284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : USACE018-44 DOD

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2820

ATTENTION : Al Smith

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2820

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number	Client Sample Number
Q2820-01	82H-S
Q2820-02	82H-W
Q2820-03	82H-N
Q2820-04	SOIL-DUP-1
Q2820-05	518R-E
Q2820-06	518R-N
Q2820-07	518R-S
Q2820-08	518R-W
Q2820-09	705R-S
Q2820-10	SOIL-DUP-2
Q2820-11	10PC-W
Q2820-12	10PC-S
Q2820-13	10P-W
Q2820-14	10P-E
Q2820-15	10P-S
Q2820-16	10P-N
Q2820-17	88H-E
Q2820-18	88H-N
Q2820-19	88H-W
Q2820-20	88H-S
Q2820-21	22M-N
Q2820-22	22M-W
Q2820-23	22M-E
Q2820-24	22M-S

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:45 pm, Aug 22, 2025

Date: 8/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

First Environment, Inc.
Project Name: USACE018-44 DOD
Project # N/A
Order ID # Q2820
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
24 Solid samples were received on 08/08/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis except for
82H-W [Terphenyl-d14 - 46%],
82H-N [Terphenyl-d14 - 46%],
SOIL-DUP-1 [Terphenyl-d14 - 52%],
518R-E [Terphenyl-d14 - 46%],
705R-S [Terphenyl-d14 - 47%],
10PC-W [Terphenyl-d14 - 50%],
10P-E [Terphenyl-d14 - 51%],
10P-N [Terphenyl-d14 - 45%],
88H-EMS [Terphenyl-d14 - 46%],
88H-EMSD [Terphenyl-d14 - 49%],
88H-N [Terphenyl-d14 - 48%],
22M-E [Terphenyl-d14 - 38%] and
22M-S [Terphenyl-d14 - 38%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken, while for
518R-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 38%],
518R-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 36%],
82H-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 42%],
82H-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 42%],
88H-W [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 41%],

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88H-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 42%],
88H-S [2,4,6-Tribromophenol - 37%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 34%, Terphenyl-d14 - 30%],
88H-SRE [2,4,6-Tribromophenol - 38%, 2-Fluorobiphenyl - 30%, Nitrobenzene-d5 - 34%, Terphenyl-d14 - 30%],
22M-N [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 39%],
22M-NRE [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 41%],
22M-W [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 38%], and
22M-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 40%], samples were reanalyzed to confirm the failure and reported.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS {Q2830-05MS} with File ID: BF143367.D recoveries met the requirements for all compounds except for bis(2-Ethylhexyl)phthalate[140%], Butylbenzylphthalate[150%] and Di-n-butylphthalate[133%] due to matrix interference.

The MSD {Q2830-05MSD} with File ID: BF143368.D recoveries met the requirements for all compounds except for 2,3,4,6-Tetrachlorophenol[133%], 2,6-Dinitrotoluene[125%], 4,6-Dinitro-2-methylphenol[133%], 4-Nitroaniline[125%], bis(2-Ethylhexyl)phthalate[157%], Butylbenzylphthalate[192%], Caprolactam[125%] and Di-n-butylphthalate[142%] due to matrix interference.

The RPD for {Q2830-05MSD} with File ID: BF143368.D met criteria except for 4-Nitroaniline[22%], 4-Nitrophenol[23%], Butylbenzylphthalate[25%], Caprolactam[22%] and Pyrene[31%] due to difference in results of MS and MSD.

The Blank Spike for {PB169242BS} with File ID: BP025489.D met requirements for all compounds except for 1,4-Dioxane[65%] failing biased low therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate these Compounds are passing on Linear Regression while 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

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The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP0805.M) for 2-Nitrophenol , 2-Nitroaniline, 2,4-Dinitrotoluene these Compounds are passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these compounds are passing on Quadratic regression.

The Continuous Calibration File ID BF143365.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025377.D met the requirements except for 2,2-oxybis(1-Chloropropane) is failing marginally low while 2,4-Dinitrophenol,2,6-Dinitrotoluene,2-Nitrophenol,4,6-Dinitro-2-methylphenol,Pentachlorophenol and 2,4,6-Tribromophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025528.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 10P-S was diluted due to dirty matrix.

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E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ ***APPROVED*** *By Nimisha Pandya, QA/QC Supervisor at 2:46 pm, Aug 22, 2025*

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2820 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

(CONTINUED)

NA NO YES

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF081225.M) for 2-Nitrophenol, Hexachlorocyclopentadiene, 2-Nitroaniline, 2,6-Dinitrotoluene, 4-Nitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylephenol, Pentachlorophenol, Butylbenzylphthalate, Bis(2-ethylhexylephthalate), Di-n-octyl phthalate these Compounds are passing on Linear Regression while 2,4-Dinitrophenol is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF082025.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol these Compounds are passing on Linear regression.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BP0805.M) for 2-Nitrophenol , 2-Nitroaniline, 2,4-Dinitrotoluene these Compounds are passing on Linear regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these compounds are passing on Quadratic regression.

The Continuous Calibration File ID BF143365.D met the requirements except for Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octyl phthalate and Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BF143539.D met the requirements except for Pentachlorophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025377.D met the requirements except for 2,2-oxybis(1-Chloropropane) is failing marginally low while 2,4-Dinitrophenol,2,6-Dinitrotoluene,2-Nitrophenol,4,6-Dinitro-2-methylphenol,Pentachlorophenol and 2,4,6-Tribromophenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025422.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025470.D met the requirements except for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025485.D met the requirements except for 2,4-Dinitrophenol is failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025487.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID BP025528.D met the requirements except for Benzaldehyde is failing high but no positive hit in associate sample therefore no corrective action taken.

6. Blank Contamination - If yes, list compounds and concentrations in each blank: ✓

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

(CONTINUED)

		NA	NO	YES
7.	Surrogate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries were met for all analysis except for
82H-W [Terphenyl-d14 - 46%],
82H-N [Terphenyl-d14 - 46%],
SOIL-DUP-1 [Terphenyl-d14 - 52%],
518R-E [Terphenyl-d14 - 46%],
705R-S [Terphenyl-d14 - 47%],
10PC-W [Terphenyl-d14 - 50%],
10P-E [Terphenyl-d14 - 51%],
10P-N [Terphenyl-d14 - 45%],
88H-EMS [Terphenyl-d14 - 46%],
88H-EMSD [Terphenyl-d14 - 49%],
88H-N [Terphenyl-d14 - 48%],
22M-E [Terphenyl-d14 - 38%] and
22M-S [Terphenyl-d14 - 38%], as per method one acid and one base surrogate allow to fail therefore no corrective action taken, while for
518R-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 38%],
518R-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 36%],
82H-S [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 42%],
82H-SRE [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 42%],
88H-W [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 41%],
88H-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 42%],
88H-S [2,4,6-Tribromophenol - 37%, 2-Fluorobiphenyl - 31%, Nitrobenzene-d5 - 34%, Terphenyl-d14 - 30%],
88H-SRE [2,4,6-Tribromophenol - 38%, 2-Fluorobiphenyl - 30%, Nitrobenzene-d5 - 34%, Terphenyl-d14 - 30%],
22M-N [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 39%],
22M-NRE [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 41%],
22M-W [2-Fluorobiphenyl - 42%, Terphenyl-d14 - 38%], and
22M-WRE [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 40%], samples were reanalyzed to confirm the failure and reported.

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q2830-05MS} with File ID: BF143367.D recoveries met the requirements for all compounds except for bis(2-Ethylhexyl)phthalate[140%], Butylbenzylphthalate[150%] and Di-n-butylphthalate[133%] due to matrix interference. The MSD {Q2830-05MSD} with File ID: BF143368.D recoveries met the requirements for all compounds except for 2,3,4,6-Tetrachlorophenol[133%], 2,6-Dinitrotoluene[125%], 4,6-Dinitro-2-methylphenol[133%], 4-Nitroaniline[125%], bis(2-Ethylhexyl)phthalate[157%], Butylbenzylphthalate[192%], Caprolactam[125%] and Di-n-butylphthalate[142%] due to matrix interference. The Blank Spike for {PB169242BS} with File ID: BP025489.D met requirements for all compounds except for 1,4-Dioxane[65%] failing biased low therefore no corrective action taken. The RPD for {Q2830-05MSD} with File ID: BF143368.D met criteria except for 4-Nitroaniline[22%], 4-Nitrophenol[23%], Butylbenzylphthalate[25%], Caprolactam[22%] and Pyrene[31%] due to difference in results of MS and MSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 10P-S was diluted due to dirty matrix.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED
Sohil Jodhani, QA/QC Director , 8/22/2025, 1:10:47 PM

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2820

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 08/22/2025

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LAB CHRONICLE

OrderID:	Q2820	**OrderDate:**	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	**Project:**	USACE018-44 DOD
Contact:	Al Smith	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	**82H-S**	**SOIL**			**08/06/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-01RE	**82H-SRE**	**SOIL**			**08/06/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/15/25	
Q2820-02	**82H-W**	**SOIL**			**08/06/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-03	**82H-N**	**SOIL**			**08/06/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-04	**SOIL-DUP-1**	**SOIL**			**08/06/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-05	**518R-E**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-06	**518R-N**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-07	**518R-S**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-07RE	**518R-SRE**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/15/25	
Q2820-08	**518R-W**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-09	**705R-S**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/12/25	08/13/25	
Q2820-10	**SOIL-DUP-2**	**SOIL**			**08/07/25**			**08/08/25**

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			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-11	**10PC-W**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-12	**10PC-S**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-13	**10P-W**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/20/25	
Q2820-14	**10P-E**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-15	**10P-S**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-16	**10P-N**	**SOIL**			**08/07/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-17	**88H-E**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-18	**88H-N**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19	**88H-W**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19RE	**88H-WRE**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-20	**88H-S**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-20RE	**88H-SRE**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-21	**22M-N**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-21RE	**22M-NRE**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	

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Q2820-22	**22M-W**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-22RE	**22M-WRE**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-23	**22M-E**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25	
Q2820-24	**22M-S**	**SOIL**			**08/08/25**			**08/08/25**
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**82H-S**									
Q2820-01	82H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0		0	ug/Kg
Q2820-01	82H-S	SOIL	9-Tricosene, (Z)-	*	220.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Benzophenone	*	180.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Butane, 2-methoxy-2-methyl-	*	800.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	n-Hexadecanoic acid	*	350.000	J	0		0	ug/Kg
			Total Tics :		**1,730.00**					
			Total Concentration:		**1,730.00**					
Client ID :	**82H-W**									
Q2820-02	82H-W	SOIL	1-Hexacosene	*	220.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0		0	ug/Kg
Q2820-02	82H-W	SOIL	3,5-Dimethoxy-4-hydroxycinnam	*	82.900	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Benzophenone	*	190.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Butane, 2-methoxy-2-methyl-	*	890.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	n-Hexadecanoic acid	*	920.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Octadecanoic acid	*	230.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	trans-Sinapyl alcohol	*	170.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.354	*	120.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.619	*	110.000	J	0		0	ug/Kg
			Total Tics :		**3,132.90**					
			Total Concentration:		**3,132.90**					
Client ID :	**82H-N**									
Q2820-03	82H-N	SOIL	Fluoranthene		110.000	J	34.3	150	190	ug/Kg
Q2820-03	82H-N	SOIL	Pyrene		87.500	J	41.1	150	190	ug/Kg
			Total Svoc :		**197.50**					
Q2820-03	82H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Benzophenone	*	150.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Butane, 2-methoxy-2-methyl-	*	970.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Heptacosyl acetate	*	200.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Iron pentacarbonyl	*	170.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	n-Hexadecanoic acid	*	350.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Octadecanoic acid	*	77.000	J	0		0	ug/Kg
			Total Tics :		**2,107.00**					
			Total Concentration:		**2,304.50**					
Client ID :	**SOIL-DUP-1**									
Q2820-04	SOIL-DUP-1	SOIL	1-Heneicosanol	*	190.000	J	0		0	ug/Kg
Q2820-04	SOIL-DUP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Q2820-04	SOIL-DUP-1	SOIL	Benzophenone	*	93.100	J	0		0	ug/Kg
Q2820-04	SOIL-DUP-1	SOIL	Butane, 2-methoxy-2-methyl-	*	780.000	J	0		0	ug/Kg
Q2820-04	SOIL-DUP-1	SOIL	n-Hexadecanoic acid	*	270.000	J	0		0	ug/Kg
			Total Tics :		**1,533.10**					
			Total Concentration:		**1,533.10**					
Client ID :	**518R-E**									
Q2820-05	518R-E	SOIL	1-Heneicosanol	*	490.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	1-Hexacosene	*	230.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0		0	ug/Kg
Q2820-05	518R-E	SOIL	Benzophenone	*	290.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	Butane, 2-methoxy-2-methyl-	*	2,300.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	n-Hexadecanoic acid	*	650.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	Octadecanoic acid	*	150.000	J	0		0	ug/Kg
Q2820-05	518R-E	SOIL	Benzoic acid	*	470.000	J	390		670	ug/Kg
			Total Tics :		**5,120.00**					
			Total Concentration:		**5,120.00**					
Client ID :	**518R-N**									
Q2820-06	518R-N	SOIL	Bis(2-ethylhexyl)phthalate		92.500	J	76.3	170	220	ug/Kg
			Total Svoc :		**92.50**					
Q2820-06	518R-N	SOIL	Benzoic acid	*	290.000	J	240		430	ug/Kg
			Total Tics :		**290.00**					
			Total Concentration:		**382.50**					
Client ID :	**518R-S**									
Q2820-07	518R-S	SOIL	Fluoranthene		310.000		38.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Pyrene		300.000		45.7	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)anthracene		180.000	J	29.2	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Chrysene		170.000	J	25.3	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(b)fluoranthene		240.000		24.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(k)fluoranthene		88.000	J	28.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)pyrene		180.000	J	37.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	37	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(g,h,i)perylene		130.000	J	32.7	170	220	ug/Kg
			Total Svoc :		**1,708.00**					
Q2820-07	518R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0		0	ug/Kg
Q2820-07	518R-S	SOIL	Benzophenone	*	180.000	J	0		0	ug/Kg
Q2820-07	518R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	760.000	J	0		0	ug/Kg
Q2820-07	518R-S	SOIL	n-Hexadecanoic acid	*	660.000	J	0		0	ug/Kg
Q2820-07	518R-S	SOIL	Octadecanoic acid	*	150.000	J	0		0	ug/Kg
Q2820-07	518R-S	SOIL	Pentafluoropropionic acid, pentad	*	220.000	J	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Tics :		**2,180.00**					
			Total Concentration:		**3,888.00**					
Client ID :	**518R-SRE**									
Q2820-07RE	518R-SRE	SOIL	Fluoranthene		280.000		38.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Pyrene		280.000		45.7	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)anthracene		180.000	J	29.2	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Chrysene		160.000	J	25.3	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(b)fluoranthene		240.000		24.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)pyrene		180.000	J	37.5	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Indeno(1,2,3-cd)pyrene		100.000	J	37	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(g,h,i)perylene		130.000	J	32.7	170	220	ug/Kg
			Total Svoc :		**1,550.00**					
			Total Concentration:		**1,550.00**					
Client ID :	**518R-W**									
Q2820-08	518R-W	SOIL	1-Nonadecene	*	150.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0		0	ug/Kg
Q2820-08	518R-W	SOIL	Benzophenone	*	150.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	Heptacosyl acetate	*	400.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	n-Hexadecanoic acid	*	350.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	n-Nonadecanol-1	*	170.000	J	0		0	ug/Kg
Q2820-08	518R-W	SOIL	Benzoic acid	*	270.000	J	210		370	ug/Kg
			Total Tics :		**2,900.00**					
			Total Concentration:		**2,900.00**					
Client ID :	**705R-S**									
Q2820-09	705R-S	SOIL	1-Hexacosene	*	360.000	J	0		0	ug/Kg
Q2820-09	705R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0		0	ug/Kg
Q2820-09	705R-S	SOIL	Benzophenone	*	220.000	J	0		0	ug/Kg
Q2820-09	705R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0		0	ug/Kg
Q2820-09	705R-S	SOIL	n-Hexadecanoic acid	*	330.000	J	0		0	ug/Kg
			Total Tics :		**2,620.00**					
			Total Concentration:		**2,620.00**					
Client ID :	**SOIL-DUP-2**									
Q2820-10	SOIL-DUP-2	SOIL	1,19-Eicosadiene	*	570.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1,21-Docosadiene	*	570.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Hexacosene	*	240.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Tetracosene	*	680.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Benzophenone	*	490.000	J	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Q2820-10	SOIL-DUP-2	SOIL	Butane, 2-methoxy-2-methyl-	*	3,200.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Hexacosanal	*	210.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	n-Hexadecanoic acid	*	1,000.000	J	0		0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Octadecanoic acid	*	590.000	J	0		0	ug/Kg
			Total Tics :		**8,090.00**					
			Total Concentration:		**8,090.00**					
Client ID :	**10PC-W**									
Q2820-11	10PC-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0		0	ug/Kg
Q2820-11	10PC-W	SOIL	Benzophenone	*	270.000	J	0		0	ug/Kg
Q2820-11	10PC-W	SOIL	Butane, 2-methoxy-2-methyl-	*	940.000	J	0		0	ug/Kg
Q2820-11	10PC-W	SOIL	n-Hexadecanoic acid	*	200.000	J	0		0	ug/Kg
Q2820-11	10PC-W	SOIL	Pentafluoropropionic acid, octade	*	190.000	J	0		0	ug/Kg
			Total Tics :		**1,780.00**					
			Total Concentration:		**1,780.00**					
Client ID :	**10PC-S**									
Q2820-12	10PC-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0		0	ug/Kg
Q2820-12	10PC-S	SOIL	Benzophenone	*	240.000	J	0		0	ug/Kg
Q2820-12	10PC-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0		0	ug/Kg
Q2820-12	10PC-S	SOIL	Heneicosane	*	79.600	J	0		0	ug/Kg
			Total Tics :		**1,839.60**					
			Total Concentration:		**1,839.60**					
Client ID :	**10P-W**									
Q2820-13	10P-W	SOIL	1-Octadecene	*	310.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0		0	ug/Kg
Q2820-13	10P-W	SOIL	9-Methylheneicosane	*	82.500	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Benzophenone	*	320.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Cyclotetracosane	*	200.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Heptadecane	*	82.200	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, 2-methylpropy	*	160.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, butyl ester	*	260.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	n-Hexadecanoic acid	*	270.000	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid	*	86.900	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, 2-methylpropy	*	88.400	J	0		0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, butyl ester	*	210.000	J	0		0	ug/Kg
			Total Tics :		**3,400.00**					
			Total Concentration:		**3,400.00**					
Client ID :	**10P-E**									
Q2820-14	10P-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Q2820-14	10P-E	SOIL	Benzophenone	*	290.000	J	0		0	ug/Kg
Q2820-14	10P-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	J	0		0	ug/Kg
Q2820-14	10P-E	SOIL	Heptafluorobutyric acid, hexadecy	*	190.000	J	0		0	ug/Kg
Q2820-14	10P-E	SOIL	n-Hexadecanoic acid	*	210.000	J	0		0	ug/Kg
			Total Tics :		**2,100.00**					
			Total Concentration:		**2,100.00**					
Client ID :	**10P-S**									
Q2820-15	10P-S	SOIL	Butane, 2-methoxy-2-methyl-	*	440.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Vaccenic acid	*	4,200.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 2-methyl-	*	650.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3,7-dimethyl-	*	470.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3-methyl-	*	790.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 4-methyl-	*	490.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 5-methyl-	*	600.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Dehydroabietic acid	*	570.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Dodecane, 2,6,11-trimethyl-	*	450.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 2,5-dimethyl-	*	600.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 3,7-dimethyl-	*	440.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Octadecanoic acid	*	1,300.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Sulfurous acid, cyclohexylmethyl	*	420.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane	*	1,800.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2,6-dimethyl-	*	530.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2-methyl-	*	540.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 4-methyl-	*	390.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 5-methyl-	*	490.000	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	unknown9.137	*	550.000	J	0		0	ug/Kg
			Total Tics :		**16,820.00**					
			Total Concentration:		**16,820.00**					
Client ID :	**10P-N**									
Q2820-16	10P-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0		0	ug/Kg
Q2820-16	10P-N	SOIL	Benzophenone	*	230.000	J	0		0	ug/Kg
Q2820-16	10P-N	SOIL	Butane, 2-methoxy-2-methyl-	*	980.000	J	0		0	ug/Kg
Q2820-16	10P-N	SOIL	Cyclohexadecane	*	90.000	J	0		0	ug/Kg
Q2820-16	10P-N	SOIL	n-Hexadecanoic acid	*	190.000	J	0		0	ug/Kg
			Total Tics :		**1,670.00**					
			Total Concentration:		**1,670.00**					
Client ID :	**88H-E**									
Q2820-17	88H-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Q2820-17	88H-E	SOIL	5-Eicosene, (E)-	*	170.000	J	0		0	ug/Kg
Q2820-17	88H-E	SOIL	Benzophenone	*	260.000	J	0		0	ug/Kg
Q2820-17	88H-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0		0	ug/Kg
Q2820-17	88H-E	SOIL	n-Hexadecanoic acid	*	180.000	J	0		0	ug/Kg
			Total Tics :		**2,270.00**					
			Total Concentration:		**2,270.00**					
Client ID :	**88H-N**									
Q2820-18	88H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0		0	ug/Kg
Q2820-18	88H-N	SOIL	Benzophenone	*	270.000	J	0		0	ug/Kg
Q2820-18	88H-N	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0		0	ug/Kg
Q2820-18	88H-N	SOIL	n-Hexadecanoic acid	*	150.000	J	0		0	ug/Kg
Q2820-18	88H-N	SOIL	Pentadecafluorooctanoic acid, hex	*	150.000	J	0		0	ug/Kg
			Total Tics :		**2,070.00**					
			Total Concentration:		**2,070.00**					
Client ID :	**88H-W**									
Q2820-19	88H-W	SOIL	1-Tetracosene	*	140.000	J	0		0	ug/Kg
Q2820-19	88H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0		0	ug/Kg
Q2820-19	88H-W	SOIL	Benzophenone	*	210.000	J	0		0	ug/Kg
Q2820-19	88H-W	SOIL	Butane, 2-methoxy-2-methyl-	*	990.000	J	0		0	ug/Kg
Q2820-19	88H-W	SOIL	n-Hexadecanoic acid	*	96.800	J	0		0	ug/Kg
			Total Tics :		**1,616.80**					
			Total Concentration:		**1,616.80**					
Client ID :	**88H-S**									
Q2820-20	88H-S	SOIL	17-Pentatriacontene	*	120.000	J	0		0	ug/Kg
Q2820-20	88H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	AB	0		0	ug/Kg
Q2820-20	88H-S	SOIL	Benzophenone	*	190.000	J	0		0	ug/Kg
Q2820-20	88H-S	SOIL	Butane, 2-methoxy-2-methyl-	*	770.000	J	0		0	ug/Kg
Q2820-20	88H-S	SOIL	n-Hexadecanoic acid	*	96.800	J	0		0	ug/Kg
			Total Tics :		**1,306.80**					
			Total Concentration:		**1,306.80**					
Client ID :	**22M-N**									
Q2820-21	22M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	AB	0		0	ug/Kg
Q2820-21	22M-N	SOIL	Benzophenone	*	190.000	J	0		0	ug/Kg
Q2820-21	22M-N	SOIL	Butane, 2-methoxy-2-methyl-	*	910.000	J	0		0	ug/Kg
Q2820-21	22M-N	SOIL	n-Hexadecanoic acid	*	99.300	J	0		0	ug/Kg
Q2820-21	22M-N	SOIL	Pentadecafluorooctanoic acid, oct	*	120.000	J	0		0	ug/Kg
			Total Tics :		**1,469.30**					
			Total Concentration:		**1,469.30**					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID : 22M-W										
Q2820-22	22M-W	SOIL	1-Hexacosene	*	360.000	J	0		0	ug/Kg
Q2820-22	22M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0		0	ug/Kg
Q2820-22	22M-W	SOIL	Benzophenone	*	410.000	J	0		0	ug/Kg
Q2820-22	22M-W	SOIL	Butane, 2-methoxy-2-methyl-	*	2,000.000	J	0		0	ug/Kg
Q2820-22	22M-W	SOIL	n-Hexadecanoic acid	*	210.000	J	0		0	ug/Kg
			Total Tics :		**3,270.00**					
			Total Concentration:		**3,270.00**					
Client ID : 22M-E										
Q2820-23	22M-E	SOIL	1-Heneicosyl formate	*	770.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	470.000	AB	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Benzophenone	*	710.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Butane, 2-methoxy-2-methyl-	*	3,000.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Docosane	*	200.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Hexadecanoic acid, 2-methylpropy	*	440.000	JB	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Hexadecanoic acid, butyl ester	*	560.000	JB	0		0	ug/Kg
Q2820-23	22M-E	SOIL	n-Hexadecanoic acid	*	640.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Octadecane	*	300.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Octadecanoic acid, 2-methylpropy	*	230.000	J	0		0	ug/Kg
Q2820-23	22M-E	SOIL	Octadecanoic acid, butyl ester	*	460.000	JB	0		0	ug/Kg
			Total Tics :		**7,780.00**					
			Total Concentration:		**7,780.00**					
Client ID : 22M-S										
Q2820-24	22M-S	SOIL	Pyrene		110.000	J	40.4	150	190	ug/Kg
			Total Svoc :		**110.00**					
Q2820-24	22M-S	SOIL	7-Hexadecene, (Z)-	*	750.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Butane, 2-methoxy-2-methyl-	*	620.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Carbonic acid, decyl prop-1-en-2-	*	530.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Decane, 2,6,7-trimethyl-	*	1,700.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Decane, 2-methyl-	*	3,600.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Heptadecane	*	3,200.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Heptadecane, 4-methyl-	*	1,500.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Methoxyacetic acid, 2-tetradecyl e	*	2,800.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, 2,3,6-trimethyl-	*	950.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Phenanthrene, 2,5-dimethyl-	*	550.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Phenanthrene, 3,6-dimethyl-	*	750.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Sulfurous acid, pentyl undecyl est	*	5,900.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tetratetracontane	*	520.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane	*	480.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane, 2-methyl-	*	660.000	J	0		0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration		C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Tridecane, 3-methyl-	*	920.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane, 4-methyl-	*	5,500.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	*	630.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	unknown8.504	*	670.000	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	unknown9.375	*	3,900.000	J	0		0	ug/Kg
			Total Tics :		**36,130.00**					
			Total Concentration:		**36,240.00**					

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169210BL	PB169210BL	2-Fluorophenol	150	124	82		35	115
		Phenol-d6	150	109	73		34	127
		Nitrobenzene-d5	100	86.3	86		37	122
		2-Fluorobiphenyl	100	82.2	82		44	115
		2,4,6-Tribromophenol	150	156	104		39	132
		Terphenyl-d14	100	79.4	79		54	127
PB169210BS	PB169210BS	2-Fluorophenol	150	136	91		35	115
		Phenol-d6	150	138	92		34	127
		Nitrobenzene-d5	100	79.6	80		37	122
		2-Fluorobiphenyl	100	79.7	80		44	115
		2,4,6-Tribromophenol	150	138	92		39	132
		Terphenyl-d14	100	83.1	83		54	127
Q2820-01	82H-S	2-Fluorophenol	150	67.2	45		35	115
		Phenol-d6	150	62.0	41		34	127
		Nitrobenzene-d5	100	46.7	47		37	122
		2-Fluorobiphenyl	100	42.7	43	*	44	115
		2,4,6-Tribromophenol	150	89.8	60		39	132
		Terphenyl-d14	100	41.9	42	*	54	127
Q2820-01RE	82H-SRE	2-Fluorophenol	150	71.8	48		35	115
		Phenol-d6	150	74.4	50		34	127
		Nitrobenzene-d5	100	44.1	44		37	122
		2-Fluorobiphenyl	100	41.8	42	*	44	115
		2,4,6-Tribromophenol	150	68.7	46		39	132
		Terphenyl-d14	100	42.1	42	*	54	127
Q2820-02	82H-W	2-Fluorophenol	150	77.3	52		35	115
		Phenol-d6	150	72.6	48		34	127
		Nitrobenzene-d5	100	52.5	52		37	122
		2-Fluorobiphenyl	100	45.8	46		44	115
		2,4,6-Tribromophenol	150	106	70		39	132
		Terphenyl-d14	100	45.5	46	*	54	127
Q2820-03	82H-N	2-Fluorophenol	150	73.7	49		35	115
		Phenol-d6	150	66.9	45		34	127
		Nitrobenzene-d5	100	52.4	52		37	122
		2-Fluorobiphenyl	100	49.1	49		44	115
		2,4,6-Tribromophenol	150	101	67		39	132
		Terphenyl-d14	100	46.3	46	*	54	127
Q2820-04	SOIL-DUP-1	2-Fluorophenol	150	76.9	51		35	115
		Phenol-d6	150	69.4	46		34	127
		Nitrobenzene-d5	100	53.0	53		37	122
		2-Fluorobiphenyl	100	51.6	52		44	115
		2,4,6-Tribromophenol	150	112	74		39	132
		Terphenyl-d14	100	52.4	52	*	54	127
Q2820-05	518R-E	2-Fluorophenol	150	117	78		35	115
		Phenol-d6	150	110	73		34	127
		Nitrobenzene-d5	100	78.6	79		37	122
		2-Fluorobiphenyl	100	55.8	56		44	115
		2,4,6-Tribromophenol	150	154	102		39	132
		Terphenyl-d14	100	45.7	46	*	54	127
Q2820-06	518R-N	2-Fluorophenol	150	115	77		35	115
		Phenol-d6	150	111	74		34	127
		Nitrobenzene-d5	100	78.4	78		37	122

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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2820-06	518R-N	2-Fluorobiphenyl	100	56.0	56		44	115
		2,4,6-Tribromophenol	150	152	101		39	132
		Terphenyl-d14	100	55.6	56		54	127
Q2820-07	518R-S	2-Fluorophenol	150	73.2	49		35	115
		Phenol-d6	150	67.7	45		34	127
		Nitrobenzene-d5	100	48.9	49		37	122
		2-Fluorobiphenyl	100	42.9	43	*	44	115
		2,4,6-Tribromophenol	150	91.9	61		39	132
		Terphenyl-d14	100	37.9	38	*	54	127
Q2820-07RE	518R-SRE	2-Fluorophenol	150	77.1	51		35	115
		Phenol-d6	150	79.3	53		34	127
		Nitrobenzene-d5	100	45.9	46		37	122
		2-Fluorobiphenyl	100	42.5	42	*	44	115
		2,4,6-Tribromophenol	150	74.3	50		39	132
		Terphenyl-d14	100	35.6	36	*	54	127
Q2820-08	518R-W	2-Fluorophenol	150	121	81		35	115
		Phenol-d6	150	113	75		34	127
		Nitrobenzene-d5	100	85.8	86		37	122
		2-Fluorobiphenyl	100	80.0	80		44	115
		2,4,6-Tribromophenol	150	177	118		39	132
		Terphenyl-d14	100	82.0	82		54	127
Q2820-09	705R-S	2-Fluorophenol	150	77.6	52		35	115
		Phenol-d6	150	70.1	47		34	127
		Nitrobenzene-d5	100	52.7	53		37	122
		2-Fluorobiphenyl	100	47.8	48		44	115
		2,4,6-Tribromophenol	150	107	71		39	132
		Terphenyl-d14	100	46.8	47	*	54	127
Q2830-05MS	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	95.7	64		35	115
		Phenol-d6	150	95.4	64		34	127
		Nitrobenzene-d5	100	75.4	75		37	122
		2-Fluorobiphenyl	100	68.9	69		44	115
		2,4,6-Tribromophenol	150	121	81		39	132
		Terphenyl-d14	100	58.4	58		54	127
Q2830-05MSD	BIN0009-DRIVEWAY-TP-WESTSID	2-Fluorophenol	150	97.8	65		35	115
		Phenol-d6	150	101	67		34	127
		Nitrobenzene-d5	100	77.3	77		37	122
		2-Fluorobiphenyl	100	65.9	66		44	115
		2,4,6-Tribromophenol	150	142	95		39	132
		Terphenyl-d14	100	77.5	78		54	127

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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169228BL	PB169228BL	2-Fluorophenol	150	124	82		35	115
		Phenol-d6	150	118	79		34	127
		Nitrobenzene-d5	100	76.2	76		37	122
		2-Fluorobiphenyl	100	75.0	75		44	115
		2,4,6-Tribromophenol	150	124	83		39	132
		Terphenyl-d14	100	73.2	73		54	127
PB169228BS	PB169228BS	2-Fluorophenol	150	125	84		35	115
		Phenol-d6	150	126	84		34	127
		Nitrobenzene-d5	100	76.0	76		37	122
		2-Fluorobiphenyl	100	73.2	73		44	115
		2,4,6-Tribromophenol	150	128	85		39	132
		Terphenyl-d14	100	77.4	77		54	127
Q2820-10	SOIL-DUP-2	2-Fluorophenol	150	123	82		35	115
		Phenol-d6	150	127	85		34	127
		Nitrobenzene-d5	100	74.9	75		37	122
		2-Fluorobiphenyl	100	66.4	66		44	115
		2,4,6-Tribromophenol	150	134	89		39	132
		Terphenyl-d14	100	66.5	67		54	127
Q2820-11	10PC-W	2-Fluorophenol	150	80.8	54		35	115
		Phenol-d6	150	82.1	55		34	127
		Nitrobenzene-d5	100	50.5	50		37	122
		2-Fluorobiphenyl	100	51.0	51		44	115
		2,4,6-Tribromophenol	150	86.7	58		39	132
		Terphenyl-d14	100	50.3	50	*	54	127
Q2820-12	10PC-S	2-Fluorophenol	150	84.4	56		35	115
		Phenol-d6	150	87.0	58		34	127
		Nitrobenzene-d5	100	60.8	61		37	122
		2-Fluorobiphenyl	100	63.3	63		44	115
		2,4,6-Tribromophenol	150	87.4	58		39	132
		Terphenyl-d14	100	61.6	62		54	127
Q2820-13	10P-W	2-Fluorophenol	150	90.8	61		35	115
		Phenol-d6	150	92.1	61		34	127
		Nitrobenzene-d5	100	58.8	59		37	122
		2-Fluorobiphenyl	100	55.5	56		44	115
		2,4,6-Tribromophenol	150	96.7	64		39	132
		Terphenyl-d14	100	55.1	55		54	127
Q2820-14	10P-E	2-Fluorophenol	150	85.8	57		35	115
		Phenol-d6	150	87.1	58		34	127
		Nitrobenzene-d5	100	52.5	52		37	122
		2-Fluorobiphenyl	100	50.6	51		44	115
		2,4,6-Tribromophenol	150	88.4	59		39	132
		Terphenyl-d14	100	51.5	51	*	54	127
Q2820-15	10P-S	2-Fluorophenol	150	99.3	66		35	115
		Phenol-d6	150	95.8	64		34	127
		Nitrobenzene-d5	100	70.0	70		37	122
		2-Fluorobiphenyl	100	64.0	64		44	115
		2,4,6-Tribromophenol	150	88.5	59		39	132
		Terphenyl-d14	100	55.5	55		54	127
Q2820-16	10P-N	2-Fluorophenol	150	75.3	50		35	115
		Phenol-d6	150	76.1	51		34	127
		Nitrobenzene-d5	100	46.3	46		37	122

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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2820-16	10P-N	2-Fluorobiphenyl	100	46.8	47		44	115
		2,4,6-Tribromophenol	150	81.5	54		39	132
		Terphenyl-d14	100	45.2	45	*	54	127
Q2820-17	88H-E	2-Fluorophenol	150	106	71		35	115
		Phenol-d6	150	106	70		34	127
		Nitrobenzene-d5	100	66.0	66		37	122
		2-Fluorobiphenyl	100	61.5	62		44	115
		2,4,6-Tribromophenol	150	111	74		39	132
		Terphenyl-d14	100	58.5	58		54	127
Q2820-17MS	88H-EMS	2-Fluorophenol	150	84.6	56		35	115
		Phenol-d6	150	85.7	57		34	127
		Nitrobenzene-d5	100	51.9	52		37	122
		2-Fluorobiphenyl	100	49.8	50		44	115
		2,4,6-Tribromophenol	150	84.8	57		39	132
		Terphenyl-d14	100	45.7	46	*	54	127
Q2820-17MSD	88H-EMSD	2-Fluorophenol	150	88.1	59		35	115
		Phenol-d6	150	89.6	60		34	127
		Nitrobenzene-d5	100	54.5	55		37	122
		2-Fluorobiphenyl	100	50.8	51		44	115
		2,4,6-Tribromophenol	150	89.7	60		39	132
		Terphenyl-d14	100	48.8	49	*	54	127
Q2820-18	88H-N	2-Fluorophenol	150	81.1	54		35	115
		Phenol-d6	150	82.1	55		34	127
		Nitrobenzene-d5	100	51.9	52		37	122
		2-Fluorobiphenyl	100	48.5	48		44	115
		2,4,6-Tribromophenol	150	87.7	58		39	132
		Terphenyl-d14	100	47.8	48	*	54	127
Q2820-19	88H-W	2-Fluorophenol	150	74.2	49		35	115
		Phenol-d6	150	75.7	50		34	127
		Nitrobenzene-d5	100	47.5	48		37	122
		2-Fluorobiphenyl	100	41.2	41	*	44	115
		2,4,6-Tribromophenol	150	73.9	49		39	132
		Terphenyl-d14	100	41.2	41	*	54	127
Q2820-19RE	88H-WRE	2-Fluorophenol	150	76.4	51		35	115
		Phenol-d6	150	75.2	50		34	127
		Nitrobenzene-d5	100	46.9	47		37	122
		2-Fluorobiphenyl	100	41.3	41	*	44	115
		2,4,6-Tribromophenol	150	74.0	49		39	132
		Terphenyl-d14	100	41.9	42	*	54	127
Q2820-20	88H-S	2-Fluorophenol	150	55.6	37		35	115
		Phenol-d6	150	55.5	37		34	127
		Nitrobenzene-d5	100	34.0	34	*	37	122
		2-Fluorobiphenyl	100	30.7	31	*	44	115
		2,4,6-Tribromophenol	150	55.1	37	*	39	132
		Terphenyl-d14	100	29.9	30	*	54	127
Q2820-20RE	88H-SRE	2-Fluorophenol	150	56.2	37		35	115
		Phenol-d6	150	56.1	37		34	127
		Nitrobenzene-d5	100	34.4	34	*	37	122
		2-Fluorobiphenyl	100	29.8	30	*	44	115
		2,4,6-Tribromophenol	150	57.6	38	*	39	132
		Terphenyl-d14	100	30.4	30	*	54	127

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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2820-21	22M-N	2-Fluorophenol	150	70.5	47		35	115
		Phenol-d6	150	70.7	47		34	127
		Nitrobenzene-d5	100	43.4	43		37	122
		2-Fluorobiphenyl	100	40.0	40	*	44	115
		2,4,6-Tribromophenol	150	71.3	48		39	132
		Terphenyl-d14	100	38.7	39	*	54	127
Q2820-21RE	22M-NRE	2-Fluorophenol	150	69.0	46		35	115
		Phenol-d6	150	70.8	47		34	127
		Nitrobenzene-d5	100	43.4	43		37	122
		2-Fluorobiphenyl	100	40.4	40	*	44	115
		2,4,6-Tribromophenol	150	71.3	48		39	132
		Terphenyl-d14	100	41.2	41	*	54	127
Q2820-22	22M-W	2-Fluorophenol	150	75.3	50		35	115
		Phenol-d6	150	74.0	49		34	127
		Nitrobenzene-d5	100	48.4	48		37	122
		2-Fluorobiphenyl	100	41.7	42	*	44	115
		2,4,6-Tribromophenol	150	76.8	51		39	132
		Terphenyl-d14	100	37.9	38	*	54	127
Q2820-22RE	22M-WRE	2-Fluorophenol	150	76.0	51		35	115
		Phenol-d6	150	78.0	52		34	127
		Nitrobenzene-d5	100	47.9	48		37	122
		2-Fluorobiphenyl	100	41.2	41	*	44	115
		2,4,6-Tribromophenol	150	73.5	49		39	132
		Terphenyl-d14	100	39.8	40	*	54	127

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Surrogate Summary

SW-846

SDG No.: Q2820

Client: First Environment, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169242BL	PB169242BL	2-Fluorophenol	150	139	92		35	115
		Phenol-d6	150	132	88		34	127
		Nitrobenzene-d5	100	88.9	89		37	122
		2-Fluorobiphenyl	100	82.6	83		44	115
		2,4,6-Tribromophenol	150	145	97		39	132
		Terphenyl-d14	100	83.3	83		54	127
PB169242BS	PB169242BS	2-Fluorophenol	150	134	90		35	115
		Phenol-d6	150	134	90		34	127
		Nitrobenzene-d5	100	83.8	84		37	122
		2-Fluorobiphenyl	100	76.8	77		44	115
		2,4,6-Tribromophenol	150	145	97		39	132
		Terphenyl-d14	100	86.4	86		54	127
Q2819-03MS	22BP-WMS	2-Fluorophenol	150	102	68		35	115
		Phenol-d6	150	105	70		34	127
		Nitrobenzene-d5	100	65.0	65		37	122
		2-Fluorobiphenyl	100	58.5	58		44	115
		2,4,6-Tribromophenol	150	106	70		39	132
		Terphenyl-d14	100	70.4	70		54	127
Q2819-03MSD	22BP-WMSD	2-Fluorophenol	150	103	69		35	115
		Phenol-d6	150	101	68		34	127
		Nitrobenzene-d5	100	65.6	66		37	122
		2-Fluorobiphenyl	100	60.6	61		44	115
		2,4,6-Tribromophenol	150	104	69		39	132
		Terphenyl-d14	100	60.7	61		54	127
Q2820-23	22M-E	2-Fluorophenol	150	80.7	54		35	115
		Phenol-d6	150	77.1	51		34	127
		Nitrobenzene-d5	100	54.0	54		37	122
		2-Fluorobiphenyl	100	45.6	46		44	115
		2,4,6-Tribromophenol	150	77.9	52		39	132
		Terphenyl-d14	100	37.8	38	*	54	127
Q2820-24	22M-S	2-Fluorophenol	150	62.6	42		35	115
		Phenol-d6	150	67.2	45		34	127
		Nitrobenzene-d5	100	56.6	57		37	122
		2-Fluorobiphenyl	100	52.5	52		44	115
		2,4,6-Tribromophenol	150	58.6	39		39	132
		Terphenyl-d14	100	37.8	38	*	54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BF143367.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2830-05MS		**Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE**									
Benzaldehyde	1200	0	820	ug/Kg	68				10	161	
Phenol	1200	0	1000	ug/Kg	83				34	121	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				31	120	
2-Chlorophenol	1200	0	1100	ug/Kg	92				34	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				32	122	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				33	131	
Acetophenone	1200	0	1100	ug/Kg	92				33	115	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				34	119	
N-Nitroso-di-n-propylamine	1200	0	1100	ug/Kg	92				36	120	
Hexachloroethane	1200	0	1200	ug/Kg	100				28	117	
Nitrobenzene	1200	0	1100	ug/Kg	92				34	122	
Isophorone	1200	0	1100	ug/Kg	92				30	122	
2-Nitrophenol	1200	0	1400	ug/Kg	117				36	123	
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100				30	127	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				36	121	
2,4-Dichlorophenol	1200	0	1200	ug/Kg	100				40	122	
Naphthalene	1200	0	1100	ug/Kg	92				35	123	
4-Chloroaniline	1200	0	600	ug/Kg	50				17	106	
Hexachlorobutadiene	1200	0	1200	ug/Kg	100				32	123	
Caprolactam	1200	0	1200	ug/Kg	100				46	117	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				45	122	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				38	122	
Hexachlorocyclopentadiene	2500	0	2800	ug/Kg	112				43	112	
2,4,6-Trichlorophenol	1200	0	1300	ug/Kg	108				39	126	
2,4,5-Trichlorophenol	1200	0	1200	ug/Kg	100				41	124	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				40	117	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				41	114	
2-Nitroaniline	1200	0	1200	ug/Kg	100				44	127	
Dimethylphthalate	1200	0	1200	ug/Kg	100				48	124	
Acenaphthylene	1200	0	1200	ug/Kg	100				32	132	
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108				46	124	
3-Nitroaniline	1200	0	820	ug/Kg	68				33	119	
Acenaphthene	1200	0	1200	ug/Kg	100				40	123	
2,4-Dinitrophenol	2500	0	2300	ug/Kg	92				15	130	
4-Nitrophenol	2500	0	1900	ug/Kg	76				30	132	
Dibenzofuran	1200	0	1100	ug/Kg	92				44	120	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	126	
Diethylphthalate	1200	0	1200	ug/Kg	100				50	124	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				45	121	
Fluorene	1200	0	1100	ug/Kg	92				43	125	
4-Nitroaniline	1200	0	1200	ug/Kg	100				35	115	
4,6-Dinitro-2-methylphenol	1200	0	1500	ug/Kg	125				29	132	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				38	127	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				46	124	
Hexachlorobenzene	1200	0	1200	ug/Kg	100				45	122	
Atrazine	1200	0	1400	ug/Kg	117				47	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BF143367.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92				25	133	
Phenanthrene	1200	0	1100	ug/Kg	92				50	121	
Anthracene	1200	0	1100	ug/Kg	92				47	123	
Carbazole	1200	0	1100	ug/Kg	92				50	123	
Di-n-butylphthalate	1200	0	1600	ug/Kg	133	*			51	128	
Fluoranthene	1200	0	1200	ug/Kg	100				50	127	
Pyrene	1200	0	870	ug/Kg	73				47	127	
Butylbenzylphthalate	1200	0	1800	ug/Kg	150	*			48	132	
3,3-Dichlorobenzidine	1200	0	960	ug/Kg	80				22	121	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				49	126	
Chrysene	1200	0	1100	ug/Kg	92				50	124	
bis(2-Ethylhexyl)phthalate	1200	120	1800	ug/Kg	140	*			51	133	
Di-n-octyl phthalate	1200	0	1600	ug/Kg	133				45	140	
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				47	132	
Benzo(a)pyrene	1200	0	1200	ug/Kg	100				45	129	
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92				45	133	
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92				45	134	
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92				43	134	
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92				37	119	
1,4-Dioxane	1200	0	980	ug/Kg	82				70	130	
2,3,4,6-Tetrachlorophenol	1200	0	1400	ug/Kg	117				44	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BF143368.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2830-05MSD		**Client Sample ID: BIN0009-DRIVEWAY-TP-WESTSIDE**									
Benzaldehyde	1200	0	870	ug/Kg	73		7		10	161	20
Phenol	1200	0	1100	ug/Kg	92		10		34	121	20
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92		0		31	120	20
2-Chlorophenol	1200	0	1200	ug/Kg	100		8		34	121	20
2-Methylphenol	1200	0	1200	ug/Kg	100		8		32	122	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		0		33	131	20
Acetophenone	1200	0	1100	ug/Kg	92		0		33	115	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		10		34	119	20
N-Nitroso-di-n-propylamine	1200	0	1100	ug/Kg	92		0		36	120	20
Hexachloroethane	1200	0	1200	ug/Kg	100		0		28	117	20
Nitrobenzene	1200	0	1200	ug/Kg	100		8		34	122	20
Isophorone	1200	0	1200	ug/Kg	100		8		30	122	20
2-Nitrophenol	1200	0	1400	ug/Kg	117		0		36	123	20
2,4-Dimethylphenol	1200	0	1300	ug/Kg	108		8		30	127	20
bis(2-Chloroethoxy)methane	1200	0	1200	ug/Kg	100		8		36	121	20
2,4-Dichlorophenol	1200	0	1200	ug/Kg	100		0		40	122	20
Naphthalene	1200	0	1100	ug/Kg	92		0		35	123	20
4-Chloroaniline	1200	0	550	ug/Kg	46		8		17	106	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		8		32	123	20
Caprolactam	1200	0	1500	ug/Kg	125	*	22	*	46	117	20
4-Chloro-3-methylphenol	1200	0	1300	ug/Kg	108		16		45	122	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		38	122	20
Hexachlorocyclopentadiene	2500	0	2700	ug/Kg	108		4		43	112	20
2,4,6-Trichlorophenol	1200	0	1300	ug/Kg	108		0		39	126	20
2,4,5-Trichlorophenol	1200	0	1200	ug/Kg	100		0		41	124	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		40	117	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		41	114	20
2-Nitroaniline	1200	0	1300	ug/Kg	108		8		44	127	20
Dimethylphthalate	1200	0	1300	ug/Kg	108		8		48	124	20
Acenaphthylene	1200	0	1200	ug/Kg	100		0		32	132	20
2,6-Dinitrotoluene	1200	0	1500	ug/Kg	125	*	15		46	124	20
3-Nitroaniline	1200	0	990	ug/Kg	83		20		33	119	20
Acenaphthene	1200	0	1200	ug/Kg	100		0		40	123	20
2,4-Dinitrophenol	2500	0	2700	ug/Kg	108		16		15	130	20
4-Nitrophenol	2500	0	2400	ug/Kg	96		23	*	30	132	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		44	120	20
2,4-Dinitrotoluene	1200	0	1500	ug/Kg	125		15		48	126	20
Diethylphthalate	1200	0	1400	ug/Kg	117		16		50	124	20
4-Chlorophenyl-phenylether	1200	0	1200	ug/Kg	100		8		45	121	20
Fluorene	1200	0	1100	ug/Kg	92		0		43	125	20
4-Nitroaniline	1200	0	1500	ug/Kg	125	*	22	*	35	115	20
4,6-Dinitro-2-methylphenol	1200	0	1600	ug/Kg	133	*	6		29	132	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		8		38	127	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		46	124	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		8		45	122	20
Atrazine	1200	0	1400	ug/Kg	117		0		47	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BF143368.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	2500	ug/Kg	100		8		25	133	20
Phenanthrene	1200	0	1100	ug/Kg	92		0		50	121	20
Anthracene	1200	0	1100	ug/Kg	92		0		47	123	20
Carbazole	1200	0	1100	ug/Kg	92		0		50	123	20
Di-n-butylphthalate	1200	0	1700	ug/Kg	142	*	7		51	128	20
Fluoranthene	1200	0	1300	ug/Kg	108		8		50	127	20
Pyrene	1200	0	1200	ug/Kg	100		31	*	47	127	20
Butylbenzylphthalate	1200	0	2300	ug/Kg	192	*	25	*	48	132	20
3,3-Dichlorobenzidine	1200	0	860	ug/Kg	72		11		22	121	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92		0		49	126	20
Chrysene	1200	0	1200	ug/Kg	100		8		50	124	20
bis(2-Ethylhexyl)phthalate	1200	120	2000	ug/Kg	157	*	11		51	133	20
Di-n-octyl phthalate	1200	0	1400	ug/Kg	117		13		45	140	20
Benzo(b)fluoranthene	1200	0	1200	ug/Kg	100		0		45	132	20
Benzo(k)fluoranthene	1200	0	1300	ug/Kg	108		16		47	132	20
Benzo(a)pyrene	1200	0	1200	ug/Kg	100		0		45	129	20
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92		0		45	133	20
Dibenz(a,h)anthracene	1200	0	1200	ug/Kg	100		8		45	134	20
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92		0		43	134	20
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92		0		37	119	20
1,4-Dioxane	1200	0	980	ug/Kg	82		0		70	130	20
2,3,4,6-Tetrachlorophenol	1200	0	1600	ug/Kg	133	*	13		44	125	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025415.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2820-17MS		**Client Sample ID: 88H-EMS**									
Benzaldehyde	2000	0	1100	ug/Kg	55				10	161	
Phenol	2000	0	1800	ug/Kg	90				34	121	
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85				31	120	
2-Chlorophenol	2000	0	1800	ug/Kg	90				34	121	
2-Methylphenol	2000	0	1800	ug/Kg	90				32	122	
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85				33	131	
Acetophenone	2000	0	1700	ug/Kg	85				33	115	
3+4-Methylphenols	2000	0	1800	ug/Kg	90				34	119	
N-Nitroso-di-n-propylamine	2000	0	1600	ug/Kg	80				36	120	
Hexachloroethane	2000	0	1700	ug/Kg	85				28	117	
Nitrobenzene	2000	0	1700	ug/Kg	85				34	122	
Isophorone	2000	0	1700	ug/Kg	85				30	122	
2-Nitrophenol	2000	0	1800	ug/Kg	90				36	123	
2,4-Dimethylphenol	2000	0	1900	ug/Kg	95				30	127	
bis(2-Chloroethoxy)methane	2000	0	1700	ug/Kg	85				36	121	
2,4-Dichlorophenol	2000	0	1900	ug/Kg	95				40	122	
Naphthalene	2000	0	1700	ug/Kg	85				35	123	
4-Chloroaniline	2000	0	930	ug/Kg	47				17	106	
Hexachlorobutadiene	2000	0	1700	ug/Kg	85				32	123	
Caprolactam	2000	0	1800	ug/Kg	90				46	117	
4-Chloro-3-methylphenol	2000	0	1800	ug/Kg	90				45	122	
2-Methylnaphthalene	2000	0	1700	ug/Kg	85				38	122	
Hexachlorocyclopentadiene	4000	0	3500	ug/Kg	88				43	112	
2,4,6-Trichlorophenol	2000	0	1900	ug/Kg	95				39	126	
2,4,5-Trichlorophenol	2000	0	1900	ug/Kg	95				41	124	
1,1-Biphenyl	2000	0	1800	ug/Kg	90				40	117	
2-Chloronaphthalene	2000	0	1800	ug/Kg	90				41	114	
2-Nitroaniline	2000	0	1900	ug/Kg	95				44	127	
Dimethylphthalate	2000	0	1800	ug/Kg	90				48	124	
Acenaphthylene	2000	0	1800	ug/Kg	90				32	132	
2,6-Dinitrotoluene	2000	0	1800	ug/Kg	90				46	124	
3-Nitroaniline	2000	0	1200	ug/Kg	60				33	119	
Acenaphthene	2000	0	1800	ug/Kg	90				40	123	
2,4-Dinitrophenol	4000	0	3900	ug/Kg	98				15	130	
4-Nitrophenol	4000	0	3800	ug/Kg	95				30	132	
Dibenzofuran	2000	0	1800	ug/Kg	90				44	120	
2,4-Dinitrotoluene	2000	0	1900	ug/Kg	95				48	126	
Diethylphthalate	2000	0	1800	ug/Kg	90				50	124	
4-Chlorophenyl-phenylether	2000	0	1700	ug/Kg	85				45	121	
Fluorene	2000	0	1700	ug/Kg	85				43	125	
4-Nitroaniline	2000	0	1700	ug/Kg	85				35	115	
4,6-Dinitro-2-methylphenol	2000	0	1800	ug/Kg	90				29	132	
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90				38	127	
4-Bromophenyl-phenylether	2000	0	1800	ug/Kg	90				46	124	
Hexachlorobenzene	2000	0	1800	ug/Kg	90				45	122	
Atrazine	2000	0	1800	ug/Kg	90				47	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025415.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4000	0	3800	ug/Kg	95				25	133	
Phenanthrene	2000	0	1800	ug/Kg	90				50	121	
Anthracene	2000	0	1800	ug/Kg	90				47	123	
Carbazole	2000	0	1800	ug/Kg	90				50	123	
Di-n-butylphthalate	2000	0	1800	ug/Kg	90				51	128	
Fluoranthene	2000	0	1800	ug/Kg	90				50	127	
Pyrene	2000	0	1700	ug/Kg	85				47	127	
Butylbenzylphthalate	2000	0	1800	ug/Kg	90				48	132	
3,3-Dichlorobenzidine	2000	0	1000	ug/Kg	50				22	121	
Benzo(a)anthracene	2000	0	1800	ug/Kg	90				49	126	
Chrysene	2000	0	1800	ug/Kg	90				50	124	
bis(2-Ethylhexyl)phthalate	2000	0	1800	ug/Kg	90				51	133	
Di-n-octyl phthalate	2000	0	1800	ug/Kg	90				45	140	
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90				45	132	
Benzo(k)fluoranthene	2000	0	1800	ug/Kg	90				47	132	
Benzo(a)pyrene	2000	0	1800	ug/Kg	90				45	129	
Indeno(1,2,3-cd)pyrene	2000	0	1800	ug/Kg	90				45	133	
Dibenz(a,h)anthracene	2000	0	1800	ug/Kg	90				45	134	
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90				43	134	
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90				37	119	
1,4-Dioxane	2000	0	1400	ug/Kg	70				70	130	
2,3,4,6-Tetrachlorophenol	2000	0	1800	ug/Kg	90				44	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025416.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2820-17MSD		**Client Sample ID: 88H-EMSD**									
Benzaldehyde	2000	0	1100	ug/Kg	55	0			10	161	20
Phenol	2000	0	1900	ug/Kg	95	5			34	121	20
bis(2-Chloroethyl)ether	2000	0	1700	ug/Kg	85	0			31	120	20
2-Chlorophenol	2000	0	1900	ug/Kg	95	5			34	121	20
2-Methylphenol	2000	0	1900	ug/Kg	95	5			32	122	20
2,2-oxybis(1-Chloropropane)	2000	0	1700	ug/Kg	85	0			33	131	20
Acetophenone	2000	0	1800	ug/Kg	90	6			33	115	20
3+4-Methylphenols	2000	0	1900	ug/Kg	95	5			34	119	20
N-Nitroso-di-n-propylamine	2000	0	1700	ug/Kg	85	6			36	120	20
Hexachloroethane	2000	0	1700	ug/Kg	85	0			28	117	20
Nitrobenzene	2000	0	1800	ug/Kg	90	6			34	122	20
Isophorone	2000	0	1800	ug/Kg	90	6			30	122	20
2-Nitrophenol	2000	0	1900	ug/Kg	95	5			36	123	20
2,4-Dimethylphenol	2000	0	2000	ug/Kg	100	5			30	127	20
bis(2-Chloroethoxy)methane	2000	0	1800	ug/Kg	90	6			36	121	20
2,4-Dichlorophenol	2000	0	2000	ug/Kg	100	5			40	122	20
Naphthalene	2000	0	1800	ug/Kg	90	6			35	123	20
4-Chloroaniline	2000	0	1000	ug/Kg	50	6			17	106	20
Hexachlorobutadiene	2000	0	1800	ug/Kg	90	6			32	123	20
Caprolactam	2000	0	1900	ug/Kg	95	5			46	117	20
4-Chloro-3-methylphenol	2000	0	2000	ug/Kg	100	11			45	122	20
2-Methylnaphthalene	2000	0	1800	ug/Kg	90	6			38	122	20
Hexachlorocyclopentadiene	4000	0	3600	ug/Kg	90	2			43	112	20
2,4,6-Trichlorophenol	2000	0	2000	ug/Kg	100	5			39	126	20
2,4,5-Trichlorophenol	2000	0	2000	ug/Kg	100	5			41	124	20
1,1-Biphenyl	2000	0	1800	ug/Kg	90	0			40	117	20
2-Chloronaphthalene	2000	0	1800	ug/Kg	90	0			41	114	20
2-Nitroaniline	2000	0	2000	ug/Kg	100	5			44	127	20
Dimethylphthalate	2000	0	1800	ug/Kg	90	0			48	124	20
Acenaphthylene	2000	0	1800	ug/Kg	90	0			32	132	20
2,6-Dinitrotoluene	2000	0	1900	ug/Kg	95	5			46	124	20
3-Nitroaniline	2000	0	1300	ug/Kg	65	8			33	119	20
Acenaphthene	2000	0	1800	ug/Kg	90	0			40	123	20
2,4-Dinitrophenol	4000	0	4100	ug/Kg	103	5			15	130	20
4-Nitrophenol	4000	0	4000	ug/Kg	100	5			30	132	20
Dibenzofuran	2000	0	1800	ug/Kg	90	0			44	120	20
2,4-Dinitrotoluene	2000	0	2000	ug/Kg	100	5			48	126	20
Diethylphthalate	2000	0	1800	ug/Kg	90	0			50	124	20
4-Chlorophenyl-phenylether	2000	0	1800	ug/Kg	90	6			45	121	20
Fluorene	2000	0	1800	ug/Kg	90	6			43	125	20
4-Nitroaniline	2000	0	1800	ug/Kg	90	6			35	115	20
4,6-Dinitro-2-methylphenol	2000	0	1900	ug/Kg	95	5			29	132	20
N-Nitrosodiphenylamine	2000	0	1800	ug/Kg	90	0			38	127	20
4-Bromophenyl-phenylether	2000	0	1800	ug/Kg	90	0			46	124	20
Hexachlorobenzene	2000	0	1800	ug/Kg	90	0			45	122	20
Atrazine	2000	0	1900	ug/Kg	95	5			47	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025416.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4000	0	4000	ug/Kg	100		5		25	133	20
Phenanthrene	2000	0	1800	ug/Kg	90		0		50	121	20
Anthracene	2000	0	1800	ug/Kg	90		0		47	123	20
Carbazole	2000	0	1900	ug/Kg	95		5		50	123	20
Di-n-butylphthalate	2000	0	1900	ug/Kg	95		5		51	128	20
Fluoranthene	2000	0	1900	ug/Kg	95		5		50	127	20
Pyrene	2000	0	1800	ug/Kg	90		6		47	127	20
Butylbenzylphthalate	2000	0	1900	ug/Kg	95		5		48	132	20
3,3-Dichlorobenzidine	2000	0	1100	ug/Kg	55		10		22	121	20
Benzo(a)anthracene	2000	0	1900	ug/Kg	95		5		49	126	20
Chrysene	2000	0	1900	ug/Kg	95		5		50	124	20
bis(2-Ethylhexyl)phthalate	2000	0	1900	ug/Kg	95		5		51	133	20
Di-n-octyl phthalate	2000	0	1900	ug/Kg	95		5		45	140	20
Benzo(b)fluoranthene	2000	0	1800	ug/Kg	90		0		45	132	20
Benzo(k)fluoranthene	2000	0	1900	ug/Kg	95		5		47	132	20
Benzo(a)pyrene	2000	0	1900	ug/Kg	95		5		45	129	20
Indeno(1,2,3-cd)pyrene	2000	0	1900	ug/Kg	95		5		45	133	20
Dibenz(a,h)anthracene	2000	0	1900	ug/Kg	95		5		45	134	20
Benzo(g,h,i)perylene	2000	0	1800	ug/Kg	90		0		43	134	20
1,2,4,5-Tetrachlorobenzene	2000	0	1800	ug/Kg	90		0		37	119	20
1,4-Dioxane	2000	0	1500	ug/Kg	75		7		70	130	20
2,3,4,6-Tetrachlorophenol	2000	0	2000	ug/Kg	100		11		44	125	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025516.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2819-03MS		**Client Sample ID: 22BP-WMS**									
Benzaldehyde	1900	0	1100	ug/Kg	58				10	161	
Phenol	1900	0	1900	ug/Kg	100				34	121	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				31	120	
2-Chlorophenol	1900	0	1900	ug/Kg	100				34	121	
2-Methylphenol	1900	0	1900	ug/Kg	100				32	122	
2,2-oxybis(1-Chloropropane)	1900	0	1800	ug/Kg	95				33	131	
Acetophenone	1900	0	1800	ug/Kg	95				33	115	
3+4-Methylphenols	1900	0	1900	ug/Kg	100				34	119	
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89				36	120	
Hexachloroethane	1900	0	1800	ug/Kg	95				28	117	
Nitrobenzene	1900	0	1800	ug/Kg	95				34	122	
Isophorone	1900	0	1800	ug/Kg	95				30	122	
2-Nitrophenol	1900	0	1900	ug/Kg	100				36	123	
2,4-Dimethylphenol	1900	0	1900	ug/Kg	100				30	127	
bis(2-Chloroethoxy)methane	1900	0	1800	ug/Kg	95				36	121	
2,4-Dichlorophenol	1900	0	2000	ug/Kg	105				40	122	
Naphthalene	1900	0	1800	ug/Kg	95				35	123	
4-Chloroaniline	1900	0	960	ug/Kg	51				17	106	
Hexachlorobutadiene	1900	0	1800	ug/Kg	95				32	123	
Caprolactam	1900	0	2000	ug/Kg	105				46	117	
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105				45	122	
2-Methylnaphthalene	1900	0	1800	ug/Kg	95				38	122	
Hexachlorocyclopentadiene	3900	0	3500	ug/Kg	90				43	112	
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100				39	126	
2,4,5-Trichlorophenol	1900	0	2000	ug/Kg	105				41	124	
1,1-Biphenyl	1900	0	1800	ug/Kg	95				40	117	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				41	114	
2-Nitroaniline	1900	0	2000	ug/Kg	105				44	127	
Dimethylphthalate	1900	0	1900	ug/Kg	100				48	124	
Acenaphthylene	1900	0	1800	ug/Kg	95				32	132	
2,6-Dinitrotoluene	1900	0	2000	ug/Kg	105				46	124	
3-Nitroaniline	1900	0	1300	ug/Kg	68				33	119	
Acenaphthene	1900	0	1700	ug/Kg	89				40	123	
2,4-Dinitrophenol	3900	0	4500	ug/Kg	115				15	130	
4-Nitrophenol	3900	0	3900	ug/Kg	100				30	132	
Dibenzofuran	1900	0	1800	ug/Kg	95				44	120	
2,4-Dinitrotoluene	1900	0	2000	ug/Kg	105				48	126	
Diethylphthalate	1900	0	1900	ug/Kg	100				50	124	
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89				45	121	
Fluorene	1900	0	1800	ug/Kg	95				43	125	
4-Nitroaniline	1900	0	1800	ug/Kg	95				35	115	
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105				29	132	
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95				38	127	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				46	124	
Hexachlorobenzene	1900	0	1800	ug/Kg	95				45	122	
Atrazine	1900	0	1900	ug/Kg	100				47	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025516.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3900	ug/Kg	100				25	133	
Phenanthrene	1900	0	1800	ug/Kg	95				50	121	
Anthracene	1900	0	1800	ug/Kg	95				47	123	
Carbazole	1900	0	1800	ug/Kg	95				50	123	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				51	128	
Fluoranthene	1900	0	1700	ug/Kg	89				50	127	
Pyrene	1900	0	2100	ug/Kg	111				47	127	
Butylbenzylphthalate	1900	0	2100	ug/Kg	111				48	132	
3,3-Dichlorobenzidine	1900	0	1300	ug/Kg	68				22	121	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				49	126	
Chrysene	1900	0	1800	ug/Kg	95				50	124	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				51	133	
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95				45	140	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95				47	132	
Benzo(a)pyrene	1900	0	1800	ug/Kg	95				45	129	
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100				43	134	
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89				37	119	
1,4-Dioxane	1900	0	1500	ug/Kg	79				70	130	
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105				44	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025517.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2819-03MSD		**Client Sample ID: 22BP-WMSD**									
Benzaldehyde	1900	0	1100	ug/Kg	58	0			10	161	20
Phenol	1900	0	1900	ug/Kg	100	0			34	121	20
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95	0			31	120	20
2-Chlorophenol	1900	0	1900	ug/Kg	100	0			34	121	20
2-Methylphenol	1900	0	1800	ug/Kg	95	5			32	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1800	ug/Kg	95	0			33	131	20
Acetophenone	1900	0	1800	ug/Kg	95	0			33	115	20
3+4-Methylphenols	1900	0	1800	ug/Kg	95	5			34	119	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89	0			36	120	20
Hexachloroethane	1900	0	1900	ug/Kg	100	5			28	117	20
Nitrobenzene	1900	0	1900	ug/Kg	100	5			34	122	20
Isophorone	1900	0	1800	ug/Kg	95	0			30	122	20
2-Nitrophenol	1900	0	1900	ug/Kg	100	0			36	123	20
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95	5			30	127	20
bis(2-Chloroethoxy)methane	1900	0	1800	ug/Kg	95	0			36	121	20
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100	5			40	122	20
Naphthalene	1900	0	1800	ug/Kg	95	0			35	123	20
4-Chloroaniline	1900	0	880	ug/Kg	46	10			17	106	20
Hexachlorobutadiene	1900	0	1900	ug/Kg	100	5			32	123	20
Caprolactam	1900	0	1800	ug/Kg	95	10			46	117	20
4-Chloro-3-methylphenol	1900	0	1900	ug/Kg	100	5			45	122	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89	7			38	122	20
Hexachlorocyclopentadiene	3900	0	4000	ug/Kg	103	13			43	112	20
2,4,6-Trichlorophenol	1900	0	2000	ug/Kg	105	5			39	126	20
2,4,5-Trichlorophenol	1900	0	2000	ug/Kg	105	0			41	124	20
1,1-Biphenyl	1900	0	1900	ug/Kg	100	5			40	117	20
2-Chloronaphthalene	1900	0	1800	ug/Kg	95	0			41	114	20
2-Nitroaniline	1900	0	2000	ug/Kg	105	0			44	127	20
Dimethylphthalate	1900	0	1800	ug/Kg	95	5			48	124	20
Acenaphthylene	1900	0	1900	ug/Kg	100	5			32	132	20
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100	5			46	124	20
3-Nitroaniline	1900	0	1200	ug/Kg	63	8			33	119	20
Acenaphthene	1900	0	1800	ug/Kg	95	7			40	123	20
2,4-Dinitrophenol	3900	0	4600	ug/Kg	118	3			15	130	20
4-Nitrophenol	3900	0	4000	ug/Kg	103	3			30	132	20
Dibenzofuran	1900	0	1800	ug/Kg	95	0			44	120	20
2,4-Dinitrotoluene	1900	0	2000	ug/Kg	105	0			48	126	20
Diethylphthalate	1900	0	1900	ug/Kg	100	0			50	124	20
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95	7			45	121	20
Fluorene	1900	0	1800	ug/Kg	95	0			43	125	20
4-Nitroaniline	1900	0	1900	ug/Kg	100	5			35	115	20
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105	0			29	132	20
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95	0			38	127	20
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95	5			46	124	20
Hexachlorobenzene	1900	0	1800	ug/Kg	95	0			45	122	20
Atrazine	1900	0	1900	ug/Kg	100	0			47	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** SW8270E

Client: First Environment, Inc. **DataFile:** BP025517.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	4000	ug/Kg	103		3		25	133	20
Phenanthrene	1900	0	1800	ug/Kg	95		0		50	121	20
Anthracene	1900	0	1800	ug/Kg	95		0		47	123	20
Carbazole	1900	0	1800	ug/Kg	95		0		50	123	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		0		51	128	20
Fluoranthene	1900	0	1800	ug/Kg	95		7		50	127	20
Pyrene	1900	0	1900	ug/Kg	100		10		47	127	20
Butylbenzylphthalate	1900	0	2000	ug/Kg	105		6		48	132	20
3,3-Dichlorobenzidine	1900	0	1300	ug/Kg	68		0		22	121	20
Benzo(a)anthracene	1900	0	1900	ug/Kg	100		5		49	126	20
Chrysene	1900	0	1900	ug/Kg	100		5		50	124	20
bis(2-Ethylhexyl)phthalate	1900	0	2000	ug/Kg	105		5		51	133	20
Di-n-octyl phthalate	1900	0	2000	ug/Kg	105		10		45	140	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		0		45	132	20
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100		5		47	132	20
Benzo(a)pyrene	1900	0	1900	ug/Kg	100		5		45	129	20
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100		0		45	133	20
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		0		45	134	20
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100		0		43	134	20
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100		12		37	119	20
1,4-Dioxane	1900	0	1600	ug/Kg	84		6		70	130	20
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		5		44	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025402.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169210BS	Benzaldehyde	1700	1000	ug/Kg	59				10	161	
	Phenol	1700	1700	ug/Kg	100				34	121	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				31	120	
	2-Chlorophenol	1700	1600	ug/Kg	94				34	121	
	2-Methylphenol	1700	1700	ug/Kg	100				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				33	131	
	Acetophenone	1700	1500	ug/Kg	88				33	115	
	3+4-Methylphenols	1700	1600	ug/Kg	94				34	119	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				36	120	
	Hexachloroethane	1700	1500	ug/Kg	88				28	117	
	Nitrobenzene	1700	1500	ug/Kg	88				34	122	
	Isophorone	1700	1500	ug/Kg	88				30	122	
	2-Nitrophenol	1700	1600	ug/Kg	94				36	123	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				30	127	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				36	121	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				40	122	
	Naphthalene	1700	1500	ug/Kg	88				35	123	
	4-Chloroaniline	1700	1400	ug/Kg	82				17	106	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				32	123	
	Caprolactam	1700	1600	ug/Kg	94				46	117	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				45	122	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				43	112	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				39	126	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100				41	124	
	1,1-Biphenyl	1700	1600	ug/Kg	94				40	117	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				41	114	
	2-Nitroaniline	1700	1600	ug/Kg	94				44	127	
	Dimethylphthalate	1700	1600	ug/Kg	94				48	124	
	Acenaphthylene	1700	1600	ug/Kg	94				32	132	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				46	124	
	3-Nitroaniline	1700	1500	ug/Kg	88				33	119	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				15	130	
	4-Nitrophenol	3300	3500	ug/Kg	106				30	132	
	Dibenzofuran	1700	1500	ug/Kg	88				44	120	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				48	126	
	Diethylphthalate	1700	1600	ug/Kg	94				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1600	ug/Kg	94				35	115	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				29	132	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				38	127	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				46	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025402.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169210BS	Hexachlorobenzene	1700	1600	ug/Kg	94				45	122	
	Atrazine	1700	1600	ug/Kg	94				47	127	
	Pentachlorophenol	3300	3200	ug/Kg	97				25	133	
	Phenanthrene	1700	1600	ug/Kg	94				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Carbazole	1700	1600	ug/Kg	94				50	123	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				51	128	
	Fluoranthene	1700	1600	ug/Kg	94				50	127	
	Pyrene	1700	1600	ug/Kg	94				47	127	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				48	132	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				22	121	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				49	126	
	Chrysene	1700	1600	ug/Kg	94				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				51	133	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				45	140	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				45	133	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				45	134	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				37	119	
	1,4-Dioxane	1700	1400	ug/Kg	82				70	130	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				44	125	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169228BS	Benzaldehyde	1700	890	ug/Kg	52				10	161	
	Phenol	1700	1500	ug/Kg	88				34	121	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				31	120	
	2-Chlorophenol	1700	1500	ug/Kg	88				34	121	
	2-Methylphenol	1700	1600	ug/Kg	94				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				33	131	
	Acetophenone	1700	1400	ug/Kg	82				33	115	
	3+4-Methylphenols	1700	1500	ug/Kg	88				34	119	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				36	120	
	Hexachloroethane	1700	1400	ug/Kg	82				28	117	
	Nitrobenzene	1700	1500	ug/Kg	88				34	122	
	Isophorone	1700	1400	ug/Kg	82				30	122	
	2-Nitrophenol	1700	1500	ug/Kg	88				36	123	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				30	127	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				36	121	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				40	122	
	Naphthalene	1700	1400	ug/Kg	82				35	123	
	4-Chloroaniline	1700	1100	ug/Kg	65				17	106	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				32	123	
	Caprolactam	1700	1600	ug/Kg	94				46	117	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				45	122	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				43	112	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				39	126	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				41	124	
	1,1-Biphenyl	1700	1500	ug/Kg	88				40	117	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				41	114	
	2-Nitroaniline	1700	1600	ug/Kg	94				44	127	
	Dimethylphthalate	1700	1500	ug/Kg	88				48	124	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				46	124	
	3-Nitroaniline	1700	1200	ug/Kg	71				33	119	
	Acenaphthene	1700	1500	ug/Kg	88				40	123	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				15	130	
	4-Nitrophenol	3300	3200	ug/Kg	97				30	132	
	Dibenzofuran	1700	1500	ug/Kg	88				44	120	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				48	126	
	Diethylphthalate	1700	1500	ug/Kg	88				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1500	ug/Kg	88				35	115	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				29	132	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				38	127	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				46	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025407.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169228BS	Hexachlorobenzene	1700	1500	ug/Kg	88				45	122	
	Atrazine	1700	1500	ug/Kg	88				47	127	
	Pentachlorophenol	3300	3200	ug/Kg	97				25	133	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Carbazole	1700	1500	ug/Kg	88				50	123	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				51	128	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1500	ug/Kg	88				47	127	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				48	132	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				22	121	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				51	133	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				45	140	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				37	119	
	1,4-Dioxane	1700	1300	ug/Kg	76				70	130	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				44	125	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169242BS	Benzaldehyde	1700	940	ug/Kg	55				10	161	
	Phenol	1700	1600	ug/Kg	94				34	121	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				31	120	
	2-Chlorophenol	1700	1600	ug/Kg	94				34	121	
	2-Methylphenol	1700	1600	ug/Kg	94				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				33	131	
	Acetophenone	1700	1600	ug/Kg	94				33	115	
	3+4-Methylphenols	1700	1600	ug/Kg	94				34	119	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				36	120	
	Hexachloroethane	1700	1500	ug/Kg	88				28	117	
	Nitrobenzene	1700	1600	ug/Kg	94				34	122	
	Isophorone	1700	1600	ug/Kg	94				30	122	
	2-Nitrophenol	1700	1600	ug/Kg	94				36	123	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				30	127	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				36	121	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				40	122	
	Naphthalene	1700	1600	ug/Kg	94				35	123	
	4-Chloroaniline	1700	1200	ug/Kg	71				17	106	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				32	123	
	Caprolactam	1700	1900	ug/Kg	112				46	117	
	4-Chloro-3-methylphenol	1700	1800	ug/Kg	106				45	122	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				38	122	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				43	112	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				39	126	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100				41	124	
	1,1-Biphenyl	1700	1500	ug/Kg	88				40	117	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				41	114	
	2-Nitroaniline	1700	1800	ug/Kg	106				44	127	
	Dimethylphthalate	1700	1700	ug/Kg	100				48	124	
	Acenaphthylene	1700	1600	ug/Kg	94				32	132	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106				46	124	
	3-Nitroaniline	1700	1400	ug/Kg	82				33	119	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	2,4-Dinitrophenol	3300	4200	ug/Kg	127				15	130	
	4-Nitrophenol	3300	3800	ug/Kg	115				30	132	
	Dibenzofuran	1700	1600	ug/Kg	94				44	120	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112				48	126	
	Diethylphthalate	1700	1800	ug/Kg	106				50	124	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				45	121	
	Fluorene	1700	1600	ug/Kg	94				43	125	
	4-Nitroaniline	1700	1800	ug/Kg	106				35	115	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				29	132	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				38	127	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				46	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2820 **Analytical Method:** 8270E

Client: First Environment, Inc. **DataFile:** BP025489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169242BS	Hexachlorobenzene	1700	1600	ug/Kg	94				45	122	
	Atrazine	1700	1700	ug/Kg	100				47	127	
	Pentachlorophenol	3300	3600	ug/Kg	109				25	133	
	Phenanthrene	1700	1600	ug/Kg	94				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Carbazole	1700	1700	ug/Kg	100				50	123	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				51	128	
	Fluoranthene	1700	1700	ug/Kg	100				50	127	
	Pyrene	1700	1600	ug/Kg	94				47	127	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				48	132	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				22	121	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				49	126	
	Chrysene	1700	1700	ug/Kg	100				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				51	133	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				45	140	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				45	132	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				47	132	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				45	133	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				45	134	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				37	119	
	1,4-Dioxane	1700	1100	ug/Kg	65		*		70	130	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				44	125	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169210BL

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab File ID: BP025378.D | Lab Sample ID: PB169210BL

Instrument ID: BNA_P | Date Extracted: 08/12/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/13/2025

Level: (low/med) LOW | Time Analyzed: 10:32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
82H-S	Q2820-01	BP025386.D	08/13/2025
82H-W	Q2820-02	BP025380.D	08/13/2025
518R-E	Q2820-05	BP025381.D	08/13/2025
518R-N	Q2820-06	BP025382.D	08/13/2025
518R-W	Q2820-08	BP025383.D	08/13/2025
705R-S	Q2820-09	BP025384.D	08/13/2025
SOIL-DUP-1	Q2820-04	BP025385.D	08/13/2025
82H-N	Q2820-03	BP025387.D	08/13/2025
518R-S	Q2820-07	BP025388.D	08/13/2025
PB169210BS	PB169210BS	BP025402.D	08/14/2025
BIN0009-DRIVEWAY-TP-WESTSIDEMS	Q2830-05MS	BF143367.D	08/13/2025
BIN0009-DRIVEWAY-TP-WESTSIDEMSD	Q2830-05MSD	BF143368.D	08/13/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169228BL

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab File ID: BP025406.D | Lab Sample ID: PB169228BL

Instrument ID: BNA_P | Date Extracted: 08/13/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/14/2025

Level: (low/med) LOW | Time Analyzed: 23:37

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169228BS	PB169228BS	BP025407.D	08/15/2025
SOIL-DUP-2	Q2820-10	BP025408.D	08/15/2025
10PC-W	Q2820-11	BP025409.D	08/15/2025
22M-N	Q2820-21	BP025410.D	08/15/2025
22M-W	Q2820-22	BP025411.D	08/15/2025
10P-E	Q2820-14	BP025412.D	08/15/2025
10P-N	Q2820-16	BP025413.D	08/15/2025
88H-E	Q2820-17	BP025414.D	08/15/2025
88H-EMS	Q2820-17MS	BP025415.D	08/15/2025
88H-EMSD	Q2820-17MSD	BP025416.D	08/15/2025
88H-N	Q2820-18	BP025417.D	08/15/2025
88H-W	Q2820-19	BP025418.D	08/15/2025
88H-S	Q2820-20	BP025419.D	08/15/2025
10PC-S	Q2820-12	BF143521.D	08/21/2025
10P-S	Q2820-15	BP025541.D	08/21/2025
10P-W	Q2820-13	BP025501.D	08/20/2025

COMMENTS:

Form IV SV

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169242BL

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab File ID: BP025488.D | Lab Sample ID: PB169242BL

Instrument ID: BNA_P | Date Extracted: 08/14/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/20/2025

Level: (low/med) LOW | Time Analyzed: 00:27

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169242BS	PB169242BS	BP025489.D	08/20/2025
22BP-WMS	Q2819-03MS	BP025516.D	08/20/2025
22BP-WMSD	Q2819-03MSD	BP025517.D	08/20/2025
22M-E	Q2820-23	BP025523.D	08/21/2025
22M-S	Q2820-24	BF143520.D	08/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BF143342.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	77.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143343.D	08/12/2025	09:03
SSTDICC005	SSTDICC005	BF143344.D	08/12/2025	09:34
SSTDICC010	SSTDICC010	BF143345.D	08/12/2025	10:04
SSTDICC020	SSTDICC020	BF143346.D	08/12/2025	10:35
SSTDICCC040	SSTDICCC040	BF143347.D	08/12/2025	11:06
SSTDICC050	SSTDICC050	BF143348.D	08/12/2025	11:37
SSTDICC060	SSTDICC060	BF143349.D	08/12/2025	12:07
SSTDICC080	SSTDICC080	BF143350.D	08/12/2025	12:38

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BF143364.D DFTPP Injection Date: 08/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	77.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143365.D	08/13/2025	10:00
BIN0009-DRIVEWAY-TP-WESTSIDEMS	Q2830-05MS	BF143367.D	08/13/2025	11:12
BIN0009-DRIVEWAY-TP-WESTSIDEMSD	Q2830-05MSD	BF143368.D	08/13/2025	11:42
SSTDCCC040EC	SSTDCCC040	BF143375.D	08/13/2025	15:41

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BF143476.D DFTPP Injection Date: 08/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143477.D	08/20/2025	10:55
SSTDICC005	SSTDICC005	BF143478.D	08/20/2025	11:25
SSTDICC010	SSTDICC010	BF143479.D	08/20/2025	11:54
SSTDICC020	SSTDICC020	BF143480.D	08/20/2025	12:23
SSTDICCC040	SSTDICCC040	BF143481.D	08/20/2025	12:53
SSTDICC050	SSTDICC050	BF143482.D	08/20/2025	13:22
SSTDICC060	SSTDICC060	BF143483.D	08/20/2025	13:51
SSTDICC080	SSTDICC080	BF143484.D	08/20/2025	14:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BF143517.D DFTPP Injection Date: 08/21/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	77.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143518.D	08/21/2025	09:21
22M-S	Q2820-24	BF143520.D	08/21/2025	10:20
10PC-S	Q2820-12	BF143521.D	08/21/2025	10:49
SSTDCCC040EC	SSTDCCC040	BF143539.D	08/21/2025	19:32

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025297.D DFTPP Injection Date: 08/05/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	78.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025298.D	08/05/2025	12:03
SSTDICC005	SSTDICC005	BP025299.D	08/05/2025	12:44
SSTDICC010	SSTDICC010	BP025300.D	08/05/2025	13:25
SSTDICC020	SSTDICC020	BP025301.D	08/05/2025	14:06
SSTDICCC040	SSTDICCC040	BP025302.D	08/05/2025	14:47
SSTDICC050	SSTDICC050	BP025303.D	08/05/2025	15:28
SSTDICC060	SSTDICC060	BP025304.D	08/05/2025	16:10
SSTDICC080	SSTDICC080	BP025305.D	08/05/2025	16:51

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025376.D DFTPP Injection Date: 08/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	80.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025377.D	08/13/2025	09:51
PB169210BL	PB169210BL	BP025378.D	08/13/2025	10:32
82H-W	Q2820-02	BP025380.D	08/13/2025	11:59
518R-E	Q2820-05	BP025381.D	08/13/2025	12:41
518R-N	Q2820-06	BP025382.D	08/13/2025	13:22
518R-W	Q2820-08	BP025383.D	08/13/2025	14:04
705R-S	Q2820-09	BP025384.D	08/13/2025	14:46
SOIL-DUP-1	Q2820-04	BP025385.D	08/13/2025	15:27
82H-S	Q2820-01	BP025386.D	08/13/2025	16:09
82H-N	Q2820-03	BP025387.D	08/13/2025	16:50
518R-S	Q2820-07	BP025388.D	08/13/2025	17:32
SSTDCCC040EC	SSTDCCC040	BP025389.D	08/13/2025	18:13

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025390.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24
PB169210BS	PB169210BS	BP025402.D	08/14/2025	20:10
SSTDCCC040EC	SSTDCCC040	BP025403.D	08/14/2025	20:51

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025404.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 22:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	79.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025405.D	08/14/2025	22:56
PB169228BL	PB169228BL	BP025406.D	08/14/2025	23:37
PB169228BS	PB169228BS	BP025407.D	08/15/2025	00:18
SOIL-DUP-2	Q2820-10	BP025408.D	08/15/2025	01:00
10PC-W	Q2820-11	BP025409.D	08/15/2025	01:41
22M-N	Q2820-21	BP025410.D	08/15/2025	02:22
22M-W	Q2820-22	BP025411.D	08/15/2025	03:03
10P-E	Q2820-14	BP025412.D	08/15/2025	03:45
10P-N	Q2820-16	BP025413.D	08/15/2025	04:26
88H-E	Q2820-17	BP025414.D	08/15/2025	05:07
88H-EMS	Q2820-17MS	BP025415.D	08/15/2025	05:48
88H-EMSD	Q2820-17MSD	BP025416.D	08/15/2025	06:29
88H-N	Q2820-18	BP025417.D	08/15/2025	07:10
88H-W	Q2820-19	BP025418.D	08/15/2025	07:51
88H-S	Q2820-20	BP025419.D	08/15/2025	08:32
SSTDCCC040EC	SSTDCCC040	BP025420.D	08/15/2025	09:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab File ID: BP025421.D | DFTPP Injection Date: 08/15/2025

Instrument ID: BNA_P | DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025422.D	08/15/2025	10:36
518R-SRE	Q2820-07RE	BP025432.D	08/15/2025	18:17
82H-SRE	Q2820-01RE	BP025433.D	08/15/2025	18:58
22M-NRE	Q2820-21RE	BP025434.D	08/15/2025	19:40
22M-WRE	Q2820-22RE	BP025435.D	08/15/2025	20:21
SSTDCCC040EC	SSTDCCC040	BP025436.D	08/15/2025	21:03

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025469.D DFTPP Injection Date: 08/19/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	80.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025470.D	08/19/2025	10:44
88H-WRE	Q2820-19RE	BP025481.D	08/19/2025	18:17
88H-SRE	Q2820-20RE	BP025482.D	08/19/2025	18:58
SSTDCCC040EC	SSTDCCC040	BP025485.D	08/19/2025	21:43

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025486.D DFTPP Injection Date: 08/19/2025

Instrument ID: BNA_P DFTPP Injection Time: 23:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	78.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025487.D	08/19/2025	23:46
PB169242BL	PB169242BL	BP025488.D	08/20/2025	00:27
PB169242BS	PB169242BS	BP025489.D	08/20/2025	01:07
10P-W	Q2820-13	BP025501.D	08/20/2025	09:19
SSTDCCC040EC	SSTDCCC040	BP025502.D	08/20/2025	10:41

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2820

Lab File ID: BP025511.D | DFTPP Injection Date: 08/20/2025

Instrument ID: BNA_P | DFTPP Injection Time: 17:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	80.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025512.D	08/20/2025	18:27
22BP-WMS	Q2819-03MS	BP025516.D	08/20/2025	21:11
22BP-WMSD	Q2819-03MSD	BP025517.D	08/20/2025	21:52
22M-E	Q2820-23	BP025523.D	08/21/2025	01:56
SSTDCCC040EC	SSTDCCC040	BP025526.D	08/21/2025	03:59

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2820

Lab File ID: BP025527.D DFTPP Injection Date: 08/21/2025

Instrument ID: BNA_P DFTPP Injection Time: 06:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025528.D	08/21/2025	06:42
10P-S	Q2820-15	BP025541.D	08/21/2025	15:37
SSTDCCC040EC	SSTDCCC040	BP025542.D	08/21/2025	17:11

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BF143365.D Time Analyzed: 10:00

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	155874	6.934	589243	8.21	314886	9.96
	UPPER LIMIT	311748	7.434	1178490	8.71	629772	10.463
	LOWER LIMIT	77937	6.434	294622	7.71	157443	9.463
	EPA SAMPLE NO.						
01	BIN0009-DRIVEWAY-TP-WESTSIDEMS	137804	6.93	517024	8.21	272568	9.96
02	BIN0009-DRIVEWAY-TP-WESTSIDEMS	182122	6.93	707644	8.21	400799	9.97

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BF143365.D Time Analyzed: 10:00

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	455320	11.451	268507	14.092	321267	15.58
	UPPER LIMIT	910640	11.951	537014	14.592	642534	16.08
	LOWER LIMIT	227660	10.951	134254	13.592	160634	15.08
	EPA SAMPLE NO.						
01	BIN0009-DRIVEWAY-TP-WESTSII	391965	11.45	309493	14.09	383464	15.58
02	BIN0009-DRIVEWAY-TP-WESTSII	660496	11.45	401162	14.09	380758	15.58

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BF143518.D Time Analyzed: 09:21

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	118001	6.928	448774	8.21	244595	9.96
	UPPER LIMIT	236002	7.428	897548	8.71	489190	10.463
	LOWER LIMIT	59000.5	6.428	224387	7.71	122298	9.463
	EPA SAMPLE NO.						
01	22M-S	140577	6.93	460701	8.21	218945	9.98
02	10PC-S	116094	6.93	448316	8.20	237829	9.96

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BF143518.D Time Analyzed: 09:21

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	369706	11.451	222503	14.098	262934	15.592
	UPPER LIMIT	739412	11.951	445006	14.598	525868	16.092
	LOWER LIMIT	184853	10.951	111252	13.598	131467	15.092
	EPA SAMPLE NO.						
01	22M-S	310989	11.46	255701	14.10	303433	15.59
02	10PC-S	358470	11.45	210726	14.09	255976	15.59

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BP025377.D Time Analyzed: 09:51

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	162911	7.802	673350	10.57	416841	14.43
	UPPER LIMIT	325822	8.302	1346700	11.072	833682	14.925
	LOWER LIMIT	81455.5	7.302	336675	10.072	208421	13.925
	EPA SAMPLE NO.						
01	PB169210BL	188983	7.80	717580	10.57	426281	14.41
02	82H-S	188879	7.80	737904	10.57	464131	14.43
03	82H-W	171862	7.80	680768	10.57	418215	14.42
04	518R-E	174858	7.80	681358	10.57	417011	14.41
05	82H-N	177935	7.80	679453	10.57	421690	14.41
06	SOIL-DUP-1	167625	7.80	647929	10.57	392291	14.43
07	518R-N	168818	7.80	653673	10.57	420600	14.42
08	518R-S	213360	7.80	844787	10.57	533137	14.42
09	518R-W	161270	7.80	625957	10.57	388971	14.43
10	705R-S	141445	7.80	543246	10.57	336079	14.43

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/13/2025

Lab File ID: BP025377.D Time Analyzed: 09:51

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	836446	17.225	867026	21.666	1047430	25.065
	UPPER LIMIT	1672890	17.725	1734050	22.166	2094860	25.565
	LOWER LIMIT	418223	16.725	433513	21.166	523715	24.565
	EPA SAMPLE NO.						
01	PB169210BL	848111	17.21	1035400	21.67	1197800	25.07
02	82H-S	911140	17.23	1035680	21.68	1183880	25.06
03	82H-W	828576	17.23	902451	21.68	1042270	25.07
04	518R-E	828990	17.21	887231	21.65	1030590	25.05
05	82H-N	844698	17.21	1026810	21.67	1145460	25.06
06	SOIL-DUP-1	809211	17.23	934018	21.67	1049270	25.08
07	518R-N	846121	17.22	902500	21.68	1039990	25.08
08	518R-S	1007180	17.22	1023640	21.68	1164080	25.07
09	518R-W	792350	17.23	857200	21.68	969724	25.08
10	705R-S	669191	17.22	757887	21.67	855341	25.07

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDICCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025396.D Time Analyzed: 15:19

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	157704	7.796	663553	10.56	441110	14.41
	UPPER LIMIT	315408	8.296	1327110	11.06	882220	14.907
	LOWER LIMIT	78852	7.296	331777	10.06	220555	13.907
	EPA SAMPLE NO.						
01	PB169210BS	156059	7.79	650560	10.56	435539	14.41

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDICCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025396.D Time Analyzed: 15:19

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	884529	17.201	899207	21.648	1022140	25.03
	UPPER LIMIT	1769060	17.701	1798410	22.148	2044280	25.53
	LOWER LIMIT	442265	16.701	449604	21.148	511070	24.53
	EPA SAMPLE NO.						
01	PB169210BS	895607	17.20	937531	21.65	1016820	25.02

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025405.D Time Analyzed: 22:56

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	125696	7.79	523394	10.55	347617	14.40
	UPPER LIMIT	251392	8.29	1046790	11.054	695234	14.901
	LOWER LIMIT	62848	7.29	261697	10.054	173809	13.901
	EPA SAMPLE NO.						
01	PB169228BL	151255	7.79	580467	10.55	375906	14.40
02	PB169228BS	147030	7.79	606682	10.55	410001	14.40
03	SOIL-DUP-2	130775	7.79	527527	10.56	362405	14.40
04	10PC-W	139243	7.79	559685	10.57	367909	14.41
05	10P-E	134998	7.79	552076	10.55	387613	14.40
06	10P-N	128430	7.80	500891	10.56	336879	14.41
07	88H-E	140408	7.79	555583	10.56	371326	14.40
08	88H-EMS	150786	7.79	605832	10.57	386320	14.40
09	88H-EMSD	152229	7.80	611748	10.56	408254	14.41
10	88H-N	145484	7.79	574927	10.56	395366	14.40
11	22M-N	132261	7.79	525320	10.56	350732	14.40
12	22M-W	134809	7.79	523322	10.56	344739	14.40
13	88H-W	146540	7.79	583526	10.56	400529	14.40
14	88H-S	149844	7.79	598773	10.56	391178	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/14/2025

Lab File ID: BP025405.D Time Analyzed: 22:56

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	711916	17.201	755861	21.642	870596	25.007
	UPPER LIMIT	1423830	17.701	1511720	22.142	1741190	25.507
	LOWER LIMIT	355958	16.701	377931	21.142	435298	24.507
	EPA SAMPLE NO.						
01	PB169228BL	766364	17.20	917581	21.64	1039280	25.02
02	PB169228BS	838541	17.19	848930	21.64	946447	25.02
03	SOIL-DUP-2	768594	17.20	878990	21.64	982656	24.98
04	10PC-W	771236	17.20	900414	21.64	1009840	25.01
05	10P-E	803578	17.19	864078	21.62	961602	25.00
06	10P-N	709790	17.20	830900	21.63	927401	24.99
07	88H-E	797971	17.20	894007	21.64	1029800	25.00
08	88H-EMS	780287	17.20	875377	21.64	1000600	25.00
09	88H-EMSD	837667	17.20	921761	21.65	1086410	25.02
10	88H-N	834728	17.20	934352	21.64	1037250	25.00
11	22M-N	741199	17.20	856544	21.64	990692	25.01
12	22M-W	728298	17.19	862061	21.63	1000230	25.00
13	88H-W	830081	17.19	923699	21.64	1026010	24.99
14	88H-S	833975	17.20	954124	21.64	1072300	25.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/15/2025

Lab File ID: BP025422.D Time Analyzed: 10:36

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	163210	7.79	699113	10.55	458301	14.41
	UPPER LIMIT	326420	8.29	1398230	11.054	916602	14.907
	LOWER LIMIT	81605	7.29	349557	10.054	229151	13.907
	EPA SAMPLE NO.						
01	82H-SRE	177461	7.79	741581	10.56	488704	14.40
02	518R-SRE	179235	7.79	753535	10.56	491372	14.40
03	22M-NRE	155082	7.79	641637	10.55	416468	14.40
04	22M-WRE	156053	7.79	655545	10.56	437583	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/15/2025

Lab File ID: BP025422.D Time Analyzed: 10:36

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	913689	17.201	958309	21.648	1096860	25.012
	UPPER LIMIT	1827380	17.701	1916620	22.148	2193720	25.512
	LOWER LIMIT	456845	16.701	479155	21.148	548430	24.512
	EPA SAMPLE NO.						
01	82H-SRE	940255	17.20	936586	21.63	1067820	24.99
02	518R-SRE	974965	17.20	981082	21.64	1090630	25.00
03	22M-NRE	866830	17.19	930206	21.62	1040580	24.99
04	22M-WRE	897708	17.19	903775	21.64	1010900	25.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BP025470.D Time Analyzed: 10:44

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	152340	7.784	634765	10.56	424501	14.40
	UPPER LIMIT	304680	8.284	1269530	11.06	849002	14.895
	LOWER LIMIT	76170	7.284	317383	10.06	212251	13.895
	EPA SAMPLE NO.						
01	88H-WRE	191159	7.79	749052	10.55	500665	14.41
02	88H-SRE	154647	7.78	609725	10.55	414467	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BP025470.D Time Analyzed: 10:44

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	850052	17.195	848020	21.654	967213	25.018
	UPPER LIMIT	1700100	17.695	1696040	22.154	1934430	25.518
	LOWER LIMIT	425026	16.695	424010	21.154	483607	24.518
	EPA SAMPLE NO.						
01	88H-WRE	1060080	17.20	1173120	21.64	1280640	25.01
02	88H-SRE	941825	17.19	1107740	21.63	1188650	25.00

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BP025487.D Time Analyzed: 23:46

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	159158	7.79	679178	10.56	450864	14.41
	UPPER LIMIT	318316	8.29	1358360	11.06	901728	14.913
	LOWER LIMIT	79579	7.29	339589	10.06	225432	13.913
	EPA SAMPLE NO.						
01	PB169242BL	158125	7.79	604850	10.56	392339	14.40
02	PB169242BS	125615	7.80	505871	10.57	363724	14.40
03	10P-W	145357	7.78	568025	10.55	384903	14.41

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/19/2025

Lab File ID: BP025487.D Time Analyzed: 23:46

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	905283	17.207	932001	21.642	1054170	25.012
	UPPER LIMIT	1810570	17.707	1864000	22.142	2108340	25.512
	LOWER LIMIT	452642	16.707	466001	21.142	527085	24.512
	EPA SAMPLE NO.						
01	PB169242BL	837745	17.19	919387	21.63	1036560	25.00
02	PB169242BS	785967	17.19	837525	21.63	883653	24.99
03	10P-W	795577	17.20	860315	21.65	920578	25.01

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/20/2025

Lab File ID: BP025512.D Time Analyzed: 18:27

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	166180	7.79	619421	10.55	355189	14.40
	UPPER LIMIT	332360	8.29	1238840	11.054	710378	14.895
	LOWER LIMIT	83090	7.29	309711	10.054	177595	13.895
	EPA SAMPLE NO.						
01	22BP-WMS	196853	7.79	796434	10.56	542391	14.41
02	22M-E	171214	7.78	649977	10.56	383584	14.40
03	22BP-WMSD	184860	7.79	722280	10.56	447048	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/20/2025

Lab File ID: BP025512.D Time Analyzed: 18:27

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	670328	17.201	721835	21.648	911460	25.03
	UPPER LIMIT	1340660	17.701	1443670	22.148	1822920	25.53
	LOWER LIMIT	335164	16.701	360918	21.148	455730	24.53
	EPA SAMPLE NO.						
01	22BP-WMS	1090850	17.21	892873	21.64	958463	25.02
02	22M-E	762449	17.20	897949	21.63	1034570	24.99
03	22BP-WMSD	890323	17.21	903947	21.65	1025350	25.02

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID : SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BP025528.D Time Analyzed: 06:42

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	210336	7.79	893021	10.56	582847	14.40
	UPPER LIMIT	420672	8.29	1786040	11.06	1165690	14.901
	LOWER LIMIT	105168	7.29	446511	10.06	291424	13.901
	EPA SAMPLE NO.						
01	10P-S	242296	7.78	874020	10.56	479174	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2820

Client ID: SSTDCCC040 Date Analyzed: 08/21/2025

Lab File ID: BP025528.D Time Analyzed: 06:42

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1185140	17.201	966898	21.642	954709	25.001
	UPPER LIMIT	2370280	17.701	1933800	22.142	1909420	25.501
	LOWER LIMIT	592570	16.701	483449	21.142	477355	24.501
	EPA SAMPLE NO.						
01	10P-S	886621	17.20	948832	21.65	1096230	25.04

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.2		35 - 115		45%	SPK: 150
13127-88-3	Phenol-d6	62.0		34 - 127		41%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.8		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	189000	7.796				
1146-65-2	Naphthalene-d8	738000	10.566				
15067-26-2	Acenaphthene-d10	464000	14.425				
1517-22-2	Phenanthrene-d10	911000	17.225				
1719-03-5	Chrysene-d12	1040000	21.677				
1520-96-3	Perylene-d12	1180000	25.06				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	800	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB			4.95	ug/Kg
000119-61-9	Benzophenone	180	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J			18.2	ug/Kg
027519-02-4	9-Tricosene, (Z)-	220	J			21.3	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Time: Aug 13 16:37:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

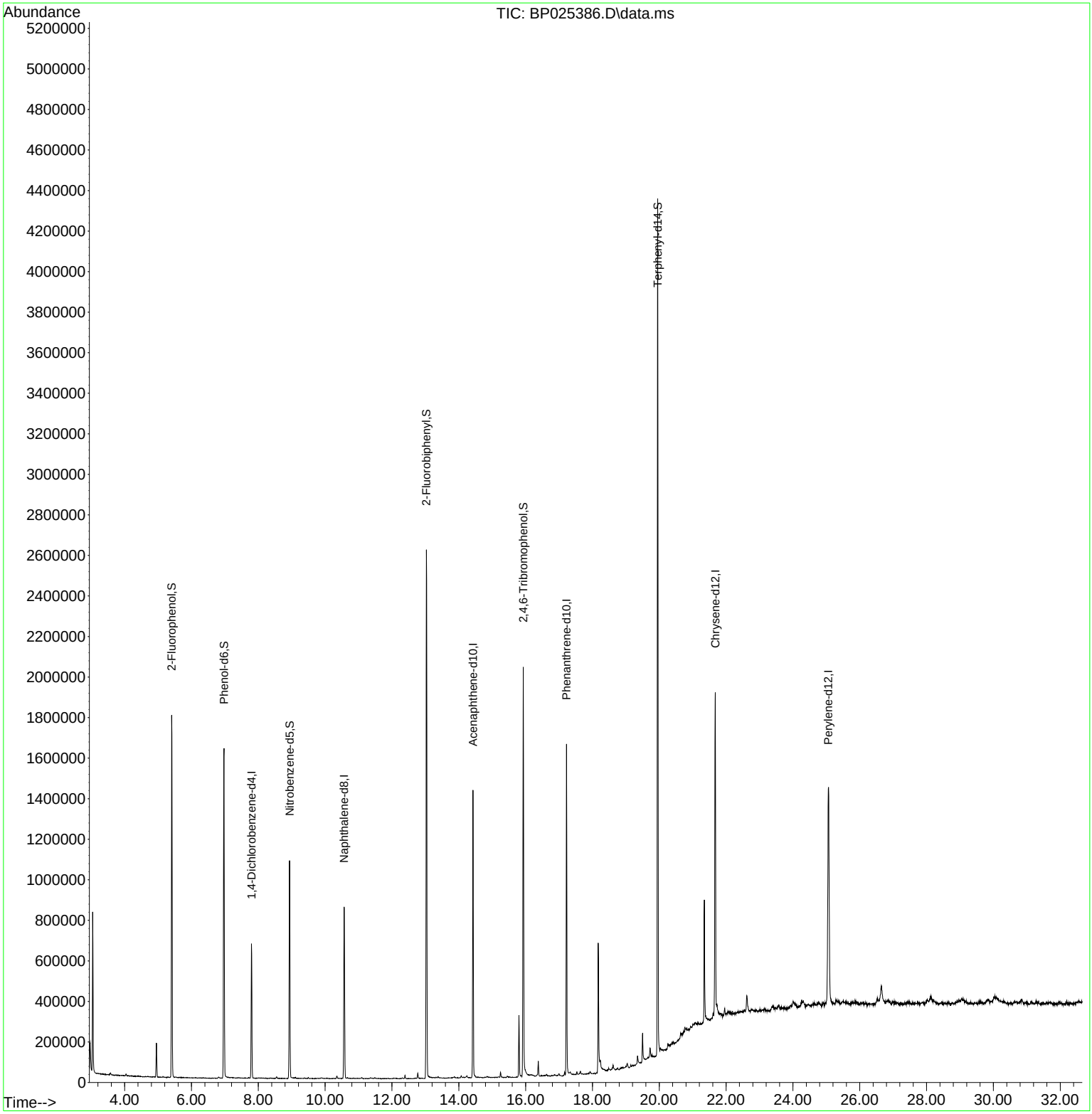
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	188879	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	737904	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	464131	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	911140	20.000	ng	0.00
76) Chrysene-d12	21.677	240	1035675	20.000	ng	0.02
86) Perylene-d12	25.060	264	1183878	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	789543	67.232	ng	0.00
7) Phenol-d6	6.972	99	958803	62.037	ng	0.00
23) Nitrobenzene-d5	8.937	82	621642	46.672	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	415791	89.799	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1435039	42.705	ng	0.00
79) Terphenyl-d14	19.954	244	2296040	41.873	ng	0.01
Target Compounds						Qvalue

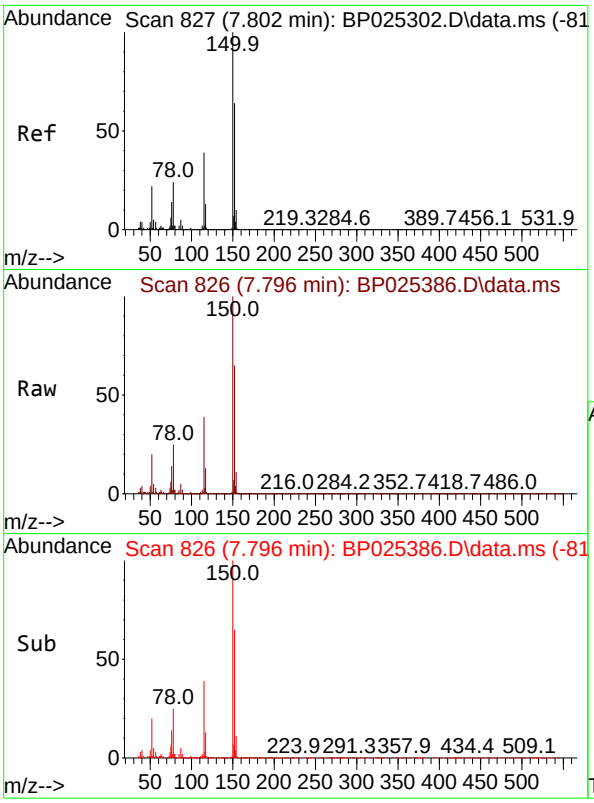
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Time: Aug 13 16:37:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



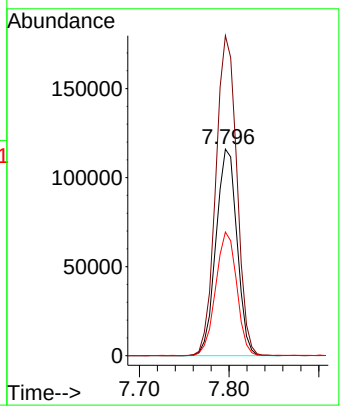


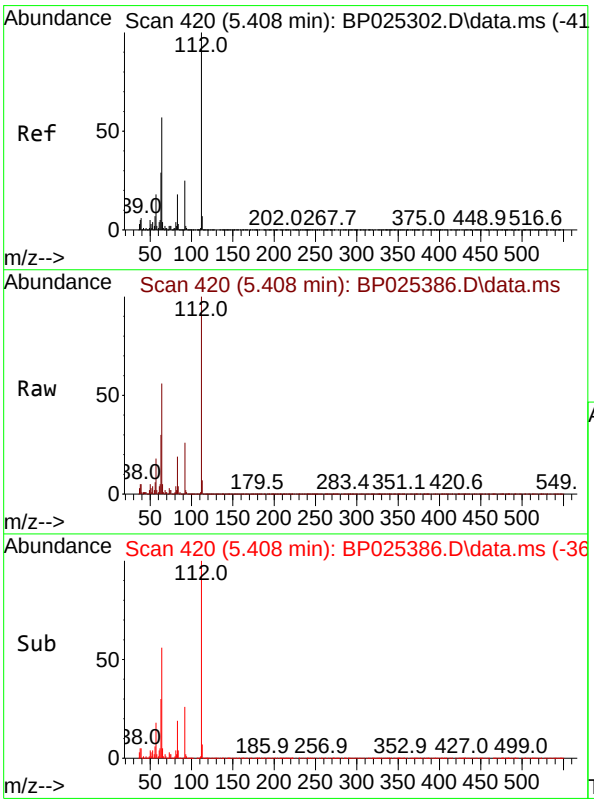
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion:152 Resp: 188879

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.1	187.7
115	59.9	48.4	72.6

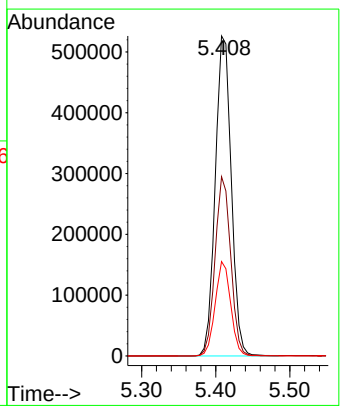


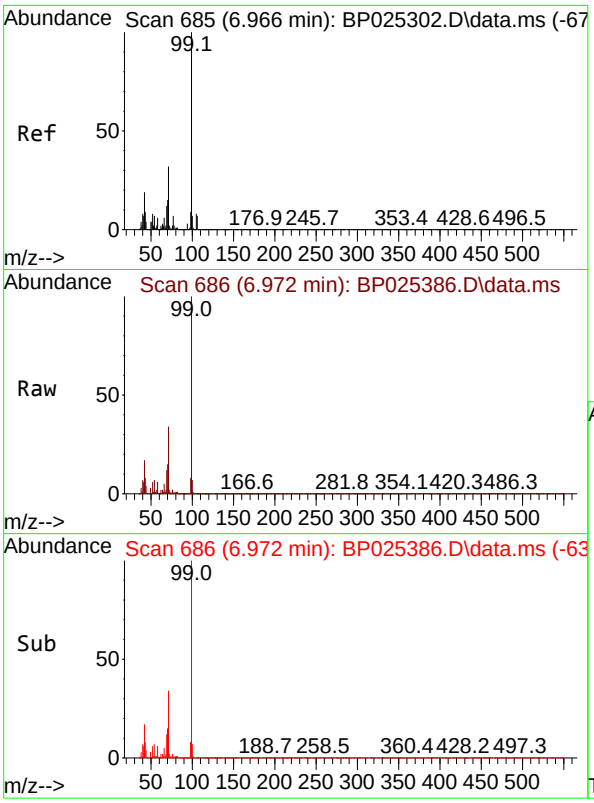


#5
2-Fluorophenol
Concen: 67.232 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:112 Resp: 789543

Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.3	67.9
63	29.5	23.0	34.6



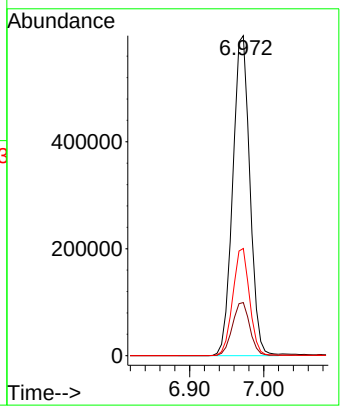


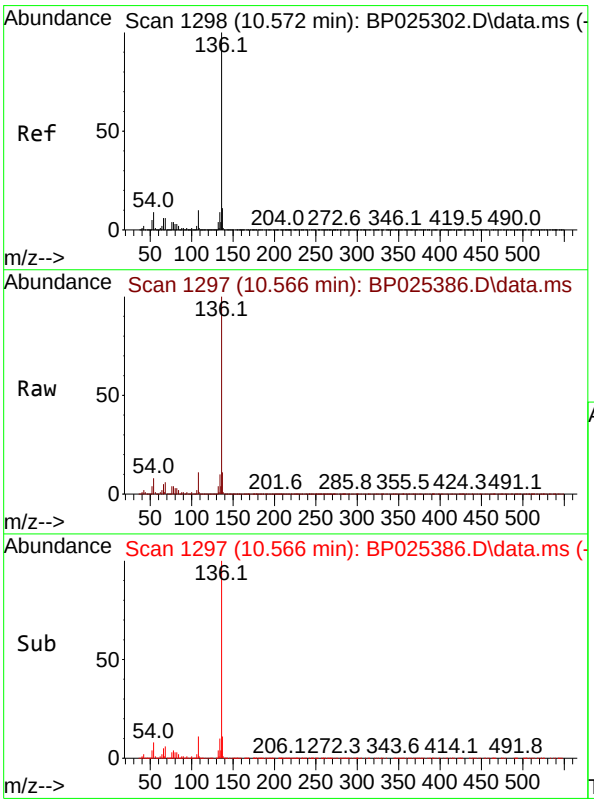
#7
Phenol-d6
Concen: 62.037 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion: 99 Resp: 958803

Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.0	22.6
71	33.5	25.5	38.3

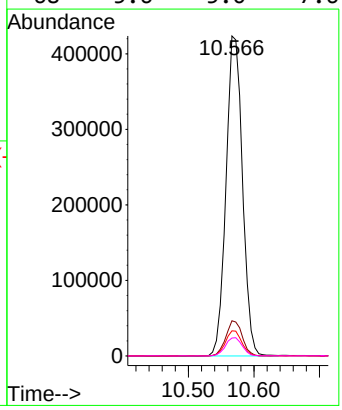


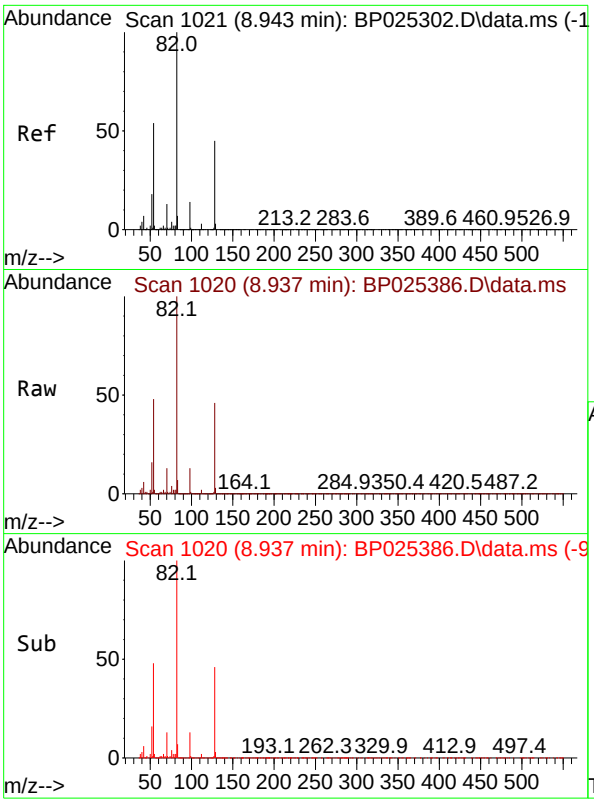


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:136 Resp: 737904

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	7.0	10.6
68	5.6	5.0	7.6



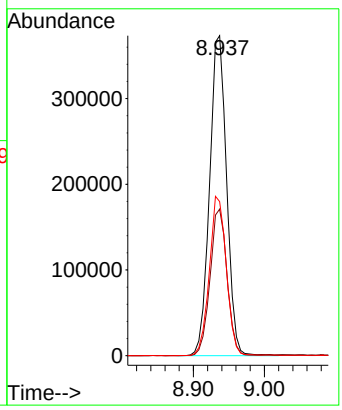


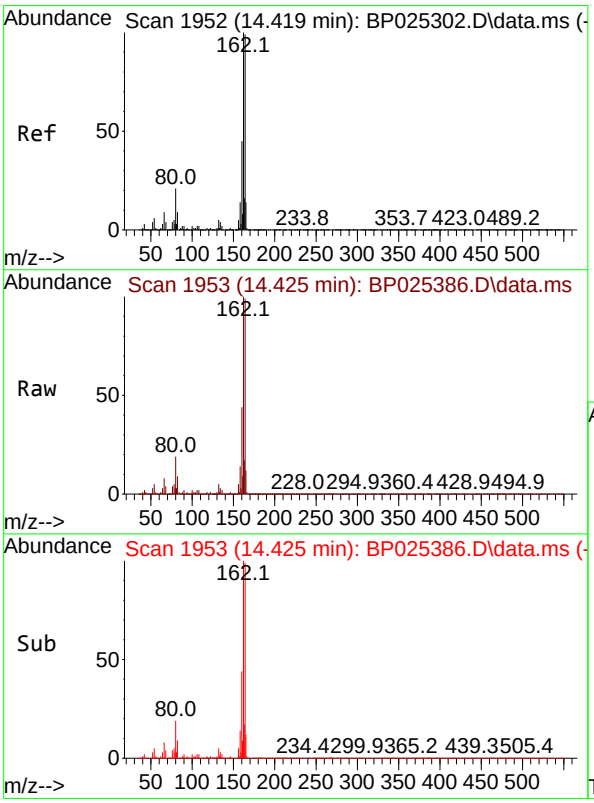
#23
Nitrobenzene-d5
Concen: 46.672 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion: 82 Resp: 621642

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.4	53.2
54	48.2	42.9	64.3

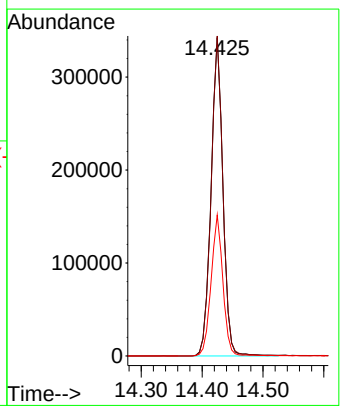


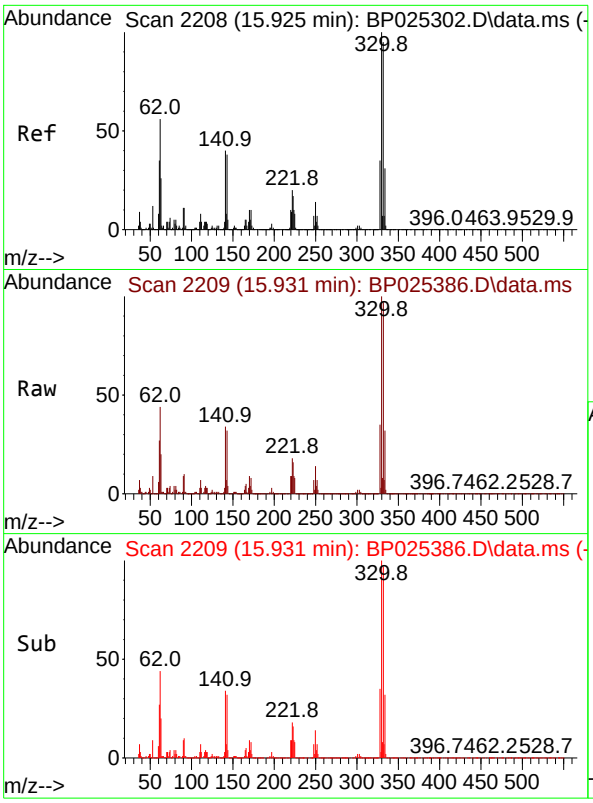


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:164 Resp: 464131

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	44.3	35.9	53.9



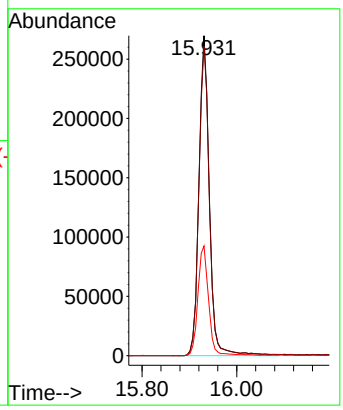


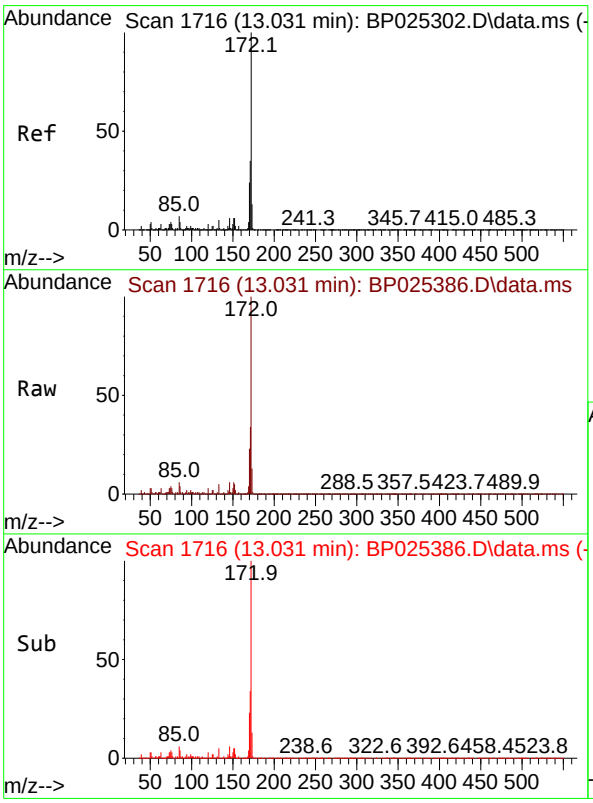
#42
2,4,6-Tribromophenol
Concen: 89.799 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion:330 Resp: 415791

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	34.5	31.7	47.5

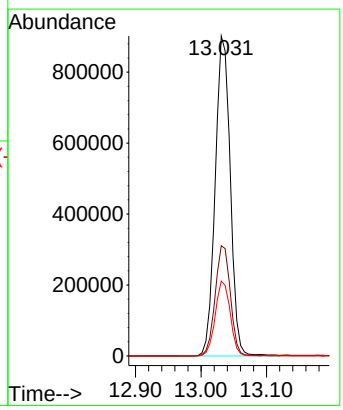


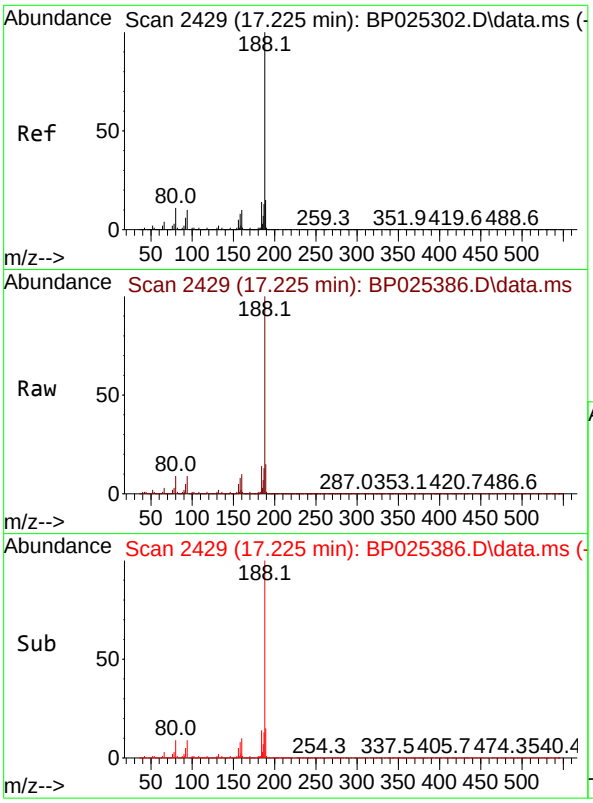


#45
2-Fluorobiphenyl
Concen: 42.705 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:172 Resp: 1435039

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	23.4	18.9	28.3



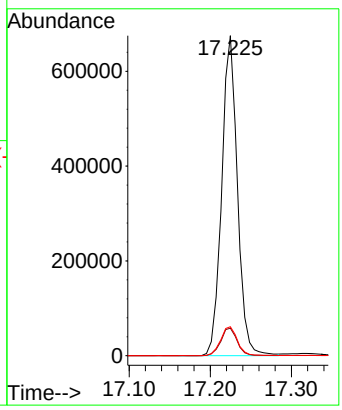


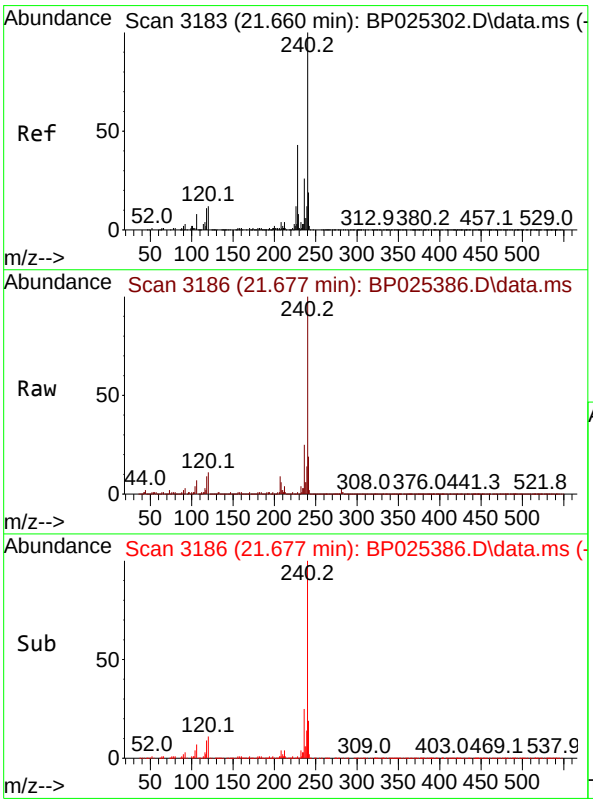
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion:188 Resp: 911140

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.0	12.0
80	9.1	8.5	12.7

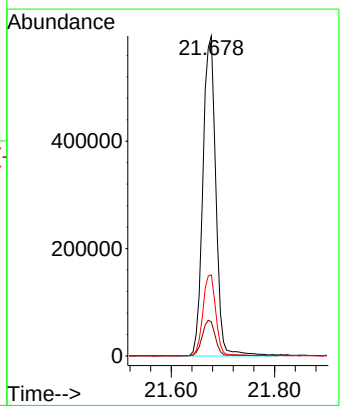


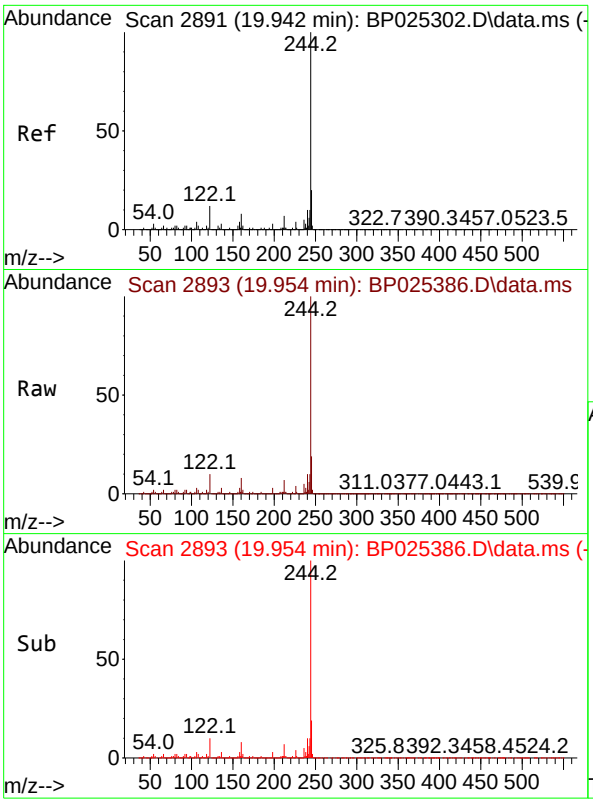


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:240 Resp: 1035675

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.6	14.4
236	25.4	20.4	30.6



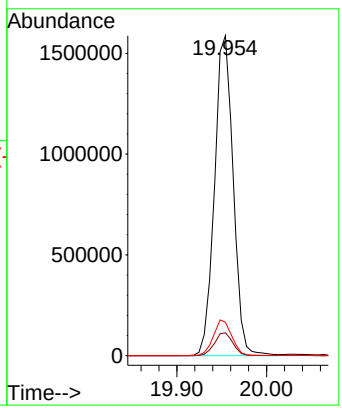


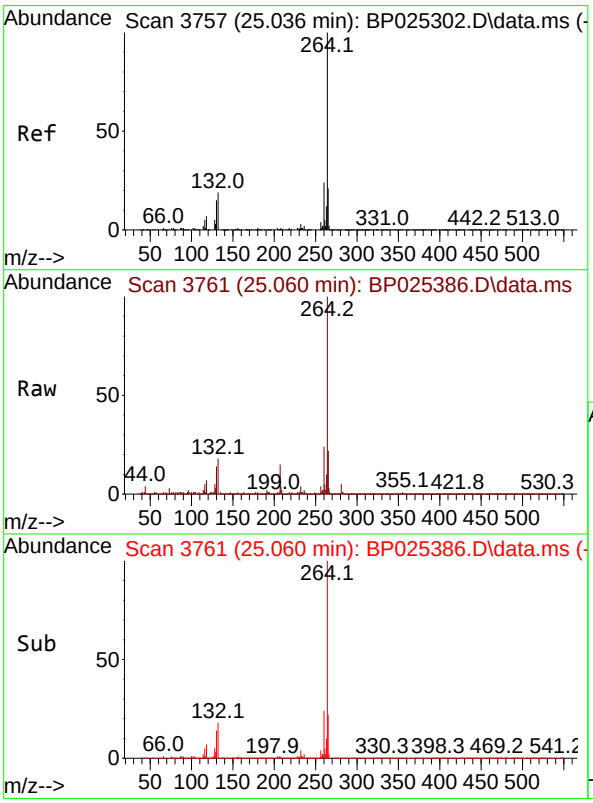
#79
Terphenyl-d14
Concen: 41.873 ng
RT: 19.954 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Instrument :
BNA_P
ClientSampleId :
82H-S

Tgt Ion:244 Resp: 2296040

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.5	9.5	14.3

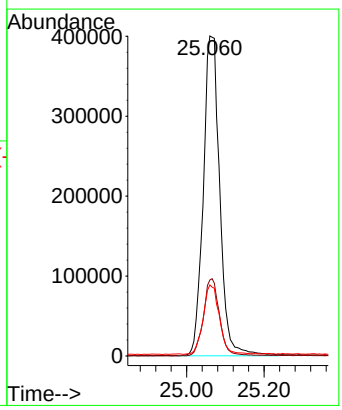




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.060 min Scan# 3761
Delta R.T. 0.024 min
Lab File: BP025386.D
Acq: 13 Aug 2025 16:09

Tgt Ion:264 Resp: 1183878

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025386.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	135743	194996	3.15%	0.524%
2	3.043	13	18	36	rVB	796807	1063922	17.20%	2.860%
3	4.949	337	342	349	rVB	168795	238355	3.85%	0.641%
4	5.408	414	420	432	rVB	1787007	2635611	42.60%	7.085%
5	6.972	677	686	699	rBV	1627452	2643766	42.73%	7.107%
6	7.796	819	826	835	rVB	663200	1072172	17.33%	2.882%
7	8.937	1009	1020	1031	rBV	1075993	1829199	29.57%	4.917%
8	10.566	1291	1297	1309	rVB	845858	1476296	23.86%	3.969%
9	13.031	1708	1716	1726	rBV	2609027	4133579	66.81%	11.112%
10	14.425	1945	1953	1966	rBV	1418092	1943543	31.41%	5.225%
11	15.801	2180	2187	2194	rBV	304554	428641	6.93%	1.152%
12	15.931	2202	2209	2235	rBV	2019952	3223534	52.10%	8.666%
13	16.378	2280	2285	2293	rVB	73848	106513	1.72%	0.286%
14	17.225	2423	2429	2439	rBV	1631314	2239335	36.19%	6.020%
15	18.172	2585	2590	2598	rBV	640968	971390	15.70%	2.611%
16	19.501	2811	2816	2824	rBV	145924	248060	4.01%	0.667%
17	19.725	2851	2854	2859	rVB	41414	64779	1.05%	0.174%
18	19.954	2887	2893	2903	rBV	4216257	6187036	100.00%	16.633%
19	21.348	3126	3130	3136	rBV	589456	748456	12.10%	2.012%
20	21.678	3179	3186	3193	rBV	1581677	2766804	44.72%	7.438%
21	25.066	3753	3762	3775	rVB	1056268	2982429	48.20%	8.018%

Sum of corrected areas: 37198416

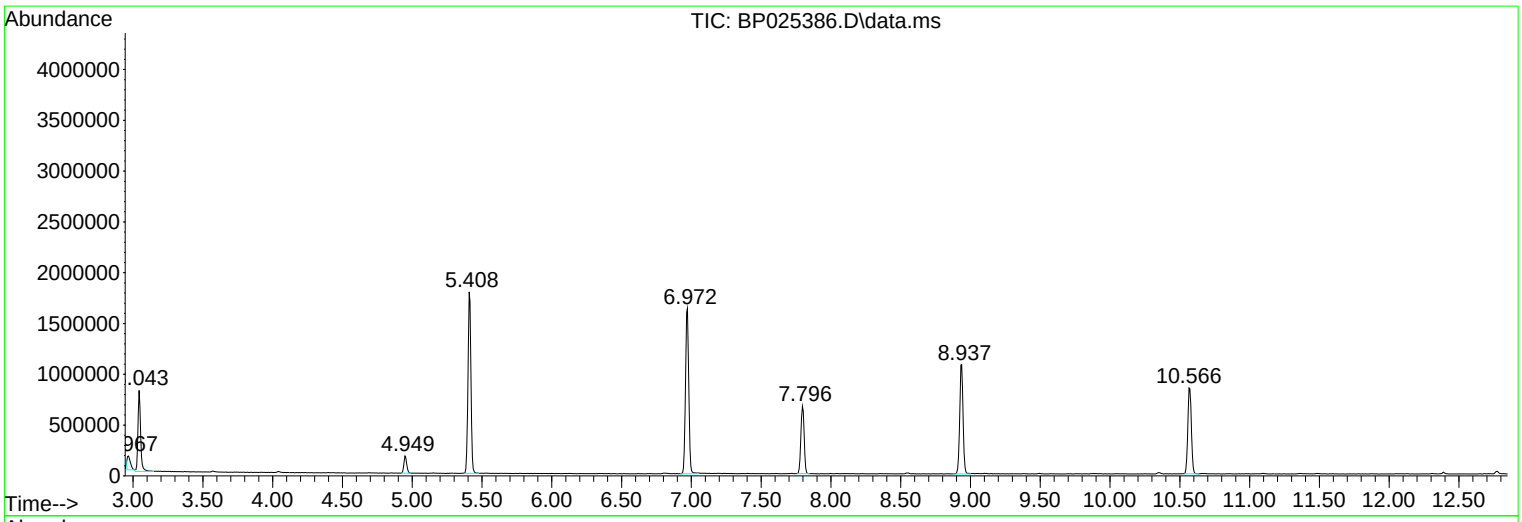
Sample Results: **BP025386.D**

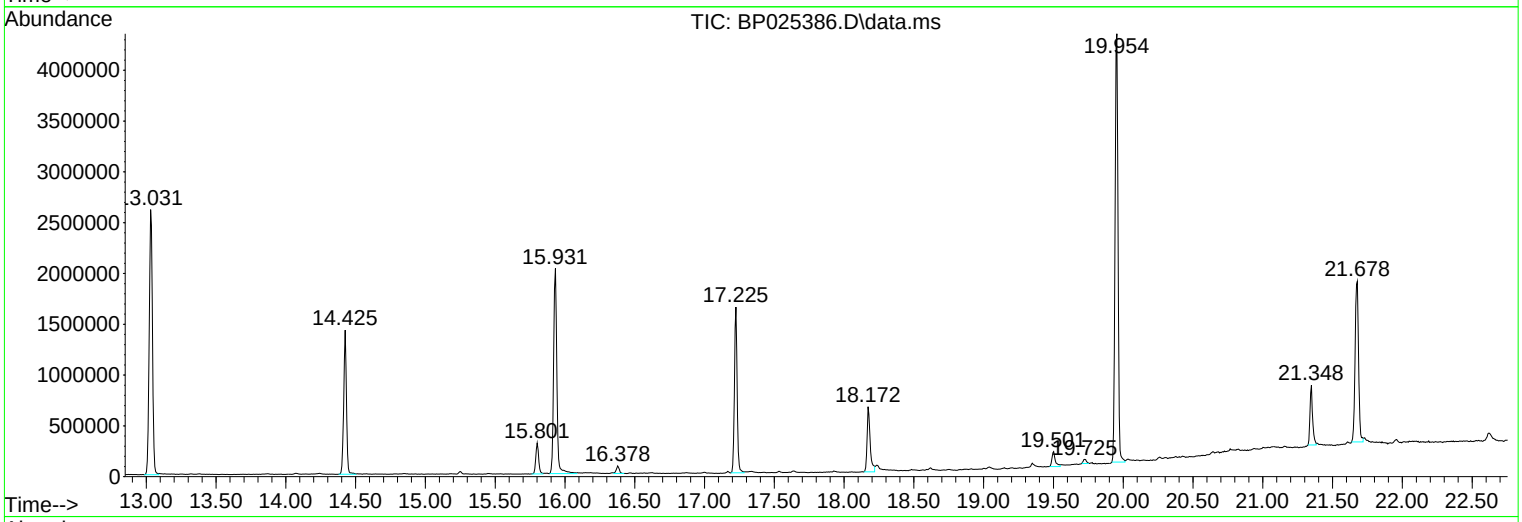
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

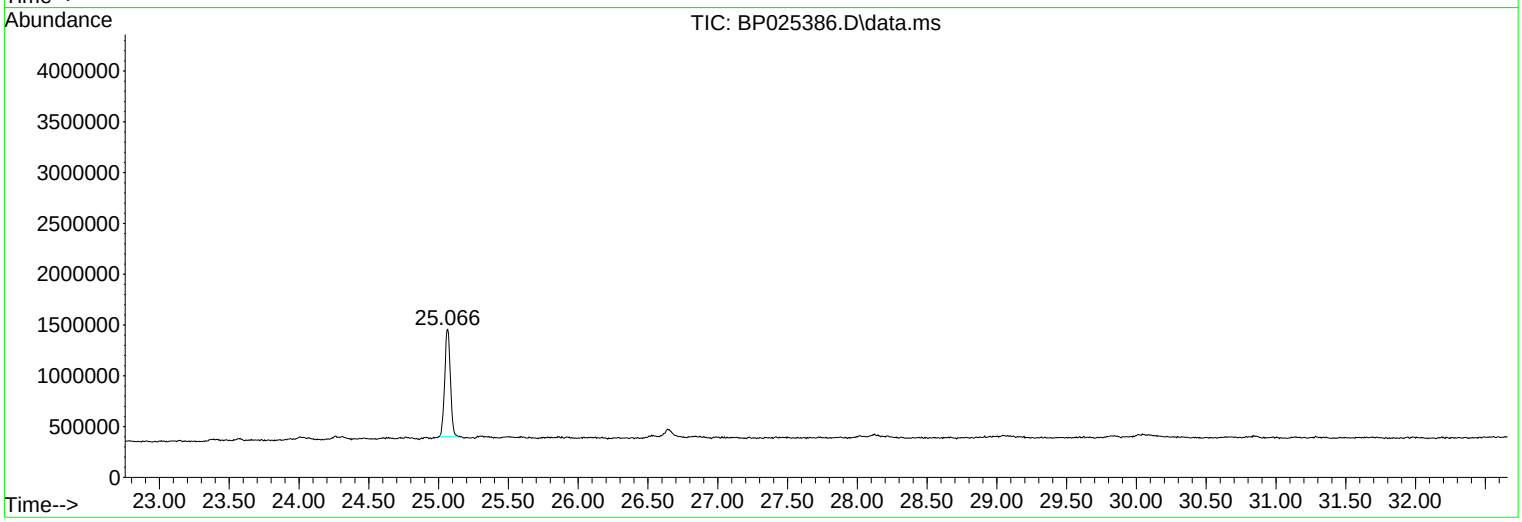
Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

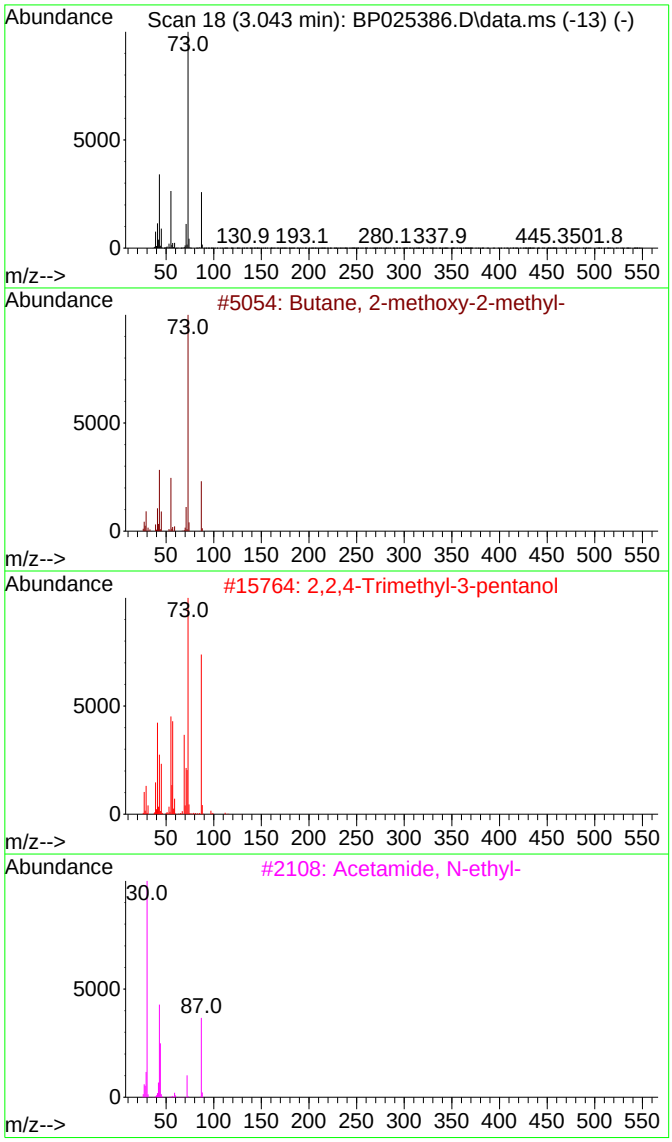
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

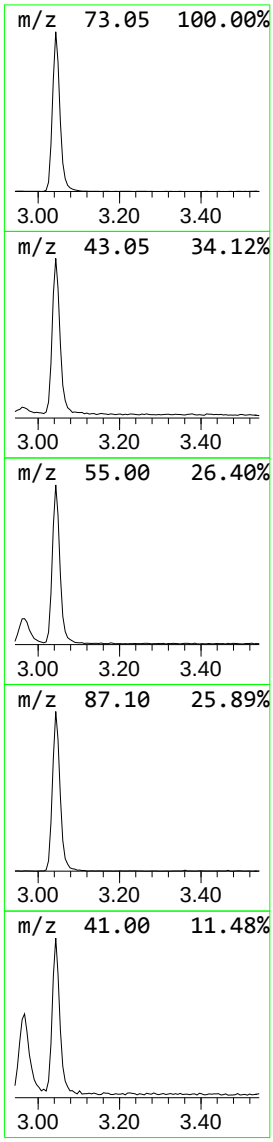
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	19.85 ng	1063920	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

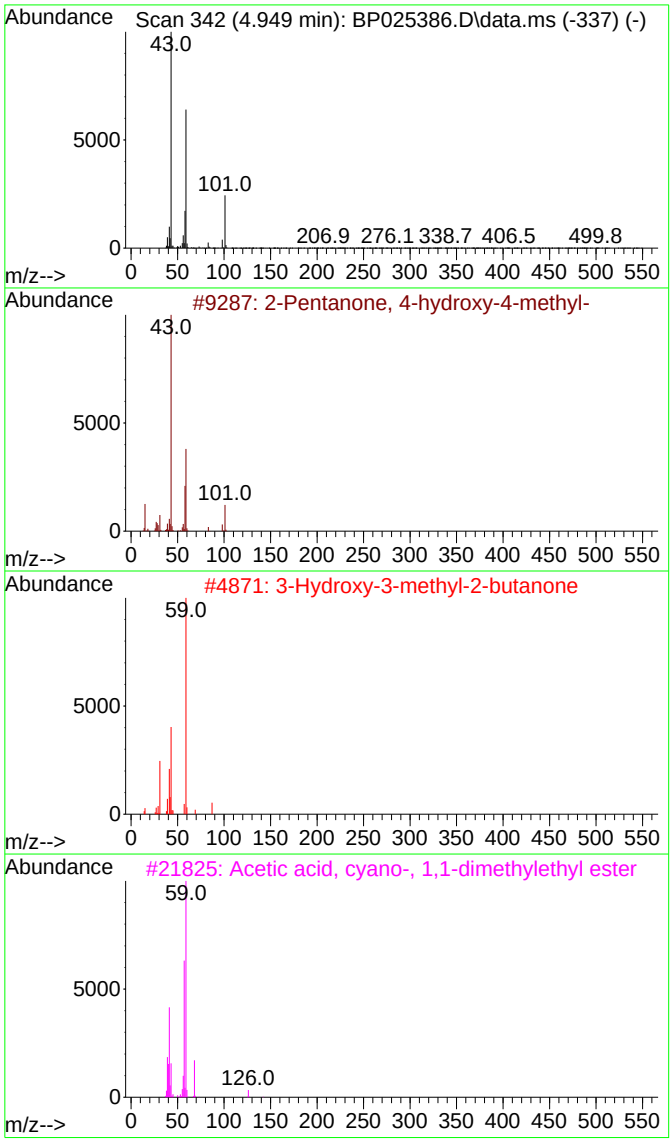
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

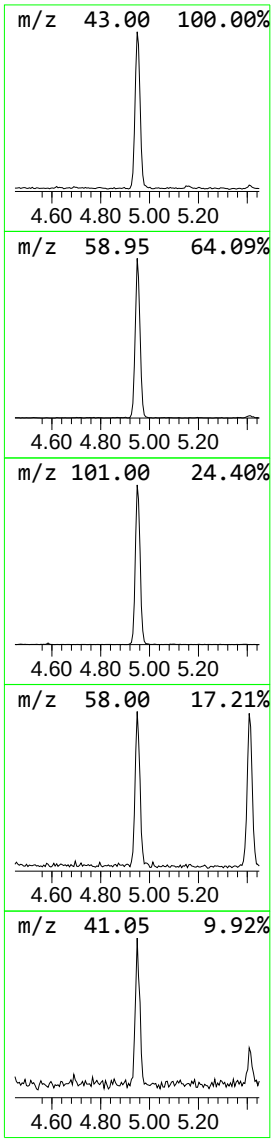
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.45 ng	238355	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

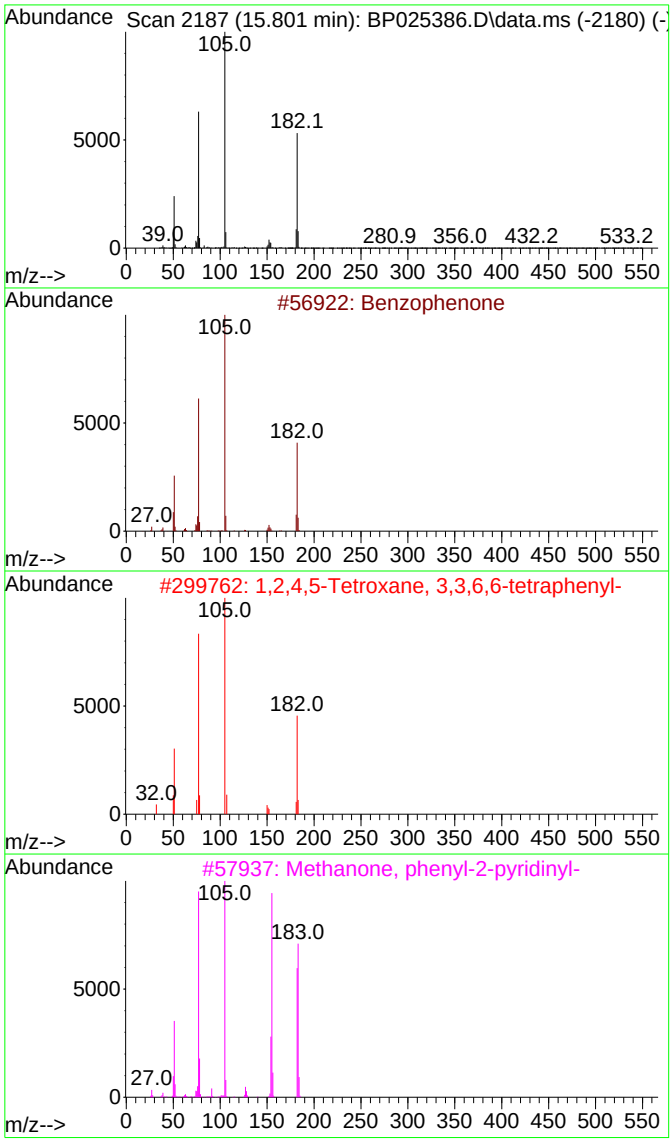
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

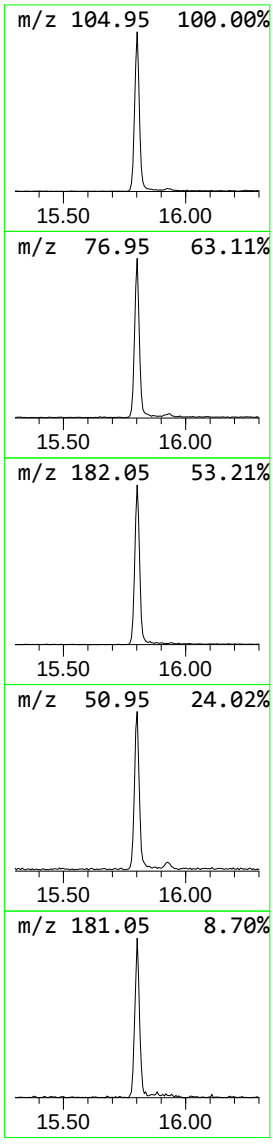
****

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.801	4.41 ng	428641	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	Azobenzene, (E)-	182	C12H10N2	017082-12-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

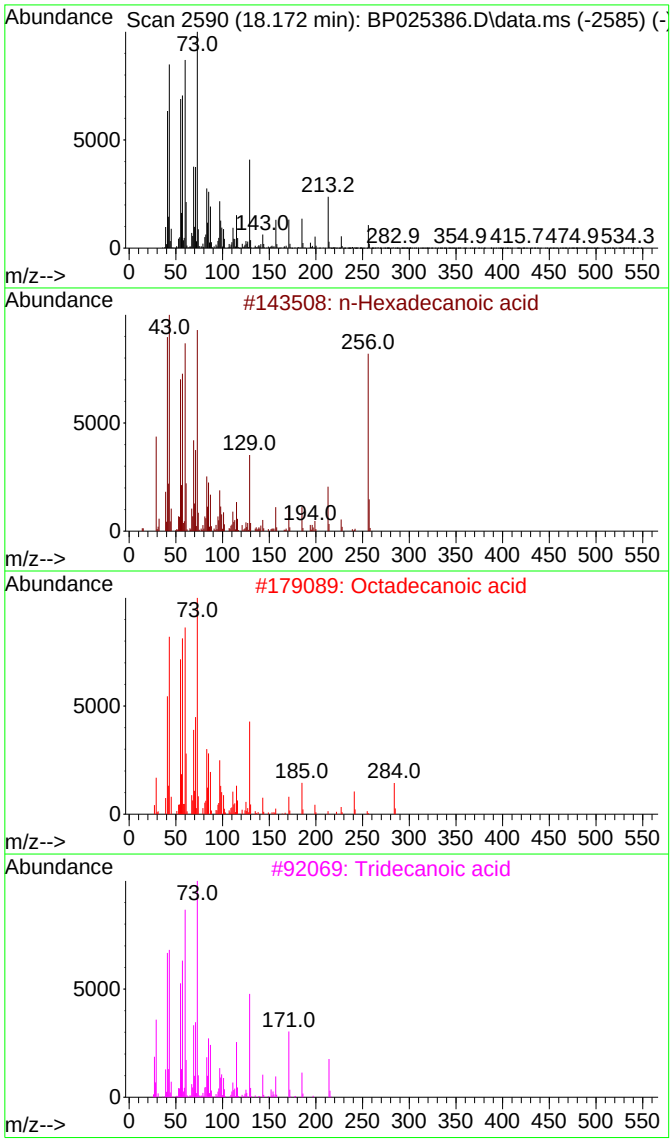
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

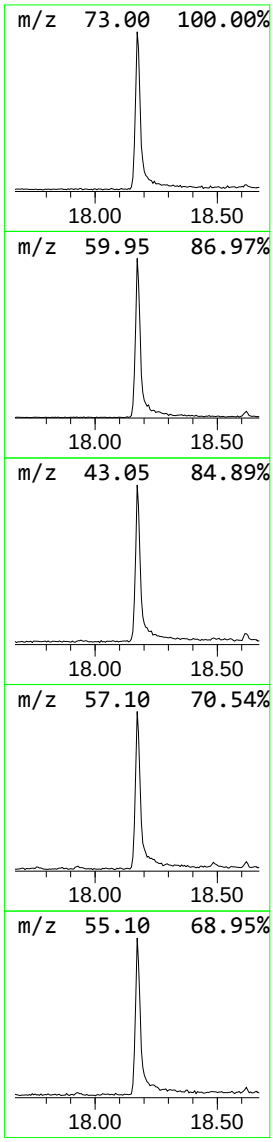
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	8.68 ng	971390	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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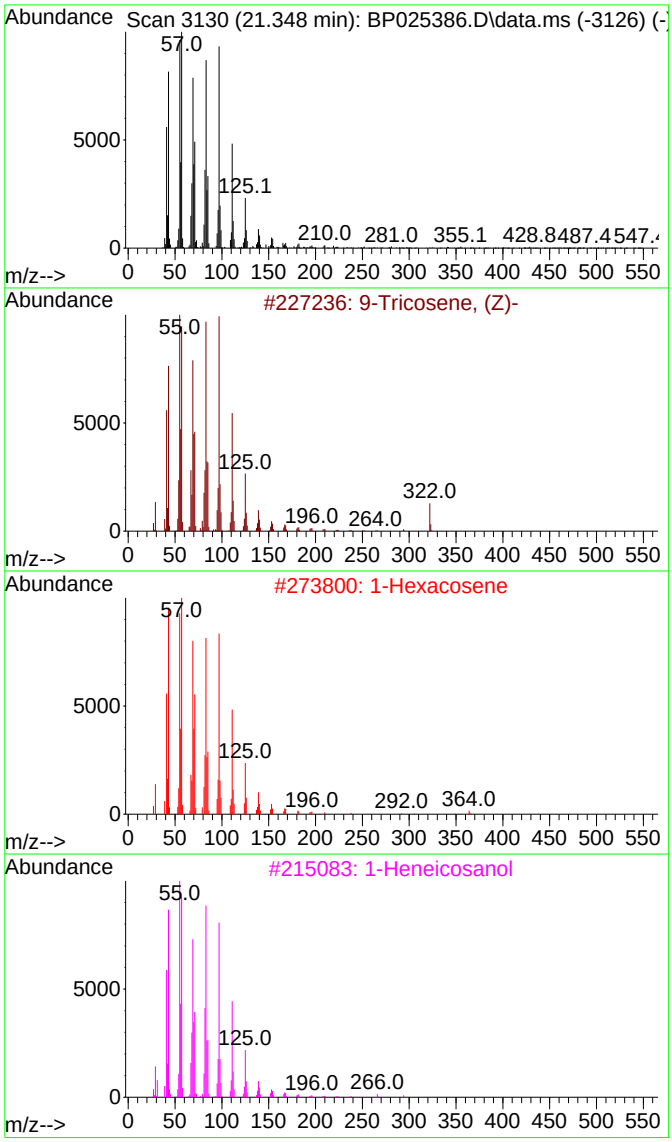
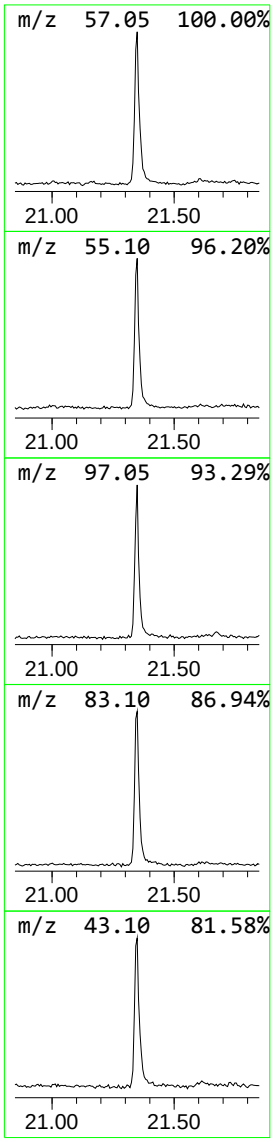
Peak Number 6 9-Tricosene, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.348	5.41 ng	748456	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
5	1-Tetracosene	336	C24H48	010192-32-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025386.D
Acq On : 13 Aug 2025 16:09
Operator : CG/JU
Sample : Q2820-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	19.9	ng	1063920	1	7.796	1072170	20.0
2-Pentanone, 4-...	4.949	4.5	ng	238355	1	7.796	1072170	20.0
Benzophenone	15.801	4.4	ng	428641	3	14.425	1943540	20.0
n-Hexadecanoic ...	18.172	8.7	ng	971390	4	17.225	2239340	20.0
9-Tricosene, (Z)-	21.348	5.4	ng	748456	5	21.677	2766800	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.8		35 - 115		48%	SPK: 150
13127-88-3	Phenol-d6	74.4		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		37 - 122		44%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.8	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		39 - 132		46%	SPK: 150
1718-51-0	Terphenyl-d14	42.1	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177000	7.79				
1146-65-2	Naphthalene-d8	742000	10.555				
15067-26-2	Acenaphthene-d10	489000	14.401				
1517-22-2	Phenanthrene-d10	940000	17.201				
1719-03-5	Chrysene-d12	937000	21.63				
1520-96-3	Perylene-d12	1070000	24.989				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025433.D
Acq On : 15 Aug 2025 18:58
Operator : CG/JU
Sample : Q2820-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Quant Time: Aug 18 01:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

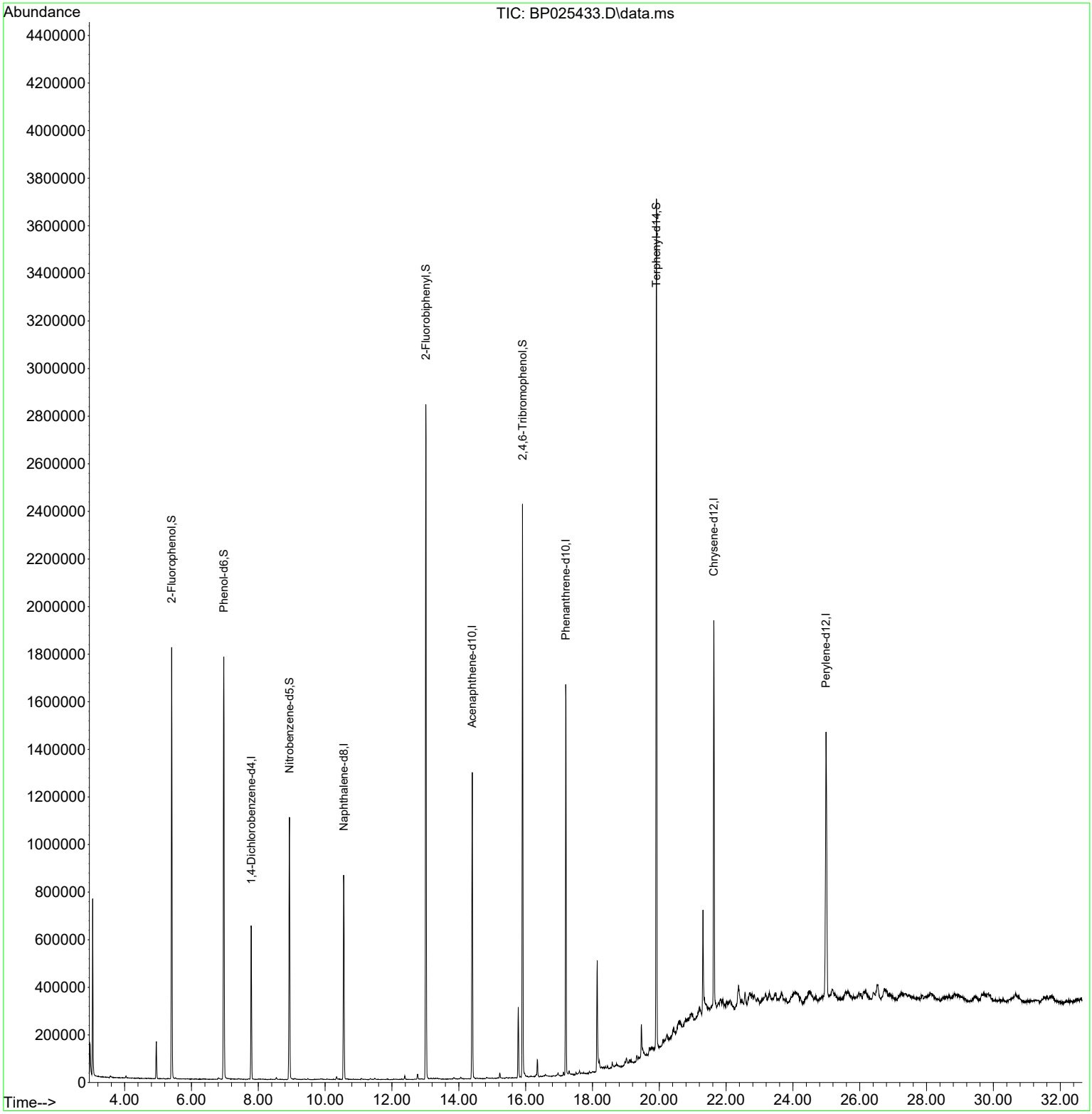
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	177461	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	741581	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	488704	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	940255	20.000	ng	0.00
76) Chrysene-d12	21.630	240	936586	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1067821	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	767097	71.786	ng	0.00
7) Phenol-d6	6.966	99	1019955	74.448	ng	0.00
23) Nitrobenzene-d5	8.931	82	646518	44.101	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	451925	68.703	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1495676	41.827	ng	0.00
79) Terphenyl-d14	19.913	244	2157477	42.145	ng	0.00
Target Compounds						Qvalue

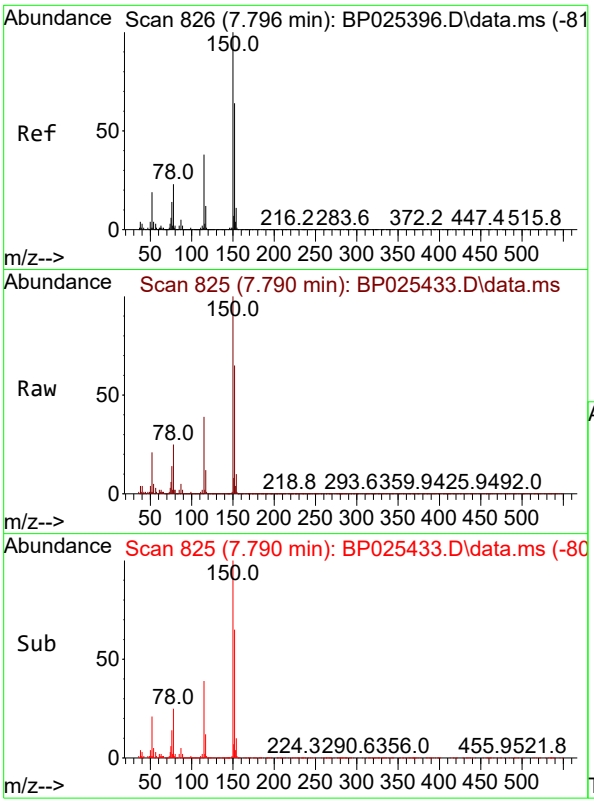
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025433.D
Acq On : 15 Aug 2025 18:58
Operator : CG/JU
Sample : Q2820-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Quant Time: Aug 18 01:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



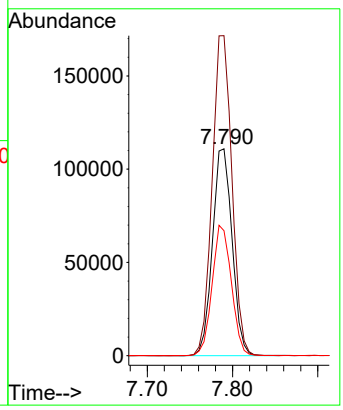


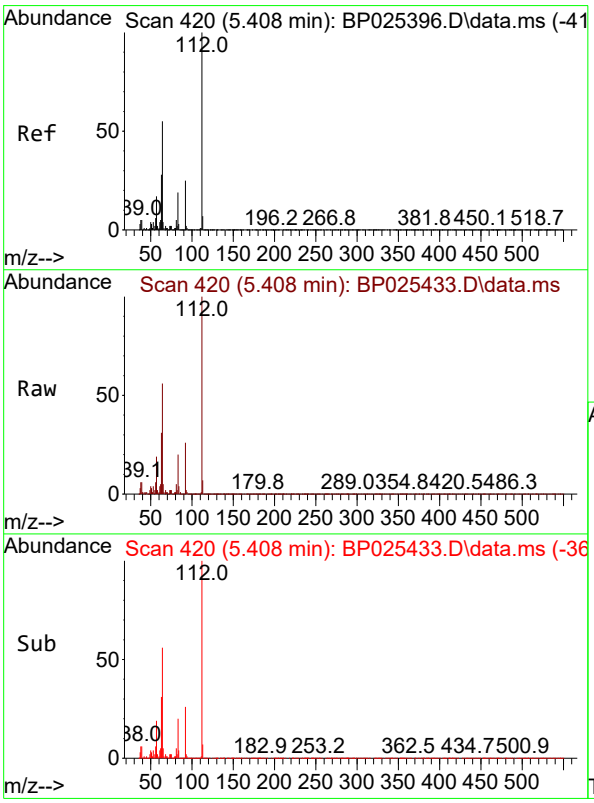
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion:152 Resp: 177461

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.9	188.9
115	60.4	48.5	72.7

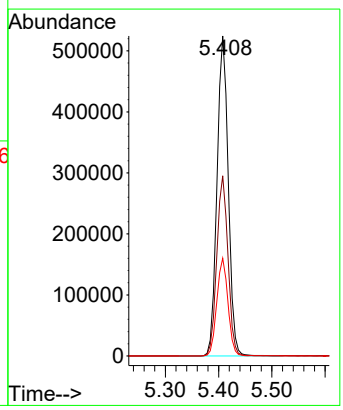


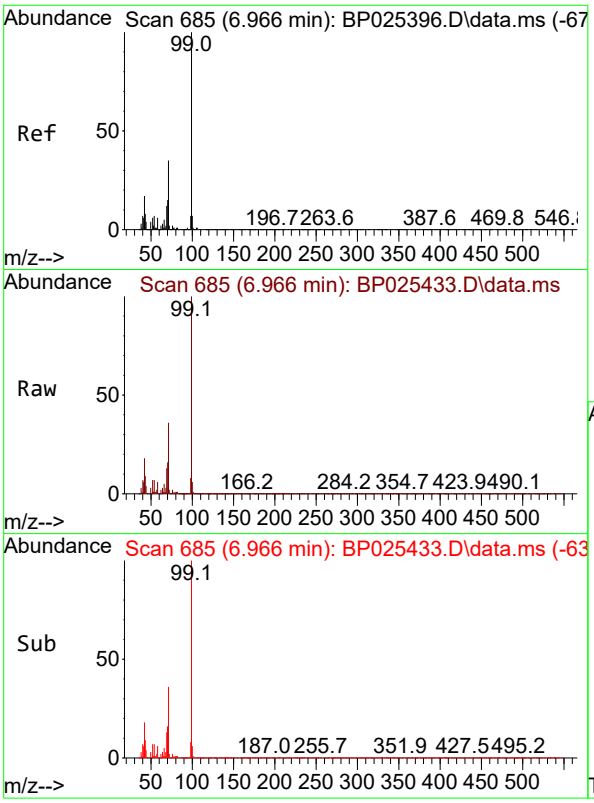


#5
2-Fluorophenol
Concen: 71.786 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:112 Resp: 767097

Ion	Ratio	Lower	Upper
112	100		
64	56.3	43.8	65.8
63	30.5	22.7	34.1



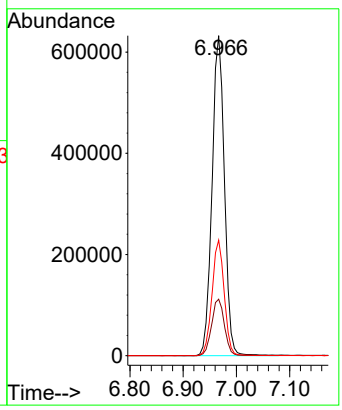


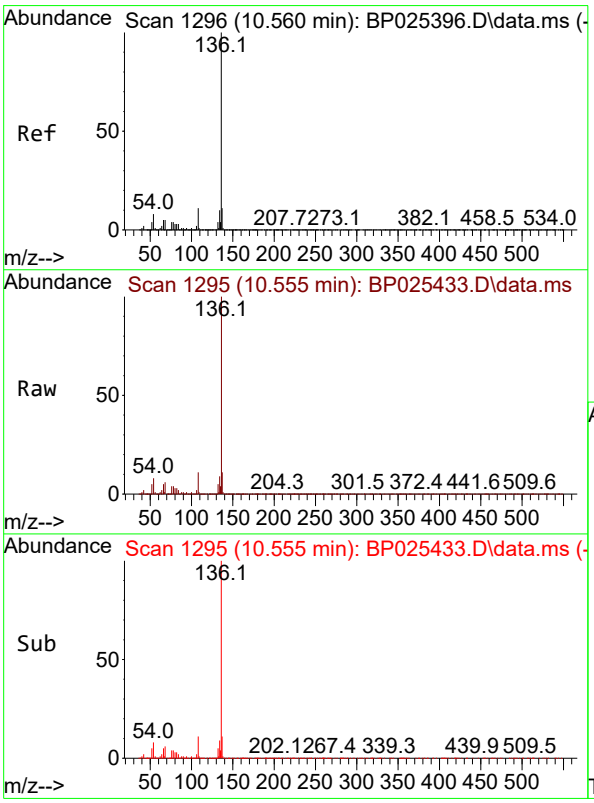
#7
Phenol-d6
Concen: 74.448 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion: 99 Resp: 1019955

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	36.1	28.2	42.4

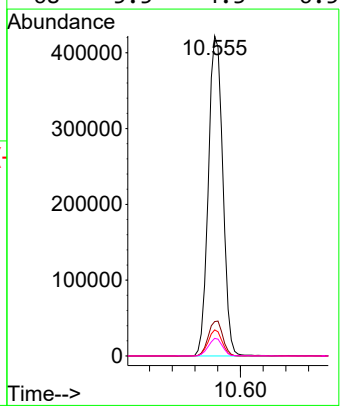


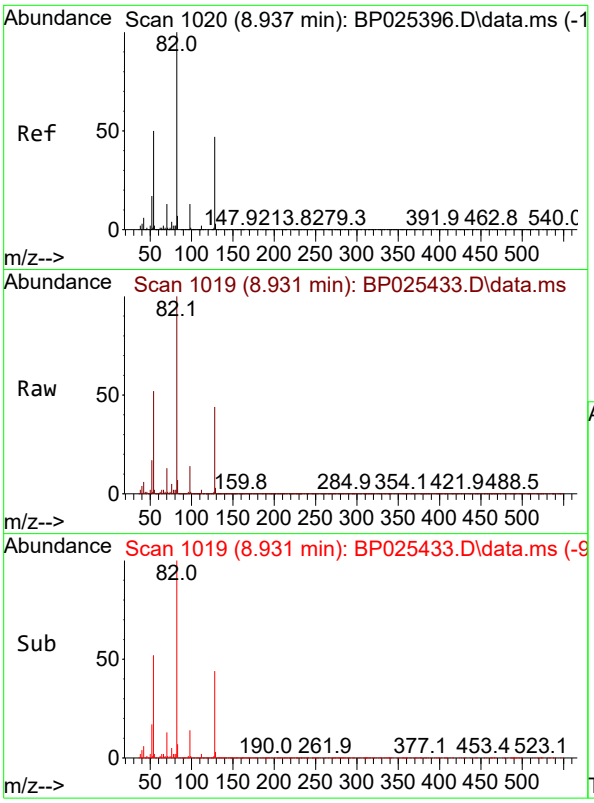


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:136 Resp: 741581

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.2	6.0	9.0
68	5.5	4.3	6.5



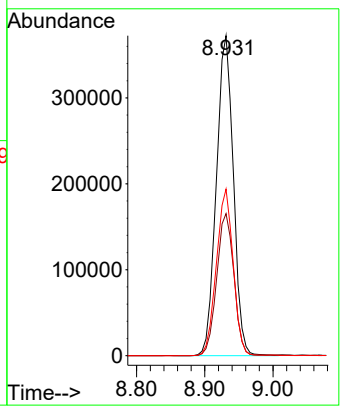


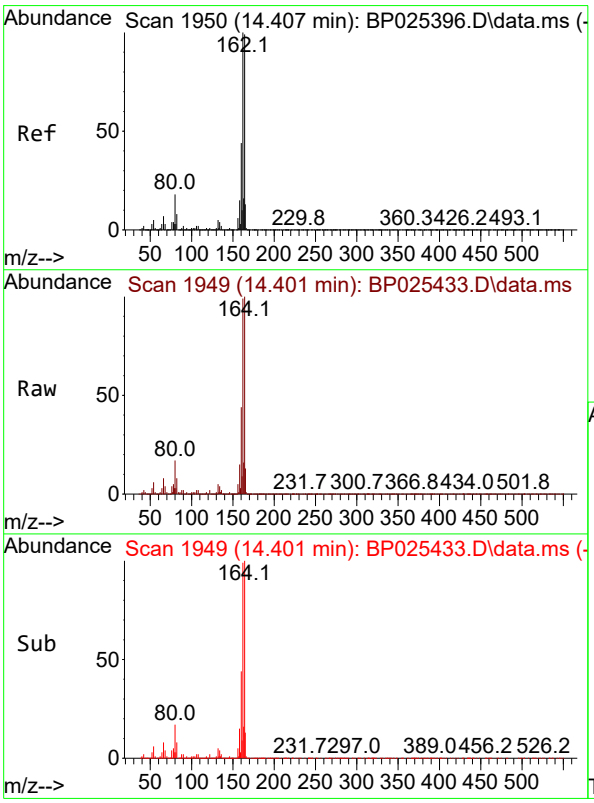
#23
Nitrobenzene-d5
Concen: 44.101 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion: 82 Resp: 646518

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.7	56.5
54	52.1	39.8	59.6

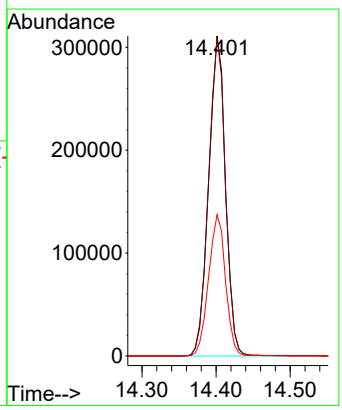


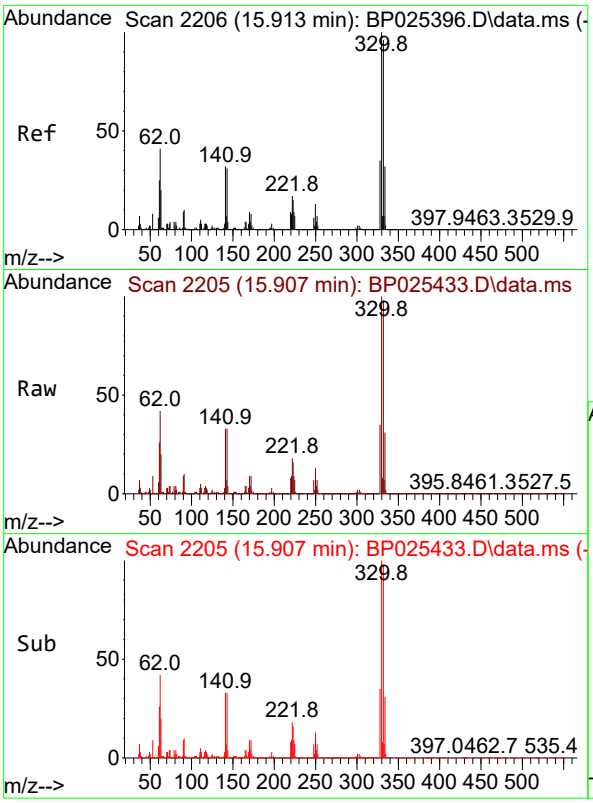


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:164 Resp: 488704

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.0	121.6
160	44.2	35.4	53.2



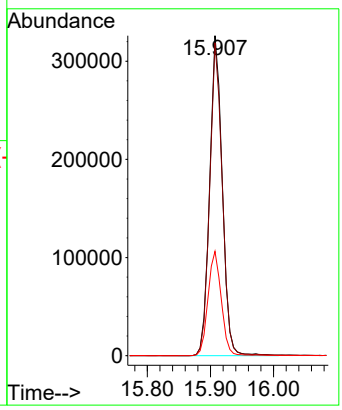


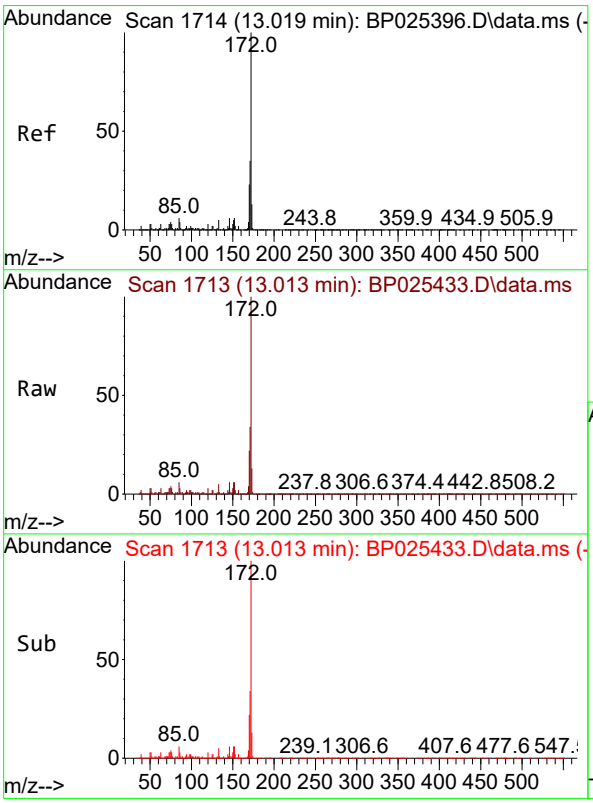
#42
2,4,6-Tribromophenol
Concen: 68.703 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion:330 Resp: 451925

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	34.4	26.6	39.8

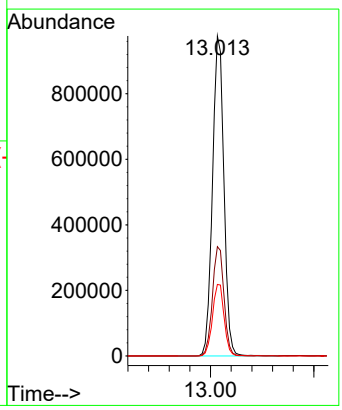


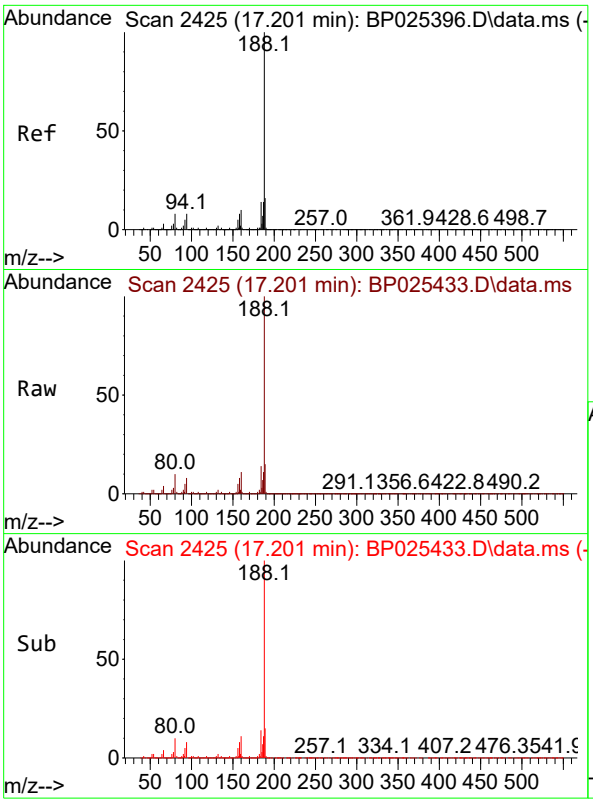


#45
2-Fluorobiphenyl
Concen: 41.827 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:172 Resp: 1495676

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	22.4	18.6	28.0



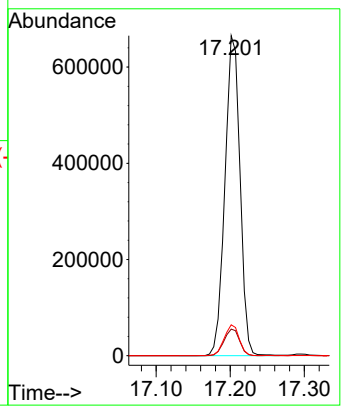


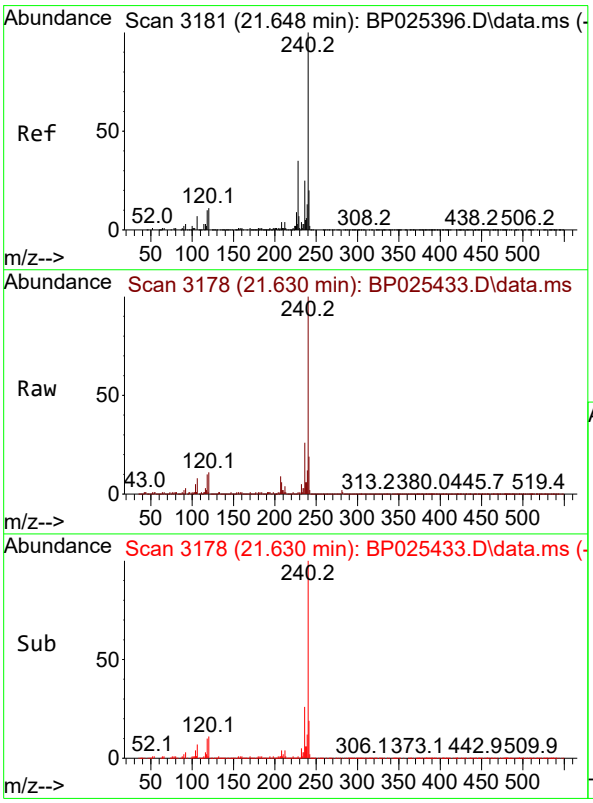
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion:188 Resp: 940255

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.6	6.7	10.1

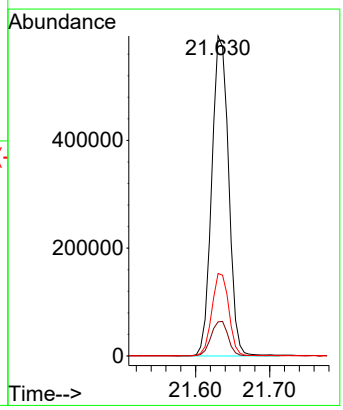


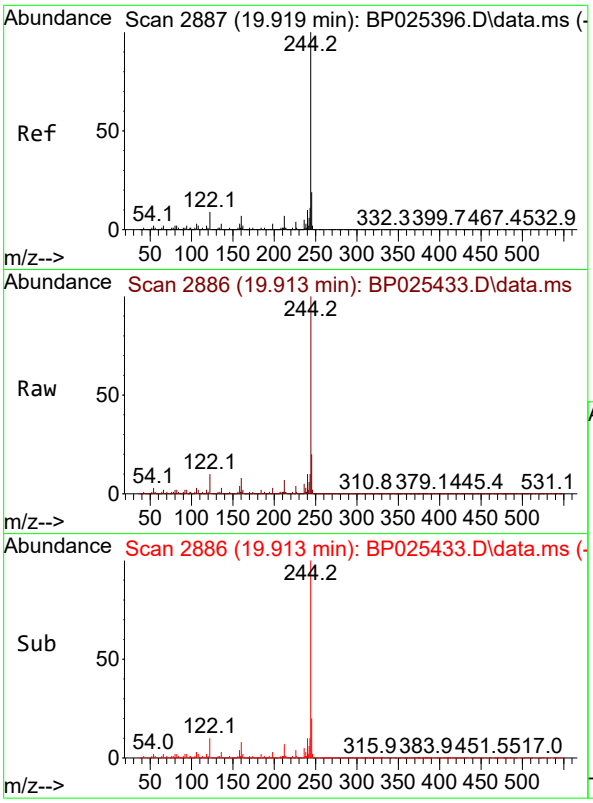


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:240 Resp: 936586

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.7	19.8	29.8



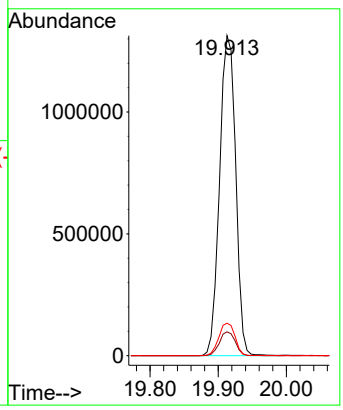


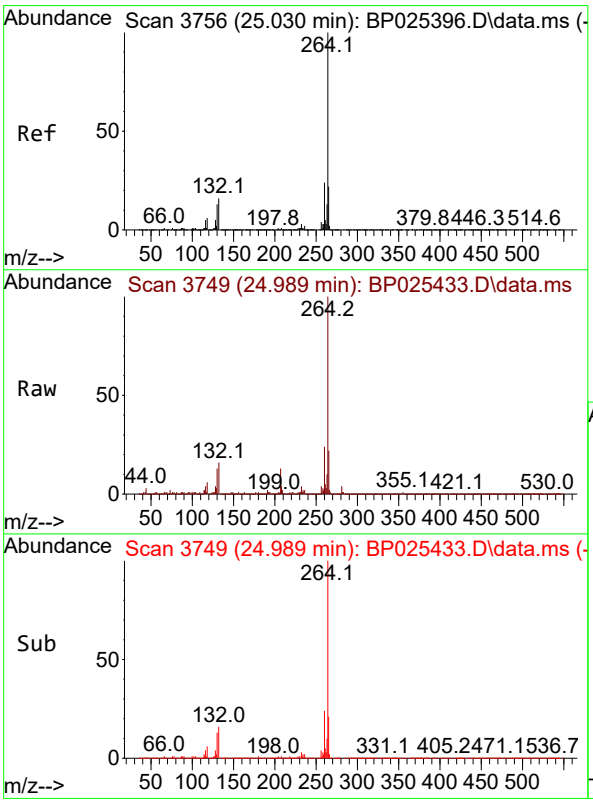
#79
Terphenyl-d14
Concen: 42.145 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
82H-SRE

Tgt Ion:244 Resp: 2157477

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.2	7.4	11.2

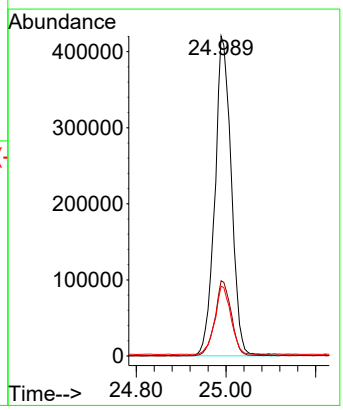




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025433.D
Acq: 15 Aug 2025 18:58

Tgt Ion:264 Resp: 1067821

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.8	17.4	26.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	190	320	390	ug/Kg
108-95-2	Phenol	160	U	26.4	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.1	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.2	160	200	ug/Kg
95-48-7	2-Methylphenol	160	U	35.7	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	44.8	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.3	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	49.1	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.6	U	56.7	95.6	95.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.0	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	21.9	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.2	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	69.6	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	77.5	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	36.8	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	33.8	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.1	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.3	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.2	160	200	ug/Kg
105-60-2	Caprolactam	320	U	62.3	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.3	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.6	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	34.8	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.1	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	26.9	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.5	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.4	160	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.6	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.2	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.0	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.5	160	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	160	U	27.1	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	59.9	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	33.8	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	31.9	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.2	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	76.8	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.3	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.2	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.2	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.7	160	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	61.3	320	390	ug/Kg
85-01-8	Phenanthrene	160	U	25.0	160	200	ug/Kg
120-12-7	Anthracene	160	U	39.8	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.3	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.3	160	200	ug/Kg
206-44-0	Fluoranthene	160	U	35.9	160	200	ug/Kg
129-00-0	Pyrene	160	U	43.0	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	85.4	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.9	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.5	160	200	ug/Kg
218-01-9	Chrysene	160	U	23.8	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	70.8	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.7	160	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	26.8	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.3	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	34.8	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	32.8	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	30.7	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.6	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.0	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	32.8	160	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.3		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	72.6		34 - 127		48%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.8		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		39 - 132		70%	SPK: 150
1718-51-0	Terphenyl-d14	45.5	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172000	7.802				
1146-65-2	Naphthalene-d8	681000	10.572				
15067-26-2	Acenaphthene-d10	418000	14.419				
1517-22-2	Phenanthrene-d10	829000	17.225				
1719-03-5	Chrysene-d12	902000	21.677				
1520-96-3	Perylene-d12	1040000	25.071				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	890	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB			4.95	ug/Kg
000119-61-9	Benzophenone	190	J			15.8	ug/Kg
	unknown16.354	120	J			16.4	ug/Kg
	unknown16.619	110	J			16.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J			18.2	ug/Kg
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamalde	82.9	J			18.4	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
020675-96-1	trans-Sinapyl alcohol	170	J			18.5	ug/Kg
000057-11-4	Octadecanoic acid	230	J			19.5	ug/Kg
018835-33-1	1-Hexacosene	220	J			21.4	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Time: Aug 13 12:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

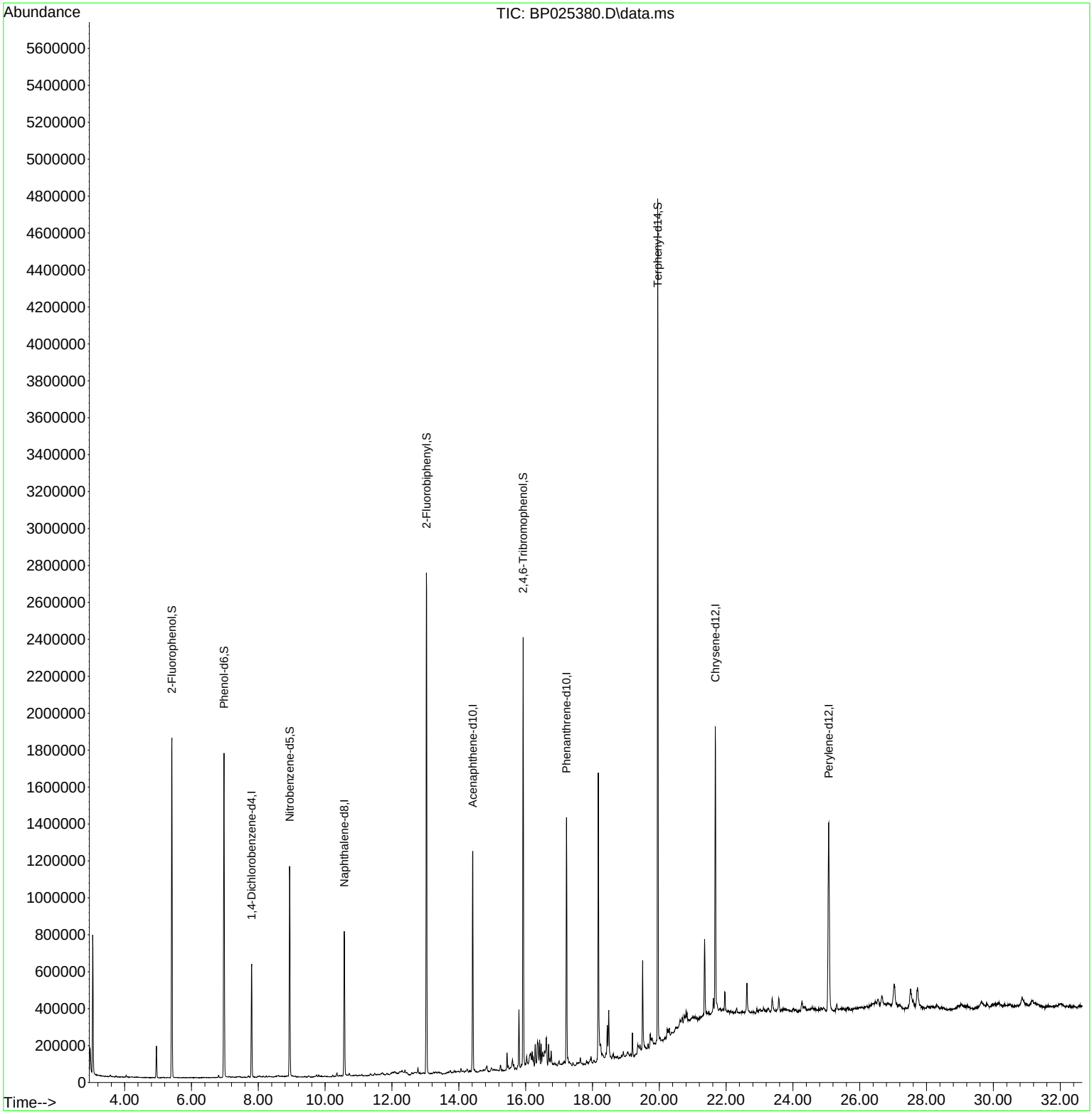
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	171862	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	680768	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	418215	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	828576	20.000	ng	0.00
76) Chrysene-d12	21.677	240	902451	20.000	ng	0.02
86) Perylene-d12	25.071	264	1042273	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	825808	77.283	ng	0.00
7) Phenol-d6	6.972	99	1020820	72.589	ng	0.00
23) Nitrobenzene-d5	8.937	82	644779	52.472	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	440922	105.682	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1387903	45.837	ng	0.00
79) Terphenyl-d14	19.954	244	2175182	45.525	ng	0.01
Target Compounds						Qvalue

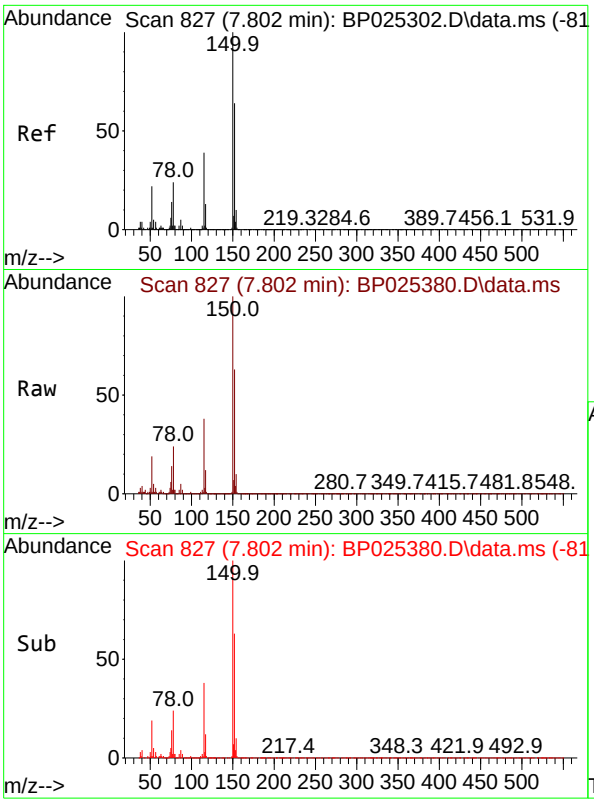
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Time: Aug 13 12:25:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



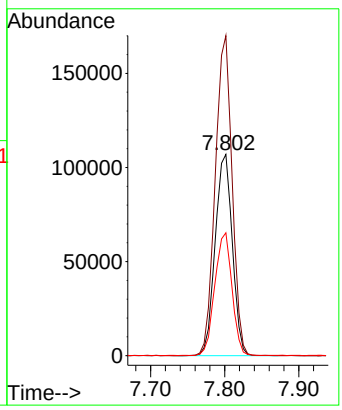


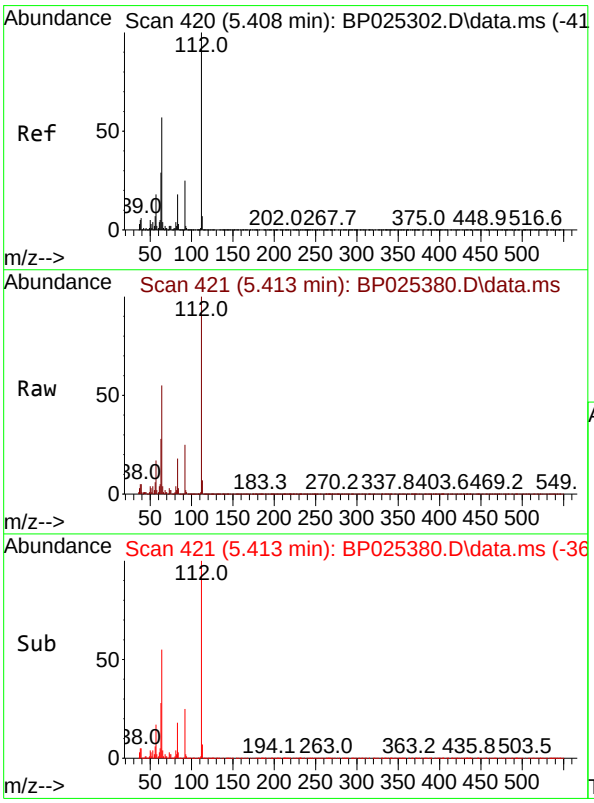
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion:152 Resp: 171862

Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.1	187.7
115	61.1	48.4	72.6

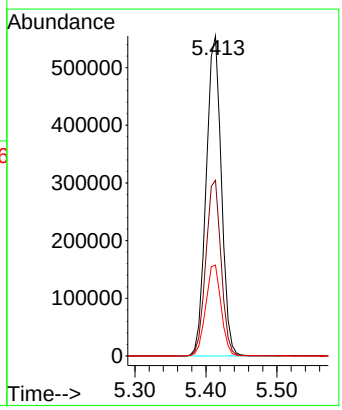


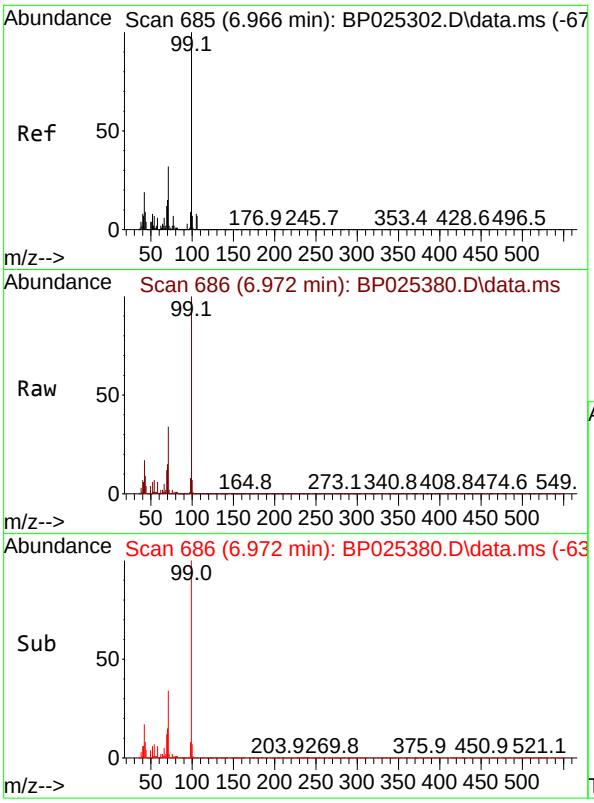


#5
2-Fluorophenol
Concen: 77.283 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:112 Resp: 825808

Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.3	67.9
63	28.4	23.0	34.6



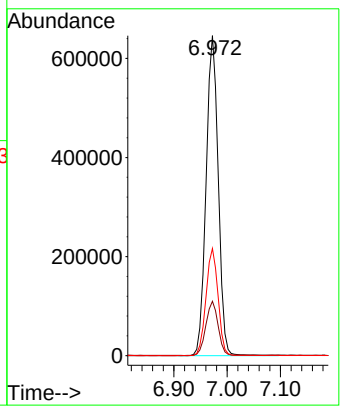


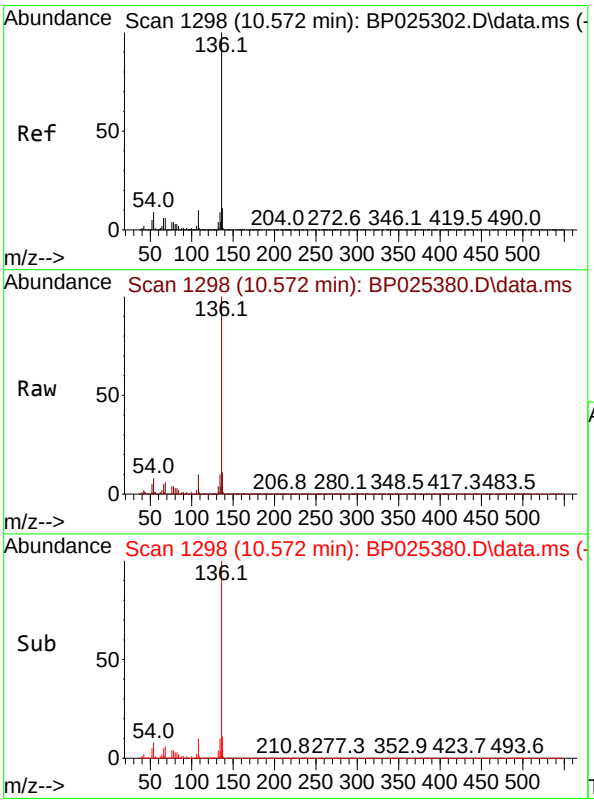
#7
Phenol-d6
Concen: 72.589 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion: 99 Resp: 1020820

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.6
71	33.5	25.5	38.3

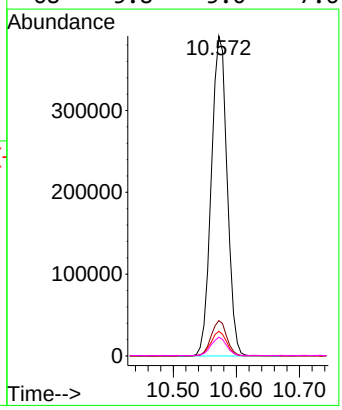


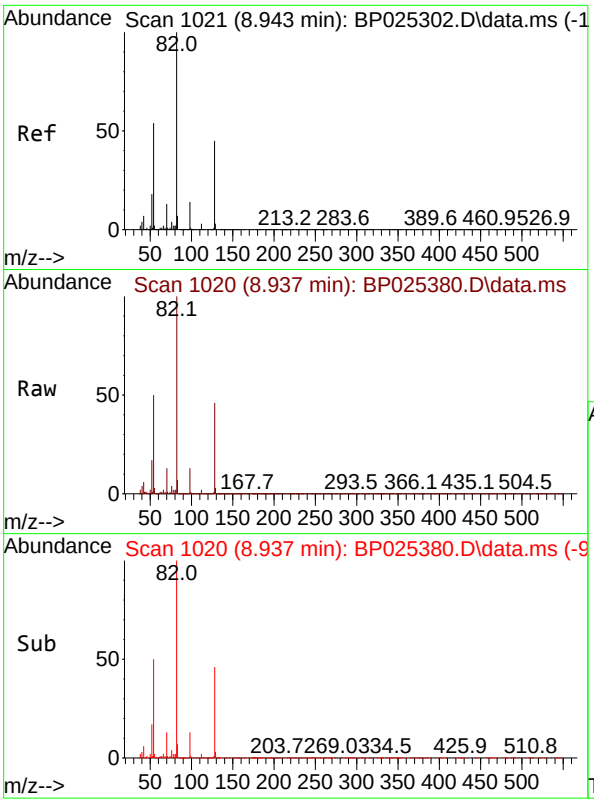


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:136 Resp: 680768

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	7.0	10.6
68	5.8	5.0	7.6



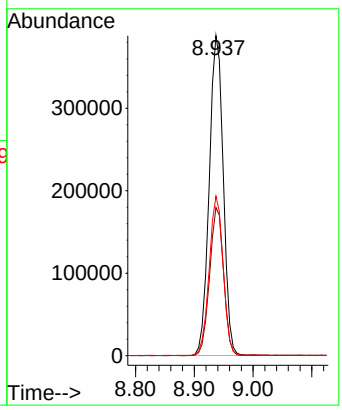


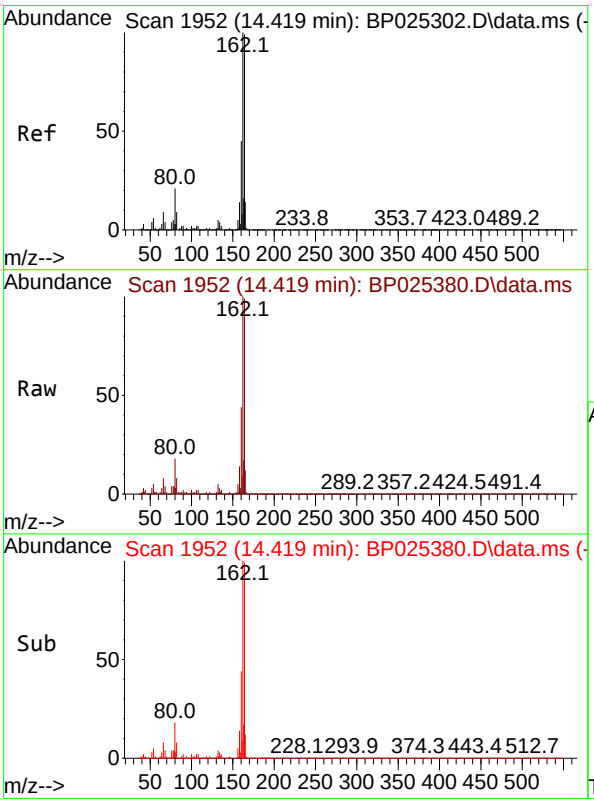
#23
Nitrobenzene-d5
Concen: 52.472 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion: 82 Resp: 644779

Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.4	53.2
54	49.9	42.9	64.3

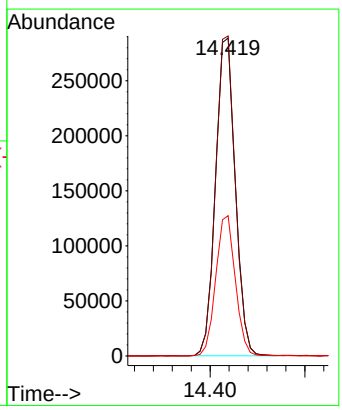


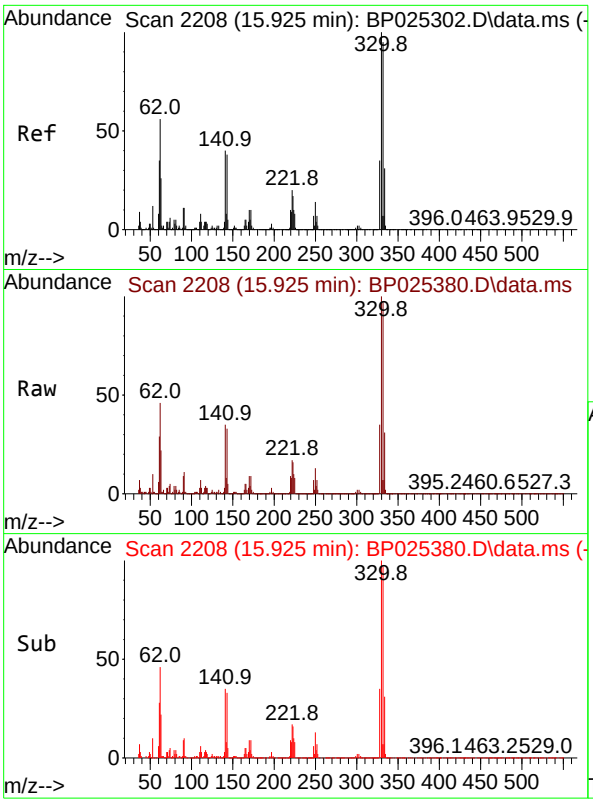


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:164 Resp: 418215

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.2	35.9	53.9



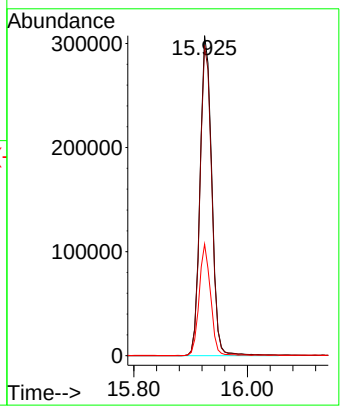


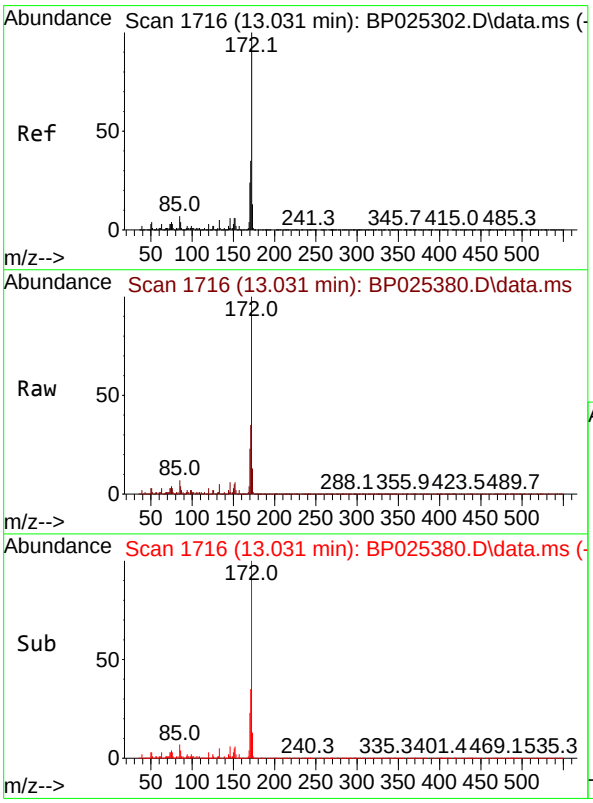
#42
2,4,6-Tribromophenol
Concen: 105.682 ng
RT: 15.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion:330 Resp: 440922

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	33.8	31.7	47.5

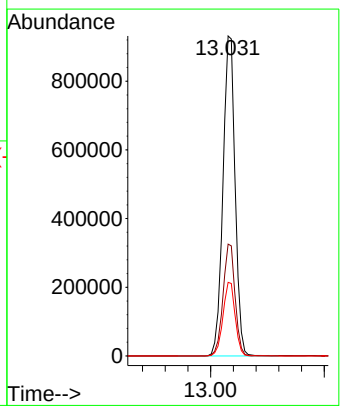


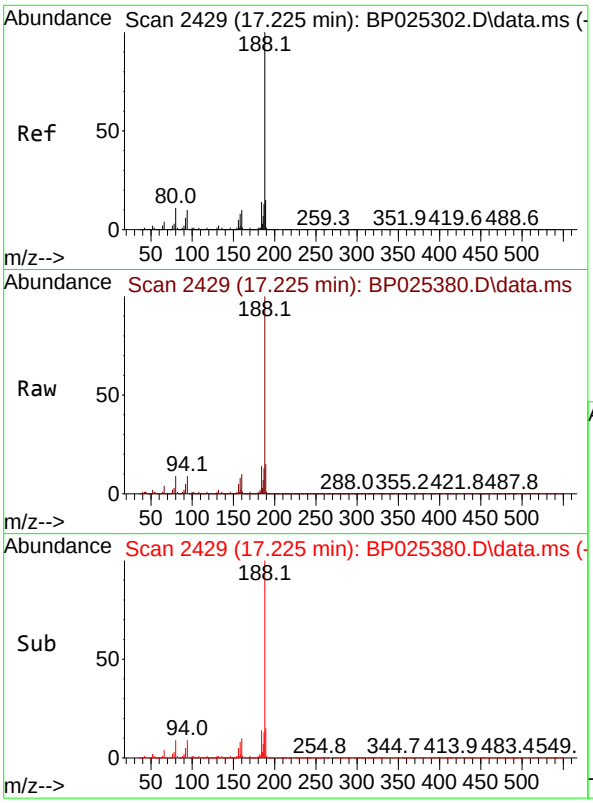


#45
2-Fluorobiphenyl
Concen: 45.837 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:172 Resp: 1387903

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.0	18.9	28.3



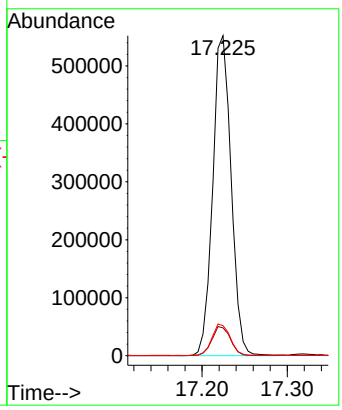


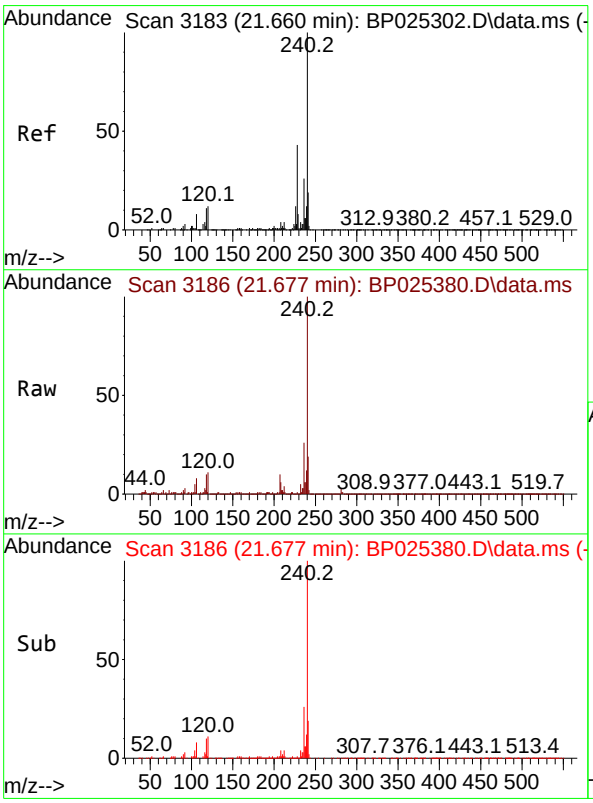
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion:188 Resp: 828576

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	9.4	8.5	12.7

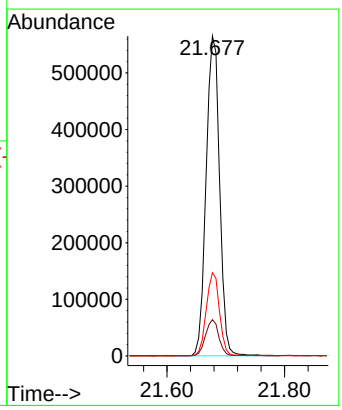


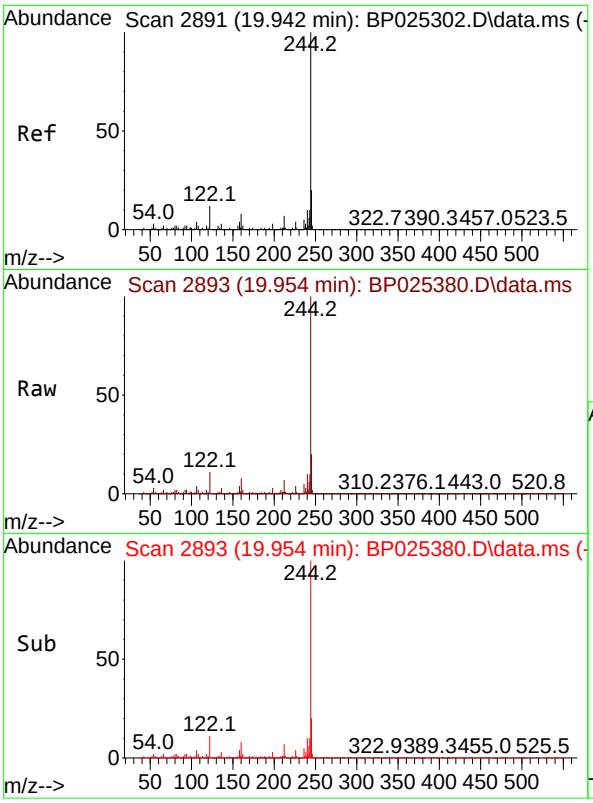


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:240 Resp: 902451

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	26.0	20.4	30.6



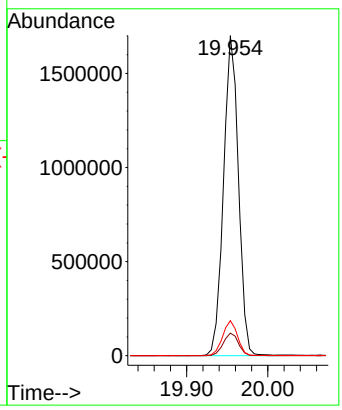


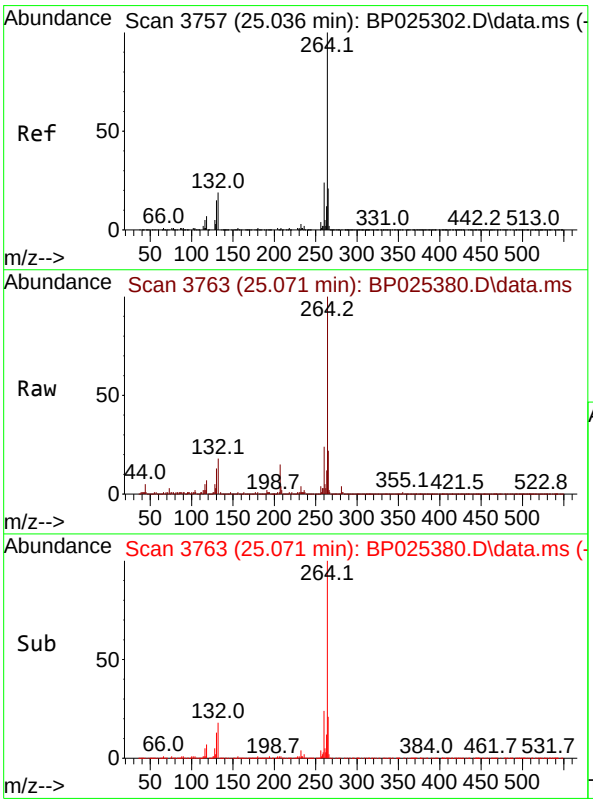
#79
Terphenyl-d14
Concen: 45.525 ng
RT: 19.954 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Instrument :
BNA_P
ClientSampleId :
82H-W

Tgt Ion:244 Resp: 2175182

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.9	9.5	14.3

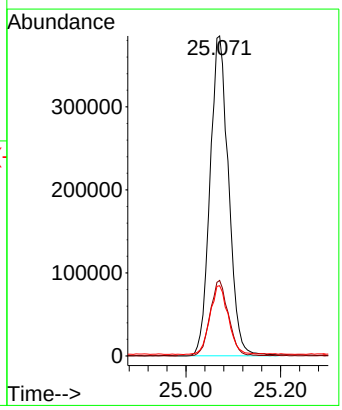




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025380.D
Acq: 13 Aug 2025 11:59

Tgt Ion:264 Resp: 1042273

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025380.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB3	125453	205010	3.51%	0.510%
2	3.043	13	18	32	rVB	758013	1107095	18.96%	2.756%
3	4.949	337	342	350	rVB	173099	254842	4.37%	0.634%
4	5.413	413	421	428	rBV	1841120	2765613	47.37%	6.885%
5	6.972	677	686	696	rBV	1757666	2810051	48.13%	6.996%
6	7.802	818	827	834	rBV	614319	996010	17.06%	2.480%
7	8.937	1013	1020	1032	rVB	1137129	1888165	32.34%	4.701%
8	10.572	1291	1298	1306	rBV	783672	1369004	23.45%	3.408%
9	13.031	1709	1716	1728	rBV	2710753	4009379	68.68%	9.982%
10	14.419	1943	1952	1959	rBV	1194047	1789275	30.65%	4.455%
11	15.442	2121	2126	2130	rBV	95055	137699	2.36%	0.343%
12	15.607	2148	2154	2158	rBV3	40226	71409	1.22%	0.178%
13	15.801	2182	2187	2194	rVB	313246	429714	7.36%	1.070%
14	15.925	2203	2208	2218	rVB	2317530	3218557	55.13%	8.013%
15	16.031	2222	2226	2234	rBV5	45306	74582	1.28%	0.186%
16	16.195	2251	2254	2258	rVB	48502	59471	1.02%	0.148%
17	16.289	2265	2270	2275	rBV	115454	184328	3.16%	0.459%
18	16.354	2276	2281	2288	rBV3	119281	306996	5.26%	0.764%
19	16.419	2288	2292	2296	rVB2	130519	174302	2.99%	0.434%
20	16.460	2296	2299	2303	rBV	107448	141383	2.42%	0.352%
21	16.507	2303	2307	2310	rBV3	48313	82439	1.41%	0.205%
22	16.619	2322	2326	2333	rVB3	147963	281324	4.82%	0.700%
23	16.689	2333	2338	2342	rBV	111747	159965	2.74%	0.398%
24	16.766	2347	2351	2357	rVB2	73946	117501	2.01%	0.293%
25	17.225	2423	2429	2435	rBV2	1330474	2032751	34.82%	5.061%
26	18.177	2585	2591	2599	rBV	1550027	2349224	40.24%	5.849%
27	18.442	2632	2636	2639	rBV	154546	211280	3.62%	0.526%
28	18.489	2639	2644	2652	rVB	253196	427296	7.32%	1.064%
29	19.195	2761	2764	2772	rVB	130537	164948	2.83%	0.411%
30	19.501	2812	2816	2826	rBV	475924	688628	11.80%	1.714%
31	19.730	2852	2855	2858	rBV	60167	82034	1.41%	0.204%
32	19.954	2888	2893	2901	rBV	4557011	5837900	100.00%	14.534%
33	21.354	3127	3131	3142	rVB2	401834	683075	11.70%	1.701%
34	21.677	3180	3186	3193	rBV2	1526997	2428323	41.60%	6.046%
35	25.071	3755	3763	3776	rVB	1007479	2627328	45.00%	6.541%

Sample Results: **BP025380.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 40166901

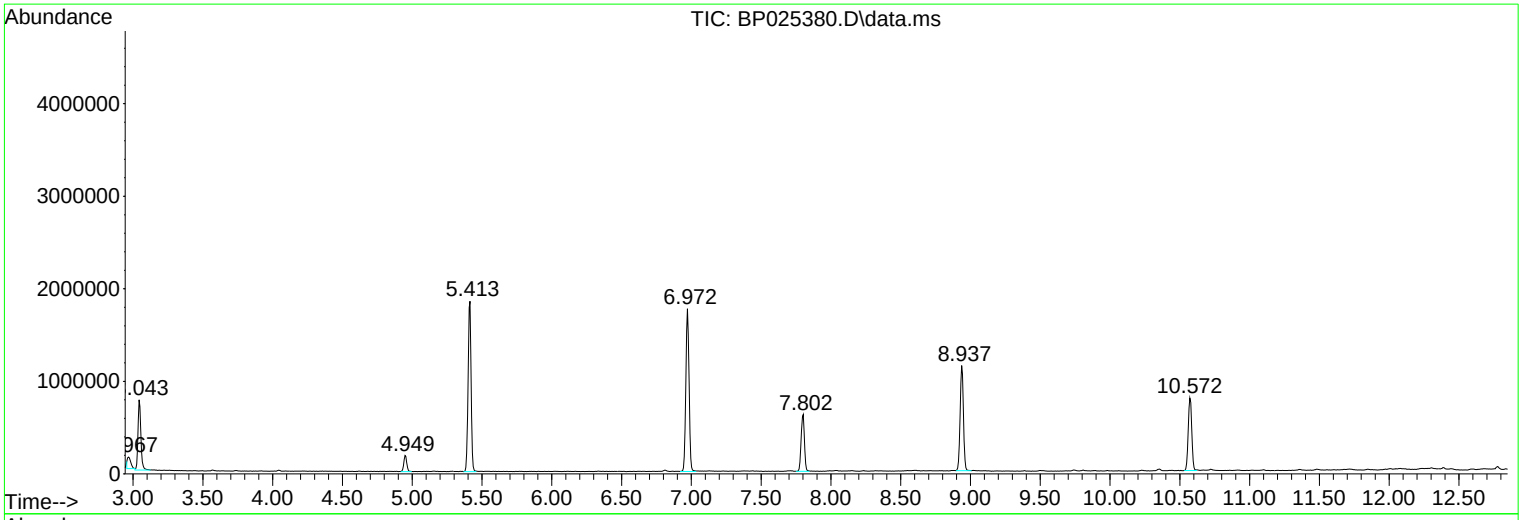
Sample Results: **BP025380.D**

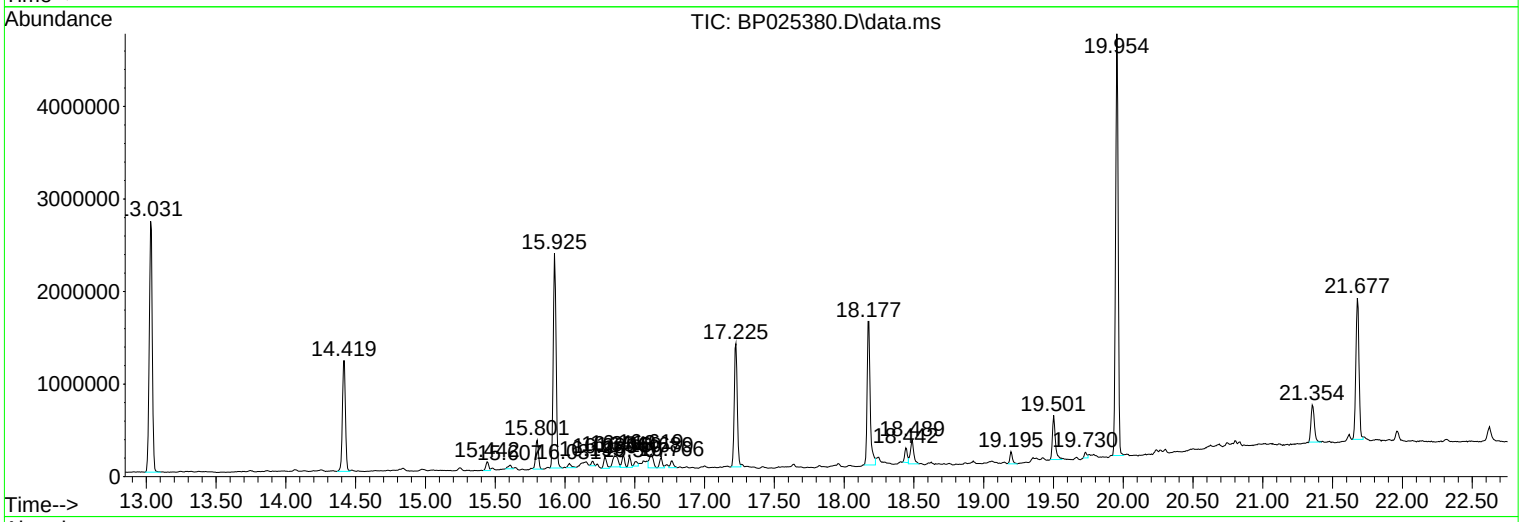
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

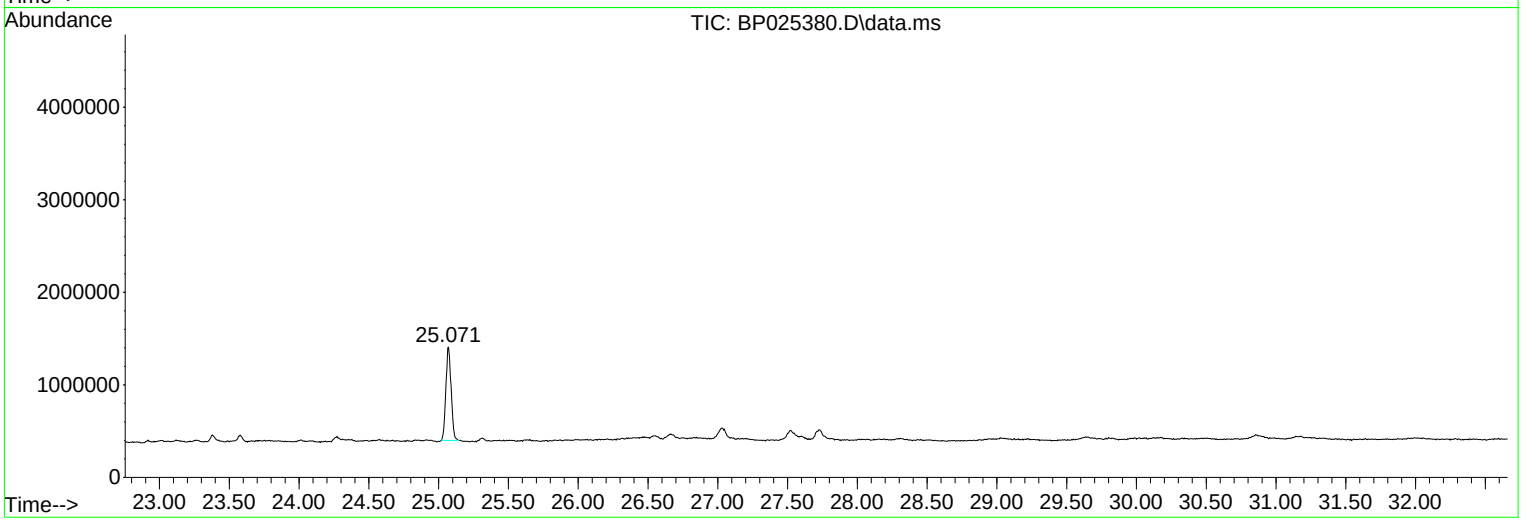
Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

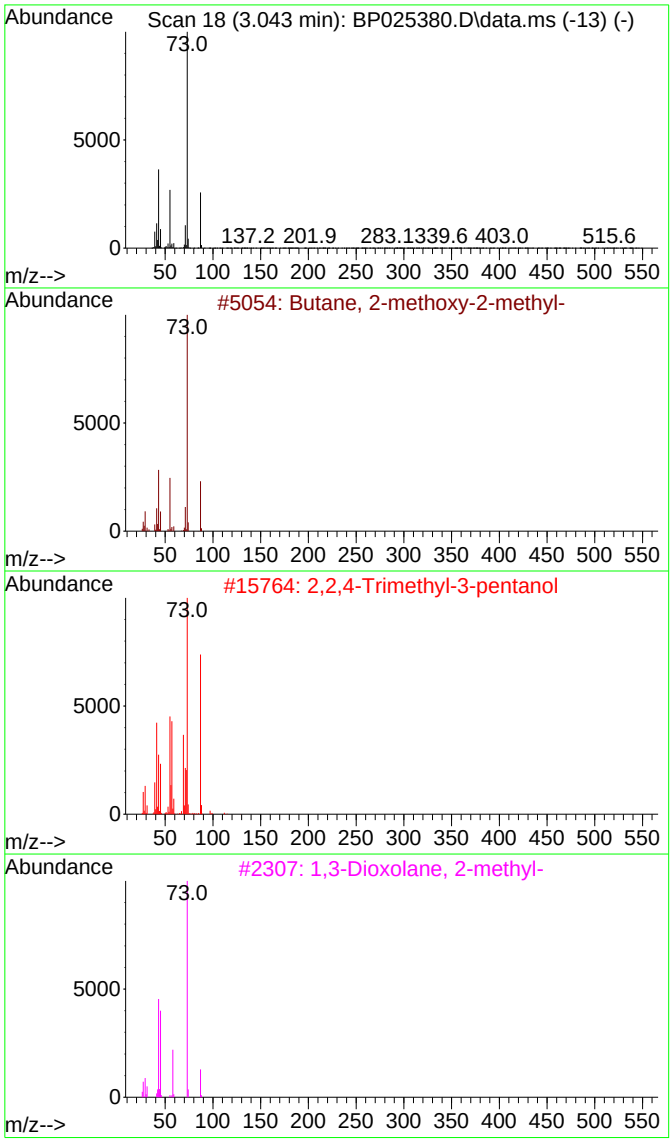
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

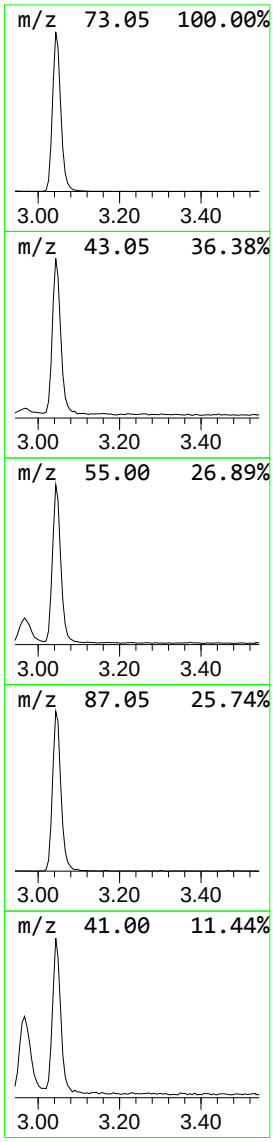
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	22.23 ng	1107100	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

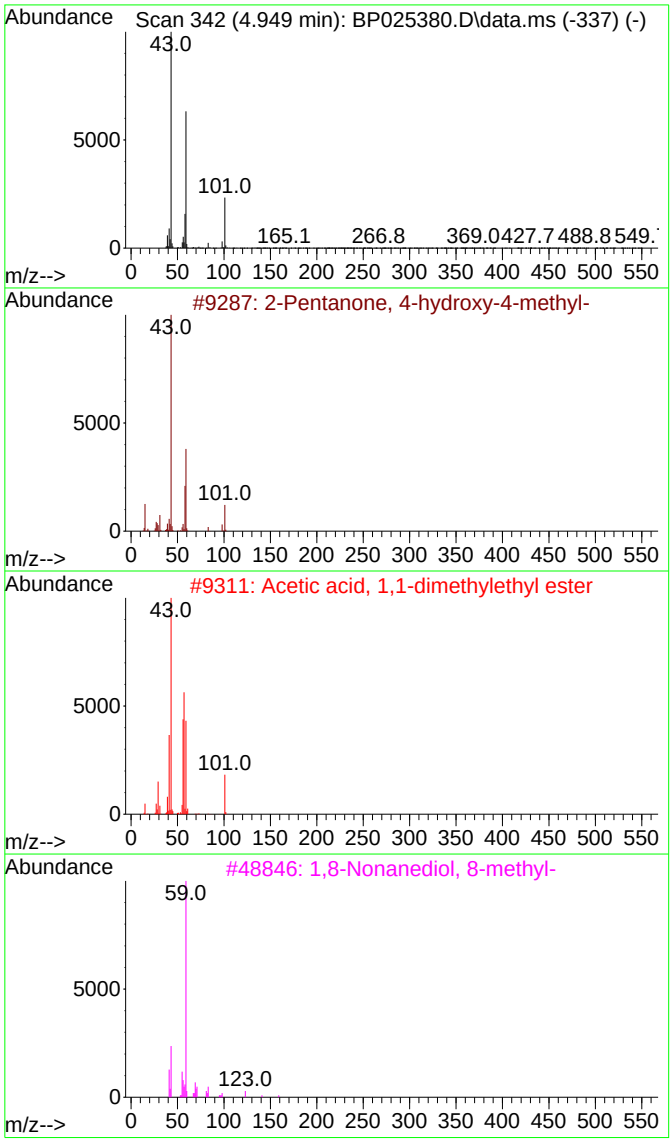
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

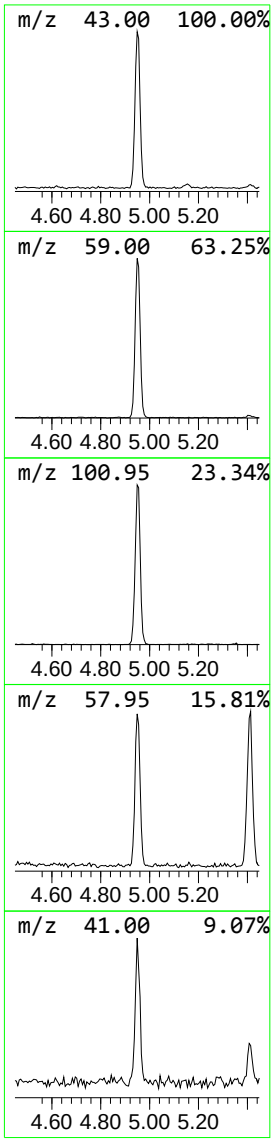
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	5.12 ng	254842	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

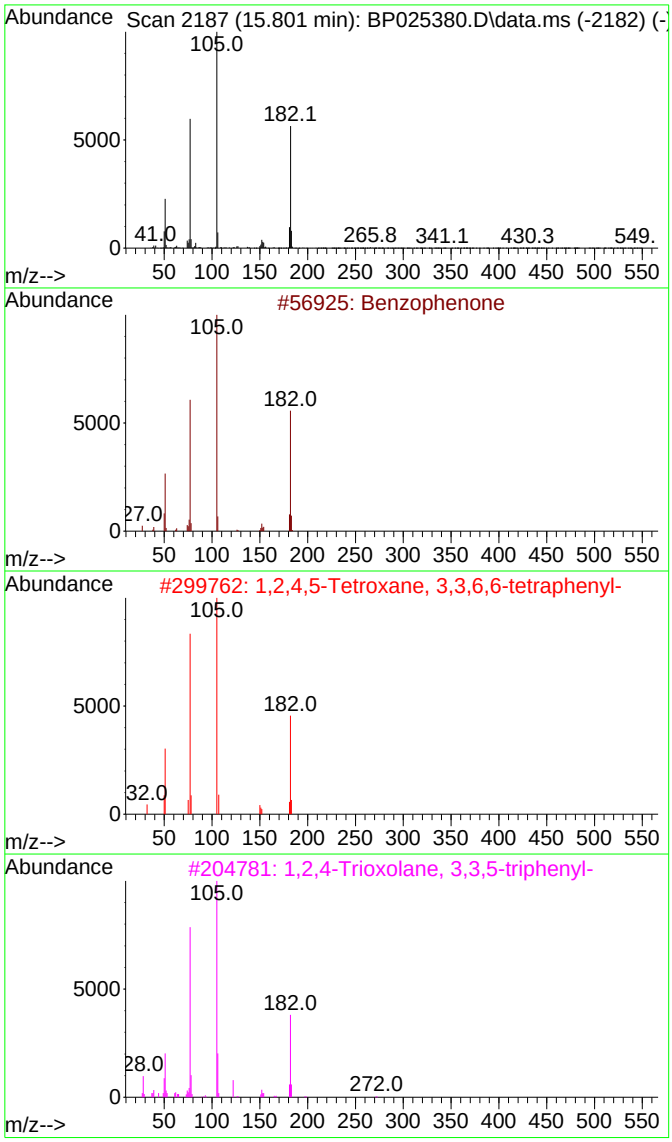
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

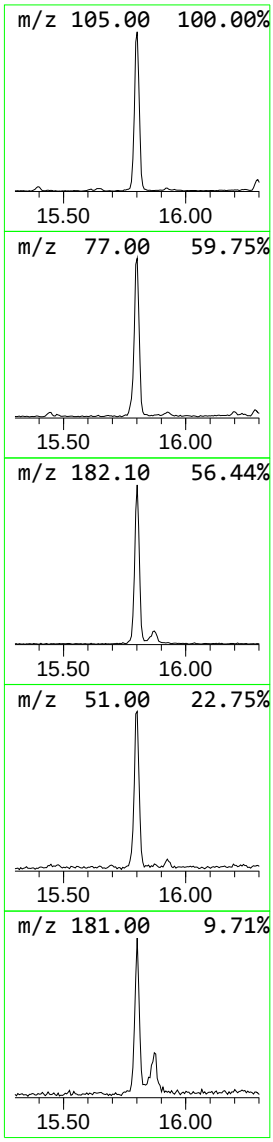
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.801	4.80 ng	429714	Acenaphthene-d10	14.419

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
4	Azobenzene	182	C12H10N2	000103-33-3	40
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	30





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On    : 13 Aug 2025  11:59
Operator  : CG/JU
Sample    : Q2820-02
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

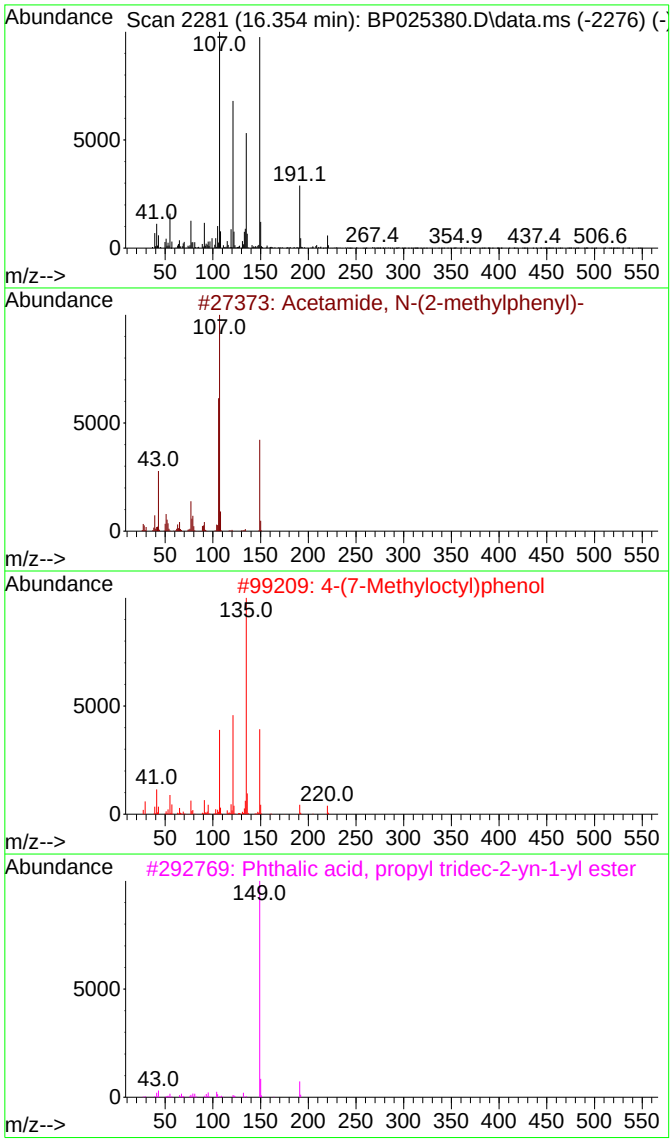
Instrument :
BNA_P
ClientSampleId :
82H-W

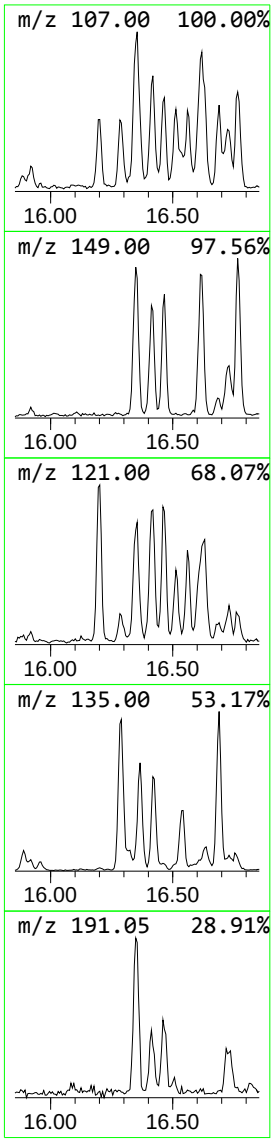
****

Peak Number 5 unknown16.354 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	3.02 ng	306996	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	43
2	4-(7-Methyloctyl)phenol	220	C15H24O	024518-48-7	38
3	Phthalic acid, propyl tridec-2-y...	386	C24H34O4	1000315-43-6	35
4	Phthalic acid, 4-methoxyphenyl p...	314	C18H18O5	1000309-77-7	35
5	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

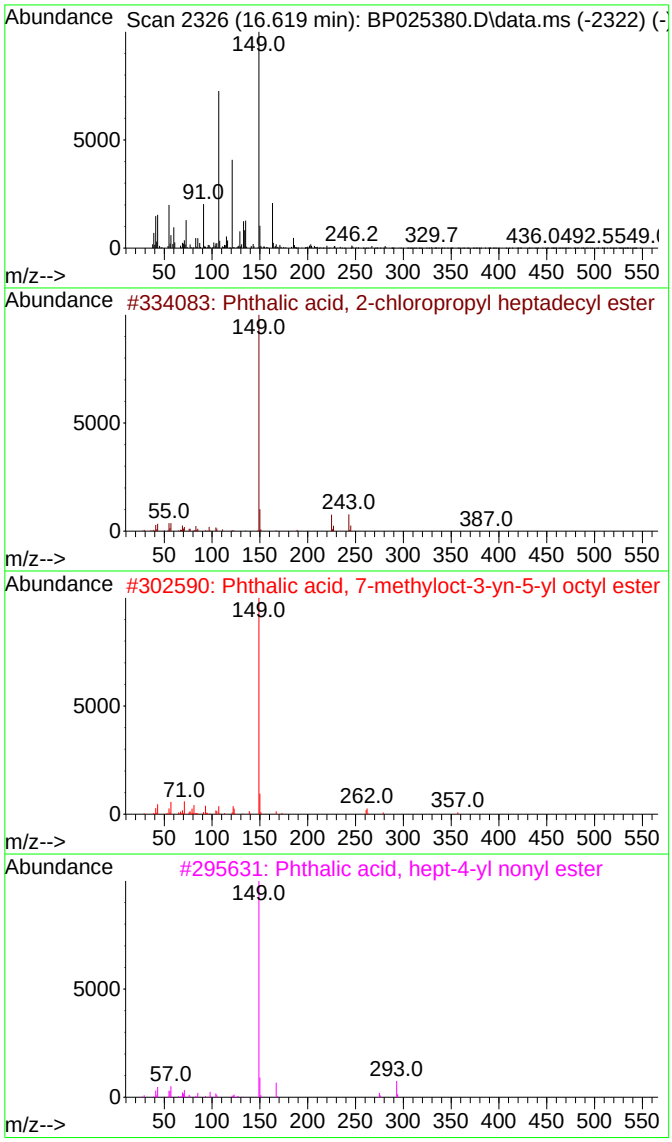
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

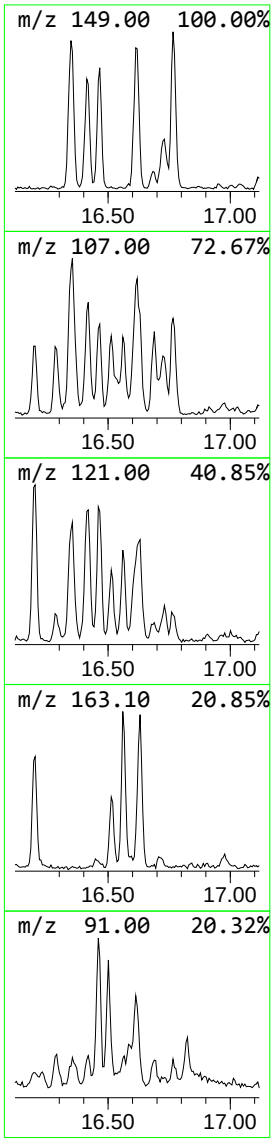
****

Peak Number 6 unknown16.619 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.619	2.77 ng	281324	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-chloropropyl he...	480	C28H45ClO4	1000356-83-8	35
2	Phthalic acid, 7-methyloct-3-yn-...	400	C25H36O4	1000315-43-0	35
3	Phthalic acid, hept-4-yl nonyl e...	390	C24H38O4	1000356-79-0	35
4	Phthalic acid, butyl 5-methoxy-3...	336	C19H28O5	1000314-88-5	35
5	Phthalic acid, 5-methoxy-3-methy...	434	C26H42O5	1000314-89-2	35





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Data File : BP025380.D
Acq On    : 13 Aug 2025  11:59
Operator  : CG/JU
Sample    : Q2820-02
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

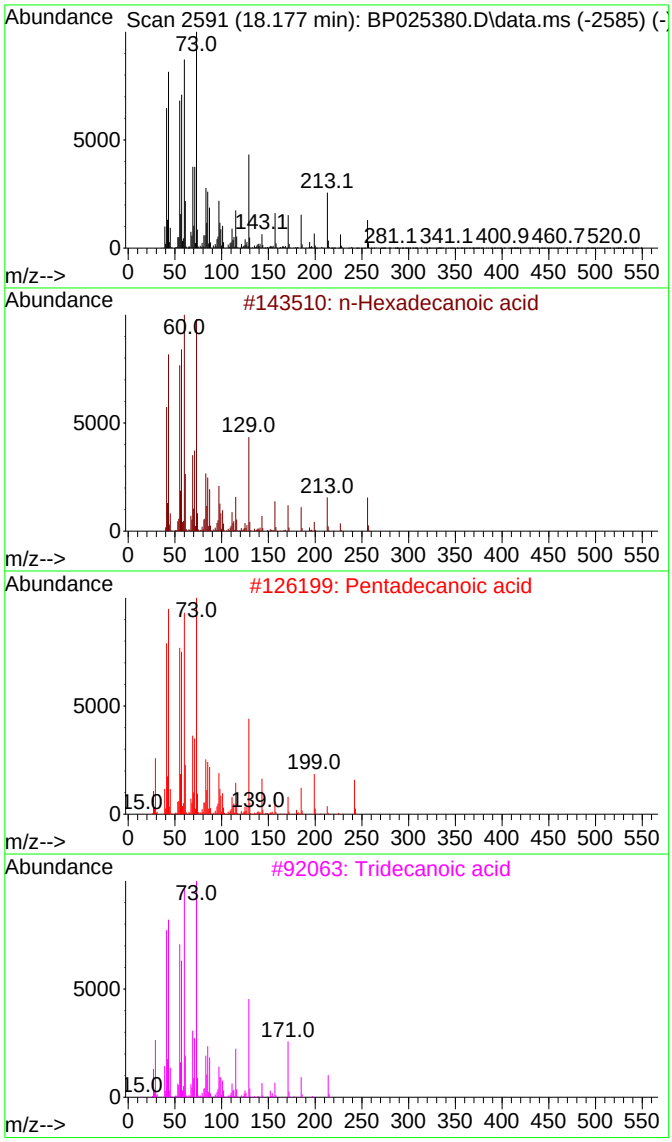
Instrument :
BNA_P
ClientSampleId :
82H-W

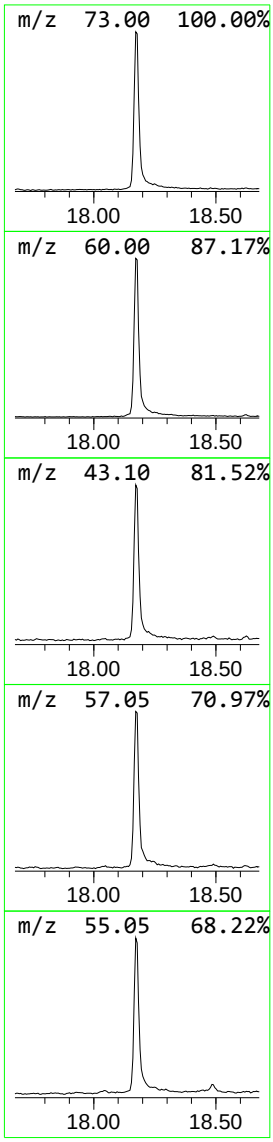
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.177	23.11 ng	2349220	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

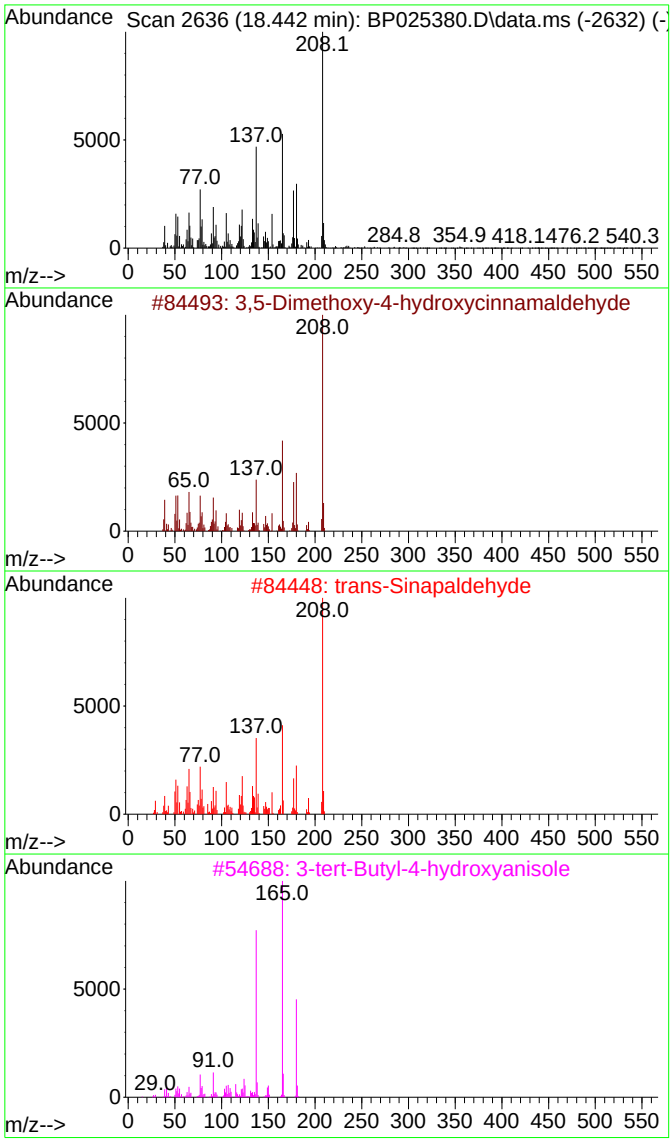
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

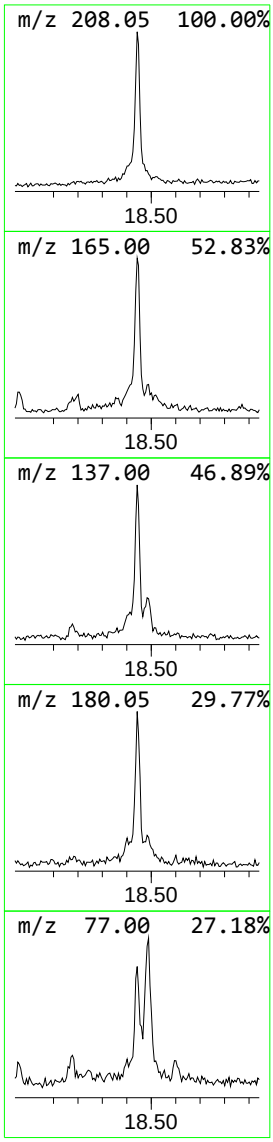
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3,5-Dimethoxy-4-hydroxycinn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.442	2.08 ng	211280	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethoxy-4-hydroxycinnamald...	208	C11H12O4	087345-53-7	96
2	trans-Sinapaldehyde	208	C11H12O4	004206-58-0	95
3	3-tert-Butyl-4-hydroxyanisole	180	C11H16O2	000121-00-6	42
4	1,2-Dimethoxy-4-(3-methoxy-1-pro...	208	C12H16O3	1000313-35-0	41
5	4-(4-Fluoro-3-methylphenyl)-1,3-...	208	C10H9FN2S	003830-48-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

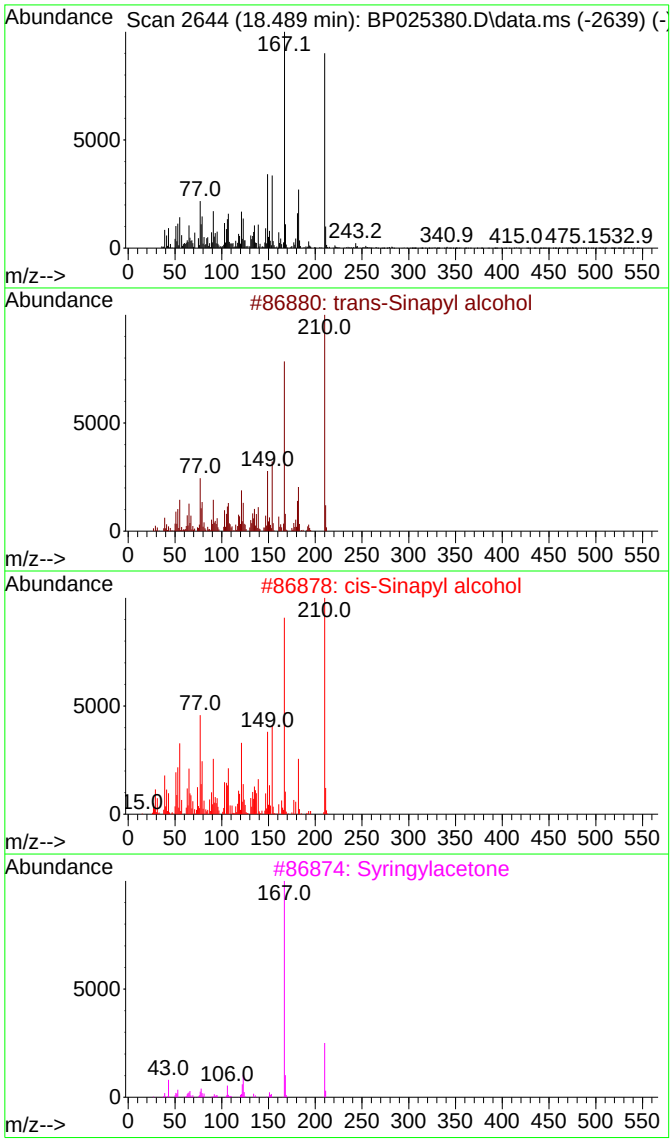
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

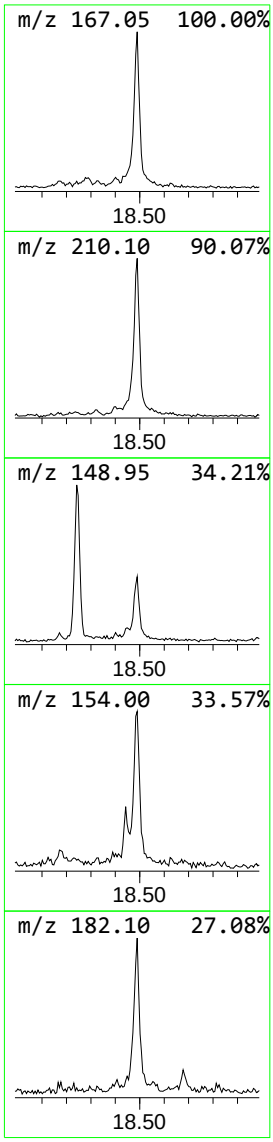
****

Peak Number 9 trans-Sinapyl alcohol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.489	4.20 ng	427296	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Sinapyl alcohol	210	C11H14O4	020675-96-1	93
2	cis-Sinapyl alcohol	210	C11H14O4	104330-63-4	87
3	Syringylacetone	210	C11H14O4	019037-58-2	64
4	2-Pentanone, 1-(2,4,6-trihydroxy...	210	C11H14O4	1000116-22-3	52
5	Desaspidinol	210	C11H14O4	000437-72-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

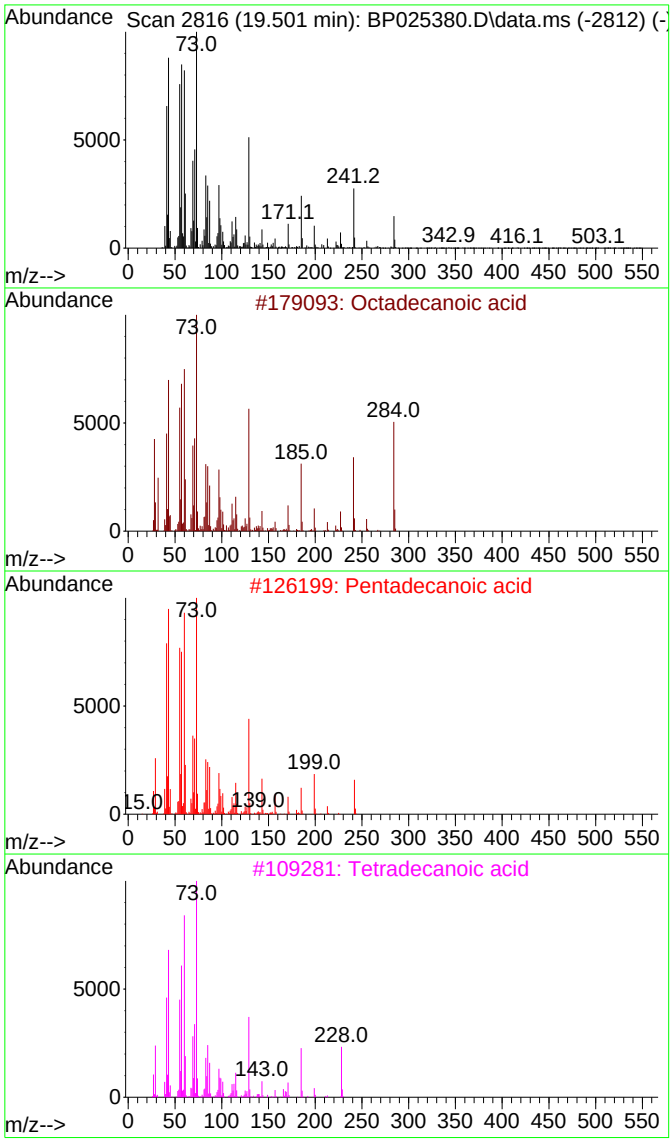
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

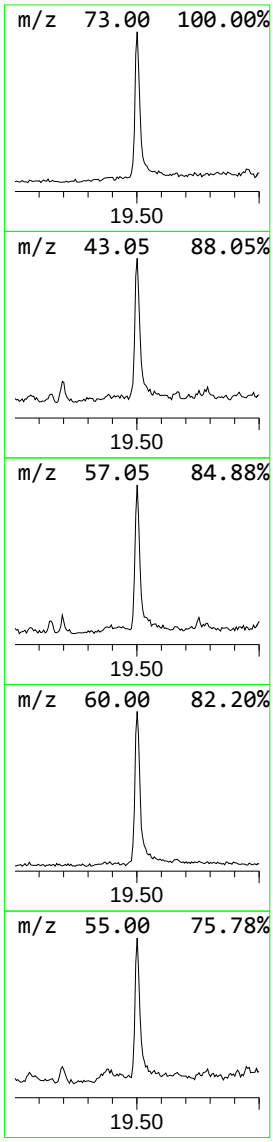
****

Peak Number 10 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.501	5.67 ng	688628	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

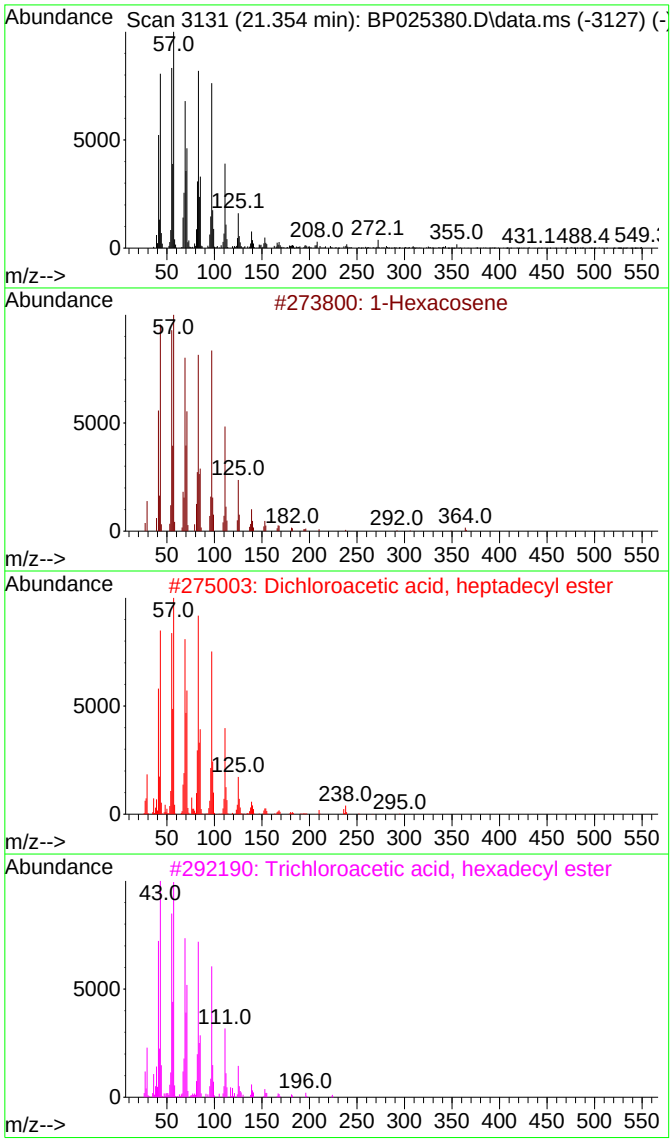
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

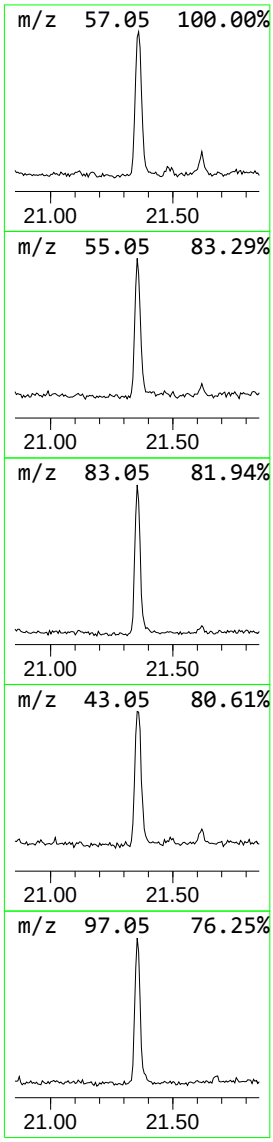
****

Peak Number 11 1-Hexacosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.354	5.63 ng	683075	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
4	Pentacos-1-ene	350	C25H50	016980-85-1	94
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025380.D
Acq On : 13 Aug 2025 11:59
Operator : CG/JU
Sample : Q2820-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	22.2	ng	1107100	1	7.802	996010	20.0
2-Pentanone, 4-...	4.949	5.1	ng	254842	1	7.802	996010	20.0
Benzophenone	15.801	4.8	ng	429714	3	14.419	1789280	20.0
unknown16.354	16.354	3.0	ng	306996	4	17.225	2032750	20.0
unknown16.619	16.619	2.8	ng	281324	4	17.225	2032750	20.0
n-Hexadecanoic ...	18.177	23.1	ng	2349220	4	17.225	2032750	20.0
3,5-Dimethoxy-4...	18.442	2.1	ng	211280	4	17.225	2032750	20.0
trans-Sinapyl a...	18.489	4.2	ng	427296	4	17.225	2032750	20.0
Octadecanoic acid	19.501	5.7	ng	688628	5	21.677	2428320	20.0
1-Hexacosene	21.354	5.6	ng	683075	5	21.677	2428320	20.0

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.3	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.8	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.9	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	34.2	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.9	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.7	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.0	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.4	U	54.2	91.4	91.4	ug/Kg
67-72-1	Hexachloroethane	150	U	20.1	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.9	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.5	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.1	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.3	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.5	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.9	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.3	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.9	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.7	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.0	150	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.0	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.6	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.3	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	25.9	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.5	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.4	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.8	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.9	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.9	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.6	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	23.9	150	190	ug/Kg
120-12-7	Anthracene	150	U	38.1	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.7	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.8	150	190	ug/Kg
206-44-0	Fluoranthene	110	J	34.3	150	190	ug/Kg
129-00-0	Pyrene	87.5	J	41.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.6	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.9	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.3	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.7	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.7	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.2	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.7	150	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.7	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.3	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.3	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.4	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	51.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.3	150	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.7		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	66.9		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		44 - 115		49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		39 - 132		67%	SPK: 150
1718-51-0	Terphenyl-d14	46.3	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178000	7.796				
1146-65-2	Naphthalene-d8	679000	10.566				
15067-26-2	Acenaphthene-d10	422000	14.413				
1517-22-2	Phenanthrene-d10	845000	17.207				
1719-03-5	Chrysene-d12	1030000	21.666				
1520-96-3	Perylene-d12	1150000	25.06				
TENTATIVE IDENTIFIED COMPOUNDS							
013463-40-6	Iron pentacarbonyl	170	J			2.97	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB			4.95	ug/Kg
000119-61-9	Benzophenone	150	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J			18.2	ug/Kg
000057-11-4	Octadecanoic acid	77.0	J			19.5	ug/Kg
1000351-78-2	Heptacosyl acetate	200	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Time: Aug 13 17:11:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

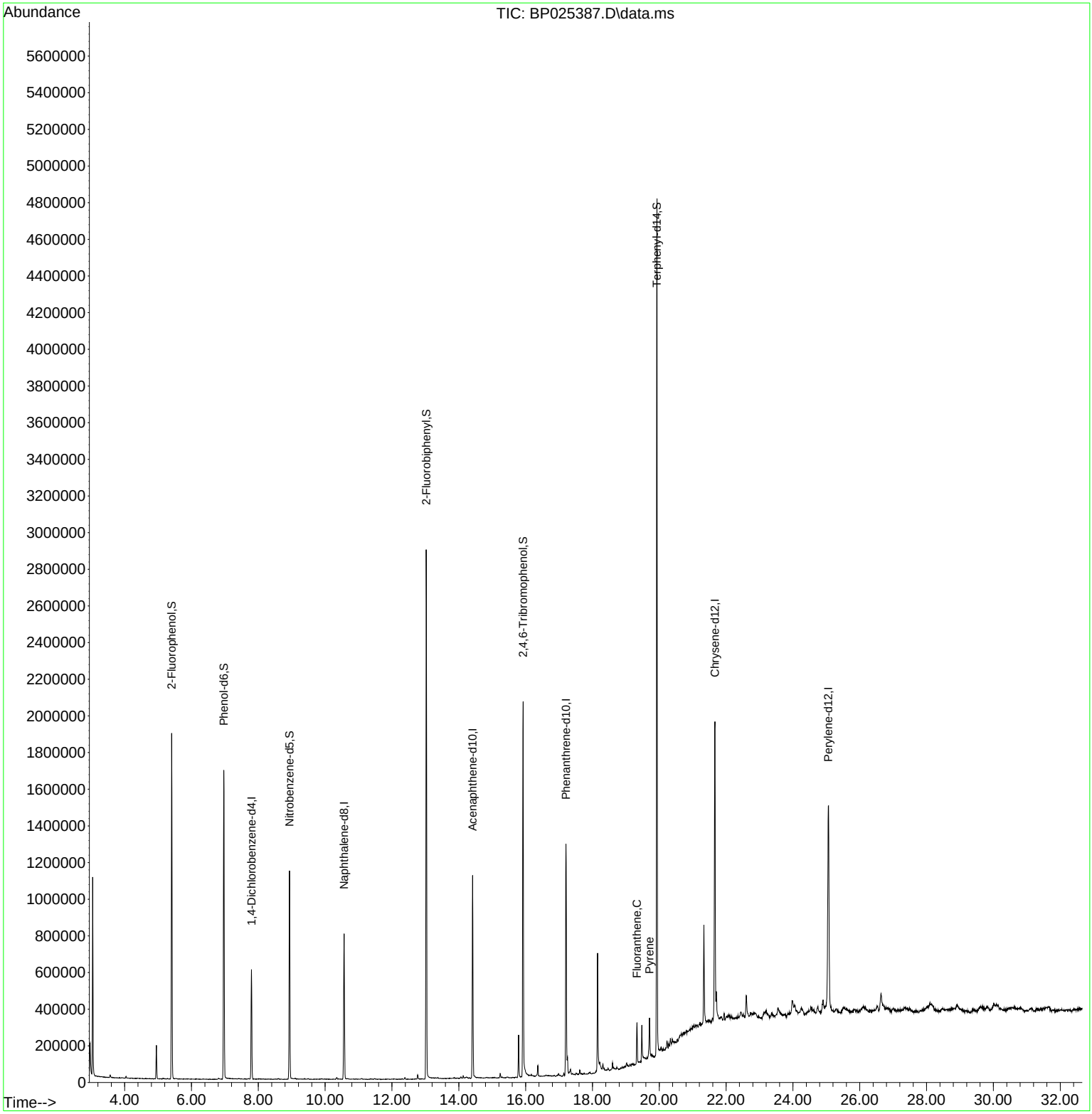
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	177935	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	679453	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	421690	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	844698	20.000	ng	-0.02
76) Chrysene-d12	21.666	240	1026814	20.000	ng	0.00
86) Perylene-d12	25.060	264	1145461	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	815476	73.711	ng	0.00
7) Phenol-d6	6.966	99	973941	66.892	ng	0.00
23) Nitrobenzene-d5	8.931	82	642226	52.366	ng	-0.01
42) 2,4,6-Tribromophenol	15.925	330	424930	101.009	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	1499283	49.108	ng	0.00
79) Terphenyl-d14	19.930	244	2514493	46.253	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.330	202	155534	2.904	ng	98
78) Pyrene	19.707	202	156861	2.297	ng	98

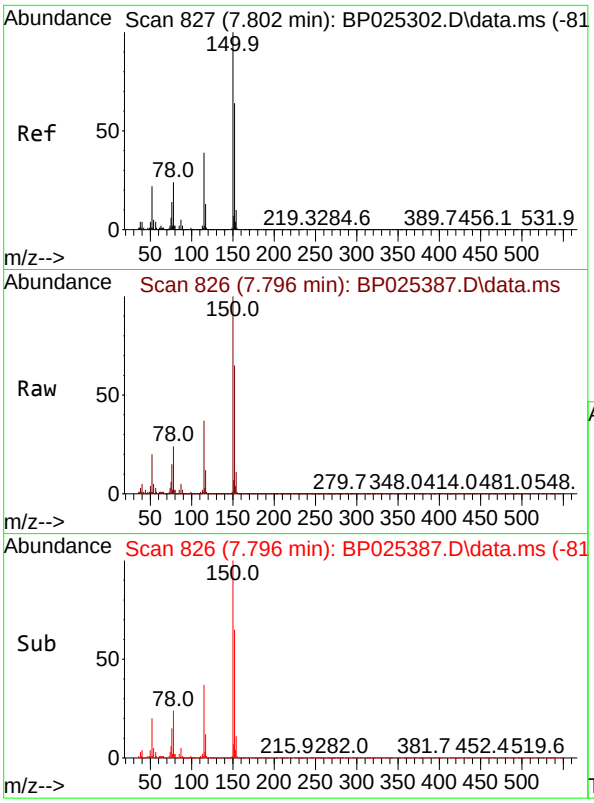
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Time: Aug 13 17:11:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



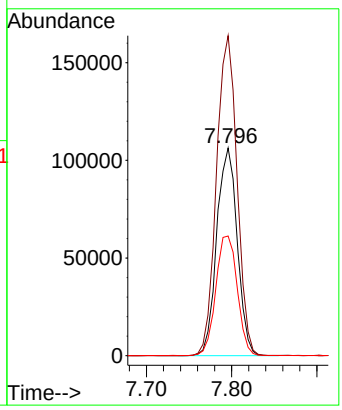


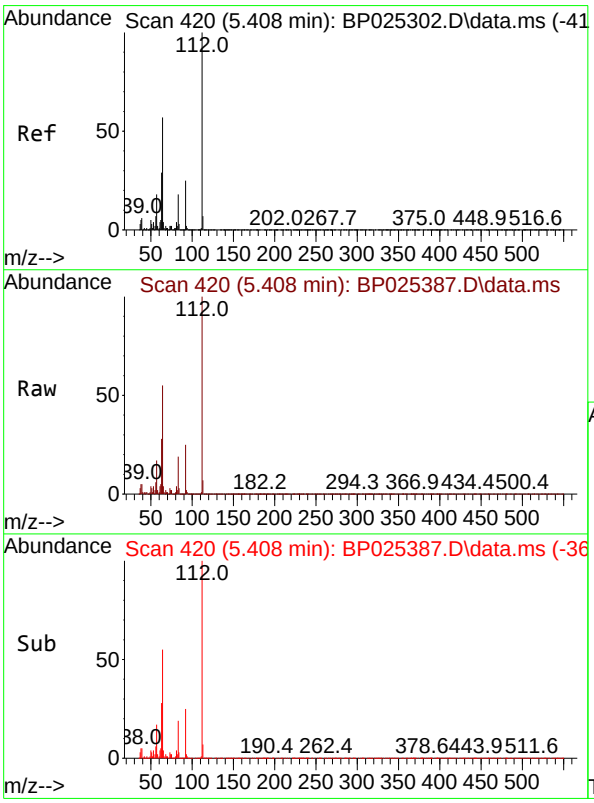
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion:152 Resp: 177935

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.1	187.7
115	57.6	48.4	72.6

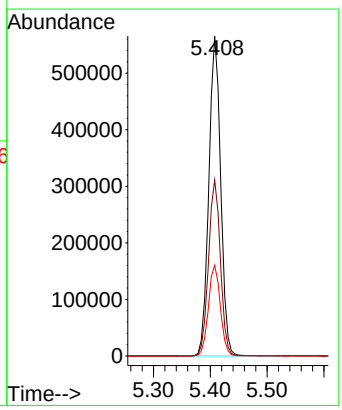


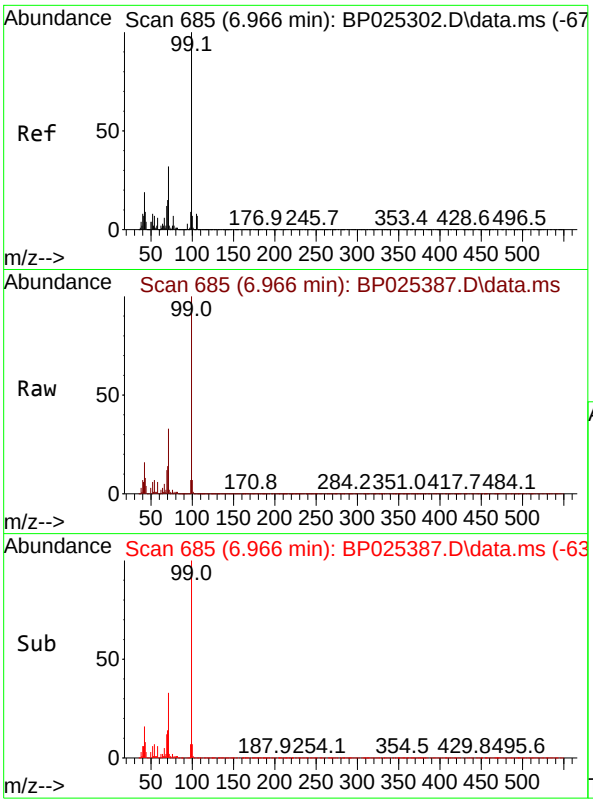


#5
2-Fluorophenol
Concen: 73.711 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:112 Resp: 815476

Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.3	67.9
63	28.3	23.0	34.6



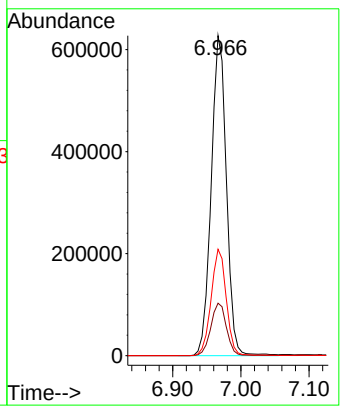


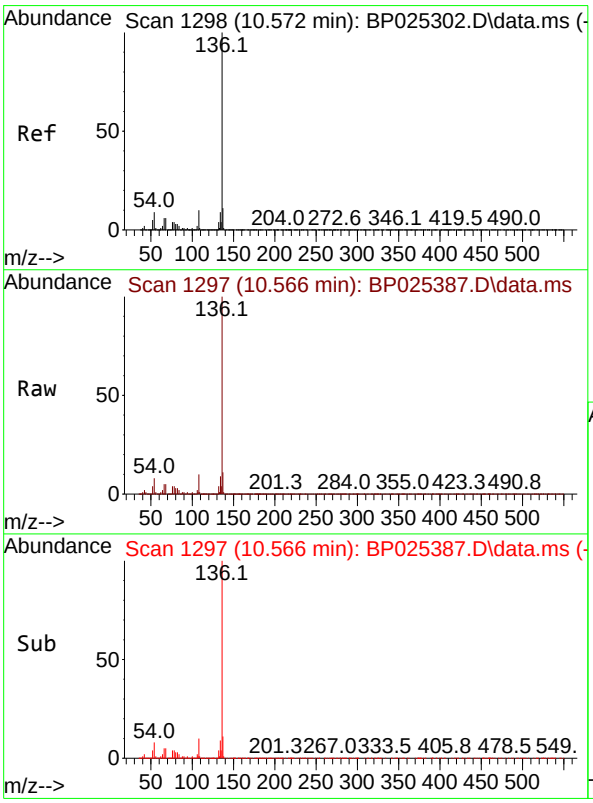
#7
Phenol-d6
Concen: 66.892 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion: 99 Resp: 973941

Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	33.2	25.5	38.3

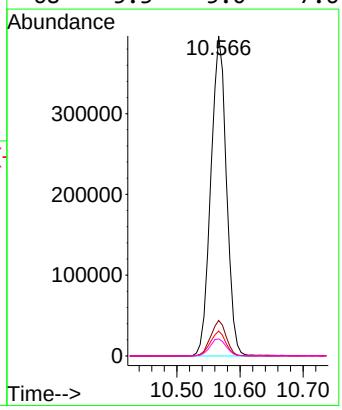


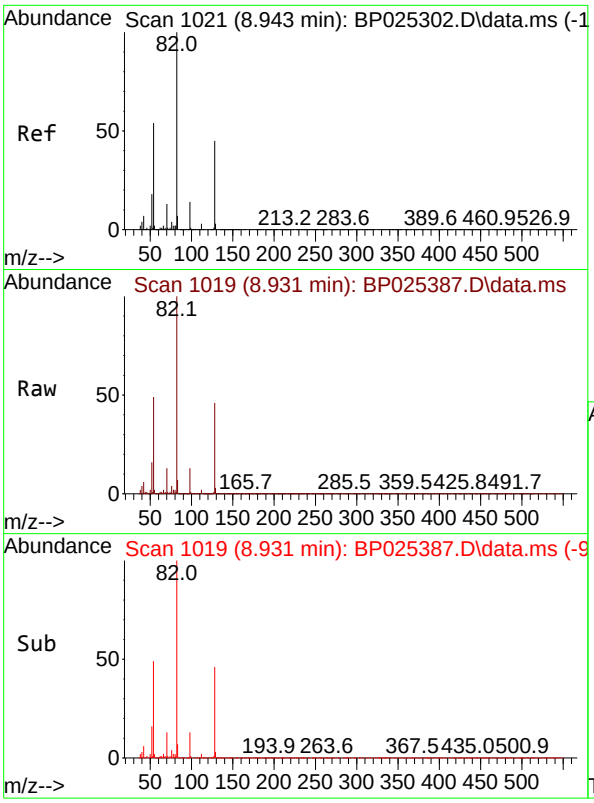


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:136 Resp: 679453

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.8	7.0	10.6
68	5.3	5.0	7.6



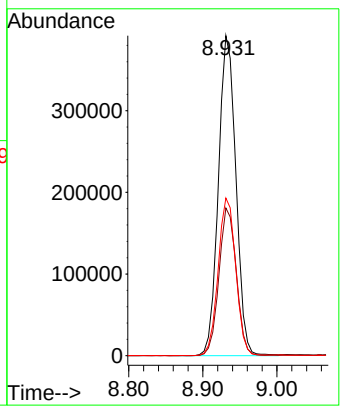


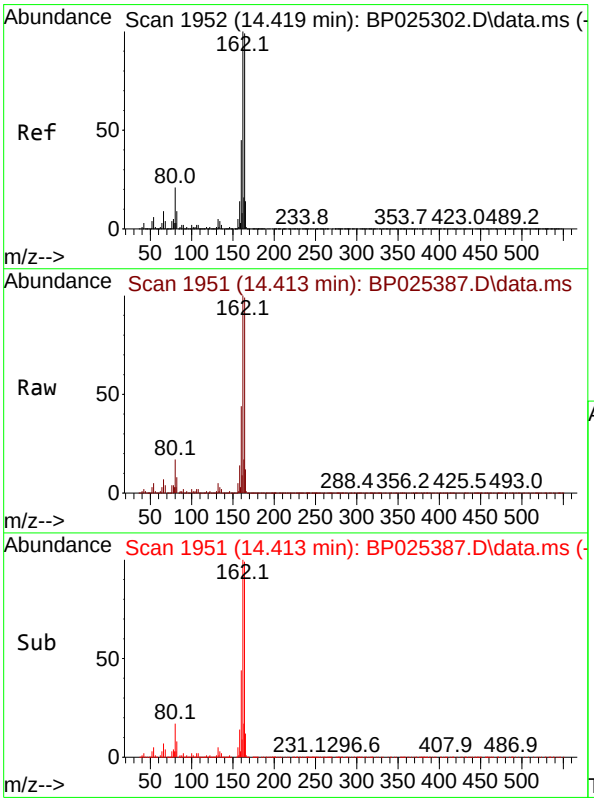
#23
Nitrobenzene-d5
Concen: 52.366 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion: 82 Resp: 642226

Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.4	53.2
54	49.3	42.9	64.3

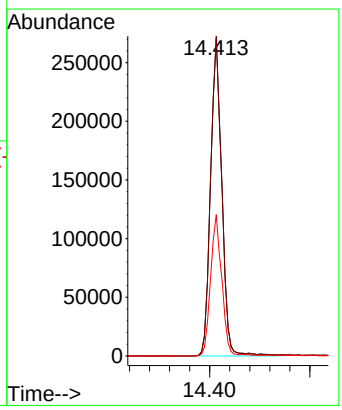


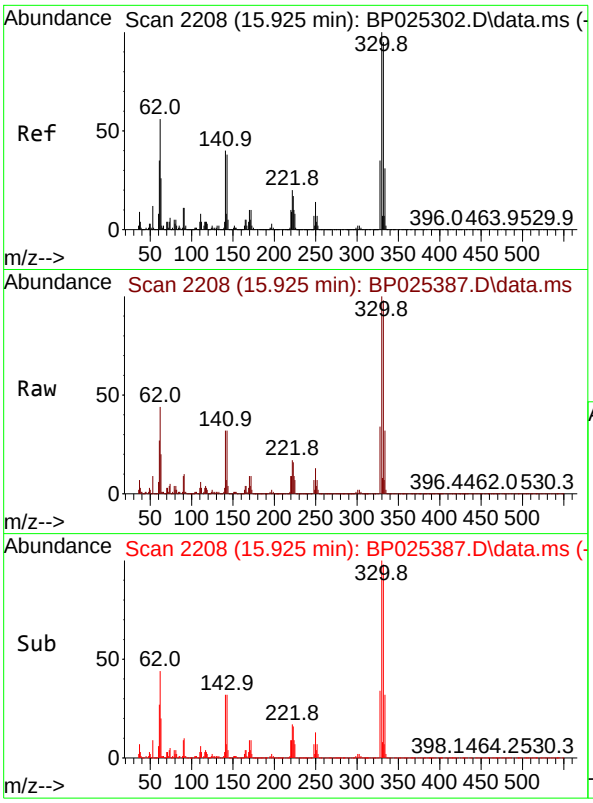


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:164 Resp: 421690

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.5	35.9	53.9



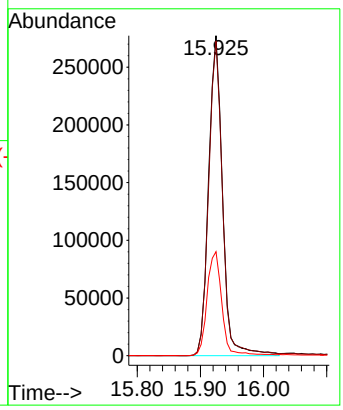


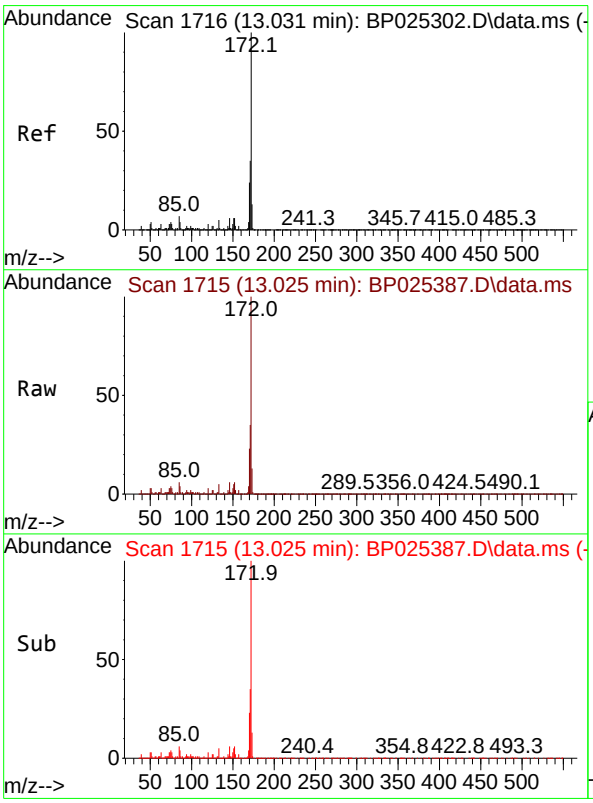
#42
2,4,6-Tribromophenol
Concen: 101.009 ng
RT: 15.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion:330 Resp: 424930

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.0
141	35.0	31.7	47.5

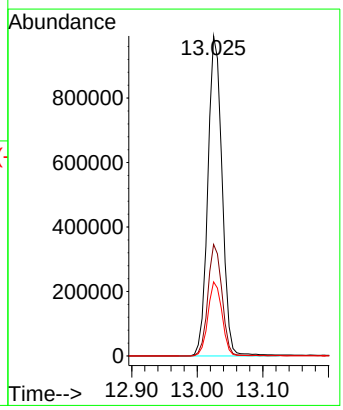


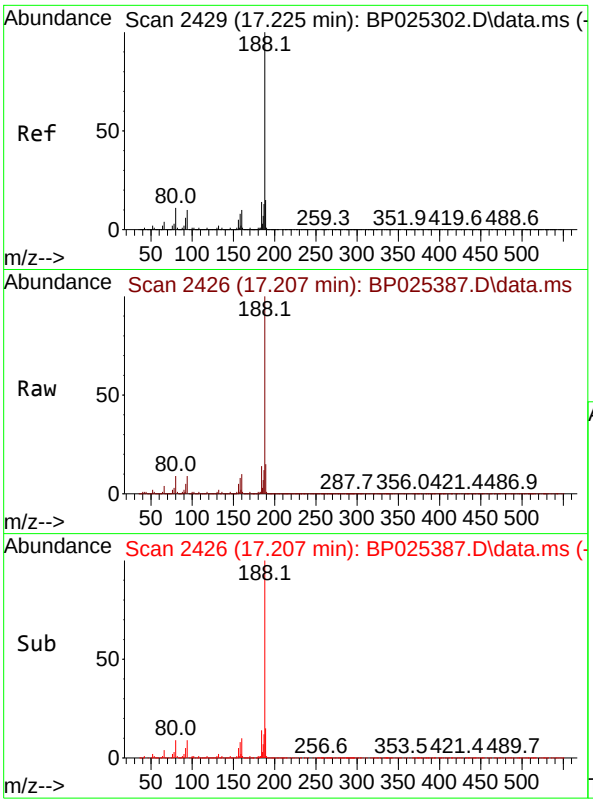


#45
2-Fluorobiphenyl
Concen: 49.108 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:172 Resp: 1499283

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.1	18.9	28.3



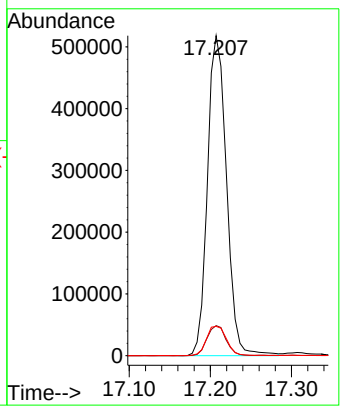


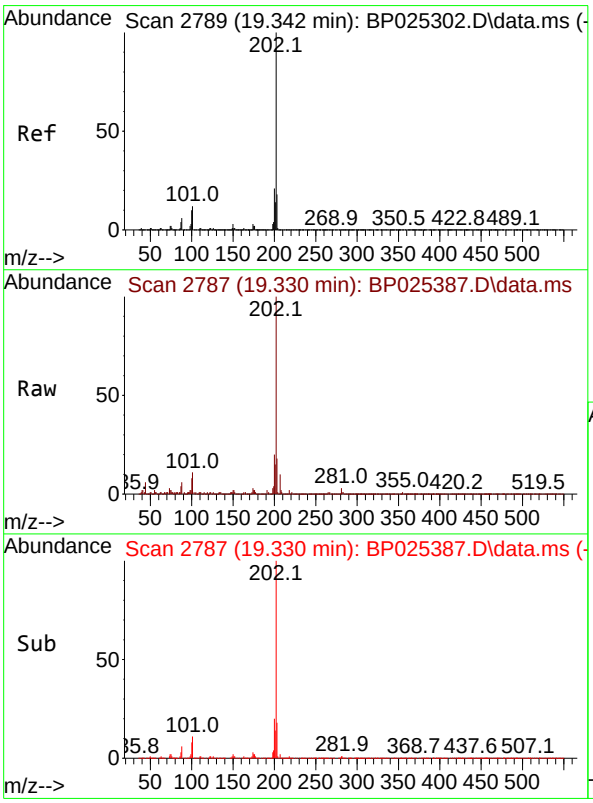
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion:188 Resp: 844698

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	9.1	8.5	12.7

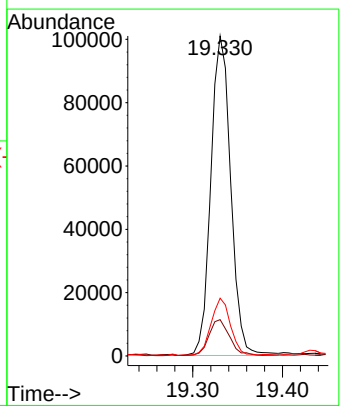


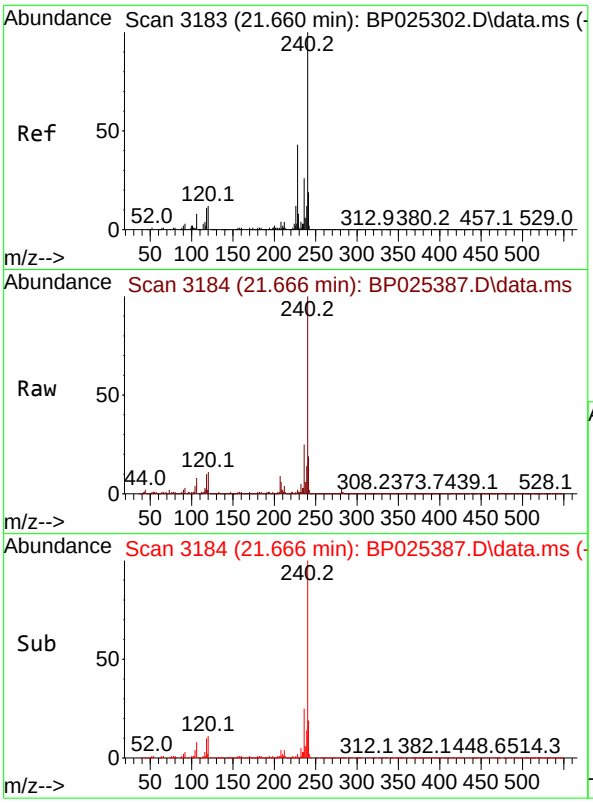


#75
Fluoranthene
Concen: 2.904 ng
RT: 19.330 min Scan# 2787
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:202 Resp: 155534

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.5
203	18.0	0.0	37.6



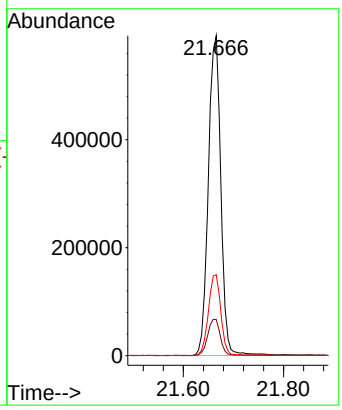


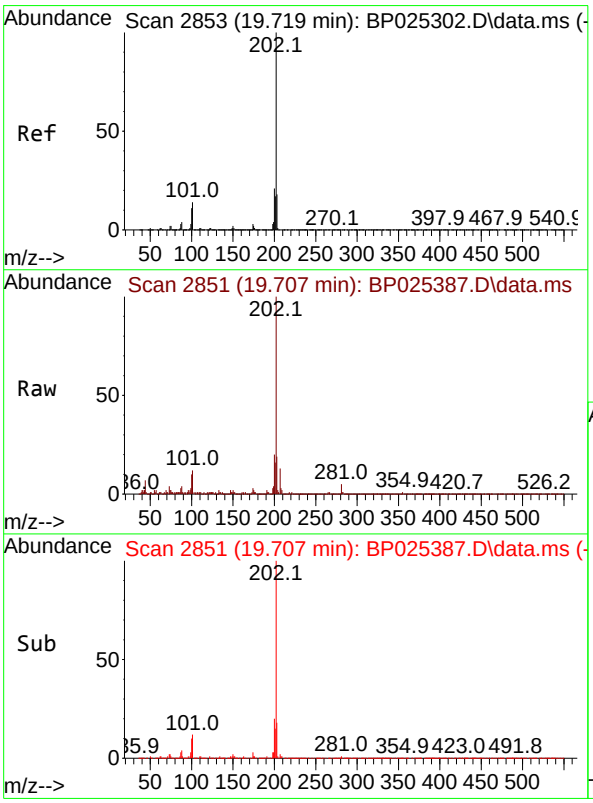
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion:240 Resp: 1026814

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	25.3	20.4	30.6

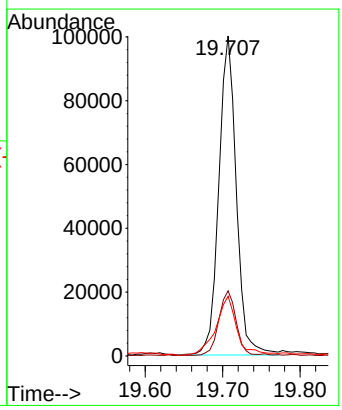


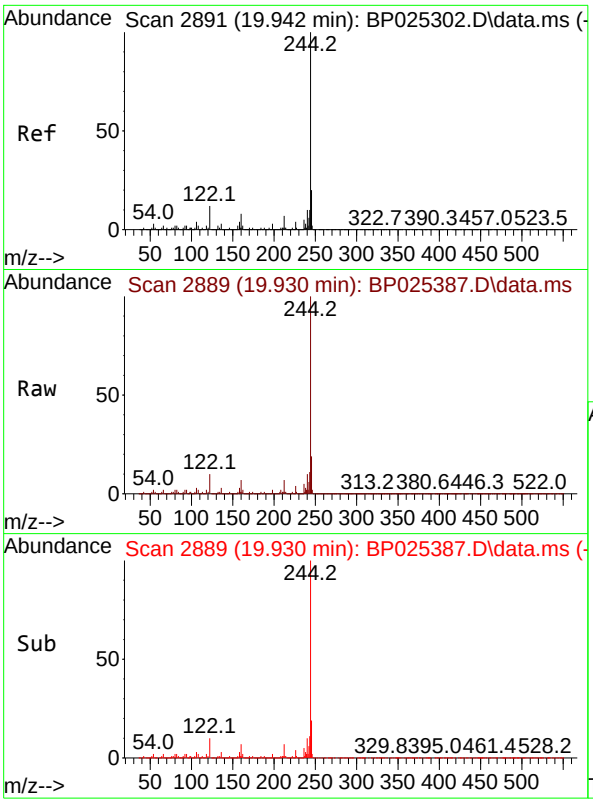


#78
Pyrene
Concen: 2.297 ng
RT: 19.707 min Scan# 2851
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:202 Resp: 156861

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	18.6	14.1	21.1



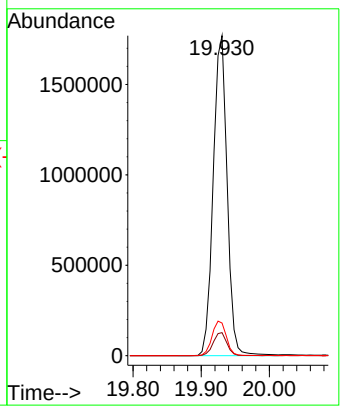


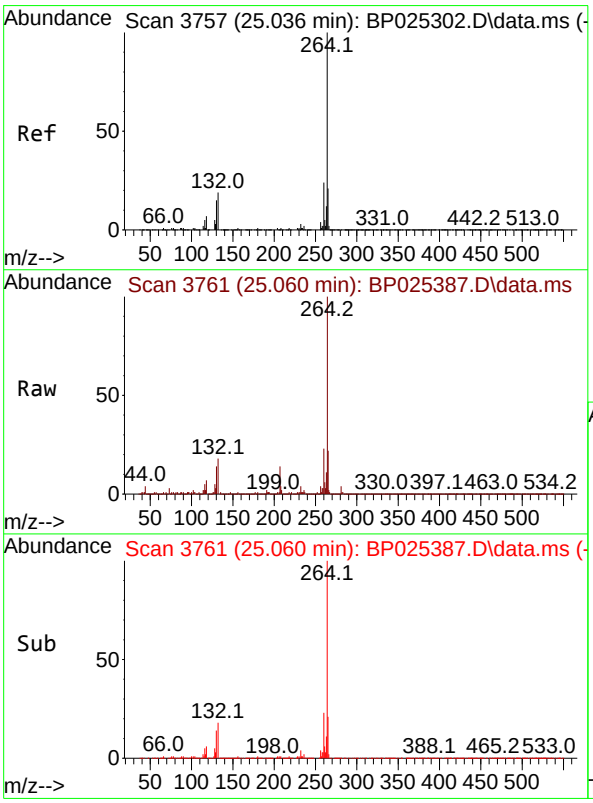
#79
Terphenyl-d14
Concen: 46.253 ng
RT: 19.930 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Instrument :
BNA_P
ClientSampleId :
82H-N

Tgt Ion:244 Resp: 2514493

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.2	9.5	14.3

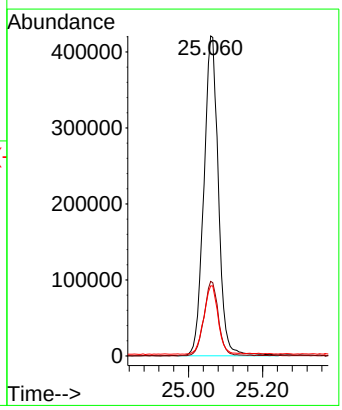




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.060 min Scan# 3761
Delta R.T. 0.024 min
Lab File: BP025387.D
Acq: 13 Aug 2025 16:50

Tgt Ion:264 Resp: 1145461

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025387.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	167776	222164	3.27%	0.573%
2	3.043	13	18	31	rVB	1085809	1294033	19.05%	3.337%
3	4.949	336	342	350	rBV	183730	249888	3.68%	0.644%
4	5.408	413	420	431	rBV	1886325	2731582	40.22%	7.045%
5	6.966	677	685	695	rBV	1687169	2666716	39.27%	6.878%
6	7.796	818	826	833	rVB	598275	1015496	14.95%	2.619%
7	8.931	1012	1019	1028	rBV	1136494	1867484	27.50%	4.816%
8	10.566	1289	1297	1307	rBV	793999	1367039	20.13%	3.526%
9	13.025	1707	1715	1728	rBV	2888975	4322261	63.64%	11.147%
10	14.413	1941	1951	1959	rBV	1107973	1747225	25.73%	4.506%
11	15.789	2178	2185	2194	rBV	233933	343374	5.06%	0.886%
12	15.925	2201	2208	2226	rBV	2048481	3297544	48.55%	8.505%
13	16.366	2278	2283	2287	rVB	56824	78884	1.16%	0.203%
14	17.207	2419	2426	2432	rBV2	1264738	2102008	30.95%	5.421%
15	18.154	2582	2587	2595	rBV	642572	968366	14.26%	2.497%
16	19.330	2782	2787	2796	rBV	227131	377443	5.56%	0.973%
17	19.478	2808	2812	2819	rBV2	201171	300145	4.42%	0.774%
18	19.707	2844	2851	2856	rBV	210637	351992	5.18%	0.908%
19	19.930	2882	2889	2897	rBV	4669019	6791392	100.00%	17.515%
20	21.336	3123	3128	3137	rVB	522711	767081	11.29%	1.978%
21	21.666	3176	3184	3189	rBV	1617723	2969322	43.72%	7.658%
22	25.065	3753	3762	3774	rVB	1102303	2942188	43.32%	7.588%

Sum of corrected areas: 38773627

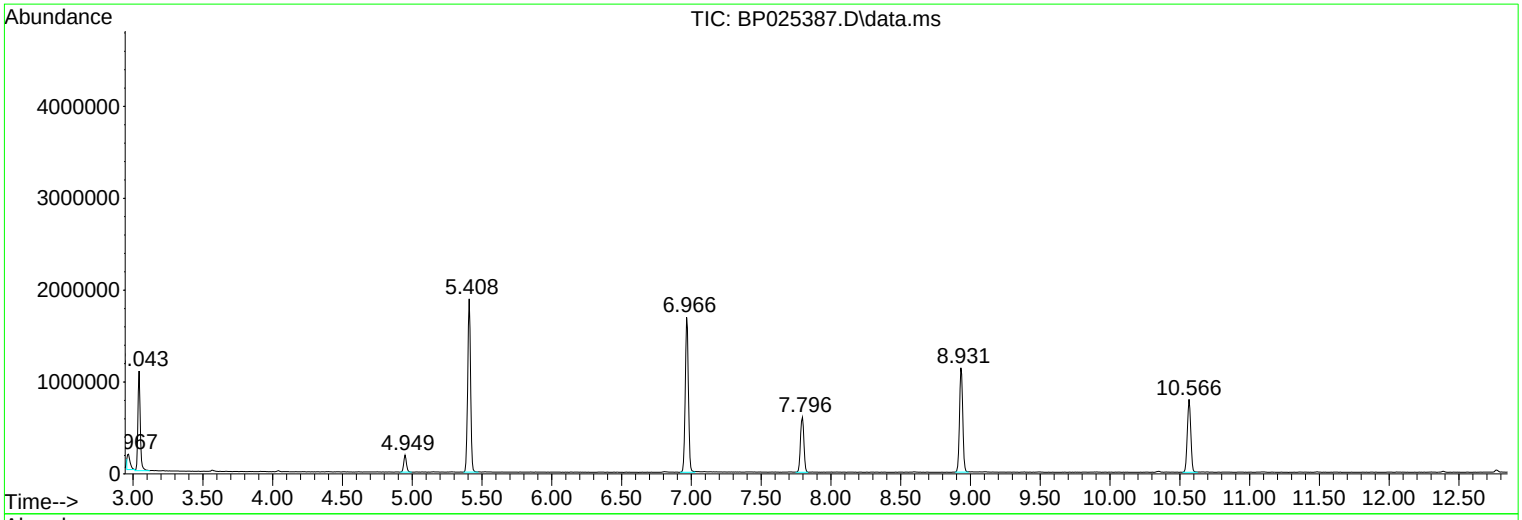
Sample Results: **BP025387.D**

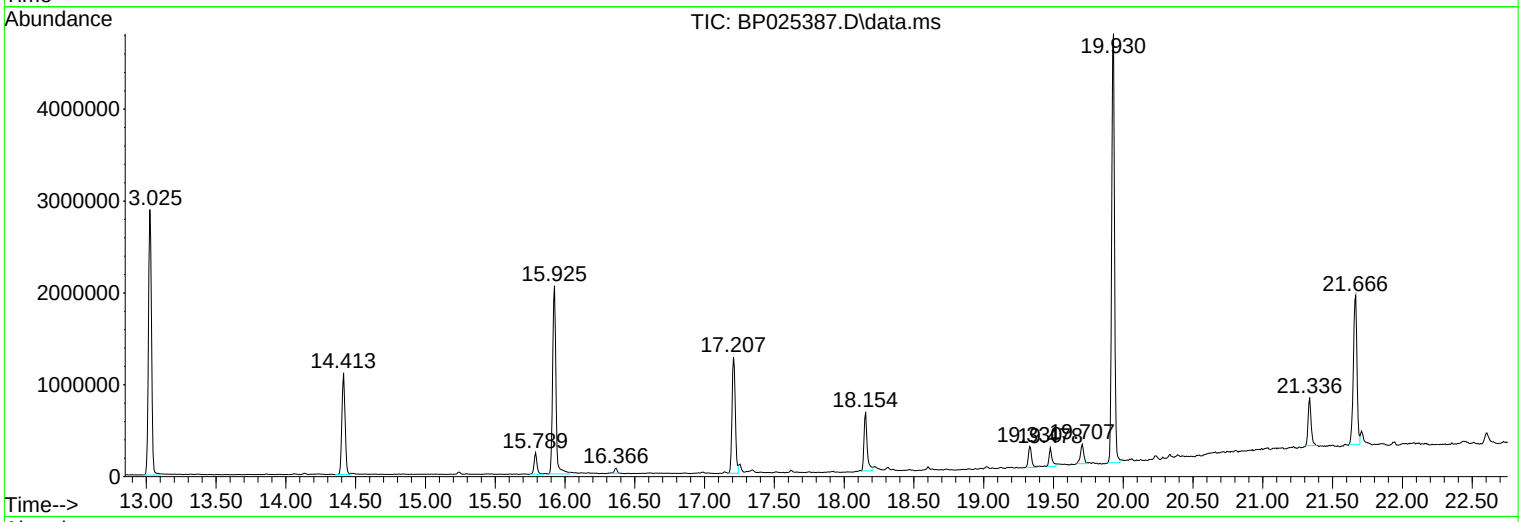
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

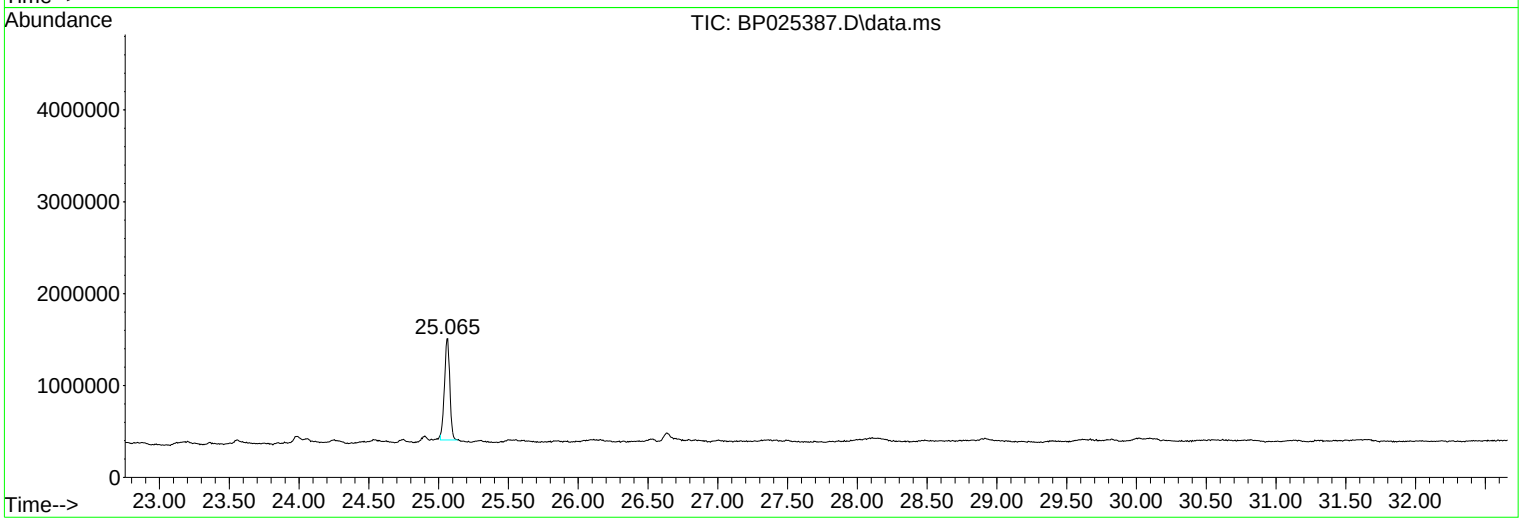
Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

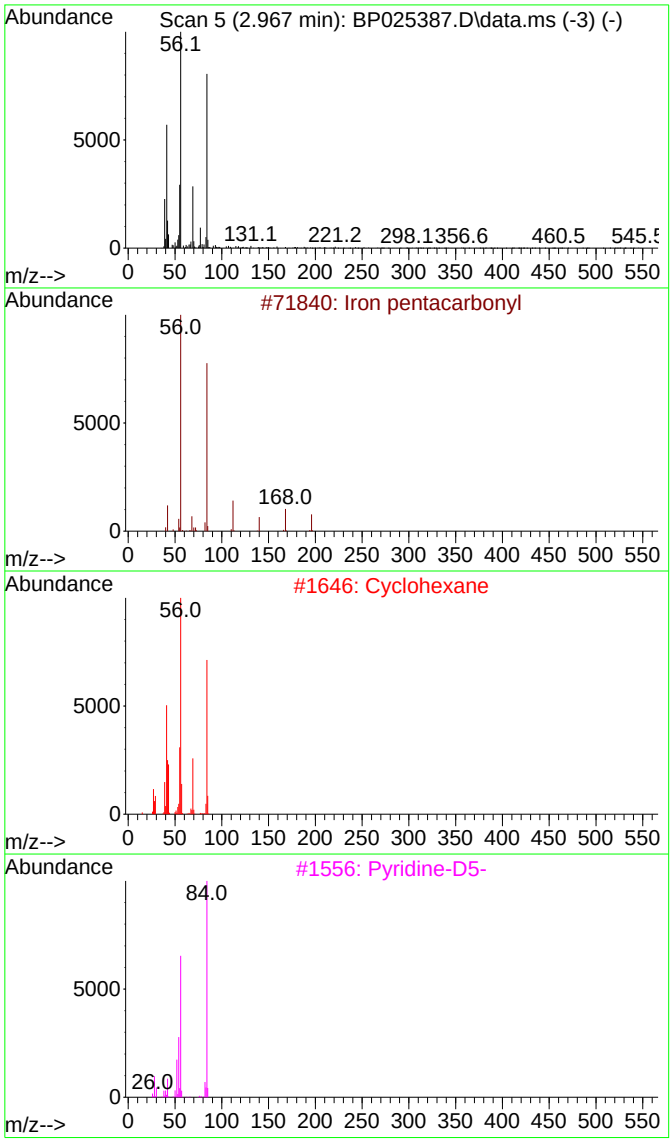
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

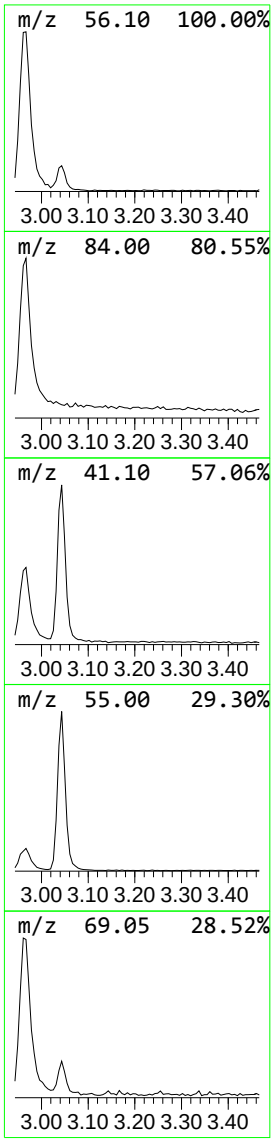
****

Peak Number 1 Iron pentacarbonyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.967	4.38 ng	222164	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Iron pentacarbonyl	196	C5FeO5	013463-40-6	78
2	Cyclohexane	84	C6H12	000110-82-7	72
3	Pyridine-D5-	84	C5D5N	007291-22-7	56
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	2-Piperidinemethanol	115	C6H13NO	003433-37-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

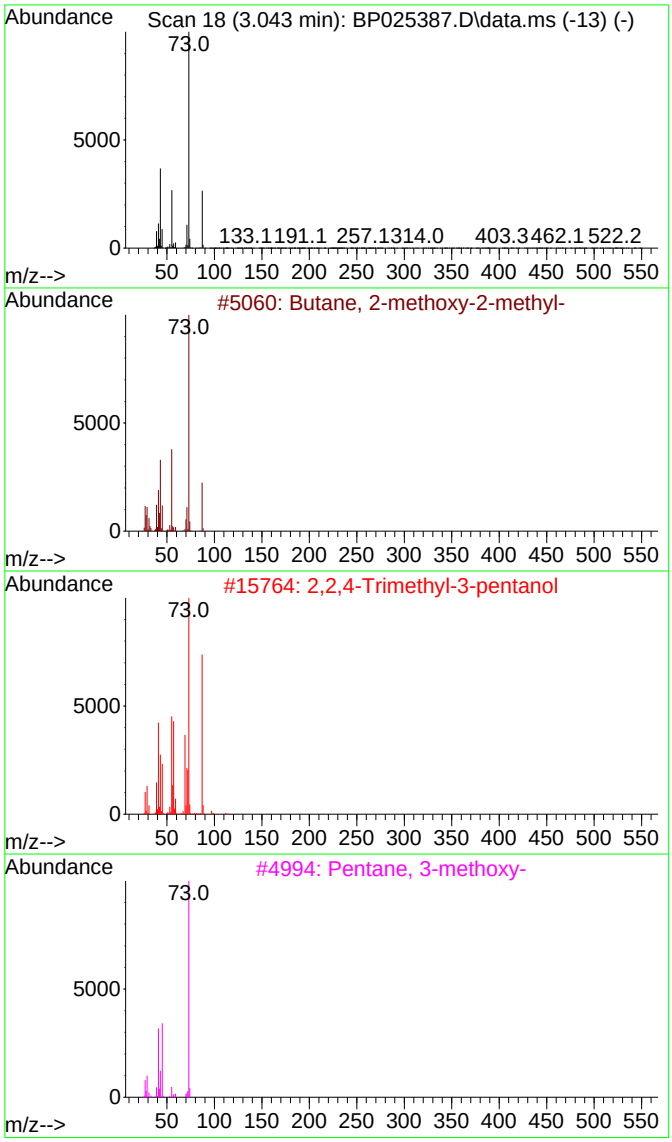
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

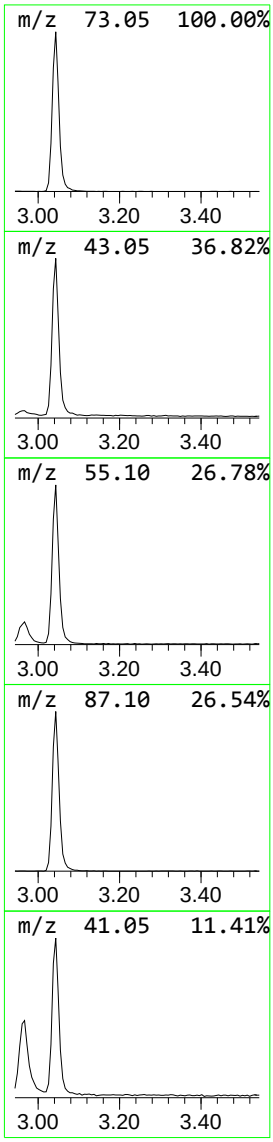
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	25.49 ng	1294030	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





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Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

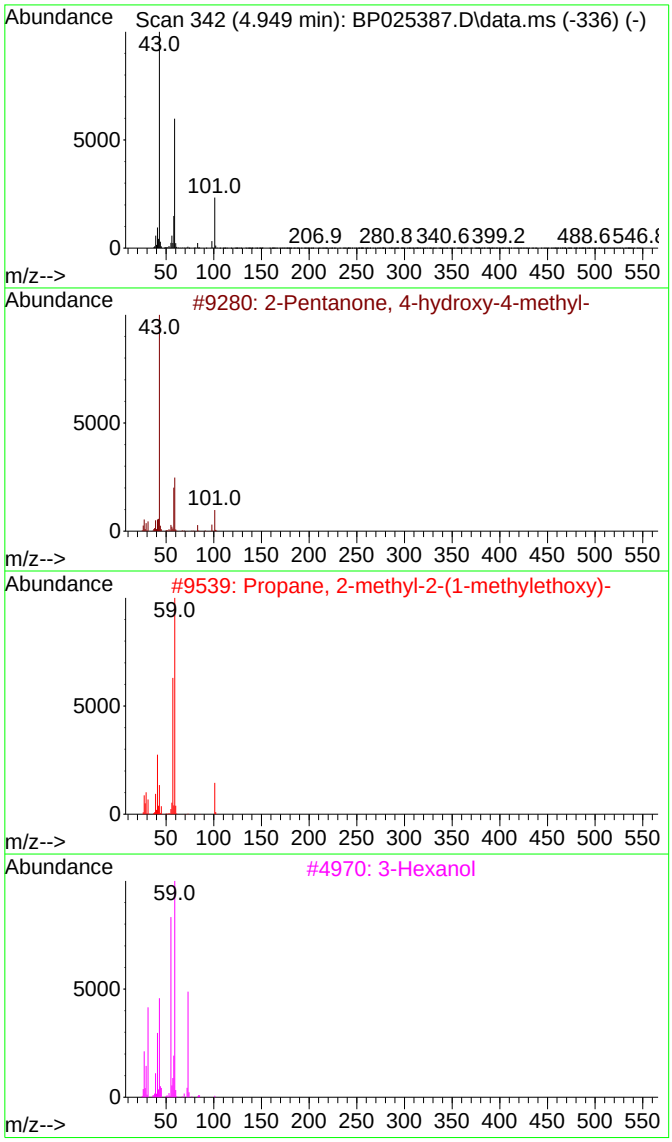
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

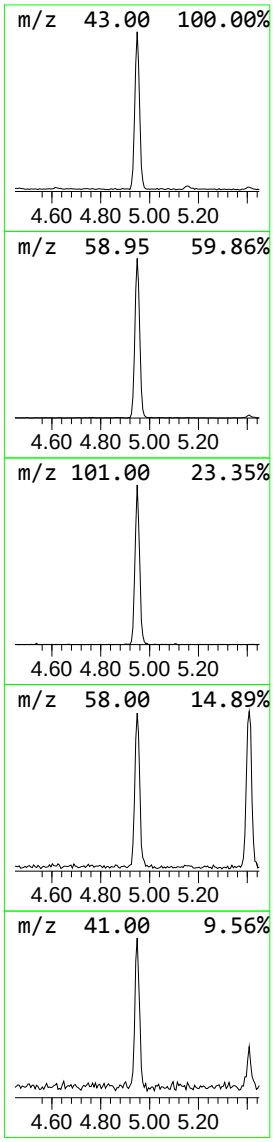
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.92 ng	249888	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25





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Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

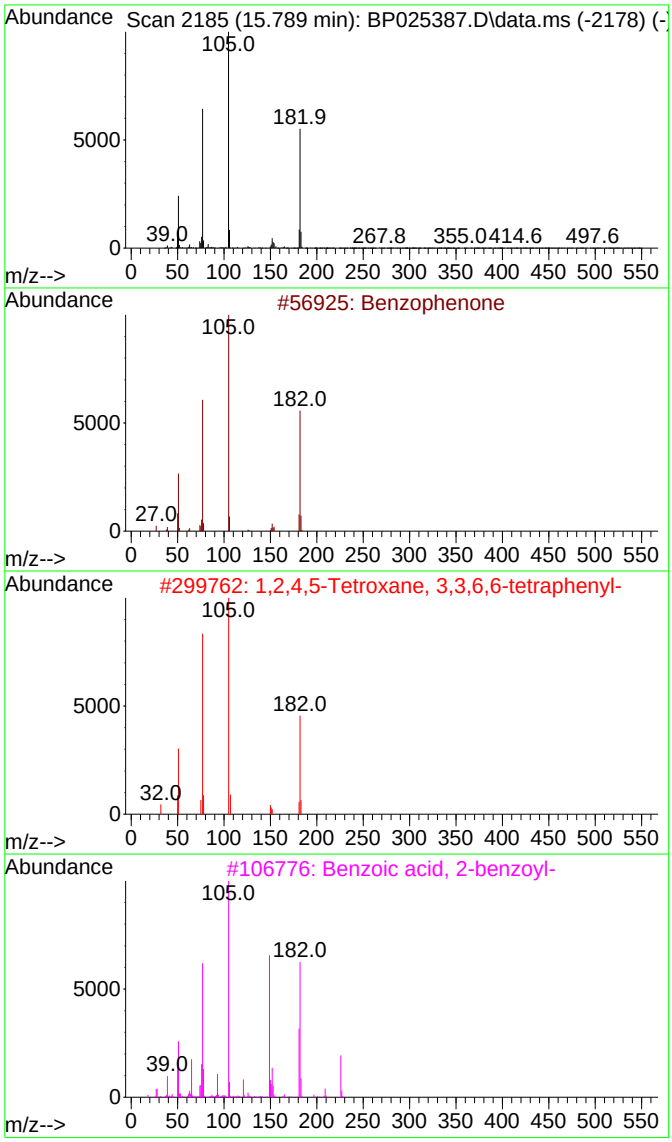
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

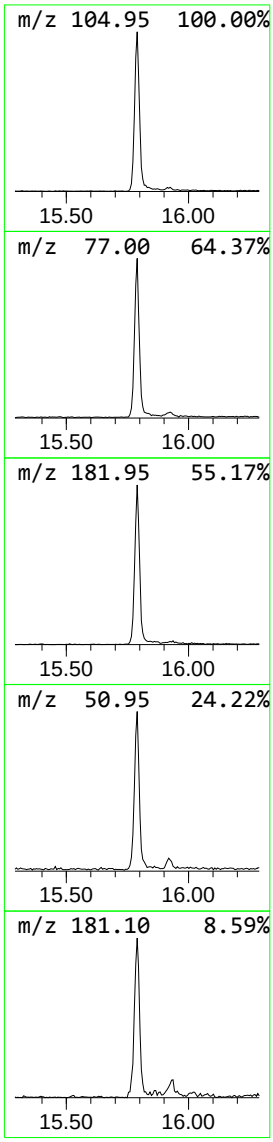
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.790	3.93 ng	343374	Acenaphthene-d10	14.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Benzoic acid, 2-benzoyl-	226	C14H10O3	000085-52-9	56
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50





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Data File : BP025387.D
Acq On    : 13 Aug 2025  16:50
Operator  : CG/JU
Sample    : Q2820-03
Misc      :
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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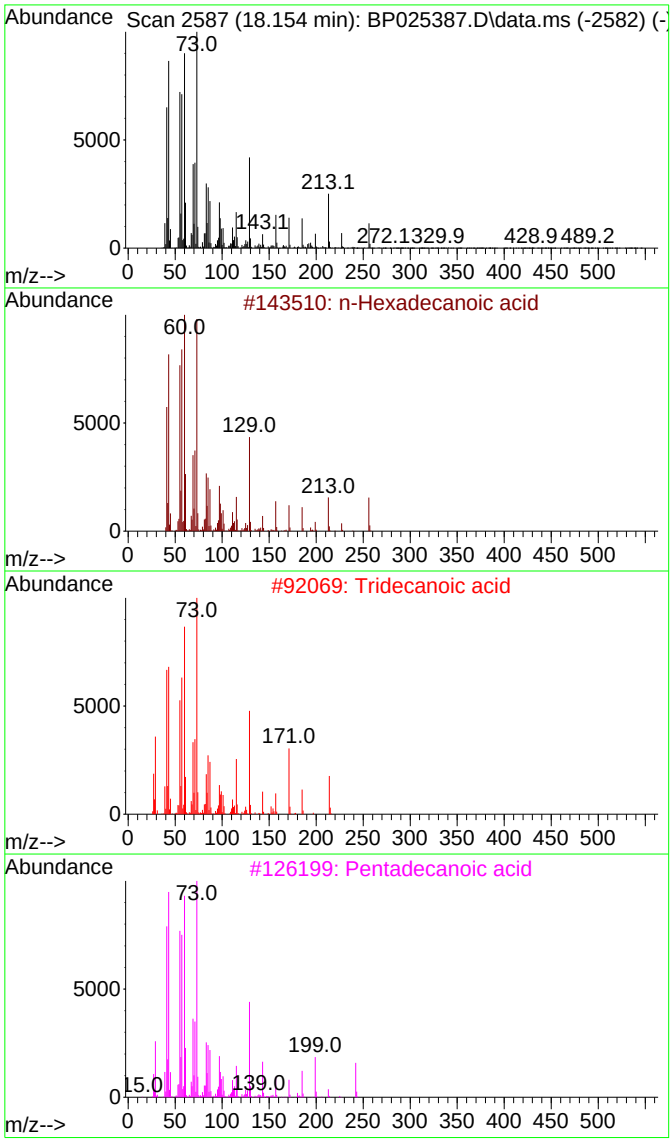
Instrument :
BNA_P
ClientSampleId :
82H-N

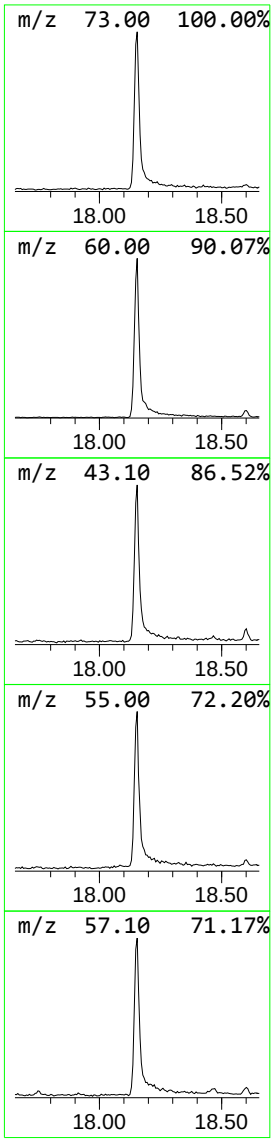
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.154	9.21 ng	968366	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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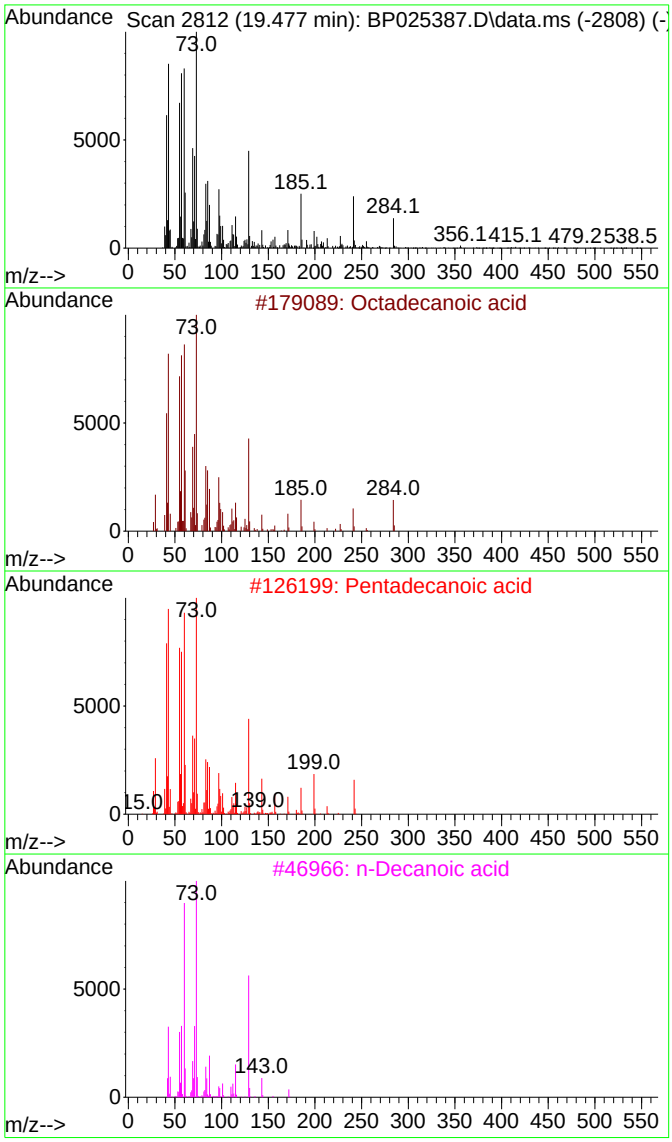
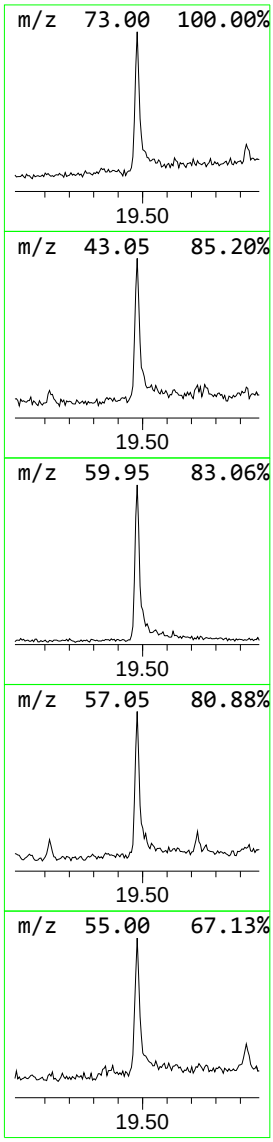
Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.477	2.02 ng	300145	Chrysene-d12	21.666

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Decanoic acid	172	C10H20O2	000334-48-5	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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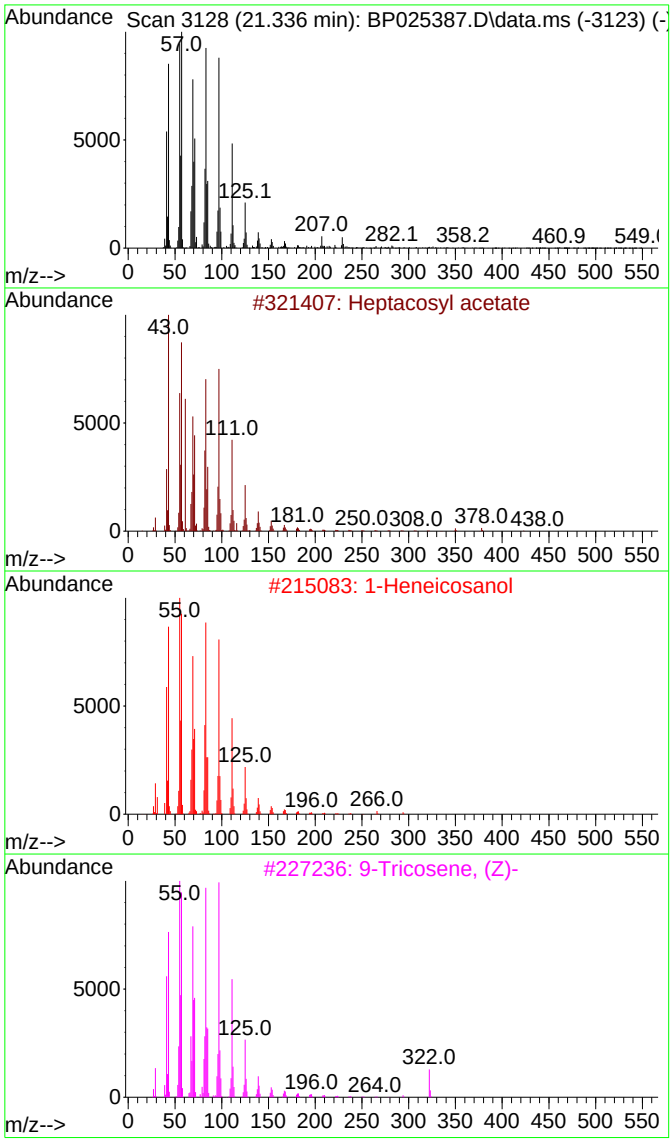
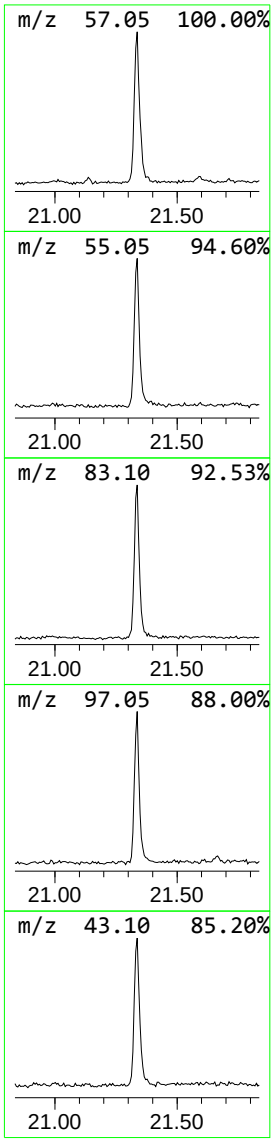
Peak Number 7 Heptacosyl acetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.336	5.17 ng	767081	Chrysene-d12	21.666

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosyl acetate	438	C29H58O2	1000351-78-2	96
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025387.D
Acq On : 13 Aug 2025 16:50
Operator : CG/JU
Sample : Q2820-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
82H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Iron pentacarbonyl	2.967	4.4	ng	222164	1	7.796	1015500	20.0
Butane, 2-metho...	3.043	25.5	ng	1294030	1	7.796	1015500	20.0
2-Pentanone, 4-...	4.949	4.9	ng	249888	1	7.796	1015500	20.0
Benzophenone	15.790	3.9	ng	343374	3	14.413	1747230	20.0
n-Hexadecanoic ...	18.154	9.2	ng	968366	4	17.207	2102010	20.0
Octadecanoic acid	19.477	2.0	ng	300145	5	21.666	2969320	20.0
Heptacosyl acetate	21.336	5.2	ng	767081	5	21.666	2969320	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.1	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.4	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.1	150	200	ug/Kg
98-86-2	Acetophenone	150	U	33.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.3	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.0	U	54.5	92.0	92.0	ug/Kg
67-72-1	Hexachloroethane	150	U	20.2	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.0	150	200	ug/Kg
78-59-1	Isophorone	150	U	37.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.9	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.5	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.7	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.1	150	200	ug/Kg
105-60-2	Caprolactam	310	U	59.9	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.0	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.4	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.5	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.1	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.3	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.2	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.2	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.6	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.9	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.5	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.1	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.6	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.5	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.7	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.1	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.8	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.0	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.1	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.0	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.0	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	35.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.1	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.5	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.1	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.2	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.4	150	200	ug/Kg
218-01-9	Chrysene	150	U	22.9	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.1	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.8	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.8	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.8	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.9	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.5	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.5	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.5	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.4	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.0	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.5	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.9		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	69.4		34 - 127		46%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	52.4	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	7.796				
1146-65-2	Naphthalene-d8	648000	10.572				
15067-26-2	Acenaphthene-d10	392000	14.425				
1517-22-2	Phenanthrene-d10	809000	17.231				
1719-03-5	Chrysene-d12	934000	21.672				
1520-96-3	Perylene-d12	1050000	25.083				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	780	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB			4.95	ug/Kg
000119-61-9	Benzophenone	93.1	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J			18.2	ug/Kg
015594-90-8	1-Heneicosanol	190	J			21.3	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Time: Aug 13 15:46:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

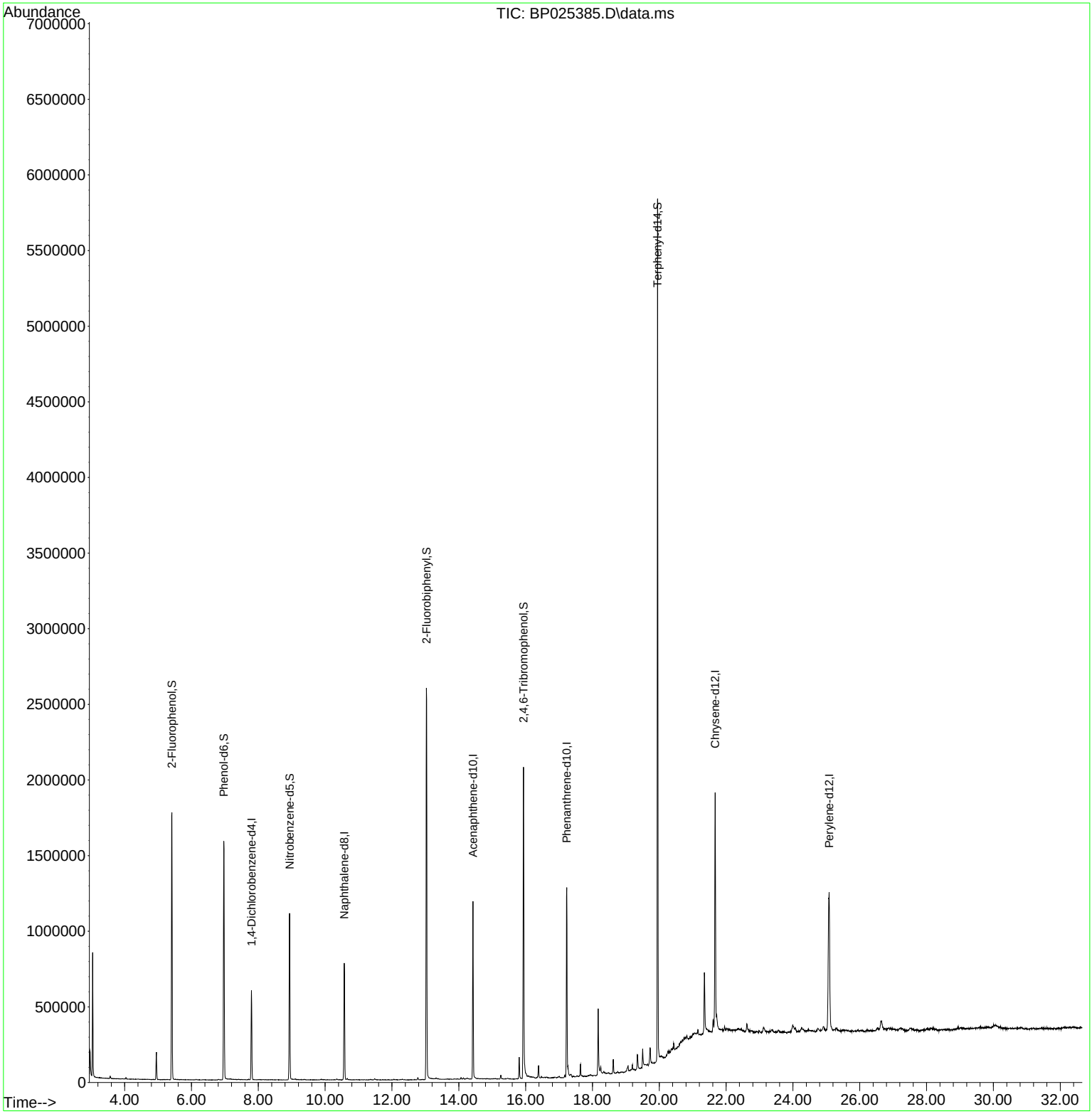
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	167625	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	647929	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	392291	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	809211	20.000	ng	0.00
76) Chrysene-d12	21.672	240	934018	20.000	ng	0.01
86) Perylene-d12	25.083	264	1049269	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	801909	76.943	ng	0.00
7) Phenol-d6	6.967	99	951316	69.357	ng	0.00
23) Nitrobenzene-d5	8.937	82	620072	53.019	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	437140	111.699	ng	0.01
45) 2-Fluorobiphenyl	13.031	172	1466096	51.619	ng	0.00
79) Terphenyl-d14	19.948	244	2593464	52.445	ng	0.00
Target Compounds						Qvalue

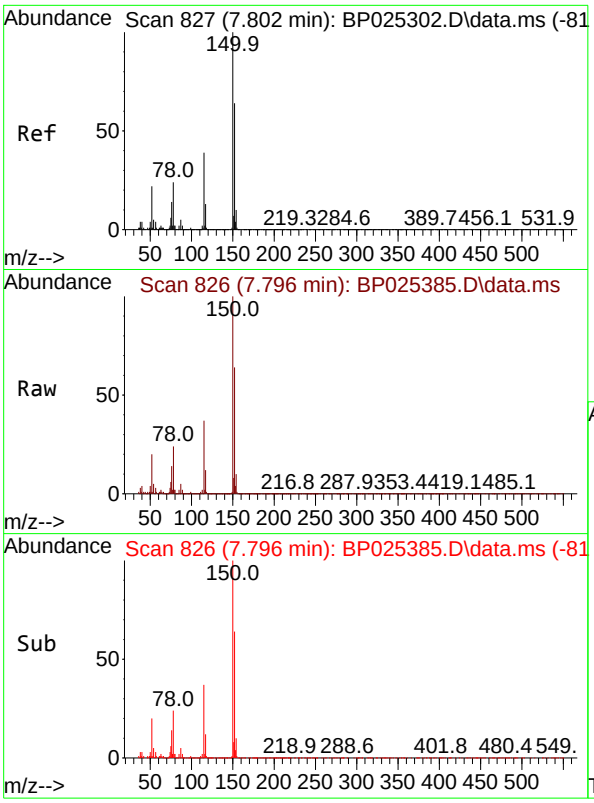
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Time: Aug 13 15:46:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



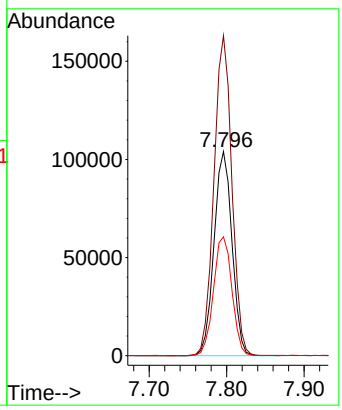


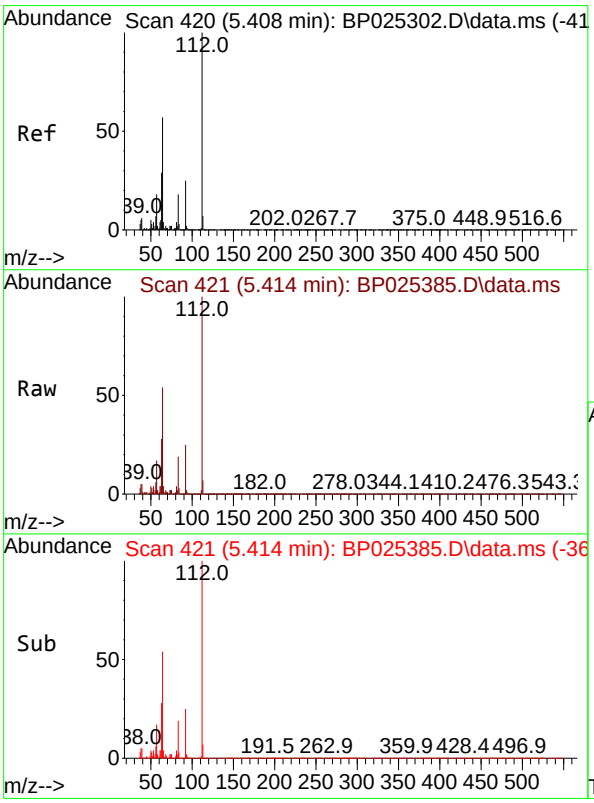
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion:152 Resp: 167625

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.1	187.7
115	58.2	48.4	72.6

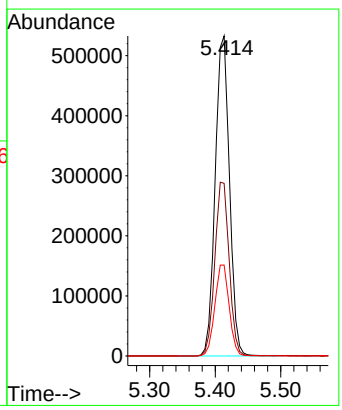


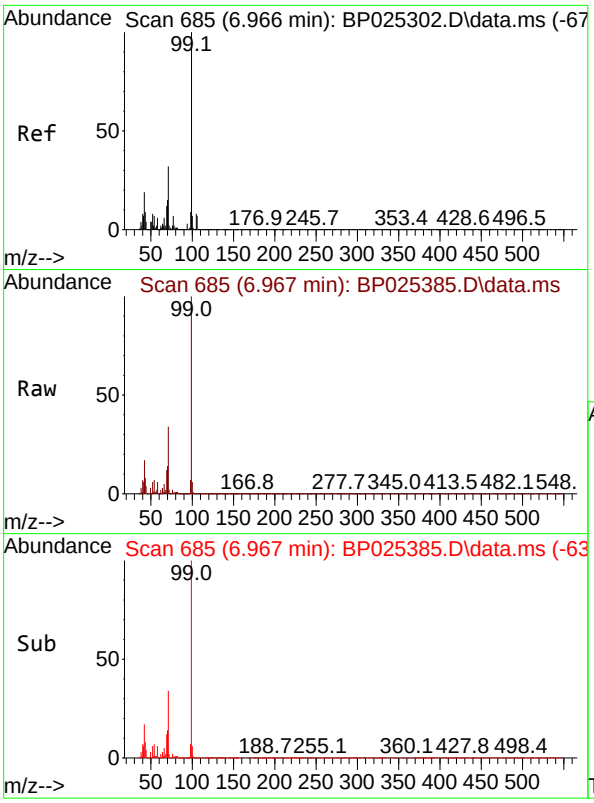


#5
2-Fluorophenol
Concen: 76.943 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:112 Resp: 801909

Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.3	67.9
63	28.4	23.0	34.6



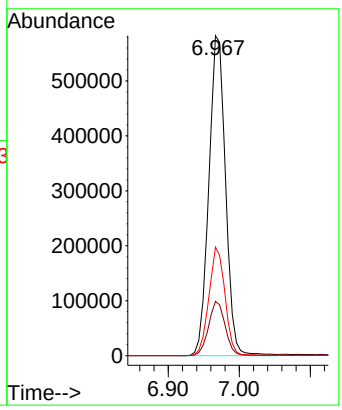


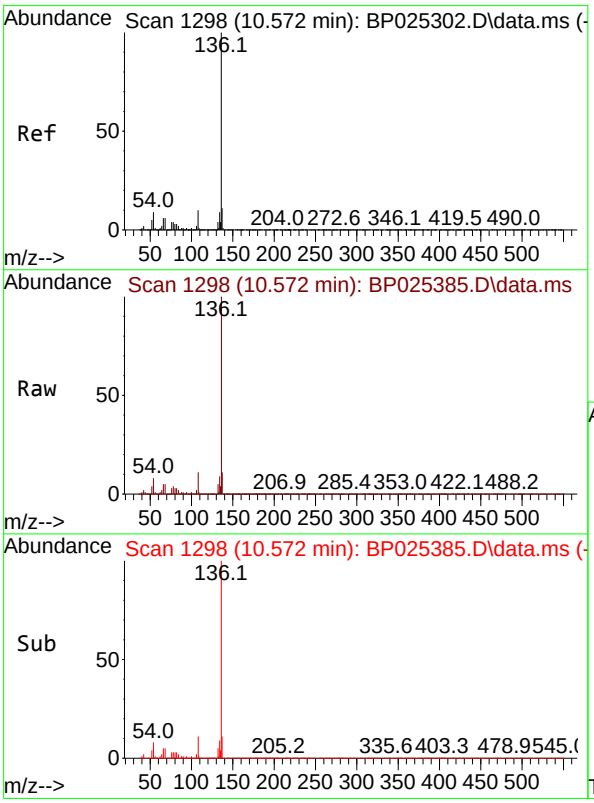
#7
Phenol-d6
Concen: 69.357 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.001 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion: 99 Resp: 951316

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.6
71	33.9	25.5	38.3

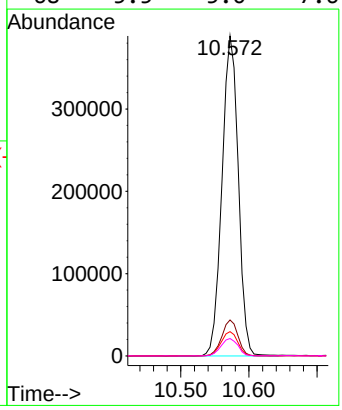


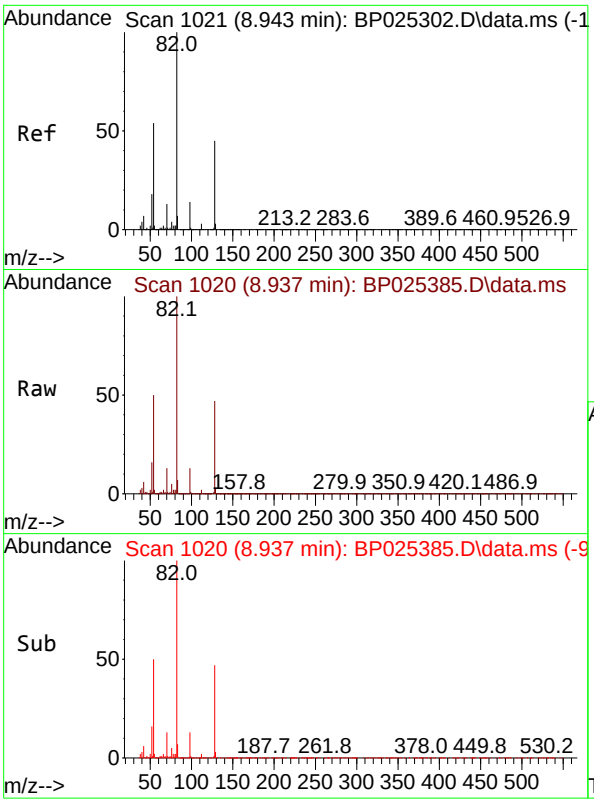


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:136 Resp: 647929

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.6	7.0	10.6
68	5.5	5.0	7.6



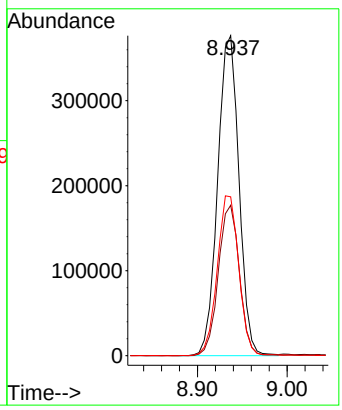


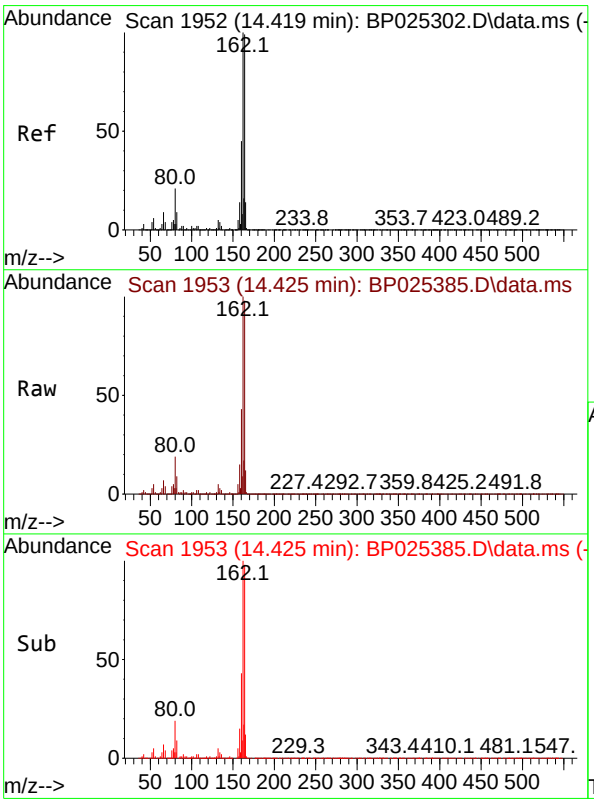
#23
Nitrobenzene-d5
Concen: 53.019 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion: 82 Resp: 620072

Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.4	53.2
54	49.6	42.9	64.3

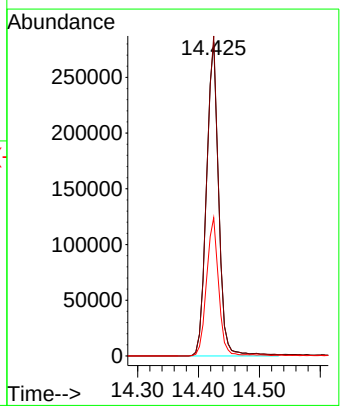


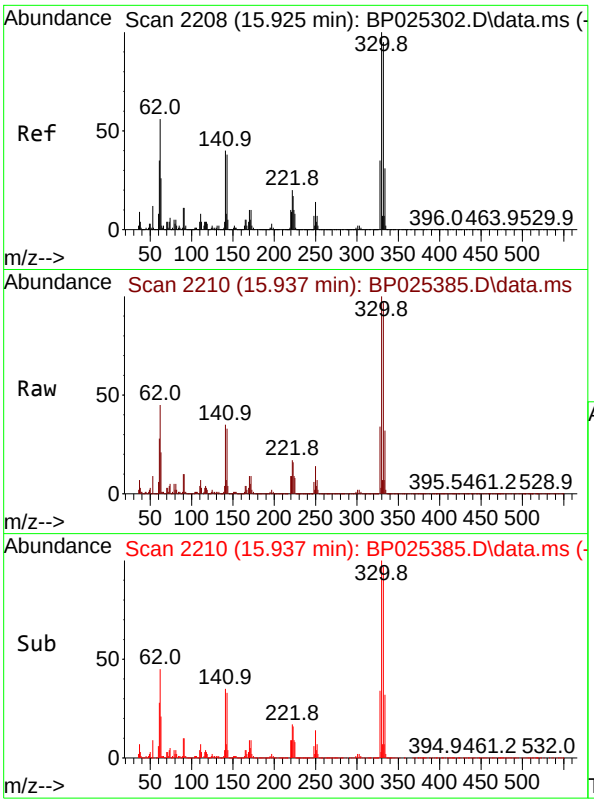


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:164 Resp: 392291

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	44.1	35.9	53.9



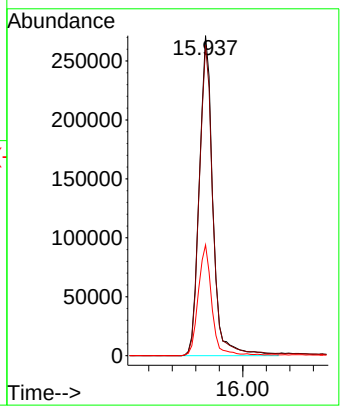


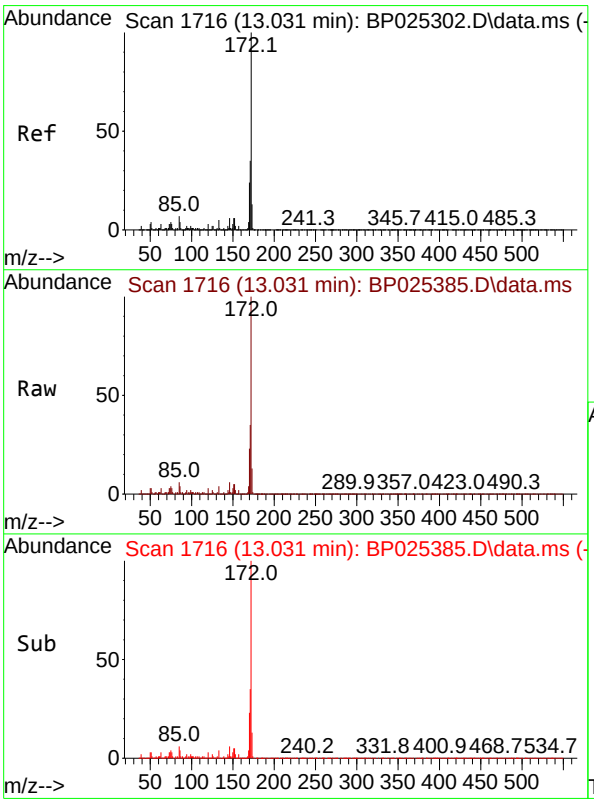
#42
2,4,6-Tribromophenol
Concen: 111.699 ng
RT: 15.937 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion:330 Resp: 437140

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	34.6	31.7	47.5

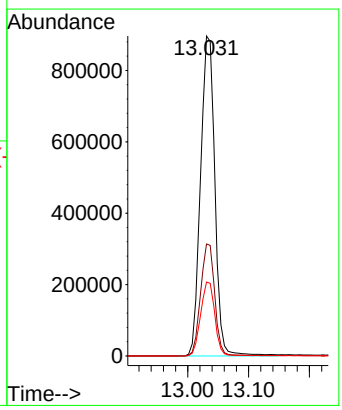


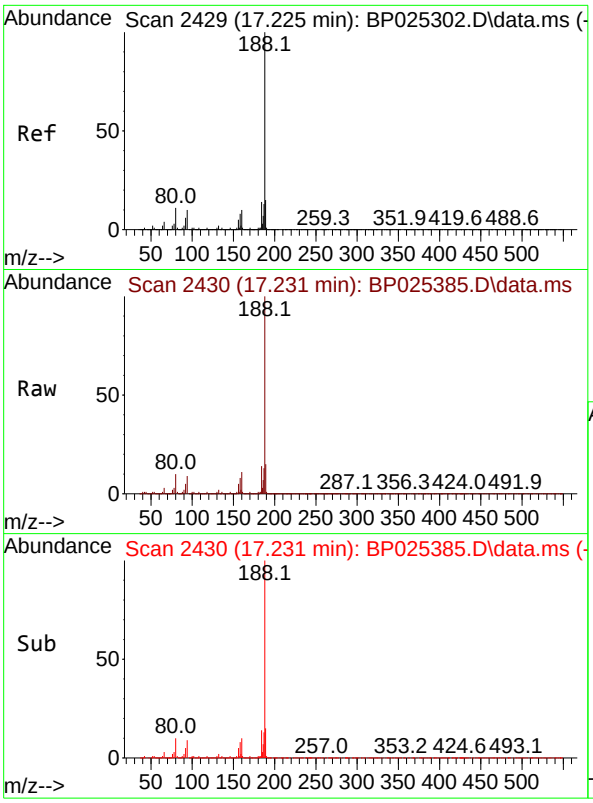


#45
2-Fluorobiphenyl
Concen: 51.619 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:172 Resp: 1466096

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.1	18.9	28.3



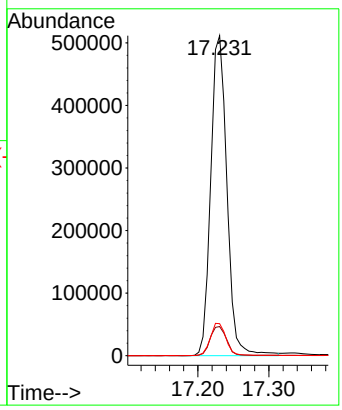


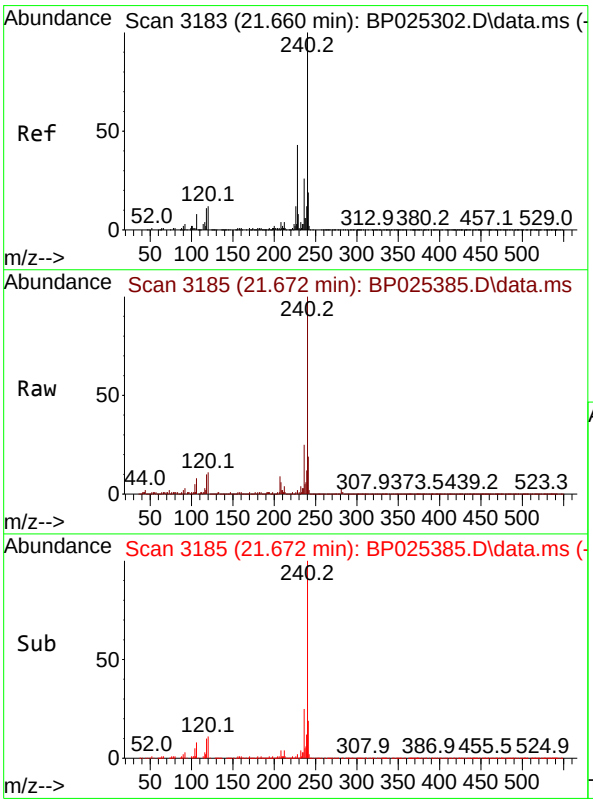
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion:188 Resp: 809211

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	10.0	8.5	12.7

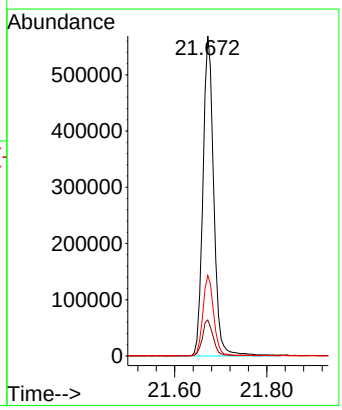


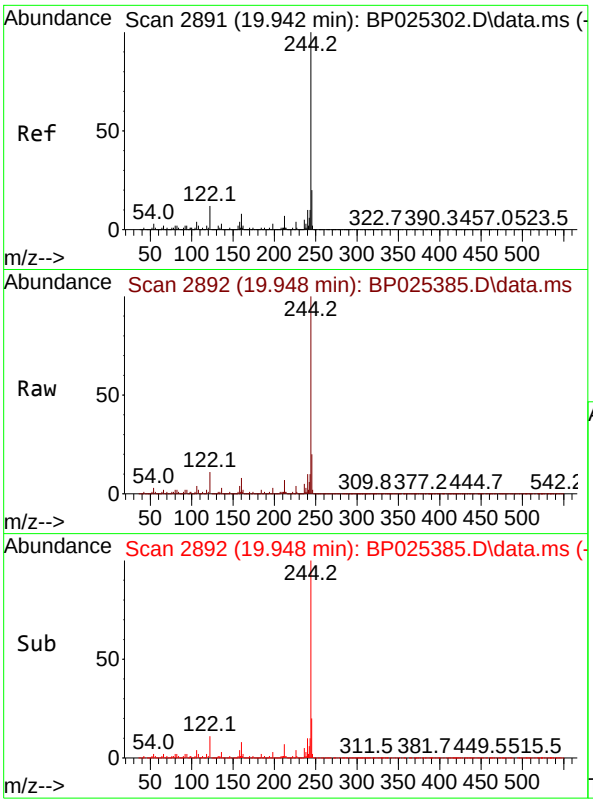


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:240 Resp: 934018

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	25.2	20.4	30.6



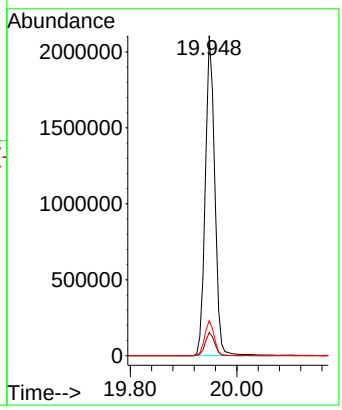


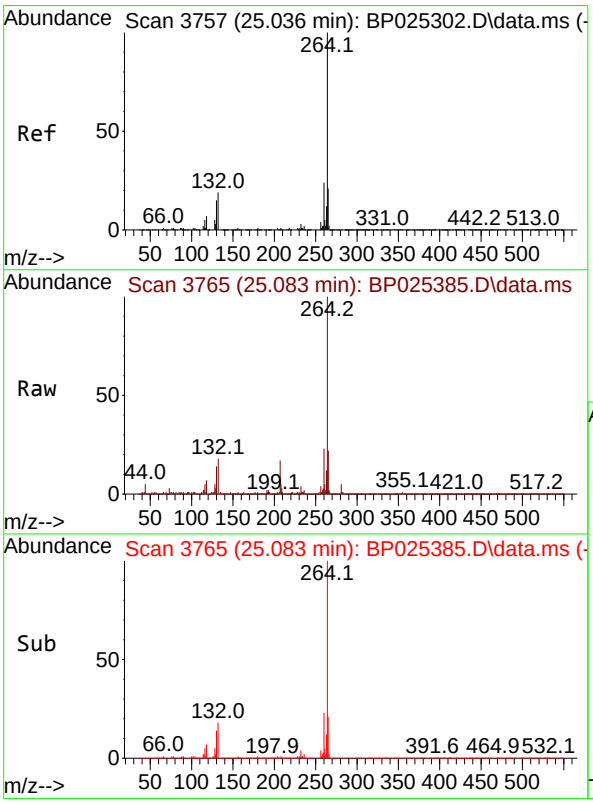
#79
Terphenyl-d14
Concen: 52.445 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Tgt Ion:244 Resp: 2593464

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.9	9.5	14.3

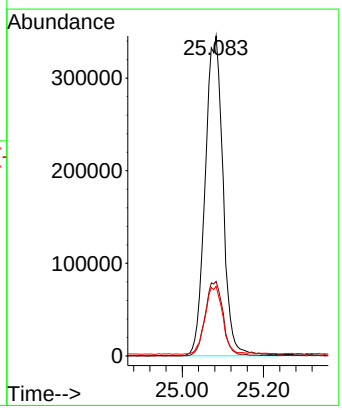




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.083 min Scan# 3765
Delta R.T. 0.047 min
Lab File: BP025385.D
Acq: 13 Aug 2025 15:27

Tgt Ion:264 Resp: 1049269

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025385.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.961	3	4	13	rVB2	163218	200269	2.86%	0.546%
2	3.043	13	18	28	rVB	823493	983710	14.04%	2.682%
3	4.949	336	342	350	rVB	182283	250060	3.57%	0.682%
4	5.414	413	421	431	rBV	1765949	2683003	38.29%	7.316%
5	6.967	678	685	703	rBV	1576978	2602955	37.15%	7.098%
6	7.796	816	826	834	rVB	589897	963820	13.76%	2.628%
7	8.937	1007	1020	1029	rBV	1101934	1839887	26.26%	5.017%
8	10.572	1290	1298	1306	rBV	771091	1297144	18.51%	3.537%
9	13.031	1709	1716	1737	rBV	2589558	4210456	60.09%	11.481%
10	14.425	1945	1953	1964	rBV	1175710	1632471	23.30%	4.451%
11	15.807	2182	2188	2196	rBV	143279	198665	2.84%	0.542%
12	15.937	2203	2210	2231	rBV	2059019	3374791	48.17%	9.203%
13	16.390	2281	2287	2296	rVB	81165	128183	1.83%	0.350%
14	17.231	2424	2430	2435	rBV2	1253343	1963156	28.02%	5.353%
15	17.642	2496	2500	2505	rBV	77004	91015	1.30%	0.248%
16	18.172	2584	2590	2599	rBV	440038	691814	9.87%	1.886%
17	18.248	2600	2603	2612	rVB	43875	71944	1.03%	0.196%
18	18.625	2662	2667	2674	rVB	91055	120926	1.73%	0.330%
19	19.066	2734	2742	2747	rBV6	34876	80967	1.16%	0.221%
20	19.342	2785	2789	2798	rBV	95290	174829	2.50%	0.477%
21	19.501	2812	2816	2824	rBV2	126738	219631	3.13%	0.599%
22	19.725	2850	2854	2860	rVB	100482	161223	2.30%	0.440%
23	19.948	2887	2892	2902	rBV	5691077	7006633	100.00%	19.106%
24	21.348	3126	3130	3141	rBV	379994	621674	8.87%	1.695%
25	21.672	3179	3185	3191	rBV2	1547570	2551320	36.41%	6.957%
26	25.083	3756	3765	3775	rVB2	887742	2551835	36.42%	6.958%

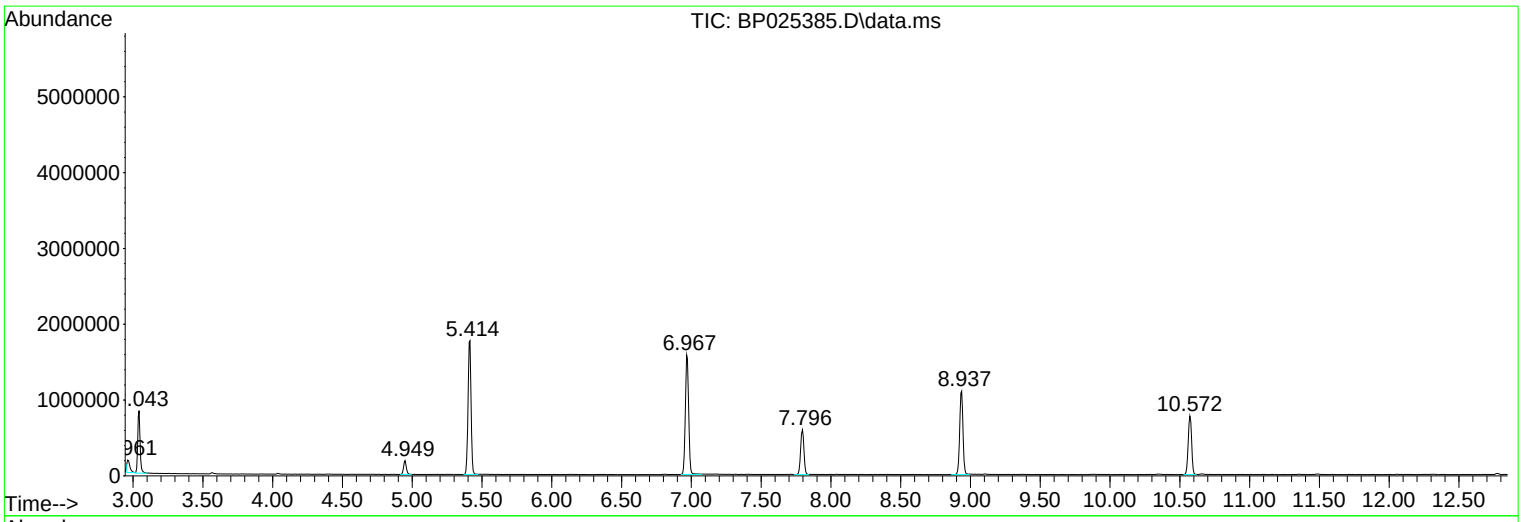
Sum of corrected areas: 36672381

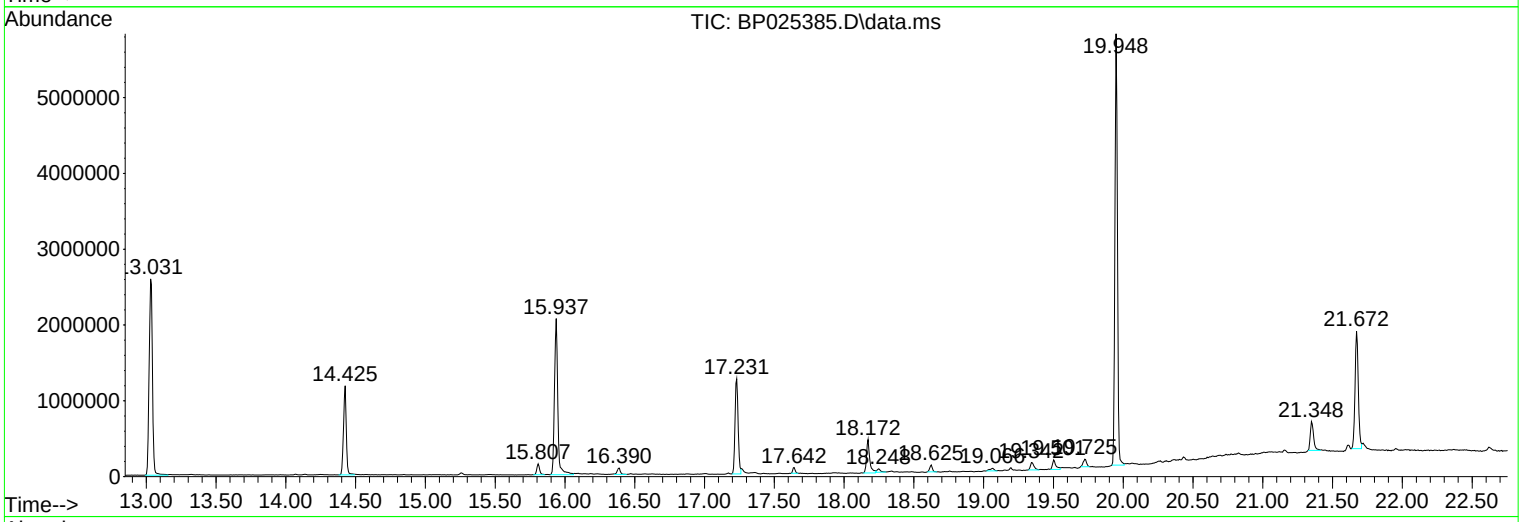
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

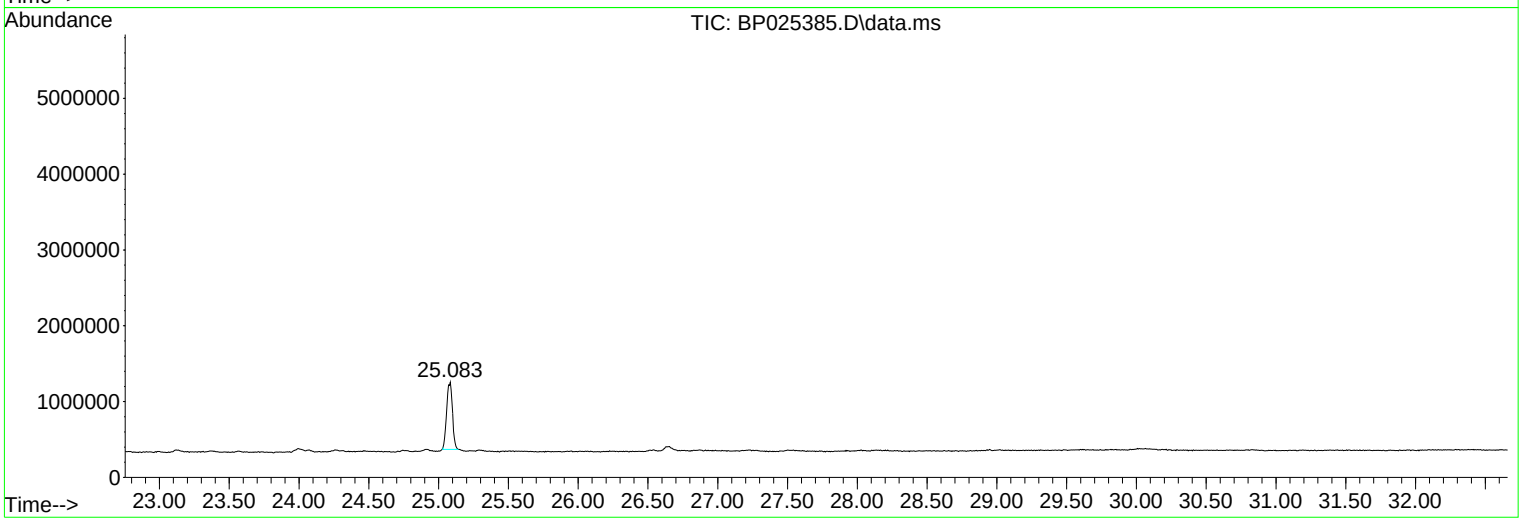
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

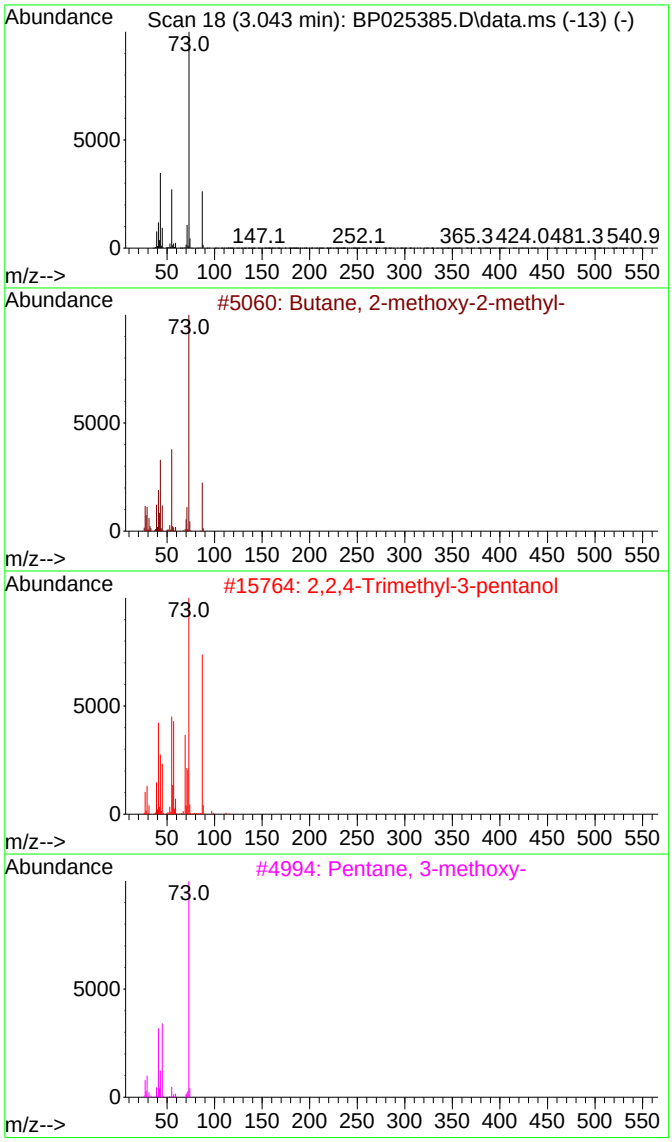
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

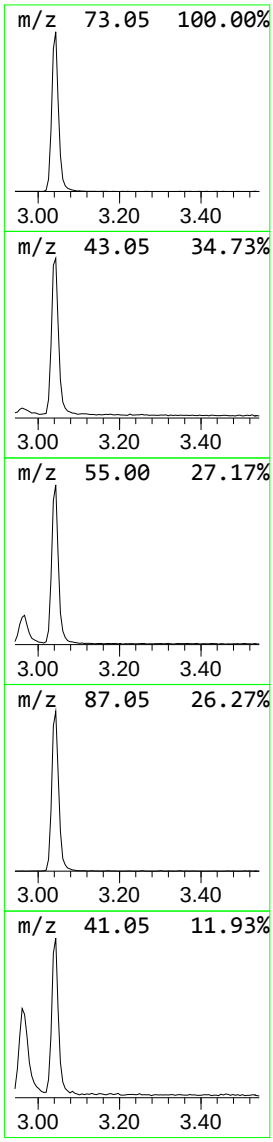
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	20.41 ng	983710	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

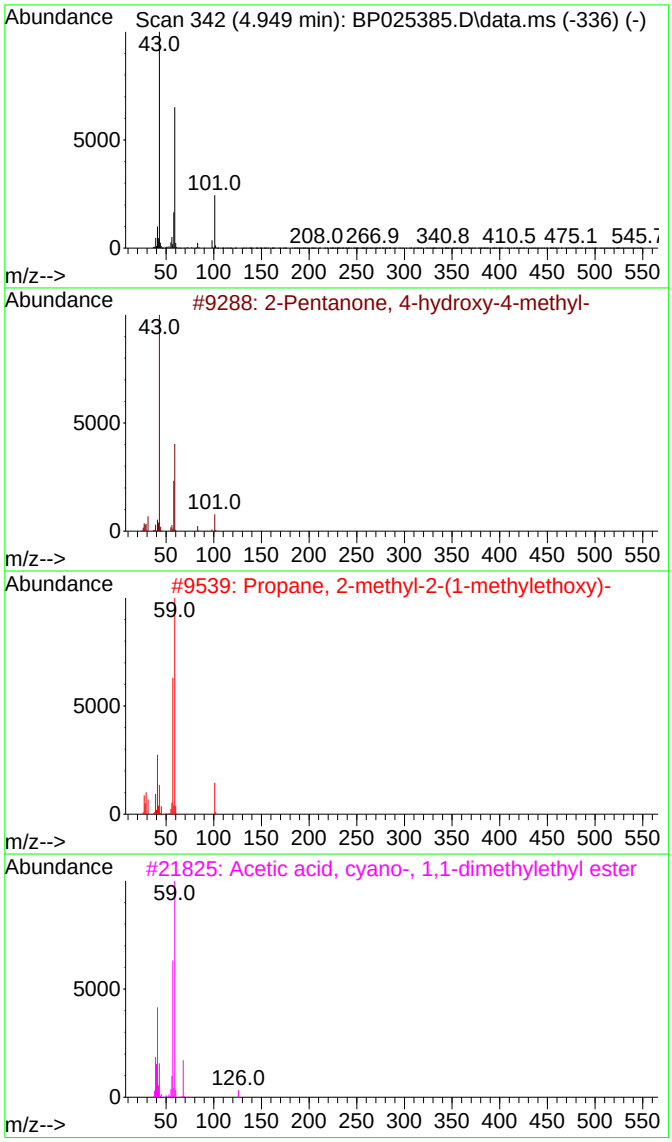
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

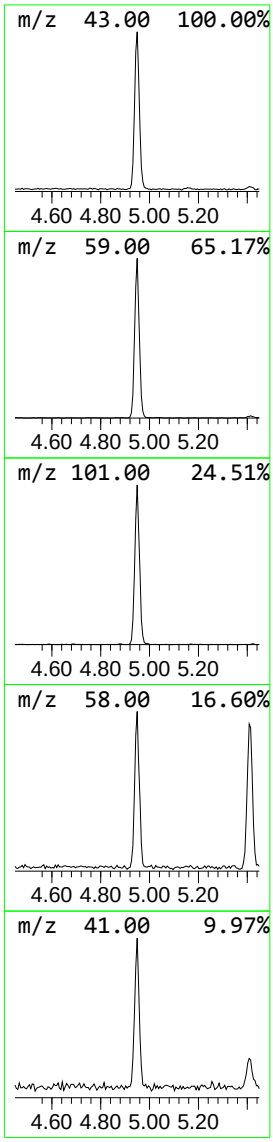
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	5.19 ng	250060	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Hexanamide	115	C6H13NO	000628-02-4	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

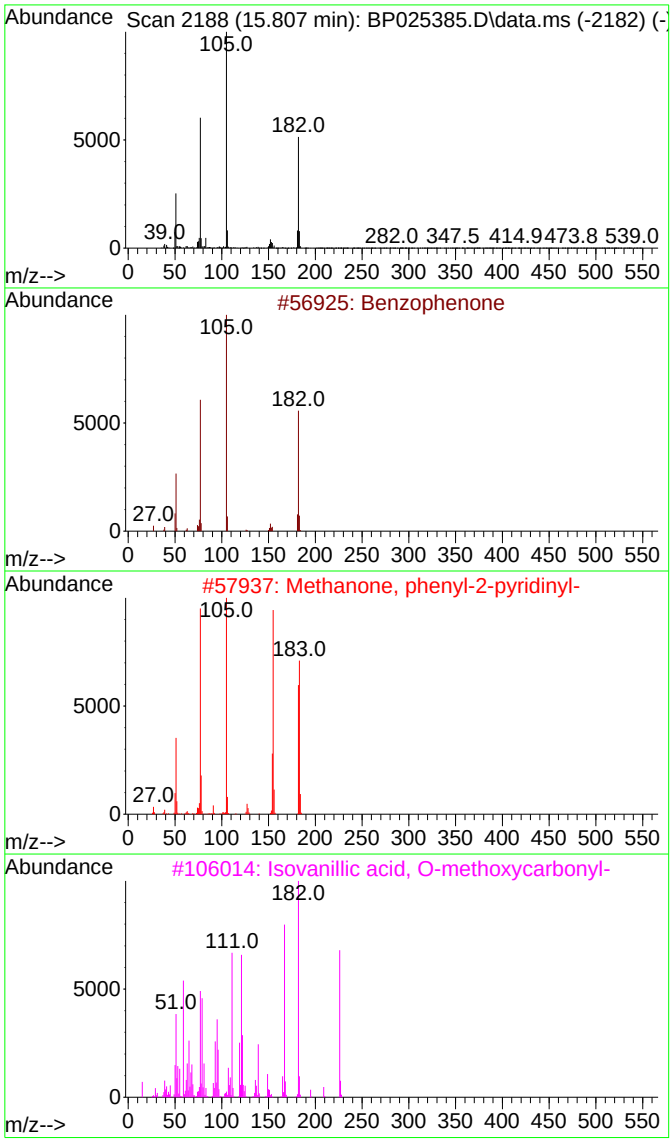
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

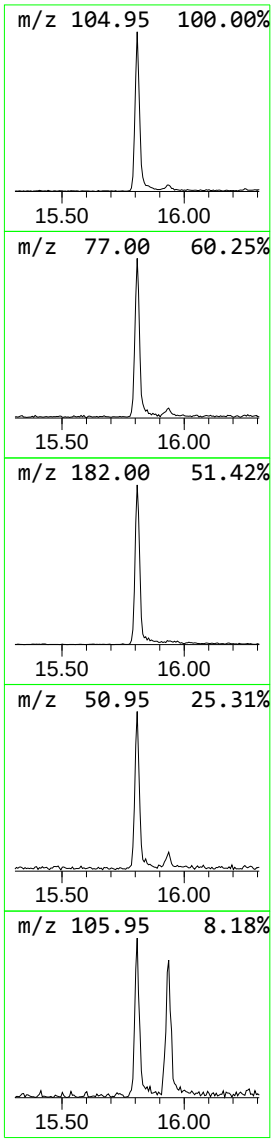
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.807	2.43 ng	198665	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
3	Isovanillic acid, O-methoxycarbo...	226	C10H10O6	1000487-72-5	43
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	40
5	Ethanone, 2-amino-1-phenyl-	135	C8H9NO	000613-89-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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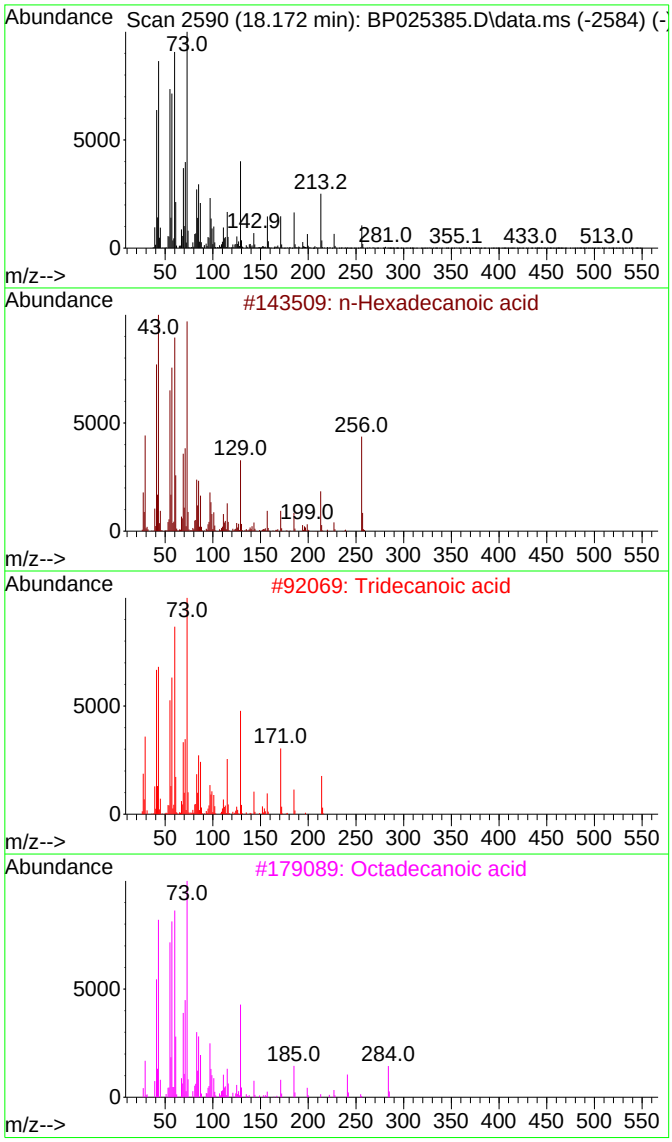
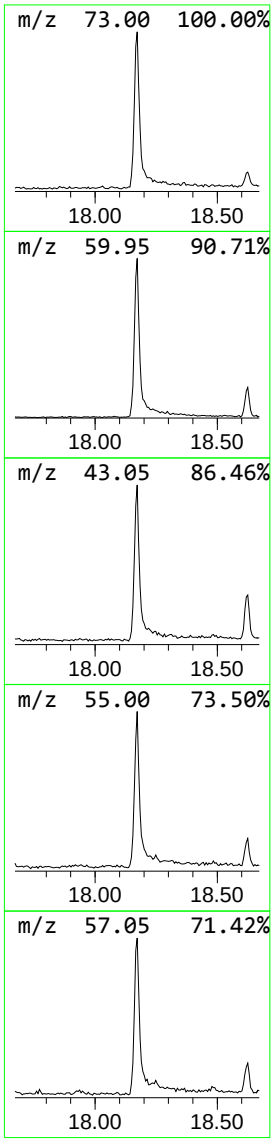
Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	7.05 ng	691814	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	96
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	Dodecanoic acid	200	C12H24O2	000143-07-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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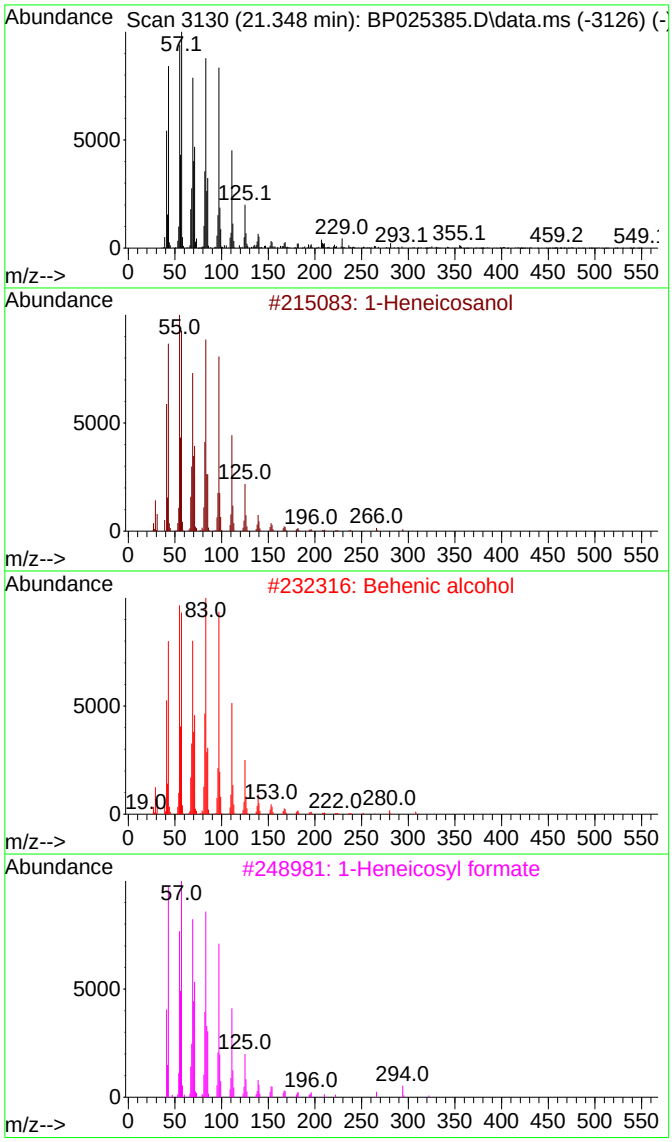
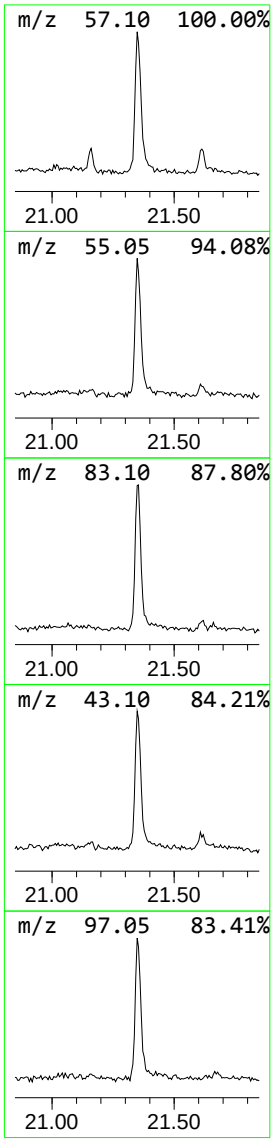
Peak Number 6 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.348	4.87 ng	621674	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
4	1-Hexacosene	364	C26H52	018835-33-1	94
5	Pentacos-1-ene	350	C25H50	016980-85-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025385.D
Acq On : 13 Aug 2025 15:27
Operator : CG/JU
Sample : Q2820-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	20.4	ng	983710	1	7.796	963820	20.0
2-Pentanone, 4-...	4.949	5.2	ng	250060	1	7.796	963820	20.0
Benzophenone	15.807	2.4	ng	198665	3	14.425	1632470	20.0
n-Hexadecanoic ...	18.172	7.0	ng	691814	4	17.231	1963160	20.0
1-Heneicosanol	21.348	4.9	ng	621674	5	21.672	2551320	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	550	U	320	550	670	ug/Kg
108-95-2	Phenol	270	U	45.2	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	49.6	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	49.9	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.1	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	76.6	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.3	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	550	U	84.0	550	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	96.8	160	160	ug/Kg
67-72-1	Hexachloroethane	270	U	36.0	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.4	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.0	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	62.9	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	57.8	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.4	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	72.3	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	51.7	270	350	ug/Kg
105-60-2	Caprolactam	550	U	110	550	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	58.6	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.3	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	550	U	240	550	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.5	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	59.5	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	44.5	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.0	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	98.3	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.4	270	350	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.0	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	68.6	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.0	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.5	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	550	U	470	550	670	ug/Kg
100-02-7	4-Nitrophenol	550	U	220	550	670	ug/Kg
132-64-9	Dibenzofuran	270	U	46.4	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	57.8	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	54.5	270	350	ug/Kg
86-73-7	Fluorene	270	U	51.7	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	210	550	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.2	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	56.8	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	51.7	270	350	ug/Kg
1912-24-9	Atrazine	270	U	69.5	270	350	ug/Kg
87-86-5	Pentachlorophenol	550	U	100	550	670	ug/Kg
85-01-8	Phenanthrene	270	U	42.7	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.0	270	350	ug/Kg
86-74-8	Carbazole	270	U	63.7	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	97.9	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.3	270	350	ug/Kg
129-00-0	Pyrene	270	U	73.5	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550	U	75.0	550	670	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.0	270	350	ug/Kg
218-01-9	Chrysene	270	U	40.7	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	550	U	180	550	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	38.8	270	350	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	45.8	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.3	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	59.5	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.0	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	52.5	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.3	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	92.3	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.0	270	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117		35 - 115		78%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		37 - 122		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		39 - 132		102%	SPK: 150
1718-51-0	Terphenyl-d14	45.7	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	175000	7.796				
1146-65-2	Naphthalene-d8	681000	10.572				
15067-26-2	Acenaphthene-d10	417000	14.413				
1517-22-2	Phenanthrene-d10	829000	17.207				
1719-03-5	Chrysene-d12	887000	21.654				
1520-96-3	Perylene-d12	1030000	25.054				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB			4.96	ug/Kg
65-85-0	Benzoic acid	470	J			9.81	ug/Kg
000119-61-9	Benzophenone	290	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	650	J			18.1	ug/Kg
000057-11-4	Octadecanoic acid	150	J			19.5	ug/Kg
015594-90-8	1-Heneicosanol	490	J			21.3	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
018835-33-1	1-Hexacosene	230	J			22.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Quant Time: Aug 13 13:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	174858	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	681358	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	417011	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	828990	20.000	ng	-0.02
76) Chrysene-d12	21.654	240	887231	20.000	ng	0.00
86) Perylene-d12	25.054	264	1030586	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1275397	117.312	ng	0.00
7) Phenol-d6	6.972	99	1576356	110.172	ng	0.00
23) Nitrobenzene-d5	8.937	82	966402	78.578	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	638623	153.509	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	1683613	55.764	ng	0.00
79) Terphenyl-d14	19.919	244	2147818	45.724	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	9.807	122	5342m	6.903	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 13:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
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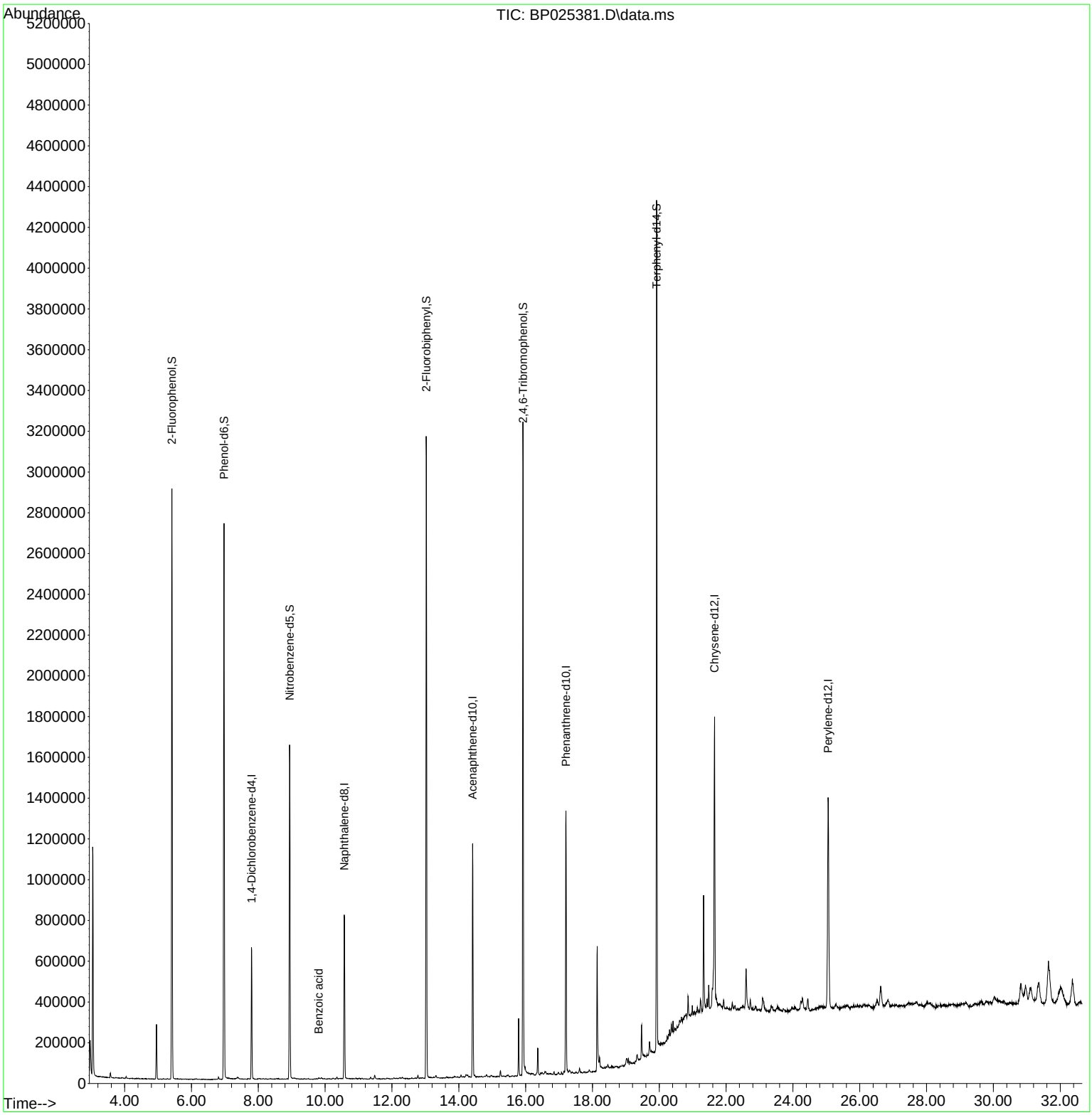
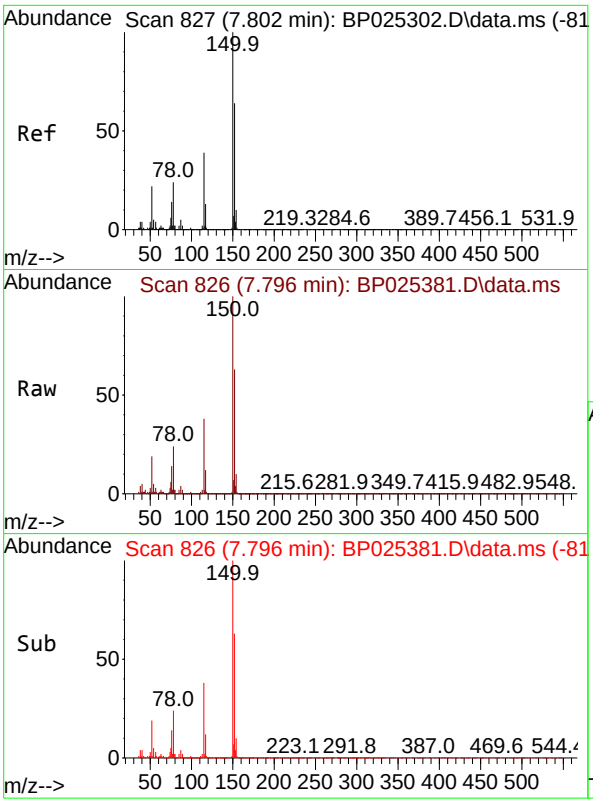
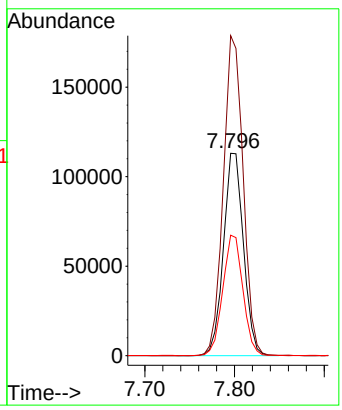




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:152 Resp: 17485

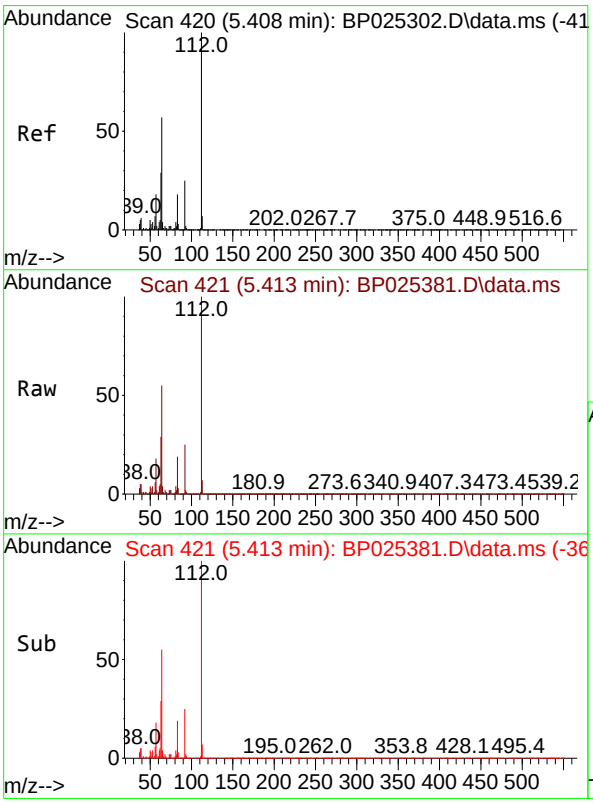
Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.1	187.7
115	59.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
APPROVED

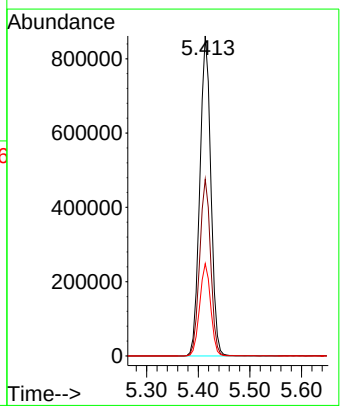
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

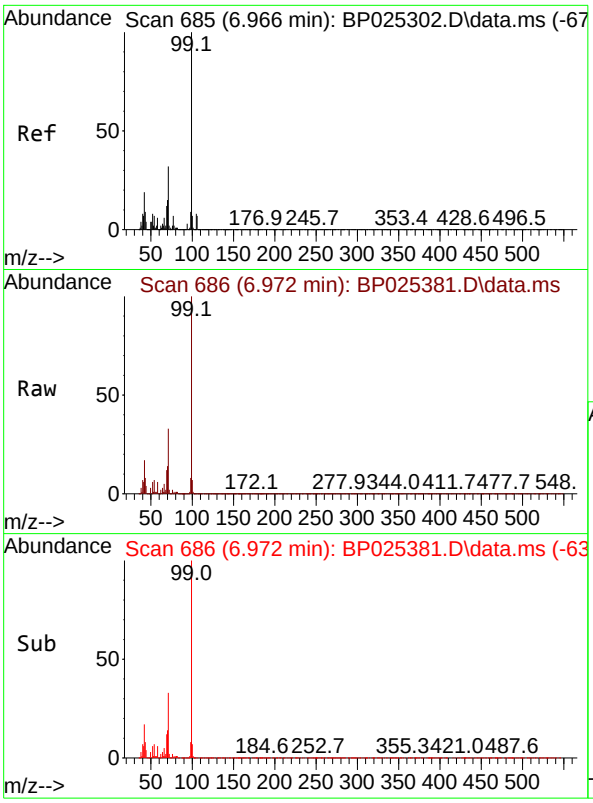


#5
2-Fluorophenol
Concen: 117.312 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:112 Resp: 1275397

Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.3	67.9
63	28.9	23.0	34.6

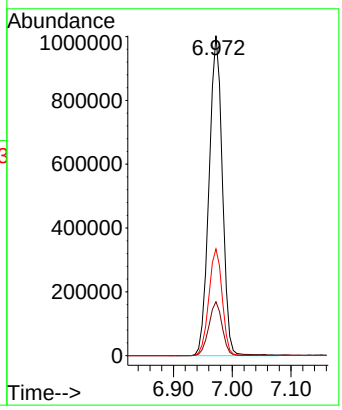




#7
Phenol-d6
Concen: 110.172 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion: 99 Resp: 157635

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.3	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
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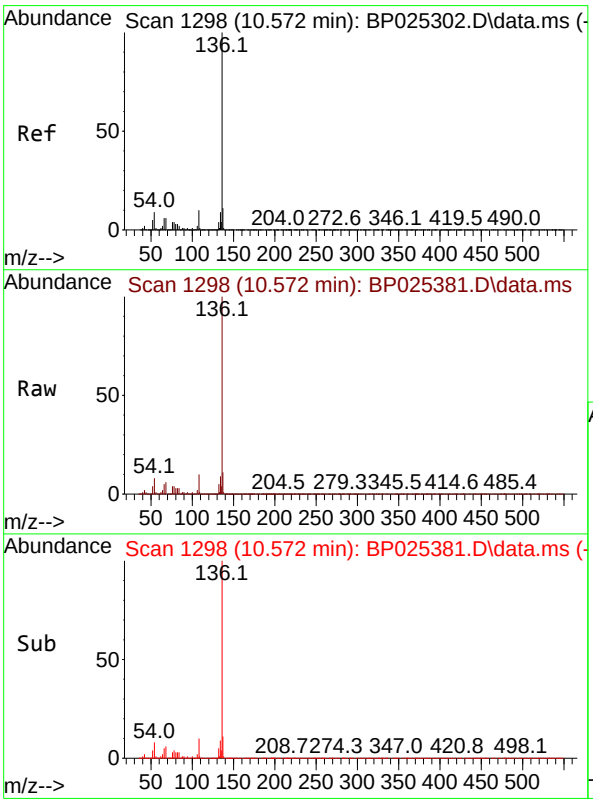
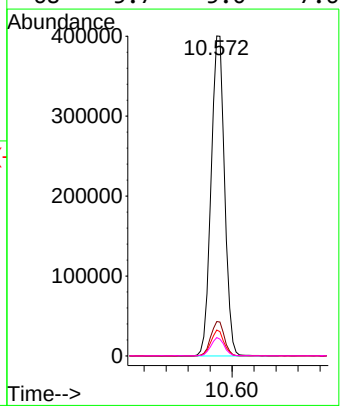
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

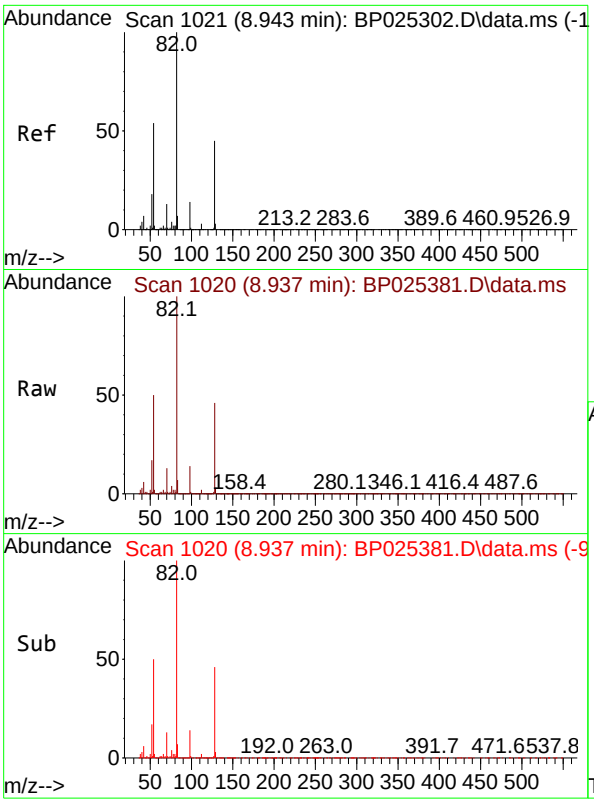


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:136 Resp: 681358

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.1	7.0	10.6
68	5.7	5.0	7.6

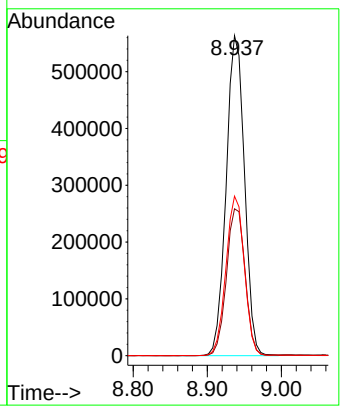




#23
Nitrobenzene-d5
Concen: 78.578 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion: 82 Resp: 96640

Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.4	53.2
54	49.9	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
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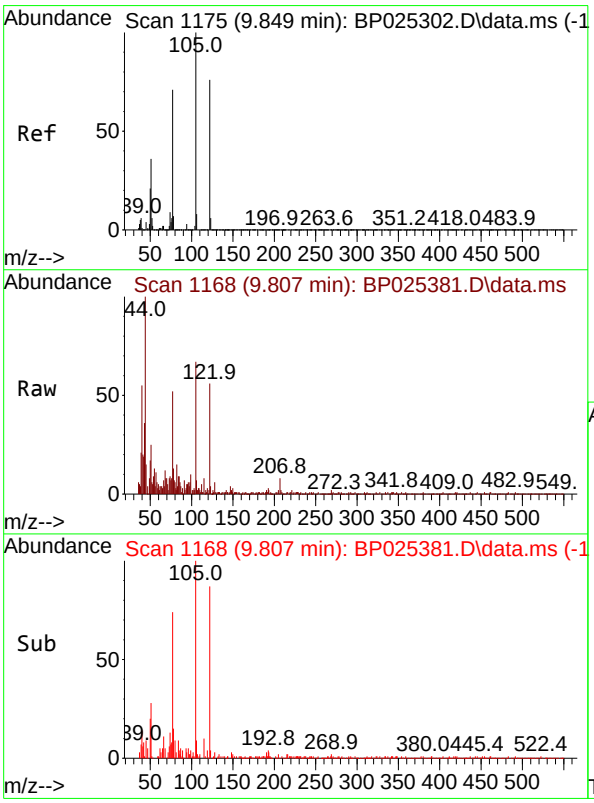
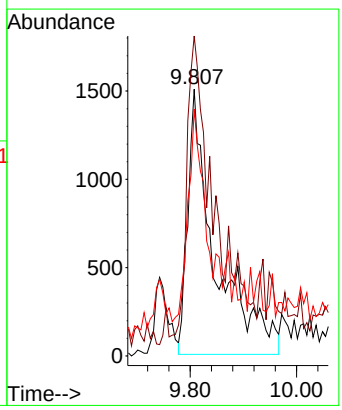
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

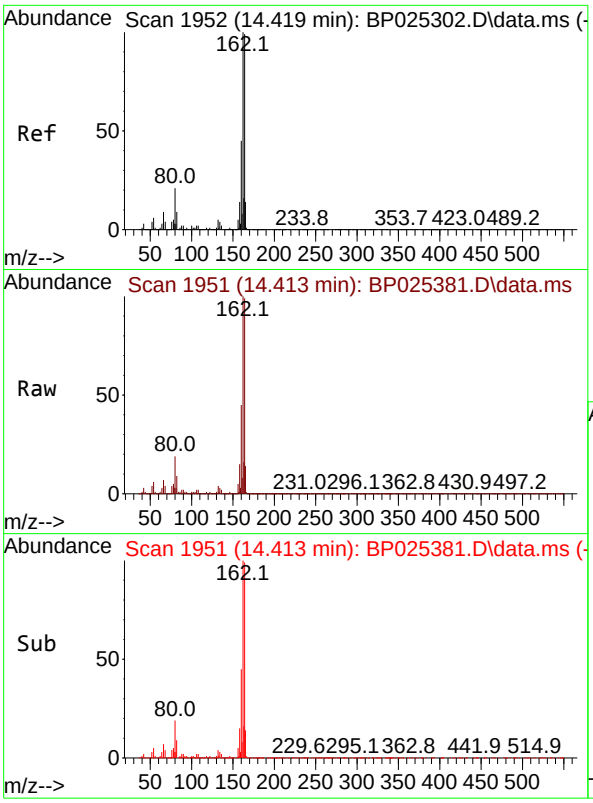


#32
Benzoic acid
Concen: 6.903 ng m
RT: 9.807 min Scan# 1168
Delta R.T. -0.042 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:122 Resp: 5342

Ion	Ratio	Lower	Upper
122	100		
105	120.0	104.0	144.0
77	92.6	71.8	111.8

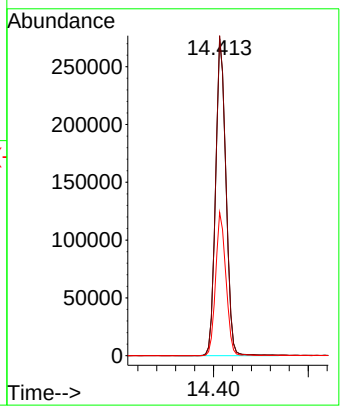




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:164 Resp: 41701

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.2	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
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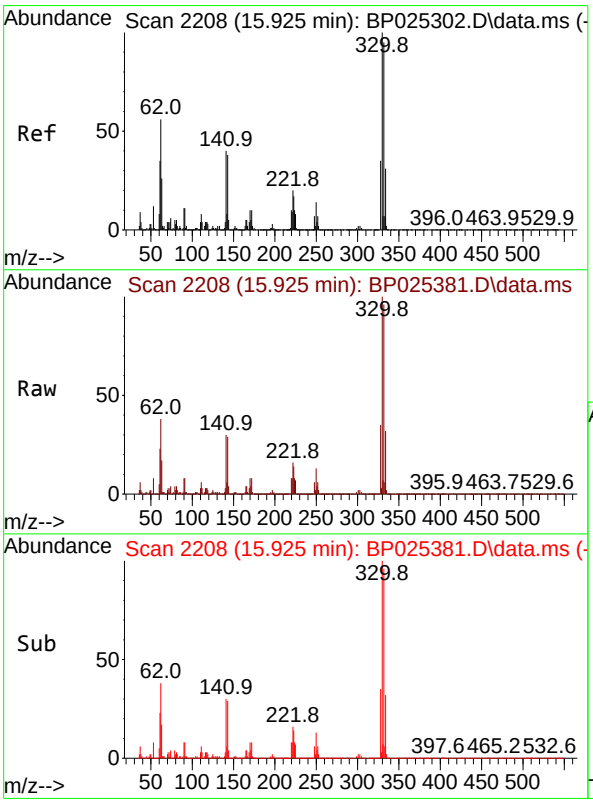
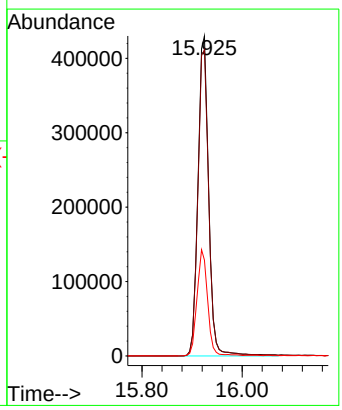
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

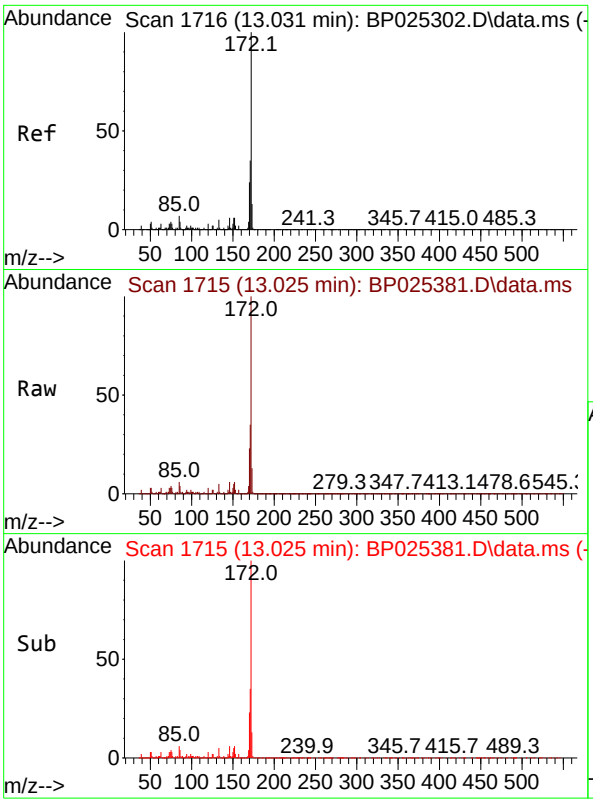


#42
2,4,6-Tribromophenol
Concen: 153.509 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:330 Resp: 638623

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	32.7	31.7	47.5

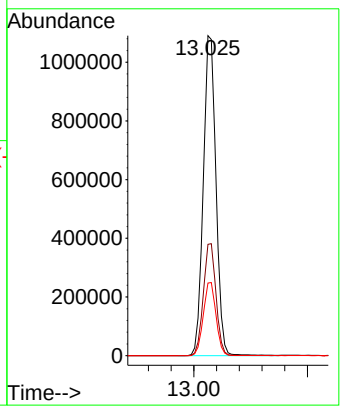




#45
2-Fluorobiphenyl
Concen: 55.764 ng
RT: 13.025 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:172 Resp: 168361

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	22.7	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
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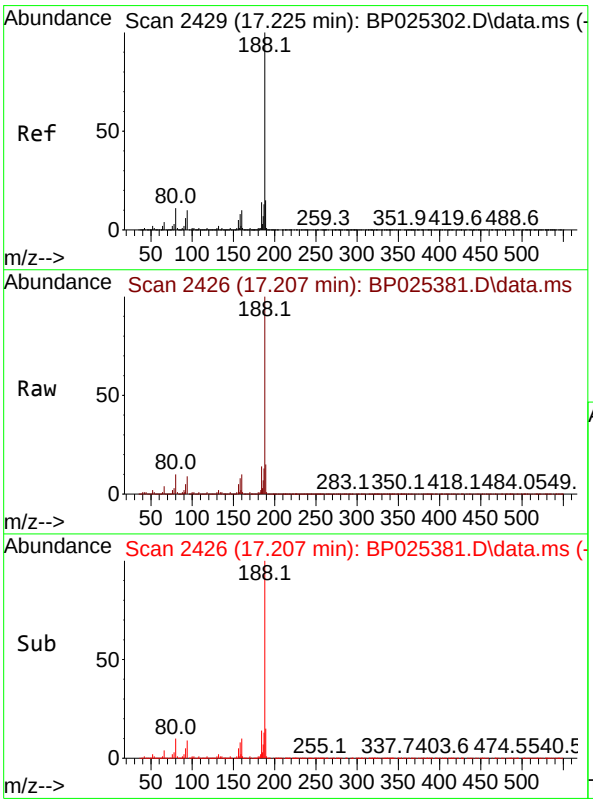
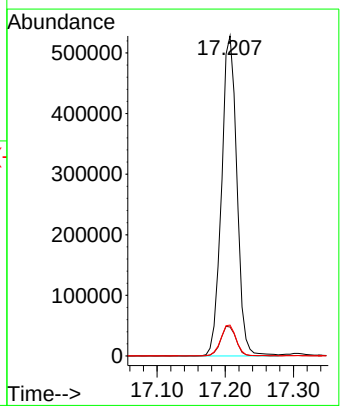
Supervised By :Jagrut Upadhyay 08/14/2025

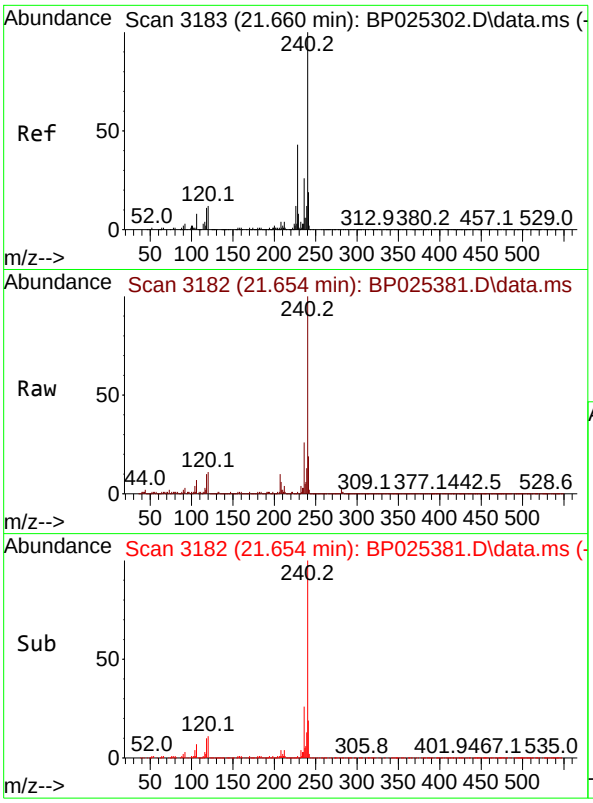


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:188 Resp: 828990

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.6	8.5	12.7

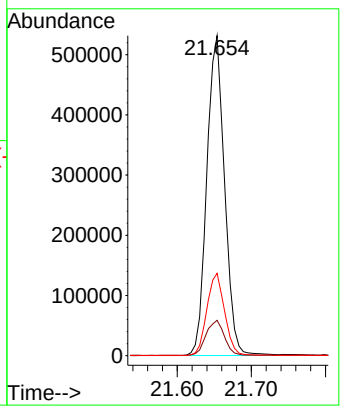




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:240 Resp: 88723

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.6	14.4
236	25.8	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
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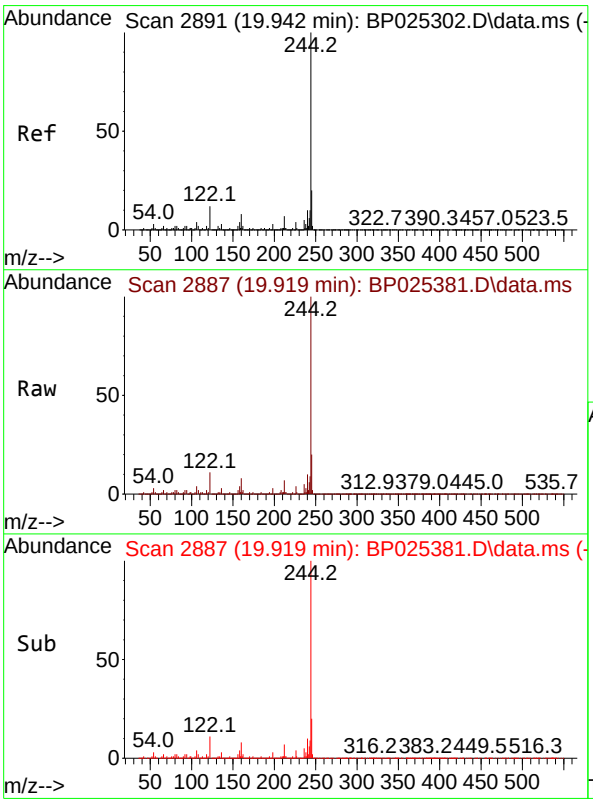
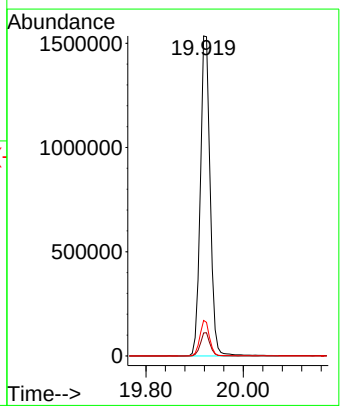
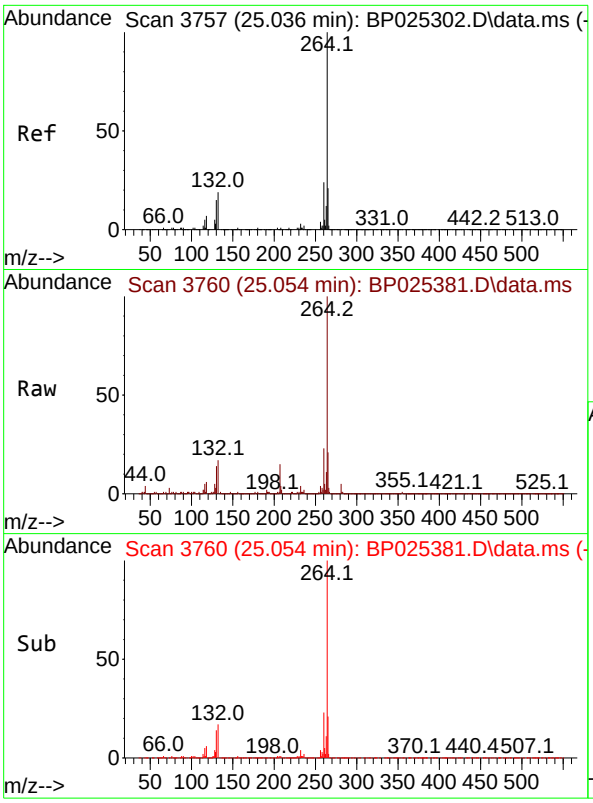


#79
Terphenyl-d14
Concen: 45.724 ng
RT: 19.919 min Scan# 2887
Delta R.T. -0.023 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:244 Resp: 2147818

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.1	9.5	14.3

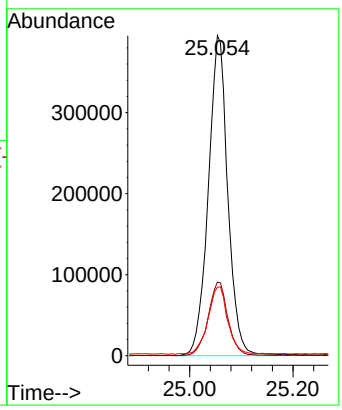




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.054 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:264 Resp: 103058

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
518R-E

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025381.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	163030	263179	4.58%	0.604%
2	3.043	13	18	34	rVB	1123203	1673036	29.14%	3.838%
3	4.955	336	343	353	rVB	269459	396175	6.90%	0.909%
4	5.413	413	421	435	rBV	2897278	4271807	74.40%	9.799%
5	6.972	678	686	698	rBV	2727351	4323713	75.30%	9.918%
6	7.796	820	826	835	rBV	647632	1007028	17.54%	2.310%
7	8.937	1012	1020	1031	rBV	1640123	2845723	49.56%	6.528%
8	10.572	1291	1298	1306	rBV	804409	1362407	23.73%	3.125%
9	13.025	1708	1715	1726	rBV	3150598	4819166	83.93%	11.055%
10	14.413	1944	1951	1959	rBV	1146705	1749173	30.46%	4.013%
11	15.248	2087	2093	2100	rBV2	30752	57879	1.01%	0.133%
12	15.789	2179	2185	2194	rBV	281987	367707	6.40%	0.844%
13	15.919	2200	2207	2217	rBV	3207861	4699817	81.85%	10.781%
14	16.360	2278	2282	2291	rVB	131205	196459	3.42%	0.451%
15	17.207	2419	2426	2436	rBV2	1280884	1999912	34.83%	4.588%
16	18.142	2579	2585	2594	rBV	613368	961274	16.74%	2.205%
17	18.213	2594	2597	2602	rVB	50380	80123	1.40%	0.184%
18	19.472	2807	2811	2818	rBV	162508	253307	4.41%	0.581%
19	19.707	2847	2851	2857	rBV	59034	103833	1.81%	0.238%
20	19.919	2882	2887	2895	rBV	4163618	5741685	100.00%	13.171%
21	20.860	3045	3047	3053	rVB3	95563	118871	2.07%	0.273%
22	21.324	3122	3126	3138	rBV	560507	824224	14.36%	1.891%
23	21.477	3150	3152	3157	rVB	113217	144868	2.52%	0.332%
24	21.654	3177	3182	3188	rVB	1380259	2289787	39.88%	5.253%
25	22.595	3339	3342	3354	rVB	190069	392175	6.83%	0.900%
26	25.054	3752	3760	3772	rVB	1025754	2649482	46.14%	6.078%

Sum of corrected areas: 43592810

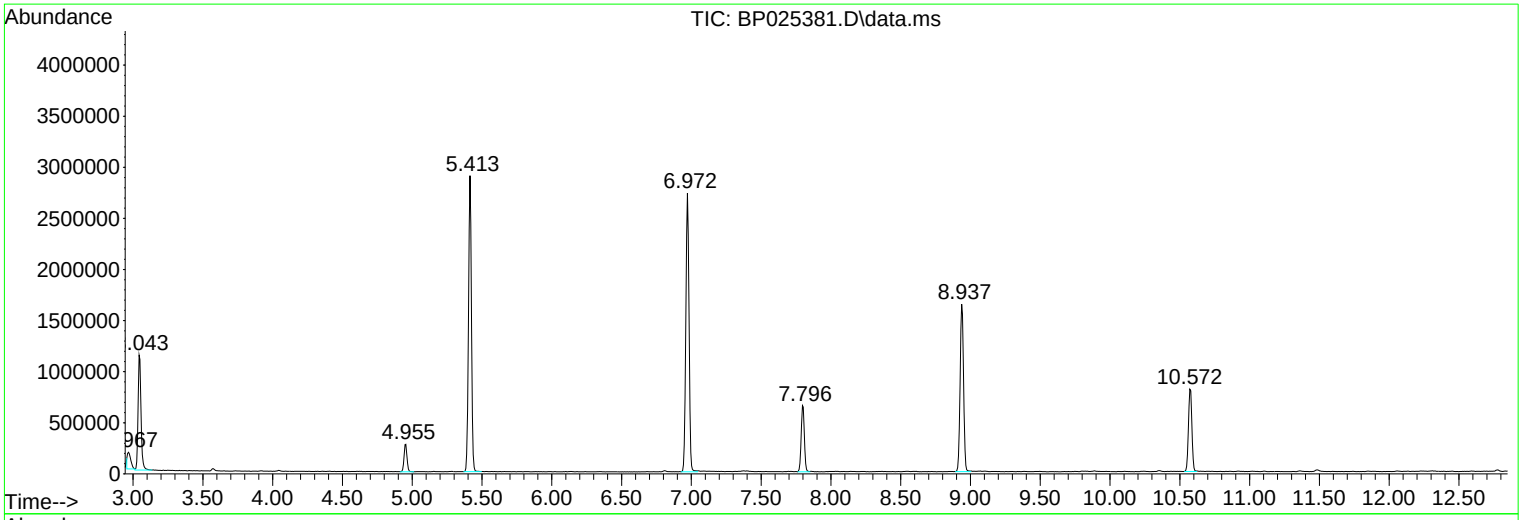
Sample Results: **BP025381.D**

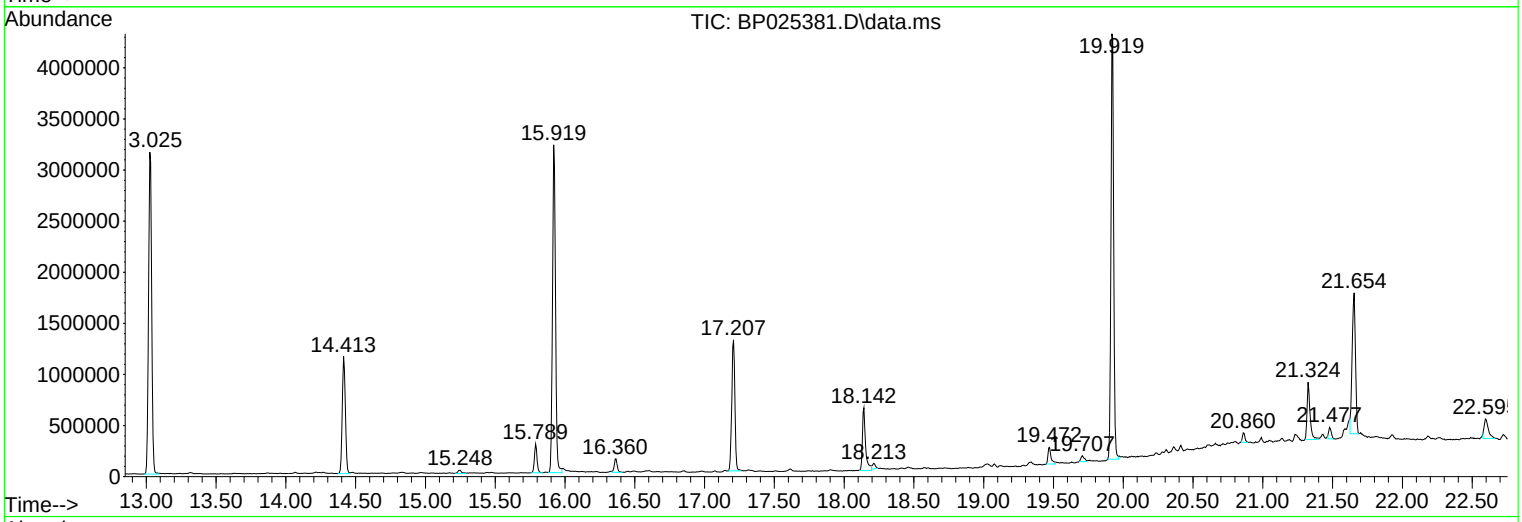
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

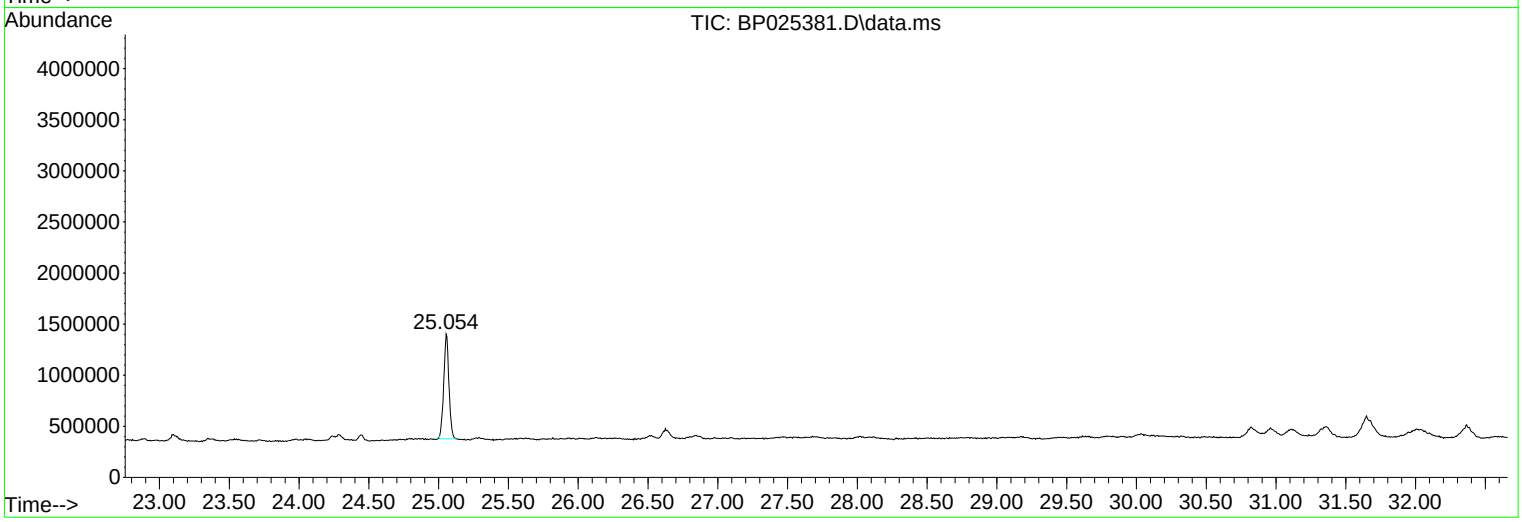
Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

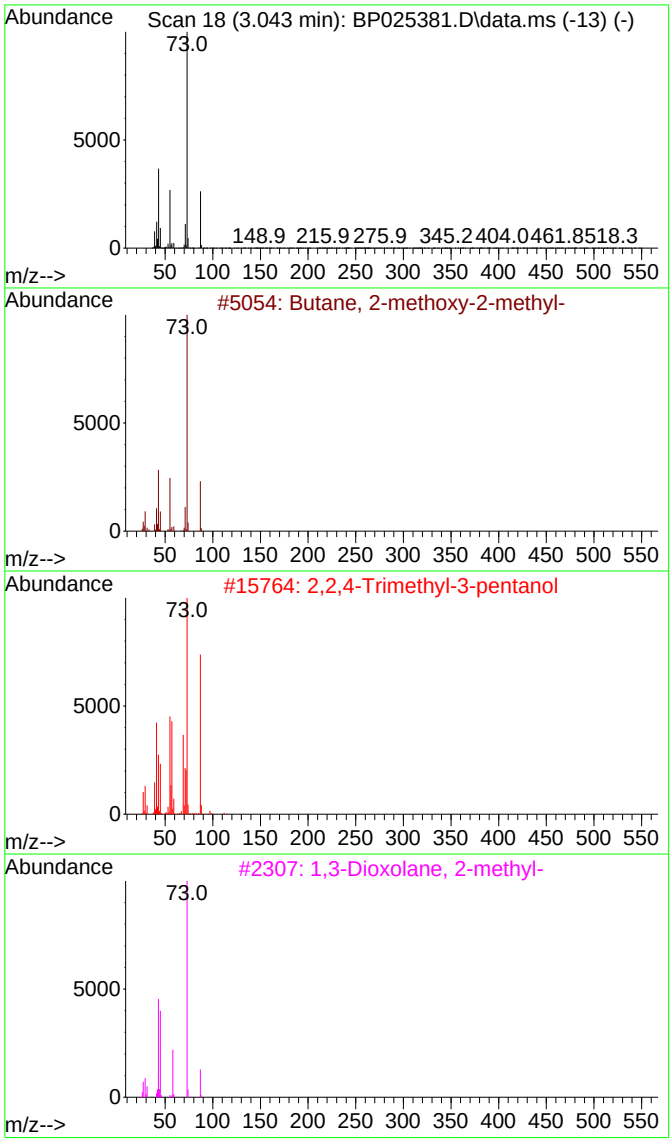
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

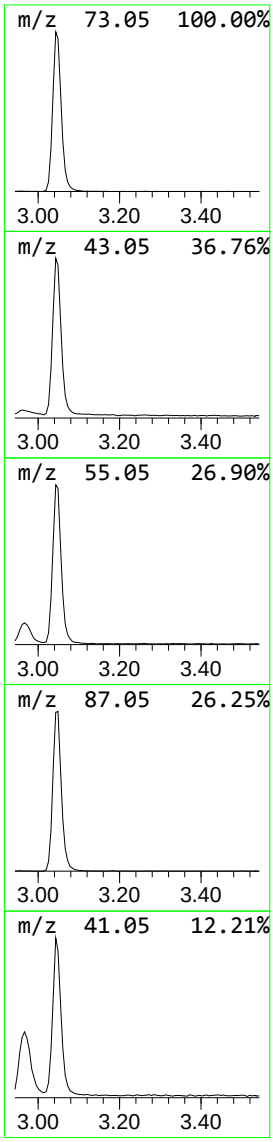
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	33.23 ng	1673040	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

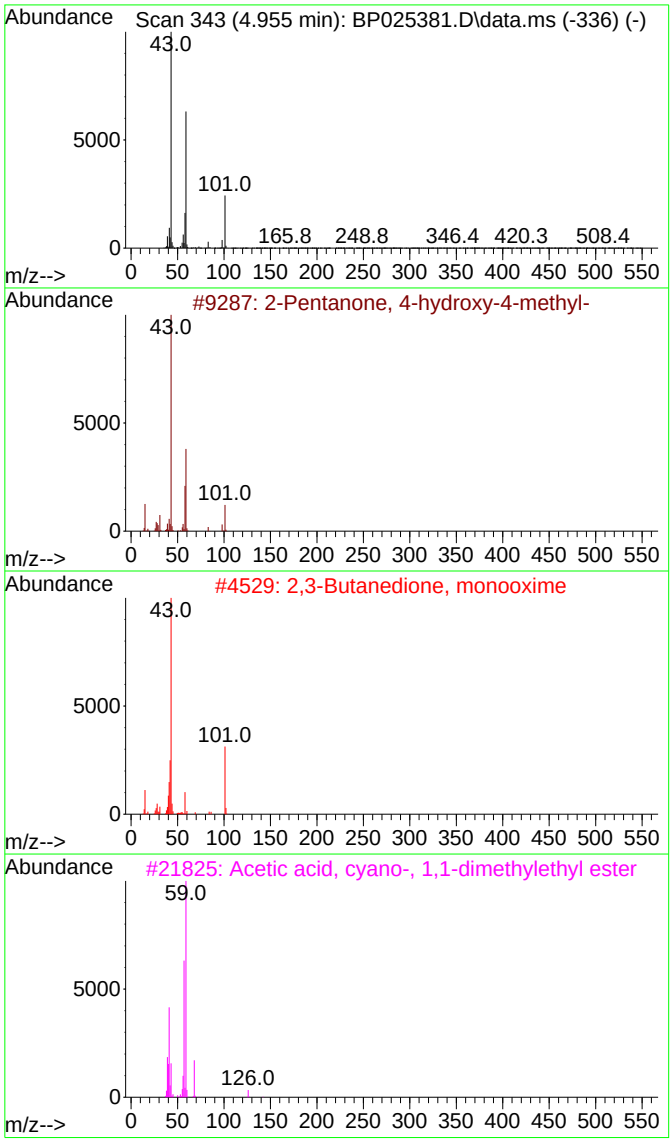
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

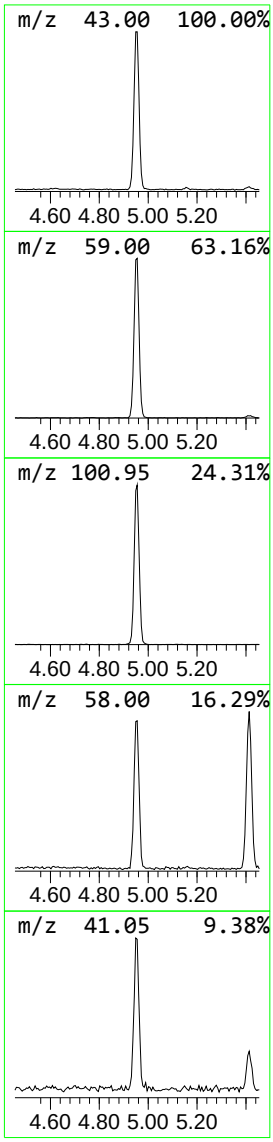
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.955	7.87 ng	396175	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9
5	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

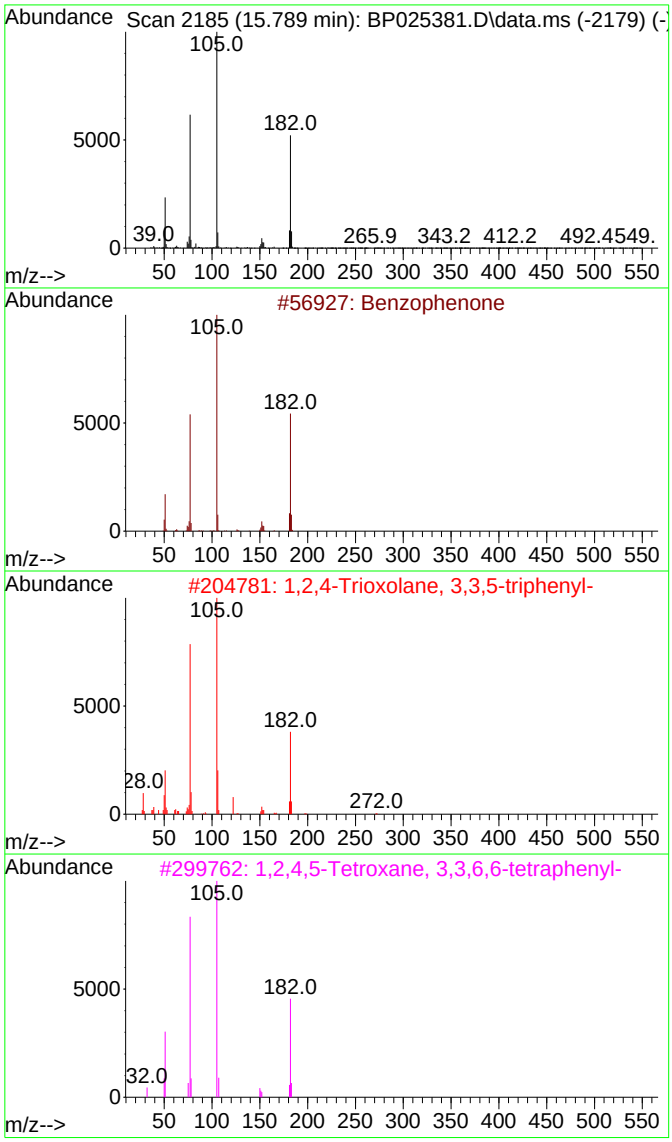
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

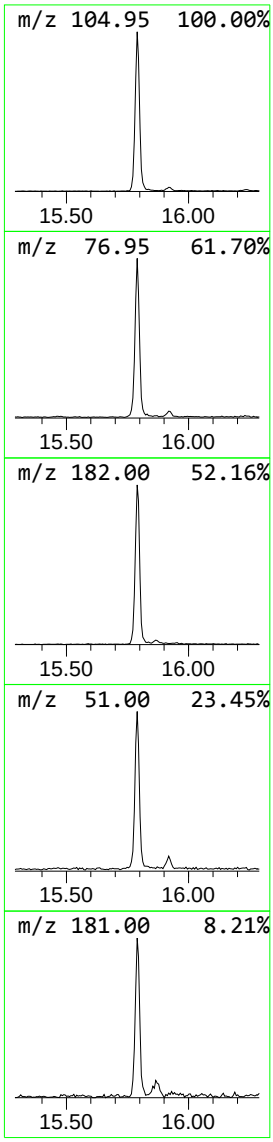
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.789	4.20 ng	367707	Acenaphthene-d10	14.413

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5	Azobenzene	182	C12H10N2	000103-33-3	38





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On    : 13 Aug 2025  12:41
Operator  : CG/JU
Sample    : Q2820-05
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

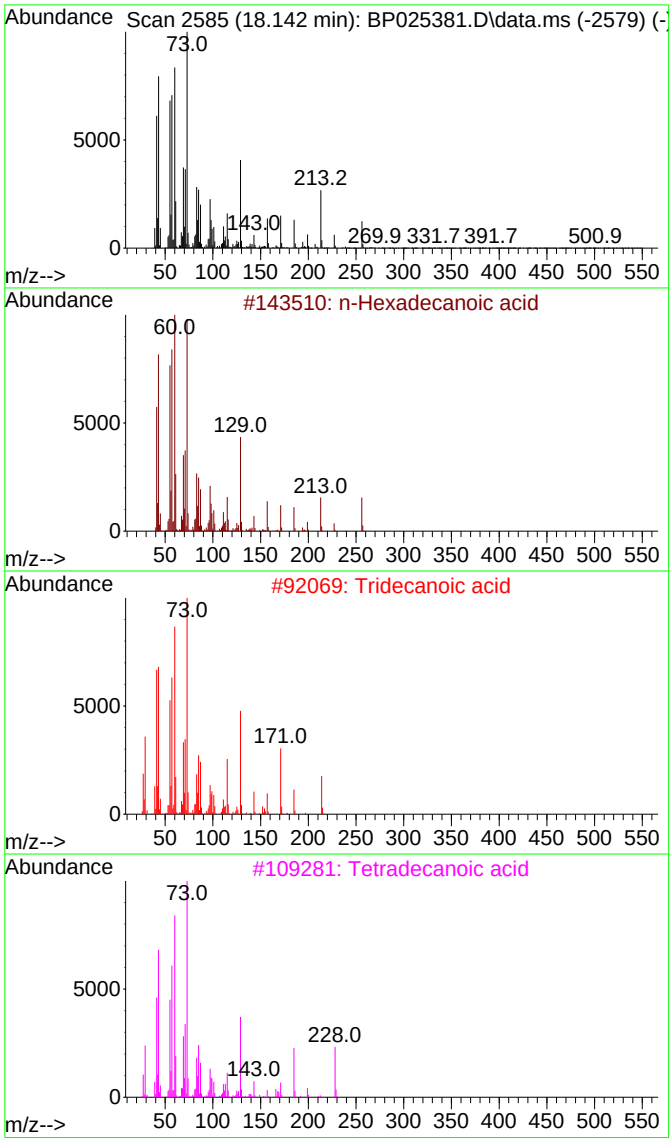
Instrument :
BNA_P
ClientSampleId :
518R-E

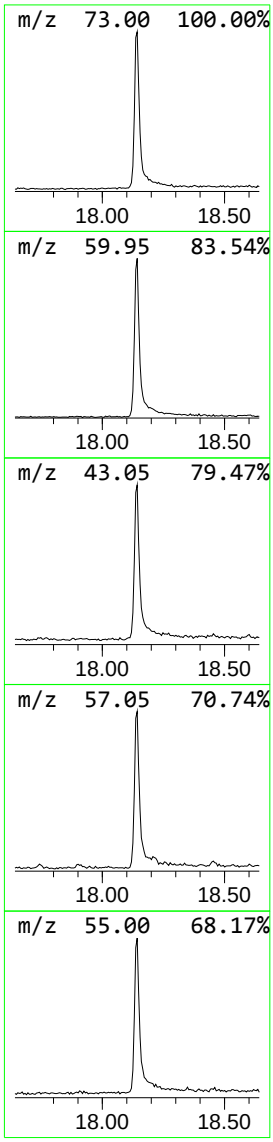
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	9.61 ng	961274	Phenanthrene-d10	17.207

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

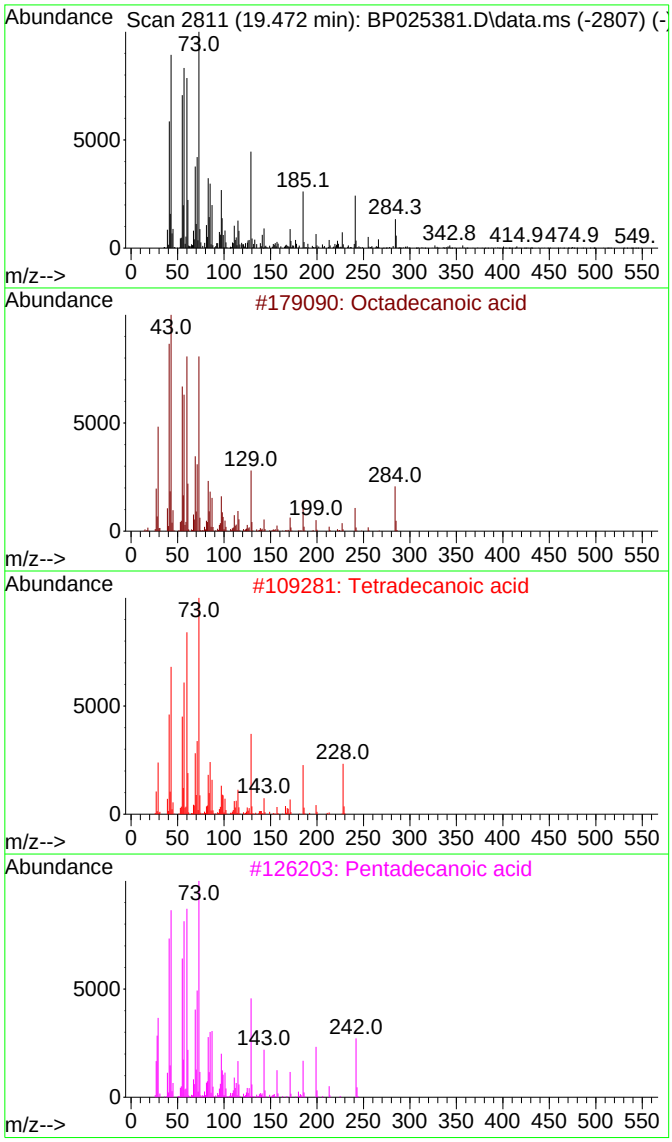
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

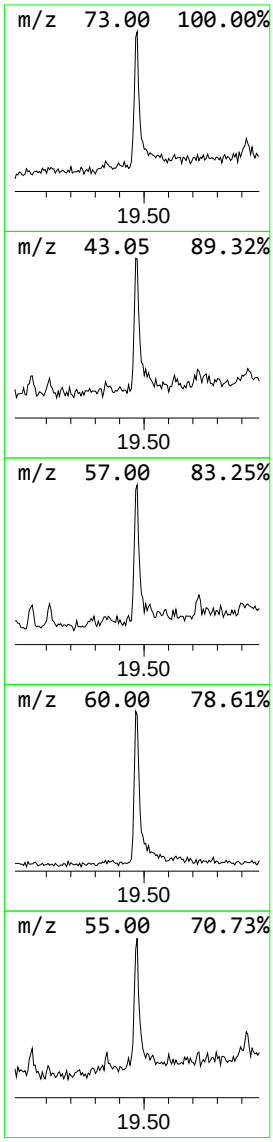
****

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.471	2.21 ng	253307	Chrysene-d12	21.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

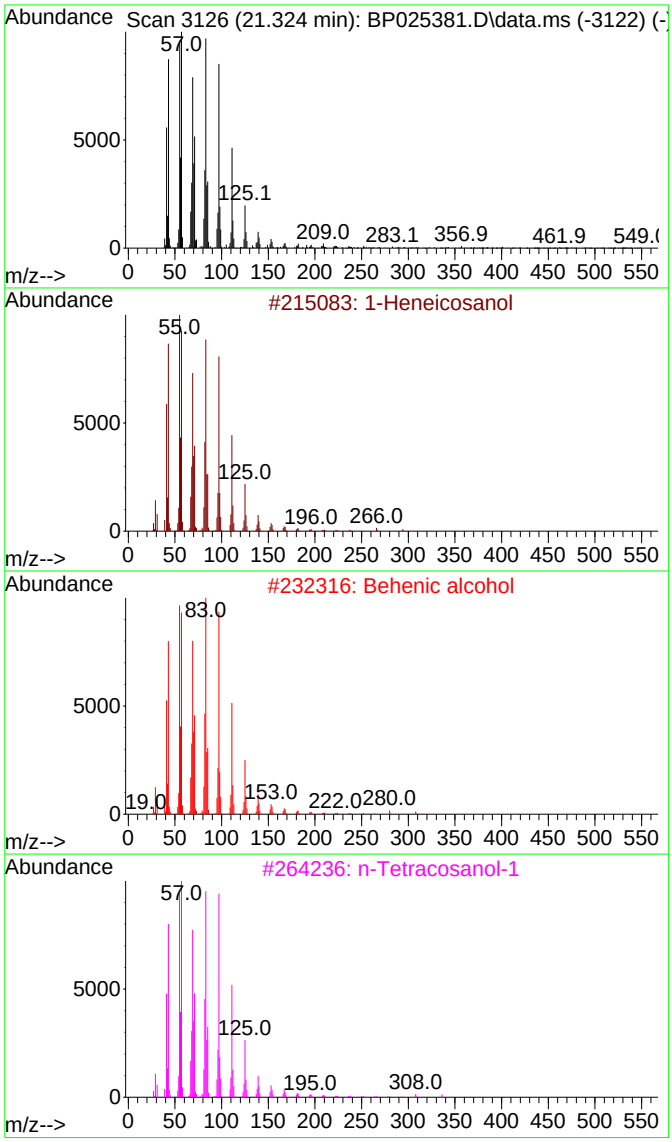
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

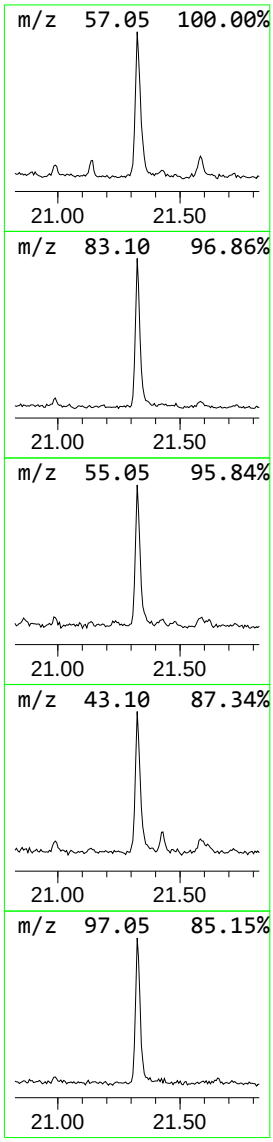
****

Peak Number 7 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.324	7.20 ng	824224	Chrysene-d12	21.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	Nonacos-1-ene	406	C29H58	018835-35-3	94
5	Pentacos-1-ene	350	C25H50	016980-85-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

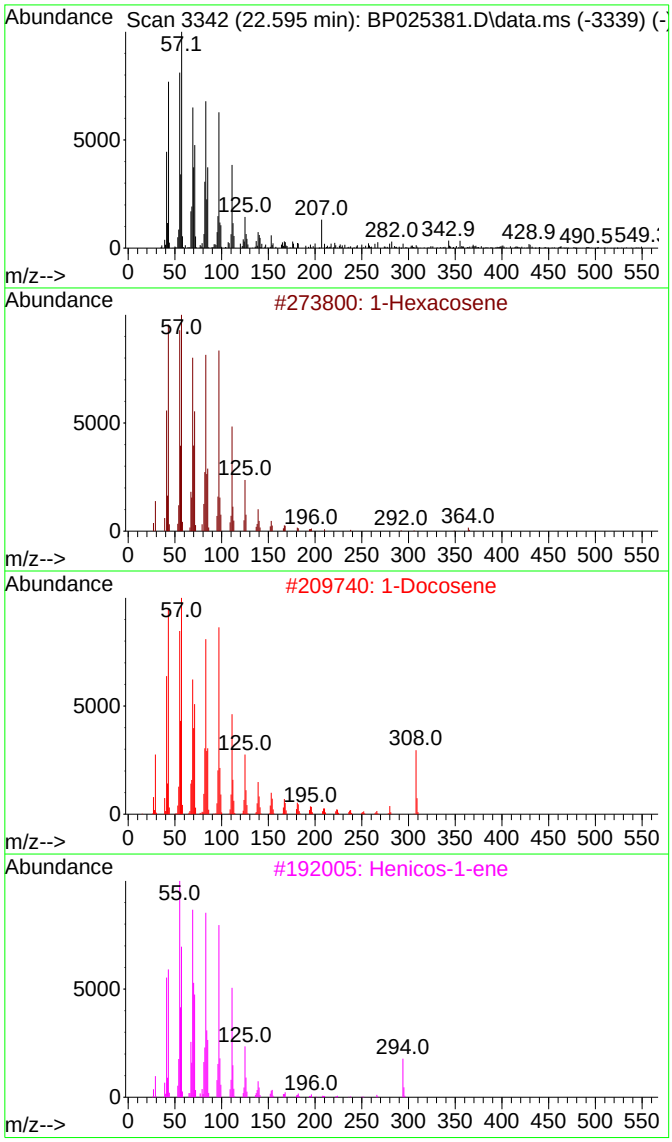
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

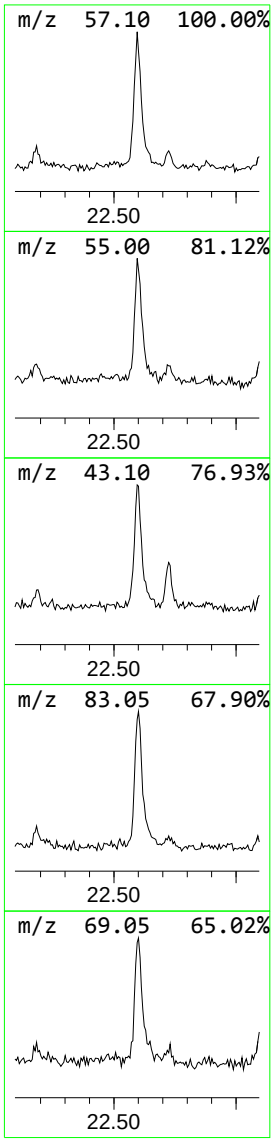
****

Peak Number 8 1-Hexacosene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.595	3.43 ng	392175	Chrysene-d12	21.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	99
2	1-Docosene	308	C22H44	001599-67-3	97
3	Henicos-1-ene	294	C21H42	001599-68-4	97
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	97
5	5-Eicosene, (E)-	280	C20H40	074685-30-6	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	33.2	ng	1673040	1	7.796	1007030	20.0
2-Pentanone, 4-...	4.955	7.9	ng	396175	1	7.796	1007030	20.0
Benzophenone	15.789	4.2	ng	367707	3	14.413	1749170	20.0
n-Hexadecanoic ...	18.142	9.6	ng	961274	4	17.207	1999910	20.0
Octadecanoic acid	19.471	2.2	ng	253307	5	21.654	2289790	20.0
1-Heneicosanol	21.324	7.2	ng	824224	5	21.654	2289790	20.0
1-Hexacosene	22.595	3.4	ng	392175	5	21.654	2289790	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	350	U	200	350	430	ug/Kg
108-95-2	Phenol	170	U	28.5	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	31.3	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.5	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.5	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	48.3	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.0	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	53.0	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	61.1	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.7	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.6	170	220	ug/Kg
78-59-1	Isophorone	170	U	42.3	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	75.0	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	83.5	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.7	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.5	170	220	ug/Kg
91-20-3	Naphthalene	170	U	29.3	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.6	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.6	170	220	ug/Kg
105-60-2	Caprolactam	350	U	67.2	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.0	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	33.0	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	150	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.5	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.1	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.0	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	62.0	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.9	170	220	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	37.3	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	43.3	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	59.3	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.5	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	300	350	430	ug/Kg
100-02-7	4-Nitrophenol	350	U	140	350	430	ug/Kg
132-64-9	Dibenzofuran	170	U	29.3	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	64.6	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.5	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	34.4	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.6	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	82.8	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	U	130	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	42.4	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.8	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.6	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.8	170	220	ug/Kg
87-86-5	Pentachlorophenol	350	U	66.1	350	430	ug/Kg
85-01-8	Phenanthrene	170	U	26.9	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.9	170	220	ug/Kg
86-74-8	Carbazole	170	U	40.2	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	61.7	170	220	ug/Kg
206-44-0	Fluoranthene	170	U	38.7	170	220	ug/Kg
129-00-0	Pyrene	170	U	46.4	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	92.0	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	47.3	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	29.6	170	220	ug/Kg
218-01-9	Chrysene	170	U	25.7	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.5	J	76.3	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	110	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	24.5	170	220	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	28.9	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	38.0	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	37.5	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	35.3	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.1	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.0	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	58.3	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	35.3	170	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	111		34 - 127		74%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		37 - 122		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.0		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		39 - 132		101%	SPK: 150
1718-51-0	Terphenyl-d14	55.6		54 - 127		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	169000	7.795				
1146-65-2	Naphthalene-d8	654000	10.572				
15067-26-2	Acenaphthene-d10	421000	14.419				
1517-22-2	Phenanthrene-d10	846000	17.224				
1719-03-5	Chrysene-d12	903000	21.677				
1520-96-3	Perylene-d12	1040000	25.077				
TENTATIVE IDENTIFIED COMPOUNDS							
65-85-0	Benzoic acid	290	J			9.81	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025382.D
Acq On : 13 Aug 2025 13:22
Operator : CG/JU
Sample : Q2820-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 13:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
518R-N

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.795	152	168818	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	653673	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	420600	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	846121	20.000	ng	0.00
76) Chrysene-d12	21.677	240	902500	20.000	ng	0.02
86) Perylene-d12	25.077	264	1039991	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1211605	115.432	ng	0.00
7) Phenol-d6	6.972	99	1527383	110.569	ng	0.00
23) Nitrobenzene-d5	8.937	82	924647	78.367	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	637591	151.953	ng	0.01
45) 2-Fluorobiphenyl	13.031	172	1705613	56.011	ng	0.00
79) Terphenyl-d14	19.948	244	2656673	55.600	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.807	122	4454m	6.779	ng	
84) Bis(2-ethylhexyl)phtha...	21.601	149	83712	2.154	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025382.D
Acq On : 13 Aug 2025 13:22
Operator : CG/JU
Sample : Q2820-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 13:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
518R-N

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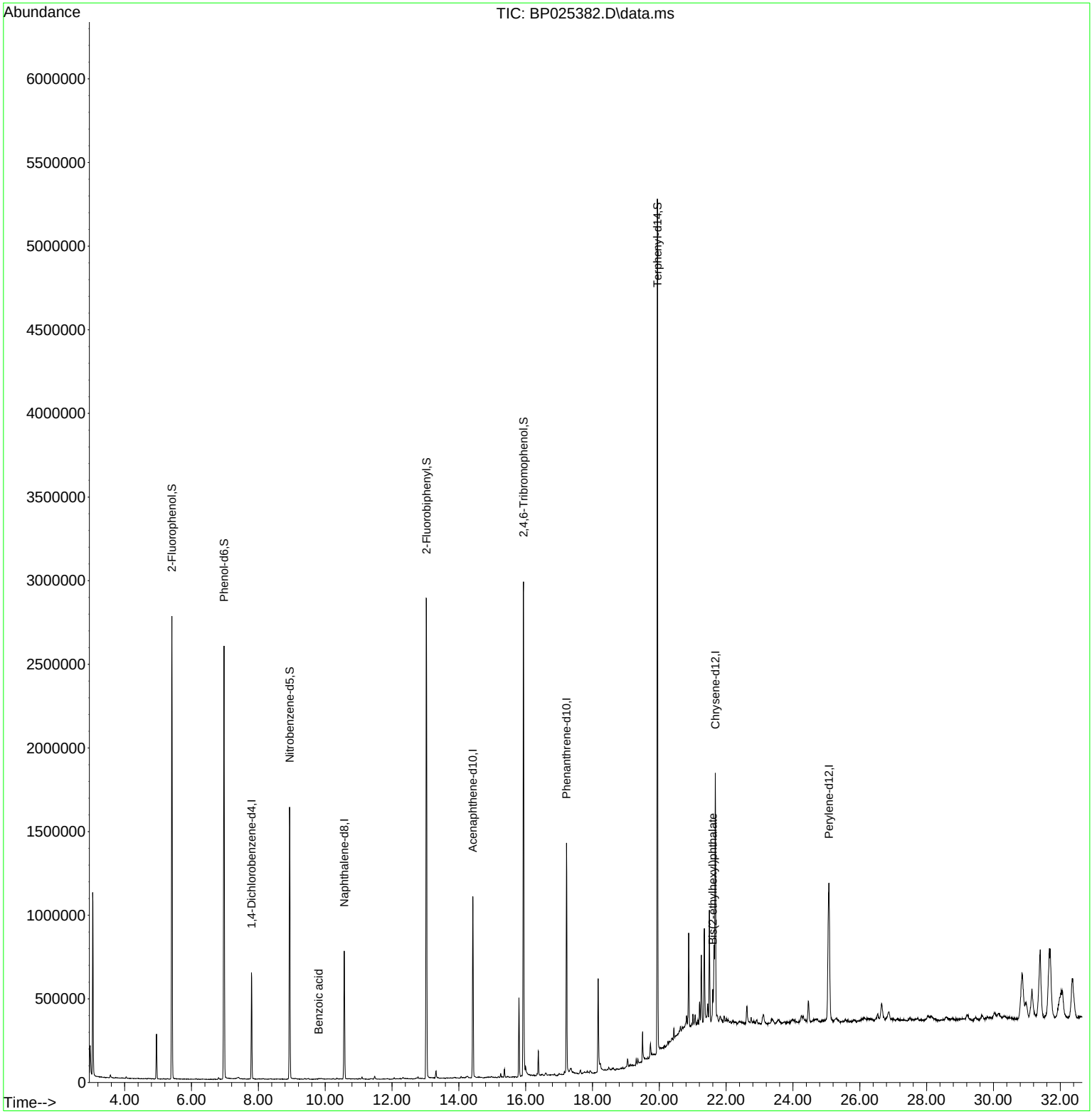
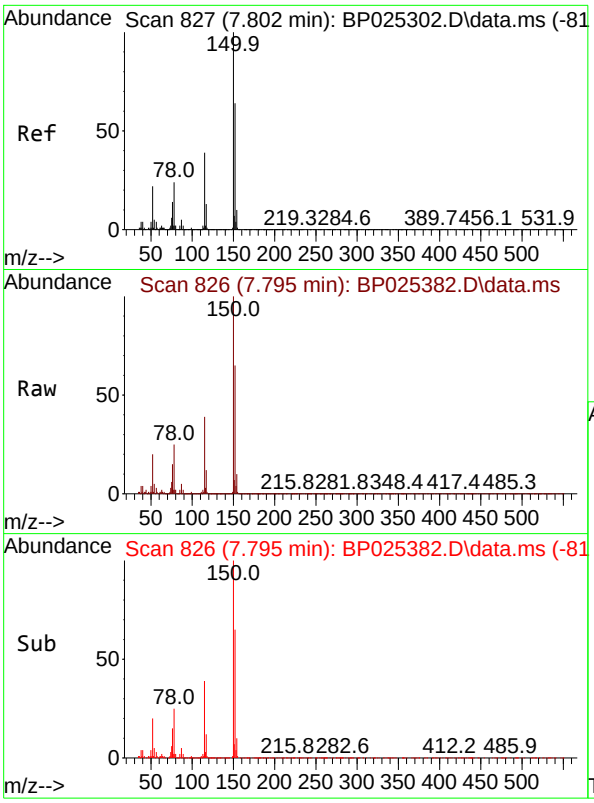
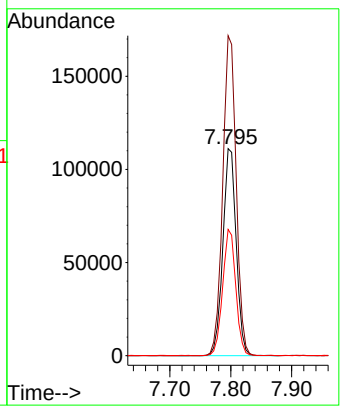




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.795 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:152 Resp: 16881

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.1	187.7
115	61.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
518R-N

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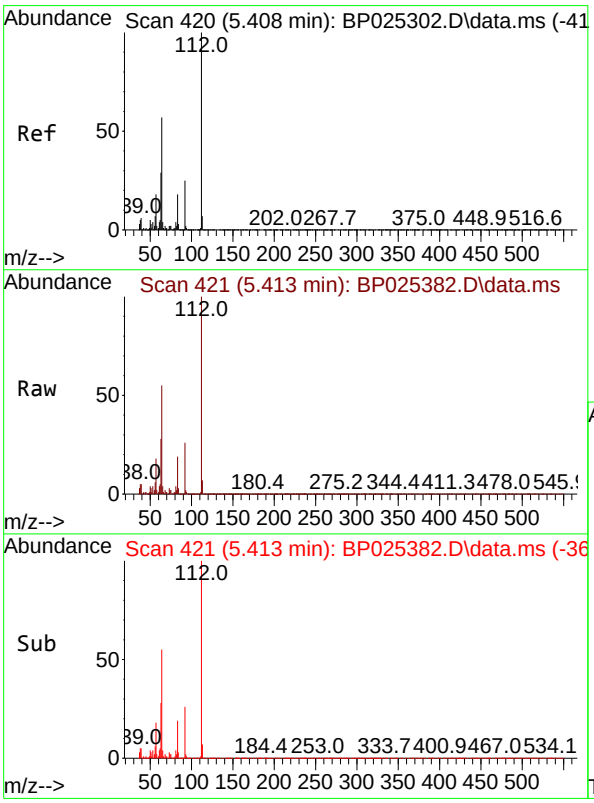
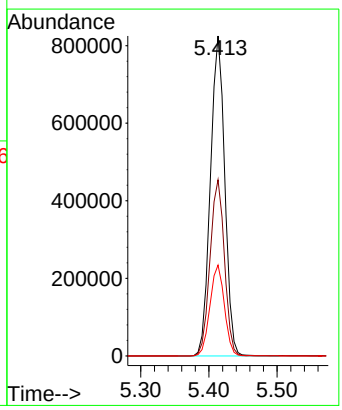
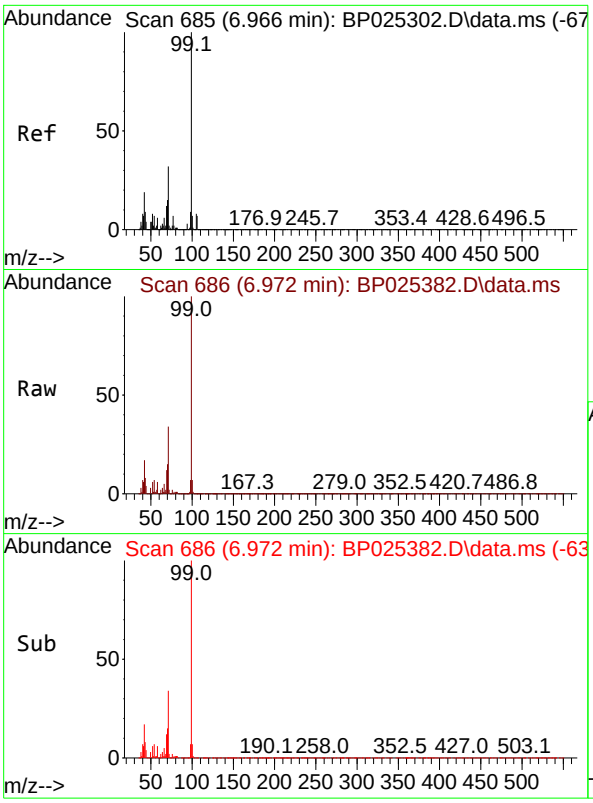


#5
2-Fluorophenol
Concen: 115.432 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:112 Resp: 1211605

Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.3	67.9
63	28.4	23.0	34.6

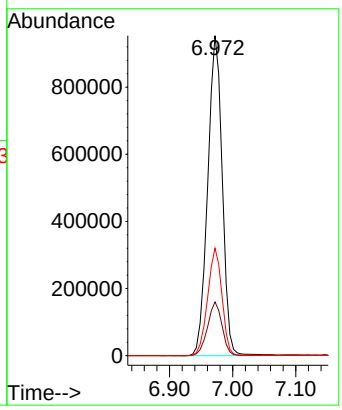




#7
Phenol-d6
Concen: 110.569 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion: 99 Resp: 152738

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
518R-N

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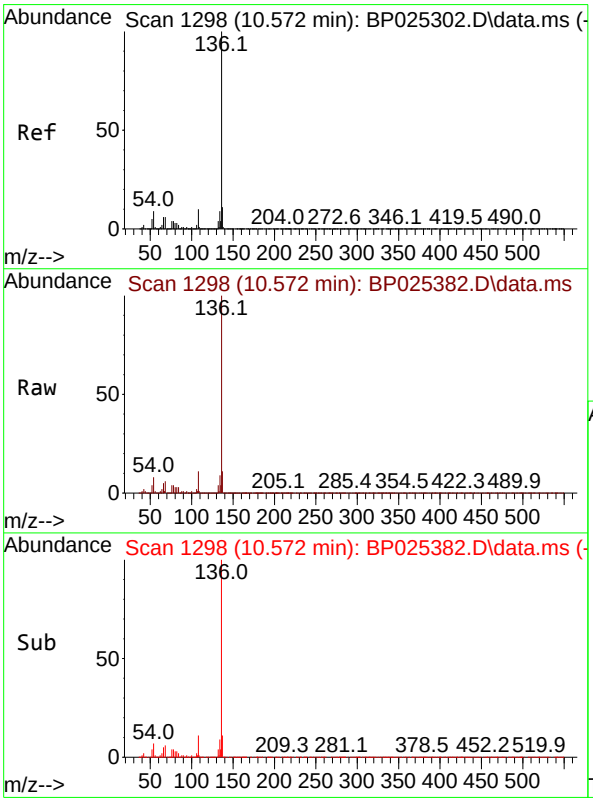
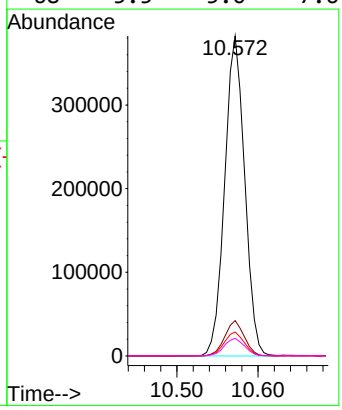
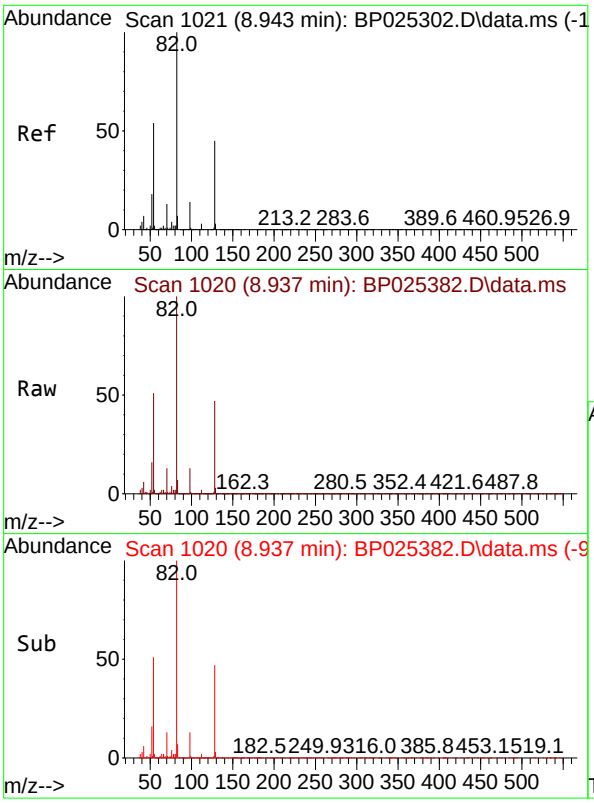


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:136 Resp: 653673

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	7.0	10.6
68	5.5	5.0	7.6

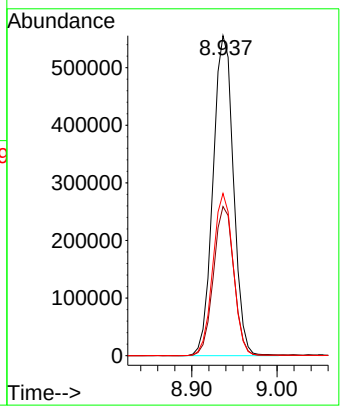




#23
Nitrobenzene-d5
Concen: 78.367 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion: 82 Resp: 92464

Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.4	53.2
54	50.7	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
518R-N

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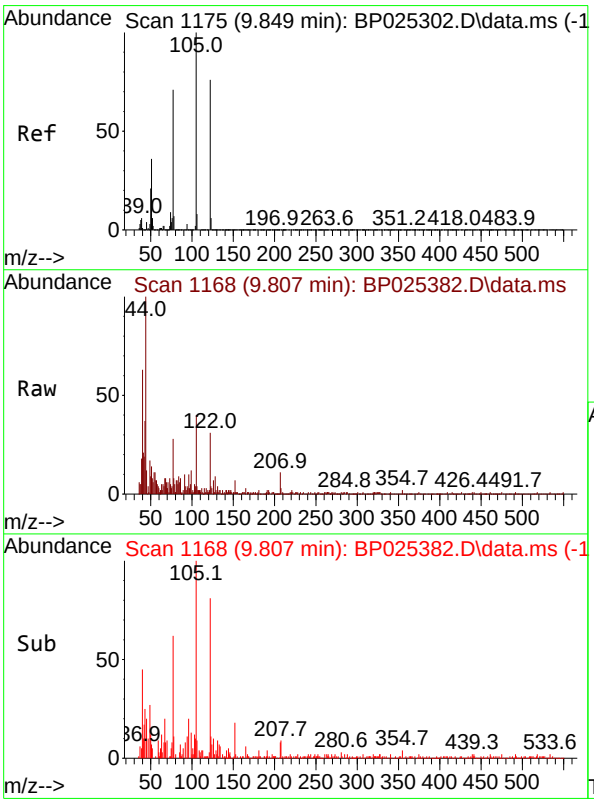
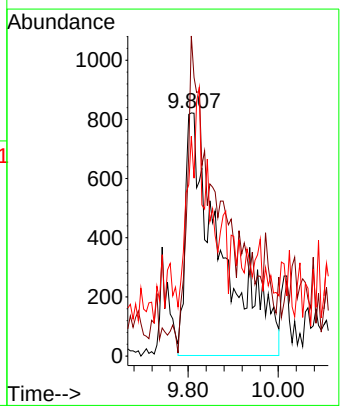
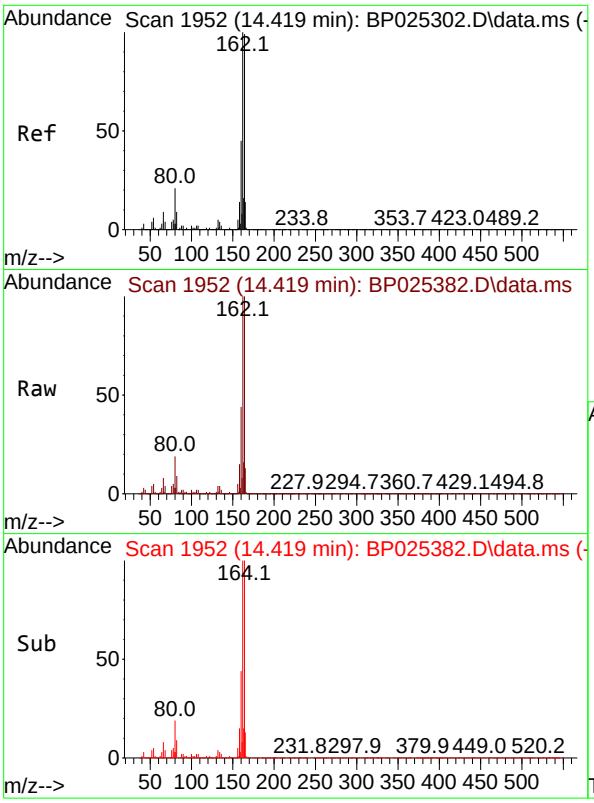


#32
Benzoic acid
Concen: 6.779 ng m
RT: 9.807 min Scan# 1168
Delta R.T. -0.042 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:122 Resp: 4454

Ion	Ratio	Lower	Upper
122	100		
105	131.6	104.0	144.0
77	90.4	71.8	111.8

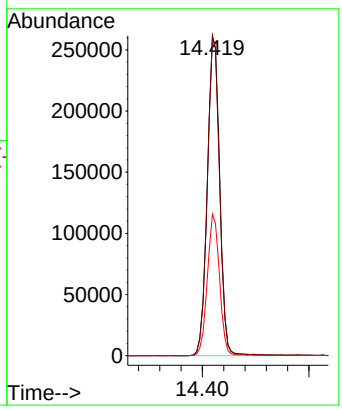




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:164 Resp: 42060

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.3	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
518R-N

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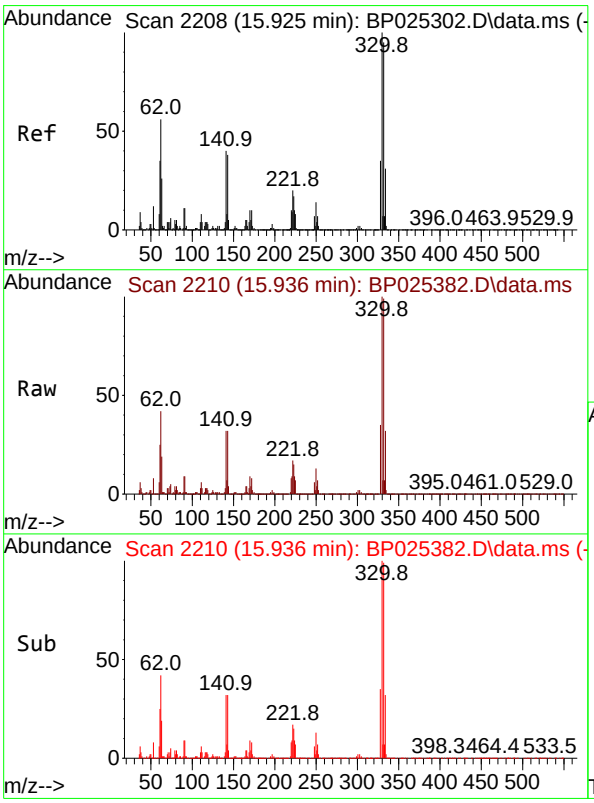
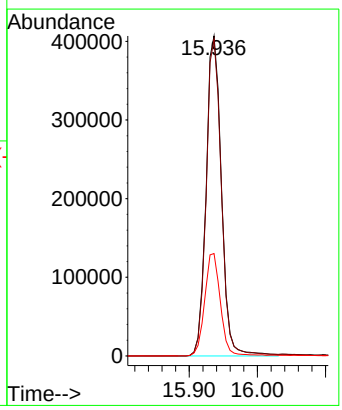
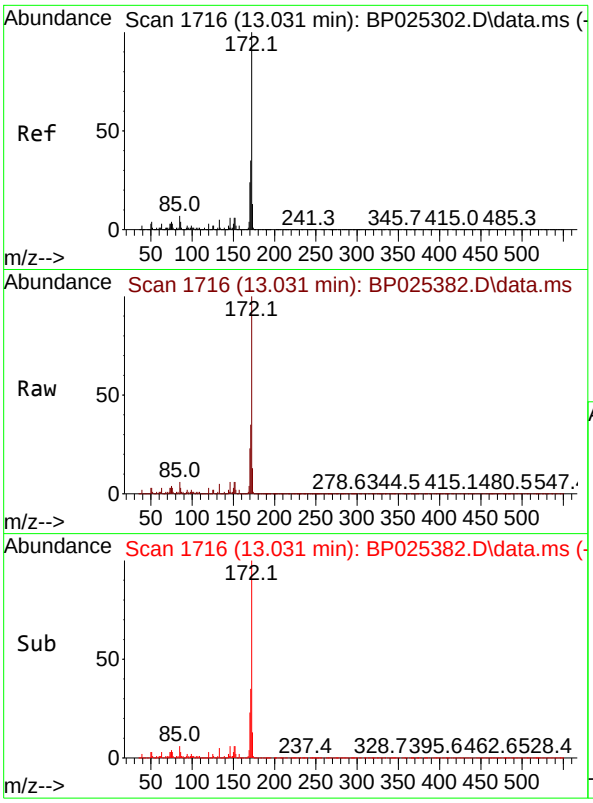


#42
2,4,6-Tribromophenol
Concen: 151.953 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:330 Resp: 637591

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.0
141	33.0	31.7	47.5

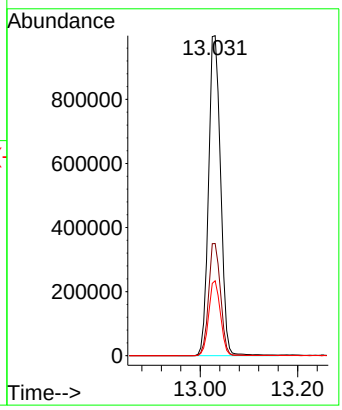




#45
2-Fluorobiphenyl
Concen: 56.011 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:172 Resp: 170561

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.4	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
518R-N

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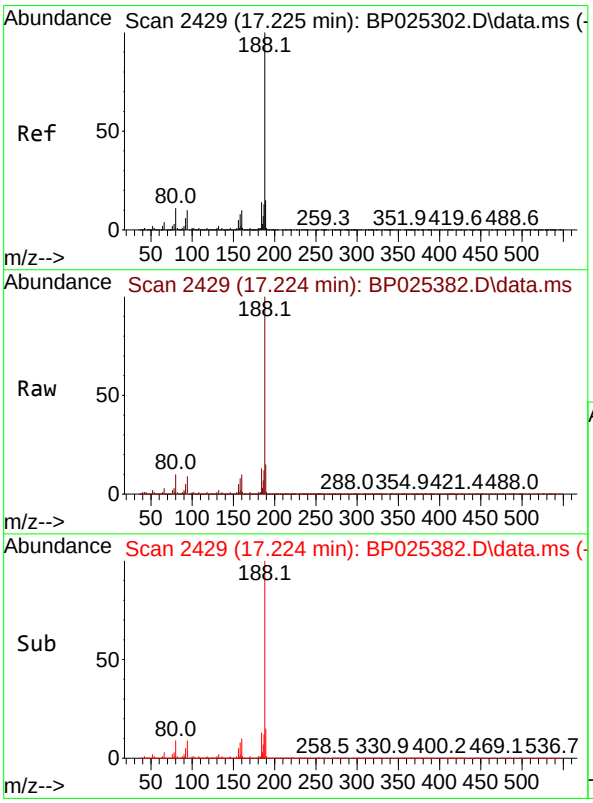
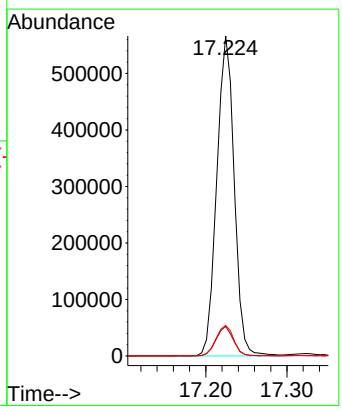
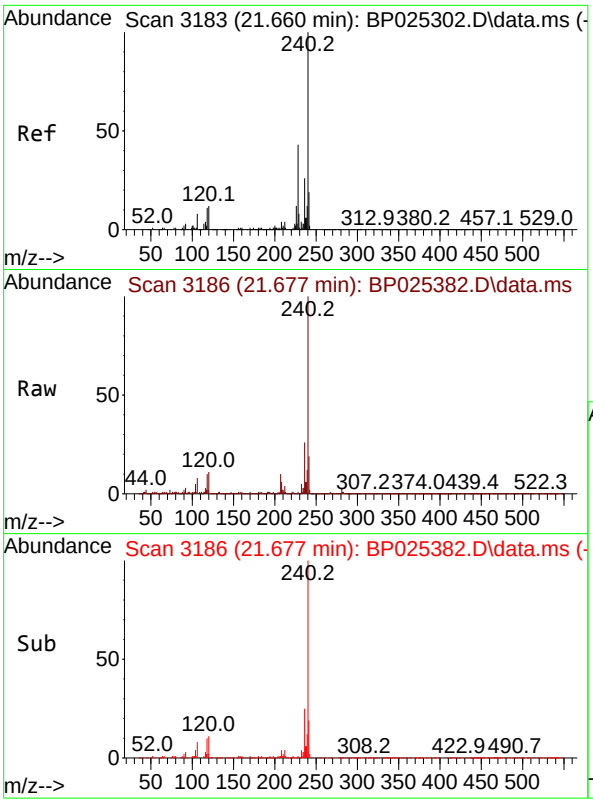


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:188 Resp: 846121

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.5	8.5	12.7

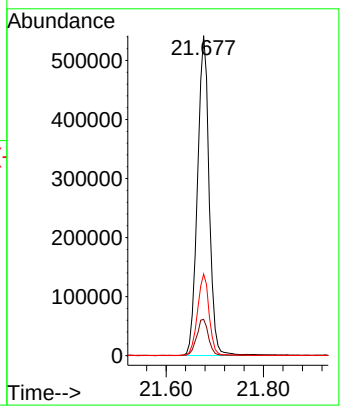




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:240 Resp: 90250

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	25.5	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
518R-N

Manual Integrations
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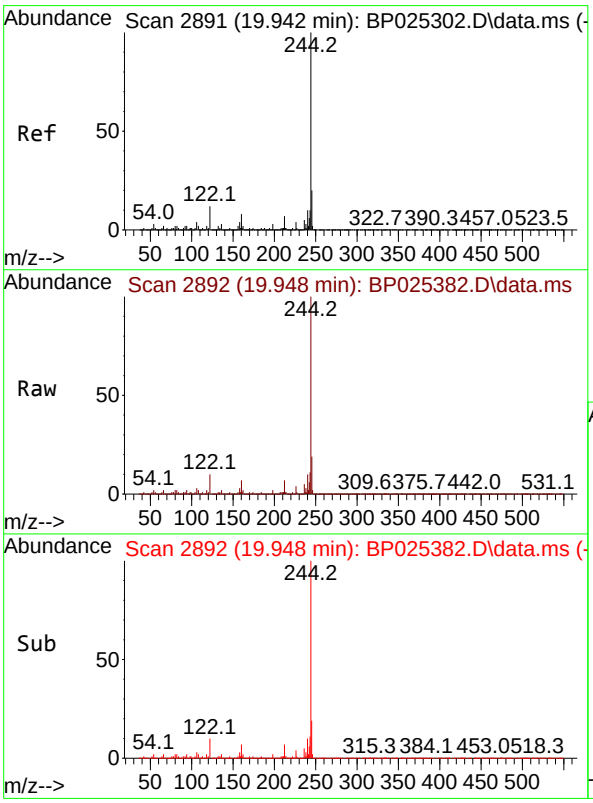
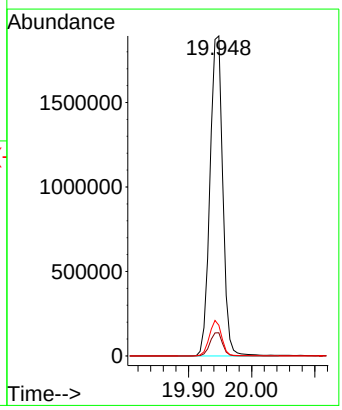
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

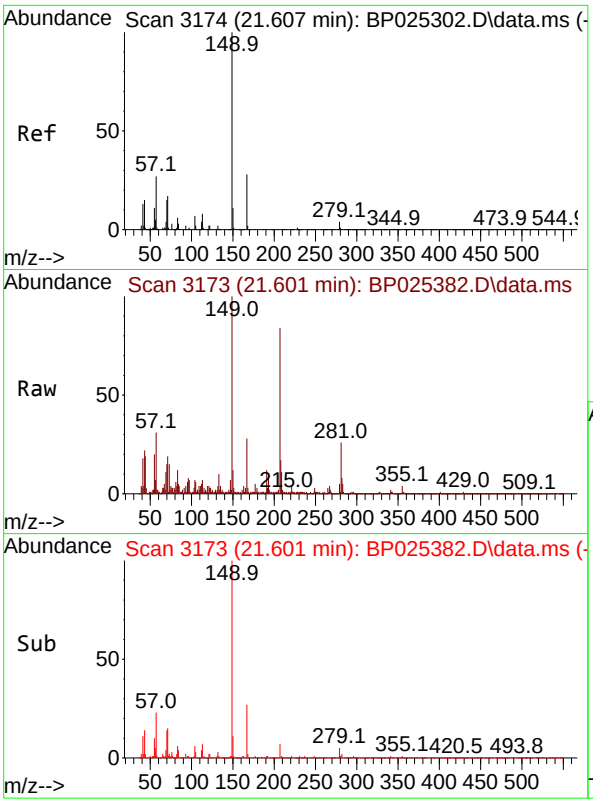


#79
Terphenyl-d14
Concen: 55.600 ng
RT: 19.948 min Scan# 2892
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:244 Resp: 2656673

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.6	9.5	14.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.154 ng
RT: 21.601 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:149 Resp: 8371

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	5.0	3.4	5.2

Instrument :
BNA_P
ClientSampleId :
518R-N

Manual Integrations
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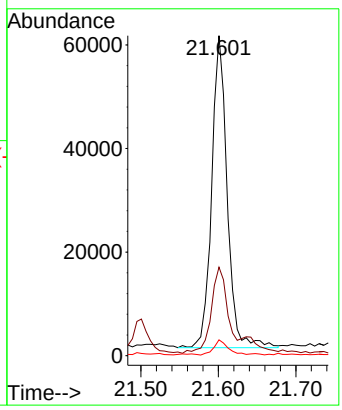
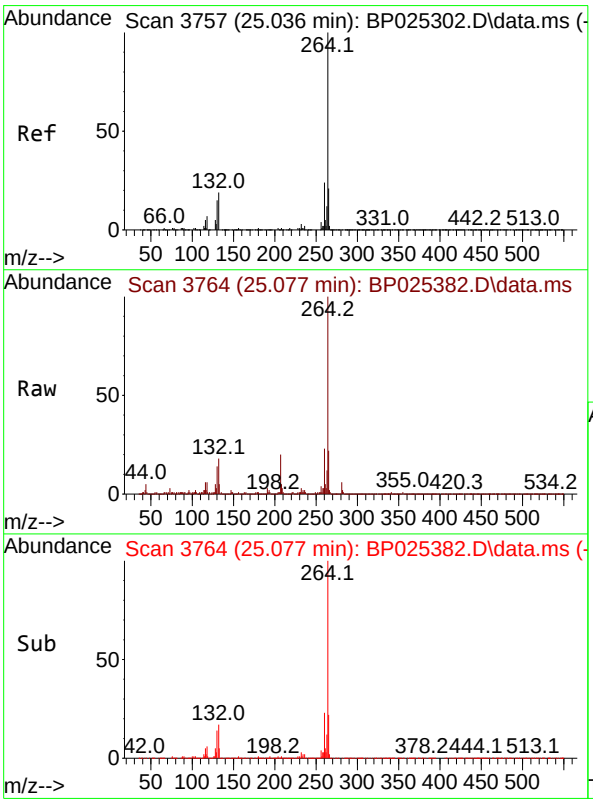
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

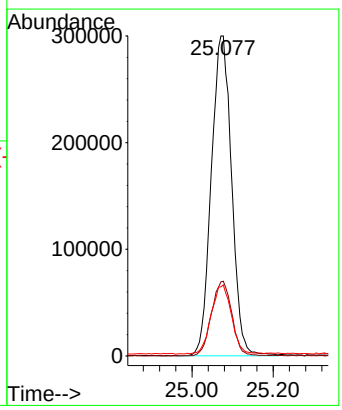




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.077 min Scan# 3764
Delta R.T. 0.041 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:264 Resp: 1039991

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	17.1	25.7



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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	310		38.1	170	220	ug/Kg
129-00-0	Pyrene	300		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	170	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.0	J	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	67.7		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.9	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.9		39 - 132		61%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	213000	7.796				
1146-65-2	Naphthalene-d8	845000	10.572				
15067-26-2	Acenaphthene-d10	533000	14.419				
1517-22-2	Phenanthrene-d10	1010000	17.219				
1719-03-5	Chrysene-d12	1020000	21.677				
1520-96-3	Perylene-d12	1160000	25.071				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	760	J			3.05	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB			4.96	ug/Kg
000119-61-9	Benzophenone	180	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J			18.2	ug/Kg
000057-11-4	Octadecanoic acid	150	J			19.5	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	220	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 13 17:51:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
518R-S

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.796	152	213360	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	844787	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	533137	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1007182	20.000	ng		0.00
76) Chrysene-d12	21.677	240	1023641	20.000	ng		0.02
86) Perylene-d12	25.071	264	1164080	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	970703	73.174	ng		0.00
7) Phenol-d6	6.972	99	1182042	67.705	ng		0.00
23) Nitrobenzene-d5	8.937	82	745957	48.920	ng		0.00
42) 2,4,6-Tribromophenol	15.931	330	488562	91.858	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	1656974	42.928	ng		0.00
79) Terphenyl-d14	19.942	244	2052255	37.867	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	19.354	202	469275	7.349	ng		99
78) Pyrene	19.730	202	474929	6.977	ng		100
81) Benzo(a)anthracene	21.654	228	295104	4.338	ng		97
83) Chrysene	21.718	228	260541	4.130	ng		97
87) Indeno(1,2,3-cd)pyrene	28.930	276	207487	2.487	ng	#	89
88) Benzo(b)fluoranthene	23.989	252	388202	5.571	ng		96
89) Benzo(k)fluoranthene	24.060	252	143479m	2.077	ng		
90) Benzo(a)pyrene	24.901	252	284283	4.236	ng		98
92) Benzo(g,h,i)perylene	30.124	276	206251	3.075	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 13 17:51:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
518R-S

Manual Integrations APPROVED

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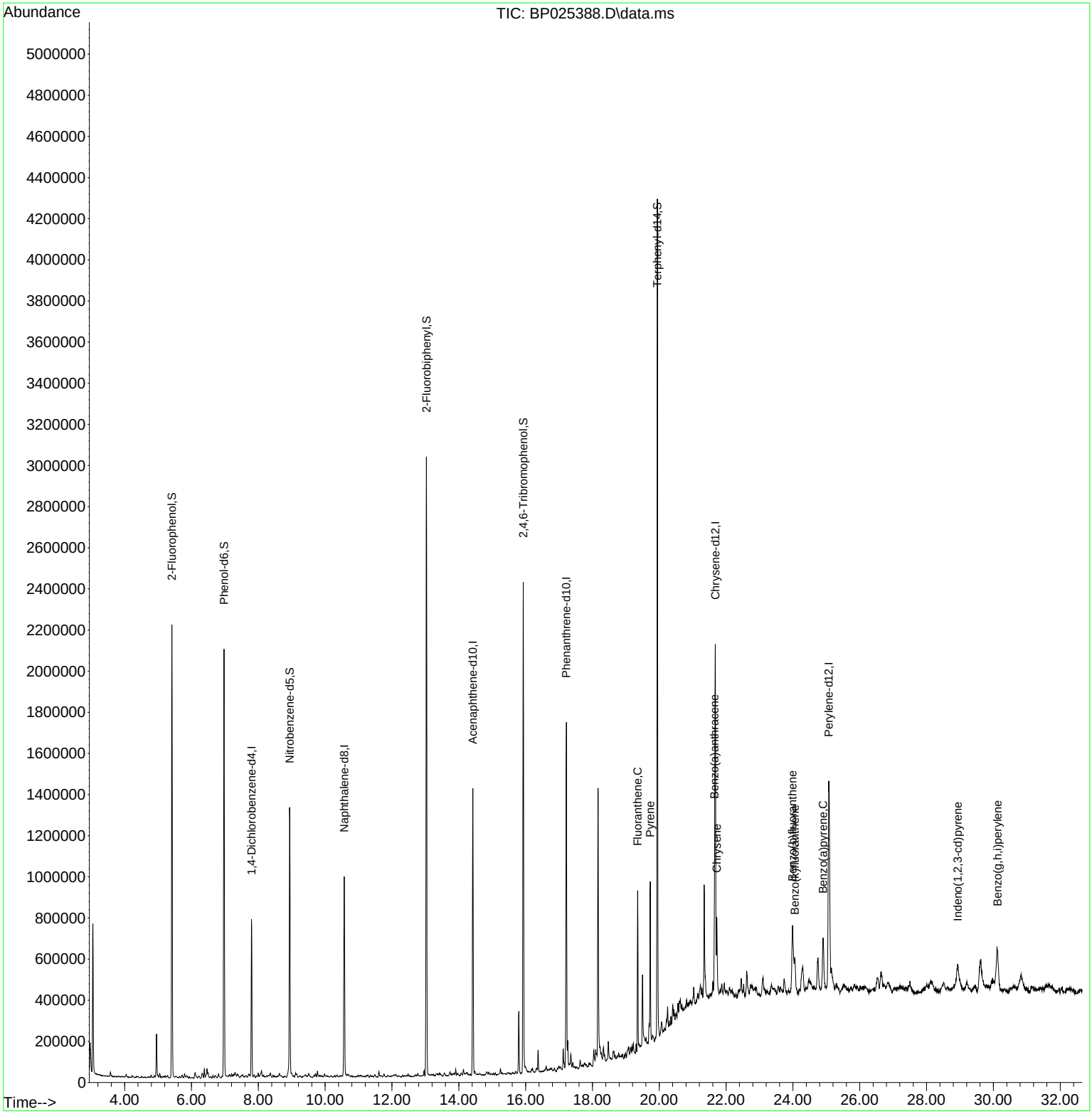
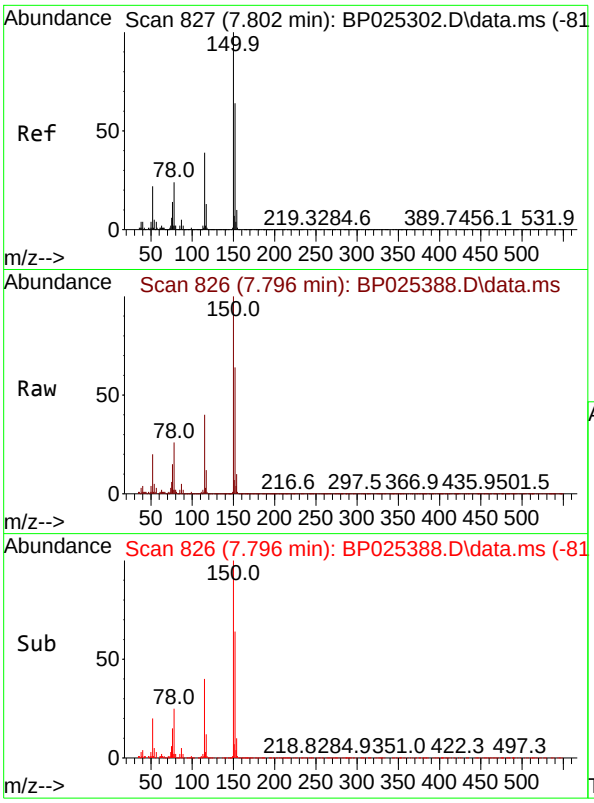
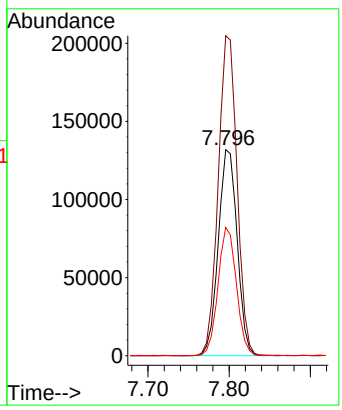




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:152 Resp: 21336

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.1	187.7
115	62.3	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
518R-S

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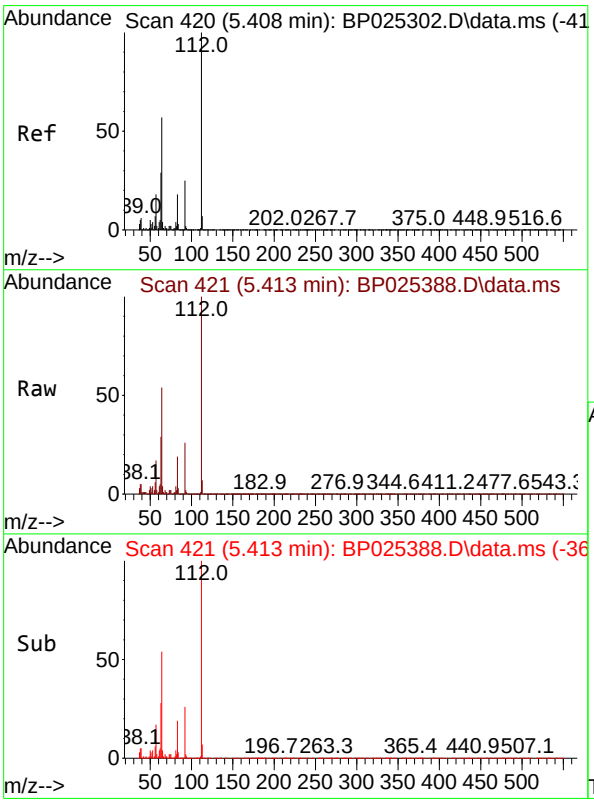
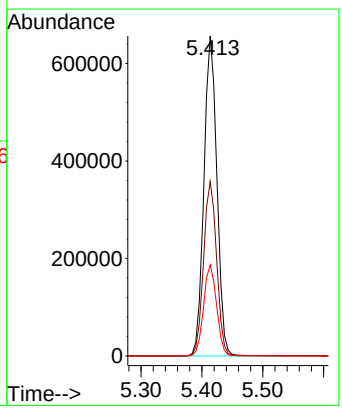
Supervised By :Jagrut Upadhyay 08/14/2025

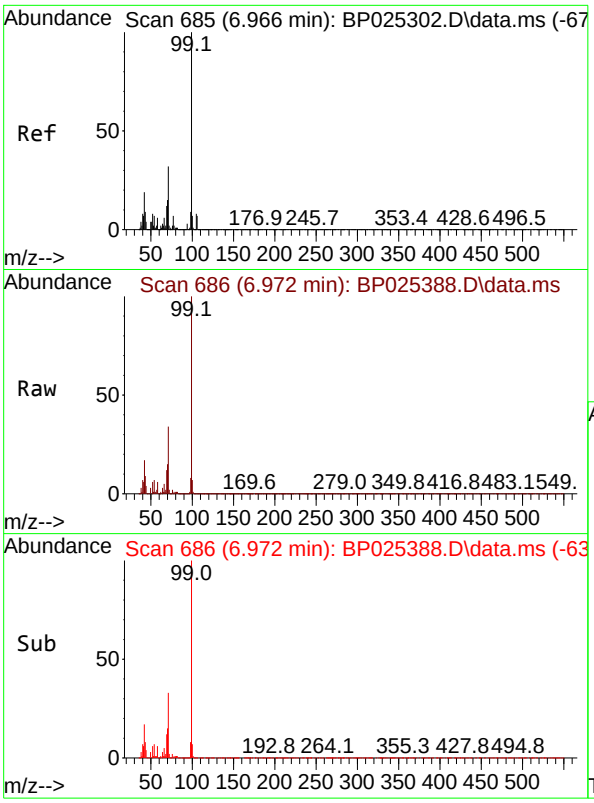


#5
2-Fluorophenol
Concen: 73.174 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:112 Resp: 970703

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.3	67.9
63	28.5	23.0	34.6

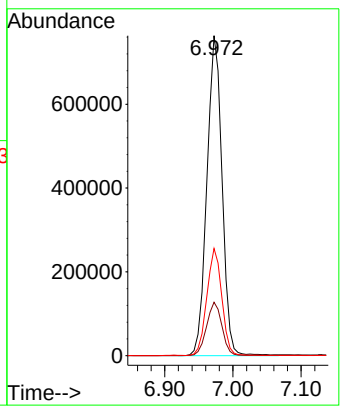




#7
Phenol-d6
Concen: 67.705 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 99 Resp: 118204

Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.0	22.6
71	33.5	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
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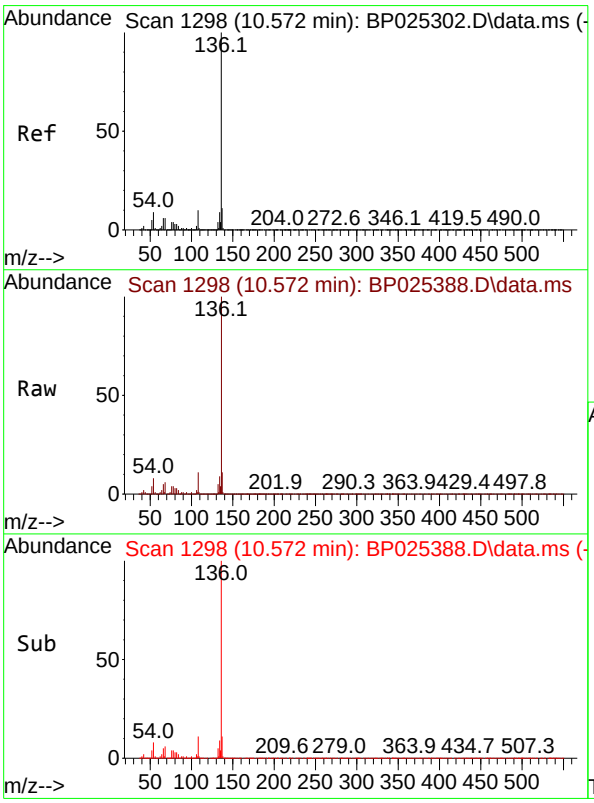
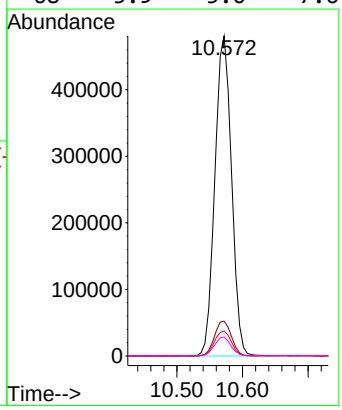
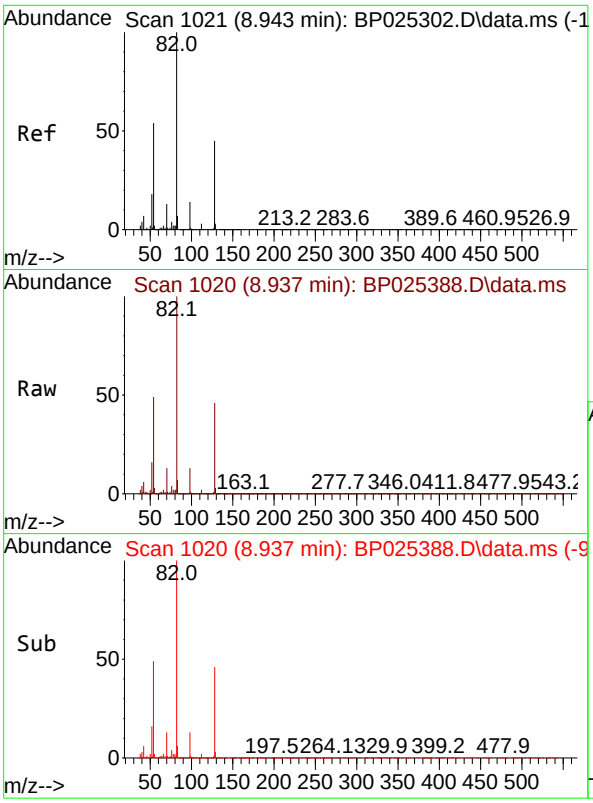


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:136 Resp: 844787

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	7.0	10.6
68	5.9	5.0	7.6

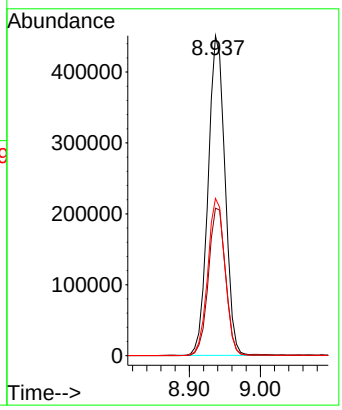




#23
Nitrobenzene-d5
Concen: 48.920 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 82 Resp: 74595

Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.4	53.2
54	49.1	42.9	64.3



Instrument :
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ClientSampleId :
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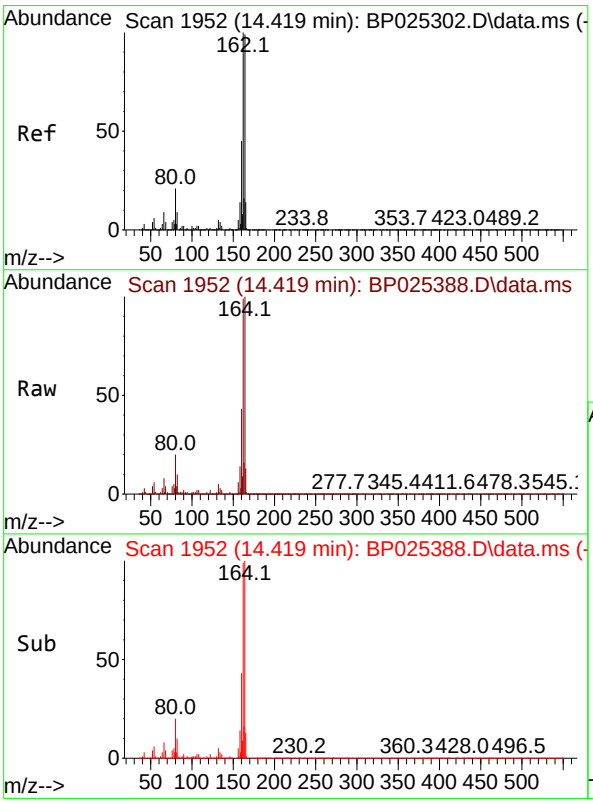
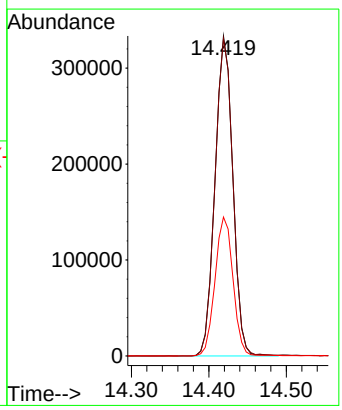
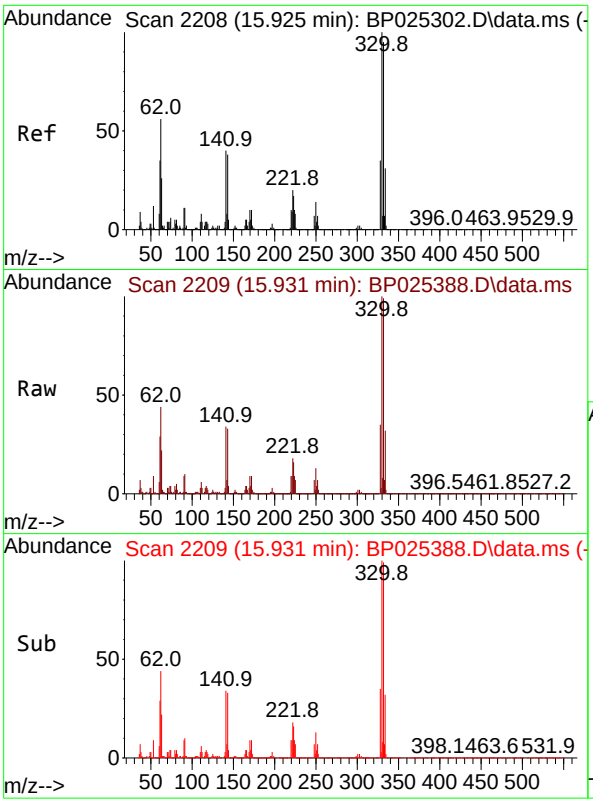


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:164 Resp: 533137

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	43.4	35.9	53.9

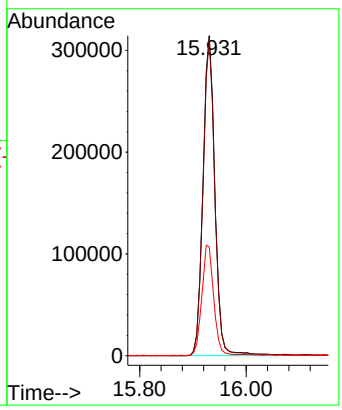




#42
2,4,6-Tribromophenol
Concen: 91.858 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:330 Resp: 48856

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.0
141	34.6	31.7	47.5



Instrument :
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ClientSampleId :
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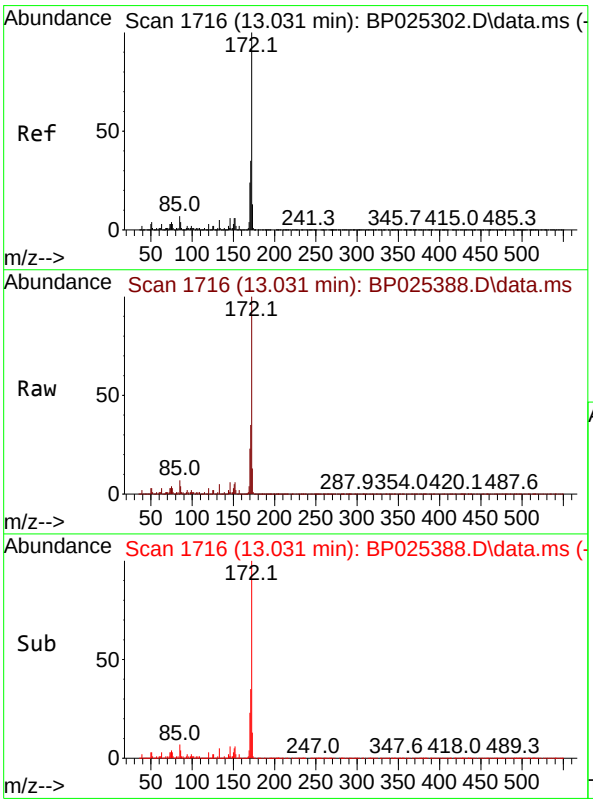
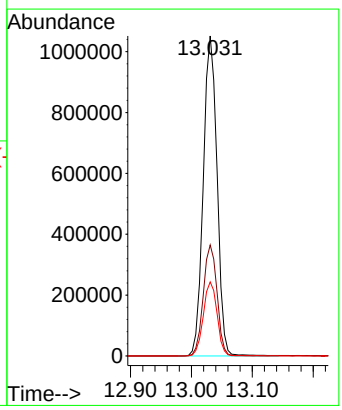
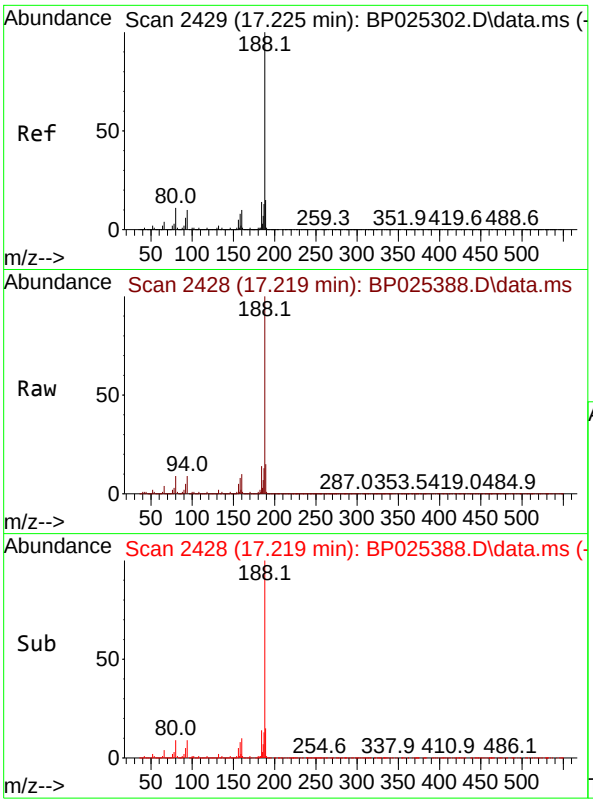


#45
2-Fluorobiphenyl
Concen: 42.928 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:172 Resp: 1656974

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3

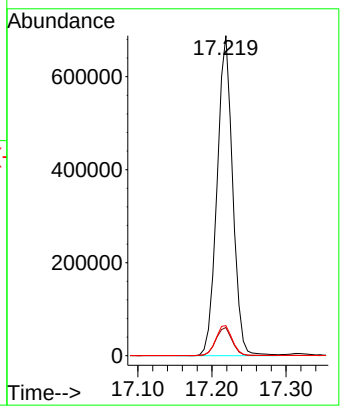




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:188 Resp: 100718

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.4	8.5	12.7



Instrument :
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ClientSampleId :
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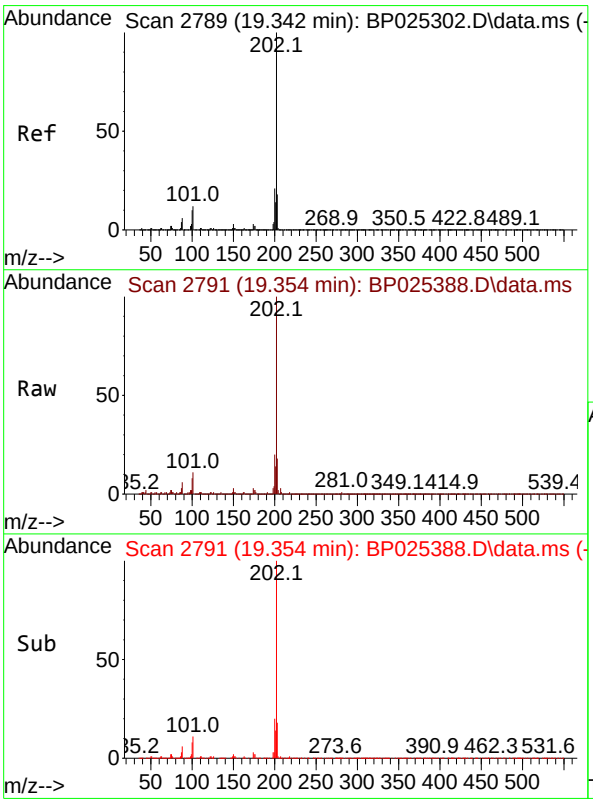
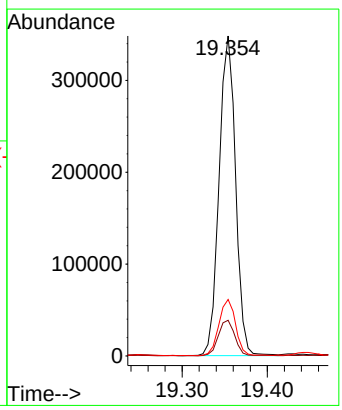
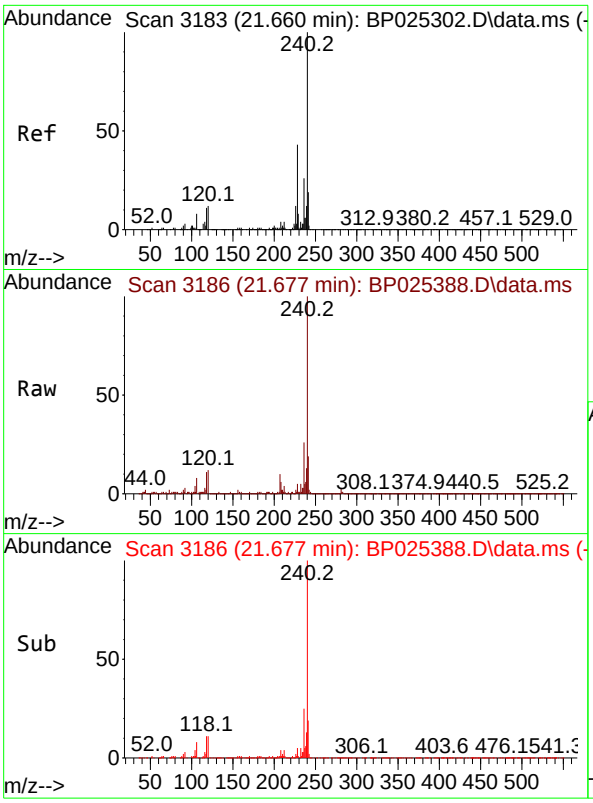


#75
Fluoranthene
Concen: 7.349 ng
RT: 19.354 min Scan# 2791
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 469275

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.5
203	17.7	0.0	37.6

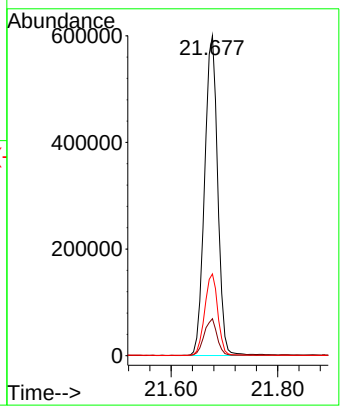




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:240 Resp: 102364

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.5	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
518R-S

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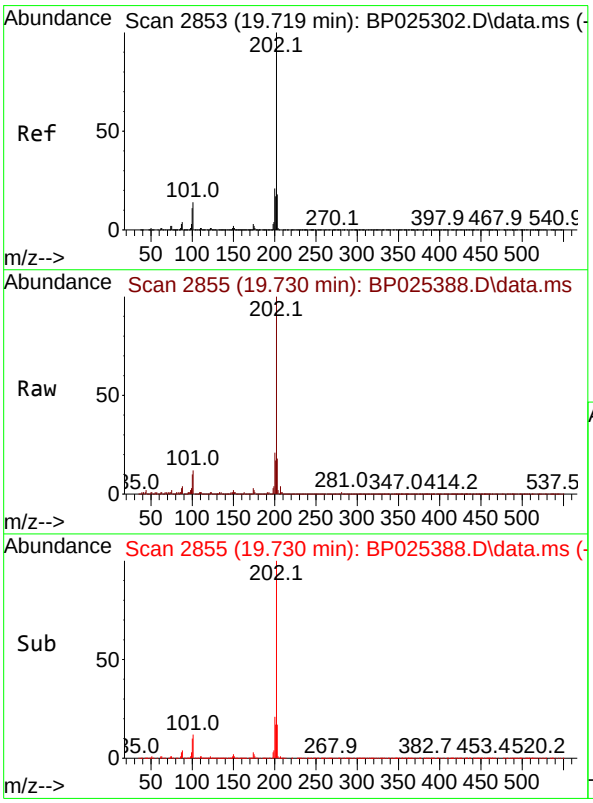
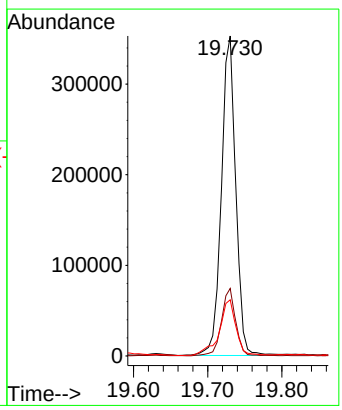
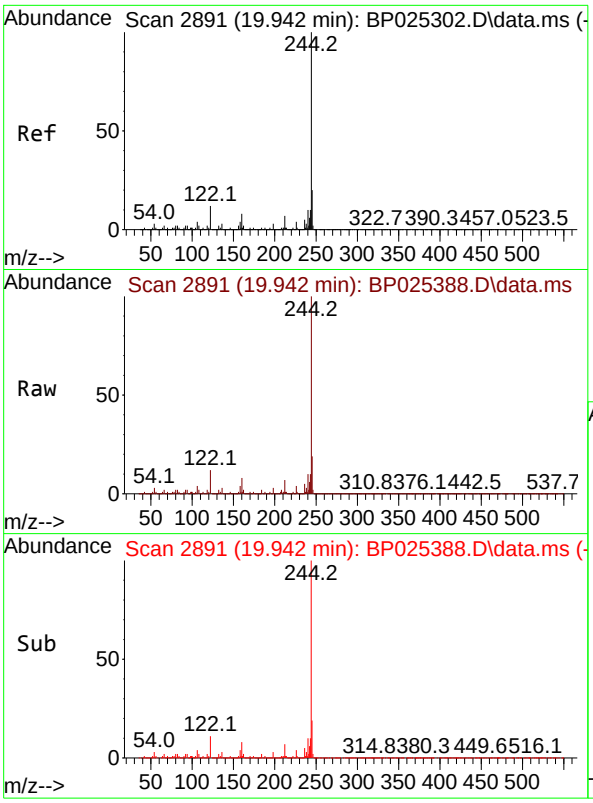


#78
Pyrene
Concen: 6.977 ng
RT: 19.730 min Scan# 2855
Delta R.T. 0.011 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 474929

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.1	21.1

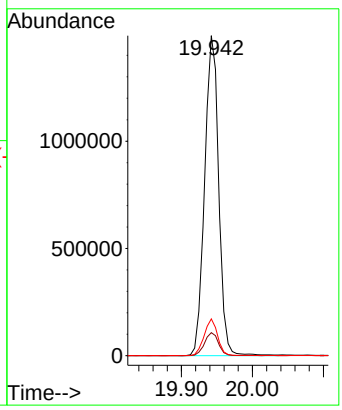




#79
Terphenyl-d14
Concen: 37.867 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:244 Resp: 205225

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.5	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
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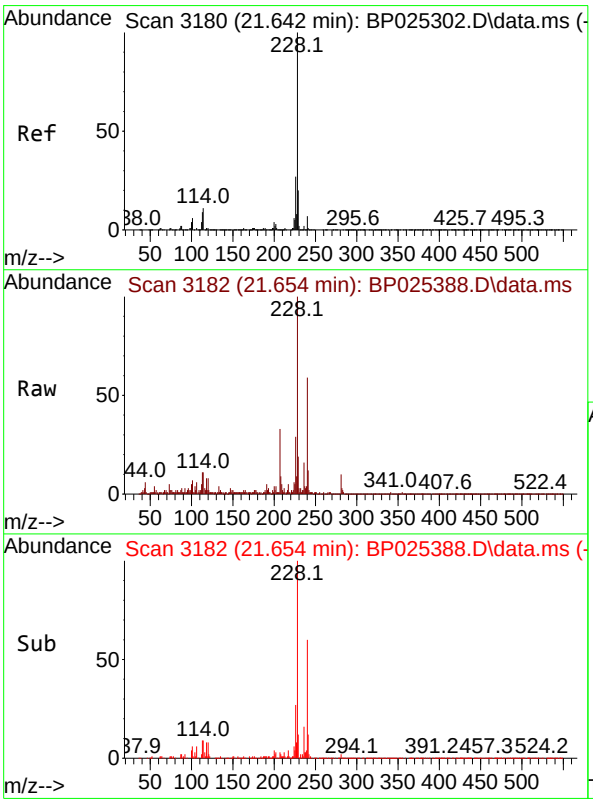
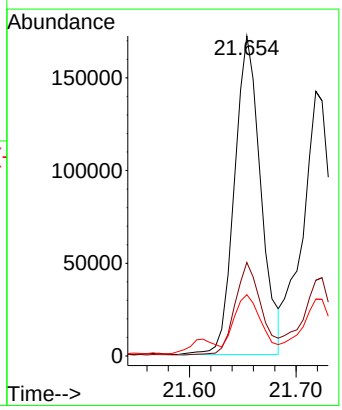
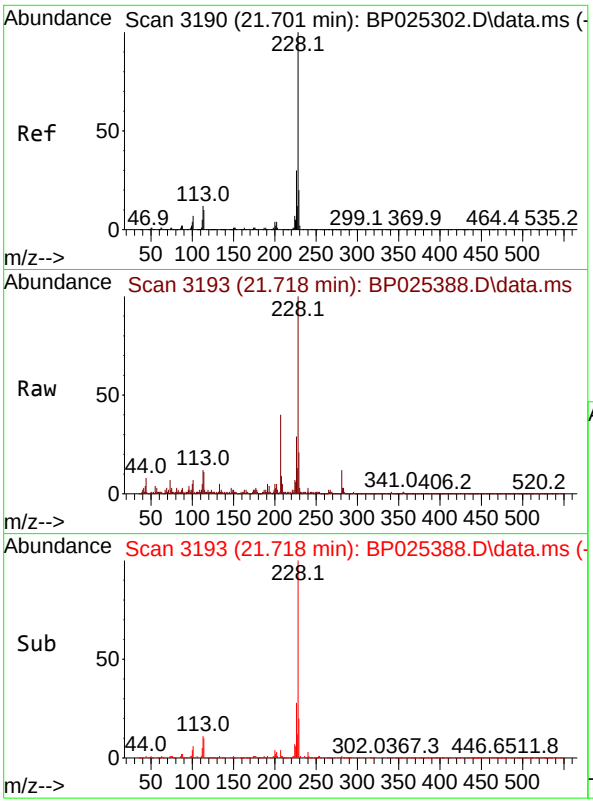


#81
Benzo(a)anthracene
Concen: 4.338 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:228 Resp: 295104

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	19.1	16.0	24.0

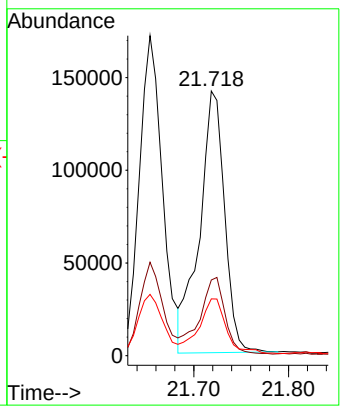




#83
Chrysene
Concen: 4.130 ng
RT: 21.718 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:228 Resp: 26054

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.3	36.5
229	21.4	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
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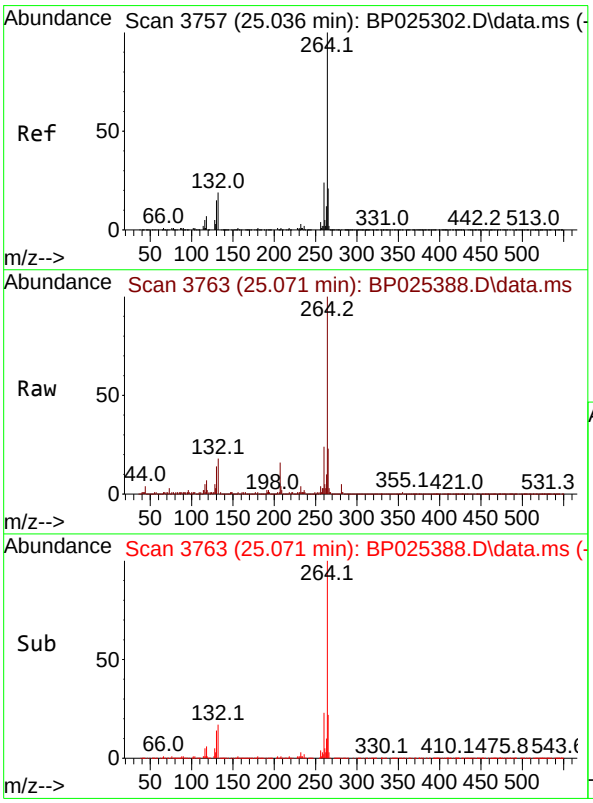
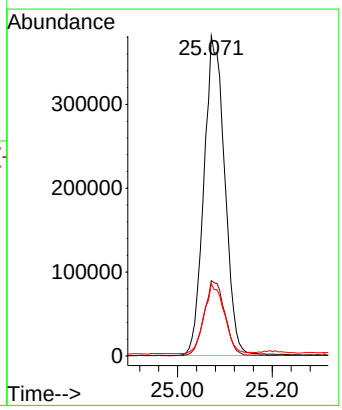
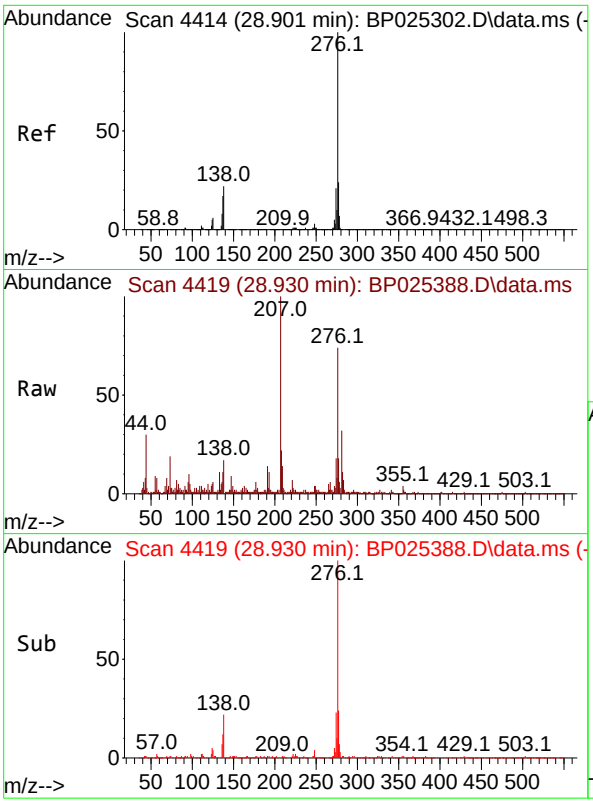


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:264 Resp: 1164080

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	17.1	25.7

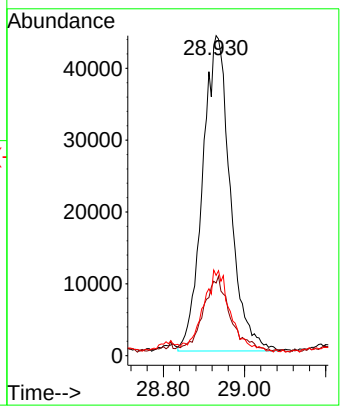




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.487 ng
RT: 28.930 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:276 Resp: 20748

Ion	Ratio	Lower	Upper
276	100		
138	23.2	14.6	22.0#
277	25.9	16.8	25.2#



Instrument :
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ClientSampleId :
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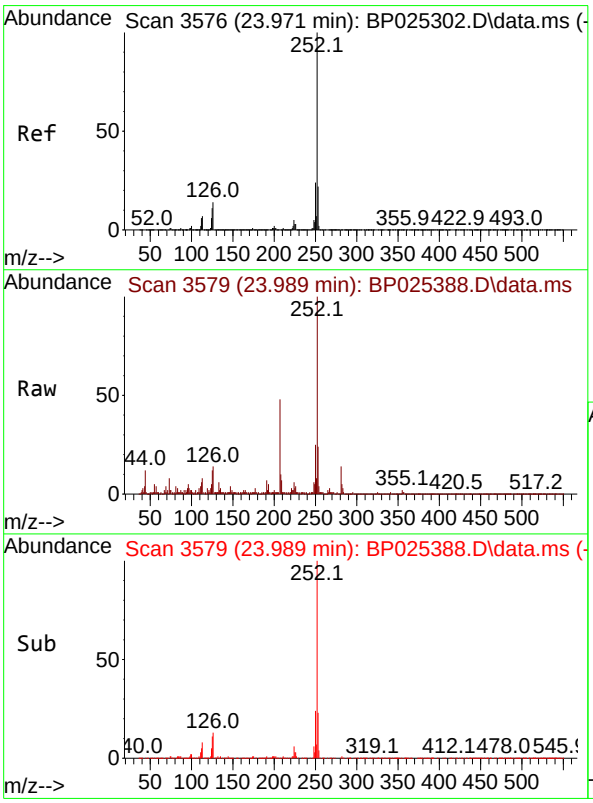
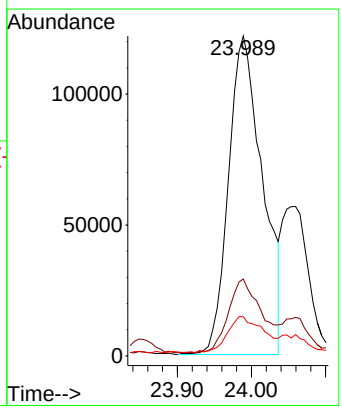
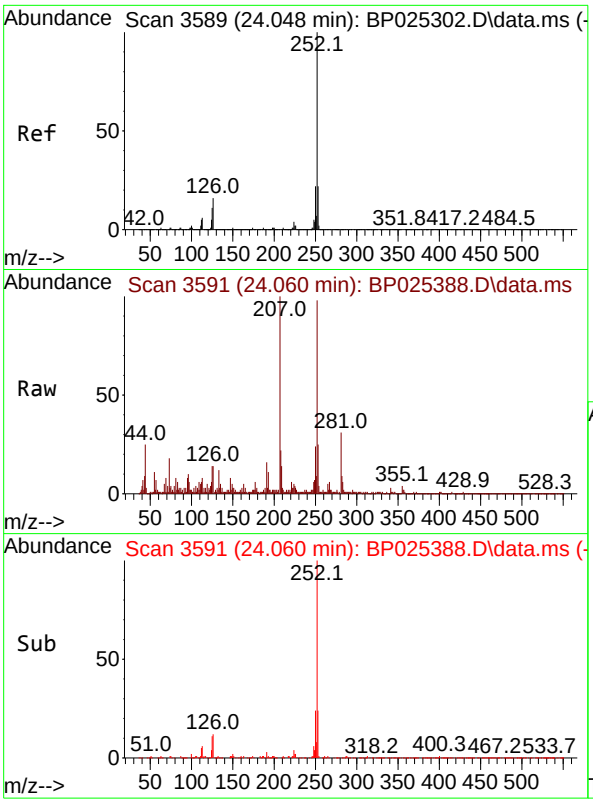


#88
Benzo(b)fluoranthene
Concen: 5.571 ng
RT: 23.989 min Scan# 3579
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 388202

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	12.3	8.5	12.7

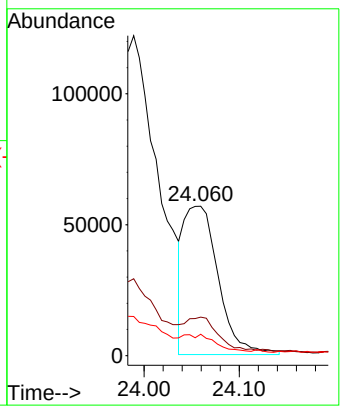




#89
Benzo(k)fluoranthene
Concen: 2.077 ng m
RT: 24.060 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 14347

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.6	26.4
125	14.3	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
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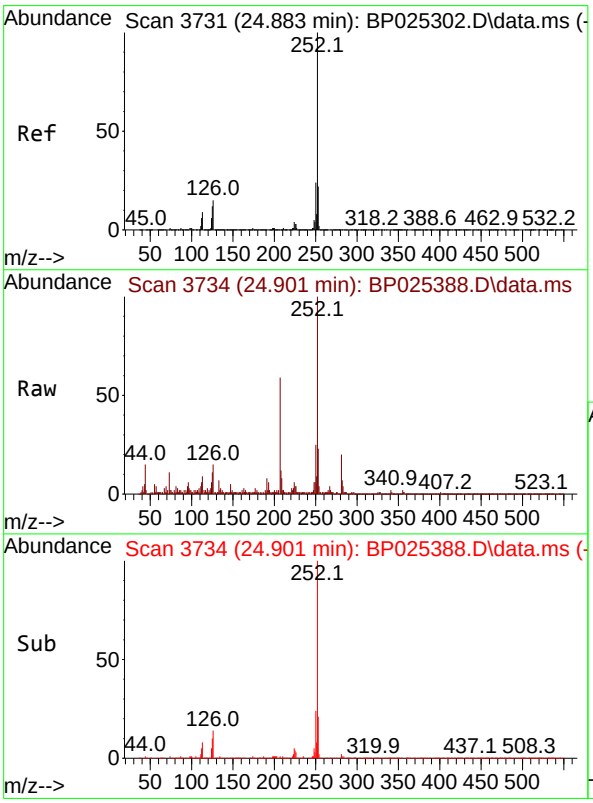
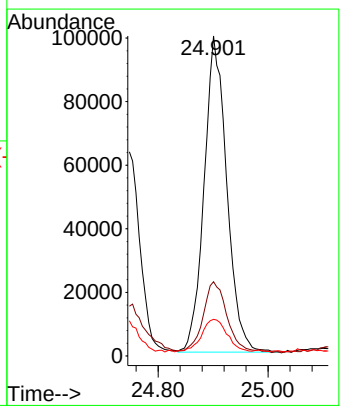
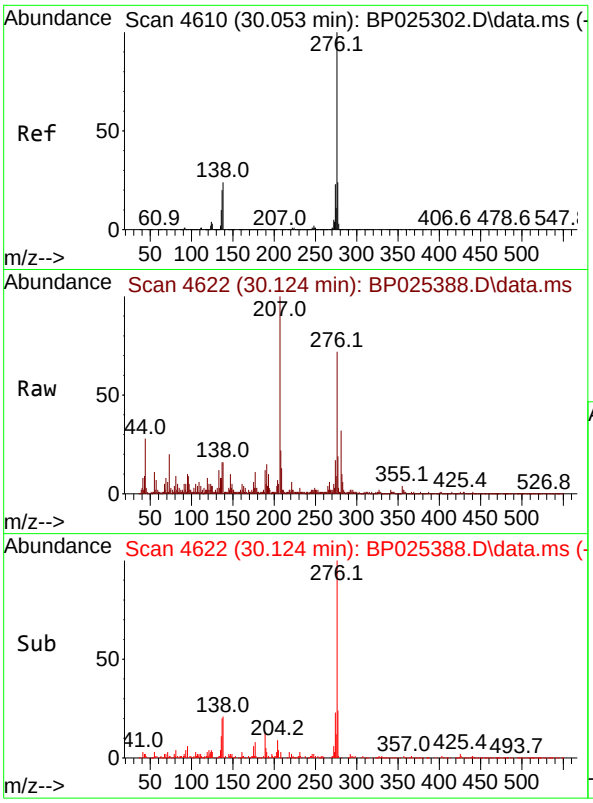


#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 284283

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.5	9.4	14.0

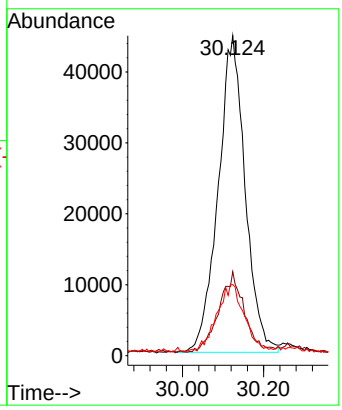




#92
Benzo(g,h,i)perylene
Concen: 3.075 ng
RT: 30.124 min Scan# 4
Delta R.T. 0.071 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:276 Resp: 20625

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.3	28.9
138	22.2	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
518R-S

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	14	rVB2	141086	233929	4.18%	0.488%
2	3.049	14	19	35	rVB	730957	1118767	20.00%	2.336%
3	4.955	336	343	348	rBV	209990	302673	5.41%	0.632%
4	5.413	414	421	433	rBV	2200748	3258977	58.25%	6.805%
5	6.108	533	539	552	rBV7	27227	70825	1.27%	0.148%
6	6.313	565	574	582	rBV7	24323	68293	1.22%	0.143%
7	6.466	591	600	603	rBV5	40400	84932	1.52%	0.177%
8	6.972	679	686	694	rBV	2078915	3256162	58.20%	6.799%
9	7.796	819	826	834	rVB	765981	1241812	22.19%	2.593%
10	8.096	869	877	884	rVB4	28833	62652	1.12%	0.131%
11	8.937	1004	1020	1028	rBV	1312445	2307940	41.25%	4.819%
12	10.572	1288	1298	1305	rBV	971283	1728935	30.90%	3.610%
13	13.031	1708	1716	1729	rBV	3011523	4729823	84.53%	9.876%
14	14.419	1945	1952	1959	rBV	1394593	2231130	39.88%	4.659%
15	15.795	2180	2186	2196	rVB	304399	480812	8.59%	1.004%
16	15.931	2201	2209	2218	rBV	2387354	3718624	66.46%	7.765%
17	16.372	2280	2284	2289	rVB	103161	143296	2.56%	0.299%
18	17.125	2408	2412	2415	rBV2	101413	139059	2.49%	0.290%
19	17.219	2420	2428	2433	rVV	1678557	2579737	46.11%	5.387%
20	17.260	2433	2435	2439	rVB	115935	129902	2.32%	0.271%
21	17.354	2448	2451	2456	rVB	62618	88870	1.59%	0.186%
22	18.042	2562	2568	2574	rBV3	76650	169698	3.03%	0.354%
23	18.095	2574	2577	2580	rBV3	52083	73416	1.31%	0.153%
24	18.166	2584	2589	2599	rBV	1298870	2015596	36.02%	4.209%
25	18.330	2612	2617	2620	rBV2	57951	98704	1.76%	0.206%
26	18.472	2638	2641	2650	rVB3	81723	133576	2.39%	0.279%
27	19.077	2735	2744	2749	rBV5	44320	134368	2.40%	0.281%
28	19.224	2766	2769	2779	rVB	48919	78423	1.40%	0.164%
29	19.354	2786	2791	2797	rBV	785127	1109344	19.83%	2.316%
30	19.495	2811	2815	2828	rBV2	341090	639734	11.43%	1.336%
31	19.695	2845	2849	2850	rBV	101601	120842	2.16%	0.252%
32	19.730	2850	2855	2860	rVB	770193	1027961	18.37%	2.146%
33	19.942	2885	2891	2902	rVB	4070622	5595208	100.00%	11.683%
34	20.407	2966	2970	2973	rBV2	72432	115205	2.06%	0.241%
35	21.342	3126	3129	3143	rVB4	543720	925478	16.54%	1.932%
36	21.677	3177	3186	3191	rBV3	1683251	3569657	63.80%	7.454%

Sample Results: **BP025388.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	21.718	3191	3193	3204	rVB	373242	579246	10.35%	1.209%
38	23.989	3573	3579	3587	rBV	255673	725722	12.97%	1.515%
39	25.071	3756	3763	3773	rBV	960335	2802989	50.10%	5.853%

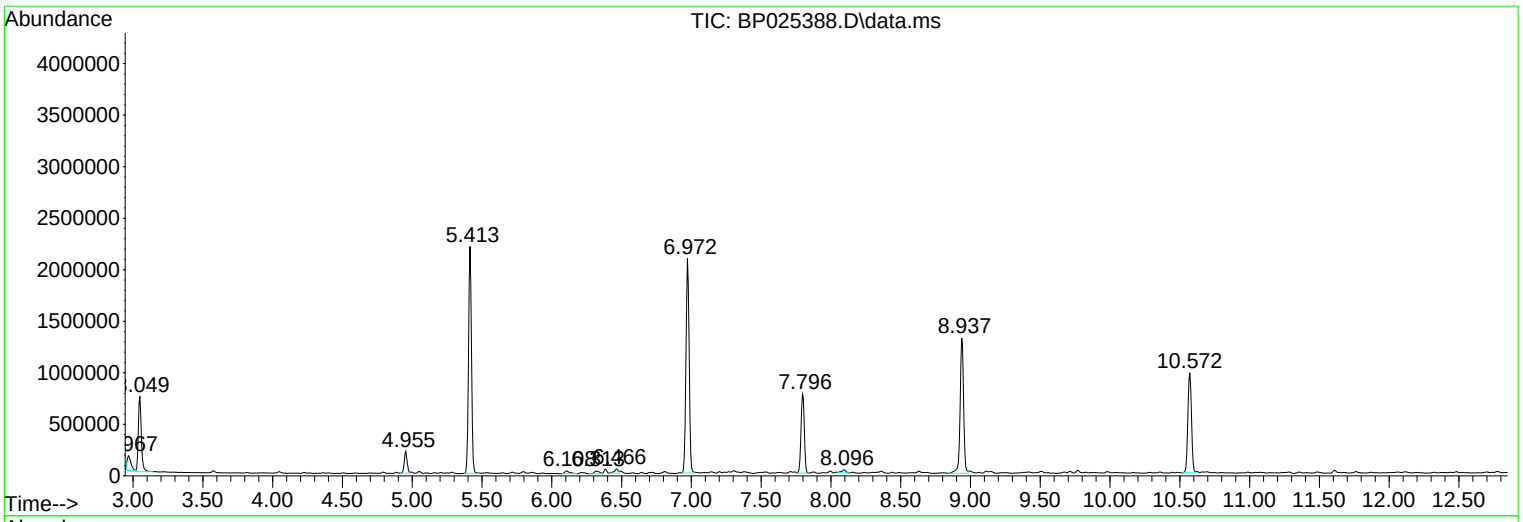
Sum of corrected areas: 47892317

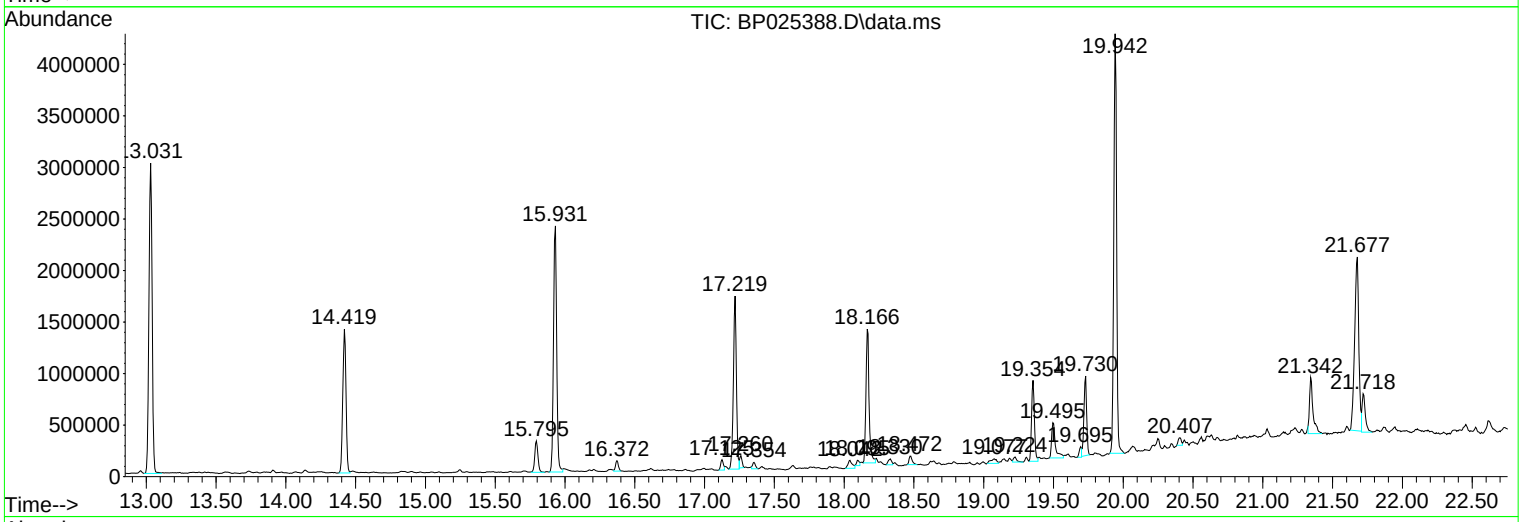
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

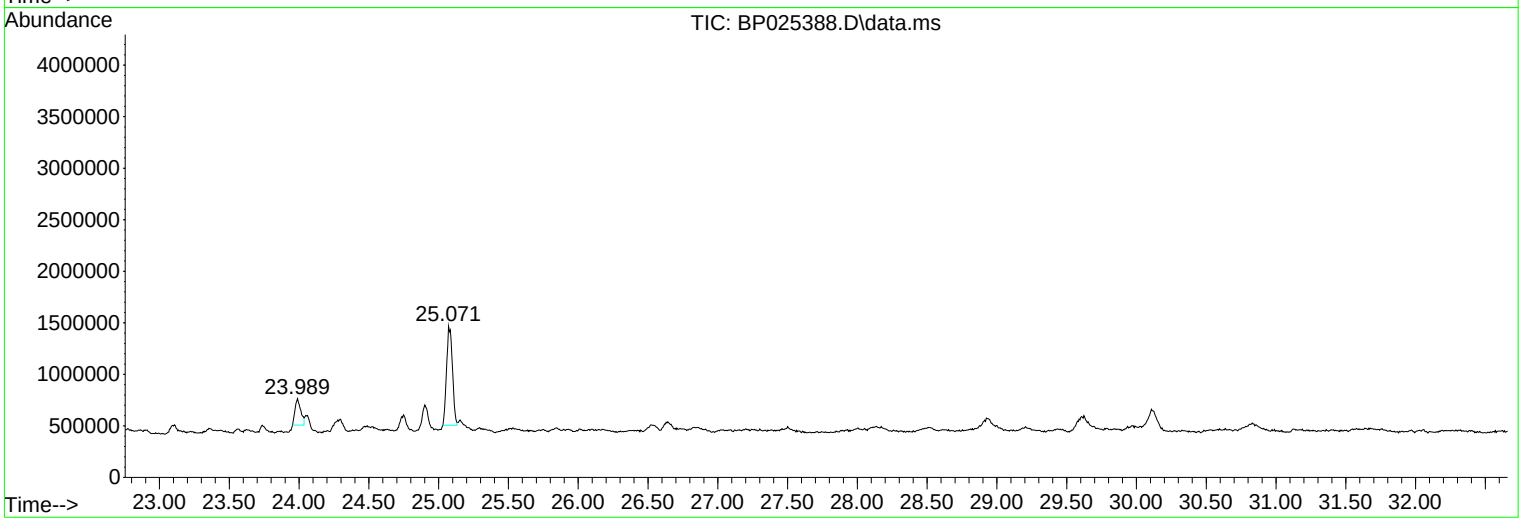
Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

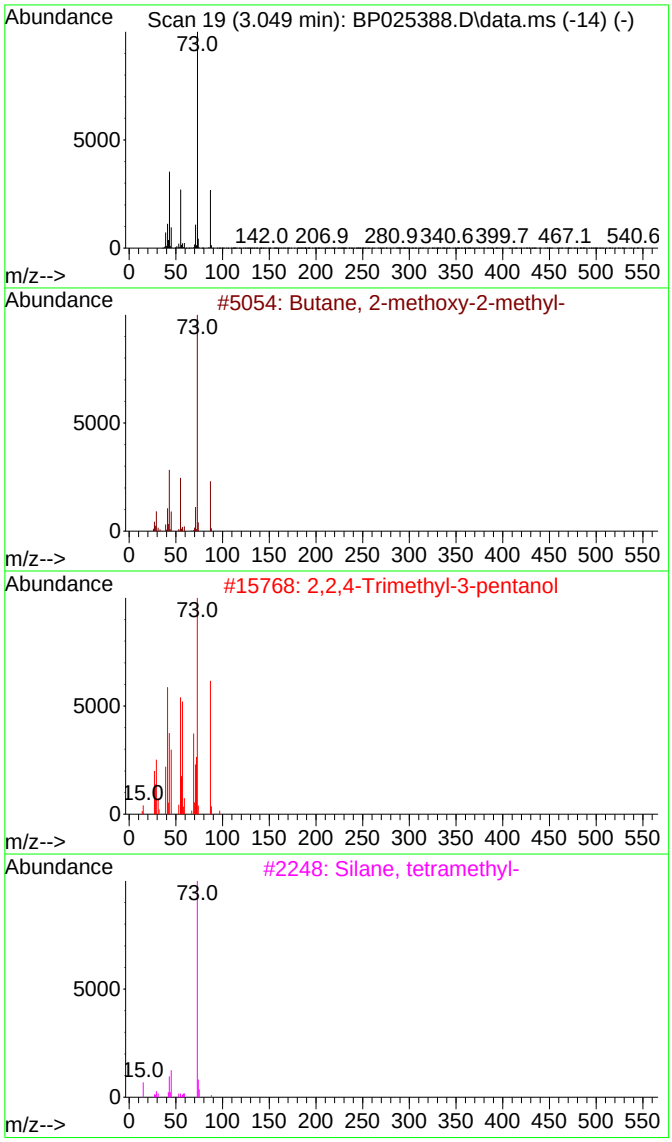
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

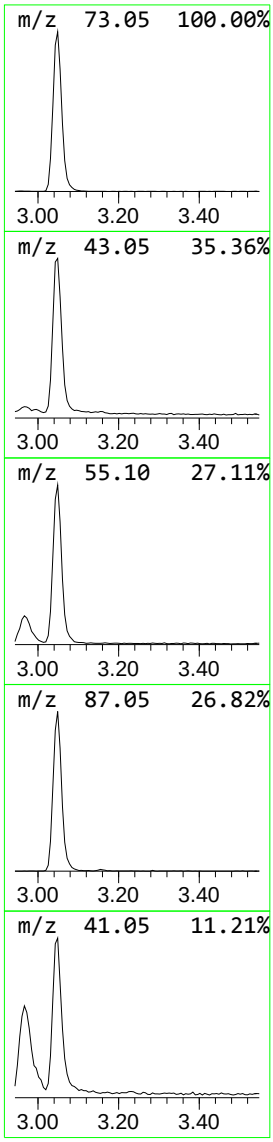
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.049	18.02 ng	1118770	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

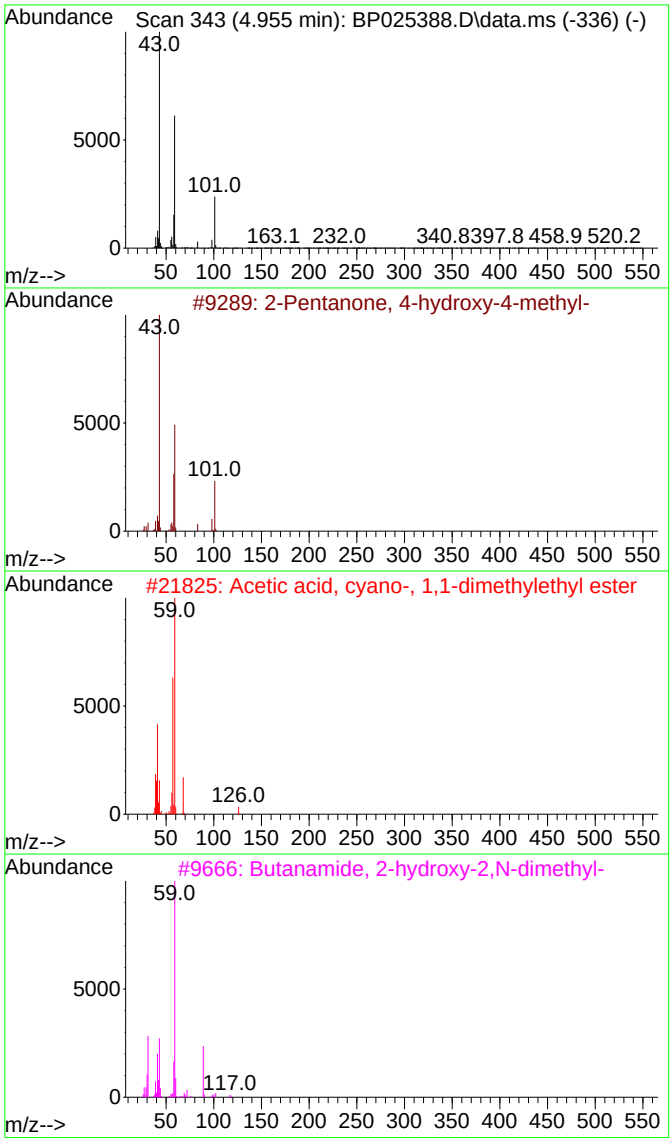
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

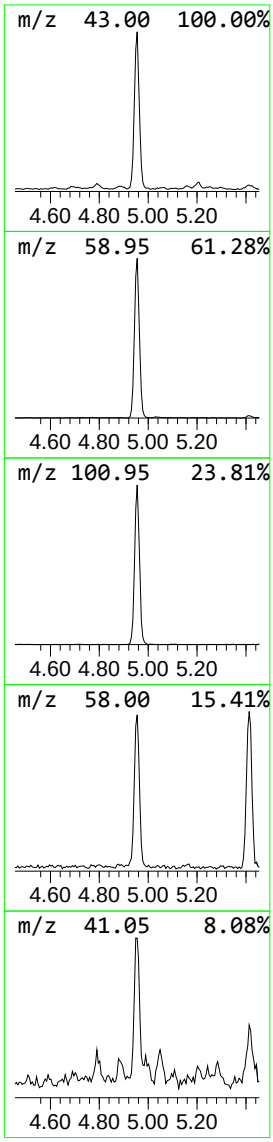
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.955	4.87 ng	302673	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

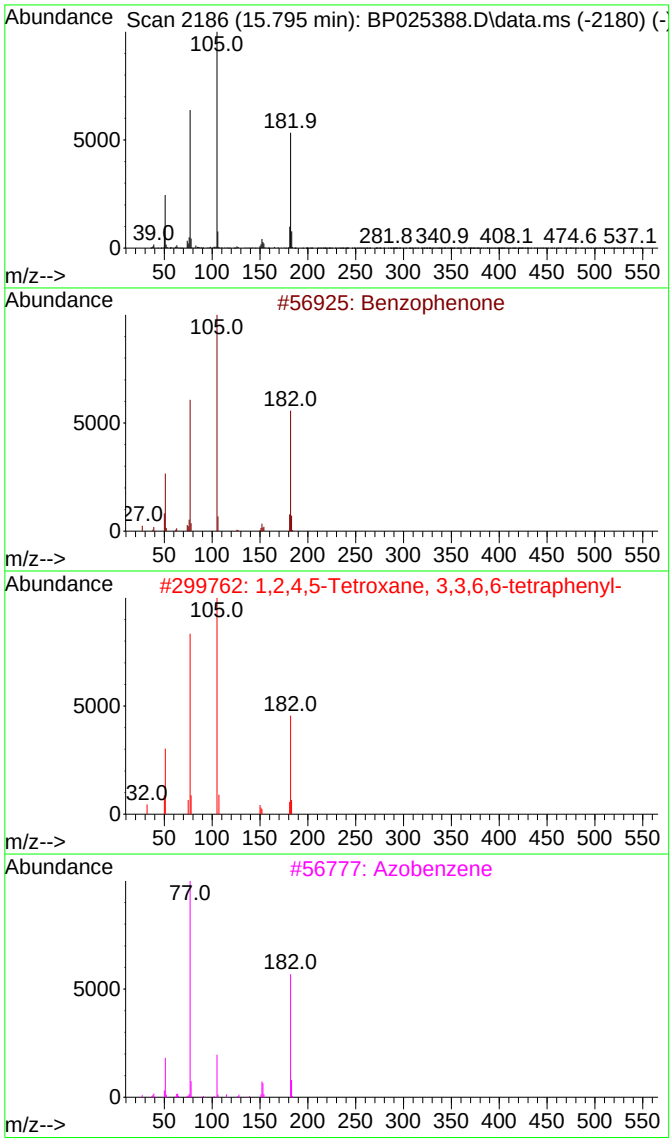
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

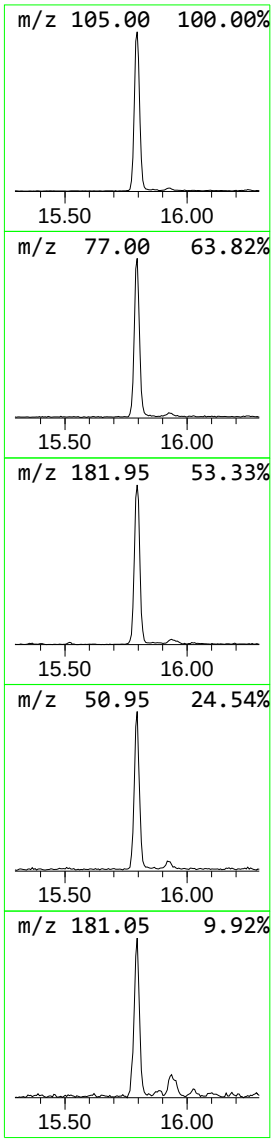
****

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.795	4.31 ng	480812	Acenaphthene-d10	14.419

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3	Azobenzene	182	C12H10N2	000103-33-3	59
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

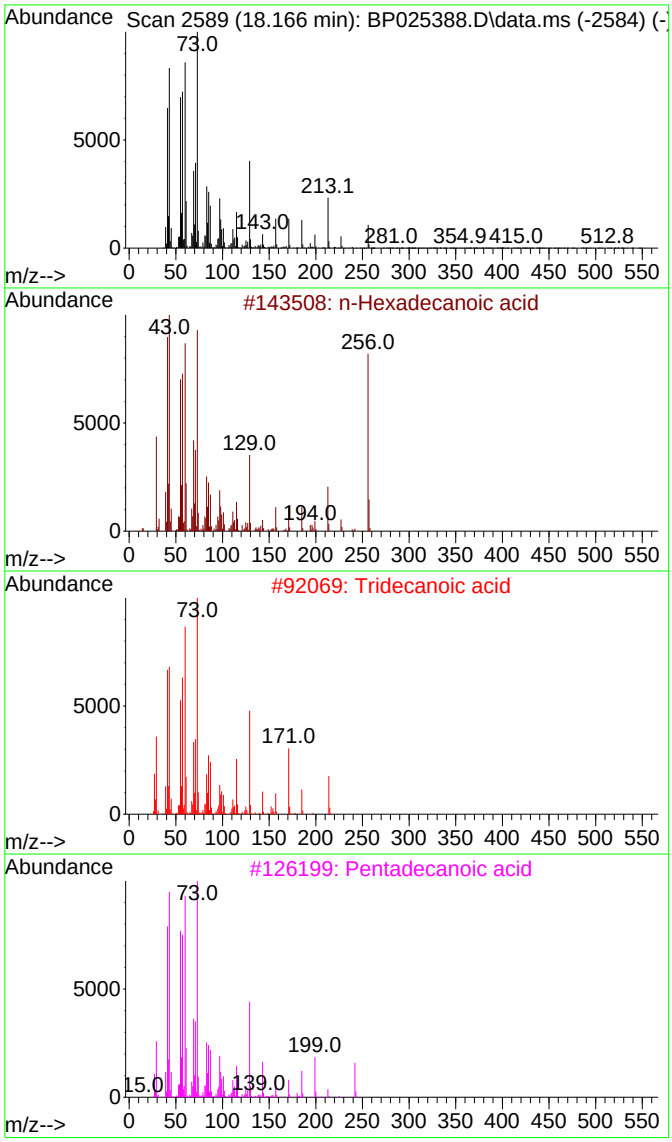
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

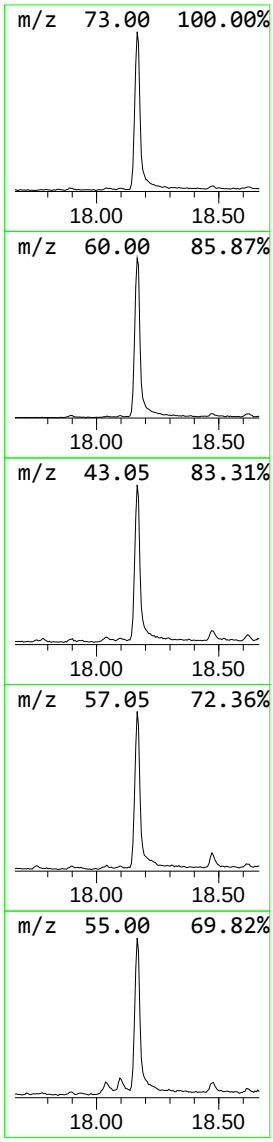
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.166	15.63 ng	2015600	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

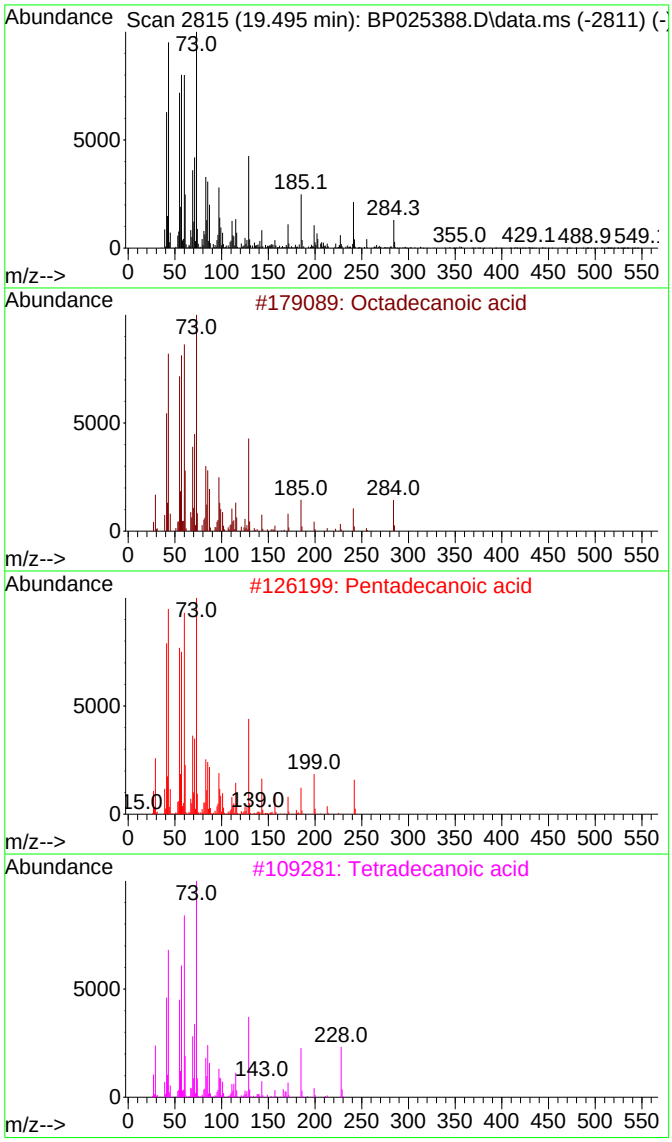
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

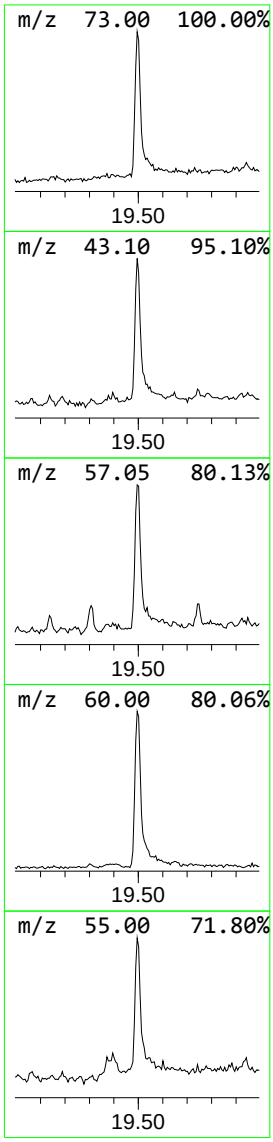
****

Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.495	3.58 ng	639734	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

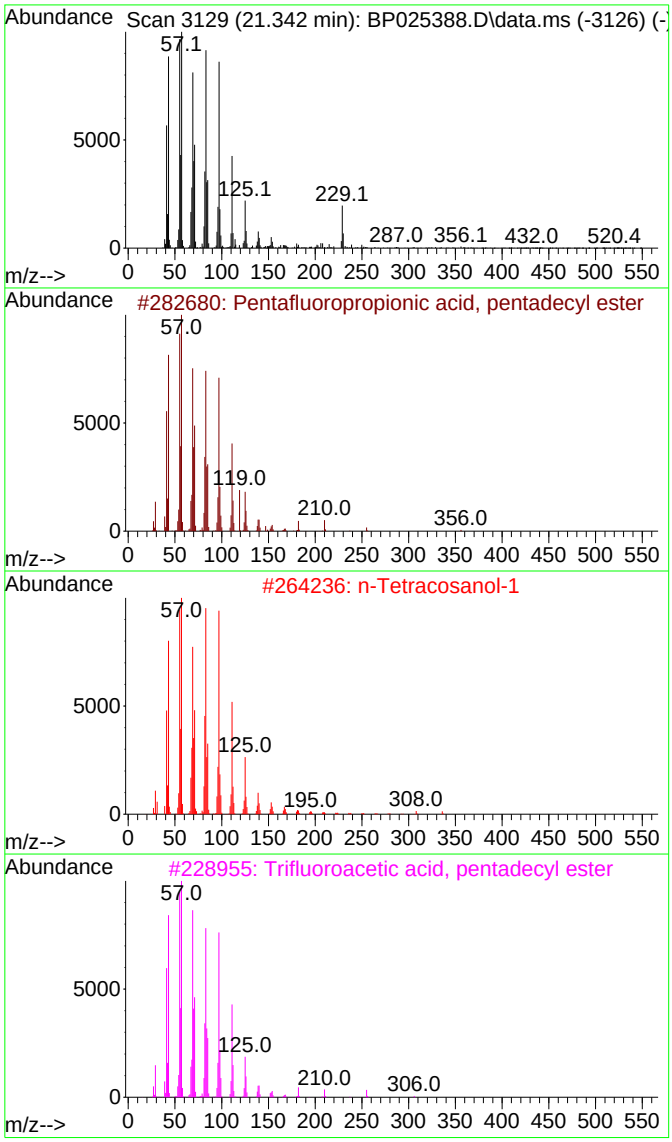
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

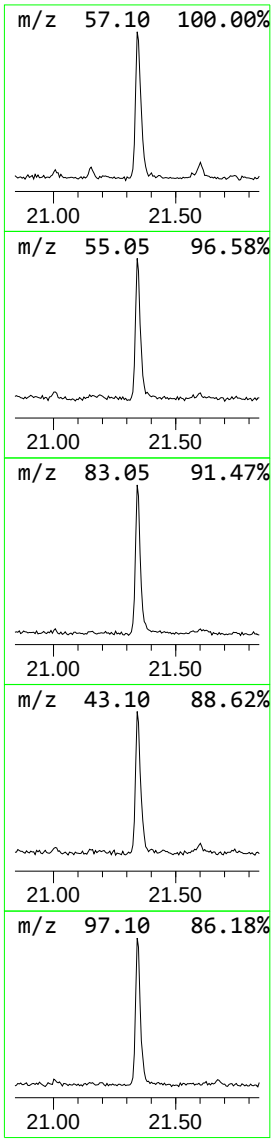
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.342	5.19 ng	925478	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.049	18.0	ng	1118770	1	7.796	1241810	20.0
2-Pentanone, 4-...	4.955	4.9	ng	302673	1	7.796	1241810	20.0
Benzophenone	15.795	4.3	ng	480812	3	14.419	2231130	20.0
n-Hexadecanoic ...	18.166	15.6	ng	2015600	4	17.219	2579740	20.0
Octadecanoic acid	19.495	3.6	ng	639734	5	21.677	3569660	20.0
Pentafluoroprop...	21.342	5.2	ng	925478	5	21.677	3569660	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	280		38.1	170	220	ug/Kg
129-00-0	Pyrene	280		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	160	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.1		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	79.3		34 - 127		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.5	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.3		39 - 132		50%	SPK: 150
1718-51-0	Terphenyl-d14	35.6	*	54 - 127		36%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179000	7.79				
1146-65-2	Naphthalene-d8	754000	10.555				
15067-26-2	Acenaphthene-d10	491000	14.396				
1517-22-2	Phenanthrene-d10	975000	17.195				
1719-03-5	Chrysene-d12	981000	21.636				
1520-96-3	Perylene-d12	1090000	25.001				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025432.D
Acq On : 15 Aug 2025 18:17
Operator : CG/JU
Sample : Q2820-07RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Quant Time: Aug 18 01:35:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

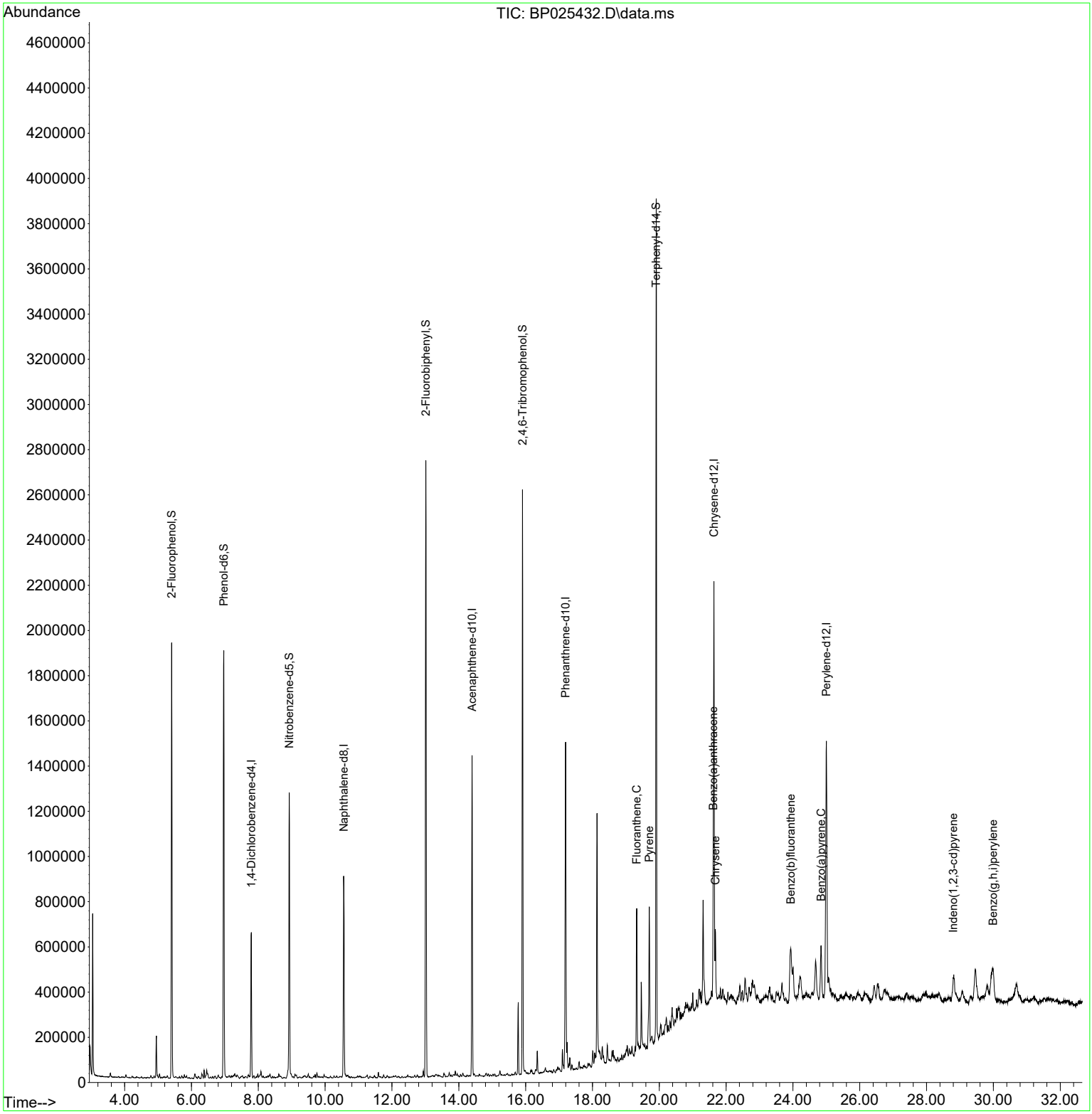
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	179235	20.000	ng		0.00
21) Naphthalene-d8	10.555	136	753535	20.000	ng		0.00
39) Acenaphthene-d10	14.396	164	491372	20.000	ng		-0.01
64) Phenanthrene-d10	17.195	188	974965	20.000	ng		0.00
76) Chrysene-d12	21.636	240	981082	20.000	ng		-0.01
86) Perylene-d12	25.001	264	1090629	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	832459	77.131	ng		0.00
7) Phenol-d6	6.967	99	1097761	79.334	ng		0.00
23) Nitrobenzene-d5	8.925	82	683691	45.897	ng		-0.01
42) 2,4,6-Tribromophenol	15.907	330	491427	74.302	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	1527739	42.492	ng		0.00
79) Terphenyl-d14	19.907	244	1908236	35.586	ng		-0.01
Target Compounds							Qvalue
75) Fluoranthene	19.325	202	429343	6.721	ng		99
78) Pyrene	19.701	202	425334	6.670	ng		99
81) Benzo(a)anthracene	21.613	228	270559	4.182	ng		99
83) Chrysene	21.677	228	235050	3.879	ng		96
87) Indeno(1,2,3-cd)pyrene	28.801	276	194162	2.428	ng	#	92
88) Benzo(b)fluoranthene	23.936	252	357789	5.563	ng		96
90) Benzo(a)pyrene	24.842	252	262653	4.196	ng		97
92) Benzo(g,h,i)perylene	29.995	276	190056	2.958	ng		98

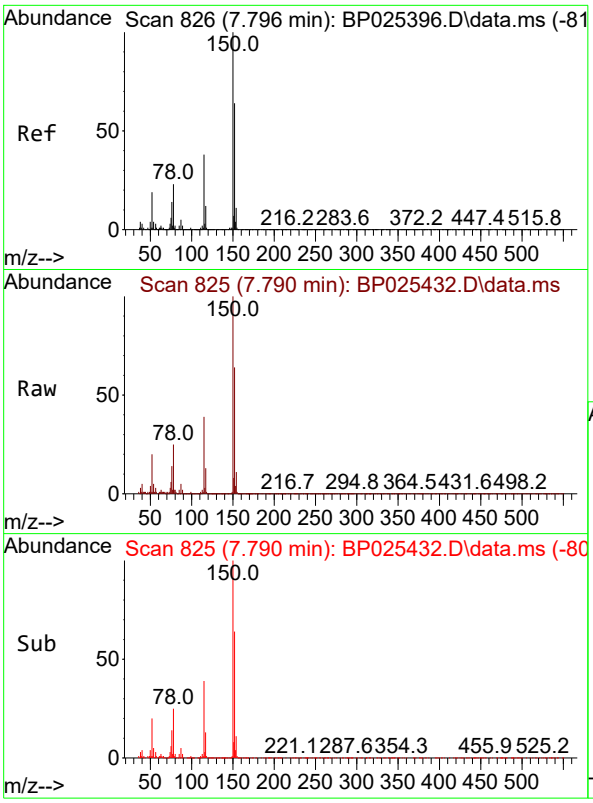
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025432.D
Acq On : 15 Aug 2025 18:17
Operator : CG/JU
Sample : Q2820-07RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Quant Time: Aug 18 01:35:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



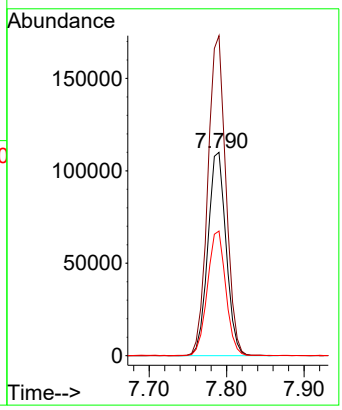


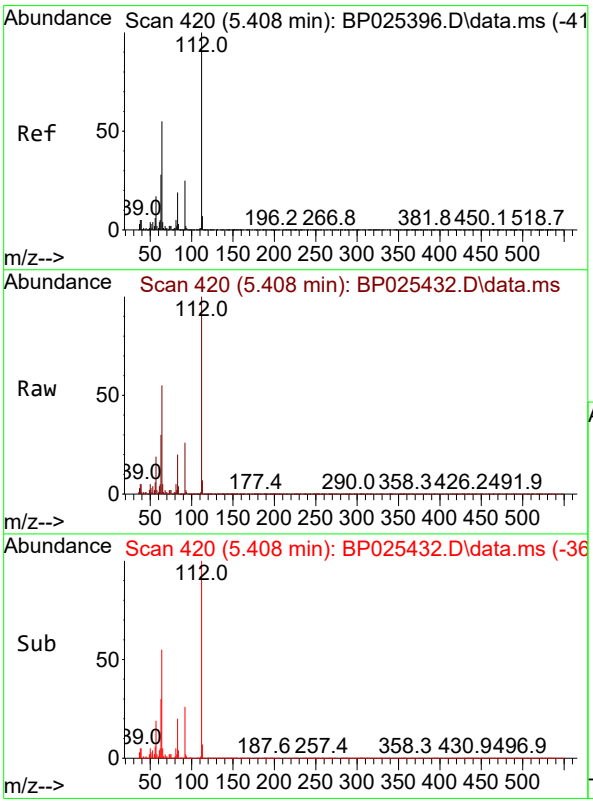
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:152 Resp: 179235

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	61.3	48.5	72.7

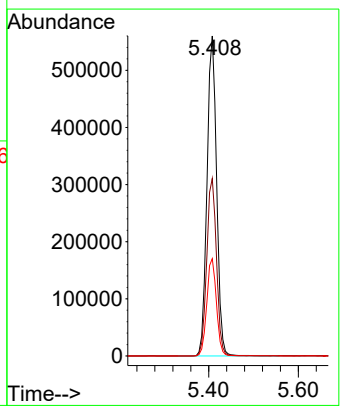


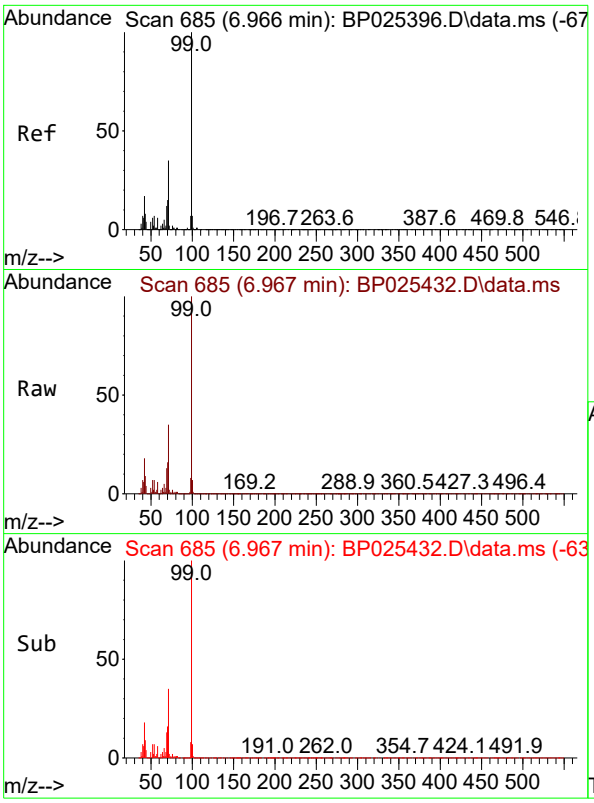


#5
2-Fluorophenol
Concen: 77.131 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:112 Resp: 832459

Ion	Ratio	Lower	Upper
112	100		
64	55.5	43.8	65.8
63	30.4	22.7	34.1



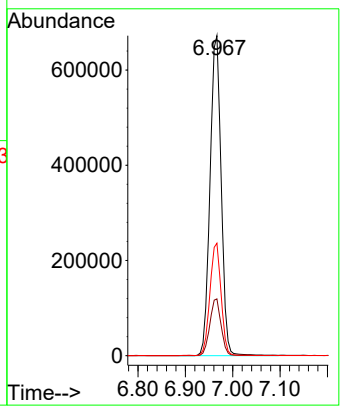


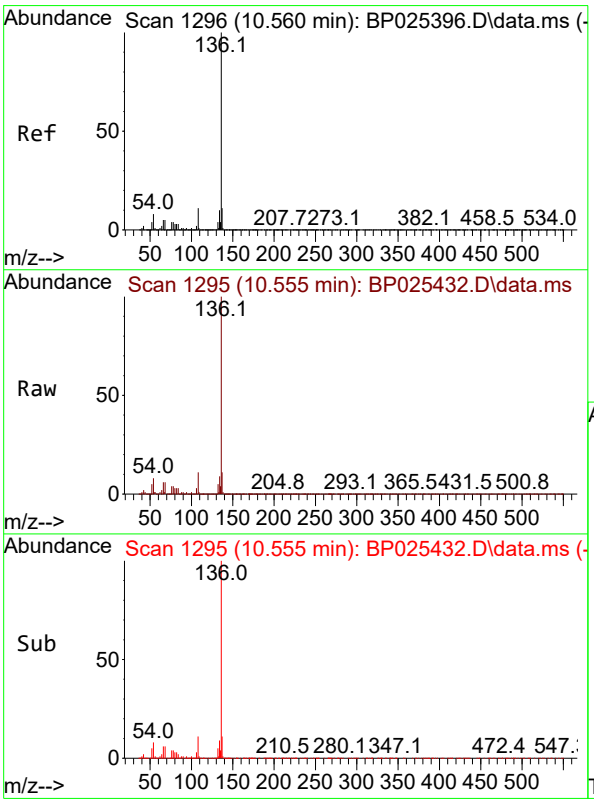
#7
Phenol-d6
Concen: 79.334 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion: 99 Resp: 1097761

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.2	28.2	42.4

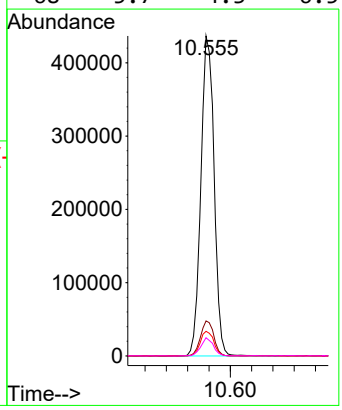


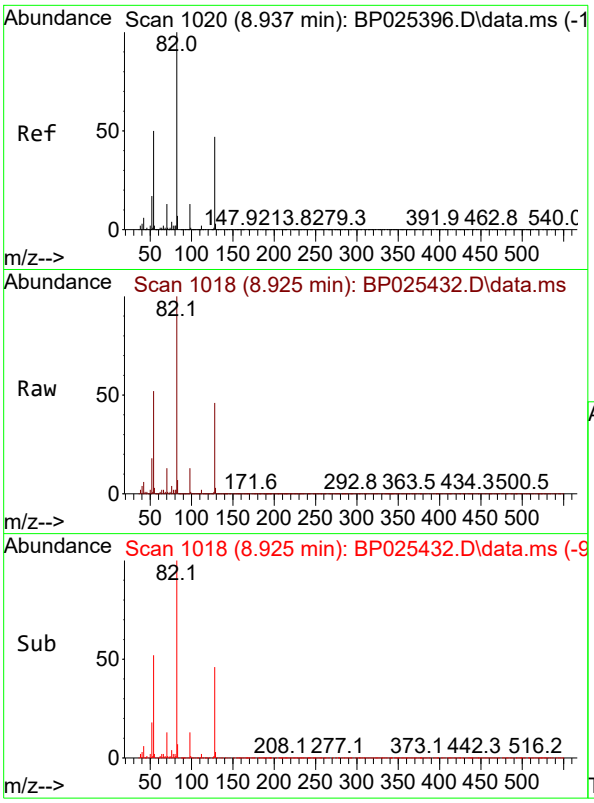


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:136 Resp: 753535

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.7	6.0	9.0
68	5.7	4.3	6.5



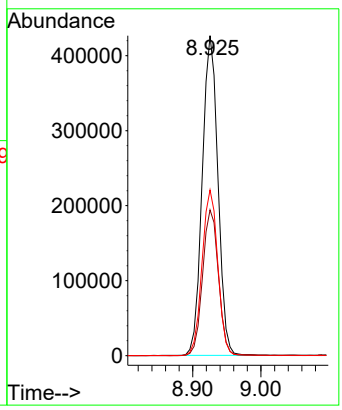


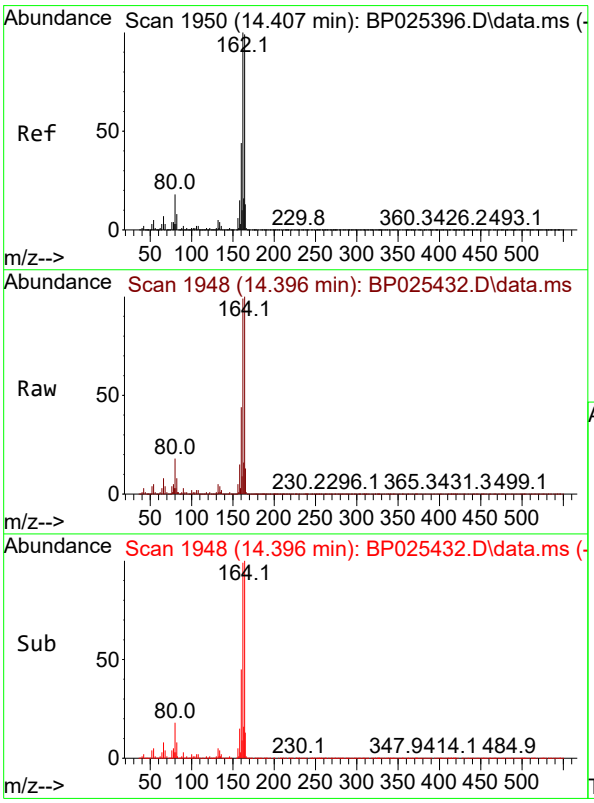
#23
Nitrobenzene-d5
Concen: 45.897 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion: 82 Resp: 683691

Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.7	56.5
54	51.8	39.8	59.6

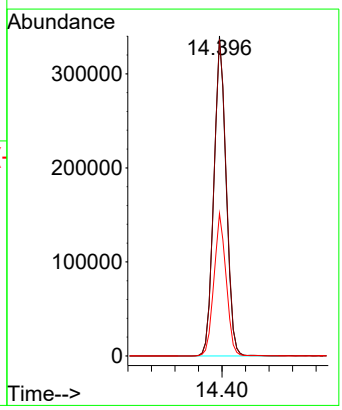


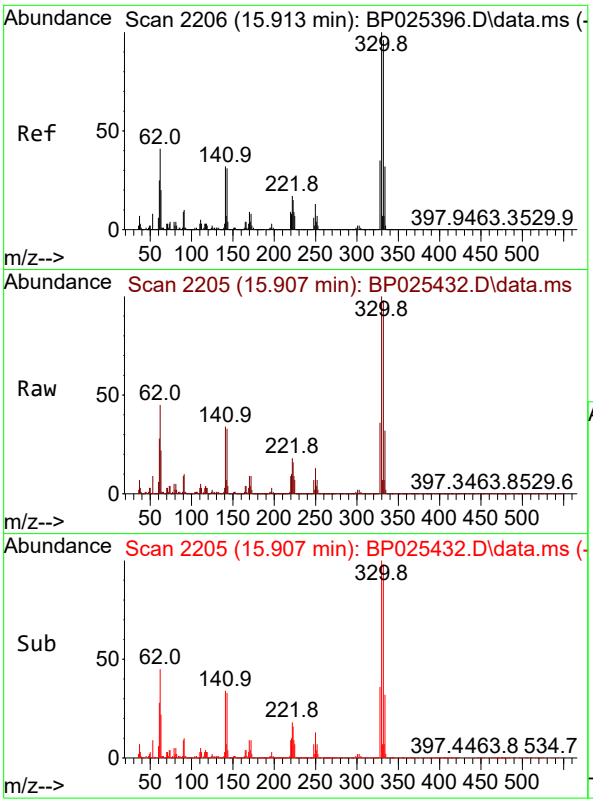


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:164 Resp: 491372

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.6
160	44.5	35.4	53.2



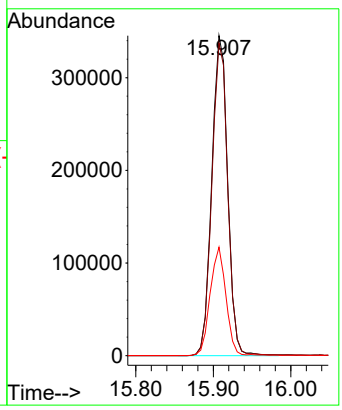


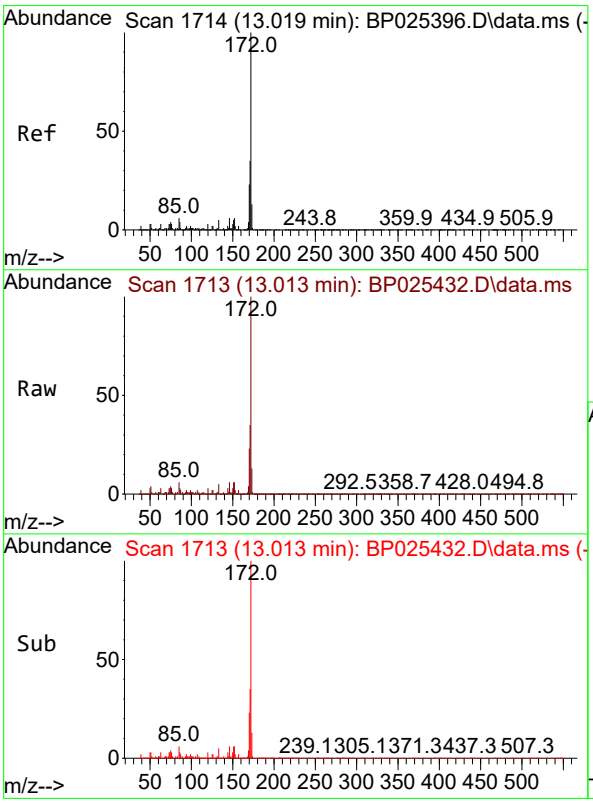
#42
2,4,6-Tribromophenol
Concen: 74.302 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:330 Resp: 491427

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	33.8	26.6	39.8

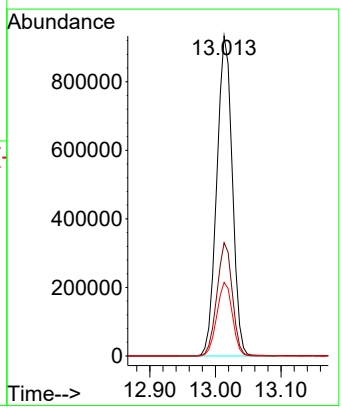


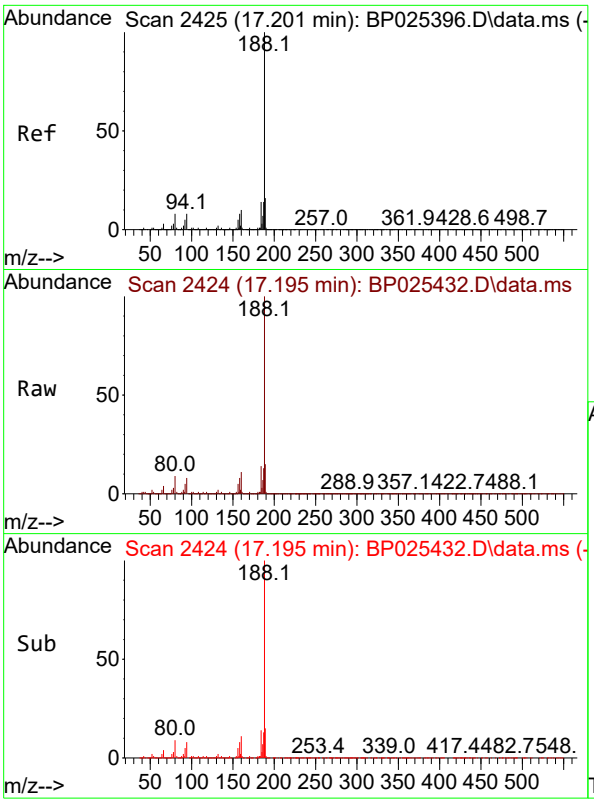


#45
2-Fluorobiphenyl
Concen: 42.492 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:172 Resp: 1527739

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.0	18.6	28.0



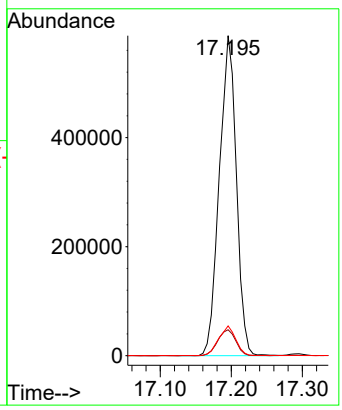


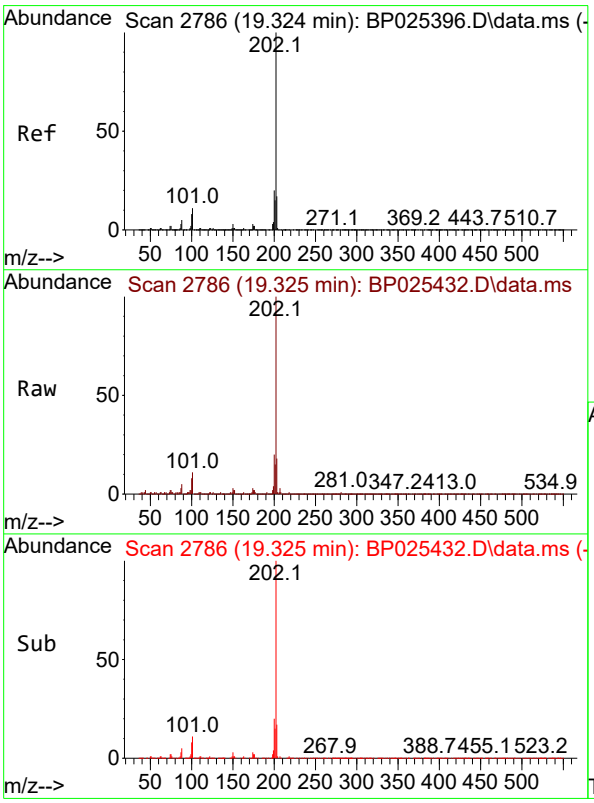
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:188 Resp: 974965

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	9.3	6.7	10.1

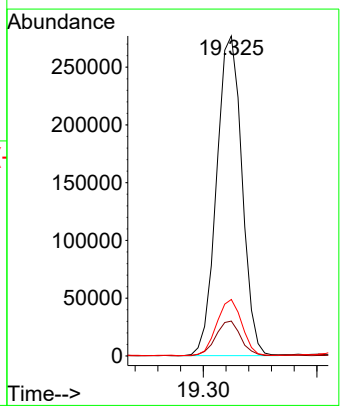


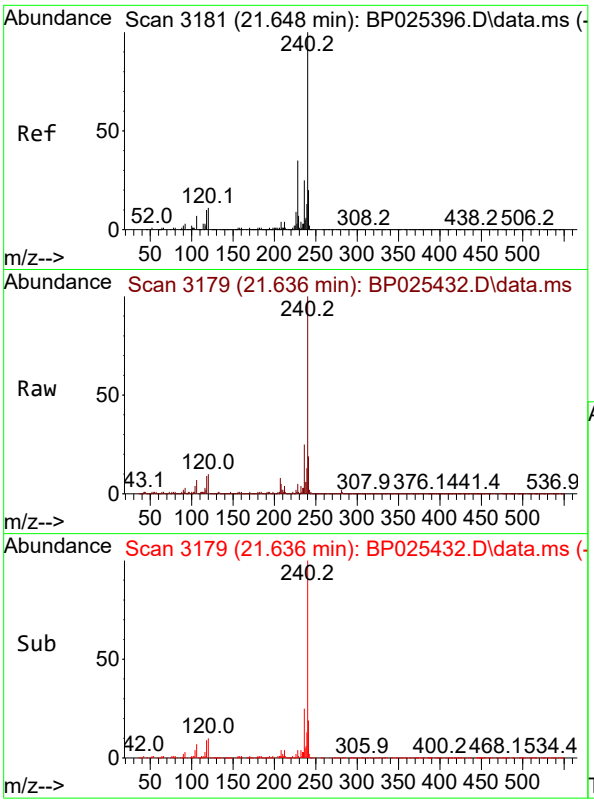


#75
Fluoranthene
Concen: 6.721 ng
RT: 19.325 min Scan# 2786
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:202 Resp: 429343

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	17.7	0.0	37.3



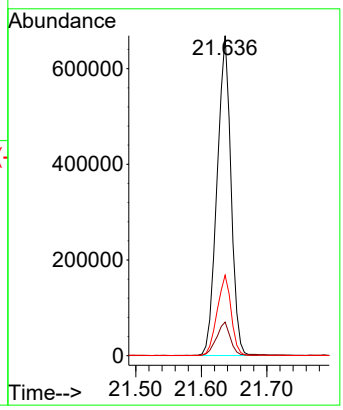


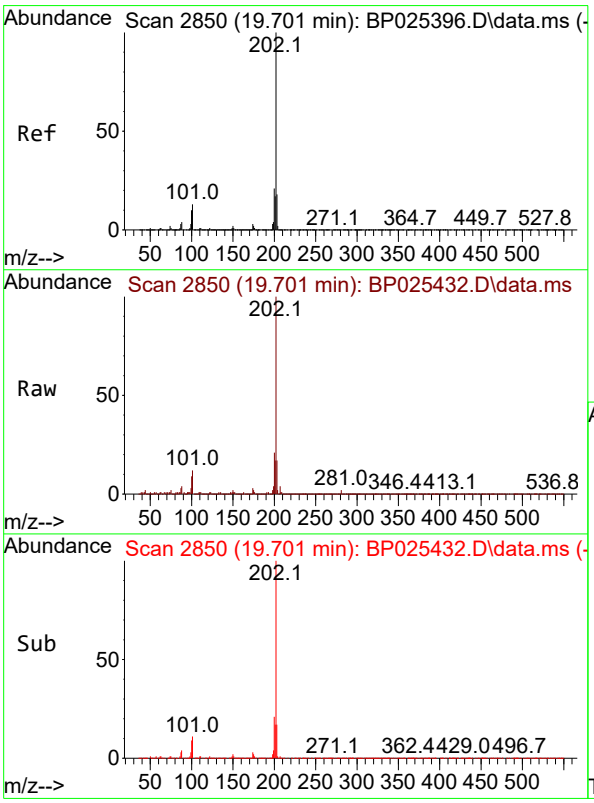
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:240 Resp: 981082

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.1	19.8	29.8

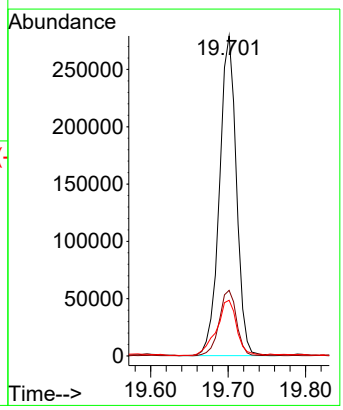


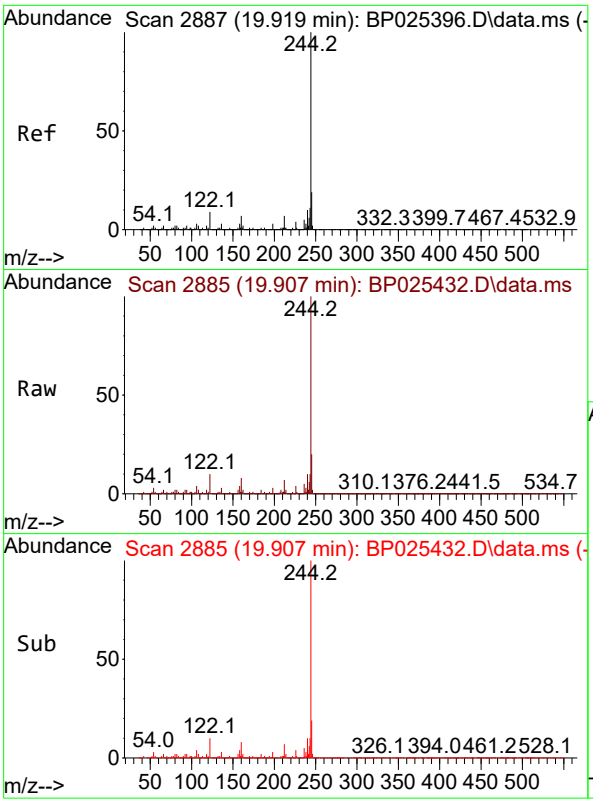


#78
Pyrene
Concen: 6.670 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:202 Resp: 425334

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	17.4	14.2	21.2



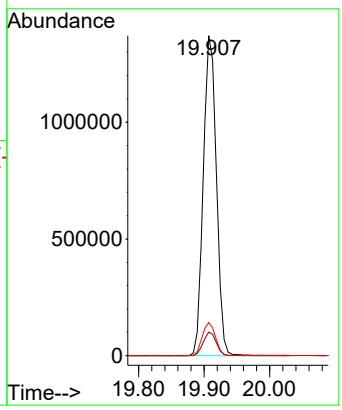


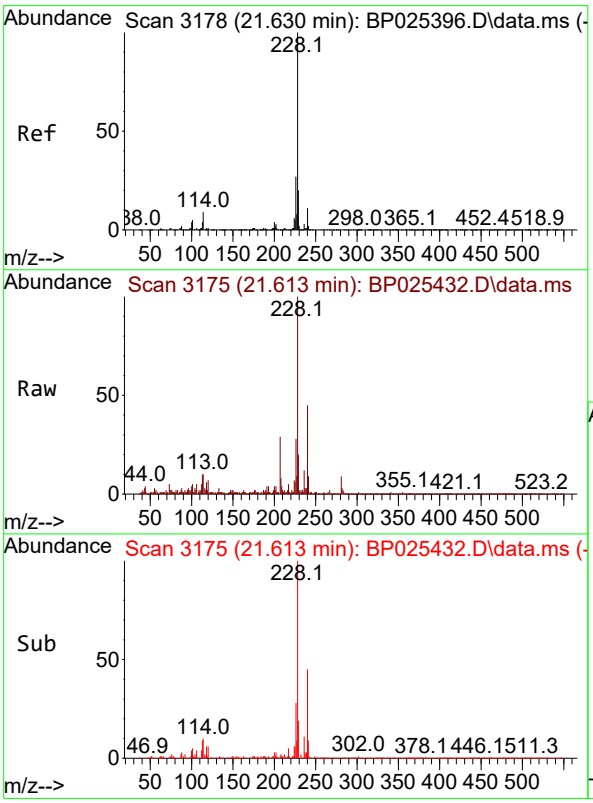
#79
Terphenyl-d14
Concen: 35.586 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:244 Resp: 1908236

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.3	7.4	11.2

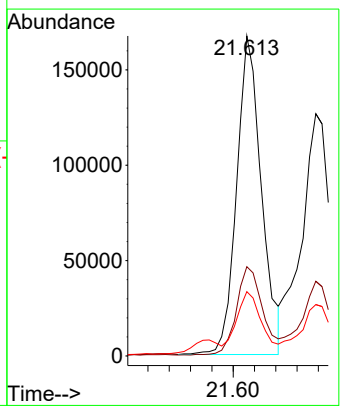


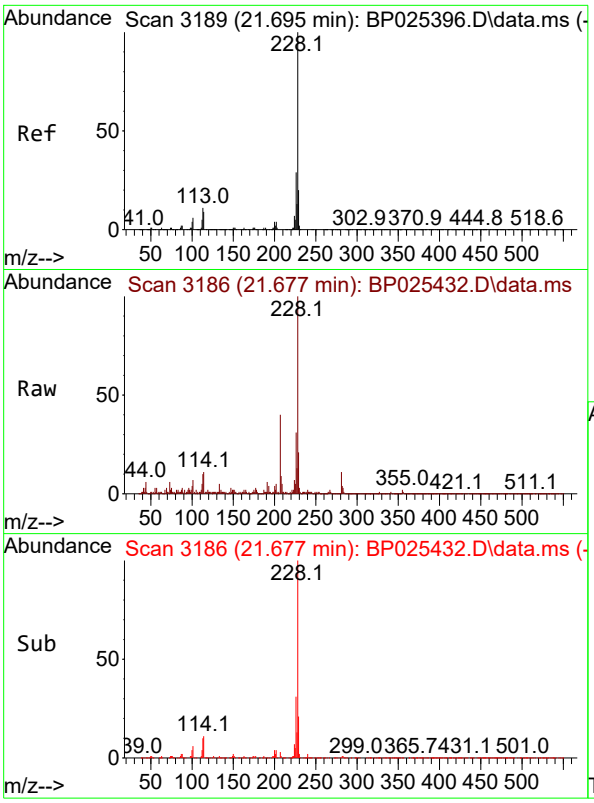


#81
Benzo(a)anthracene
Concen: 4.182 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.017 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:228 Resp: 270559

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.7	32.5
229	20.1	15.6	23.4



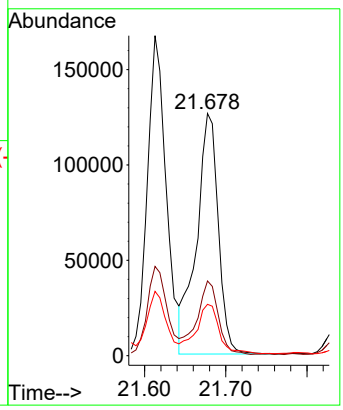


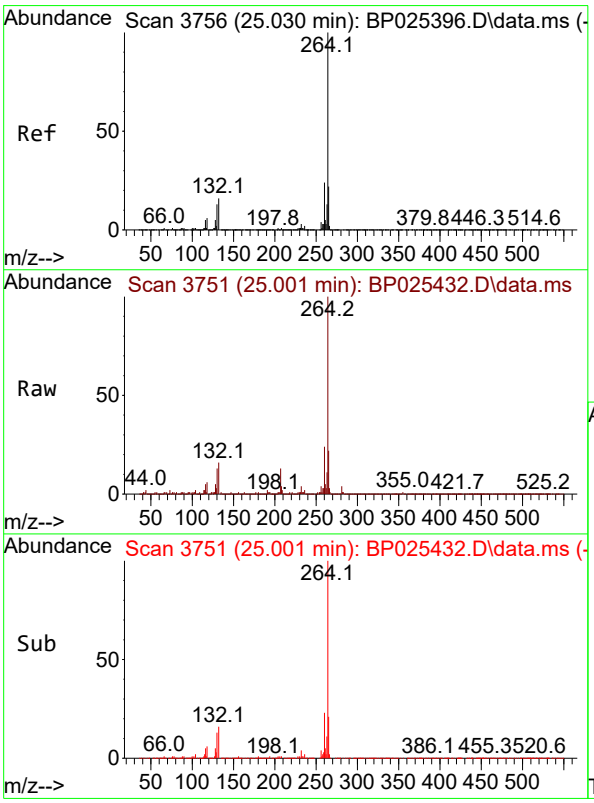
#83
Chrysene
Concen: 3.879 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:228 Resp: 235050

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.2	34.8
229	21.2	15.6	23.4

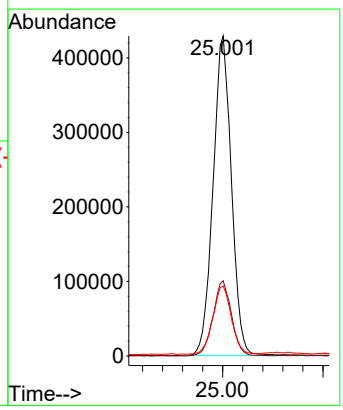


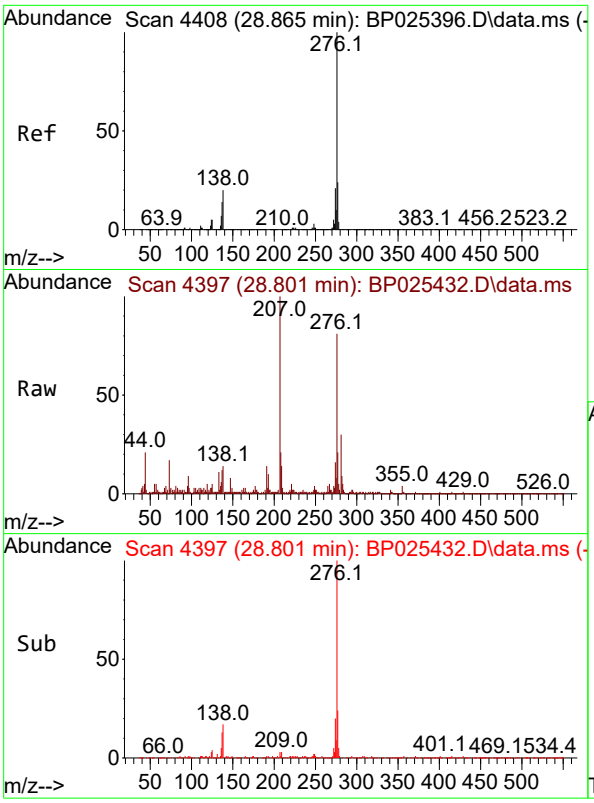


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:264 Resp: 1090629

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.8	17.4	26.0



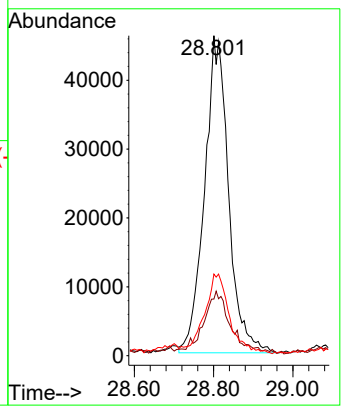


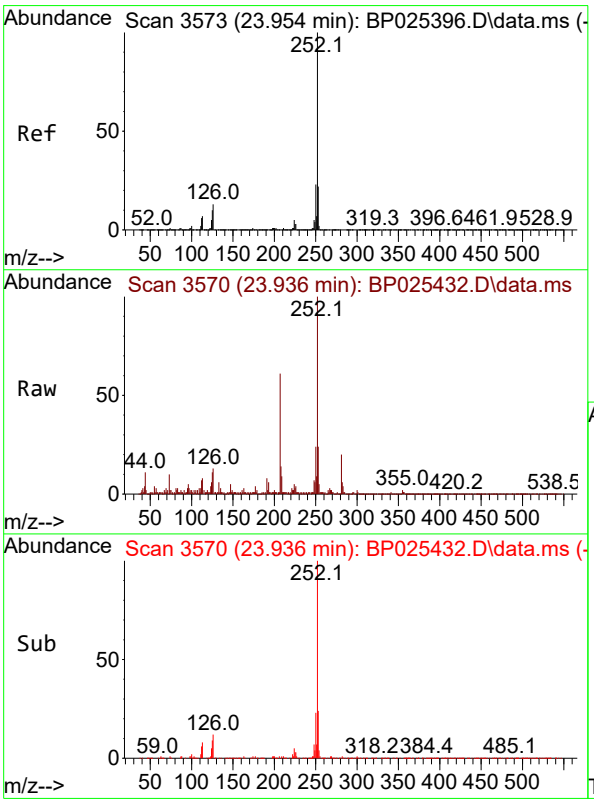
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.428 ng
RT: 28.801 min Scan# 4
Delta R.T. -0.064 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:276 Resp: 194162

Ion	Ratio	Lower	Upper
276	100		
138	18.6	12.9	19.3
277	25.9	17.0	25.6#

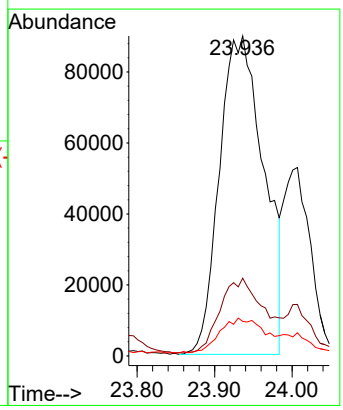


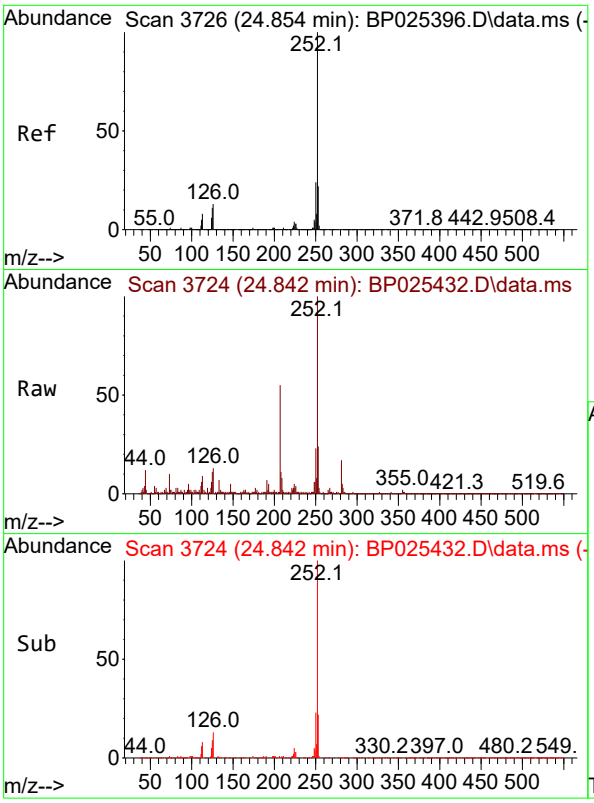


#88
Benzo(b)fluoranthene
Concen: 5.563 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.017 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:252 Resp: 357789

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	10.8	7.9	11.9



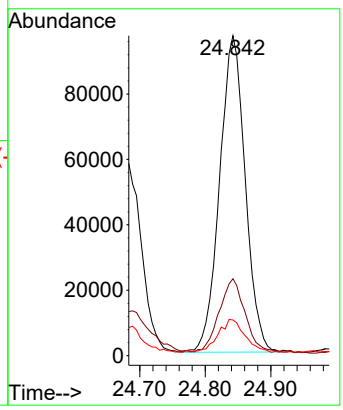


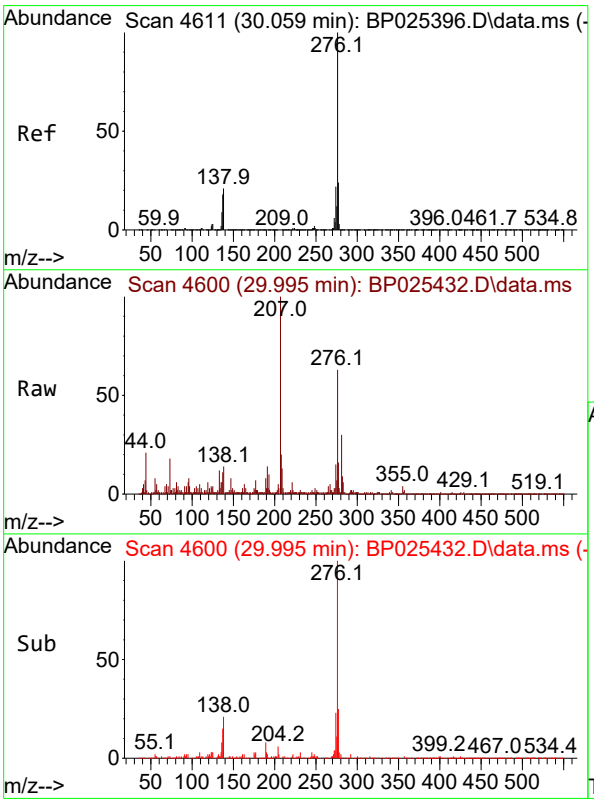
#90
Benzo(a)pyrene
Concen: 4.196 ng
RT: 24.842 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
518R-SRE

Tgt Ion:252 Resp: 262653

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.2	8.7	13.1

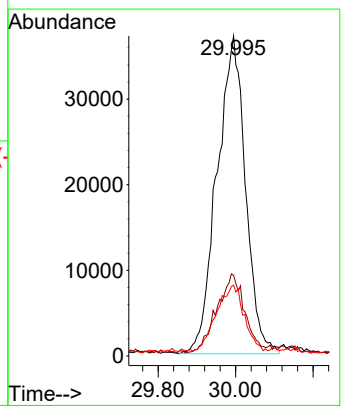




#92
Benzo(g,h,i)perylene
Concen: 2.958 ng
RT: 29.995 min Scan# 4600
Delta R.T. -0.064 min
Lab File: BP025432.D
Acq: 15 Aug 2025 18:17

Tgt Ion:276 Resp: 190056

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.0
138	22.1	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.2	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.3	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.0	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.6	U	53.1	89.6	89.6	ug/Kg
67-72-1	Hexachloroethane	150	U	19.7	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.2	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.6	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.5	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.7	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.6	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.4	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.2	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	53.9	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.4	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.5	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.4	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.1	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.7	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	29.9	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	71.9	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.1	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.5	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.4	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.3	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.7	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.6	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.3	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.0	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.1	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.3	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.3	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.1	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.7	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.7	150	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121		35 - 115		81%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127		75%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.8		37 - 122		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		44 - 115		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177		39 - 132		118%	SPK: 150
1718-51-0	Terphenyl-d14	82.0		54 - 127		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161000	7.802				
1146-65-2	Naphthalene-d8	626000	10.572				
15067-26-2	Acenaphthene-d10	389000	14.425				
1517-22-2	Phenanthrene-d10	792000	17.225				
1719-03-5	Chrysene-d12	857000	21.677				
1520-96-3	Perylene-d12	970000	25.083				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB			4.95	ug/Kg
65-85-0	Benzoic acid	270	J			9.82	ug/Kg
000119-61-9	Benzophenone	150	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J			18.2	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J			19.1	ug/Kg
018435-45-5	1-Nonadecene	150	J			20.3	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
1000351-78-2	Heptacosyl acetate	400	J			21.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Time: Aug 13 14:23:36 2025
Quant Title :
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

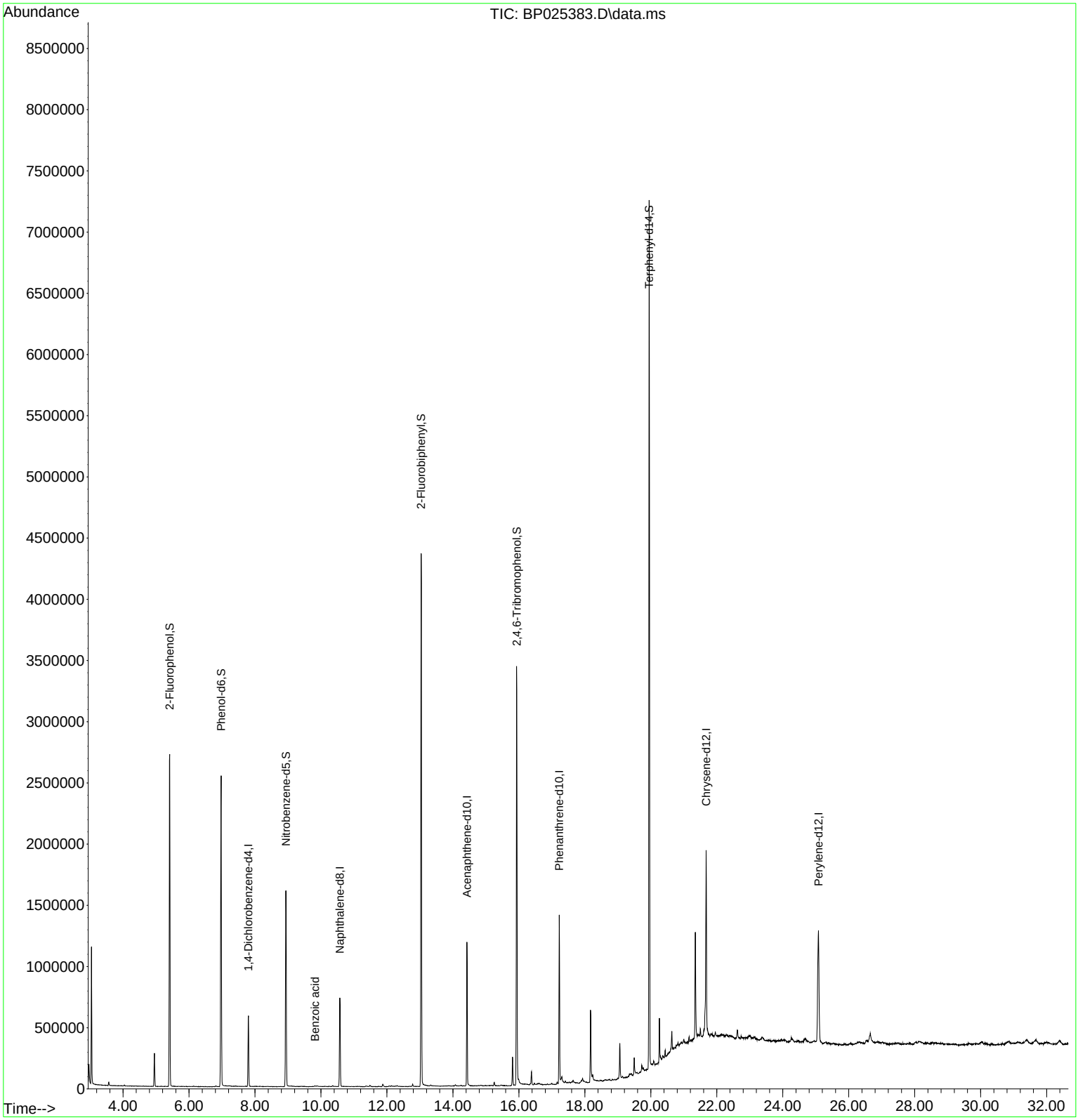
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	161270	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	625957	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	388971	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	792350	20.000	ng	0.00
76) Chrysene-d12	21.677	240	857200	20.000	ng	0.02
86) Perylene-d12	25.083	264	969724	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1211653	120.839	ng	0.00
7) Phenol-d6	6.972	99	1485249	112.551	ng	0.00
23) Nitrobenzene-d5	8.937	82	969737	85.828	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	687336	177.129	ng	0.01
45) 2-Fluorobiphenyl	13.037	172	2252960	80.001	ng	0.00
79) Terphenyl-d14	19.948	244	3721403	81.999	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.825	122	6736m	7.254	ng	

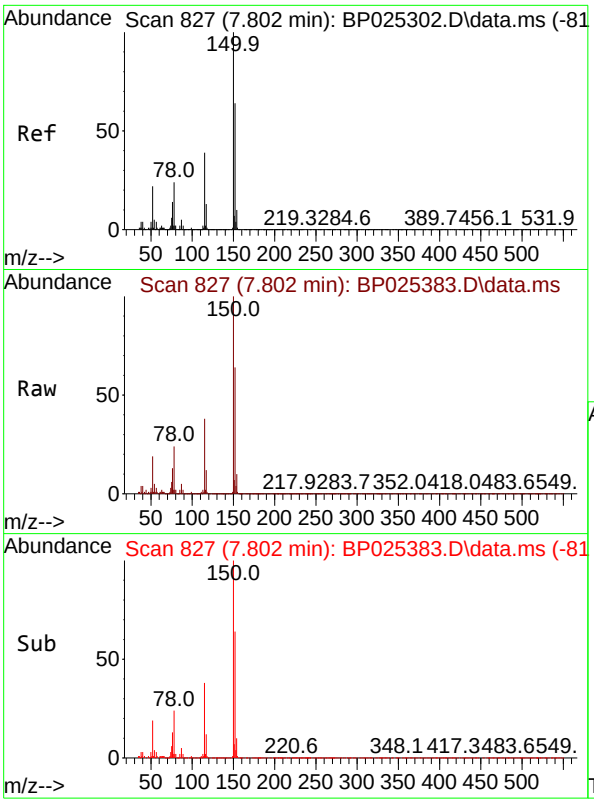
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Time: Aug 13 14:23:36 2025
Quant Title :
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



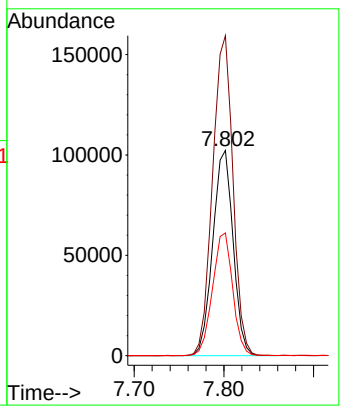


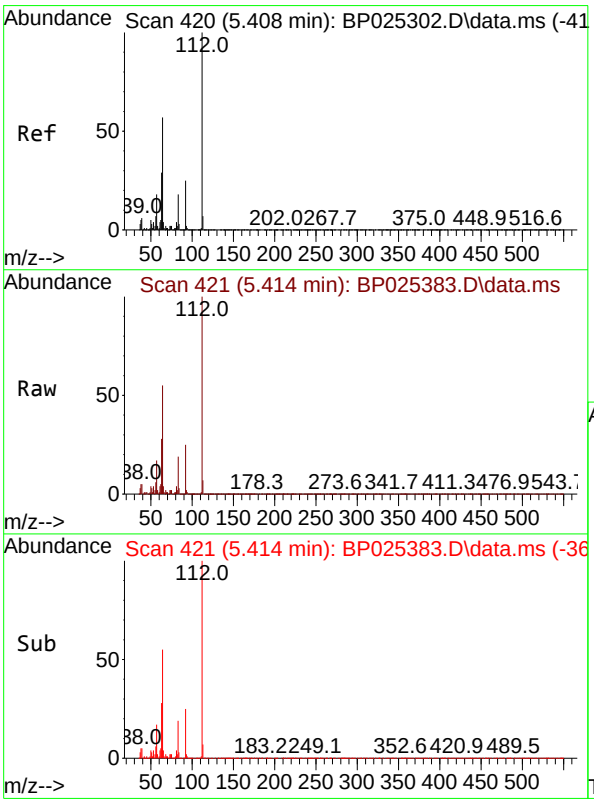
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion:152 Resp: 161270

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.1	187.7
115	59.8	48.4	72.6

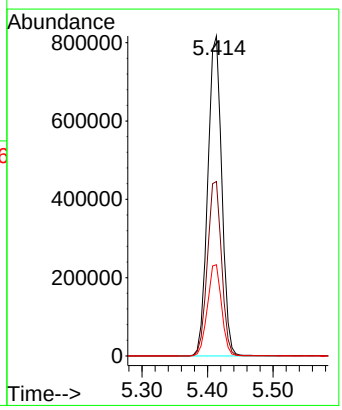


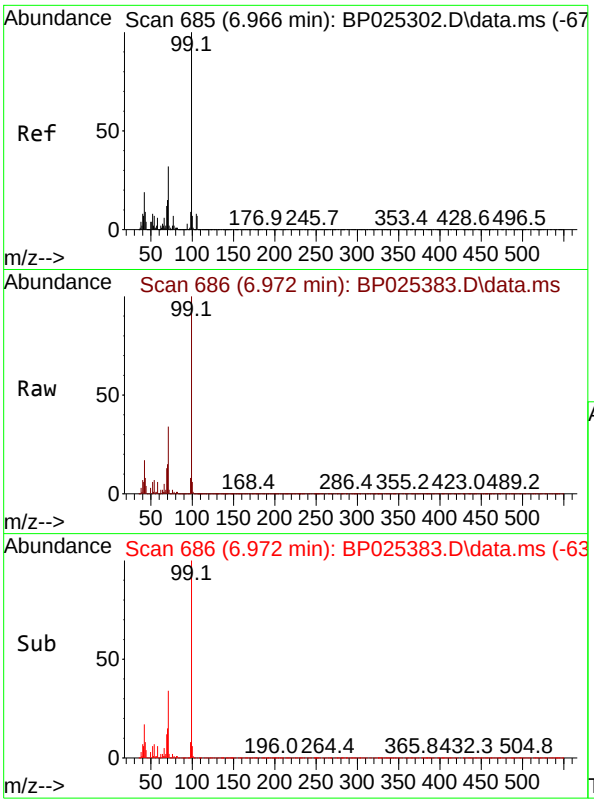


#5
2-Fluorophenol
Concen: 120.839 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:112 Resp: 1211653

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.3	67.9
63	28.5	23.0	34.6



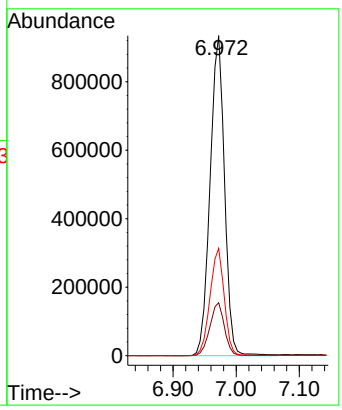


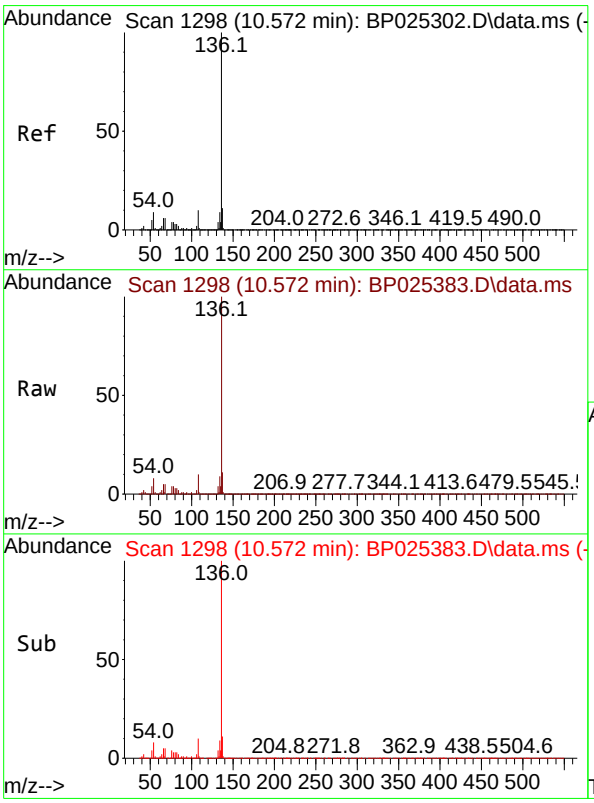
#7
Phenol-d6
Concen: 112.551 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion: 99 Resp: 1485249

Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.0	22.6
71	33.6	25.5	38.3

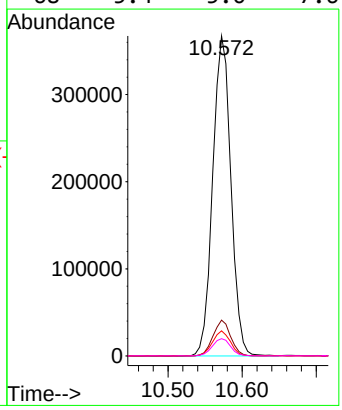


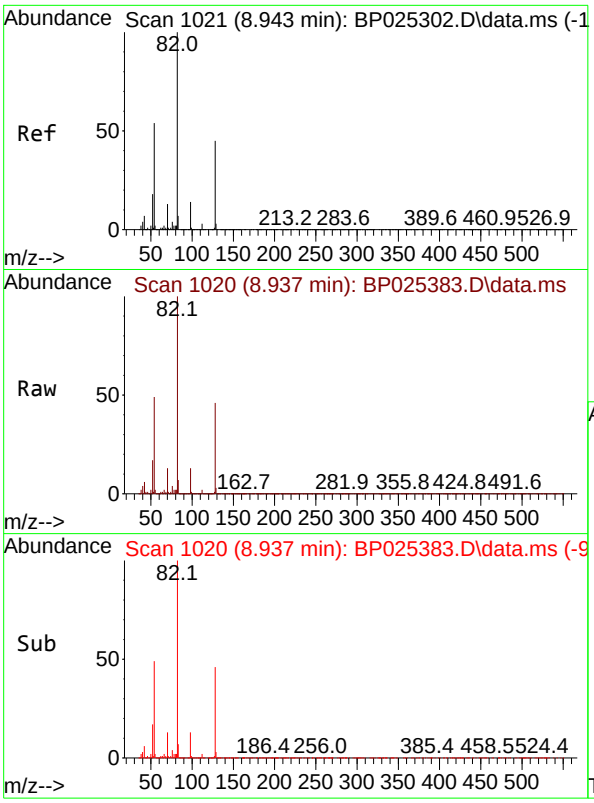


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:136 Resp: 625957

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.9	7.0	10.6
68	5.4	5.0	7.6



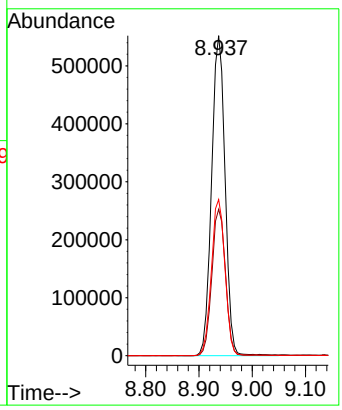


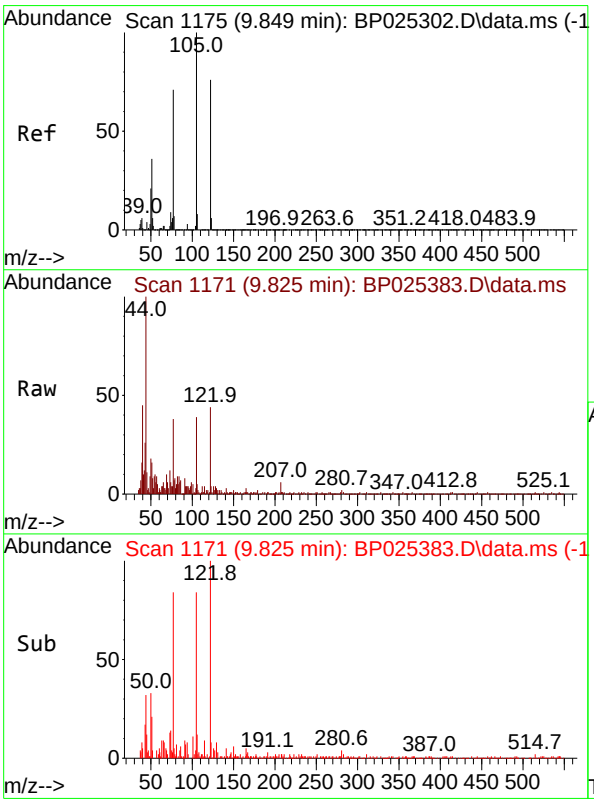
#23
Nitrobenzene-d5
Concen: 85.828 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion: 82 Resp: 969737

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.4	53.2
54	48.8	42.9	64.3

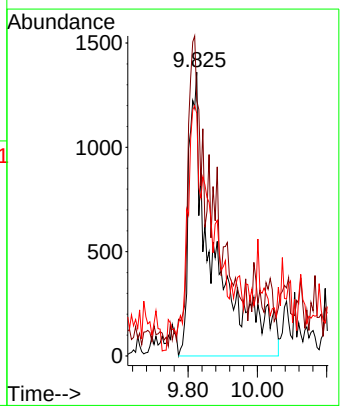


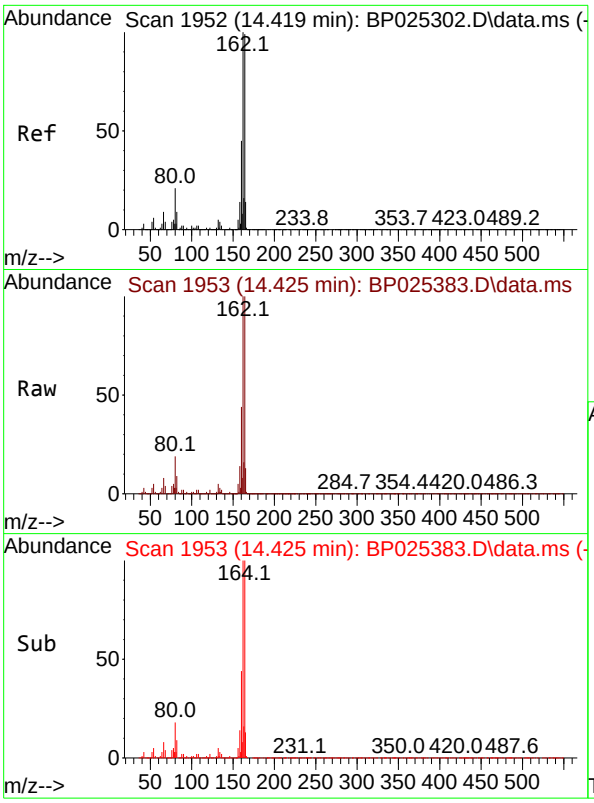


#32
Benzoic acid
Concen: 7.254 ng m
RT: 9.825 min Scan# 1171
Delta R.T. -0.024 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:122 Resp: 6736

Ion	Ratio	Lower	Upper
122	100		
105	89.9	104.0	144.0#
77	85.5	71.8	111.8



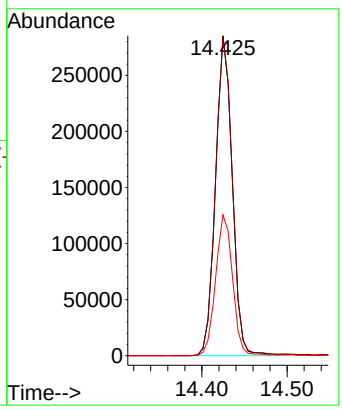


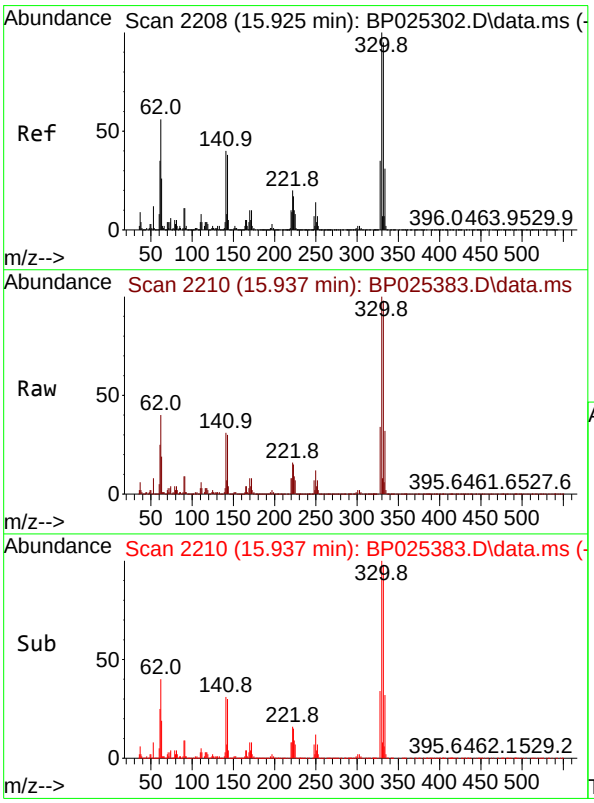
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion:164 Resp: 388971

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.0	35.9	53.9

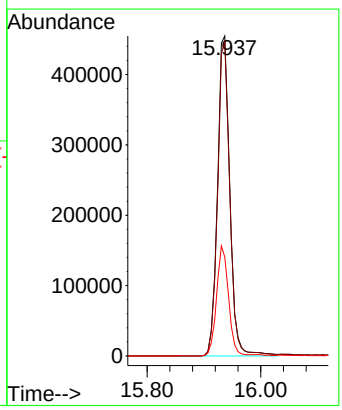


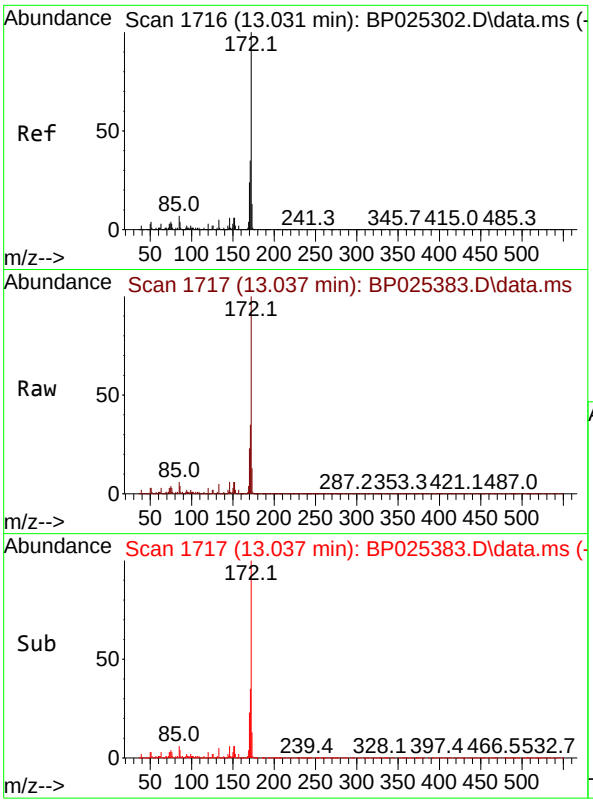


#42
2,4,6-Tribromophenol
Concen: 177.129 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:330 Resp: 687336

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	33.3	31.7	47.5



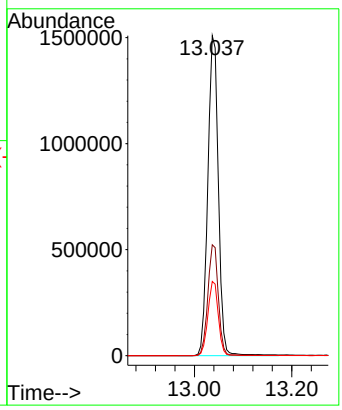


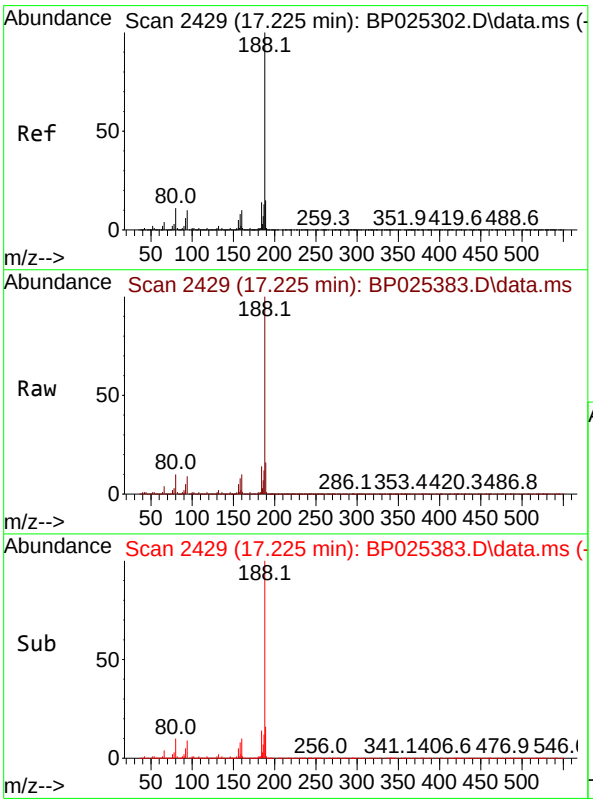
#45
2-Fluorobiphenyl
Concen: 80.001 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion:172 Resp: 2252960

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.2	18.9	28.3

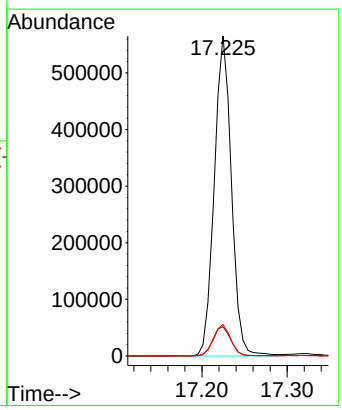


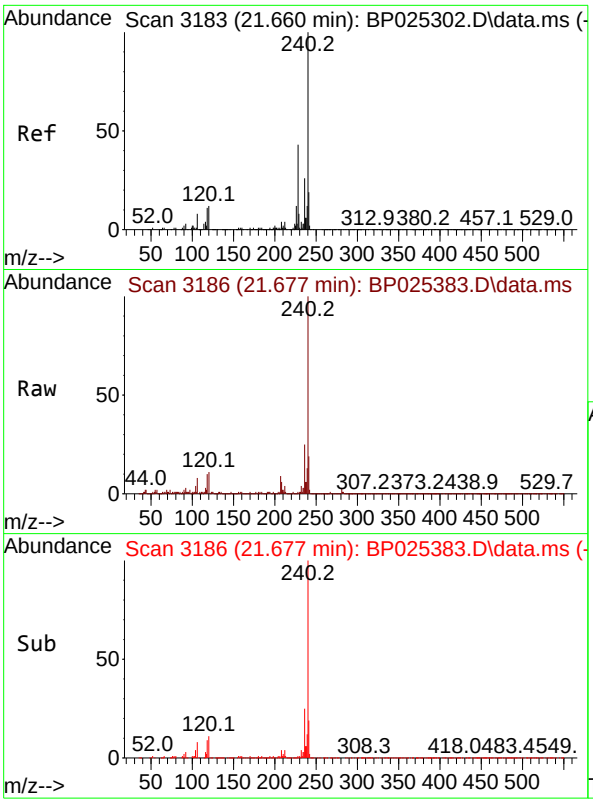


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:188 Resp: 792350

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.8	8.5	12.7



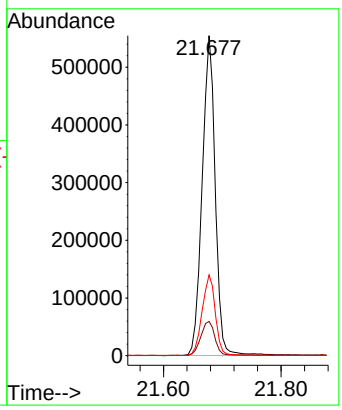


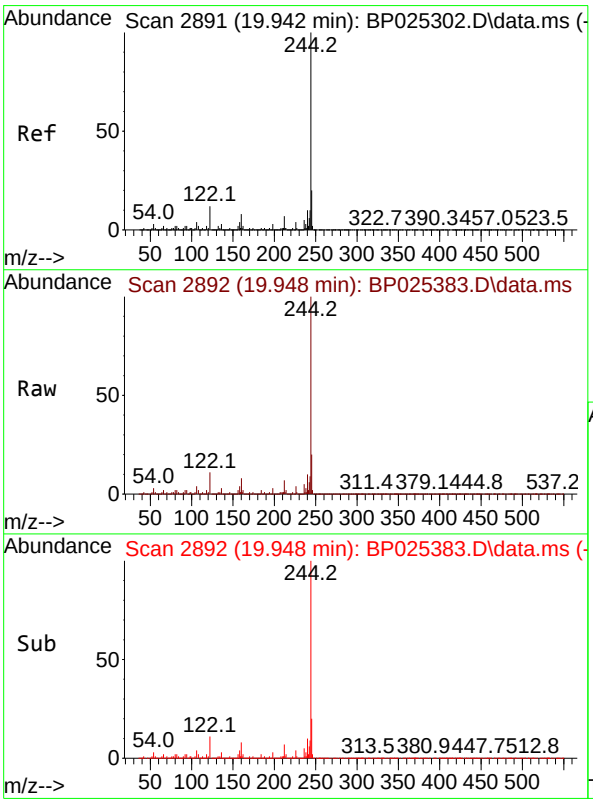
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion:240 Resp: 857200

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.6	14.4
236	25.3	20.4	30.6

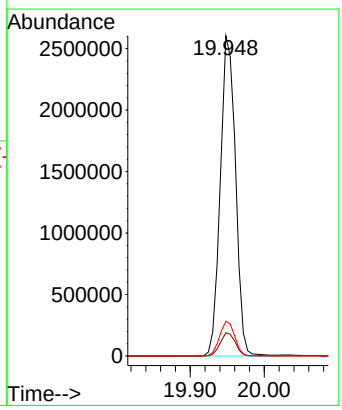


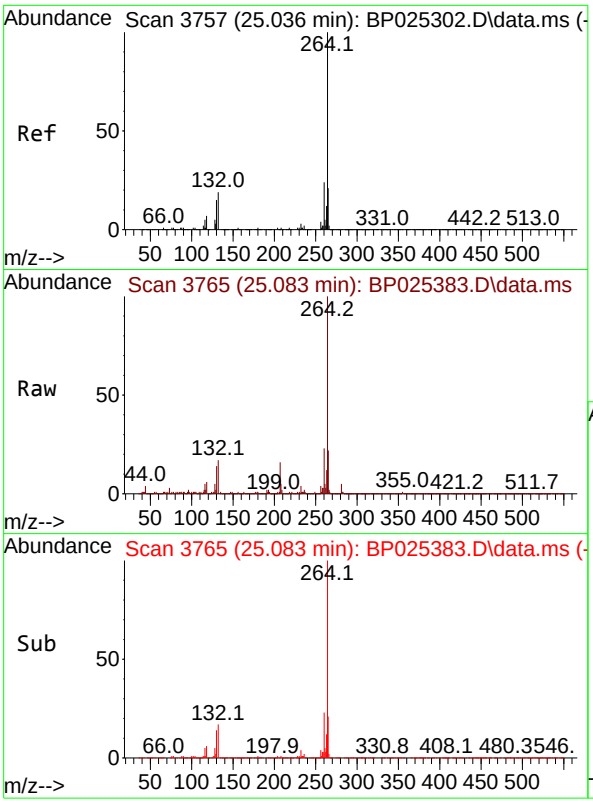


#79
Terphenyl-d14
Concen: 81.999 ng
RT: 19.948 min Scan# 2892
Delta R.T. 0.006 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Tgt Ion:244 Resp: 3721403

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.8	9.5	14.3



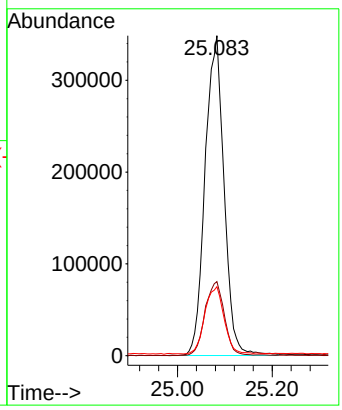


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.083 min Scan# 3
Delta R.T. 0.047 min
Lab File: BP025383.D
Acq: 13 Aug 2025 14:04

Instrument :
BNA_P
ClientSampleId :
518R-W

Tgt Ion:264 Resp: 969724

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.5	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025383.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	154499	205842	2.02%	0.417%
2	3.043	13	18	27	rVB	1118619	1309557	12.84%	2.655%
3	4.949	336	342	349	rBV	272432	376632	3.69%	0.764%
4	5.414	412	421	432	rBV	2714682	4065781	39.85%	8.244%
5	6.972	677	686	701	rBV	2541102	4068251	39.88%	8.249%
6	7.802	819	827	835	rBV	578762	920700	9.03%	1.867%
7	8.937	1012	1020	1030	rBV	1600739	2822444	27.67%	5.723%
8	10.572	1289	1298	1312	rBV	725672	1254465	12.30%	2.544%
9	13.037	1709	1717	1729	rBV	4355368	6429850	63.03%	13.038%
10	14.425	1943	1953	1959	rBV	1176341	1619935	15.88%	3.285%
11	15.807	2182	2188	2194	rBV	232504	316953	3.11%	0.643%
12	15.931	2202	2209	2218	rBV	3423258	5107609	50.07%	10.357%
13	16.384	2281	2286	2296	rVB	107964	163499	1.60%	0.332%
14	17.225	2423	2429	2436	rBV	1379012	1966378	19.28%	3.987%
15	18.172	2585	2590	2598	rBV	590974	912578	8.95%	1.850%
16	19.060	2734	2741	2750	rBV2	289312	459253	4.50%	0.931%
17	19.495	2811	2815	2823	rBV2	137038	204598	2.01%	0.415%
18	19.948	2886	2892	2904	rBV	7096457	10201524	100.00%	20.686%
19	20.260	2941	2945	2950	rBV	364919	480234	4.71%	0.974%
20	20.636	3006	3009	3014	rVB	147878	182899	1.79%	0.371%
21	21.348	3125	3130	3140	rBV	856535	1322343	12.96%	2.681%
22	21.677	3177	3186	3192	rVB	1468873	2453311	24.05%	4.975%
23	25.083	3756	3765	3775	rVB	906573	2472114	24.23%	5.013%

Sum of corrected areas: 49316750

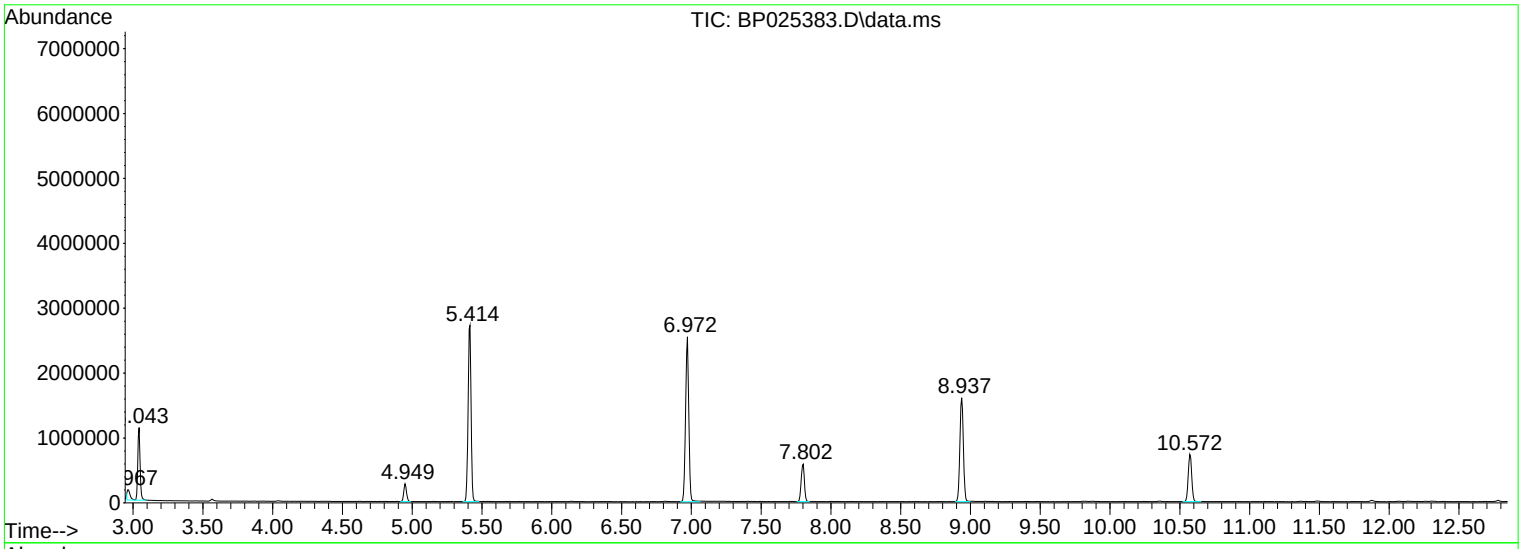
Sample Results: **BP025383.D**

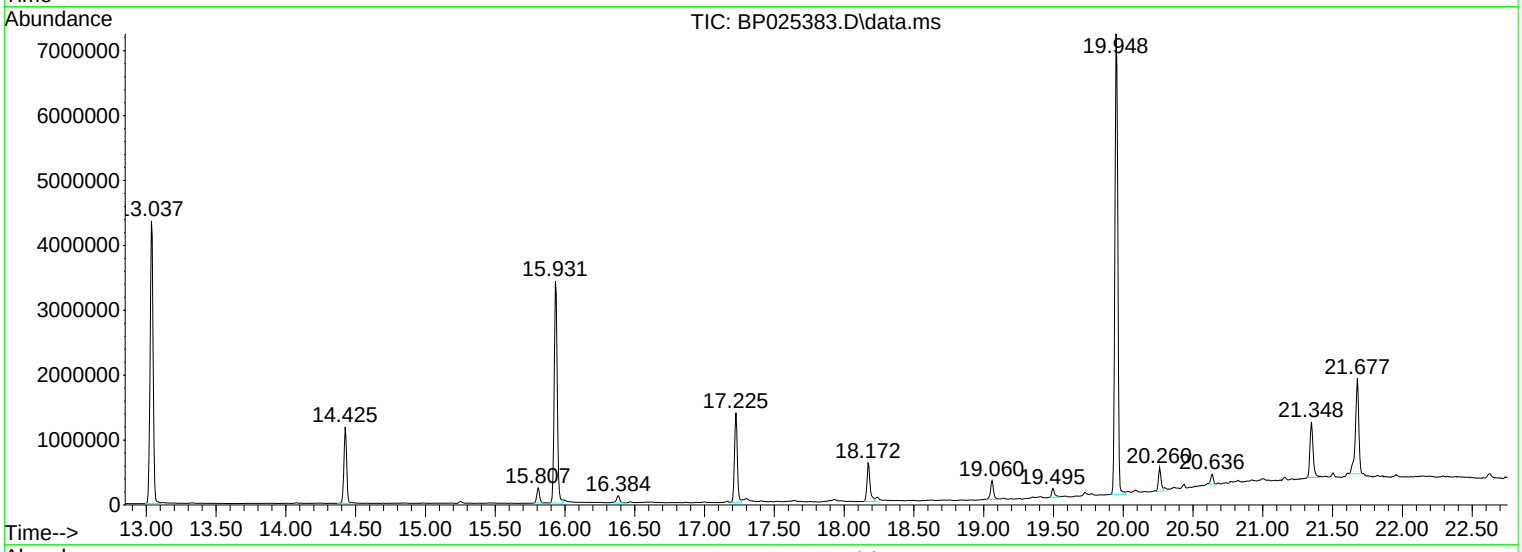
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

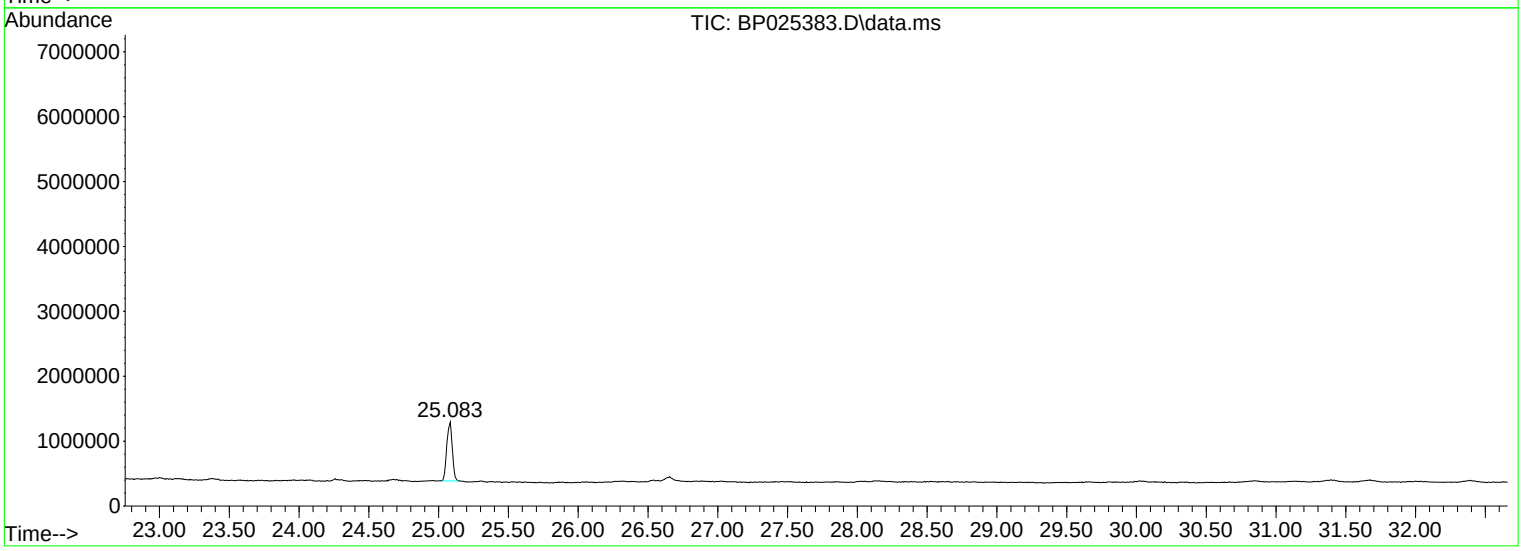
Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Title :

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

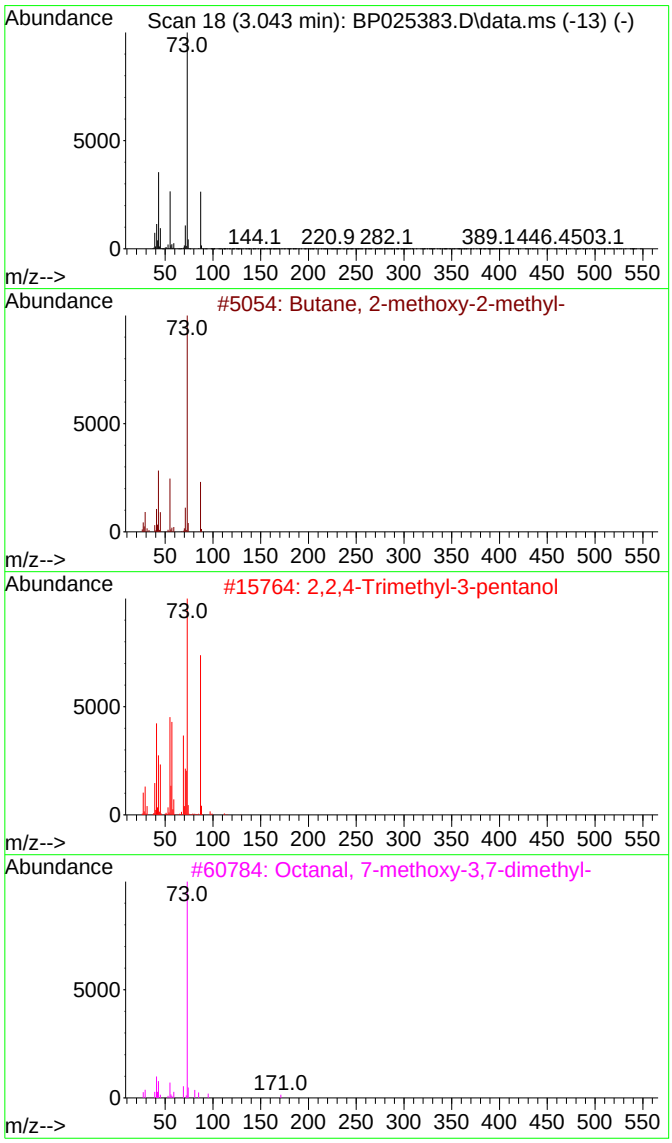
Quant Title :

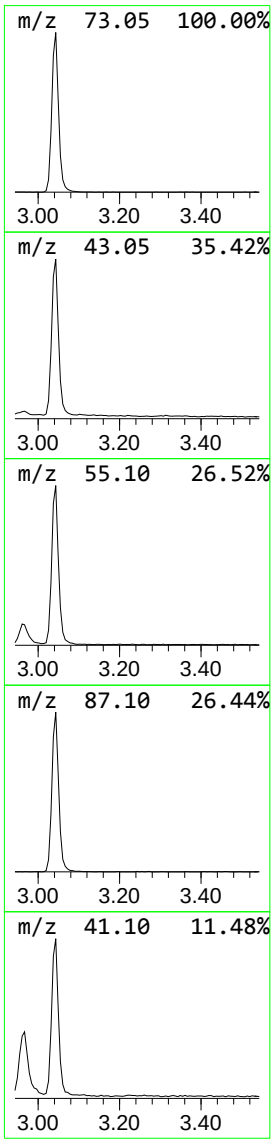
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	28.45 ng	1309560	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

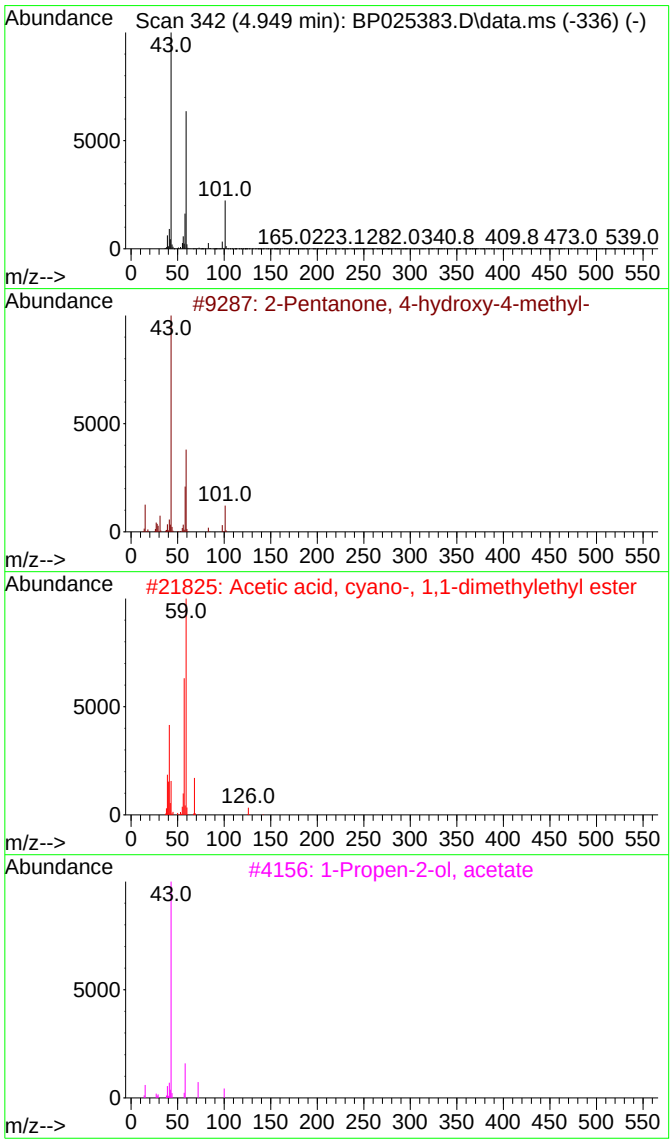
Quant Title :

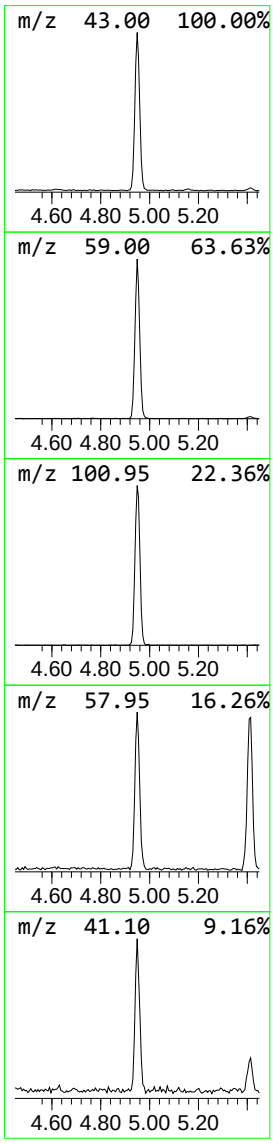
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	8.18 ng	376632	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Title :

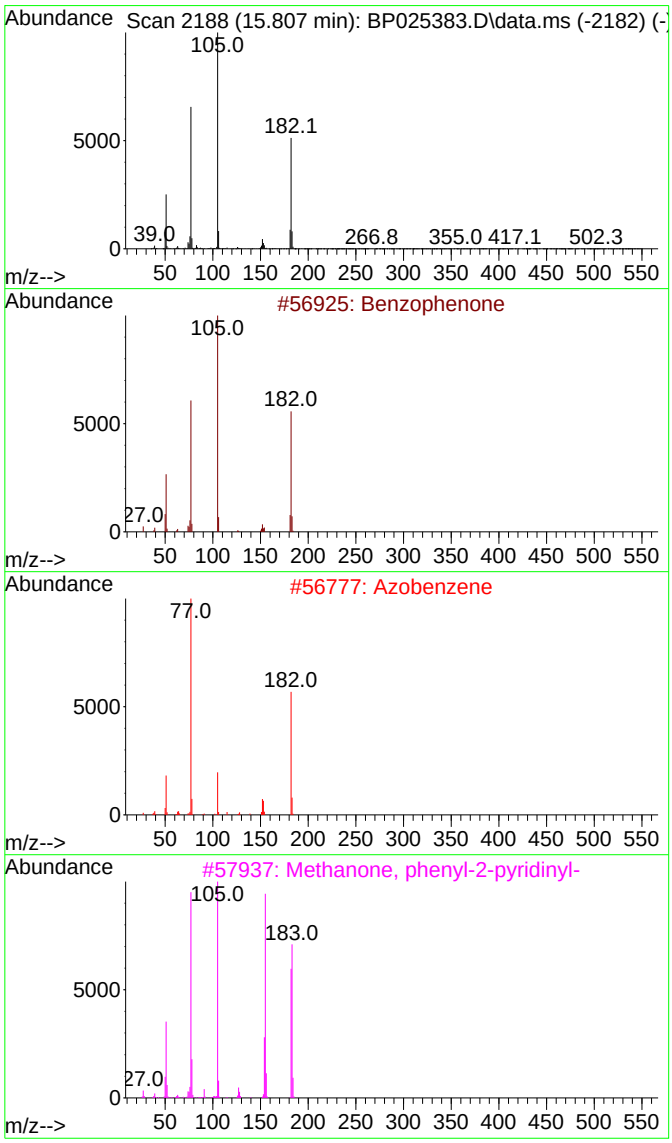
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

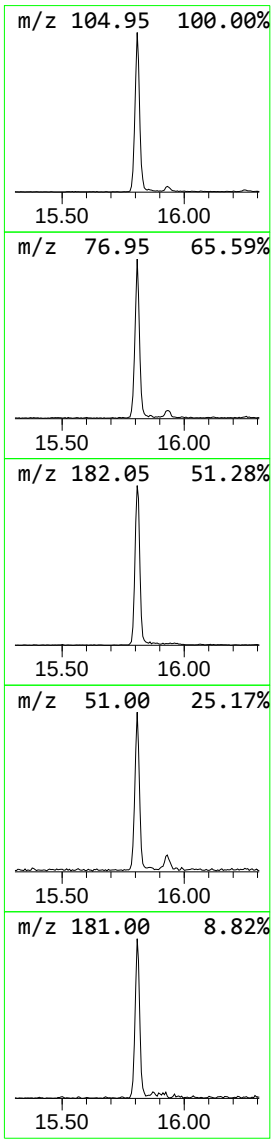
****

Peak Number 4 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.807	3.91 ng	316953	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	56
5	Azobenzene, (E)-	182	C12H10N2	017082-12-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

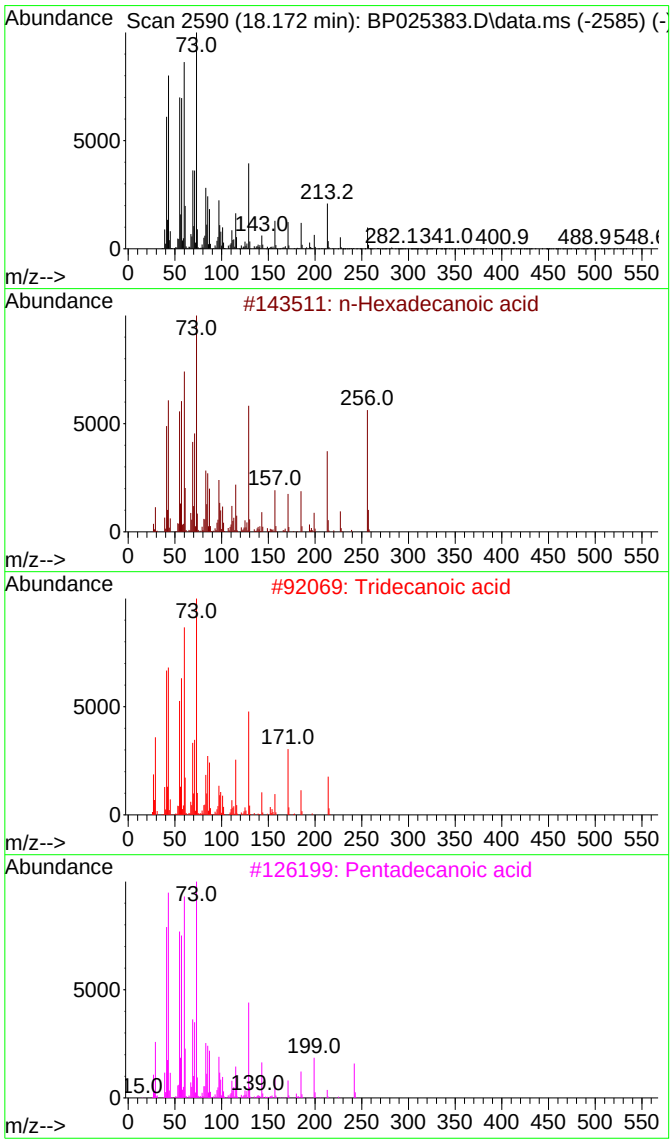
Quant Title :

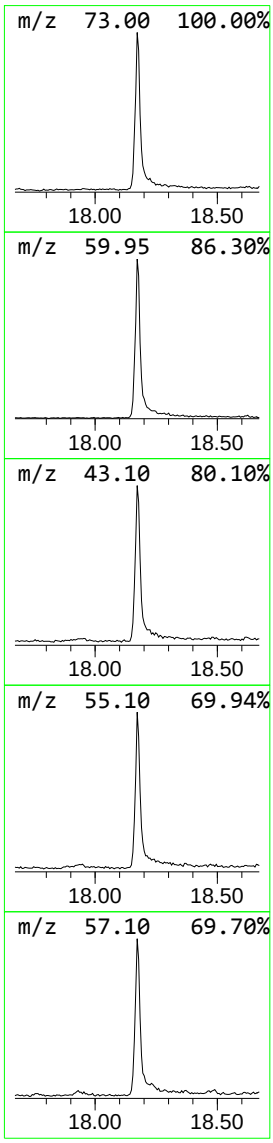
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	9.28 ng	912578	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

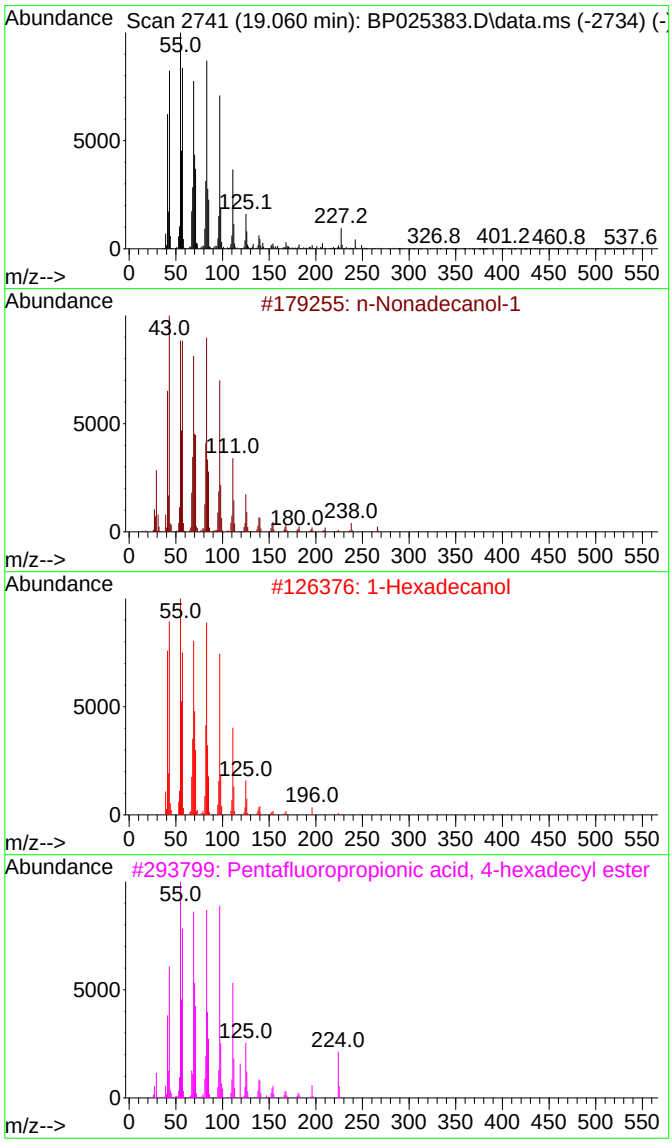
Quant Title :

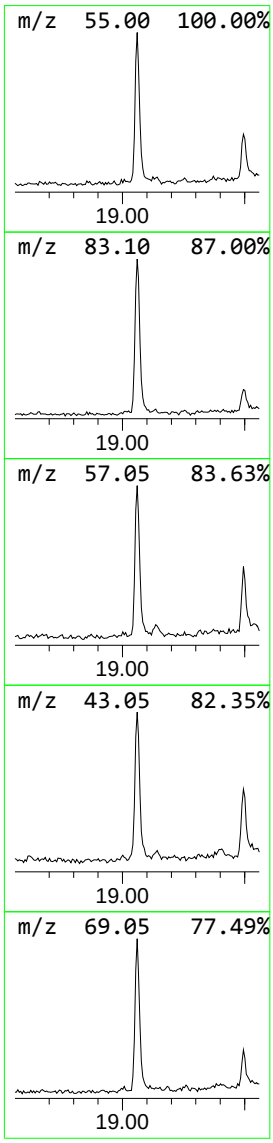
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 n-Nonadecanol-1 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.060	4.67 ng	459253	Phenanthrene-d10	17.225

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	1-Hexadecanol	242	C16H34O	036653-82-4	94
3	Pentafluoropropionic acid, 4-hex...	388	C19H33F5O2	1000283-04-1	94
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

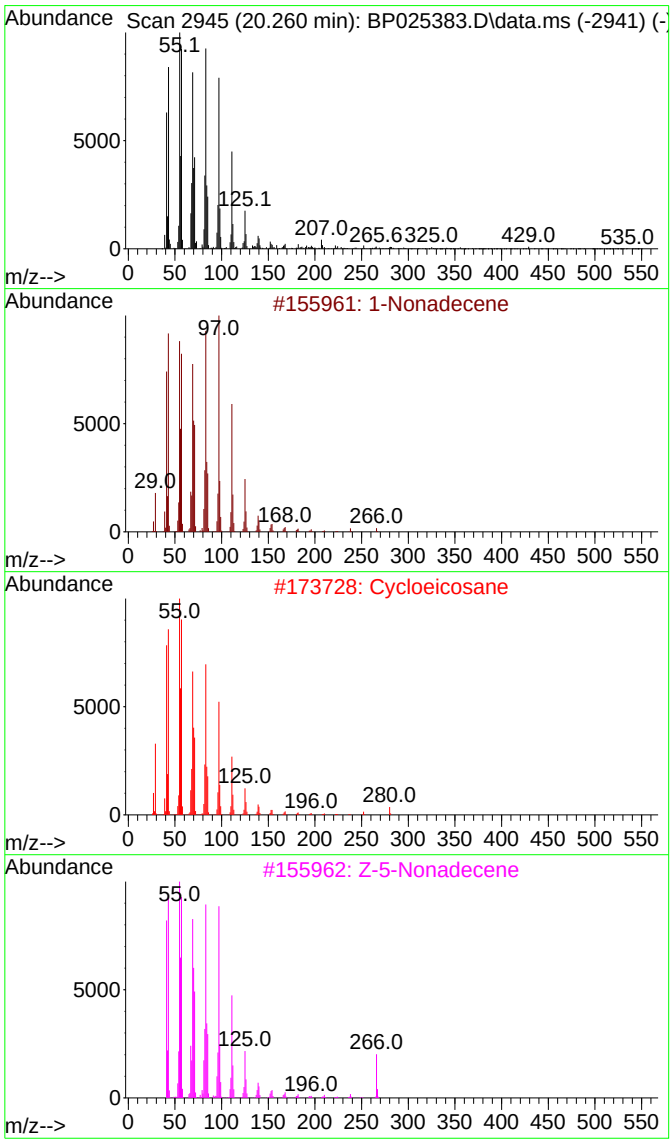
Quant Title :

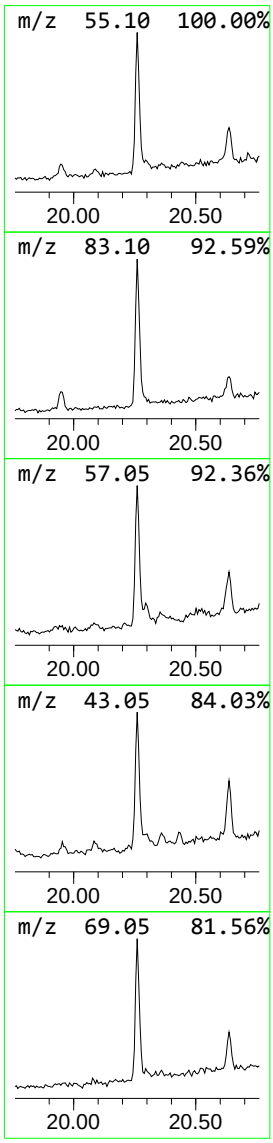
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.260	3.91 ng	480234	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	98
2	Cycloeicosane	280	C20H40	000296-56-0	97
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	97
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	97
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Title :

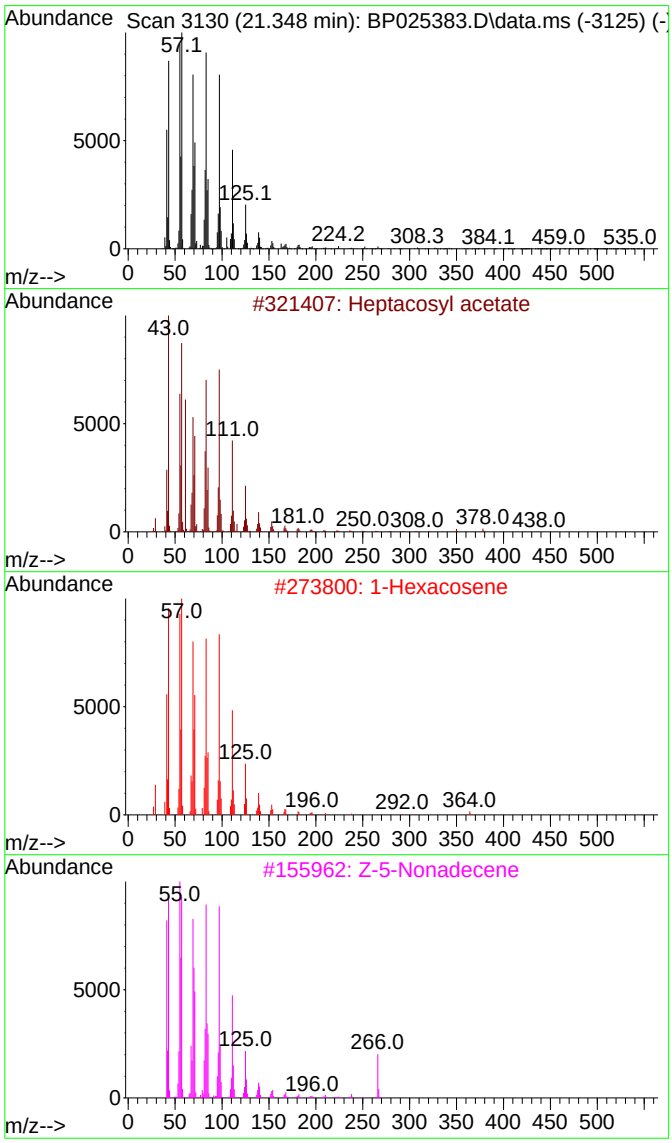
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

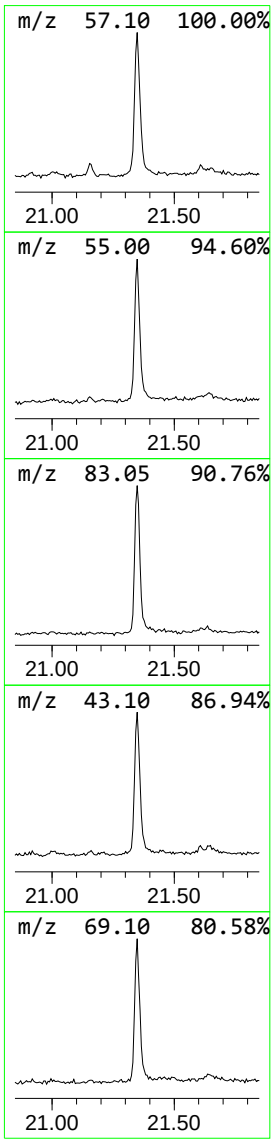
****

Peak Number 8 Heptacosyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.348	10.78 ng	1322340	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosyl acetate	438	C29H58O2	1000351-78-2	95
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	95
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	Pentacos-1-ene	350	C25H50	016980-85-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025383.D
Acq On : 13 Aug 2025 14:04
Operator : CG/JU
Sample : Q2820-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-W

Quant Title :

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	28.4	ng	1309560	1	7.802	920700	20.0
2-Pentanone, 4-...	4.949	8.2	ng	376632	1	7.802	920700	20.0
Benzophenone	15.807	3.9	ng	316953	3	14.425	1619940	20.0
n-Hexadecanoic ...	18.172	9.3	ng	912578	4	17.225	1966380	20.0
n-Nonadecanol-1	19.060	4.7	ng	459253	4	17.225	1966380	20.0
1-Nonadecene	20.260	3.9	ng	480234	5	21.677	2453310	20.0
Heptacosyl acetate	21.348	10.8	ng	1322340	5	21.677	2453310	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	480	U	280	480	590	ug/Kg
108-95-2	Phenol	230	U	39.6	230	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	43.5	230	300	ug/Kg
95-57-8	2-Chlorophenol	230	U	43.7	230	300	ug/Kg
95-48-7	2-Methylphenol	230	U	53.5	230	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	67.2	230	300	ug/Kg
98-86-2	Acetophenone	230	U	52.8	230	300	ug/Kg
65794-96-9	3+4-Methylphenols	480	U	73.6	480	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	84.9	140	140	ug/Kg
67-72-1	Hexachloroethane	230	U	31.5	230	300	ug/Kg
98-95-3	Nitrobenzene	230	U	32.8	230	300	ug/Kg
78-59-1	Isophorone	230	U	58.7	230	300	ug/Kg
88-75-5	2-Nitrophenol	230	U	100	230	300	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	120	230	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	230	U	55.2	230	300	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	50.7	230	300	ug/Kg
91-20-3	Naphthalene	230	U	40.7	230	300	ug/Kg
106-47-8	4-Chloroaniline	230	U	63.4	230	300	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	45.3	230	300	ug/Kg
105-60-2	Caprolactam	480	U	93.3	480	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	51.4	230	300	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	45.8	230	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	210	480	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	35.5	230	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	52.1	230	300	ug/Kg
92-52-4	1,1-Biphenyl	230	U	39.0	230	300	ug/Kg
91-58-7	2-Chloronaphthalene	230	U	40.3	230	300	ug/Kg
88-74-4	2-Nitroaniline	230	U	86.1	230	300	ug/Kg
131-11-3	Dimethylphthalate	230	U	48.5	230	300	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	230	U	51.8	230	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	60.2	230	300	ug/Kg
99-09-2	3-Nitroaniline	230	U	82.4	230	300	ug/Kg
83-32-9	Acenaphthene	230	U	38.1	230	300	ug/Kg
51-28-5	2,4-Dinitrophenol	480	U	410	480	590	ug/Kg
100-02-7	4-Nitrophenol	480	U	190	480	590	ug/Kg
132-64-9	Dibenzofuran	230	U	40.7	230	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	89.7	230	300	ug/Kg
84-66-2	Diethylphthalate	230	U	50.7	230	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	47.8	230	300	ug/Kg
86-73-7	Fluorene	230	U	45.3	230	300	ug/Kg
100-01-6	4-Nitroaniline	230	U	110	230	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	180	480	590	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	58.9	230	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	49.8	230	300	ug/Kg
118-74-1	Hexachlorobenzene	230	U	45.3	230	300	ug/Kg
1912-24-9	Atrazine	230	U	60.9	230	300	ug/Kg
87-86-5	Pentachlorophenol	480	U	91.9	480	590	ug/Kg
85-01-8	Phenanthrene	230	U	37.4	230	300	ug/Kg
120-12-7	Anthracene	230	U	59.6	230	300	ug/Kg
86-74-8	Carbazole	230	U	55.9	230	300	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	85.8	230	300	ug/Kg
206-44-0	Fluoranthene	230	U	53.7	230	300	ug/Kg
129-00-0	Pyrene	230	U	64.5	230	300	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	130	230	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480	U	65.7	480	590	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	41.2	230	300	ug/Kg
218-01-9	Chrysene	230	U	35.6	230	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	110	230	300	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	160	480	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	34.0	230	300	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	230	U	40.1	230	300	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	52.8	230	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	52.1	230	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	49.1	230	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	46.0	230	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	45.8	230	300	ug/Kg
123-91-1	1,4-Dioxane	230	U	80.9	230	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	49.1	230	300	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.6		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	70.1		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.7		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.8		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		39 - 132		71%	SPK: 150
1718-51-0	Terphenyl-d14	46.8	*	54 - 127		47%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141000	7.796				
1146-65-2	Naphthalene-d8	543000	10.572				
15067-26-2	Acenaphthene-d10	336000	14.425				
1517-22-2	Phenanthrene-d10	669000	17.219				
1719-03-5	Chrysene-d12	758000	21.672				
1520-96-3	Perylene-d12	855000	25.071				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB			4.95	ug/Kg
000119-61-9	Benzophenone	220	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J			18.2	ug/Kg
018835-33-1	1-Hexacosene	360	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Time: Aug 13 15:24:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

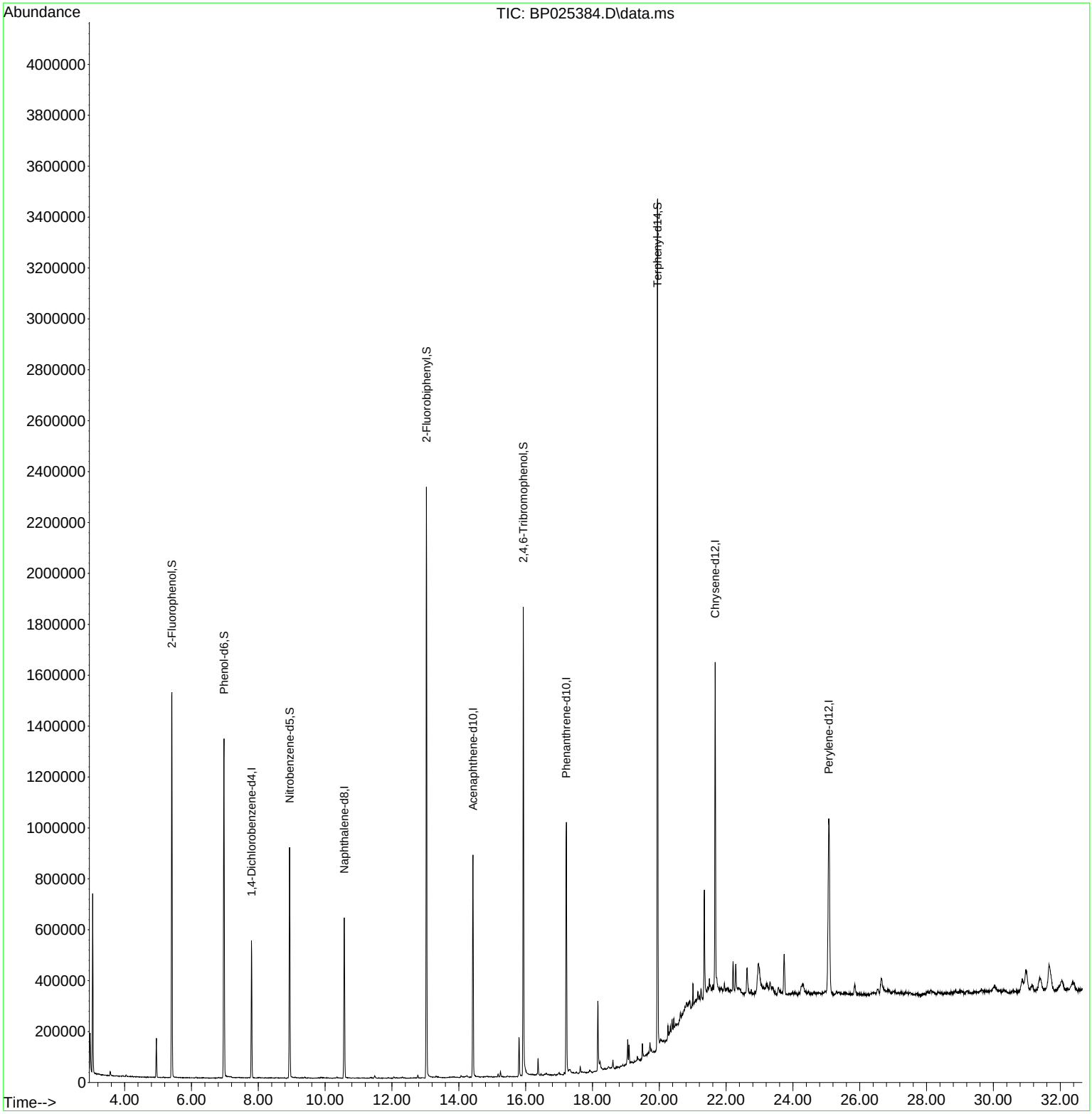
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	141445	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	543246	20.000	ng	0.00
39) Acenaphthene-d10	14.425	164	336079	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	669191	20.000	ng	0.00
76) Chrysene-d12	21.672	240	757887	20.000	ng	0.01
86) Perylene-d12	25.071	264	855341	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	682418	77.597	ng	0.00
7) Phenol-d6	6.972	99	811402	70.106	ng	0.00
23) Nitrobenzene-d5	8.937	82	516403	52.664	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	357620	106.664	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1162081	47.759	ng	0.00
79) Terphenyl-d14	19.948	244	1879163	46.832	ng	0.00
Target Compounds						Qvalue

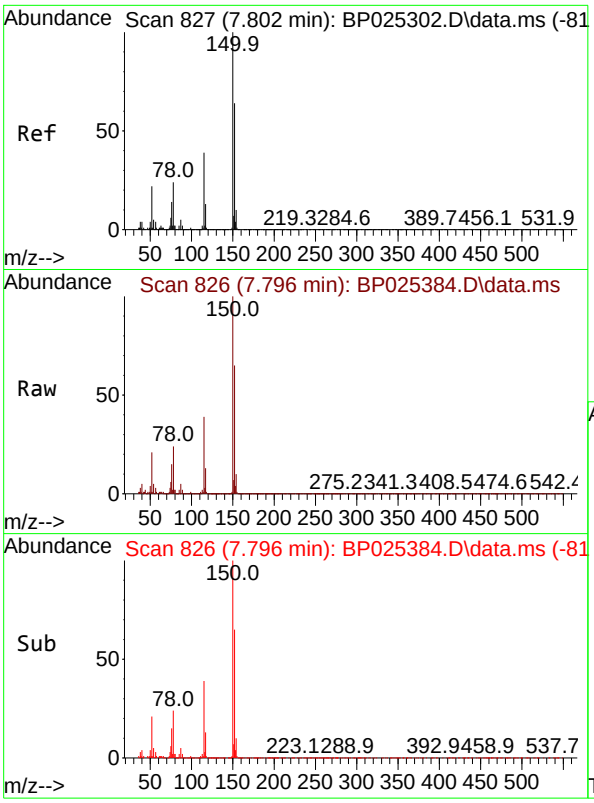
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Time: Aug 13 15:24:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



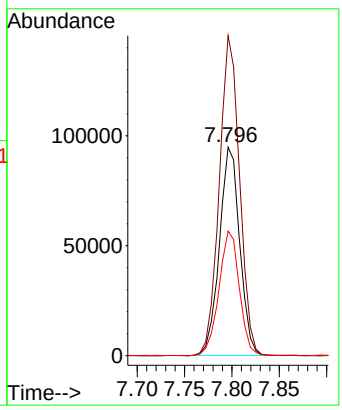


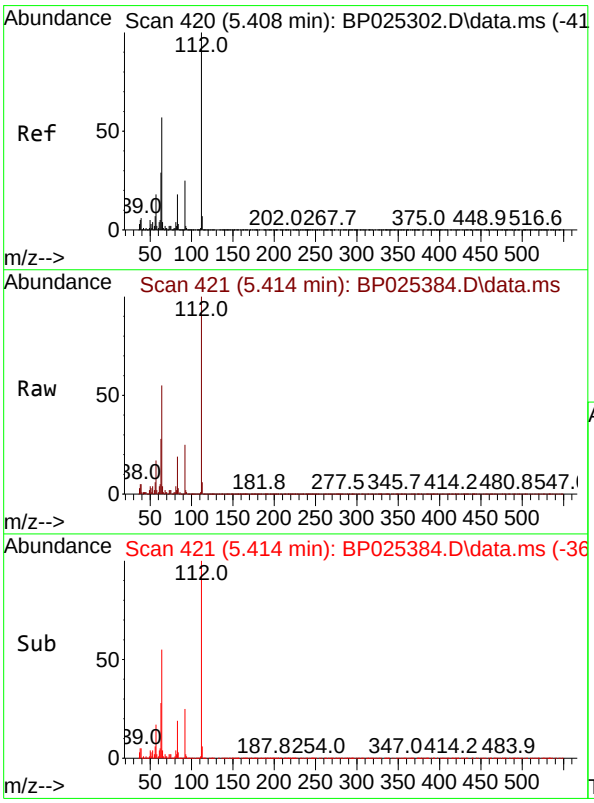
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion:152 Resp: 141445

Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.1	187.7
115	59.8	48.4	72.6

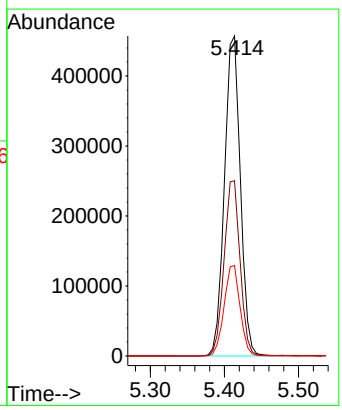


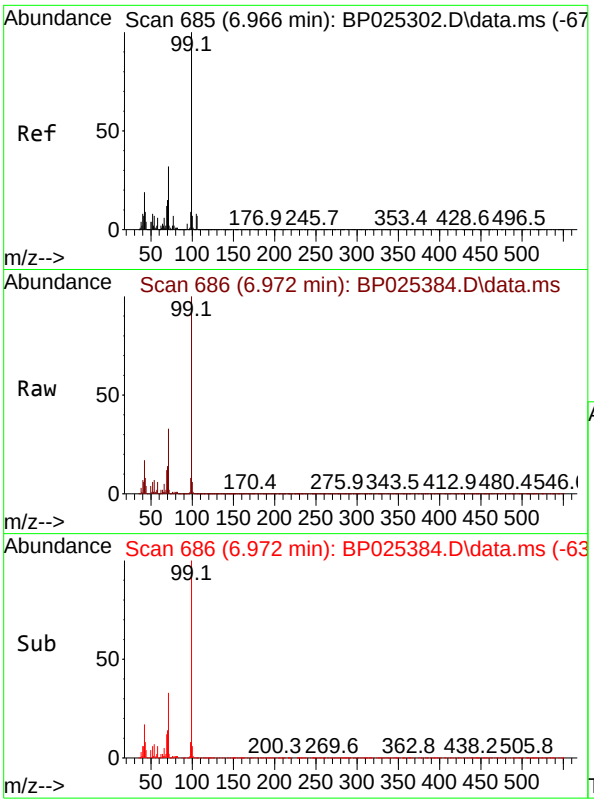


#5
2-Fluorophenol
Concen: 77.597 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:112 Resp: 682418

Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.3	67.9
63	28.3	23.0	34.6



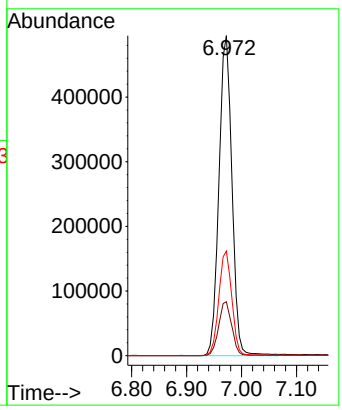


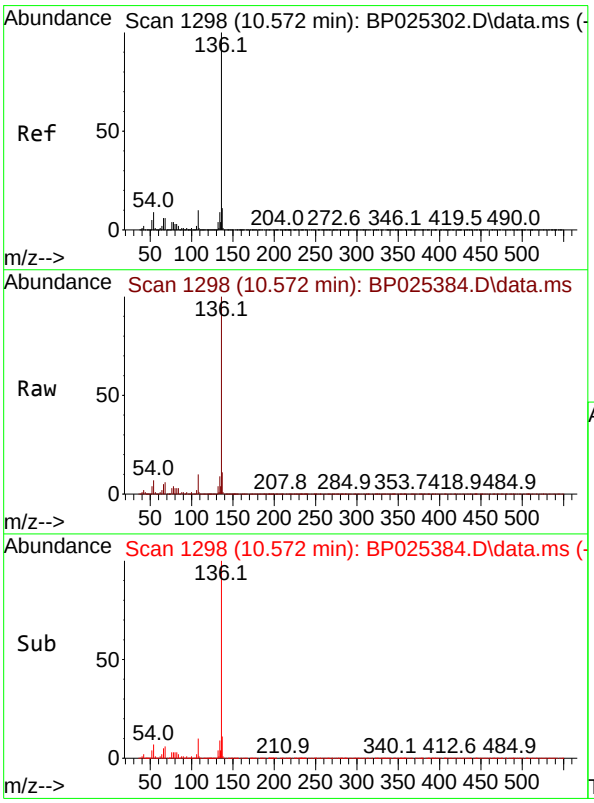
#7
Phenol-d6
Concen: 70.106 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion: 99 Resp: 811402

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.0	22.6
71	32.7	25.5	38.3

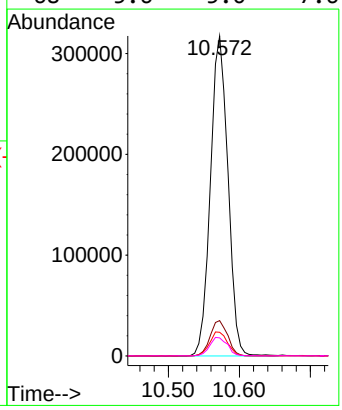


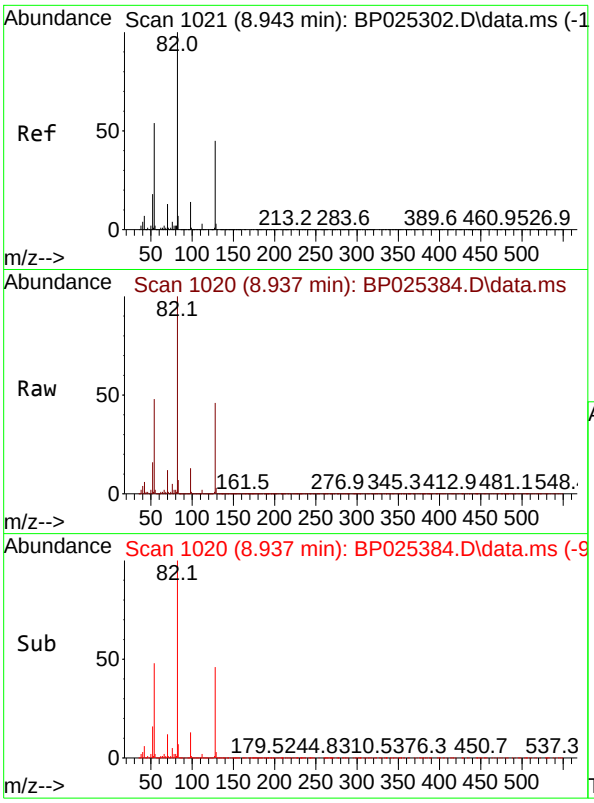


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:136 Resp: 543246

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	7.0	10.6
68	5.6	5.0	7.6



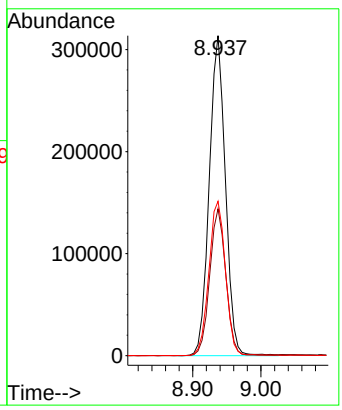


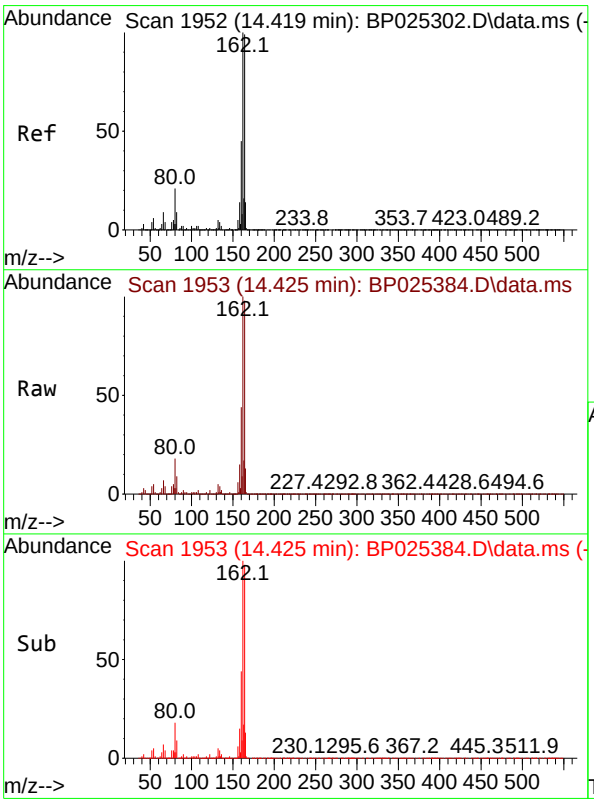
#23
Nitrobenzene-d5
Concen: 52.664 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion: 82 Resp: 516403

Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.4	53.2
54	48.2	42.9	64.3

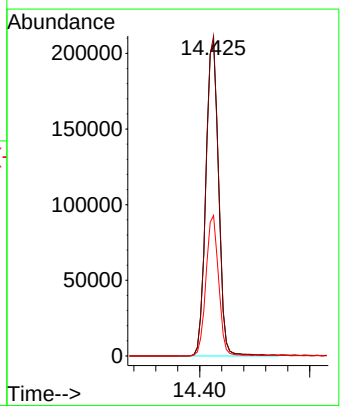


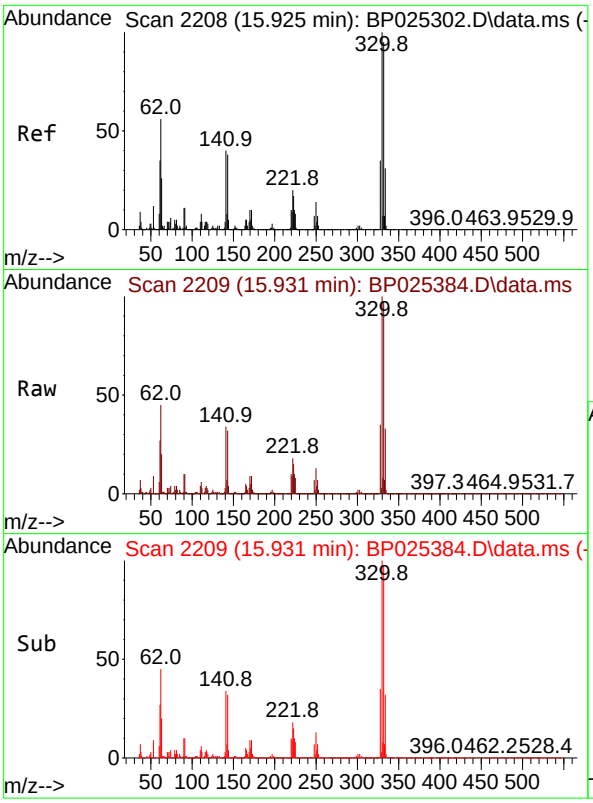


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:164 Resp: 336079

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	44.8	35.9	53.9



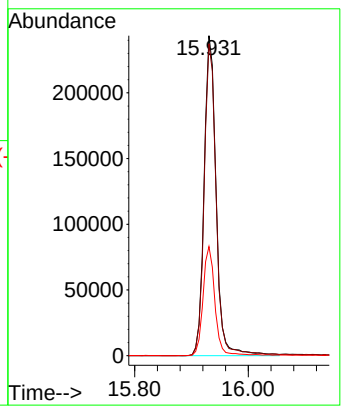


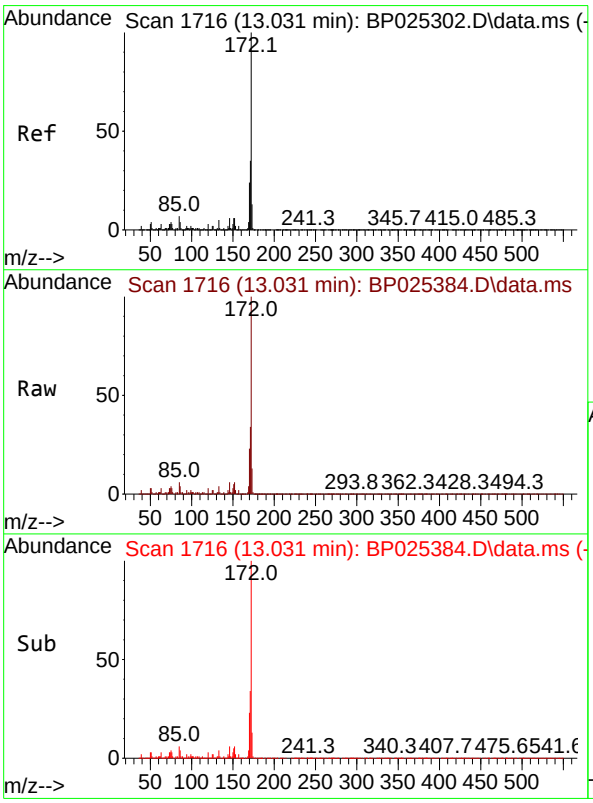
#42
2,4,6-Tribromophenol
Concen: 106.664 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion:330 Resp: 357620

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	33.8	31.7	47.5

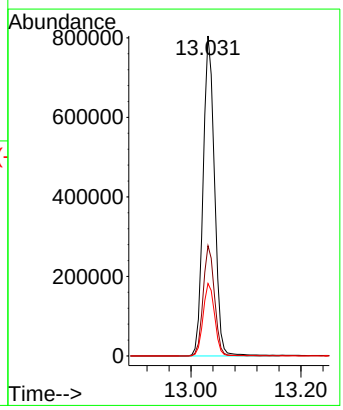


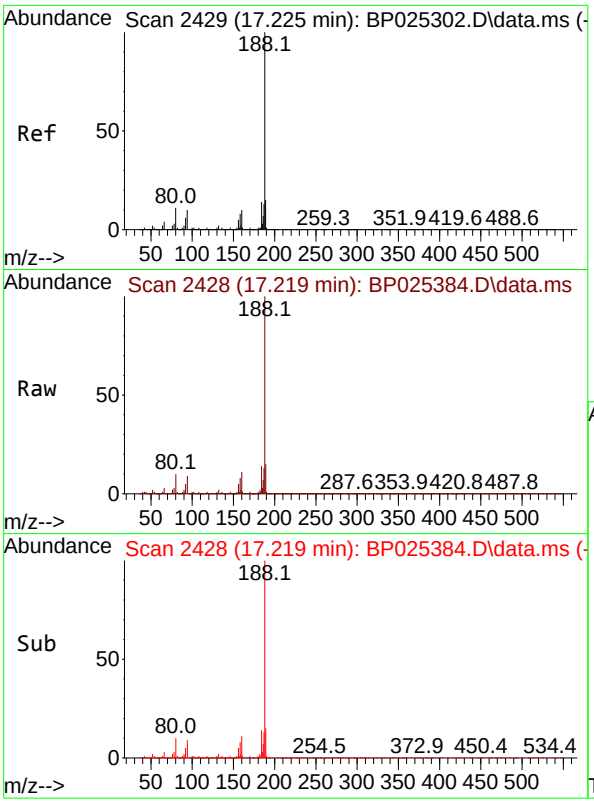


#45
2-Fluorobiphenyl
Concen: 47.759 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:172 Resp: 1162081

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.9	41.9
170	22.6	18.9	28.3



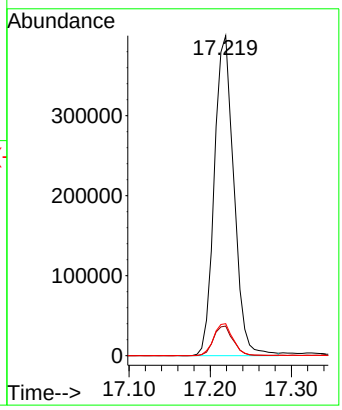


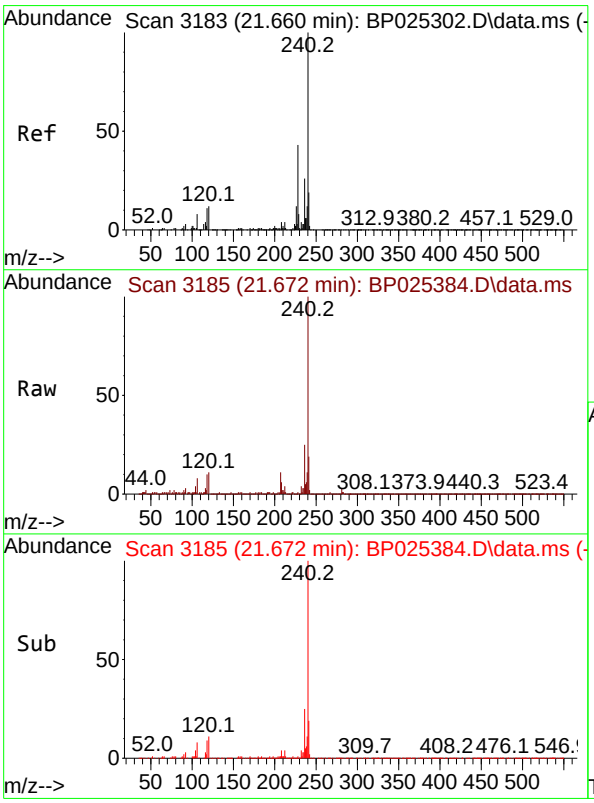
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion:188 Resp: 669191

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	10.0	8.5	12.7

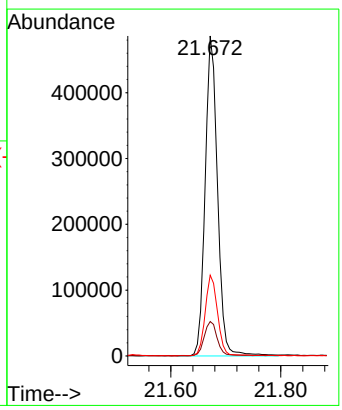


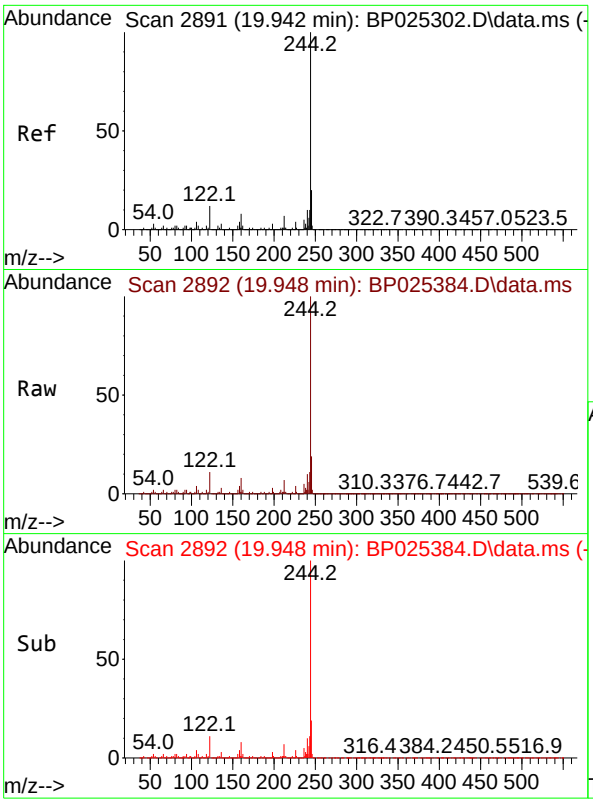


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:240 Resp: 757887

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.6	14.4
236	25.2	20.4	30.6



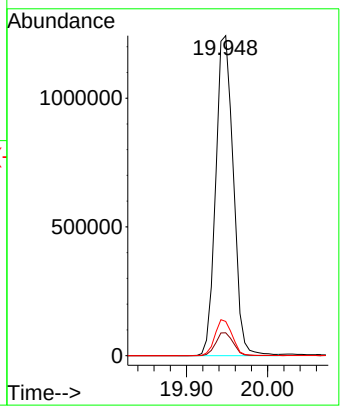


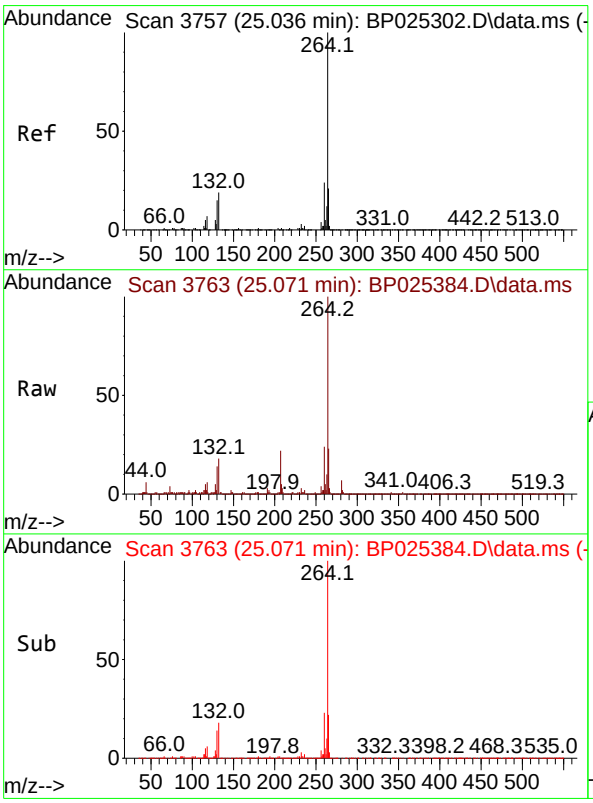
#79
Terphenyl-d14
Concen: 46.832 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Instrument :
BNA_P
ClientSampleId :
705R-S

Tgt Ion:244 Resp: 1879163

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.7	9.5	14.3

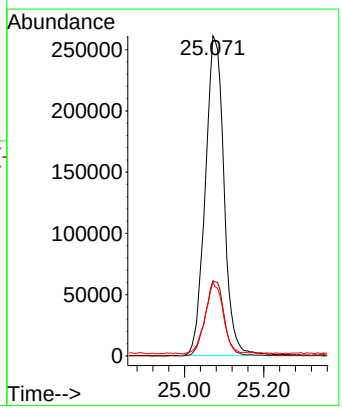




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025384.D
Acq: 13 Aug 2025 14:46

Tgt Ion:264 Resp: 855341

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.0	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025384.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	152407	206799	4.05%	0.697%
2	3.043	13	18	28	rVB	707175	924062	18.10%	3.115%
3	4.949	336	342	350	rVB	154211	207277	4.06%	0.699%
4	5.414	413	421	431	rBV	1513888	2287350	44.79%	7.711%
5	6.972	678	686	694	rBV	1332863	2200923	43.10%	7.419%
6	7.796	819	826	835	rBV	539085	802784	15.72%	2.706%
7	8.937	1012	1020	1029	rBV	906238	1507788	29.53%	5.083%
8	10.572	1291	1298	1306	rBV	630602	1088515	21.32%	3.669%
9	13.031	1709	1716	1726	rBV	2322765	3316780	64.95%	11.181%
10	14.425	1943	1953	1963	rBV	874723	1414922	27.71%	4.770%
11	15.801	2179	2187	2196	rBV	155728	255194	5.00%	0.860%
12	15.931	2203	2209	2222	rBV	1840876	2691643	52.71%	9.074%
13	16.372	2279	2284	2293	rVB	66777	98048	1.92%	0.331%
14	17.219	2421	2428	2438	rBV	989064	1651290	32.34%	5.567%
15	18.160	2583	2588	2597	rBV	274354	449873	8.81%	1.517%
16	19.054	2733	2740	2744	rBV3	98981	164852	3.23%	0.556%
17	19.095	2744	2747	2751	rVB2	72693	95594	1.87%	0.322%
18	19.495	2811	2815	2822	rBV4	62491	109537	2.15%	0.369%
19	19.719	2850	2853	2858	rBV	37926	56678	1.11%	0.191%
20	19.948	2886	2892	2902	rBV	3334658	5106521	100.00%	17.214%
21	20.260	2942	2945	2949	rBV4	49534	65629	1.29%	0.221%
22	21.007	3070	3072	3076	rVB2	81945	86073	1.69%	0.290%
23	21.348	3126	3130	3139	rVB	396728	576129	11.28%	1.942%
24	21.672	3180	3185	3192	rBV	1254453	1925058	37.70%	6.489%
25	22.207	3273	3276	3283	rVB3	113883	166382	3.26%	0.561%
26	25.071	3755	3763	3777	rVB	683683	2208834	43.26%	7.446%

Sum of corrected areas: 29664535

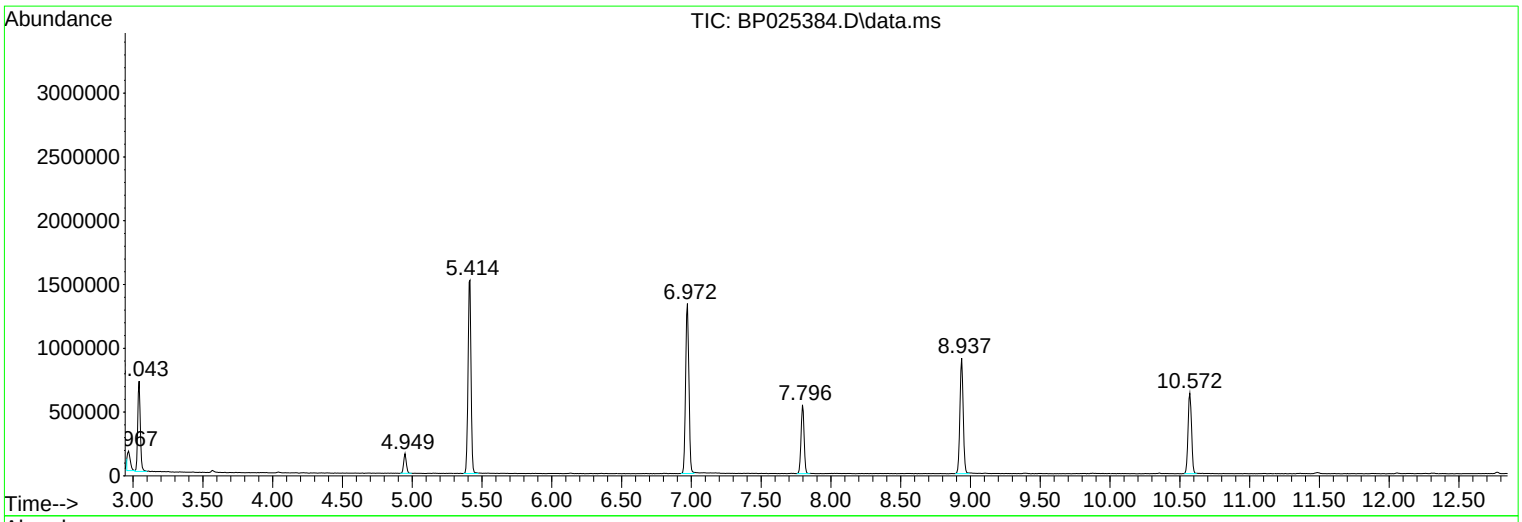
Sample Results: **BP025384.D**

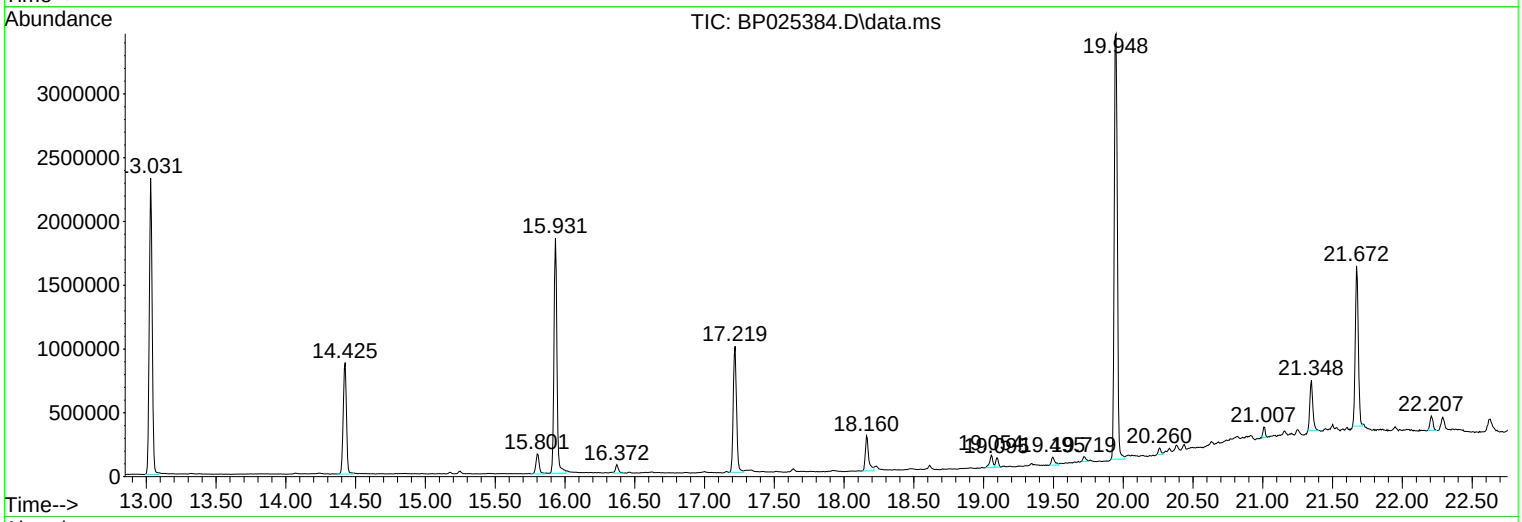
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

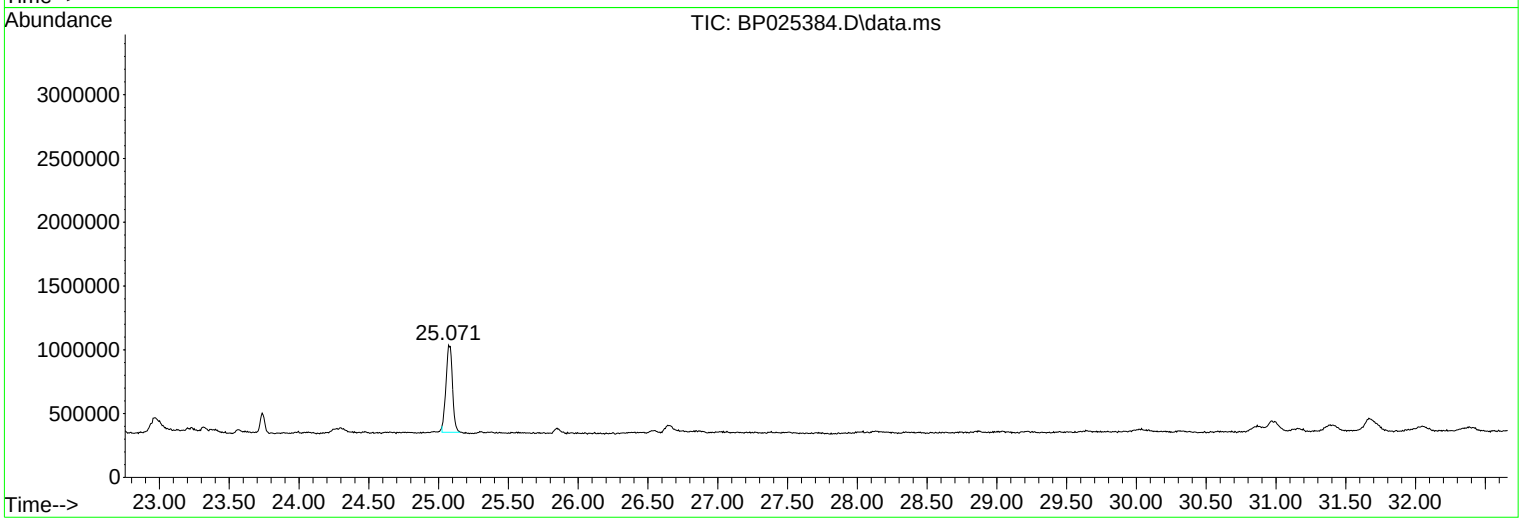
Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On    : 13 Aug 2025  14:46
Operator  : CG/JU
Sample    : Q2820-09
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

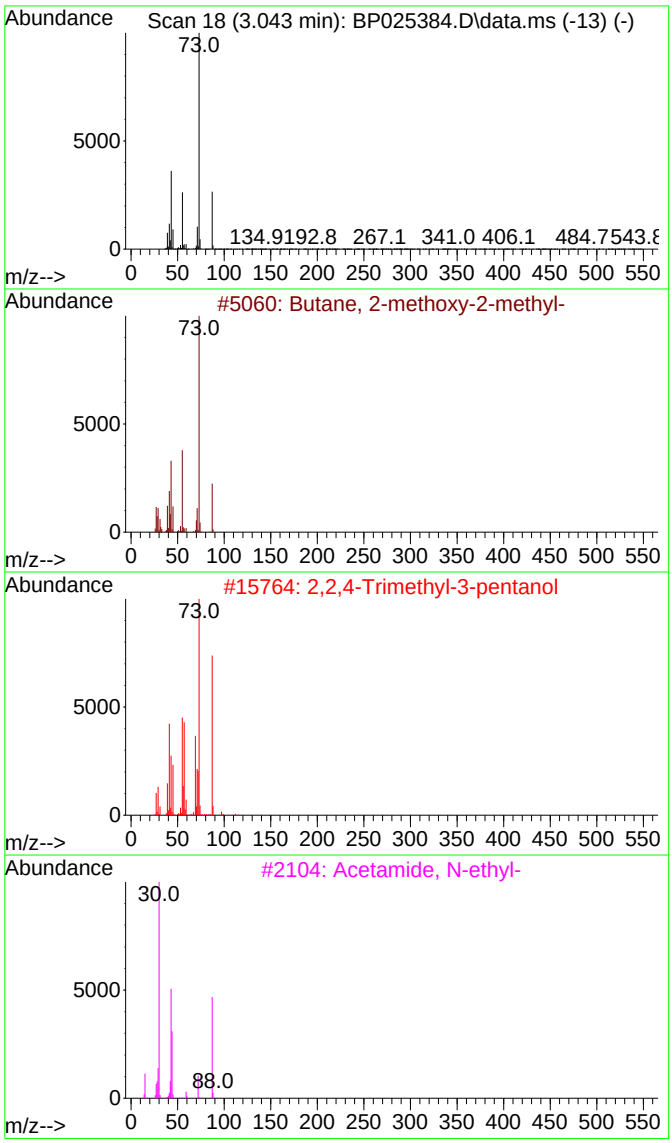
Instrument :
BNA_P
ClientSampleId :
705R-S

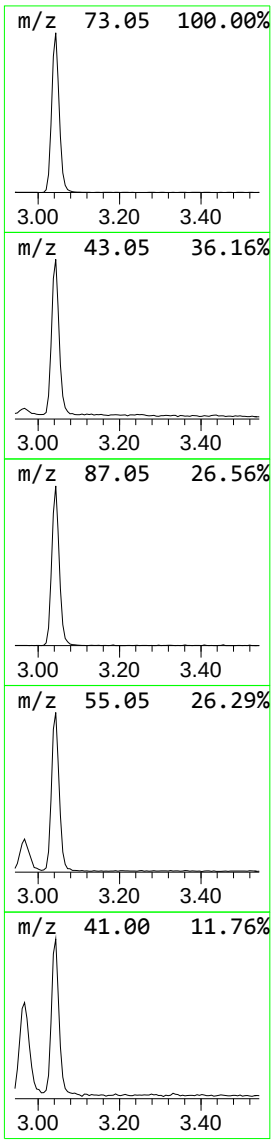
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	23.02 ng	924062	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

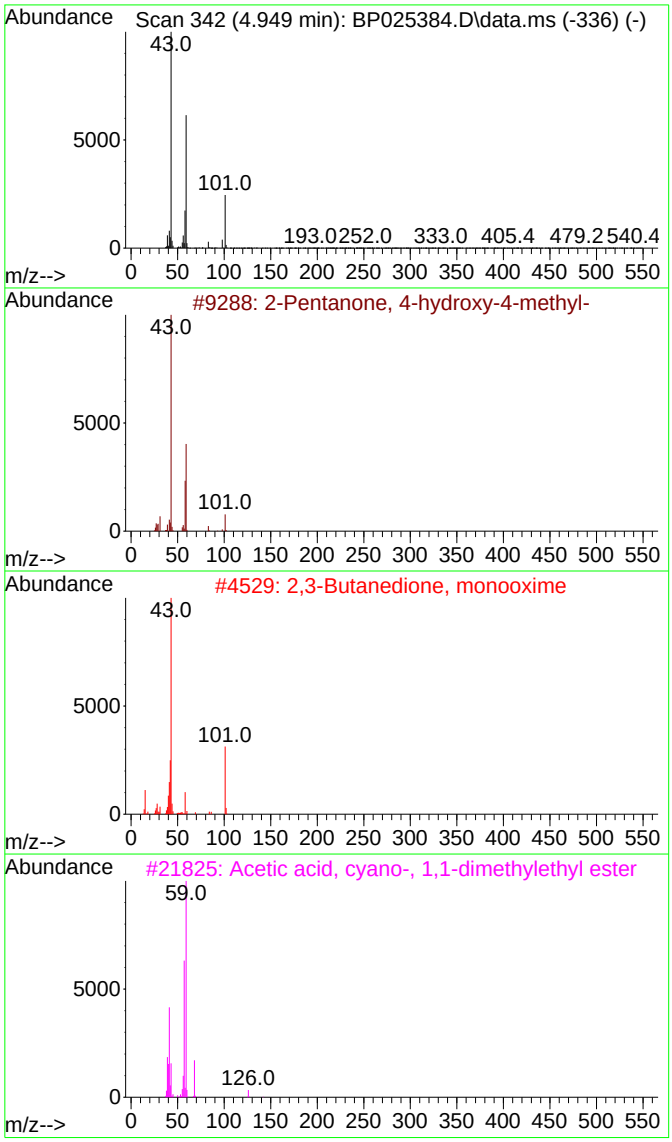
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

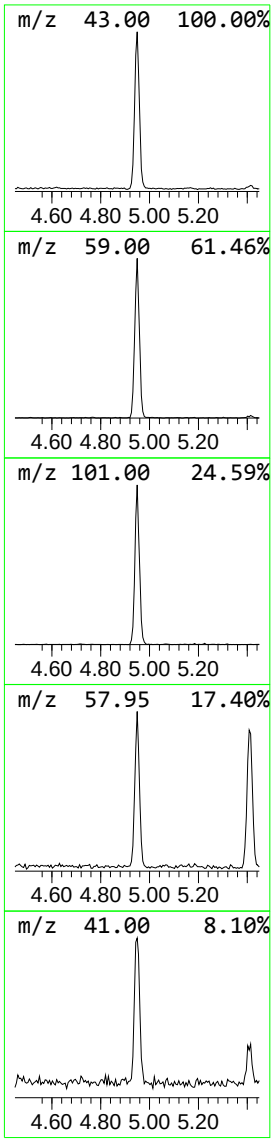
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	5.16 ng	207277	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

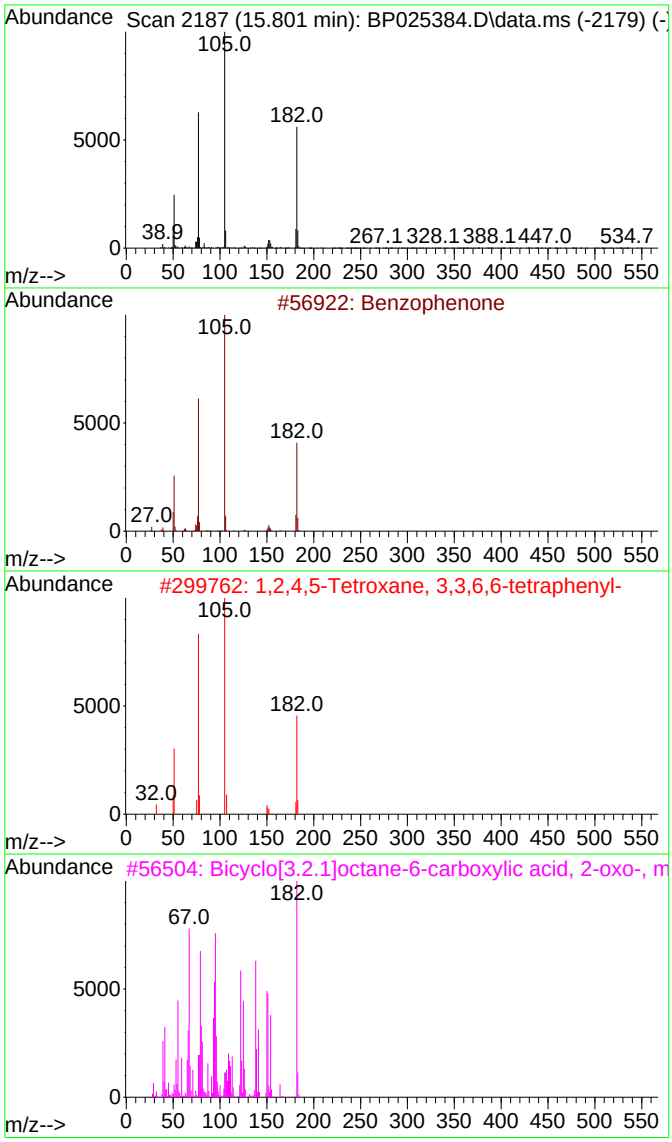
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

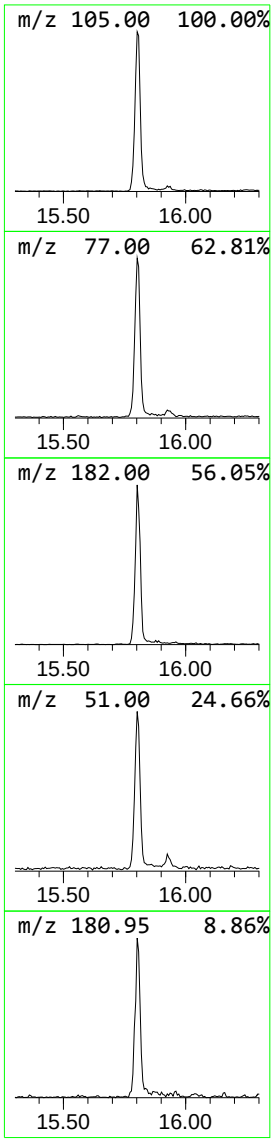
****

Peak Number 4 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.801	3.61 ng	255194	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	56
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5	Azobenzene	182	C12H10N2	000103-33-3	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

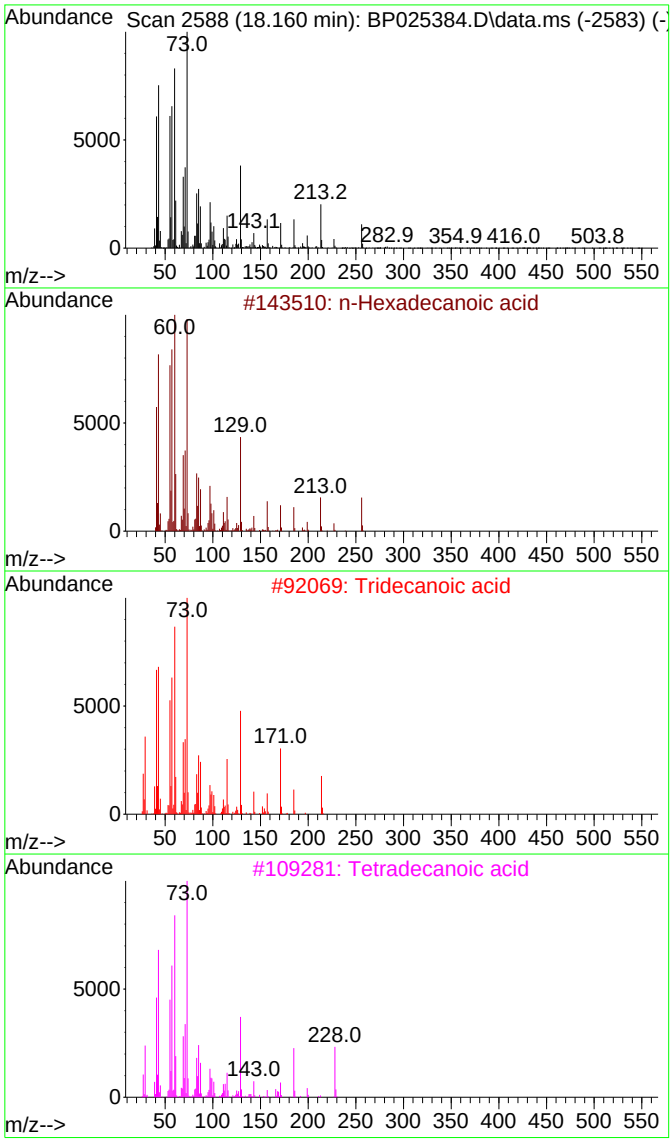
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

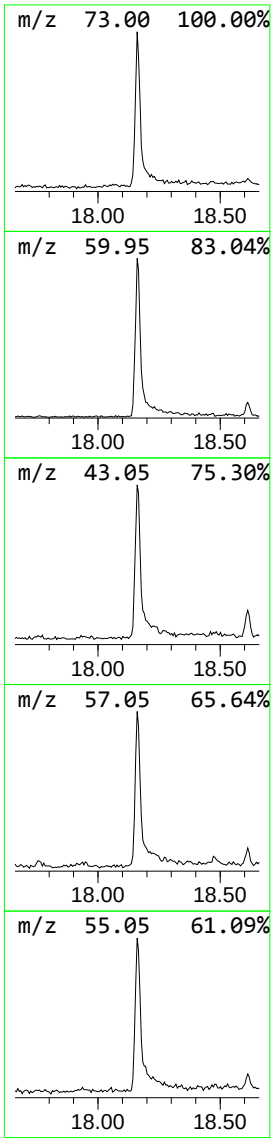
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.160	5.45 ng	449873	Phenanthrene-d10	17.219

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

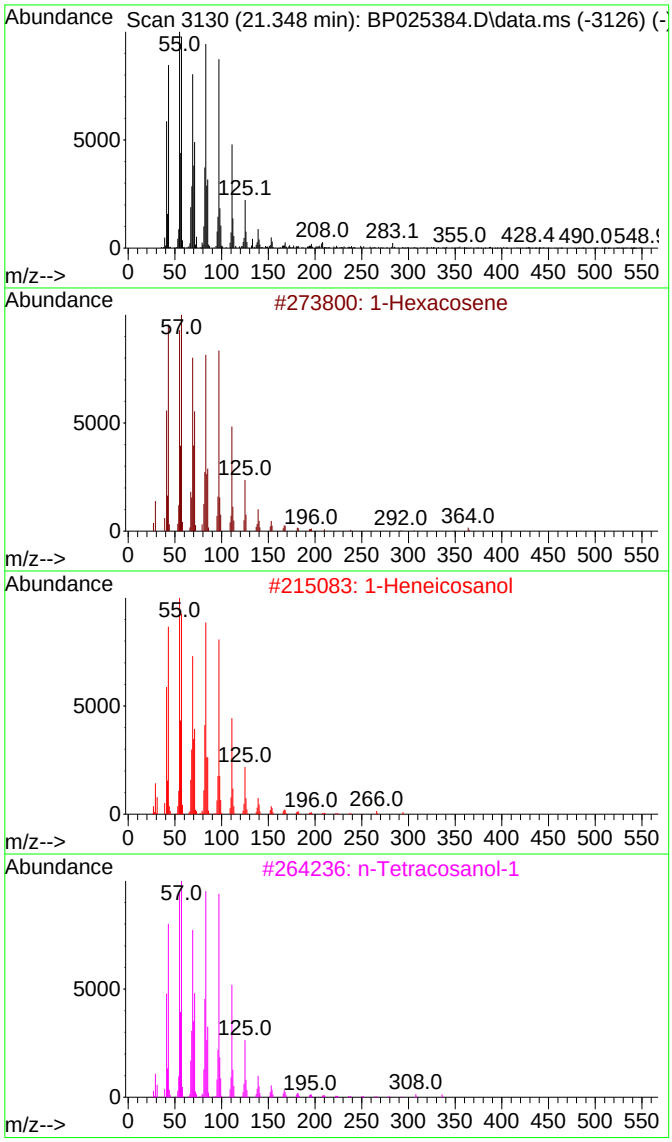
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

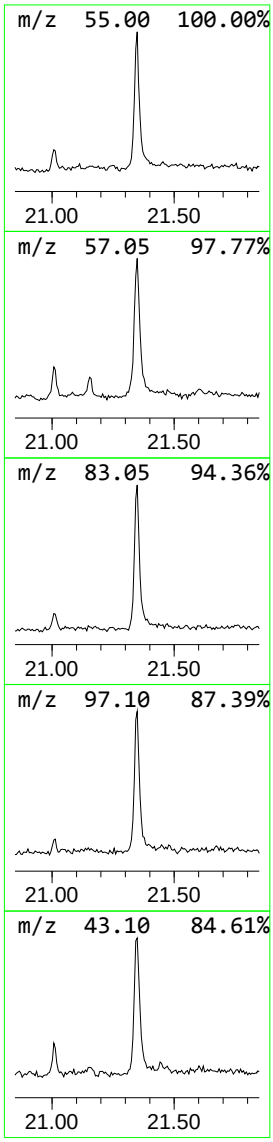
****

Peak Number 6 1-Hexacosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.348	5.99 ng	576129	Chrysene-d12	21.672

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Behenic alcohol	326	C22H46O	000661-19-8	94
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025384.D
Acq On : 13 Aug 2025 14:46
Operator : CG/JU
Sample : Q2820-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
705R-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	23.0	ng	924062	1	7.796	802784	20.0
2-Pentanone, 4-...	4.949	5.2	ng	207277	1	7.796	802784	20.0
Benzophenone	15.801	3.6	ng	255194	3	14.425	1414920	20.0
n-Hexadecanoic ...	18.160	5.5	ng	449873	4	17.219	1651290	20.0
1-Hexacosene	21.348	6.0	ng	576129	5	21.672	1925060	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	560	U	320	560	680	ug/Kg
108-95-2	Phenol	270	U	45.6	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	50.1	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	50.3	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.7	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	77.4	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.8	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	560	U	84.8	560	680	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	97.8	170	170	ug/Kg
67-72-1	Hexachloroethane	270	U	36.3	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.7	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.7	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	63.5	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	58.4	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.8	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	73.0	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	52.2	270	350	ug/Kg
105-60-2	Caprolactam	560	U	110	560	680	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	59.2	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.8	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	U	240	560	680	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.8	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	60.0	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	45.0	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.4	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	99.2	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.9	270	350	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.6	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	69.3	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.9	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.9	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	560	U	470	560	680	ug/Kg
100-02-7	4-Nitrophenol	560	U	220	560	680	ug/Kg
132-64-9	Dibenzofuran	270	U	46.8	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	58.4	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	55.1	270	350	ug/Kg
86-73-7	Fluorene	270	U	52.2	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	560	U	210	560	680	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.9	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	57.3	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	52.2	270	350	ug/Kg
1912-24-9	Atrazine	270	U	70.1	270	350	ug/Kg
87-86-5	Pentachlorophenol	560	U	110	560	680	ug/Kg
85-01-8	Phenanthrene	270	U	43.1	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.7	270	350	ug/Kg
86-74-8	Carbazole	270	U	64.4	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	98.8	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.9	270	350	ug/Kg
129-00-0	Pyrene	270	U	74.3	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	75.7	560	680	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.4	270	350	ug/Kg
218-01-9	Chrysene	270	U	41.0	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	560	U	180	560	680	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	39.2	270	350	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	46.2	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.8	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	60.0	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.5	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	53.0	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.8	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	93.2	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.5	270	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	123		35 - 115		82%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.4		44 - 115		66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		39 - 132		89%	SPK: 150
1718-51-0	Terphenyl-d14	66.5		54 - 127		67%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131000	7.79				
1146-65-2	Naphthalene-d8	528000	10.555				
15067-26-2	Acenaphthene-d10	362000	14.401				
1517-22-2	Phenanthrene-d10	769000	17.201				
1719-03-5	Chrysene-d12	879000	21.636				
1520-96-3	Perylene-d12	983000	24.983				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3200	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB			4.95	ug/Kg
000119-61-9	Benzophenone	490	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	1000	J			18.1	ug/Kg
000057-11-4	Octadecanoic acid	590	J			19.5	ug/Kg
053057-53-7	1,21-Docosadiene	570	J			21.0	ug/Kg
010192-32-2	1-Tetracosene	680	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
014811-95-1	1,19-Eicosadiene	570	J			22.2	ug/Kg
018835-33-1	1-Hexacosene	240	J			22.6	ug/Kg
026627-85-0	Hexacosanal	210	J			23.7	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Time: Aug 15 01:38:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

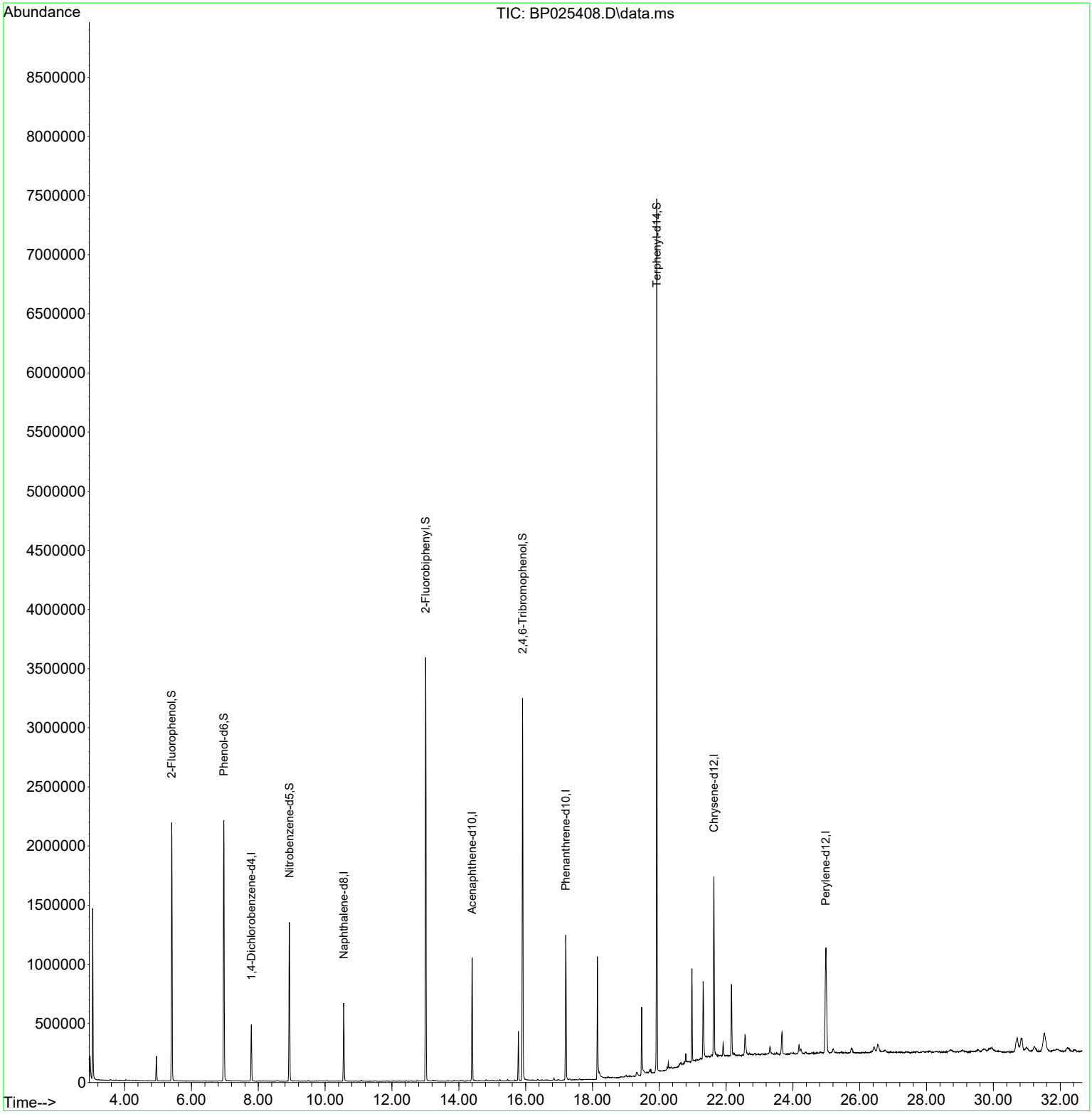
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	130775	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	527527	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	362405	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	768594	20.000	ng	0.00
76) Chrysene-d12	21.636	240	878990	20.000	ng	-0.01
86) Perylene-d12	24.983	264	982656	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	966224	122.700	ng	0.00
7) Phenol-d6	6.966	99	1284539	127.232	ng	0.00
23) Nitrobenzene-d5	8.931	82	781383	74.928	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	652588	133.782	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1759458	66.352	ng	-0.01
79) Terphenyl-d14	19.925	244	3197028	66.544	ng	0.00
Target Compounds						Qvalue

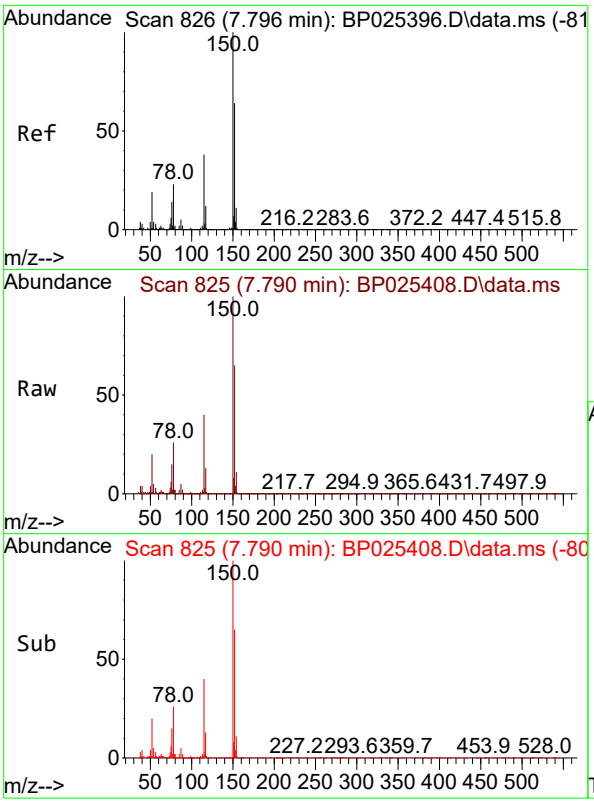
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Time: Aug 15 01:38:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



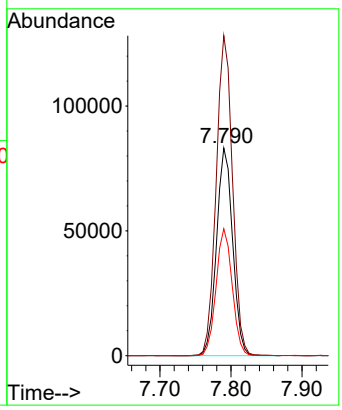


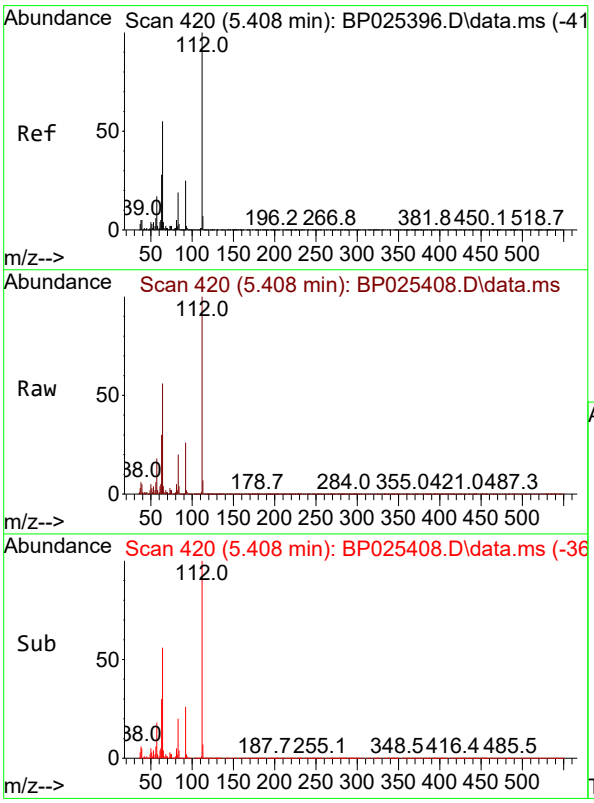
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion:152 Resp: 130775

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	61.1	48.5	72.7

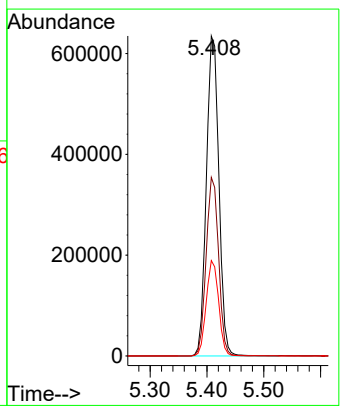


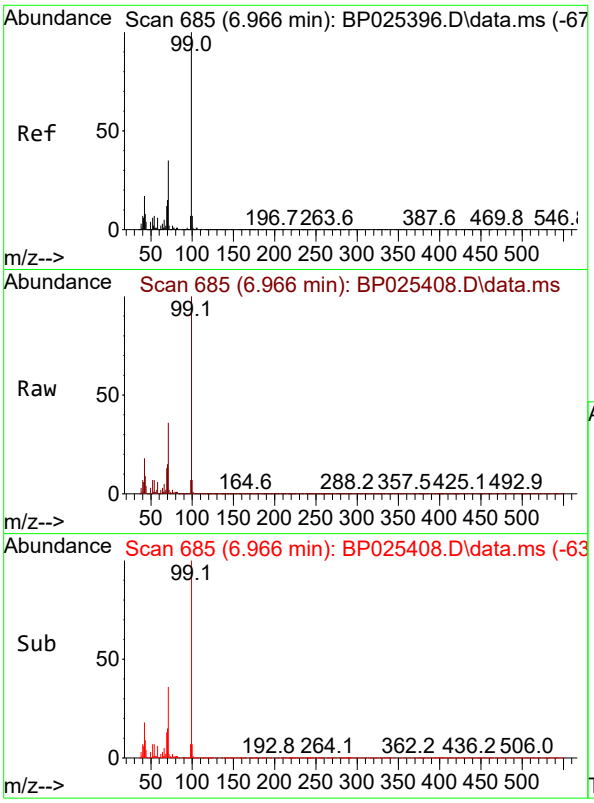


#5
2-Fluorophenol
Concen: 122.700 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:112 Resp: 966224

Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.8
63	29.8	22.7	34.1



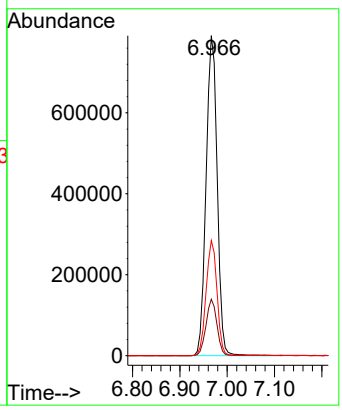


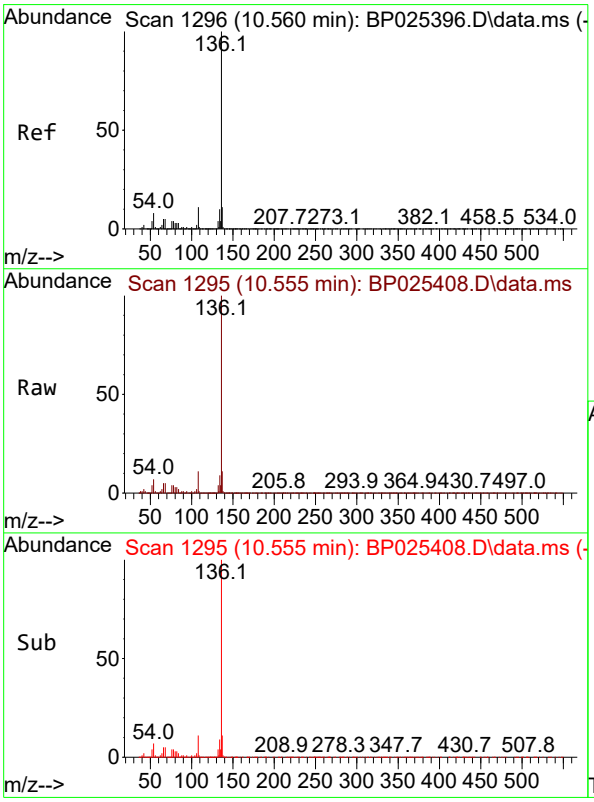
#7
Phenol-d6
Concen: 127.232 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion: 99 Resp: 1284539

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.7	20.5
71	36.0	28.2	42.4

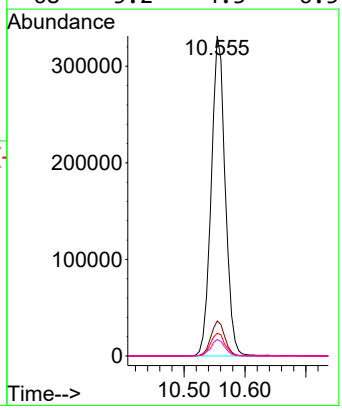


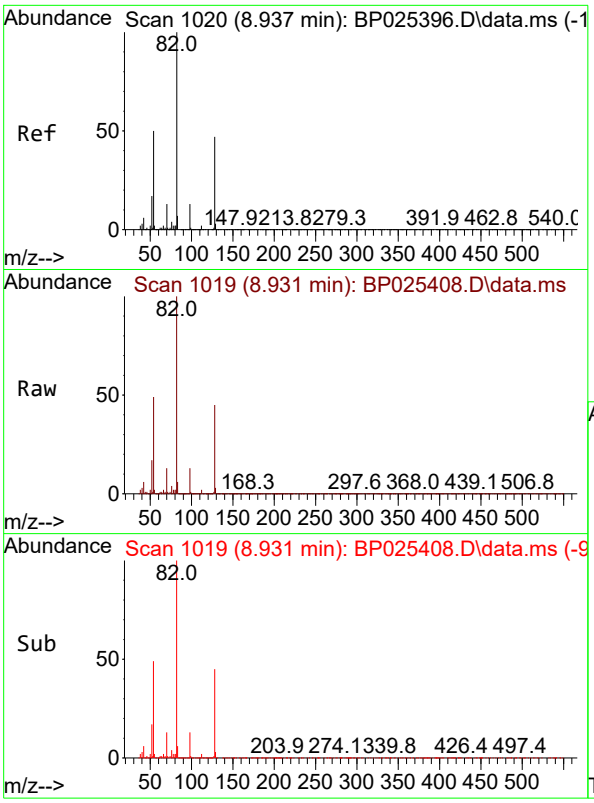


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:136 Resp: 527527

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.1	6.0	9.0
68	5.2	4.3	6.5



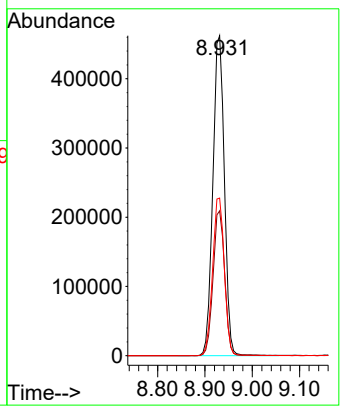


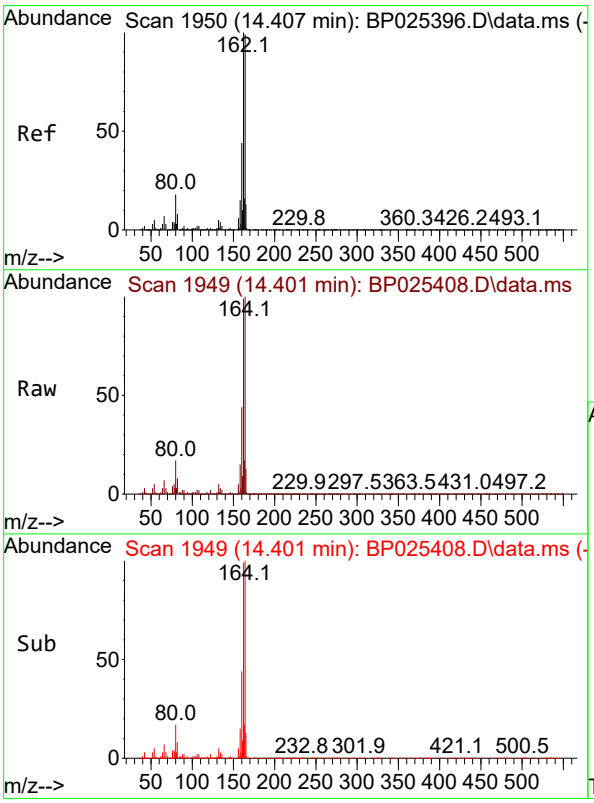
#23
Nitrobenzene-d5
Concen: 74.928 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion: 82 Resp: 781383

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.7	56.5
54	49.2	39.8	59.6

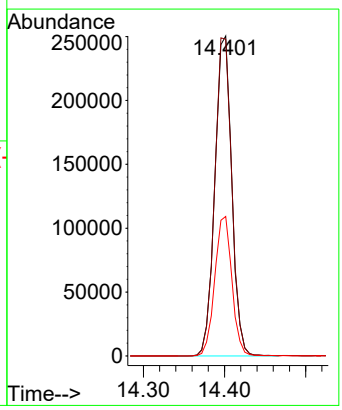


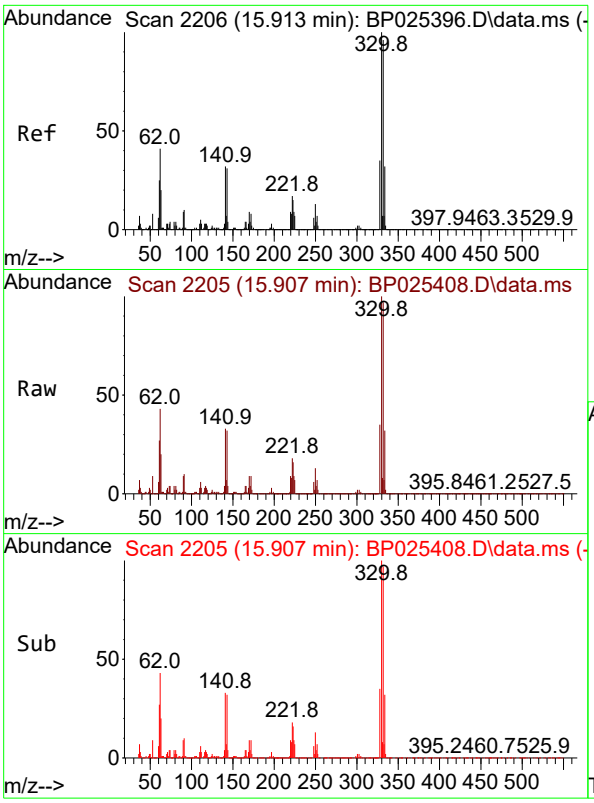


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:164 Resp: 362405

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.6
160	43.6	35.4	53.2



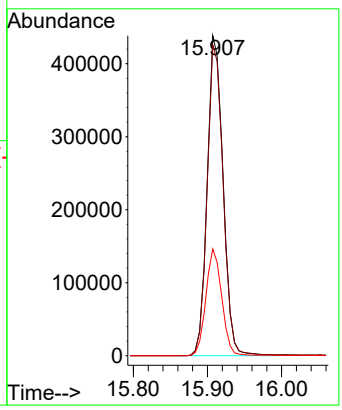


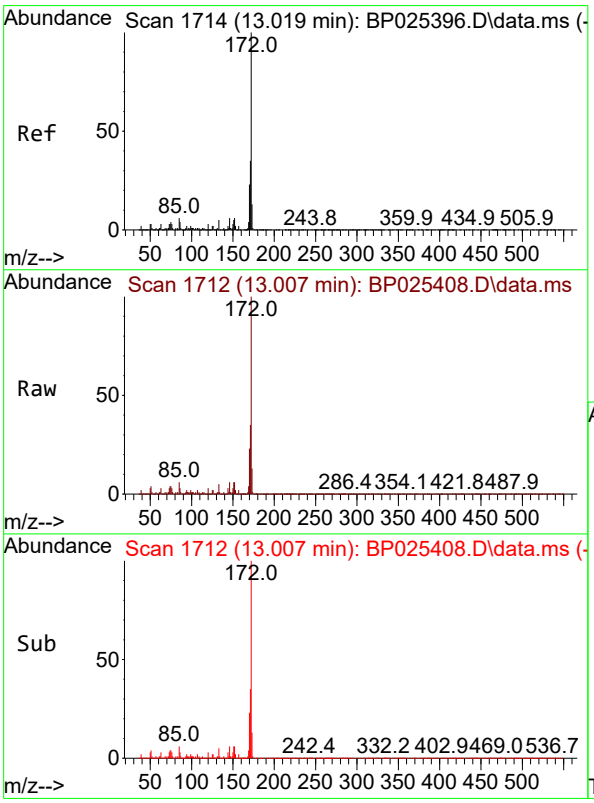
#42
2,4,6-Tribromophenol
Concen: 133.782 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion:330 Resp: 652588

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	33.5	26.6	39.8

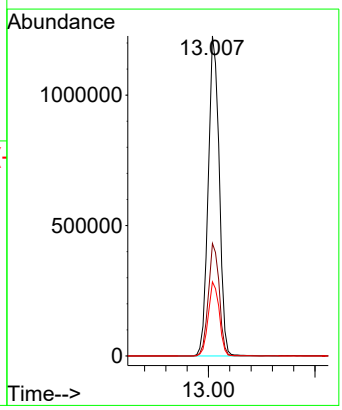


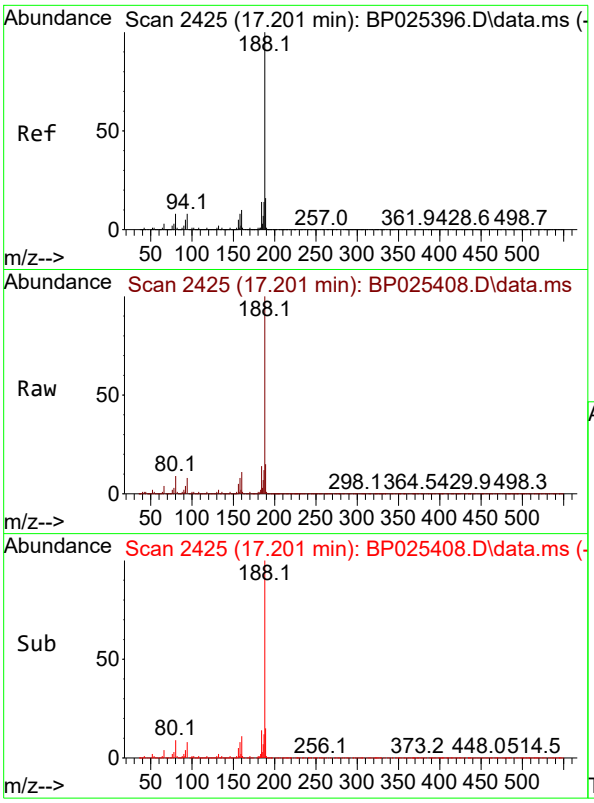


#45
2-Fluorobiphenyl
Concen: 66.352 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:172 Resp: 1759458

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.1	18.6	28.0



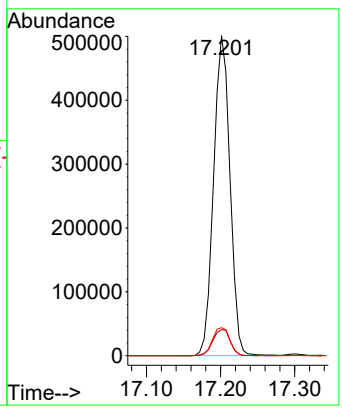


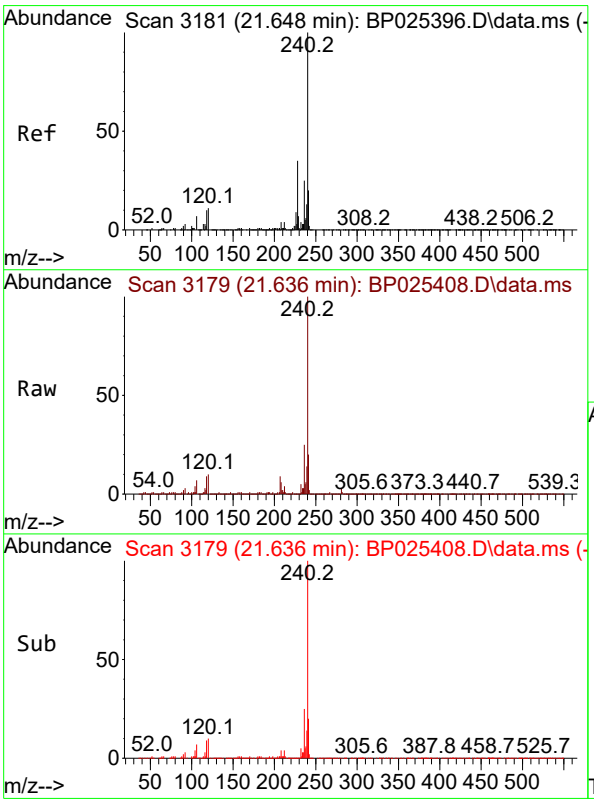
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion:188 Resp: 768594

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.7	6.7	10.1

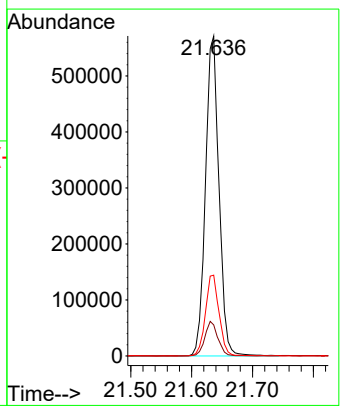


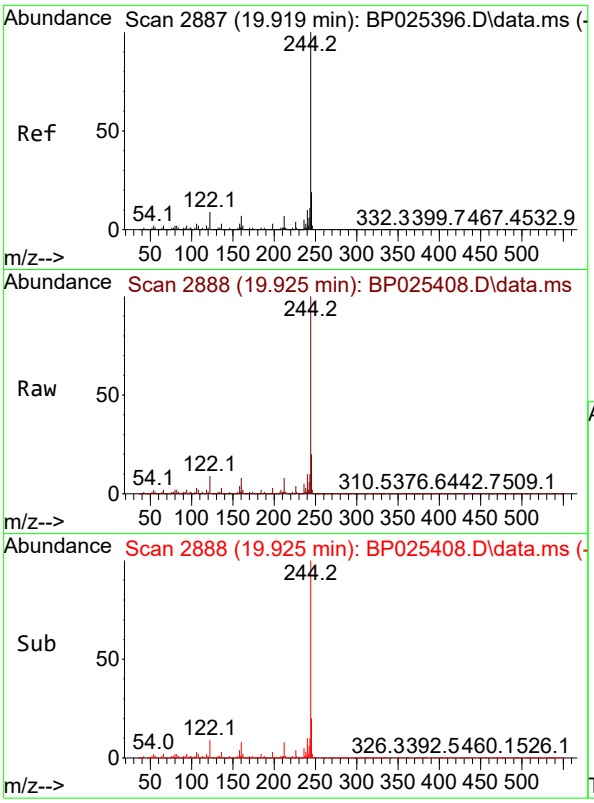


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:240 Resp: 878990

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	25.3	19.8	29.8



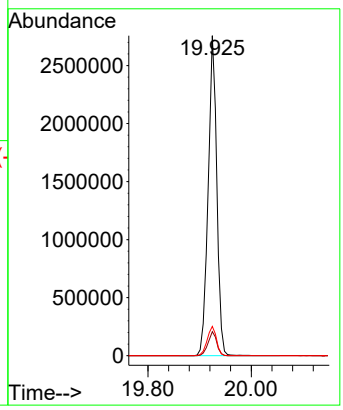


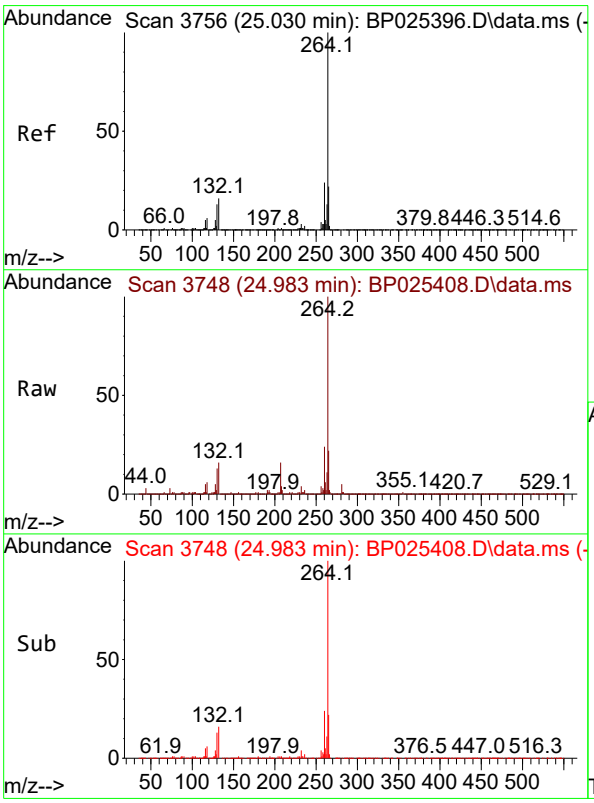
#79
Terphenyl-d14
Concen: 66.544 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Tgt Ion:244 Resp: 3197028

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.2	7.4	11.2

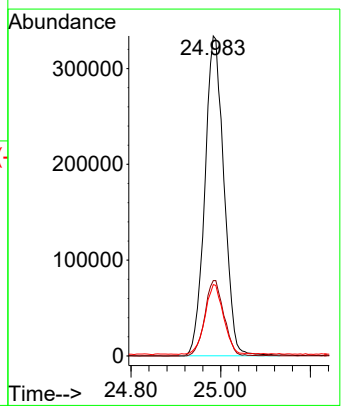




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.983 min Scan# 3748
Delta R.T. -0.047 min
Lab File: BP025408.D
Acq: 15 Aug 2025 01:00

Tgt Ion:264 Resp: 982656

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.961	3	4	13	rVB2	185034	246341	2.82%	0.521%
2	3.043	13	18	31	rVB	1445195	1750722	20.06%	3.700%
3	4.949	336	342	349	rBV	210287	296716	3.40%	0.627%
4	5.408	413	420	431	rBV	2184382	3295826	37.76%	6.965%
5	6.966	677	685	699	rBV	2205555	3599248	41.24%	7.606%
6	7.790	816	825	835	rBV	477289	759965	8.71%	1.606%
7	8.931	1011	1019	1030	rBV	1343535	2309034	26.45%	4.880%
8	10.555	1285	1295	1308	rBV	661209	1072469	12.29%	2.267%
9	13.007	1705	1712	1727	rBV	3581720	5091605	58.33%	10.760%
10	14.401	1940	1949	1955	rBV	1035879	1530916	17.54%	3.235%
11	15.784	2176	2184	2192	rBV	418770	546579	6.26%	1.155%
12	15.907	2198	2205	2217	rBV	3233698	4825805	55.29%	10.199%
13	17.201	2418	2425	2438	rBV2	1225973	1926666	22.07%	4.072%
14	18.148	2580	2586	2594	rBV	1038309	1429798	16.38%	3.022%
15	19.472	2806	2811	2829	rBV	576349	986168	11.30%	2.084%
16	19.925	2879	2888	2897	rBV	7384723	8728549	100.00%	18.446%
17	20.977	3062	3067	3073	rBV	789539	967507	11.08%	2.045%
18	21.313	3119	3124	3137	rBV2	653277	1141087	13.07%	2.412%
19	21.636	3173	3179	3186	rBV	1505271	2318441	26.56%	4.900%
20	21.913	3222	3226	3233	rVB	109703	164378	1.88%	0.347%
21	22.160	3263	3268	3276	rBV	597145	956661	10.96%	2.022%
22	22.566	3333	3337	3351	rVB4	166000	406806	4.66%	0.860%
23	23.671	3520	3525	3534	rVB2	185125	388054	4.45%	0.820%
24	24.989	3740	3749	3765	rVB	891295	2578850	29.55%	5.450%

Sum of corrected areas: 47318191

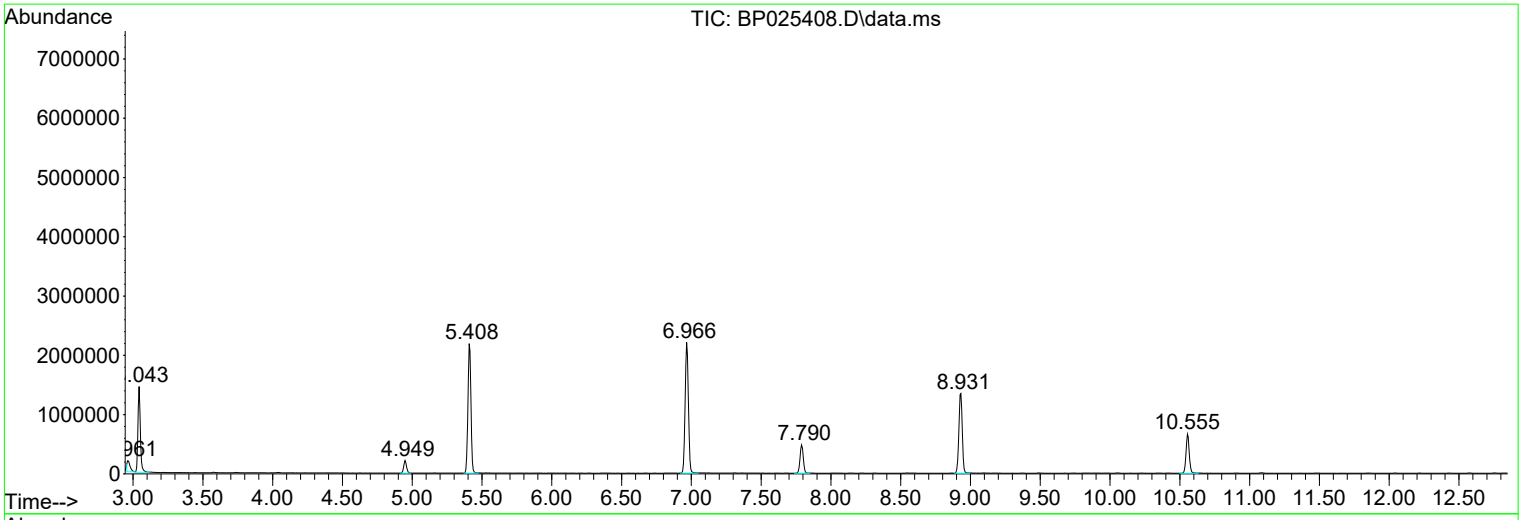
Sample Results: **BP025408.D**

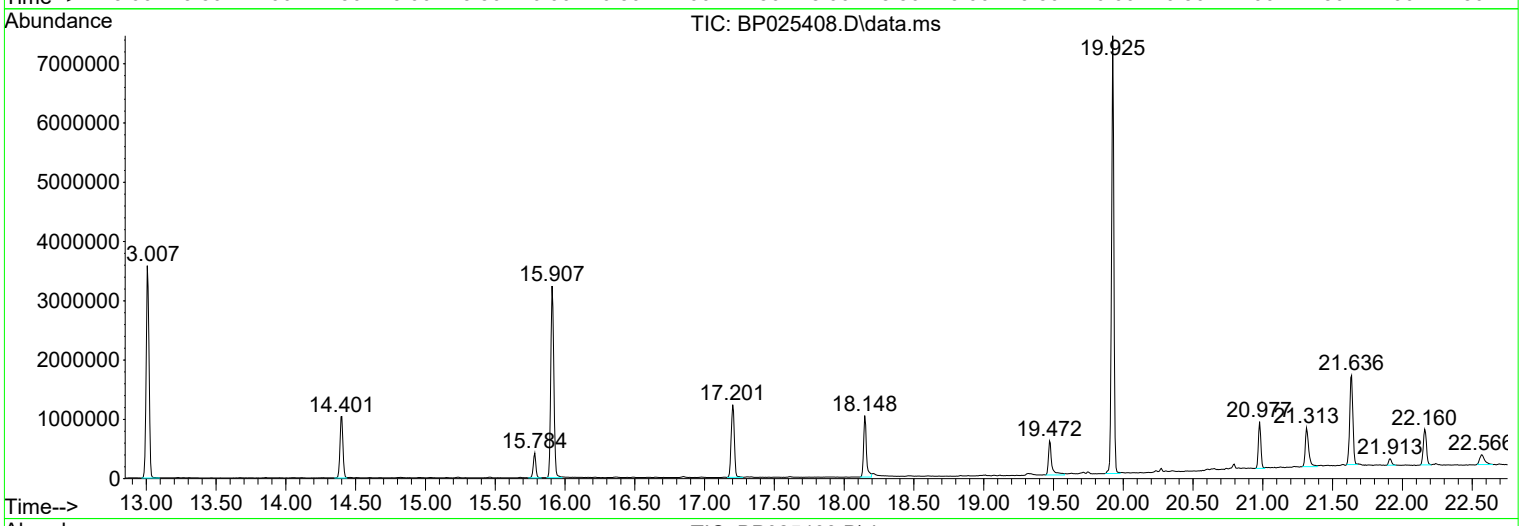
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

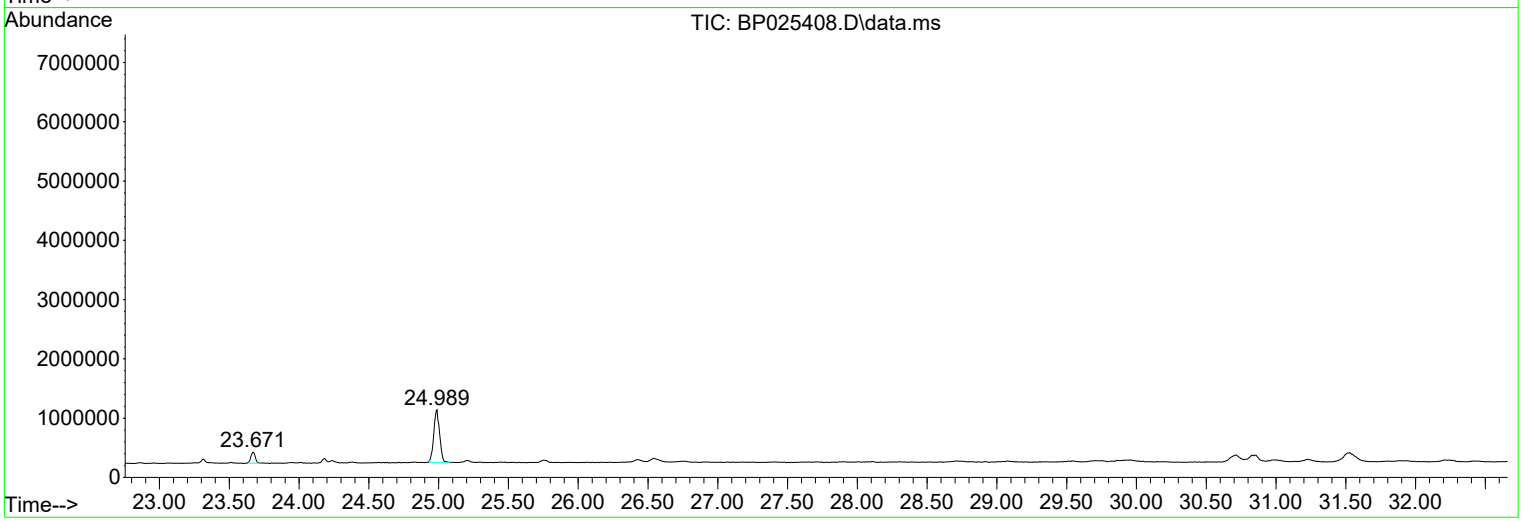
Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

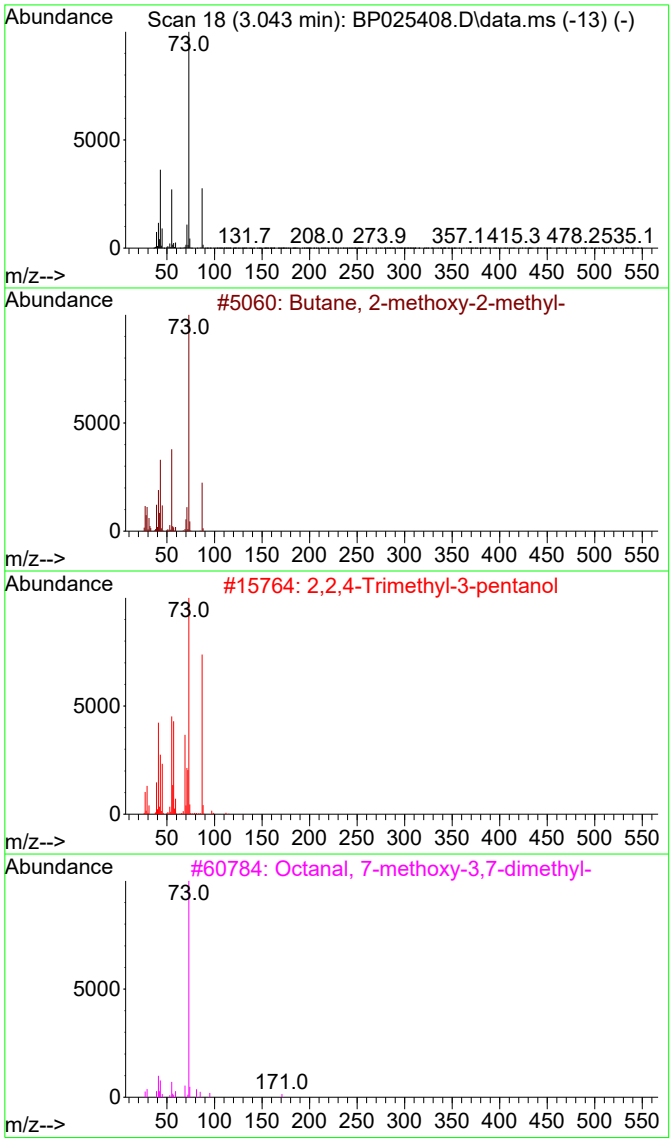
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

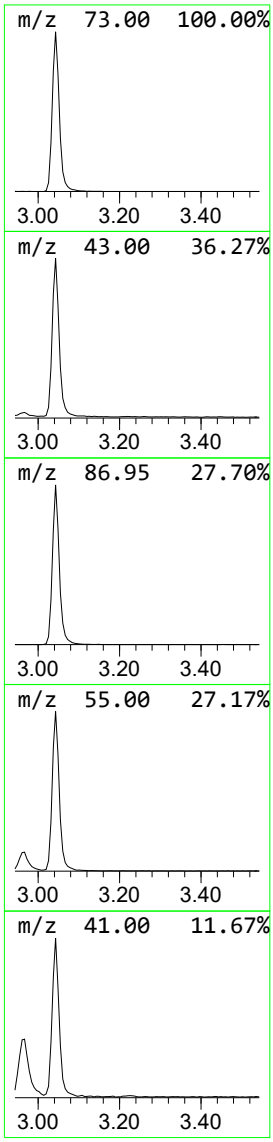
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	46.07 ng	1750720	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

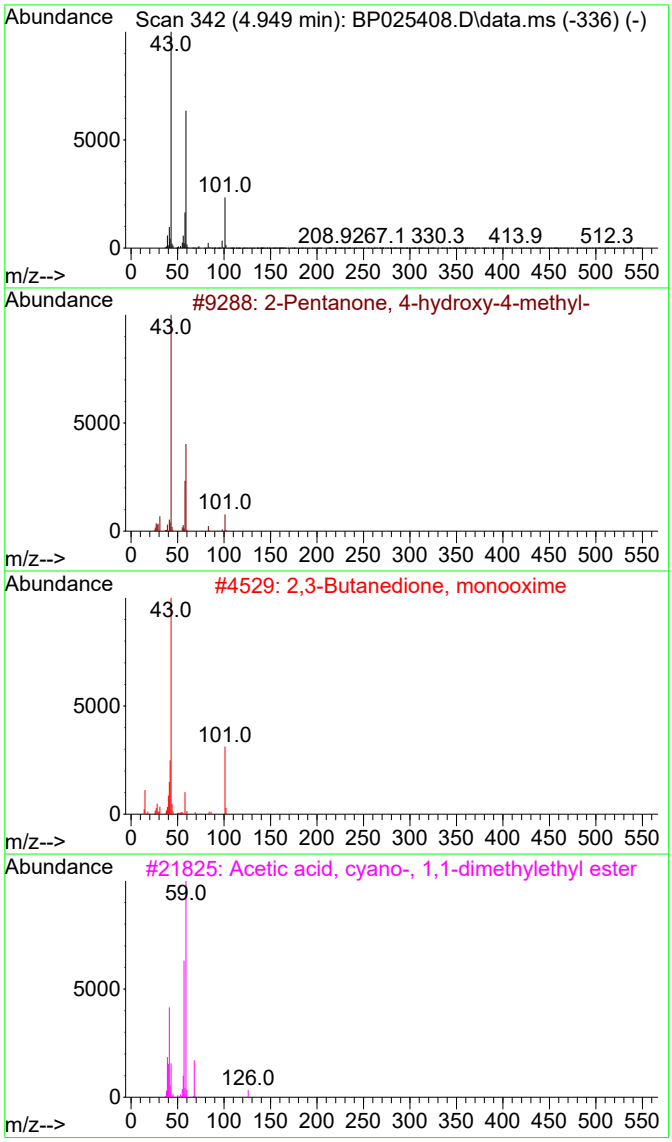
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

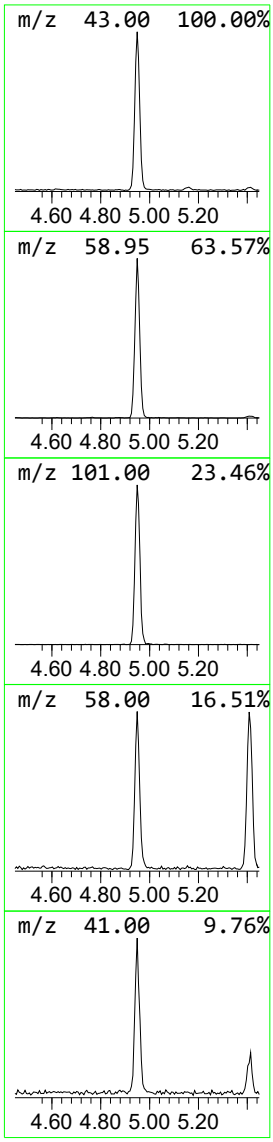
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	7.81 ng	296716	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

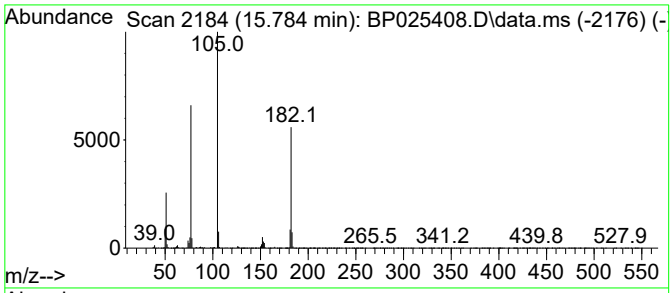
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

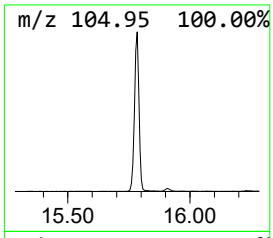
****

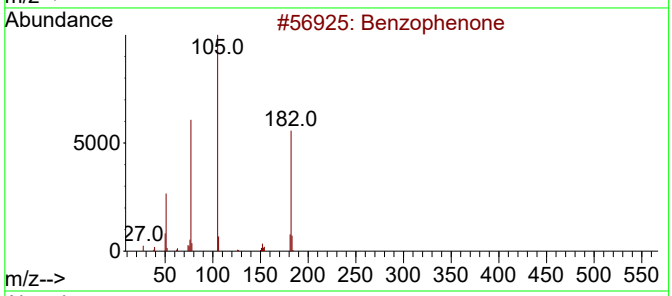
Peak Number 4 Benzophenone Concentration Rank 8

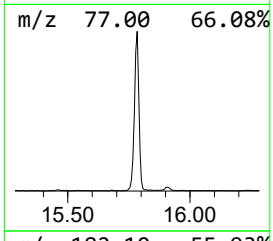
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.784	7.14 ng	546579	Acenaphthene-d10	14.401

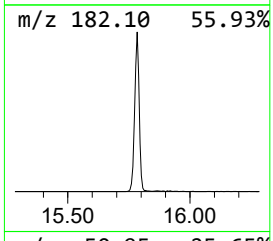
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
5	Azobenzene	182	C12H10N2	000103-33-3	42

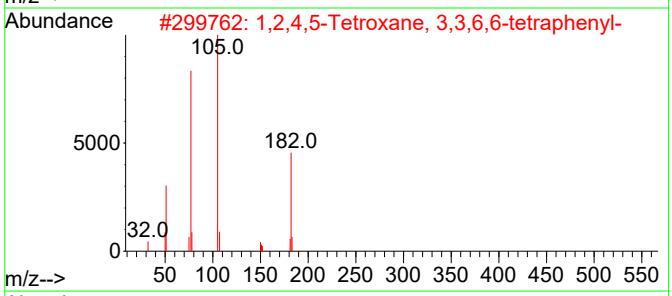


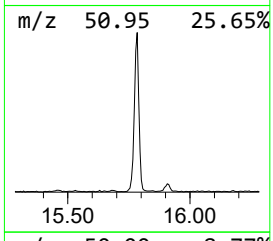


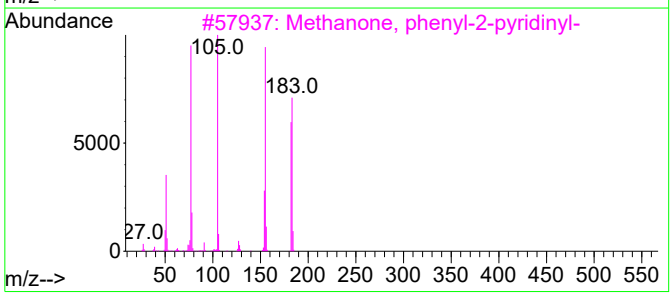


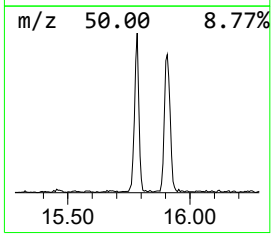












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

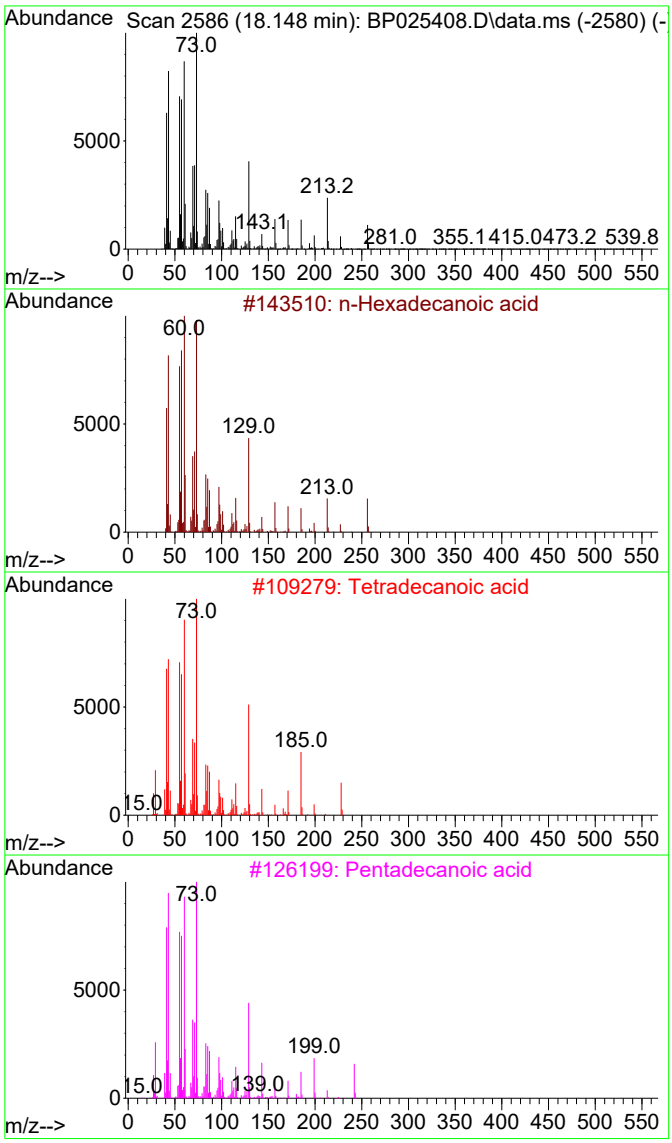
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

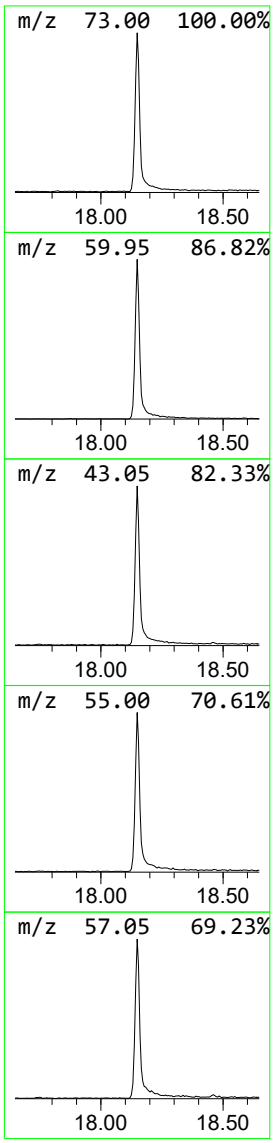
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.148	14.84 ng	1429800	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	92
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

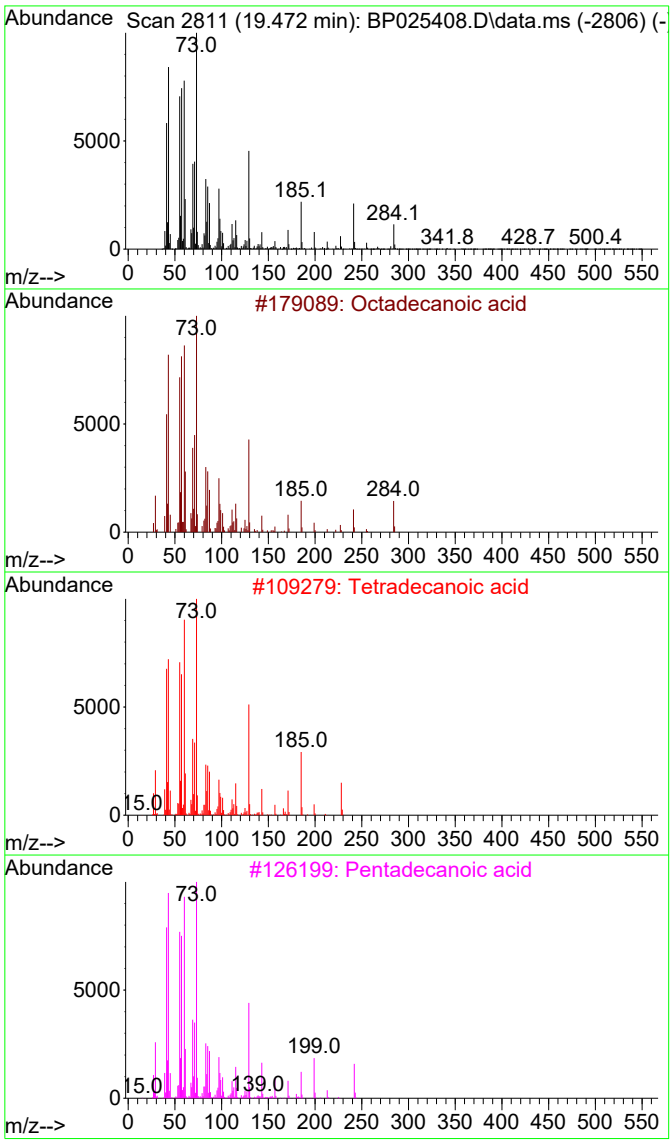
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

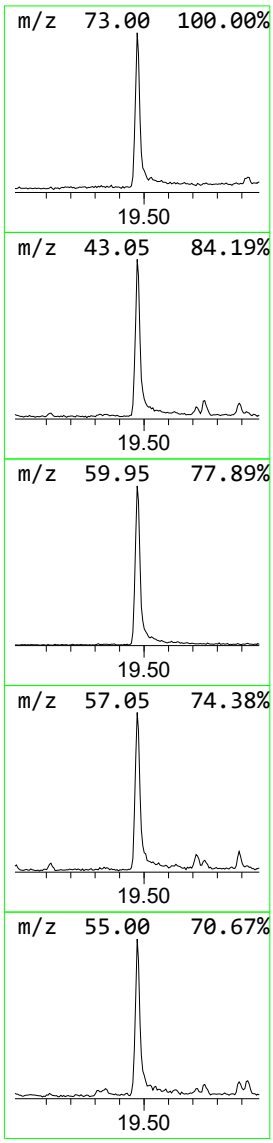
****

Peak Number 6 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.472	8.51 ng	986168	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

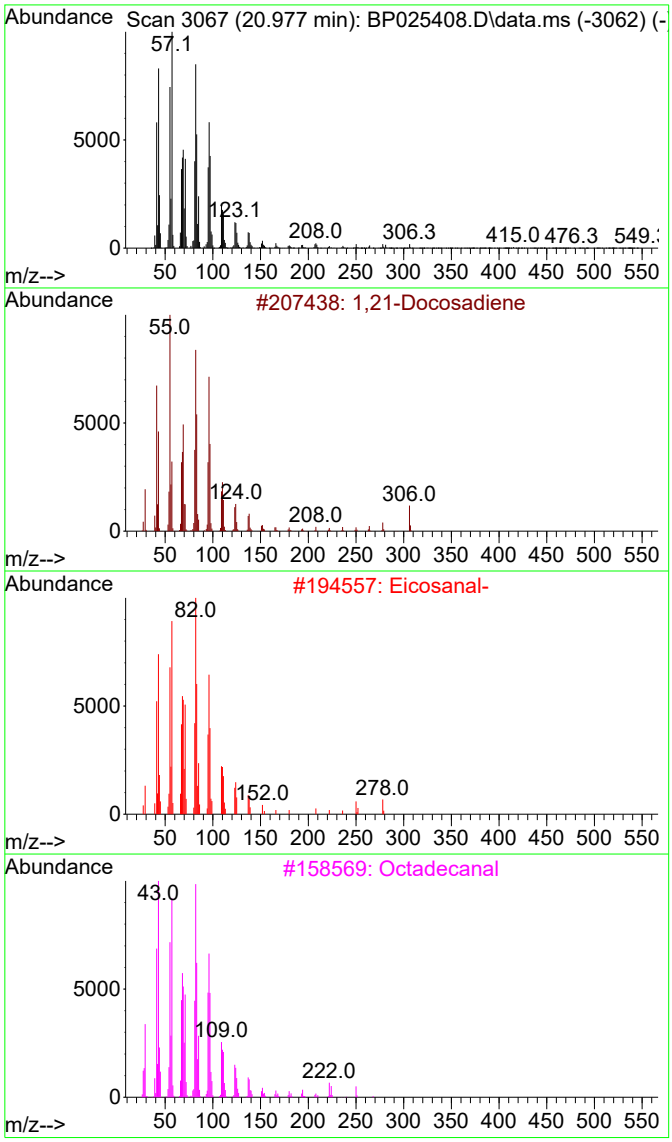
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

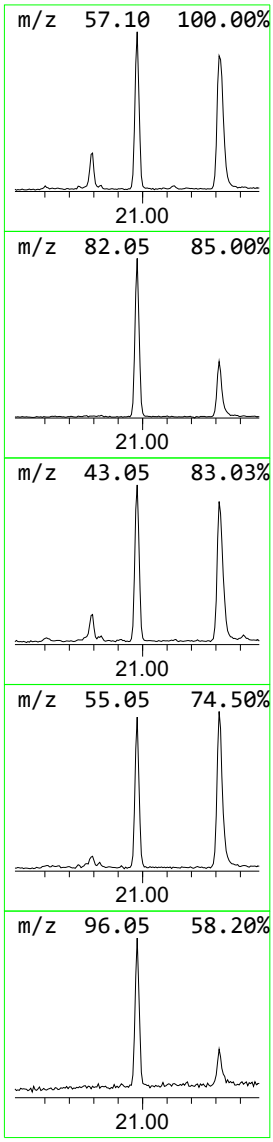
****

Peak Number 7 1,21-Docosadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.977	8.35 ng	967507	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,21-Docosadiene	306	C22H42	053057-53-7	98
2	Eicosanal-	296	C20H40O	002400-66-0	94
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Octacosanal	408	C28H56O	022725-64-0	91
5	Heptadecanal	254	C17H34O	1000376-70-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

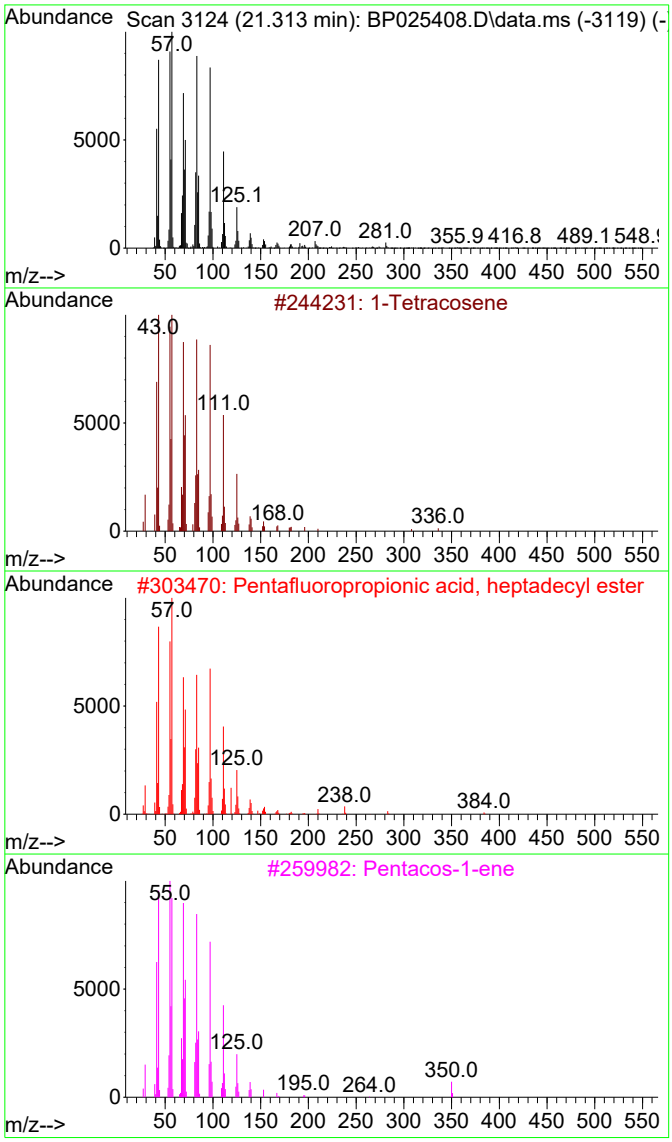
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

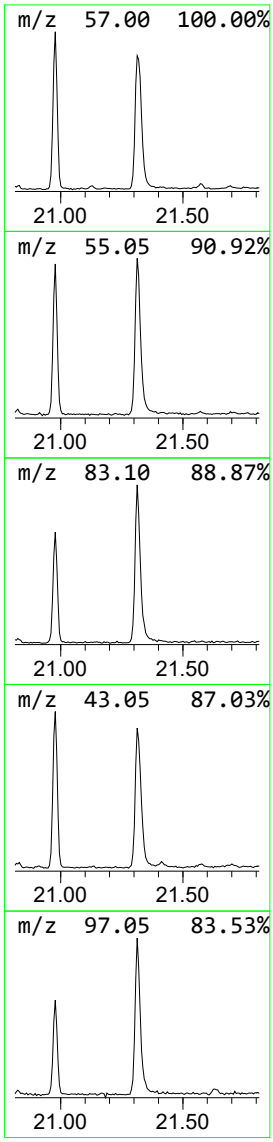
****

Peak Number 8 1-Tetracosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	9.84 ng	1141090	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	95
2	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
3	Pentacos-1-ene	350	C25H50	016980-85-1	94
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

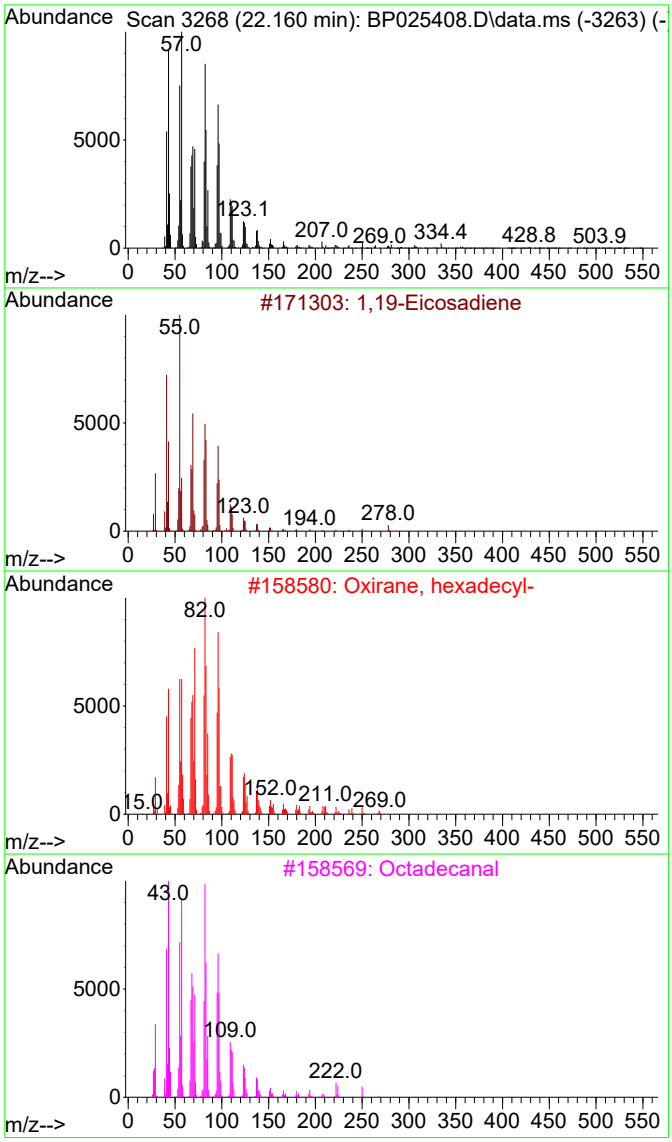
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

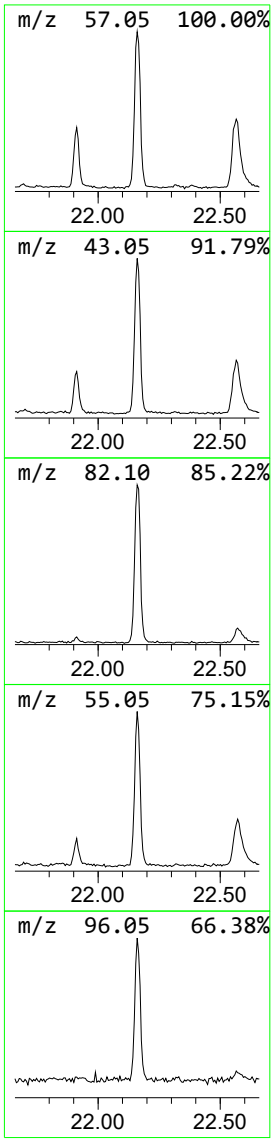
****

Peak Number 9 1,19-Eicosadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.160	8.25 ng	956661	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	95
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Docosanal	324	C22H44O	057402-36-5	91
5	Hexacosanal	380	C26H52O	026627-85-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

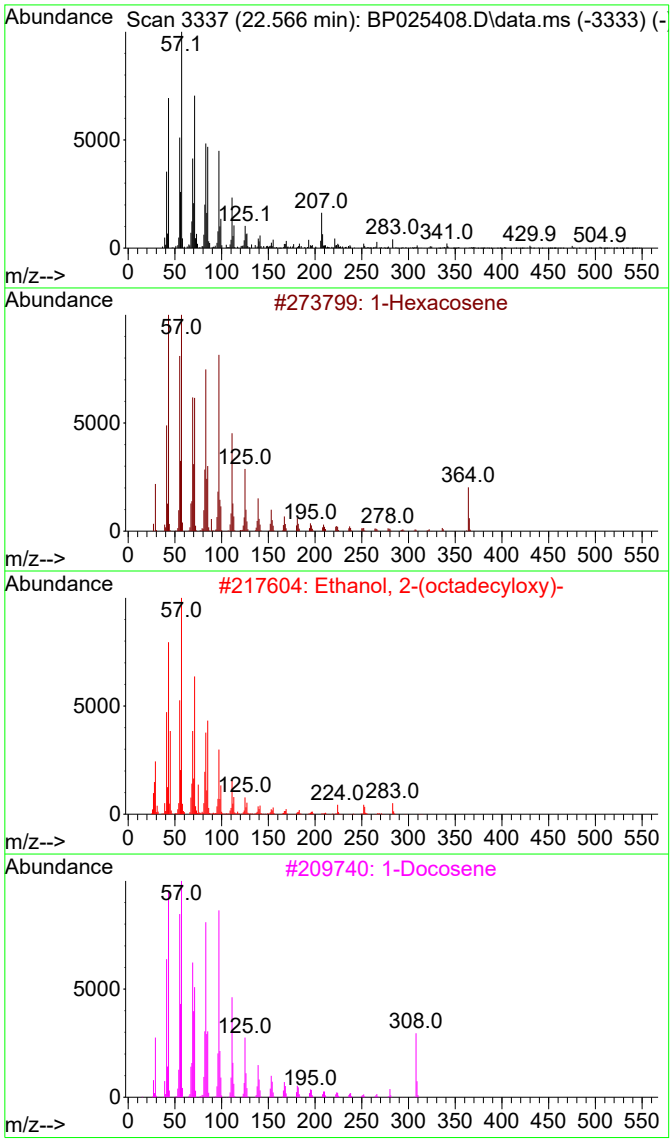
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

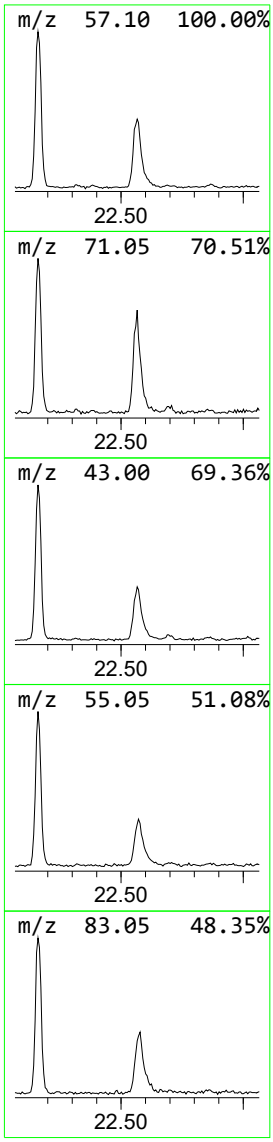
****

Peak Number 10 1-Hexacosene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.566	3.51 ng	406806	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	93
2	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	93
3	1-Docosene	308	C22H44	001599-67-3	90
4	17-Pentatriacontene	491	C35H70	006971-40-0	90
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

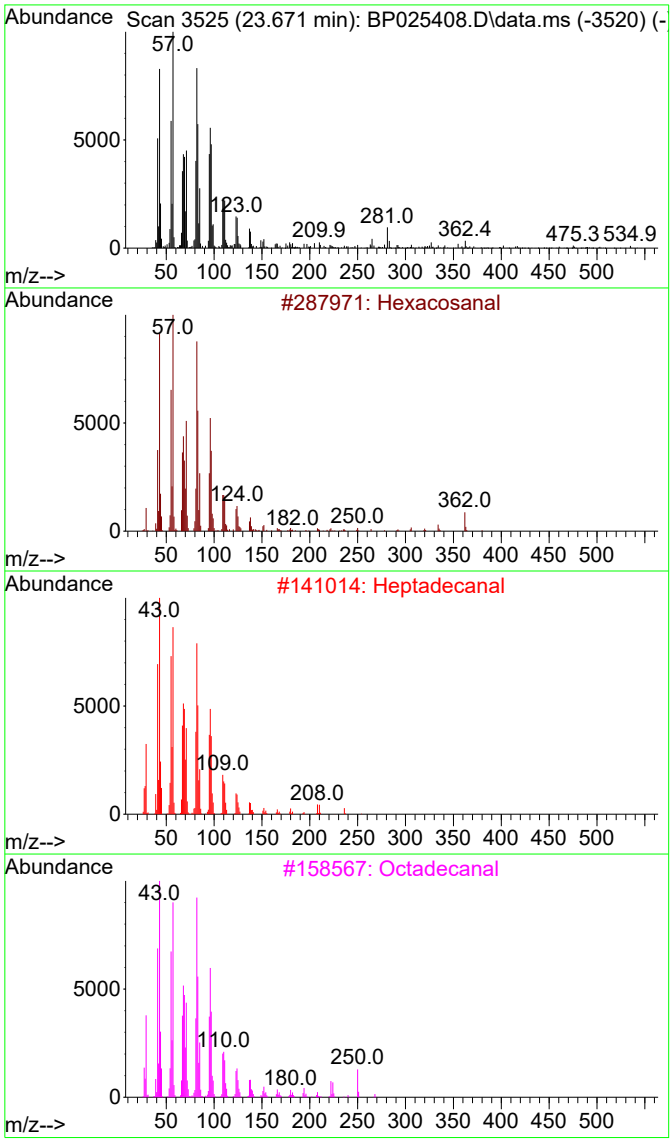
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

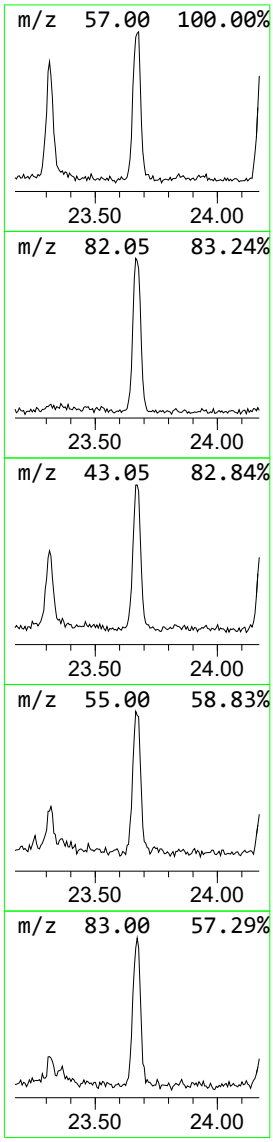
****

Peak Number 11 Hexacosanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.672	3.01 ng	388054	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosanal	380	C26H52O	026627-85-0	98
2	Heptadecanal	254	C17H34O	1000376-70-0	93
3	Octadecanal	268	C18H36O	000638-66-4	90
4	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	89
5	1,13-Tetradecadiene	194	C14H26	021964-49-8	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025408.D
Acq On : 15 Aug 2025 01:00
Operator : CG/JU
Sample : Q2820-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SOIL-DUP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	46.1	ng	1750720	1	7.790	759965	20.0
2-Pentanone, 4-...	4.949	7.8	ng	296716	1	7.790	759965	20.0
Benzophenone	15.784	7.1	ng	546579	3	14.401	1530920	20.0
n-Hexadecanoic ...	18.148	14.8	ng	1429800	4	17.201	1926670	20.0
Octadecanoic acid	19.472	8.5	ng	986168	5	21.636	2318440	20.0
1,21-Docosadiene	20.977	8.3	ng	967507	5	21.636	2318440	20.0
1-Tetracosene	21.313	9.8	ng	1141090	5	21.636	2318440	20.0
1,19-Eicosadiene	22.160	8.3	ng	956661	5	21.636	2318440	20.0
1-Hexacosene	22.566	3.5	ng	406806	5	21.636	2318440	20.0
Hexacosanal	23.672	3.0	ng	388054	6	24.983	2578850	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.3	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.5	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.3	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.3	U	51.1	86.3	86.3	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.7	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	62.8	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	69.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.2	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.5	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.2	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.0	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	51.9	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.2	140	180	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.6	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.0	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.5	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.1	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.5	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.8	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.3	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.7	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.4	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	35.9	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.7	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.4	140	180	ug/Kg
129-00-0	Pyrene	140	U	38.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.0	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.6	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.8	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	63.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.7	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.5	140	180	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.2	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.8	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.6	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.8	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.6	140	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.8		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.5		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	50.3	*	54 - 127		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	139000	7.789				
1146-65-2	Naphthalene-d8	560000	10.566				
15067-26-2	Acenaphthene-d10	368000	14.407				
1517-22-2	Phenanthrene-d10	771000	17.201				
1719-03-5	Chrysene-d12	900000	21.636				
1520-96-3	Perylene-d12	1010000	25.012				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	940	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB			4.95	ug/Kg
000119-61-9	Benzophenone	270	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J			18.1	ug/Kg
959261-25-7	Pentafluoropropionic acid, octadec	190	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Time: Aug 15 05:03:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

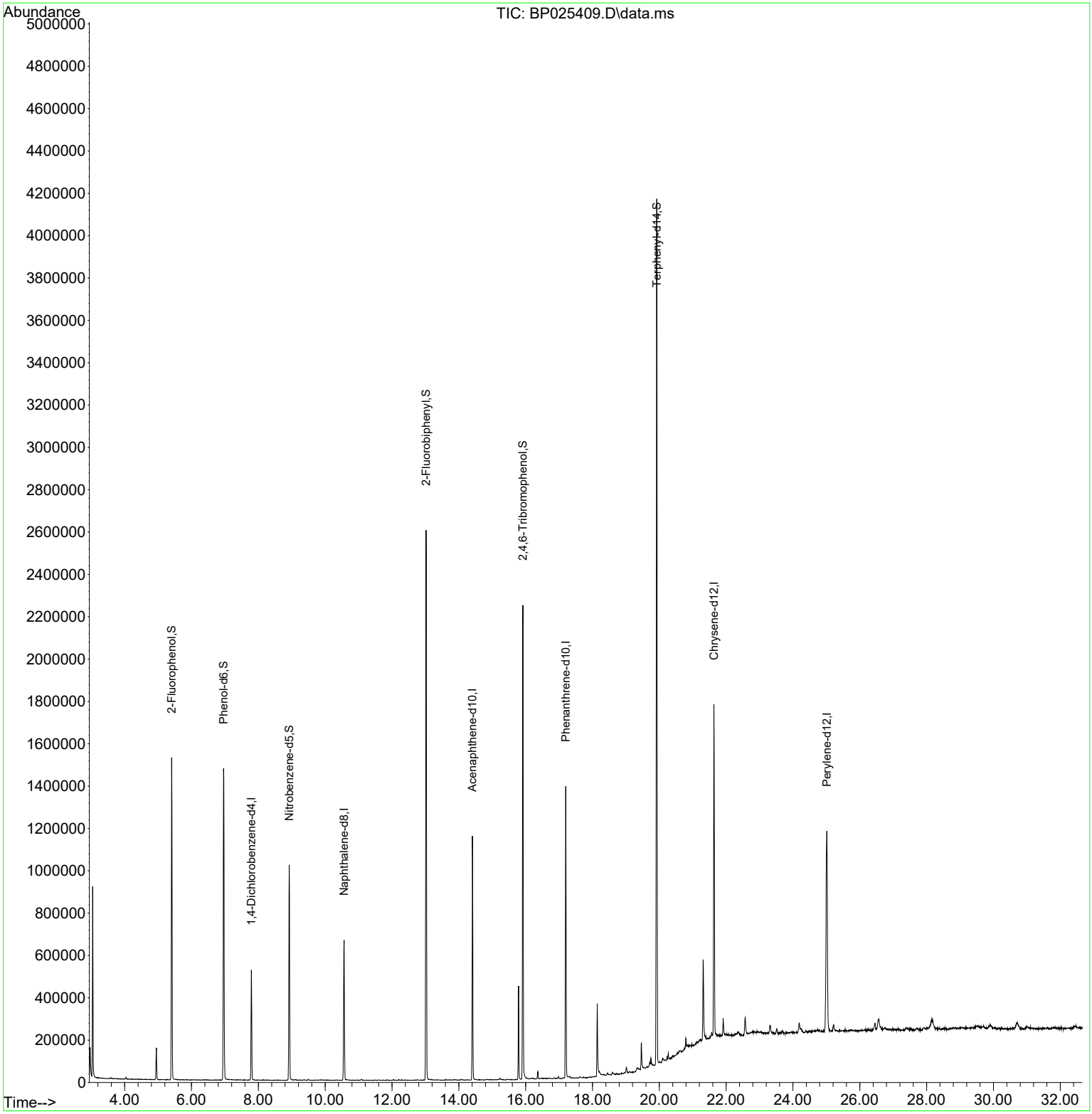
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	139243	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	559685	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	367909	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	771236	20.000	ng	0.00
76) Chrysene-d12	21.636	240	900414	20.000	ng	-0.01
86) Perylene-d12	25.012	264	1009835	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	677702	80.827	ng	0.00
7) Phenol-d6	6.960	99	882898	82.132	ng	0.00
23) Nitrobenzene-d5	8.925	82	558462	50.475	ng	-0.01
42) 2,4,6-Tribromophenol	15.918	330	429157	86.662	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1374108	51.044	ng	0.00
79) Terphenyl-d14	19.924	244	2473450	50.259	ng	0.00
Target Compounds						Qvalue

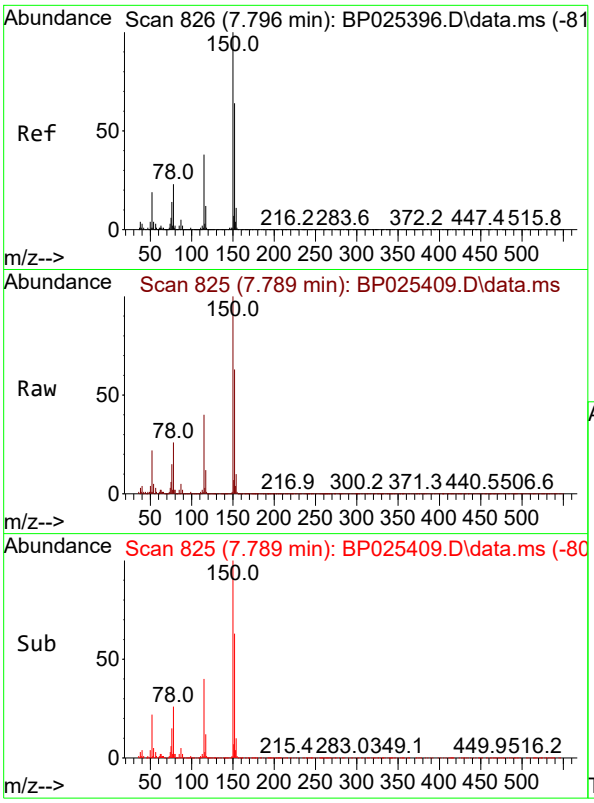
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Time: Aug 15 05:03:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



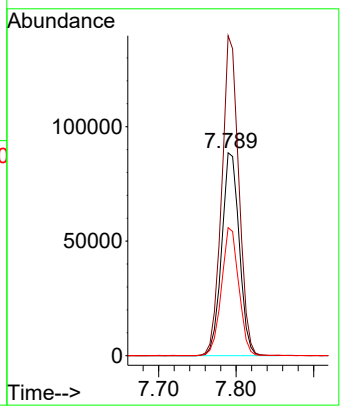


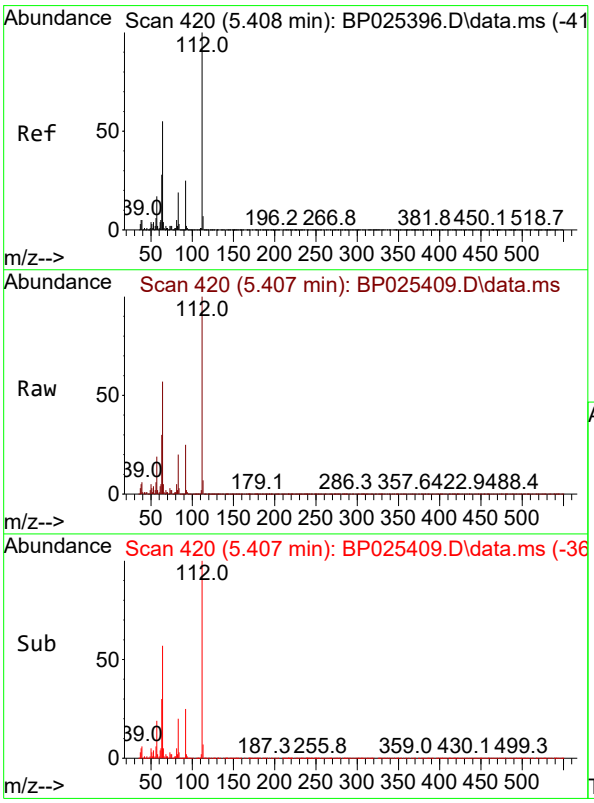
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.789 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion:152 Resp: 139243

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	63.1	48.5	72.7

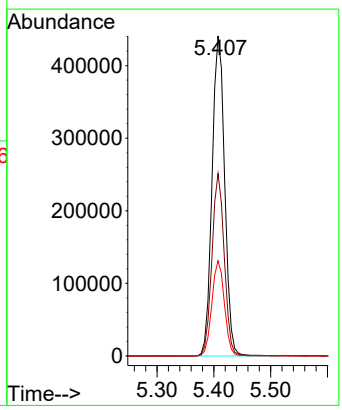


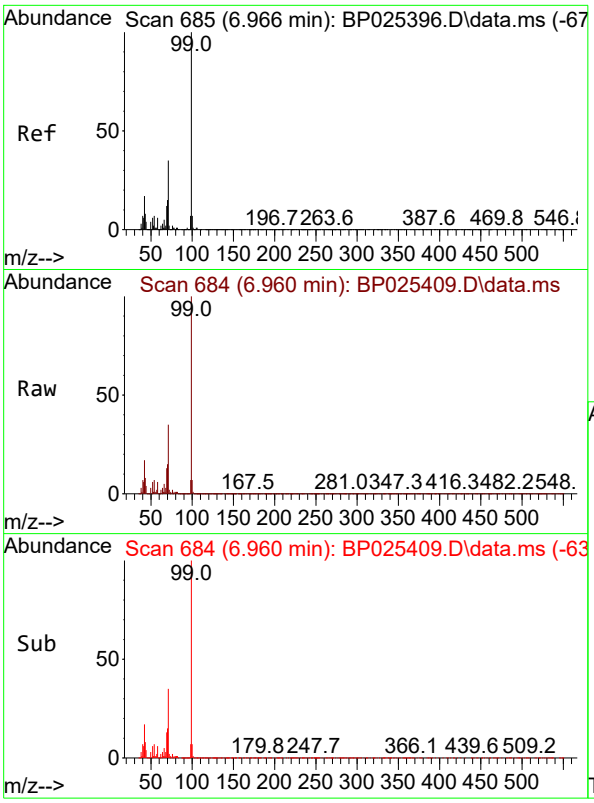


#5
2-Fluorophenol
Concen: 80.827 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:112 Resp: 677702

Ion	Ratio	Lower	Upper
112	100		
64	57.0	43.8	65.8
63	29.7	22.7	34.1



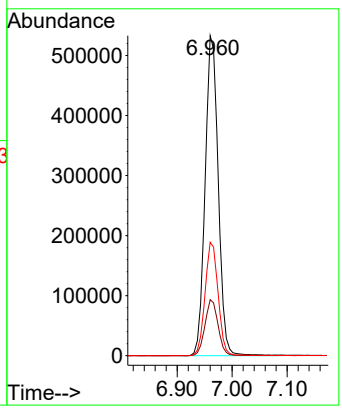


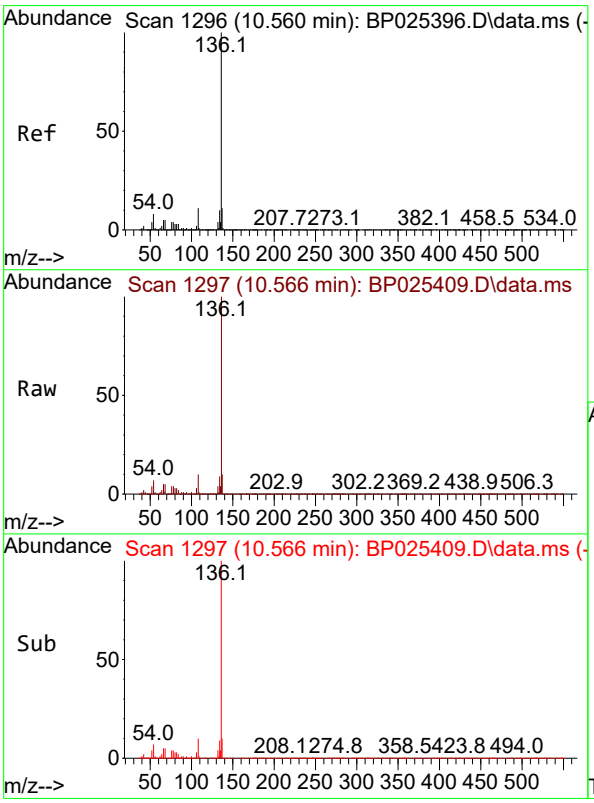
#7
Phenol-d6
Concen: 82.132 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion: 99 Resp: 882898

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.7	20.5
71	35.5	28.2	42.4

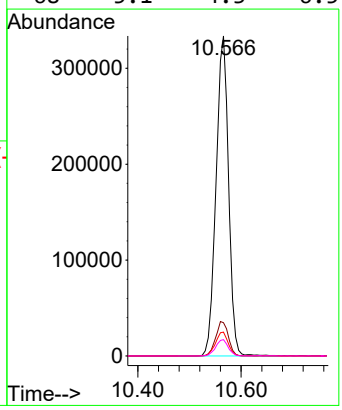


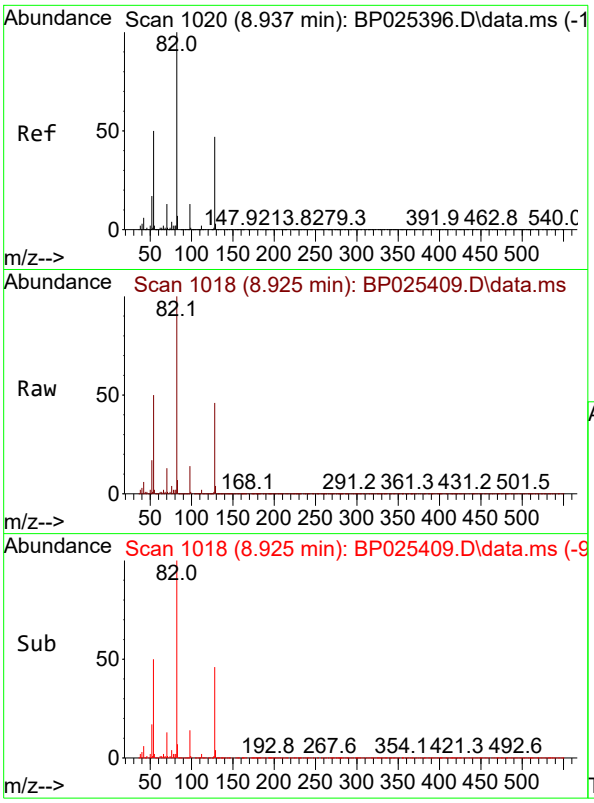


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:136 Resp: 559685

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5



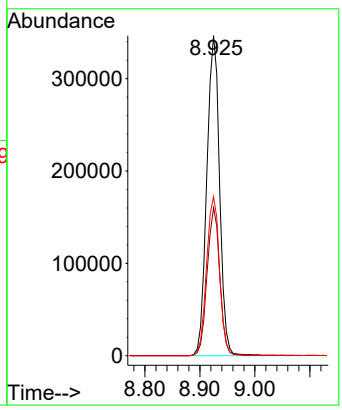


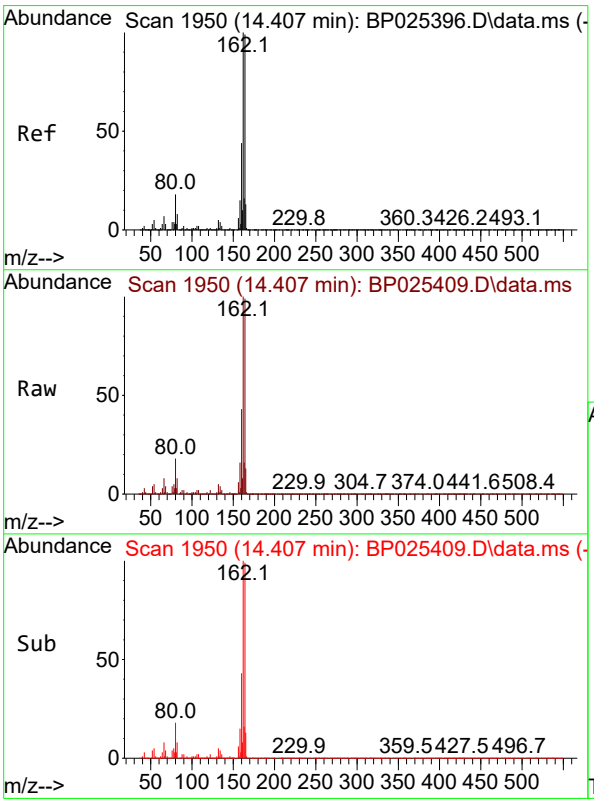
#23
Nitrobenzene-d5
Concen: 50.475 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion: 82 Resp: 558462

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	49.6	39.8	59.6

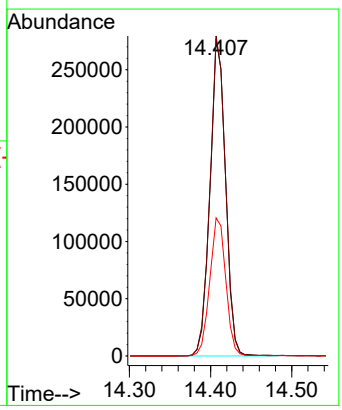


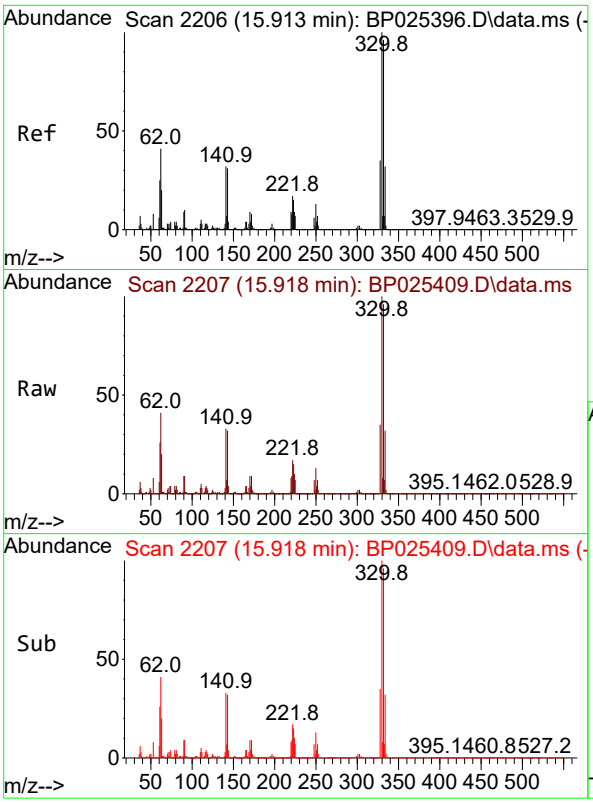


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:164 Resp: 367909

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.0	121.6
160	43.5	35.4	53.2



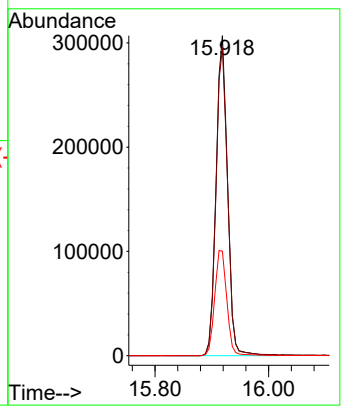


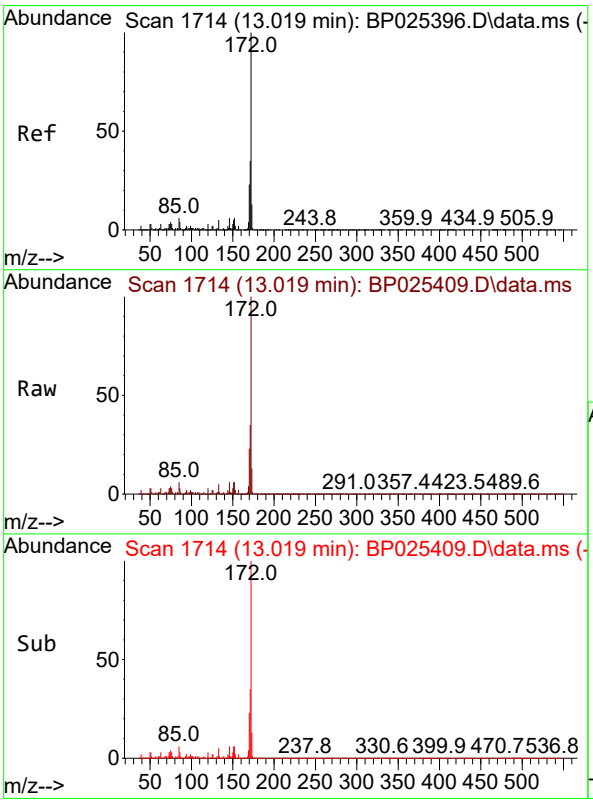
#42
2,4,6-Tribromophenol
Concen: 86.662 ng
RT: 15.918 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion:330 Resp: 429157

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	34.8	26.6	39.8

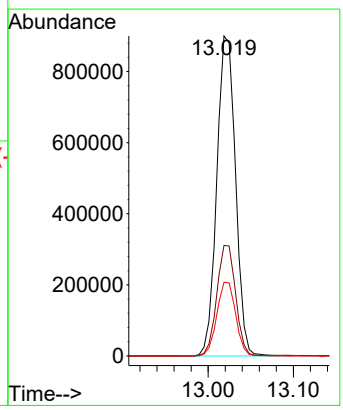


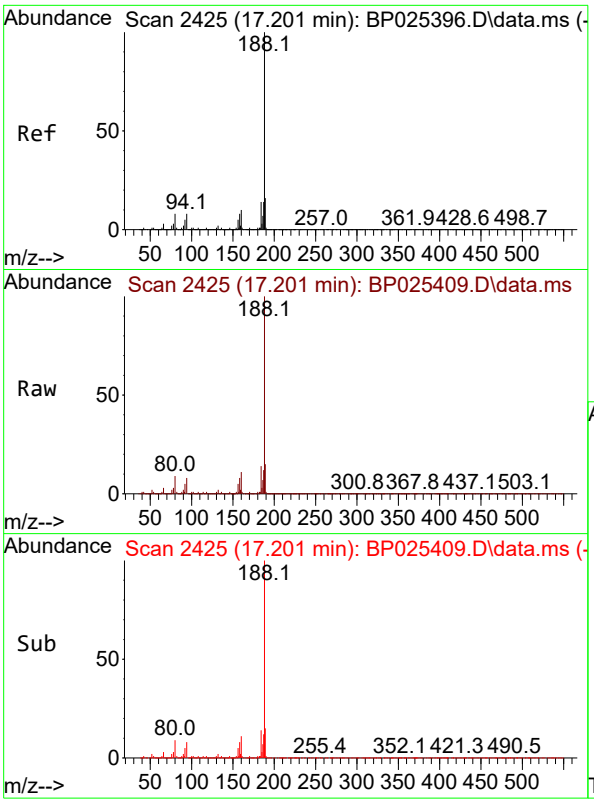


#45
2-Fluorobiphenyl
Concen: 51.044 ng
RT: 13.019 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:172 Resp: 1374108

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	23.1	18.6	28.0



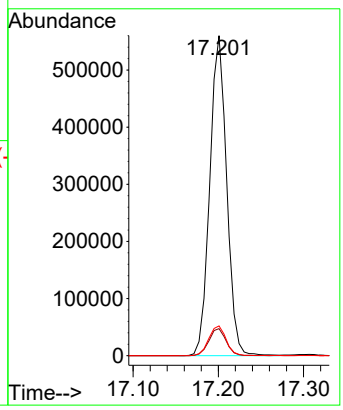


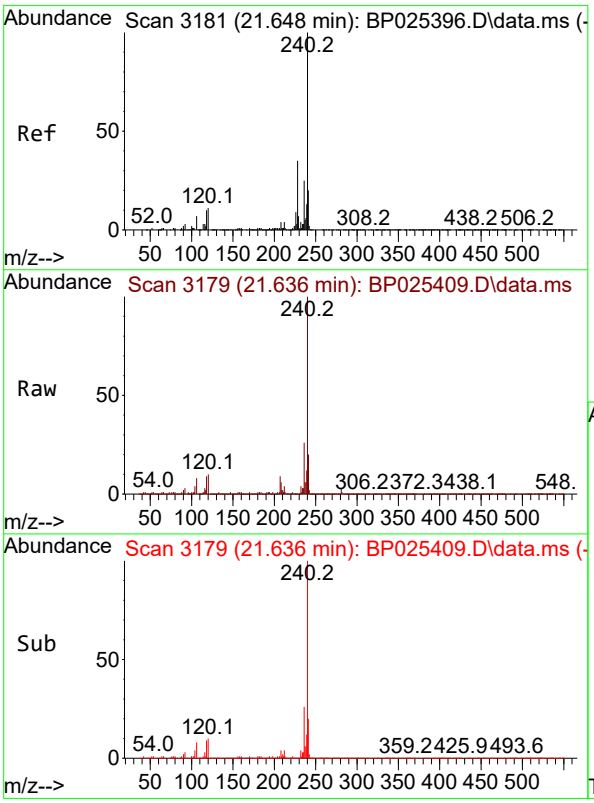
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion:188 Resp: 771236

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

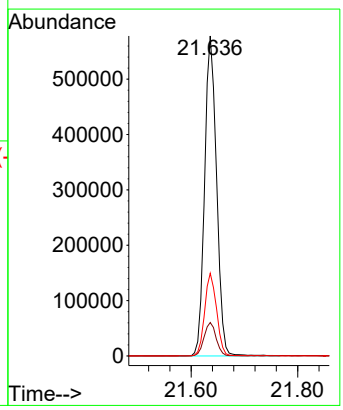


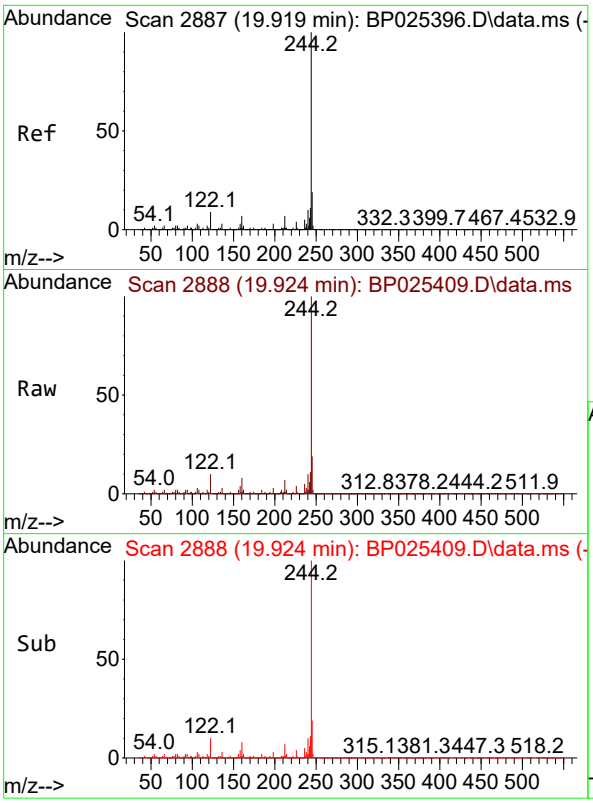


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:240 Resp: 900414

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.8	19.8	29.8



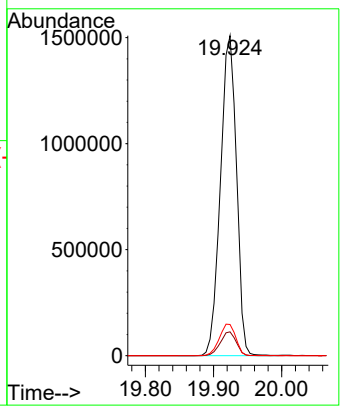


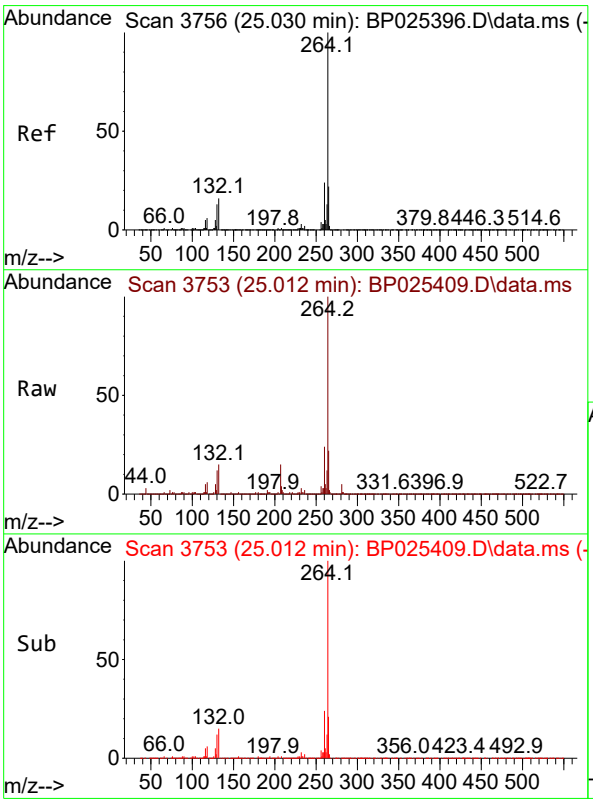
#79
Terphenyl-d14
Concen: 50.259 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Instrument :
BNA_P
ClientSampleId :
10PC-W

Tgt Ion:244 Resp: 2473450

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.8	7.4	11.2

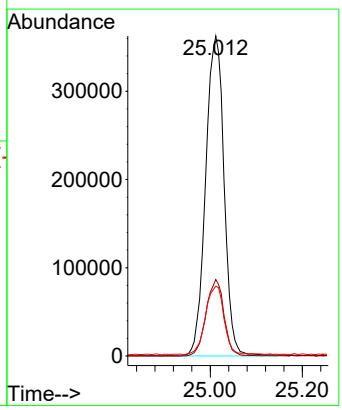




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025409.D
Acq: 15 Aug 2025 01:41

Tgt Ion:264 Resp: 1009835

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.8	17.4	26.0



Sample Results: **BP025409.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025409.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.966	3	5	13	rVB2	135385	177934	2.65%	0.520%
2	3.043	13	18	31	rVB	901877	1055805	15.70%	3.083%
3	4.948	337	342	350	rVB	149699	204144	3.04%	0.596%
4	5.407	413	420	431	rBV	1522515	2317213	34.45%	6.767%
5	6.960	676	684	695	rBV	1471780	2474425	36.79%	7.226%
6	7.789	818	825	833	rBV	519189	806949	12.00%	2.356%
7	8.925	1010	1018	1033	rBV	1016019	1646666	24.48%	4.809%
8	10.566	1288	1297	1307	rBV	661158	1123371	16.70%	3.280%
9	13.019	1707	1714	1725	rBV	2597609	3959179	58.87%	11.561%
10	14.407	1942	1950	1957	rBV	1153317	1553819	23.10%	4.537%
11	15.789	2179	2185	2195	rBV	441955	577404	8.59%	1.686%
12	15.918	2200	2207	2224	rBV	2238811	3265901	48.56%	9.537%
13	17.201	2419	2425	2436	rBV	1377259	1927994	28.67%	5.630%
14	18.142	2580	2585	2594	rBV	344354	527694	7.85%	1.541%
15	19.465	2805	2810	2819	rBV	124754	207264	3.08%	0.605%
16	19.924	2880	2888	2898	rBV	4090997	6725556	100.00%	19.640%
17	21.312	3119	3124	3135	rBV2	376461	644840	9.59%	1.883%
18	21.636	3173	3179	3187	rBV	1560914	2426656	36.08%	7.086%
19	25.012	3744	3753	3765	rVB2	941235	2622015	38.99%	7.657%

Sum of corrected areas: 34244829

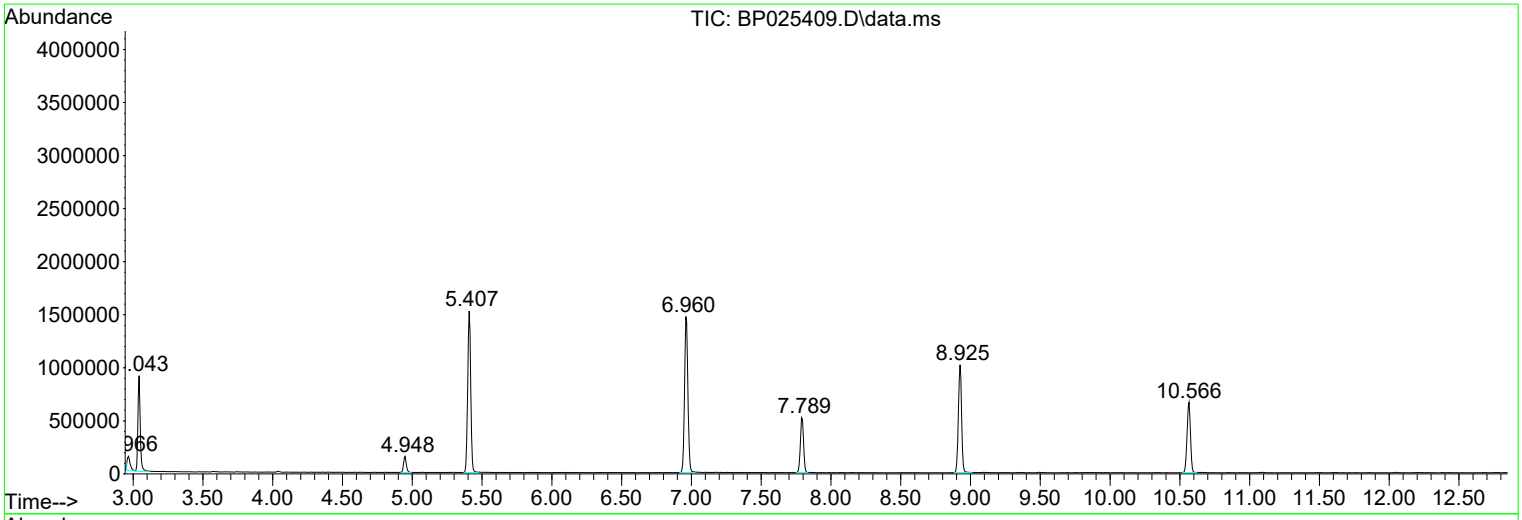
Sample Results: **BP025409.D**

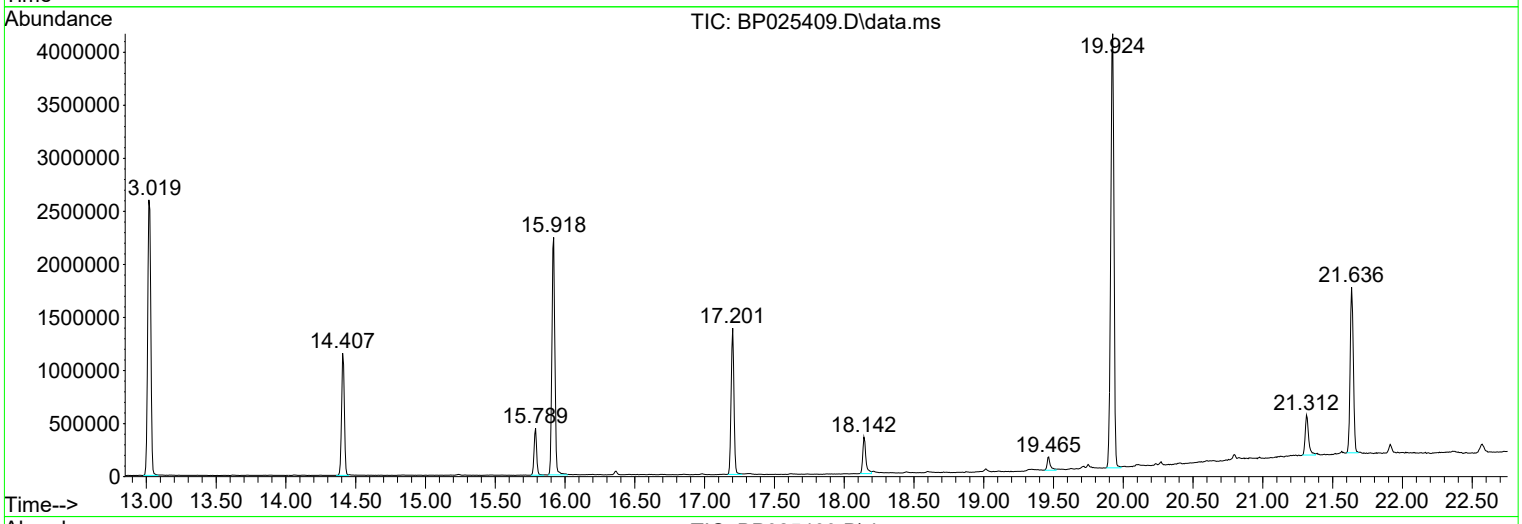
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

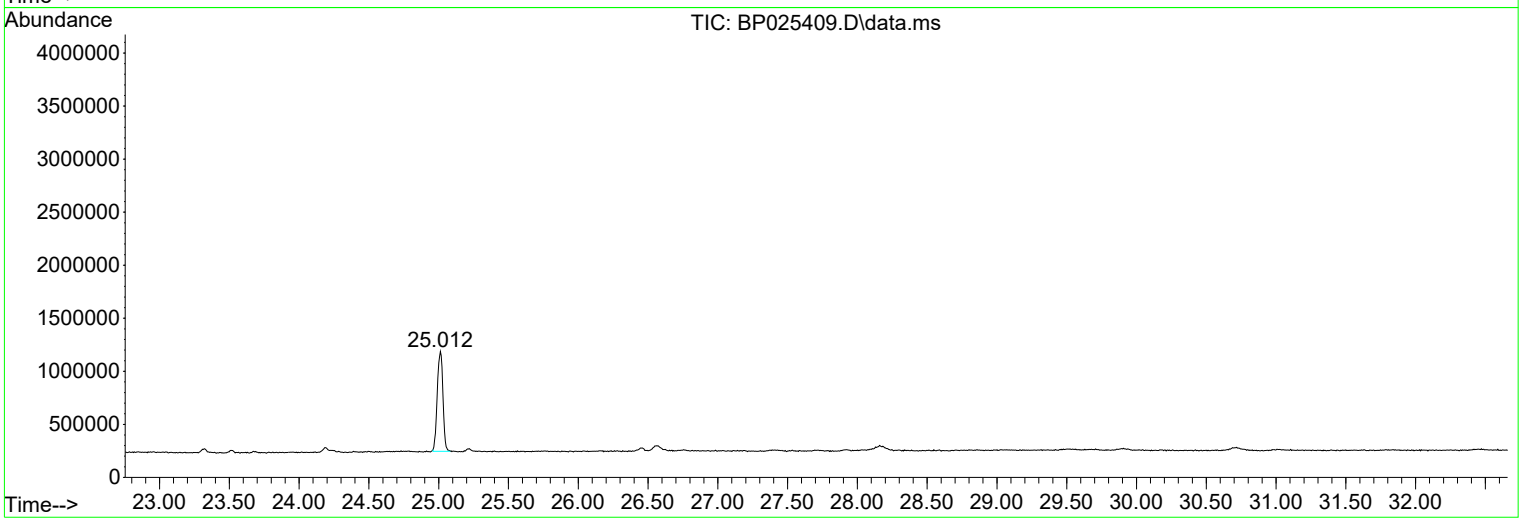
Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

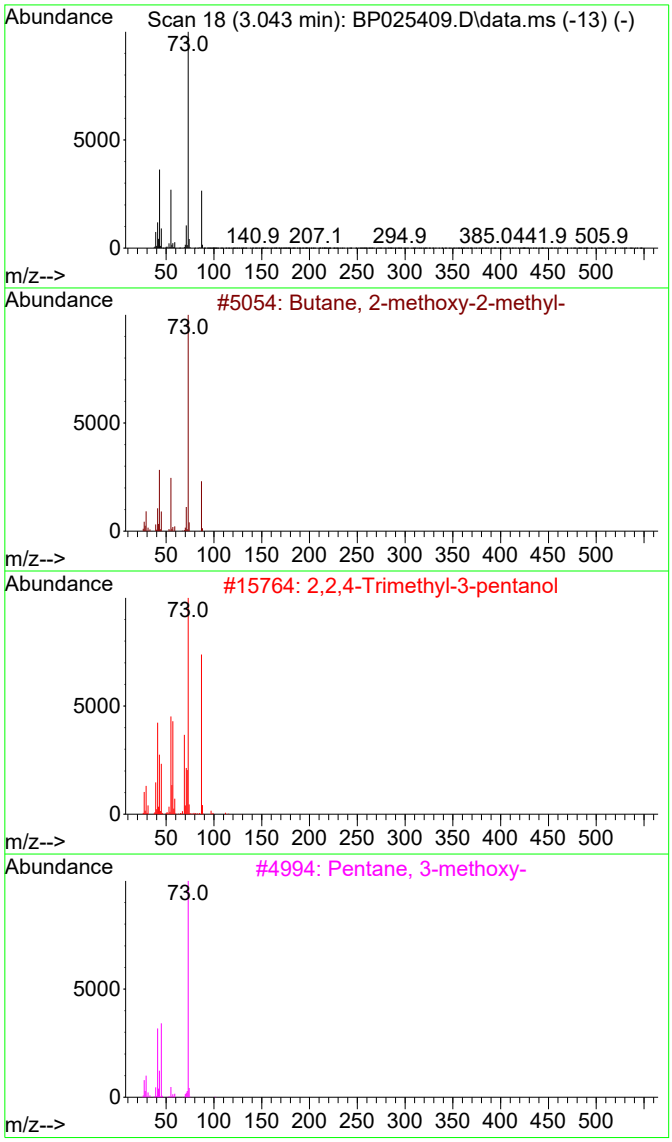
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

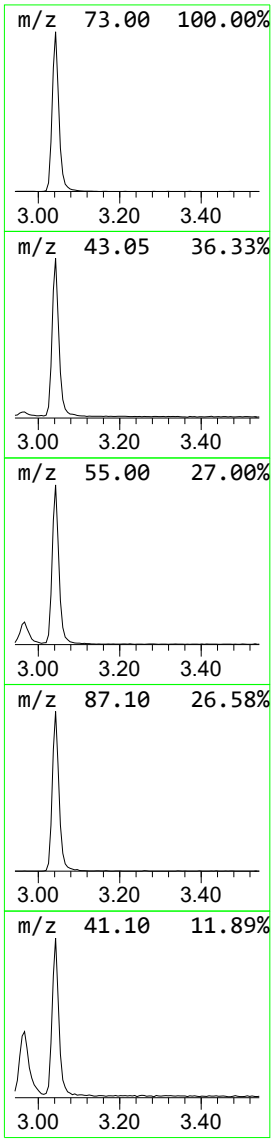
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	26.17 ng	1055810	1,4-Dichlorobenzene-d4	7.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

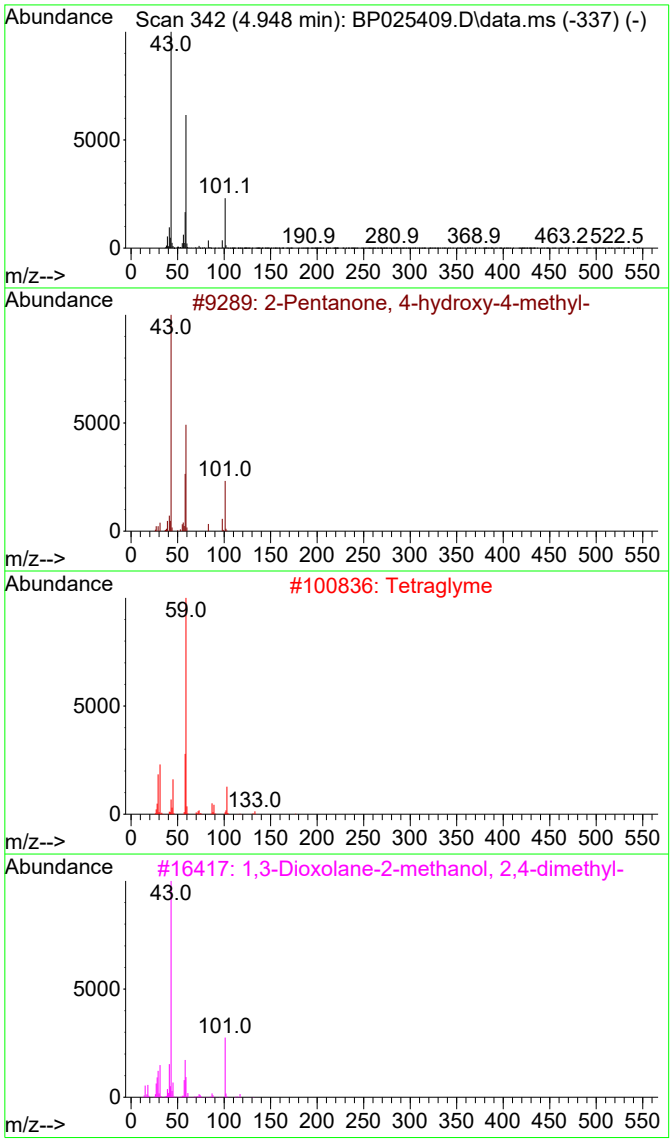
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

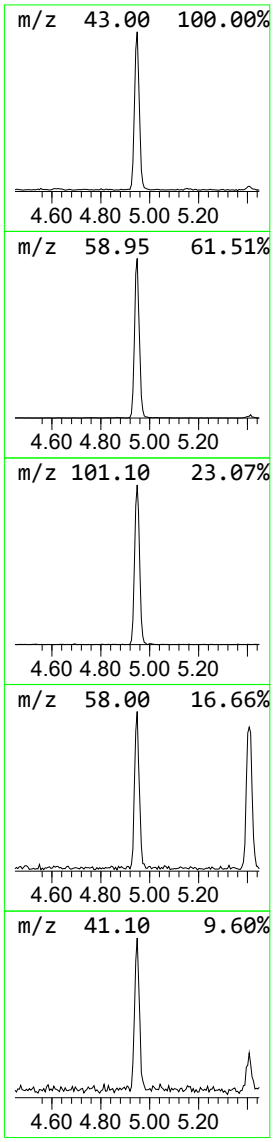
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.948	5.06 ng	204144	1,4-Dichlorobenzene-d4	7.789

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Tetraglyme	222	C10H22O5	000143-24-8	25
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	23
4	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





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Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

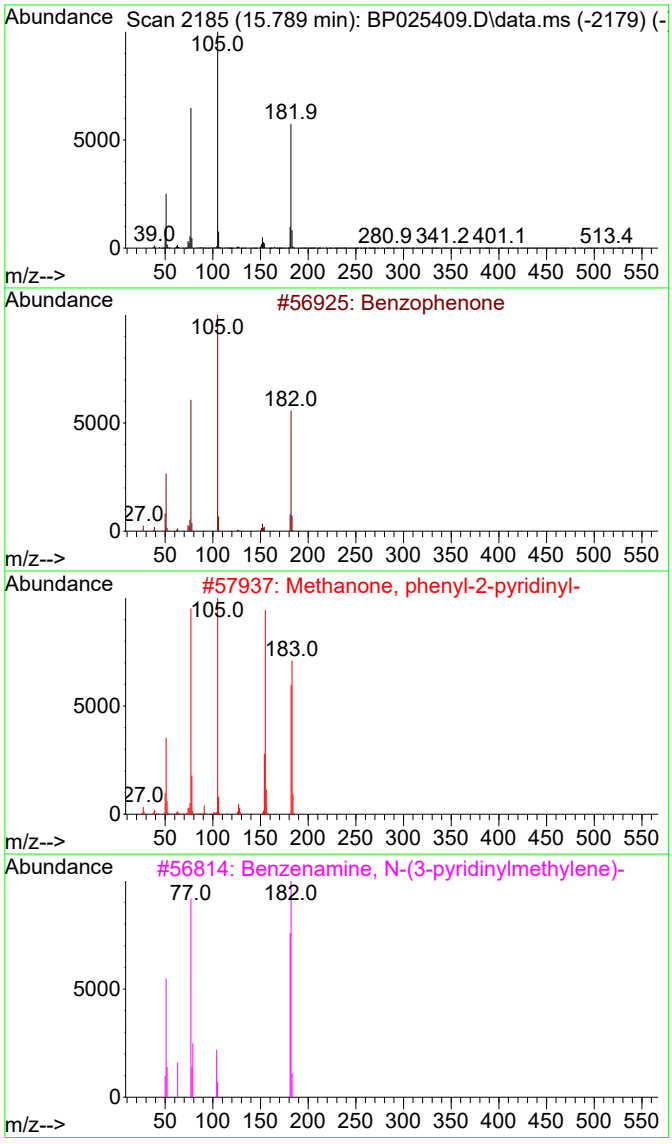
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

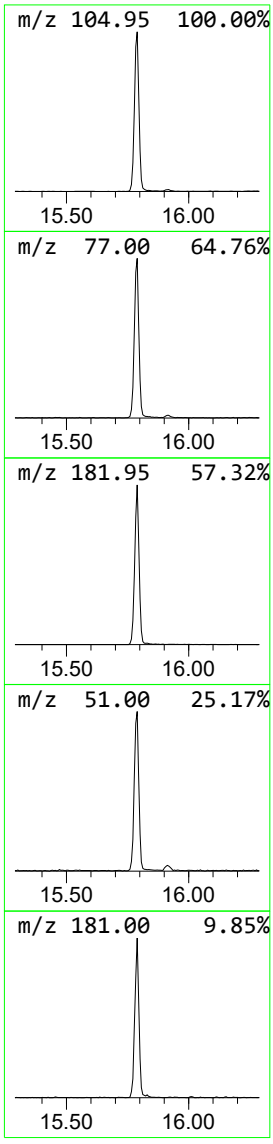
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.789	7.43 ng	577404	Acenaphthene-d10	14.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
4	Azobenzene	182	C12H10N2	000103-33-3	42
5	3-Mercaptobenzoic acid, S-methyl...	182	C9H10O2S	090721-40-7	27





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On    : 15 Aug 2025  01:41
Operator  : CG/JU
Sample    : Q2820-11
Misc      :
ALS Vial  : 19   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

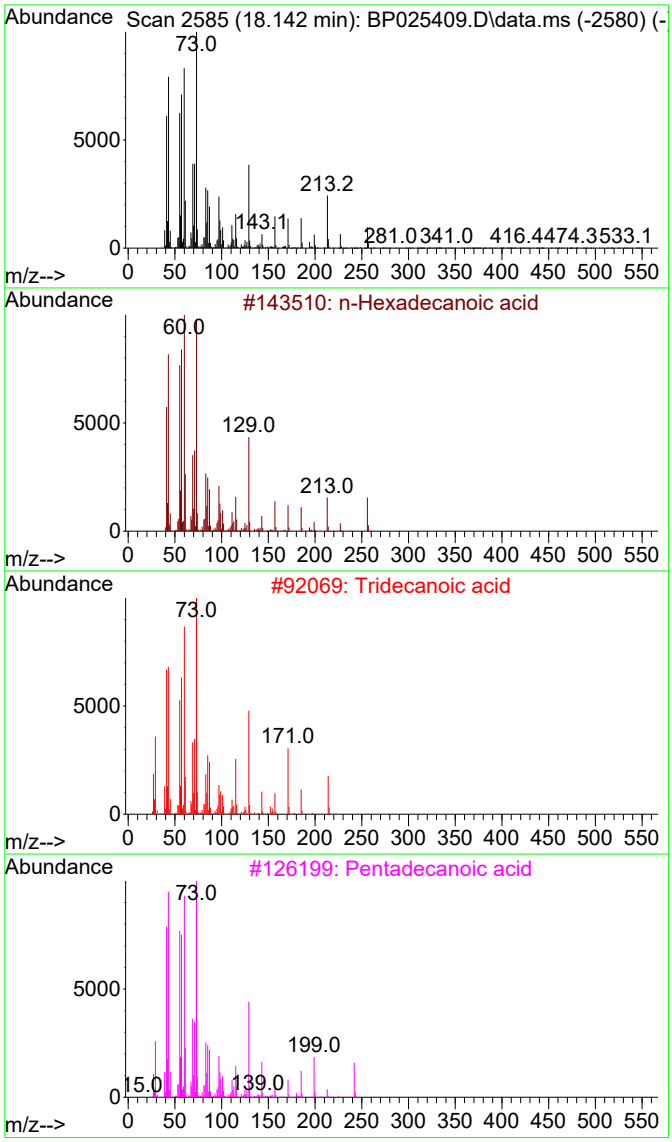
Instrument :
BNA_P
ClientSampleId :
10PC-W

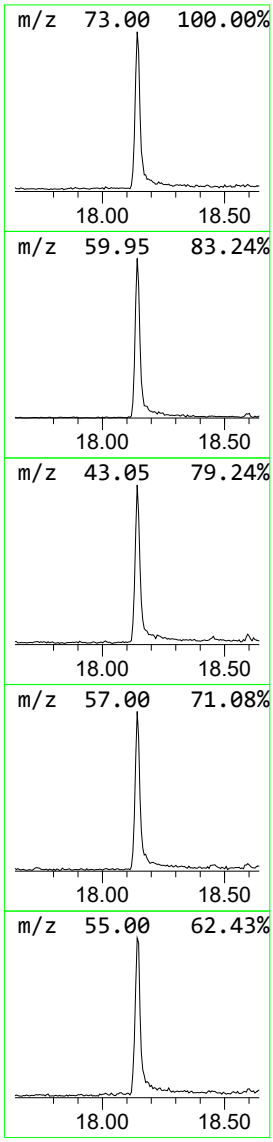
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	5.47 ng	527694	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

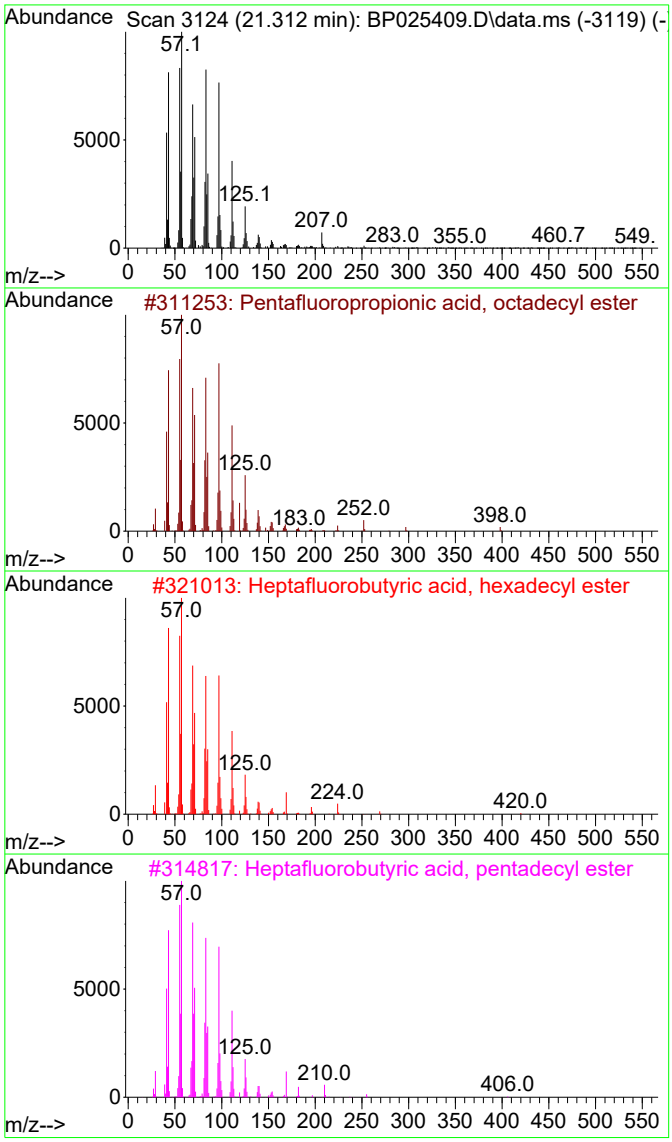
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

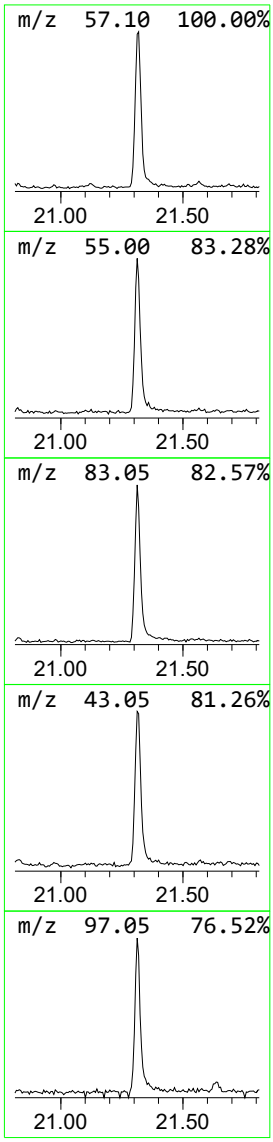
****

Peak Number 6 Pentafluoropropionic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.312	5.31 ng	644840	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	94
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025409.D
Acq On : 15 Aug 2025 01:41
Operator : CG/JU
Sample : Q2820-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10PC-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	26.2	ng	1055810	1	7.789	806949	20.0
2-Pentanone, 4-...	4.948	5.1	ng	204144	1	7.789	806949	20.0
Benzophenone	15.789	7.4	ng	577404	3	14.407	1553820	20.0
n-Hexadecanoic ...	18.142	5.5	ng	527694	4	17.201	1927990	20.0
Pentafluoroprop...	21.312	5.3	ng	644840	5	21.636	2426660	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	24.0	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.5	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.5	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.7	140	180	ug/Kg
98-86-2	Acetophenone	140	U	32.0	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.6	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.8	U	51.4	86.8	86.8	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.9	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.2	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.3	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.7	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.5	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.6	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.2	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.4	140	180	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.9	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.4	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.0	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.7	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.2	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.5	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.9	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.7	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.7	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.0	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.6	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.1	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.5	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.8	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.0	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.2	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.0	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.1	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.4		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	87.0		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.8		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.3		44 - 115		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.4		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	61.6		54 - 127		62%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	116000	6.928				
1146-65-2	Naphthalene-d8	448000	8.204				
15067-26-2	Acenaphthene-d10	238000	9.963				
1517-22-2	Phenanthrene-d10	358000	11.451				
1719-03-5	Chrysene-d12	211000	14.092				
1520-96-3	Perylene-d12	256000	15.592				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB			5.16	ug/Kg
000119-61-9	Benzophenone	240	J			10.7	ug/Kg
000629-94-7	Heneicosane	79.6	J			16.1	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Time: Aug 21 11:46:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

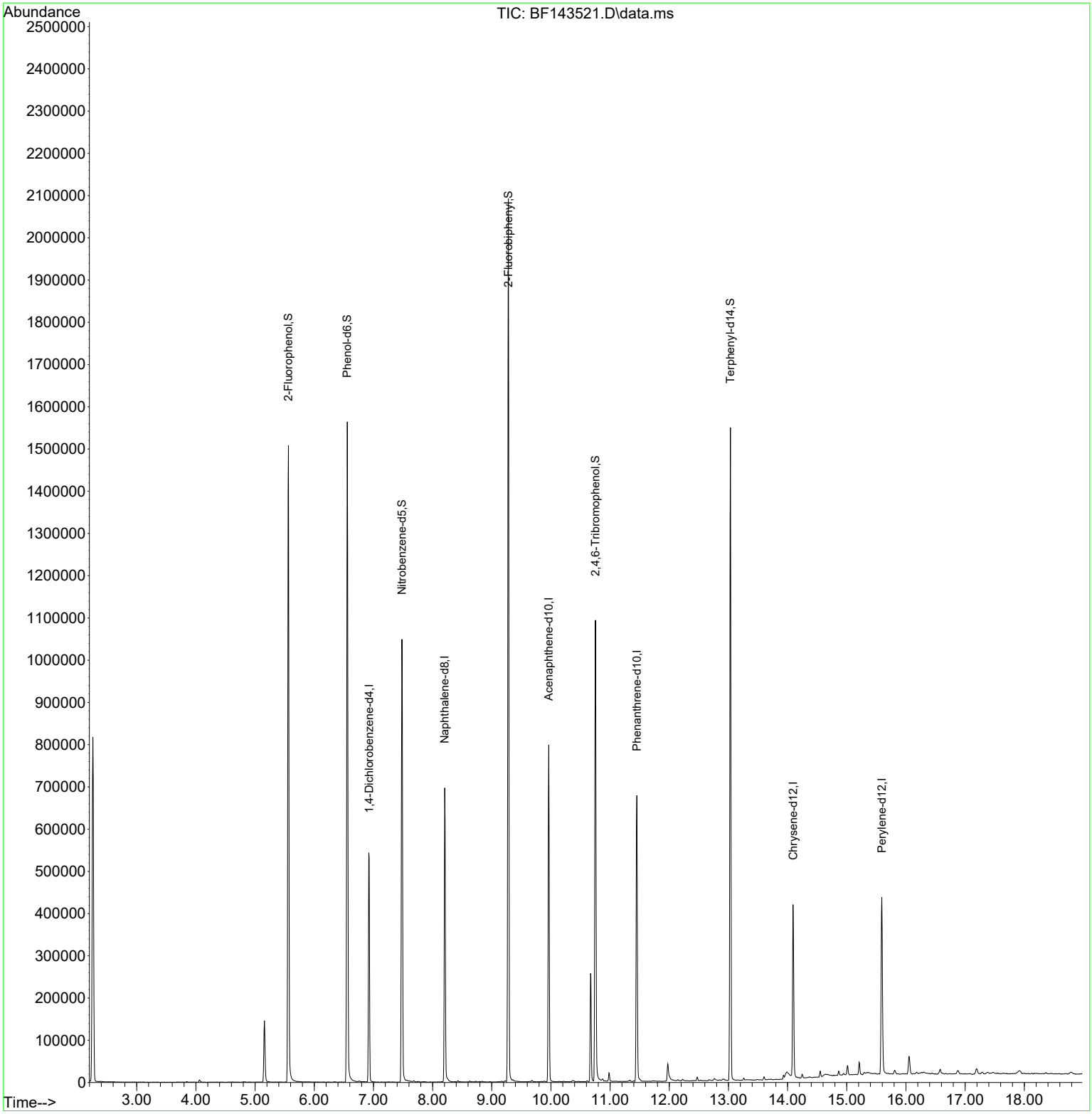
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	116094	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	448316	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	237829	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	358470	20.000	ng	0.00
76) Chrysene-d12	14.092	240	210726	20.000	ng	-0.01
86) Perylene-d12	15.592	264	255976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	561340	84.431	ng	0.00
7) Phenol-d6	6.557	99	713706	86.960	ng	-0.02
23) Nitrobenzene-d5	7.481	82	467135	60.804	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	193431	87.374	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	911361	63.330	ng	0.00
79) Terphenyl-d14	13.033	244	743481	61.568	ng	0.00
Target Compounds						Qvalue

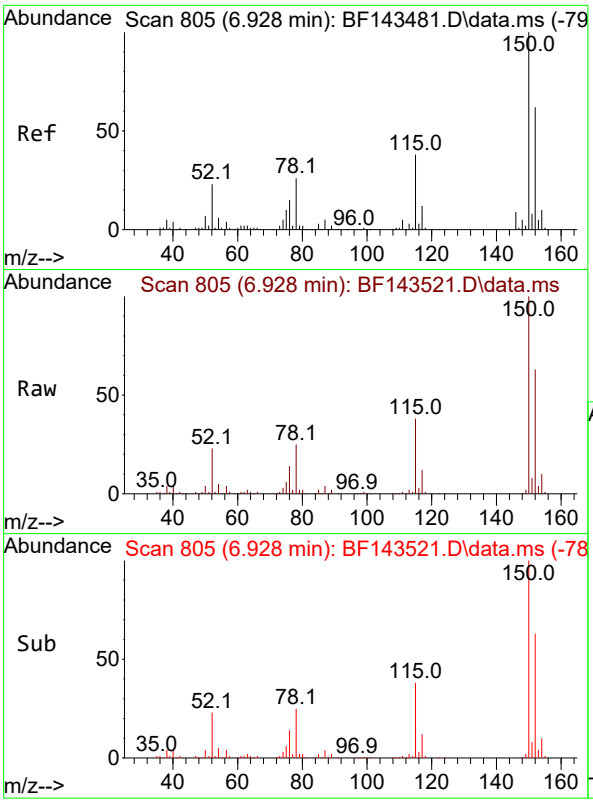
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Time: Aug 21 11:46:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



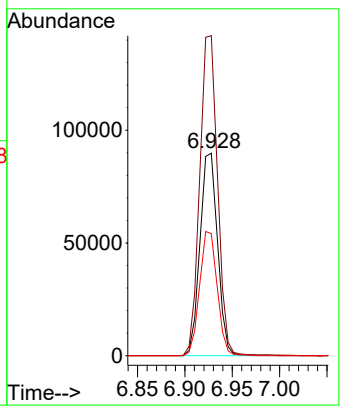


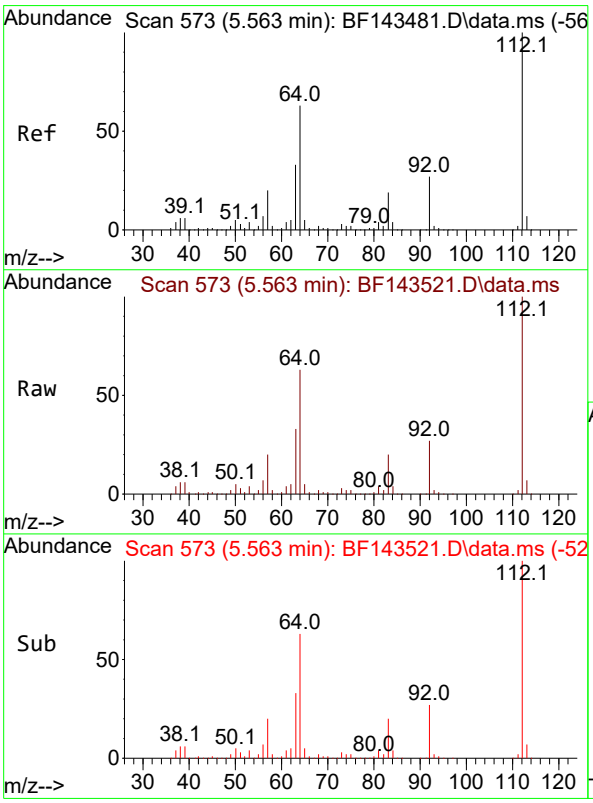
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion:152 Resp: 116094

Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.9	193.3
115	60.3	49.2	73.8

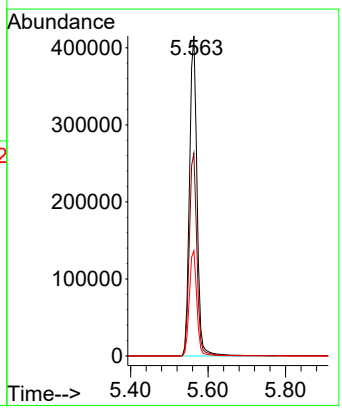


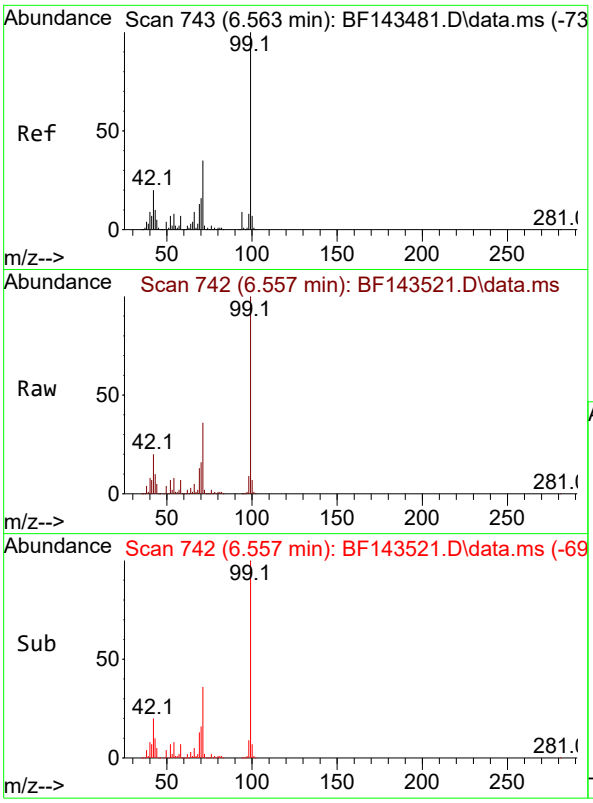


#5
2-Fluorophenol
Concen: 84.431 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:112 Resp: 561340

Ion	Ratio	Lower	Upper
112	100		
64	63.3	50.4	75.6
63	32.8	26.4	39.6



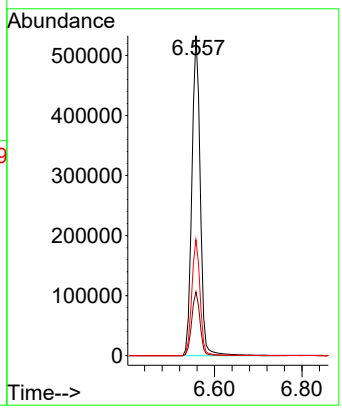


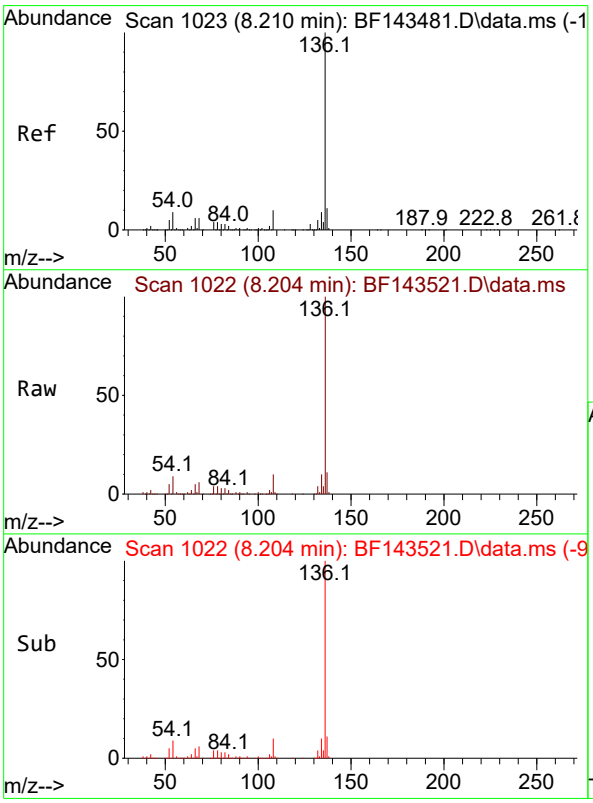
#7
Phenol-d6
Concen: 86.960 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion: 99 Resp: 713706

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.3	24.5
71	36.2	28.2	42.2

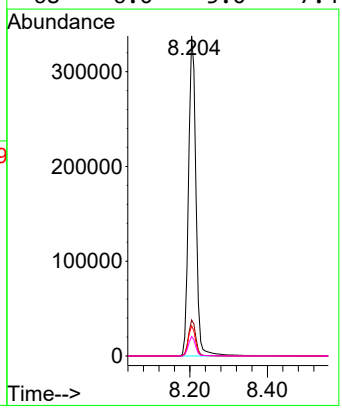


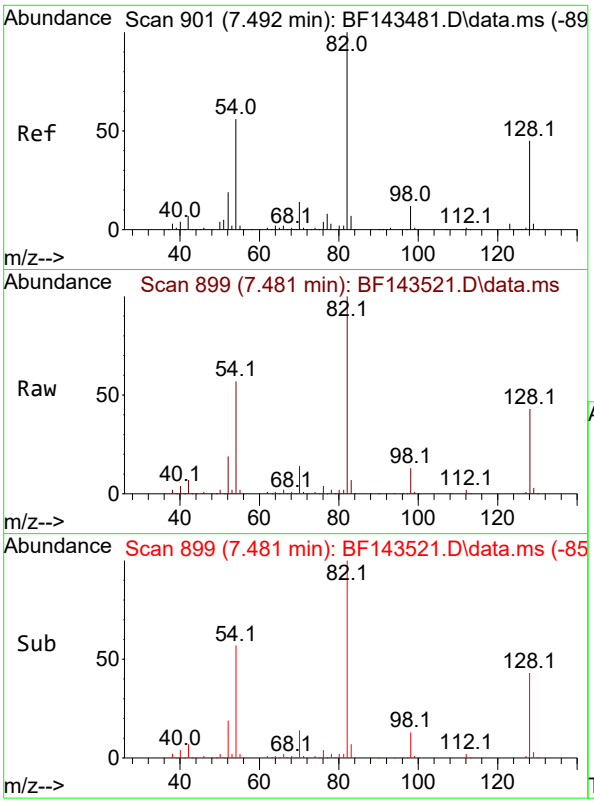


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:136 Resp: 448316

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.4	7.4	11.2
68	6.0	5.0	7.4



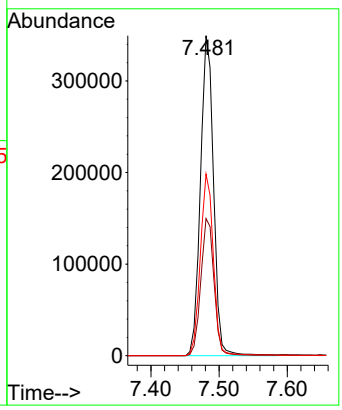


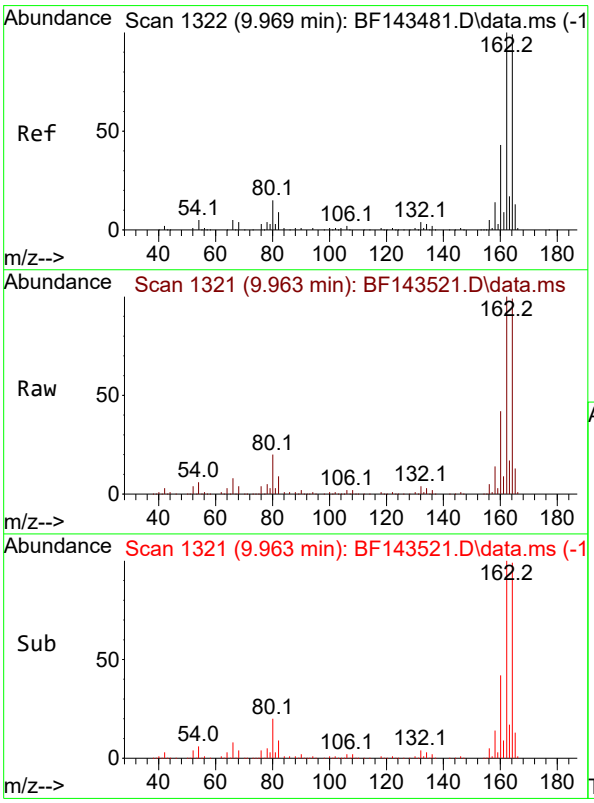
#23
Nitrobenzene-d5
Concen: 60.804 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion: 82 Resp: 467135

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	56.8	44.3	66.5

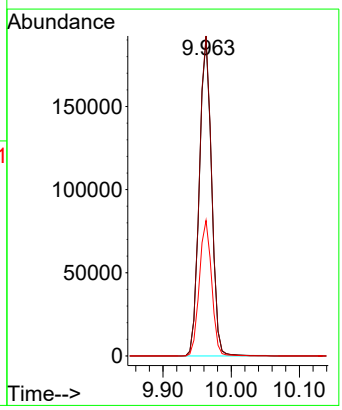


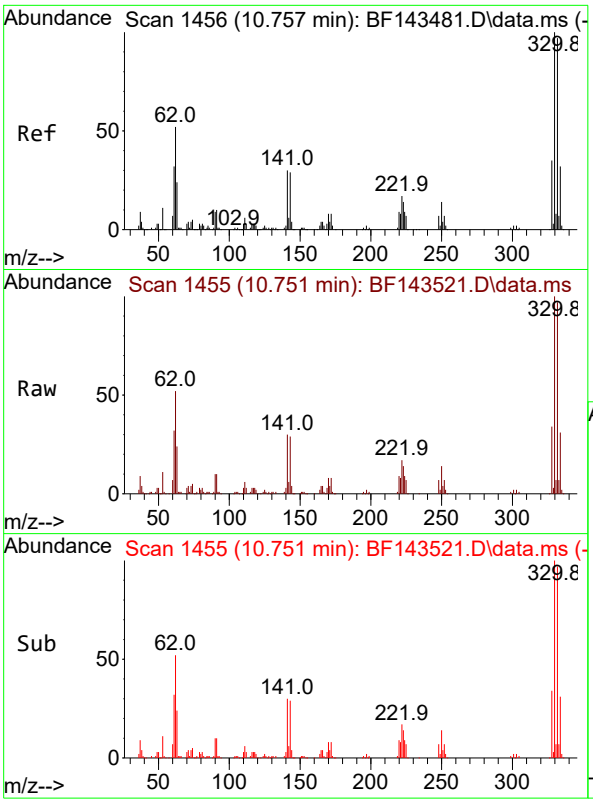


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:164 Resp: 237829

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.5	120.7
160	42.8	34.3	51.5



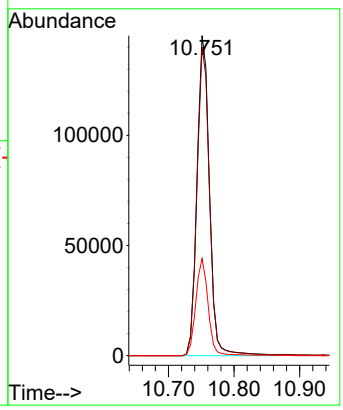


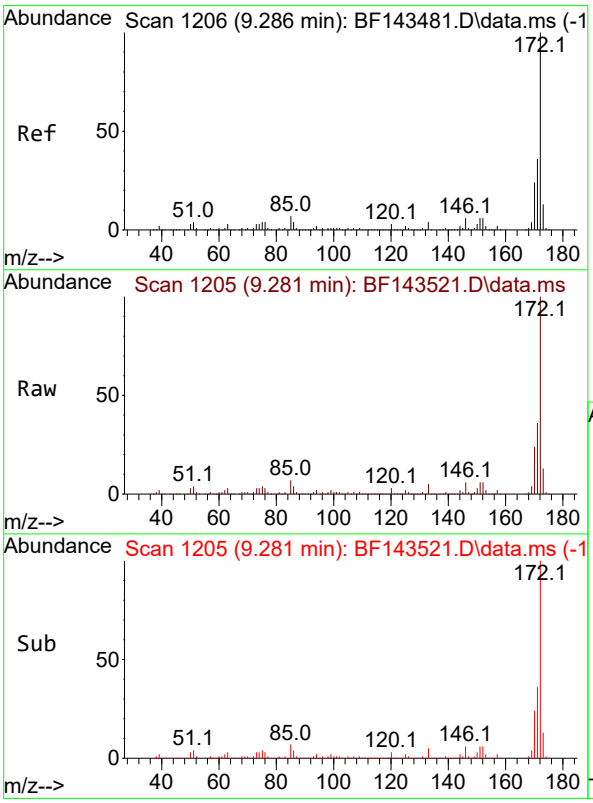
#42
2,4,6-Tribromophenol
Concen: 87.374 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion:330 Resp: 193431

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.0	117.0
141	30.3	23.7	35.5

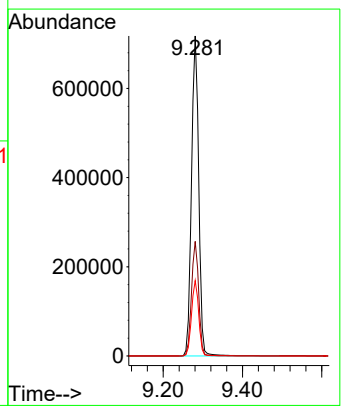


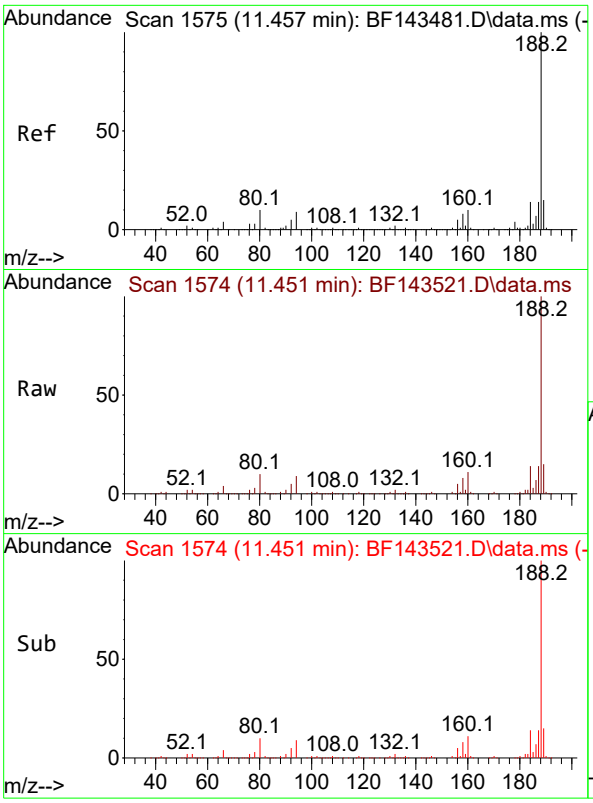


#45
2-Fluorobiphenyl
Concen: 63.330 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:172 Resp: 911361

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.6	18.8	28.2



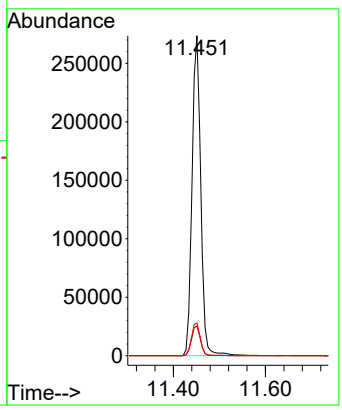


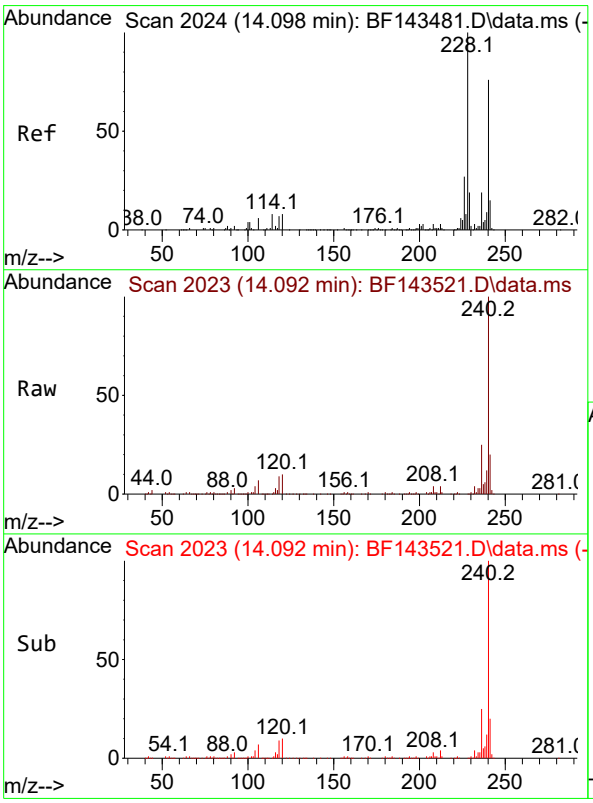
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion:188 Resp: 358470

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.3	8.2	12.4

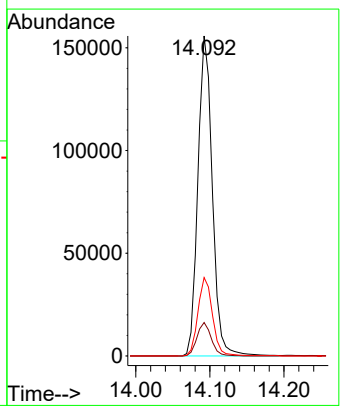


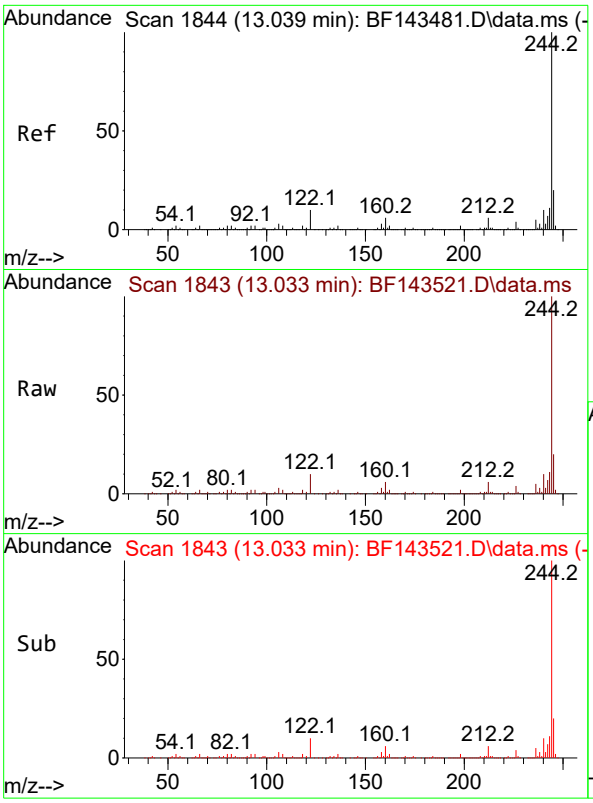


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:240 Resp: 210726

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	12.8
236	24.5	20.4	30.6



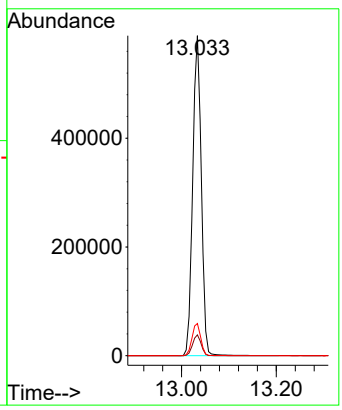


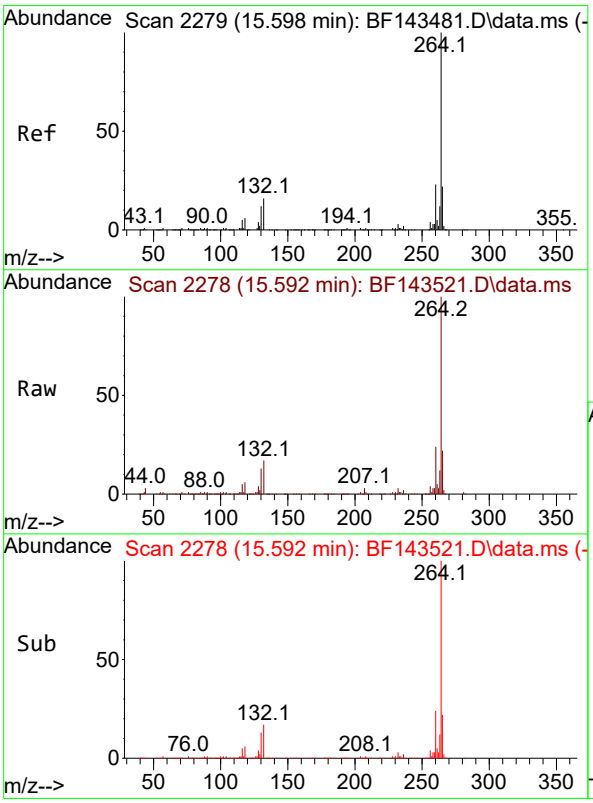
#79
Terphenyl-d14
Concen: 61.568 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Instrument :
BNA_F
ClientSampleId :
10PC-S

Tgt Ion:244 Resp: 743481

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.0	7.9	11.9

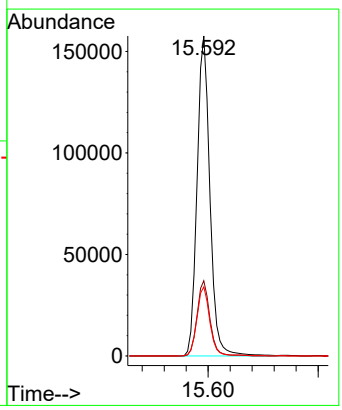




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143521.D
Acq: 21 Aug 2025 10:49

Tgt Ion:264 Resp: 255976

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.6	26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143521.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.258	4	11	23	rVB	815298	1277544	48.75%	6.966%
2	5.157	496	504	513	rBV	145097	215372	8.22%	1.174%
3	5.563	567	573	598	rBV	1506764	2037748	77.75%	11.111%
4	6.557	736	742	767	rBV	1563422	2095068	79.94%	11.423%
5	6.922	799	804	813	rBV	542523	696855	26.59%	3.800%
6	7.481	893	899	911	rBV	1048451	1398566	53.36%	7.626%
7	8.204	1017	1022	1040	rBV	695934	910204	34.73%	4.963%
8	9.281	1199	1205	1210	rBV	2090341	2620816	100.00%	14.290%
9	9.963	1316	1321	1341	rVB	797568	997610	38.06%	5.439%
10	10.669	1436	1441	1450	rBV	256197	333715	12.73%	1.820%
11	10.751	1450	1455	1470	rVV	1091148	1427873	54.48%	7.785%
12	11.451	1569	1574	1589	rBV	676851	882155	33.66%	4.810%
13	11.975	1658	1663	1677	rBV2	40419	82861	3.16%	0.452%
14	13.033	1837	1843	1848	rBV	1545809	1942829	74.13%	10.593%
15	13.986	1998	2005	2016	rBV10	12342	49415	1.89%	0.269%
16	14.092	2018	2023	2034	rVB	408922	545522	20.81%	2.974%
17	15.016	2175	2180	2186	rVB2	21710	31630	1.21%	0.172%
18	15.210	2209	2213	2219	rBV	28499	39038	1.49%	0.213%
19	15.592	2272	2278	2294	rBV	418858	680946	25.98%	3.713%
20	16.051	2351	2356	2366	rVB	41739	74782	2.85%	0.408%

Sum of corrected areas: 18340549

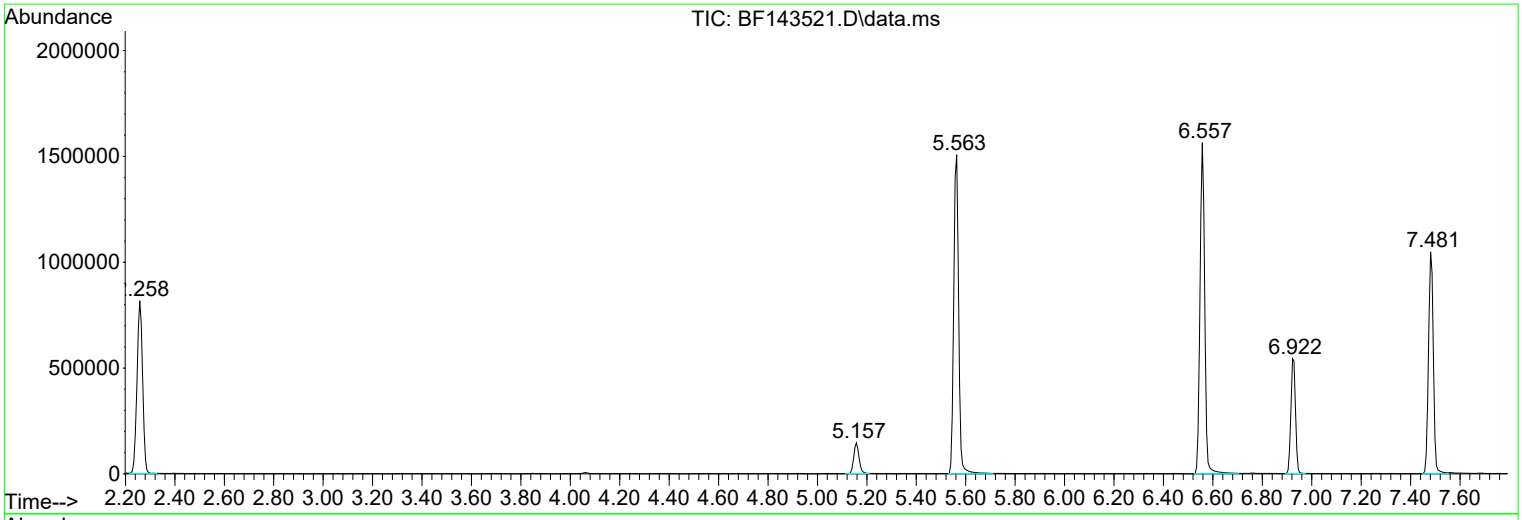
Sample Results: **BF143521.D**

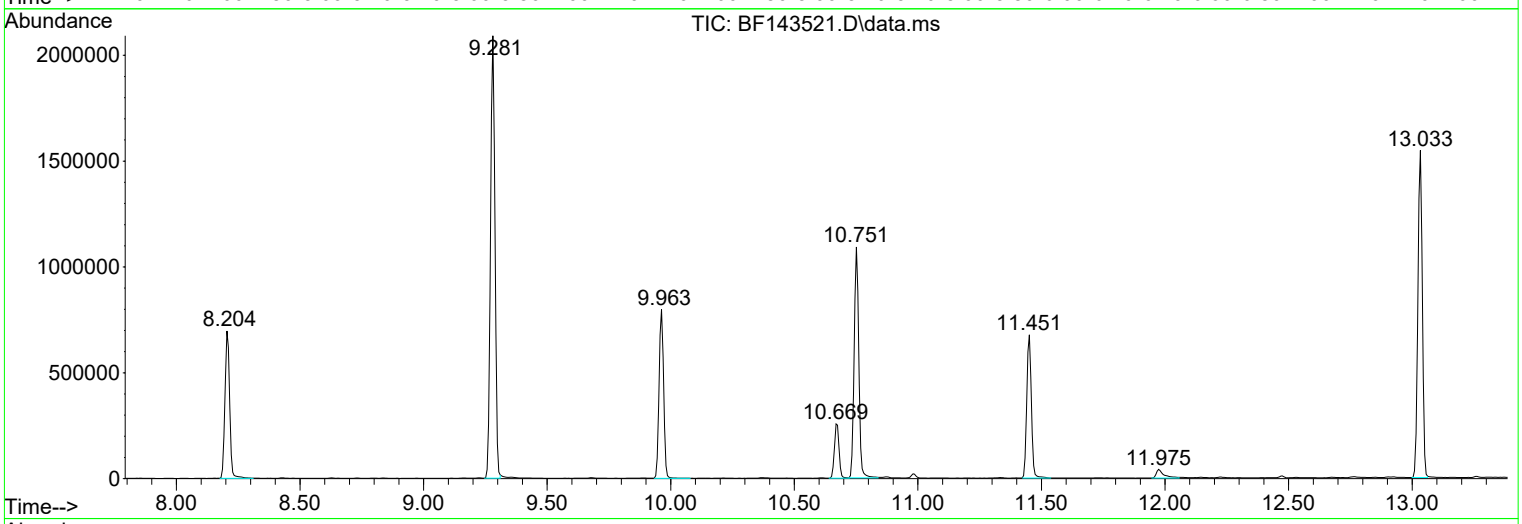
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

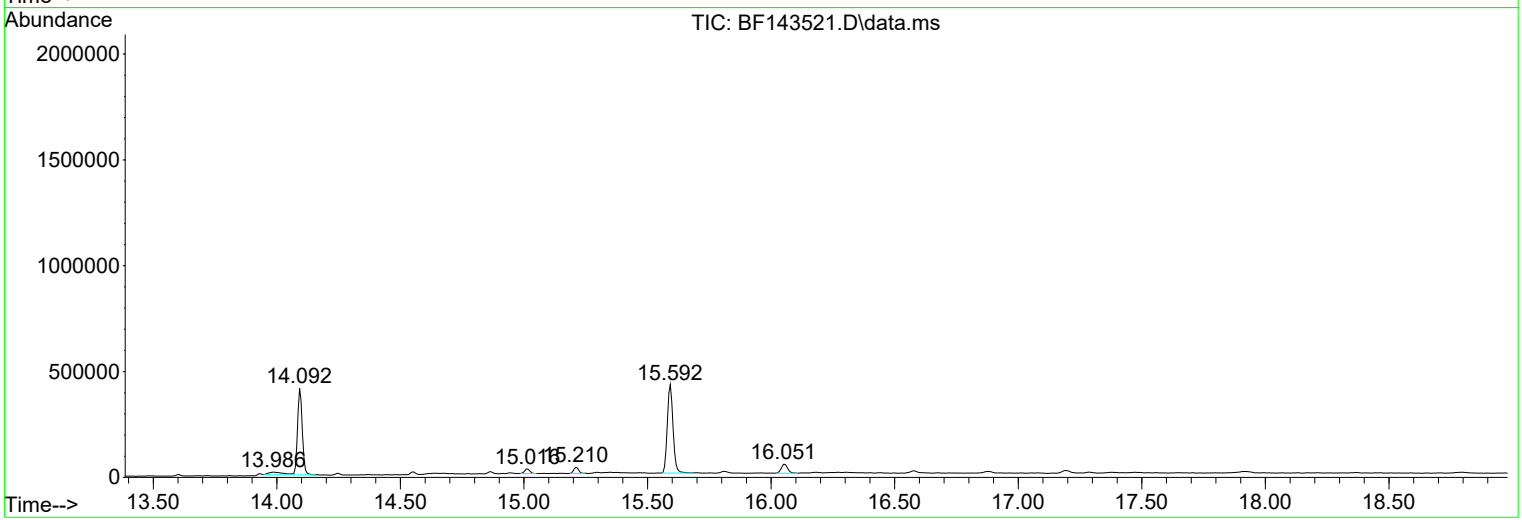
Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

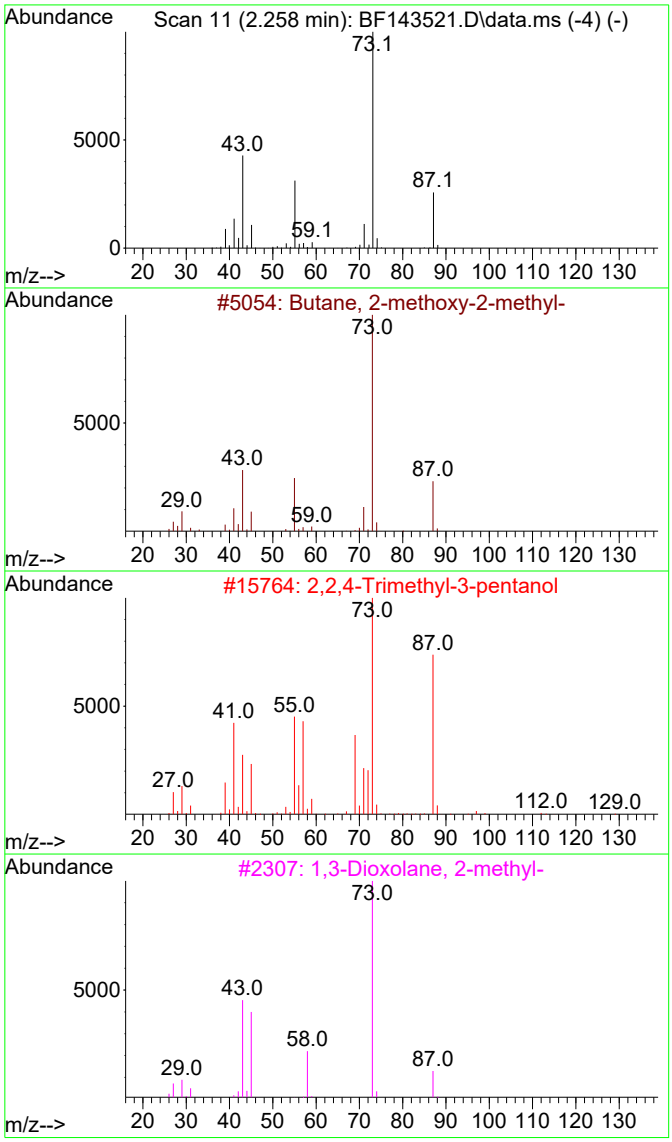
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

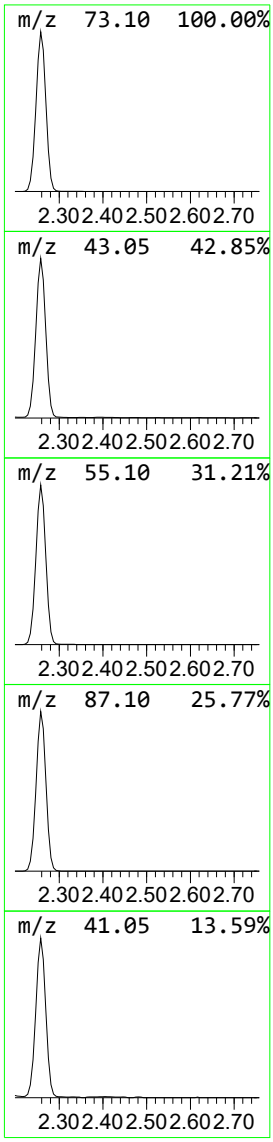
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.258	36.67 ng	1277540	1,4-Dichlorobenzene-d4	6.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

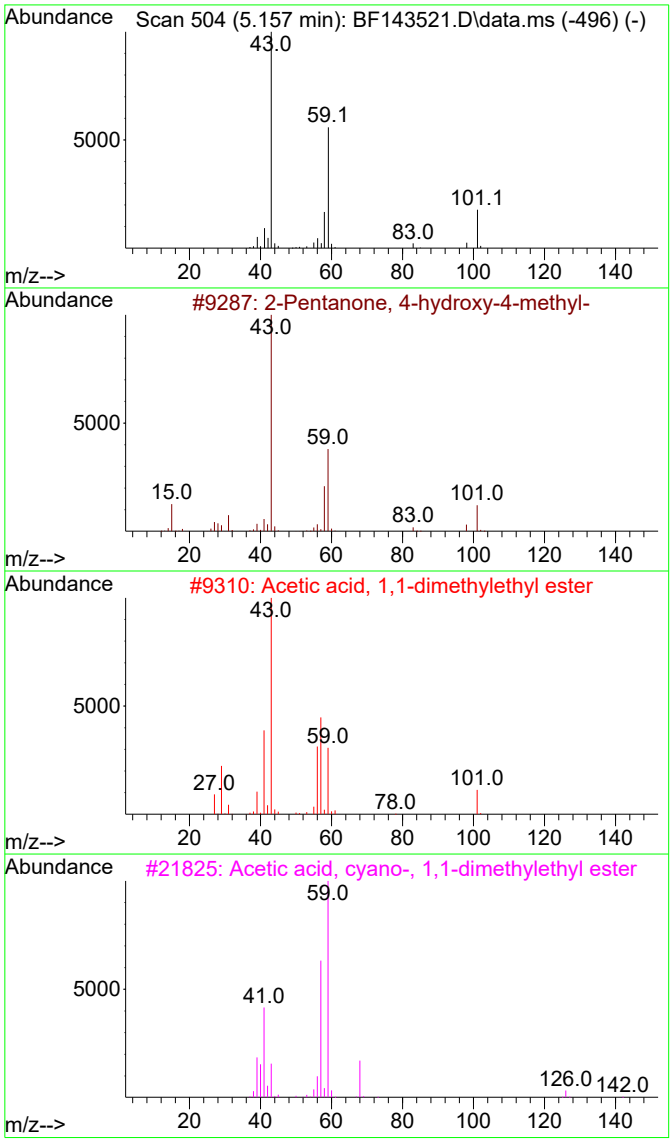
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

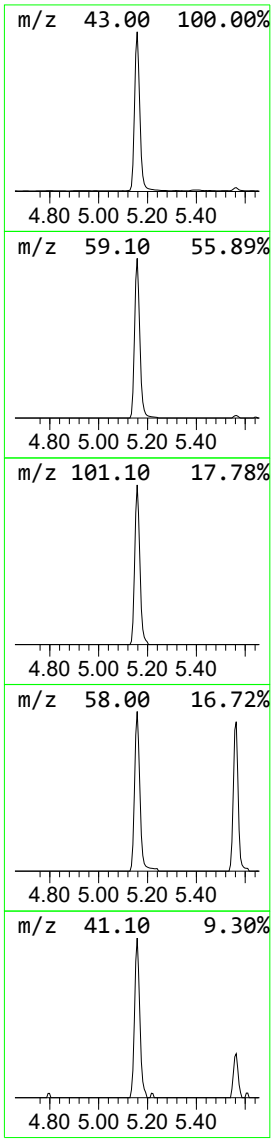
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	6.18 ng	215372	1,4-Dichlorobenzene-d4	6.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

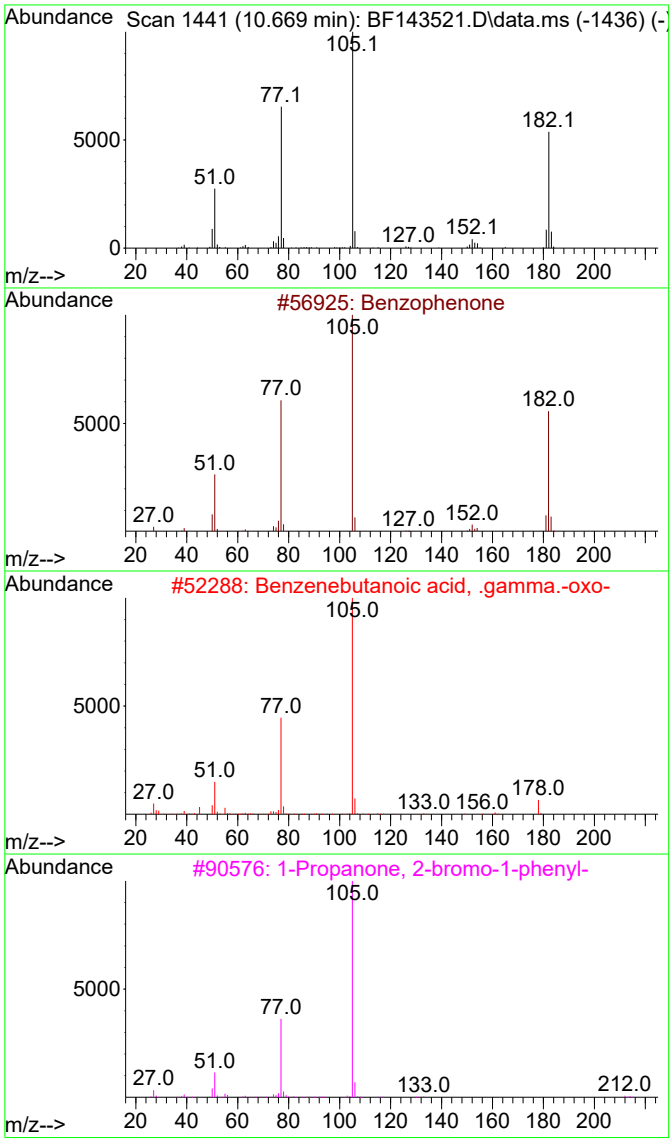
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

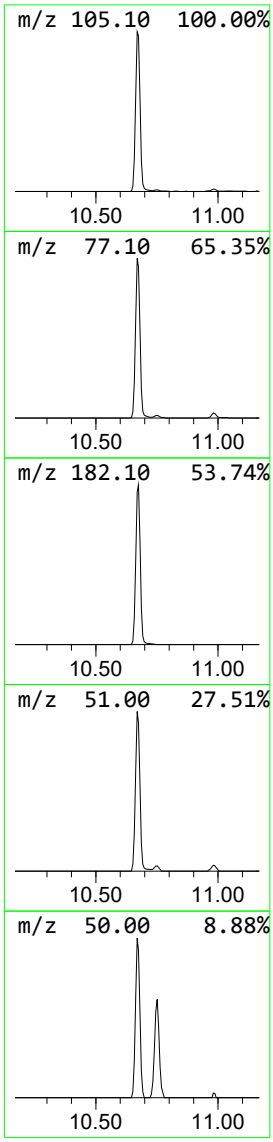
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.669	6.69 ng	333715	Acenaphthene-d10	9.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

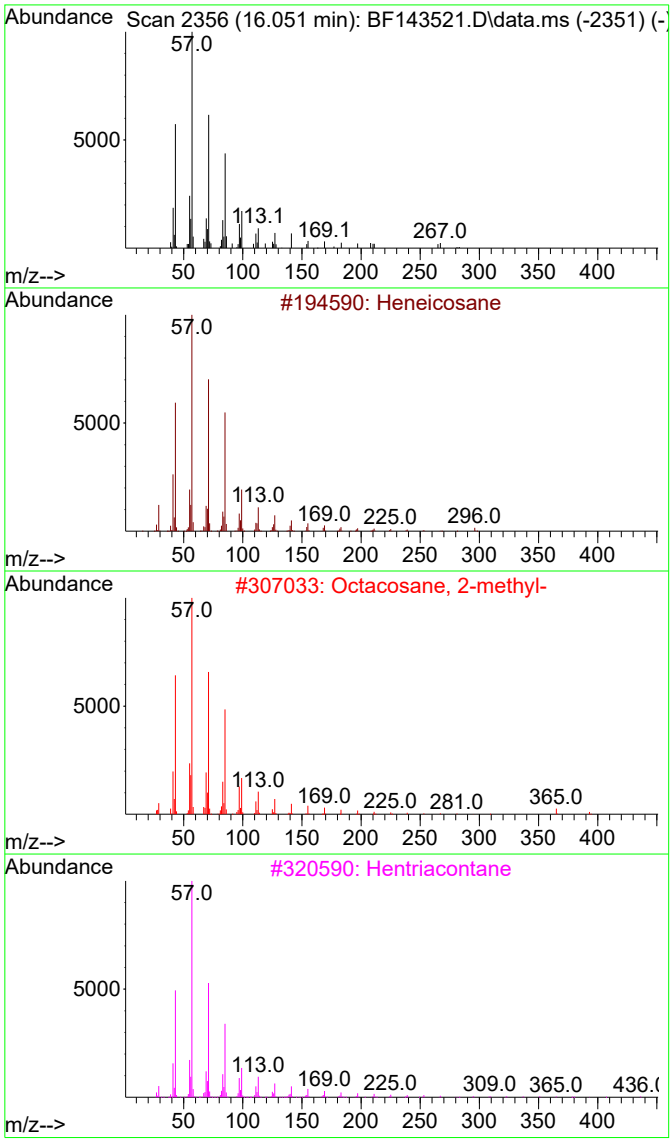
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

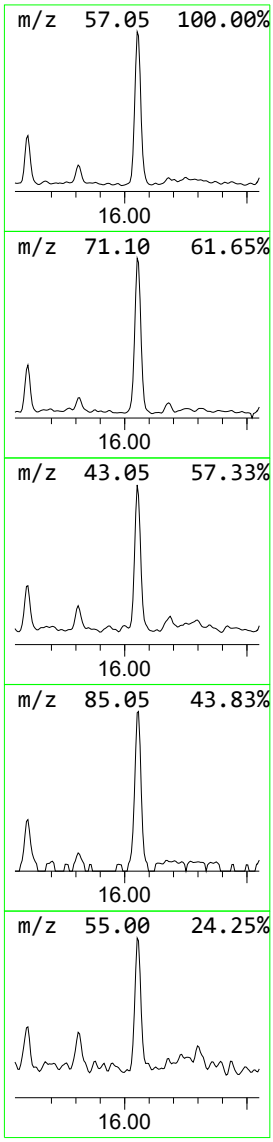
****

Peak Number 4 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.051	2.20 ng	74782	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Tetratetracontane	619	C44H90	007098-22-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143521.D
Acq On : 21 Aug 2025 10:49
Operator : RC/JU
Sample : Q2820-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
10PC-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.258	36.7	ng	1277540	1	6.928	696855	20.0
2-Pentanone, 4-...	5.157	6.2	ng	215372	1	6.928	696855	20.0
Benzophenone	10.669	6.7	ng	333715	3	9.963	997610	20.0
Heneicosane	16.051	2.2	ng	74782	6	15.592	680946	20.0

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	360	ug/Kg
108-95-2	Phenol	140	U	24.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.7	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	32.8	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	41.1	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	45.0	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.6	U	51.9	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.3	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.0	140	190	ug/Kg
78-59-1	Isophorone	140	U	35.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.8	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	71.0	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.7	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	31.0	140	190	ug/Kg
91-20-3	Naphthalene	140	U	24.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.7	140	190	ug/Kg
105-60-2	Caprolactam	300	U	57.1	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	28.0	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.9	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.7	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.7	140	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.4	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.3	140	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	250	300	360	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.9	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	31.0	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.2	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.3	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	110	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	36.0	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.5	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.7	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.2	140	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	56.2	300	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.9	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.5	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.5	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	32.9	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.4	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	78.2	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	40.2	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.2	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.8	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.8	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	95.1	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.8	140	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.3	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	30.0	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	28.0	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.5	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	30.0	140	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.8		35 - 115		61%	SPK: 150
13127-88-3	Phenol-d6	92.1		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.7		39 - 132		64%	SPK: 150
1718-51-0	Terphenyl-d14	55.1		54 - 127		55%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145000	7.784				
1146-65-2	Naphthalene-d8	568000	10.554				
15067-26-2	Acenaphthene-d10	385000	14.407				
1517-22-2	Phenanthrene-d10	796000	17.201				
1719-03-5	Chrysene-d12	860000	21.648				
1520-96-3	Perylene-d12	921000	25.012				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB			4.95	ug/Kg
000119-61-9	Benzophenone	320	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J			18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	160	J			19.4	ug/Kg
000057-11-4	Octadecanoic acid	86.9	J			19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	260	J			19.6	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000646-13-9	Octadecanoic acid, 2-methylpropyl	88.4	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	210	J			20.7	ug/Kg
000112-88-9	1-Octadecene	310	J			21.3	ug/Kg
000629-78-7	Heptadecane	82.2	J			21.9	ug/Kg
000297-03-0	Cyclotetracosane	200	J			22.6	ug/Kg
070475-51-3	9-Methylheneicosane	82.5	J			23.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Time: Aug 20 11:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

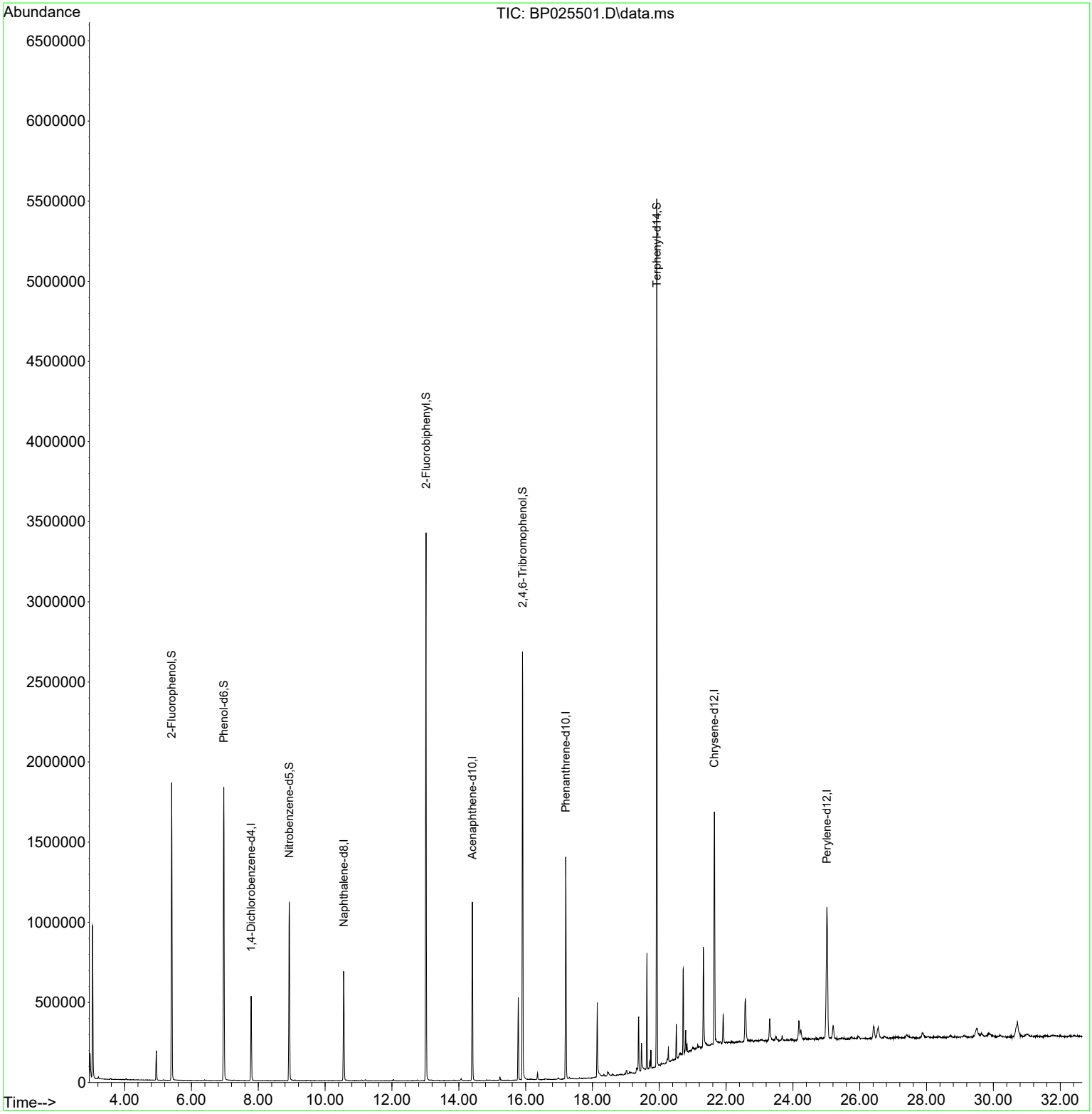
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	145357	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	568025	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	384903	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	795577	20.000	ng	0.00
76) Chrysene-d12	21.648	240	860315	20.000	ng	0.00
86) Perylene-d12	25.012	264	920578	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	794638	90.787	ng	0.00
7) Phenol-d6	6.966	99	1034035	92.145	ng	0.00
23) Nitrobenzene-d5	8.925	82	660777	58.846	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	501054	96.713	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1564138	55.538	ng	0.00
79) Terphenyl-d14	19.924	244	2591032	55.102	ng	0.00
Target Compounds						Qvalue

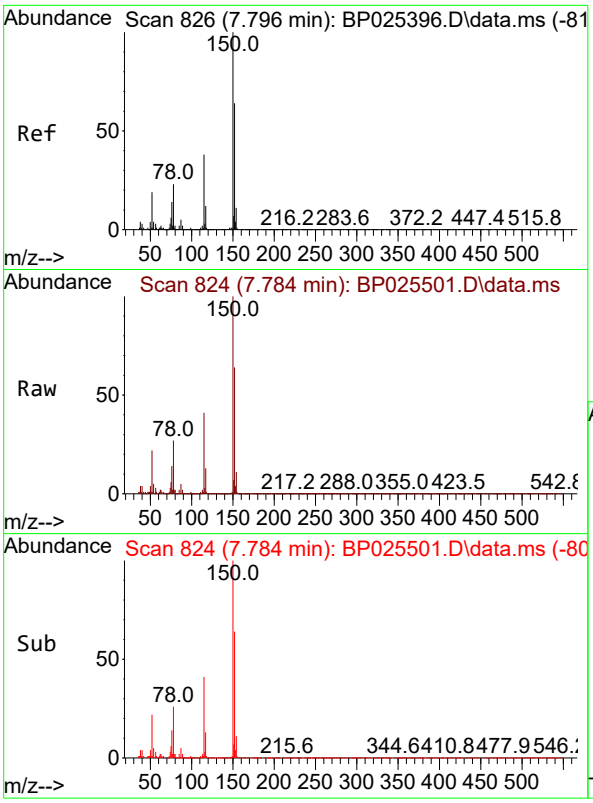
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Time: Aug 20 11:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



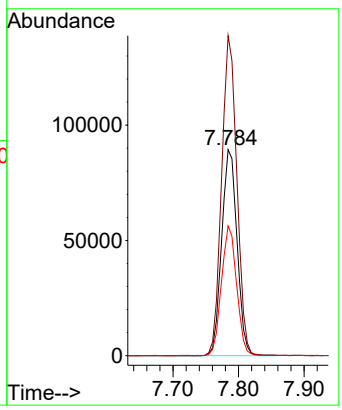


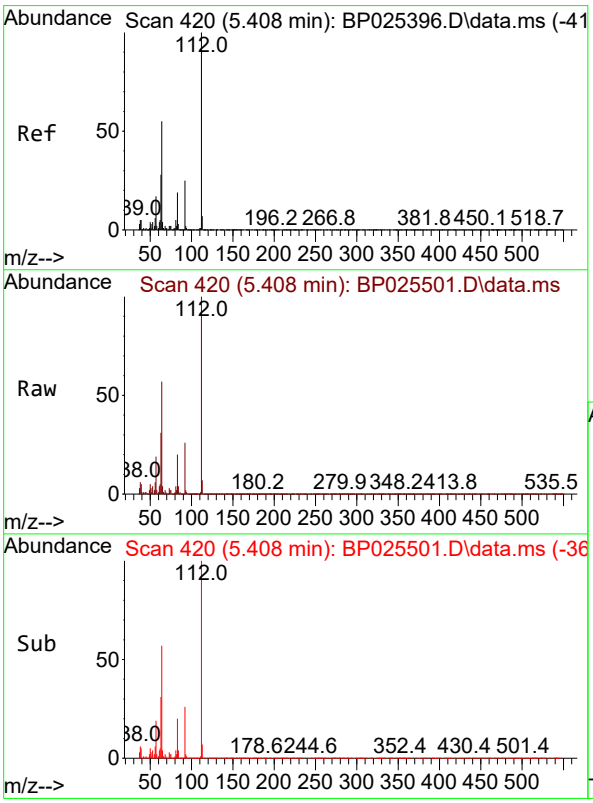
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion:152 Resp: 145357

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.9	188.9
115	63.0	48.5	72.7

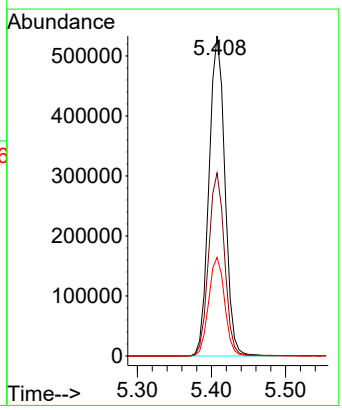


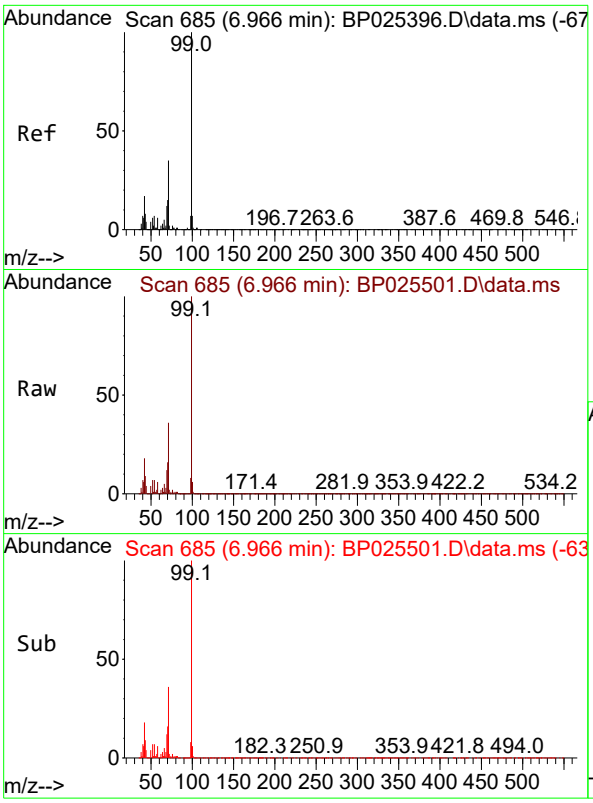


#5
2-Fluorophenol
Concen: 90.787 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:112 Resp: 794638

Ion	Ratio	Lower	Upper
112	100		
64	57.2	43.8	65.8
63	30.8	22.7	34.1



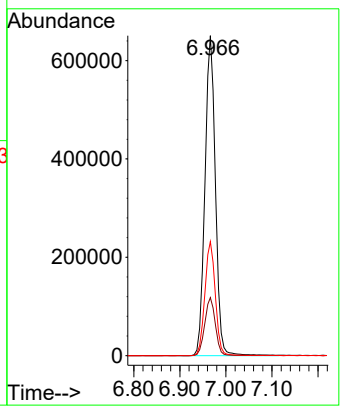


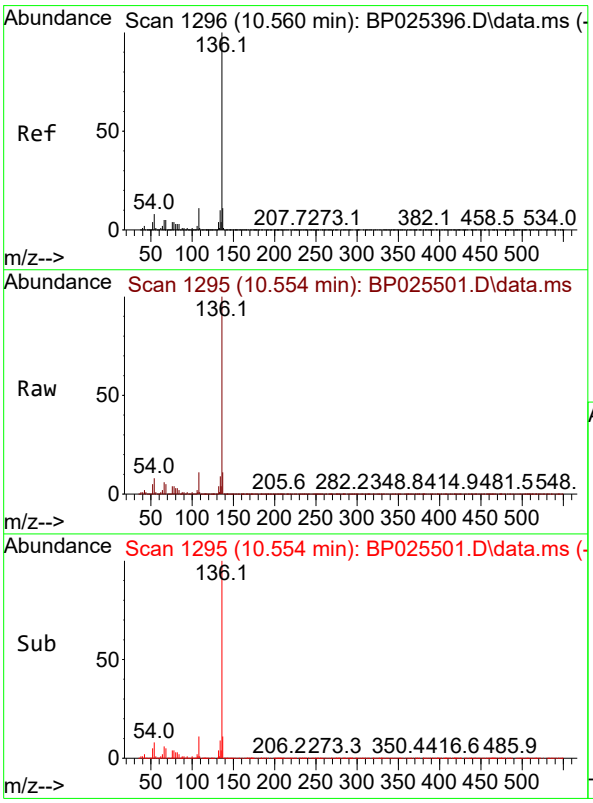
#7
Phenol-d6
Concen: 92.145 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion: 99 Resp: 1034035

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	35.7	28.2	42.4

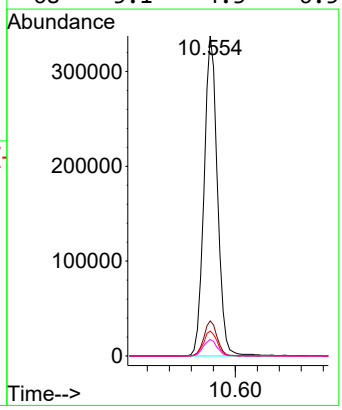


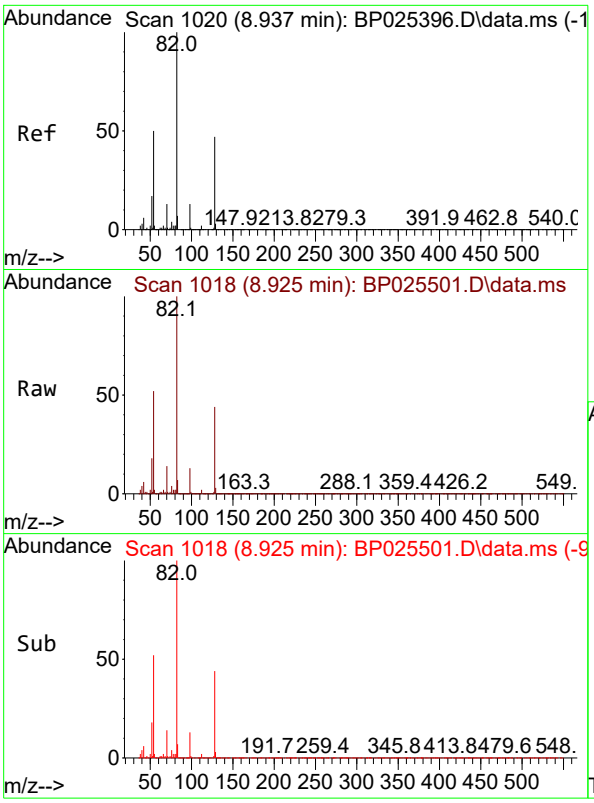


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:136 Resp: 568025

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.8	6.0	9.0
68	5.1	4.3	6.5



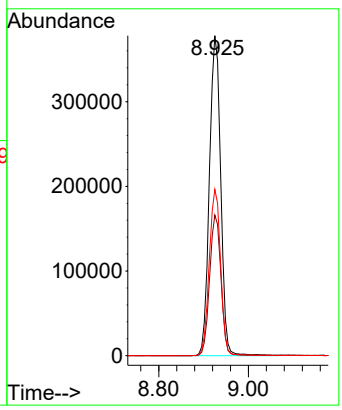


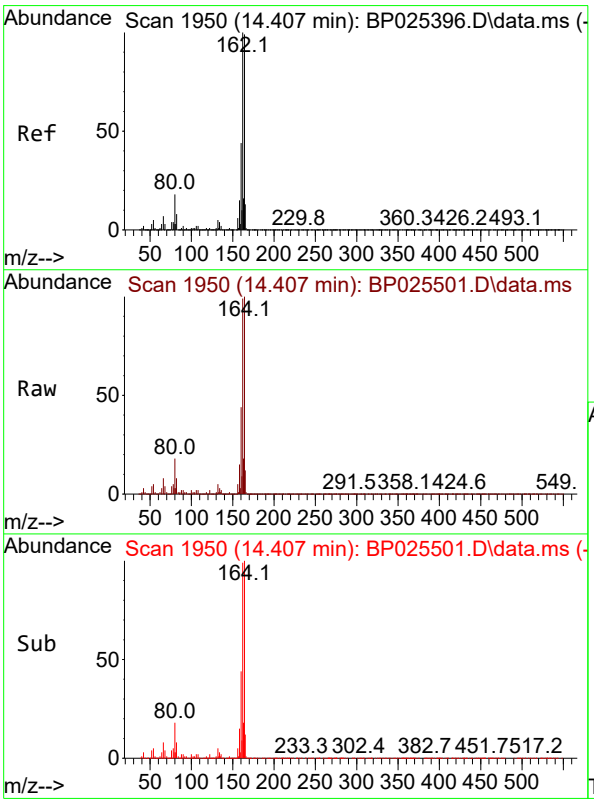
#23
Nitrobenzene-d5
Concen: 58.846 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion: 82 Resp: 660777

Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.7	56.5
54	51.9	39.8	59.6

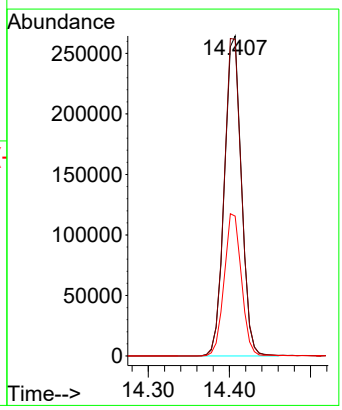


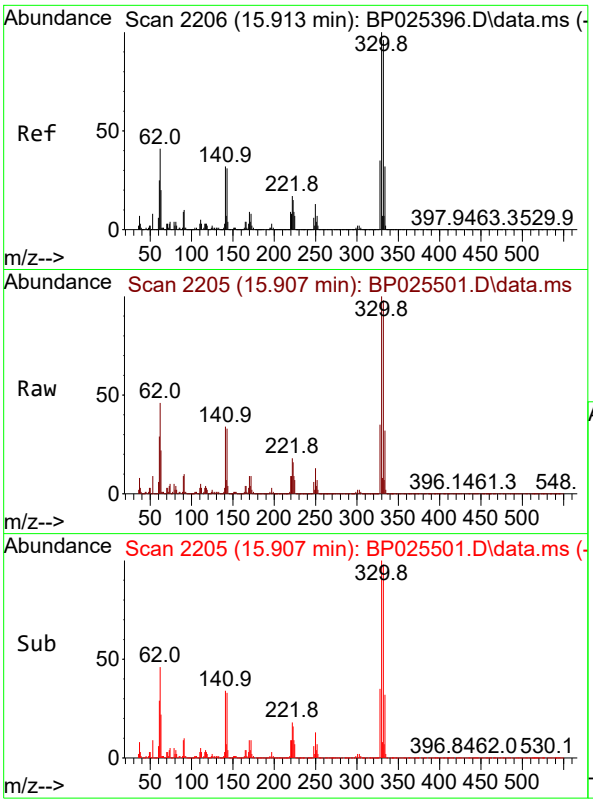


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:164 Resp: 384903

Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.0	121.6
160	43.7	35.4	53.2



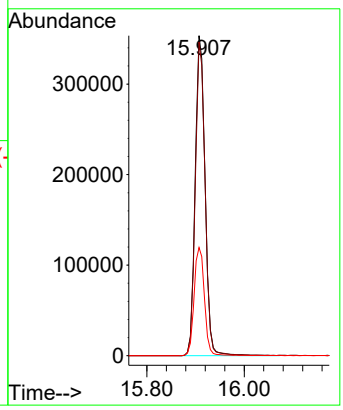


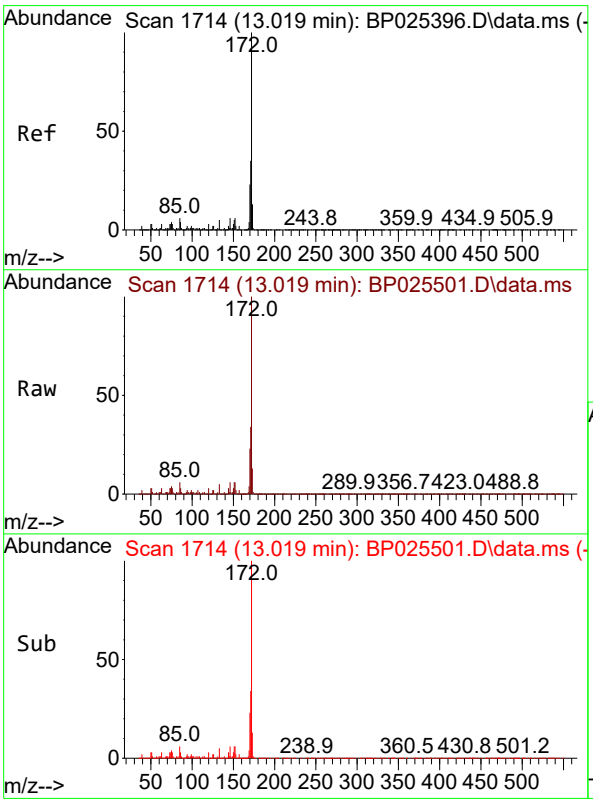
#42
2,4,6-Tribromophenol
Concen: 96.713 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion:330 Resp: 501054

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	35.4	26.6	39.8

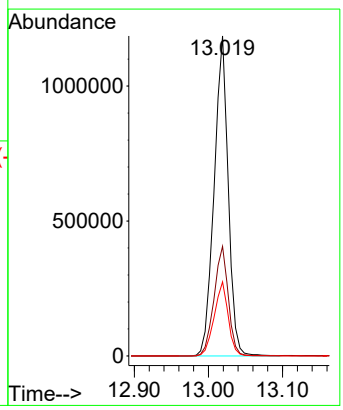


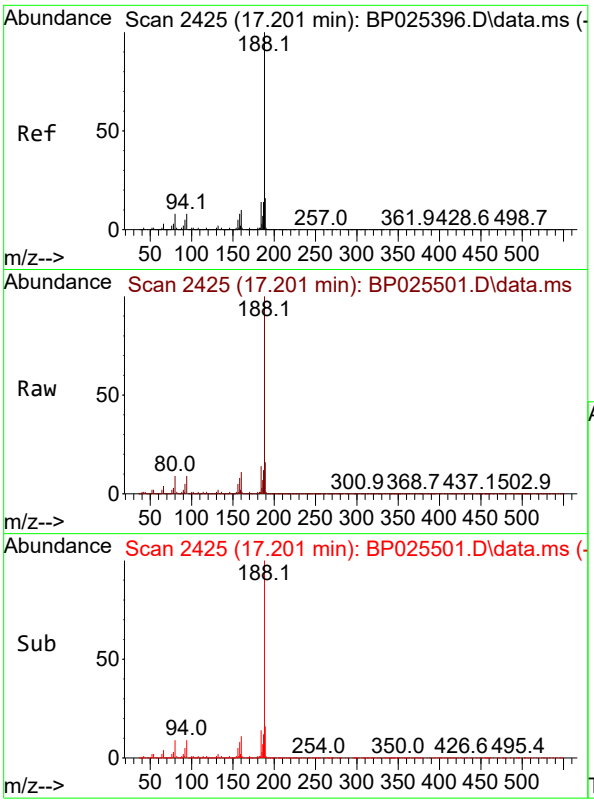


#45
2-Fluorobiphenyl
Concen: 55.538 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:172 Resp: 1564138

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.1	42.1
170	23.1	18.6	28.0



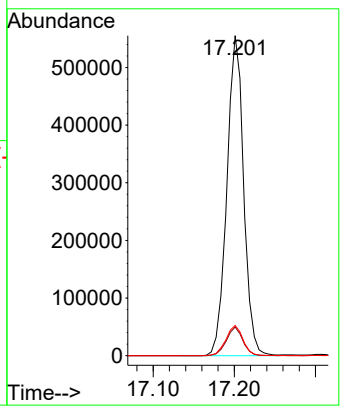


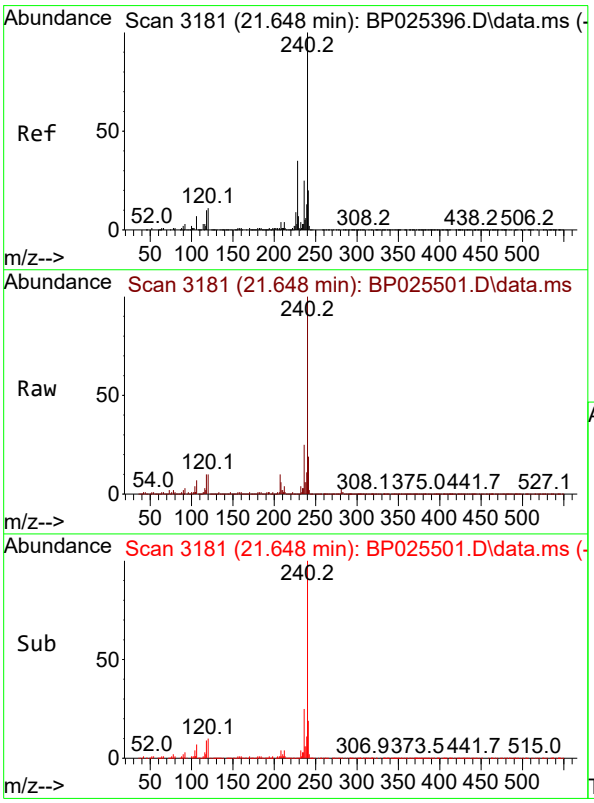
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion:188 Resp: 795577

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	6.7	10.1

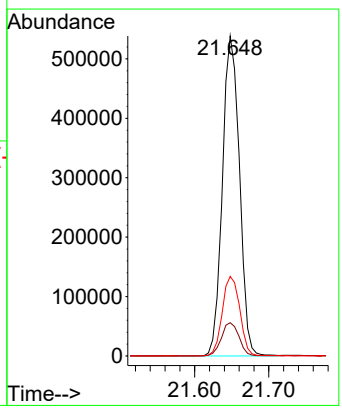


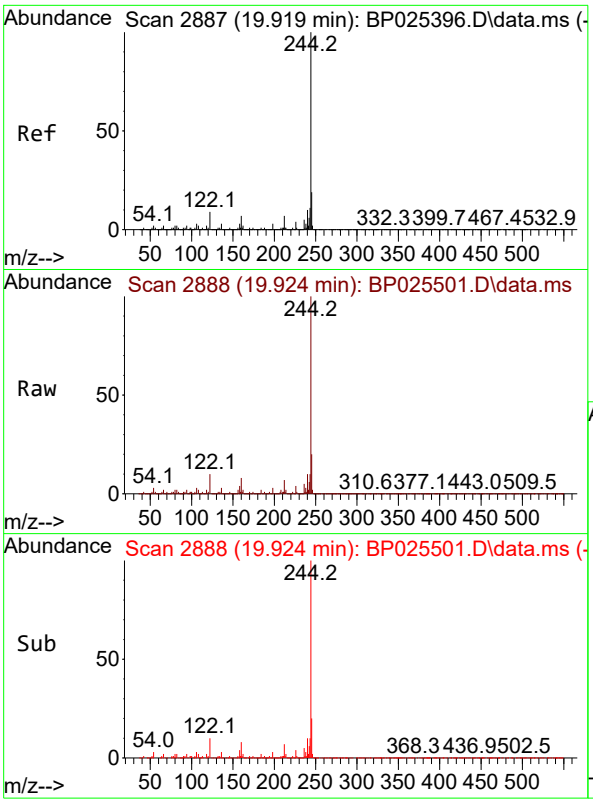


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:240 Resp: 860315

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	24.9	19.8	29.8



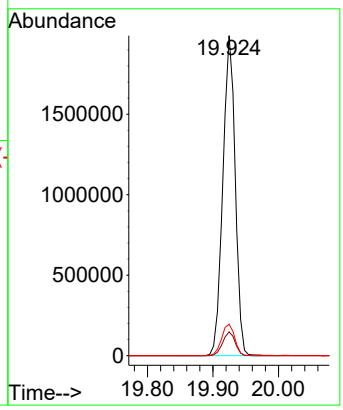


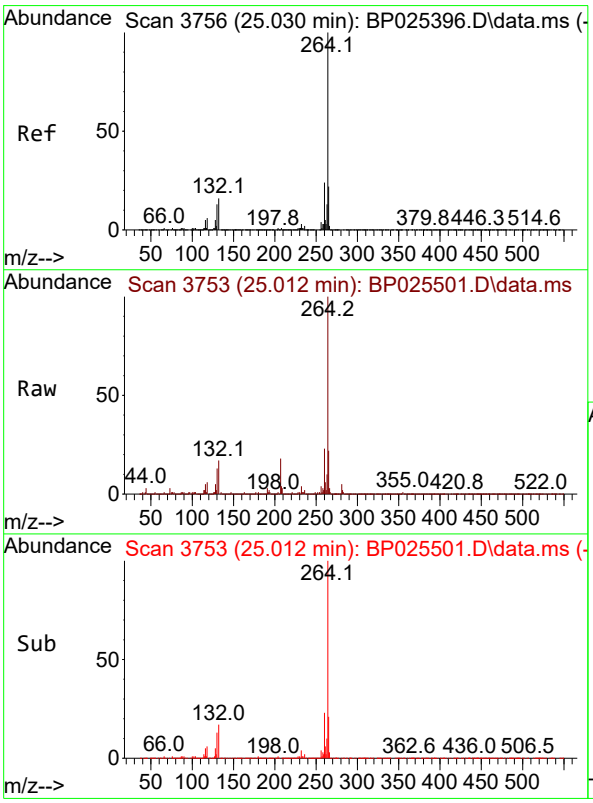
#79
Terphenyl-d14
Concen: 55.102 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Instrument :
BNA_P
ClientSampleId :
10P-W

Tgt Ion:244 Resp: 2591032

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.8	7.4	11.2

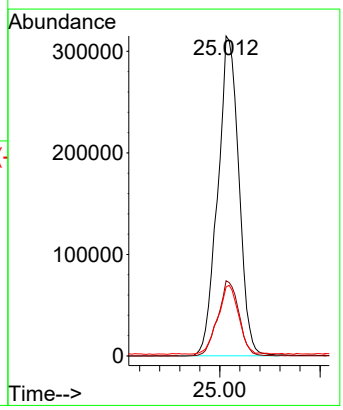




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025501.D
Acq: 20 Aug 2025 09:19

Tgt Ion:264 Resp: 920578

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.6	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025501.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	13	17	31	rVB	951799	1288246	18.06%	3.081%
2	4.949	336	342	351	rVB	183848	260834	3.66%	0.624%
3	5.408	413	420	428	rBV	1857067	2767164	38.80%	6.618%
4	6.966	677	685	701	rBV	1830453	2953923	41.42%	7.064%
5	7.784	817	824	832	rBV	526268	843116	11.82%	2.016%
6	8.925	1010	1018	1029	rBV	1116037	1961296	27.50%	4.690%
7	10.554	1287	1295	1304	rBV	683198	1153924	16.18%	2.760%
8	13.019	1706	1714	1727	rBV	3420130	4593954	64.41%	10.986%
9	14.401	1942	1949	1964	rBV	1114732	1667493	23.38%	3.988%
10	15.778	2177	2183	2191	rBV	516069	739388	10.37%	1.768%
11	15.907	2199	2205	2228	rBV	2672379	3884546	54.46%	9.290%
12	17.201	2418	2425	2435	rBV2	1385731	2000285	28.04%	4.784%
13	18.142	2579	2585	2602	rBV	465566	747154	10.48%	1.787%
14	19.383	2791	2796	2801	rVB	339501	432161	6.06%	1.033%
15	19.466	2806	2810	2819	rBV	174895	279208	3.91%	0.668%
16	19.630	2833	2838	2843	rBV	724102	840914	11.79%	2.011%
17	19.748	2855	2858	2864	rVB	114459	139081	1.95%	0.333%
18	19.924	2882	2888	2894	rBV	5412079	7132474	100.00%	17.057%
19	20.272	2944	2947	2951	rVB	94879	91811	1.29%	0.220%
20	20.513	2983	2988	2992	rBV	219124	284625	3.99%	0.681%
21	20.719	3018	3023	3028	rBV	538941	687395	9.64%	1.644%
22	20.789	3032	3035	3039	rVB	126569	146297	2.05%	0.350%
23	21.319	3120	3125	3135	rBV2	621975	999723	14.02%	2.391%
24	21.648	3175	3181	3187	rBV2	1444827	2348915	32.93%	5.617%
25	21.913	3222	3226	3233	rVB	180042	264182	3.70%	0.632%
26	22.577	3333	3339	3350	rVB3	258149	640866	8.99%	1.533%
27	23.307	3459	3463	3474	rVB	131102	264929	3.71%	0.634%
28	25.018	3745	3754	3769	rVB	820612	2401742	33.67%	5.744%

Sum of corrected areas: 41815646

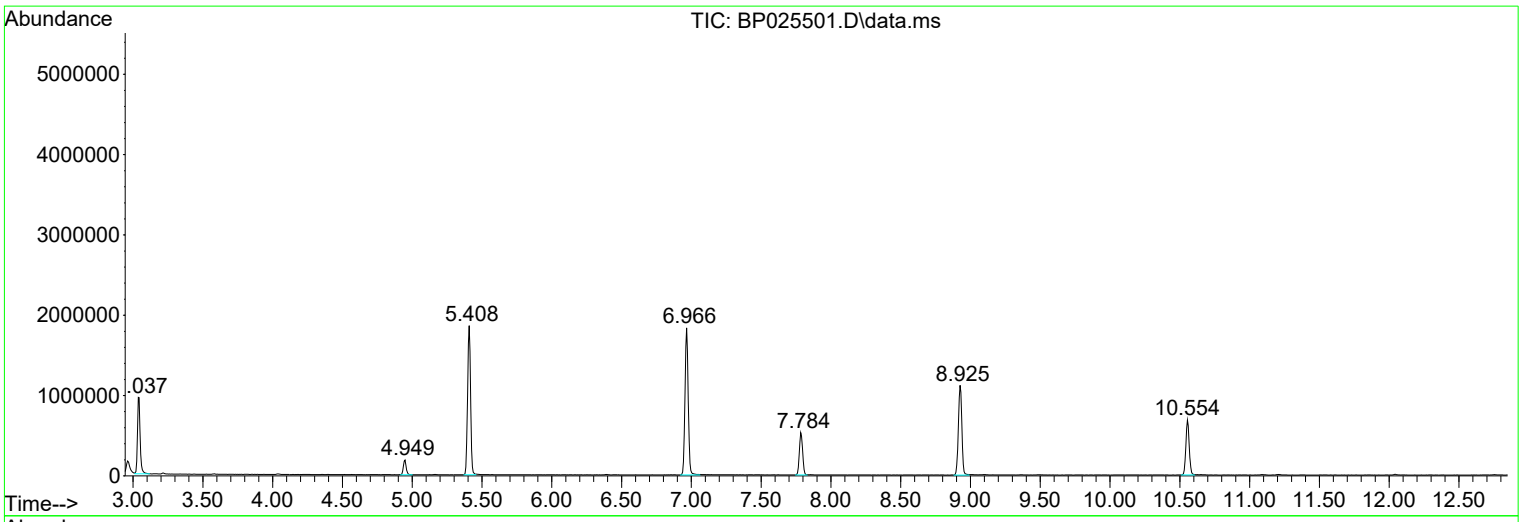
Sample Results: **BP025501.D**

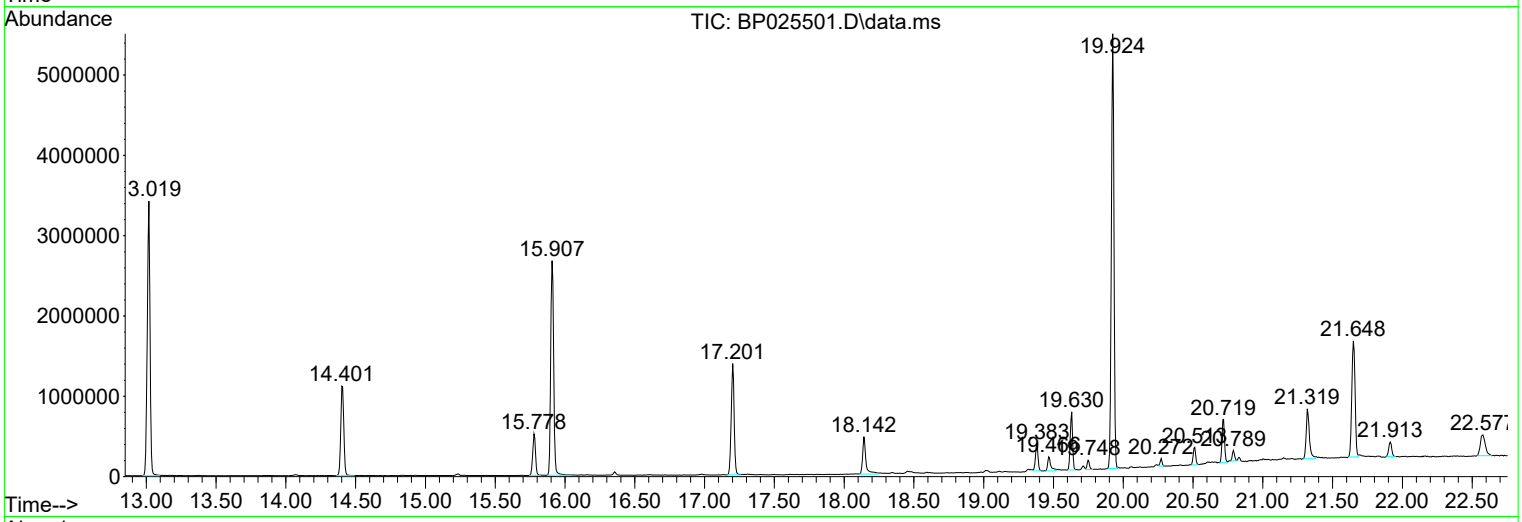
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

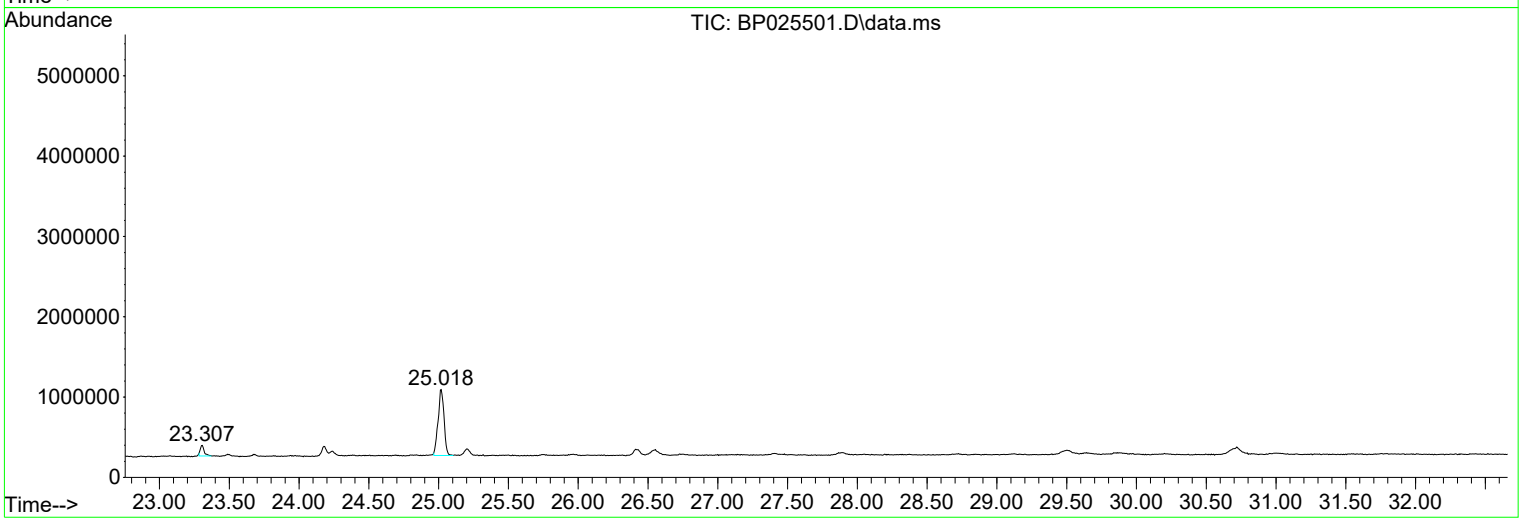
Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

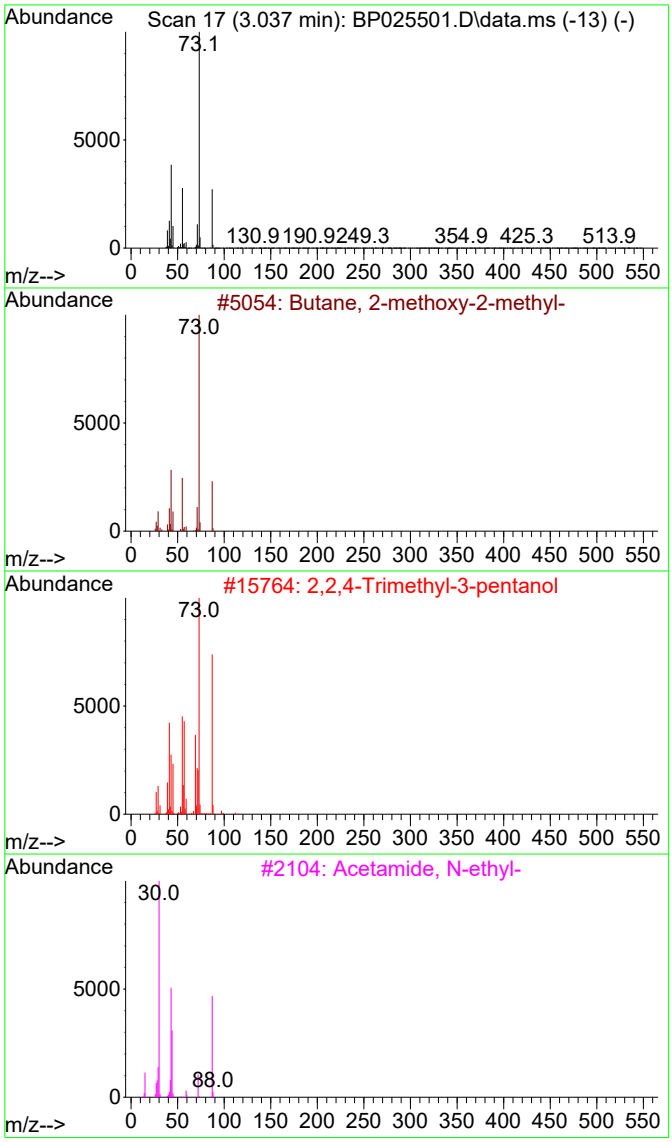
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

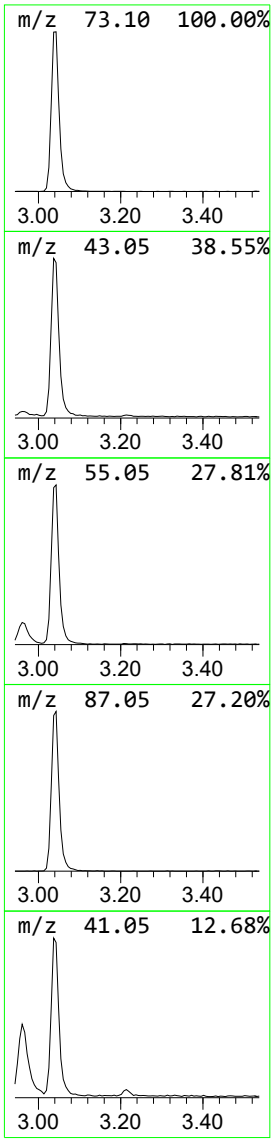
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	30.56 ng	1288250	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

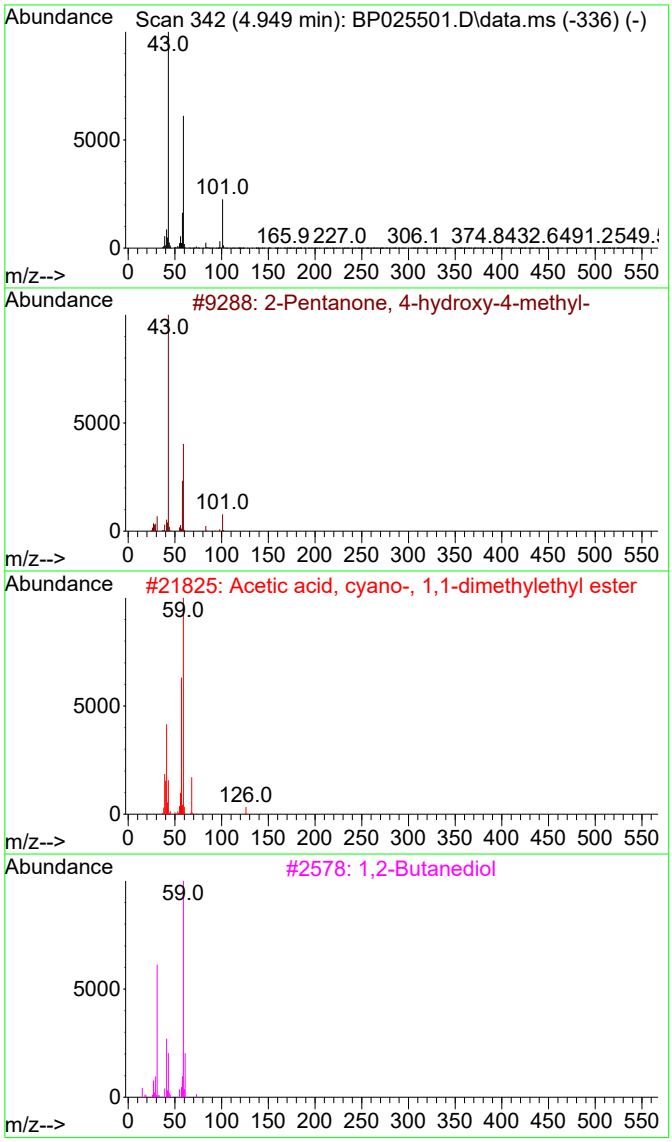
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

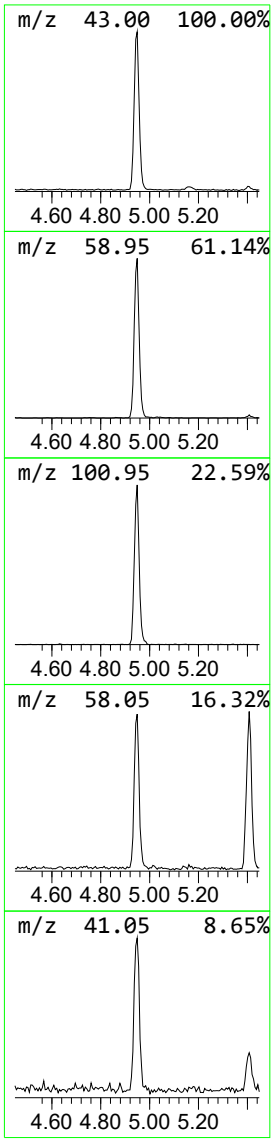
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	6.19 ng	260834	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1,2-Butanediol	90	C4H10O2	000584-03-2	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025501.D
Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

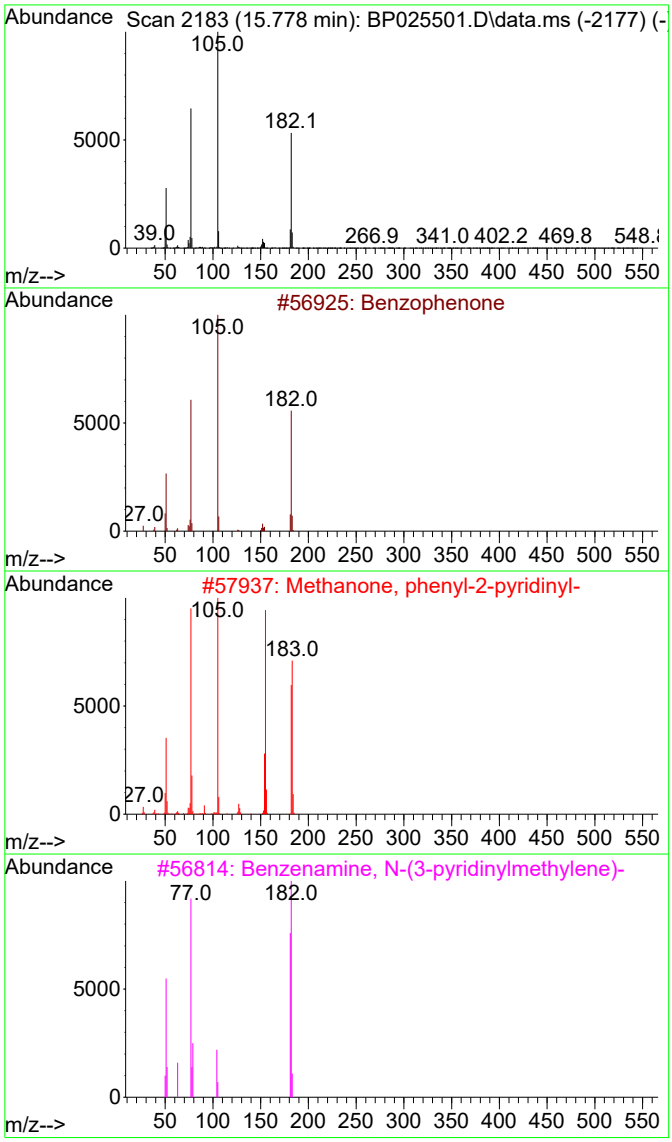
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

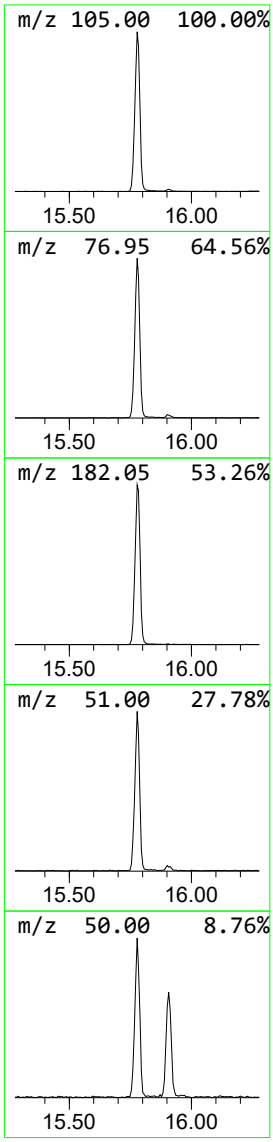
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	8.87 ng	739388	Acenaphthene-d10	14.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
4	Azobenzene	182	C12H10N2	000103-33-3	45
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45





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Acq On    : 20 Aug 2025  09:19
Operator  : CG/JU
Sample    : Q2820-13
Misc      :
ALS Vial  : 32   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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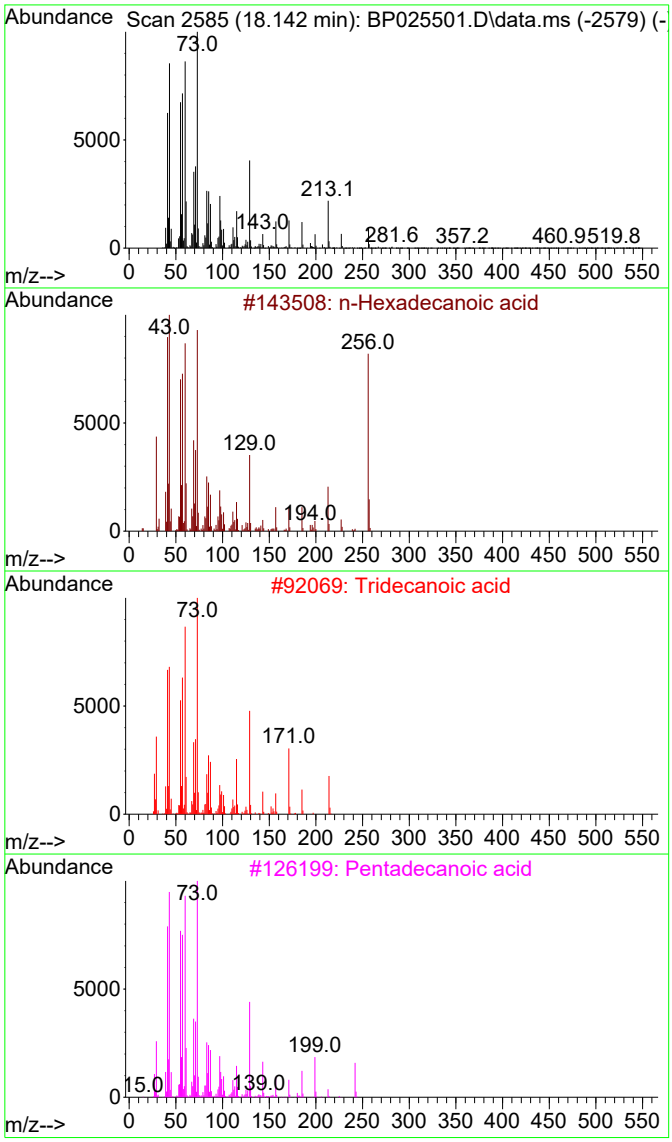
Instrument :
BNA_P
ClientSampleId :
10P-W

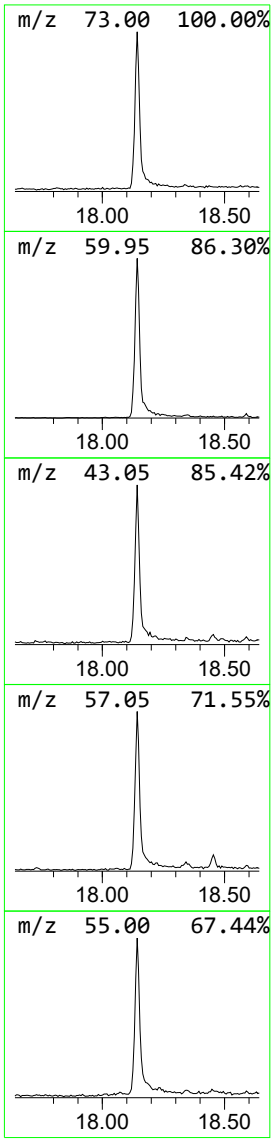
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	7.47 ng	747154	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

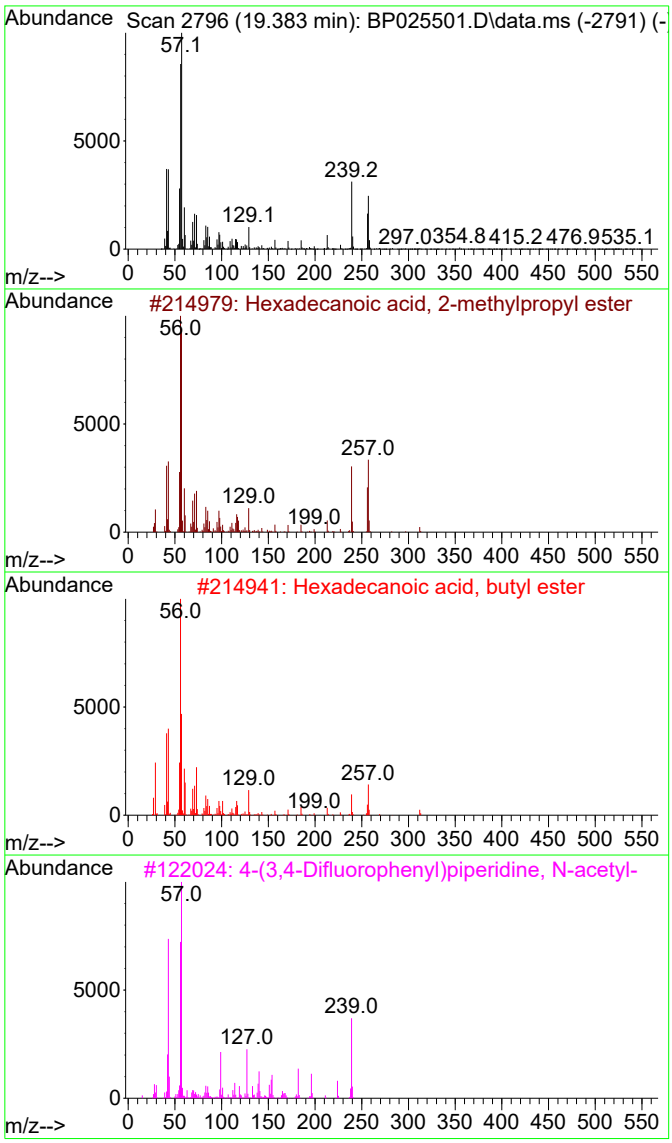
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

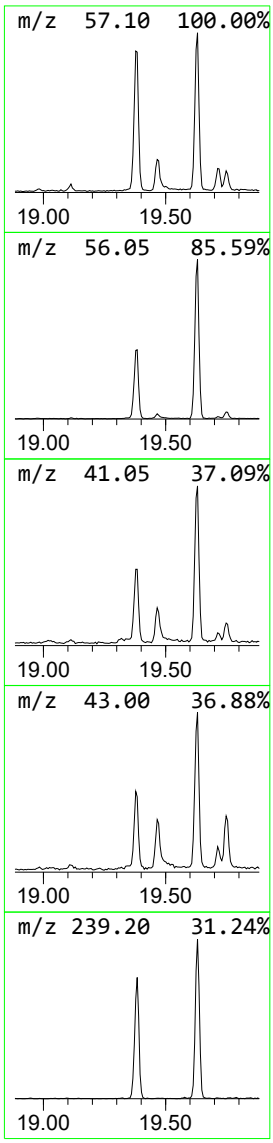
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexadecanoic acid, 2-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.383	4.32 ng	432161	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	91
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	64
3	4-(3,4-Difluorophenyl)piperidine...	239	C13H15F2NO	1000505-60-2	37
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	35
5	Urea, N,N'-di-2-propenyl-	140	C7H12N2O	001801-72-5	35





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Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

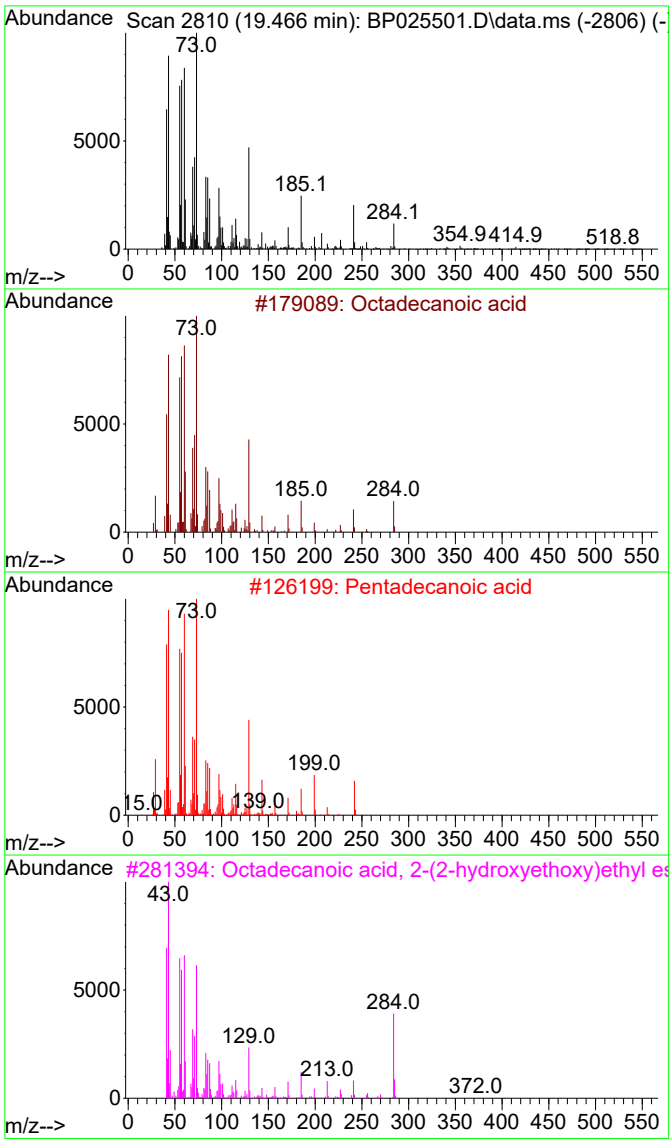
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

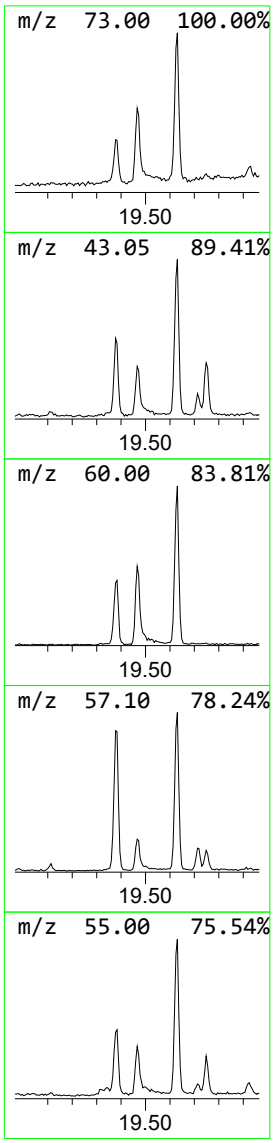
****

Peak Number 6 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.466	2.38 ng	279208	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74





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Operator  : CG/JU
Sample    : Q2820-13
Misc      :
ALS Vial  : 32   Sample Multiplier: 1

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Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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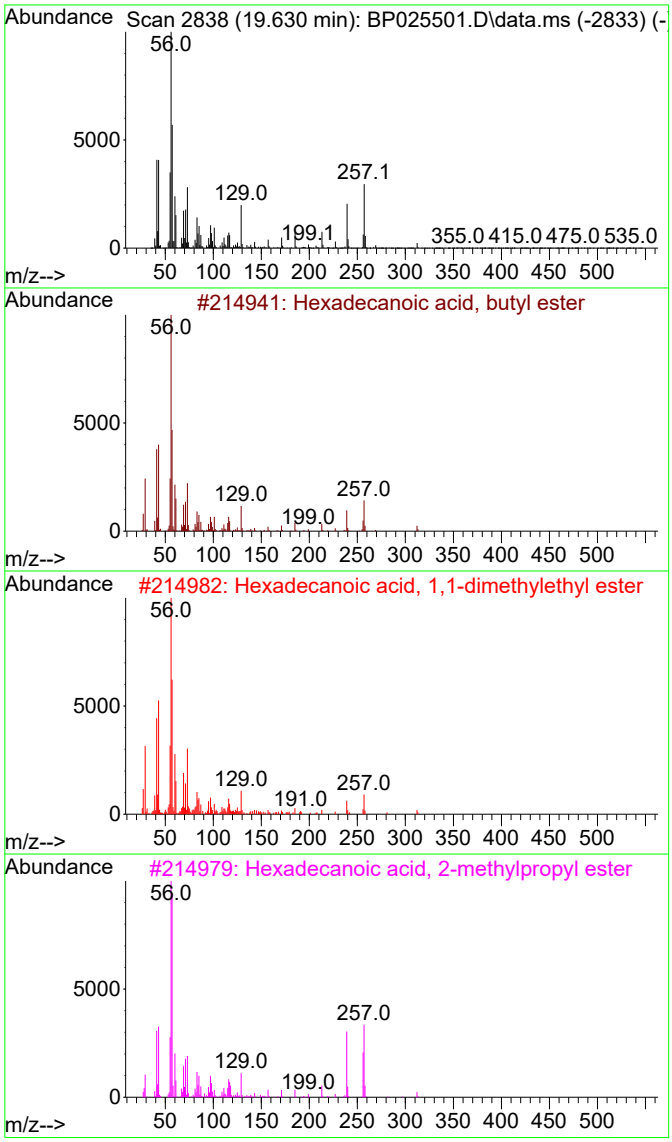
Instrument :
BNA_P
ClientSampleId :
10P-W

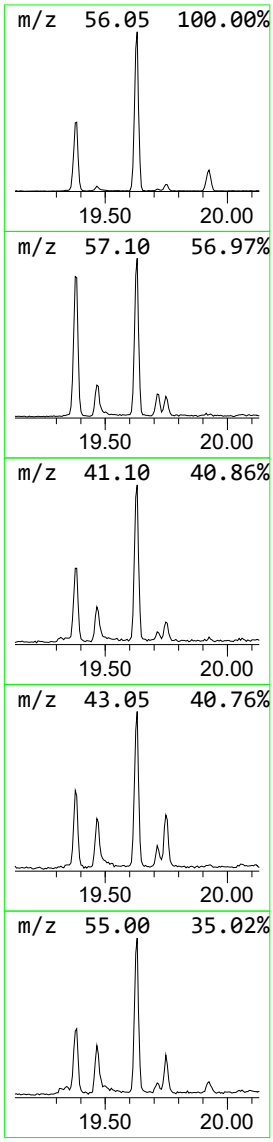
****

Peak Number 7 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.630	7.16 ng	840914	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	35
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	27





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Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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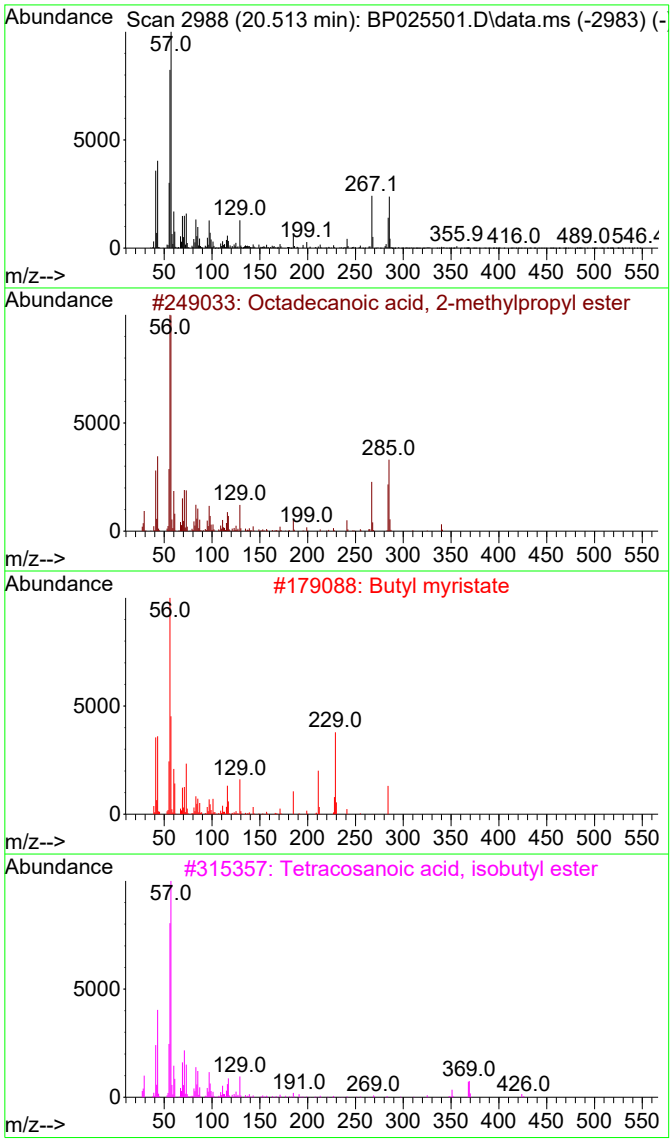
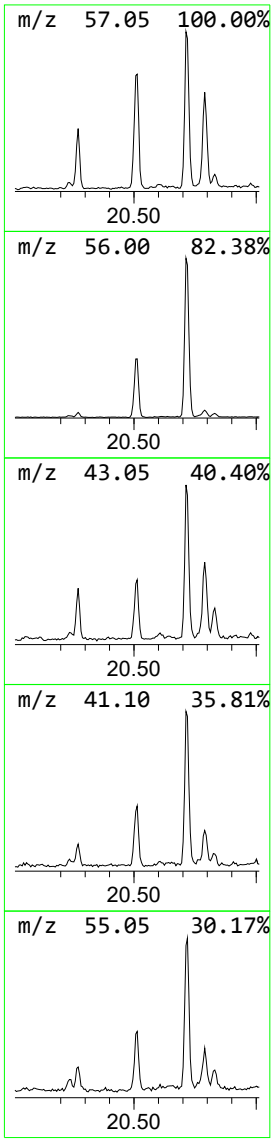
Peak Number 8 Octadecanoic acid, 2-methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.513	2.42 ng	284625	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	90
2	Butyl myristate	284	C18H36O2	000110-36-1	53
3	Tetracosanoic acid, isobutyl ester	424	C28H56O2	1010405-17-3	52
4	2-(Piperazin-1-yl)-5,6,7,8-tetra...	267	C15H17N5	1000409-75-8	47
5	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	38





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Acq On : 20 Aug 2025 09:19
Operator : CG/JU
Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

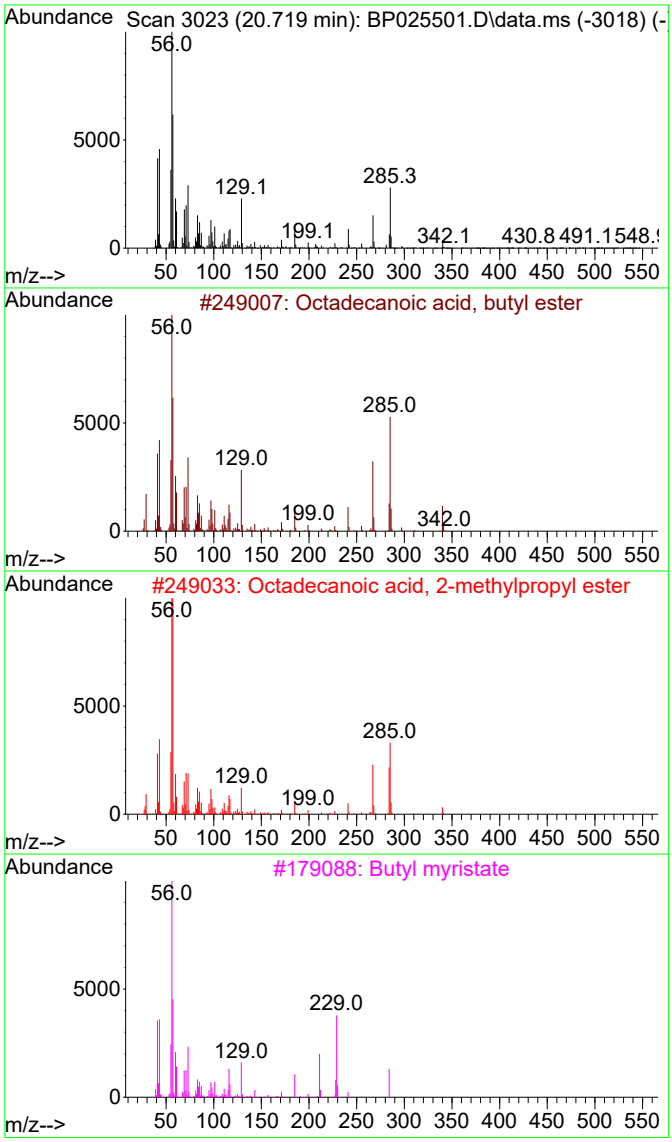
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

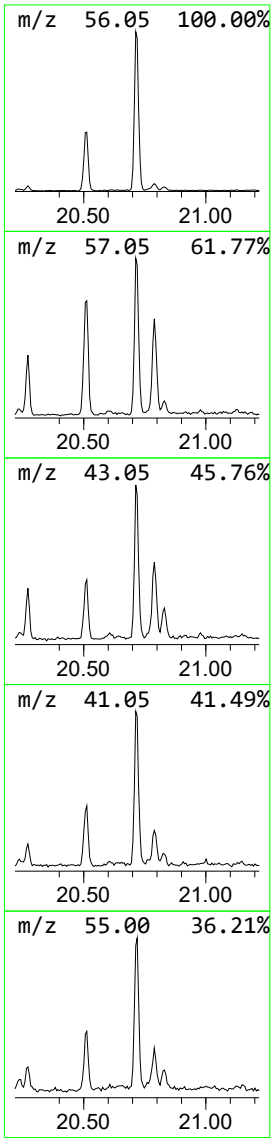
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.718	5.85 ng	687395	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	96
2	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	89
3	Butyl myristate	284	C18H36O2	000110-36-1	53
4	Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	38
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	30





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Sample : Q2820-13
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

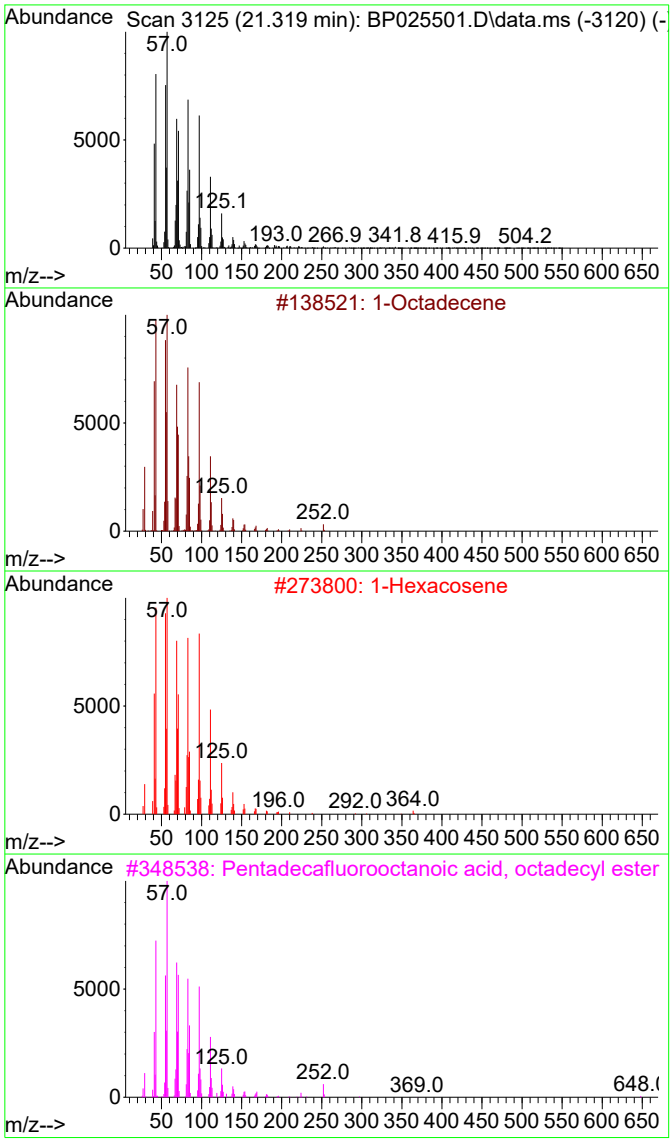
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

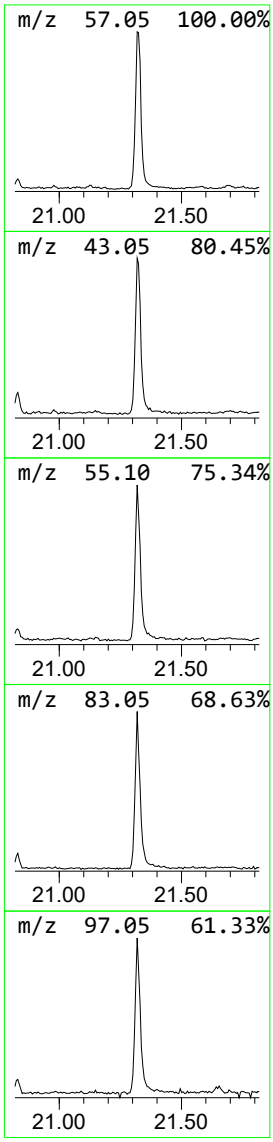
****

Peak Number 10 1-Octadecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.319	8.51 ng	999723	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	95
2	1-Hexacosene	364	C26H52	018835-33-1	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	Octacosyl acetate	452	C30H60O2	018206-97-8	91
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91





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ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

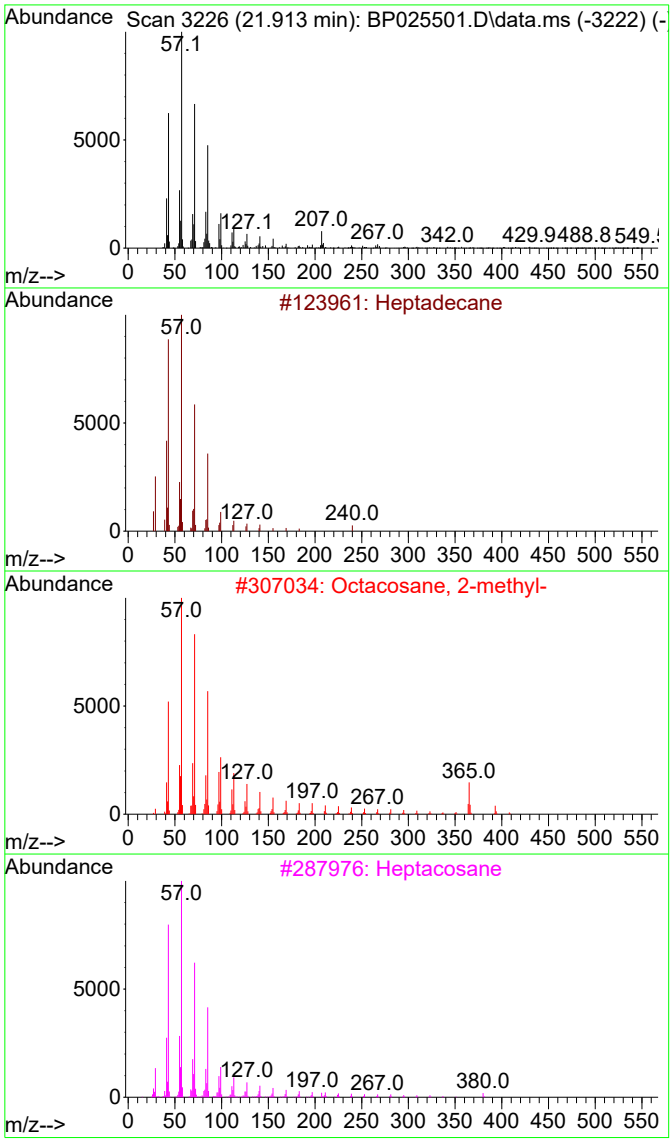
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

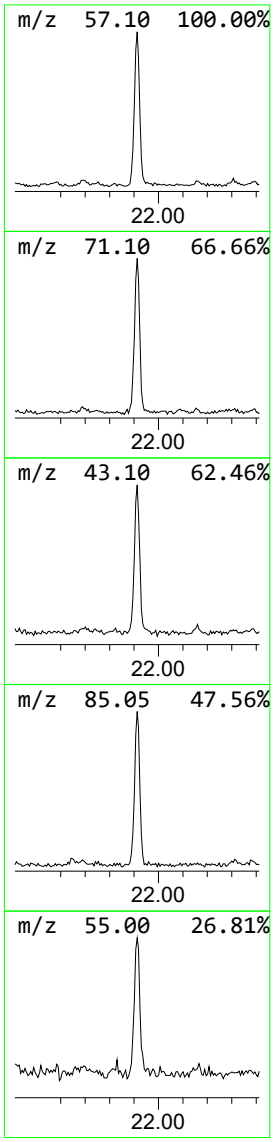
****

Peak Number 11 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.913	2.25 ng	264182	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	90
5	Hexatriacontane	507	C36H74	000630-06-8	87





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ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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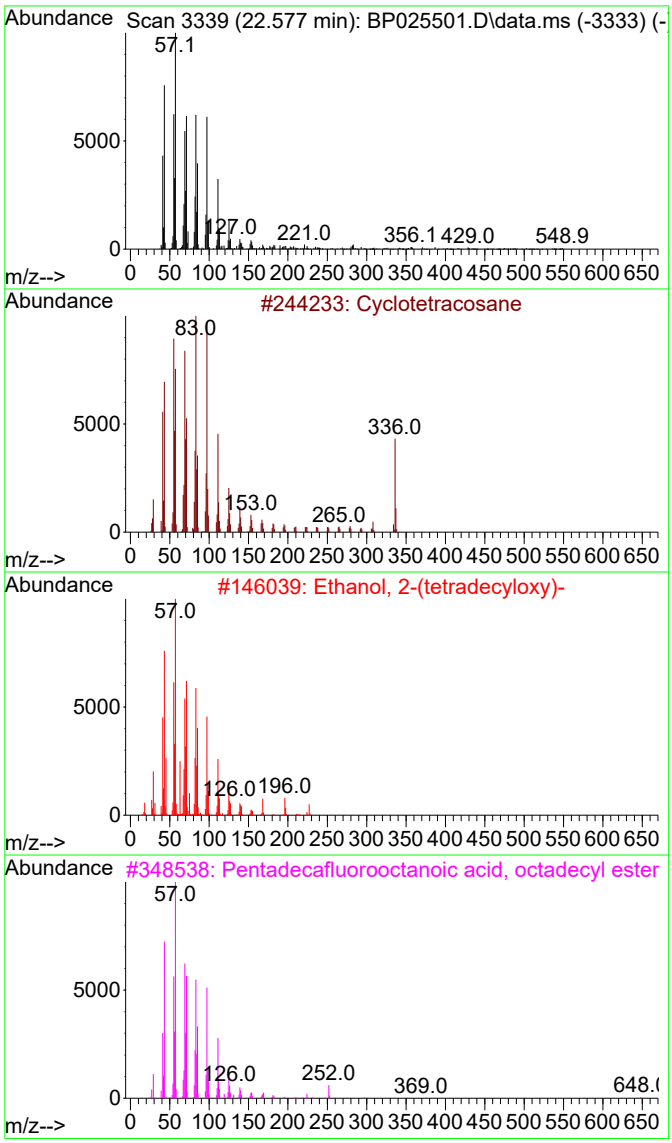
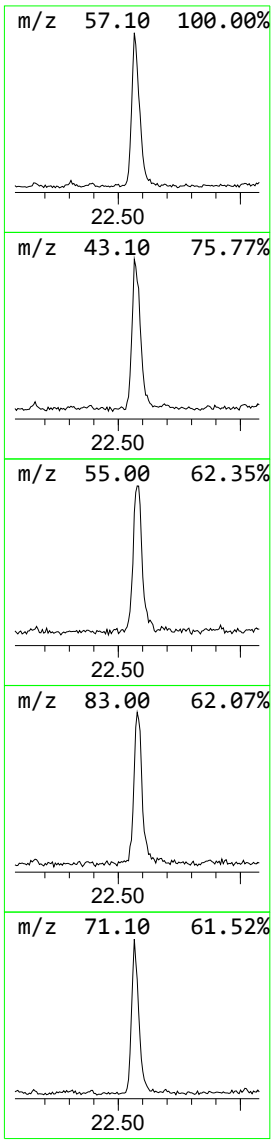
Peak Number 12 Cyclotetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.577	5.46 ng	640866	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	96
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Hexacosanol	382	C26H54O	000506-52-5	93
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	92





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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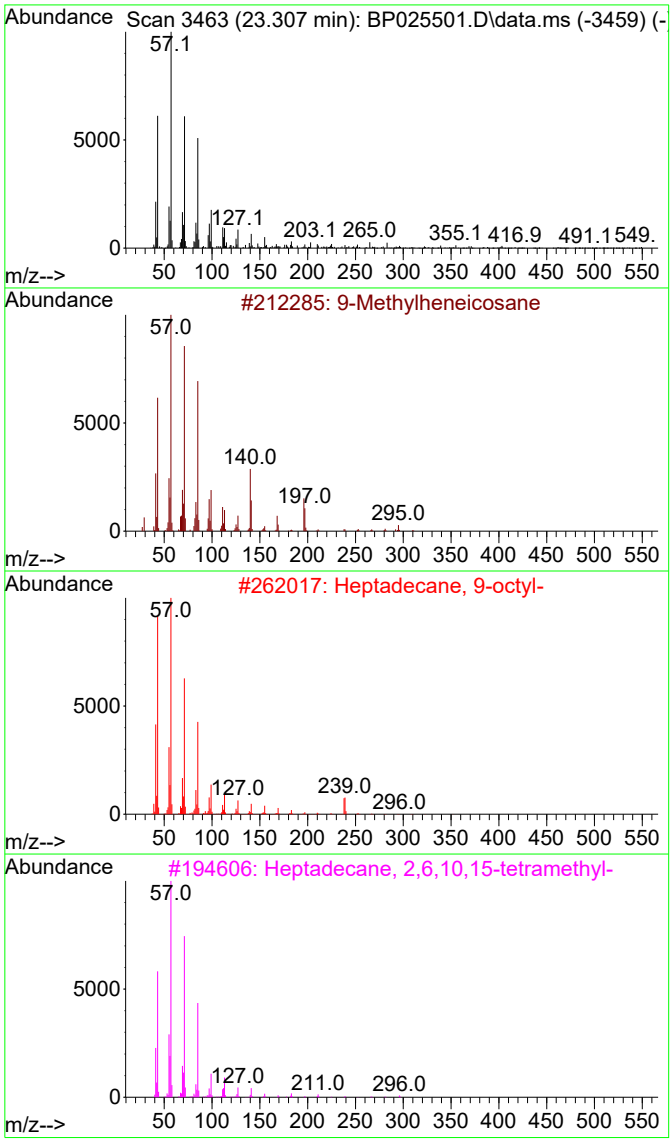
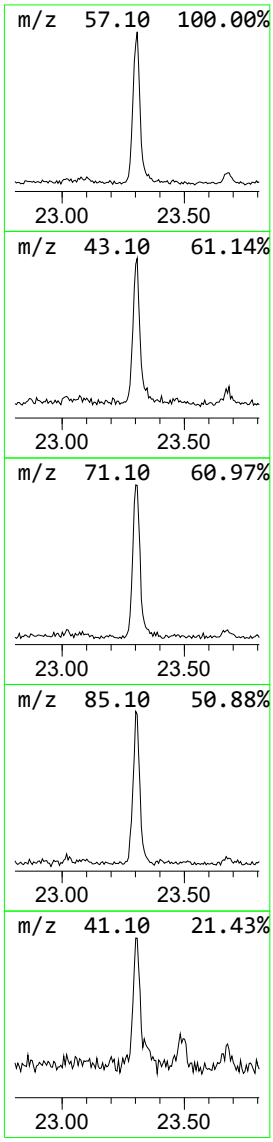
Peak Number 13 9-Methylheneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.307	2.26 ng	264929	Chrysene-d12	21.648

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methylheneicosane	310	C22H46	070475-51-3	94
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	2-Methylheptacosane	394	C28H58	001561-00-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
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Butane, 2-metho...	3.037	30.6	ng	1288250	1	7.784	843116	20.0
2-Pentanone, 4-...	4.949	6.2	ng	260834	1	7.784	843116	20.0
Benzophenone	15.778	8.9	ng	739388	3	14.407	1667490	20.0
n-Hexadecanoic ...	18.142	7.5	ng	747154	4	17.201	2000290	20.0
Hexadecanoic ac...	19.383	4.3	ng	432161	4	17.201	2000290	20.0
Octadecanoic acid	19.466	2.4	ng	279208	5	21.648	2348920	20.0
Hexadecanoic ac...	19.630	7.2	ng	840914	5	21.648	2348920	20.0
Octadecanoic ac...	20.513	2.4	ng	284625	5	21.648	2348920	20.0
Octadecanoic ac...	20.718	5.8	ng	687395	5	21.648	2348920	20.0
1-Octadecene	21.319	8.5	ng	999723	5	21.648	2348920	20.0
Heptadecane	21.913	2.3	ng	264182	5	21.648	2348920	20.0
Cyclotetracosane	22.577	5.5	ng	640866	5	21.648	2348920	20.0
9-Methylheneico...	23.307	2.3	ng	264929	5	21.648	2348920	20.0

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	27.1	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.8	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.9	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.7	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	46.0	160	210	ug/Kg
98-86-2	Acetophenone	160	U	36.2	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	50.4	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	98.1	U	58.1	98.1	98.1	ug/Kg
67-72-1	Hexachloroethane	160	U	21.6	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.4	160	210	ug/Kg
78-59-1	Isophorone	160	U	40.2	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	71.4	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	79.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.8	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.7	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.8	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	43.4	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	31.0	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	35.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.4	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.7	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.7	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.6	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	59.0	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	33.2	160	210	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.5	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	41.2	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	56.4	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	26.1	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.8	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	61.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.7	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.8	160	210	ug/Kg
86-73-7	Fluorene	160	U	31.0	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	78.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	130	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	40.4	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	34.1	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	31.0	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.7	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.9	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.6	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.9	160	210	ug/Kg
86-74-8	Carbazole	160	U	38.3	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.8	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.8	160	210	ug/Kg
129-00-0	Pyrene	160	U	44.2	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	87.6	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	45.0	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	28.2	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.4	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	72.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.3	160	210	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.5	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	36.2	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.6	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.4	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	55.4	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.6	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.8		35 - 115		57%	SPK: 150
13127-88-3	Phenol-d6	87.1		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.6		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	51.5	*	54 - 127		51%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79				
1146-65-2	Naphthalene-d8	552000	10.554				
15067-26-2	Acenaphthene-d10	388000	14.395				
1517-22-2	Phenanthrene-d10	804000	17.189				
1719-03-5	Chrysene-d12	864000	21.624				
1520-96-3	Perylene-d12	962000	25.001				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB			4.95	ug/Kg
000119-61-9	Benzophenone	290	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J			18.1	ug/Kg
006385-15-5	Heptafluorobutyric acid, hexadecyl	190	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Time: Aug 15 05:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

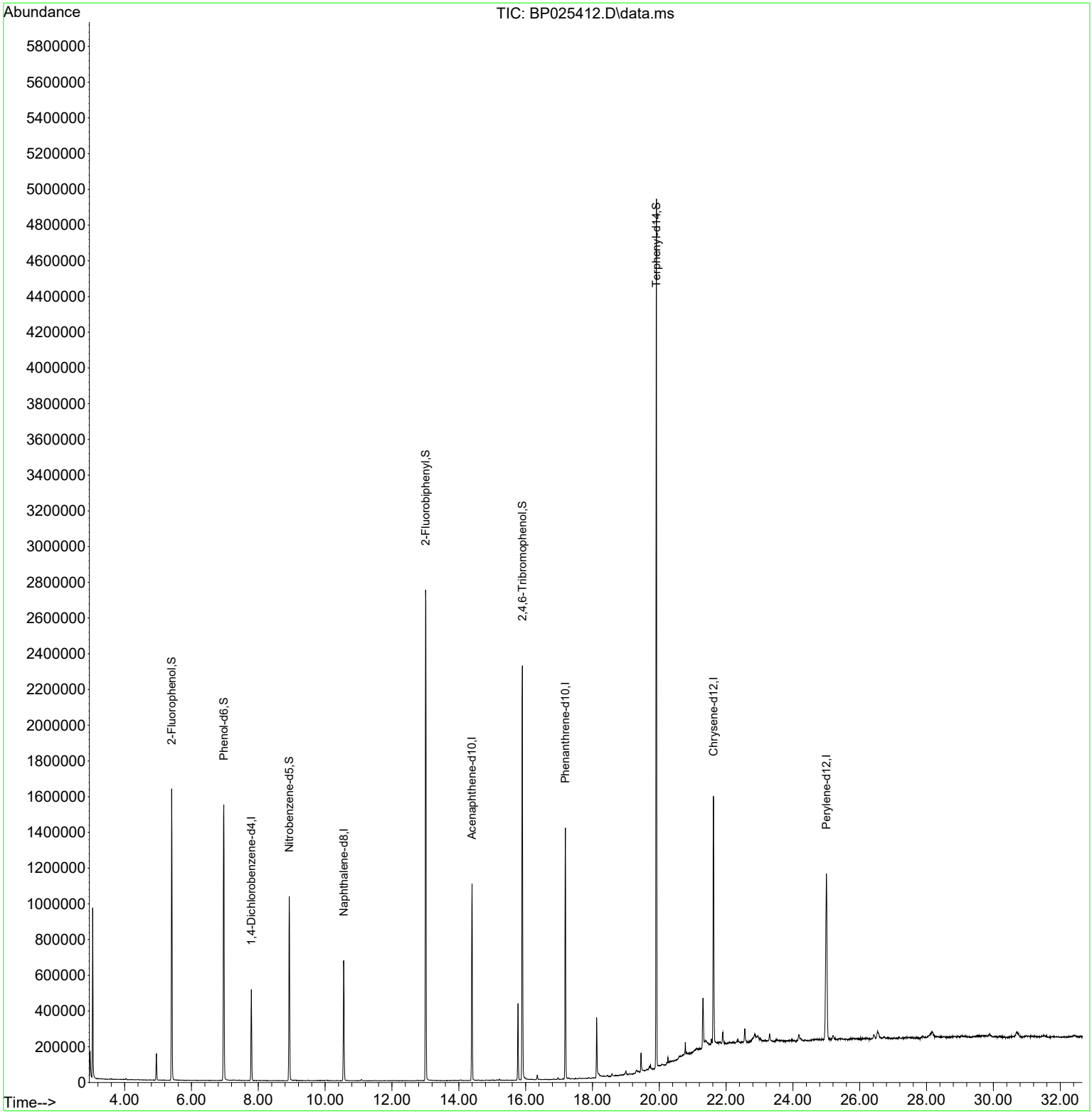
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	134998	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	552076	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	387613	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	803578	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	864078	20.000	ng	-0.02
86) Perylene-d12	25.001	264	961602	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	697639	85.821	ng	0.00
7) Phenol-d6	6.966	99	907311	87.057	ng	0.00
23) Nitrobenzene-d5	8.925	82	572968	52.500	ng	-0.01
42) 2,4,6-Tribromophenol	15.901	330	461368	88.430	ng	-0.01
45) 2-Fluorobiphenyl	13.007	172	1434920	50.594	ng	-0.01
79) Terphenyl-d14	19.913	244	2430881	51.471	ng	0.00
Target Compounds						Qvalue

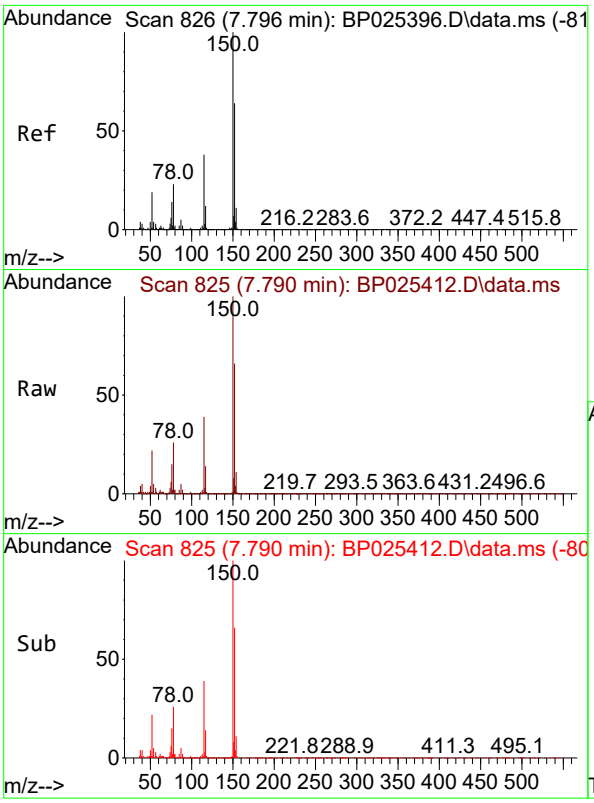
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Time: Aug 15 05:04:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



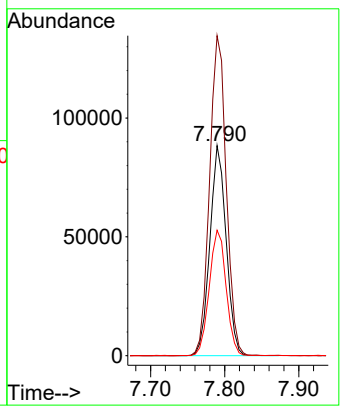


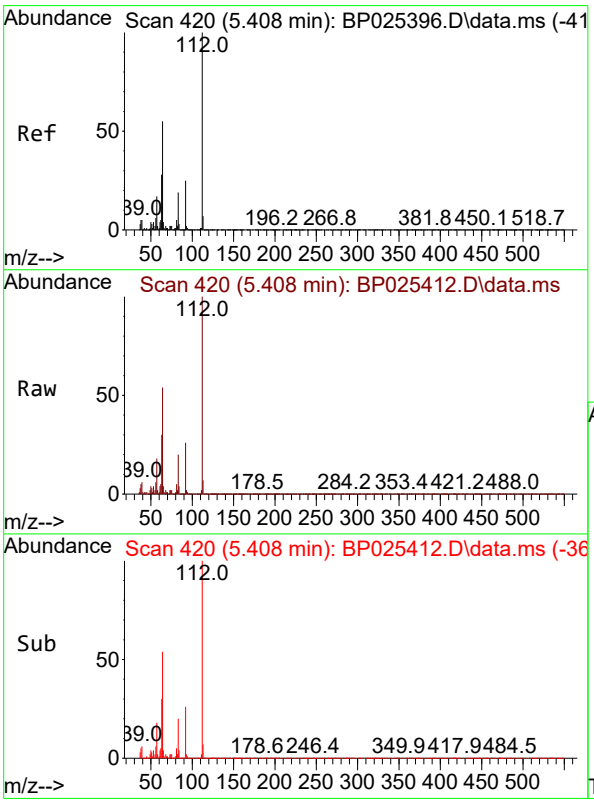
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion:152 Resp: 134998

Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.9	188.9
115	59.7	48.5	72.7

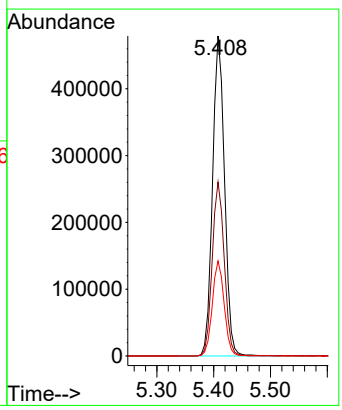


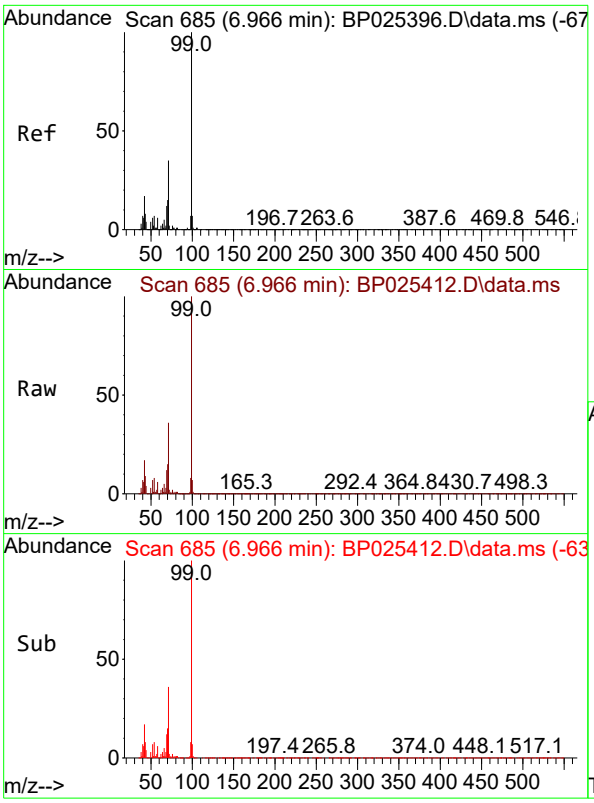


#5
2-Fluorophenol
Concen: 85.821 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:112 Resp: 697639

Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.7	22.7	34.1



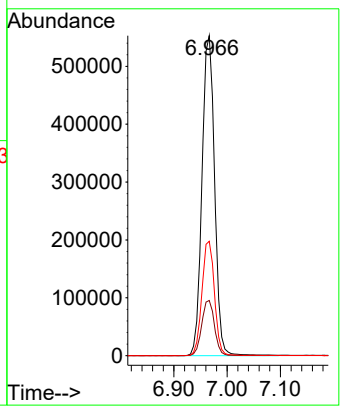


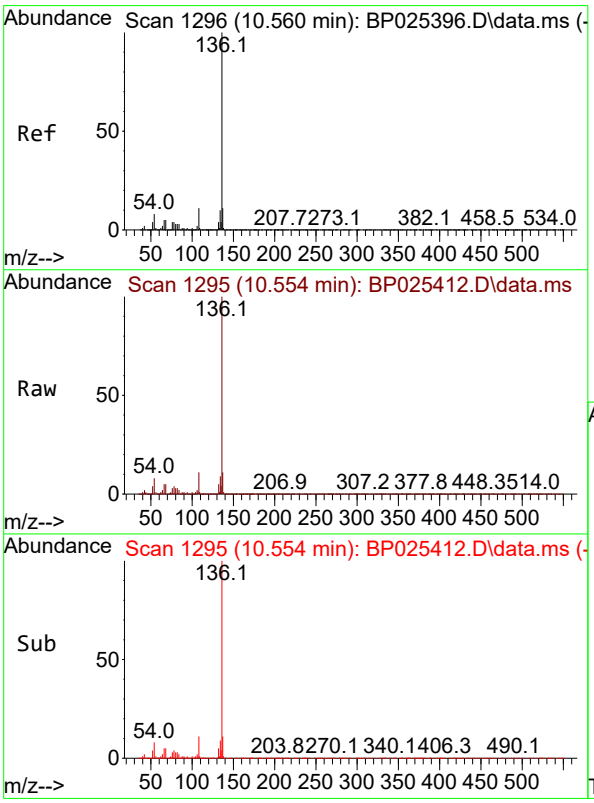
#7
Phenol-d6
Concen: 87.057 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion: 99 Resp: 907311

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	35.7	28.2	42.4

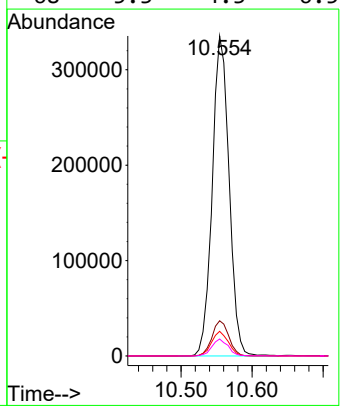


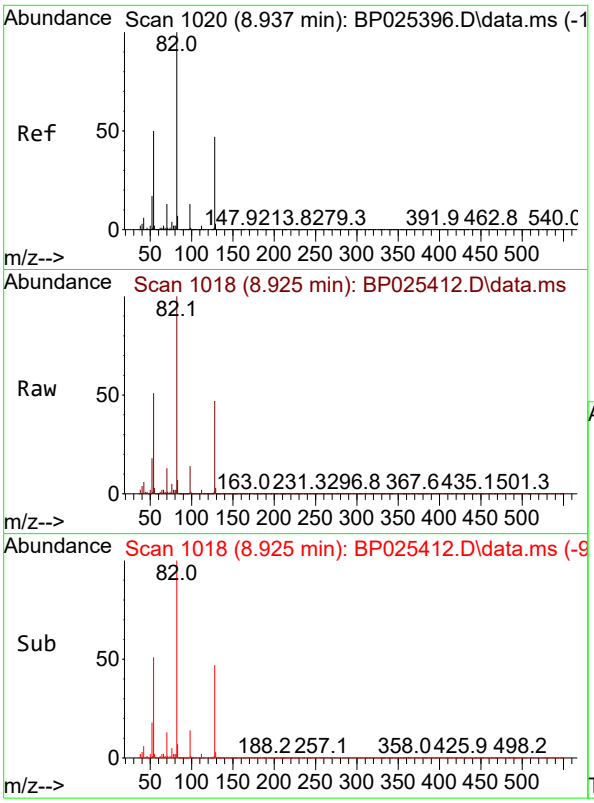


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:136 Resp: 552076

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



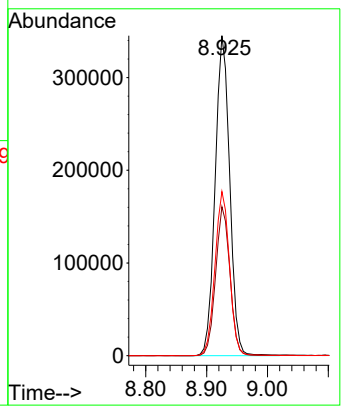


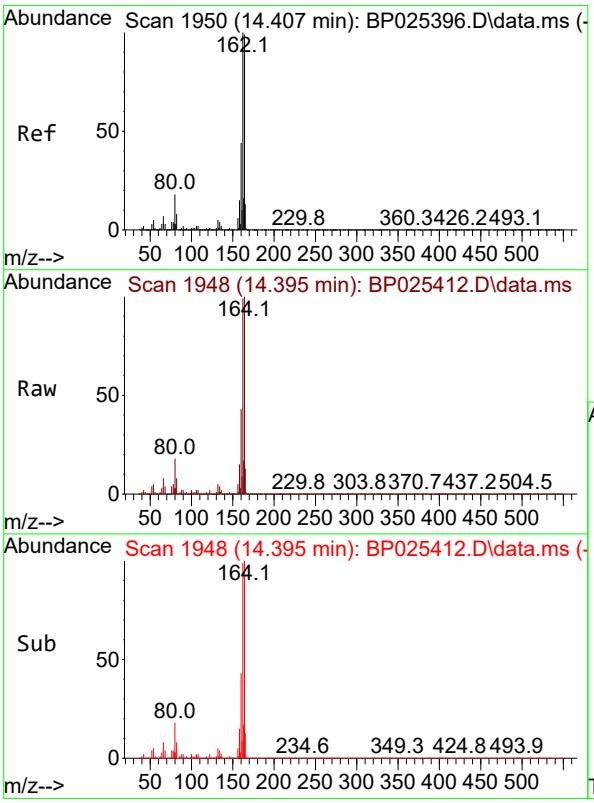
#23
Nitrobenzene-d5
Concen: 52.500 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion: 82 Resp: 572968

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	51.3	39.8	59.6

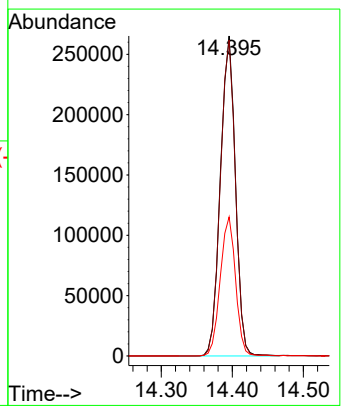


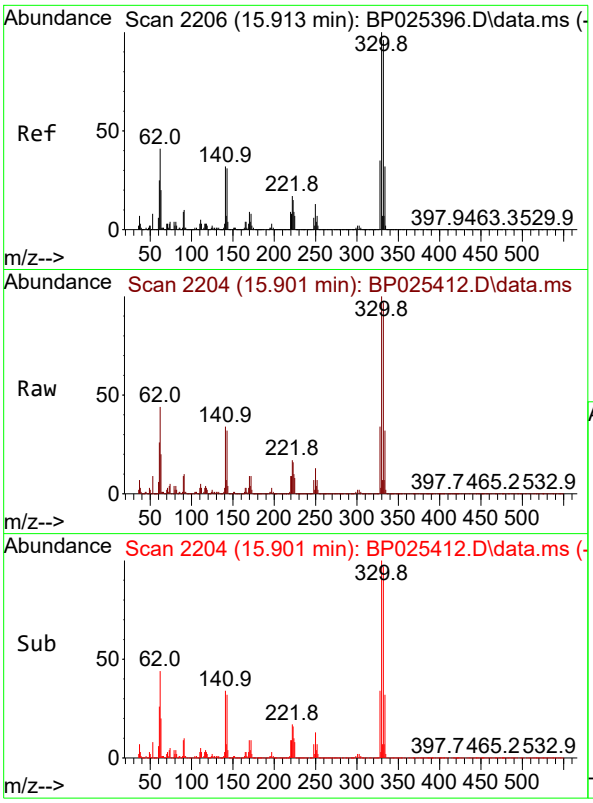


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:164 Resp: 387613

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	43.5	35.4	53.2



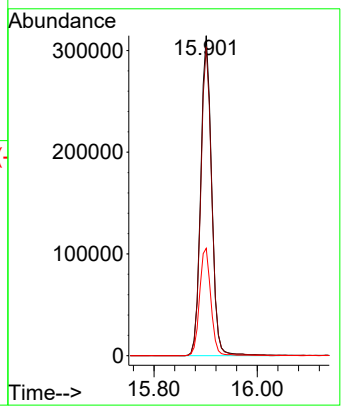


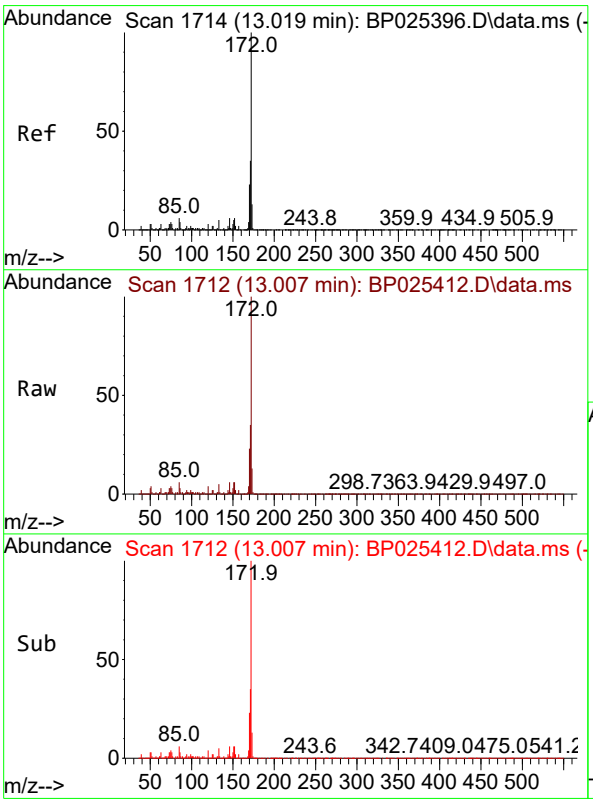
#42
2,4,6-Tribromophenol
Concen: 88.430 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion:330 Resp: 461368

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	34.7	26.6	39.8

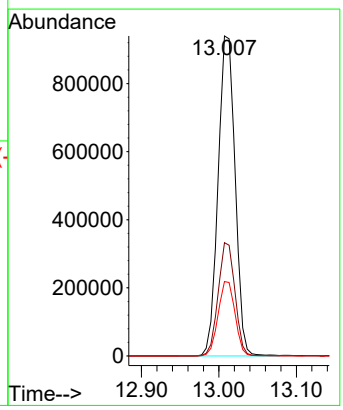


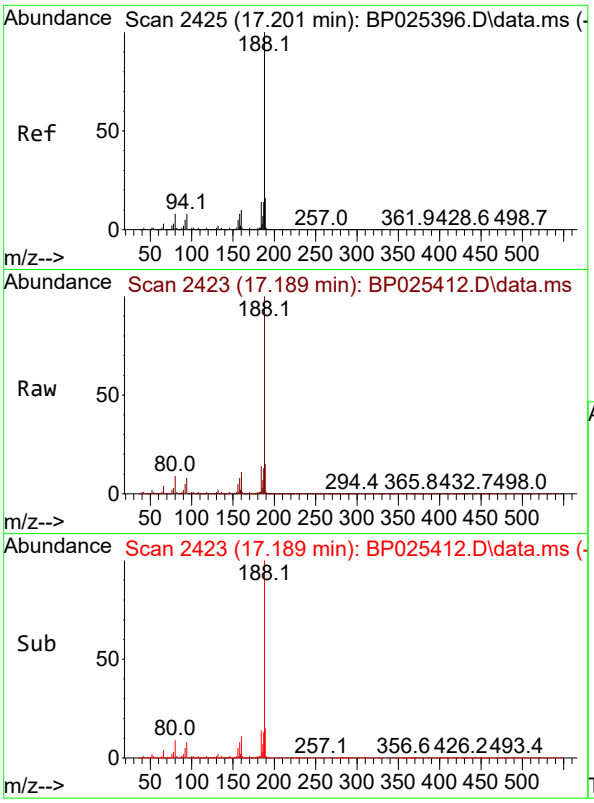


#45
2-Fluorobiphenyl
Concen: 50.594 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:172 Resp: 1434920

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.3	18.6	28.0



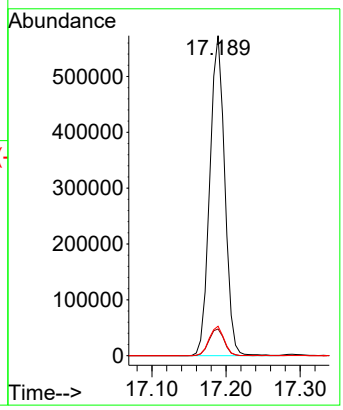


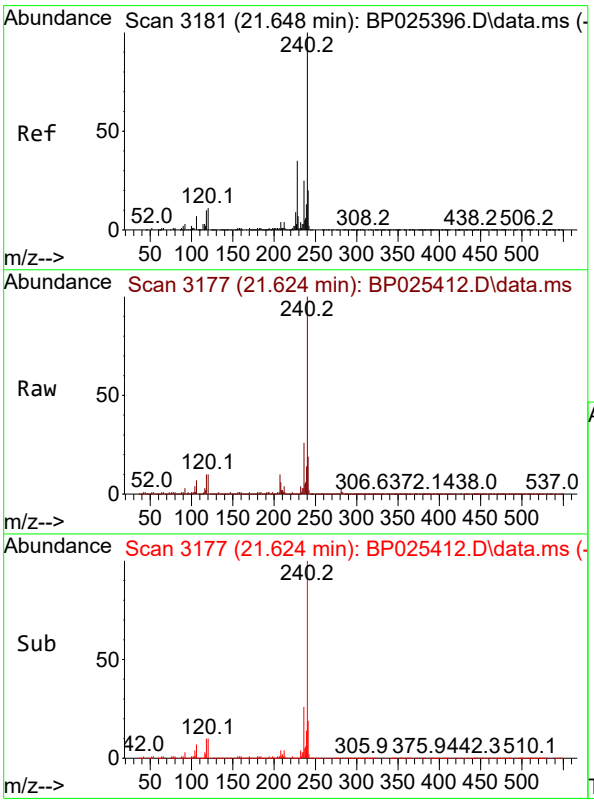
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion:188 Resp: 803578

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.2	6.7	10.1

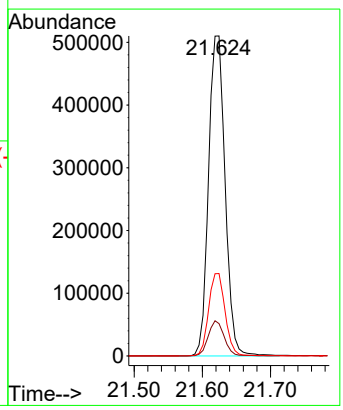


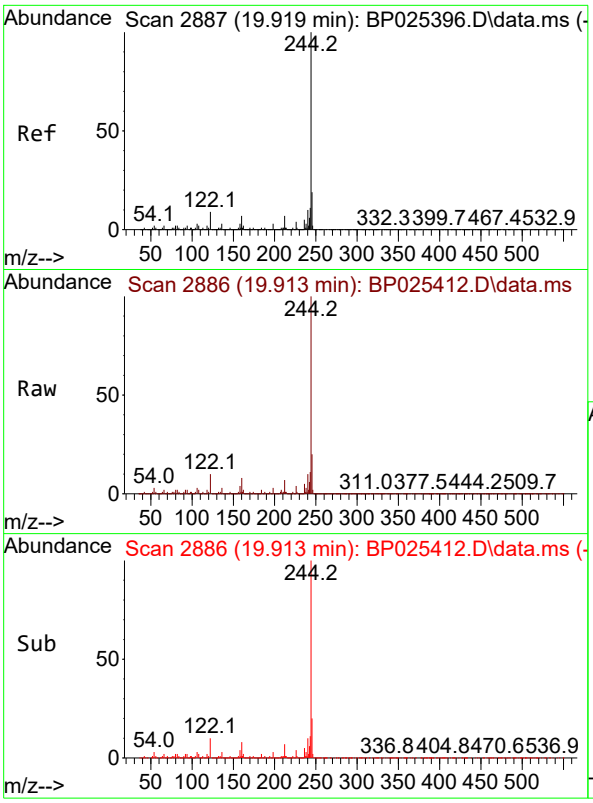


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.023 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:240 Resp: 864078

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.7	19.8	29.8



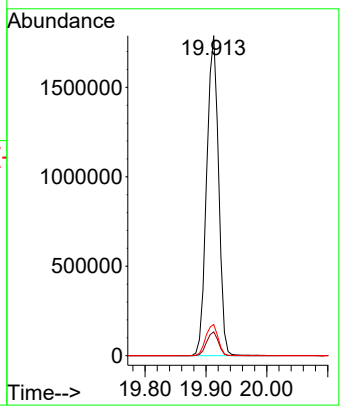


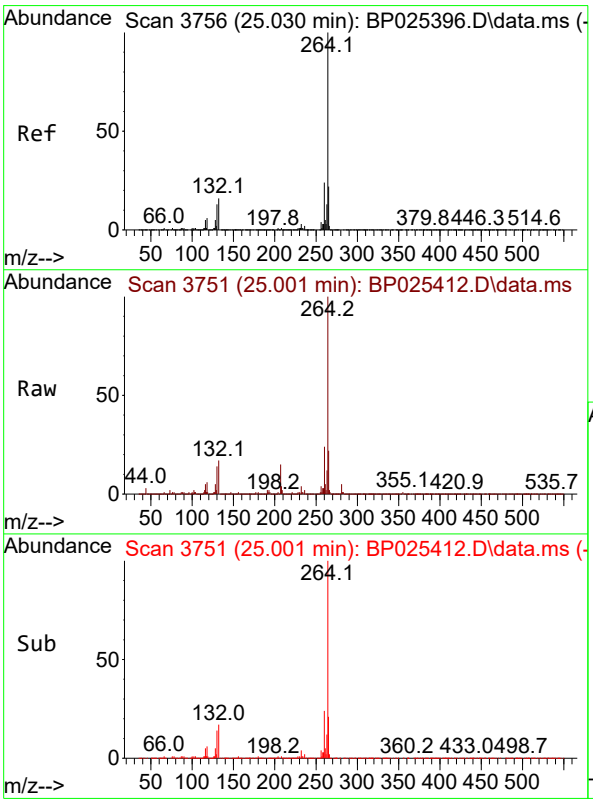
#79
Terphenyl-d14
Concen: 51.471 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Instrument :
BNA_P
ClientSampleId :
10P-E

Tgt Ion:244 Resp: 2430881

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.8	7.4	11.2

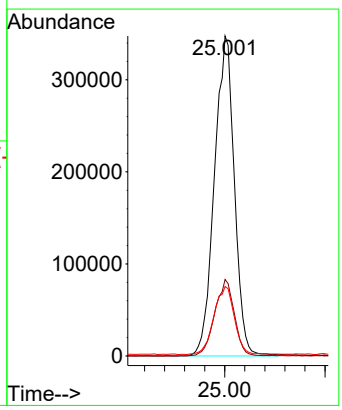




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025412.D
Acq: 15 Aug 2025 03:45

Tgt Ion:264 Resp: 961602

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.7	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025412.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	141839	188700	2.85%	0.546%
2	3.043	13	18	32	rVB	955331	1143321	17.30%	3.305%
3	4.949	336	342	349	rBV	148855	206859	3.13%	0.598%
4	5.408	413	420	432	rBV	1632258	2382440	36.04%	6.888%
5	6.966	677	685	705	rBV	1542377	2552303	38.61%	7.379%
6	7.790	818	825	835	rBV	510499	792238	11.99%	2.290%
7	8.925	1008	1018	1031	rBV	1030532	1709211	25.86%	4.941%
8	10.554	1286	1295	1304	rBV	673089	1119762	16.94%	3.237%
9	13.007	1705	1712	1725	rBV	2746872	4165161	63.02%	12.041%
10	14.395	1940	1948	1960	rBV	1100587	1628369	24.64%	4.708%
11	15.772	2174	2182	2191	rBV	429663	586223	8.87%	1.695%
12	15.901	2196	2204	2214	rBV	2319605	3486159	52.74%	10.078%
13	17.189	2416	2423	2429	rBV	1407862	1990294	30.11%	5.754%
14	18.125	2577	2582	2591	rBV	337164	507935	7.68%	1.468%
15	19.454	2803	2808	2816	rBV2	109038	177134	2.68%	0.512%
16	19.913	2879	2886	2893	rBV	4865904	6609648	100.00%	19.108%
17	21.307	3118	3123	3129	rBV2	276691	526958	7.97%	1.523%
18	21.618	3171	3176	3187	rVB	1380415	2295244	34.73%	6.635%
19	25.001	3742	3751	3763	rVB	927784	2522489	38.16%	7.292%

Sum of corrected areas: 34590448

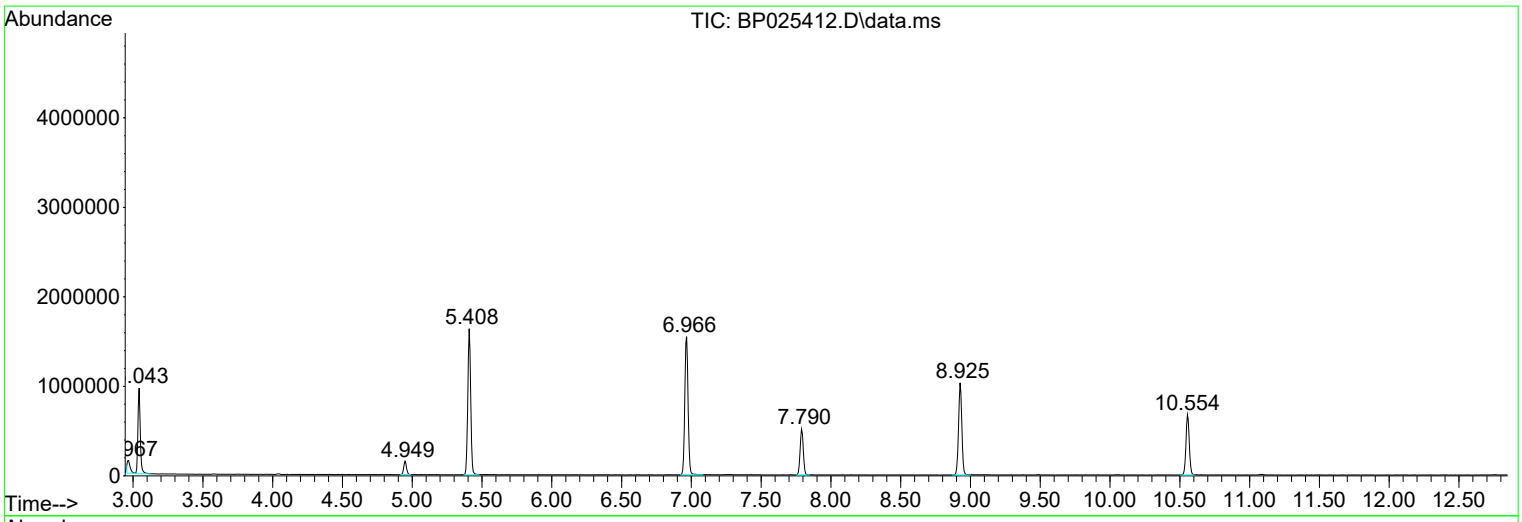
Sample Results: **BP025412.D**

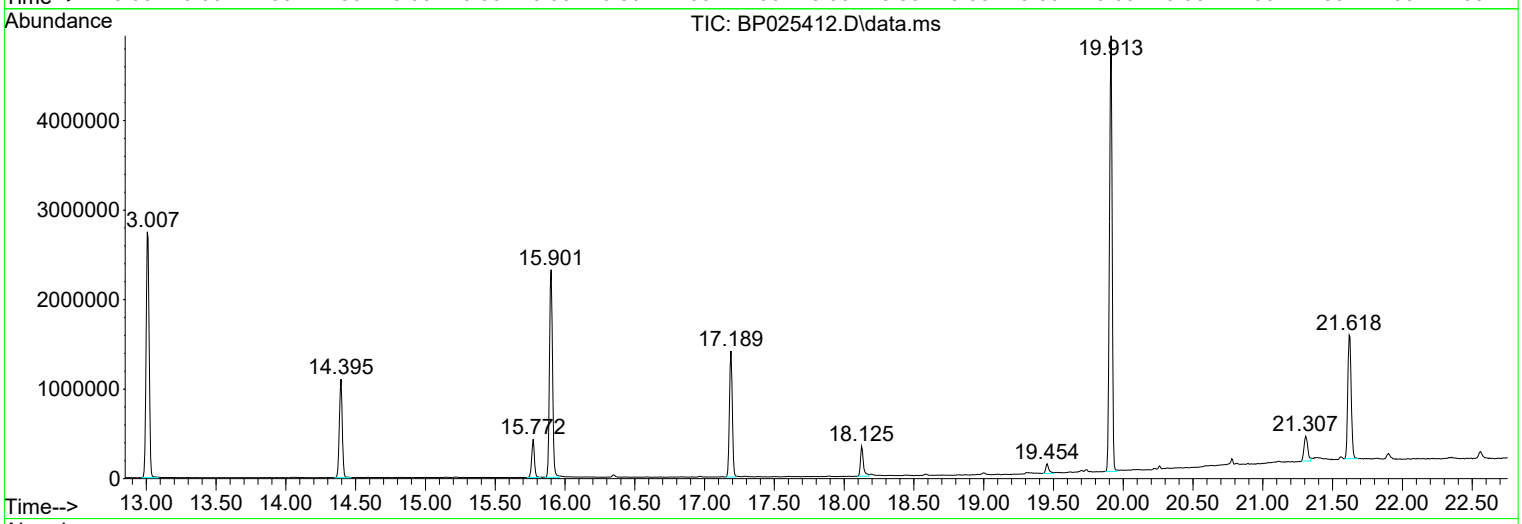
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

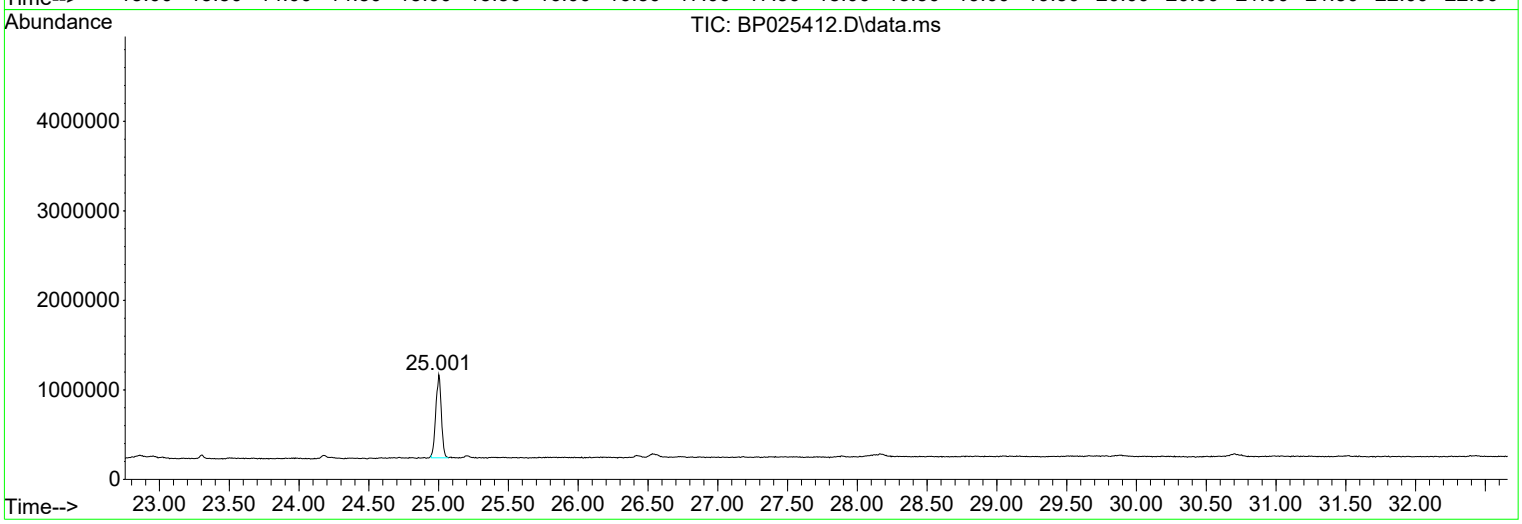
Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

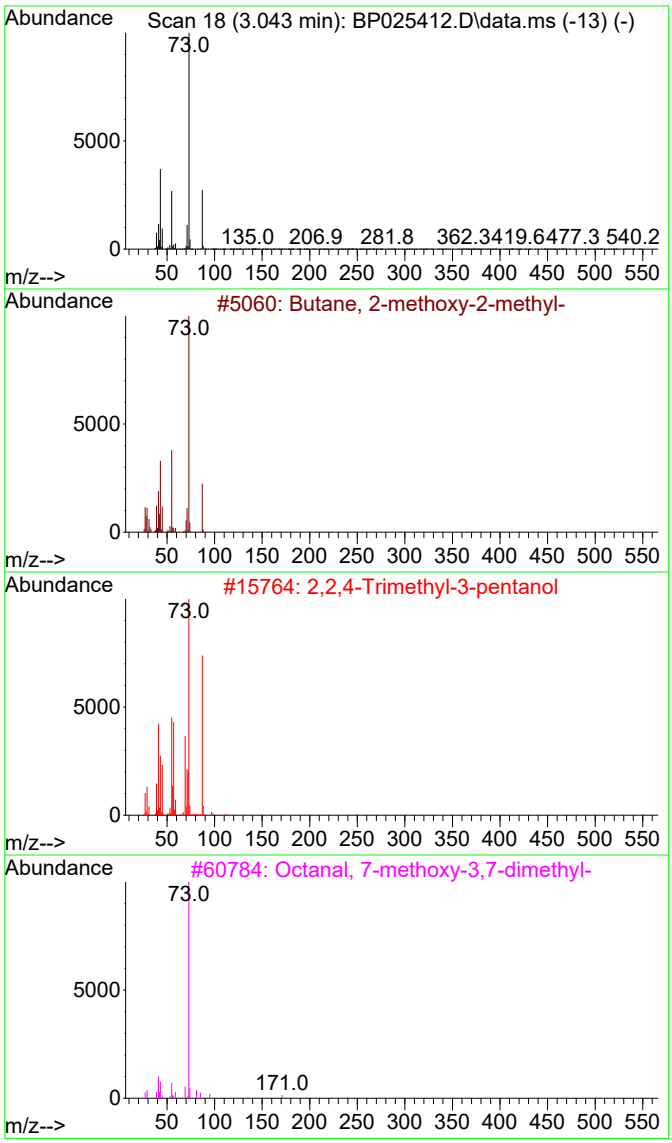
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

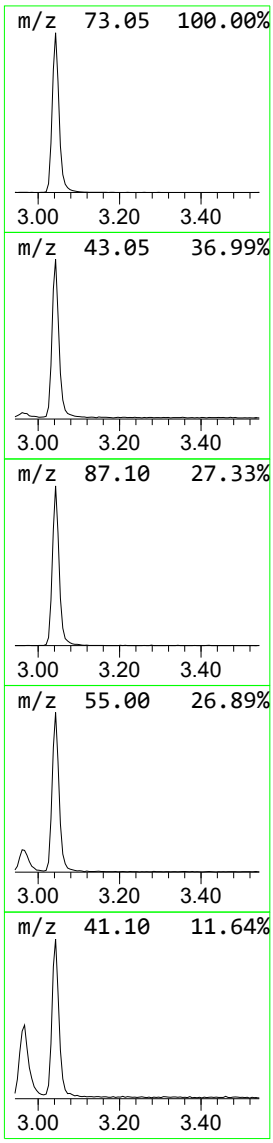
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	28.86 ng	1143320	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

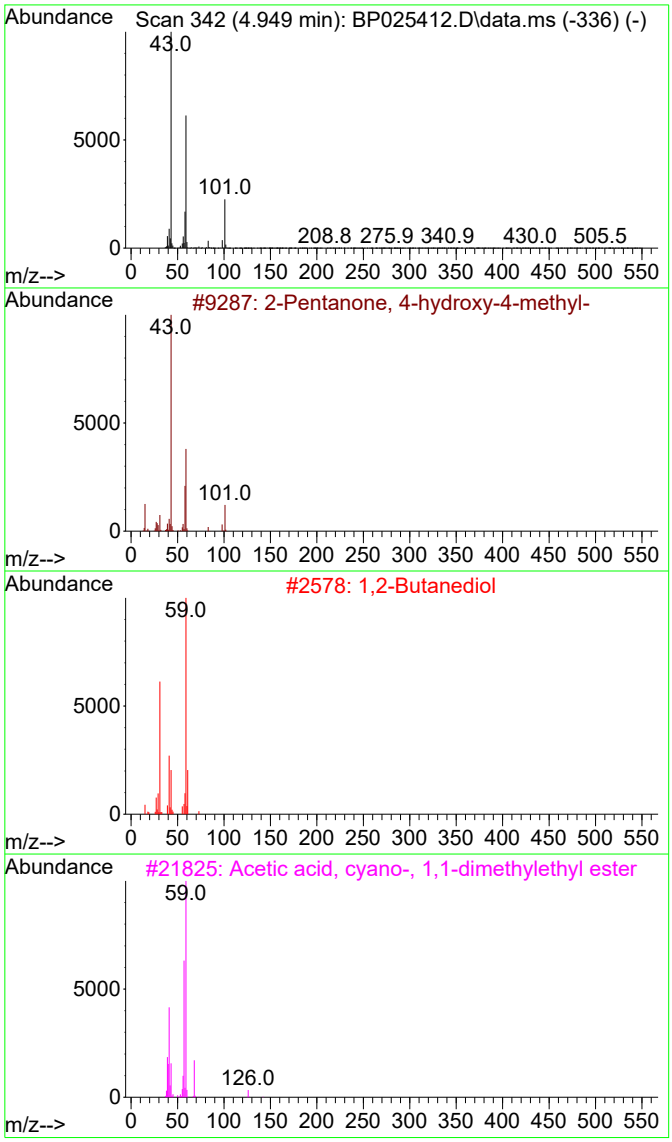
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

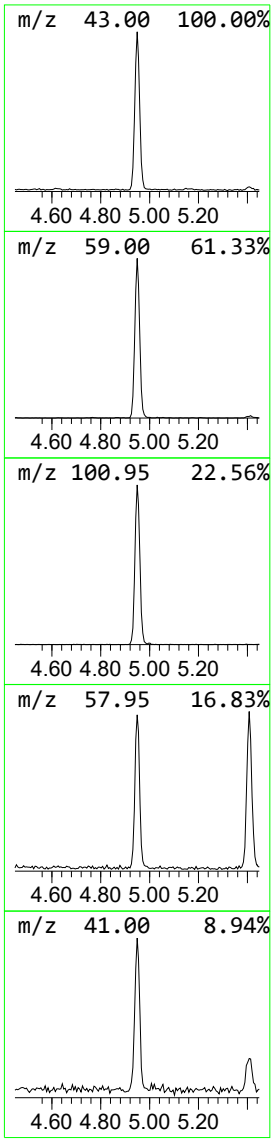
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	5.22 ng	206859	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	1,2-Butanediol	90	C4H10O2	000584-03-2	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

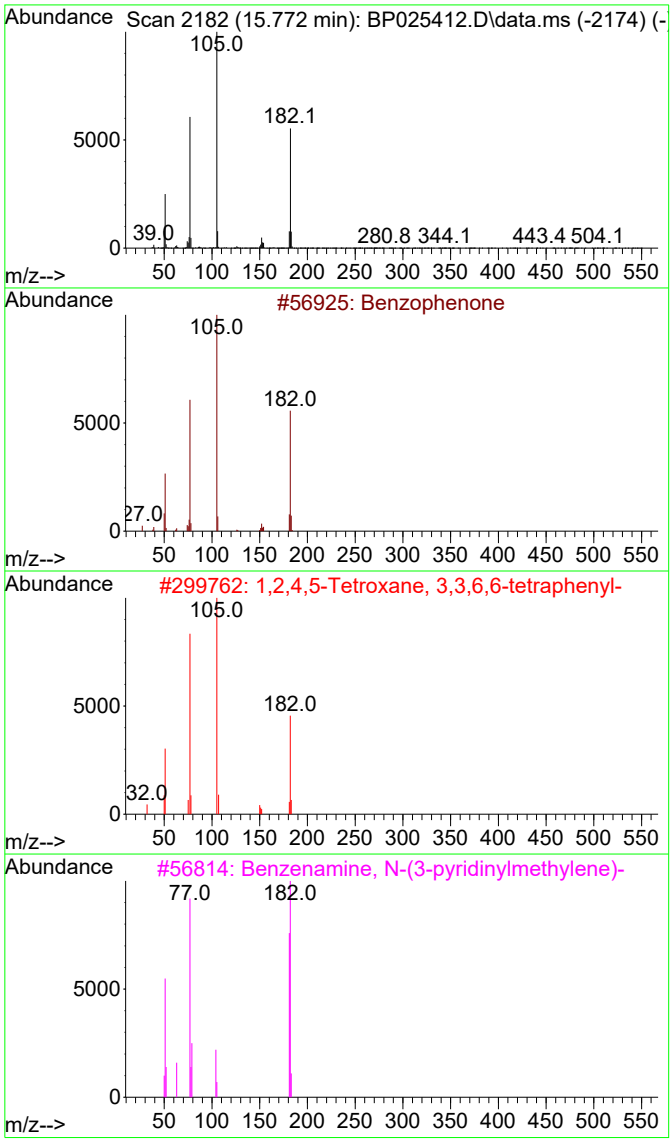
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

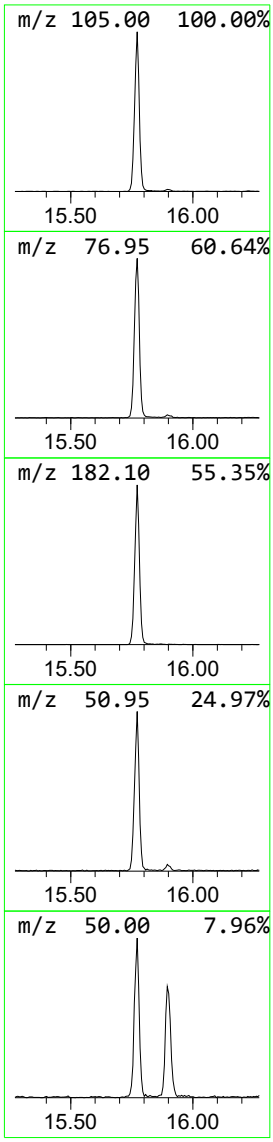
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.20 ng	586223	Acenaphthene-d10	14.395

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45
4	Azobenzene	182	C12H10N2	000103-33-3	42
5	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

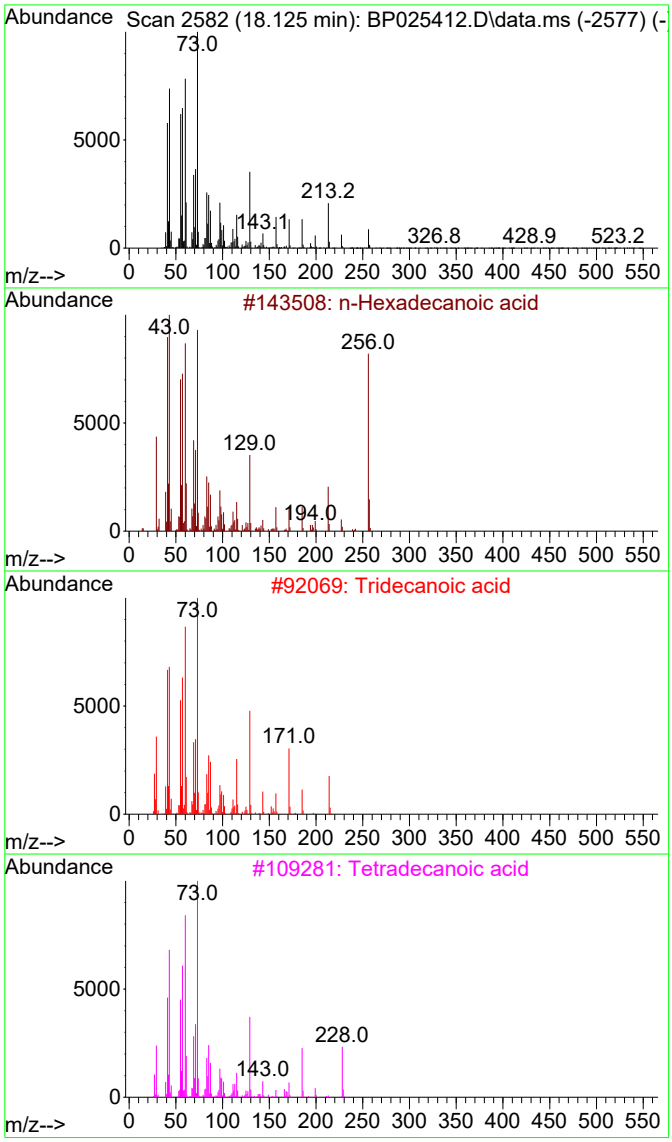
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

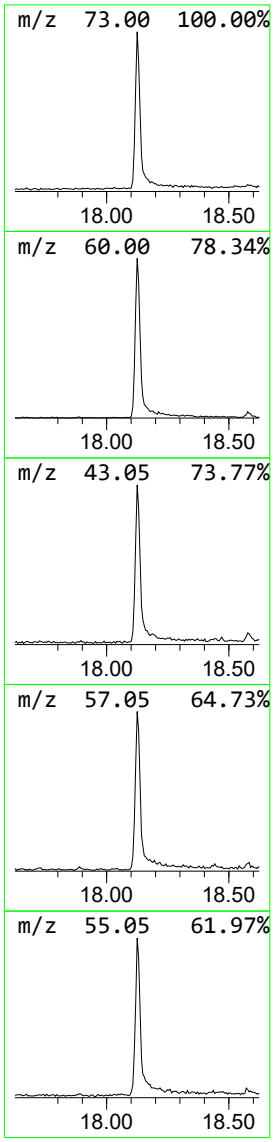
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.125	5.10 ng	507935	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

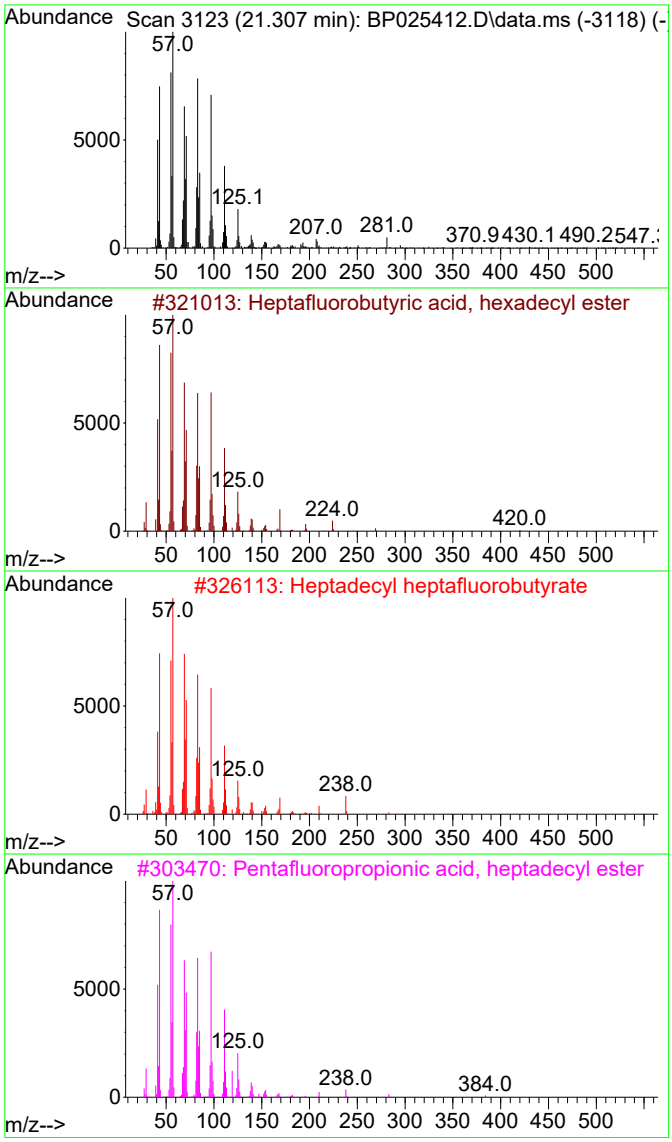
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

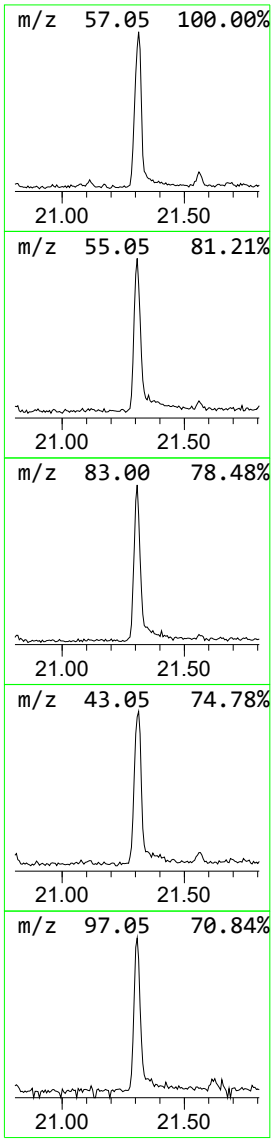
****

Peak Number 6 Heptafluorobutyric acid, he... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	4.59 ng	526958	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	1-Hexacosene	364	C26H52	018835-33-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025412.D
Acq On : 15 Aug 2025 03:45
Operator : CG/JU
Sample : Q2820-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	28.9	ng	1143320	1	7.790	792238	20.0
2-Pentanone, 4-...	4.949	5.2	ng	206859	1	7.790	792238	20.0
Benzophenone	15.772	7.2	ng	586223	3	14.395	1628370	20.0
n-Hexadecanoic ...	18.125	5.1	ng	507935	4	17.189	1990290	20.0
Heptafluorobuty...	21.307	4.6	ng	526958	5	21.624	2295240	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	610	U	350	610	740	ug/Kg
108-95-2	Phenol	290	U	49.8	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	54.8	290	380	ug/Kg
95-57-8	2-Chlorophenol	290	U	55.0	290	380	ug/Kg
95-48-7	2-Methylphenol	290	U	67.4	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	84.6	290	380	ug/Kg
98-86-2	Acetophenone	290	U	66.5	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	92.7	610	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	110	180	180	ug/Kg
67-72-1	Hexachloroethane	290	U	39.7	290	380	ug/Kg
98-95-3	Nitrobenzene	290	U	41.3	290	380	ug/Kg
78-59-1	Isophorone	290	U	74.0	290	380	ug/Kg
88-75-5	2-Nitrophenol	290	U	130	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	150	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	69.5	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	290	U	63.8	290	380	ug/Kg
91-20-3	Naphthalene	290	U	51.2	290	380	ug/Kg
106-47-8	4-Chloroaniline	290	U	79.8	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	57.1	290	380	ug/Kg
105-60-2	Caprolactam	610	U	120	610	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	U	64.7	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	290	U	57.7	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	610	U	260	610	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	290	U	44.7	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	65.6	290	380	ug/Kg
92-52-4	1,1-Biphenyl	290	U	49.2	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	290	U	50.7	290	380	ug/Kg
88-74-4	2-Nitroaniline	290	U	110	290	380	ug/Kg
131-11-3	Dimethylphthalate	290	U	61.1	290	380	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	290	U	65.2	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	75.8	290	380	ug/Kg
99-09-2	3-Nitroaniline	290	U	100	290	380	ug/Kg
83-32-9	Acenaphthene	290	U	48.0	290	380	ug/Kg
51-28-5	2,4-Dinitrophenol	610	U	520	610	740	ug/Kg
100-02-7	4-Nitrophenol	610	U	240	610	740	ug/Kg
132-64-9	Dibenzofuran	290	U	51.2	290	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	110	290	380	ug/Kg
84-66-2	Diethylphthalate	290	U	63.8	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	60.2	290	380	ug/Kg
86-73-7	Fluorene	290	U	57.1	290	380	ug/Kg
100-01-6	4-Nitroaniline	290	U	140	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	U	230	610	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	74.2	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	62.7	290	380	ug/Kg
118-74-1	Hexachlorobenzene	290	U	57.1	290	380	ug/Kg
1912-24-9	Atrazine	290	U	76.7	290	380	ug/Kg
87-86-5	Pentachlorophenol	610	U	120	610	740	ug/Kg
85-01-8	Phenanthrene	290	U	47.1	290	380	ug/Kg
120-12-7	Anthracene	290	U	75.1	290	380	ug/Kg
86-74-8	Carbazole	290	U	70.4	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	110	290	380	ug/Kg
206-44-0	Fluoranthene	290	U	67.7	290	380	ug/Kg
129-00-0	Pyrene	290	U	81.2	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	160	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	U	82.8	610	740	ug/Kg
56-55-3	Benzo(a)anthracene	290	U	51.9	290	380	ug/Kg
218-01-9	Chrysene	290	U	44.9	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	130	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	610	U	200	610	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	U	42.9	290	380	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	290	U	50.5	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	66.5	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	65.6	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	61.8	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	58.0	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	57.7	290	380	ug/Kg
123-91-1	1,4-Dioxane	290	U	100	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	61.8	290	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.3		35 - 115		66%	SPK: 150
13127-88-3	Phenol-d6	95.8		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		37 - 122		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.0		44 - 115		64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		54 - 127		55%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	242000	7.784				
1146-65-2	Naphthalene-d8	874000	10.56				
15067-26-2	Acenaphthene-d10	479000	14.395				
1517-22-2	Phenanthrene-d10	887000	17.201				
1719-03-5	Chrysene-d12	949000	21.654				
1520-96-3	Perylene-d12	1100000	25.036				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	440	J			3.04	ug/Kg
017302-27-1	Nonane, 2,5-dimethyl-	600	J			7.71	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	450	J			7.87	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	440	J			7.98	ug/Kg
013151-35-4	Decane, 5-methyl-	600	J			8.31	ug/Kg
002847-72-5	Decane, 4-methyl-	490	J			8.37	ug/Kg
006975-98-0	Decane, 2-methyl-	650	J			8.45	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
013151-34-3	Decane, 3-methyl-	790	J			8.55	ug/Kg
001120-21-4	Undecane	1800	J			9.01	ug/Kg
1000309-21-8	Sulfurous acid, cyclohexylmethyl n	420	J			9.10	ug/Kg
	unknown9.137	550	J			9.14	ug/Kg
001632-70-8	Undecane, 5-methyl-	490	J			9.25	ug/Kg
017312-54-8	Decane, 3,7-dimethyl-	470	J			9.42	ug/Kg
002980-69-0	Undecane, 4-methyl-	390	J			9.91	ug/Kg
007045-71-8	Undecane, 2-methyl-	540	J			9.99	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	530	J			10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J			18.1	ug/Kg
000506-17-2	cis-Vaccenic acid	4200	J			19.3	ug/Kg
000057-11-4	Octadecanoic acid	1300	J			19.5	ug/Kg
001740-19-8	Dehydroabietic acid	570	J			21.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Time: Aug 21 16:22:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

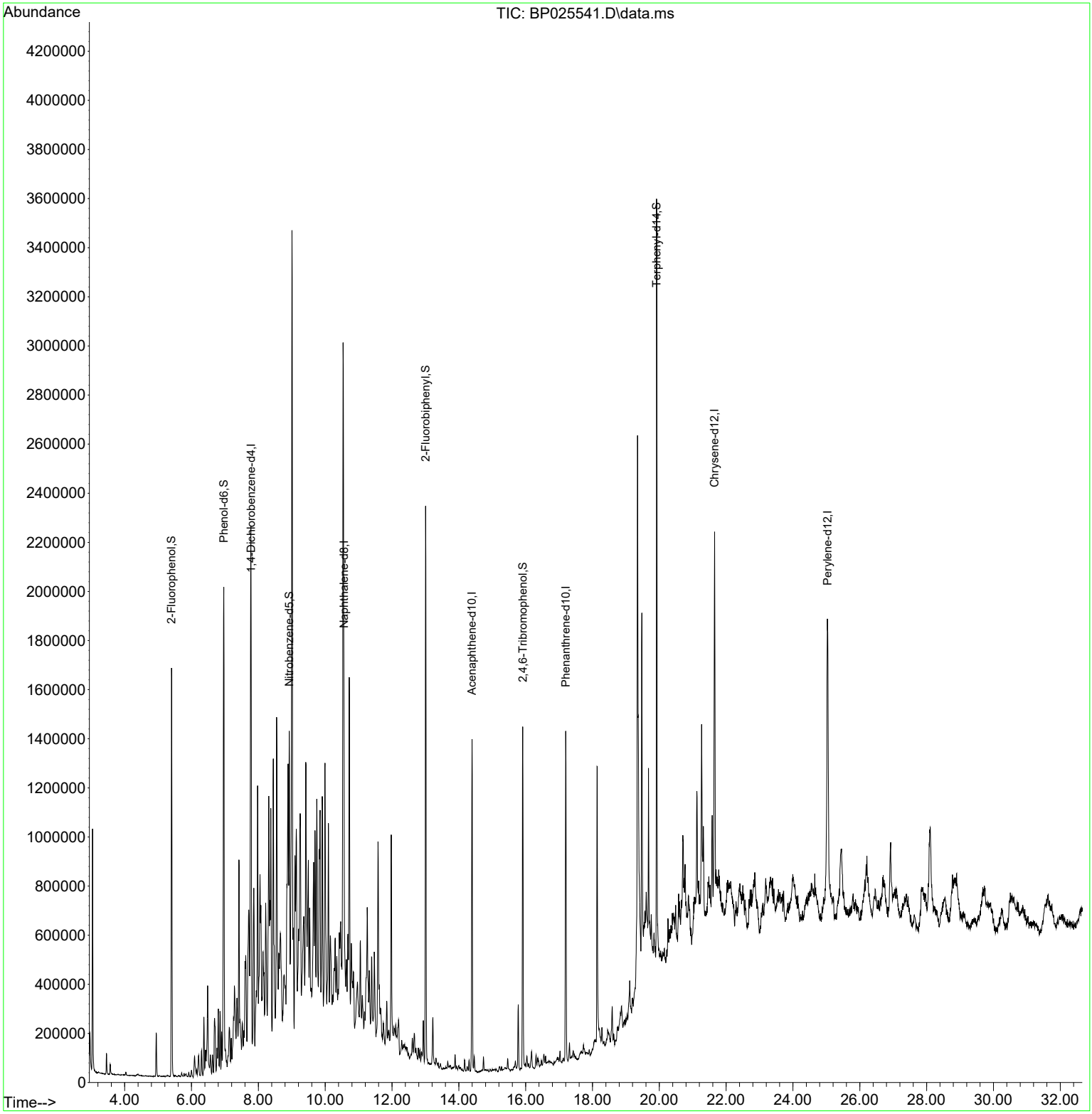
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	242296	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	874020	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	479174	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	886621	20.000	ng	0.00
76) Chrysene-d12	21.654	240	948832	20.000	ng	0.00
86) Perylene-d12	25.036	264	1096230	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	724376	49.649	ng	0.00
7) Phenol-d6	6.966	99	896121	47.907	ng	0.00
23) Nitrobenzene-d5	8.925	82	604853	35.007	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	285441	44.256	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1122701	32.021	ng	-0.01
79) Terphenyl-d14	19.918	244	1438441	27.737	ng	0.00
Target Compounds						Qvalue

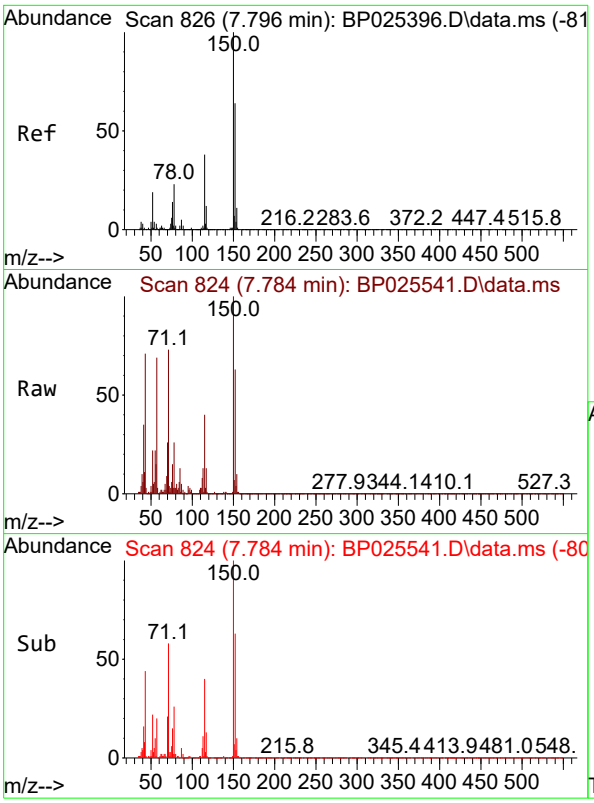
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Time: Aug 21 16:22:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



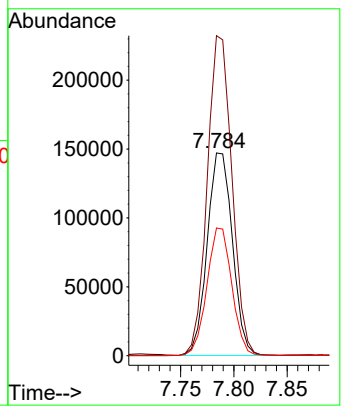


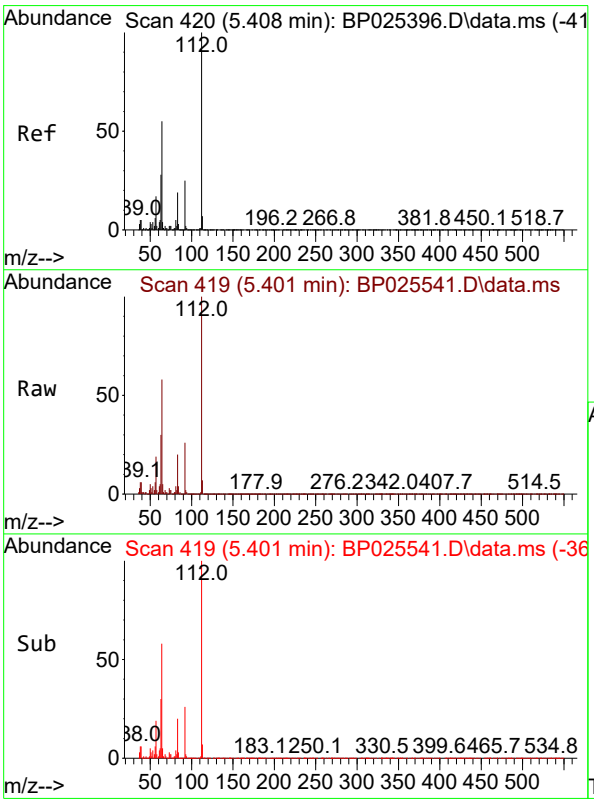
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion:152 Resp: 242296

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	63.0	48.5	72.7

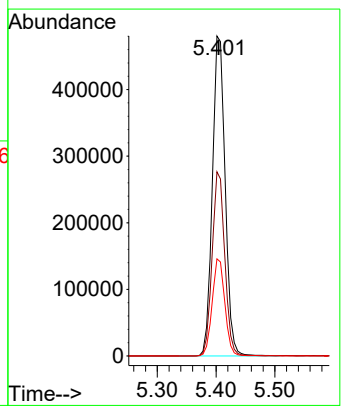


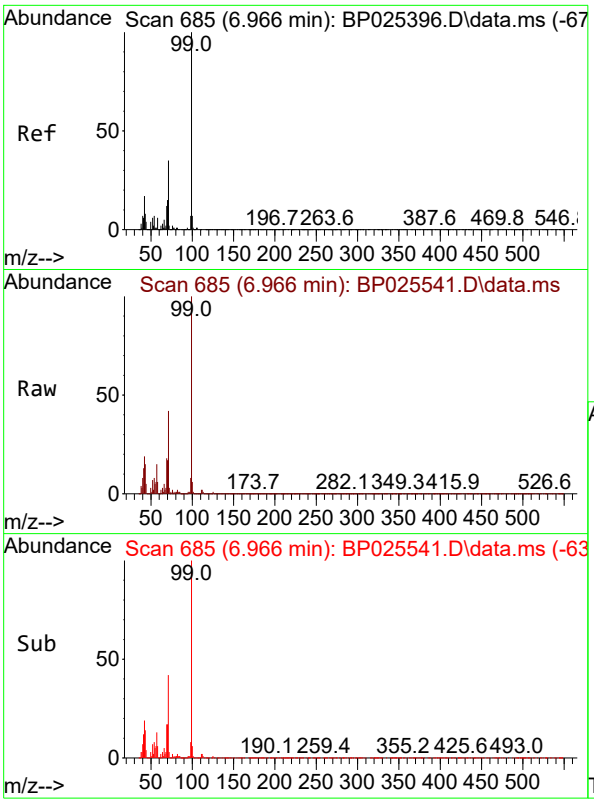


#5
2-Fluorophenol
Concen: 49.649 ng
RT: 5.401 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:112 Resp: 724376

Ion	Ratio	Lower	Upper
112	100		
64	57.6	43.8	65.8
63	30.3	22.7	34.1



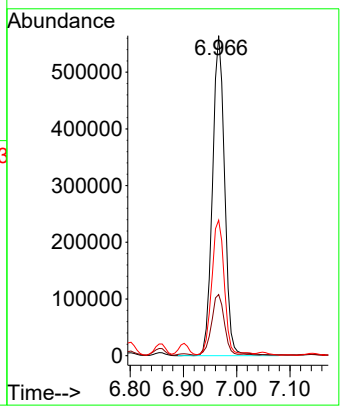


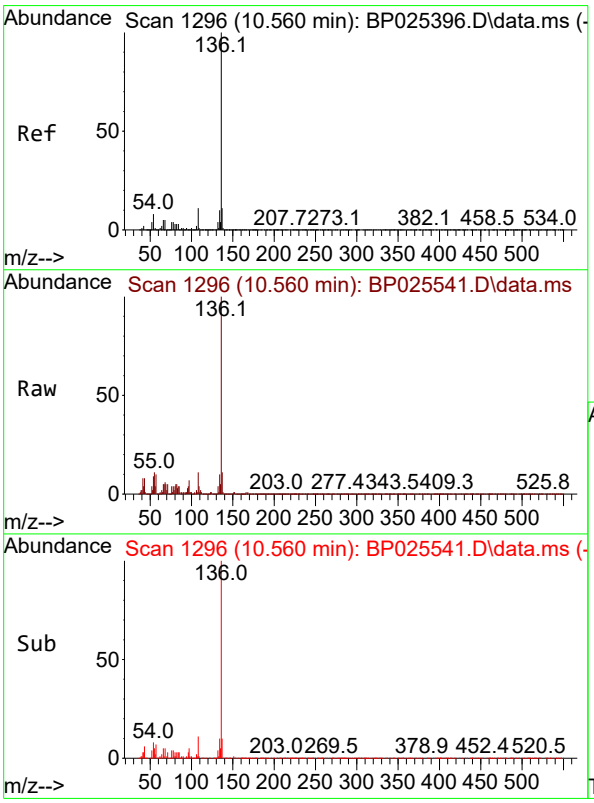
#7
Phenol-d6
Concen: 47.907 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion: 99 Resp: 896121

Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.7	20.5
71	42.3	28.2	42.4

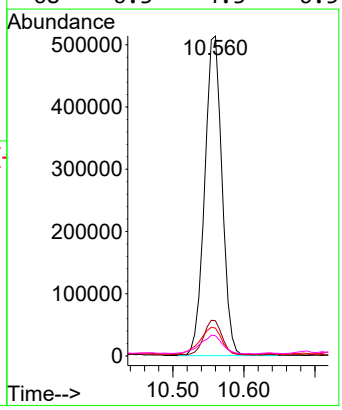


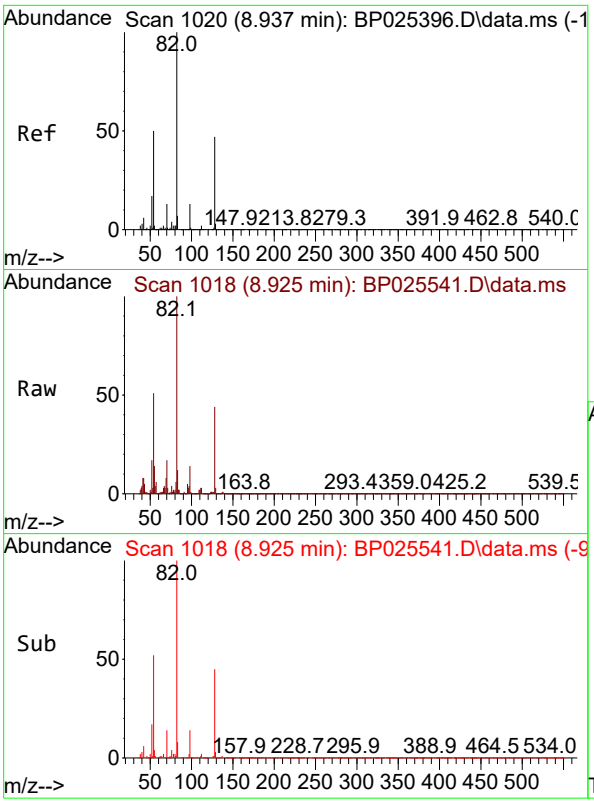


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:136 Resp: 874020

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.7	6.0	9.0
68	6.3	4.3	6.5



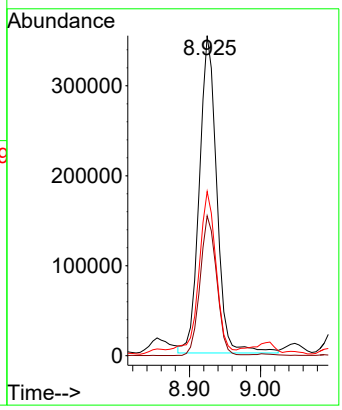


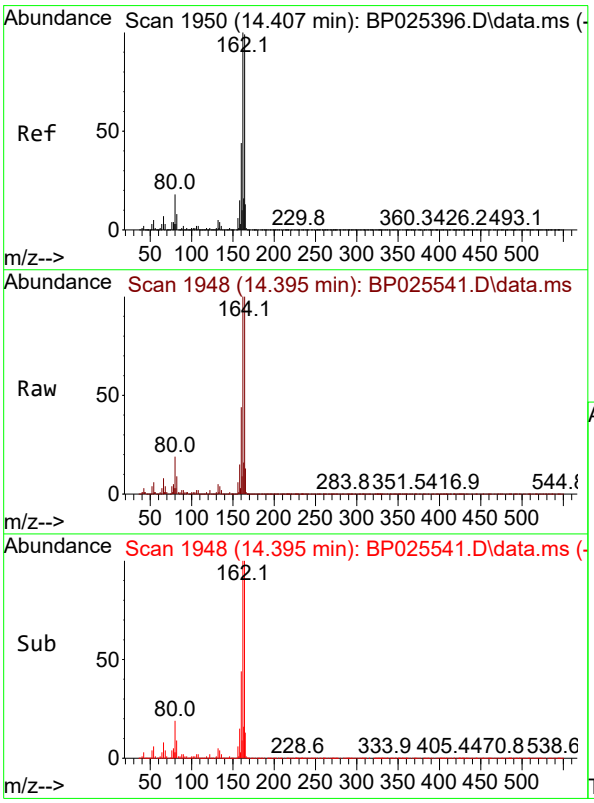
#23
Nitrobenzene-d5
Concen: 35.007 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion: 82 Resp: 604853

Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.7	56.5
54	51.3	39.8	59.6

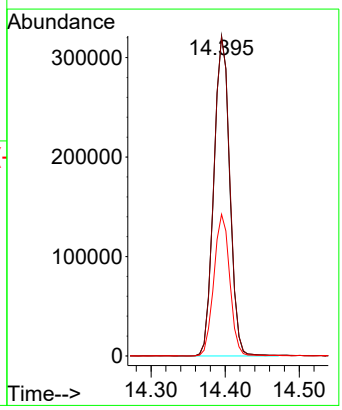


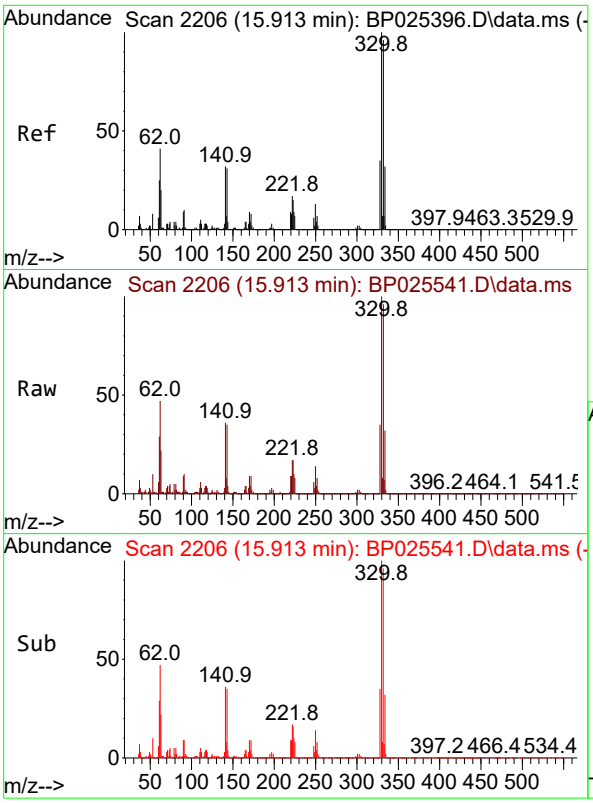


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:164 Resp: 479174

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.6
160	44.3	35.4	53.2



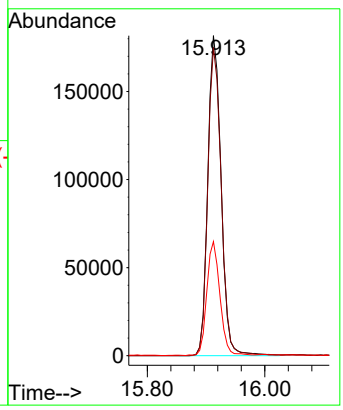


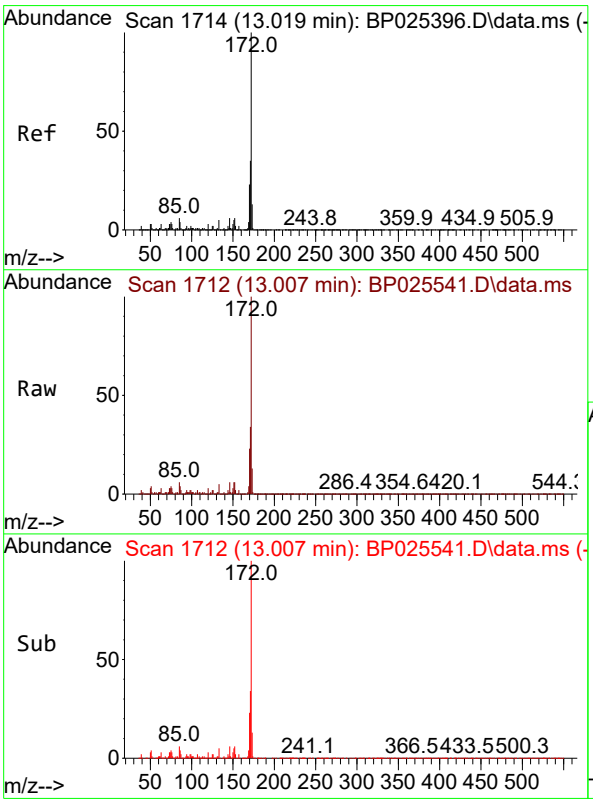
#42
2,4,6-Tribromophenol
Concen: 44.256 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion:330 Resp: 285441

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	35.1	26.6	39.8

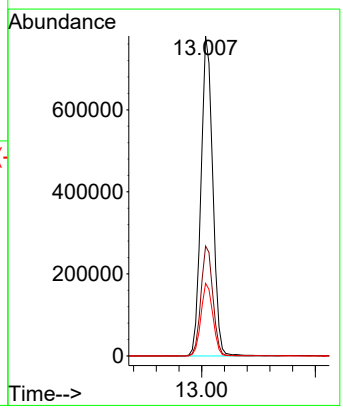


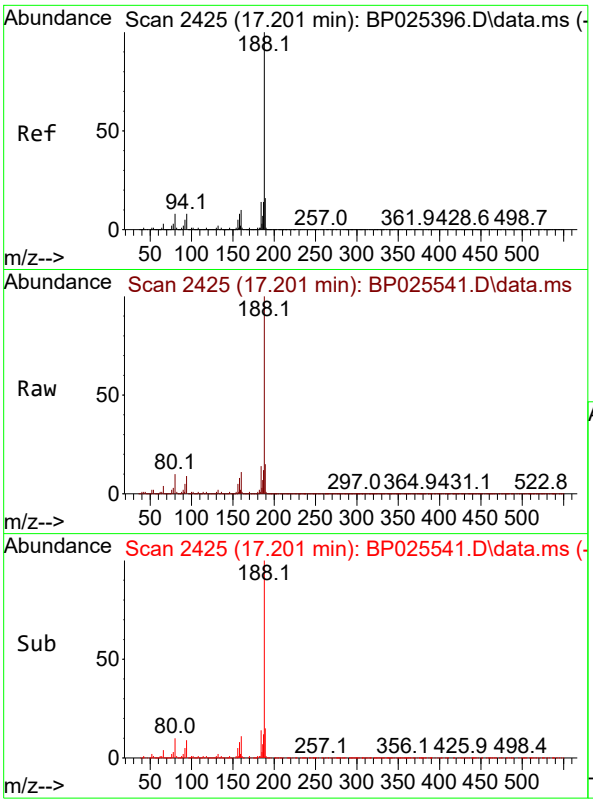


#45
2-Fluorobiphenyl
Concen: 32.021 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:172 Resp: 1122701

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.1	42.1
170	22.7	18.6	28.0



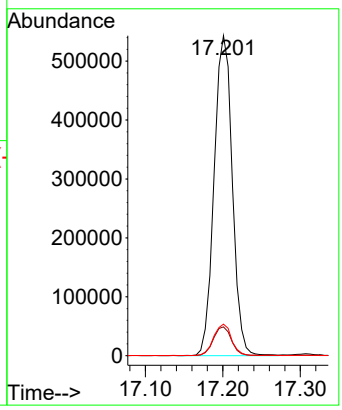


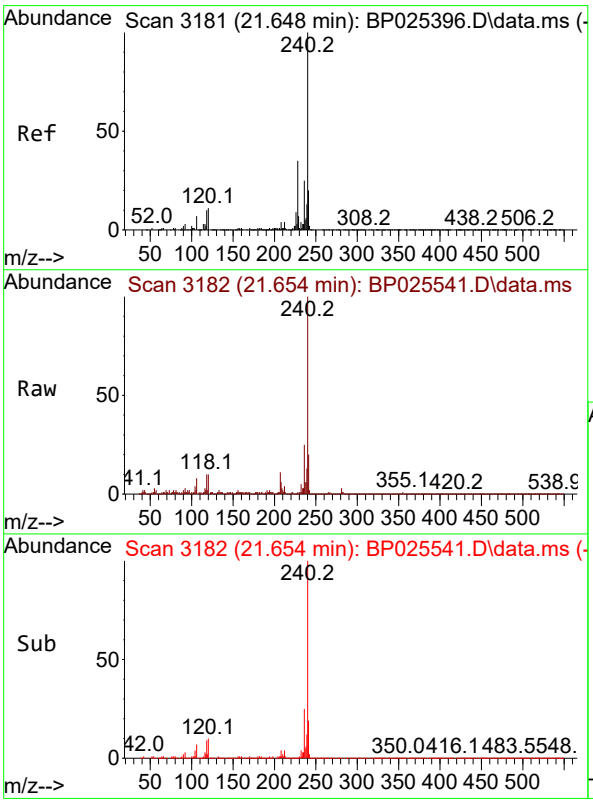
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion:188 Resp: 886621

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.9	6.7	10.1

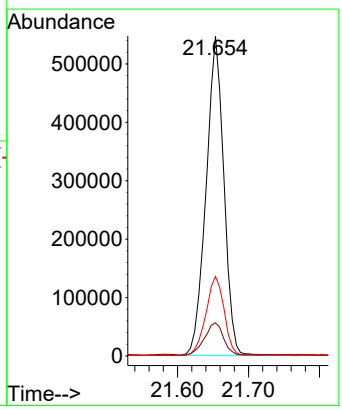


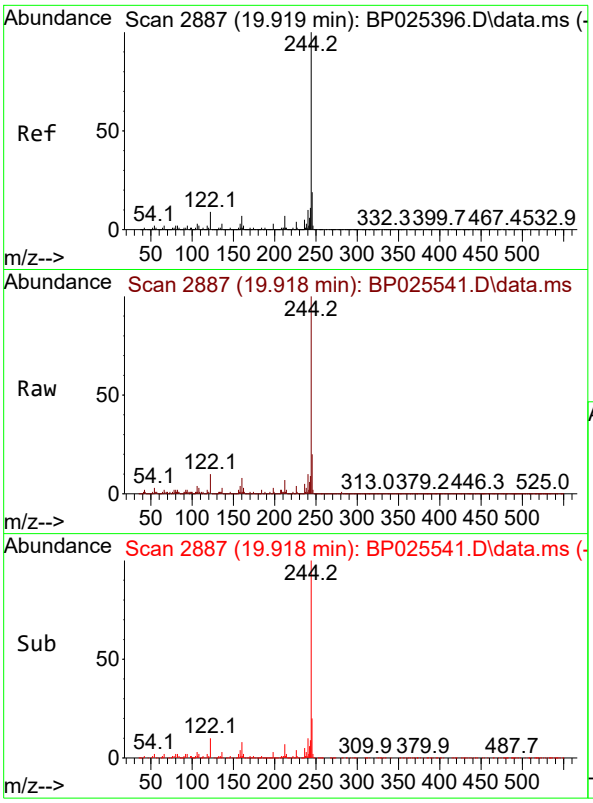


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:240 Resp: 948832

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	24.9	19.8	29.8



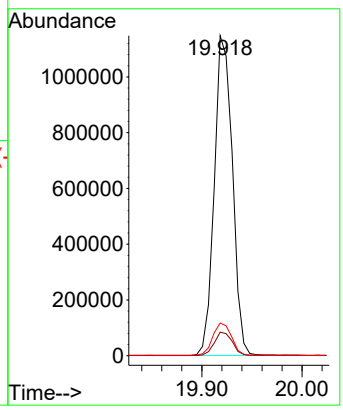


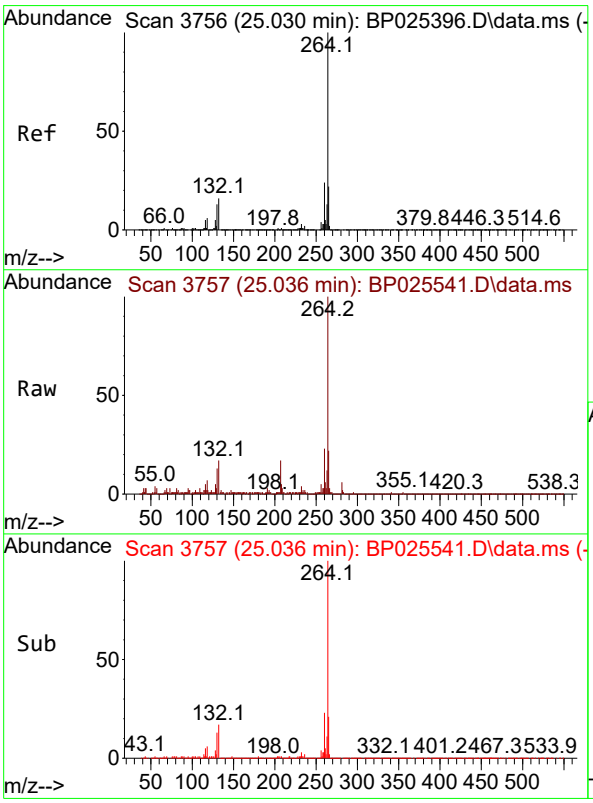
#79
Terphenyl-d14
Concen: 27.737 ng
RT: 19.918 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Instrument :
BNA_P
ClientSampleId :
10P-S

Tgt Ion:244 Resp: 1438441

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	10.2	7.4	11.2

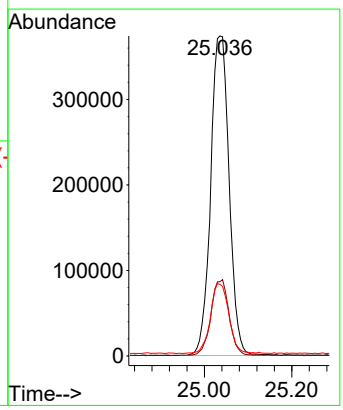




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025541.D
Acq: 21 Aug 2025 15:37

Tgt Ion:264 Resp: 1096230

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.3	17.4	26.0



Sample Results: **BP025541.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025541.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.037	12	17	27	rVB	984235	1228689	19.98%	1.089%
2	3.454	84	88	97	rVB	85935	111464	1.81%	0.099%
3	4.943	336	341	352	rBV	178769	254705	4.14%	0.226%
4	5.401	412	419	432	rBV	1664010	2509124	40.80%	2.225%
5	6.090	529	536	544	rBV4	86362	214597	3.49%	0.190%
6	6.213	550	557	563	rVB	81341	161158	2.62%	0.143%
7	6.301	566	572	578	rBV	103304	161222	2.62%	0.143%
8	6.372	578	584	588	rBV	238363	355923	5.79%	0.316%
9	6.484	595	603	612	rVB	334761	616182	10.02%	0.546%
10	6.566	613	617	623	rVB3	77619	137898	2.24%	0.122%
11	6.631	623	628	633	rBV4	77404	127101	2.07%	0.113%
12	6.690	633	638	646	rBV3	220706	538436	8.76%	0.477%
13	6.766	646	651	653	rBV2	94517	137266	2.23%	0.122%
14	6.801	653	657	662	rVB	233693	318891	5.19%	0.283%
15	6.854	662	666	670	rVB	236816	325138	5.29%	0.288%
16	6.901	670	674	677	rBV3	152619	204830	3.33%	0.182%
17	6.966	677	685	692	rBV	1928631	3424943	55.69%	3.037%
18	7.131	708	713	719	rVB4	143031	306109	4.98%	0.271%
19	7.190	719	723	726	rBV4	96528	137107	2.23%	0.122%
20	7.254	726	734	736	rBV3	169656	317953	5.17%	0.282%
21	7.284	736	739	747	rVB2	224171	464539	7.55%	0.412%
22	7.360	747	752	757	rBV4	166219	301517	4.90%	0.267%
23	7.419	757	762	766	rBV	718209	963795	15.67%	0.854%
24	7.519	775	779	784	rBV3	109371	196639	3.20%	0.174%
25	7.601	789	793	795	rBV2	310898	432920	7.04%	0.384%
26	7.713	803	812	817	rBV5	536407	1687100	27.43%	1.496%
27	7.778	817	823	830	rVB2	2110900	4240825	68.96%	3.760%
28	7.866	831	838	843	rVB2	643484	1281465	20.84%	1.136%
29	7.937	843	850	852	rBV5	226330	494624	8.04%	0.439%
30	7.978	852	857	861	rVB2	887516	1241580	20.19%	1.101%
31	8.048	861	869	872	rBV	525642	1013614	16.48%	0.899%
32	8.142	881	885	888	rBV	196365	324669	5.28%	0.288%
33	8.219	894	898	906	rVB2	459462	858361	13.96%	0.761%
34	8.313	906	914	917	rBV2	893784	1700661	27.65%	1.508%
35	8.372	921	924	930	rVB	908355	1390216	22.61%	1.233%
36	8.448	931	937	941	rBV	1100575	1829545	29.75%	1.622%

Sample Results: **BP025541.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.548	947	954	962	rBV	1226312	2234264	36.33%	1.981%
38	8.613	962	965	968	rBV	146463	214608	3.49%	0.190%
39	8.772	986	992	996	rBV5	156424	410091	6.67%	0.364%
40	8.854	1001	1006	1007	rBV2	490264	596126	9.69%	0.529%
41	8.889	1008	1012	1015	rVV2	865662	1507341	24.51%	1.336%
42	8.925	1015	1018	1023	rVB	961100	1382656	22.48%	1.226%
43	9.007	1023	1032	1037	rBV	2989850	5168216	84.04%	4.582%
44	9.095	1043	1047	1050	rBV2	705623	1186004	19.28%	1.052%
45	9.137	1050	1054	1059	rVV3	777512	1563070	25.42%	1.386%
46	9.207	1062	1066	1068	rVV3	323614	585914	9.53%	0.519%
47	9.254	1068	1074	1080	rVB4	748403	1886015	30.67%	1.672%
48	9.419	1097	1102	1109	rBV2	910918	1794352	29.18%	1.591%
49	9.495	1109	1115	1119	rVV4	524853	1009750	16.42%	0.895%
50	9.537	1119	1122	1128	rVB	338905	489924	7.97%	0.434%
51	9.654	1134	1142	1145	rBV2	533351	1052960	17.12%	0.934%
52	9.695	1145	1149	1154	rVV2	667841	1162707	18.91%	1.031%
53	9.748	1154	1158	1166	rVV3	800925	1426568	23.20%	1.265%
54	9.831	1166	1172	1173	rVV	603063	999304	16.25%	0.886%
55	9.848	1173	1175	1179	rVV	764525	887368	14.43%	0.787%
56	9.913	1179	1186	1192	rVB2	855364	1506943	24.50%	1.336%
57	9.995	1194	1200	1209	rVB2	981640	2055052	33.42%	1.822%
58	10.095	1209	1217	1222	rBV2	736367	1152847	18.75%	1.022%
59	10.154	1222	1227	1236	rVB4	281504	674943	10.97%	0.598%
60	10.272	1242	1247	1248	rBV3	135882	218499	3.55%	0.194%
61	10.301	1248	1252	1256	rVV3	257136	421795	6.86%	0.374%
62	10.348	1256	1260	1264	rVB4	178929	274201	4.46%	0.243%
63	10.425	1269	1273	1276	rBV3	247409	433182	7.04%	0.384%
64	10.536	1286	1292	1305	rVB2	2622902	5776223	93.92%	5.121%
65	10.683	1312	1317	1319	rBV4	238808	407124	6.62%	0.361%
66	10.719	1319	1323	1329	rVV	1335441	2036902	33.12%	1.806%
67	10.783	1330	1334	1339	rVV2	285911	585889	9.53%	0.519%
68	10.842	1342	1344	1351	rVB4	230929	402708	6.55%	0.357%
69	10.966	1357	1365	1374	rVV9	143265	441552	7.18%	0.391%
70	11.054	1375	1380	1386	rVV3	328352	578784	9.41%	0.513%
71	11.113	1387	1390	1397	rVB4	134844	256765	4.18%	0.228%
72	11.260	1404	1415	1422	rVV4	492525	1471443	23.93%	1.305%
73	11.319	1422	1425	1431	rVV2	246552	447025	7.27%	0.396%
74	11.389	1433	1437	1444	rVV2	313109	604882	9.84%	0.536%
75	11.472	1447	1451	1459	rVB2	347023	673086	10.94%	0.597%
76	11.583	1464	1470	1474	rBV	762372	1314551	21.38%	1.165%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.742	1494	1497	1505	rVB5	86166	173321	2.82%	0.154%
78	11.842	1510	1514	1519	rVB3	153098	250737	4.08%	0.222%
79	11.978	1531	1537	1548	rBV	827059	1308388	21.27%	1.160%
80	12.666	1649	1654	1660	rVB4	77944	144517	2.35%	0.128%
81	12.936	1696	1700	1705	rVB	168149	242651	3.95%	0.215%
82	13.007	1706	1712	1720	rBV	2257230	3209897	52.19%	2.846%
83	13.225	1742	1749	1757	rBV2	189183	322231	5.24%	0.286%
84	14.395	1940	1948	1955	rVV	1351665	2083493	33.88%	1.847%
85	15.777	2178	2183	2192	rVB	265689	416493	6.77%	0.369%
86	15.913	2200	2206	2216	rBV	1393222	2211588	35.96%	1.961%
87	16.177	2243	2251	2259	rVB4	65423	143265	2.33%	0.127%
88	17.201	2419	2425	2436	rVB2	1344437	2193817	35.67%	1.945%
89	18.136	2580	2584	2593	rBV	1121408	1672546	27.20%	1.483%
90	18.589	2658	2661	2666	rVB	134382	199168	3.24%	0.177%
91	19.348	2780	2790	2807	rBV	2235252	6149912	100.00%	5.452%
92	19.477	2807	2812	2820	rVV	1379047	2159746	35.12%	1.915%
93	19.677	2843	2846	2850	rBV	638182	639241	10.39%	0.567%
94	19.918	2883	2887	2892	rBV	3073337	3910953	63.59%	3.467%
95	20.706	3018	3021	3025	rVB	214237	326508	5.31%	0.289%
96	21.124	3088	3092	3098	rBV2	421855	630052	10.24%	0.559%
97	21.265	3112	3116	3122	rBV	630316	964176	15.68%	0.855%
98	21.583	3166	3170	3175	rBV3	331660	545148	8.86%	0.483%
99	21.654	3176	3182	3188	rVV	1450386	2555342	41.55%	2.266%
100	25.030	3751	3756	3768	rVB2	1094011	3035534	49.36%	2.691%

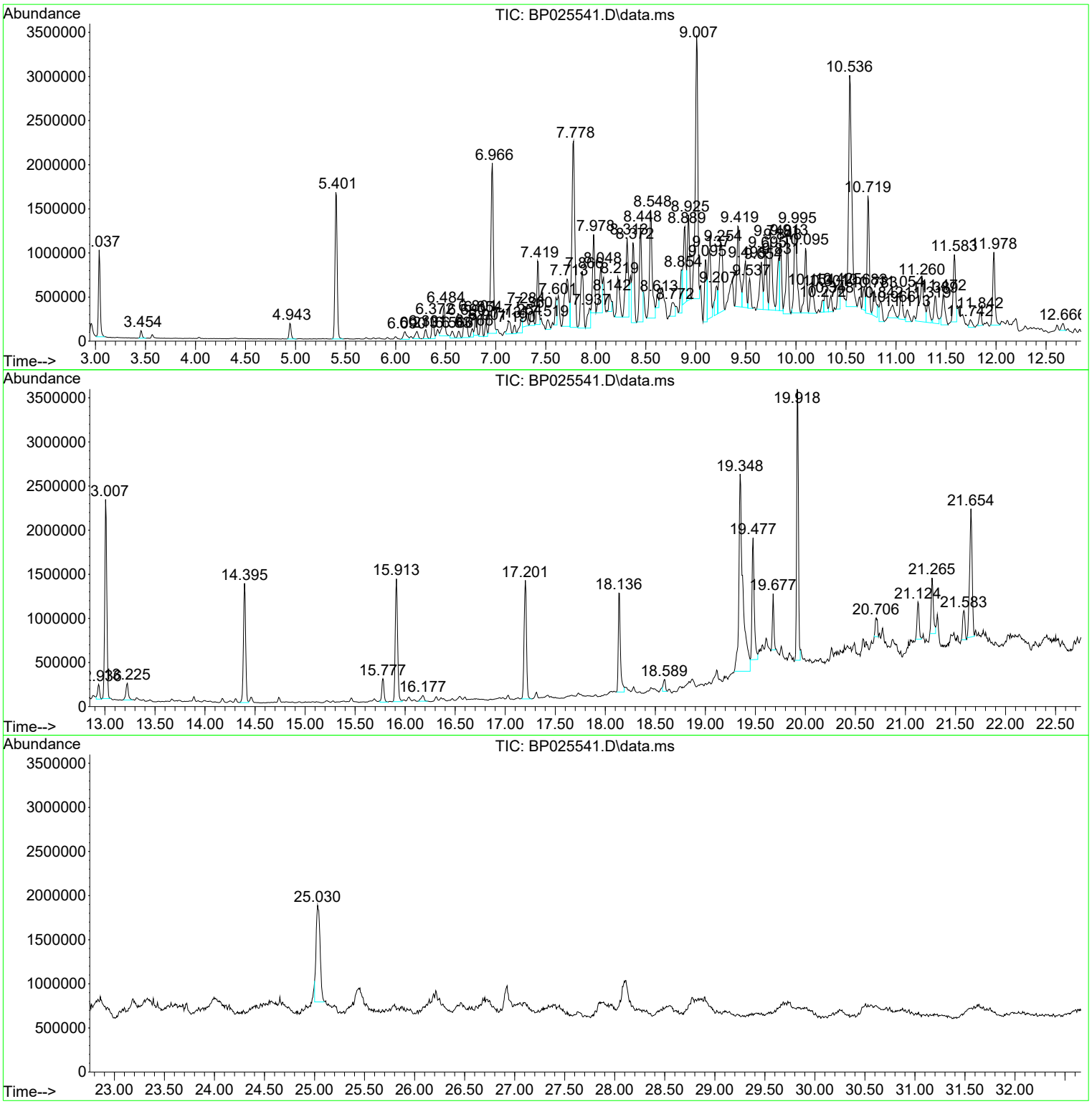
Sum of corrected areas: 112791164

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

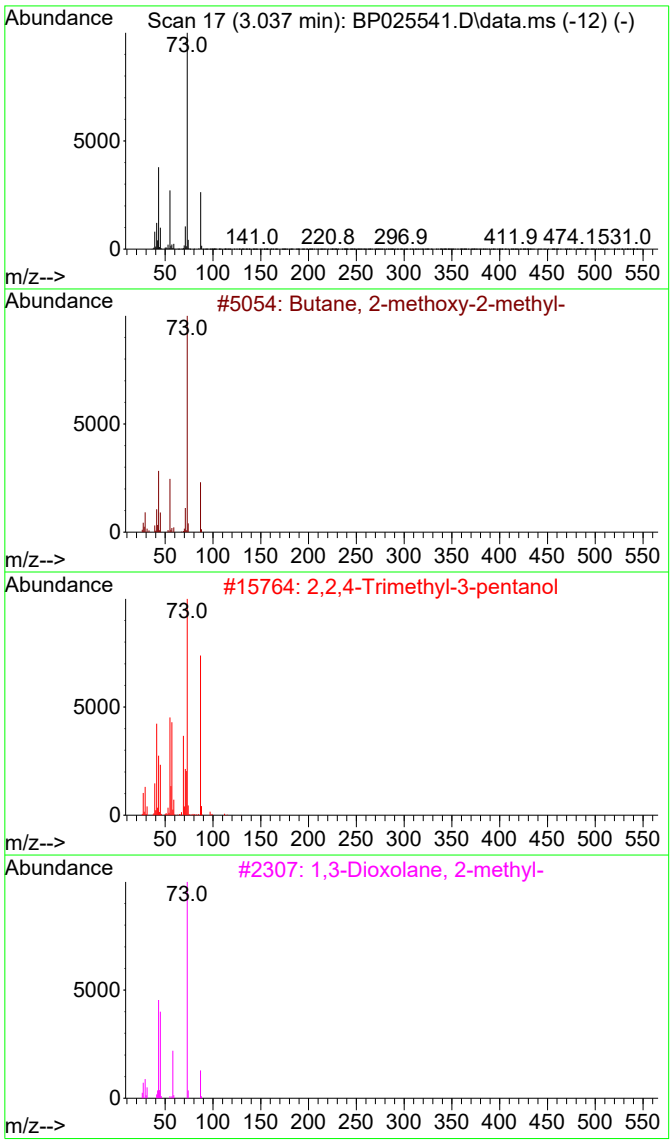
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

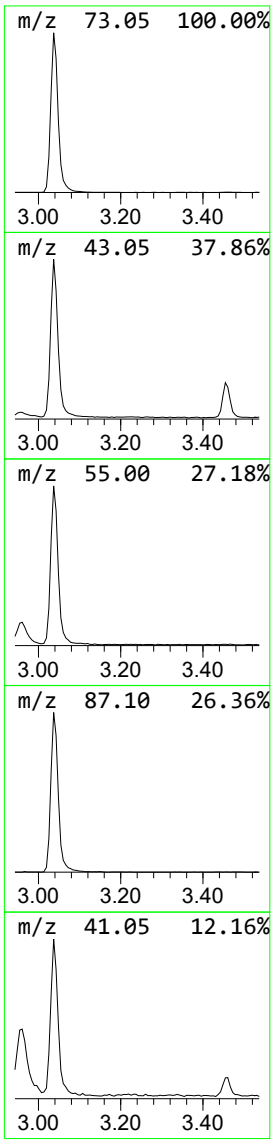
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.037	5.79 ng	1228690	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

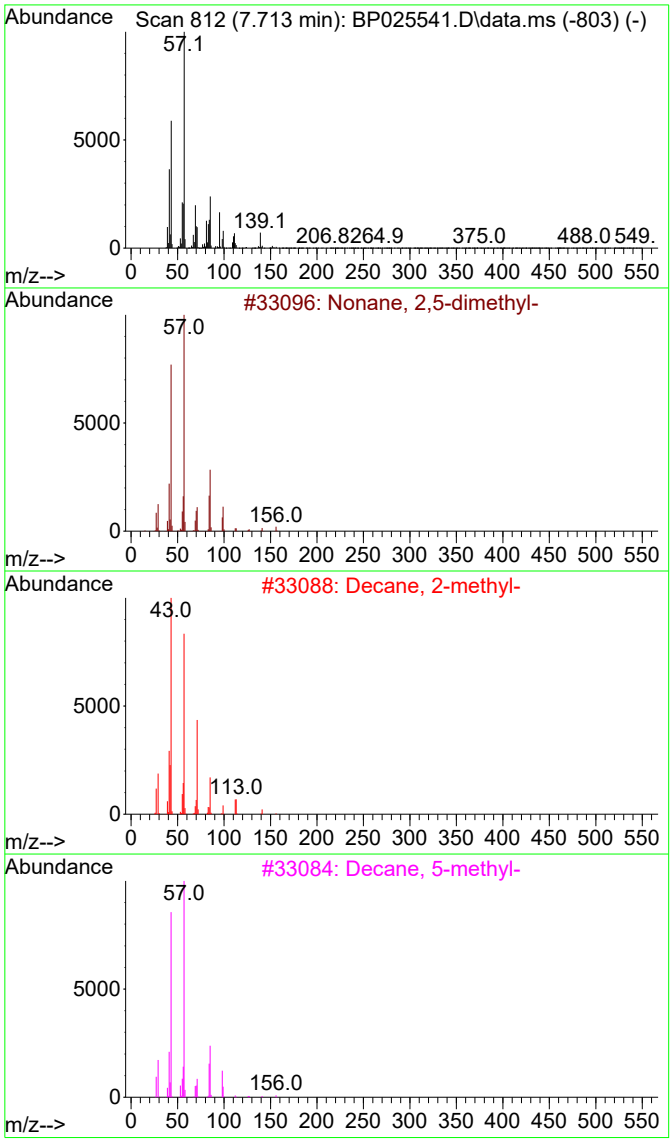
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

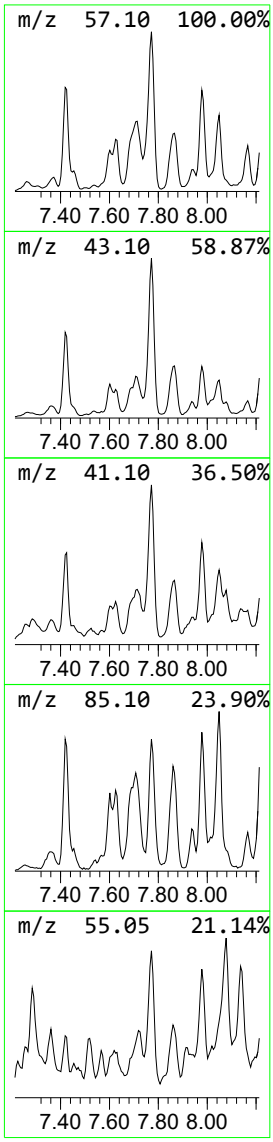
****

Peak Number 2 Nonane, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.713	7.96 ng	1687100	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	50
2	Decane, 2-methyl-	156	C11H24	006975-98-0	50
3	Decane, 5-methyl-	156	C11H24	013151-35-4	47
4	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	47
5	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	43





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Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
10P-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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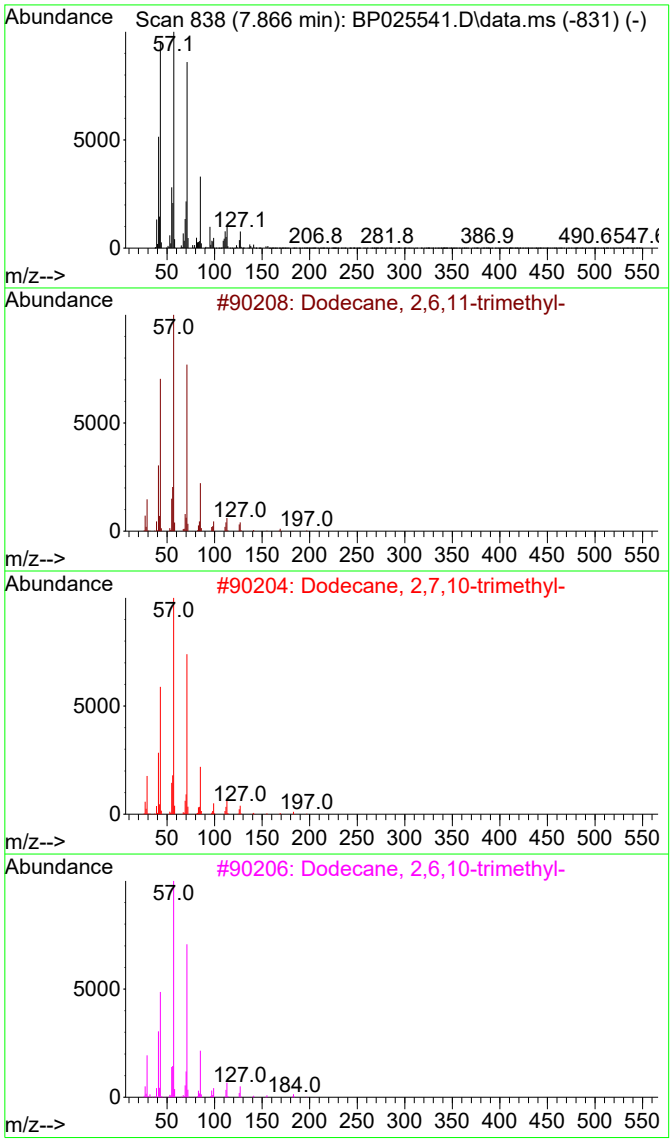
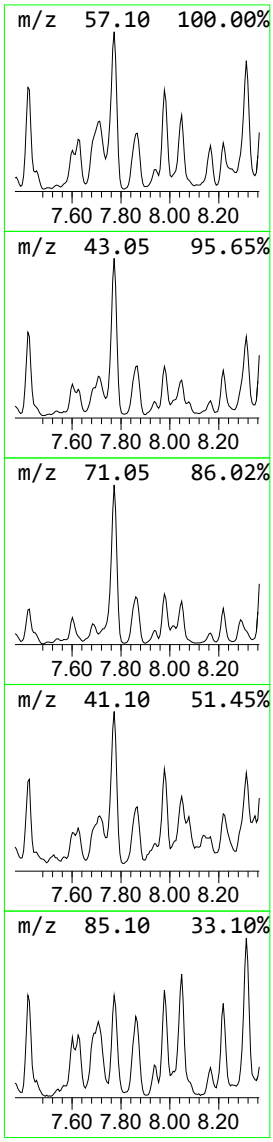
Peak Number 3 Dodecane, 2,6,11-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.866	6.04 ng	1281470	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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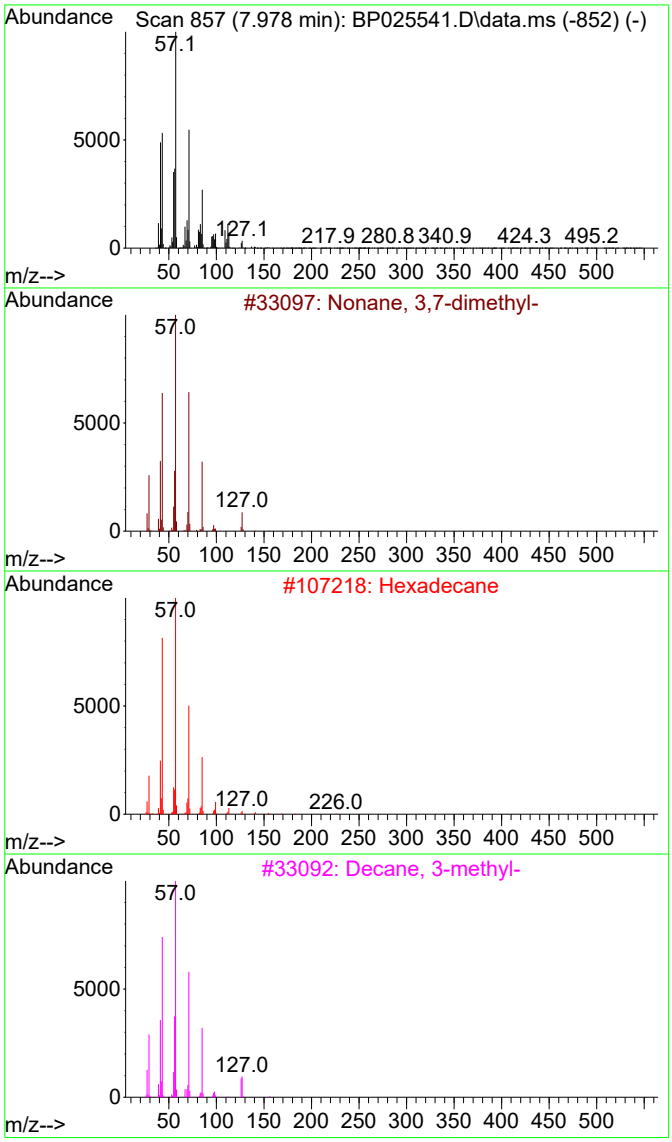
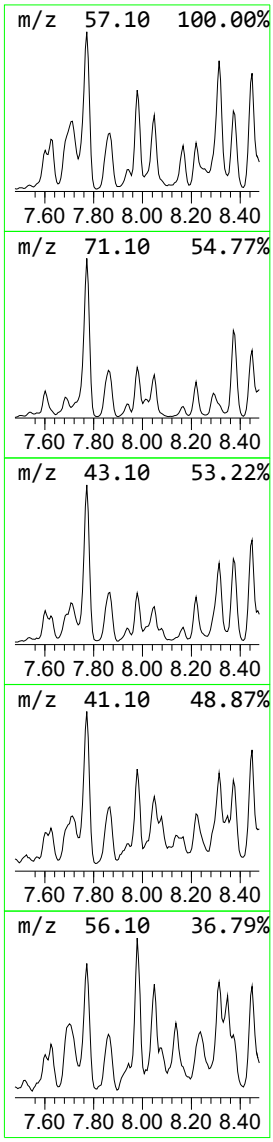
Peak Number 4 Nonane, 3,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.978	5.86 ng	1241580	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2	Hexadecane	226	C16H34	000544-76-3	59
3	Decane, 3-methyl-	156	C11H24	013151-34-3	59
4	Nonadecane	268	C19H40	000629-92-5	58
5	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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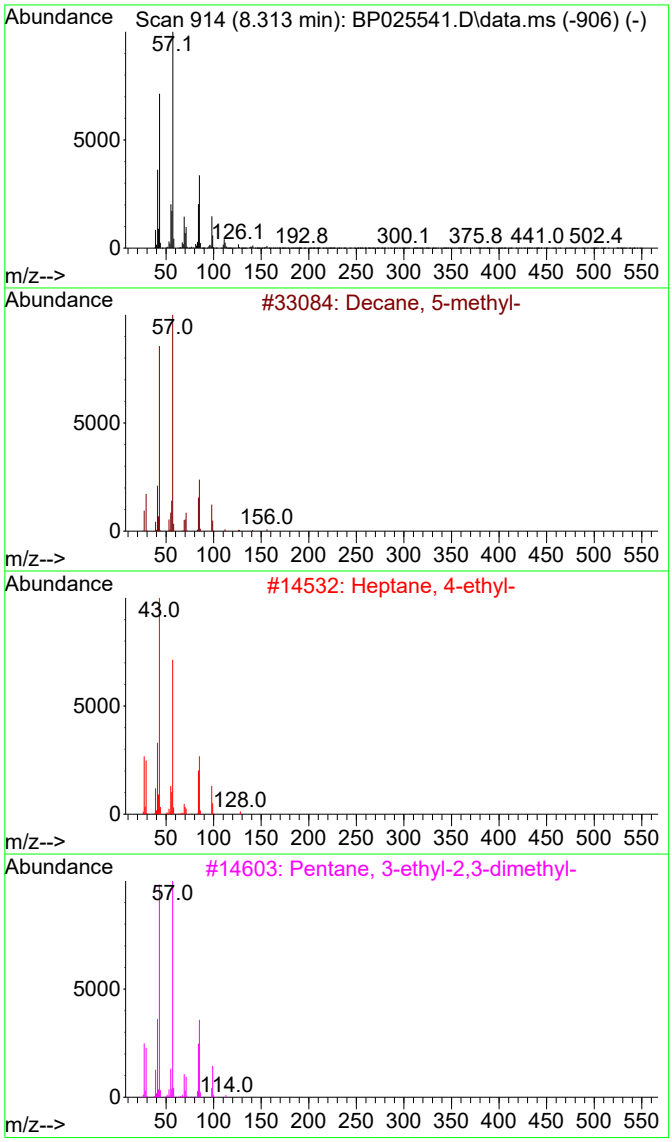
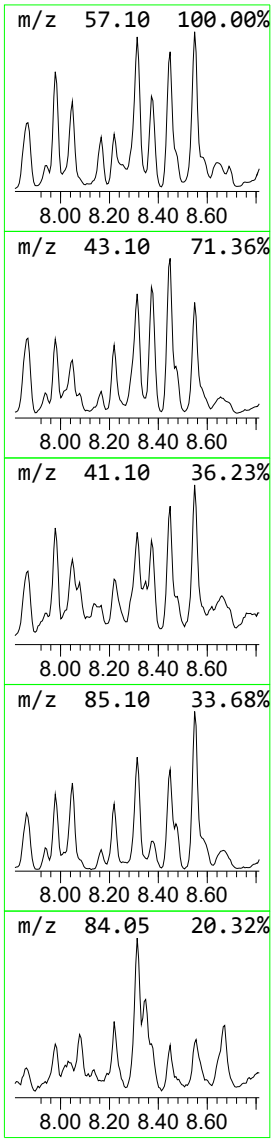
Peak Number 5 Decane, 5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.313	8.02 ng	1700660	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	90
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	72
3	Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	59
4	Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	50
5	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	50





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Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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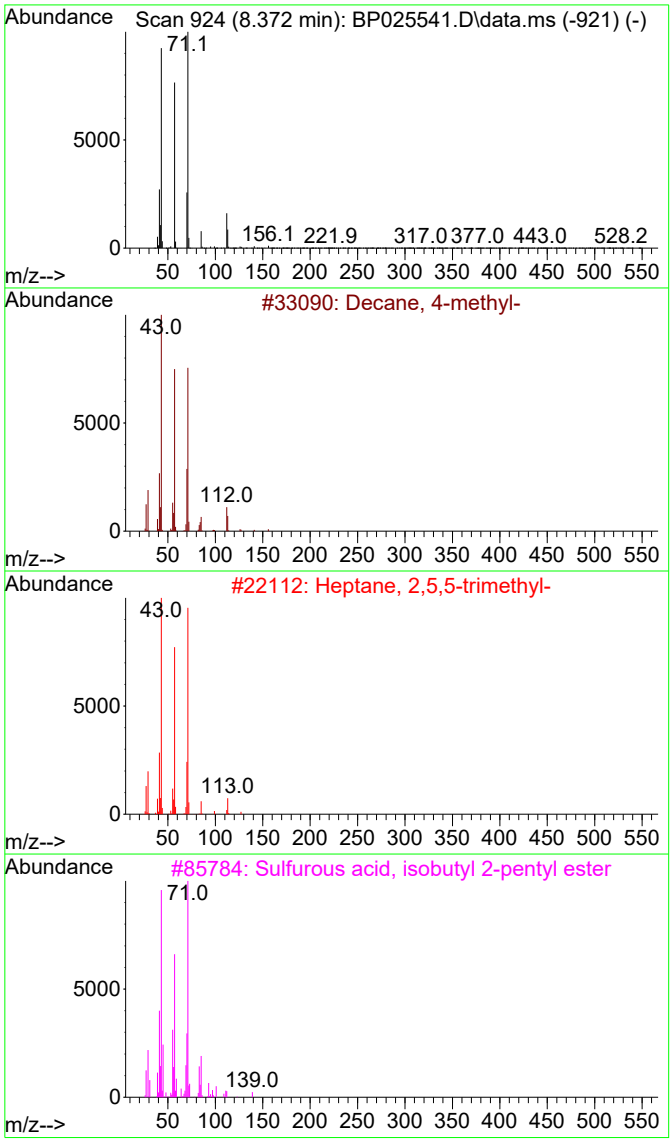
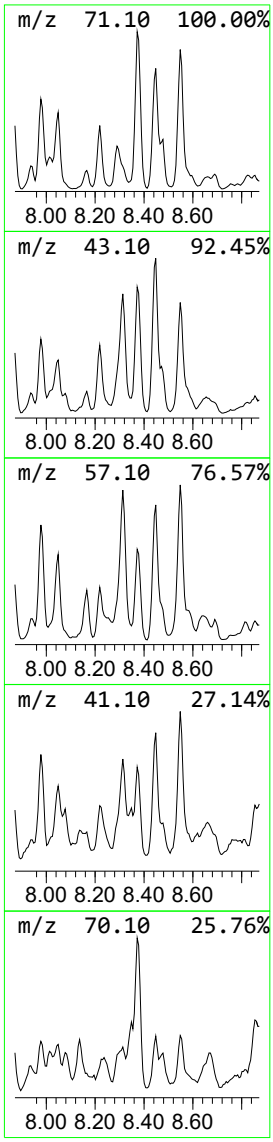
Peak Number 6 Decane, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.372	6.56 ng	1390220	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	83
3	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	78
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	74
5	Hexane, 3,3,4,4-tetramethyl-	142	C10H22	005171-84-6	64





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ALS Vial : 31 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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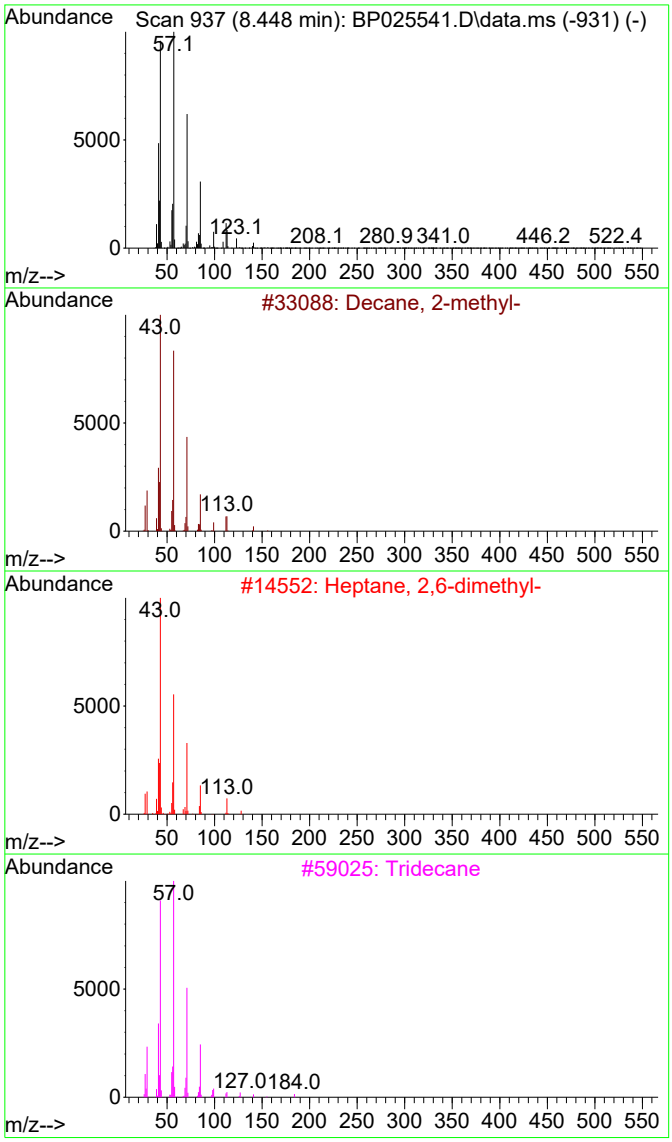
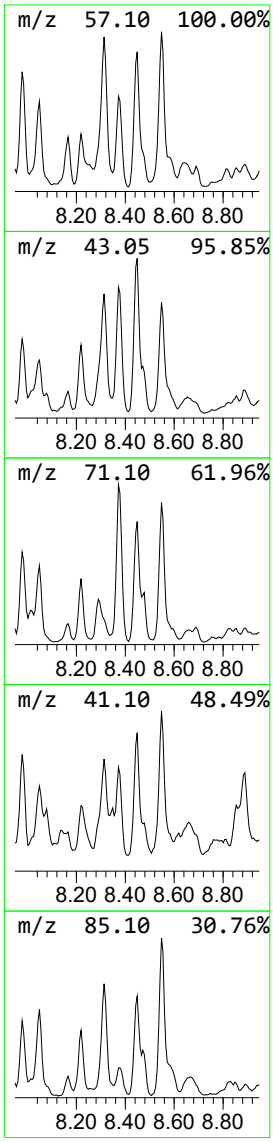
Peak Number 7 Decane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.448	8.63 ng	1829550	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	93
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	80
3	Tridecane	184	C13H28	000629-50-5	64
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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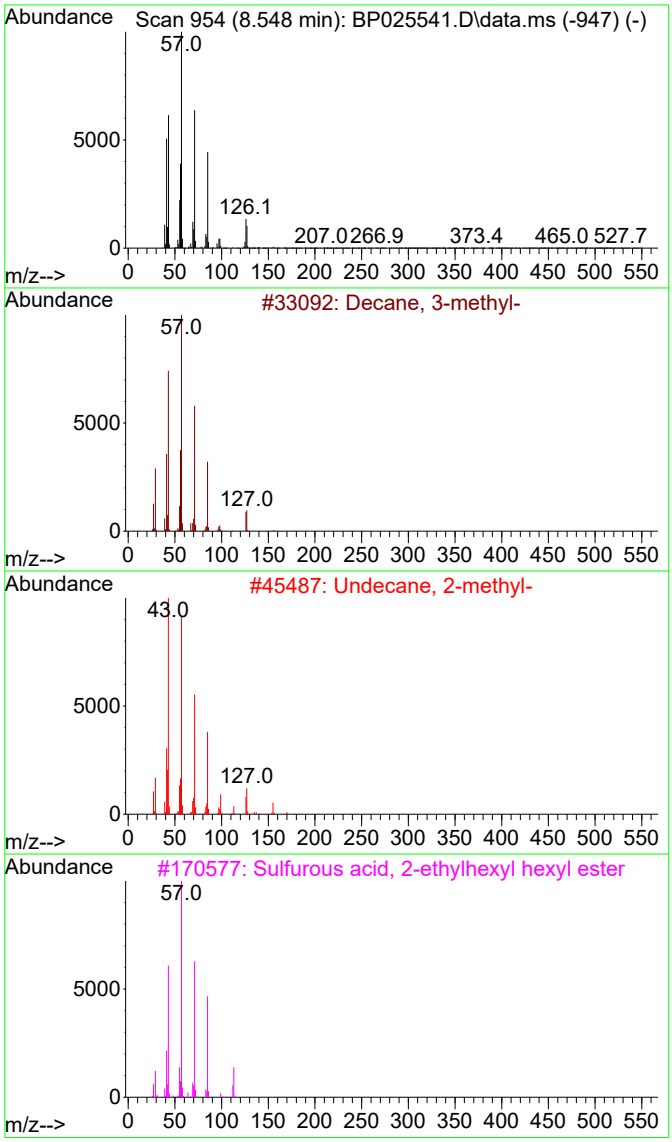
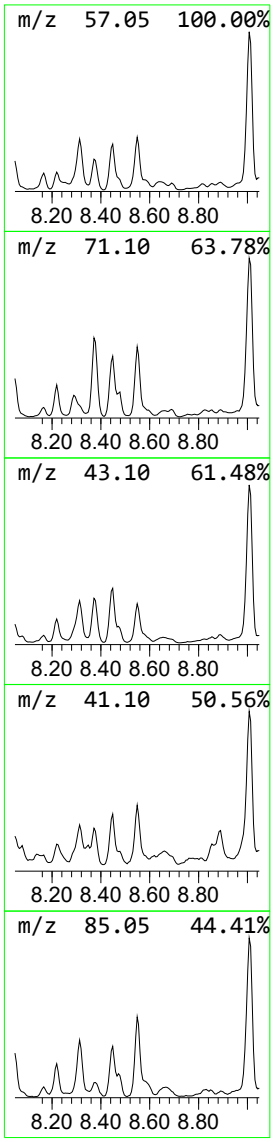
Peak Number 8 Decane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.548	10.54 ng	2234260	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	94
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	53
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	49
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	47





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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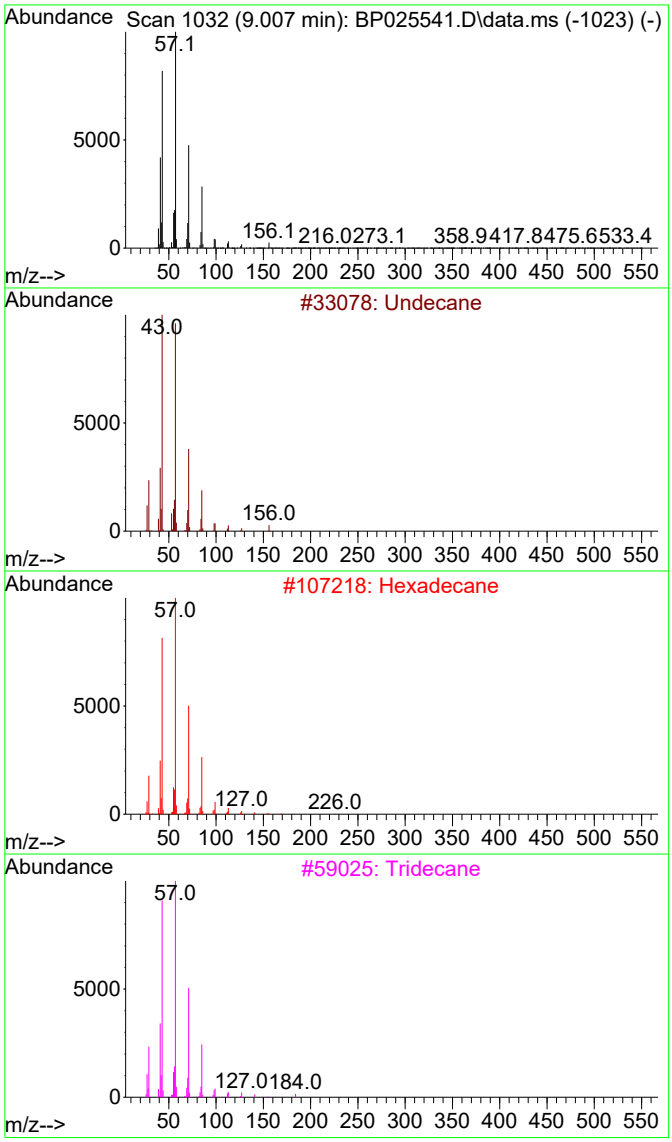
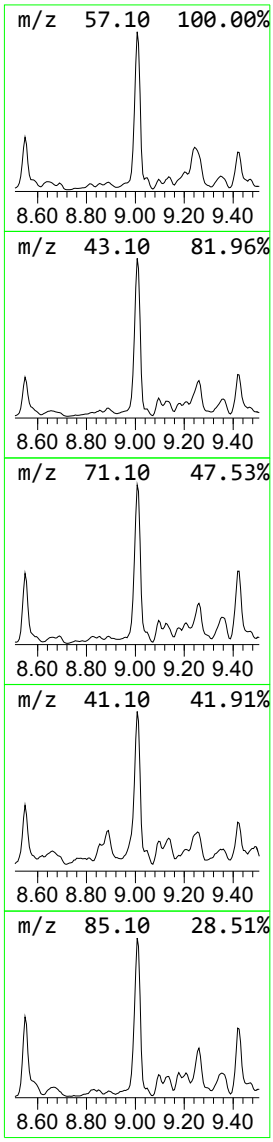
Peak Number 9 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.007	24.37 ng	5168220	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	86
4	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	83
5	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	78





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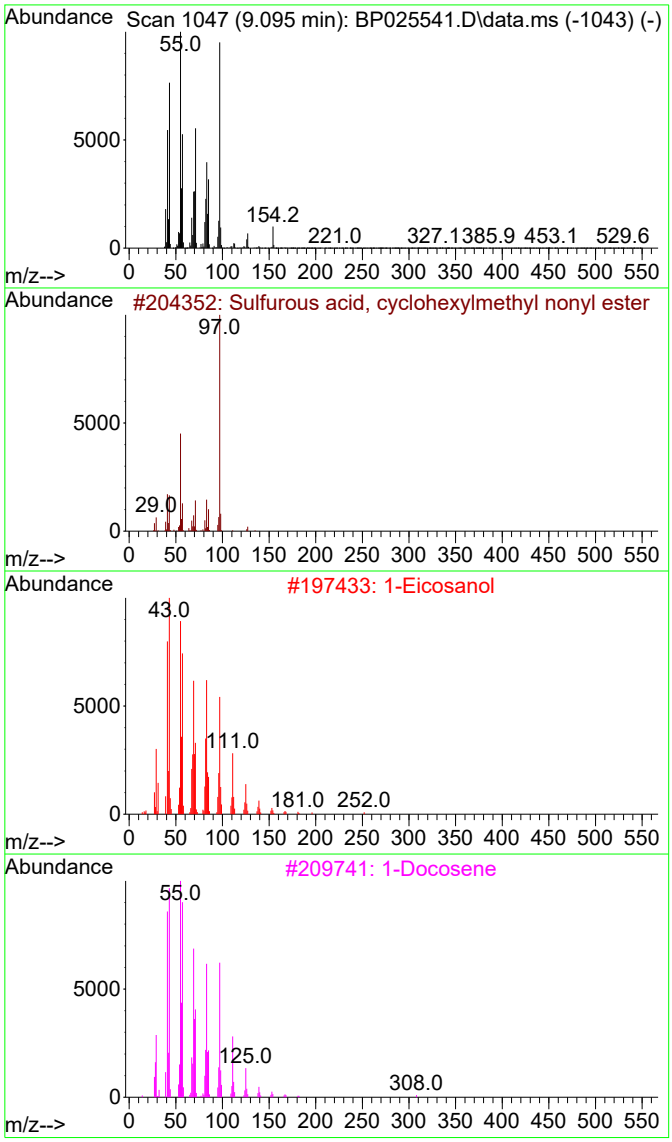
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

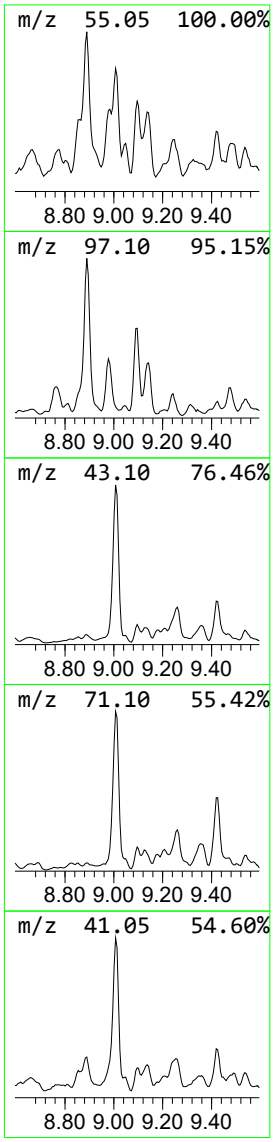
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Sulfurous acid, cyclohexylm... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.095	5.59 ng	1186000	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
2	1-Eicosanol	298	C20H42O	000629-96-9	49
3	1-Docosene	308	C22H44	001599-67-3	43
4	n-Heptadecanol-1	256	C17H36O	001454-85-9	38
5	Cetene	224	C16H32	000629-73-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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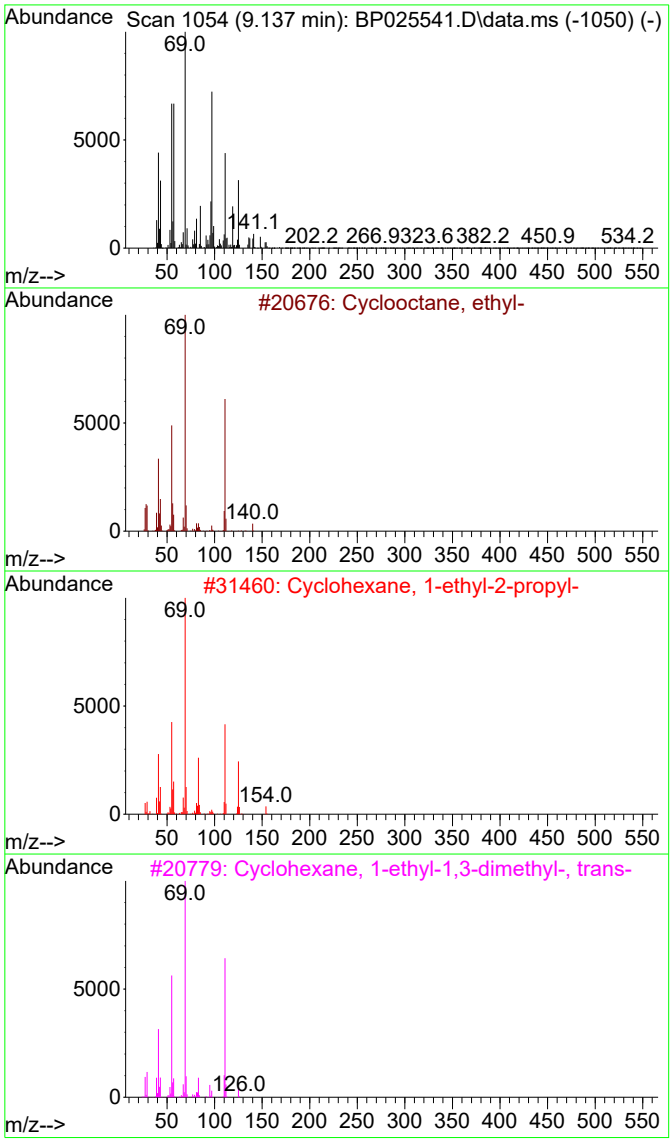
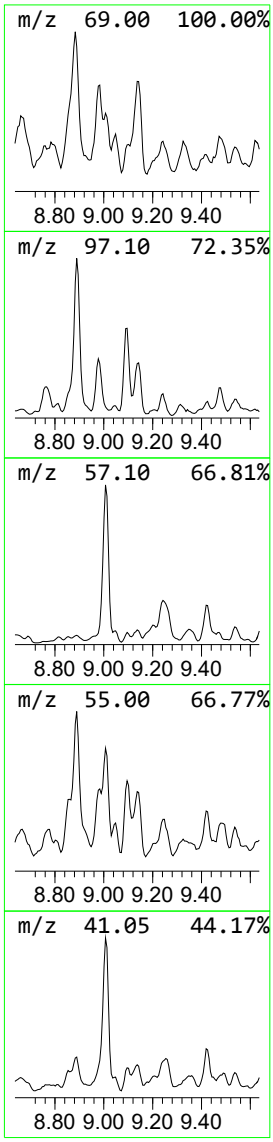
Peak Number 11 unknown9.137 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.137	7.37 ng	1563070	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
2	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
3	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	35
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	35
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	15





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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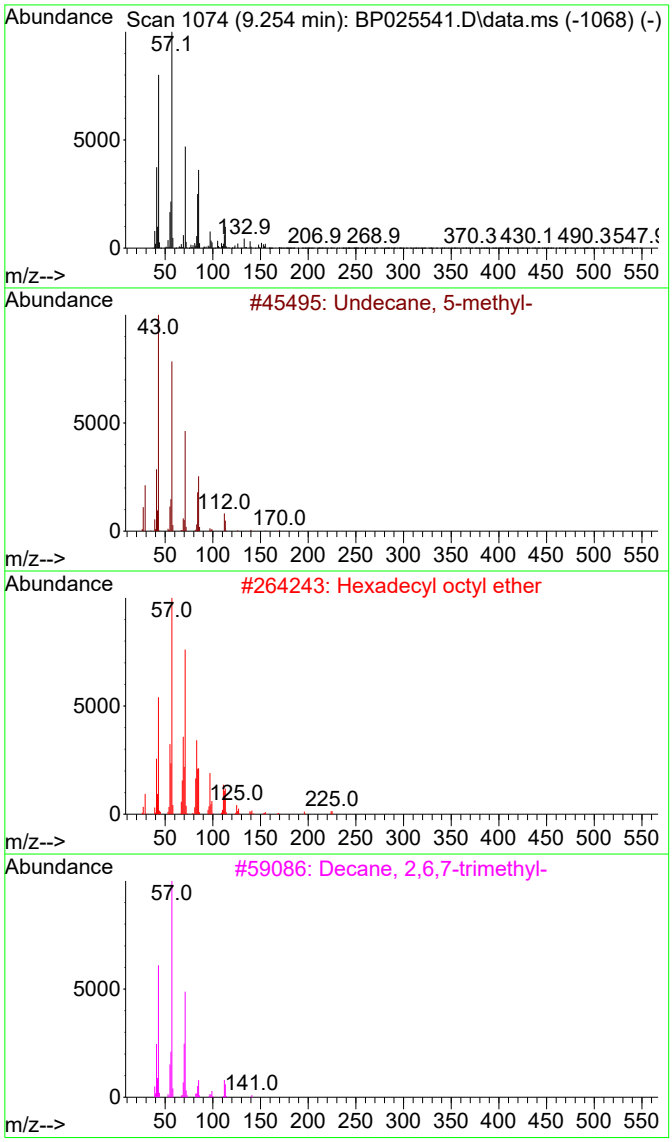
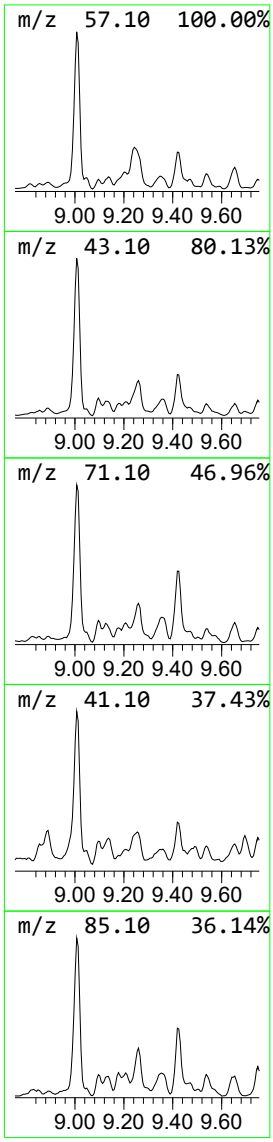
Peak Number 12 Undecane, 5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.254	6.53 ng	1886020	Naphthalene-d8	10.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	87
2	Hexadecyl octyl ether	354	C24H50O	1000406-38-6	64
3	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	52
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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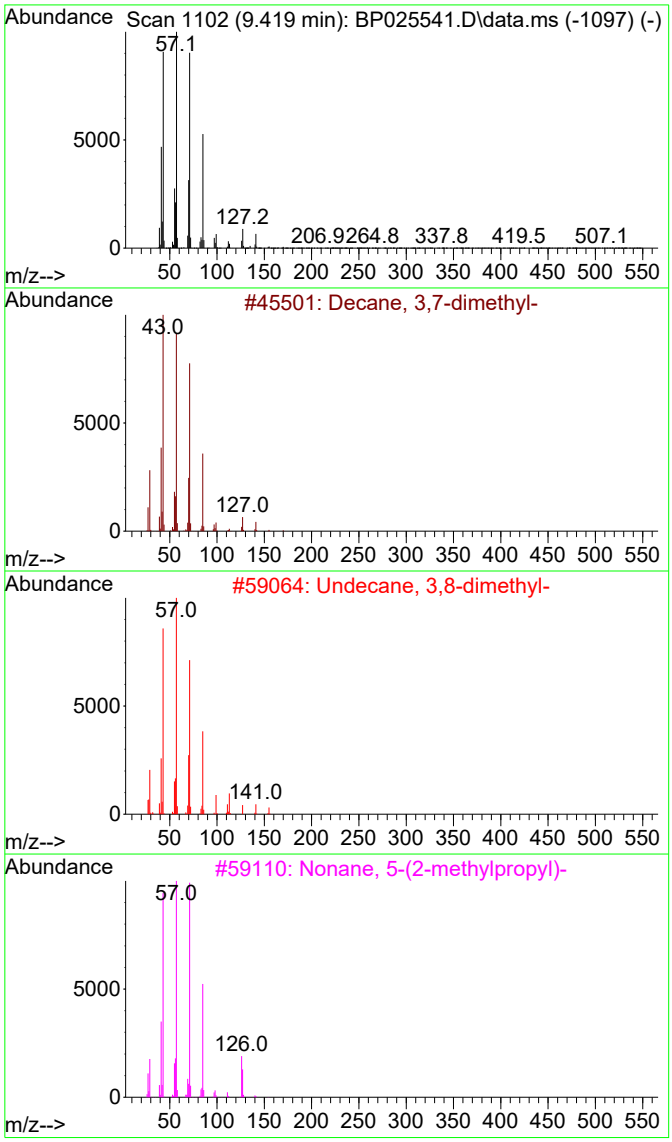
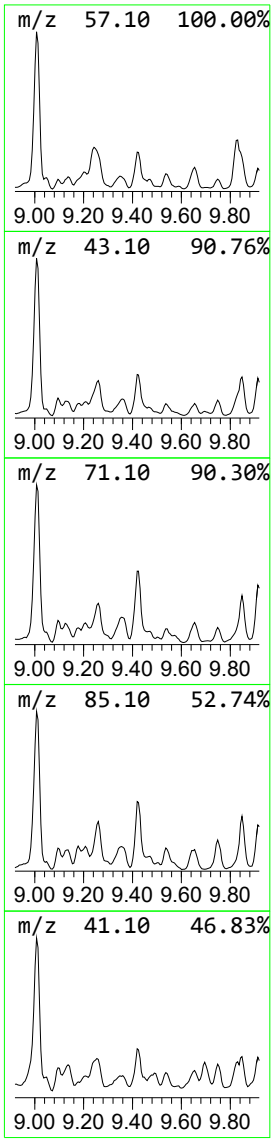
Peak Number 13 Decane, 3,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.419	6.21 ng	1794350	Naphthalene-d8	10.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	93
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	78
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
4	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59
5	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

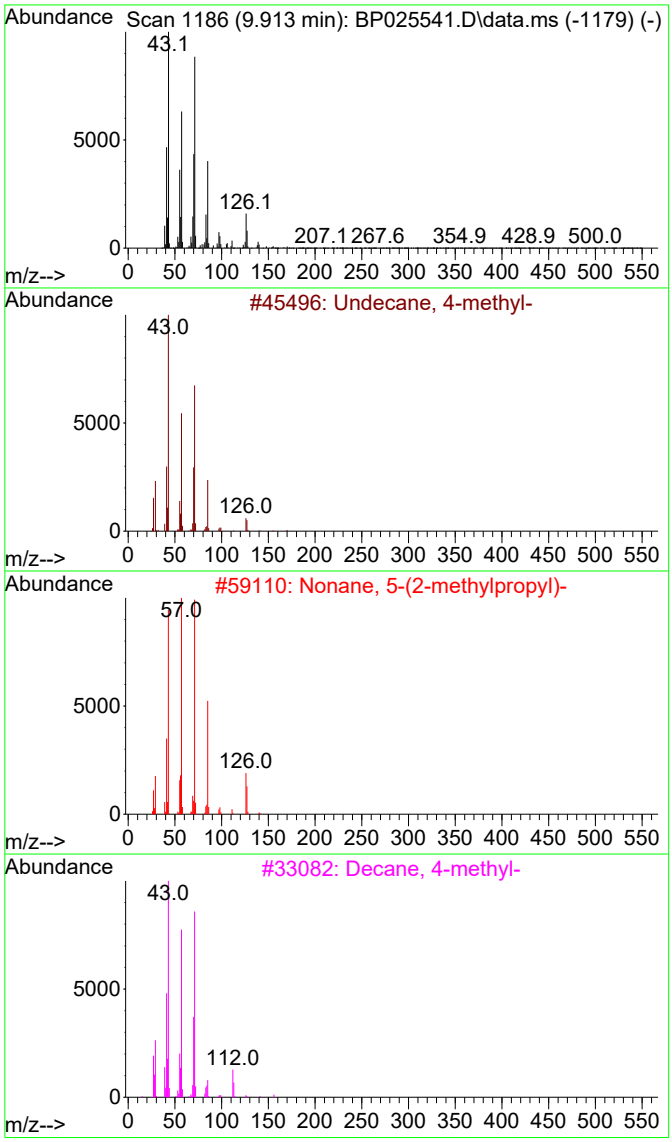
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

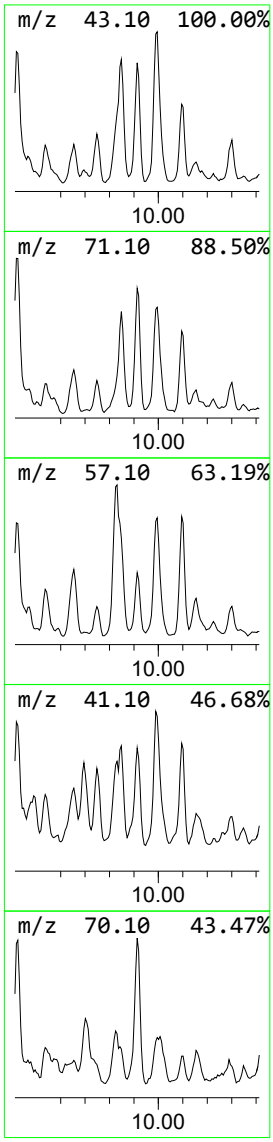
****

Peak Number 14 Undecane, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.913	5.22 ng	1506940	Naphthalene-d8	10.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	87
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	53
3	Decane, 4-methyl-	156	C11H24	002847-72-5	50
4	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	50
5	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	47





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Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

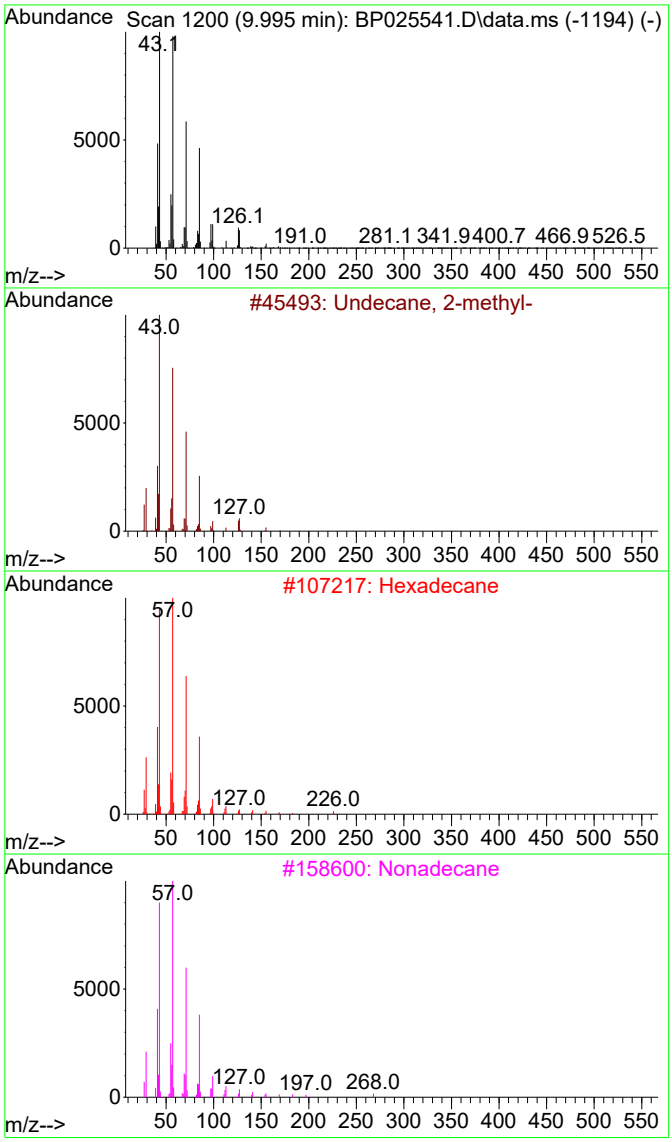
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

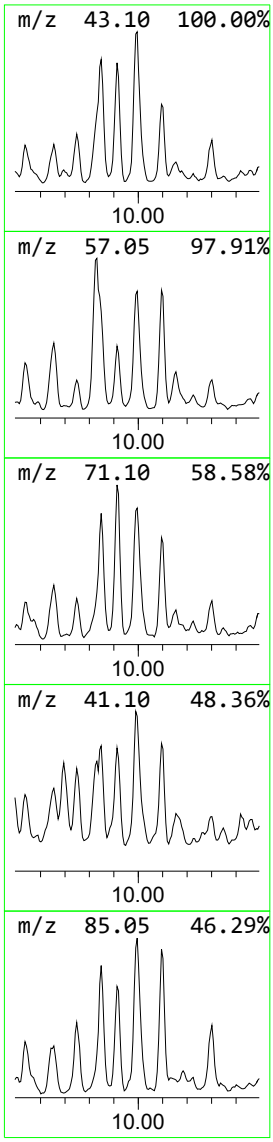
****

Peak Number 15 Undecane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.995	7.12 ng	2055050	Naphthalene-d8	10.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	91
2	Hexadecane	226	C16H34	000544-76-3	72
3	Nonadecane	268	C19H40	000629-92-5	72
4	Heptadecane	240	C17H36	000629-78-7	64
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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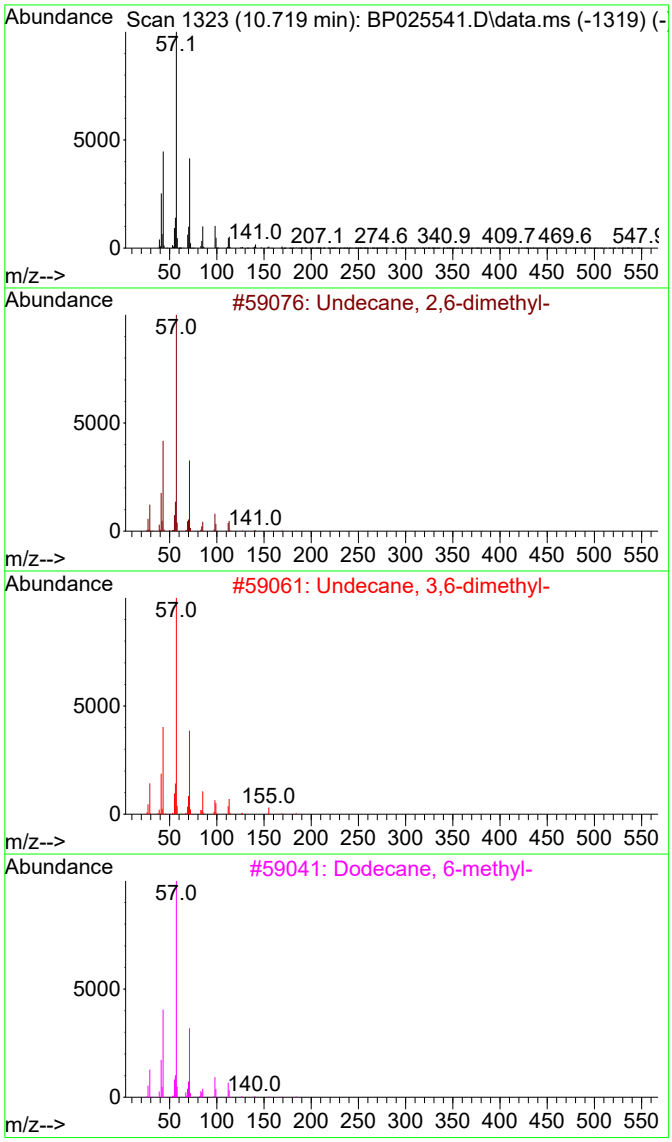
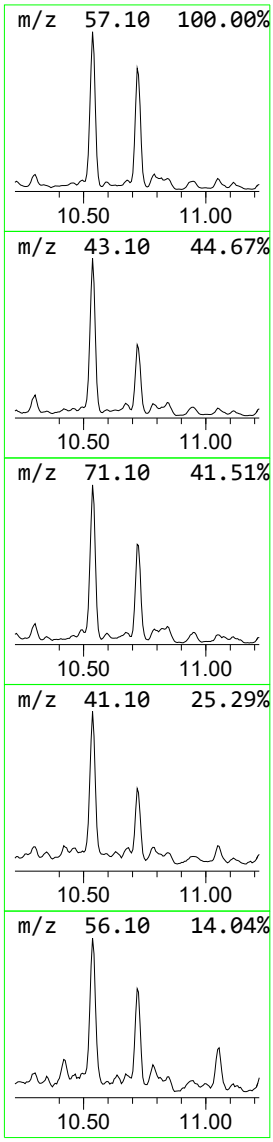
Peak Number 16 Undecane, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.719	7.05 ng	2036900	Naphthalene-d8	10.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	91
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	90
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	90





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On    : 21 Aug 2025  15:37
Operator  : CG/JU
Sample    : Q2820-15 2X
Misc      :
ALS Vial  : 31   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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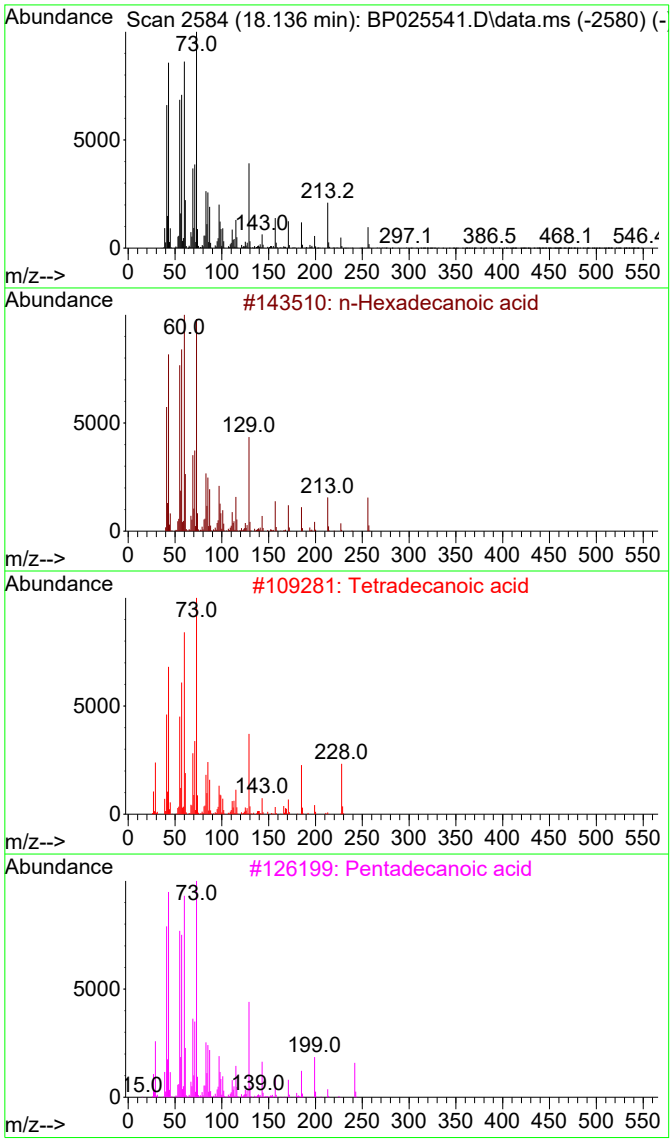
Instrument :
BNA_P
ClientSampleId :
10P-S

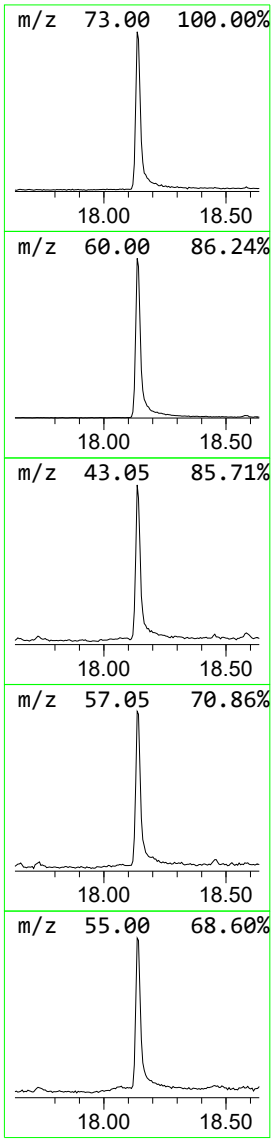
****

Peak Number 17 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	15.25 ng	1672550	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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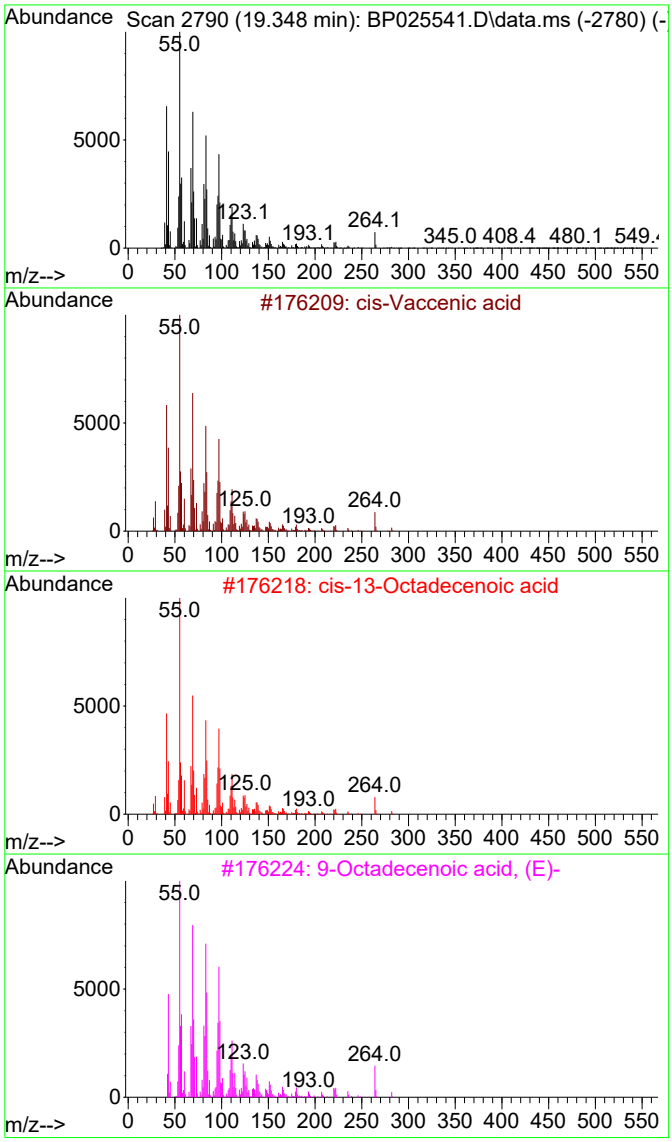
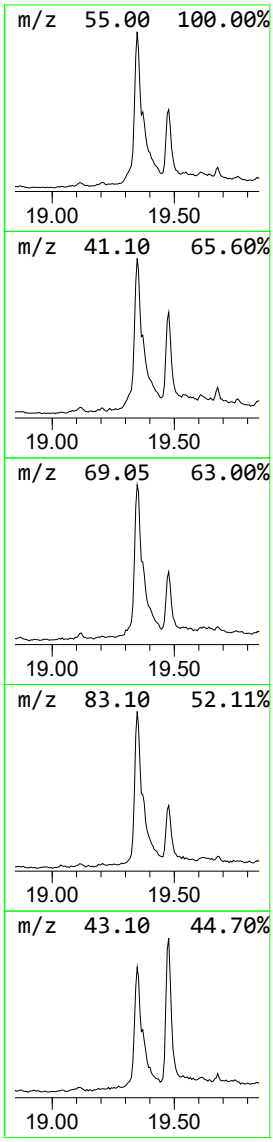
Peak Number 18 cis-Vaccenic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.348	56.07 ng	6149910	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Vaccenic acid	282	C18H34O2	000506-17-2	94
2	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	91
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	91
4	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	91
5	Palmitoleic acid	254	C16H30O2	000373-49-9	90





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On    : 21 Aug 2025  15:37
Operator  : CG/JU
Sample    : Q2820-15 2X
Misc      :
ALS Vial  : 31   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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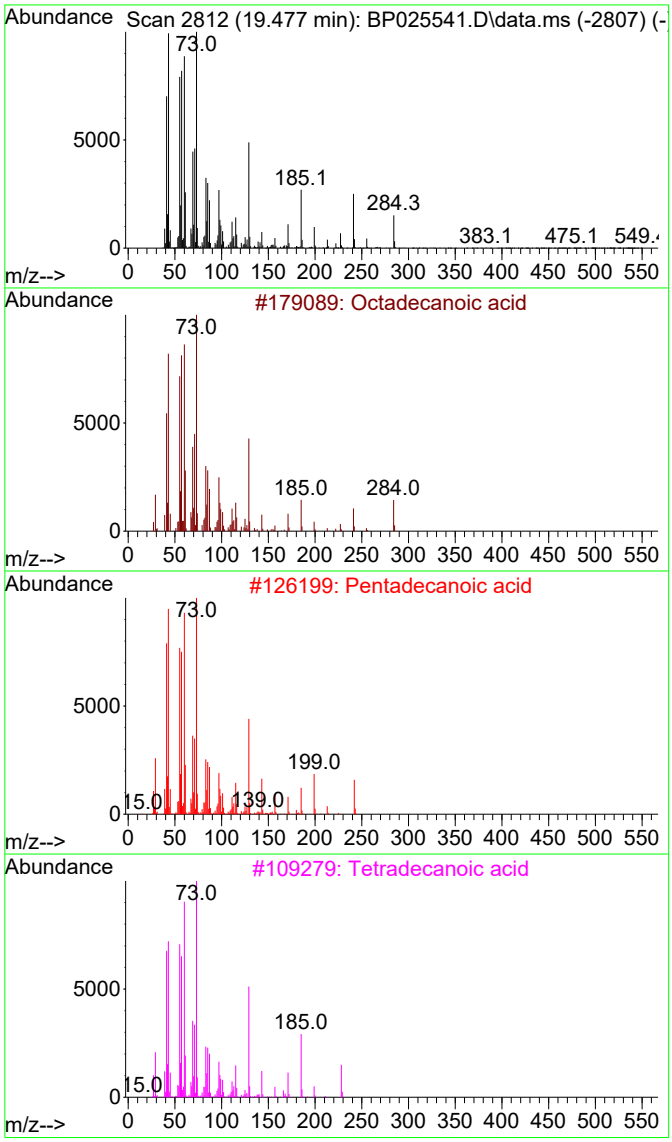
Instrument :
BNA_P
ClientSampleId :
10P-S

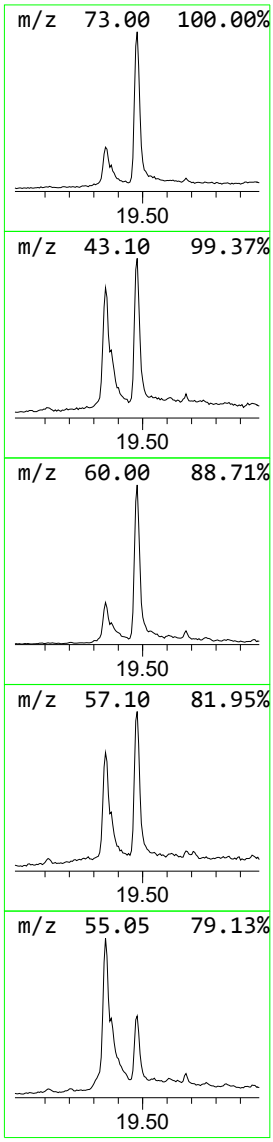
****

Peak Number 19 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.477	16.90 ng	2159750	Chrysene-d12	21.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76





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Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

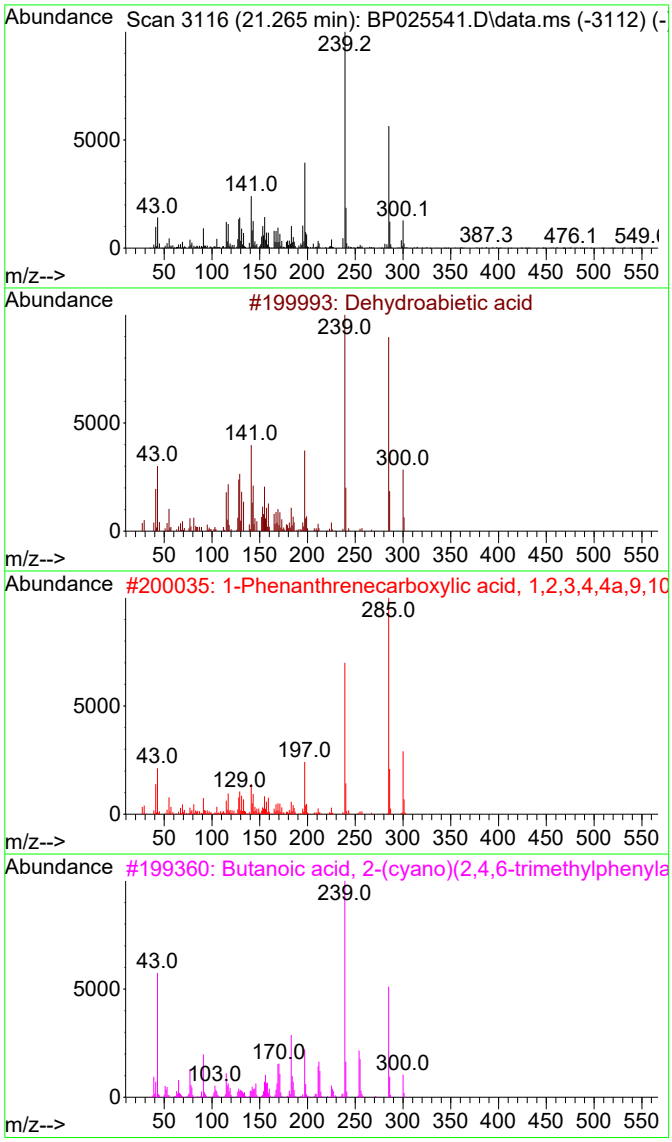
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

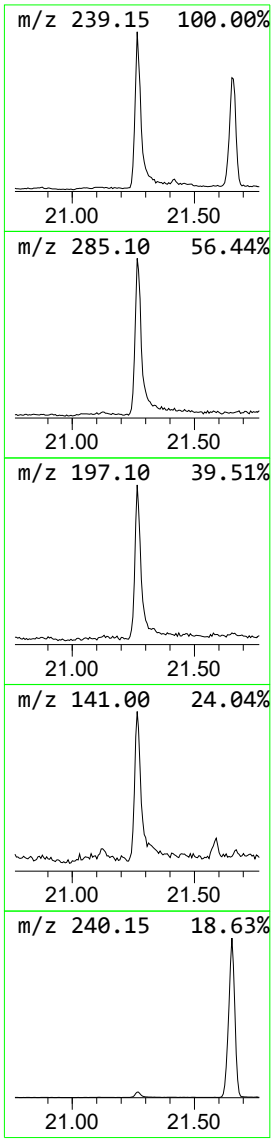
****

Peak Number 20 Dehydroabietic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.265	7.55 ng	964176	Chrysene-d12	21.654

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	98
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	91
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	68
4	2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	49
5	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025541.D
Acq On : 21 Aug 2025 15:37
Operator : CG/JU
Sample : Q2820-15 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.037	5.8	ng	1228690	1	7.784	4240830	20.0
Nonane, 2,5-dim...	7.713	8.0	ng	1687100	1	7.784	4240830	20.0
Dodecane, 2,6,1...	7.866	6.0	ng	1281470	1	7.784	4240830	20.0
Nonane, 3,7-dim...	7.978	5.9	ng	1241580	1	7.784	4240830	20.0
Decane, 5-methyl-	8.313	8.0	ng	1700660	1	7.784	4240830	20.0
Decane, 4-methyl-	8.372	6.6	ng	1390220	1	7.784	4240830	20.0
Decane, 2-methyl-	8.448	8.6	ng	1829550	1	7.784	4240830	20.0
Decane, 3-methyl-	8.548	10.5	ng	2234260	1	7.784	4240830	20.0
Undecane	9.007	24.4	ng	5168220	1	7.784	4240830	20.0
Sulfurous acid,...	9.095	5.6	ng	1186000	1	7.784	4240830	20.0
unknown9.137	9.137	7.4	ng	1563070	1	7.784	4240830	20.0
Undecane, 5-met...	9.254	6.5	ng	1886020	2	10.560	5776220	20.0
Decane, 3,7-dim...	9.419	6.2	ng	1794350	2	10.560	5776220	20.0
Undecane, 4-met...	9.913	5.2	ng	1506940	2	10.560	5776220	20.0
Undecane, 2-met...	9.995	7.1	ng	2055050	2	10.560	5776220	20.0
Undecane, 2,6-d...	10.719	7.0	ng	2036900	2	10.560	5776220	20.0
n-Hexadecanoic ...	18.136	15.3	ng	1672550	4	17.201	2193820	20.0
cis-Vaccenic acid	19.348	56.1	ng	6149910	4	17.201	2193820	20.0
Octadecanoic acid	19.477	16.9	ng	2159750	5	21.654	2555340	20.0
Dehydroabietic ...	21.265	7.5	ng	964176	5	21.654	2555340	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.3	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.5	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.2	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.7	U	55.0	92.7	92.7	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.5	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.1	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.8	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.4	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.7	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.0	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.3	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.1	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.5	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.0	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.7	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.1	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.8	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.0	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.4	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.4	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.5	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.6	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.2	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.5	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.8	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.8	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.7	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.6	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.0	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.2	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.8	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.8	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.7	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.8	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	76.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.3		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.8		44 - 115		47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.5		39 - 132		54%	SPK: 150
1718-51-0	Terphenyl-d14	45.2	*	54 - 127		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128000	7.796				
1146-65-2	Naphthalene-d8	501000	10.56				
15067-26-2	Acenaphthene-d10	337000	14.407				
1517-22-2	Phenanthrene-d10	710000	17.195				
1719-03-5	Chrysene-d12	831000	21.63				
1520-96-3	Perylene-d12	927000	24.989				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	980	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB			4.96	ug/Kg
000119-61-9	Benzophenone	230	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J			18.1	ug/Kg
000295-65-8	Cyclohexadecane	90.0	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Time: Aug 15 05:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

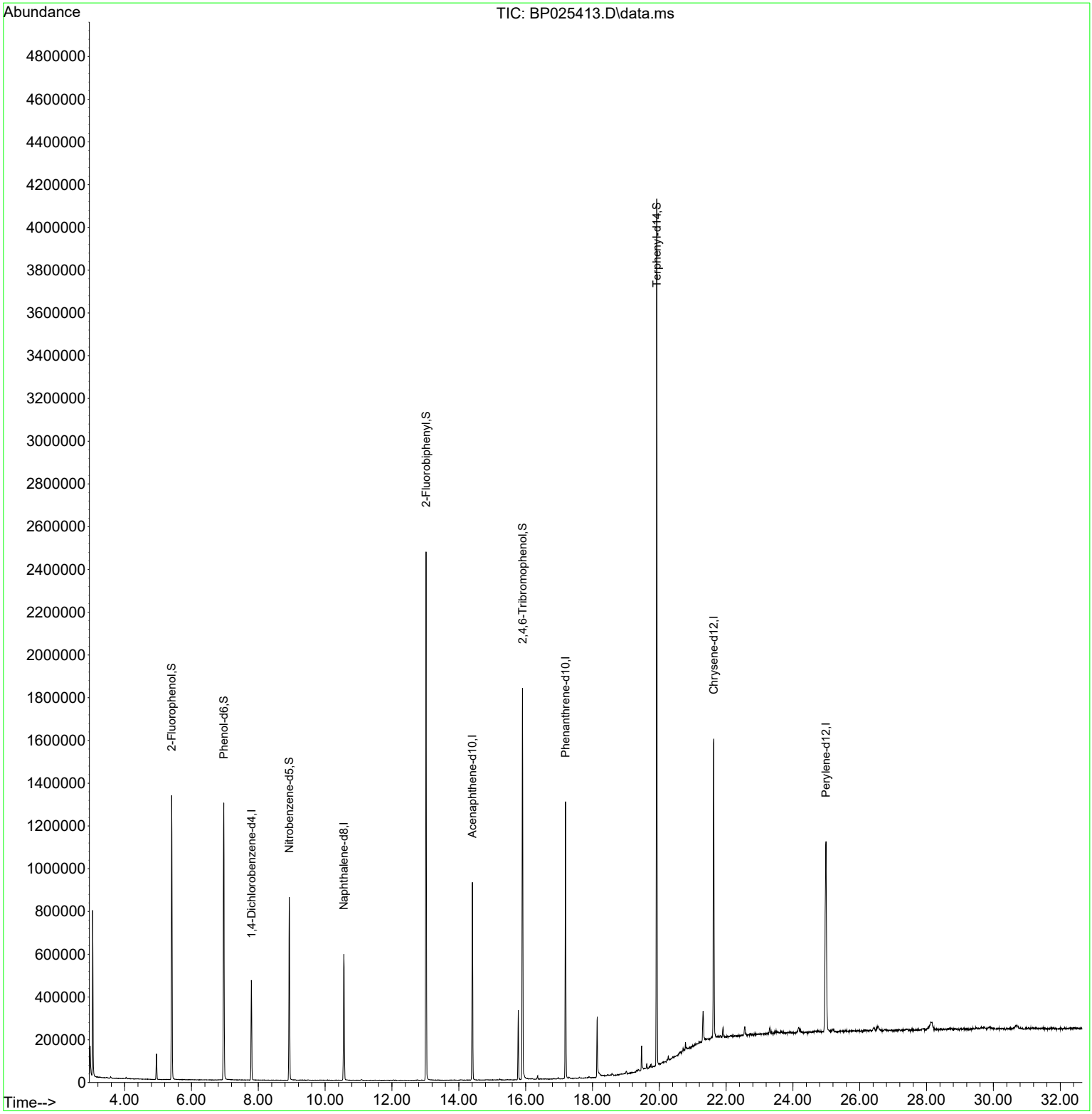
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	128430	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	500891	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	336879	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	709790	20.000	ng	0.00
76) Chrysene-d12	21.630	240	830900	20.000	ng	-0.02
86) Perylene-d12	24.989	264	927401	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	582654	75.342	ng	0.00
7) Phenol-d6	6.966	99	754838	76.131	ng	0.00
23) Nitrobenzene-d5	8.925	82	457961	46.250	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	369453	81.477	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1153986	46.816	ng	0.00
79) Terphenyl-d14	19.925	244	2051731	45.177	ng	0.00
Target Compounds						Qvalue

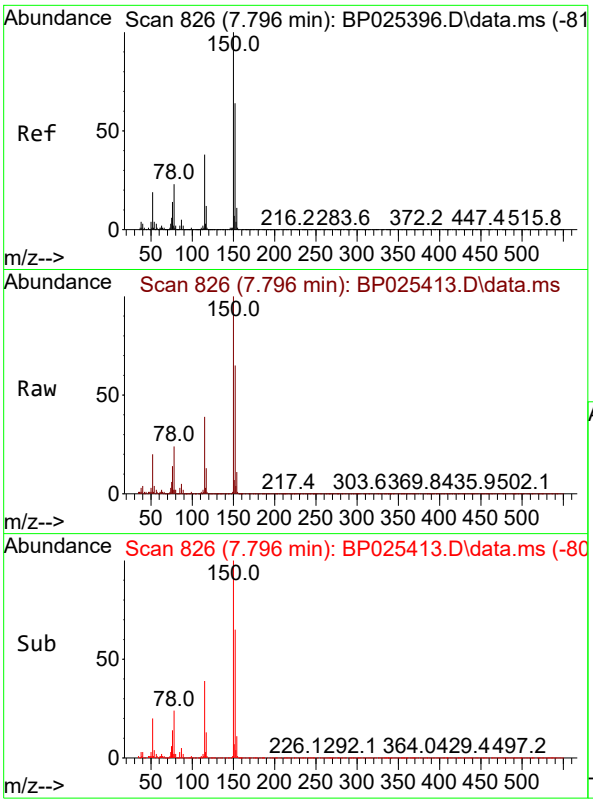
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Time: Aug 15 05:05:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



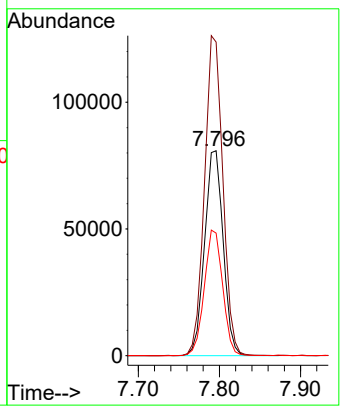


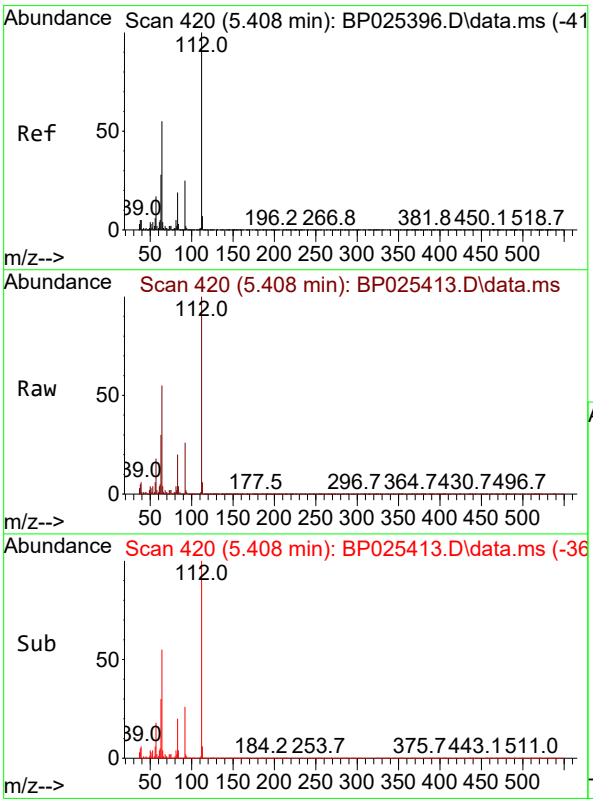
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion:152 Resp: 128430

Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.9	188.9
115	59.8	48.5	72.7

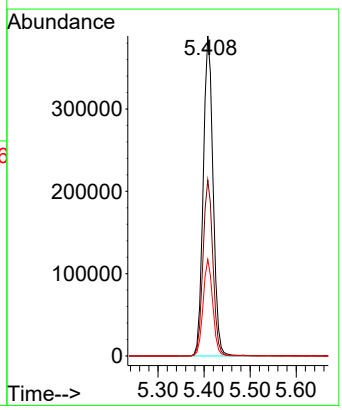


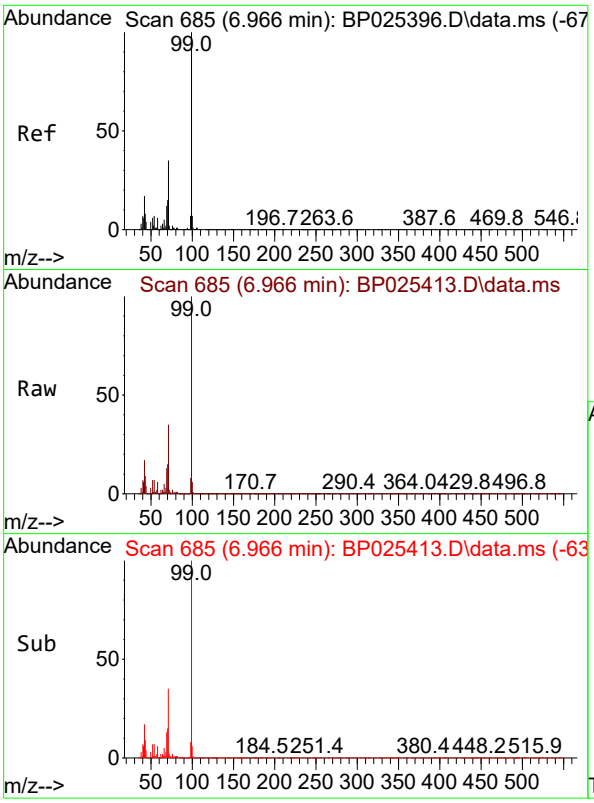


#5
2-Fluorophenol
Concen: 75.342 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:112 Resp: 582654

Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.8	65.8
63	30.2	22.7	34.1



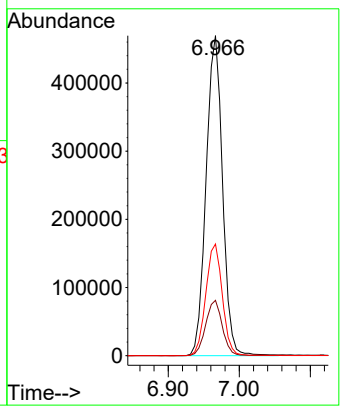


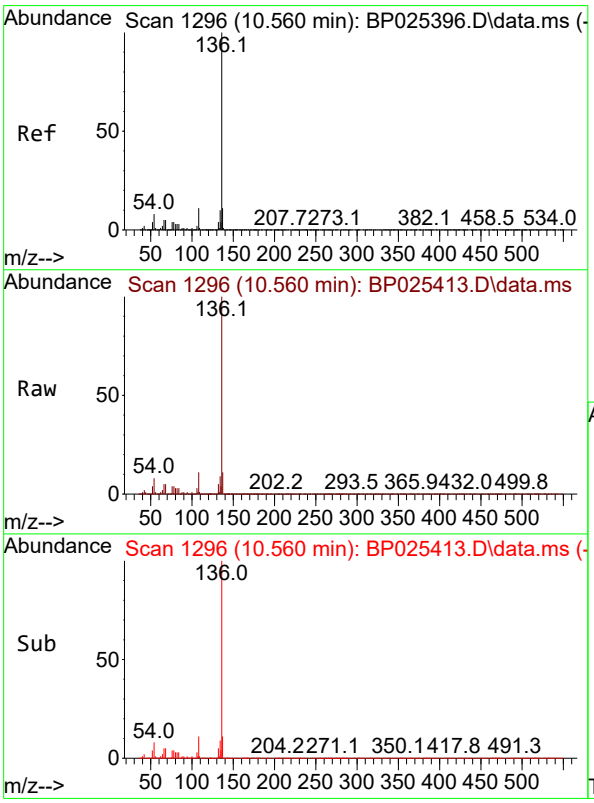
#7
Phenol-d6
Concen: 76.131 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion: 99 Resp: 754838

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	34.9	28.2	42.4

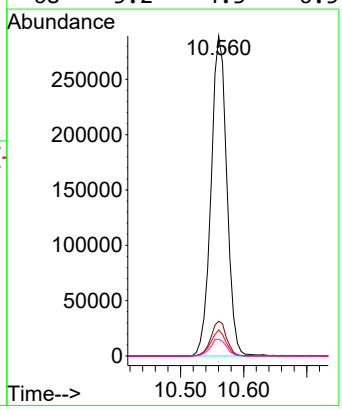


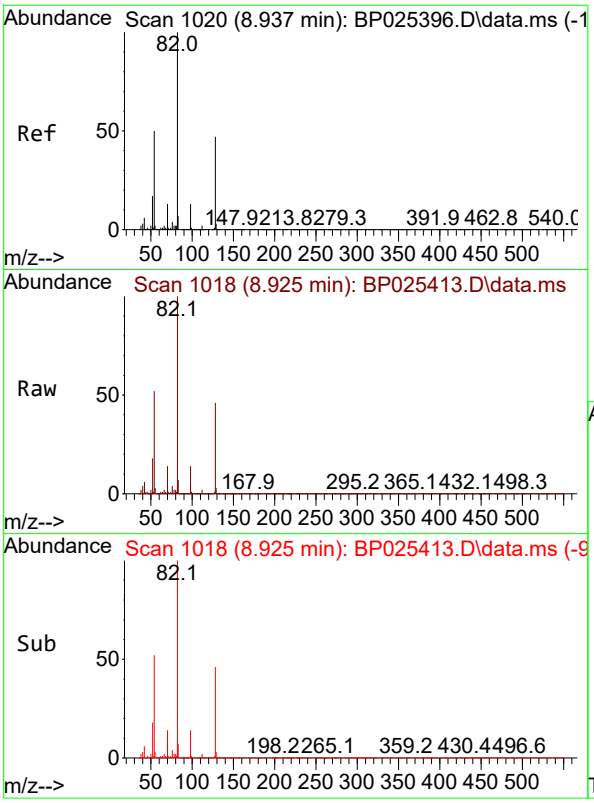


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:136 Resp: 500891

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.2	6.0	9.0
68	5.2	4.3	6.5



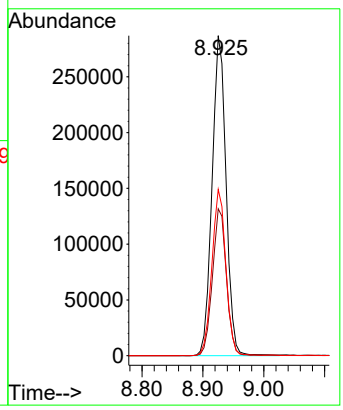


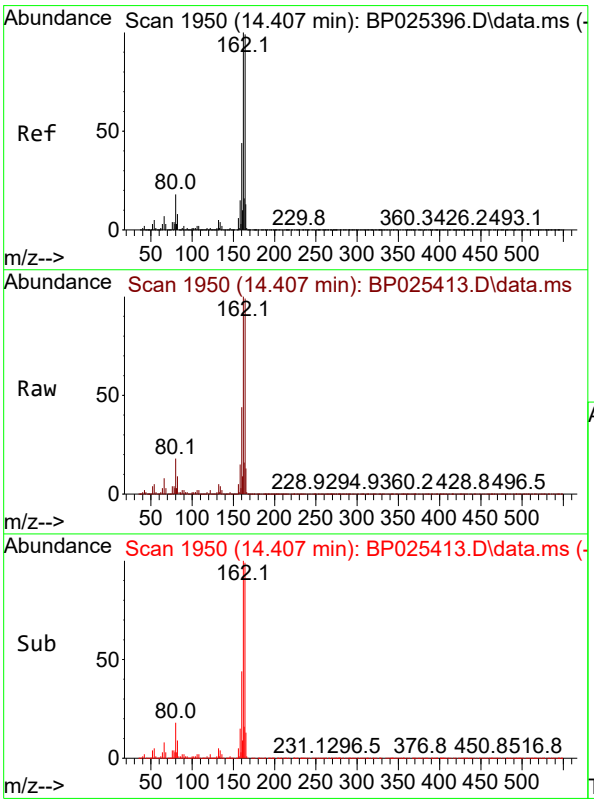
#23
Nitrobenzene-d5
Concen: 46.250 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion: 82 Resp: 457961

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.7	56.5
54	51.9	39.8	59.6

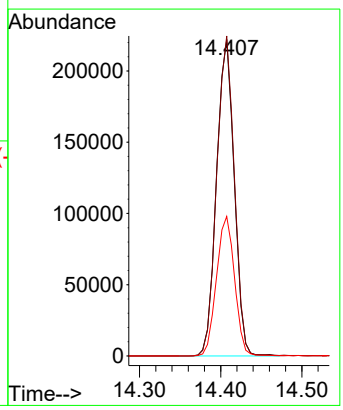


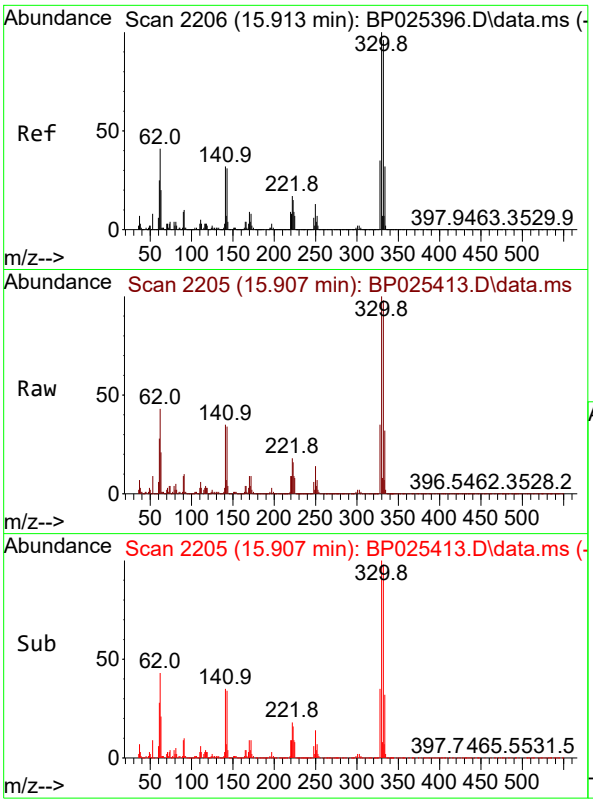


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:164 Resp: 336879

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.0	121.6
160	44.1	35.4	53.2



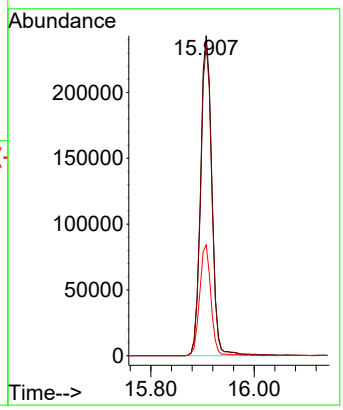


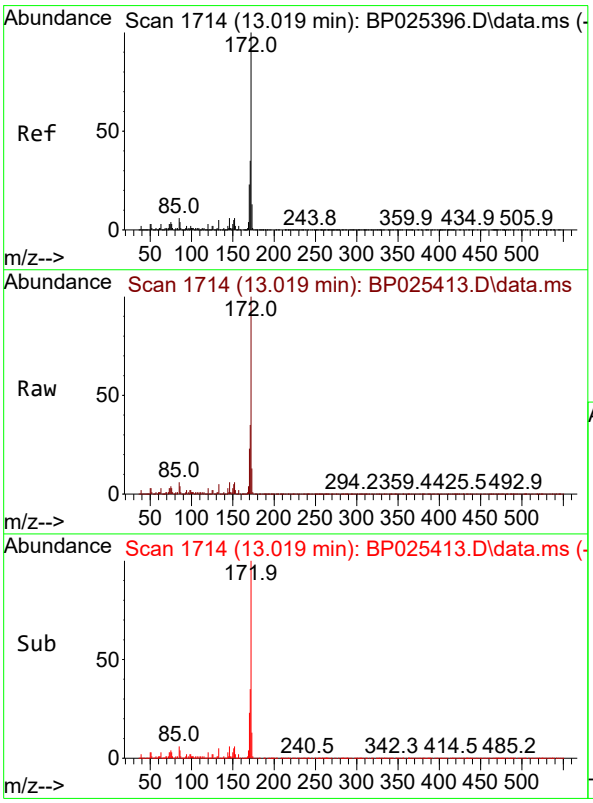
#42
2,4,6-Tribromophenol
Concen: 81.477 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion:330 Resp: 369453

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	34.4	26.6	39.8

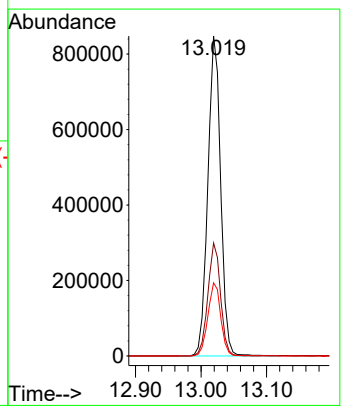


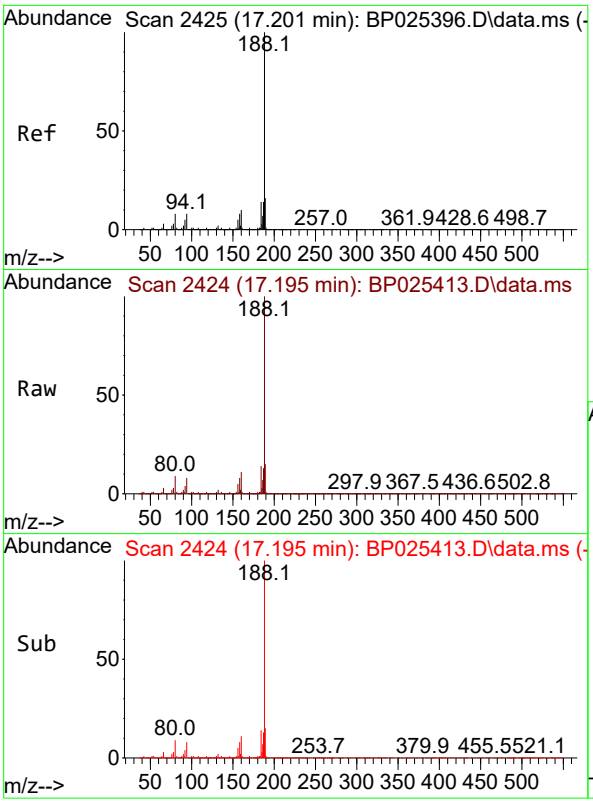


#45
2-Fluorobiphenyl
Concen: 46.816 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:172 Resp: 1153986

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	22.8	18.6	28.0



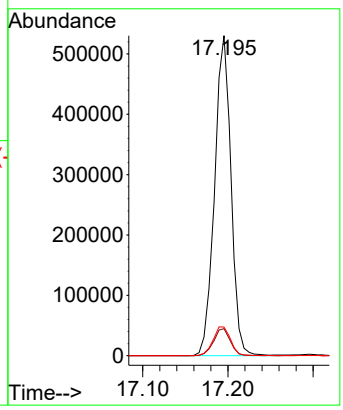


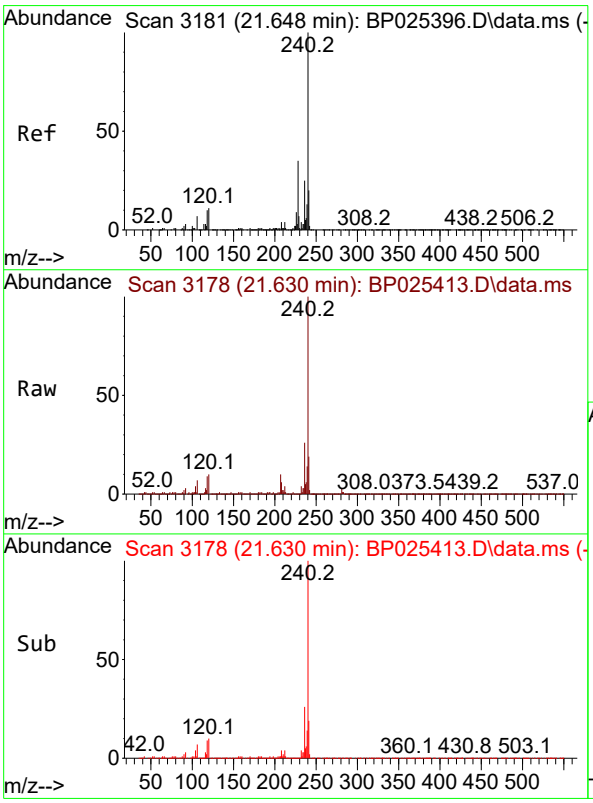
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion:188 Resp: 709790

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.9	6.7	10.1

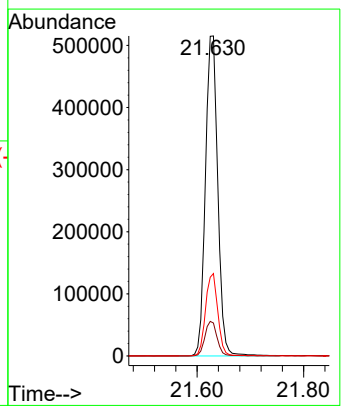


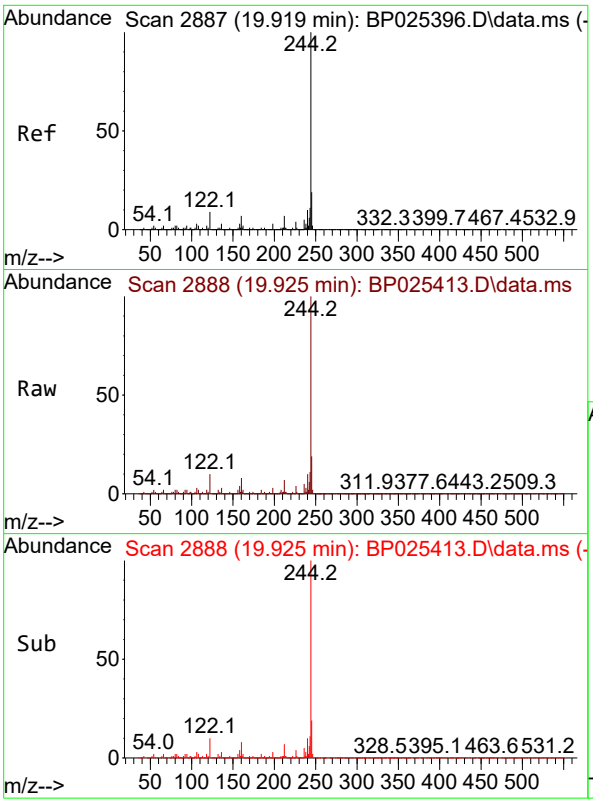


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:240 Resp: 830900

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.7	19.8	29.8



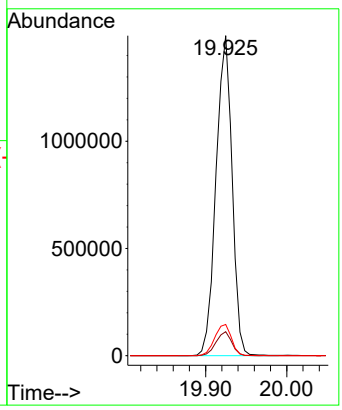


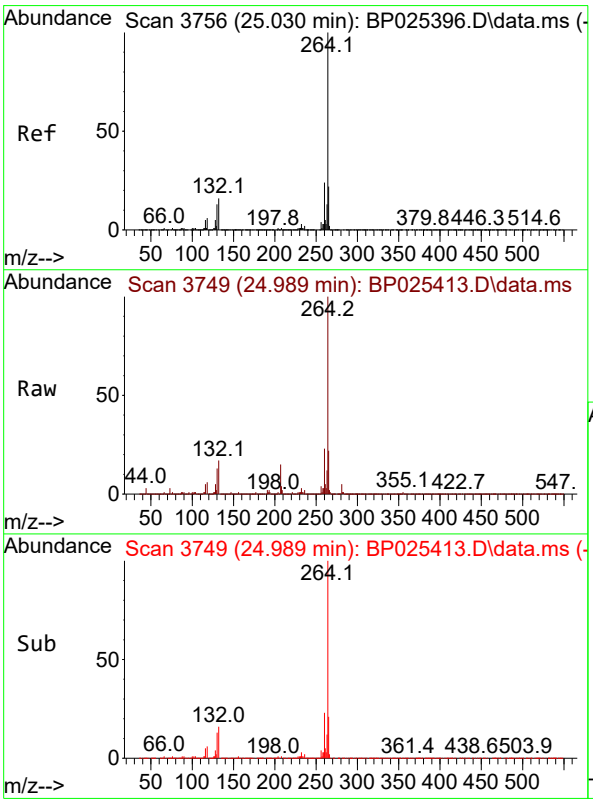
#79
Terphenyl-d14
Concen: 45.177 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Instrument :
BNA_P
ClientSampleId :
10P-N

Tgt Ion:244 Resp: 2051731

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.8	7.4	11.2

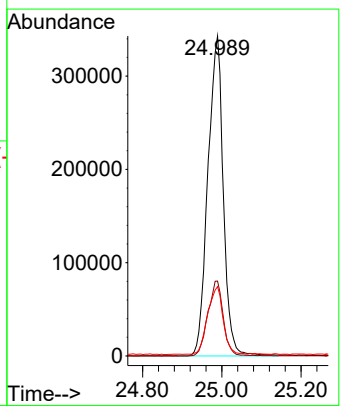




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025413.D
Acq: 15 Aug 2025 04:26

Tgt Ion:264 Resp: 927401

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0



Sample Results: **BP025413.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	135832	182695	3.25%	0.621%
2	3.043	13	18	35	rVB	779315	936479	16.67%	3.185%
3	4.955	337	343	351	rVB	119683	170997	3.04%	0.581%
4	5.408	413	420	430	rBV	1329763	1984902	35.33%	6.750%
5	6.966	676	685	699	rBV	1295888	2117245	37.68%	7.200%
6	7.790	816	825	834	rBV	467907	742184	13.21%	2.524%
7	8.925	1011	1018	1028	rBV	856306	1374944	24.47%	4.676%
8	10.560	1284	1296	1305	rBV	590428	1020860	18.17%	3.471%
9	13.019	1706	1714	1725	rBV	2472739	3351954	59.66%	11.399%
10	14.407	1940	1950	1962	rBV	925830	1437279	25.58%	4.888%
11	15.778	2175	2183	2190	rBV	325981	434769	7.74%	1.478%
12	15.907	2198	2205	2218	rBV	1830683	2801477	49.86%	9.527%
13	17.195	2417	2424	2435	rBV2	1295370	1776464	31.62%	6.041%
14	18.142	2579	2585	2592	rBV	282440	425497	7.57%	1.447%
15	19.472	2806	2811	2820	rBV	116789	181398	3.23%	0.617%
16	19.925	2881	2888	2899	rBV	4056845	5618459	100.00%	19.106%
17	21.313	3119	3124	3133	rBV5	135029	258937	4.61%	0.881%
18	21.630	3172	3178	3188	rVB	1392107	2225242	39.61%	7.567%
19	24.989	3739	3749	3759	rVB2	881153	2365111	42.10%	8.043%

Sum of corrected areas: 29406893

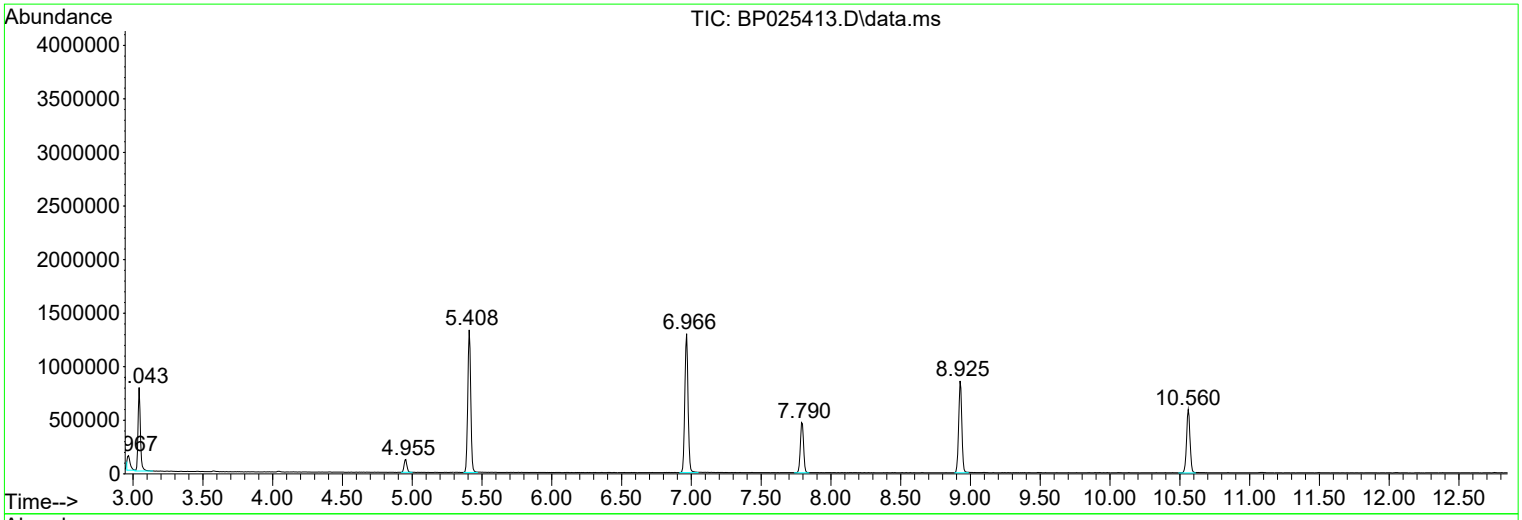
Sample Results: **BP025413.D**

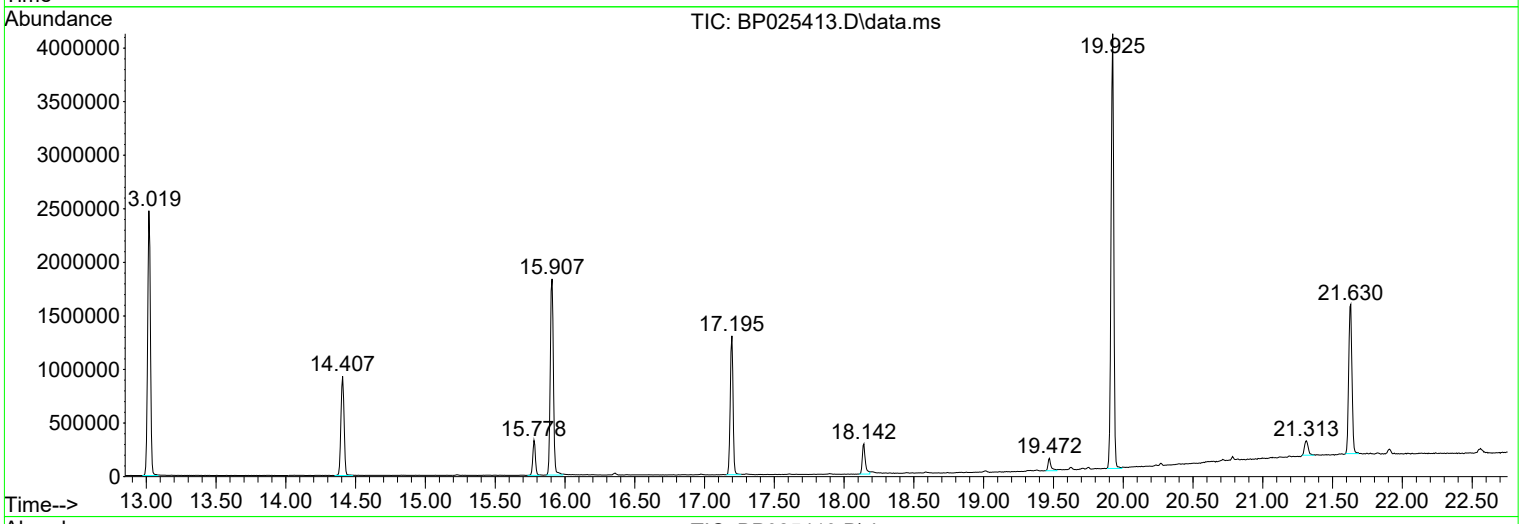
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

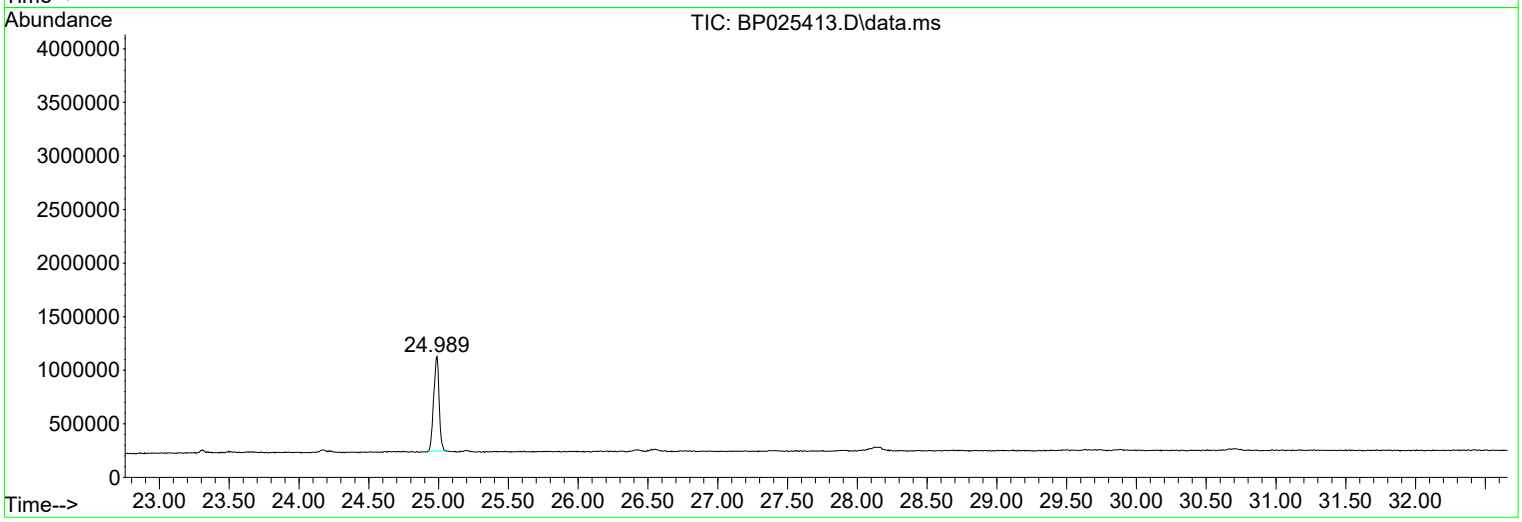
Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

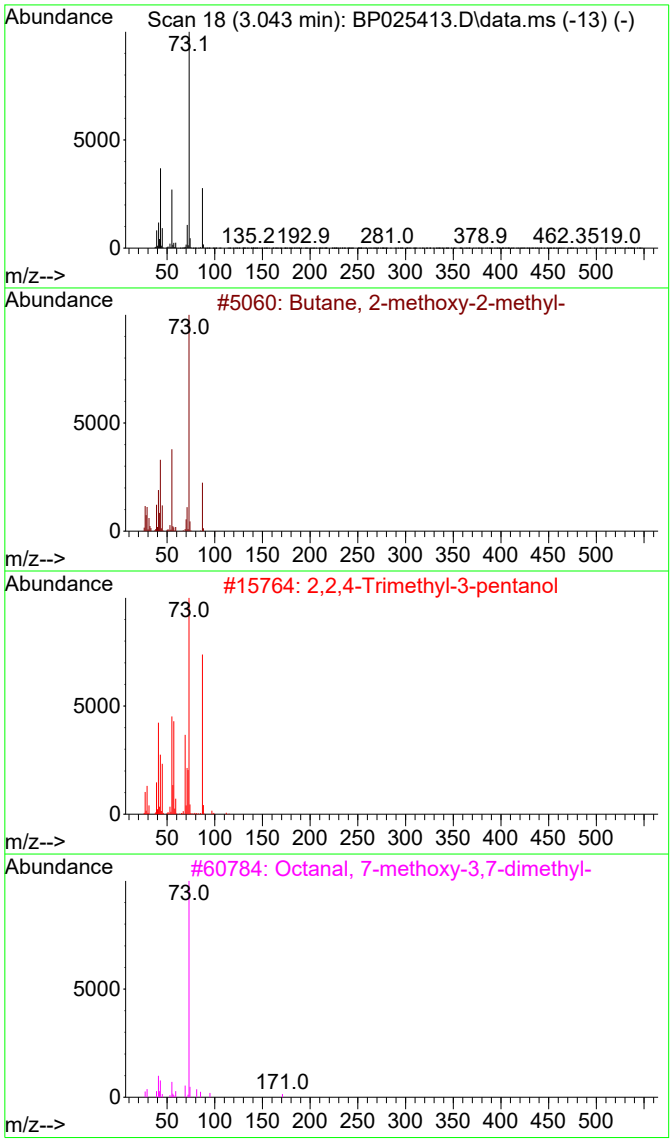
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

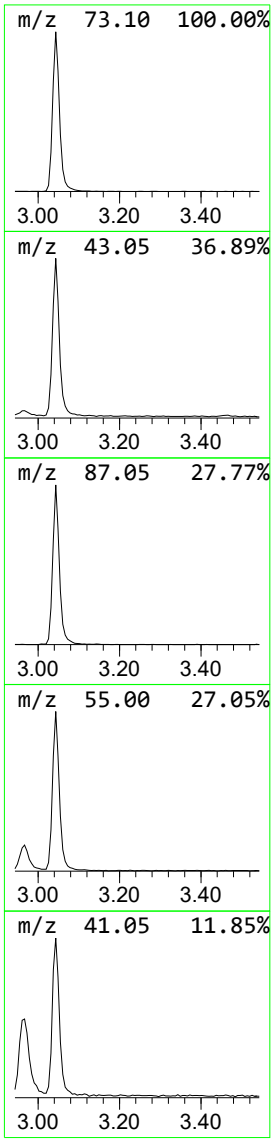
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	25.24 ng	936479	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

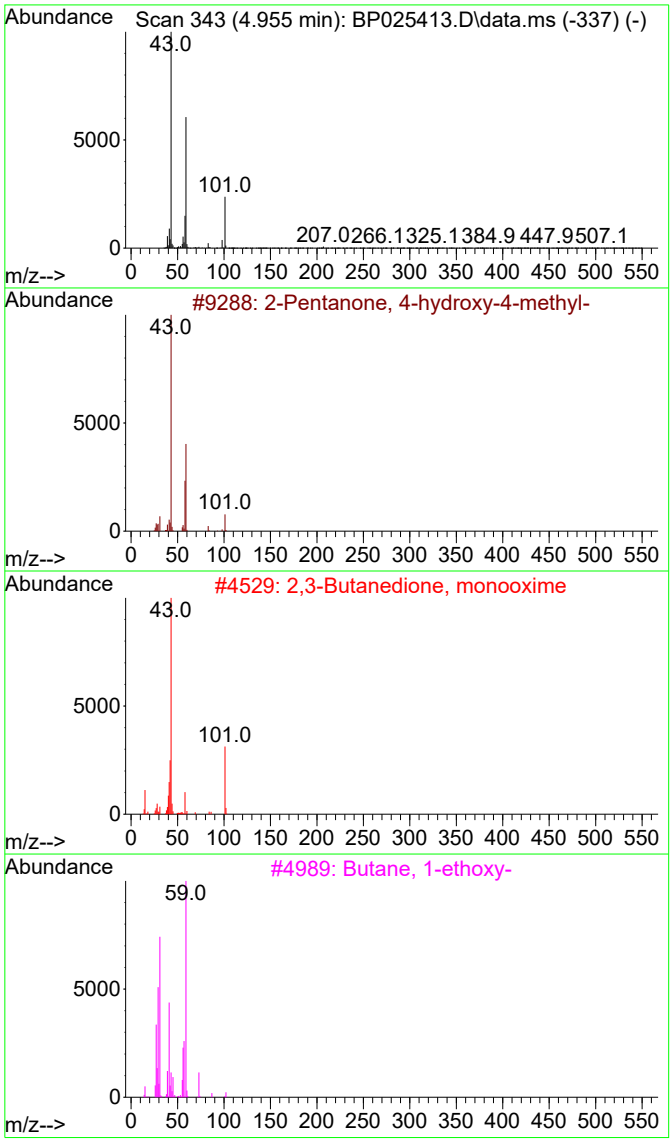
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

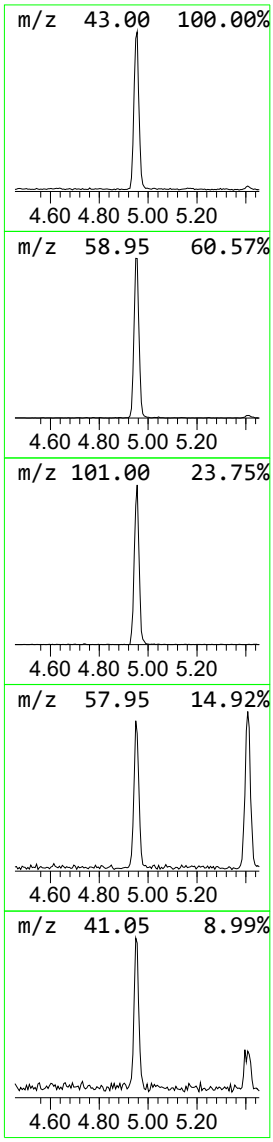
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.955	4.61 ng	170997	1,4-Dichlorobenzene-d4	7.796

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

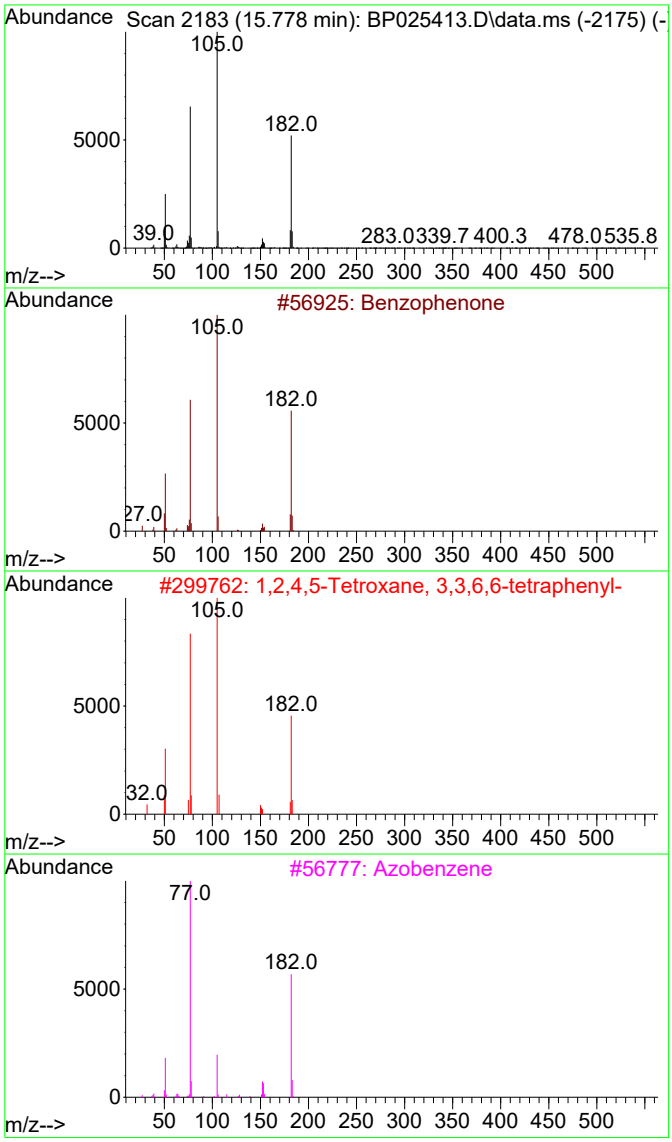
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

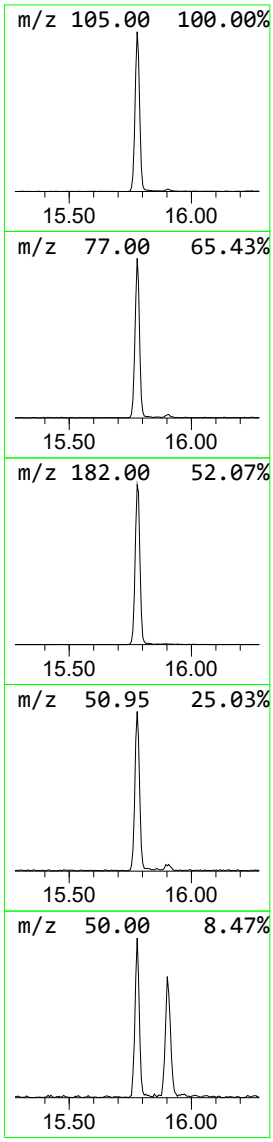
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	6.05 ng	434769	Acenaphthene-d10	14.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Azobenzene	182	C12H10N2	000103-33-3	64
4	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
5	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

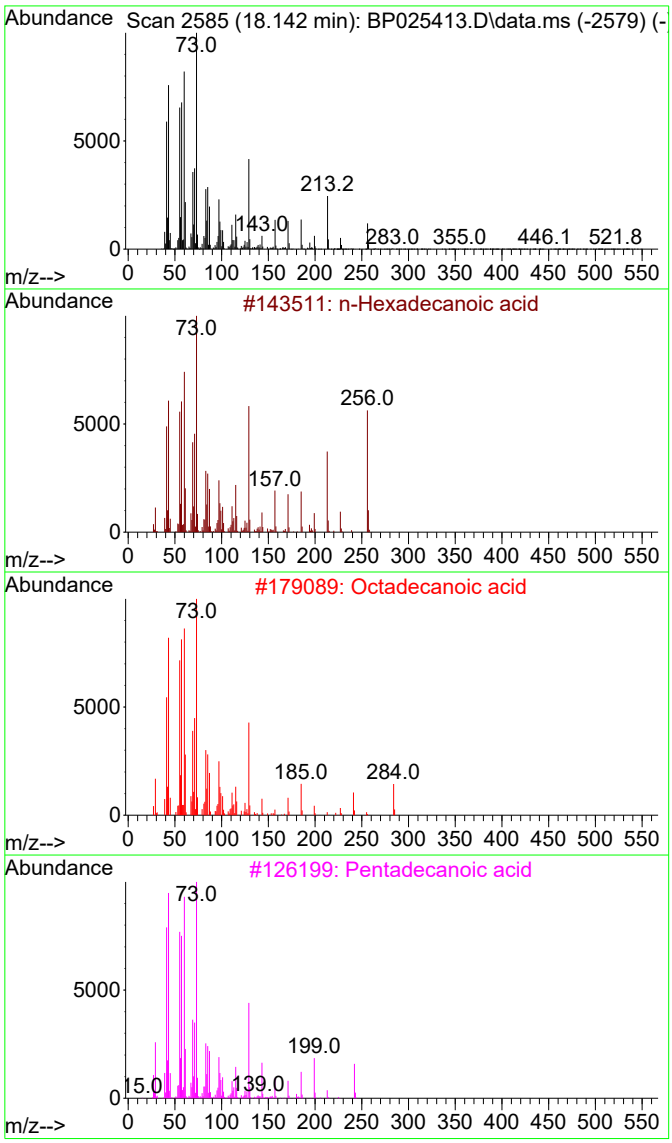
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

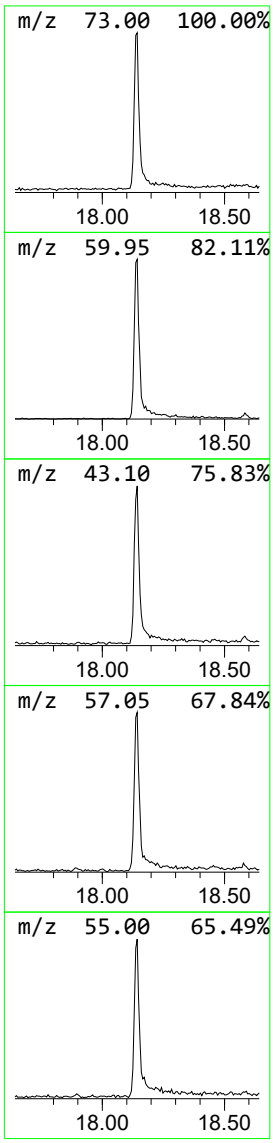
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	4.79 ng	425497	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

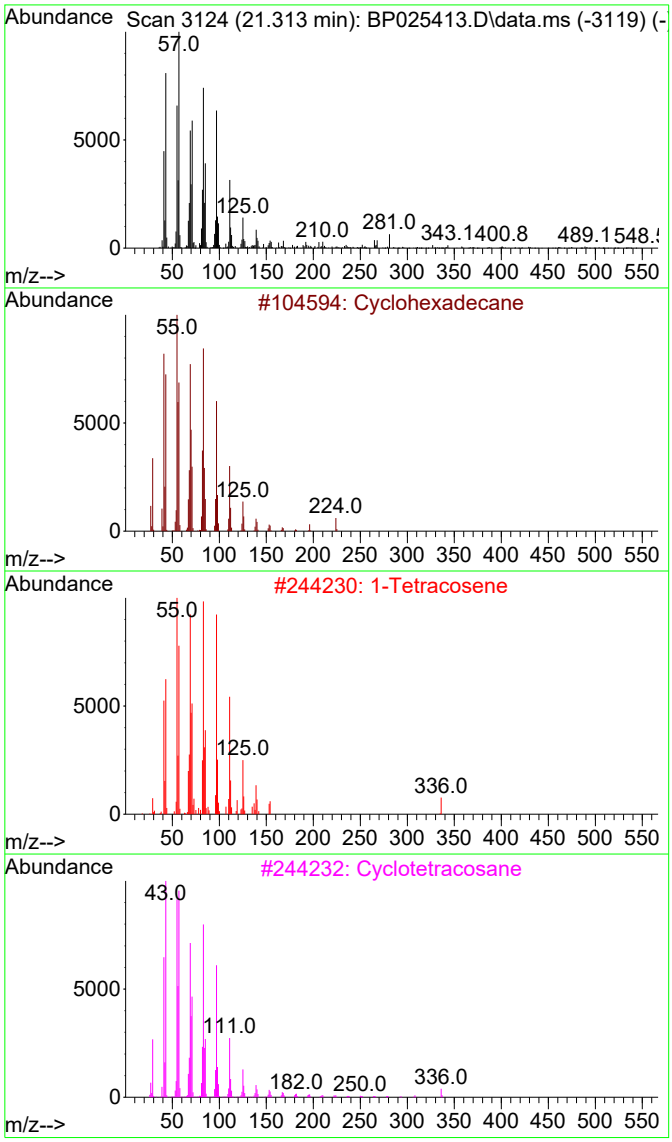
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

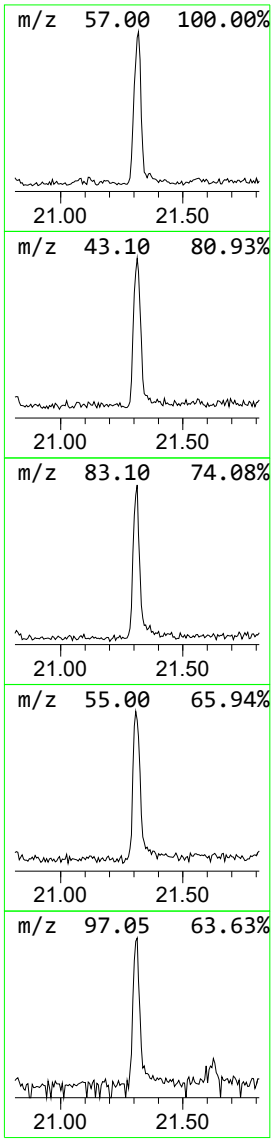
****

Peak Number 6 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	2.33 ng	258937	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	1-Tetracosene	336	C24H48	010192-32-2	98
3	Cyclotetracosane	336	C24H48	000297-03-0	96
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025413.D
Acq On : 15 Aug 2025 04:26
Operator : CG/JU
Sample : Q2820-16
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
10P-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	25.2	ng	936479	1	7.796	742184	20.0
2-Pentanone, 4-...	4.955	4.6	ng	170997	1	7.796	742184	20.0
Benzophenone	15.778	6.0	ng	434769	3	14.407	1437280	20.0
n-Hexadecanoic ...	18.142	4.8	ng	425497	4	17.195	1776460	20.0
Cyclohexadecane	21.313	2.3	ng	258937	5	21.630	2225240	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.1	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.3	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.6	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.6	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.6	U	57.3	96.6	96.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.1	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.3	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.3	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.2	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.2	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.4	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.6	160	210	ug/Kg
105-60-2	Caprolactam	330	U	62.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.9	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.1	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.3	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.1	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.7	160	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.9	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.6	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.7	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.2	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.5	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.7	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.6	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.2	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.2	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.9	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.2	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.2	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.3	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.8	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.0	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.5	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.9	160	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.6	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.1	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.0	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.9	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.6	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.1	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106		35 - 115		71%	SPK: 150
13127-88-3	Phenol-d6	106		34 - 127		70%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.0		37 - 122		66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.5		44 - 115		62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140000	7.79				
1146-65-2	Naphthalene-d8	556000	10.56				
15067-26-2	Acenaphthene-d10	371000	14.395				
1517-22-2	Phenanthrene-d10	798000	17.195				
1719-03-5	Chrysene-d12	894000	21.636				
1520-96-3	Perylene-d12	1030000	25.001				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB			4.95	ug/Kg
000119-61-9	Benzophenone	260	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J			18.1	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.			Date Collected:	08/08/25
Project:	USACE018-44 DOD			Date Received:	08/08/25
Client Sample ID:	88H-E			SDG No.:	Q2820
Lab Sample ID:	Q2820-17			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	82.6
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Time: Aug 15 08:01:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

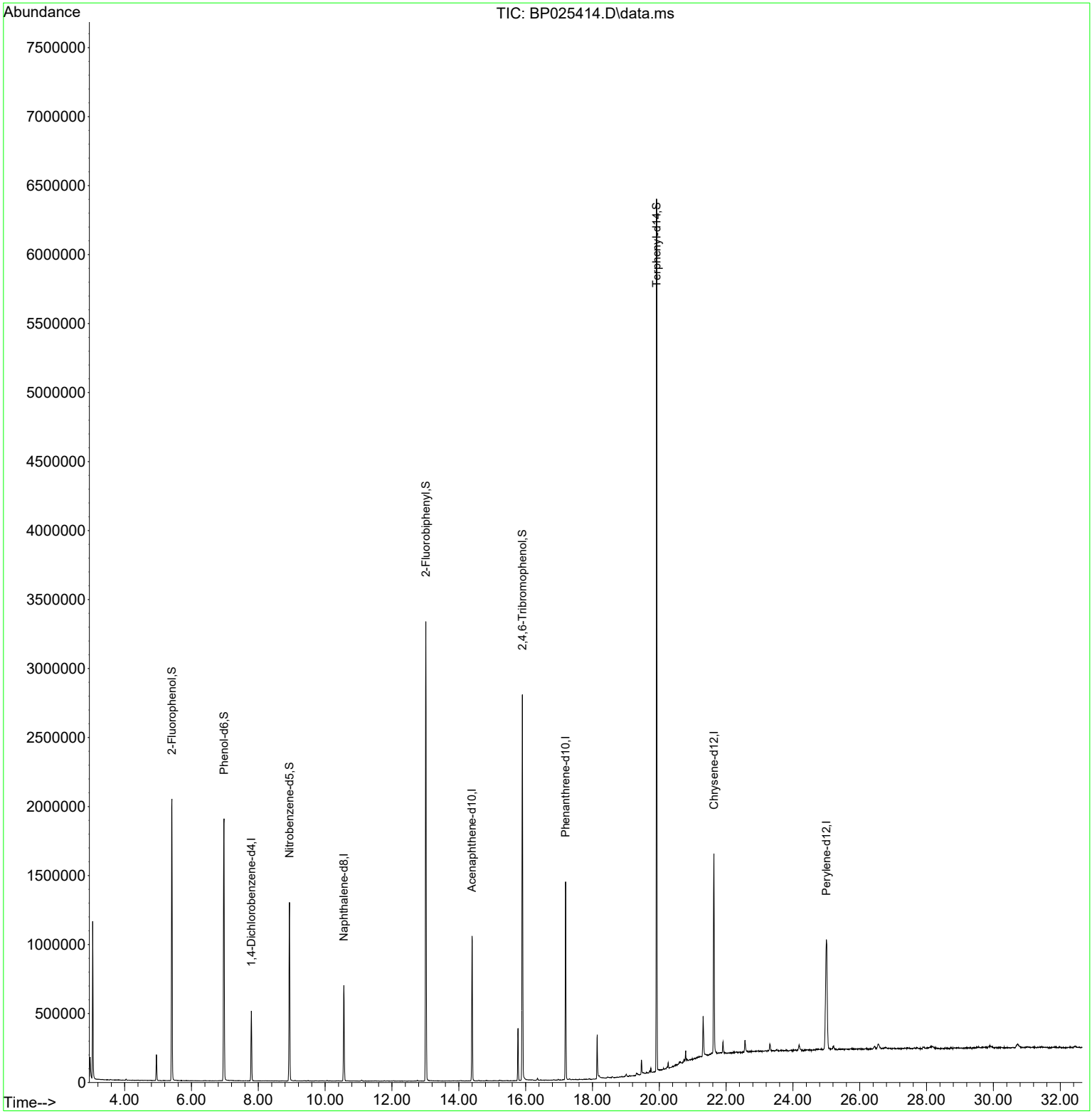
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140408	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	555583	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	371326	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	797971	20.000	ng	0.00
76) Chrysene-d12	21.636	240	894007	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1029799	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	897806	106.189	ng	0.00
7) Phenol-d6	6.972	99	1146067	105.729	ng	0.00
23) Nitrobenzene-d5	8.931	82	725162	66.026	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	555021	111.047	ng	-0.01
45) 2-Fluorobiphenyl	13.013	172	1672131	61.544	ng	0.00
79) Terphenyl-d14	19.919	244	2857564	58.480	ng	0.00
Target Compounds						Qvalue

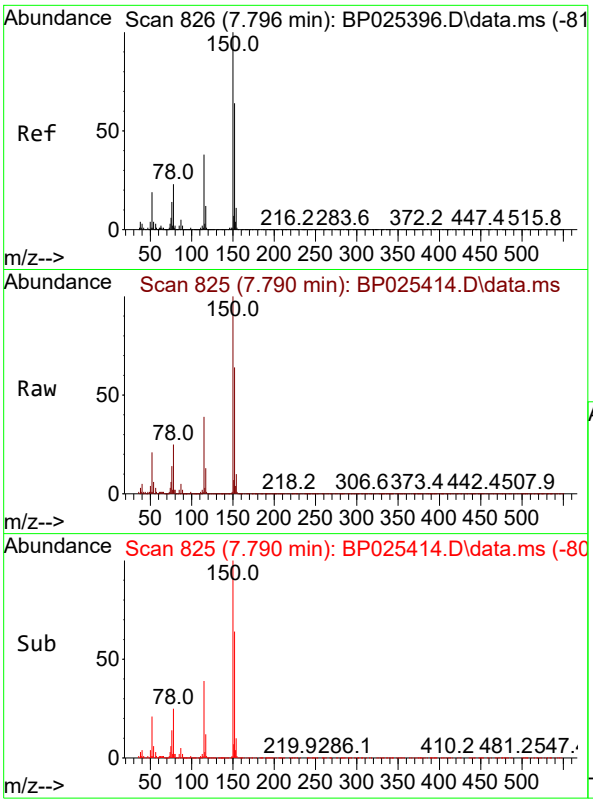
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Time: Aug 15 08:01:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



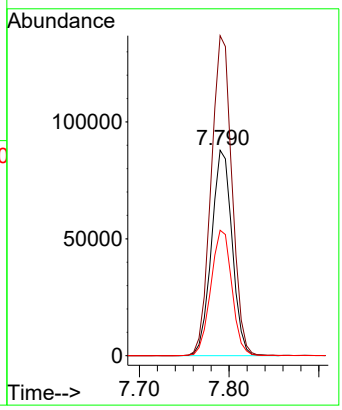


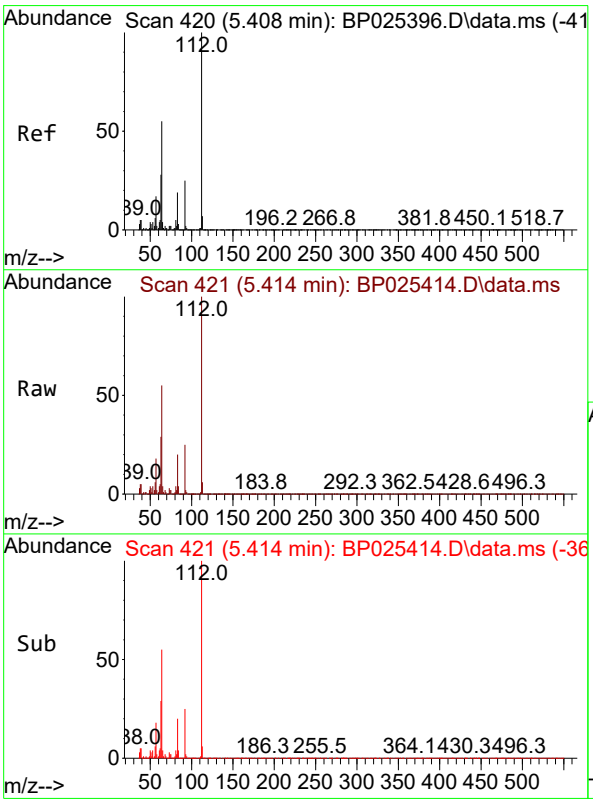
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion:152 Resp: 140408

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.9	188.9
115	61.1	48.5	72.7

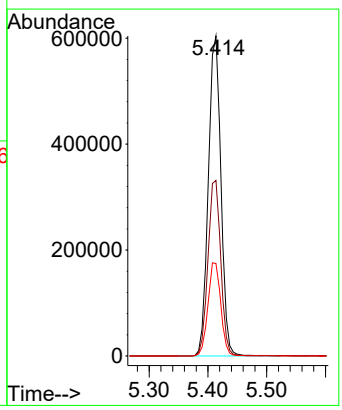


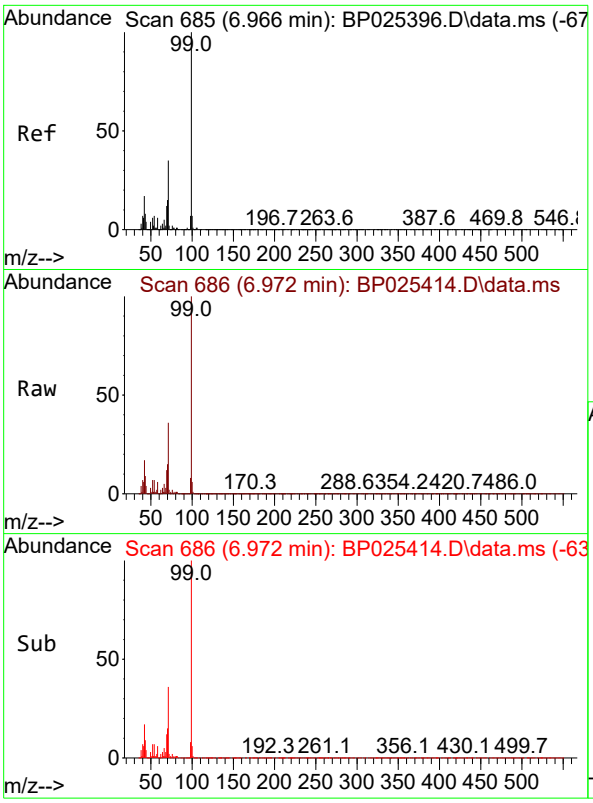


#5
2-Fluorophenol
Concen: 106.189 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:112 Resp: 897806

Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.8	65.8
63	28.9	22.7	34.1



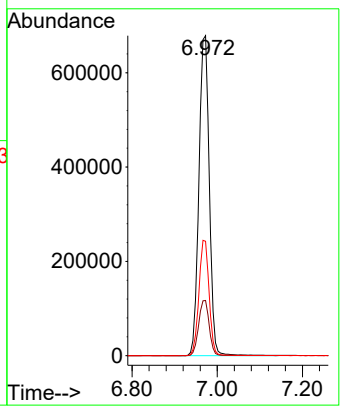


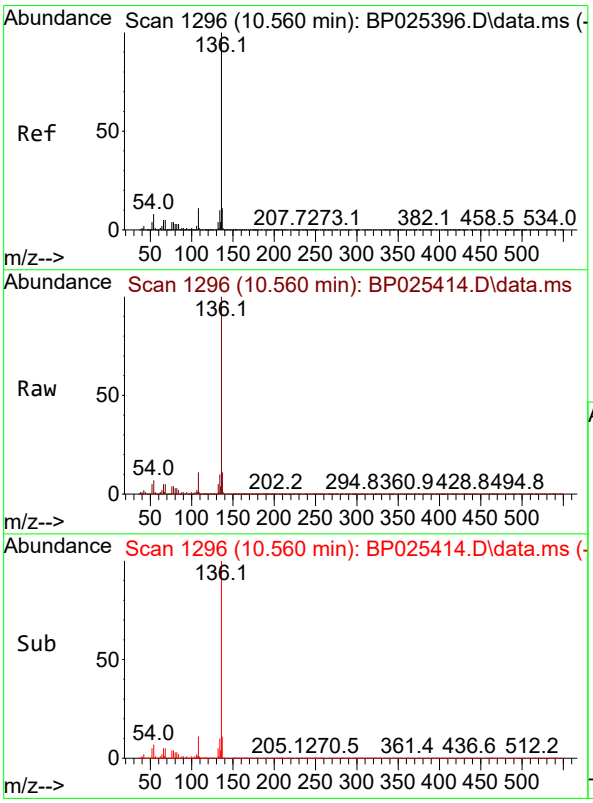
#7
Phenol-d6
Concen: 105.729 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion: 99 Resp: 1146067

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.7	20.5
71	35.7	28.2	42.4

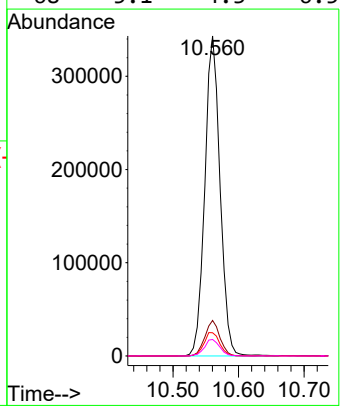


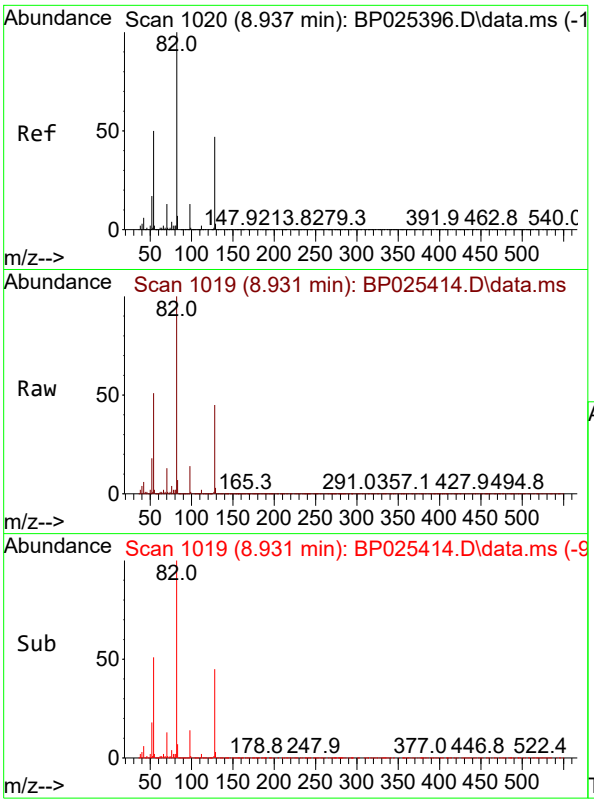


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:136 Resp: 555583

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.3	6.0	9.0
68	5.1	4.3	6.5



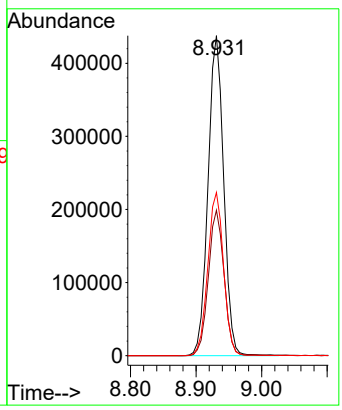


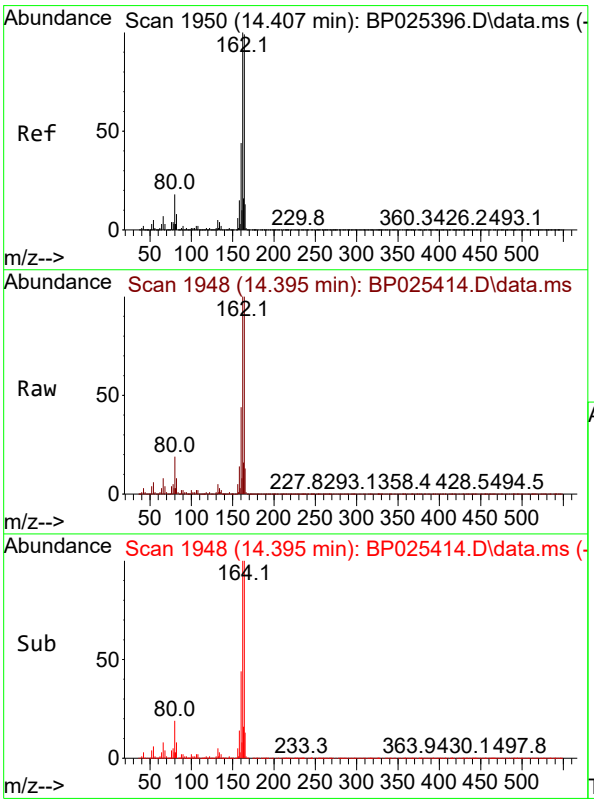
#23
Nitrobenzene-d5
Concen: 66.026 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion: 82 Resp: 725162

Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.7	56.5
54	51.0	39.8	59.6

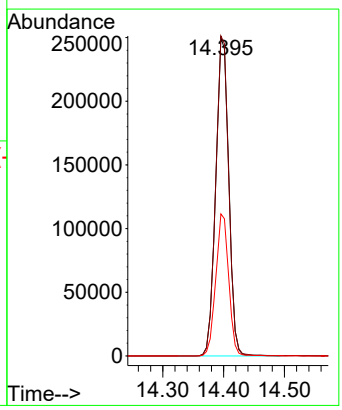


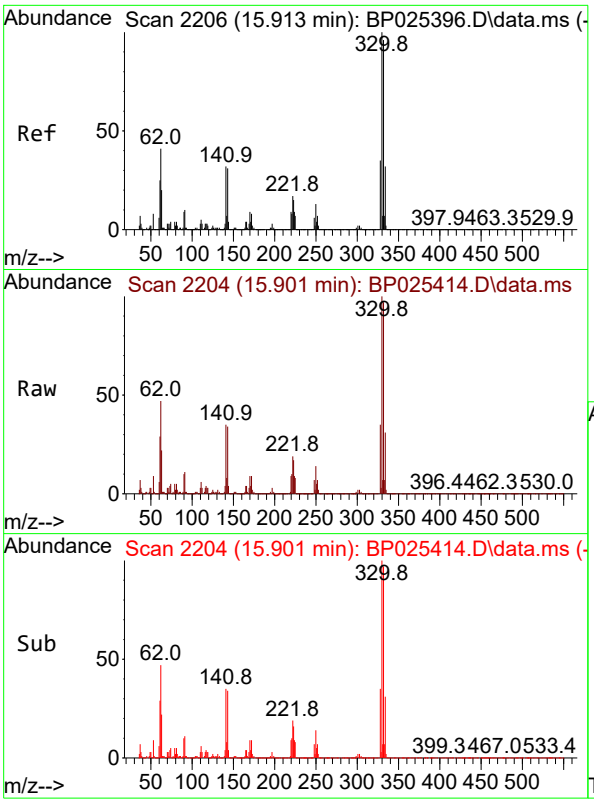


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:164 Resp: 371326

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.6
160	44.6	35.4	53.2



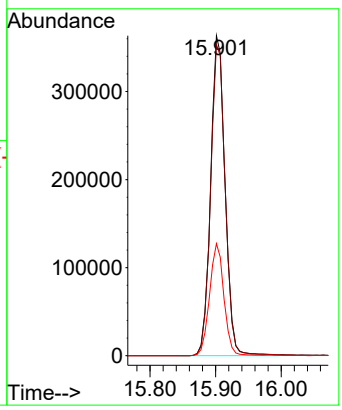


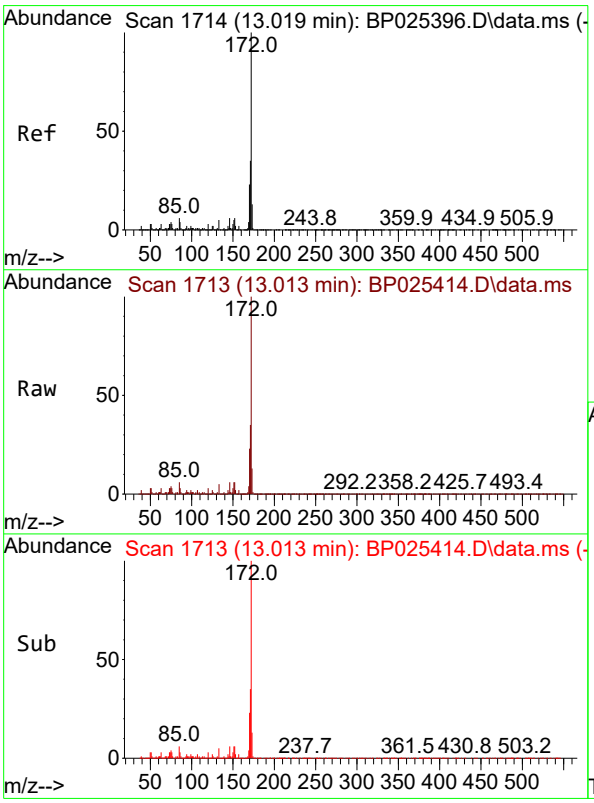
#42
2,4,6-Tribromophenol
Concen: 111.047 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion:330 Resp: 555021

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.3	115.9
141	34.9	26.6	39.8

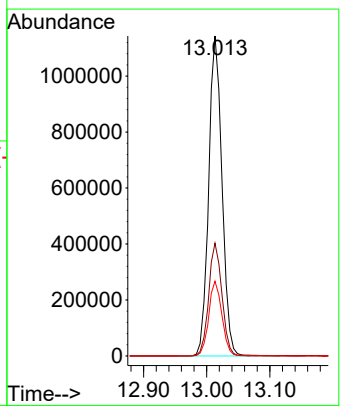


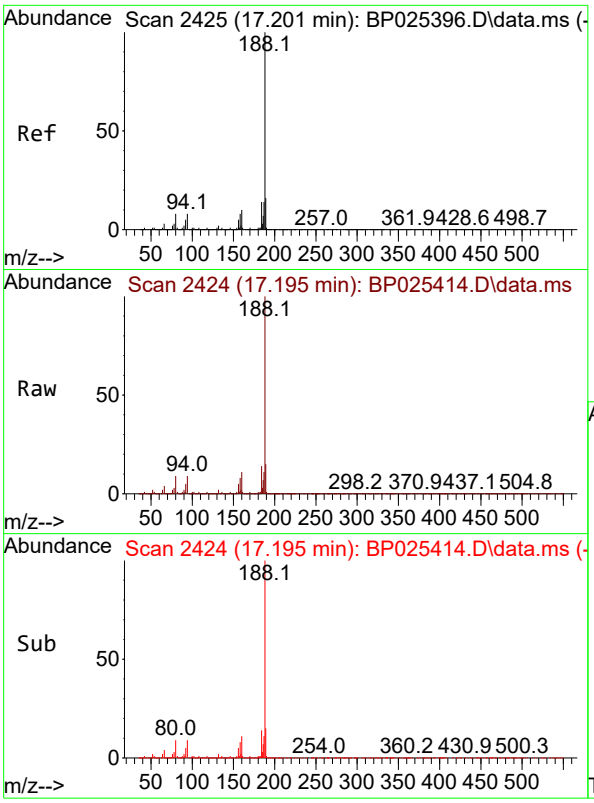


#45
2-Fluorobiphenyl
Concen: 61.544 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:172 Resp: 1672131

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.4	18.6	28.0



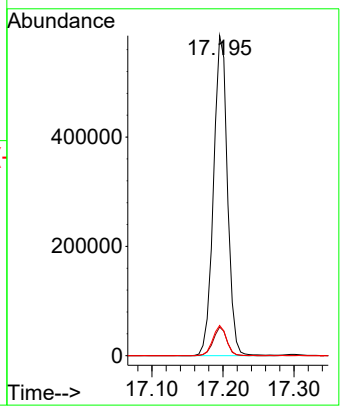


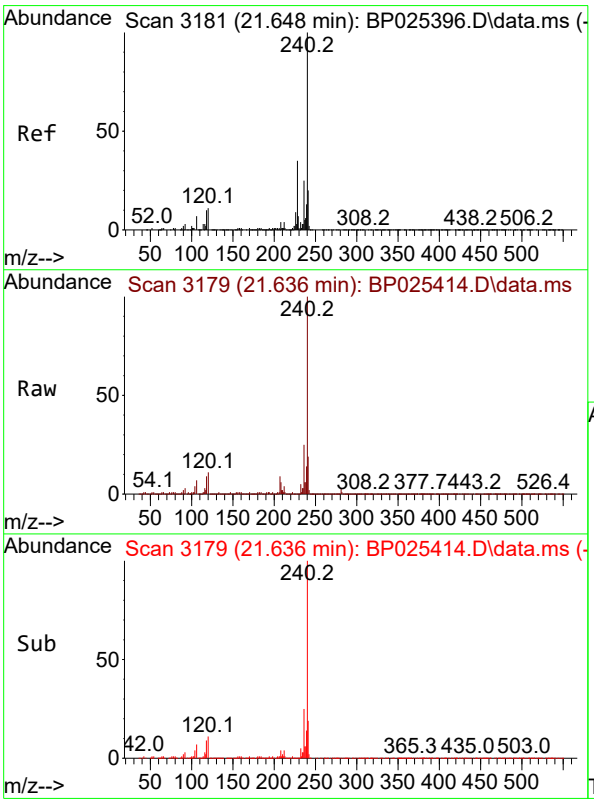
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion:188 Resp: 797971

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	6.7	10.1

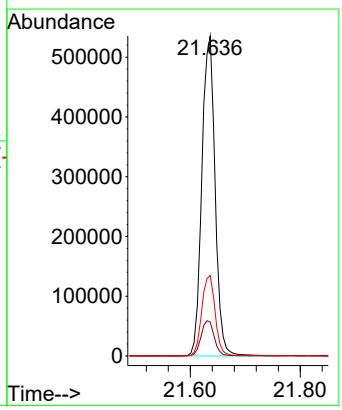


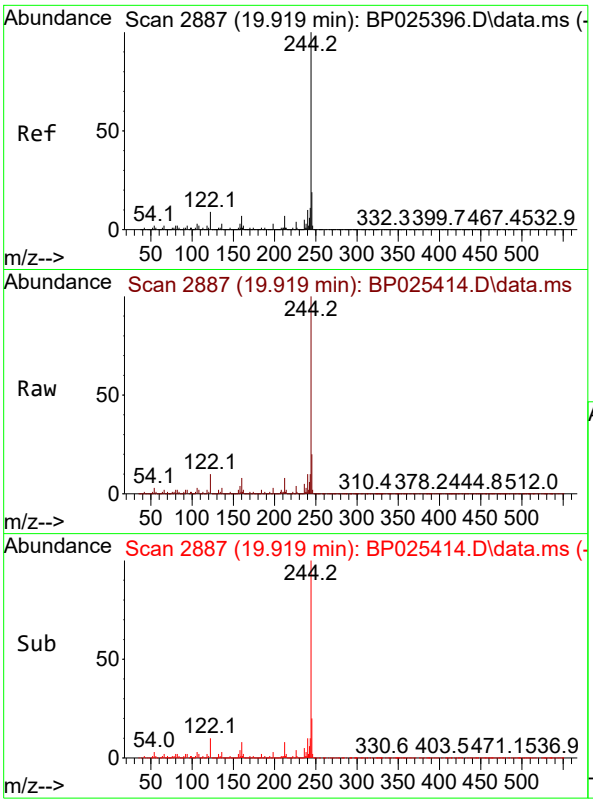


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:240 Resp: 894007

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.1	19.8	29.8



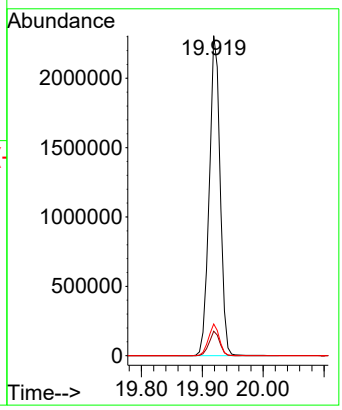


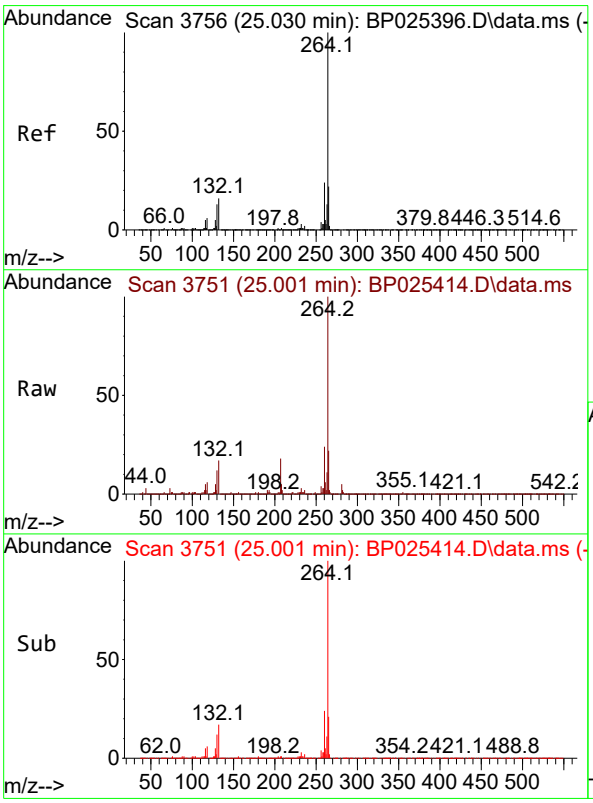
#79
Terphenyl-d14
Concen: 58.480 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Instrument :
BNA_P
ClientSampleId :
88H-E

Tgt Ion:244 Resp: 2857564

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	9.9	7.4	11.2

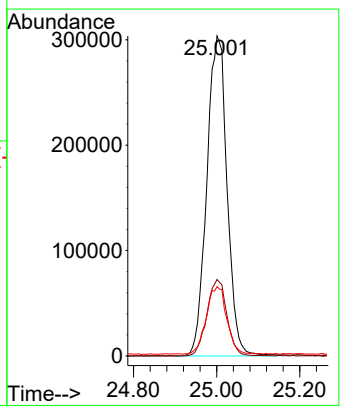




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025414.D
Acq: 15 Aug 2025 05:07

Tgt Ion:264 Resp: 1029799

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.7	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025414.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	150921	211096	2.71%	0.530%
2	3.043	13	18	35	rVB	1144514	1435747	18.46%	3.607%
3	4.949	337	342	352	rVB	187910	267197	3.43%	0.671%
4	5.414	412	421	434	rBV	2042527	3075704	39.54%	7.726%
5	6.972	677	686	699	rBV	1899744	3223945	41.45%	8.099%
6	7.790	817	825	833	rBV	507663	823660	10.59%	2.069%
7	8.931	1011	1019	1029	rBV	1294449	2163109	27.81%	5.434%
8	10.560	1287	1296	1306	rBV	693902	1128912	14.51%	2.836%
9	13.013	1705	1713	1724	rBV	3329267	4857921	62.45%	12.203%
10	14.395	1939	1948	1955	rBV	1050226	1568802	20.17%	3.941%
11	15.772	2176	2182	2189	rBV	379240	515476	6.63%	1.295%
12	15.901	2196	2204	2223	rBV	2796234	4305832	55.35%	10.817%
13	17.195	2417	2424	2434	rBV2	1436013	1992296	25.61%	5.005%
14	18.142	2580	2585	2592	rBV	319324	443478	5.70%	1.114%
15	19.466	2806	2810	2819	rBV2	106787	171278	2.20%	0.430%
16	19.919	2881	2887	2894	rBV	6324160	7778833	100.00%	19.541%
17	21.313	3119	3124	3132	rBV2	290658	521222	6.70%	1.309%
18	21.636	3172	3179	3193	rVB	1447686	2439520	31.36%	6.128%
19	21.907	3222	3225	3231	rVB	81400	116584	1.50%	0.293%
20	22.566	3334	3337	3349	rVB3	83065	140980	1.81%	0.354%
21	25.001	3741	3751	3763	rVB2	788394	2626203	33.76%	6.597%

Sum of corrected areas: 39807795

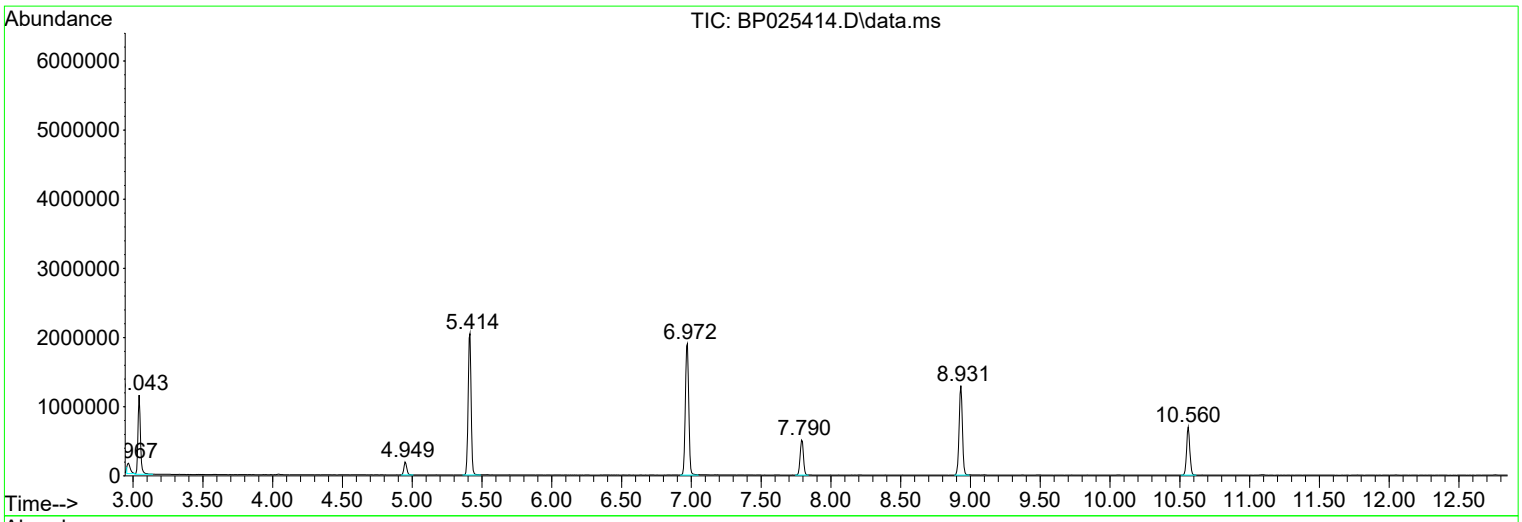
Sample Results: **BP025414.D**

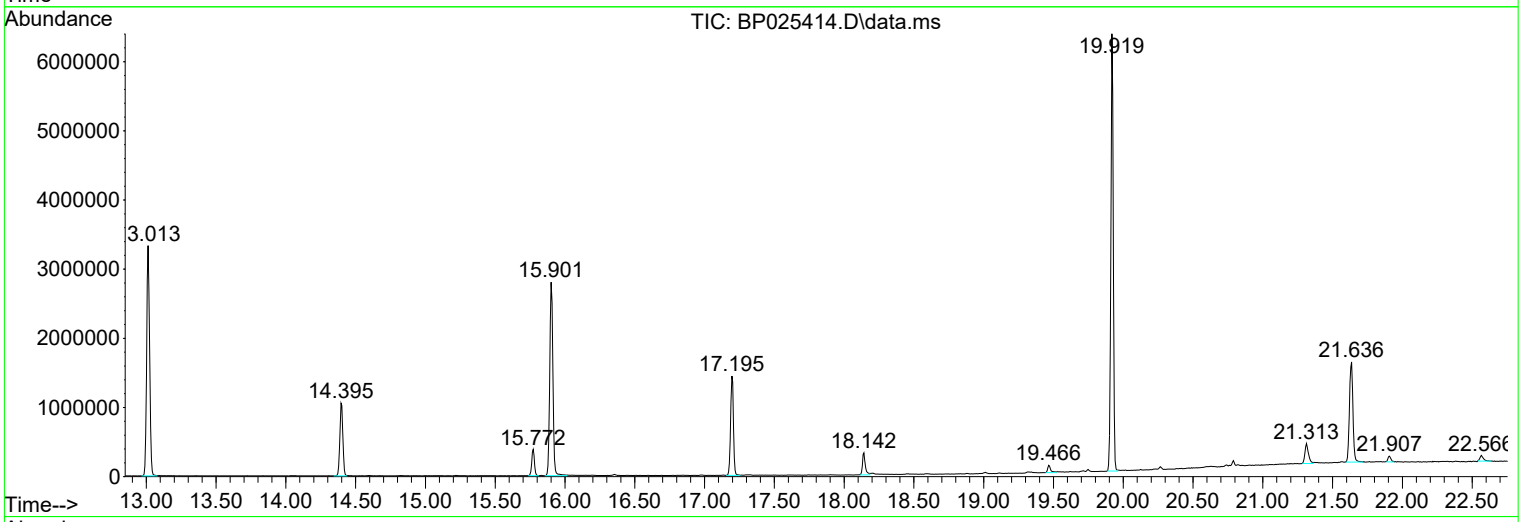
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

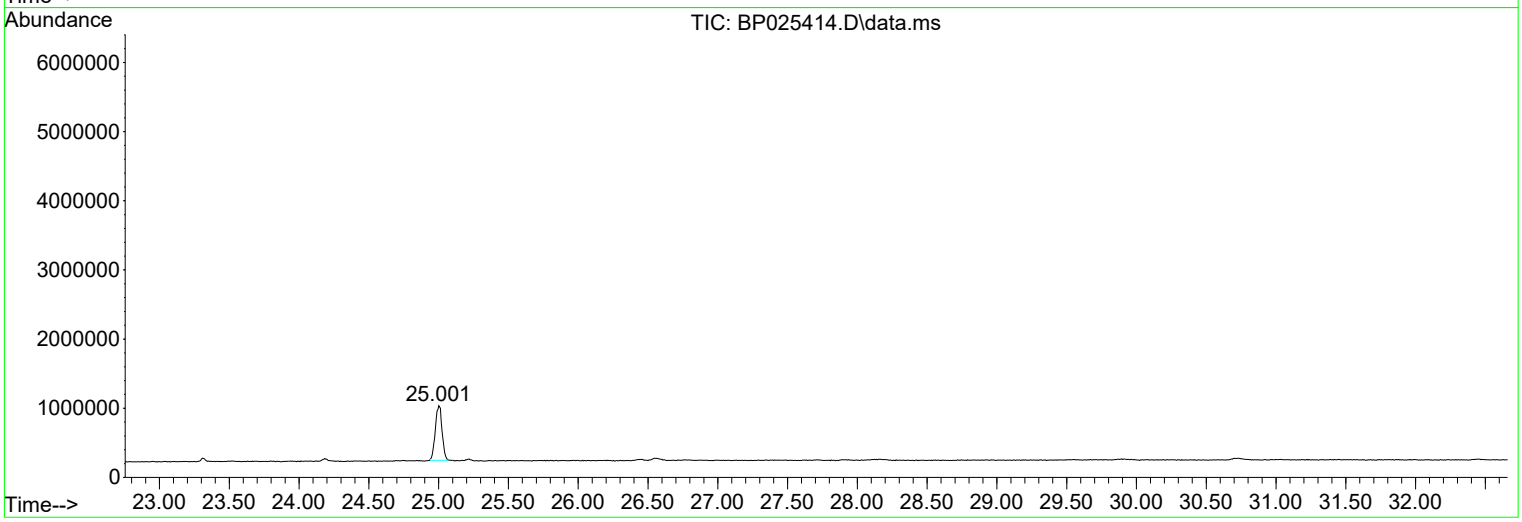
Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

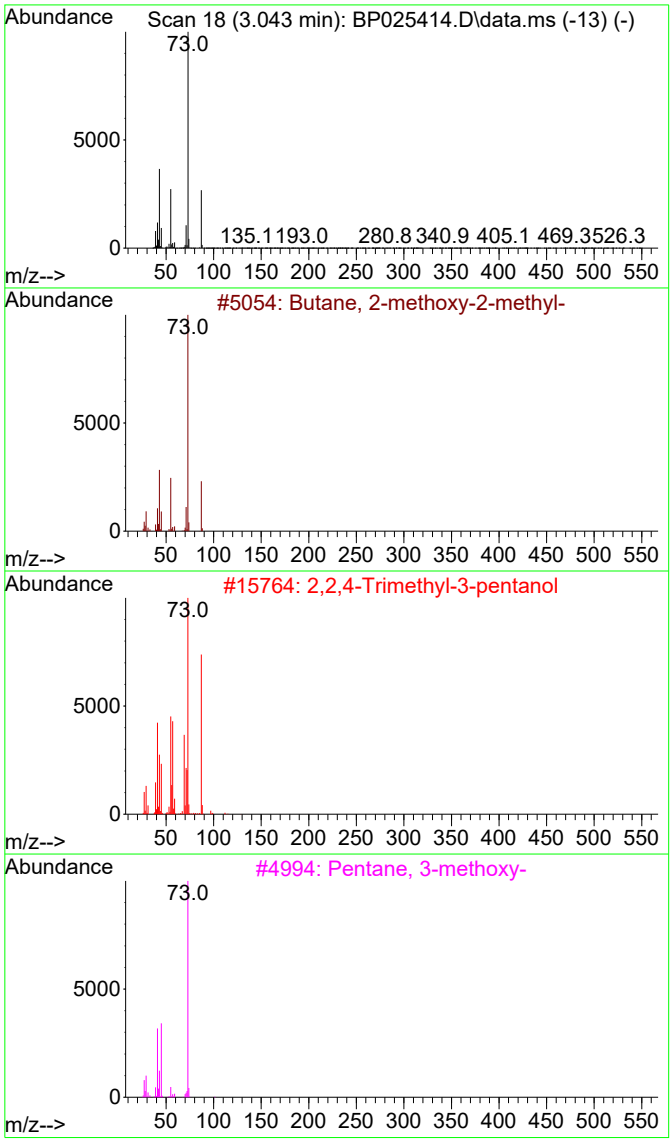
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

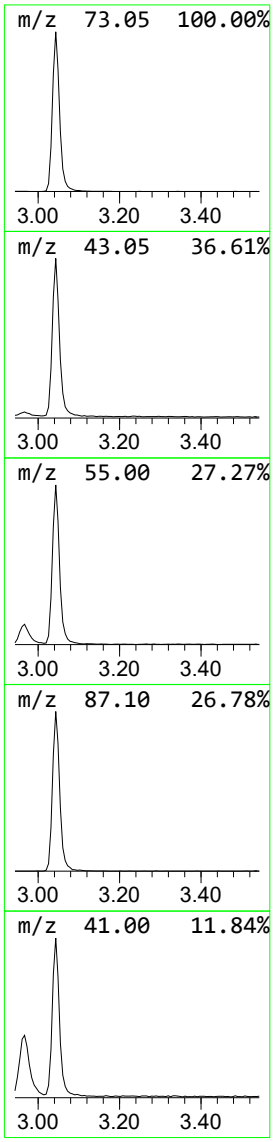
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	34.86 ng	1435750	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

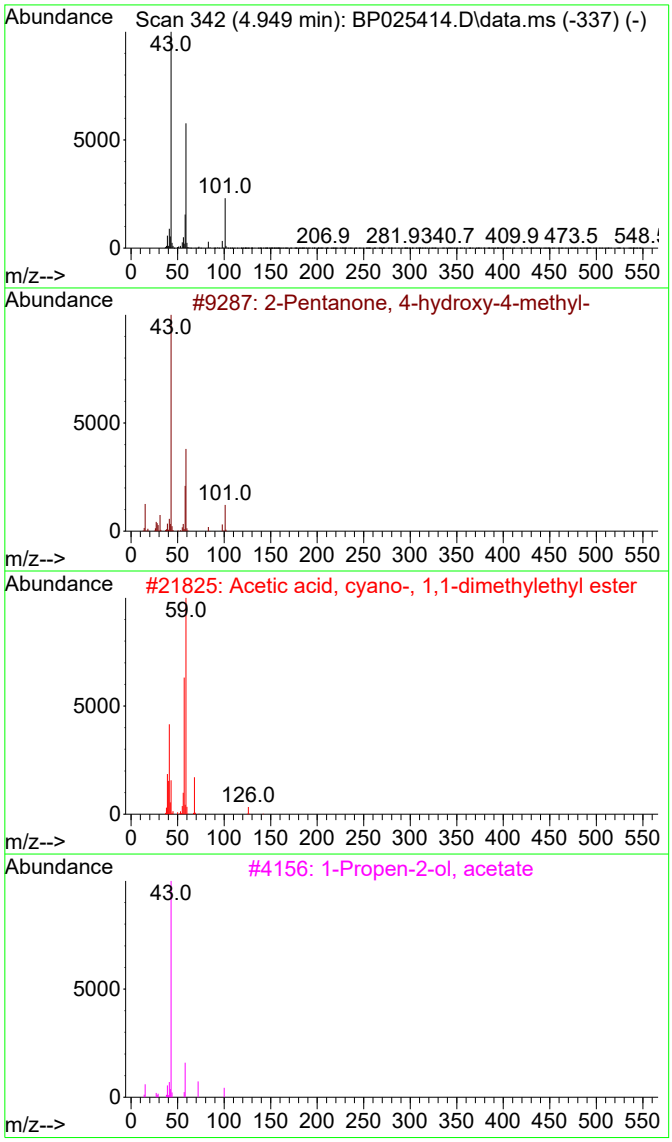
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

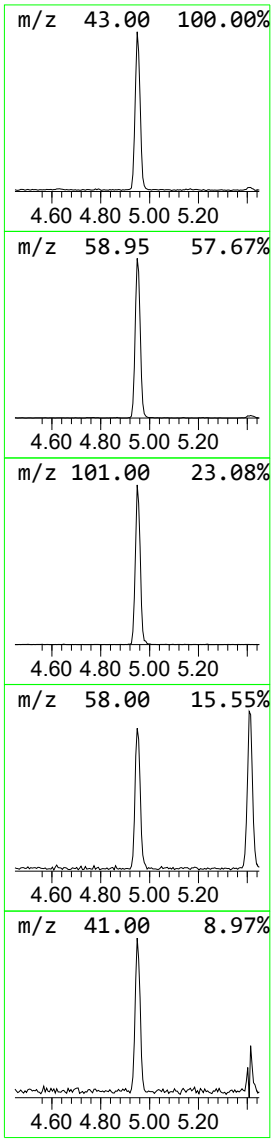
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	6.49 ng	267197	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Acetone	58	C3H6O	000067-64-1	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

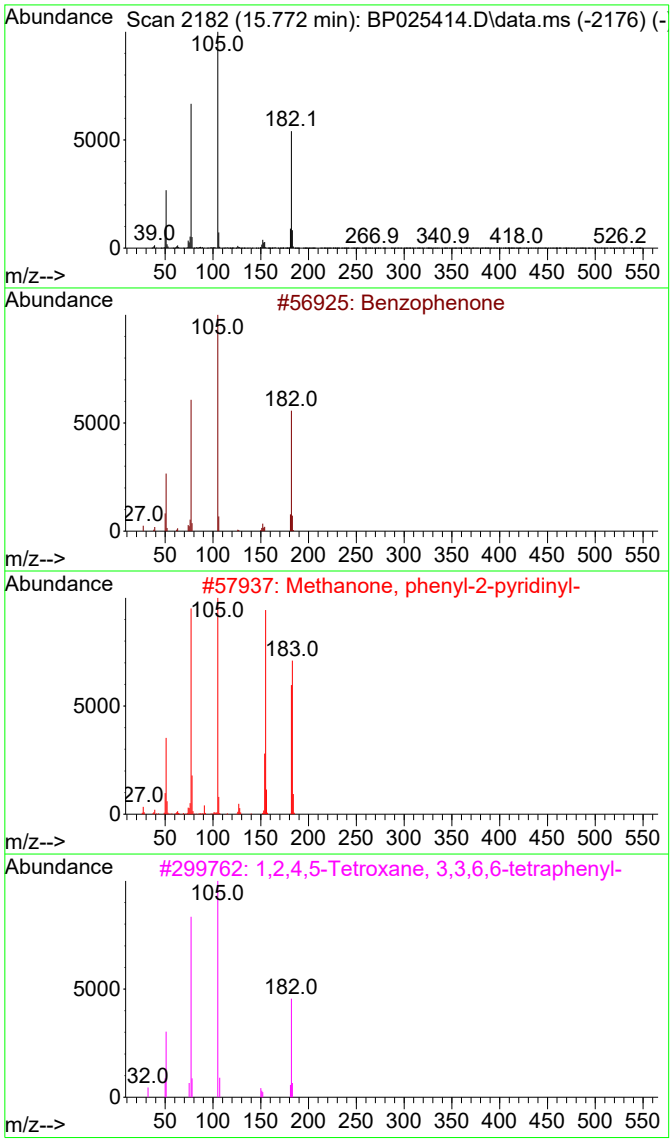
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

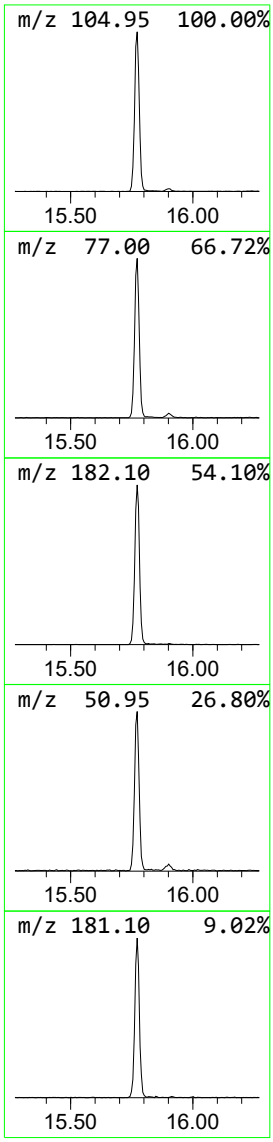
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	6.57 ng	515476	Acenaphthene-d10	14.396

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	72
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Azobenzene	182	C12H10N2	000103-33-3	59
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

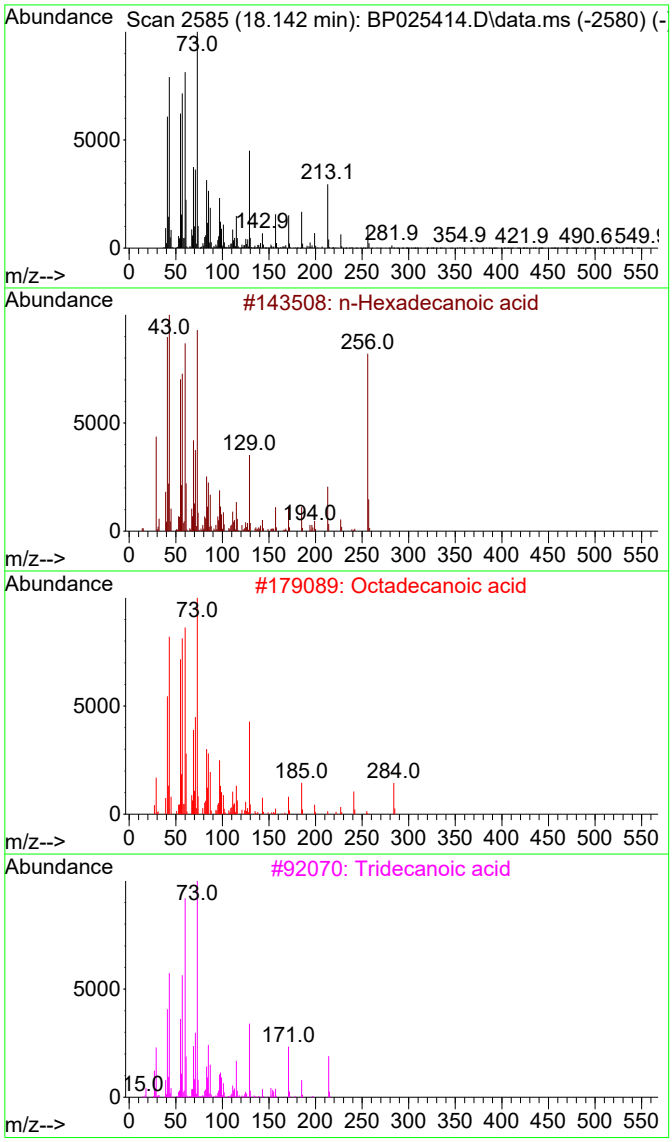
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

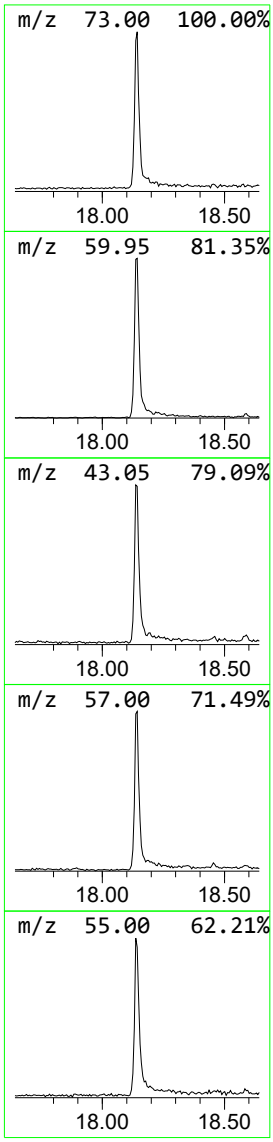
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	4.45 ng	443478	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	74
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

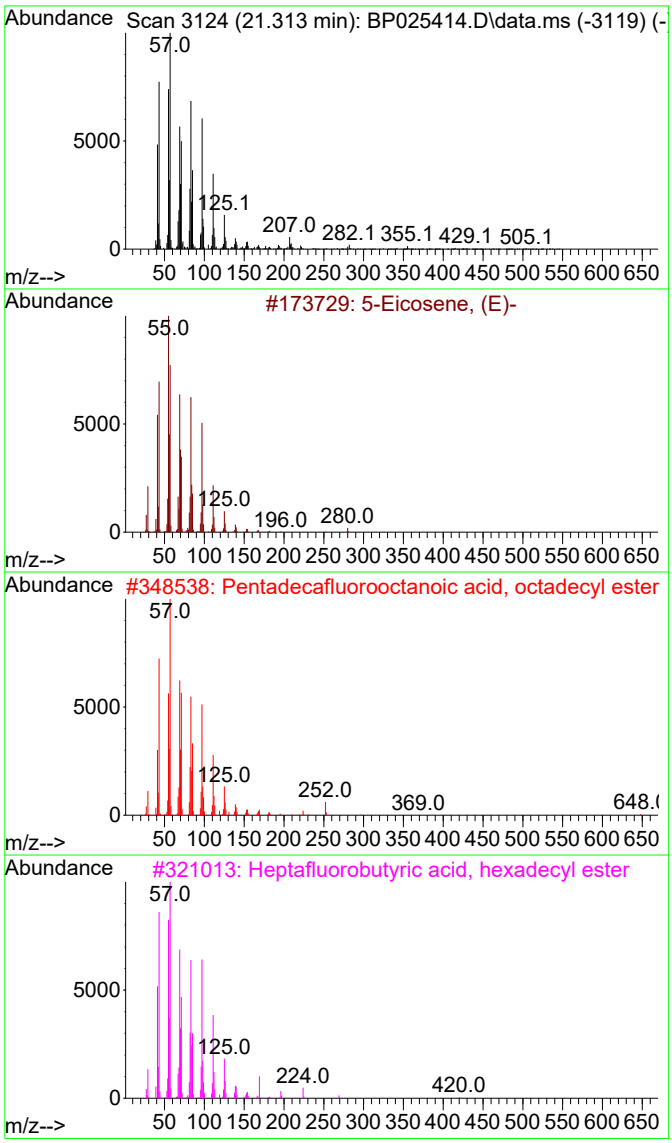
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

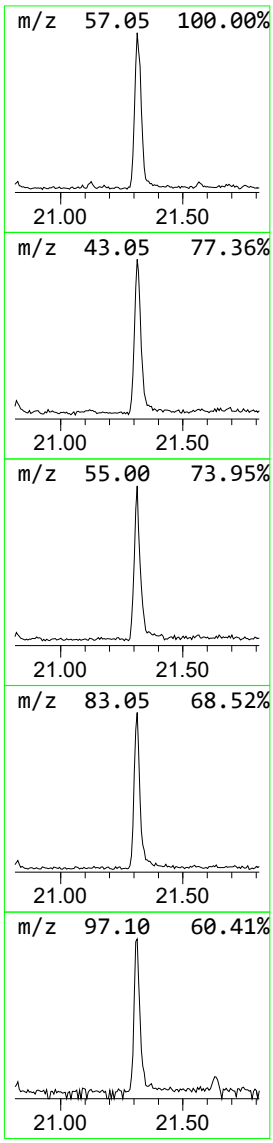
****

Peak Number 6 5-Eicosene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	4.27 ng	521222	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91
4	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
5	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025414.D
Acq On : 15 Aug 2025 05:07
Operator : CG/JU
Sample : Q2820-17
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	34.9	ng	1435750	1	7.790	823660	20.0
2-Pentanone, 4-...	4.949	6.5	ng	267197	1	7.790	823660	20.0
Benzophenone	15.772	6.6	ng	515476	3	14.396	1568800	20.0
n-Hexadecanoic ...	18.142	4.5	ng	443478	4	17.195	1992300	20.0
5-Eicosene, (E)-	21.313	4.3	ng	521222	5	21.636	2439520	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.1	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.2	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.6	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.4	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.1	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.6	U	54.9	92.6	92.6	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.3	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.0	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.6	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.7	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.3	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.6	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.2	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.0	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.7	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.4	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.2	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.6	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.0	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.9	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.3	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.3	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.4	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.5	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.4	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.7	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.6	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.6	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.0	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.5	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.9	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.1	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.7	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.6	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.3	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.7	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.1		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	47.8	*	54 - 127		48%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145000	7.79				
1146-65-2	Naphthalene-d8	575000	10.555				
15067-26-2	Acenaphthene-d10	395000	14.396				
1517-22-2	Phenanthrene-d10	835000	17.201				
1719-03-5	Chrysene-d12	934000	21.636				
1520-96-3	Perylene-d12	1040000	25.001				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB			4.95	ug/Kg
000119-61-9	Benzophenone	270	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J			18.1	ug/Kg
1000406-04-6	Pentadecafluorooctanoic acid, hexa	150	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Time: Aug 15 08:11:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

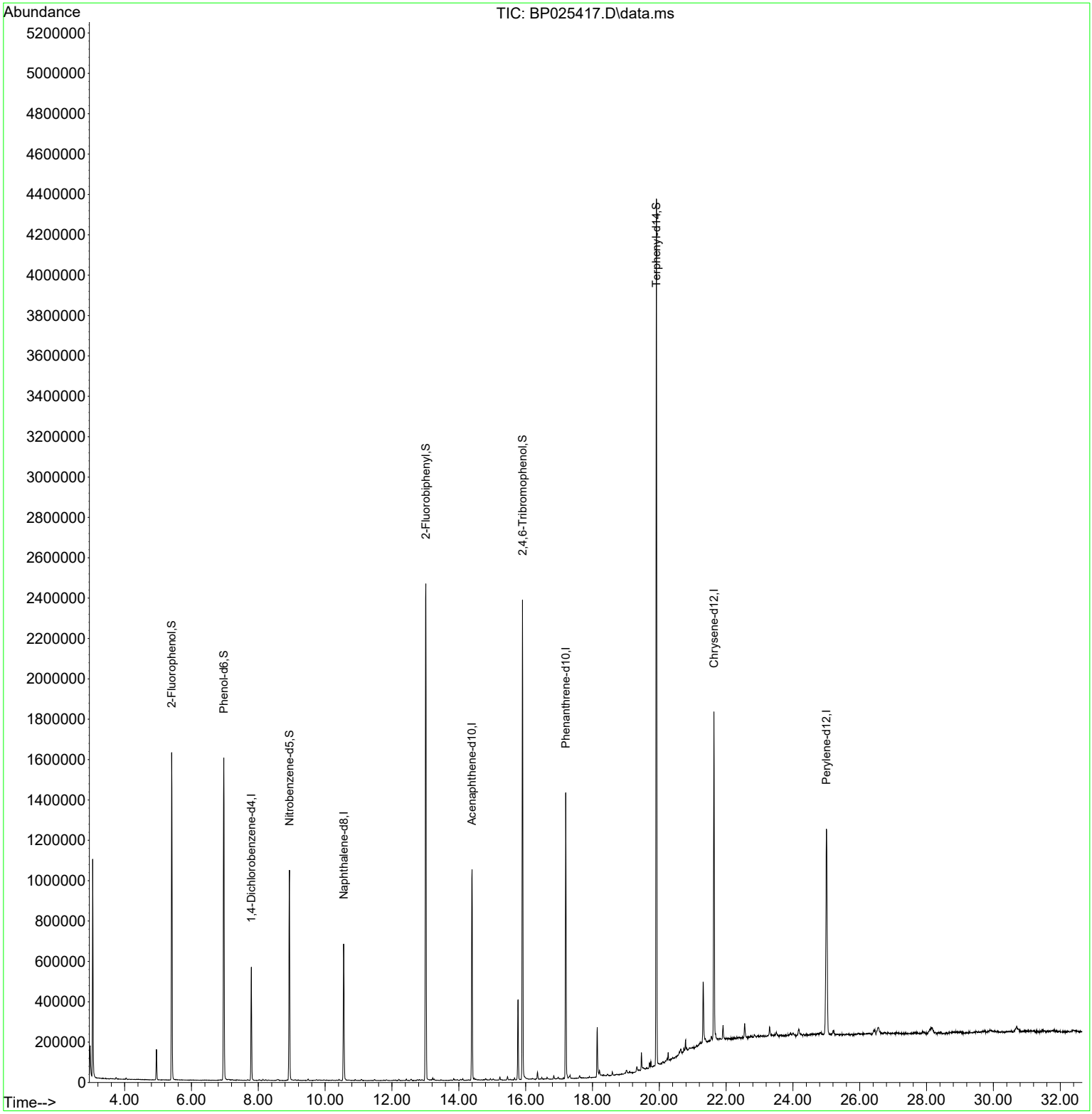
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	145484	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	574927	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	395366	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	834728	20.000	ng	0.00
76) Chrysene-d12	21.636	240	934352	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1037254	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	710279	81.078	ng	0.00
7) Phenol-d6	6.967	99	921738	82.067	ng	0.00
23) Nitrobenzene-d5	8.931	82	589747	51.889	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	466885	87.733	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1401970	48.463	ng	0.00
79) Terphenyl-d14	19.913	244	2440276	47.783	ng	0.00
Target Compounds						Qvalue

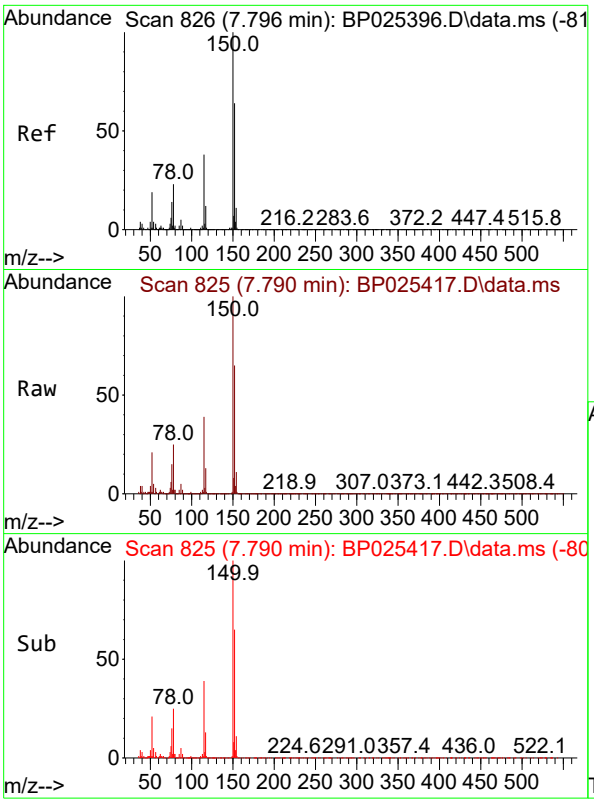
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Time: Aug 15 08:11:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



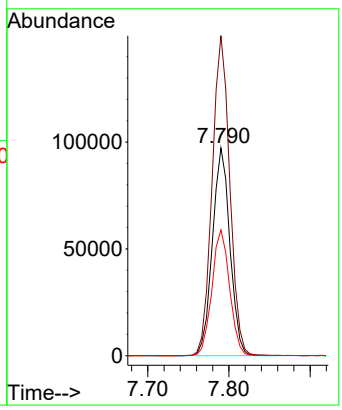


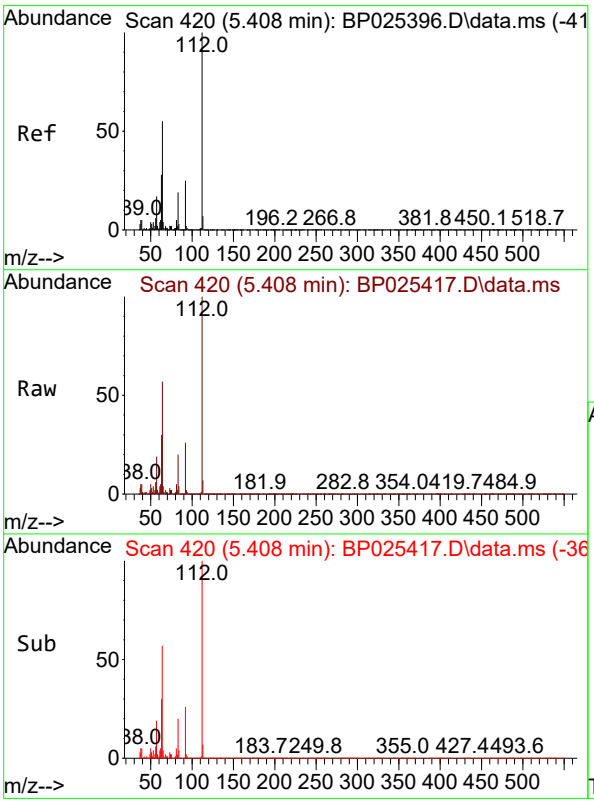
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion:152 Resp: 145484

Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.9	188.9
115	60.5	48.5	72.7

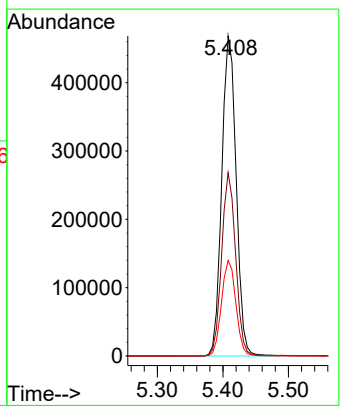


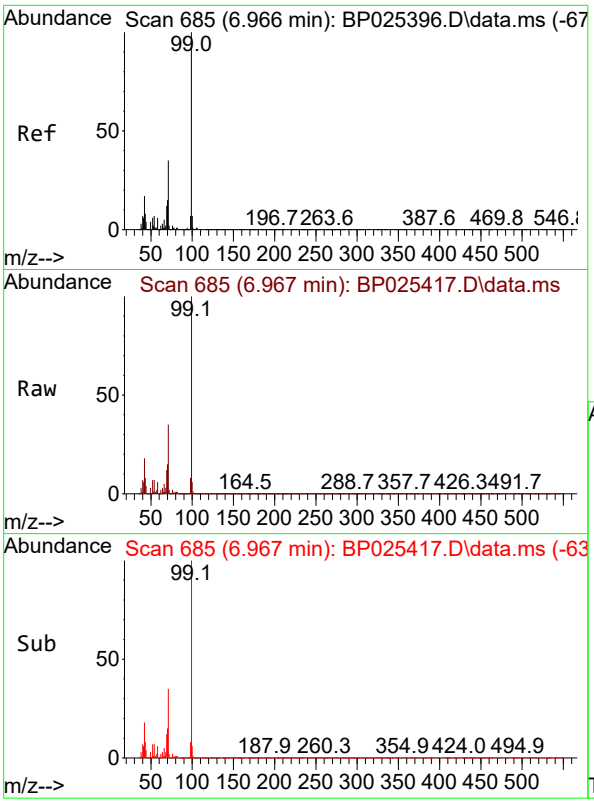


#5
2-Fluorophenol
Concen: 81.078 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:112 Resp: 710279

Ion	Ratio	Lower	Upper
112	100		
64	57.3	43.8	65.8
63	29.9	22.7	34.1



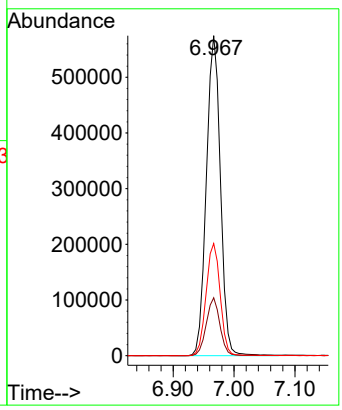


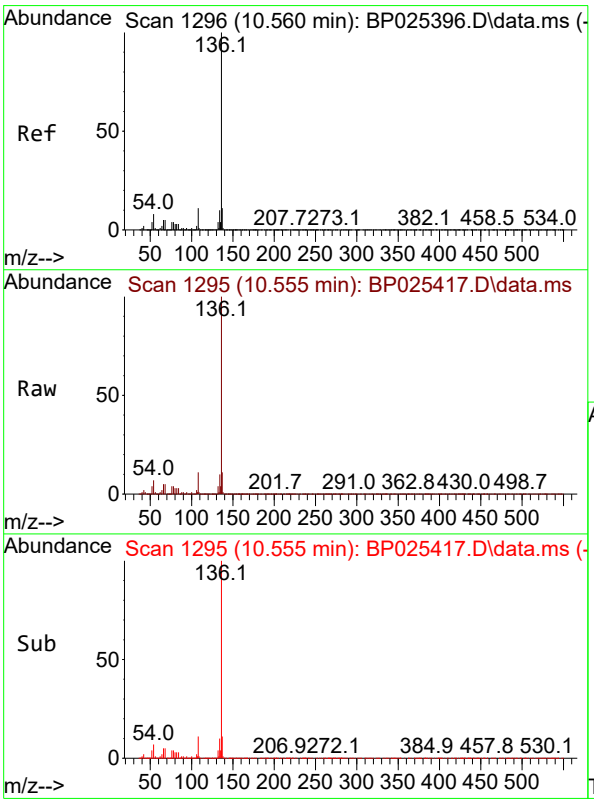
#7
Phenol-d6
Concen: 82.067 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion: 99 Resp: 921738

Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.7	20.5
71	35.1	28.2	42.4

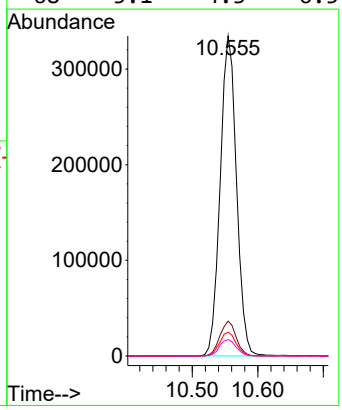


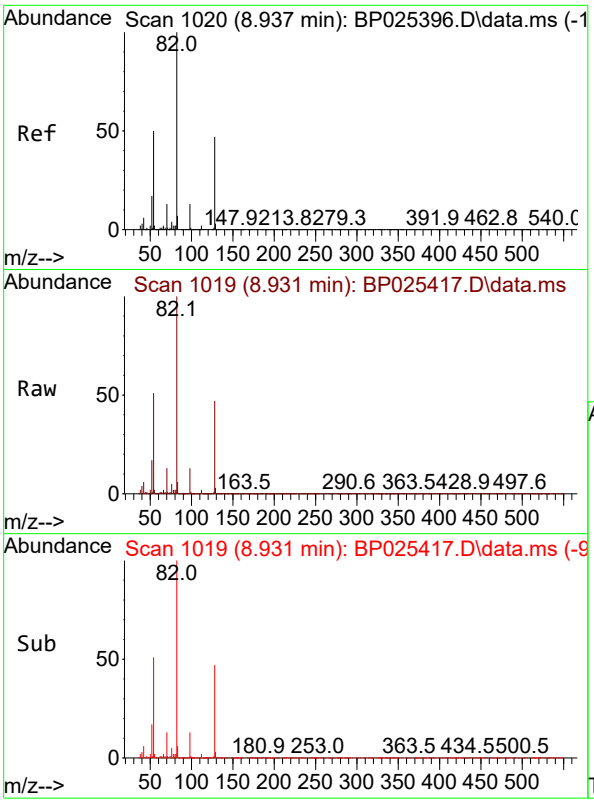


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:136 Resp: 574927

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5



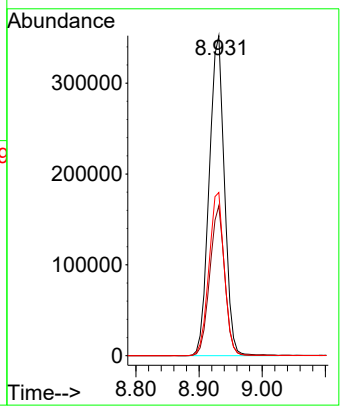


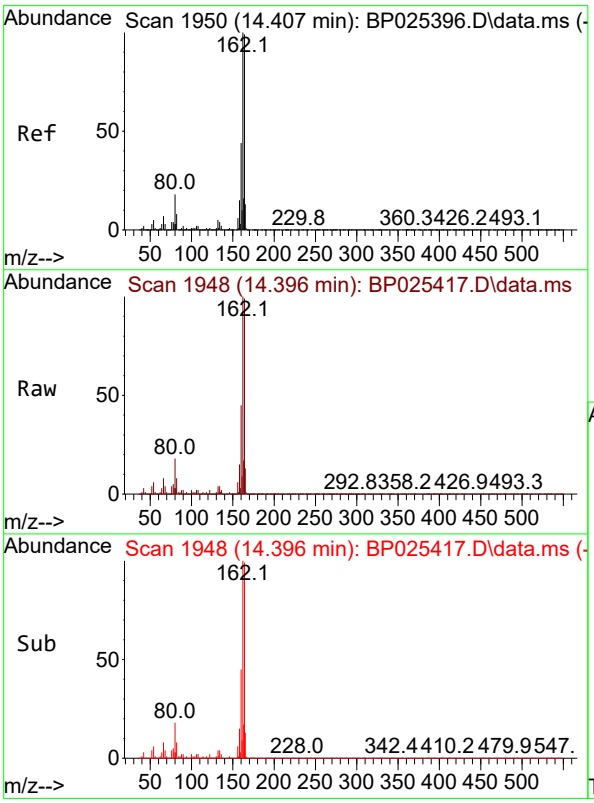
#23
Nitrobenzene-d5
Concen: 51.889 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion: 82 Resp: 589747

Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.7	56.5
54	51.0	39.8	59.6

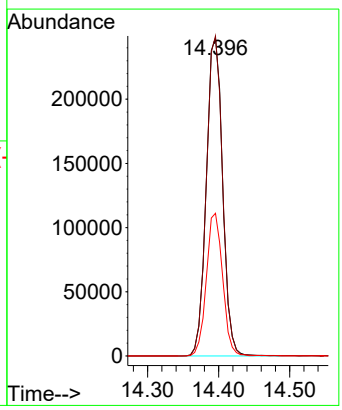


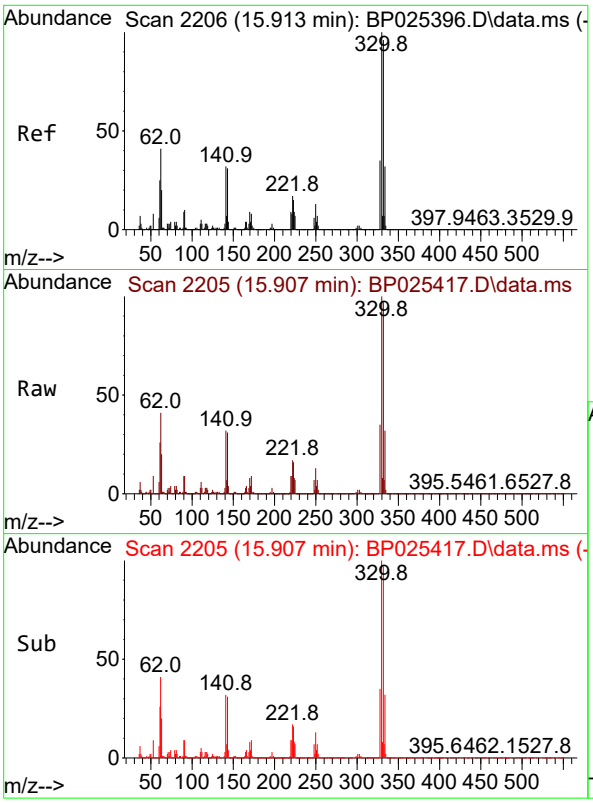


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:164 Resp: 395366

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.0	121.6
160	44.9	35.4	53.2



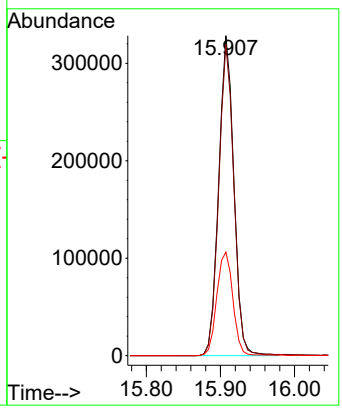


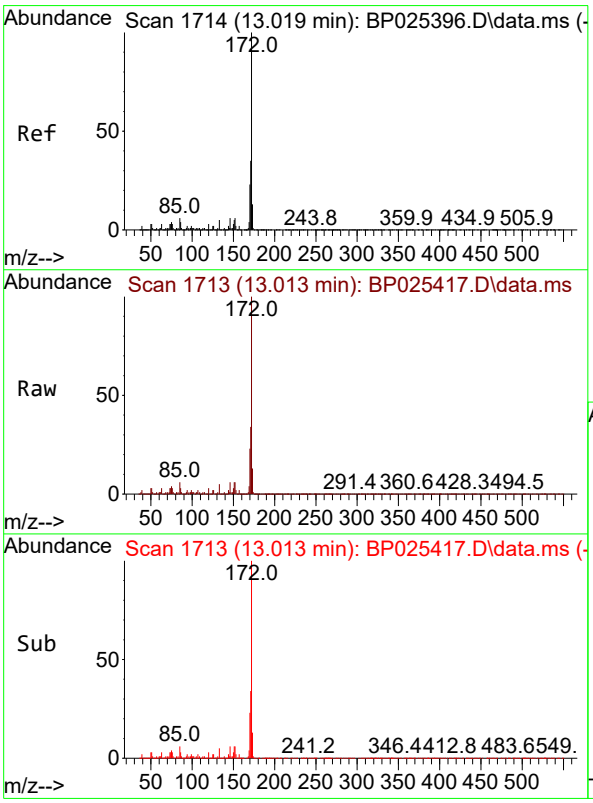
#42
2,4,6-Tribromophenol
Concen: 87.733 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion:330 Resp: 466885

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	34.5	26.6	39.8

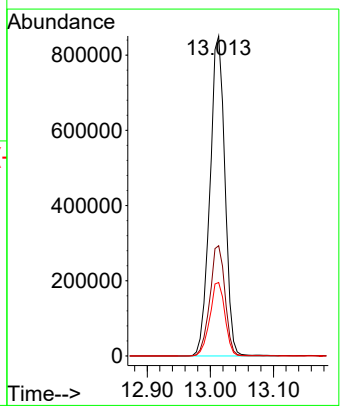


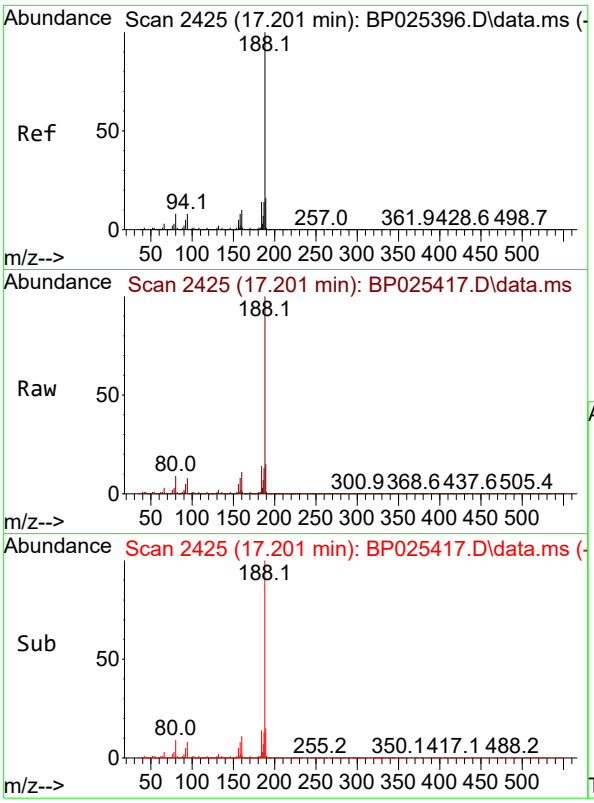


#45
2-Fluorobiphenyl
Concen: 48.463 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:172 Resp: 1401970

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.0	18.6	28.0



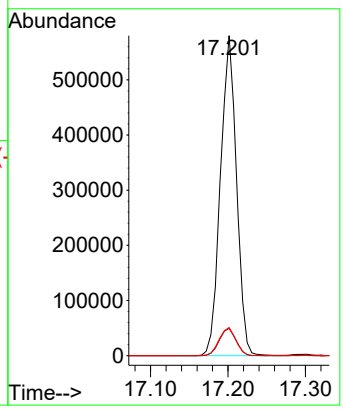


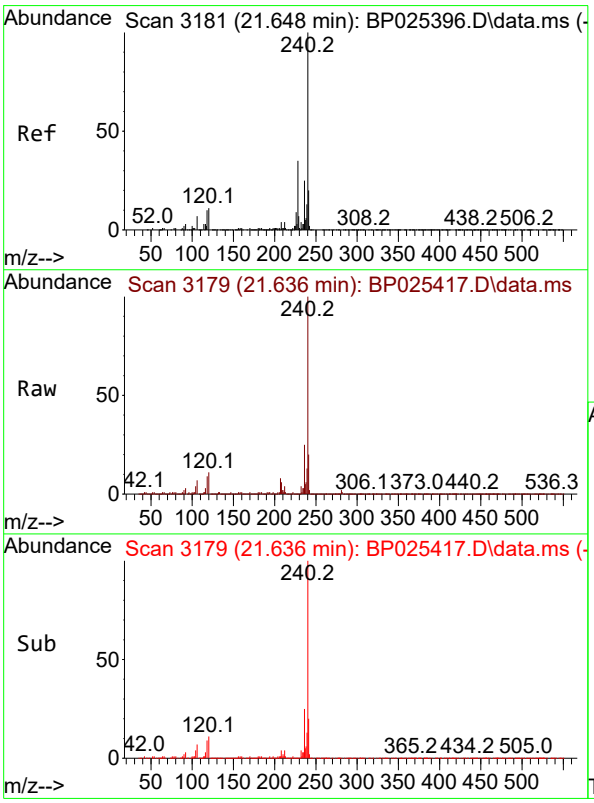
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion:188 Resp: 834728

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.8	6.7	10.1

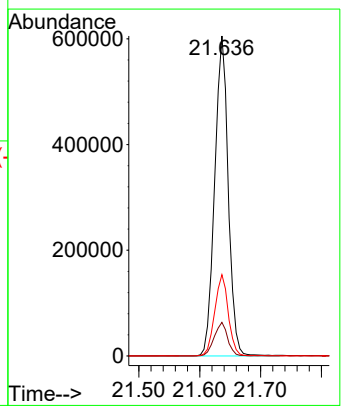


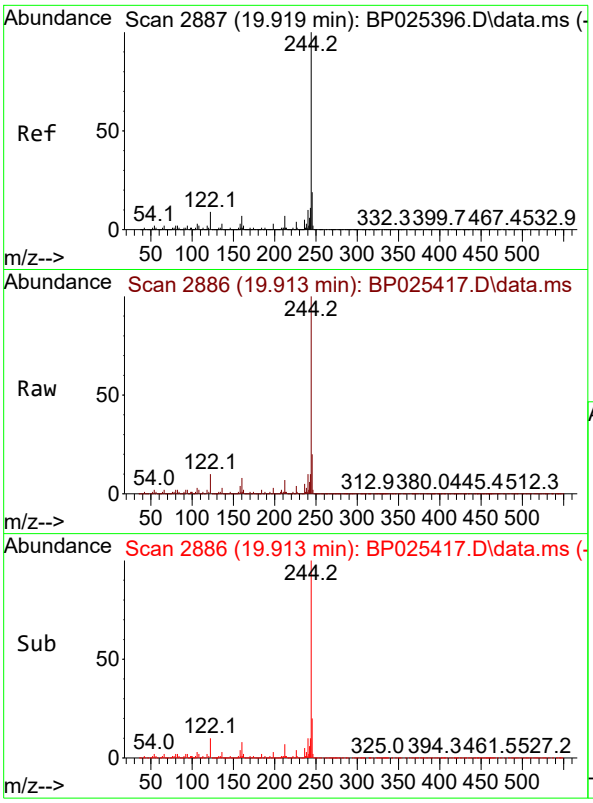


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:240 Resp: 934352

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.4	19.8	29.8



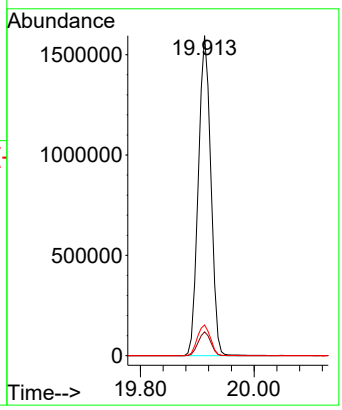


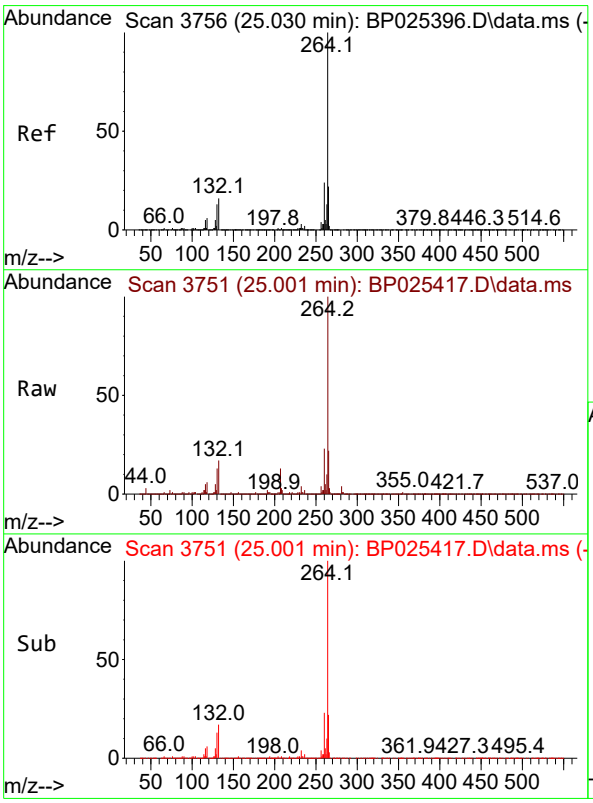
#79
Terphenyl-d14
Concen: 47.783 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Instrument :
BNA_P
ClientSampleId :
88H-N

Tgt Ion:244 Resp: 2440276

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.6	7.4	11.2

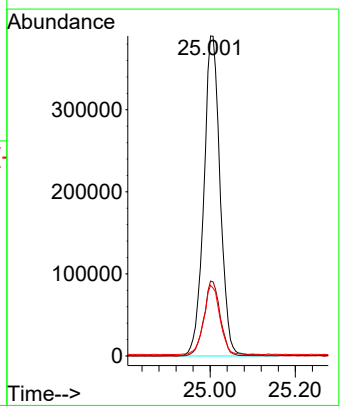




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025417.D
Acq: 15 Aug 2025 07:10

Tgt Ion:264 Resp: 1037254

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.1	17.4	26.0



Sample Results: **BP025417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025417.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB	150010	208715	3.16%	0.588%
2	3.043	13	18	37	rVB	1084361	1404412	21.29%	3.956%
3	4.949	336	342	350	rBV	151066	217799	3.30%	0.614%
4	5.408	413	420	433	rBV	1622818	2435369	36.92%	6.860%
5	6.967	673	685	696	rBV	1597492	2589498	39.26%	7.294%
6	7.790	818	825	839	rVB	561222	853051	12.93%	2.403%
7	8.931	1010	1019	1029	rBV	1041190	1749361	26.52%	4.928%
8	10.555	1287	1295	1308	rBV	678161	1183834	17.95%	3.335%
9	13.013	1704	1713	1725	rBV	2461224	4080863	61.87%	11.495%
10	14.396	1939	1948	1956	rBV	1043812	1672610	25.36%	4.712%
11	15.772	2173	2182	2190	rBV	397287	592002	8.97%	1.668%
12	15.907	2198	2205	2215	rBV	2375867	3531467	53.54%	9.948%
13	17.201	2417	2425	2431	rBV	1418214	2094224	31.75%	5.899%
14	18.142	2579	2585	2593	rBV	247327	397797	6.03%	1.121%
15	19.466	2806	2810	2818	rBV2	85502	120215	1.82%	0.339%
16	19.913	2880	2886	2894	rBV	4291462	6596260	100.00%	18.581%
17	21.313	3120	3124	3133	rBV2	287348	478033	7.25%	1.347%
18	21.636	3173	3179	3185	rBV	1610990	2482625	37.64%	6.993%
19	22.554	3332	3335	3343	rVB2	67838	113175	1.72%	0.319%
20	25.001	3743	3751	3766	rVB	1018929	2699033	40.92%	7.603%

Sum of corrected areas: 35500343

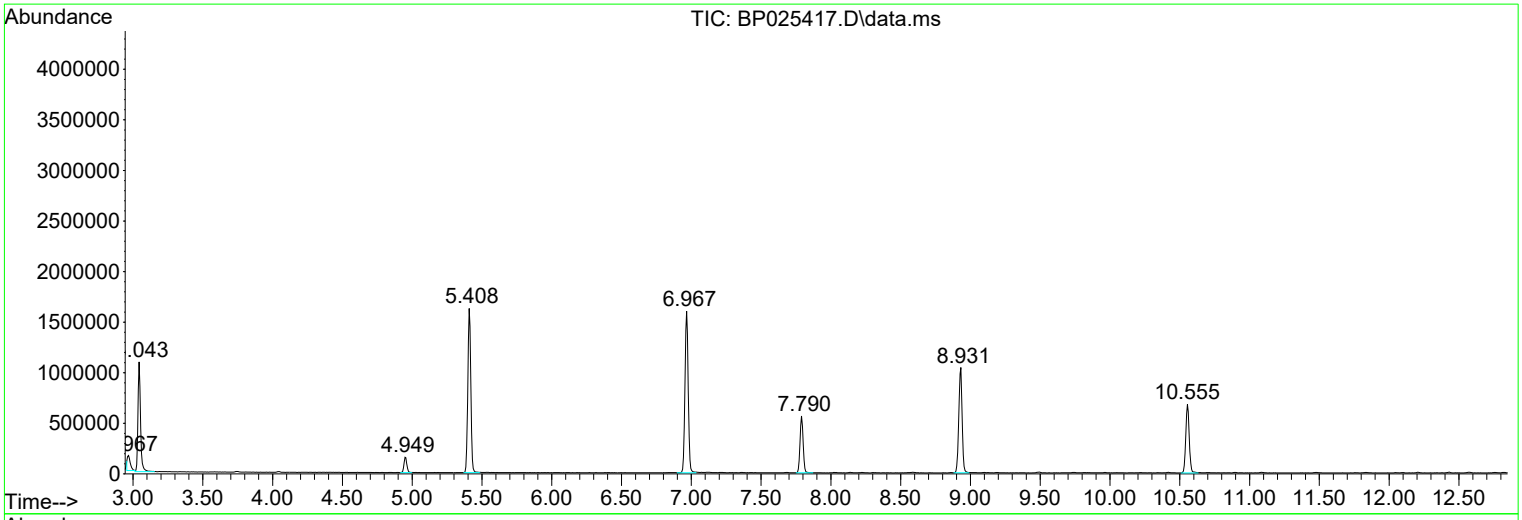
Sample Results: **BP025417.D**

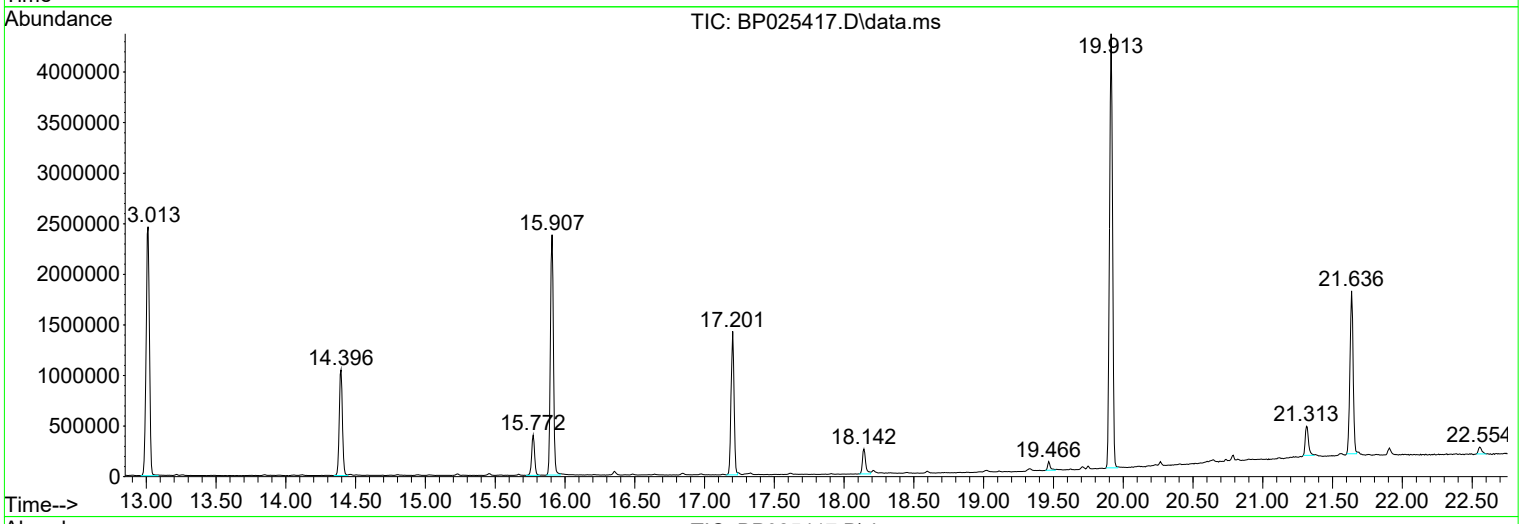
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

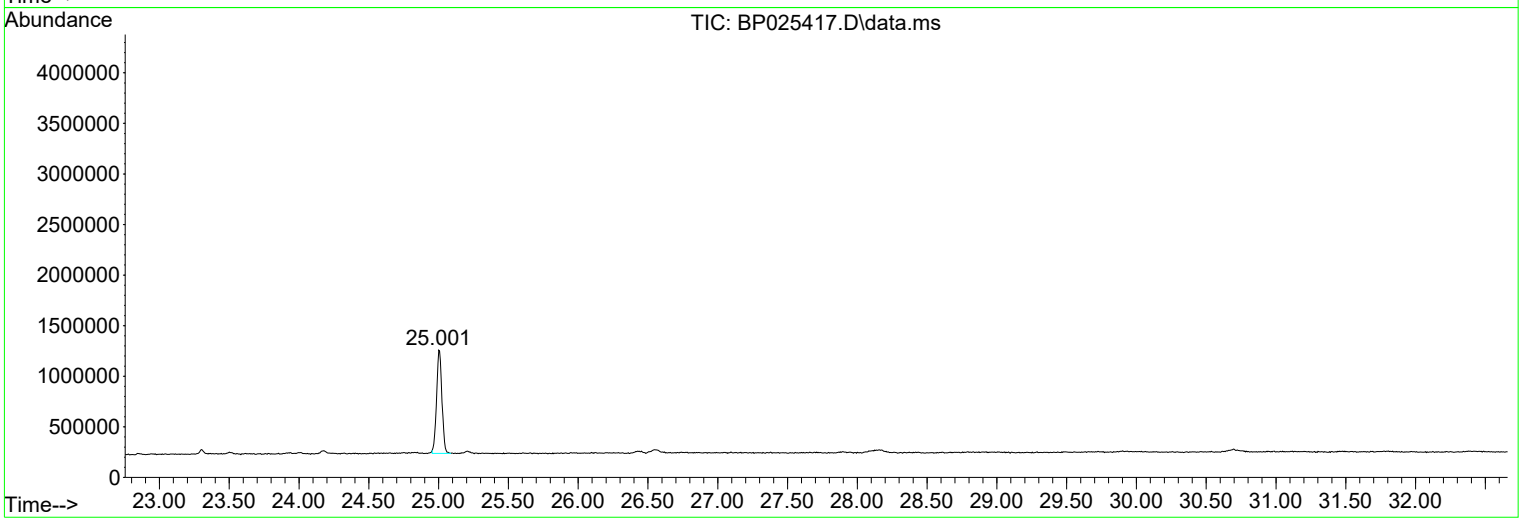
Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

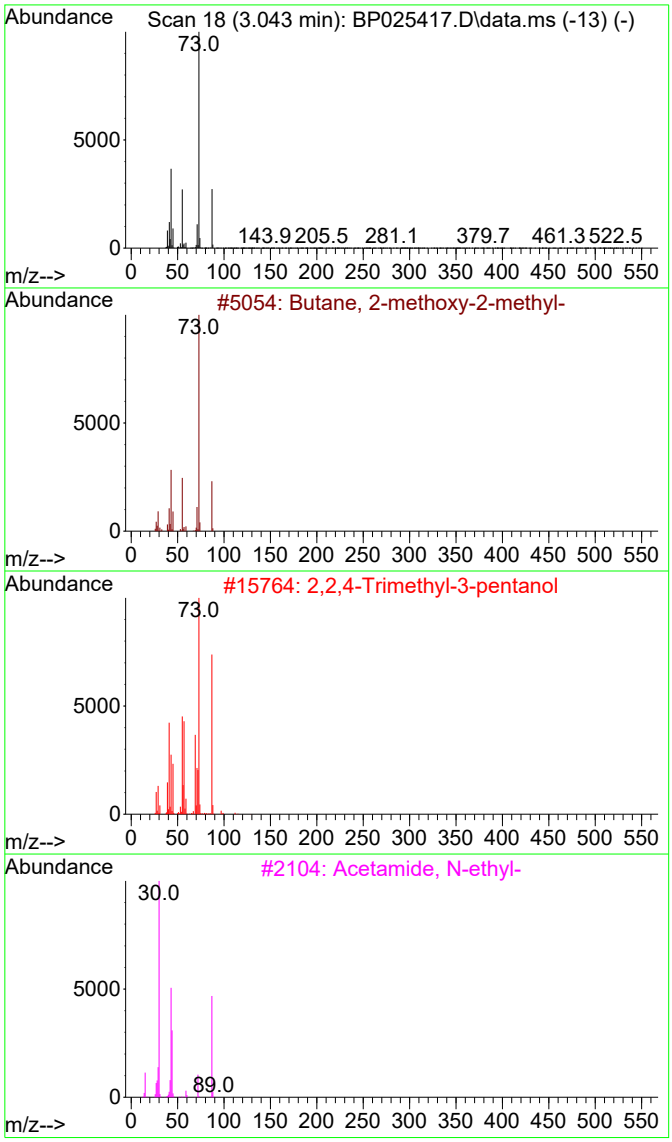
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

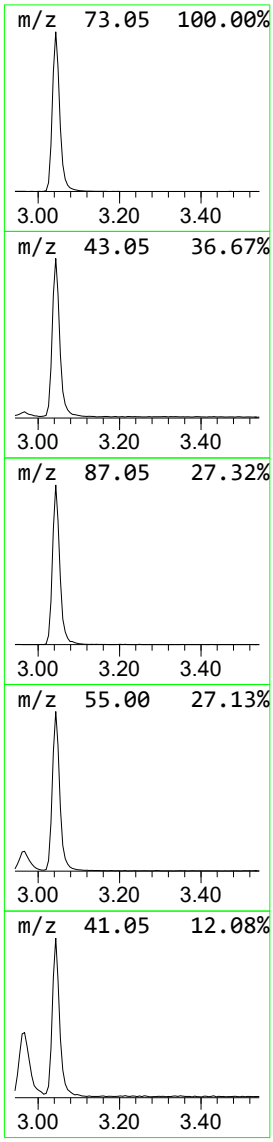
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	32.93 ng	1404410	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

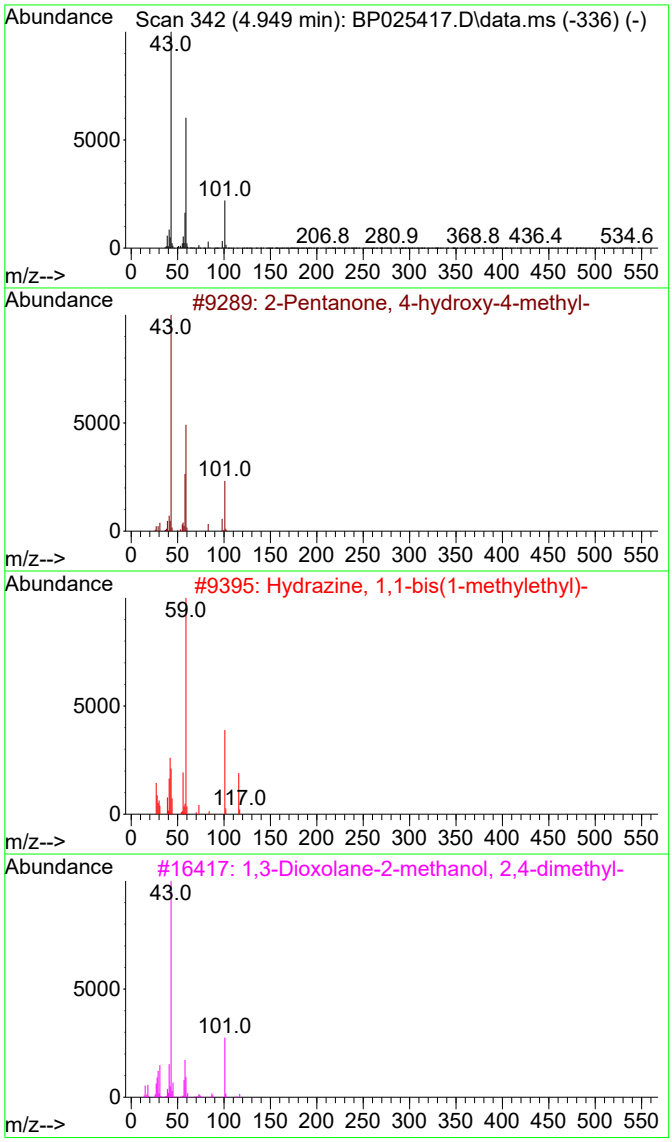
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

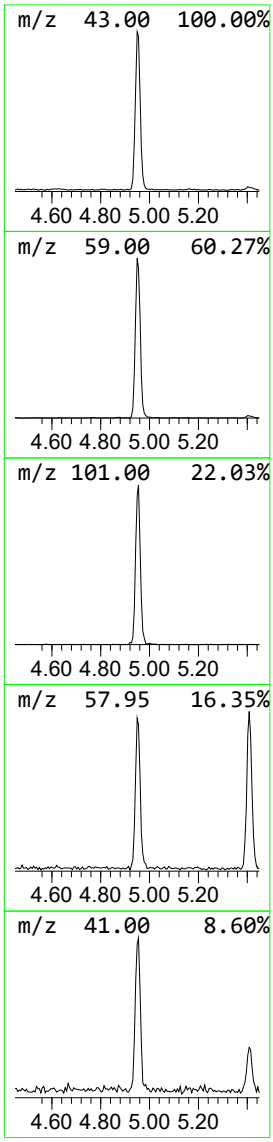
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	5.11 ng	217799	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	28
4	Tetraglyme	222	C10H22O5	000143-24-8	25
5	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

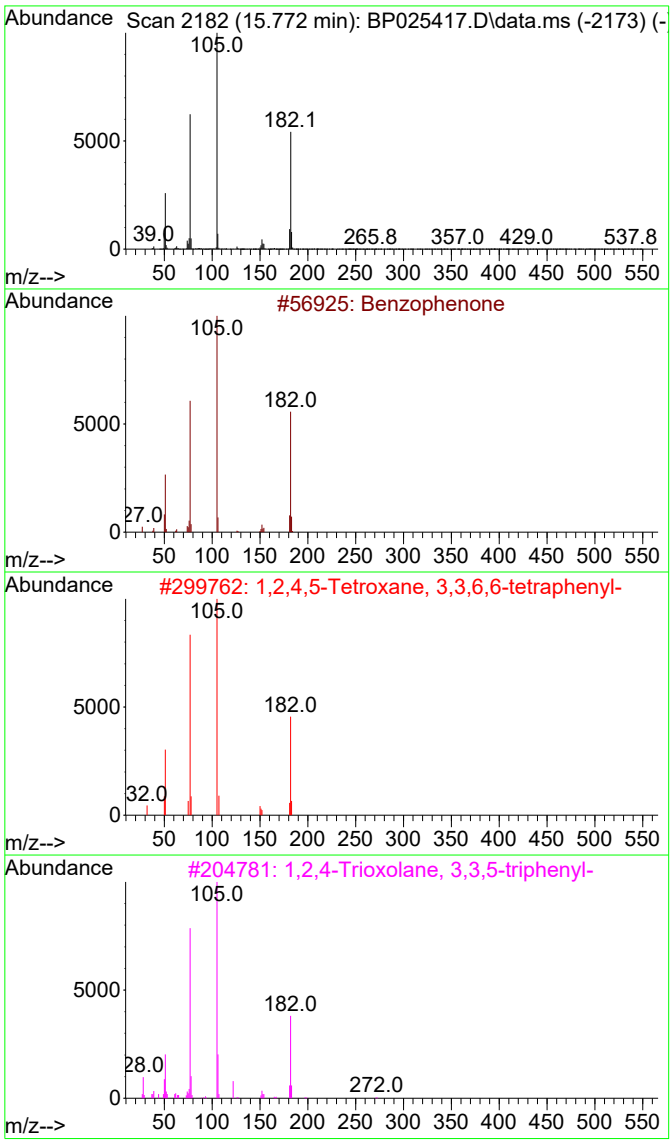
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

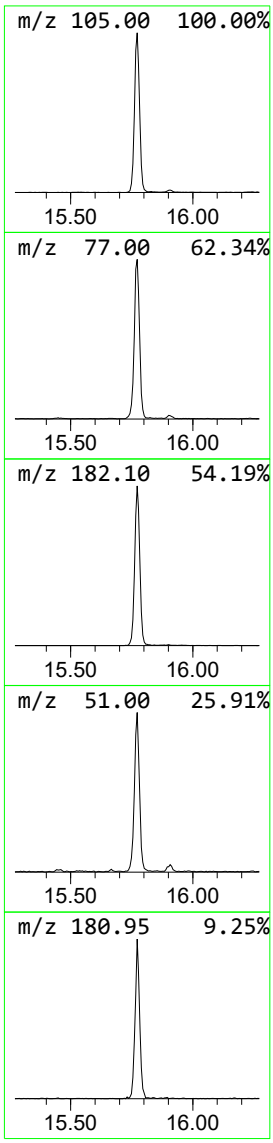
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.08 ng	592002	Acenaphthene-d10	14.396

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
4	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	42
5	Azobenzene	182	C12H10N2	000103-33-3	40





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On    : 15 Aug 2025  07:10
Operator  : CG/JU
Sample    : Q2820-18
Misc      :
ALS Vial  : 27   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

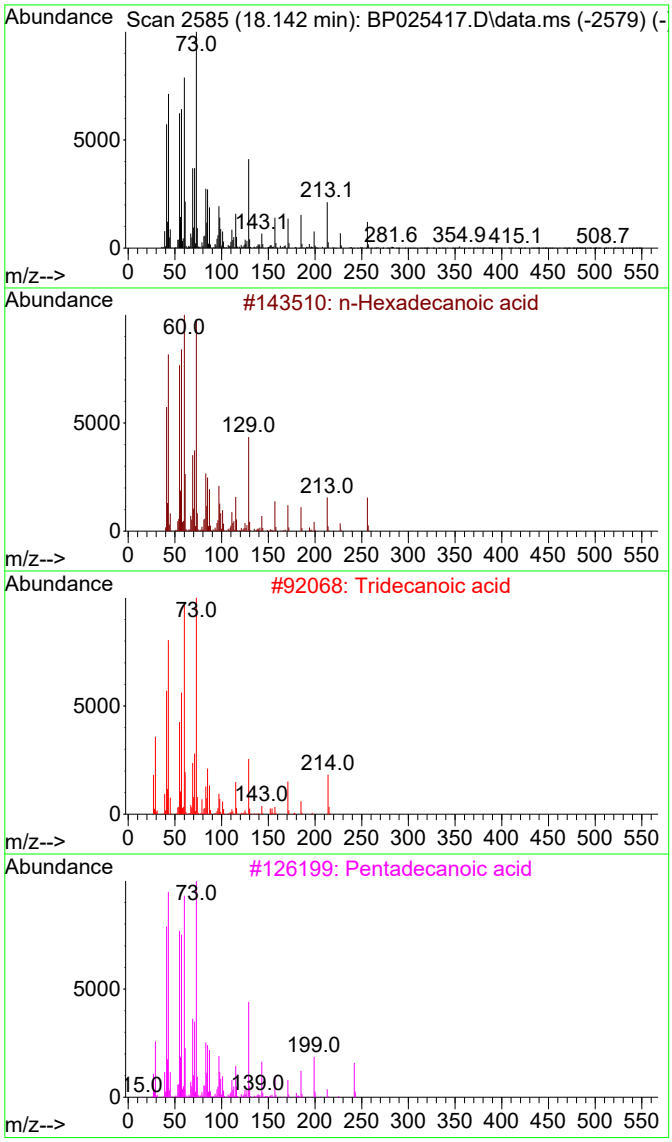
Instrument :
BNA_P
ClientSampleId :
88H-N

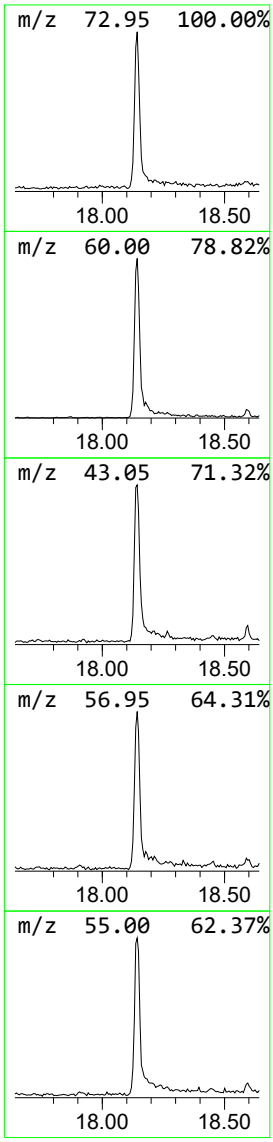
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	3.80 ng	397797	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	81
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

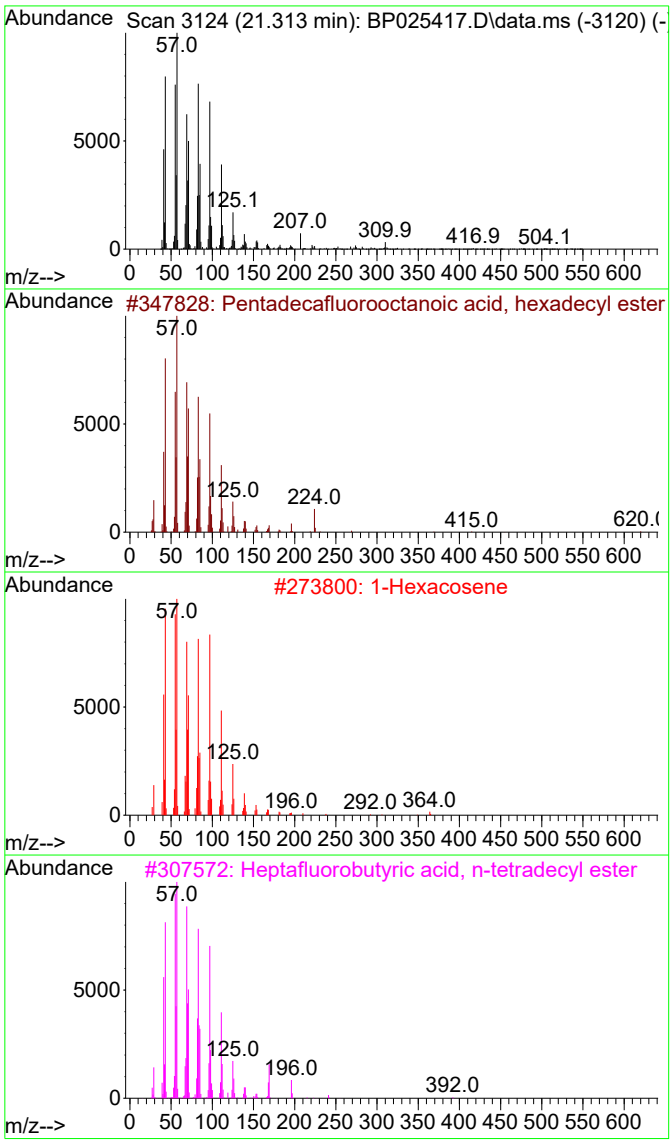
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

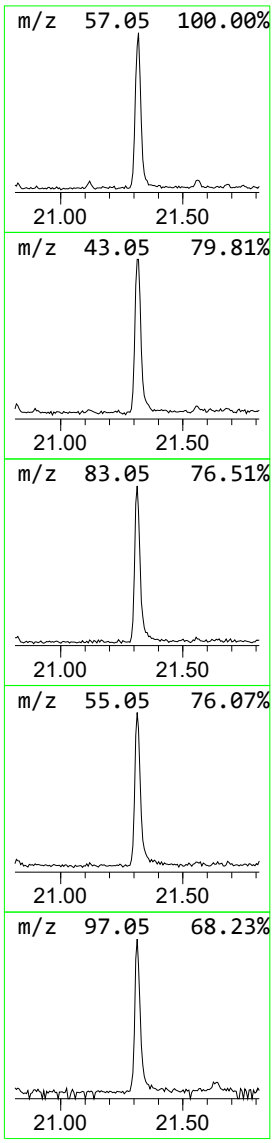
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.313	3.85 ng	478033	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, he...	638	C24H33F15O2	1000406-04-6	94
2	1-Hexacosene	364	C26H52	018835-33-1	93
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
4	1-Octadecene	252	C18H36	000112-88-9	91
5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025417.D
Acq On : 15 Aug 2025 07:10
Operator : CG/JU
Sample : Q2820-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	32.9	ng	1404410	1	7.790	853051	20.0
2-Pentanone, 4-...	4.949	5.1	ng	217799	1	7.790	853051	20.0
Benzophenone	15.772	7.1	ng	592002	3	14.396	1672610	20.0
n-Hexadecanoic ...	18.142	3.8	ng	397797	4	17.201	2094220	20.0
Pentadecafluoro...	21.313	3.9	ng	478033	5	21.636	2482630	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	75.7		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.5		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147000	7.79				
1146-65-2	Naphthalene-d8	584000	10.56				
15067-26-2	Acenaphthene-d10	401000	14.395				
1517-22-2	Phenanthrene-d10	830000	17.189				
1719-03-5	Chrysene-d12	924000	21.636				
1520-96-3	Perylene-d12	1030000	24.989				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	990	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB			4.95	ug/Kg
000119-61-9	Benzophenone	210	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J			18.1	ug/Kg
010192-32-2	1-Tetracosene	140	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Time: Aug 15 08:39:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

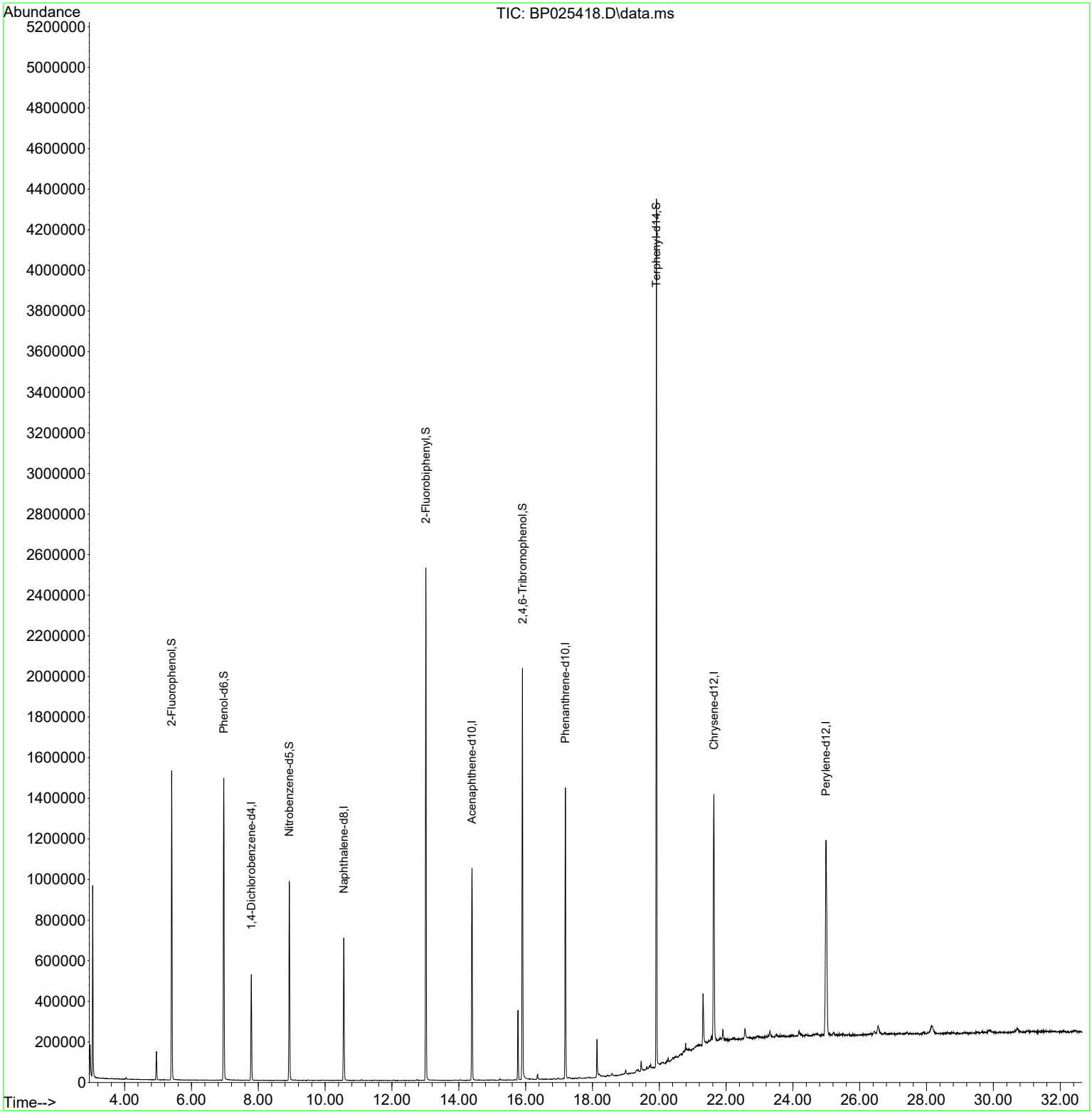
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	146540	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	583526	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	400529	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	830081	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	923699	20.000	ng	-0.01
86) Perylene-d12	24.989	264	1026007	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	654709	74.196	ng	0.00
7) Phenol-d6	6.966	99	856333	75.694	ng	0.00
23) Nitrobenzene-d5	8.925	82	547981	47.504	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	398621	73.940	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1207991	41.219	ng	0.00
79) Terphenyl-d14	19.913	244	2080616	41.211	ng	0.00
Target Compounds						Qvalue

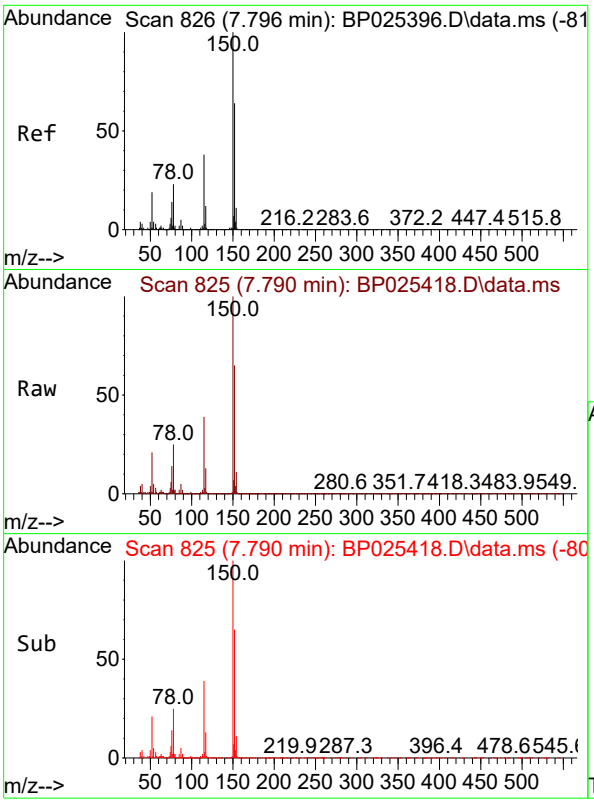
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Time: Aug 15 08:39:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



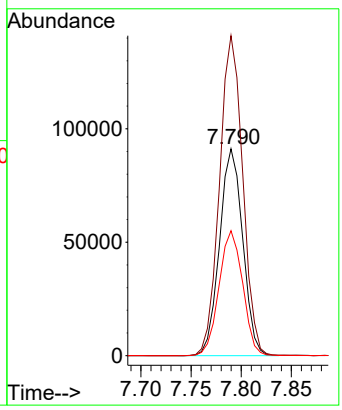


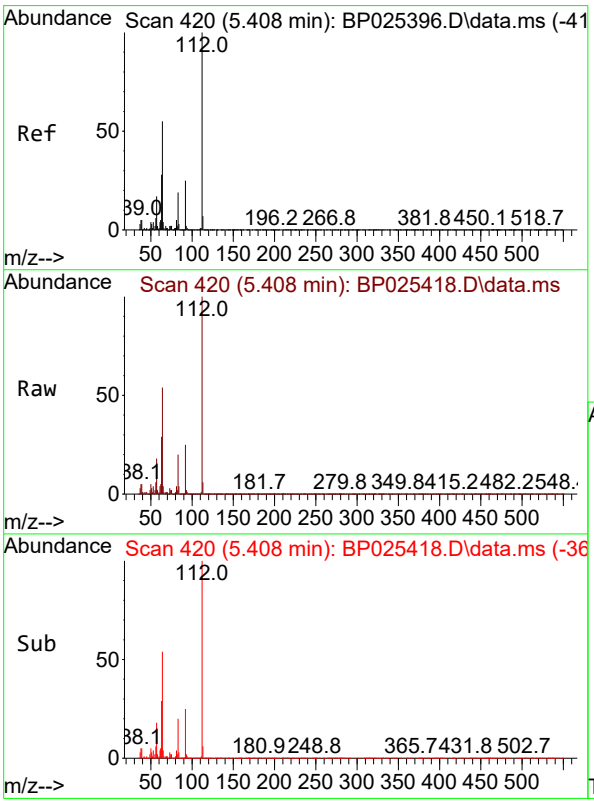
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion:152 Resp: 146540

Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.9	188.9
115	60.4	48.5	72.7

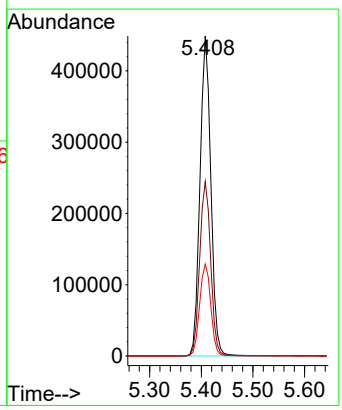


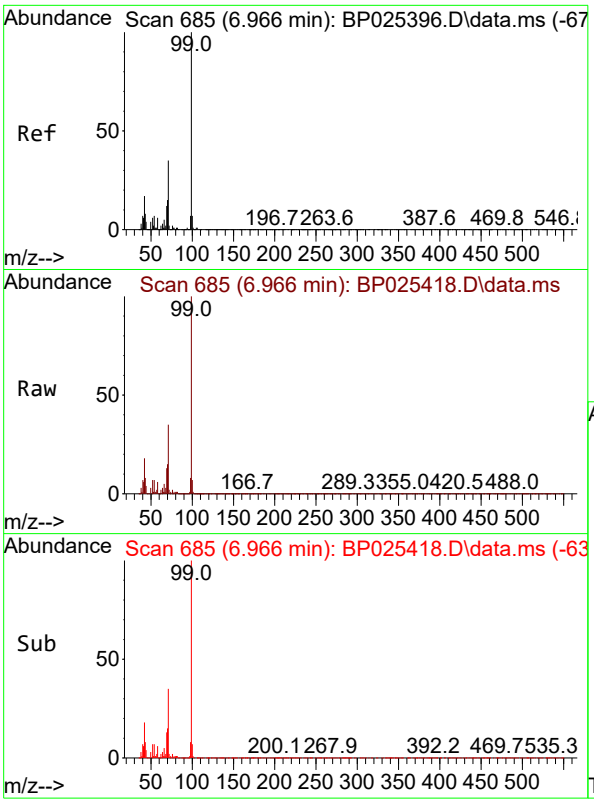


#5
2-Fluorophenol
Concen: 74.196 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:112 Resp: 654709

Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.8	65.8
63	28.7	22.7	34.1



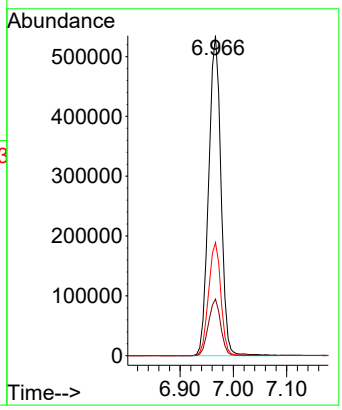


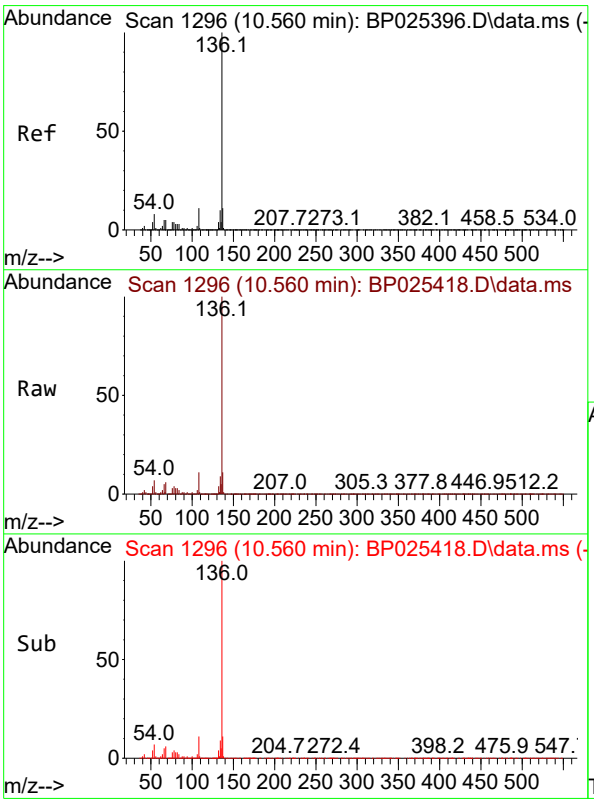
#7
Phenol-d6
Concen: 75.694 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion: 99 Resp: 856333

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.3	28.2	42.4

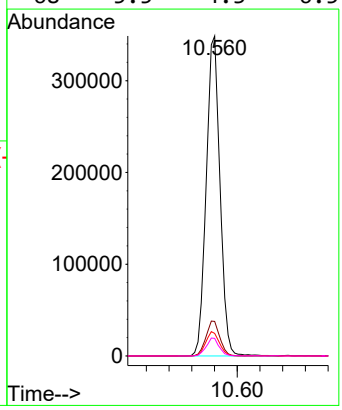


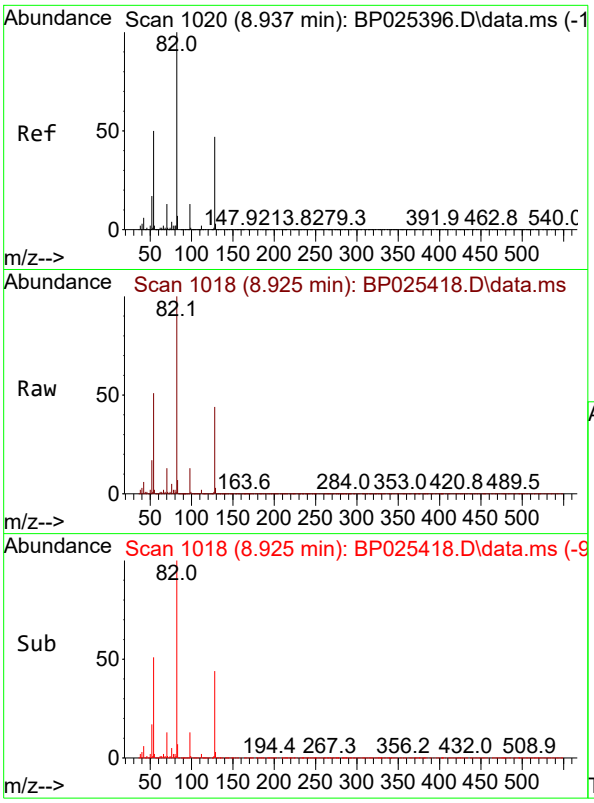


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:136 Resp: 583526

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.0	6.0	9.0
68	5.5	4.3	6.5



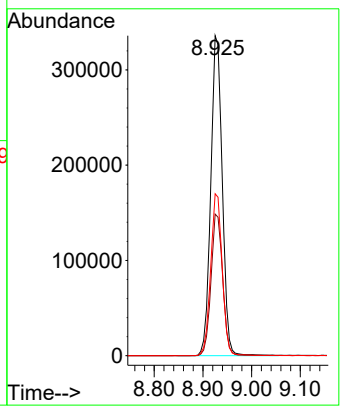


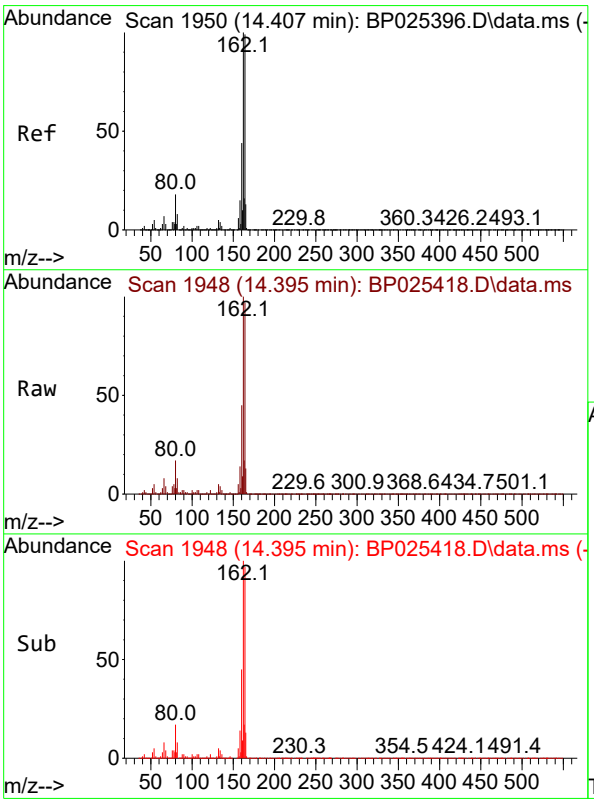
#23
Nitrobenzene-d5
Concen: 47.504 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion: 82 Resp: 547981

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	50.6	39.8	59.6

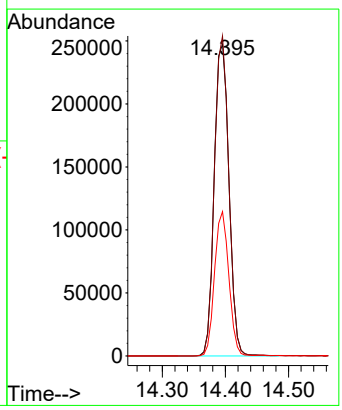


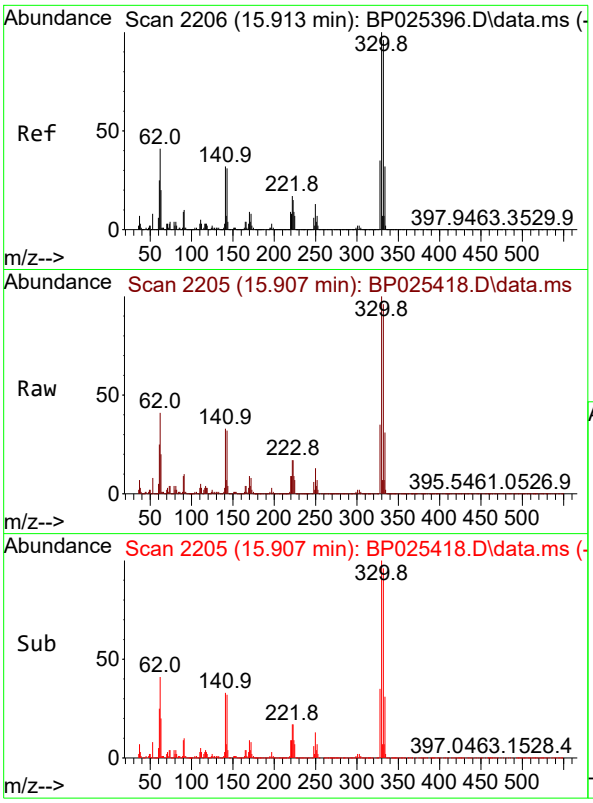


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:164 Resp: 400529

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.0	121.6
160	46.3	35.4	53.2



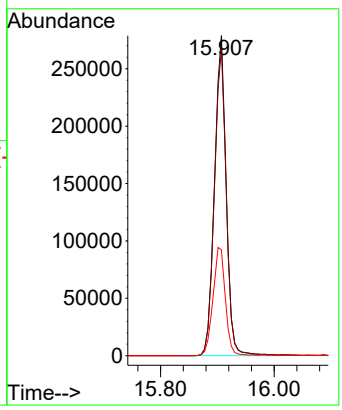


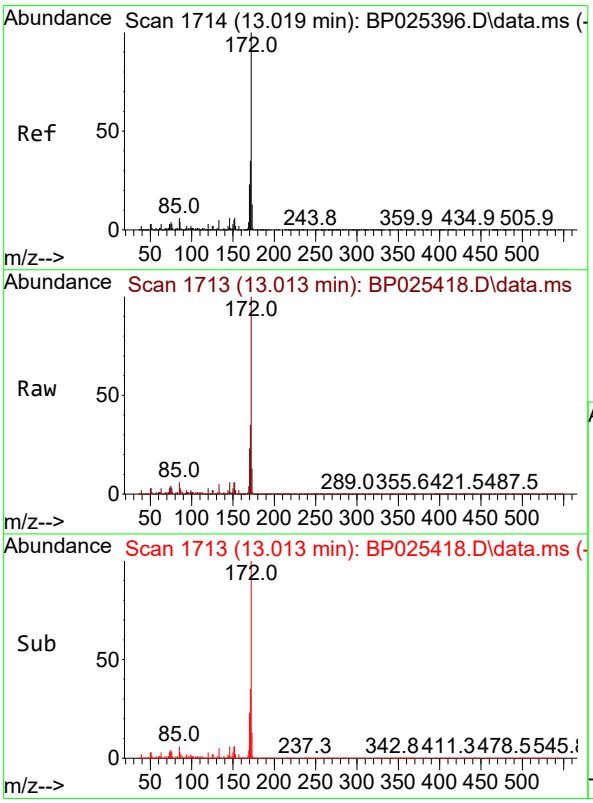
#42
2,4,6-Tribromophenol
Concen: 73.940 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion:330 Resp: 398621

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	36.0	26.6	39.8

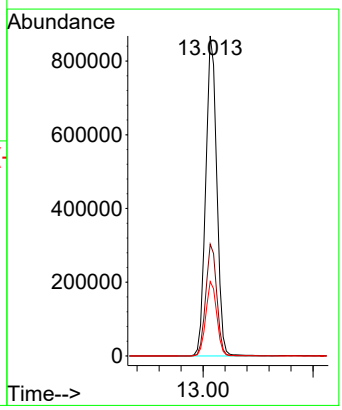


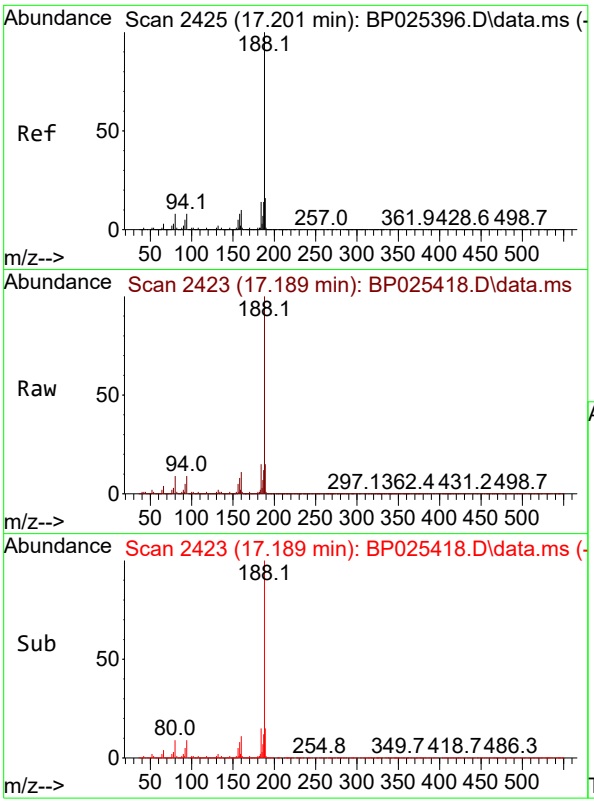


#45
2-Fluorobiphenyl
Concen: 41.219 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:172 Resp: 1207991

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.3	18.6	28.0



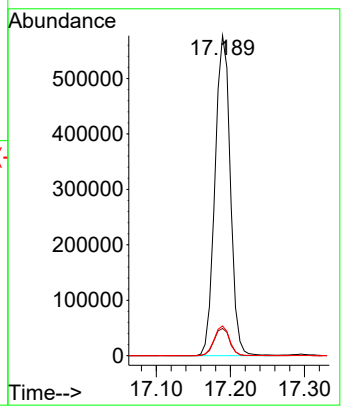


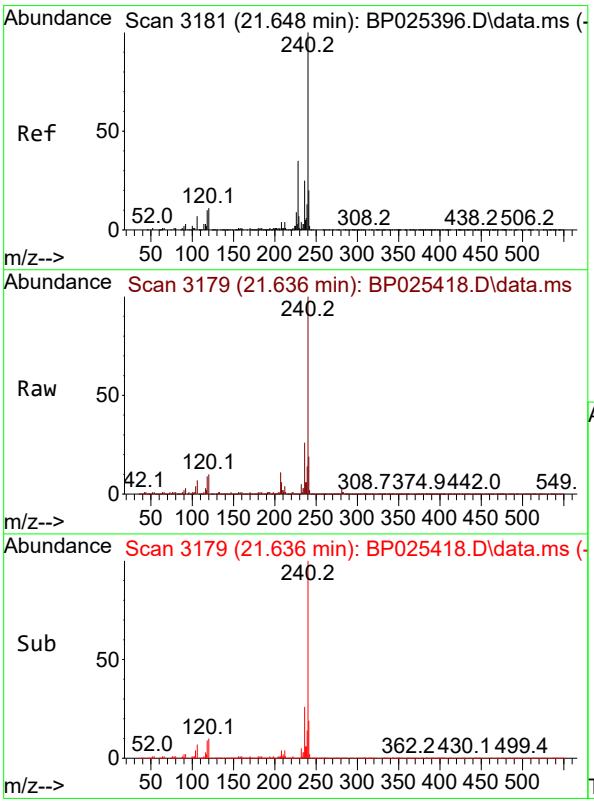
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion:188 Resp: 830081

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1

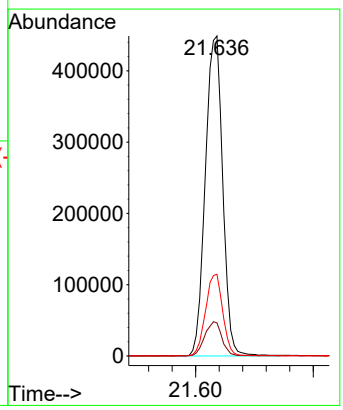


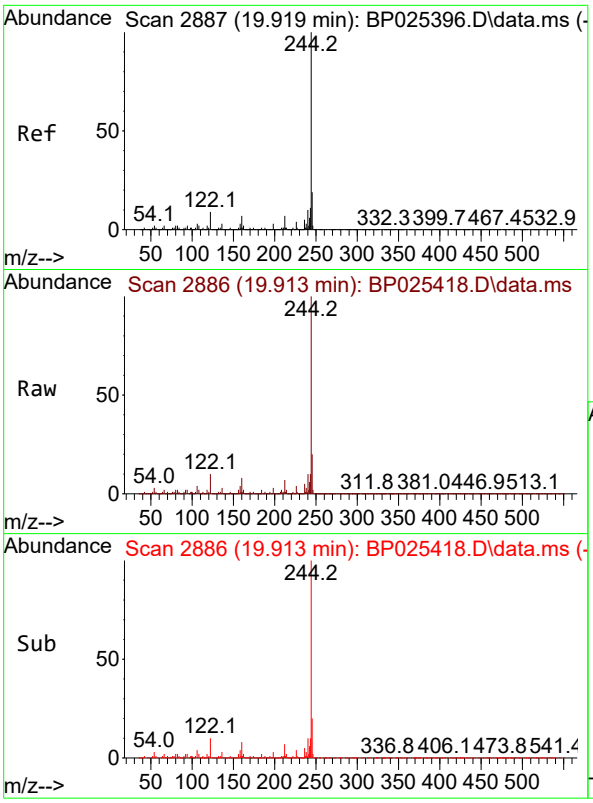


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:240 Resp: 923699

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.6	19.8	29.8



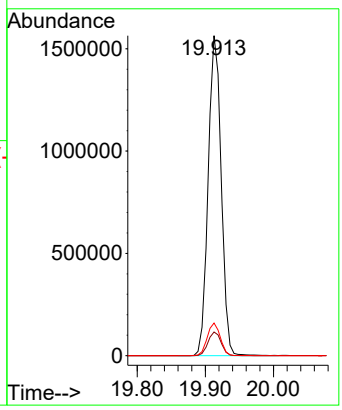


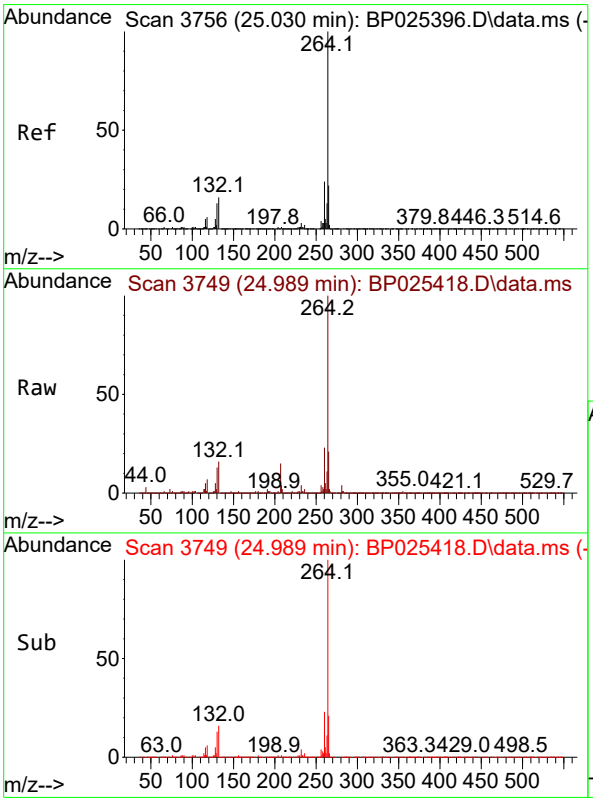
#79
Terphenyl-d14
Concen: 41.211 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Instrument :
BNA_P
ClientSampleId :
88H-W

Tgt Ion:244 Resp: 2080616

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.2	7.4	11.2

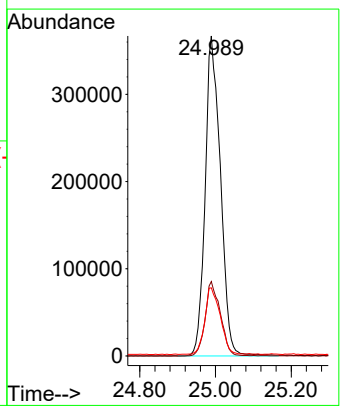




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025418.D
Acq: 15 Aug 2025 07:51

Tgt Ion:264 Resp: 1026007

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	21.3	17.4	26.0



Sample Results: **BP025418.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025418.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB	154573	198532	3.49%	0.613%
2	3.043	13	18	31	rVB	945074	1123736	19.75%	3.471%
3	4.949	337	342	349	rBV	139760	201784	3.55%	0.623%
4	5.408	413	420	434	rBV	1523588	2237772	39.33%	6.912%
5	6.966	675	685	703	rBV	1489697	2431550	42.74%	7.511%
6	7.790	817	825	834	rBV	522367	852433	14.98%	2.633%
7	8.925	1010	1018	1029	rBV	981813	1619479	28.46%	5.002%
8	10.560	1288	1296	1311	rBV	703236	1193198	20.97%	3.686%
9	13.013	1706	1713	1730	rBV	2525149	3513356	61.75%	10.852%
10	14.395	1938	1948	1956	rBV	1047058	1695684	29.80%	5.238%
11	15.772	2176	2182	2190	rBV	344411	479618	8.43%	1.481%
12	15.907	2197	2205	2222	rBV	2027265	3096989	54.43%	9.566%
13	17.189	2417	2423	2436	rBV2	1434188	2079315	36.55%	6.423%
14	18.136	2579	2584	2592	rBV	187933	268366	4.72%	0.829%
15	19.454	2805	2808	2818	rBV5	48119	85147	1.50%	0.263%
16	19.913	2880	2886	2893	rBV	4276352	5689568	100.00%	17.574%
17	21.307	3119	3123	3135	rBV3	247972	458249	8.05%	1.415%
18	21.636	3171	3179	3191	rVB	1214024	2504448	44.02%	7.736%
19	24.989	3741	3749	3762	rVB	955908	2644954	46.49%	8.170%

Sum of corrected areas: 32374178

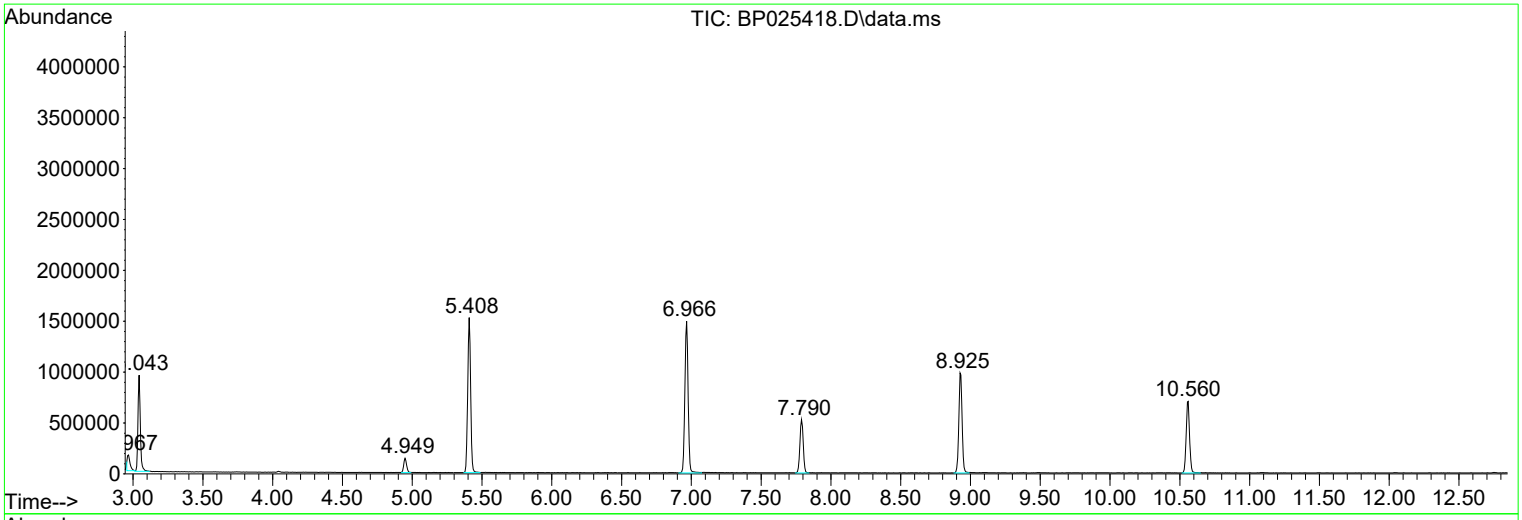
Sample Results: **BP025418.D**

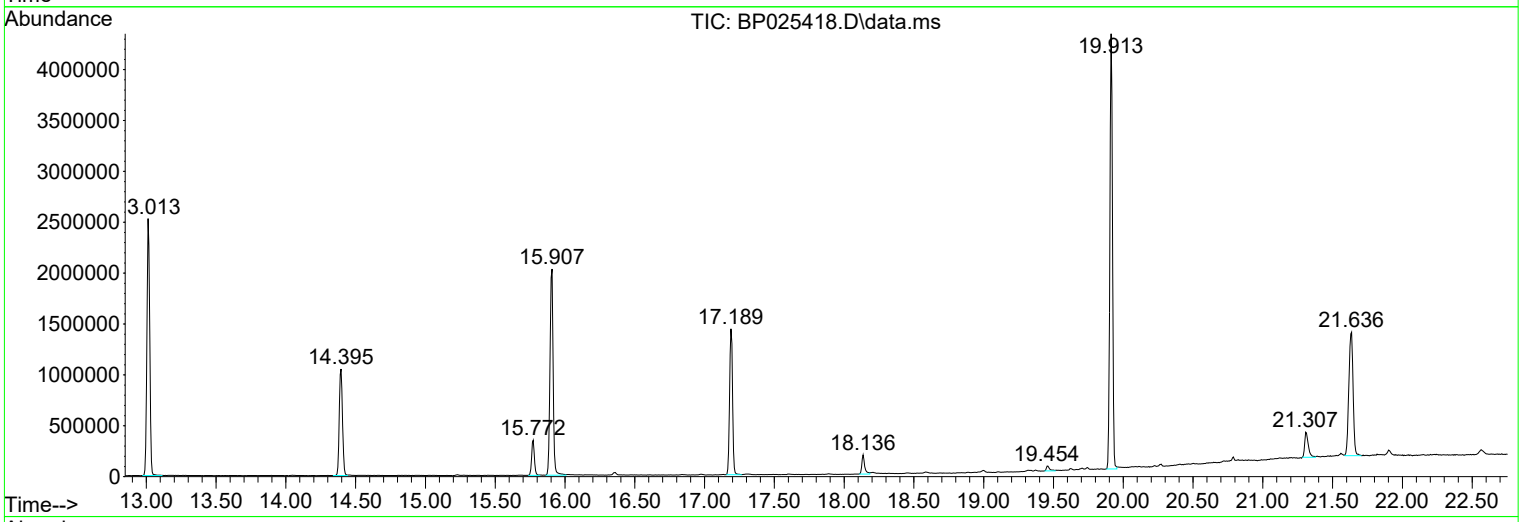
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

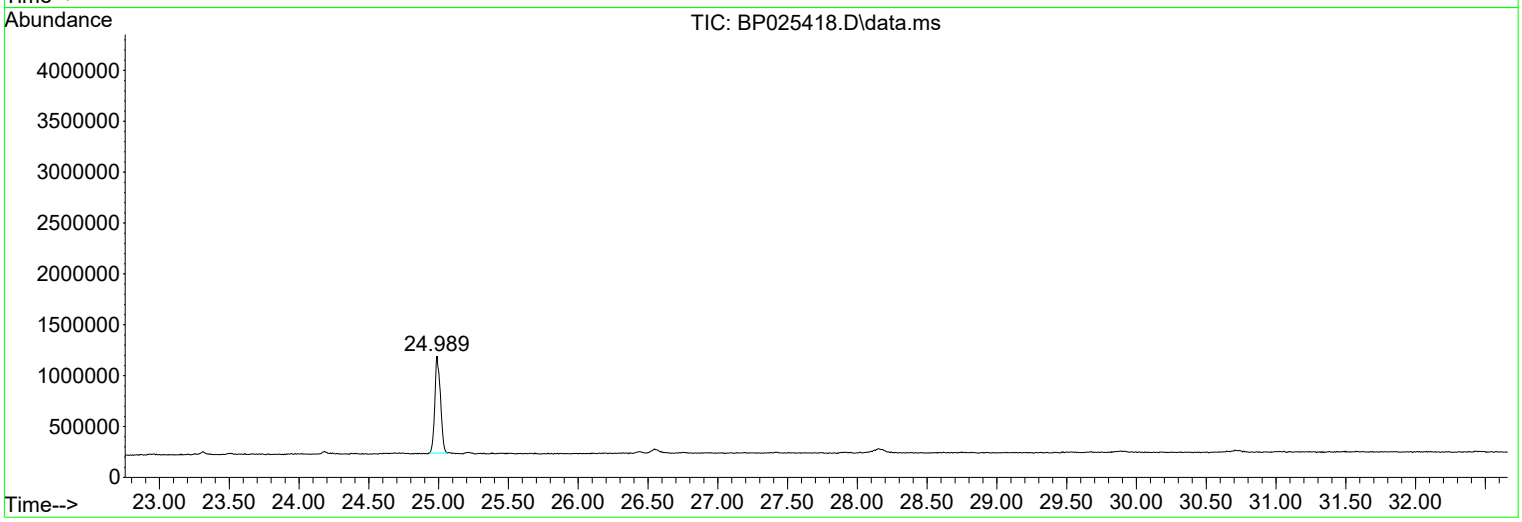
Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

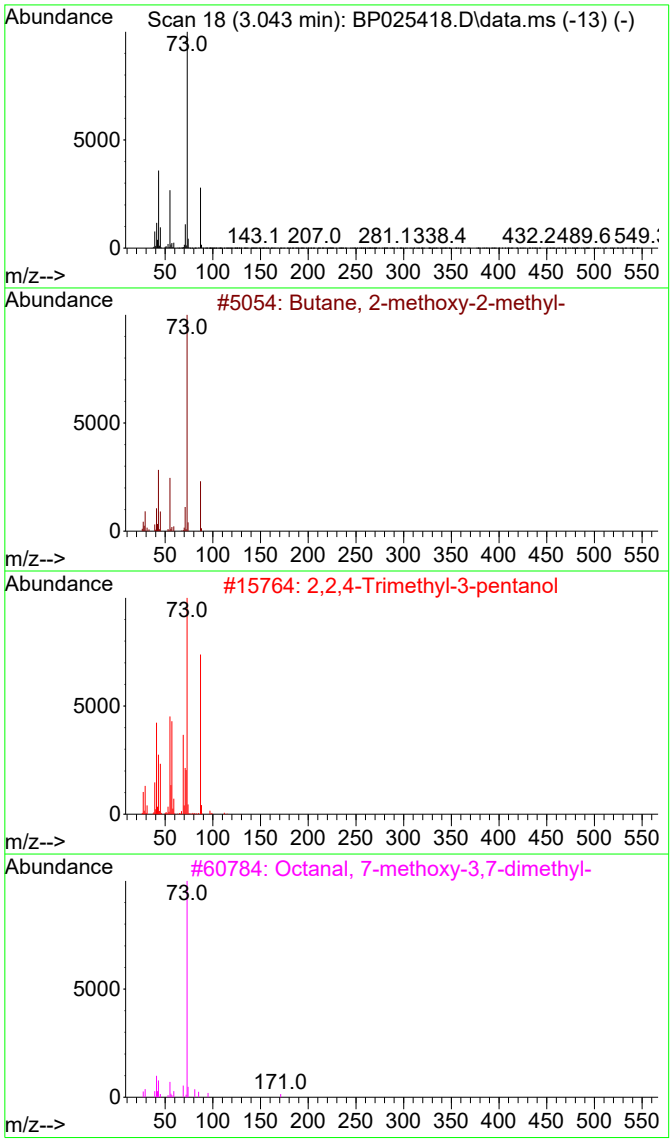
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

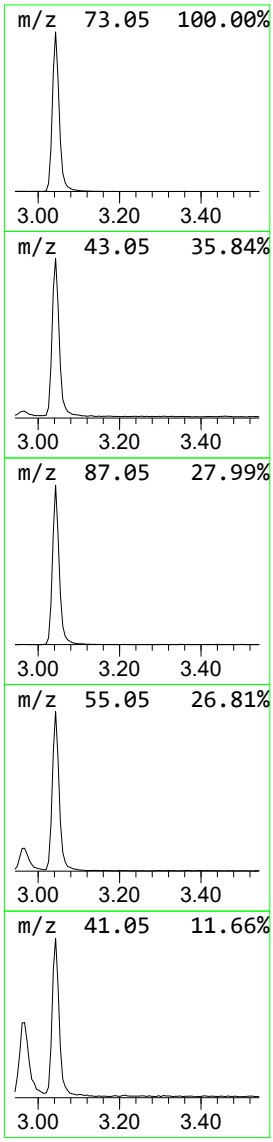
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	26.37 ng	1123740	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

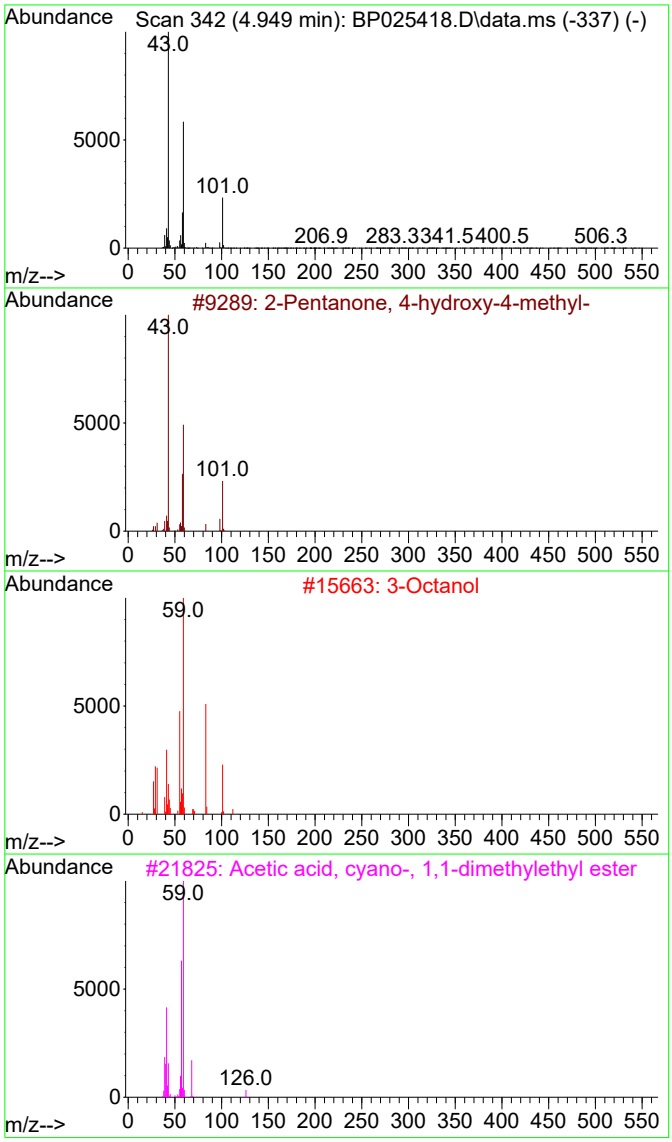
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

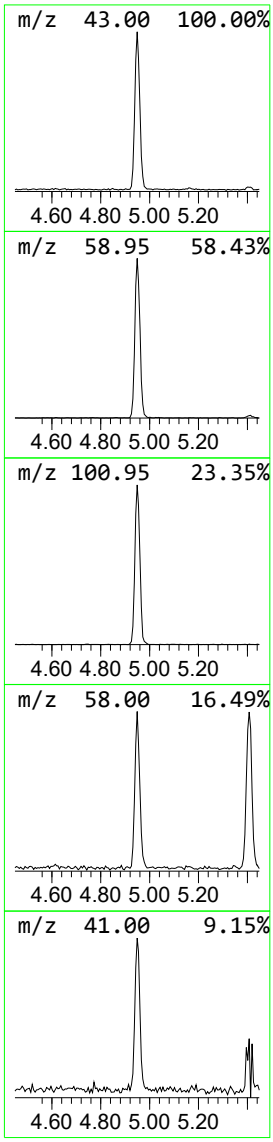
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.73 ng	201784	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Octanol	130	C8H18O	000589-98-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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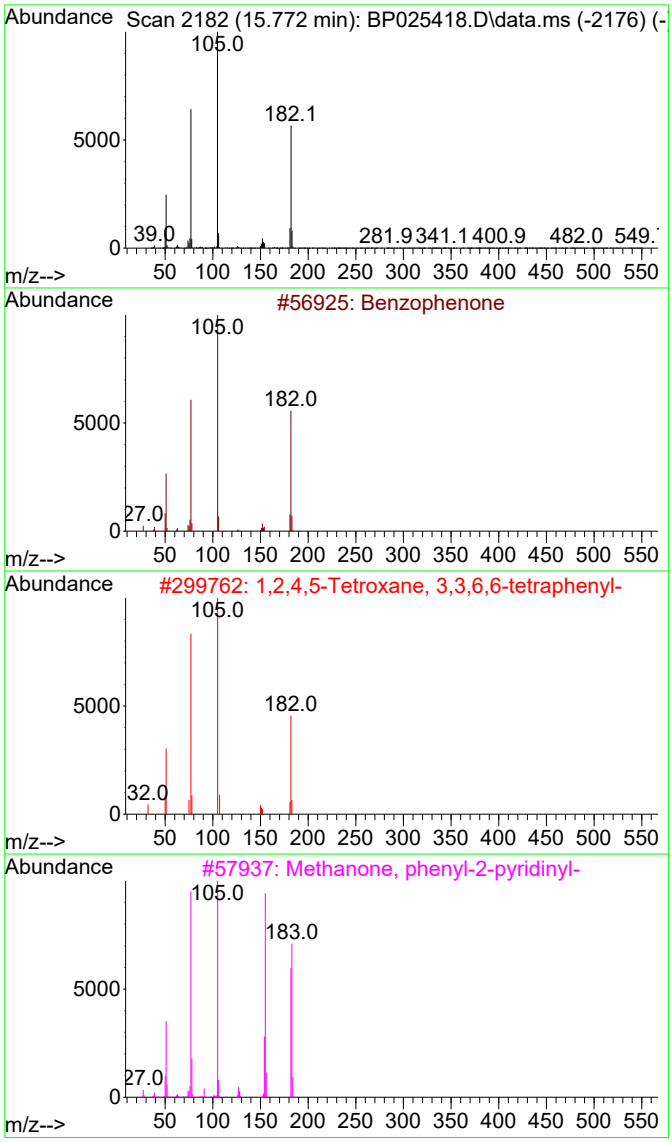
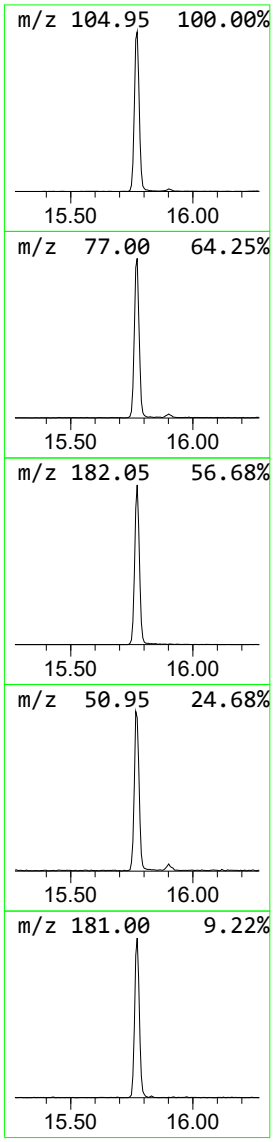
Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	5.66 ng	479618	Acenaphthene-d10	14.395

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
4	Azobenzene	182	C12H10N2	000103-33-3	38
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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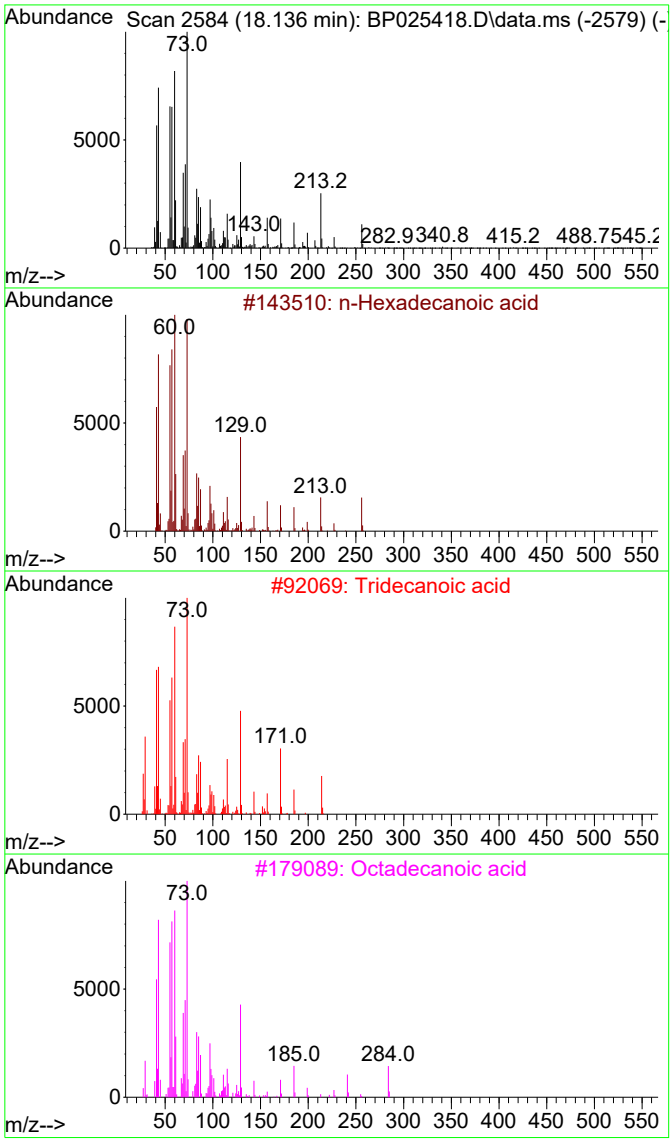
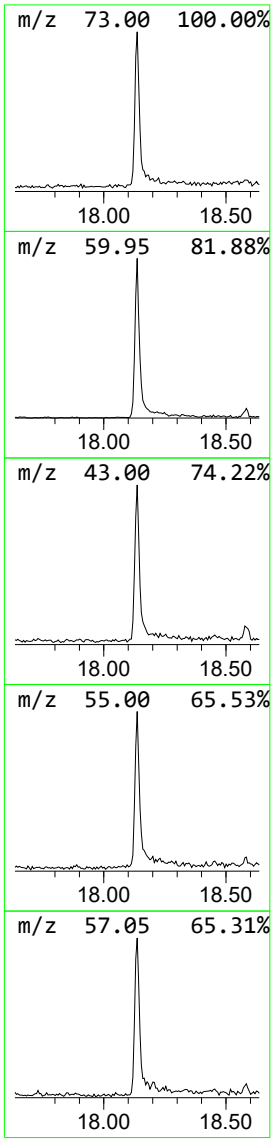
Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	2.58 ng	268366	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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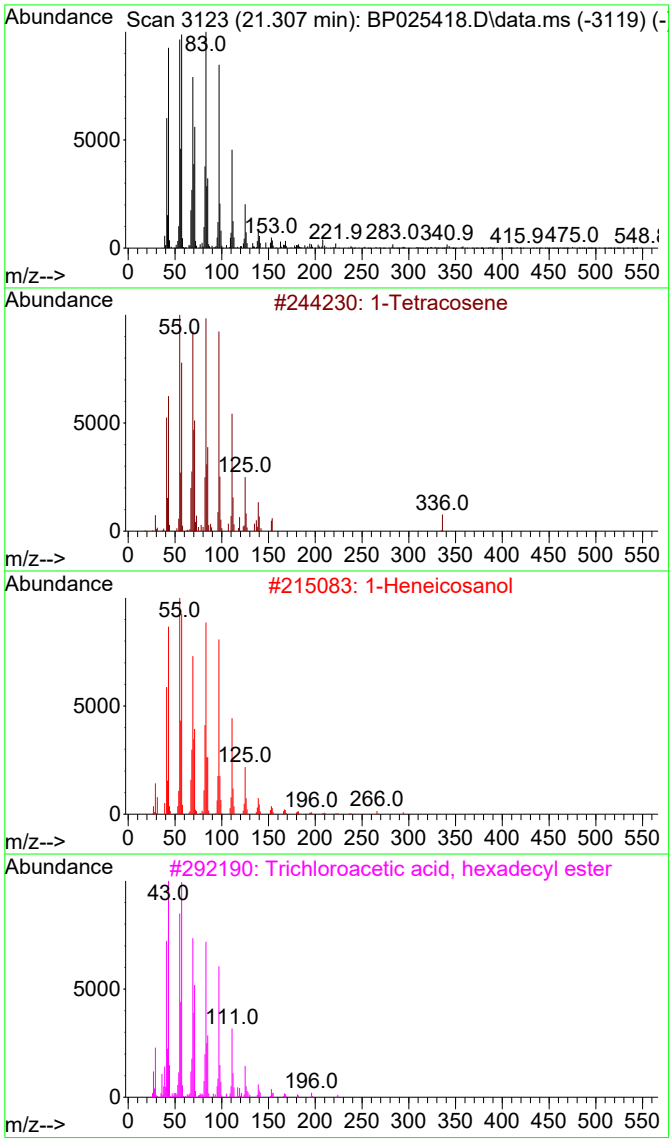
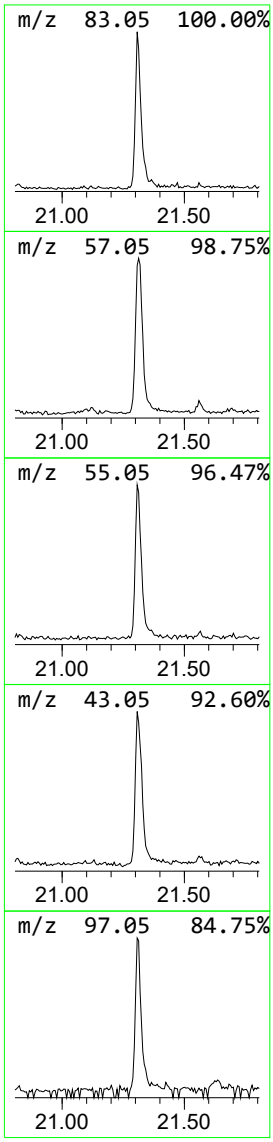
Peak Number 6 1-Tetracosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	3.66 ng	458249	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	94
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
4	1-Hexacosene	364	C26H52	018835-33-1	93
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025418.D
Acq On : 15 Aug 2025 07:51
Operator : CG/JU
Sample : Q2820-19
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	26.4	ng	1123740	1	7.790	852433	20.0
2-Pentanone, 4-...	4.949	4.7	ng	201784	1	7.790	852433	20.0
Benzophenone	15.772	5.7	ng	479618	3	14.395	1695680	20.0
n-Hexadecanoic ...	18.136	2.6	ng	268366	4	17.189	2079320	20.0
1-Tetracosene	21.307	3.7	ng	458249	5	21.636	2504450	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.4		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	75.2		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.9		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.3	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	191000	7.79				
1146-65-2	Naphthalene-d8	749000	10.554				
15067-26-2	Acenaphthene-d10	501000	14.407				
1517-22-2	Phenanthrene-d10	1060000	17.201				
1719-03-5	Chrysene-d12	1170000	21.642				
1520-96-3	Perylene-d12	1280000	25.007				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025481.D
Acq On : 19 Aug 2025 18:17
Operator : CG/JU
Sample : Q2820-19RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Quant Time: Aug 20 11:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

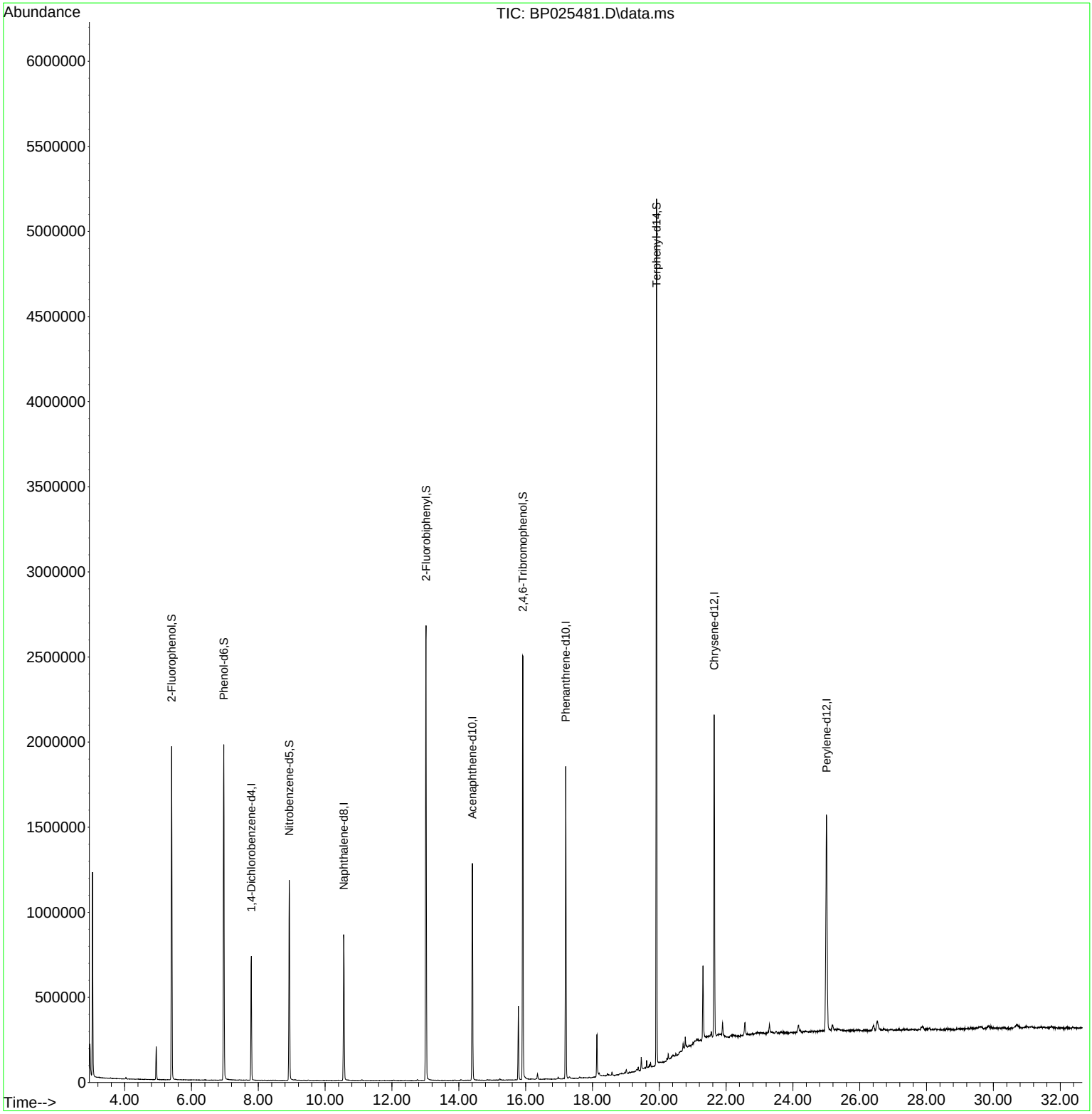
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	191159	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	749052	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	500665	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	1060076	20.000	ng	0.00
76) Chrysene-d12	21.642	240	1173115	20.000	ng	0.00
86) Perylene-d12	25.007	264	1280635	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	879090	76.371	ng	0.00
7) Phenol-d6	6.966	99	1109952	75.211	ng	0.00
23) Nitrobenzene-d5	8.925	82	693859	46.858	ng	-0.01
42) 2,4,6-Tribromophenol	15.919	330	499017	74.049	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1514583	41.344	ng	0.00
79) Terphenyl-d14	19.919	244	2687132	41.908	ng	0.00
Target Compounds						Qvalue

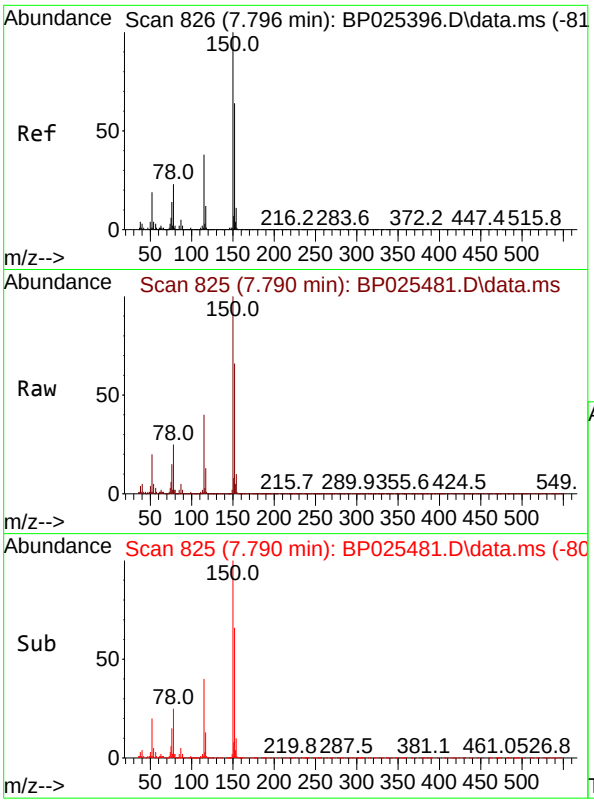
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025481.D
Acq On : 19 Aug 2025 18:17
Operator : CG/JU
Sample : Q2820-19RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Quant Time: Aug 20 11:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



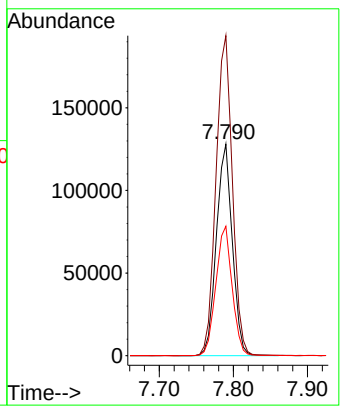


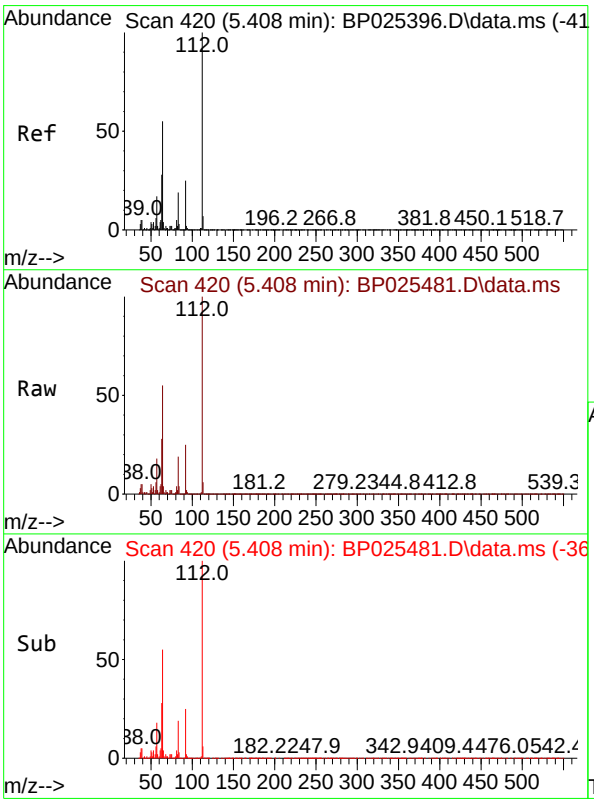
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion:152 Resp: 191159

Ion	Ratio	Lower	Upper
152	100		
150	151.3	125.9	188.9
115	61.2	48.5	72.7

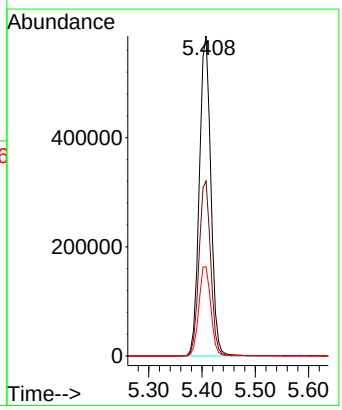


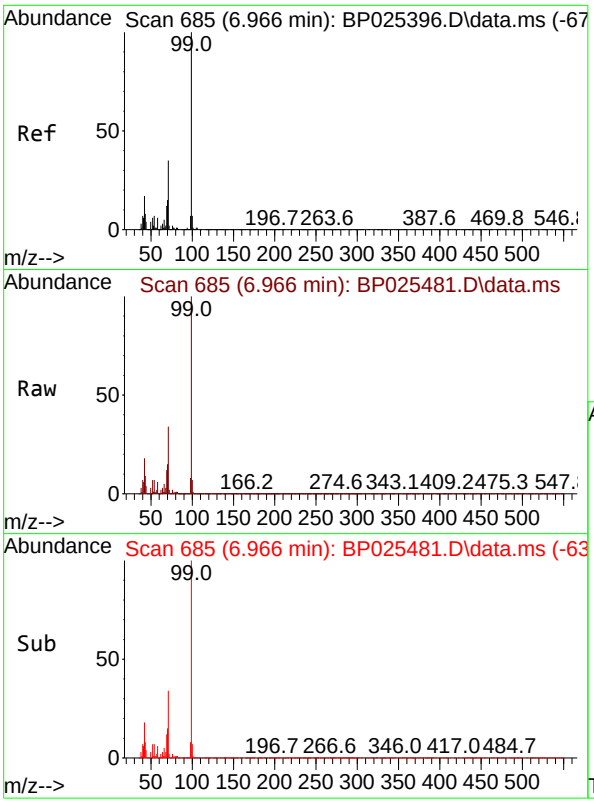


#5
2-Fluorophenol
Concen: 76.371 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:112 Resp: 879090

Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	27.9	22.7	34.1



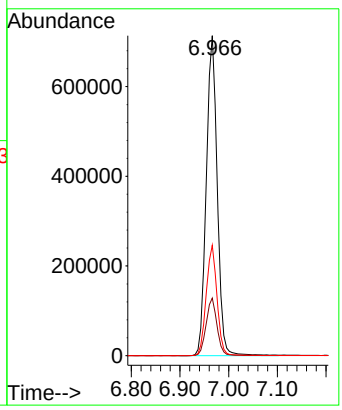


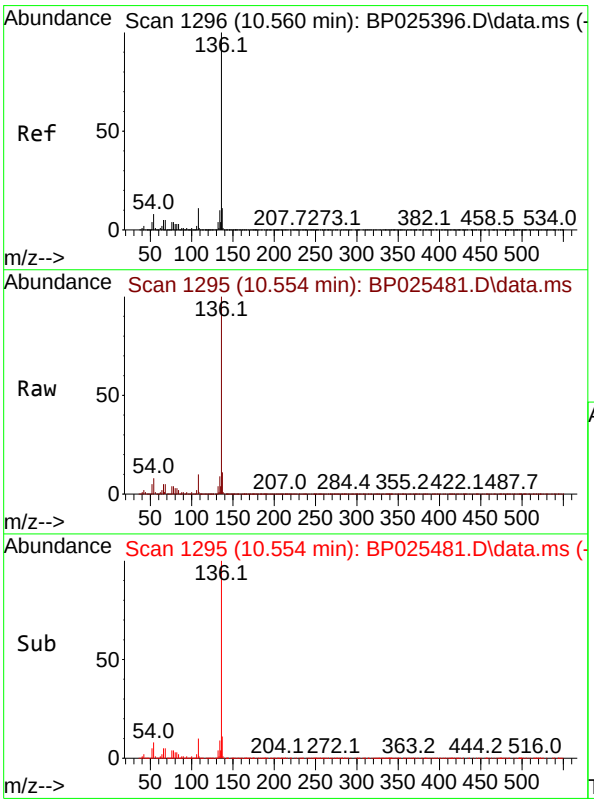
#7
Phenol-d6
Concen: 75.211 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion: 99 Resp: 1109952

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	34.5	28.2	42.4

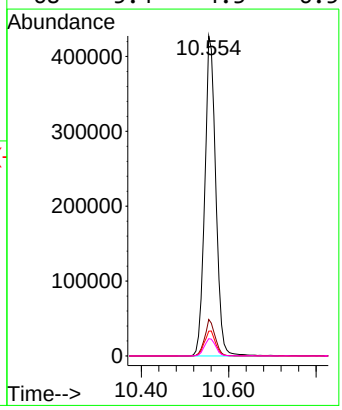


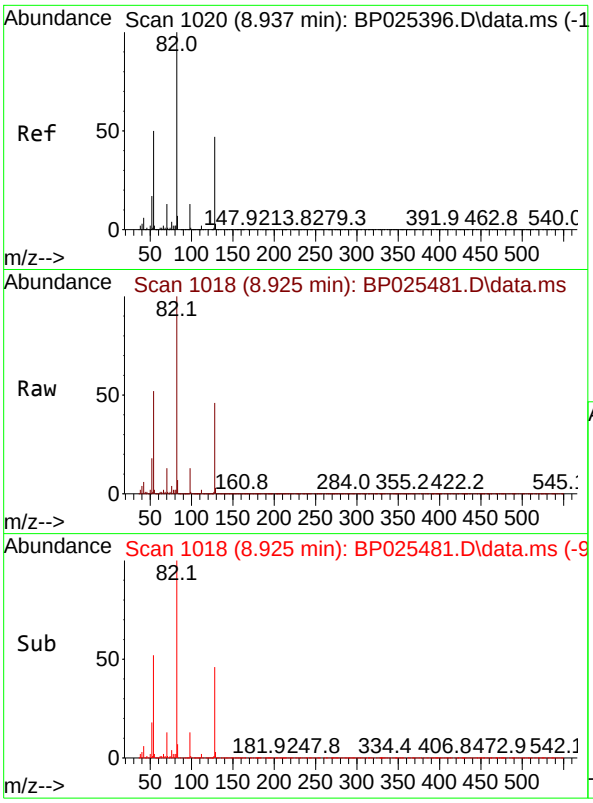


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:136 Resp: 749052

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.7	6.0	9.0
68	5.4	4.3	6.5



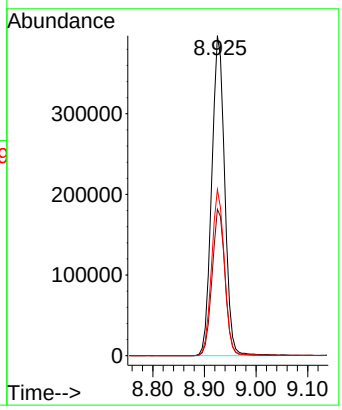


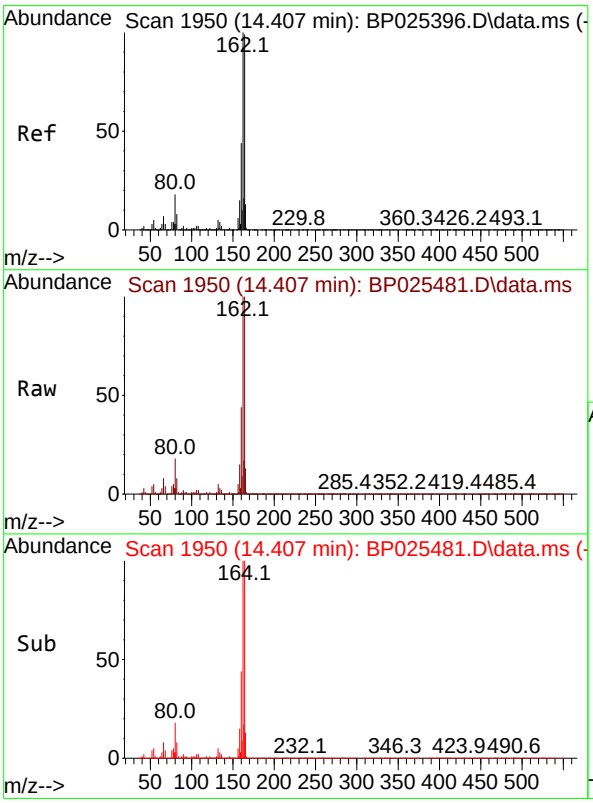
#23
Nitrobenzene-d5
Concen: 46.858 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion: 82 Resp: 693859

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	51.9	39.8	59.6

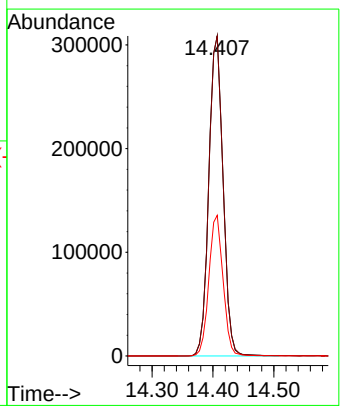


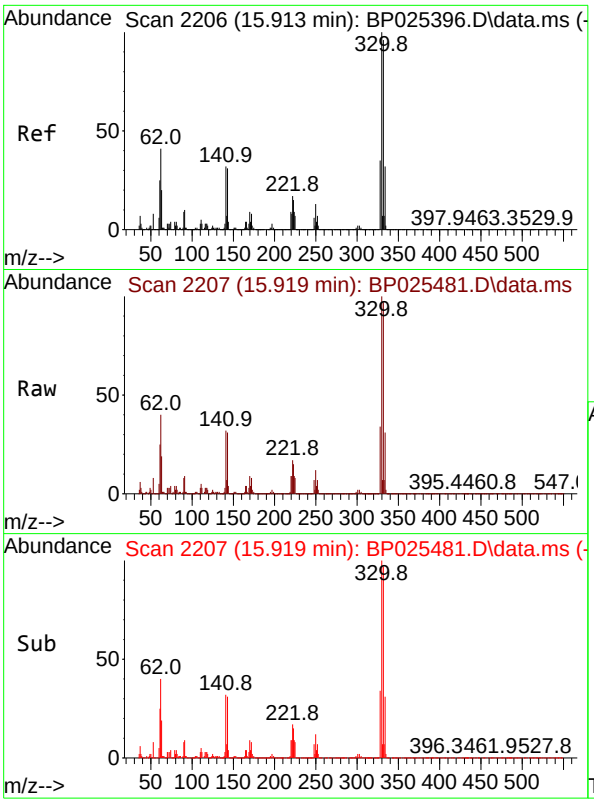


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:164 Resp: 500665

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.0	121.6
160	44.0	35.4	53.2



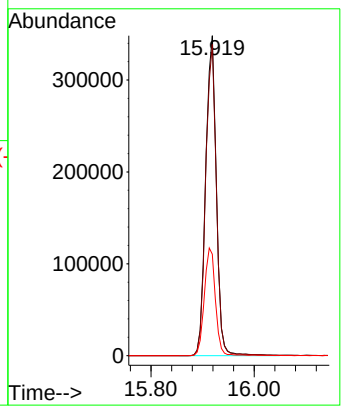


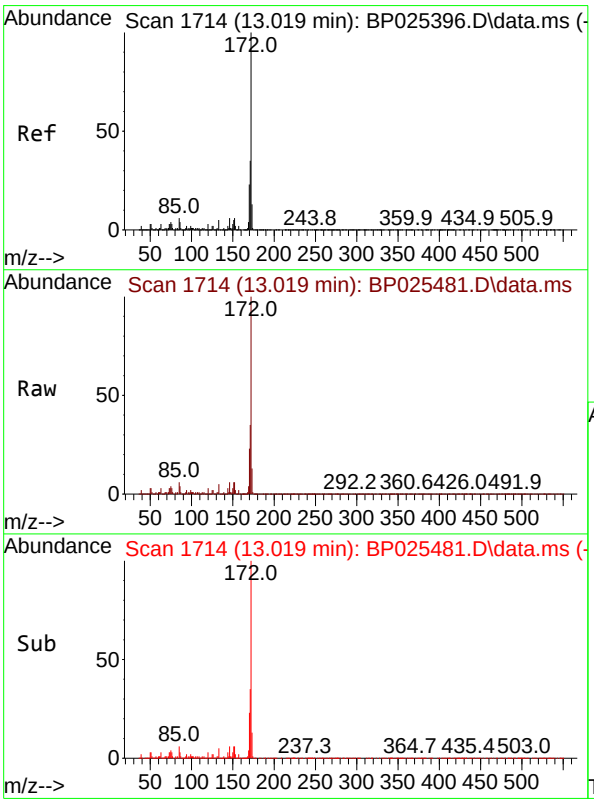
#42
2,4,6-Tribromophenol
Concen: 74.049 ng
RT: 15.919 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion:330 Resp: 499017

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	34.9	26.6	39.8

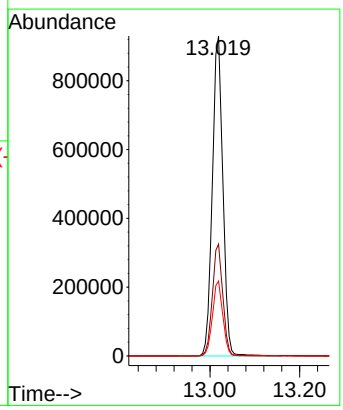


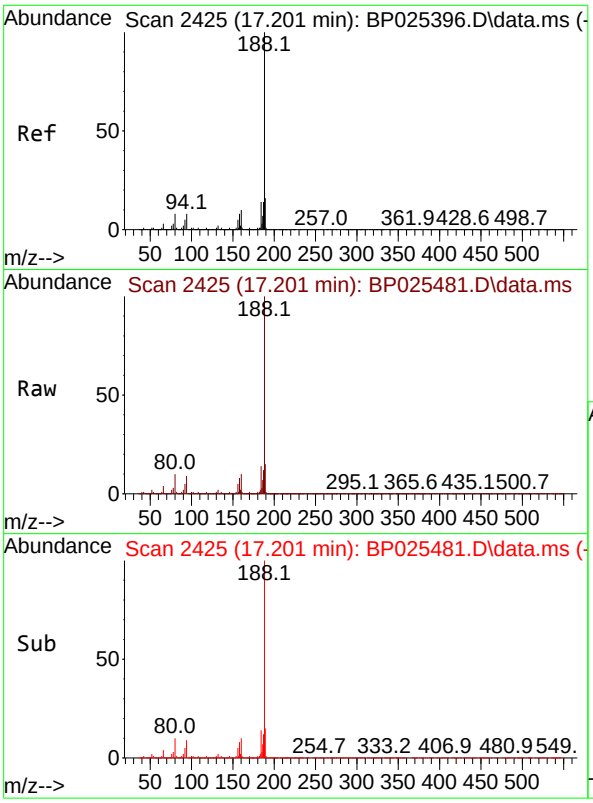


#45
2-Fluorobiphenyl
Concen: 41.344 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:172 Resp: 1514583

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.4	18.6	28.0



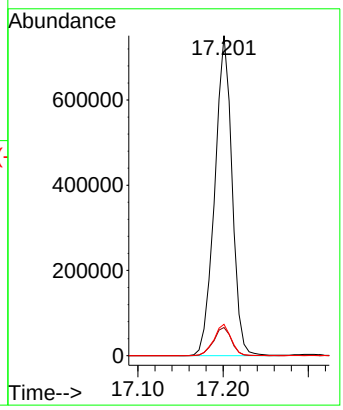


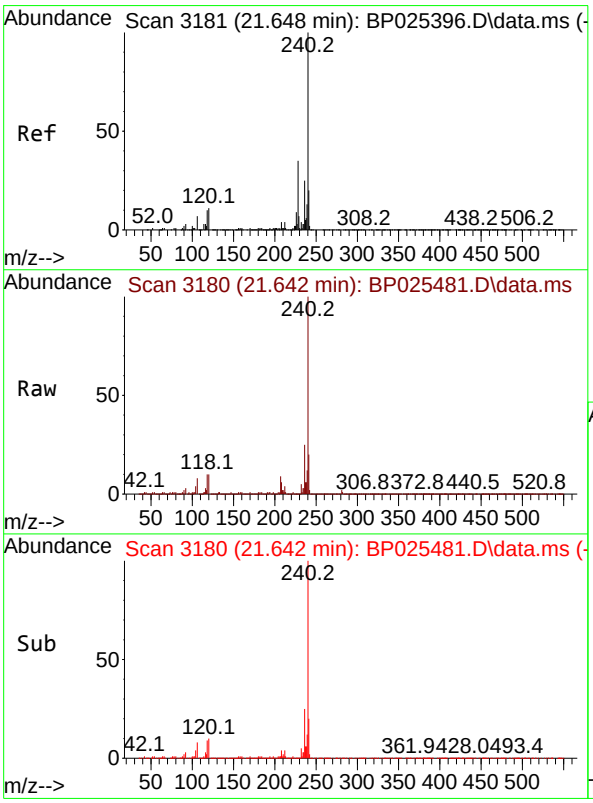
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion:188 Resp: 1060076

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.8	6.7	10.1

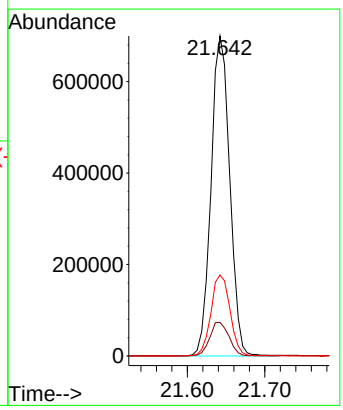


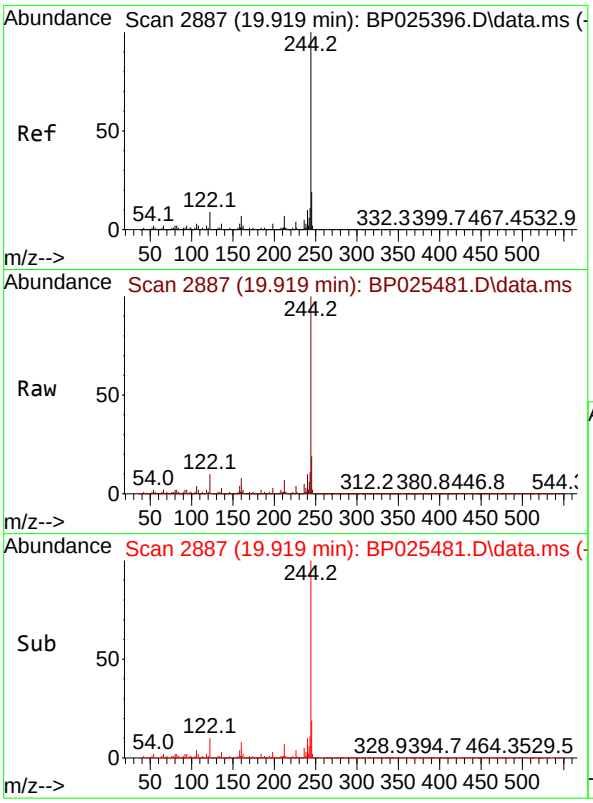


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:240 Resp: 1173115

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.3	19.8	29.8



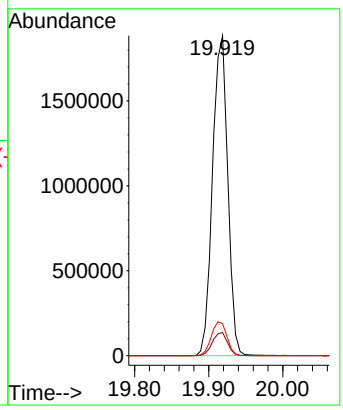


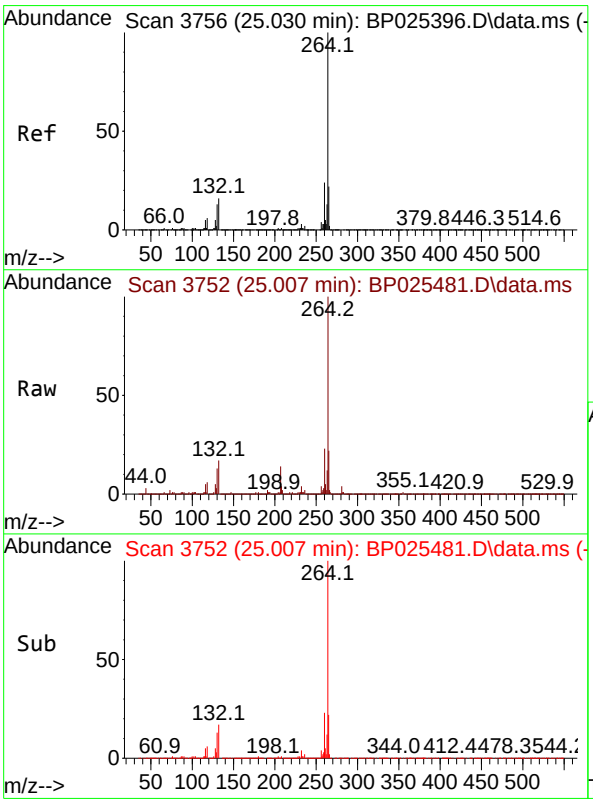
#79
Terphenyl-d14
Concen: 41.908 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Instrument :
BNA_P
ClientSampleId :
88H-WRE

Tgt Ion:244 Resp: 2687132

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	10.0	7.4	11.2

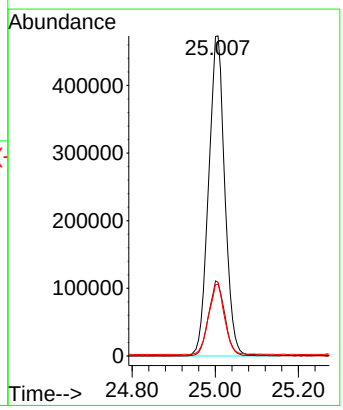




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025481.D
Acq: 19 Aug 2025 18:17

Tgt Ion:264 Resp: 1280635

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.4	17.4	26.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	55.6		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	55.5		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.0	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	30.7	*	44 - 115		31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.1	*	39 - 132		37%	SPK: 150
1718-51-0	Terphenyl-d14	29.9	*	54 - 127		30%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150000	7.79				
1146-65-2	Naphthalene-d8	599000	10.56				
15067-26-2	Acenaphthene-d10	391000	14.401				
1517-22-2	Phenanthrene-d10	834000	17.201				
1719-03-5	Chrysene-d12	954000	21.642				
1520-96-3	Perylene-d12	1070000	25.006				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	770	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB			4.95	ug/Kg
000119-61-9	Benzophenone	190	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J			18.1	ug/Kg
006971-40-0	17-Pentatriacontene	120	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Time: Aug 15 10:41:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

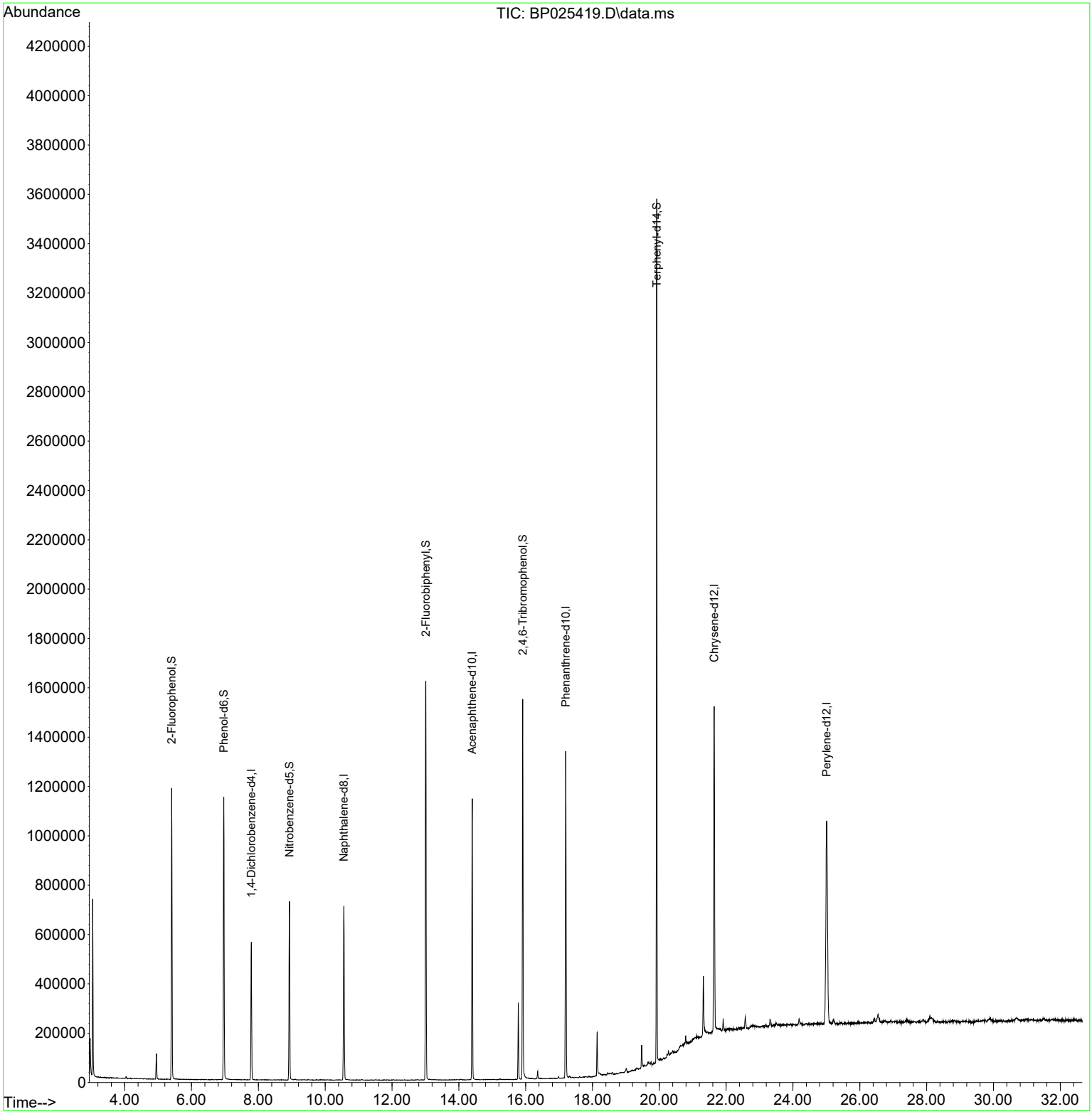
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	149844	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	598773	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	391178	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	833975	20.000	ng	0.00
76) Chrysene-d12	21.642	240	954124	20.000	ng	0.00
86) Perylene-d12	25.006	264	1072304	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	501455	55.576	ng	0.00
7) Phenol-d6	6.966	99	642395	55.531	ng	0.00
23) Nitrobenzene-d5	8.931	82	402407	33.996	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	290276	55.130	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	879887	30.741	ng	0.00
79) Terphenyl-d14	19.924	244	1559478	29.904	ng	0.00
Target Compounds						Qvalue

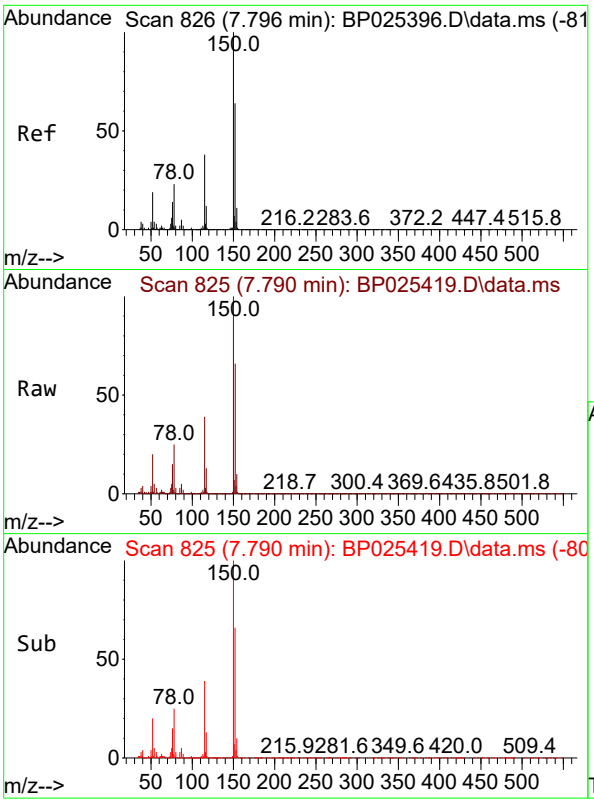
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Time: Aug 15 10:41:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



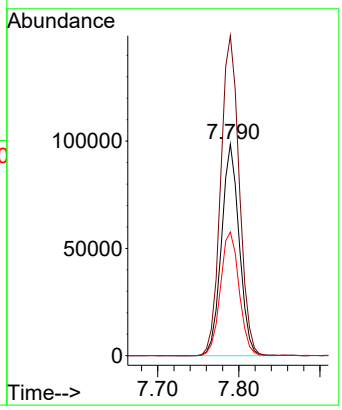


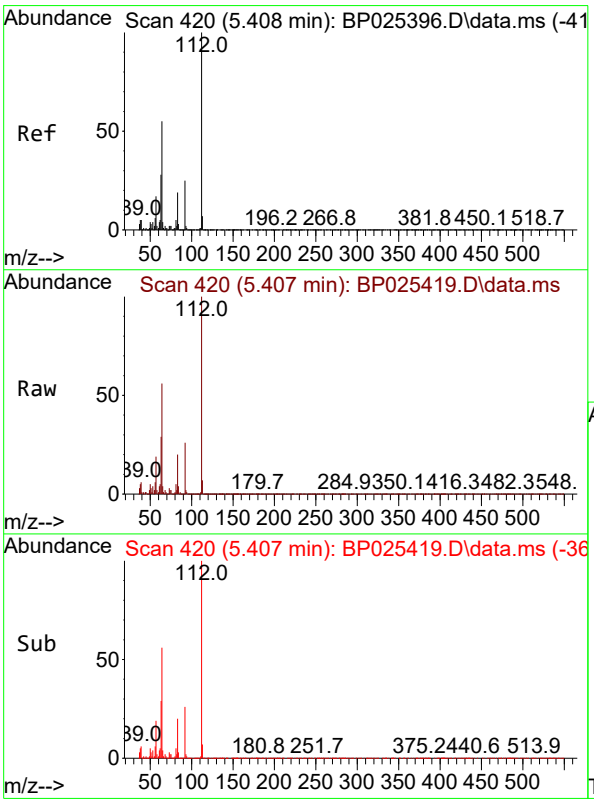
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion:152 Resp: 149844

Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.9	188.9
115	58.4	48.5	72.7

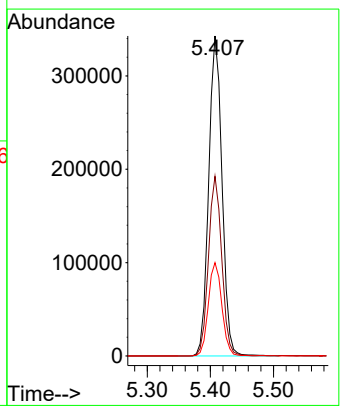


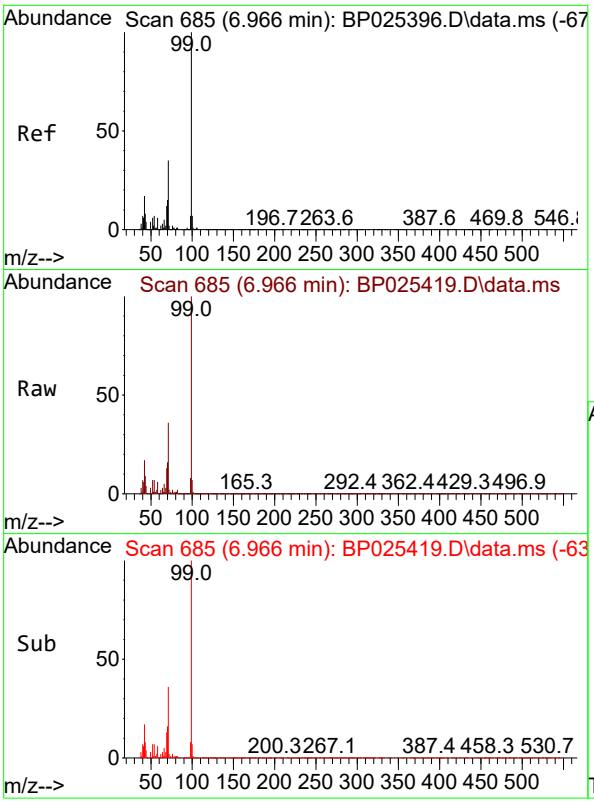


#5
2-Fluorophenol
Concen: 55.576 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:112 Resp: 501455

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	29.1	22.7	34.1



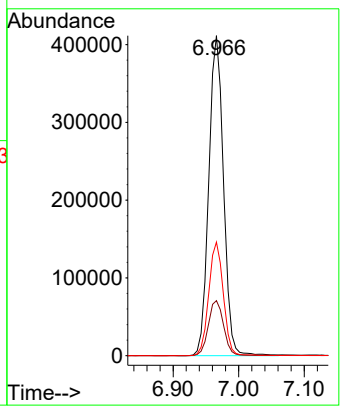


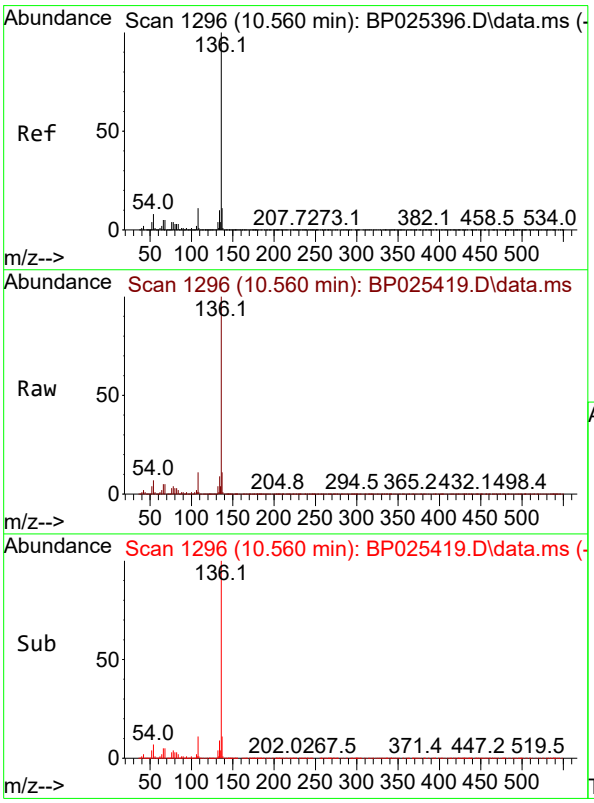
#7
Phenol-d6
Concen: 55.531 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion: 99 Resp: 642395

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.7	20.5
71	35.5	28.2	42.4

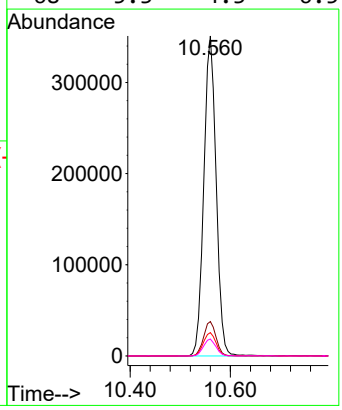


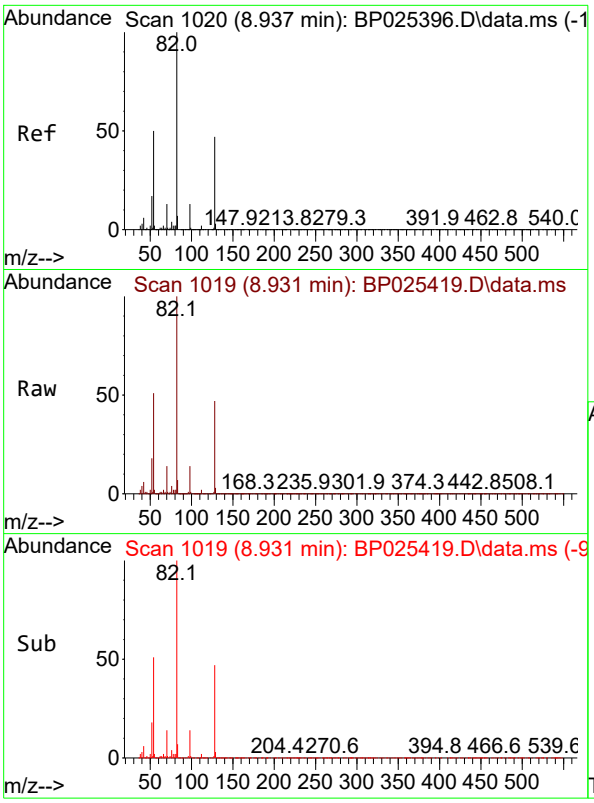


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:136 Resp: 598773

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.3	4.3	6.5



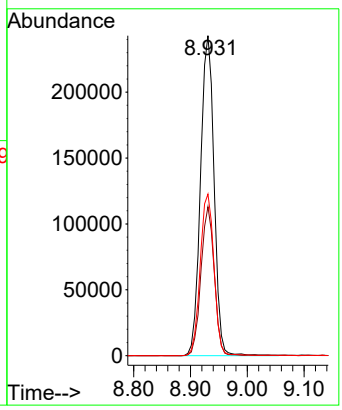


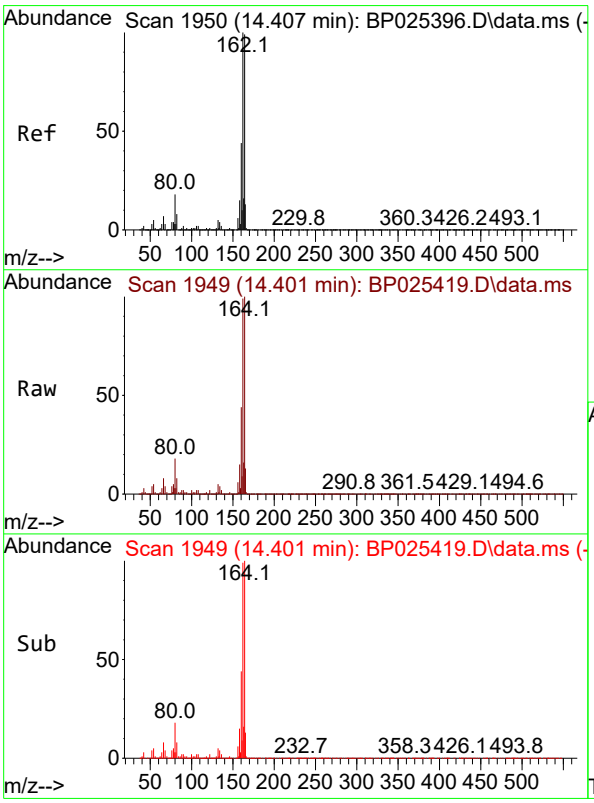
#23
Nitrobenzene-d5
Concen: 33.996 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion: 82 Resp: 402407

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	50.5	39.8	59.6

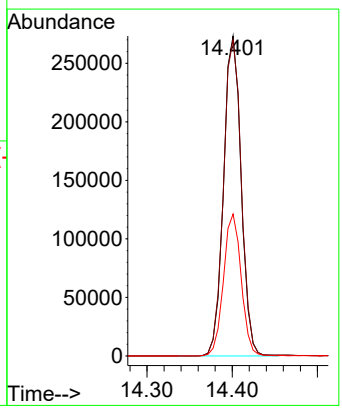


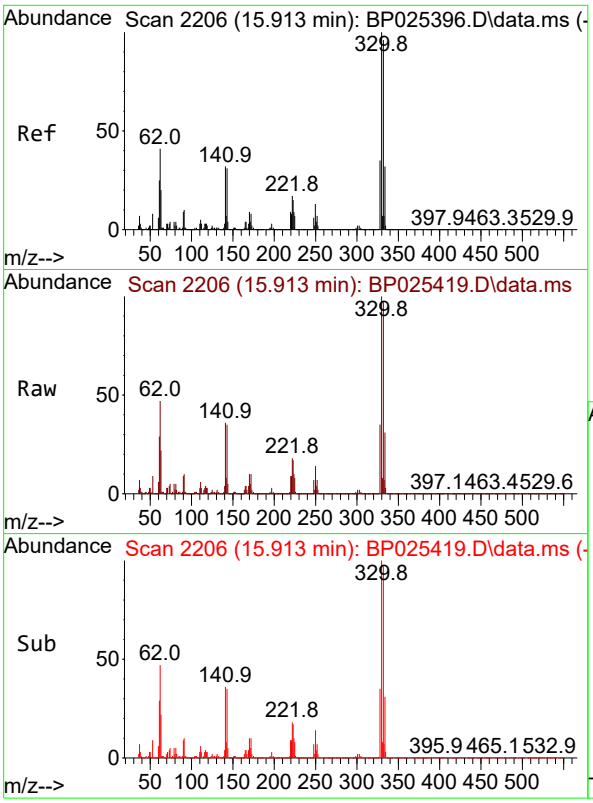


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:164 Resp: 391178

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.3	35.4	53.2



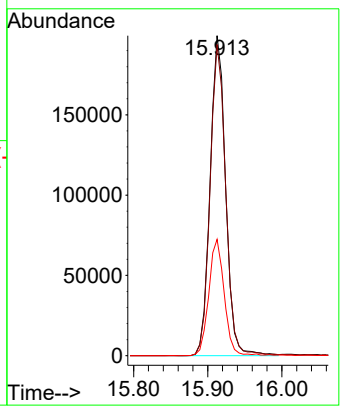


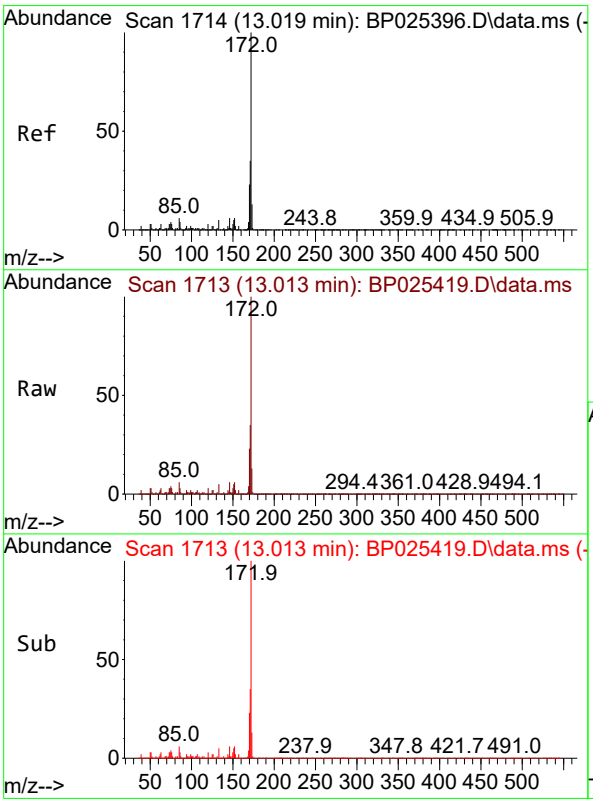
#42
2,4,6-Tribromophenol
Concen: 55.130 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion:330 Resp: 290276

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	36.5	26.6	39.8

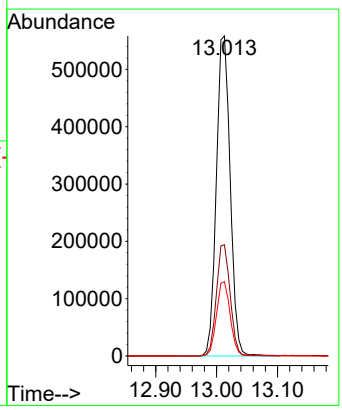


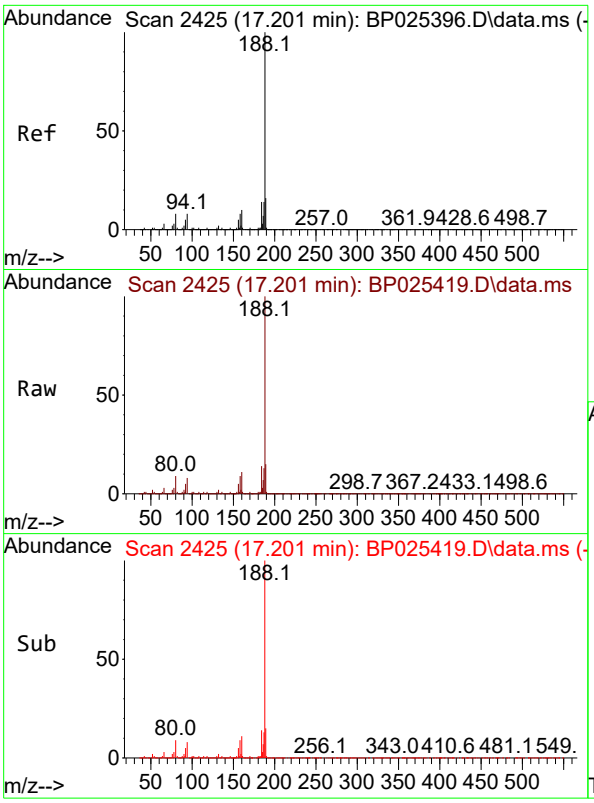


#45
2-Fluorobiphenyl
Concen: 30.741 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:172 Resp: 879887

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.2	18.6	28.0



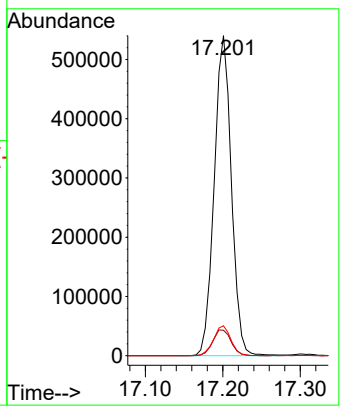


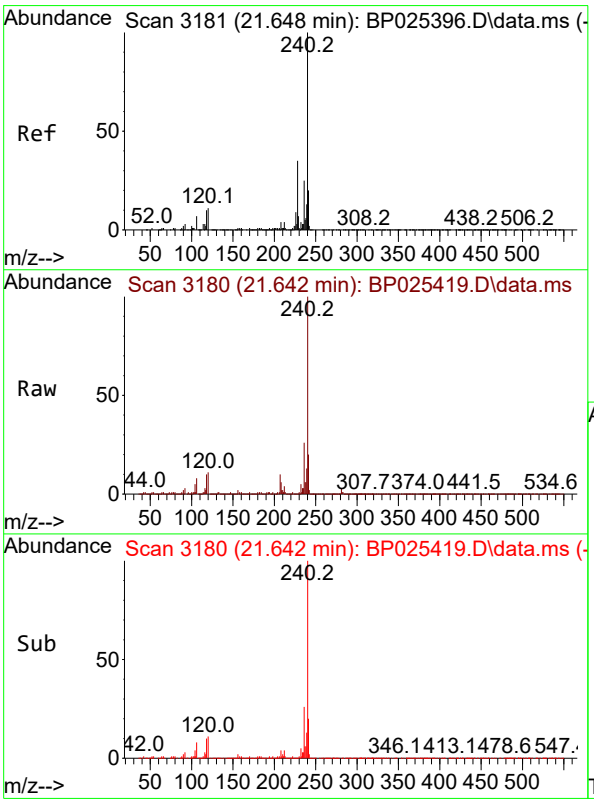
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion:188 Resp: 833975

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.6	10.0
80	9.3	6.7	10.1

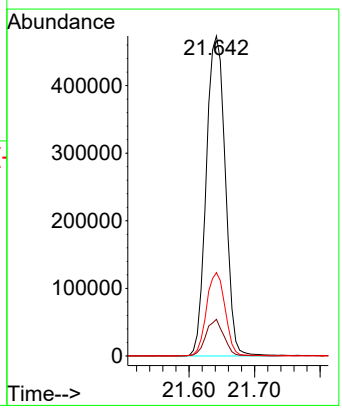


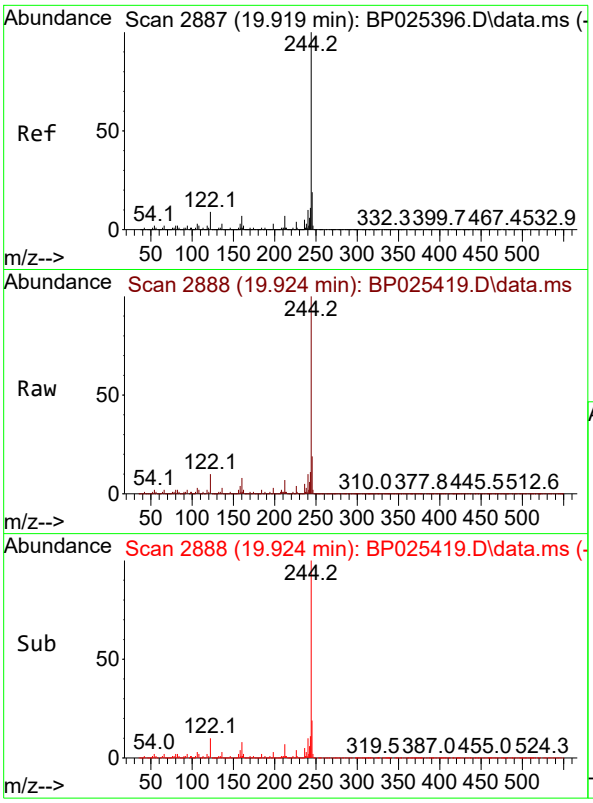


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:240 Resp: 954124

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	26.1	19.8	29.8



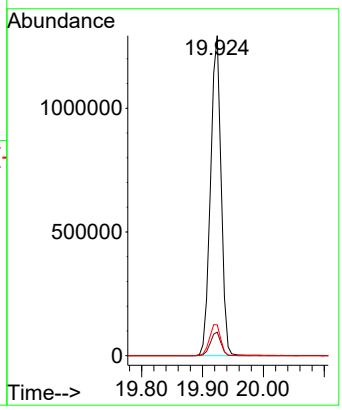


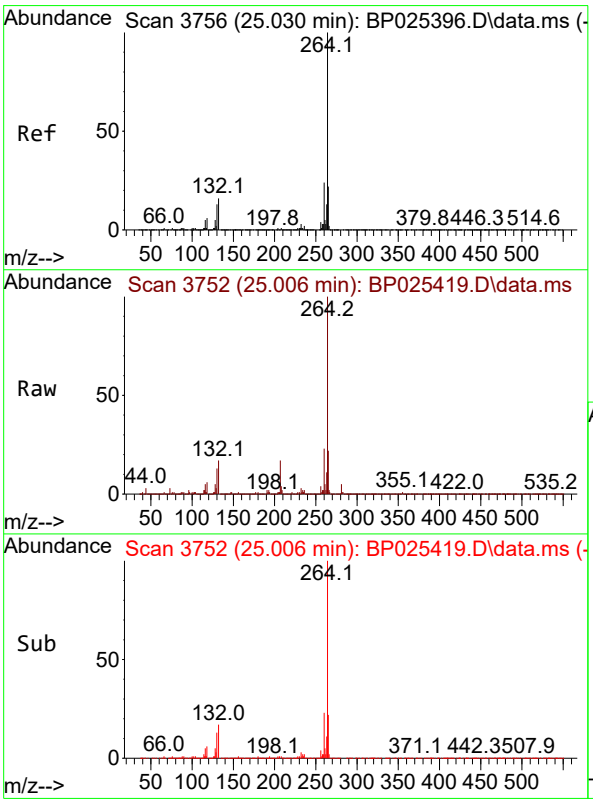
#79
Terphenyl-d14
Concen: 29.904 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Instrument :
BNA_P
ClientSampleId :
88H-S

Tgt Ion:244 Resp: 1559478

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.7	7.4	11.2

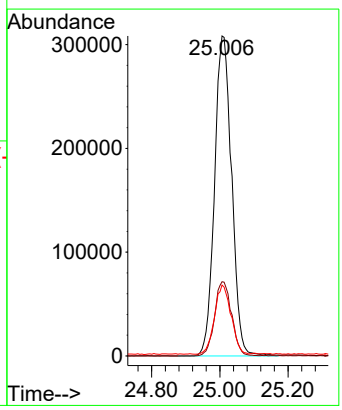




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025419.D
Acq: 15 Aug 2025 08:32

Tgt Ion:264 Resp: 1072304

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.2	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.966	3	5	13	rVB	148781	192217	4.49%	0.700%
2	3.043	13	18	37	rVB	721113	865249	20.23%	3.151%
3	4.949	337	342	350	rBV	103401	145371	3.40%	0.529%
4	5.407	413	420	435	rBV	1179551	1721138	40.25%	6.267%
5	6.966	678	685	700	rBV	1145494	1805464	42.22%	6.574%
6	7.790	816	825	833	rBV	558641	881808	20.62%	3.211%
7	8.931	1011	1019	1040	rBV	724884	1216112	28.44%	4.428%
8	10.560	1288	1296	1308	rBV	705313	1211547	28.33%	4.412%
9	13.013	1705	1713	1721	rBV	1616887	2537182	59.33%	9.239%
10	14.401	1942	1949	1956	rBV	1139032	1649801	38.58%	6.007%
11	15.777	2177	2183	2195	rBV	310660	407798	9.54%	1.485%
12	15.913	2199	2206	2220	rBV	1539751	2289572	53.54%	8.337%
13	17.201	2418	2425	2439	rBV2	1324966	2082330	48.69%	7.582%
14	18.142	2580	2585	2593	rBV	178432	256242	5.99%	0.933%
15	19.471	2807	2811	2818	rBV2	92043	137401	3.21%	0.500%
16	19.924	2882	2888	2893	rBV	3499764	4276622	100.00%	15.573%
17	21.318	3120	3125	3134	rBV	237592	398660	9.32%	1.452%
18	21.642	3173	3180	3194	rBV2	1317217	2627041	61.43%	9.566%
19	25.006	3743	3752	3765	rVB	816692	2761031	64.56%	10.054%

Sum of corrected areas: 27462586

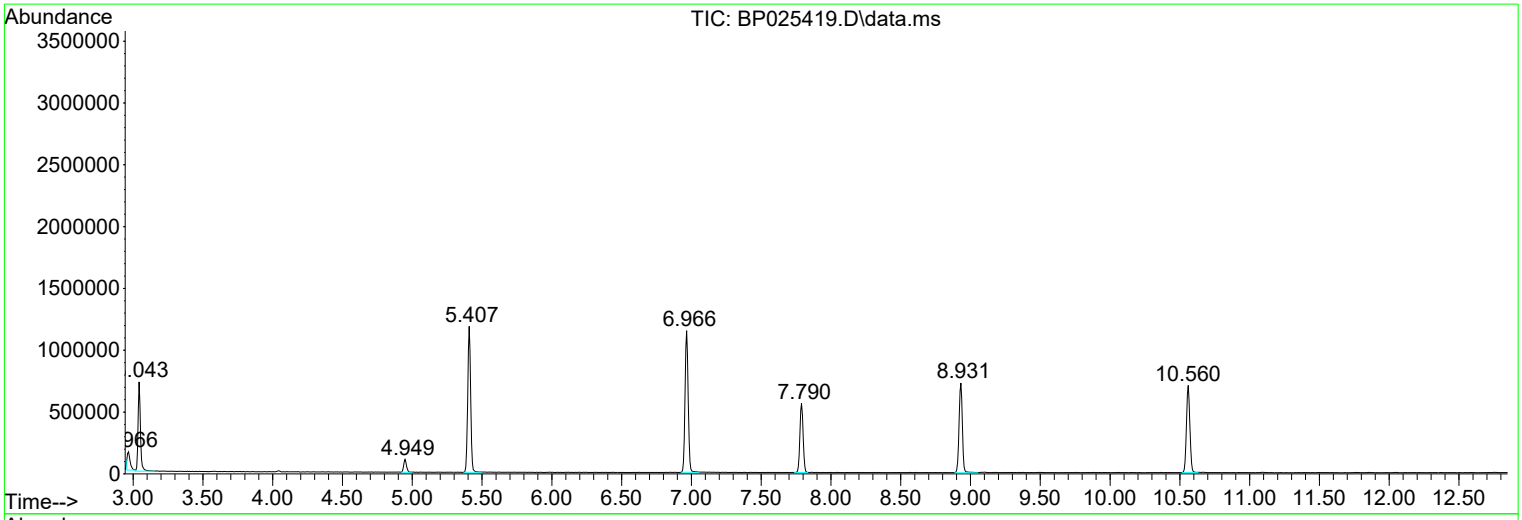
Sample Results: **BP025419.D**

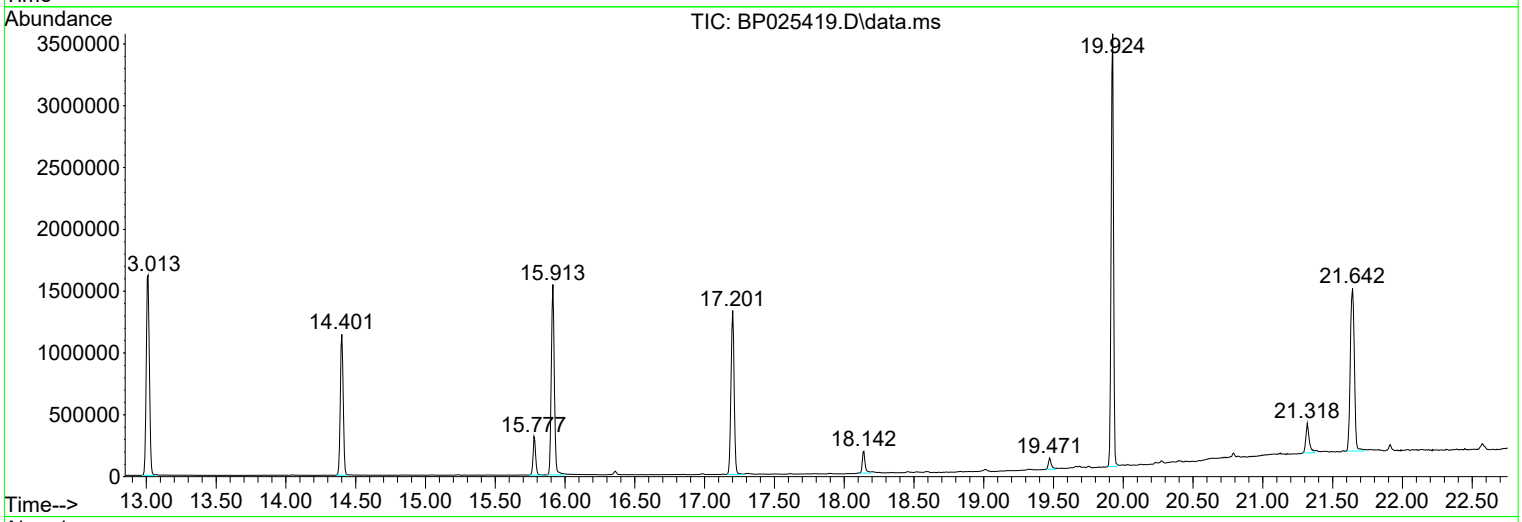
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

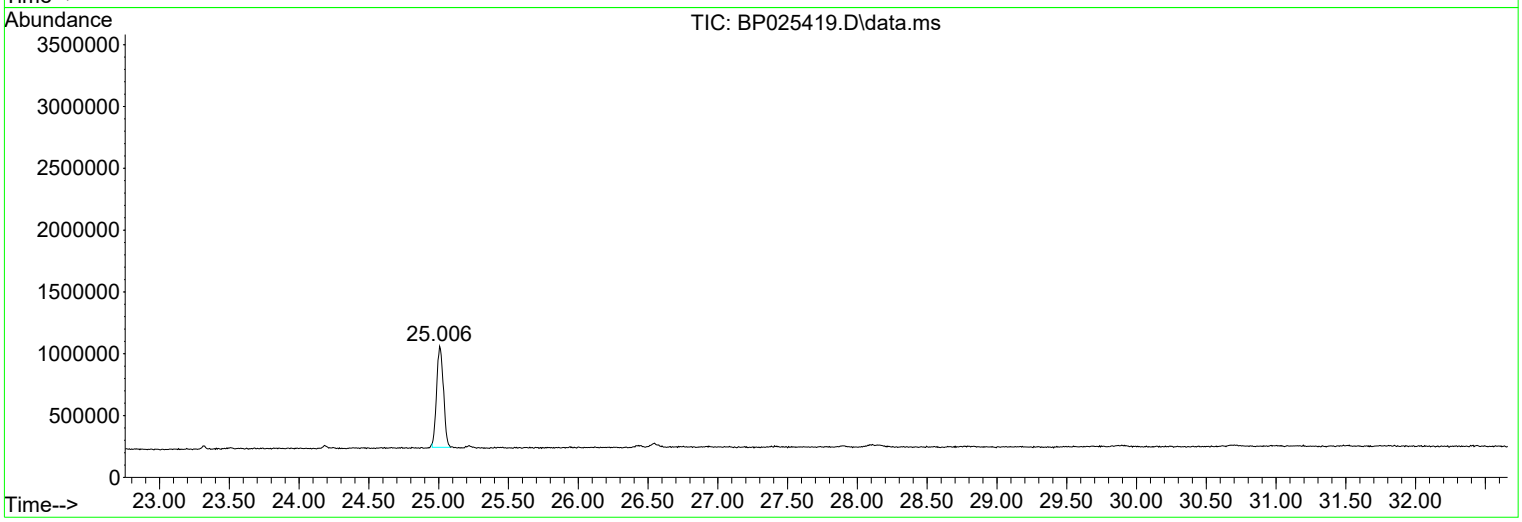
Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

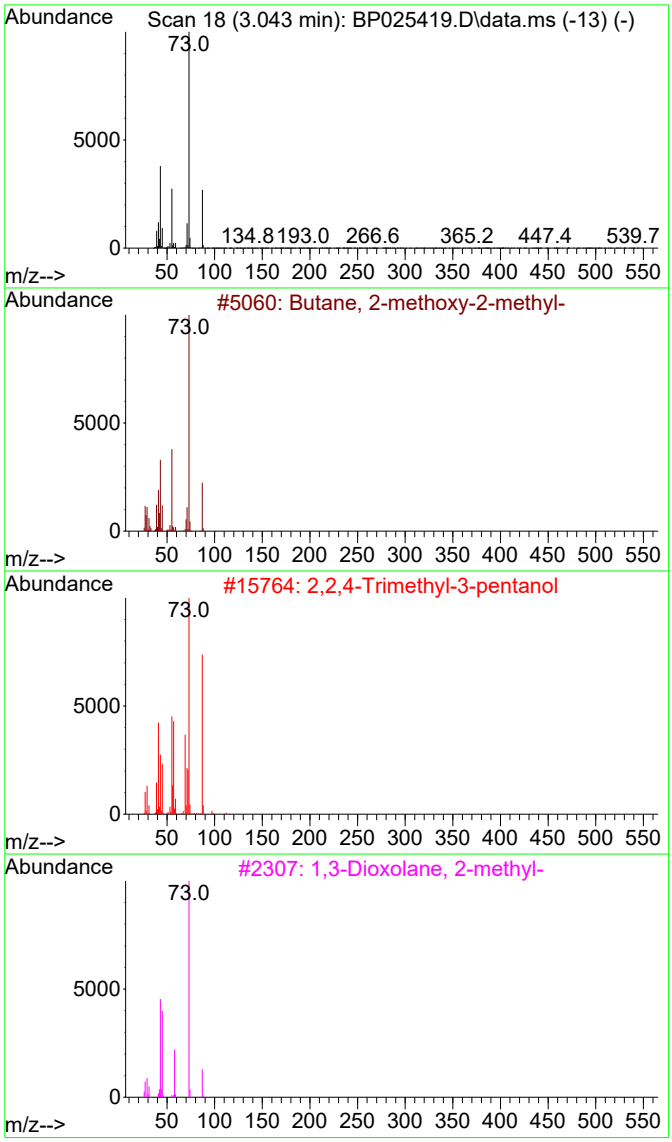
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

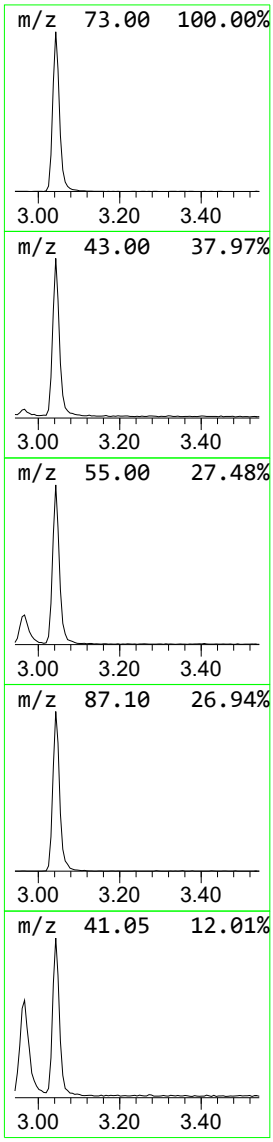
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	19.62 ng	865249	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

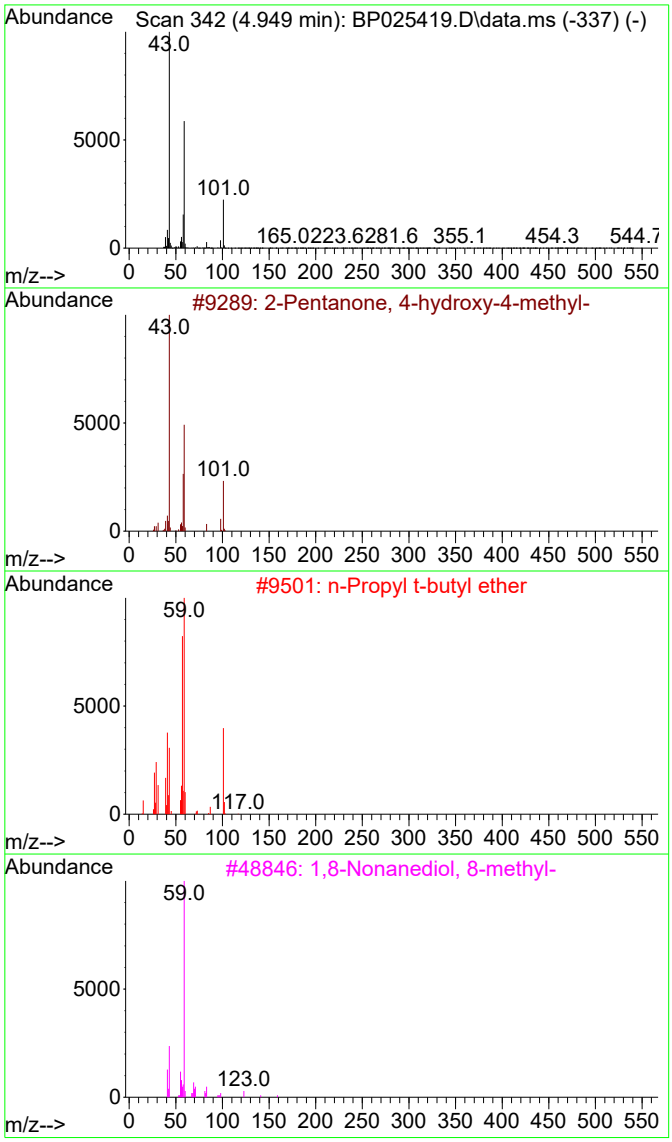
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

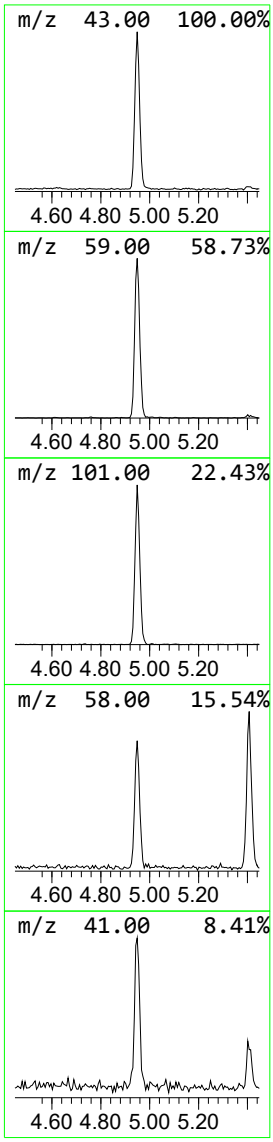
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	3.30 ng	145371	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4	1,2-Butanediol	90	C4H10O2	000584-03-2	17
5	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

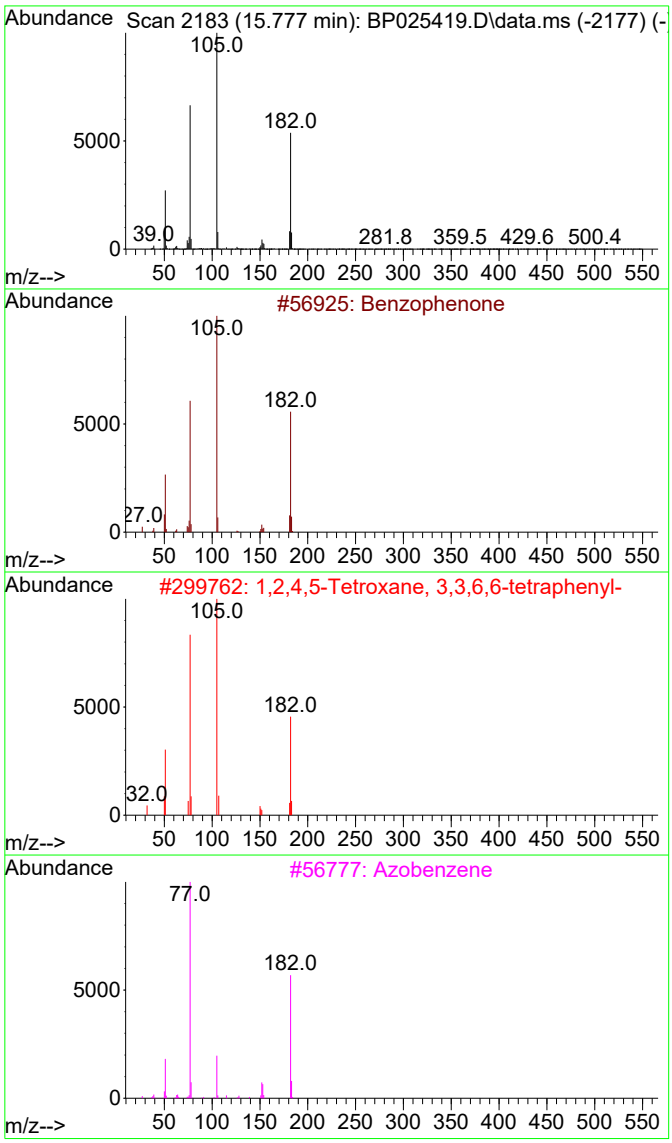
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

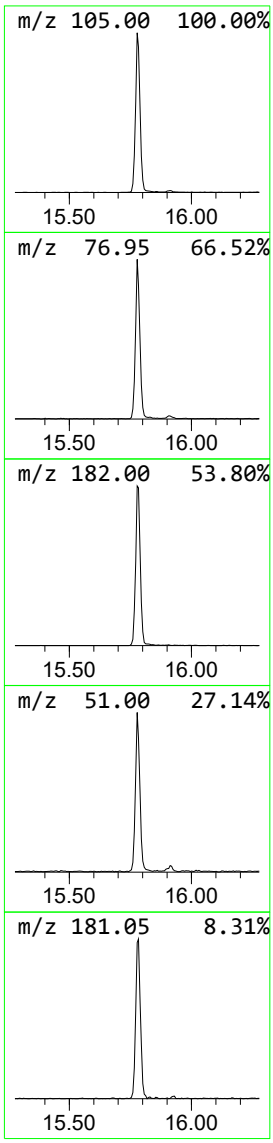
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.777	4.94 ng	407798	Acenaphthene-d10	14.401

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Azobenzene	182	C12H10N2	000103-33-3	59
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

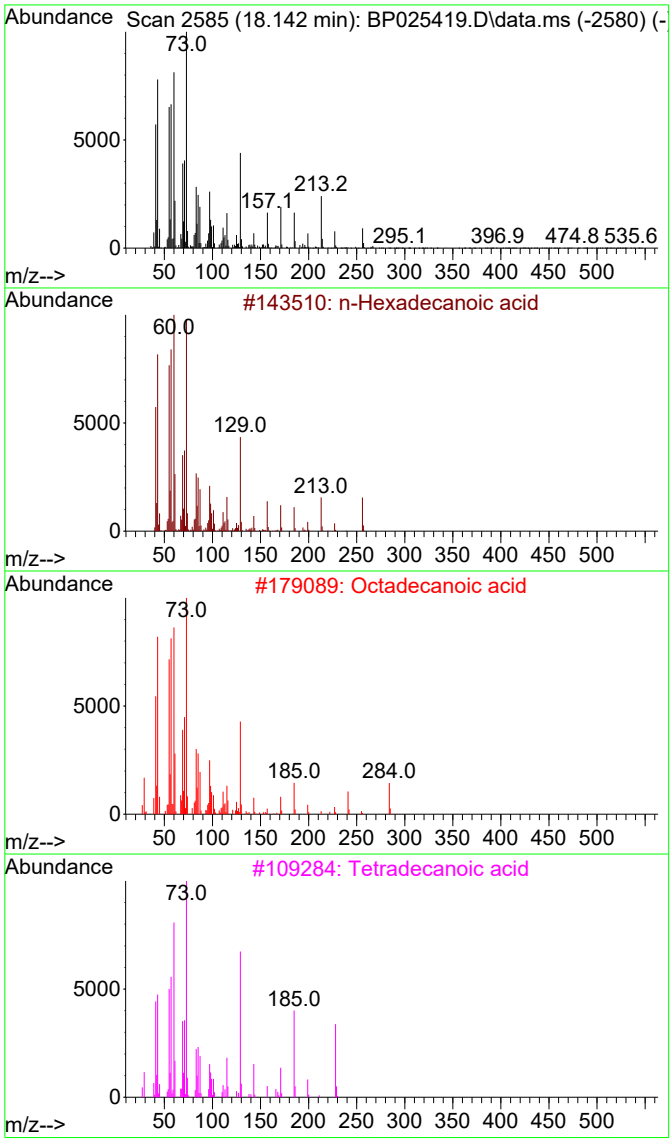
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

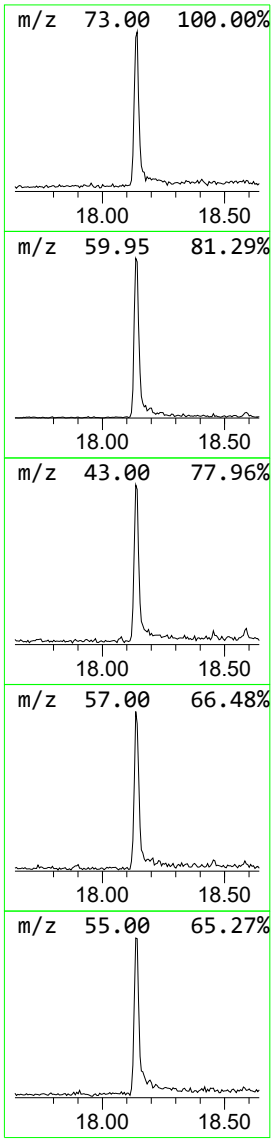
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.142	2.46 ng	256242	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

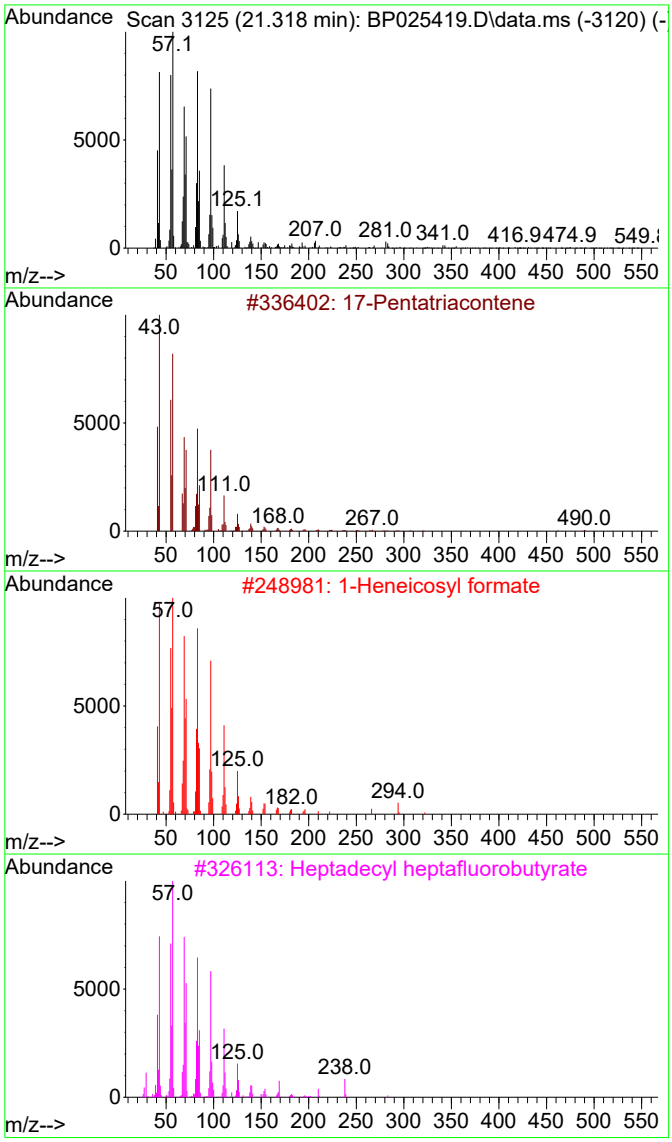
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

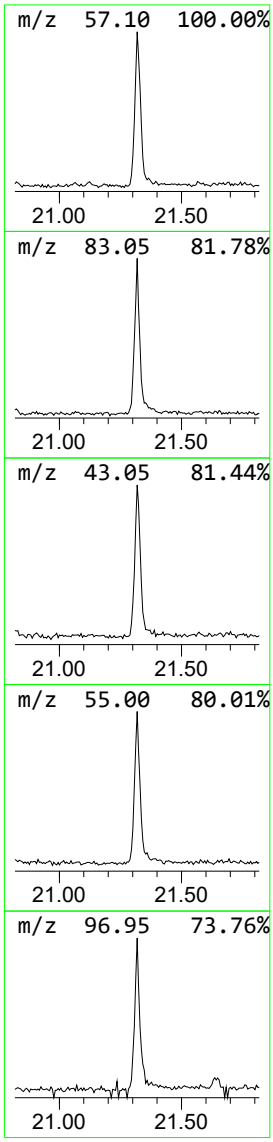
****

Peak Number 6 17-Pentatriacontene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.318	3.04 ng	398660	Chrysene-d12	21.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	96
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025419.D
Acq On : 15 Aug 2025 08:32
Operator : CG/JU
Sample : Q2820-20
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	19.6	ng	865249	1	7.790	881808	20.0
2-Pentanone, 4-...	4.949	3.3	ng	145371	1	7.790	881808	20.0
Benzophenone	15.777	4.9	ng	407798	3	14.401	1649800	20.0
n-Hexadecanoic ...	18.142	2.5	ng	256242	4	17.201	2082330	20.0
17-Pentatriacon...	21.318	3.0	ng	398660	5	21.642	2627040	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	56.2		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	56.1		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.4	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	29.8	*	44 - 115		30%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.6	*	39 - 132		38%	SPK: 150
1718-51-0	Terphenyl-d14	30.4	*	54 - 127		30%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000	7.784				
1146-65-2	Naphthalene-d8	610000	10.554				
15067-26-2	Acenaphthene-d10	414000	14.395				
1517-22-2	Phenanthrene-d10	942000	17.189				
1719-03-5	Chrysene-d12	1110000	21.63				
1520-96-3	Perylene-d12	1190000	25.001				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025482.D
Acq On : 19 Aug 2025 18:58
Operator : CG/JU
Sample : Q2820-20RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Quant Time: Aug 20 02:24:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

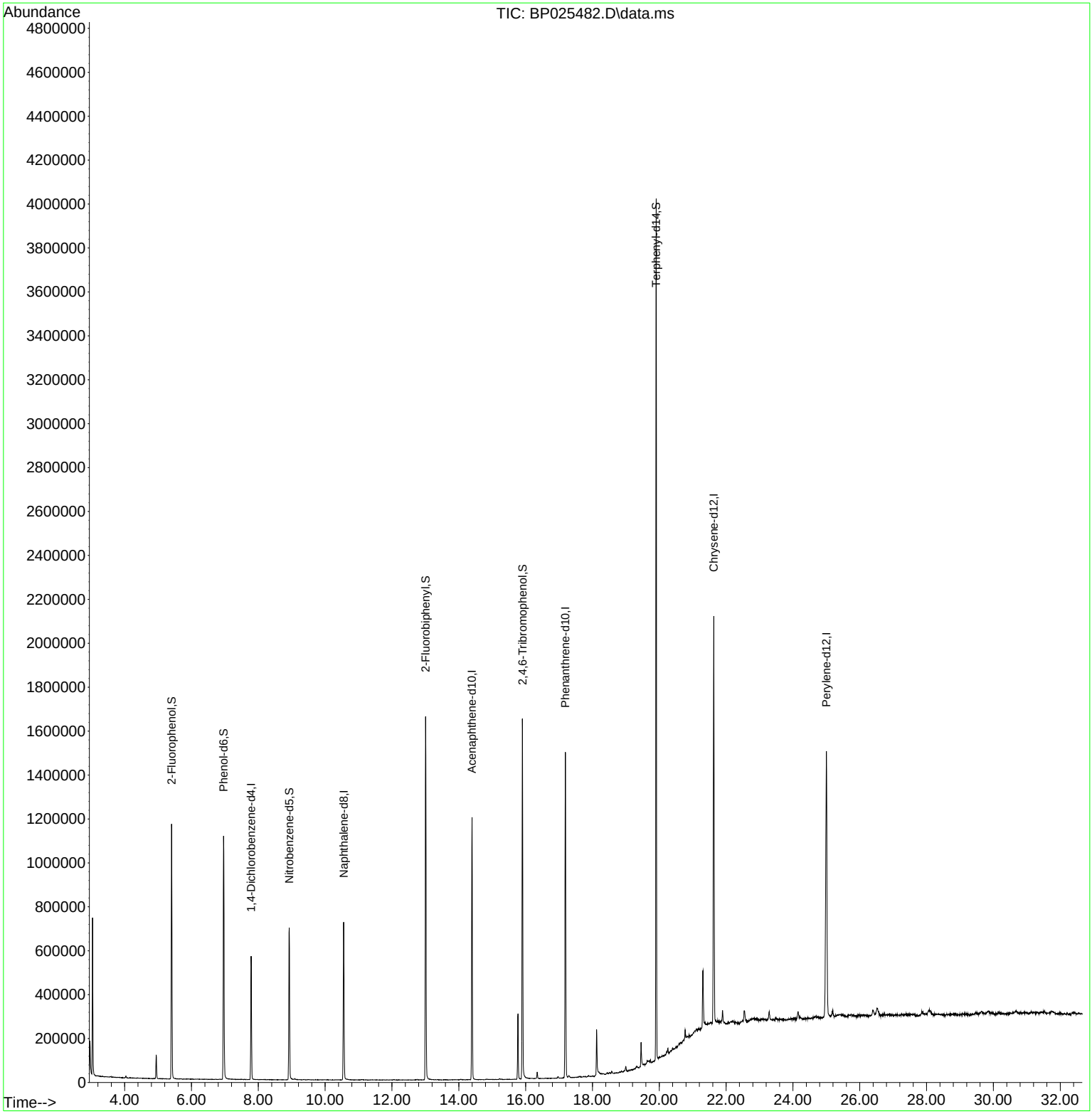
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	154647	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	609725	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	414467	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	941825	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	1107741	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1188648	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	523229	56.188	ng	0.00
7) Phenol-d6	6.960	99	669597	56.085	ng	0.00
23) Nitrobenzene-d5	8.925	82	415109	34.439	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	321497	57.629	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	905096	29.845	ng	-0.01
79) Terphenyl-d14	19.907	244	1838762	30.369	ng	-0.01
Target Compounds						Qvalue

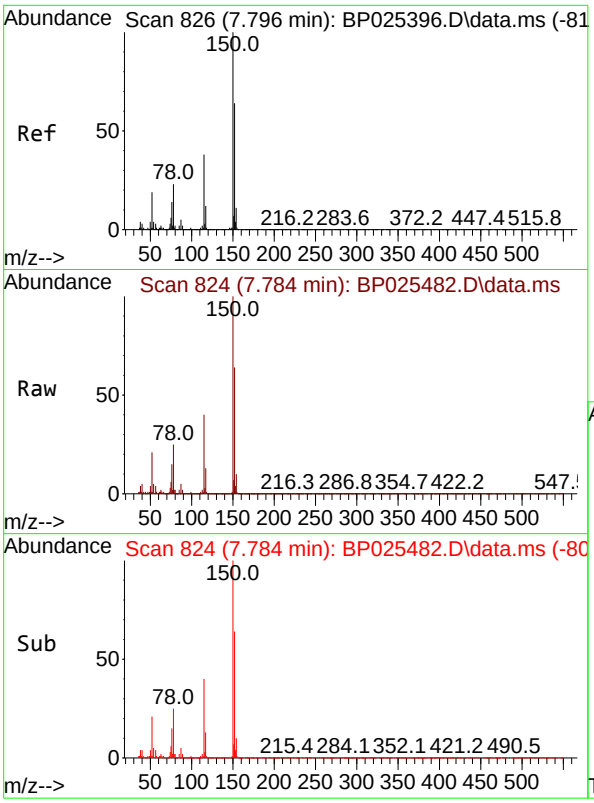
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025482.D
Acq On : 19 Aug 2025 18:58
Operator : CG/JU
Sample : Q2820-20RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Quant Time: Aug 20 02:24:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



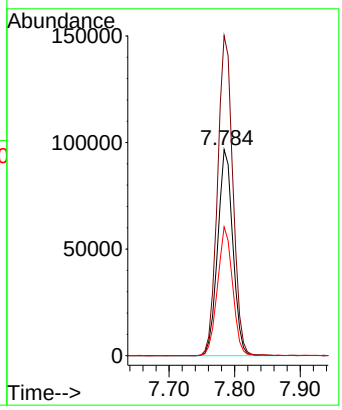


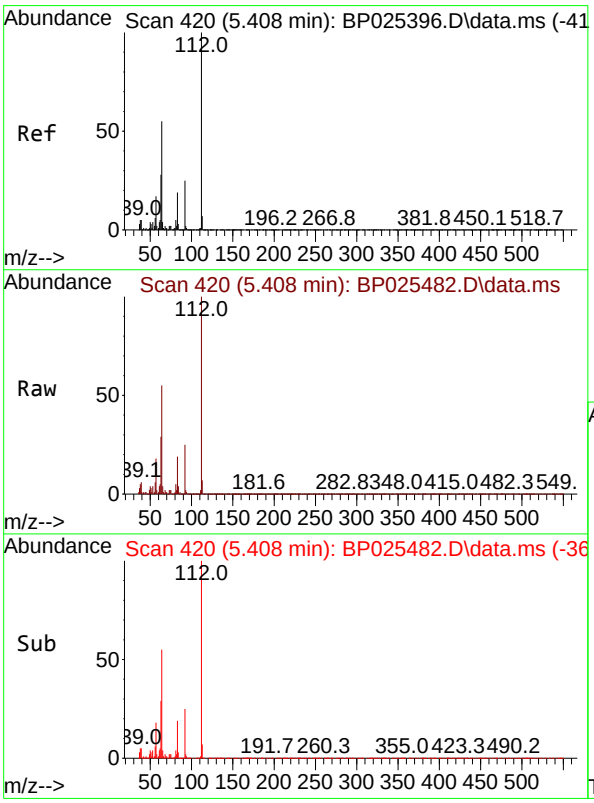
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion:152 Resp: 154647

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	62.5	48.5	72.7

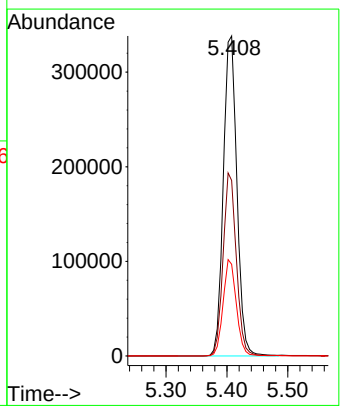


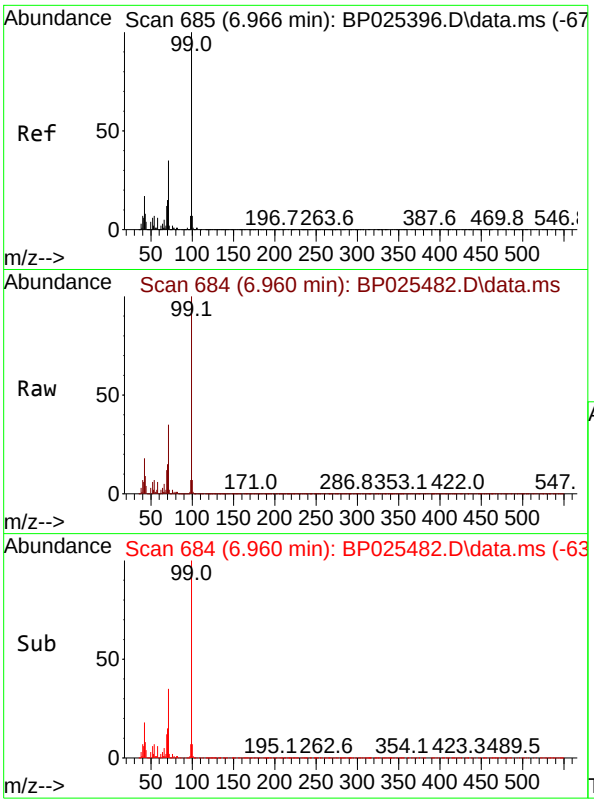


#5
2-Fluorophenol
Concen: 56.188 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:112 Resp: 523229

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.8
63	28.6	22.7	34.1



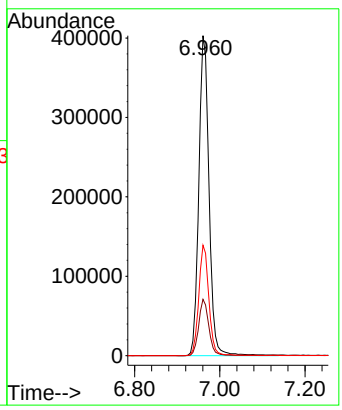


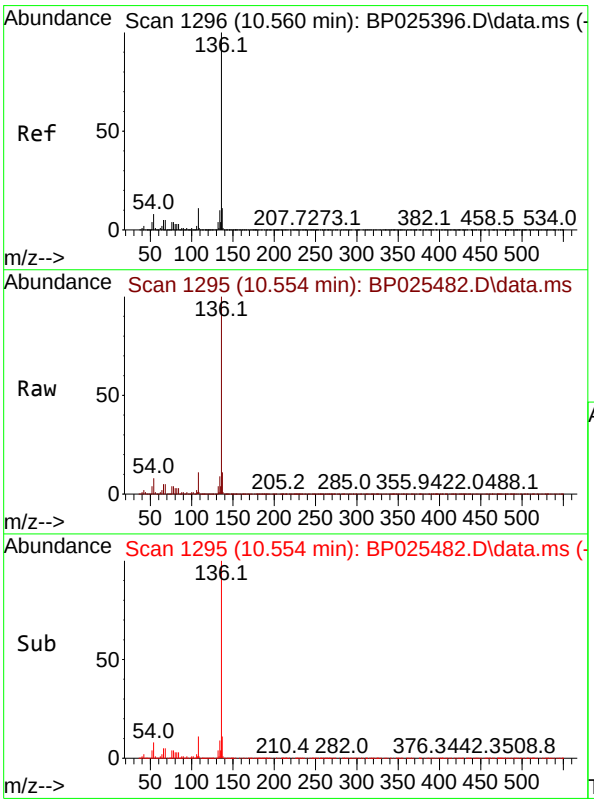
#7
Phenol-d6
Concen: 56.085 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion: 99 Resp: 669597

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.7	20.5
71	34.5	28.2	42.4

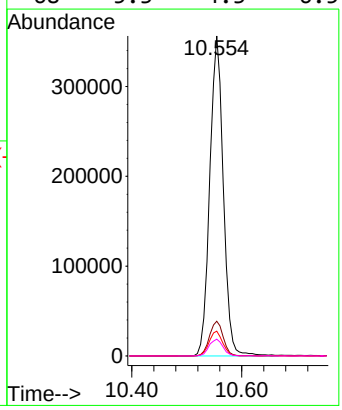


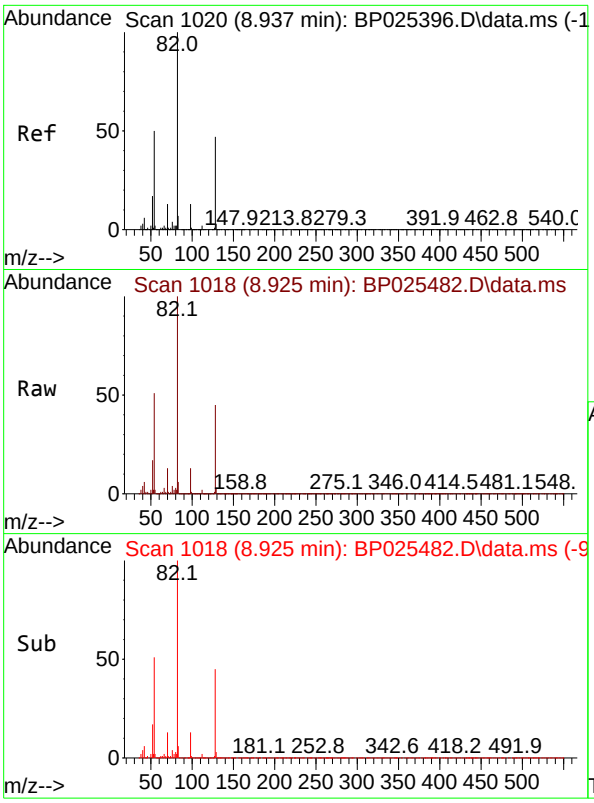


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:136 Resp: 609725

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.8	6.0	9.0
68	5.3	4.3	6.5



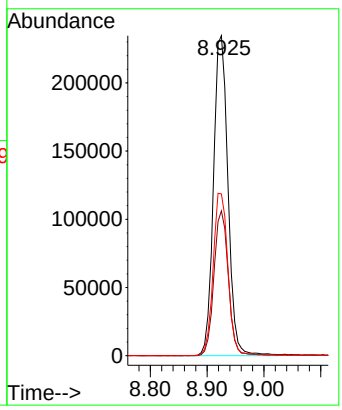


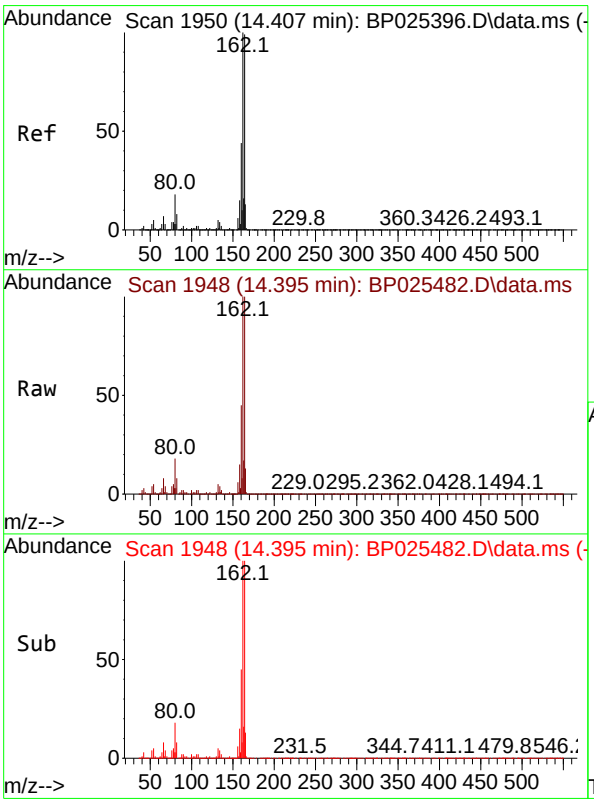
#23
Nitrobenzene-d5
Concen: 34.439 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion: 82 Resp: 415109

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.7	56.5
54	50.6	39.8	59.6

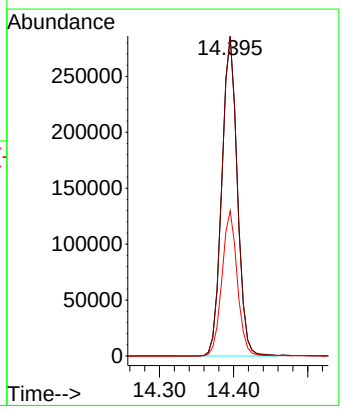


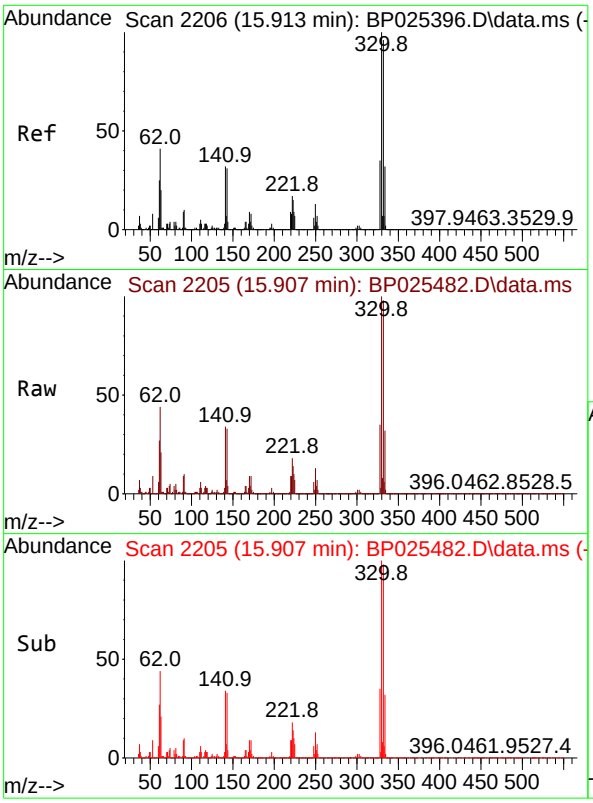


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:164 Resp: 414467

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.6
160	45.6	35.4	53.2



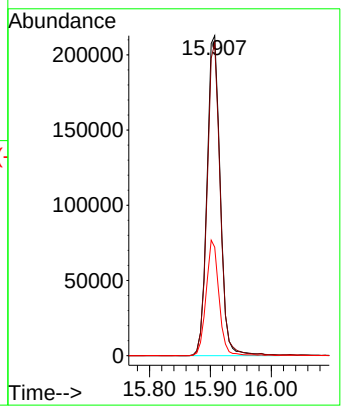


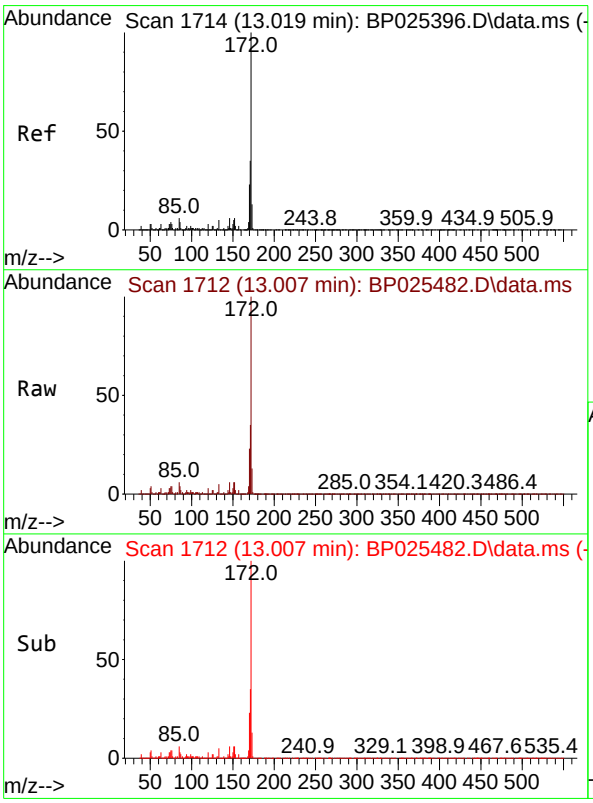
#42
2,4,6-Tribromophenol
Concen: 57.629 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion:330 Resp: 321497

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	35.1	26.6	39.8

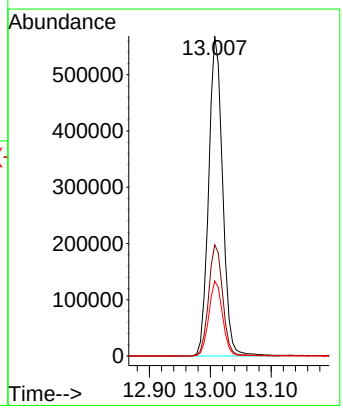


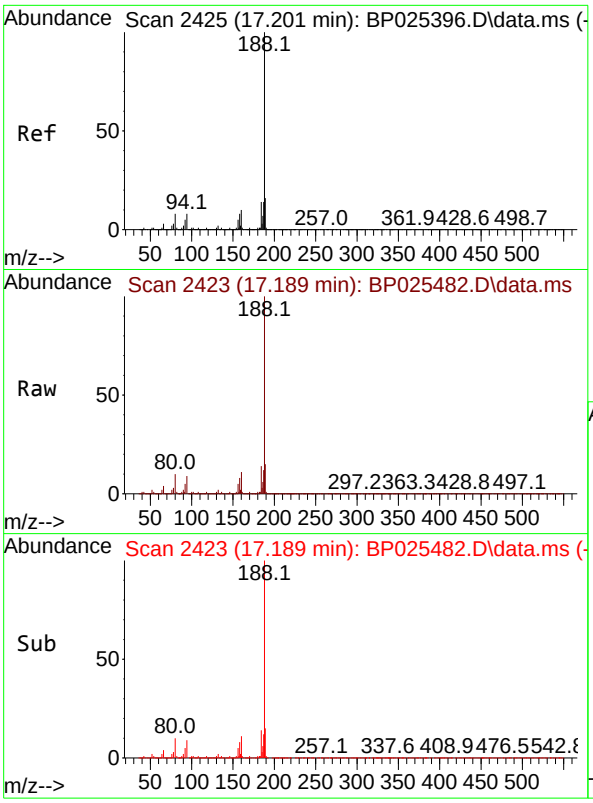


#45
2-Fluorobiphenyl
Concen: 29.845 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:172 Resp: 905096

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.4	18.6	28.0



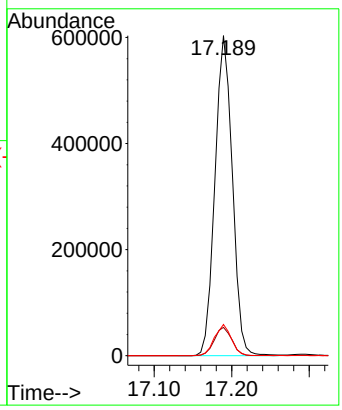


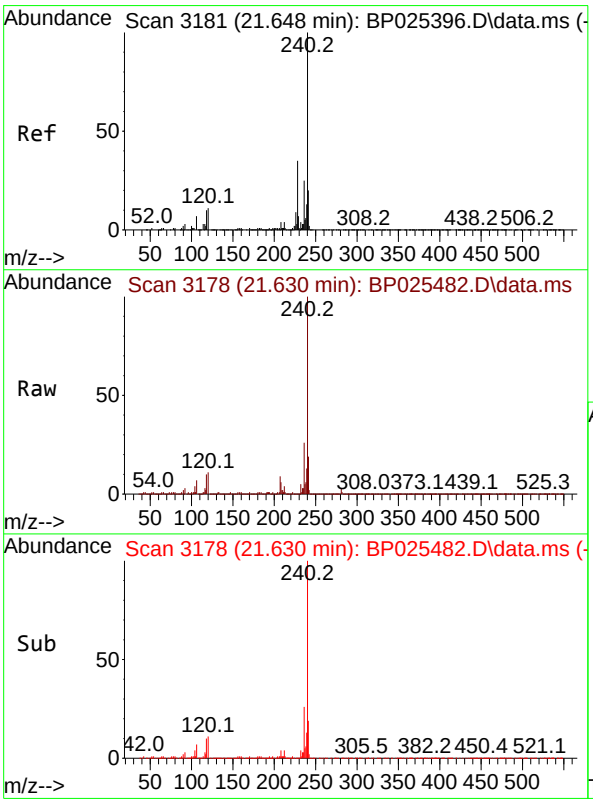
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion:188 Resp: 941825

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.8	6.7	10.1

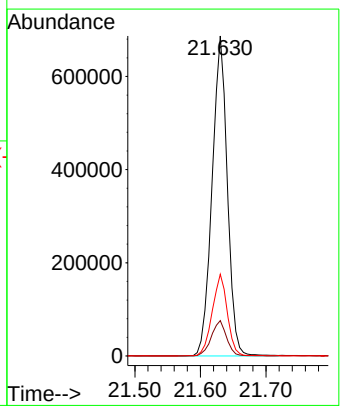


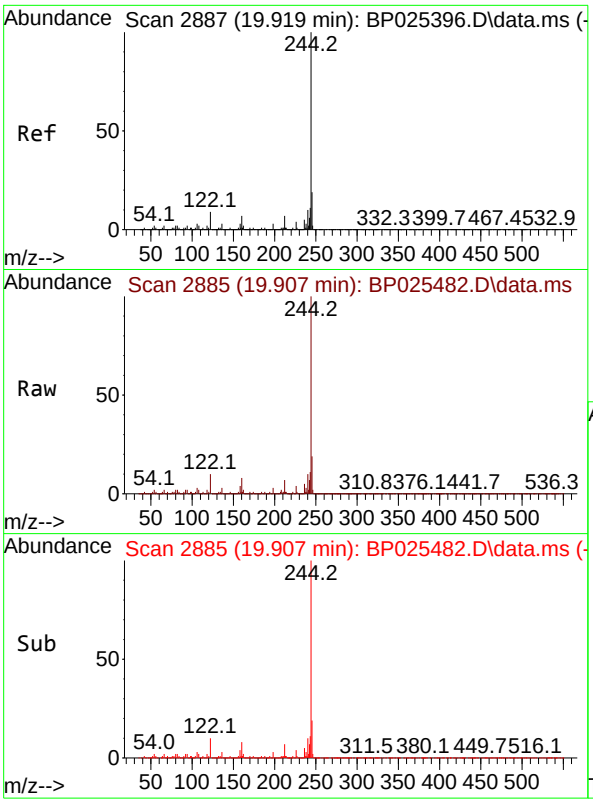


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:240 Resp: 1107741

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.6	19.8	29.8



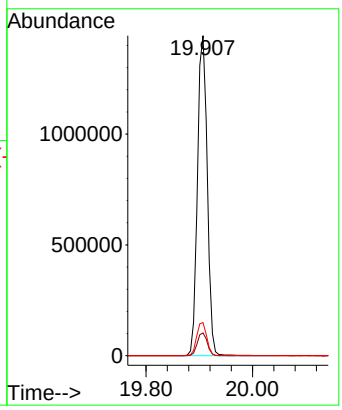


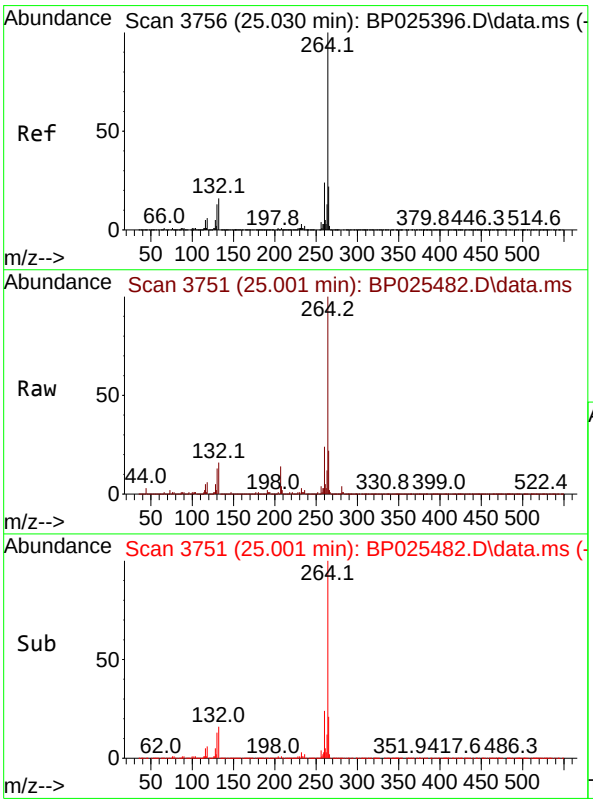
#79
Terphenyl-d14
Concen: 30.369 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Instrument :
BNA_P
ClientSampleId :
88H-SRE

Tgt Ion:244 Resp: 1838762

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	10.4	7.4	11.2

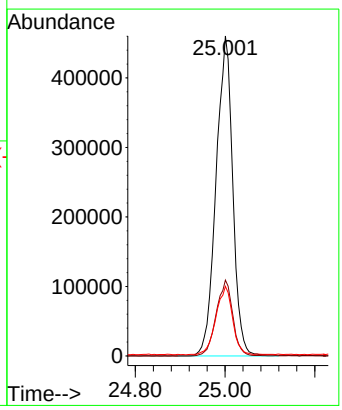




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025482.D
Acq: 19 Aug 2025 18:58

Tgt Ion:264 Resp: 1188648

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.8	17.4	26.0



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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.5		35 - 115		47%	SPK: 150
13127-88-3	Phenol-d6	70.7		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	38.7	*	54 - 127		39%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	132000	7.79				
1146-65-2	Naphthalene-d8	525000	10.56				
15067-26-2	Acenaphthene-d10	351000	14.395				
1517-22-2	Phenanthrene-d10	741000	17.195				
1719-03-5	Chrysene-d12	857000	21.636				
1520-96-3	Perylene-d12	991000	25.006				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	910	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	AB			4.95	ug/Kg
000119-61-9	Benzophenone	190	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	99.3	J			18.1	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Time: Aug 15 05:04:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

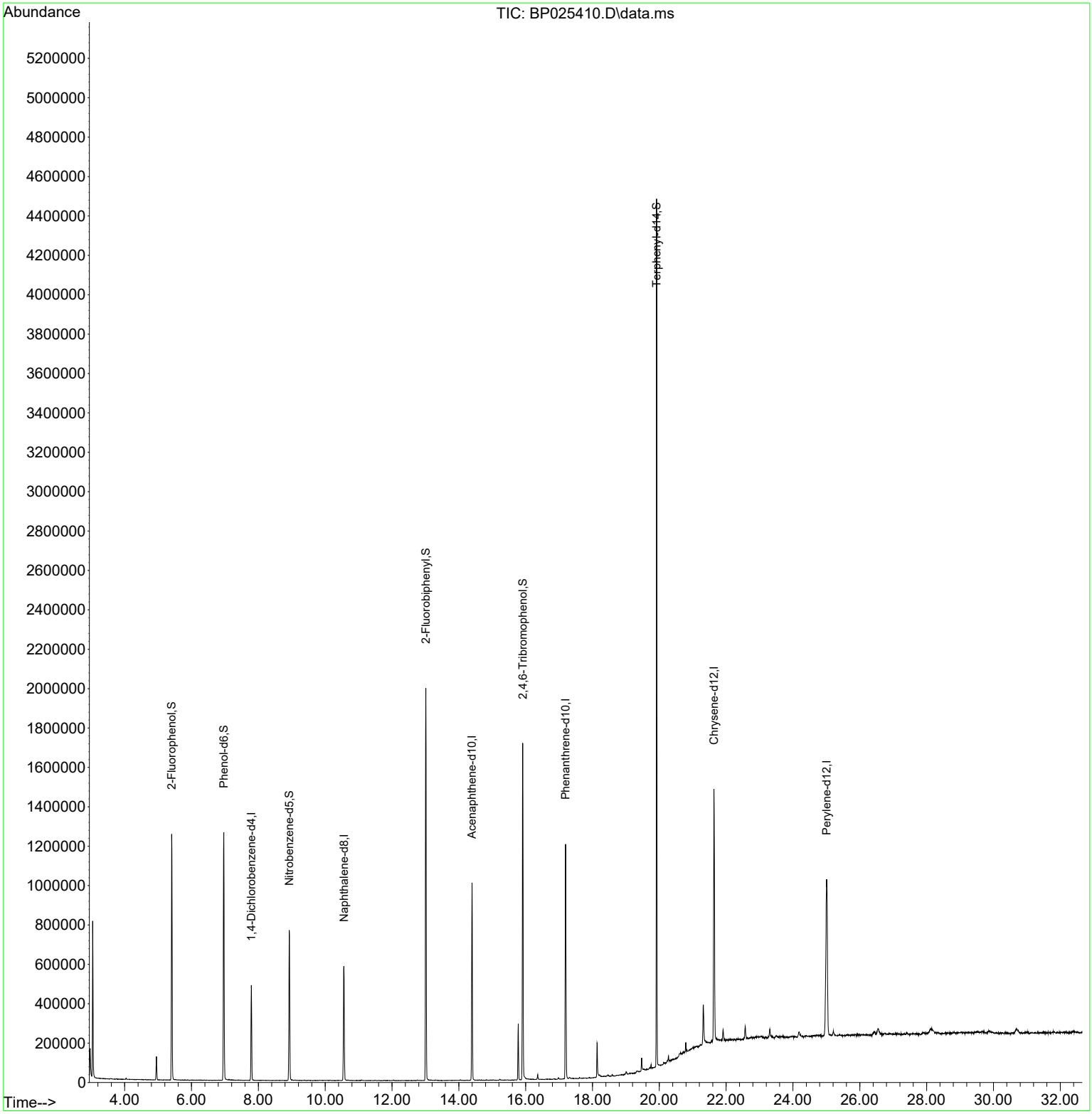
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	132261	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	525320	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	350732	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	741199	20.000	ng	0.00
76) Chrysene-d12	21.636	240	856544	20.000	ng	-0.01
86) Perylene-d12	25.006	264	990692	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	561530	70.507	ng	0.00
7) Phenol-d6	6.966	99	721723	70.683	ng	0.00
23) Nitrobenzene-d5	8.925	82	450791	43.409	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	336656	71.312	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1027616	40.043	ng	0.00
79) Terphenyl-d14	19.918	244	1809516	38.651	ng	0.00
Target Compounds						Qvalue

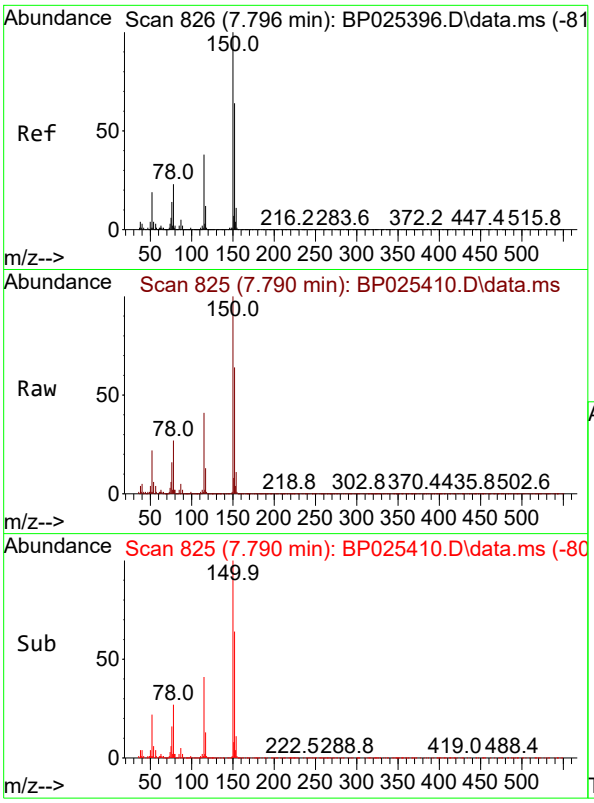
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Time: Aug 15 05:04:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



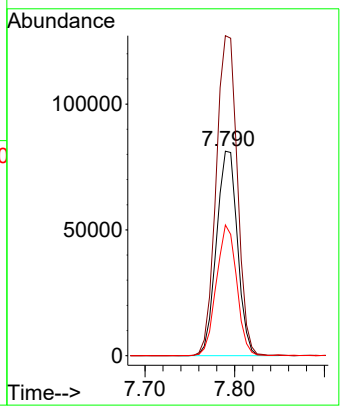


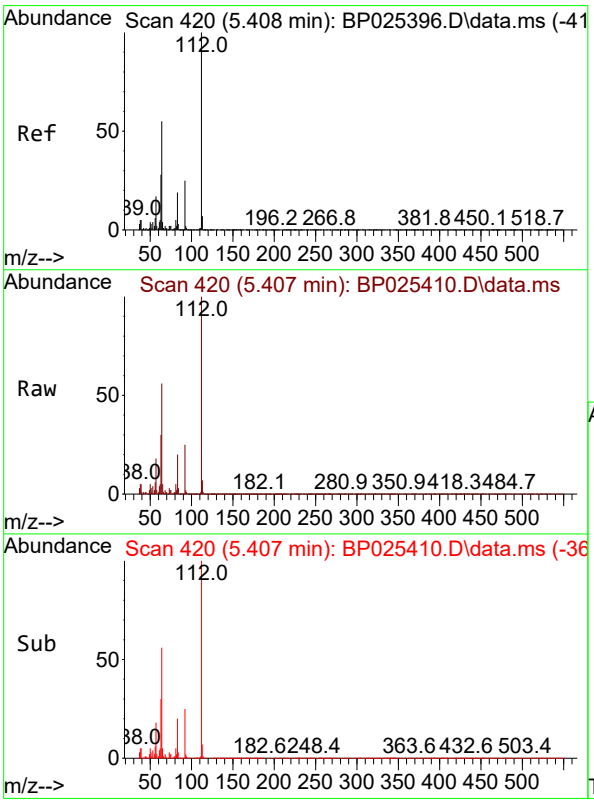
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion:152 Resp: 132261

Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.9	188.9
115	63.9	48.5	72.7

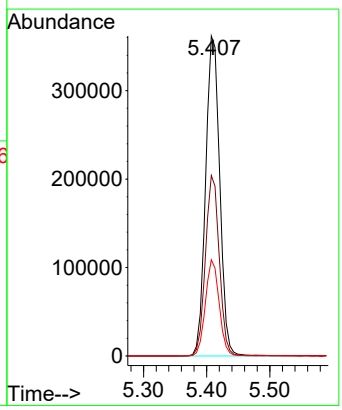


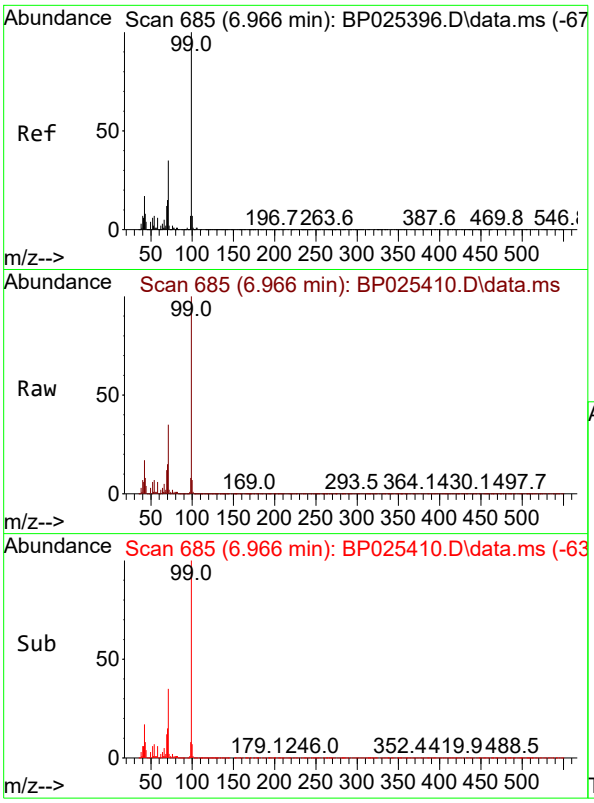


#5
2-Fluorophenol
Concen: 70.507 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:112 Resp: 561530

Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.8	65.8
63	30.0	22.7	34.1



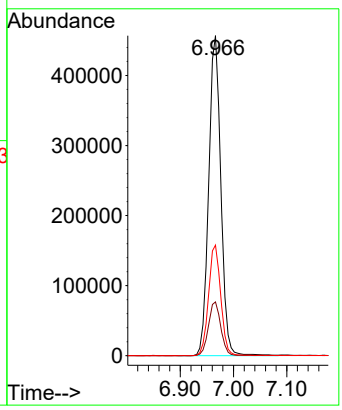


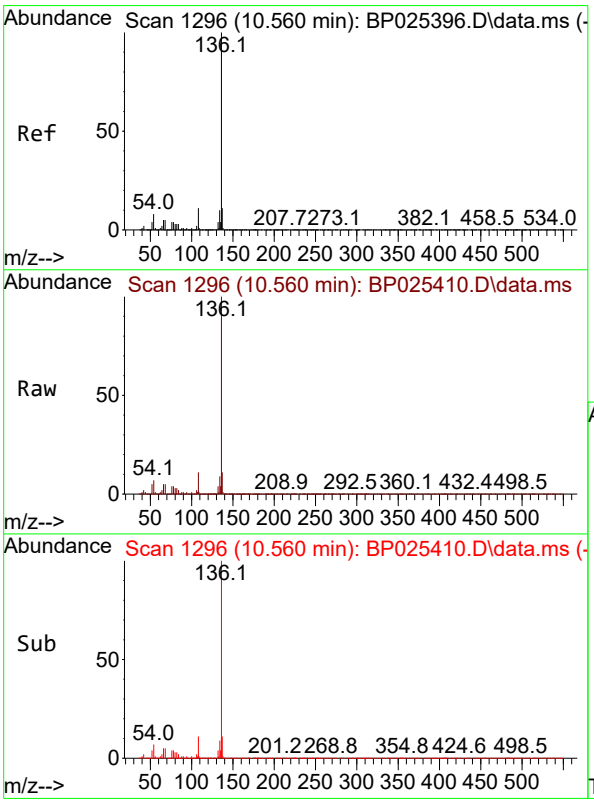
#7
Phenol-d6
Concen: 70.683 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion: 99 Resp: 721723

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.7	20.5
71	34.6	28.2	42.4

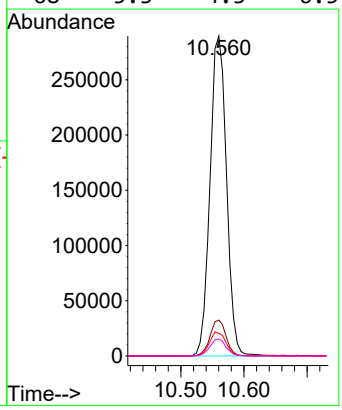


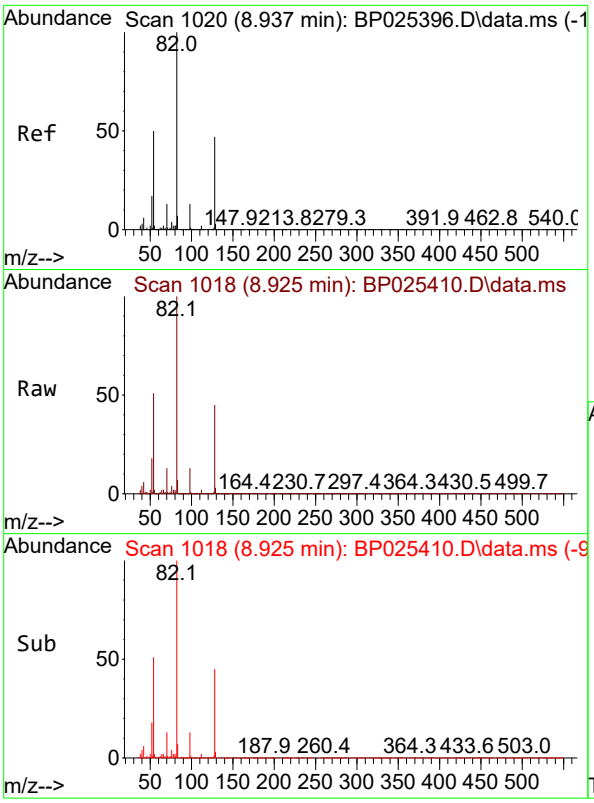


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:136 Resp: 525320

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.1	6.0	9.0
68	5.3	4.3	6.5



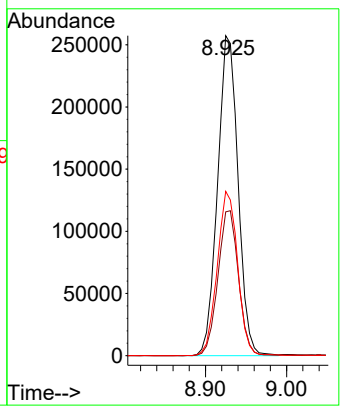


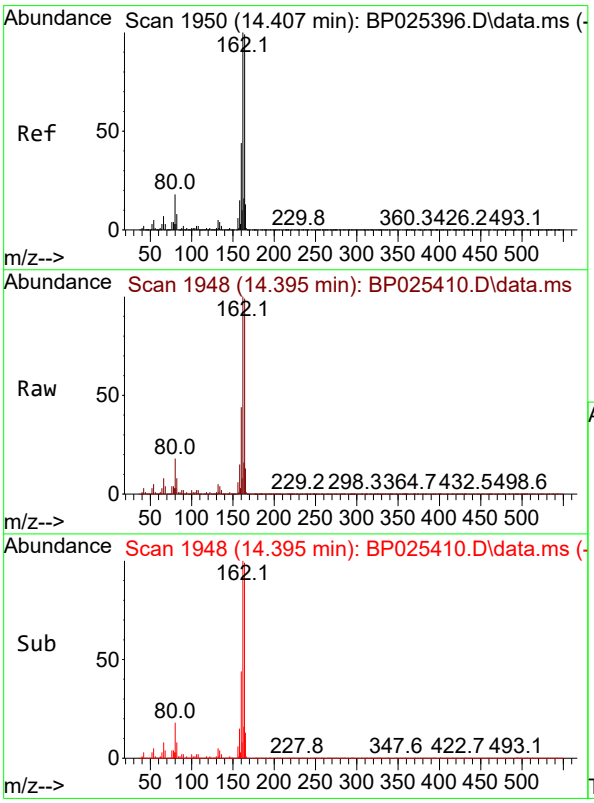
#23
Nitrobenzene-d5
Concen: 43.409 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion: 82 Resp: 450791

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.7	56.5
54	51.3	39.8	59.6

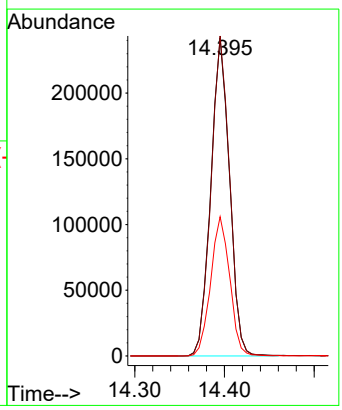


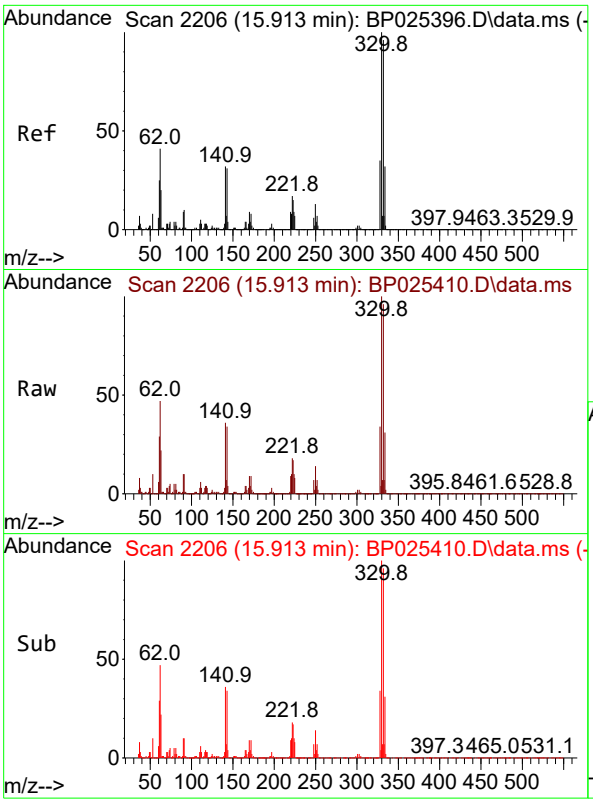


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:164 Resp: 350732

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.0	121.6
160	43.8	35.4	53.2



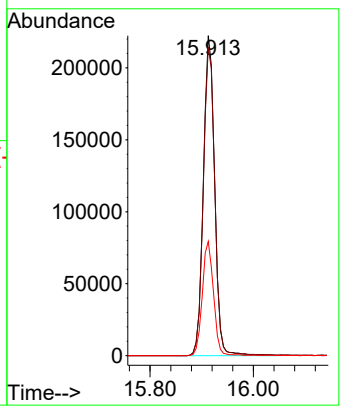


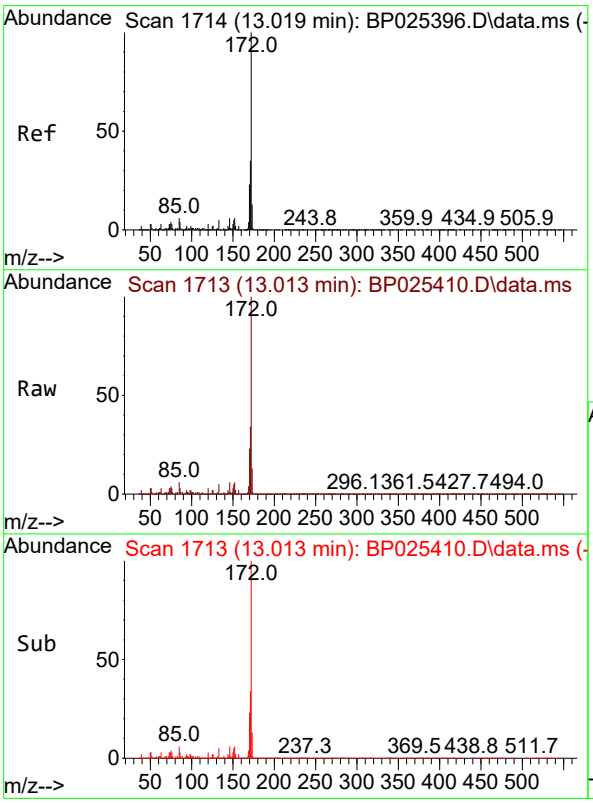
#42
2,4,6-Tribromophenol
Concen: 71.312 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion:330 Resp: 336656

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.3	115.9
141	35.6	26.6	39.8

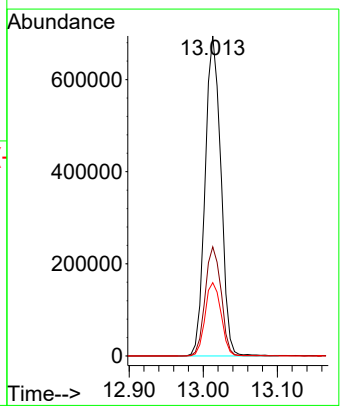


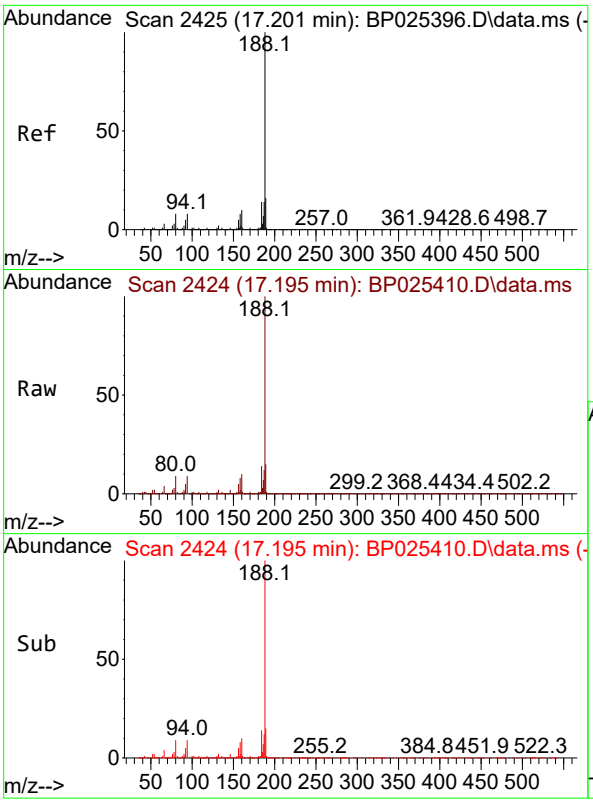


#45
2-Fluorobiphenyl
Concen: 40.043 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:172 Resp: 1027616

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	22.9	18.6	28.0



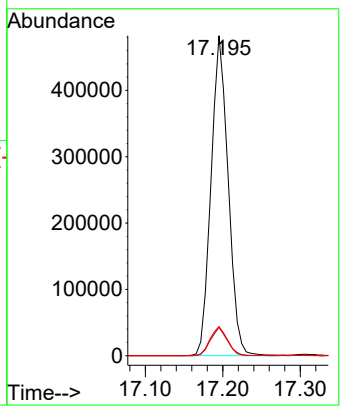


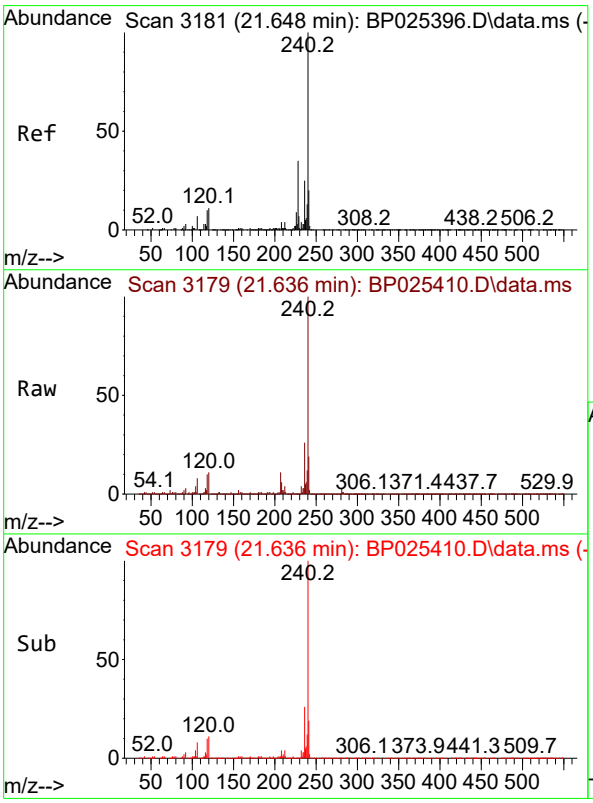
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion:188 Resp: 741199

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.1	6.7	10.1

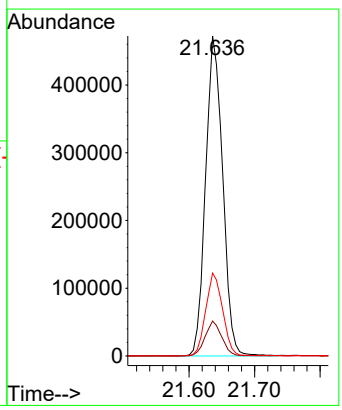


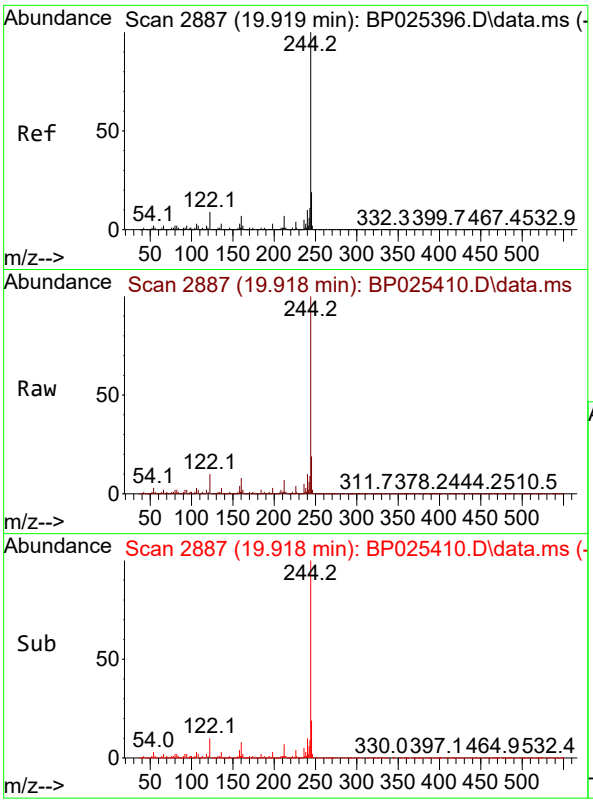


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:240 Resp: 856544

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.9	19.8	29.8



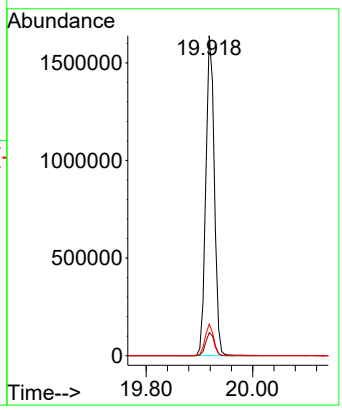


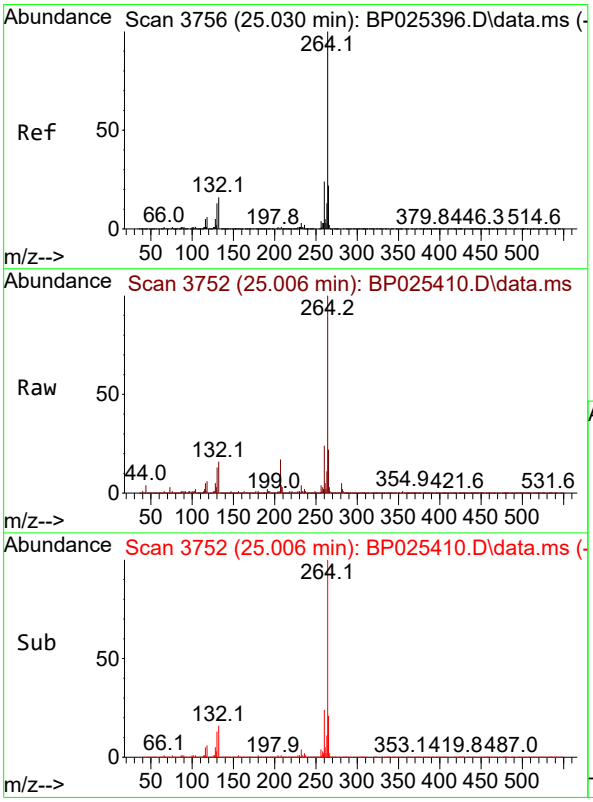
#79
Terphenyl-d14
Concen: 38.651 ng
RT: 19.918 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Instrument :
BNA_P
ClientSampleId :
22M-N

Tgt Ion:244 Resp: 1809516

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.9	7.4	11.2

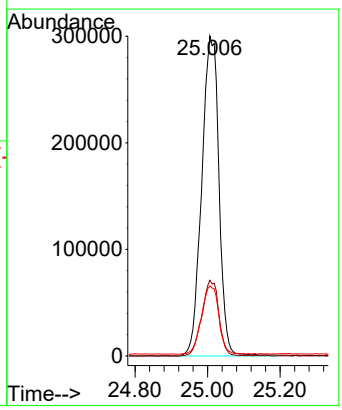




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025410.D
Acq: 15 Aug 2025 02:22

Tgt Ion:264 Resp: 990692

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.9	17.4	26.0



Sample Results: **BP025410.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025410.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.966	3	5	13	rVB	140530	188694	3.86%	0.668%
2	3.043	13	18	27	rVB	792992	978724	20.02%	3.462%
3	4.949	337	342	349	rBV	118180	166698	3.41%	0.590%
4	5.407	414	420	429	rBV	1247403	1906730	39.00%	6.745%
5	6.966	676	685	694	rBV	1259028	2006829	41.05%	7.099%
6	7.790	818	825	834	rBV	483781	777502	15.90%	2.750%
7	8.925	1008	1018	1029	rBV	763502	1349154	27.60%	4.773%
8	10.560	1283	1296	1308	rBV	582113	1071227	21.91%	3.790%
9	13.013	1706	1713	1726	rBV	1990933	2972864	60.81%	10.517%
10	14.395	1939	1948	1955	rBV	1004008	1478320	30.24%	5.230%
11	15.777	2175	2183	2191	rBV	285008	387440	7.93%	1.371%
12	15.913	2199	2206	2221	rBV	1709356	2603256	53.25%	9.209%
13	17.195	2417	2424	2439	rBV	1192601	1855156	37.95%	6.563%
14	18.136	2580	2584	2594	rBV	174134	255431	5.23%	0.904%
15	19.471	2807	2811	2819	rBV4	66326	101130	2.07%	0.358%
16	19.918	2882	2887	2896	rBV	4404976	4888513	100.00%	17.293%
17	20.795	3033	3036	3039	rVB2	45094	50675	1.04%	0.179%
18	21.318	3120	3125	3134	rBV2	193992	373577	7.64%	1.322%
19	21.636	3173	3179	3189	rBV	1271985	2303899	47.13%	8.150%
20	25.006	3742	3752	3766	rVB2	790429	2552188	52.21%	9.029%

Sum of corrected areas: 28268007

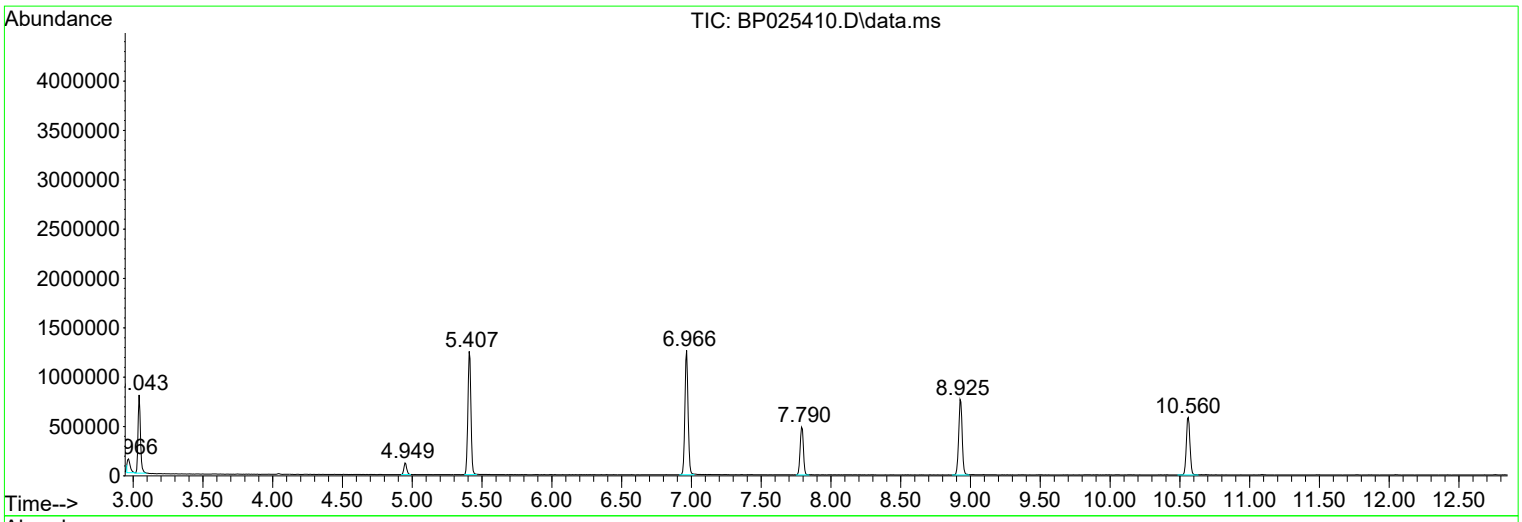
Sample Results: **BP025410.D**

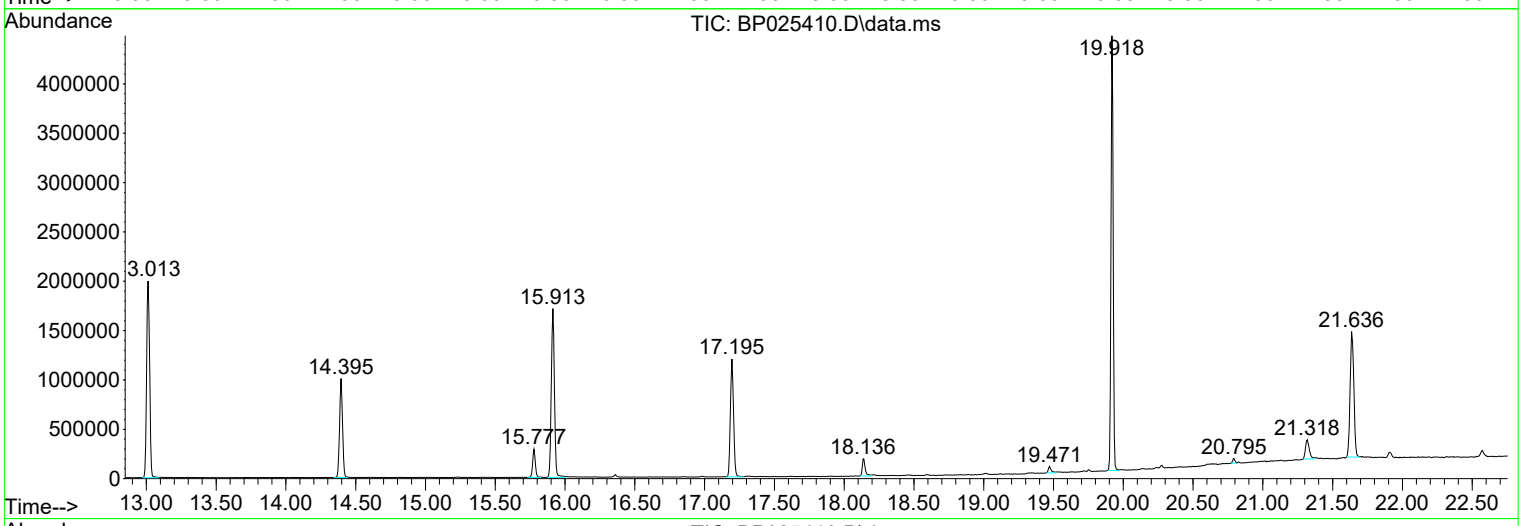
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

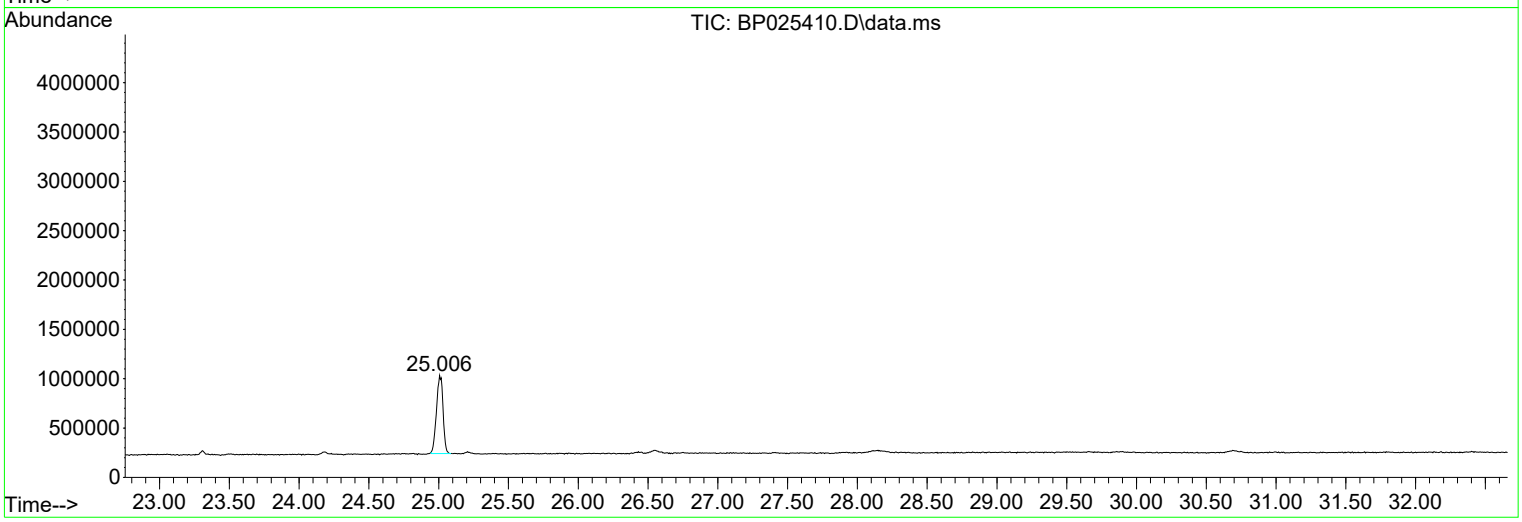
Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

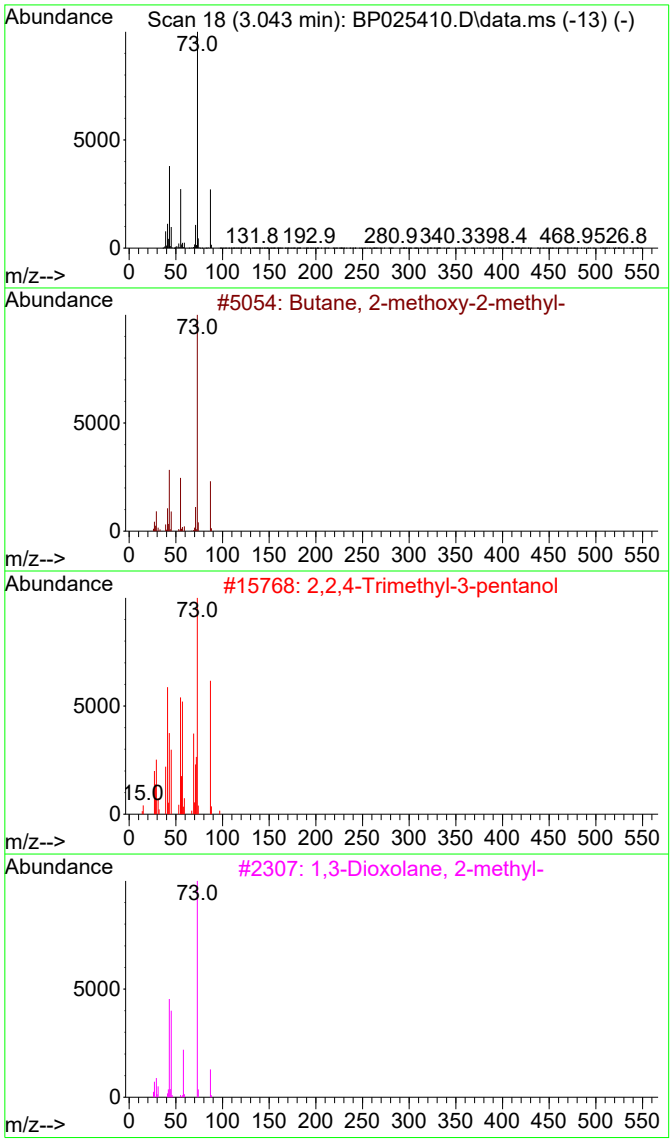
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

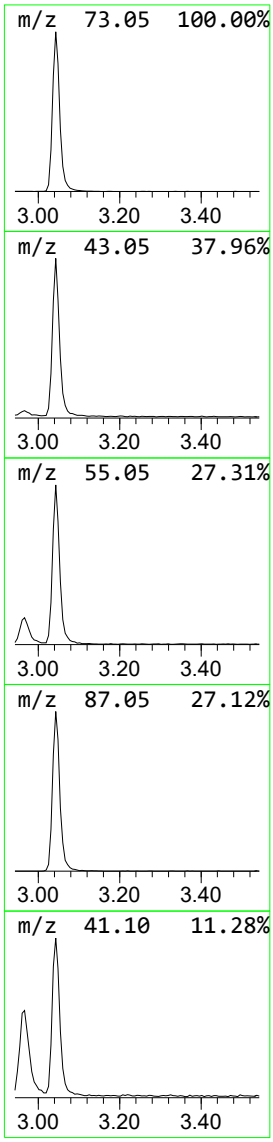
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	25.18 ng	978724	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

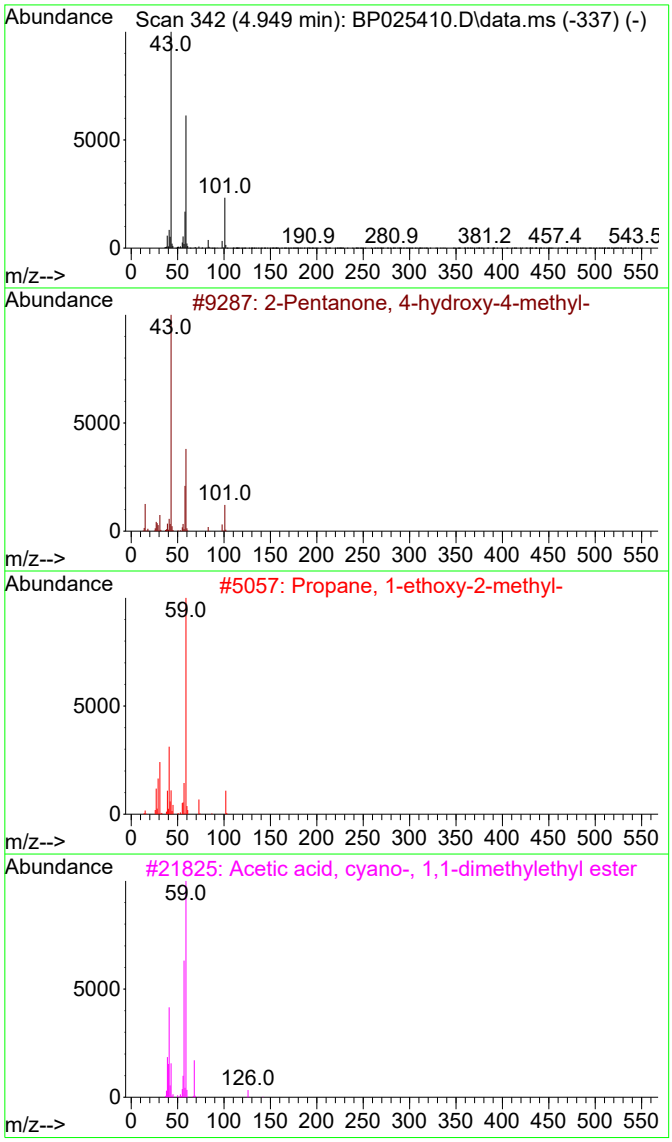
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

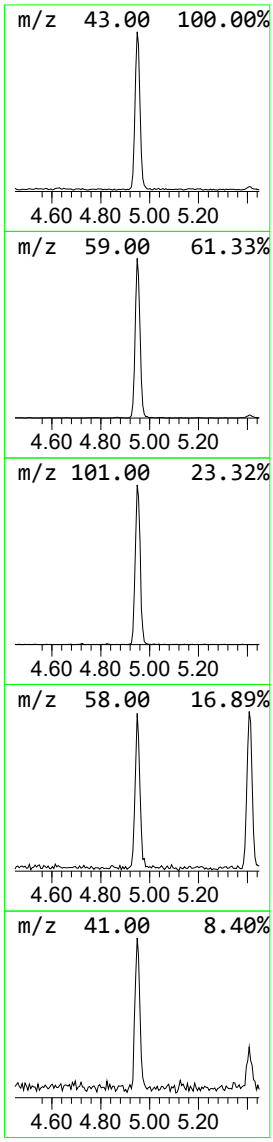
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.29 ng	166698	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

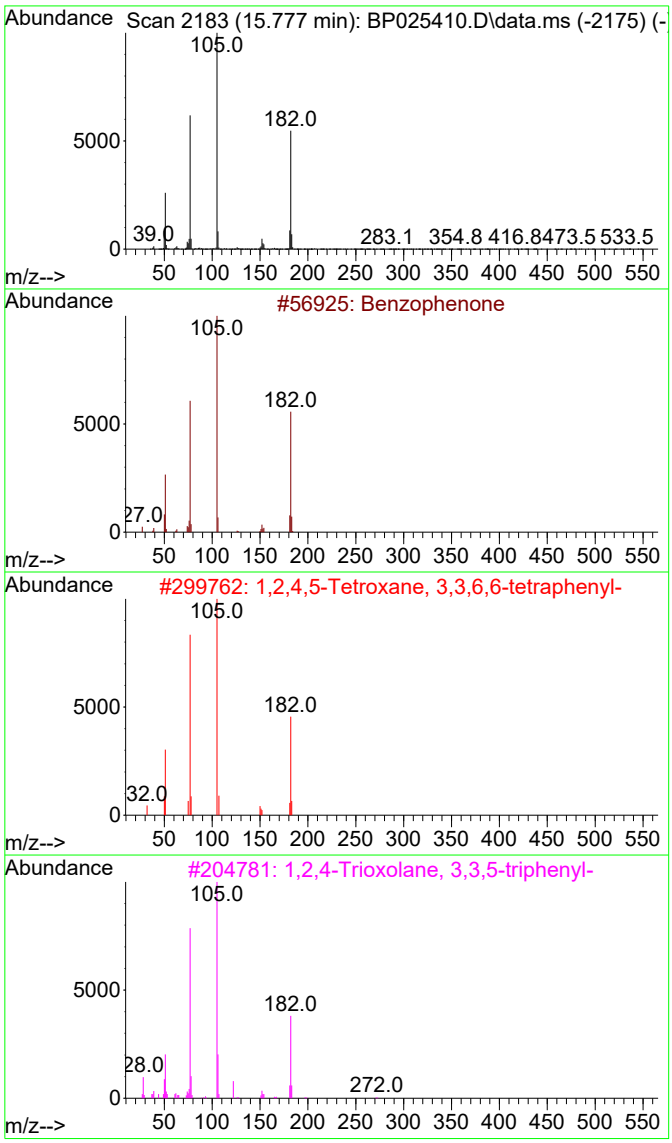
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

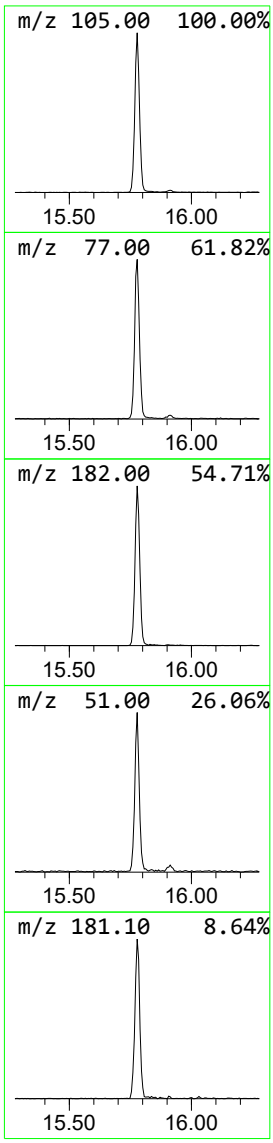
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.777	5.24 ng	387440	Acenaphthene-d10	14.395

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	56
3	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45
4	Azobenzene	182	C12H10N2	000103-33-3	45
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

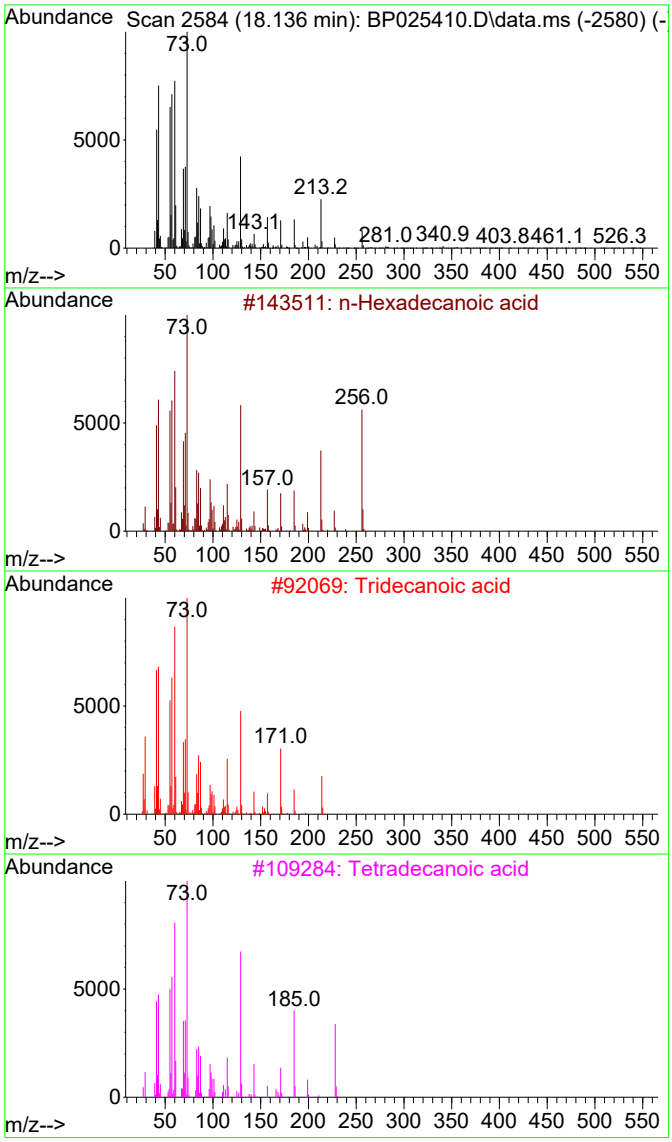
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

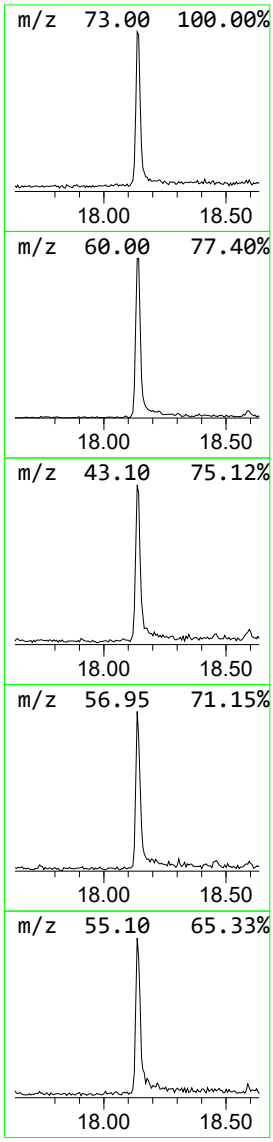
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	2.75 ng	255431	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

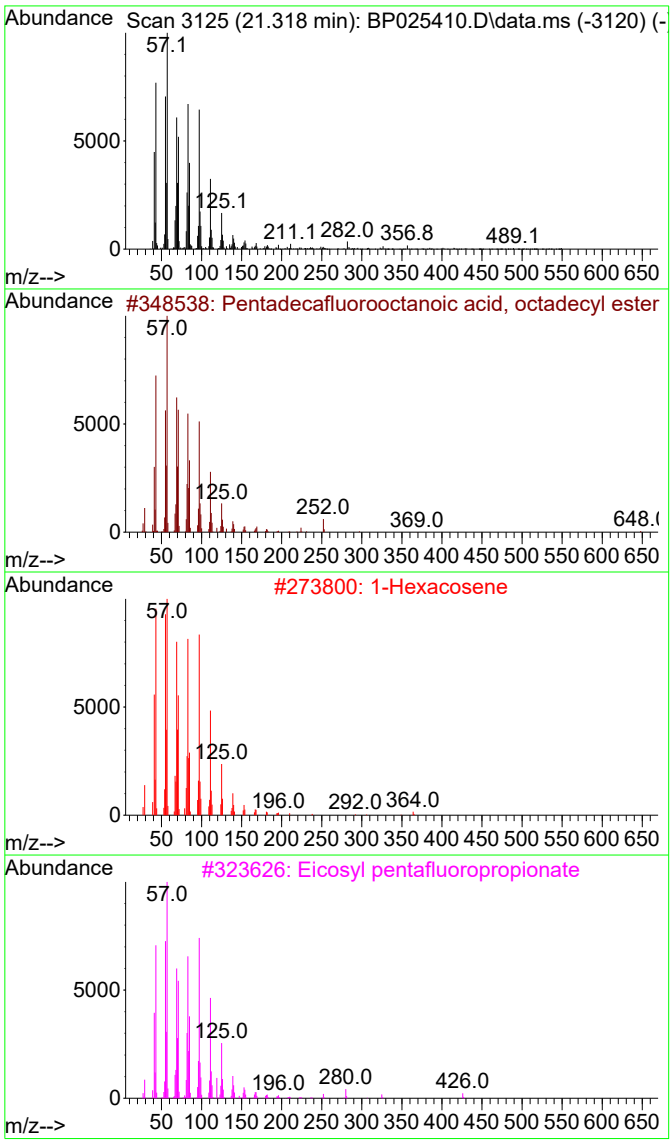
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

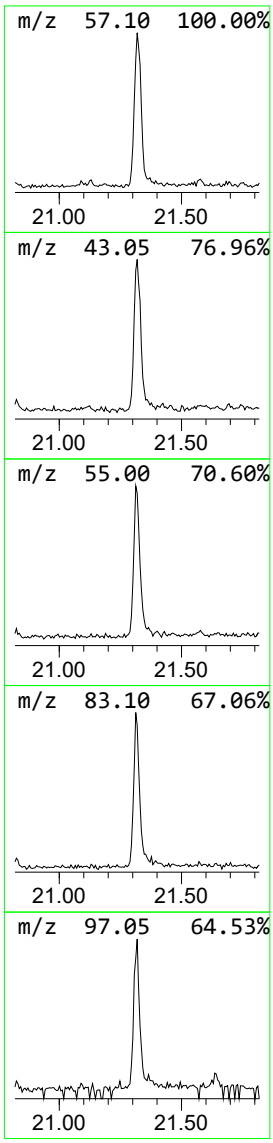
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.318	3.24 ng	373577	Chrysene-d12	21.636

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
2	1-Hexacosene	364	C26H52	018835-33-1	93
3	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025410.D
Acq On : 15 Aug 2025 02:22
Operator : CG/JU
Sample : Q2820-21
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	25.2	ng	978724	1	7.790	777502	20.0
2-Pentanone, 4-...	4.949	4.3	ng	166698	1	7.790	777502	20.0
Benzophenone	15.777	5.2	ng	387440	3	14.395	1478320	20.0
n-Hexadecanoic ...	18.136	2.8	ng	255431	4	17.195	1855160	20.0
Pentadecafluoro...	21.318	3.2	ng	373577	5	21.636	2303900	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.0		35 - 115		46%	SPK: 150
13127-88-3	Phenol-d6	70.8		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.4	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000	7.79				
1146-65-2	Naphthalene-d8	642000	10.554				
15067-26-2	Acenaphthene-d10	416000	14.395				
1517-22-2	Phenanthrene-d10	867000	17.189				
1719-03-5	Chrysene-d12	930000	21.618				
1520-96-3	Perylene-d12	1040000	24.989				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025434.D
Acq On : 15 Aug 2025 19:40
Operator : CG/JU
Sample : Q2820-21RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Quant Time: Aug 18 01:36:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

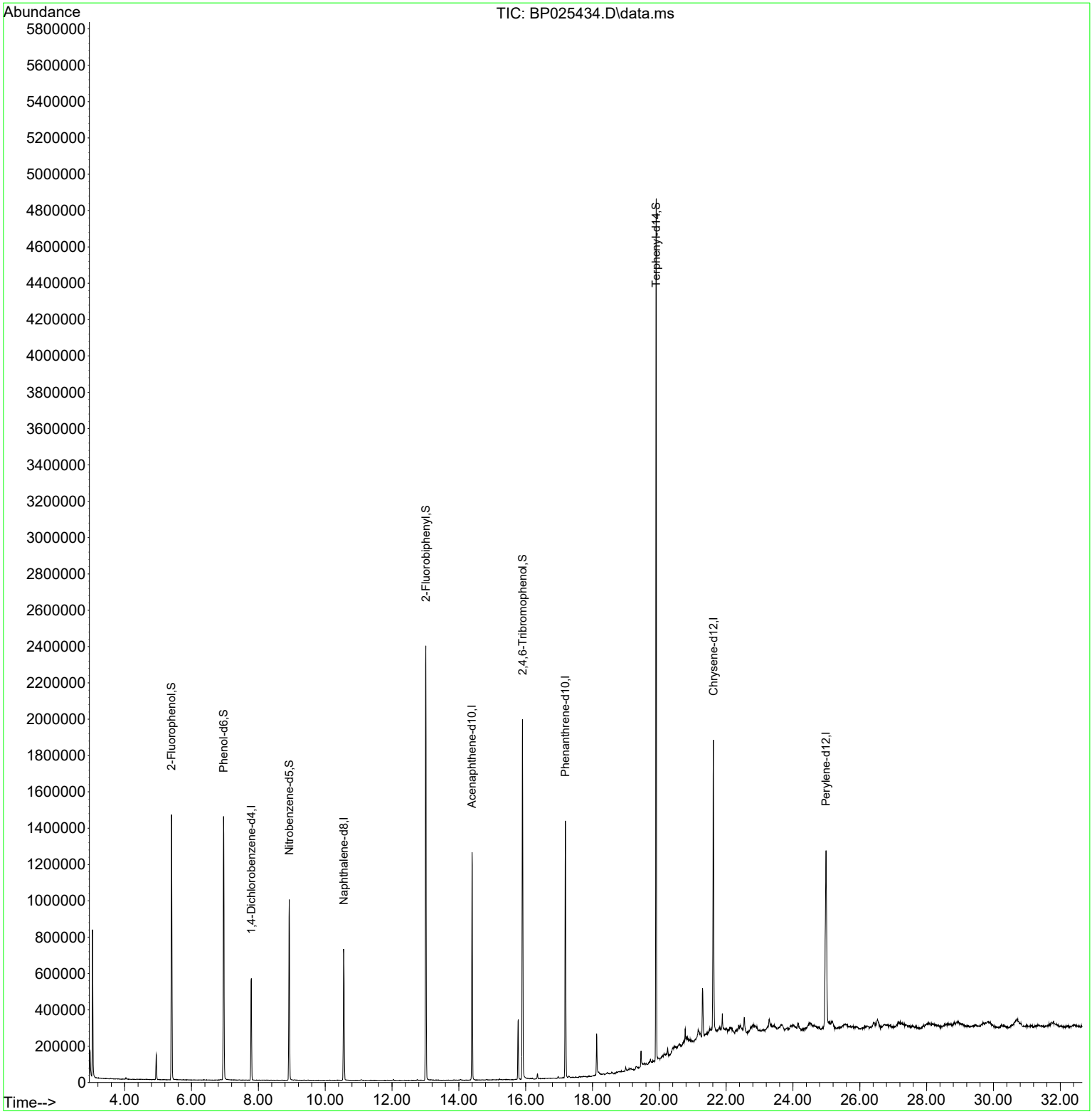
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	155082	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	641637	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	416468	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	866830	20.000	ng	-0.01
76) Chrysene-d12	21.618	240	930206	20.000	ng	-0.03
86) Perylene-d12	24.989	264	1040579	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	644660	69.034	ng	0.00
7) Phenol-d6	6.960	99	848161	70.842	ng	0.00
23) Nitrobenzene-d5	8.925	82	550431	43.395	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	399579	71.281	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1230492	40.380	ng	0.00
79) Terphenyl-d14	19.907	244	2094015	41.186	ng	-0.01
Target Compounds						Qvalue

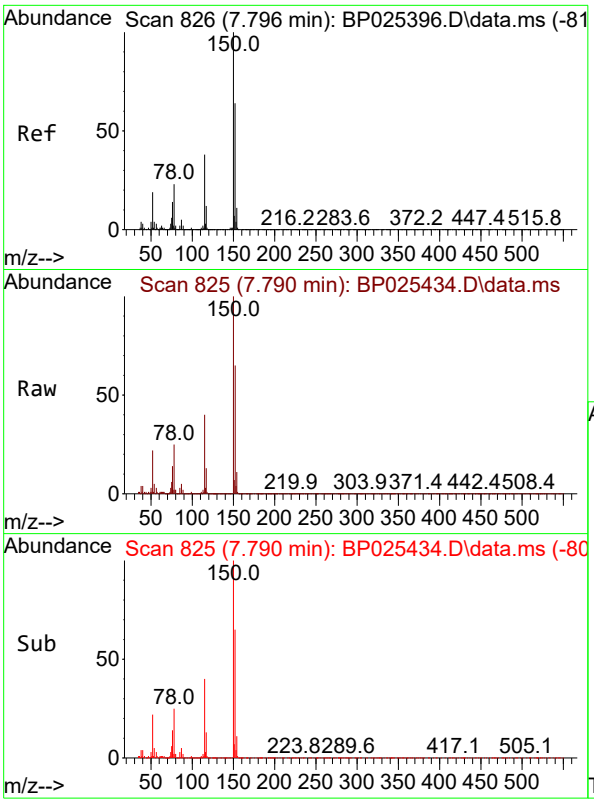
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025434.D
Acq On : 15 Aug 2025 19:40
Operator : CG/JU
Sample : Q2820-21RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Quant Time: Aug 18 01:36:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



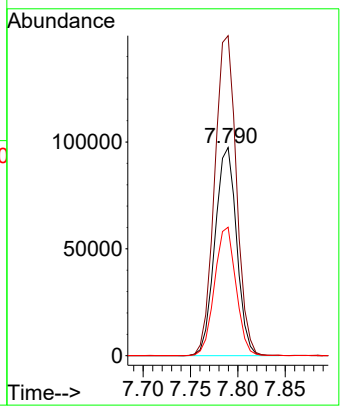


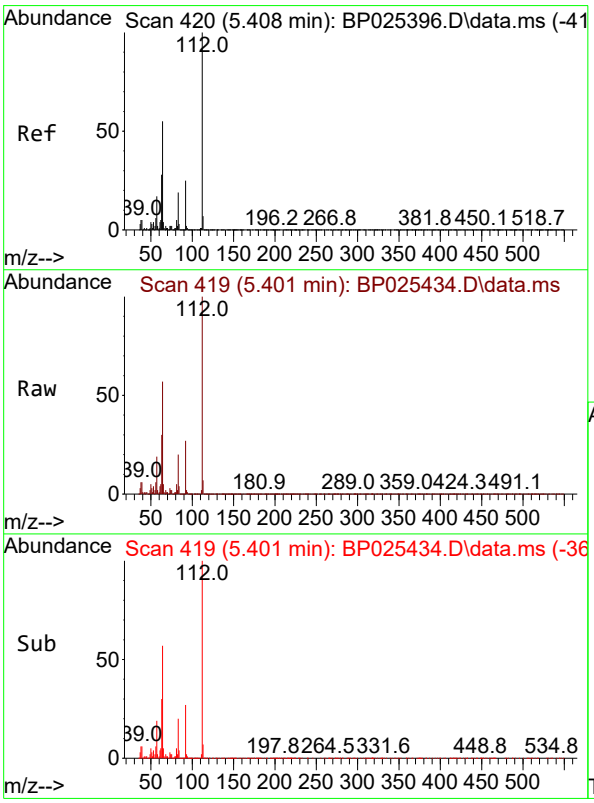
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion:152 Resp: 155082

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.9	188.9
115	61.7	48.5	72.7

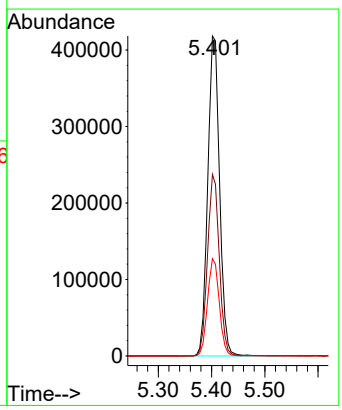


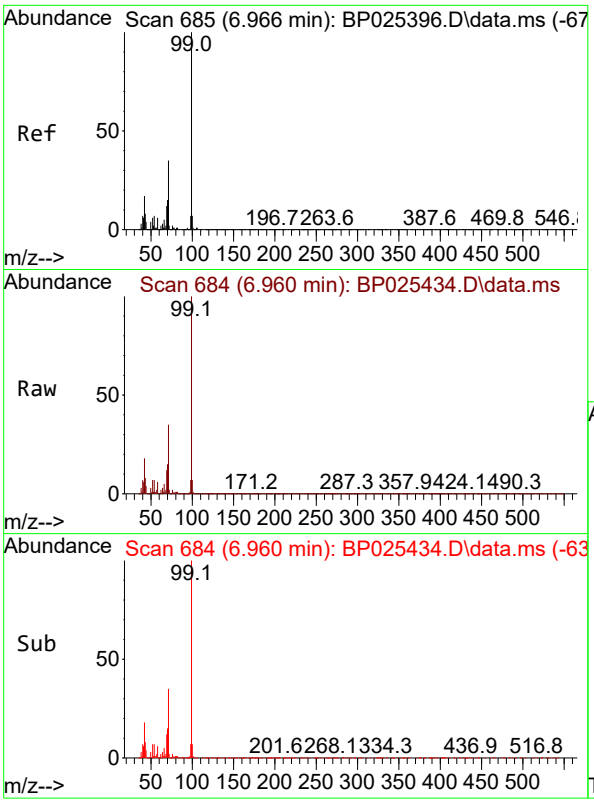


#5
2-Fluorophenol
Concen: 69.034 ng
RT: 5.401 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:112 Resp: 644660

Ion	Ratio	Lower	Upper
112	100		
64	56.7	43.8	65.8
63	30.4	22.7	34.1



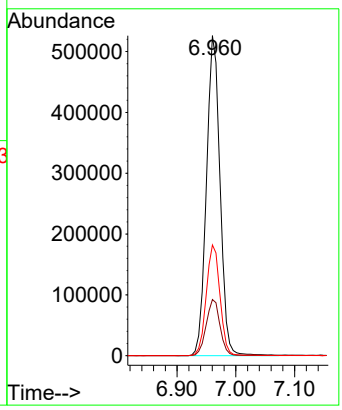


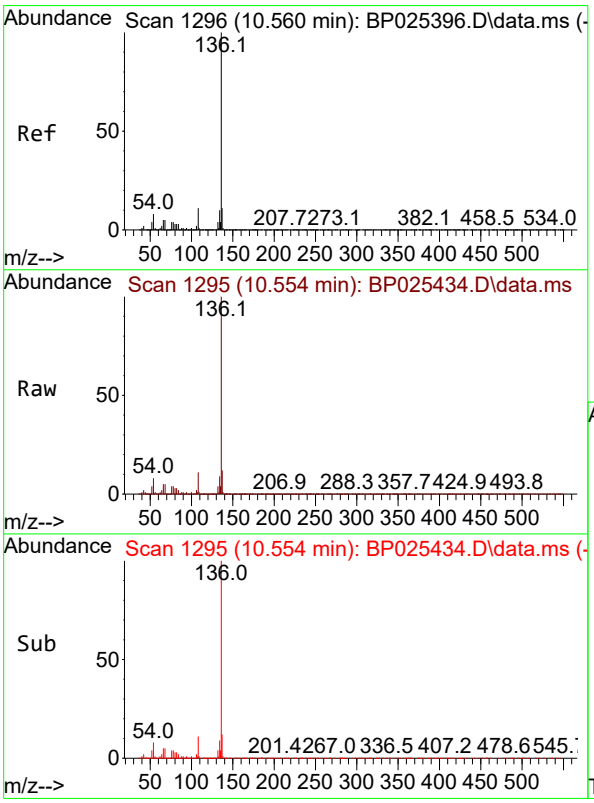
#7
Phenol-d6
Concen: 70.842 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion: 99 Resp: 848161

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.7	20.5
71	34.6	28.2	42.4

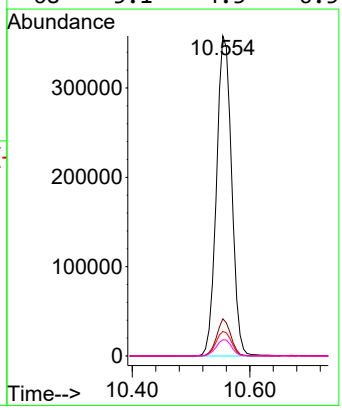


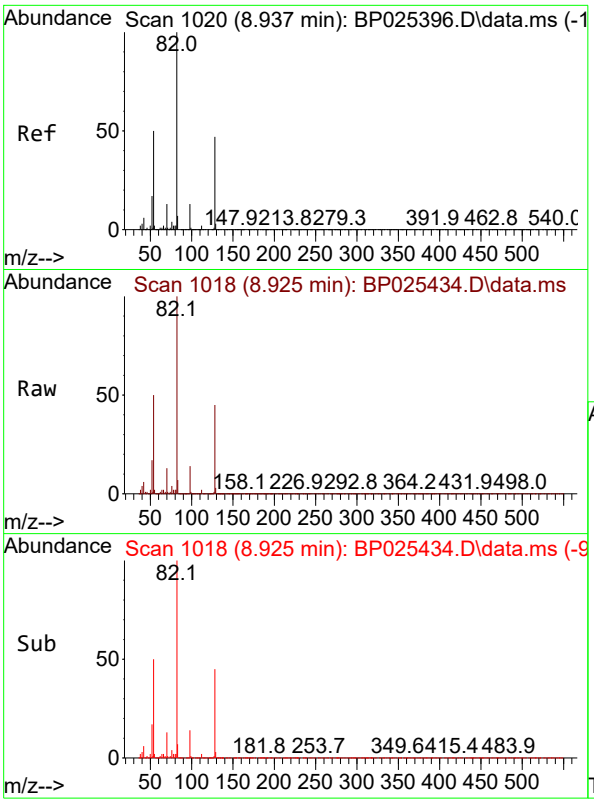


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:136 Resp: 641637

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.1	4.3	6.5



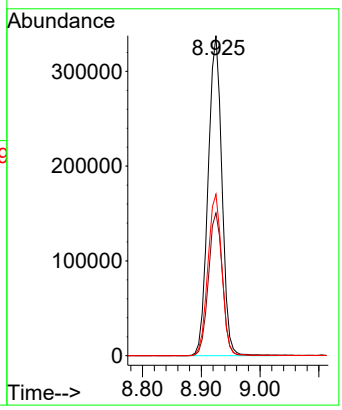


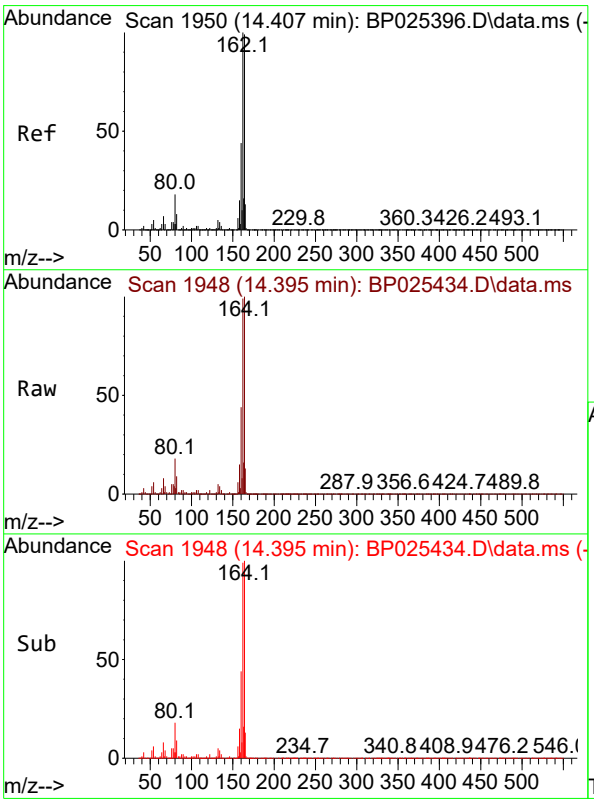
#23
Nitrobenzene-d5
Concen: 43.395 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion: 82 Resp: 550431

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.7	56.5
54	50.5	39.8	59.6

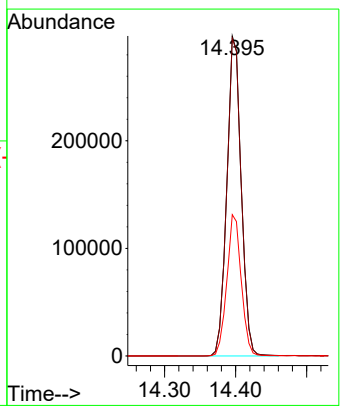


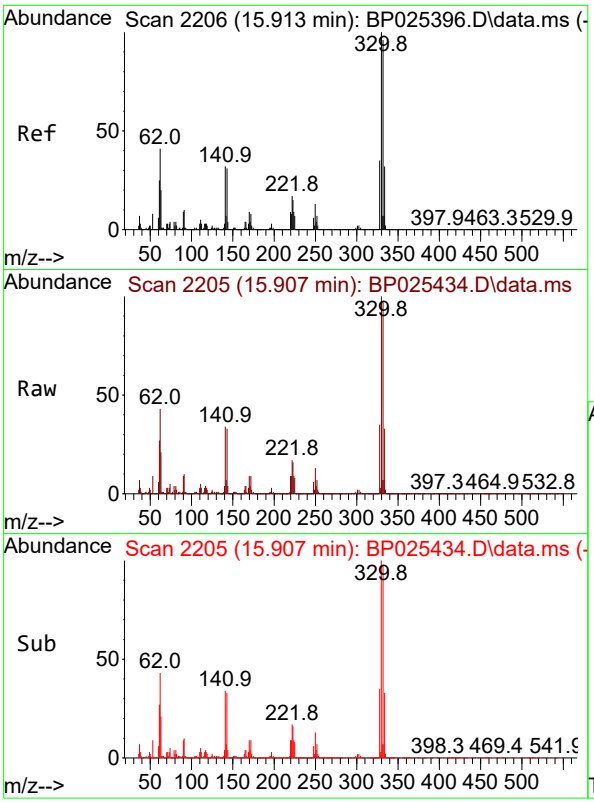


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:164 Resp: 416468

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.0	121.6
160	44.2	35.4	53.2



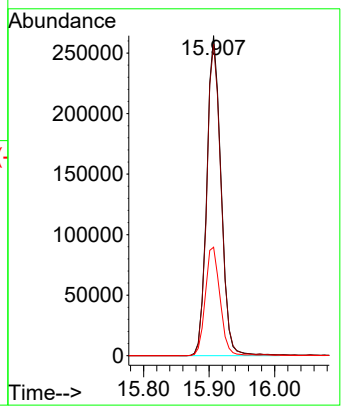


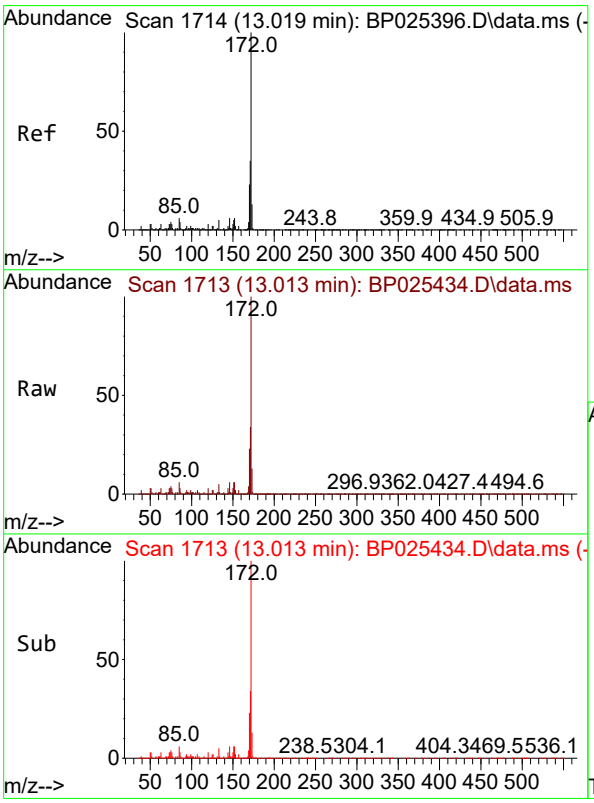
#42
2,4,6-Tribromophenol
Concen: 71.281 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion:330 Resp: 399579

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	35.1	26.6	39.8

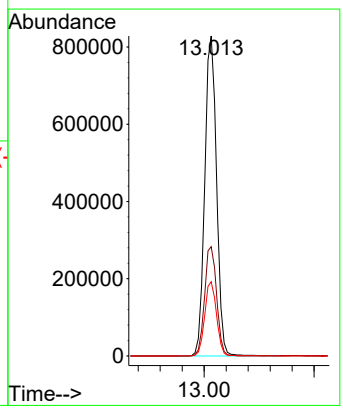


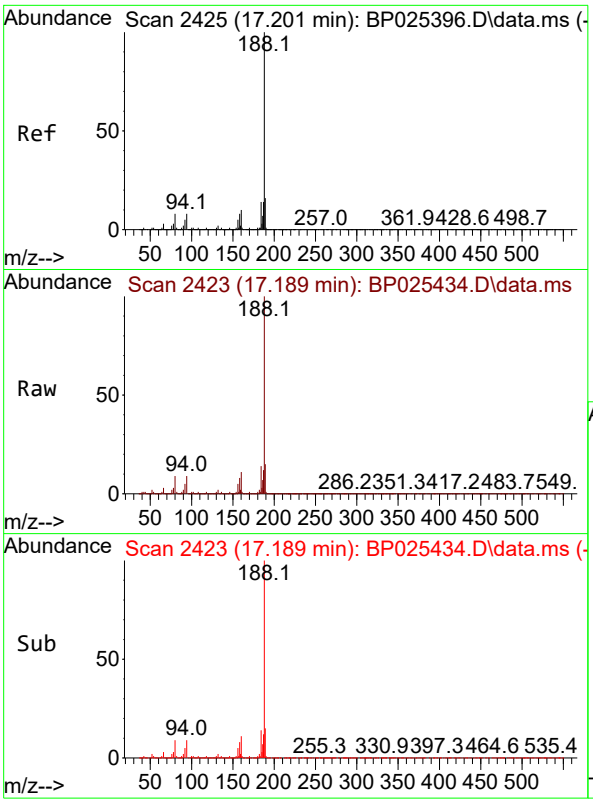


#45
2-Fluorobiphenyl
Concen: 40.380 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:172 Resp: 1230492

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	23.2	18.6	28.0



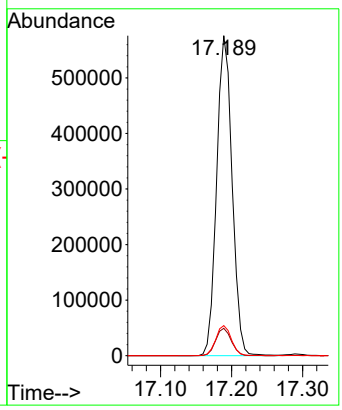


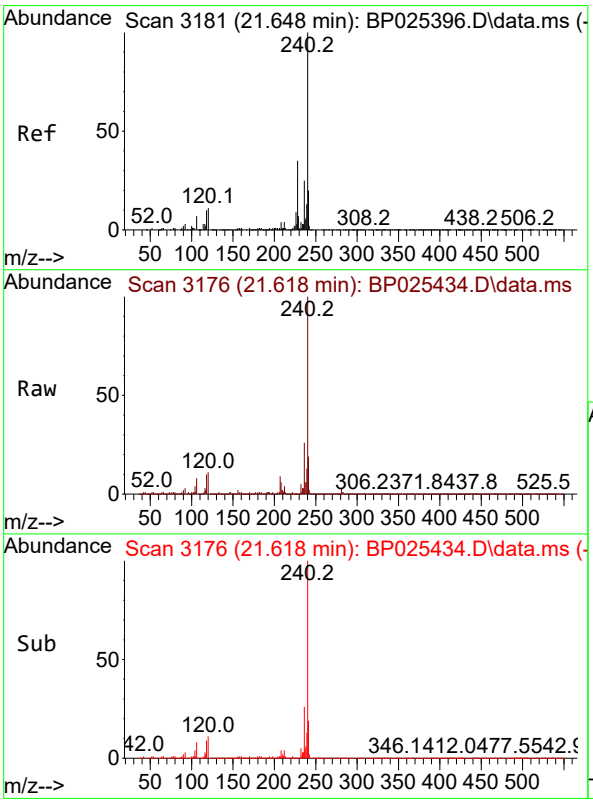
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion:188 Resp: 866830

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.4	6.7	10.1

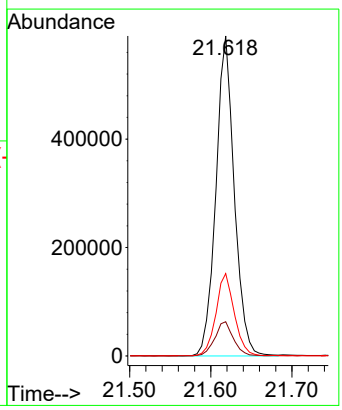


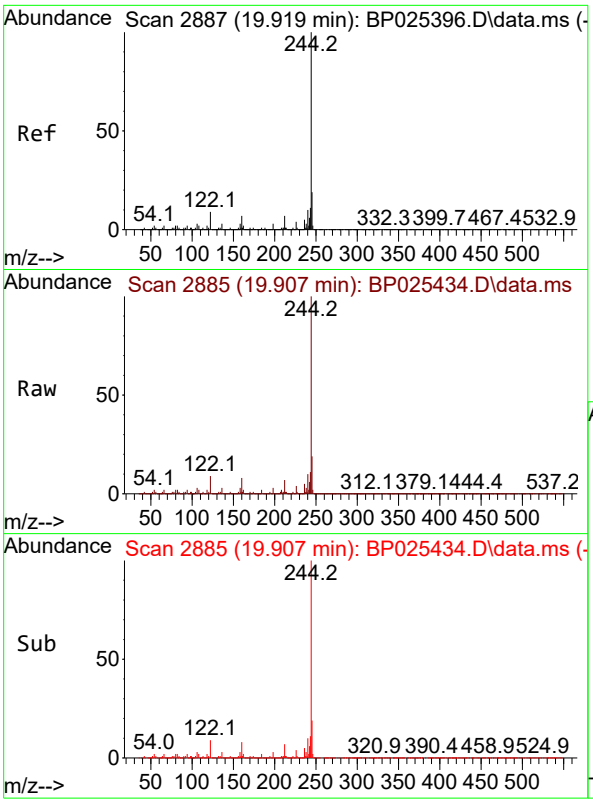


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.030 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:240 Resp: 930206

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.7	19.8	29.8



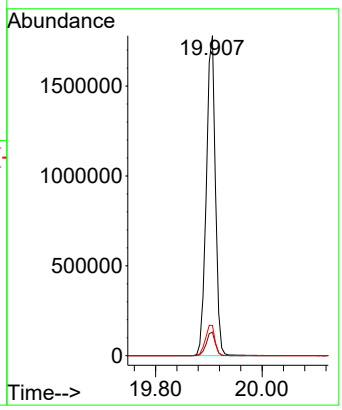


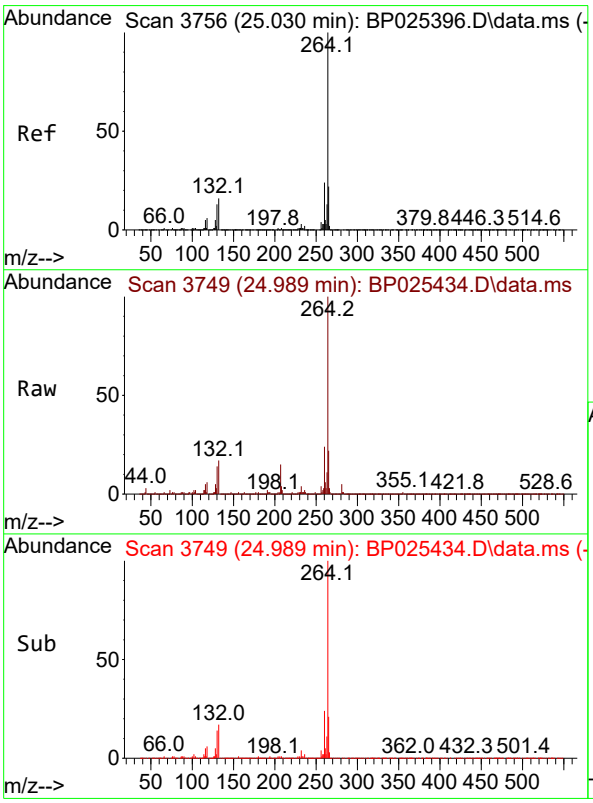
#79
Terphenyl-d14
Concen: 41.186 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Instrument :
BNA_P
ClientSampleId :
22M-NRE

Tgt Ion:244 Resp: 2094015

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.5	7.4	11.2

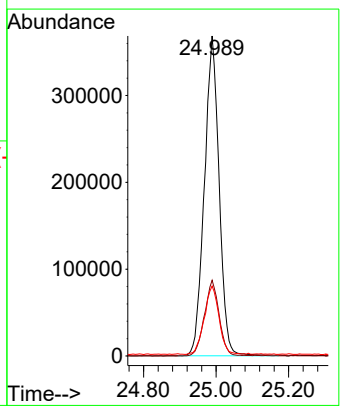




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025434.D
Acq: 15 Aug 2025 19:40

Tgt Ion:264 Resp: 1040579

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.9	17.4	26.0



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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	74.0		34 - 127		49%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.4		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		39 - 132		51%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79				
1146-65-2	Naphthalene-d8	523000	10.555				
15067-26-2	Acenaphthene-d10	345000	14.396				
1517-22-2	Phenanthrene-d10	728000	17.189				
1719-03-5	Chrysene-d12	862000	21.63				
1520-96-3	Perylene-d12	1000000	24.995				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB			4.95	ug/Kg
000119-61-9	Benzophenone	410	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J			18.1	ug/Kg
018835-33-1	1-Hexacosene	360	J			21.3	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Time: Aug 15 05:04:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

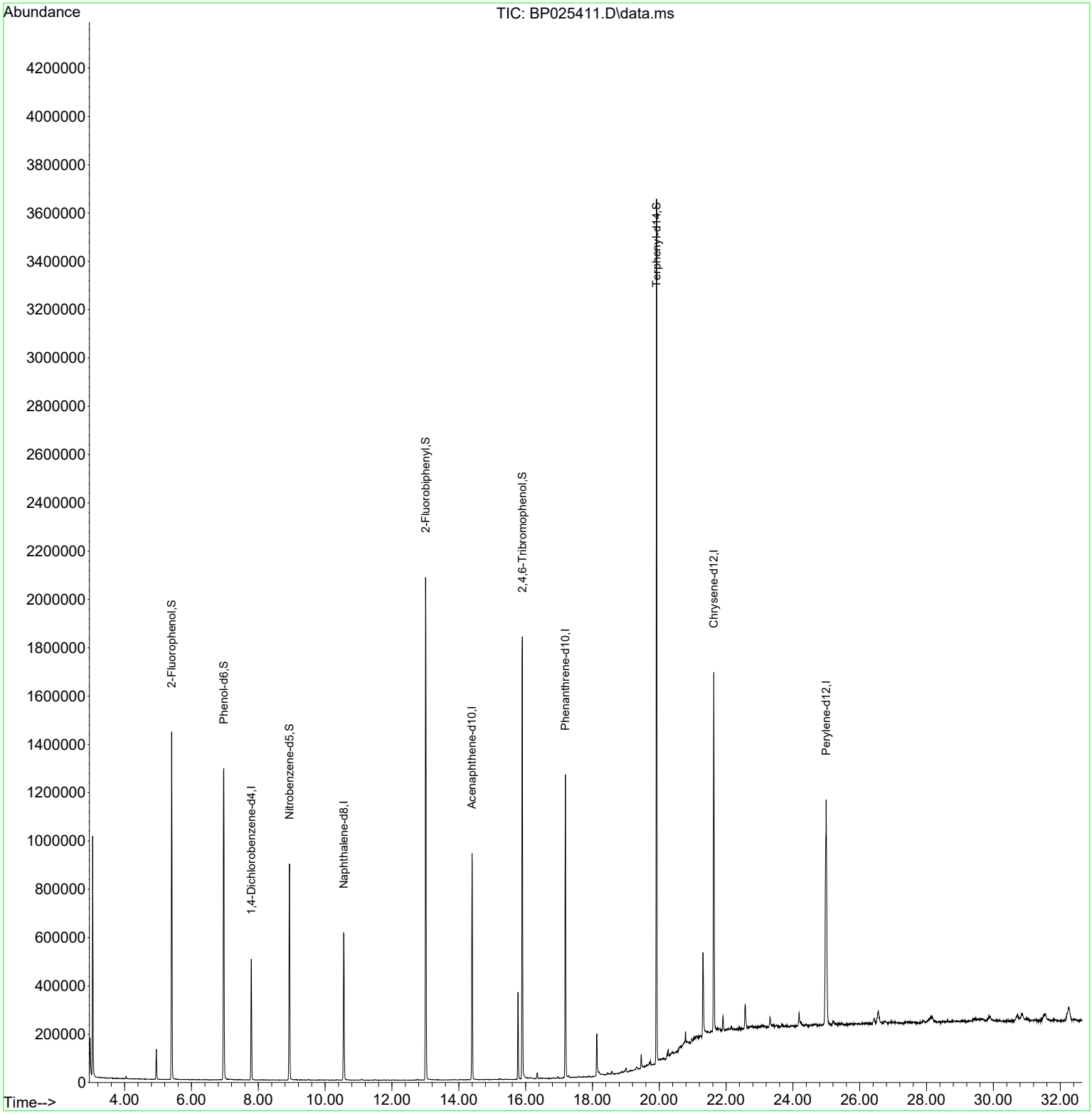
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	134809	20.000	ng	0.00
21) Naphthalene-d8	10.555	136	523322	20.000	ng	0.00
39) Acenaphthene-d10	14.396	164	344739	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	728298	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	862061	20.000	ng	-0.02
86) Perylene-d12	24.995	264	1000227	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	611017	75.271	ng	0.00
7) Phenol-d6	6.966	99	770544	74.038	ng	0.00
23) Nitrobenzene-d5	8.931	82	500948	48.423	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	356215	76.767	ng	-0.01
45) 2-Fluorobiphenyl	13.007	172	1052857	41.739	ng	-0.01
79) Terphenyl-d14	19.919	244	1784540	37.874	ng	0.00
Target Compounds						Qvalue

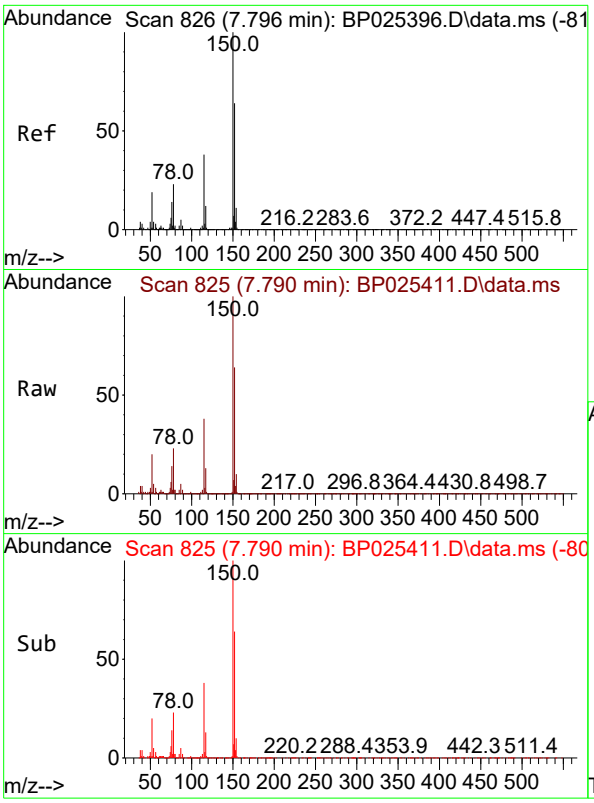
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Time: Aug 15 05:04:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



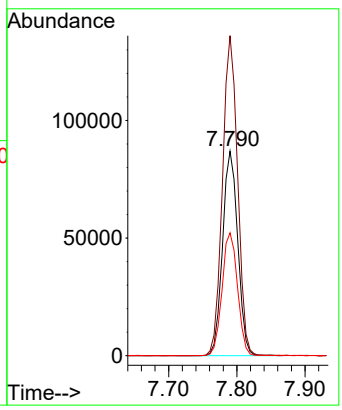


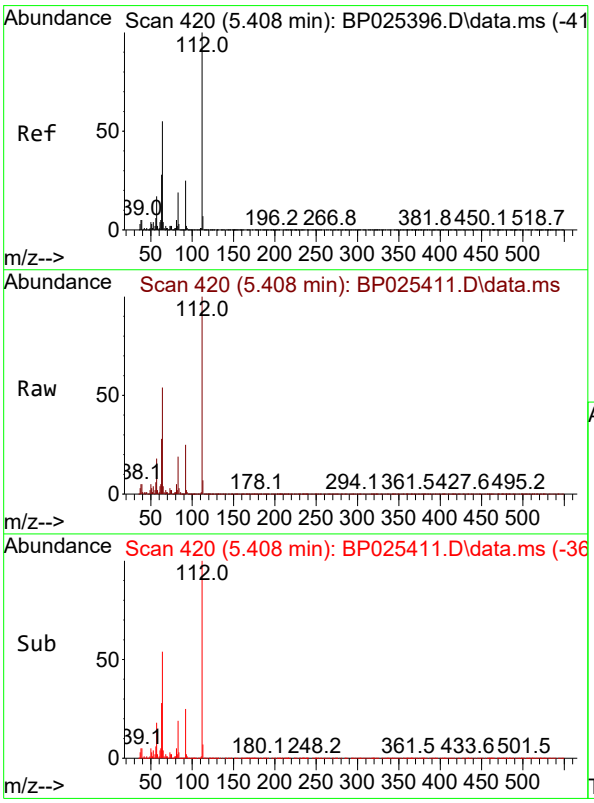
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion:152 Resp: 134809

Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.9	188.9
115	60.1	48.5	72.7

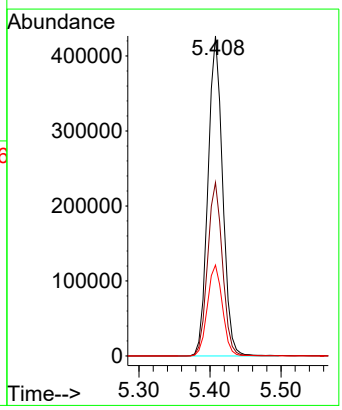


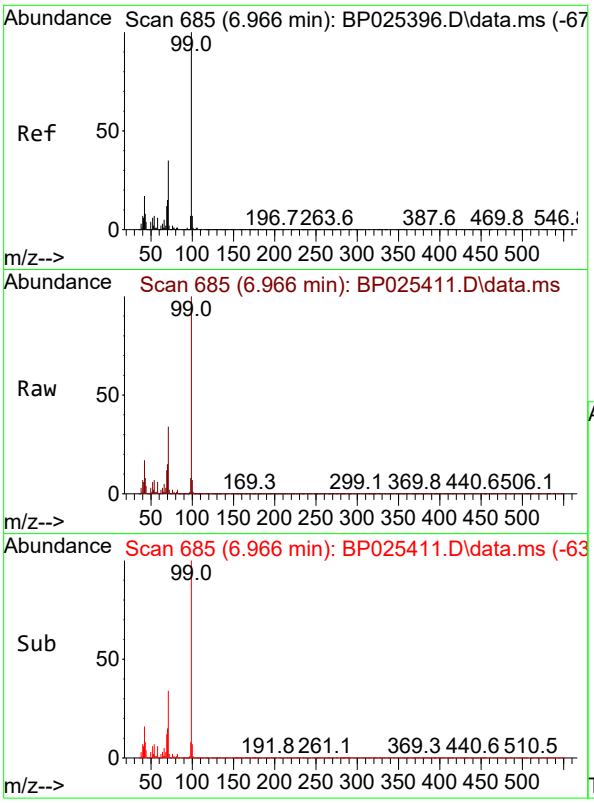


#5
2-Fluorophenol
Concen: 75.271 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:112 Resp: 611017

Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.8	65.8
63	28.4	22.7	34.1



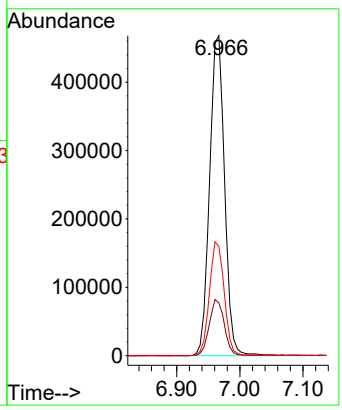


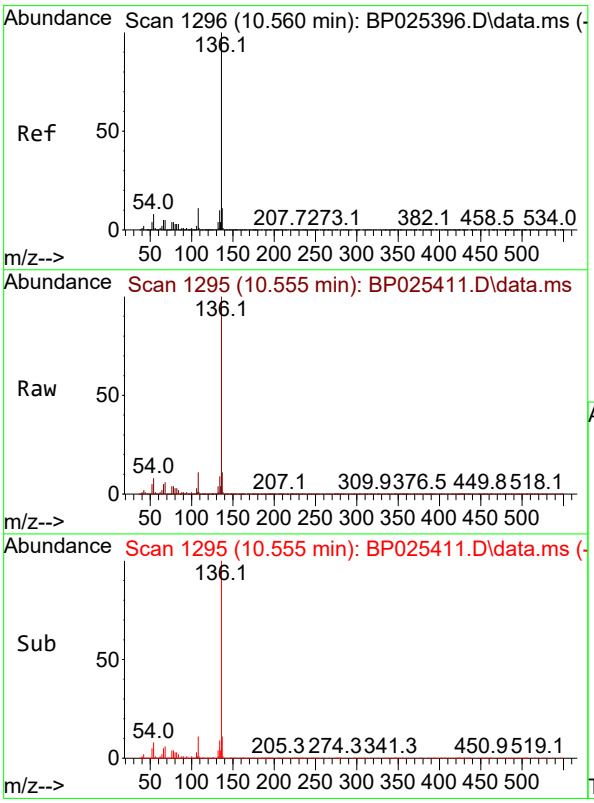
#7
Phenol-d6
Concen: 74.038 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion: 99 Resp: 770544

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	34.2	28.2	42.4

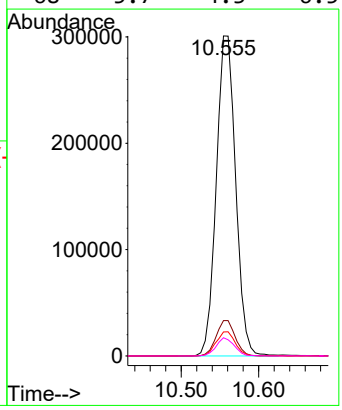


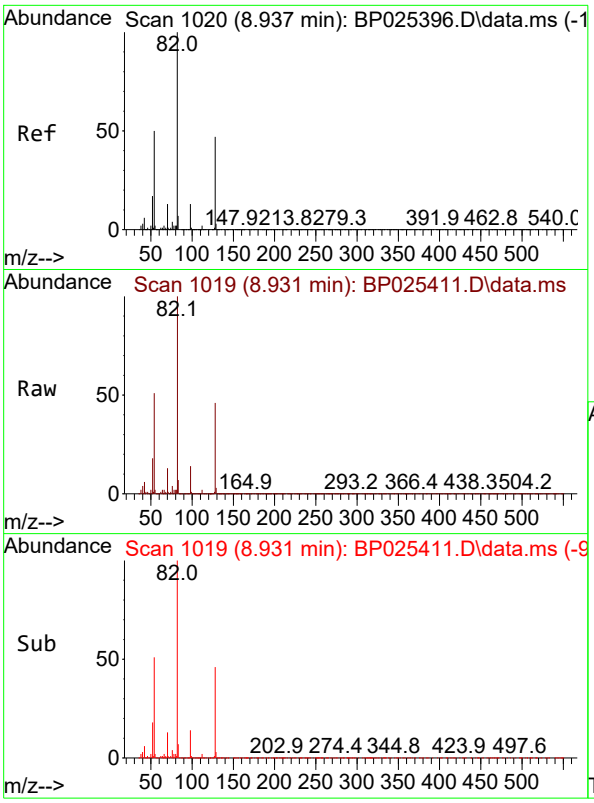


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:136 Resp: 523322

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.5	6.0	9.0
68	5.7	4.3	6.5



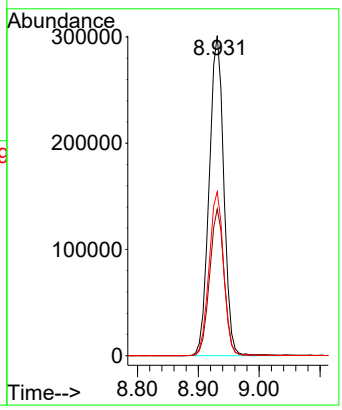


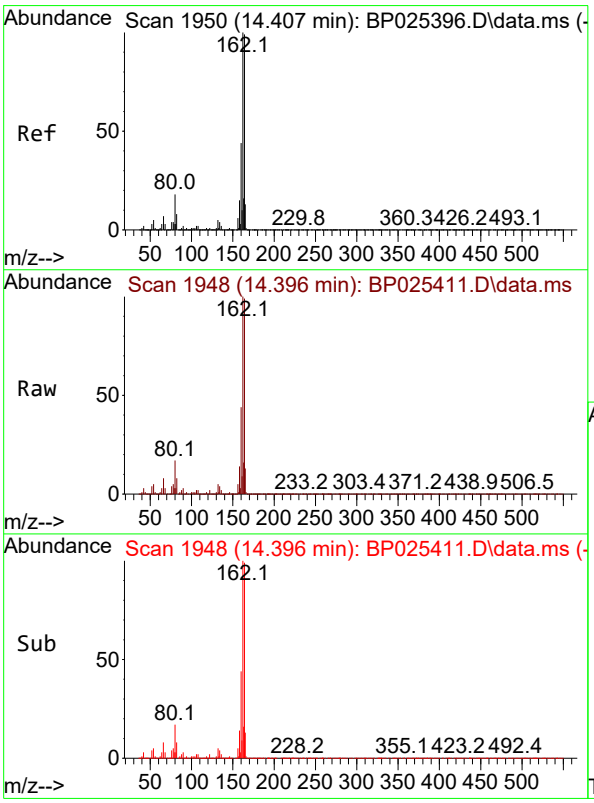
#23
Nitrobenzene-d5
Concen: 48.423 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion: 82 Resp: 500948

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	51.3	39.8	59.6

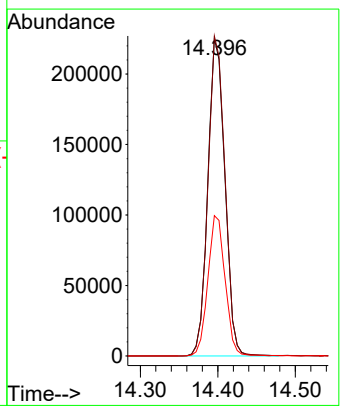


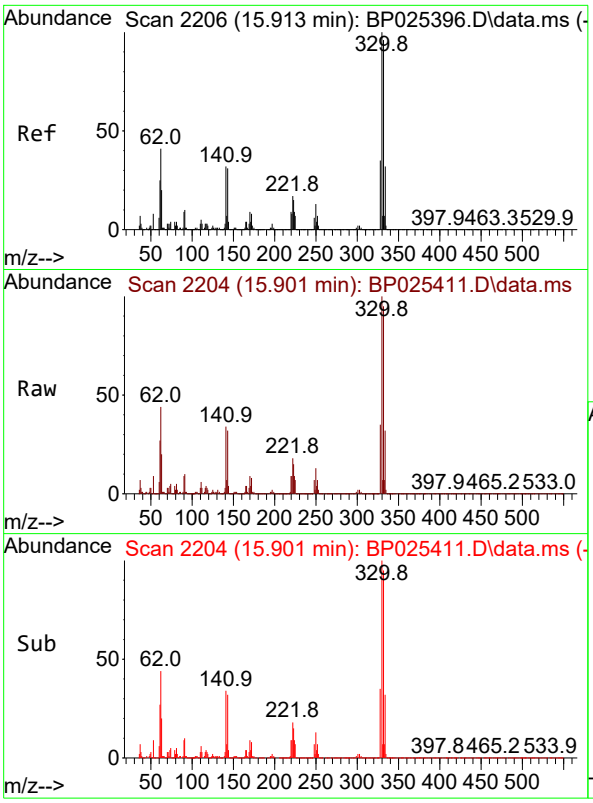


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:164 Resp: 344739

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.0	121.6
160	44.2	35.4	53.2



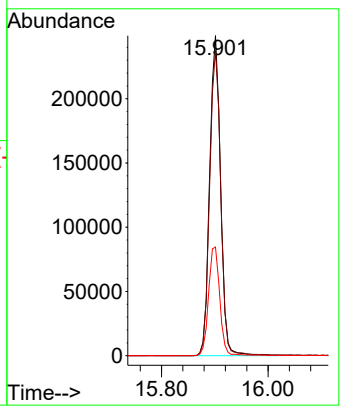


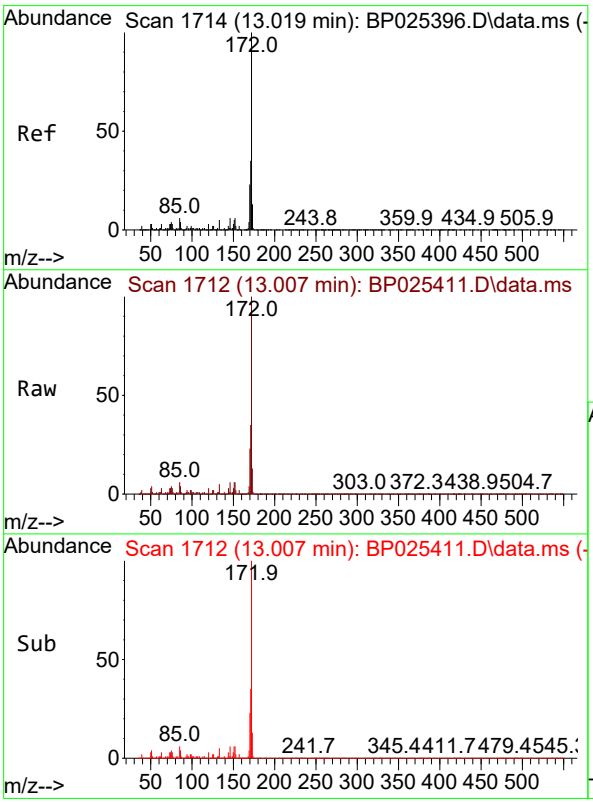
#42
2,4,6-Tribromophenol
Concen: 76.767 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion:330 Resp: 356215

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.8	26.6	39.8

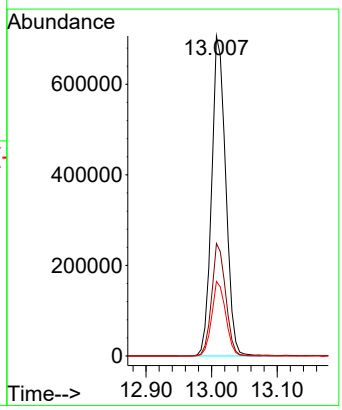


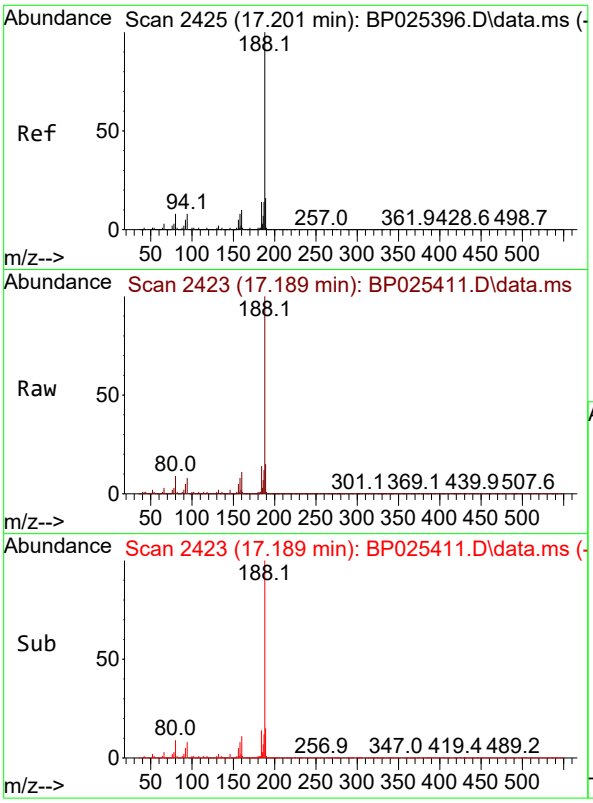


#45
2-Fluorobiphenyl
Concen: 41.739 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:172 Resp: 1052857

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0



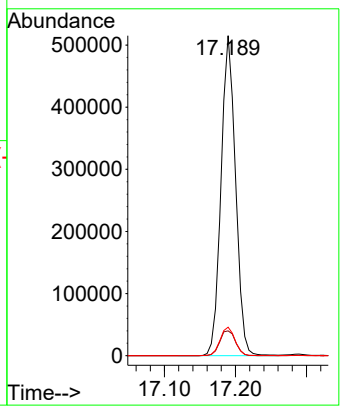


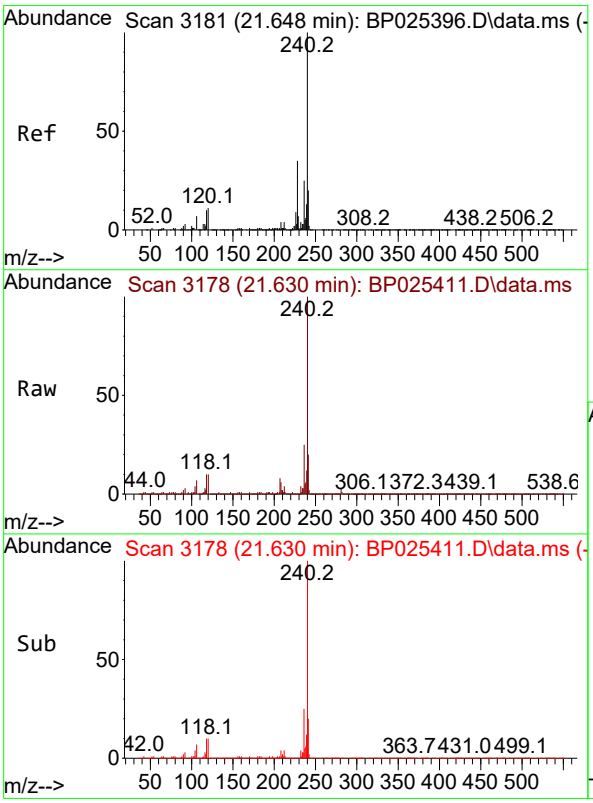
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion:188 Resp: 728298

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.9	6.7	10.1

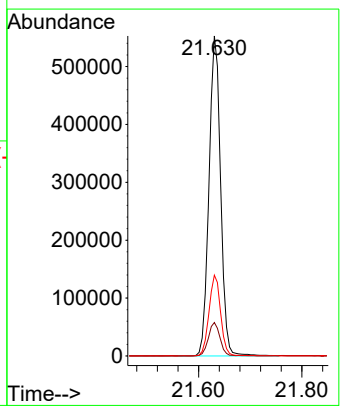


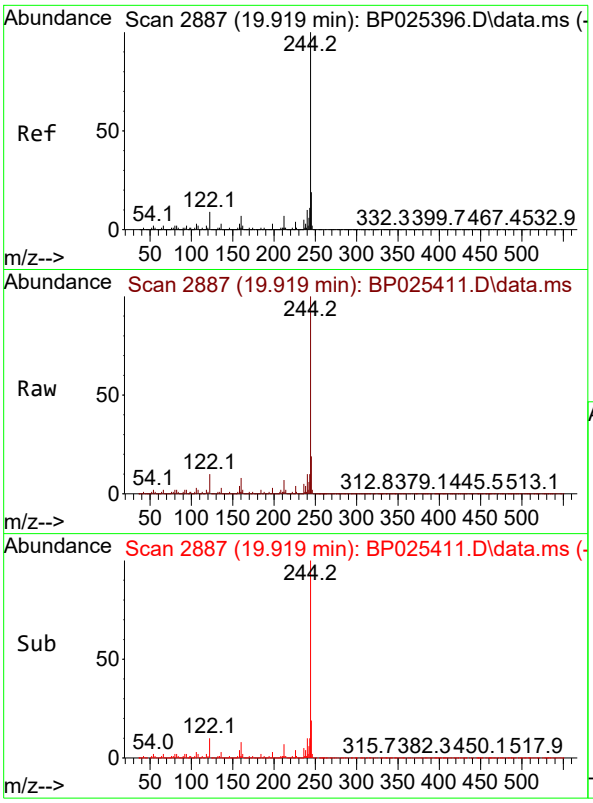


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:240 Resp: 862061

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.2	19.8	29.8



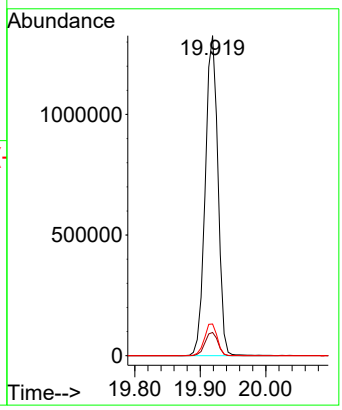


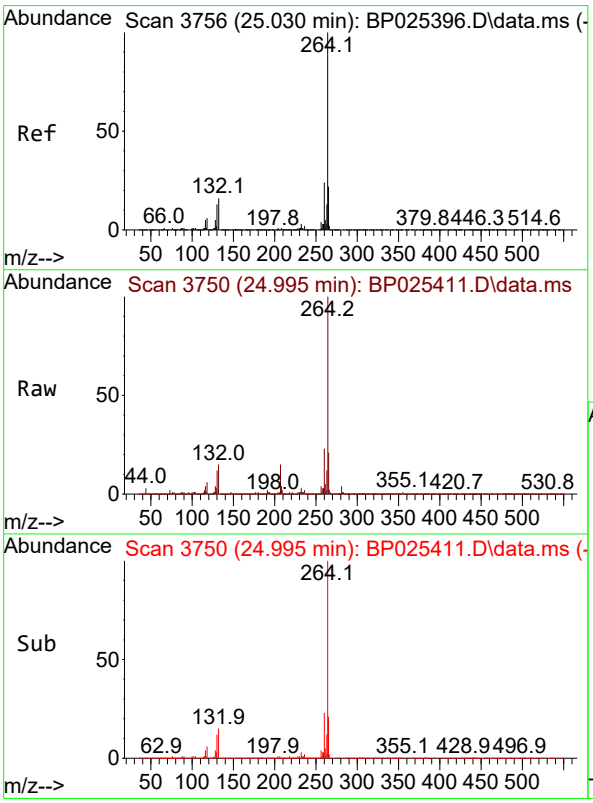
#79
Terphenyl-d14
Concen: 37.874 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Instrument :
BNA_P
ClientSampleId :
22M-W

Tgt Ion:244 Resp: 1784540

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.9	7.4	11.2

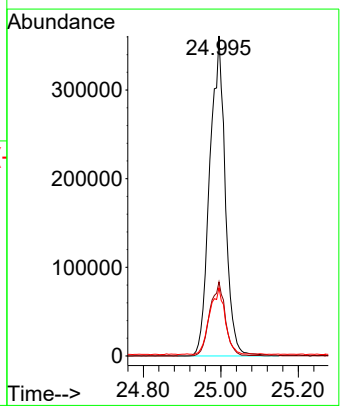




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.995 min Scan# 3750
Delta R.T. -0.035 min
Lab File: BP025411.D
Acq: 15 Aug 2025 03:03

Tgt Ion:264 Resp: 1000227

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025411.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	13	rVB2	150803	199798	4.12%	0.672%
2	3.043	13	18	37	rVB	999013	1230793	25.37%	4.137%
3	4.949	336	342	352	rVB	124854	176594	3.64%	0.594%
4	5.408	413	420	433	rBV	1438821	2078323	42.83%	6.986%
5	6.966	678	685	694	rBV	1288406	2156106	44.44%	7.247%
6	7.790	818	825	834	rVB	499460	779530	16.07%	2.620%
7	8.931	1011	1019	1031	rBV	894723	1487741	30.66%	5.001%
8	10.555	1288	1295	1306	rBV	609203	1062364	21.89%	3.571%
9	13.007	1705	1712	1728	rBV	2081301	3065634	63.18%	10.305%
10	14.396	1940	1948	1960	rBV	937646	1456675	30.02%	4.896%
11	15.772	2176	2182	2191	rBV	362031	473027	9.75%	1.590%
12	15.901	2197	2204	2220	rBV	1831015	2731299	56.29%	9.181%
13	17.189	2416	2423	2432	rBV	1256012	1809698	37.30%	6.083%
14	18.131	2578	2583	2591	rBV2	173113	296443	6.11%	0.996%
15	19.460	2805	2809	2816	rBV2	58177	95854	1.98%	0.322%
16	19.919	2880	2887	2892	rBV	3579632	4852267	100.00%	16.310%
17	21.307	3118	3123	3132	rBV2	346645	664574	13.70%	2.234%
18	21.630	3172	3178	3185	rBV2	1485107	2312453	47.66%	7.773%
19	21.913	3222	3226	3232	rVB2	59405	87297	1.80%	0.293%
20	22.572	3334	3338	3347	rVB3	97668	195815	4.04%	0.658%
21	24.995	3740	3750	3761	rVB	922696	2537778	52.30%	8.530%

Sum of corrected areas: 29750063

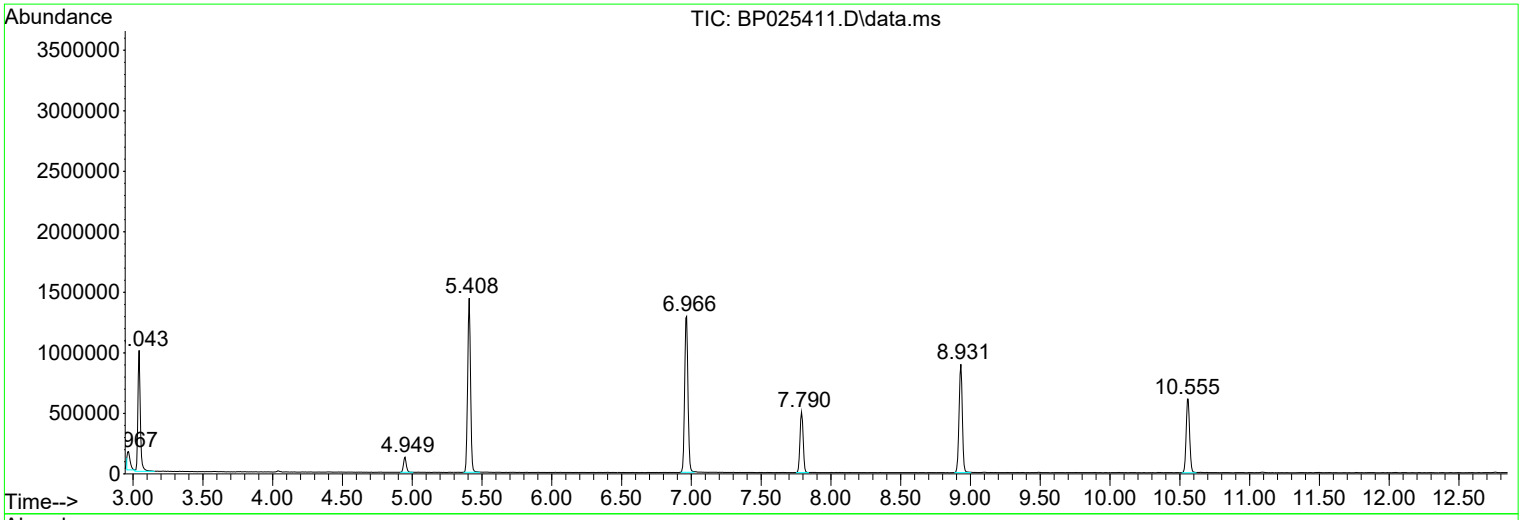
Sample Results: **BP025411.D**

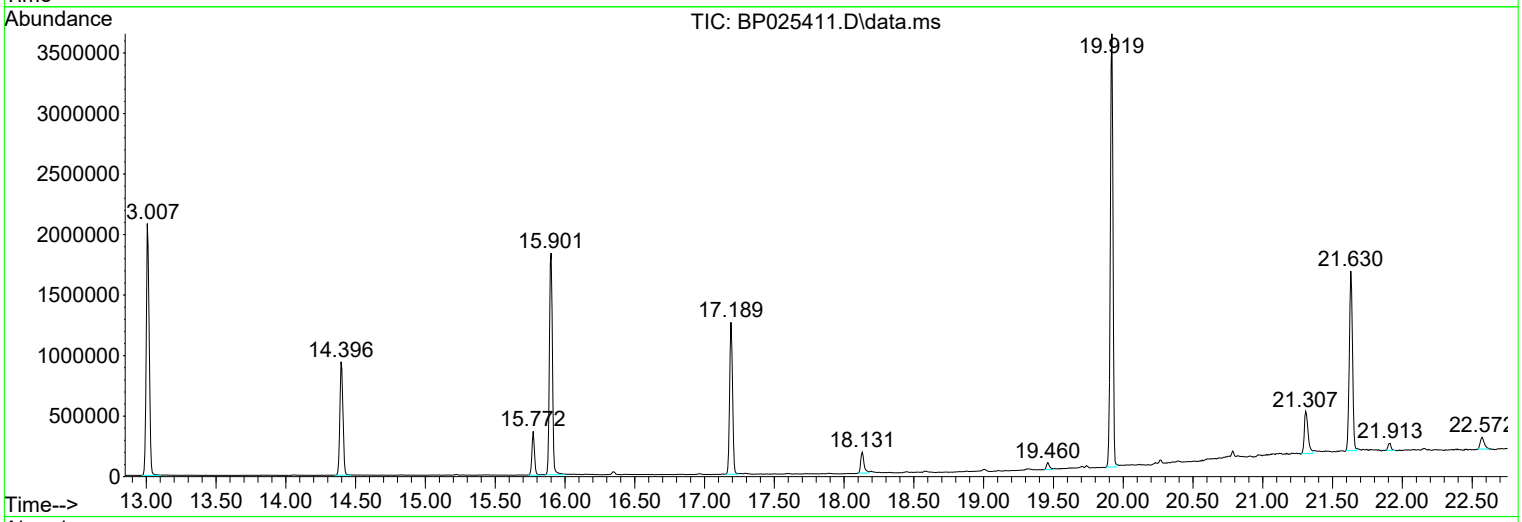
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

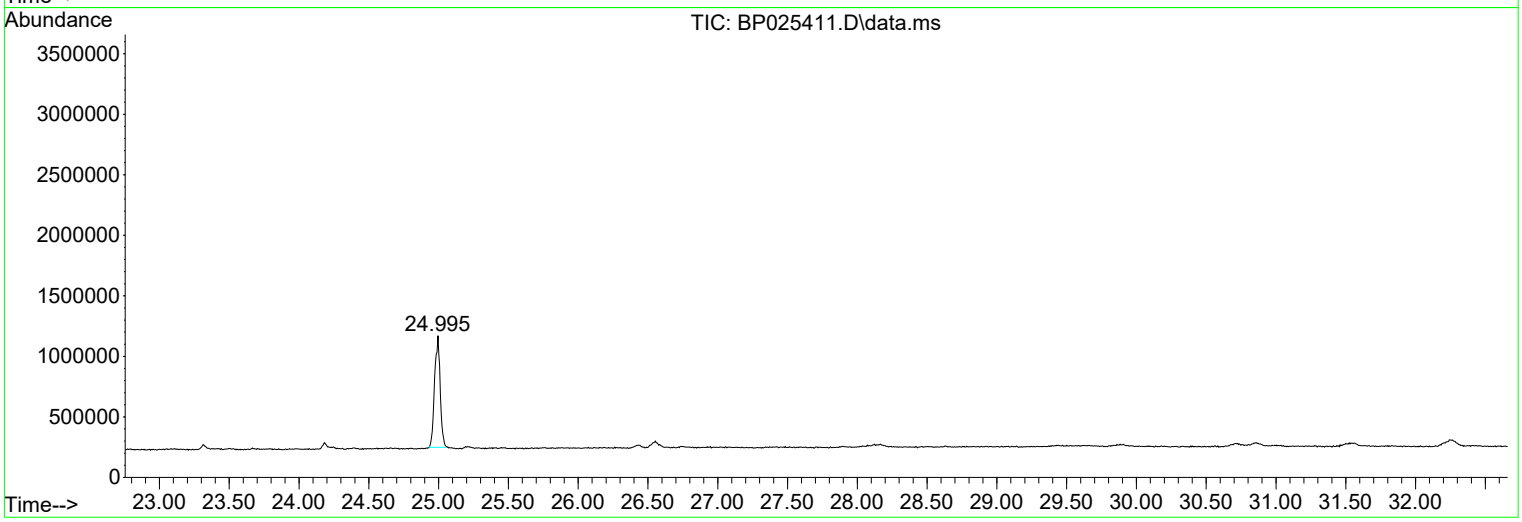
Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

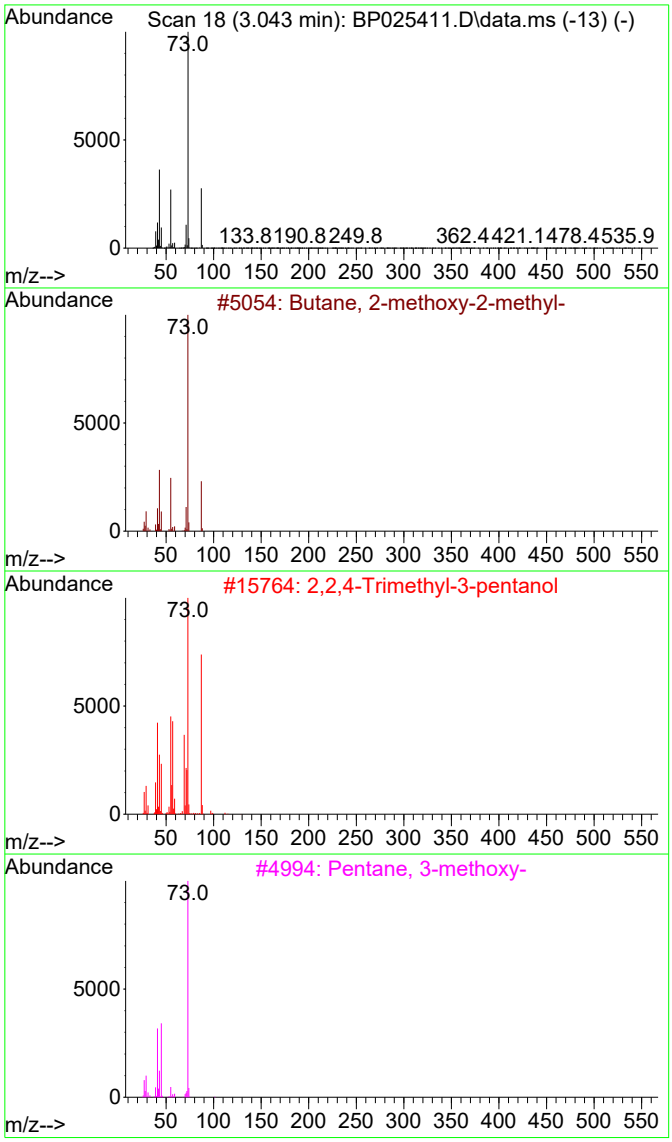
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

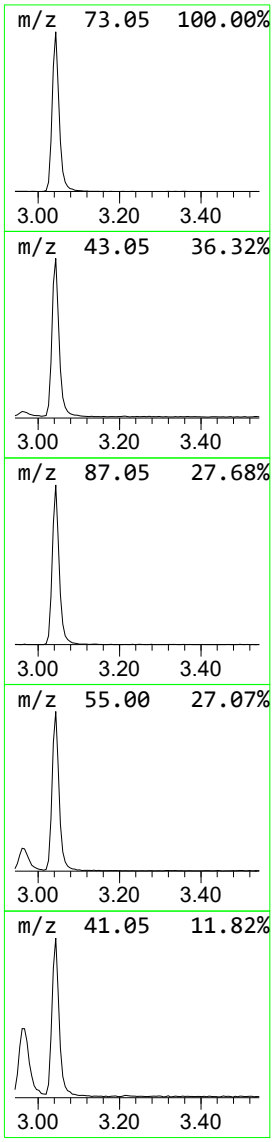
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	31.58 ng	1230790	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On    : 15 Aug 2025  03:03
Operator  : CG/JU
Sample    : Q2820-22
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

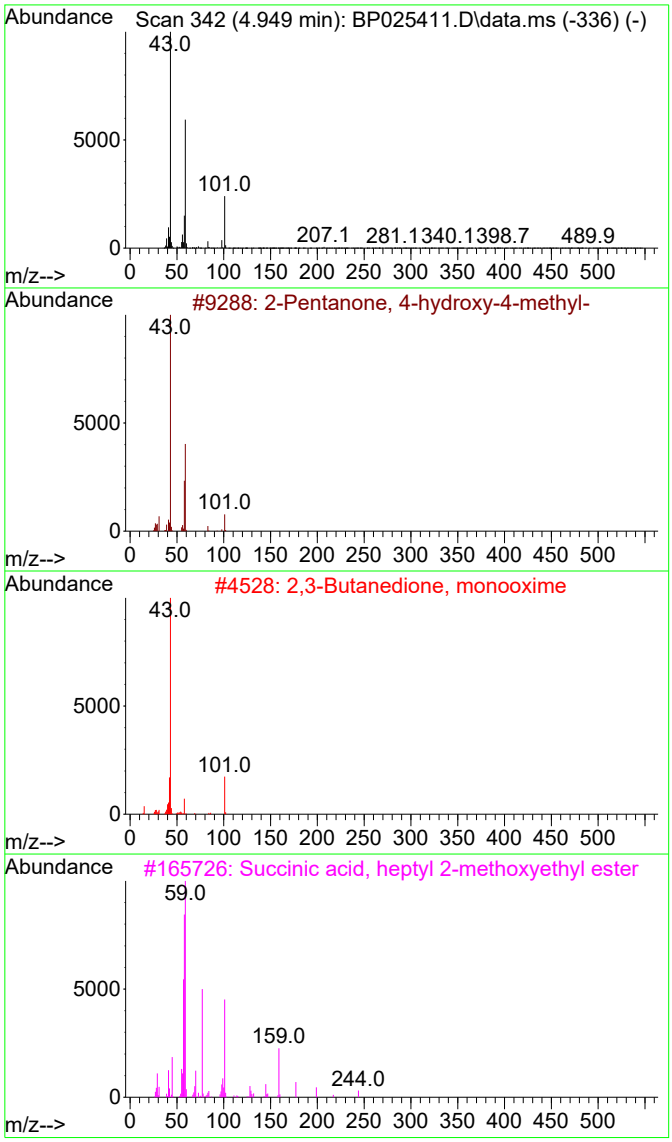
Instrument :
BNA_P
ClientSampleId :
22M-W

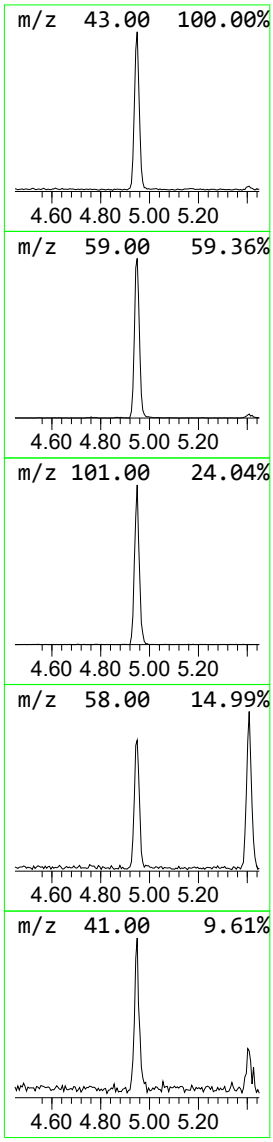
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.53 ng	176594	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
4	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
5	1,2-Butanediol	90	C4H10O2	000584-03-2	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

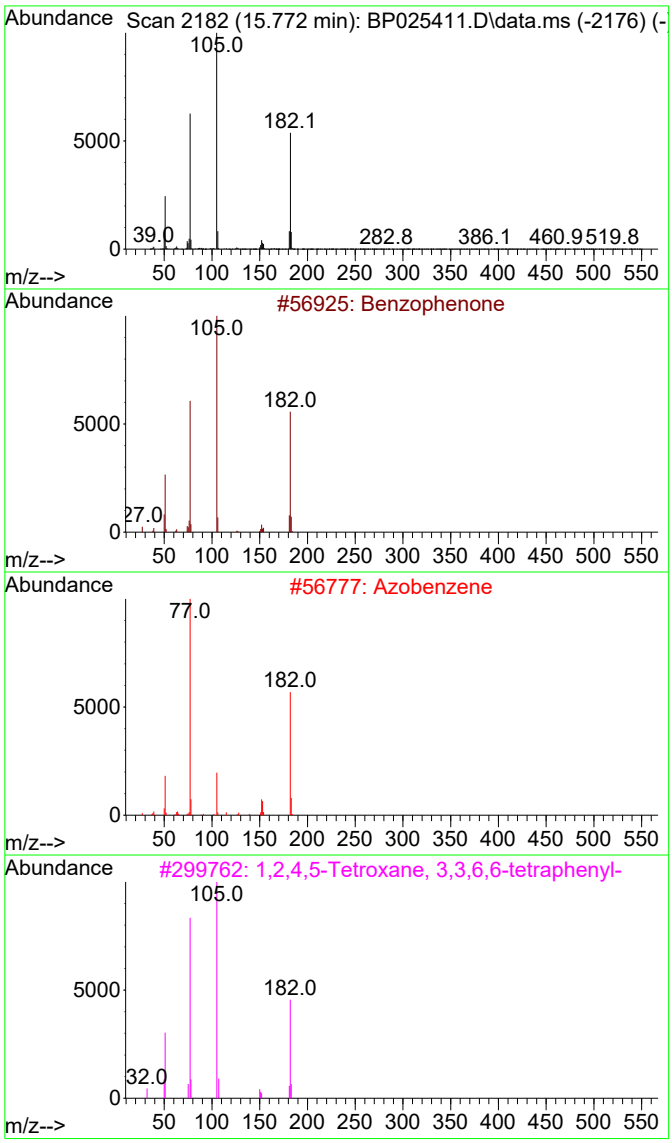
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

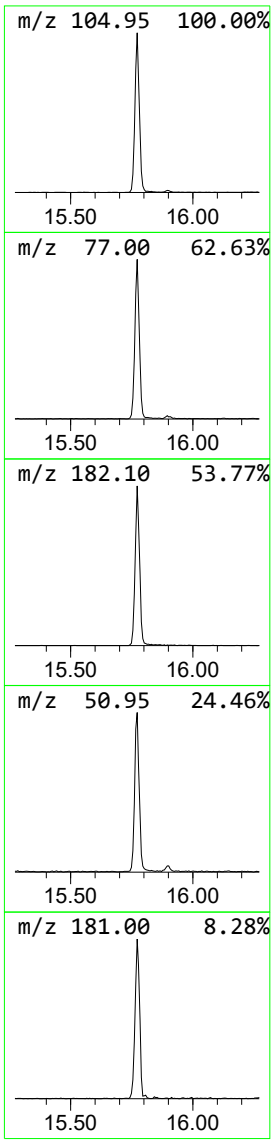
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	6.49 ng	473027	Acenaphthene-d10	14.396

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	45





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On    : 15 Aug 2025  03:03
Operator  : CG/JU
Sample    : Q2820-22
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

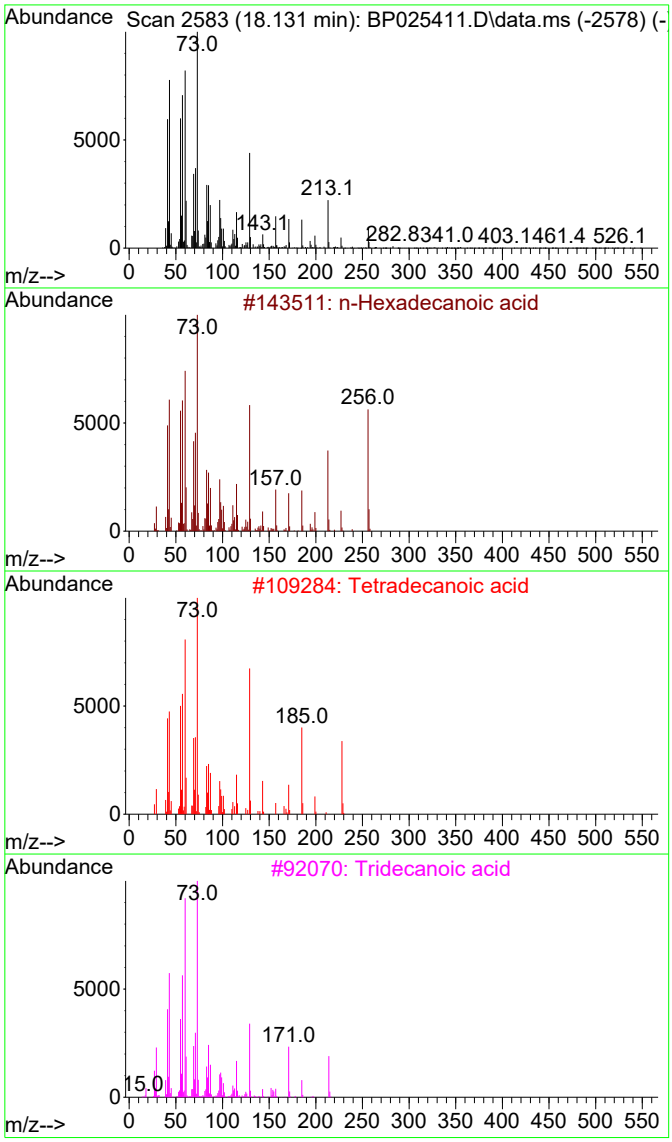
Instrument :
BNA_P
ClientSampleId :
22M-W

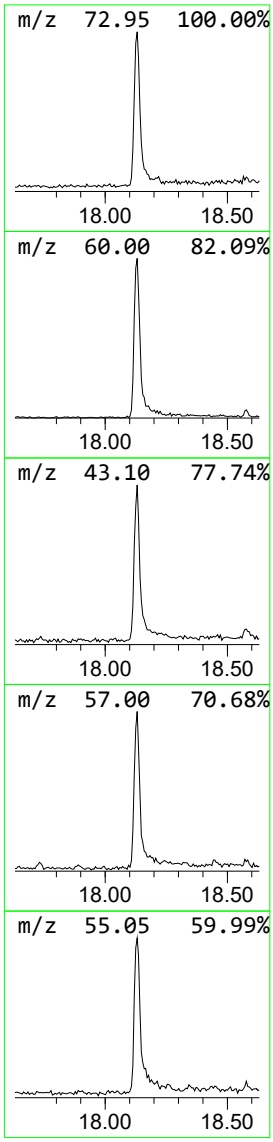
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.131	3.28 ng	296443	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	80
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

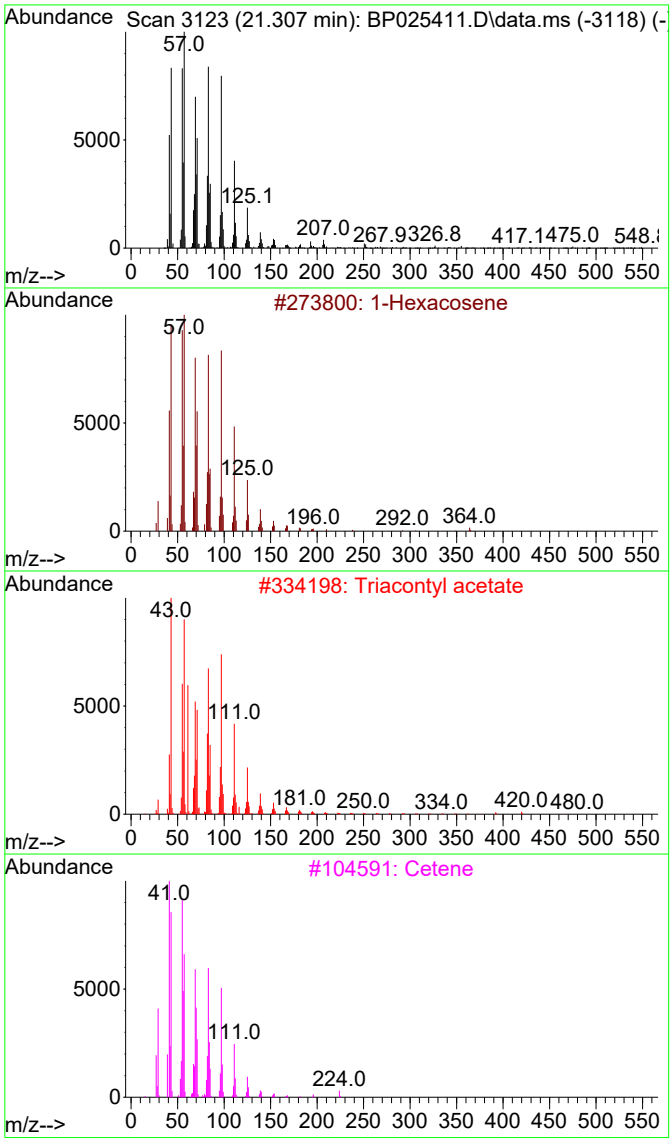
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

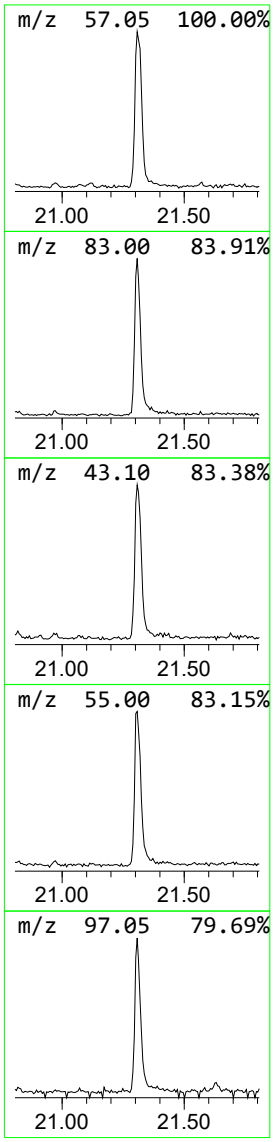
****

Peak Number 6 1-Hexacosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.307	5.75 ng	664574	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	Triacontyl acetate	480	C32H64O2	041755-58-2	95
3	Cetene	224	C16H32	000629-73-2	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025411.D
Acq On : 15 Aug 2025 03:03
Operator : CG/JU
Sample : Q2820-22
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	31.6	ng	1230790	1	7.790	779530	20.0
2-Pentanone, 4-...	4.949	4.5	ng	176594	1	7.790	779530	20.0
Benzophenone	15.772	6.5	ng	473027	3	14.396	1456680	20.0
n-Hexadecanoic ...	18.131	3.3	ng	296443	4	17.189	1809700	20.0
1-Hexacosene	21.307	5.8	ng	664574	5	21.630	2312450	20.0

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.0		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	78.0		34 - 127		52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	39.8	*	54 - 127		40%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156000	7.79				
1146-65-2	Naphthalene-d8	656000	10.56				
15067-26-2	Acenaphthene-d10	438000	14.395				
1517-22-2	Phenanthrene-d10	898000	17.189				
1719-03-5	Chrysene-d12	904000	21.636				
1520-96-3	Perylene-d12	1010000	25.012				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025435.D
Acq On : 15 Aug 2025 20:21
Operator : CG/JU
Sample : Q2820-22RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Quant Time: Aug 18 01:36:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

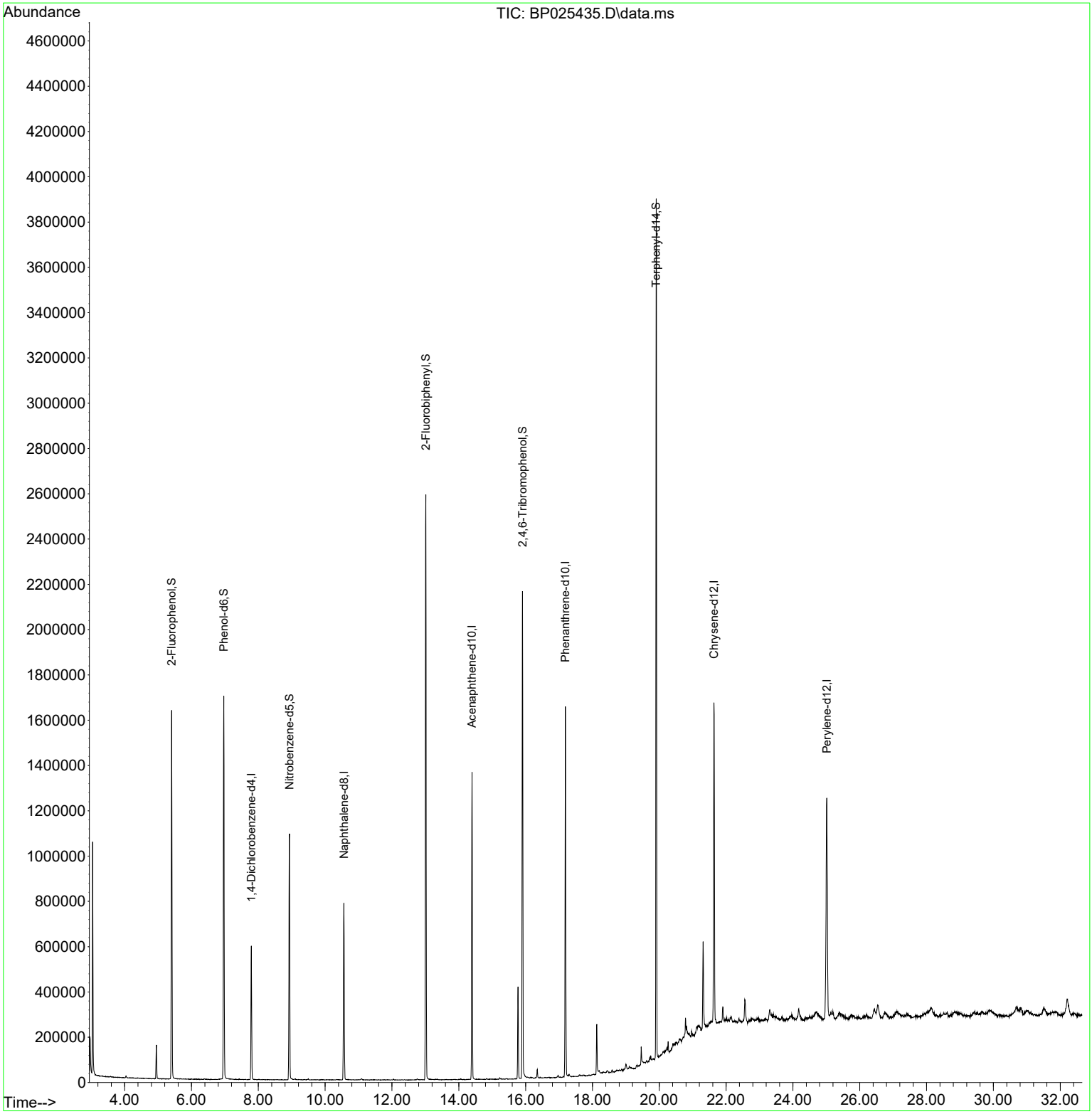
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	156053	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	655545	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	437583	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	897708	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	903775	20.000	ng	-0.01
86) Perylene-d12	25.012	264	1010900	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	714617	76.049	ng	0.00
7) Phenol-d6	6.966	99	940115	78.034	ng	0.00
23) Nitrobenzene-d5	8.931	82	620832	47.907	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	432896	73.498	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1320350	41.238	ng	0.00
79) Terphenyl-d14	19.907	244	1968336	39.846	ng	-0.01
Target Compounds						Qvalue

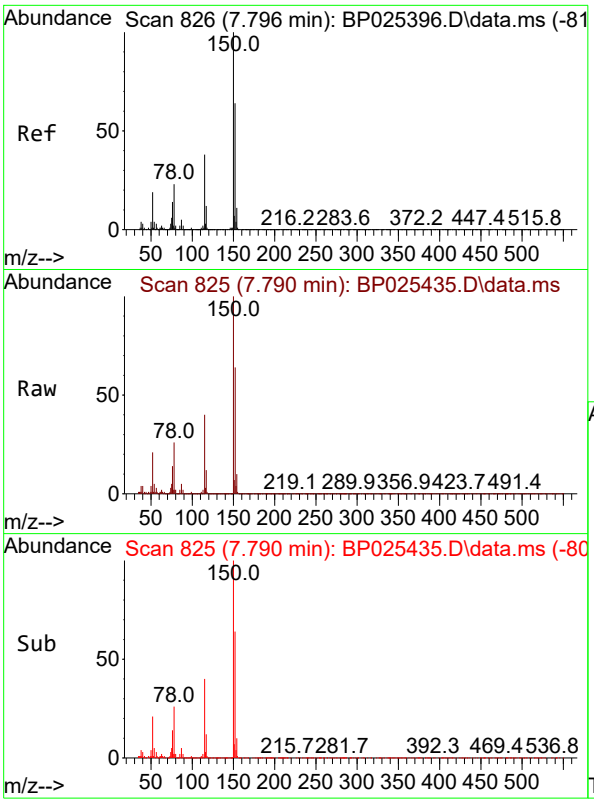
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025435.D
Acq On : 15 Aug 2025 20:21
Operator : CG/JU
Sample : Q2820-22RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Quant Time: Aug 18 01:36:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



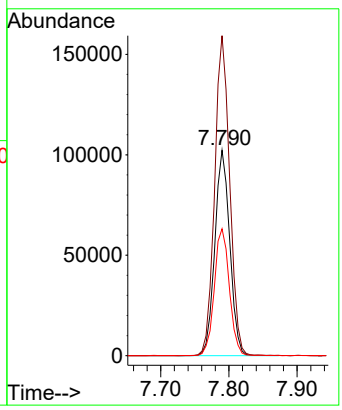


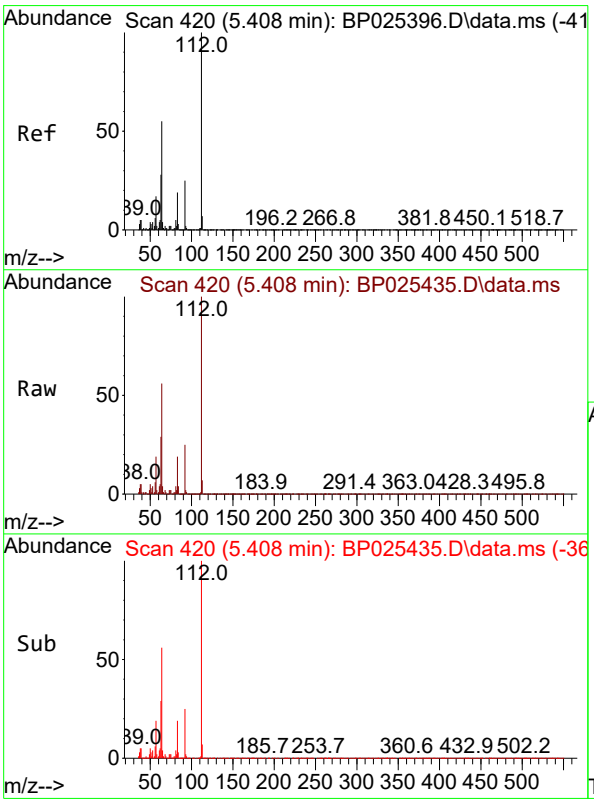
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion:152 Resp: 156053

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.9	188.9
115	61.8	48.5	72.7

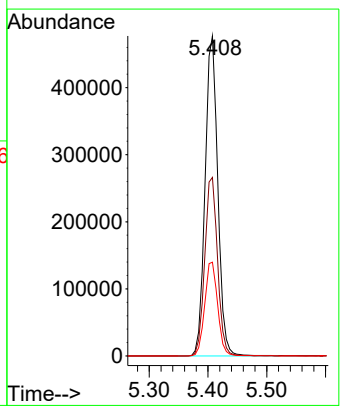


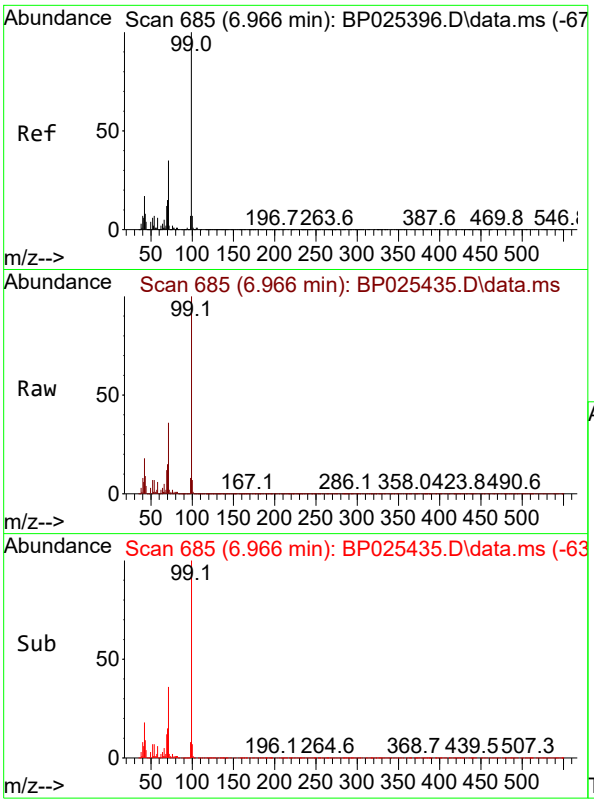


#5
2-Fluorophenol
Concen: 76.049 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:112 Resp: 714617

Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.8
63	29.3	22.7	34.1



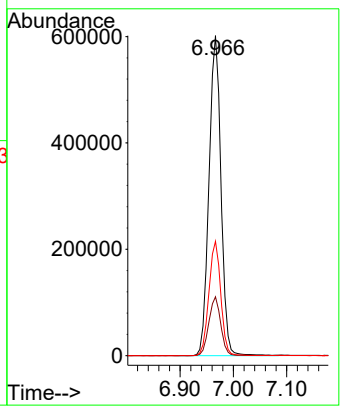


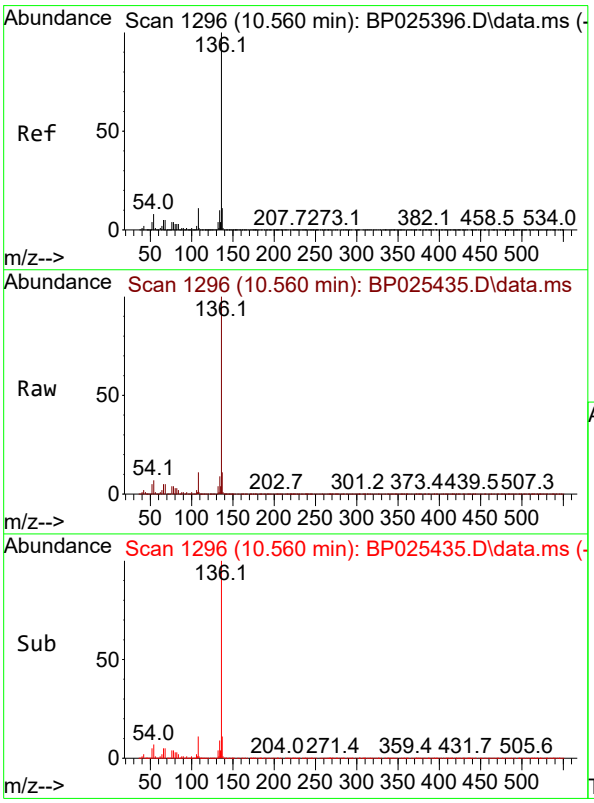
#7
Phenol-d6
Concen: 78.034 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion: 99 Resp: 940115

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.7	20.5
71	35.7	28.2	42.4

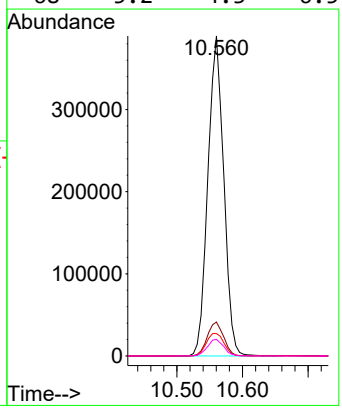


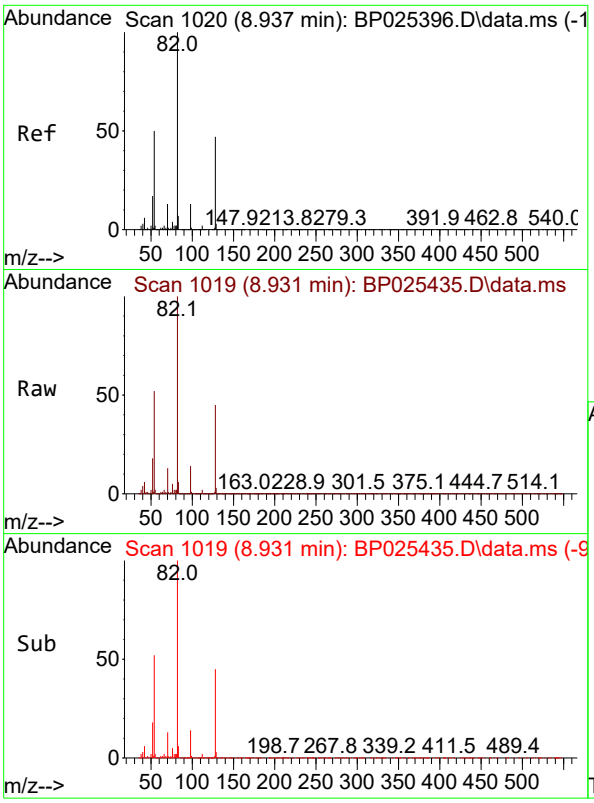


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:136 Resp: 655545

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.0	6.0	9.0
68	5.2	4.3	6.5



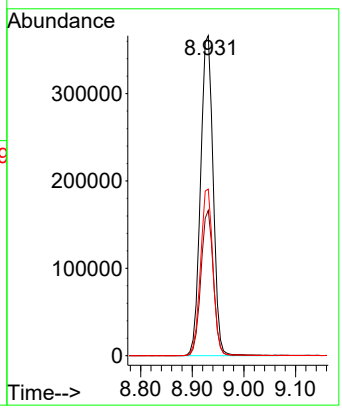


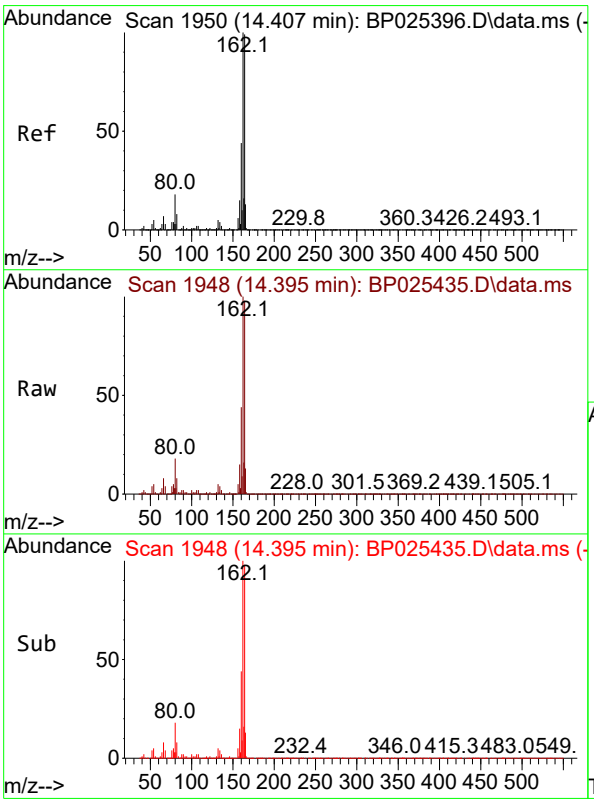
#23
Nitrobenzene-d5
Concen: 47.907 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion: 82 Resp: 620832

Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.7	56.5
54	52.1	39.8	59.6

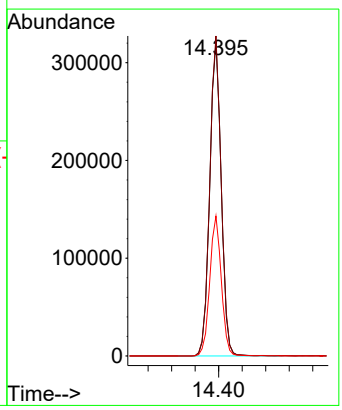


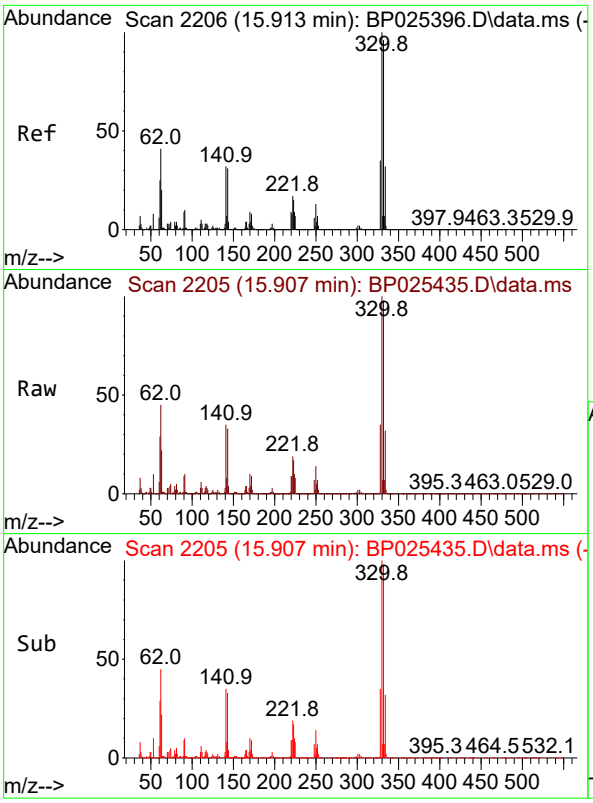


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:164 Resp: 437583

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.6
160	44.5	35.4	53.2



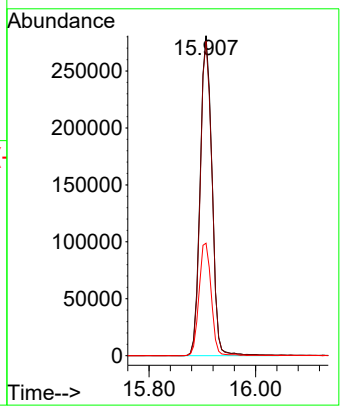


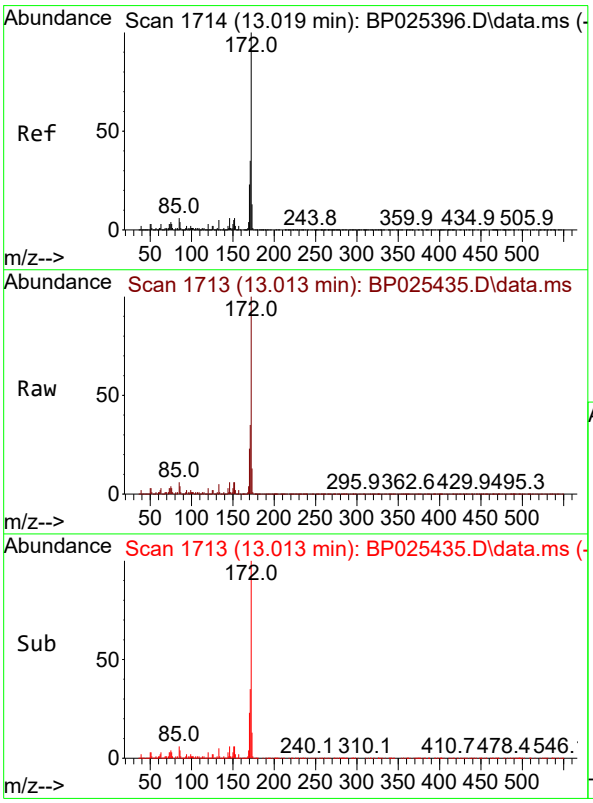
#42
2,4,6-Tribromophenol
Concen: 73.498 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion:330 Resp: 432896

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	36.2	26.6	39.8

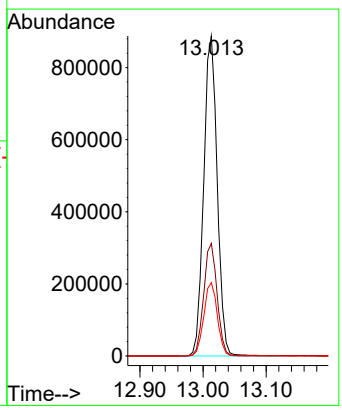


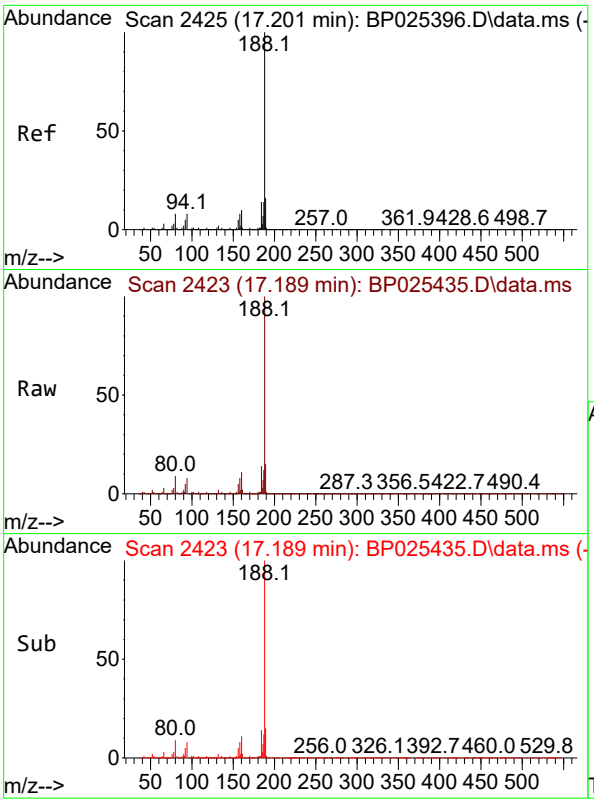


#45
2-Fluorobiphenyl
Concen: 41.238 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:172 Resp: 1320350

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	22.9	18.6	28.0



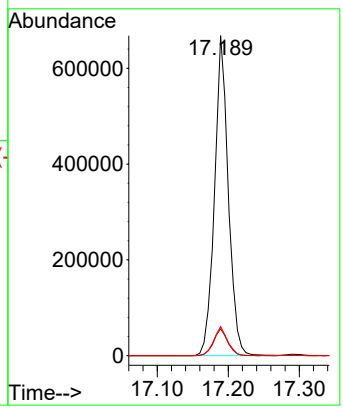


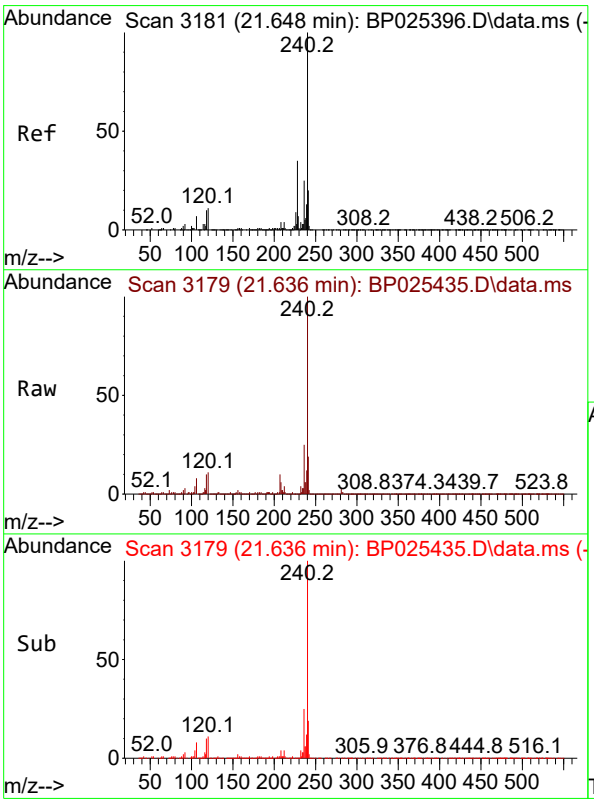
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion:188 Resp: 897708

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.1	6.7	10.1

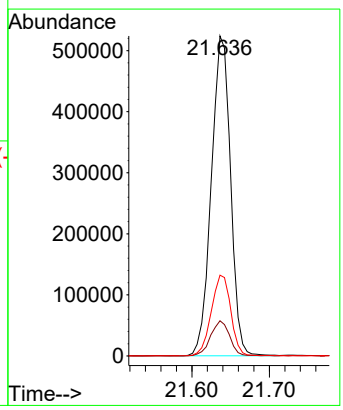


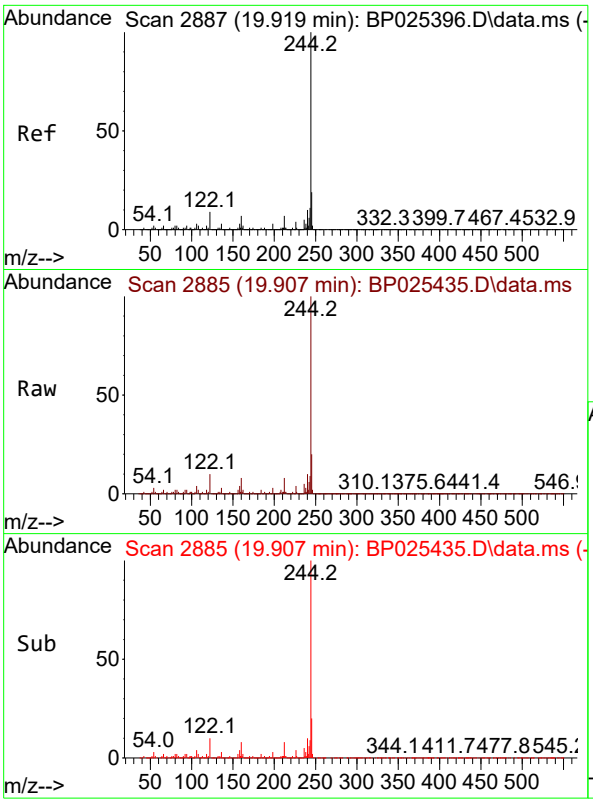


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:240 Resp: 903775

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.2	19.8	29.8



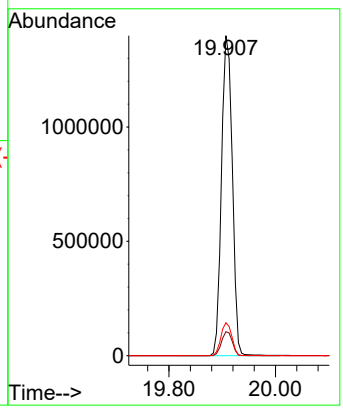


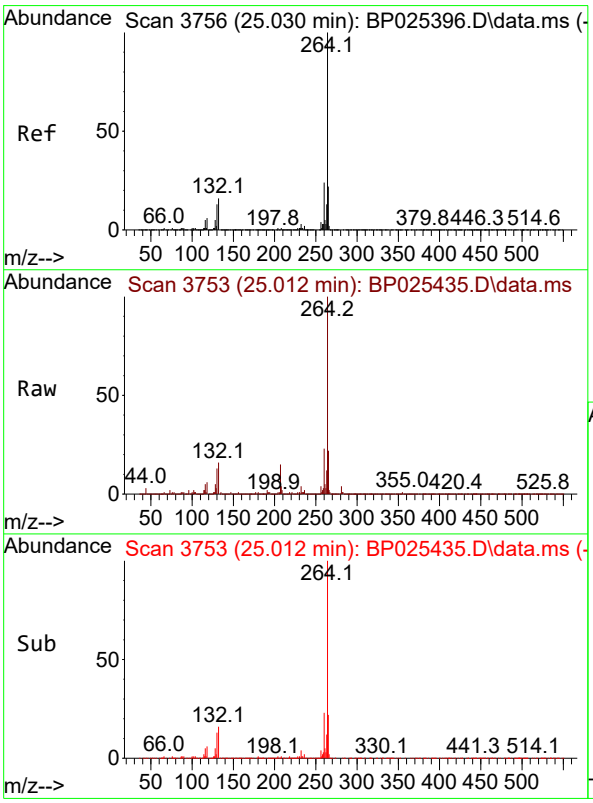
#79
Terphenyl-d14
Concen: 39.846 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Instrument :
BNA_P
ClientSampleId :
22M-WRE

Tgt Ion:244 Resp: 1968336

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.3	7.4	11.2

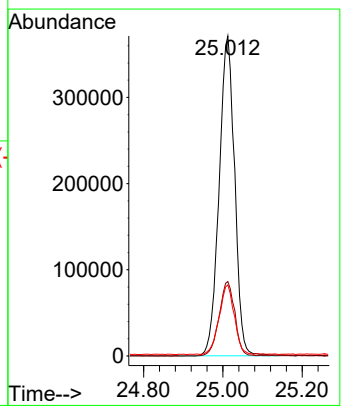




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025435.D
Acq: 15 Aug 2025 20:21

Tgt Ion:264 Resp: 1010900

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	22.2	17.4	26.0



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	790	U	460	790	970	ug/Kg
108-95-2	Phenol	380	U	64.8	380	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	71.3	380	500	ug/Kg
95-57-8	2-Chlorophenol	380	U	71.6	380	500	ug/Kg
95-48-7	2-Methylphenol	380	U	87.7	380	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	110	380	500	ug/Kg
98-86-2	Acetophenone	380	U	86.6	380	500	ug/Kg
65794-96-9	3+4-Methylphenols	790	U	120	790	970	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	140	230	230	ug/Kg
67-72-1	Hexachloroethane	380	U	51.6	380	500	ug/Kg
98-95-3	Nitrobenzene	380	U	53.7	380	500	ug/Kg
78-59-1	Isophorone	380	U	96.2	380	500	ug/Kg
88-75-5	2-Nitrophenol	380	U	170	380	500	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	190	380	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	90.4	380	500	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	83.0	380	500	ug/Kg
91-20-3	Naphthalene	380	U	66.6	380	500	ug/Kg
106-47-8	4-Chloroaniline	380	U	100	380	500	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	74.2	380	500	ug/Kg
105-60-2	Caprolactam	790	U	150	790	970	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	84.2	380	500	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	75.1	380	500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	790	U	340	790	970	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	58.1	380	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	85.4	380	500	ug/Kg
92-52-4	1,1-Biphenyl	380	U	64.0	380	500	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	66.0	380	500	ug/Kg
88-74-4	2-Nitroaniline	380	U	140	380	500	ug/Kg
131-11-3	Dimethylphthalate	380	U	79.5	380	500	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	U	84.8	380	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	98.6	380	500	ug/Kg
99-09-2	3-Nitroaniline	380	U	130	380	500	ug/Kg
83-32-9	Acenaphthene	380	U	62.5	380	500	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	670	790	970	ug/Kg
100-02-7	4-Nitrophenol	790	U	310	790	970	ug/Kg
132-64-9	Dibenzofuran	380	U	66.6	380	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	150	380	500	ug/Kg
84-66-2	Diethylphthalate	380	U	83.0	380	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	78.3	380	500	ug/Kg
86-73-7	Fluorene	380	U	74.2	380	500	ug/Kg
100-01-6	4-Nitroaniline	380	U	190	380	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790	U	300	790	970	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	96.5	380	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	81.6	380	500	ug/Kg
118-74-1	Hexachlorobenzene	380	U	74.2	380	500	ug/Kg
1912-24-9	Atrazine	380	U	99.8	380	500	ug/Kg
87-86-5	Pentachlorophenol	790	U	150	790	970	ug/Kg
85-01-8	Phenanthrene	380	U	61.3	380	500	ug/Kg
120-12-7	Anthracene	380	U	97.7	380	500	ug/Kg
86-74-8	Carbazole	380	U	91.6	380	500	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	140	380	500	ug/Kg
206-44-0	Fluoranthene	380	U	88.0	380	500	ug/Kg
129-00-0	Pyrene	380	U	110	380	500	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	210	380	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790	U	110	790	970	ug/Kg
56-55-3	Benzo(a)anthracene	380	U	67.5	380	500	ug/Kg
218-01-9	Chrysene	380	U	58.4	380	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	170	380	500	ug/Kg
117-84-0	Di-n-octyl phthalate	790	U	250	790	970	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	U	55.8	380	500	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	380	U	65.7	380	500	ug/Kg
50-32-8	Benzo(a)pyrene	380	U	86.6	380	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380	U	85.4	380	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	80.4	380	500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380	U	75.4	380	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	75.1	380	500	ug/Kg
123-91-1	1,4-Dioxane	380	UQ	130	380	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	80.4	380	500	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.7		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	77.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.0		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.6		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.9		39 - 132		52%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	171000	7.784				
1146-65-2	Naphthalene-d8	650000	10.555				
15067-26-2	Acenaphthene-d10	384000	14.401				
1517-22-2	Phenanthrene-d10	762000	17.195				
1719-03-5	Chrysene-d12	898000	21.63				
1520-96-3	Perylene-d12	1030000	24.989				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	470	AB			4.95	ug/Kg
000119-61-9	Benzophenone	710	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	640	J			18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	440	JB			19.4	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	560	JB			19.6	ug/Kg
000646-13-9	Octadecanoic acid, 2-methylpropyl	230	J			20.5	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000123-95-5	Octadecanoic acid, butyl ester	460	JB			20.7	ug/Kg
077899-03-7	1-Heneicosyl formate	770	J			21.3	ug/Kg
000629-97-0	Docosane	200	J			21.9	ug/Kg
000593-45-3	Octadecane	300	J			22.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Time: Aug 21 03:07:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

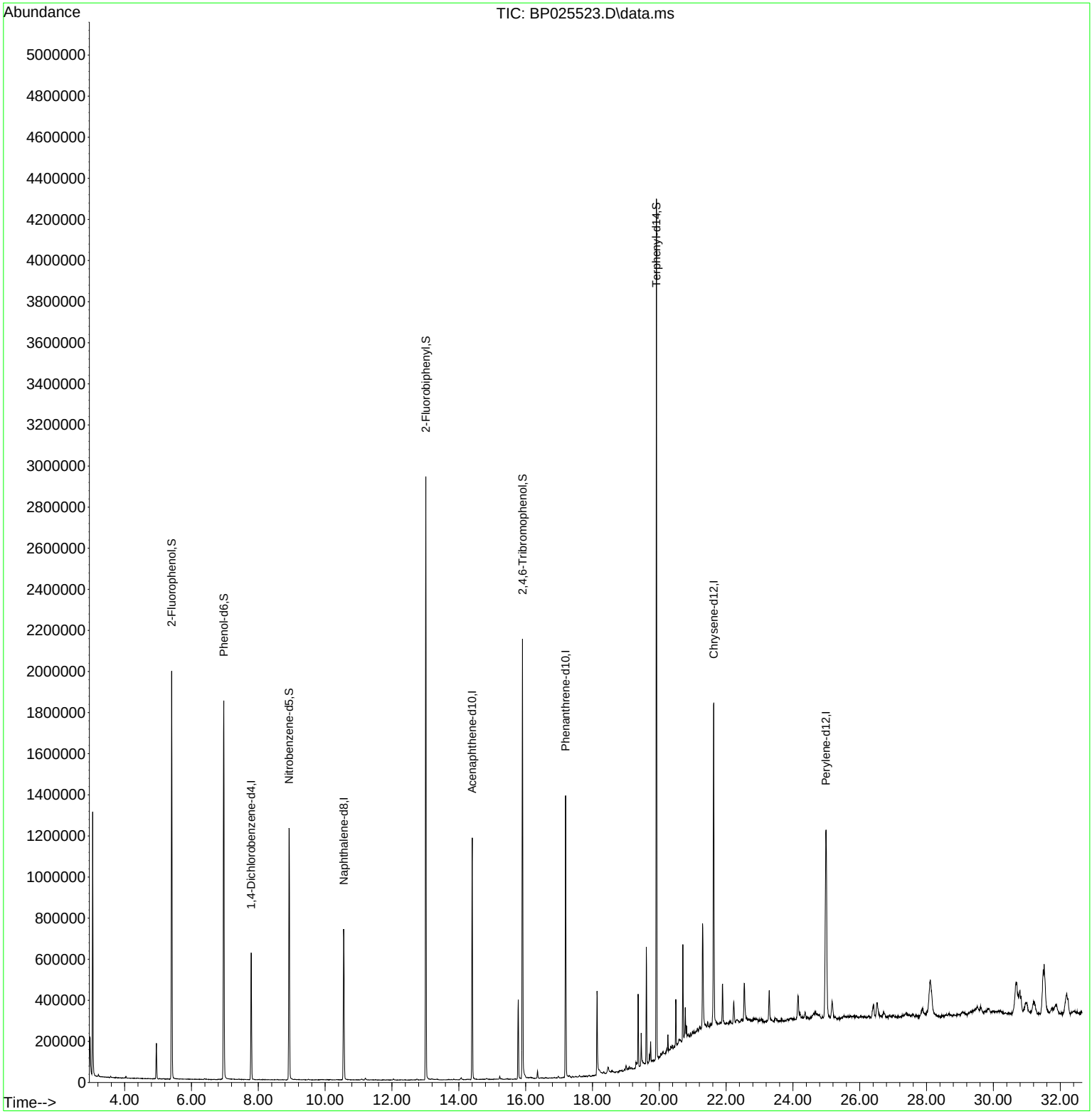
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	171214	20.000	ng	-0.01
21) Naphthalene-d8	10.555	136	649977	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	383584	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	762449	20.000	ng	0.00
76) Chrysene-d12	21.630	240	897949	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1034574	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	831479	80.650	ng	0.00
7) Phenol-d6	6.966	99	1019045	77.095	ng	0.00
23) Nitrobenzene-d5	8.919	82	693927	54.006	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	402104	77.881	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	1278668	45.558	ng	0.00
79) Terphenyl-d14	19.913	244	1855306	37.802	ng	0.00
Target Compounds						Qvalue

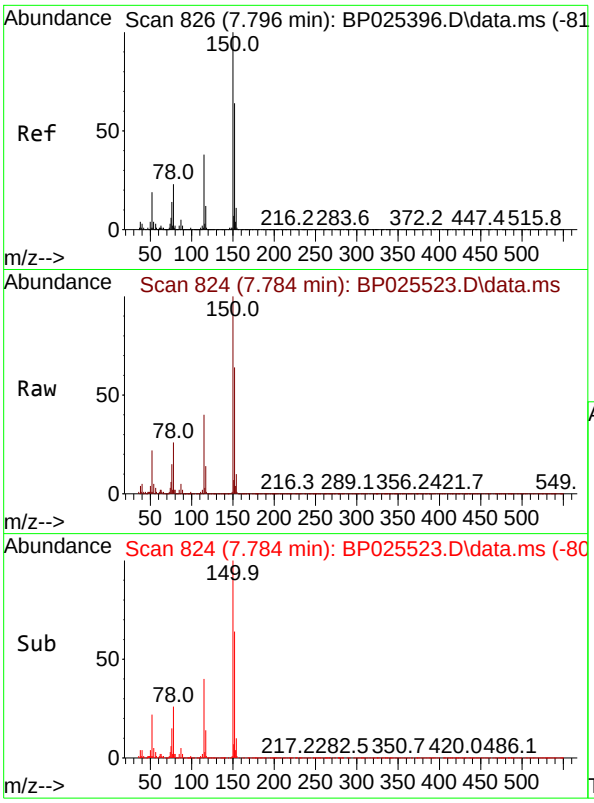
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Time: Aug 21 03:07:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



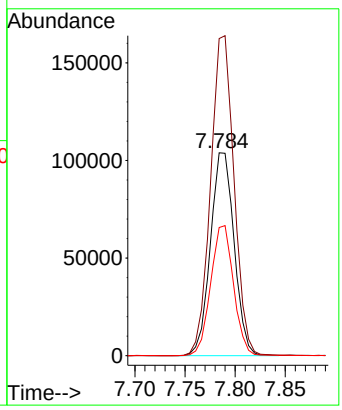


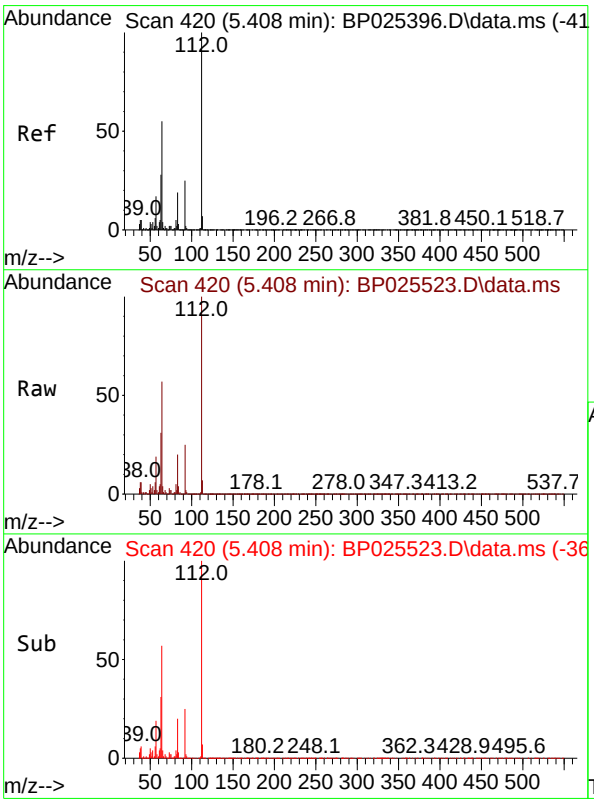
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion:152 Resp: 171214

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.9	188.9
115	63.2	48.5	72.7

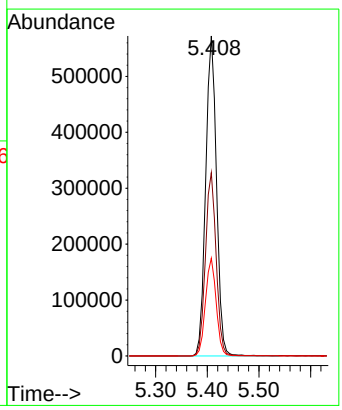


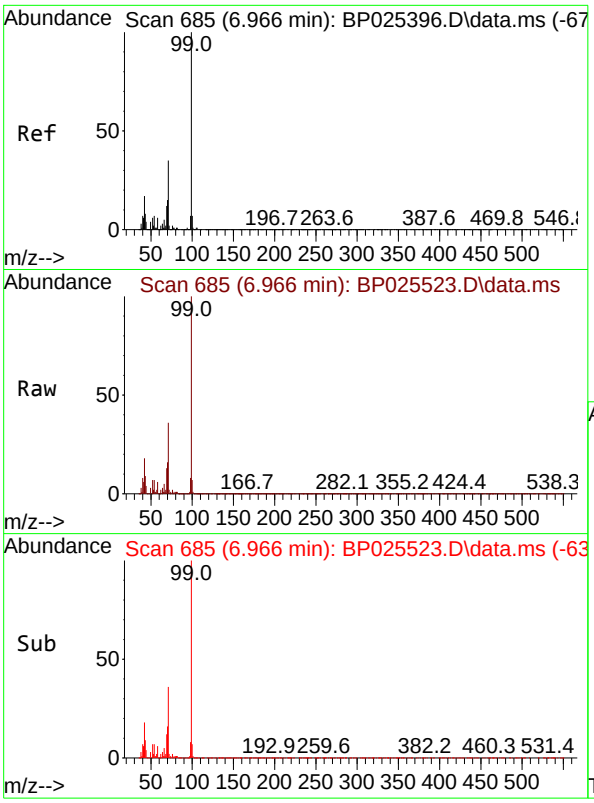


#5
2-Fluorophenol
Concen: 80.650 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:112 Resp: 831479

Ion	Ratio	Lower	Upper
112	100		
64	57.2	43.8	65.8
63	30.6	22.7	34.1



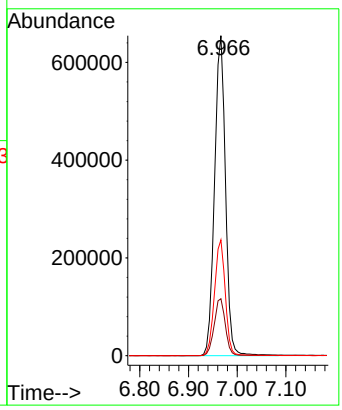


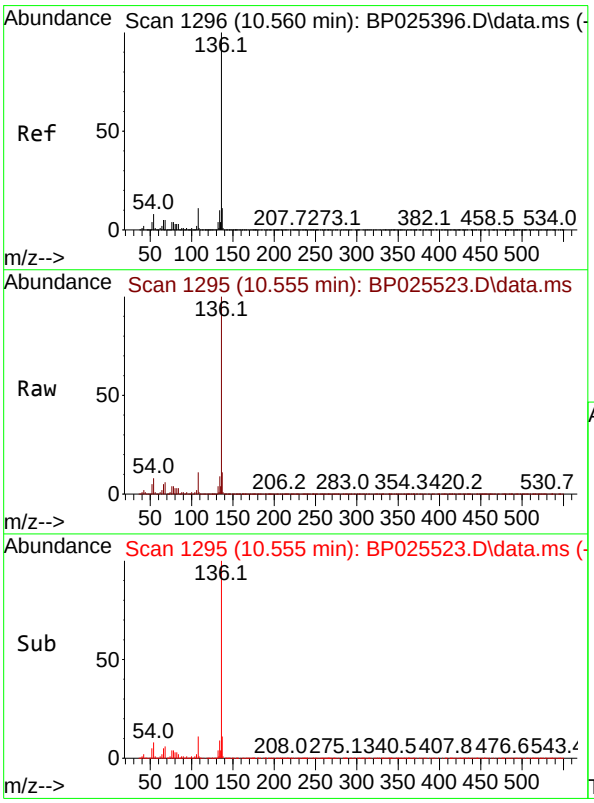
#7
Phenol-d6
Concen: 77.095 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion: 99 Resp: 1019045

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.7	20.5
71	36.2	28.2	42.4

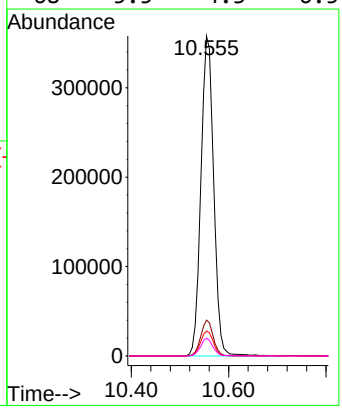


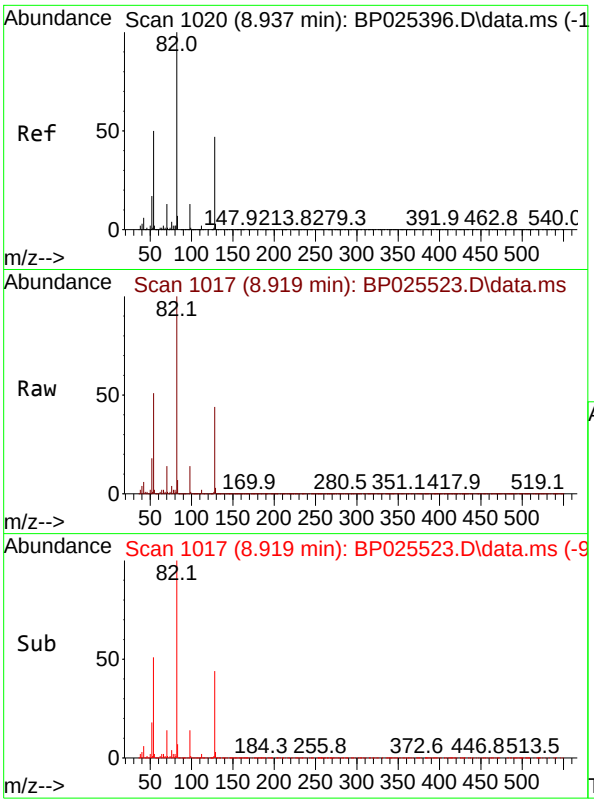


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:136 Resp: 649977

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



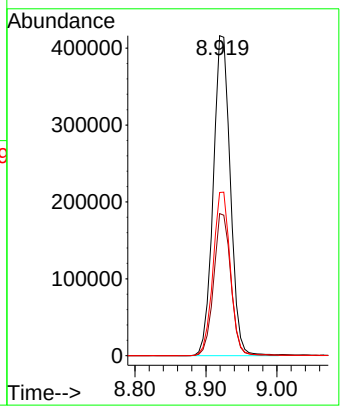


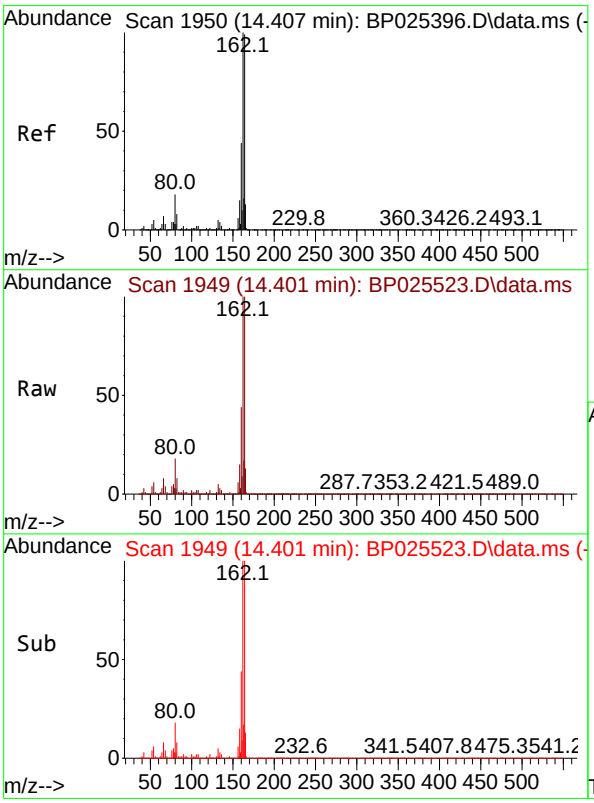
#23
Nitrobenzene-d5
Concen: 54.006 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion: 82 Resp: 693927

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.7	56.5
54	51.0	39.8	59.6

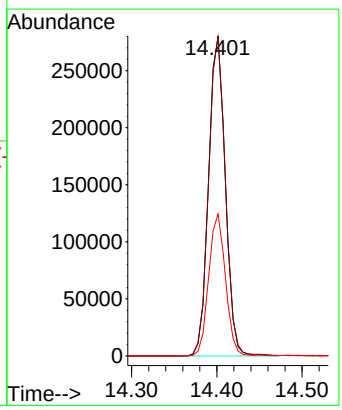


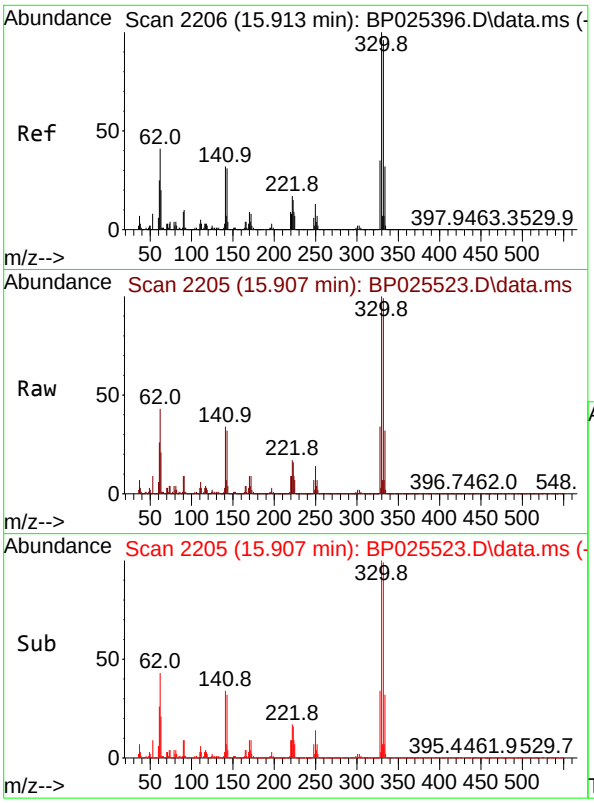


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:164 Resp: 383584

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.6
160	44.5	35.4	53.2



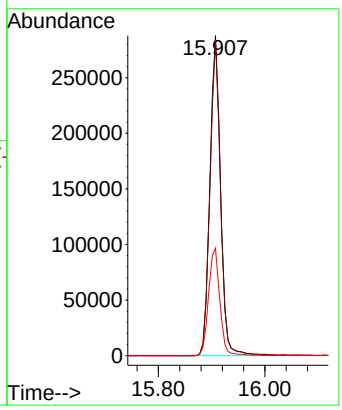


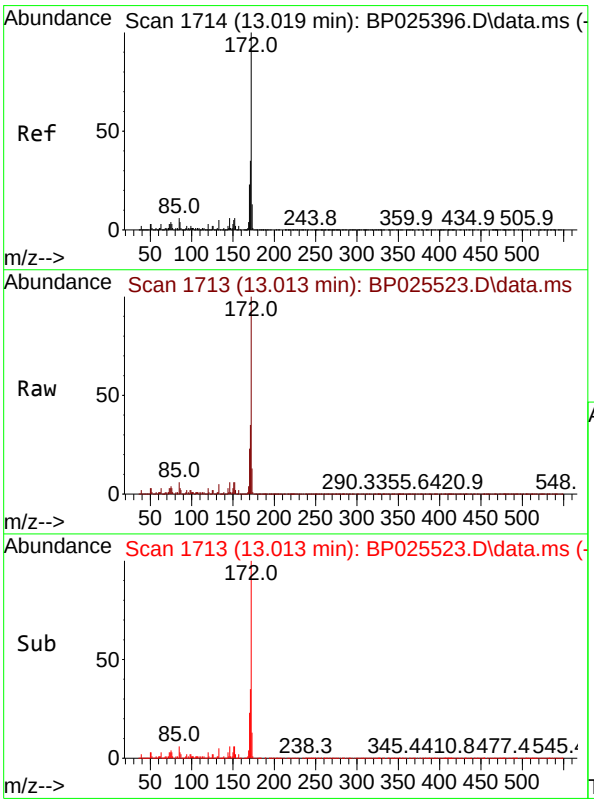
#42
2,4,6-Tribromophenol
Concen: 77.881 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion:330 Resp: 402104

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	35.4	26.6	39.8

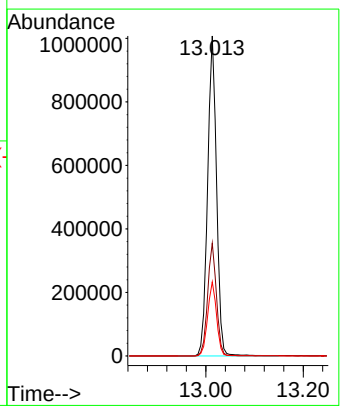


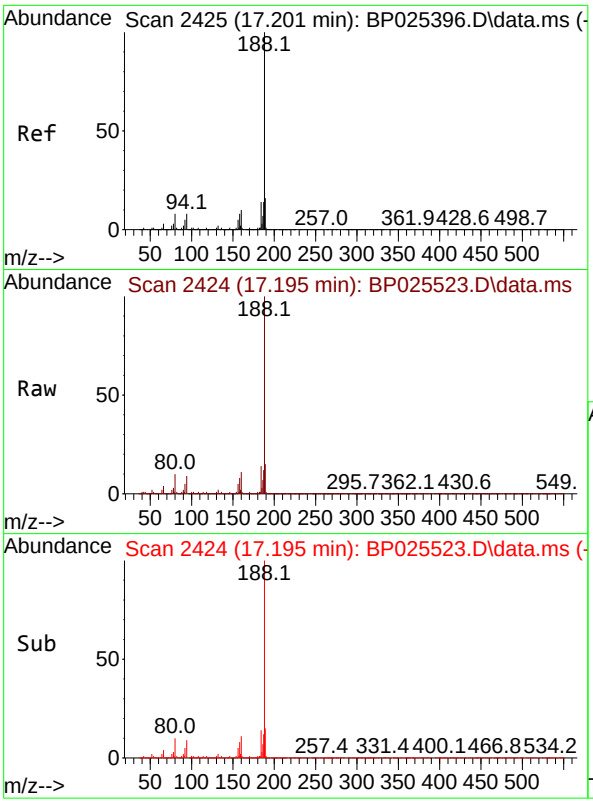


#45
2-Fluorobiphenyl
Concen: 45.558 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:172 Resp: 1278668

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.2	18.6	28.0



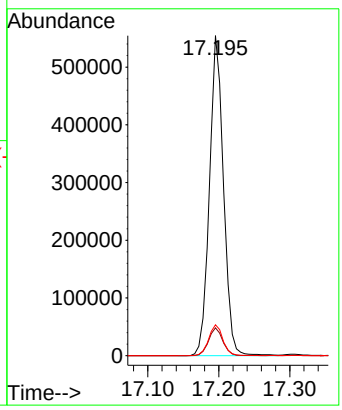


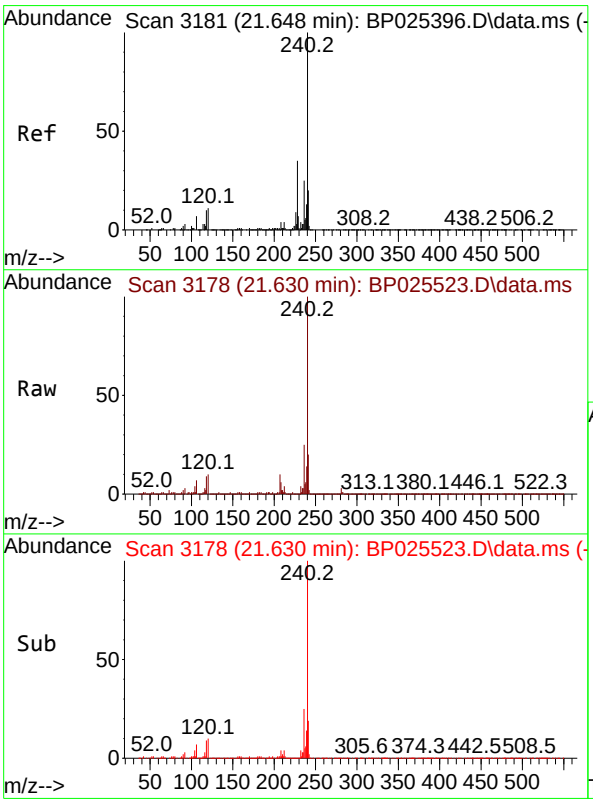
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion:188 Resp: 762449

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.7	6.7	10.1

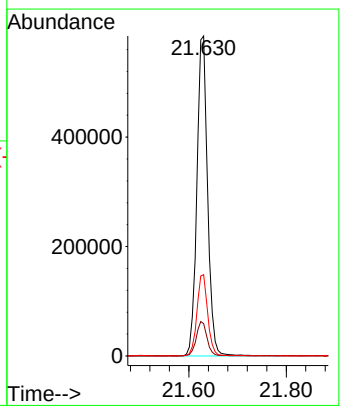


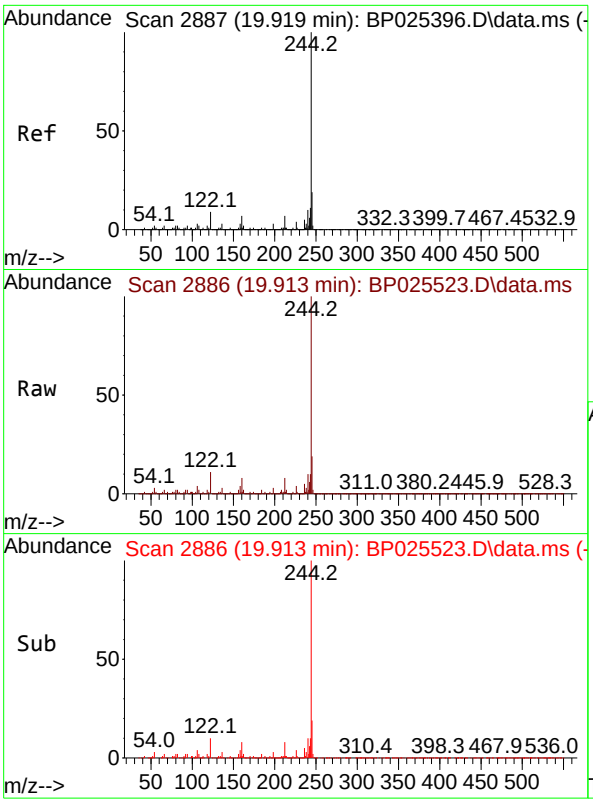


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:240 Resp: 897949

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.4	19.8	29.8



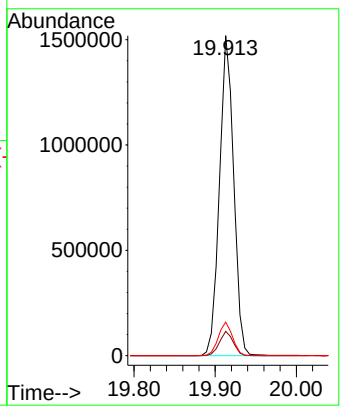


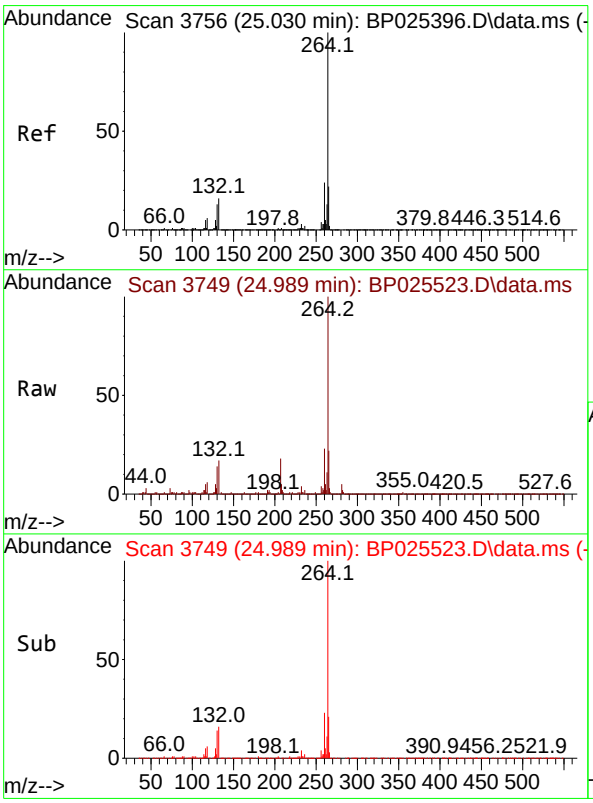
#79
Terphenyl-d14
Concen: 37.802 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Instrument :
BNA_P
ClientSampleId :
22M-E

Tgt Ion:244 Resp: 1855306

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.5	7.4	11.2

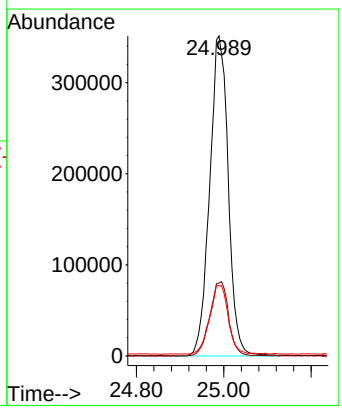




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025523.D
Acq: 21 Aug 2025 01:56

Tgt Ion:264 Resp: 1034574

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.3	28.9
265	21.9	17.4	26.0



Sample Results: **BP025523.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025523.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.043	13	18	33	rVB	1284718	1566911	30.88%	4.126%
2	4.949	336	342	351	rVB	173444	245349	4.84%	0.646%
3	5.408	413	420	434	rBV	1985057	2877697	56.71%	7.578%
4	6.966	676	685	701	rBV	1841134	2885289	56.86%	7.598%
5	7.784	814	824	832	rBV	616519	1011287	19.93%	2.663%
6	8.919	1009	1017	1031	rBV	1224654	2061474	40.63%	5.428%
7	10.555	1287	1295	1308	rBV	734094	1324316	26.10%	3.487%
8	13.013	1705	1713	1729	rBV	2936996	3743811	73.78%	9.858%
9	14.401	1942	1949	1956	rBV	1176772	1631491	32.15%	4.296%
10	15.778	2177	2183	2191	rBV	385530	588083	11.59%	1.549%
11	15.907	2198	2205	2226	rBV	2140386	3144366	61.97%	8.280%
12	16.354	2276	2281	2291	rVB	36730	54717	1.08%	0.144%
13	17.195	2417	2424	2434	rBV	1372838	1917447	37.79%	5.049%
14	18.136	2579	2584	2593	rBV	409858	628686	12.39%	1.655%
15	18.466	2635	2640	2653	rVB4	24138	60531	1.19%	0.159%
16	19.366	2789	2793	2799	rVB	352029	430153	8.48%	1.133%
17	19.460	2805	2809	2818	rBV	157926	219545	4.33%	0.578%
18	19.613	2830	2835	2841	rBV	567512	683671	13.47%	1.800%
19	19.742	2853	2857	2862	rVB	97783	119864	2.36%	0.316%
20	19.913	2881	2886	2892	rBV	4182494	5074164	100.00%	13.362%
21	20.260	2941	2945	2948	rVB	80237	88587	1.75%	0.233%
22	20.495	2981	2985	2990	rBV	226595	275122	5.42%	0.724%
23	20.707	3017	3021	3026	rBV	465779	557827	10.99%	1.469%
24	20.778	3030	3033	3037	rVV	129849	146917	2.90%	0.387%
25	21.295	3117	3121	3133	rBV2	498671	929228	18.31%	2.447%
26	21.630	3172	3178	3186	rVB	1545468	2369794	46.70%	6.240%
27	21.895	3219	3223	3227	rVB	181131	245453	4.84%	0.646%
28	22.542	3329	3333	3346	rVB2	173309	362129	7.14%	0.954%
29	24.989	3740	3749	3766	rVB2	911355	2731787	53.84%	7.194%

Sum of corrected areas: 37975696

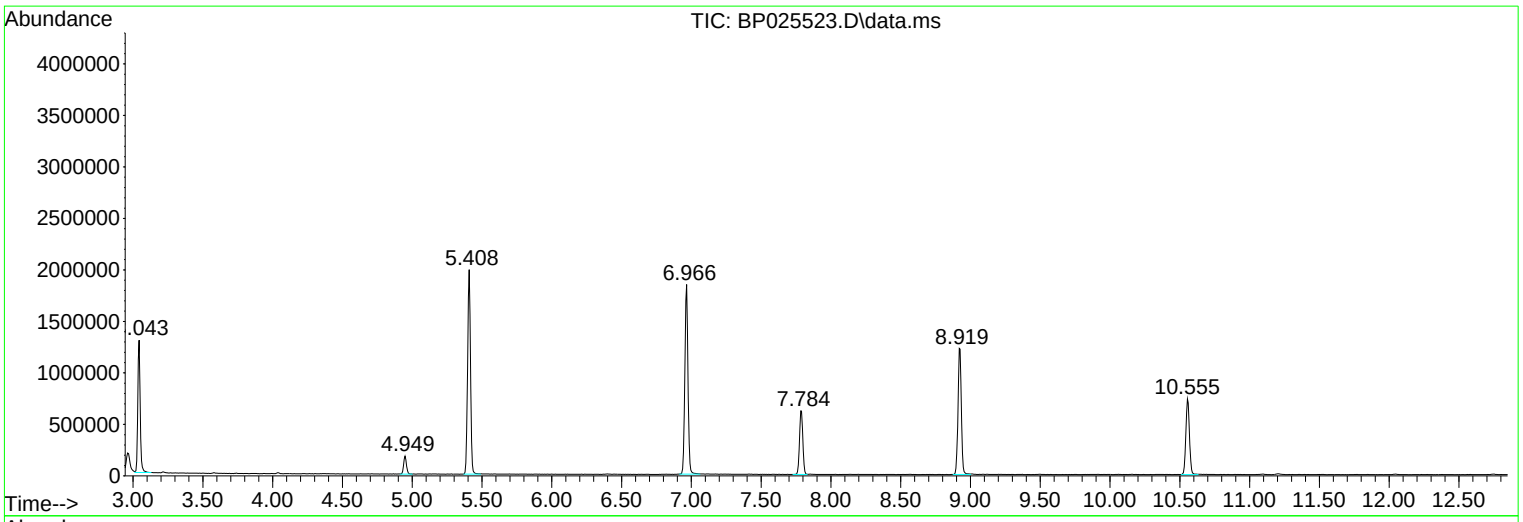
Sample Results: **BP025523.D**

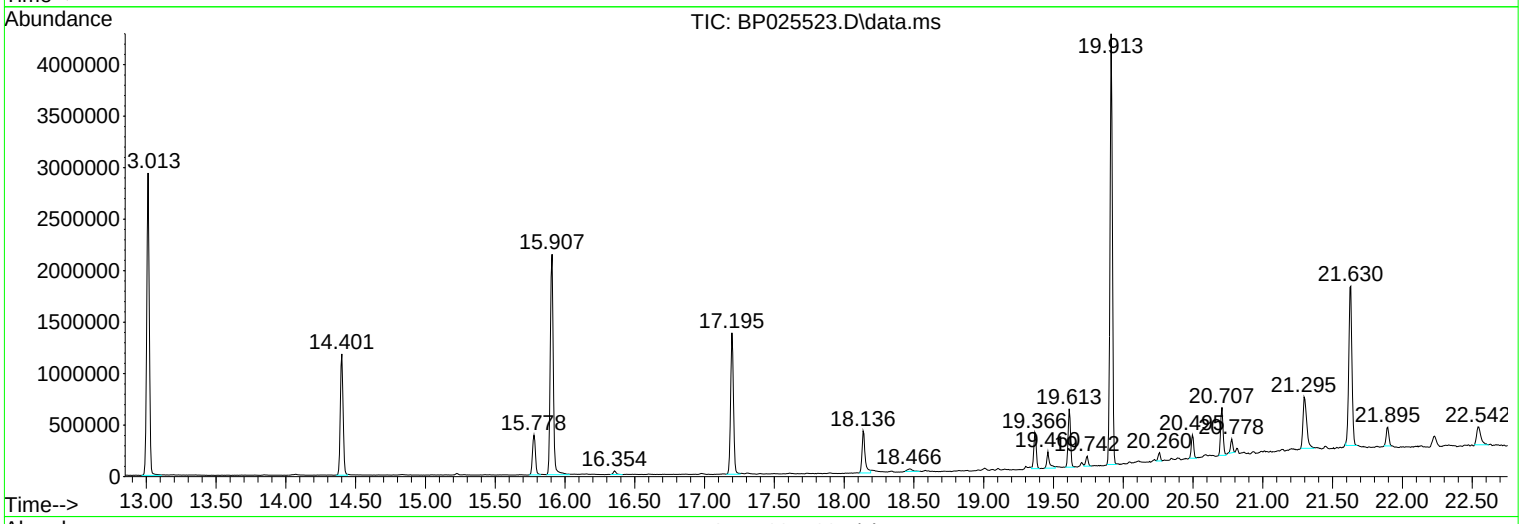
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

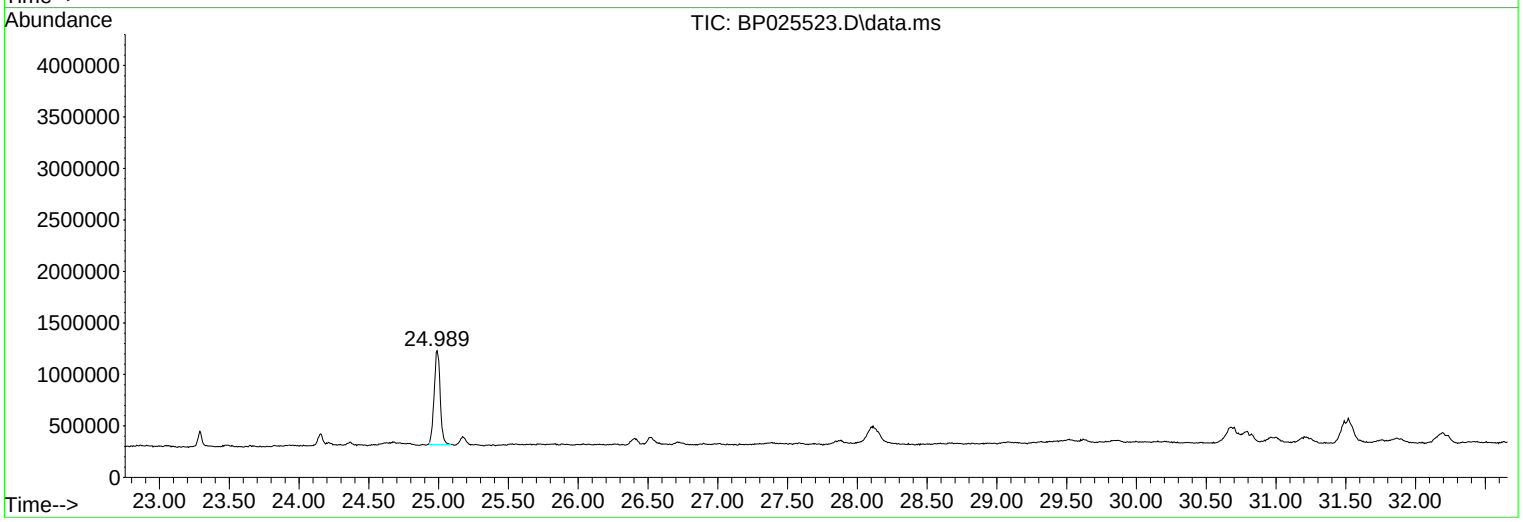
Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

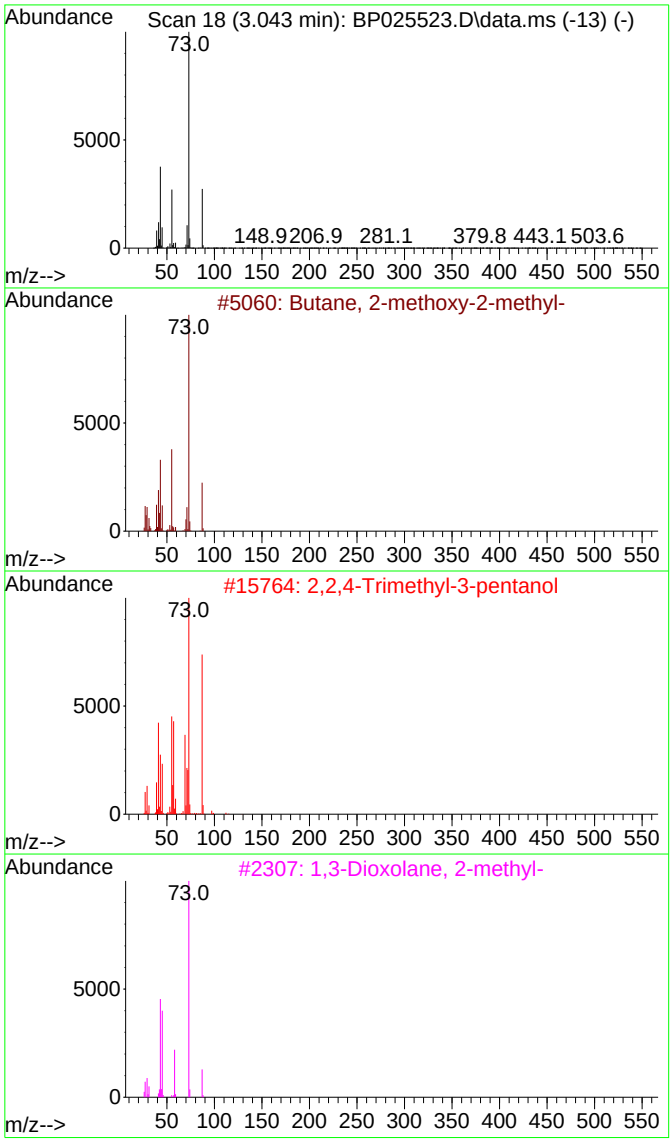
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

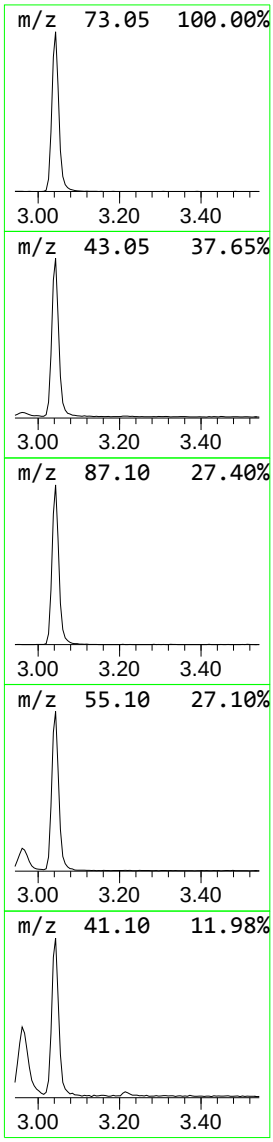
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.043	30.99 ng	1566910	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

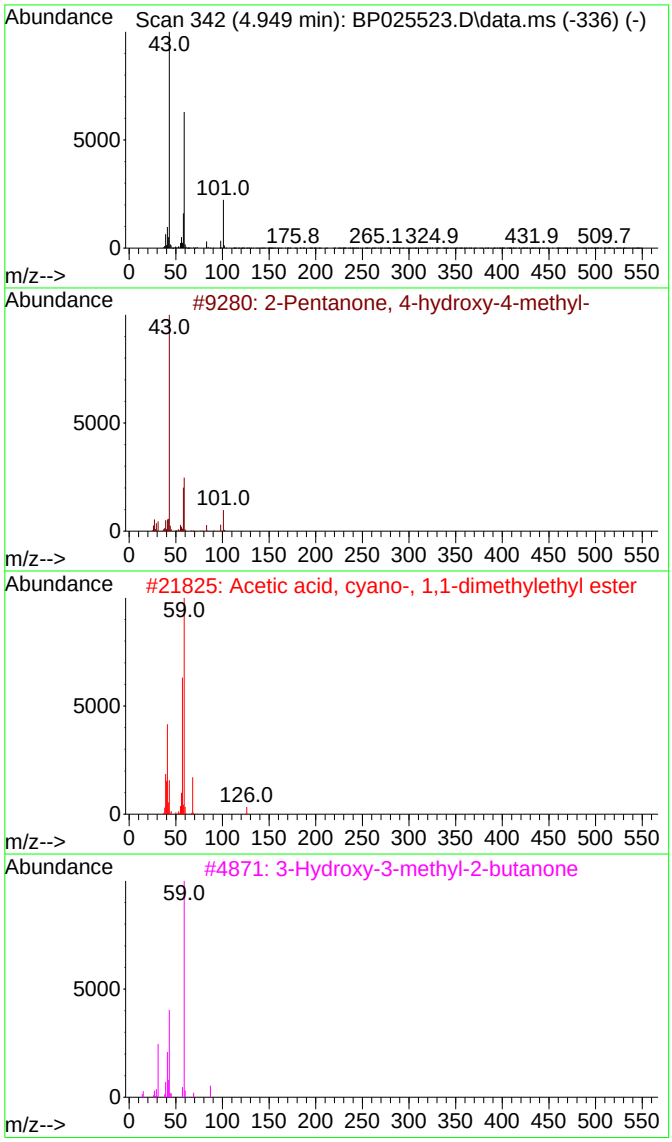
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

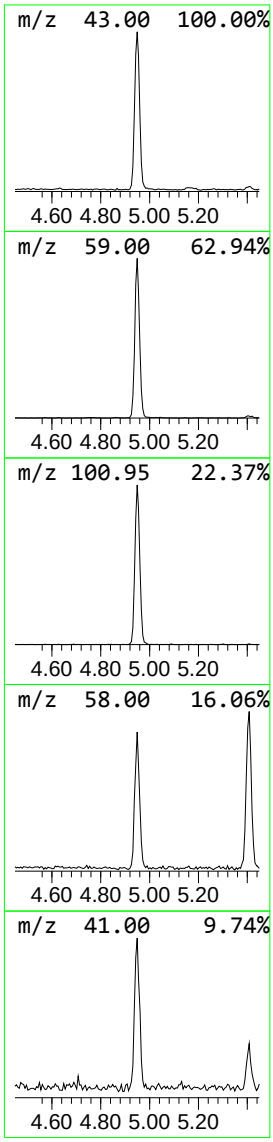
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	4.85 ng	245349	1,4-Dichlorobenzene-d4	7.784

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4	Hexanamide	115	C6H13NO	000628-02-4	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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Data File : BP025523.D
Acq On : 21 Aug 2025 01:56
Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

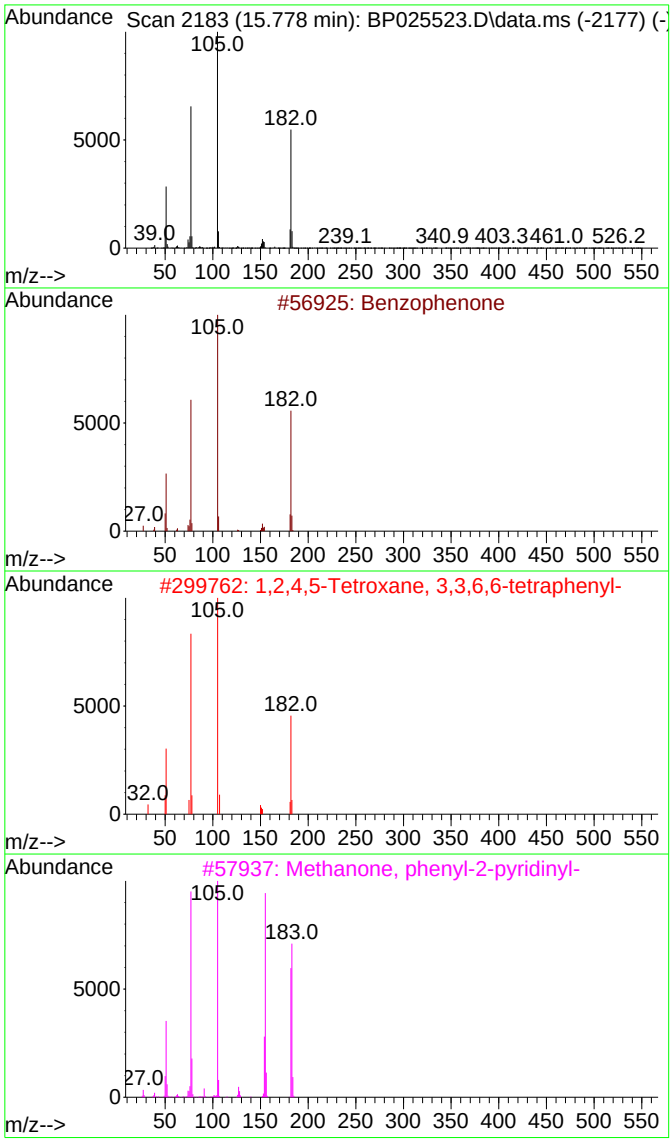
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

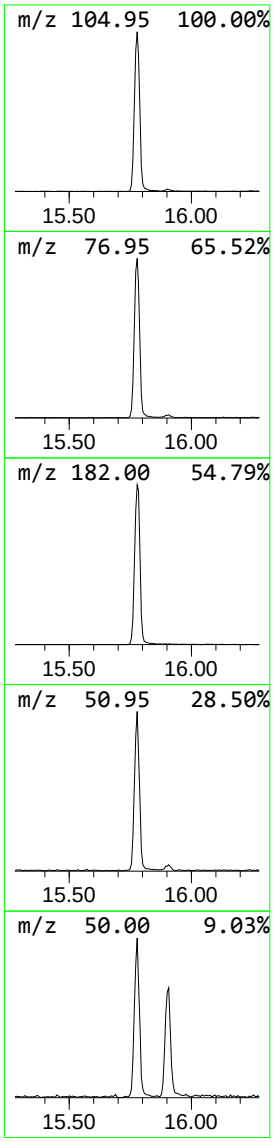
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	7.21 ng	588083	Acenaphthene-d10	14.401

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	64
4	Azobenzene	182	C12H10N2	000103-33-3	42
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	22





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Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

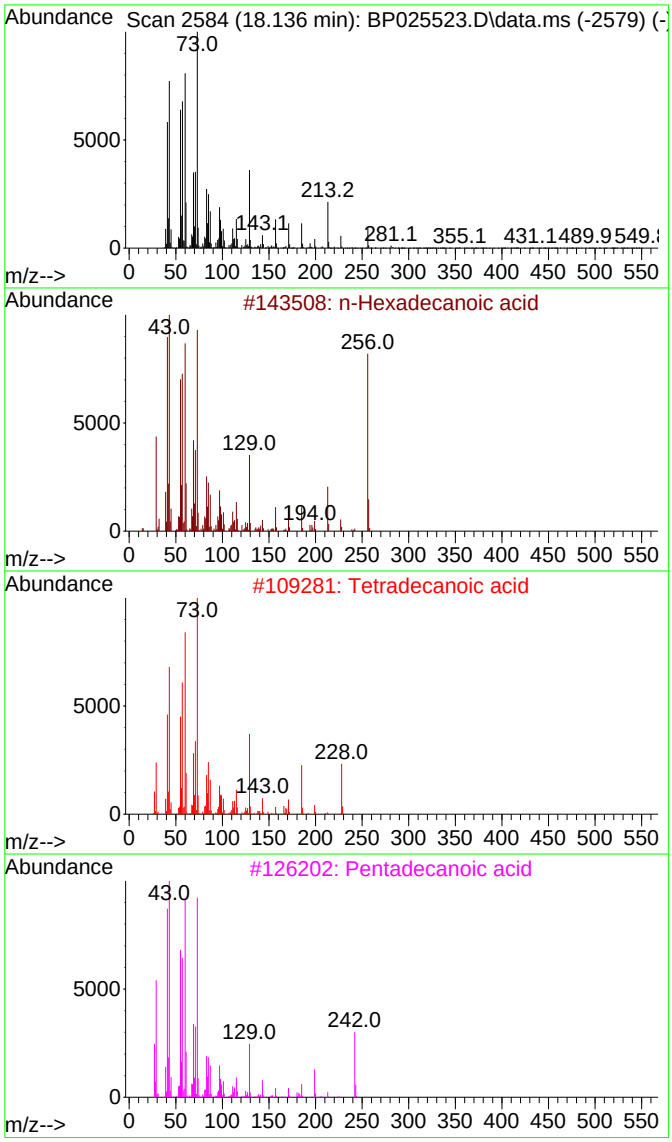
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

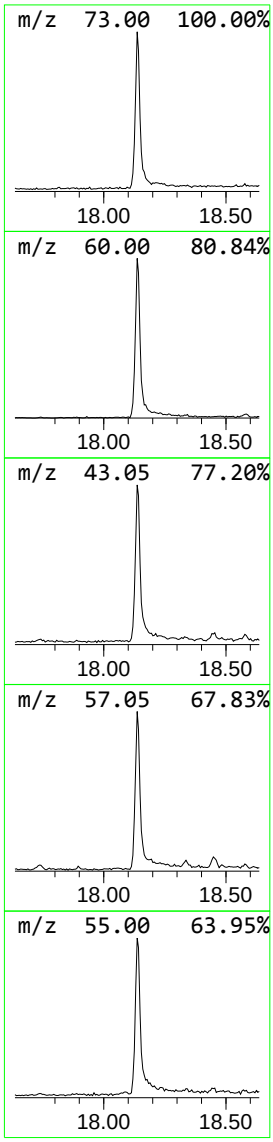
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.137	6.56 ng	628686	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Octadecanoic acid	284	C18H36O2	000057-11-4	89





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Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

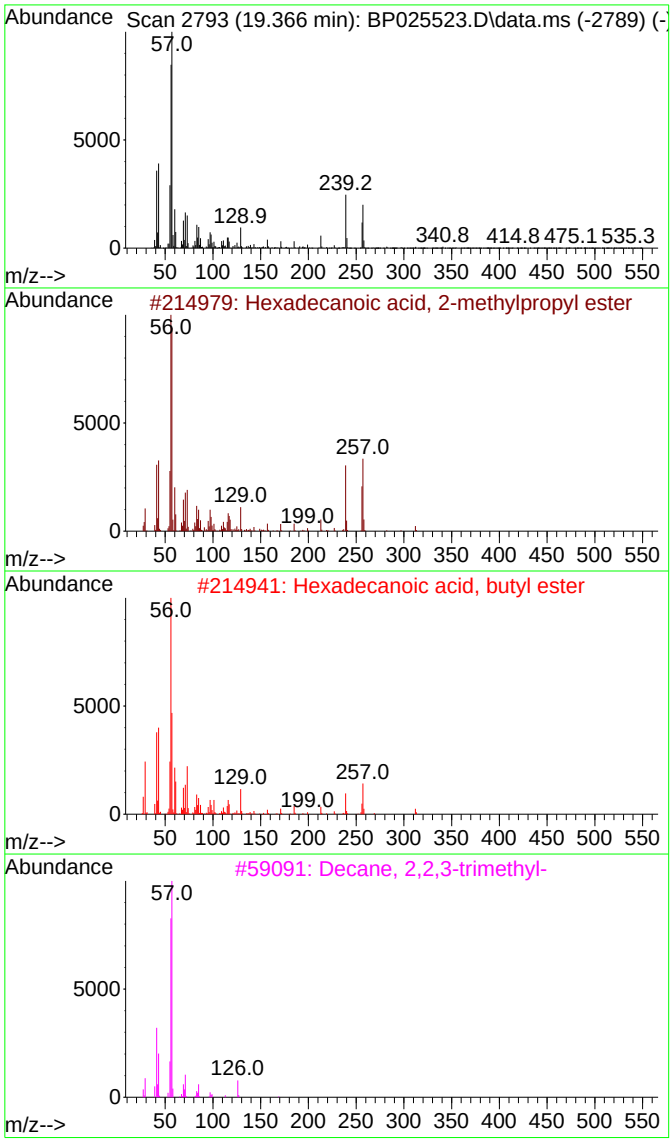
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

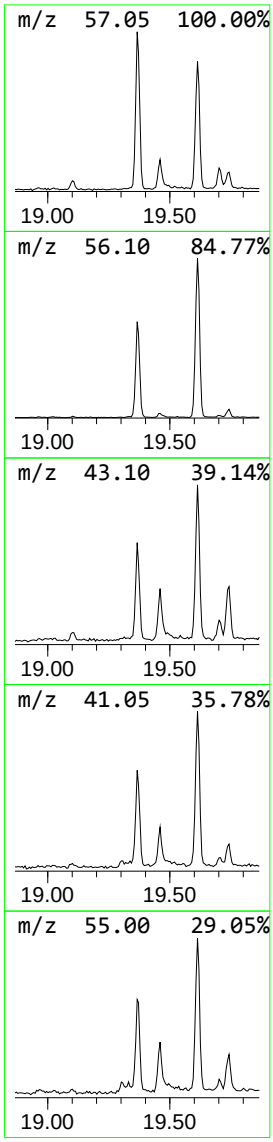
****

Peak Number 5 Hexadecanoic acid, 2-methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.366	4.49 ng	430153	Phenanthrene-d10	17.195

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	64
3	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	38
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	38
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	35





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Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

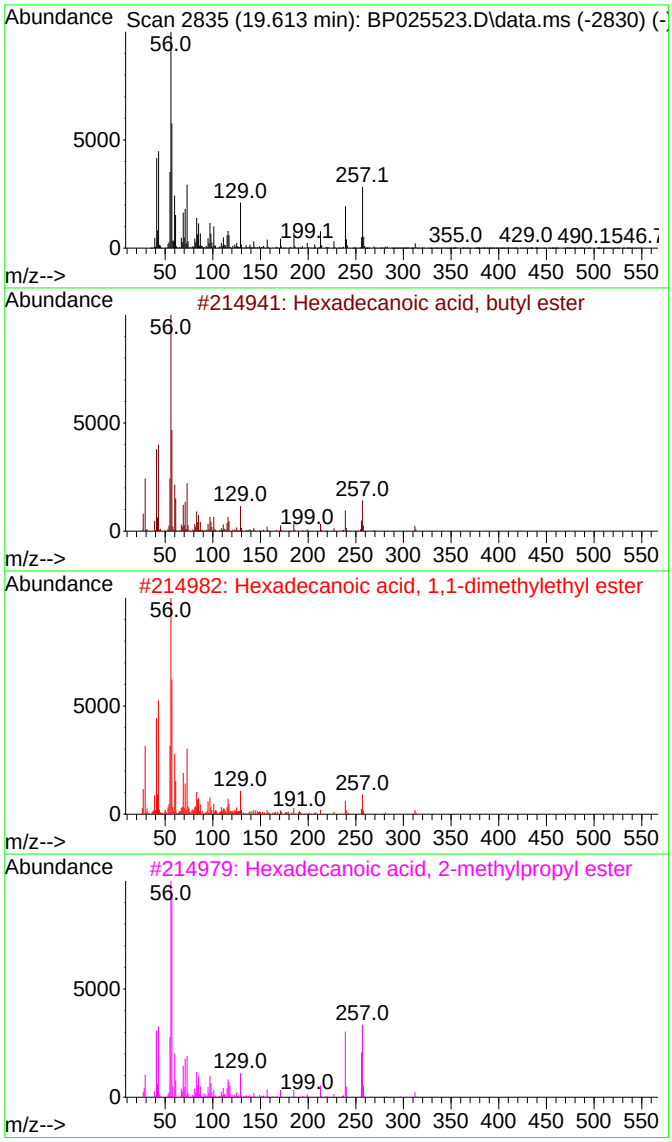
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

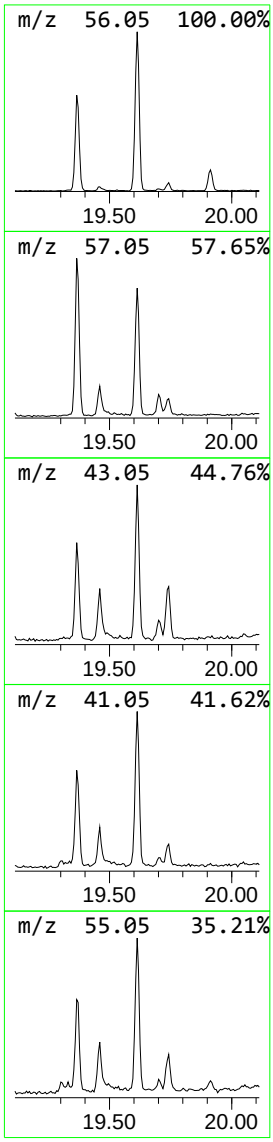
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.613	5.77 ng	683671	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
4	Nipecotic acid	129	C6H11NO2	000498-95-3	47
5	Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	38





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Operator : CG/JU
Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

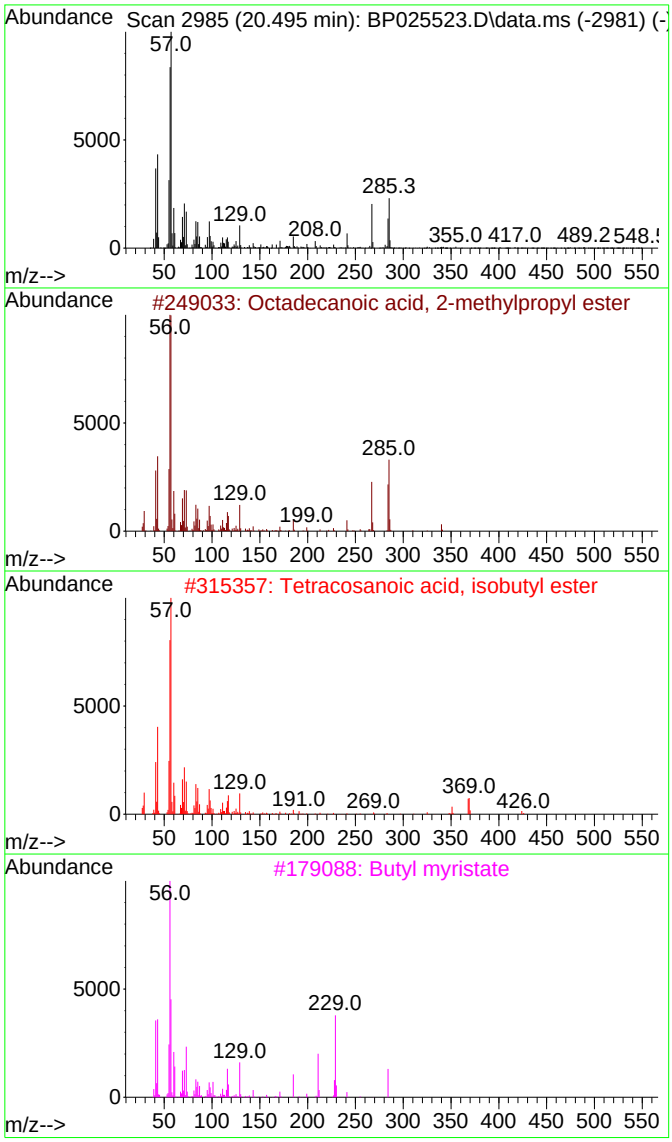
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

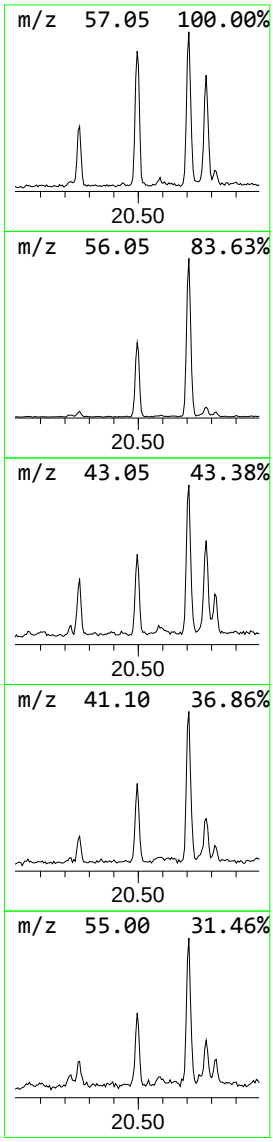
****

Peak Number 7 Octadecanoic acid, 2-methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.495	2.32 ng	275122	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	90
2	Tetracosanoic acid, isobutyl ester	424	C28H56O2	1010405-17-3	70
3	Butyl myristate	284	C18H36O2	000110-36-1	47
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	43
5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	43





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Acq On    : 21 Aug 2025  01:56
Operator  : CG/JU
Sample    : Q2820-23
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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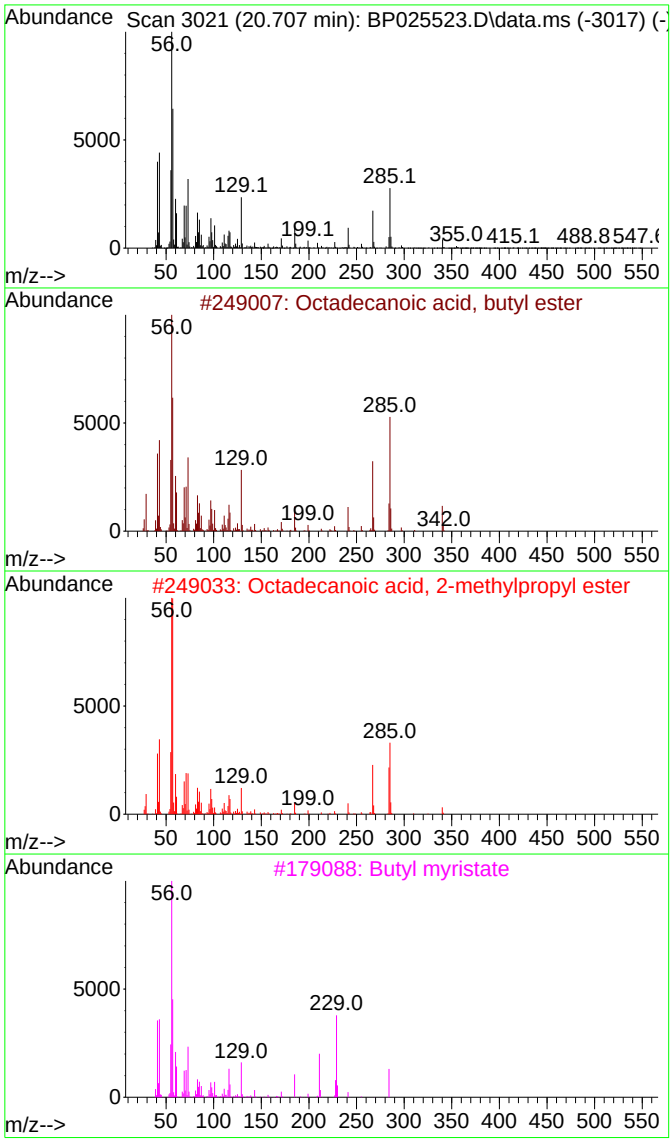
Instrument :
BNA_P
ClientSampleId :
22M-E

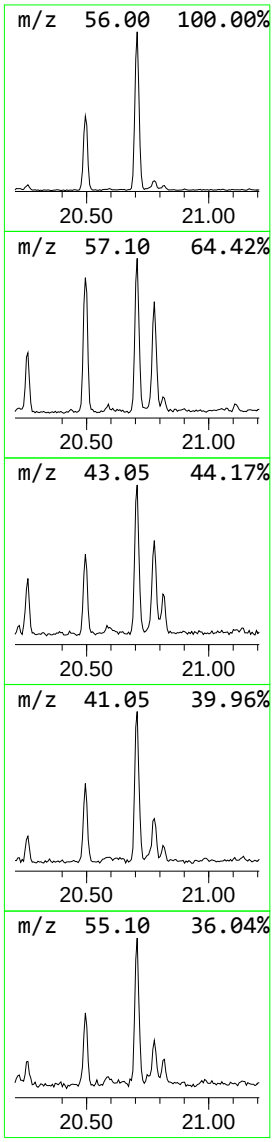
****

Peak Number 8 Octadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.707	4.71 ng	557827	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	96
2	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	89
3	Butyl myristate	284	C18H36O2	000110-36-1	52
4	Nipecotic acid	129	C6H11NO2	000498-95-3	47
5	Undecane, 5-methylene-	168	C12H24	005698-48-6	30





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

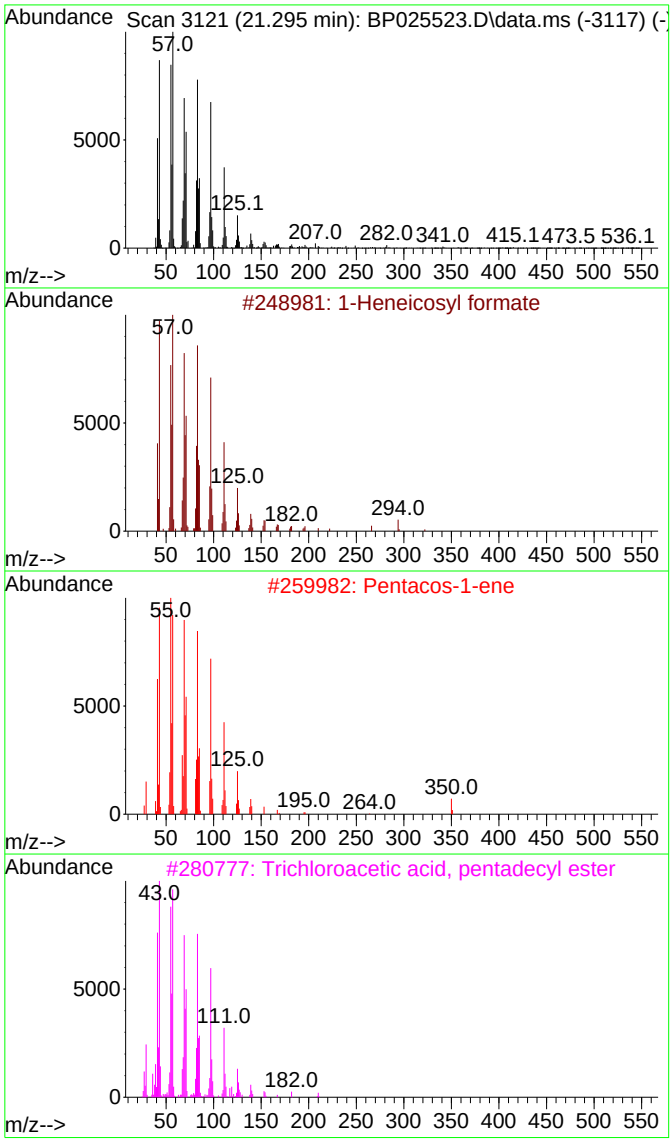
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

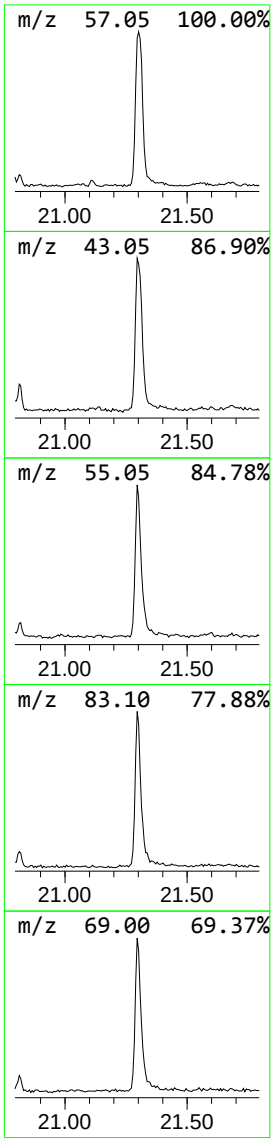
****

Peak Number 9 1-Heneicosyl formate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	7.84 ng	929228	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
2	Pentacos-1-ene	350	C25H50	016980-85-1	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94





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Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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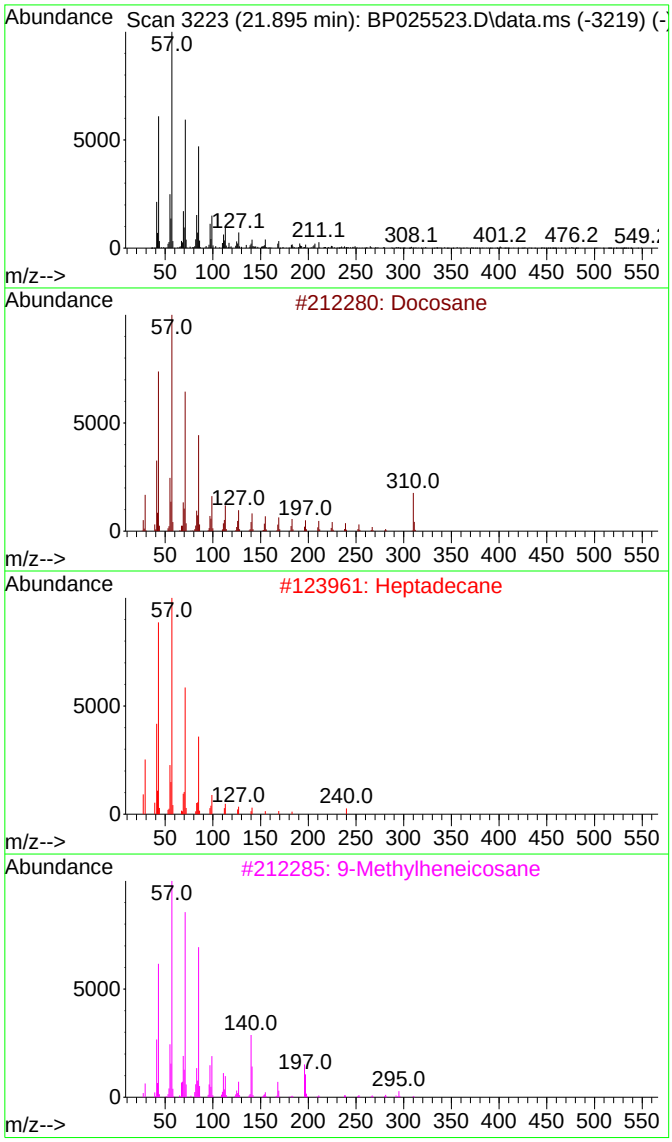
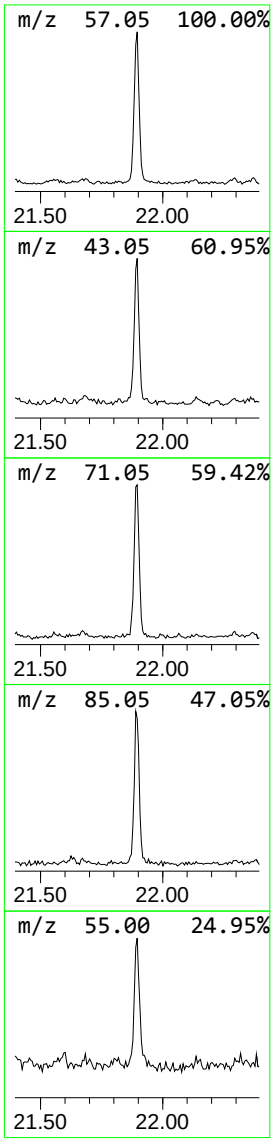
Peak Number 10 Docosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.895	2.07 ng	245453	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	93
2	Heptadecane	240	C17H36	000629-78-7	93
3	9-Methylheneicosane	310	C22H46	070475-51-3	91
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5	Hexacosane	366	C26H54	000630-01-3	90





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ALS Vial : 13 Sample Multiplier: 1

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BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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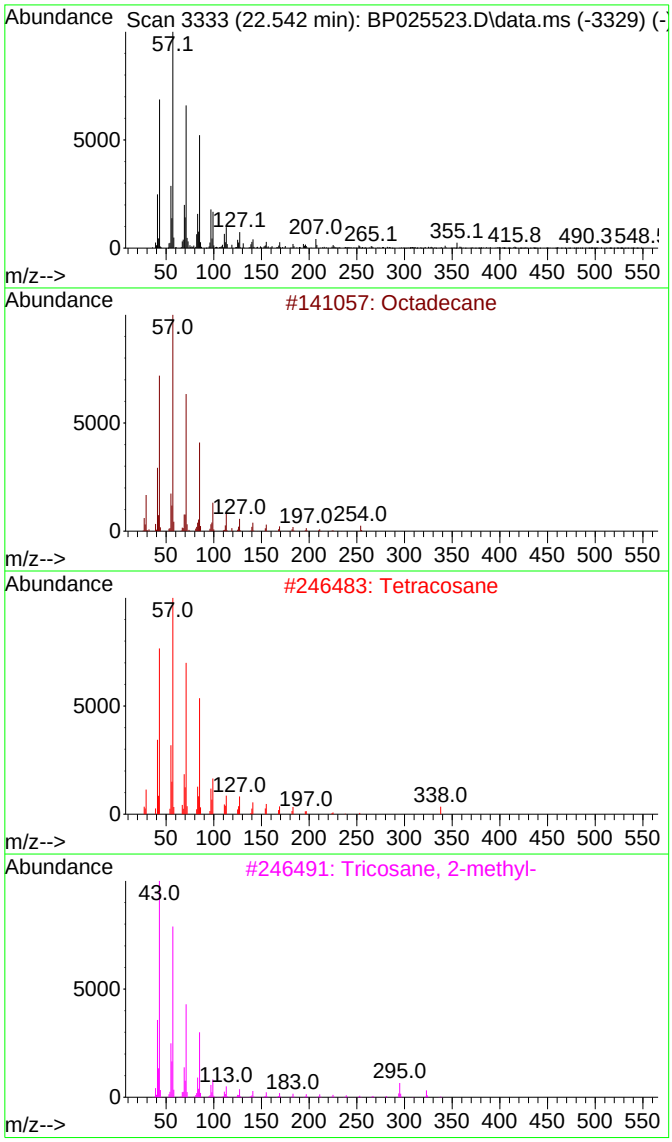
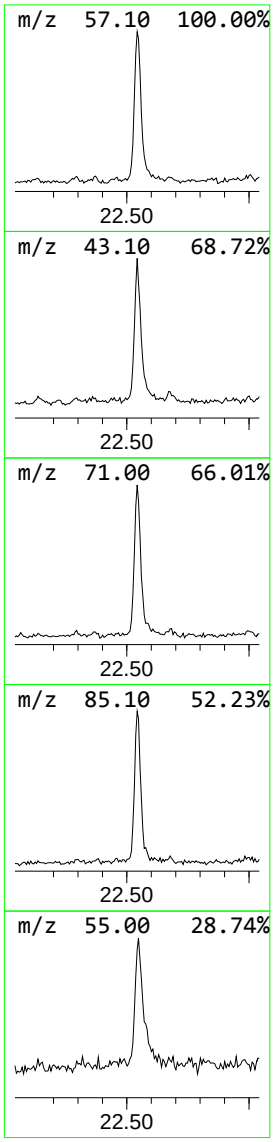
Peak Number 11 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.542	3.06 ng	362129	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Tetracosane	338	C24H50	000646-31-1	96
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Hexadecane	226	C16H34	000544-76-3	83





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Sample : Q2820-23
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22M-E

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.043	31.0	ng	1566910	1	7.784	1011290	20.0
2-Pentanone, 4-...	4.949	4.8	ng	245349	1	7.784	1011290	20.0
Benzophenone	15.778	7.2	ng	588083	3	14.401	1631490	20.0
n-Hexadecanoic ...	18.137	6.6	ng	628686	4	17.195	1917450	20.0
Hexadecanoic ac...	19.366	4.5	ng	430153	4	17.195	1917450	20.0
Hexadecanoic ac...	19.613	5.8	ng	683671	5	21.630	2369790	20.0
Octadecanoic ac...	20.495	2.3	ng	275122	5	21.630	2369790	20.0
Octadecanoic ac...	20.707	4.7	ng	557827	5	21.630	2369790	20.0
1-Heneicosyl fo...	21.295	7.8	ng	929228	5	21.630	2369790	20.0
Docosane	21.895	2.1	ng	245453	5	21.630	2369790	20.0
Octadecane	22.542	3.1	ng	362129	5	21.630	2369790	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.3	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.4	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.6	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.1	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.8	U	53.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.3	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.8	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.6	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.8	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.7	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.5	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.0	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.1	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.2	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.6	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.4	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.8	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.7	150	190	ug/Kg
129-00-0	Pyrene	110	J	40.4	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.2	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.2	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.5	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.5	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	50.8	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.6		35 - 115		42%	SPK: 150
13127-88-3	Phenol-d6	67.2		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.5		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.6		39 - 132		39%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141000	6.928				
1146-65-2	Naphthalene-d8	461000	8.21				
15067-26-2	Acenaphthene-d10	219000	9.975				
1517-22-2	Phenanthrene-d10	311000	11.463				
1719-03-5	Chrysene-d12	256000	14.098				
1520-96-3	Perylene-d12	303000	15.592				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	620	J			2.26	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	630	J			8.28	ug/Kg
	unknown8.504	670	J			8.50	ug/Kg
062108-25-2	Decane, 2,6,7-trimethyl-	1700	J			8.63	ug/Kg
000629-50-5	Tridecane	480	J			8.80	ug/Kg
007098-22-8	Tetratetracontane	520	J			8.90	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	530	J			9.09	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
001560-96-9	Tridecane, 2-methyl-	660	J			9.17	ug/Kg
006418-41-3	Tridecane, 3-methyl-	920	J			9.21	ug/Kg
	unknown9.375	3900	J			9.38	ug/Kg
1000309-14-4	Sulfurous acid, pentyl undecyl est	5900	J			9.69	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	750	J			9.85	ug/Kg
1000282-04-8	Methoxyacetic acid, 2-tetradecyl e	2800	J			10.2	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	950	J			10.3	ug/Kg
006975-98-0	Decane, 2-methyl-	3600	J			10.6	ug/Kg
026730-12-1	Tridecane, 4-methyl-	5500	J			10.9	ug/Kg
000629-78-7	Heptadecane	3200	J			11.4	ug/Kg
026429-11-8	Heptadecane, 4-methyl-	1500	J			11.7	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	750	J			12.4	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	550	J			12.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Time: Aug 21 11:46:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

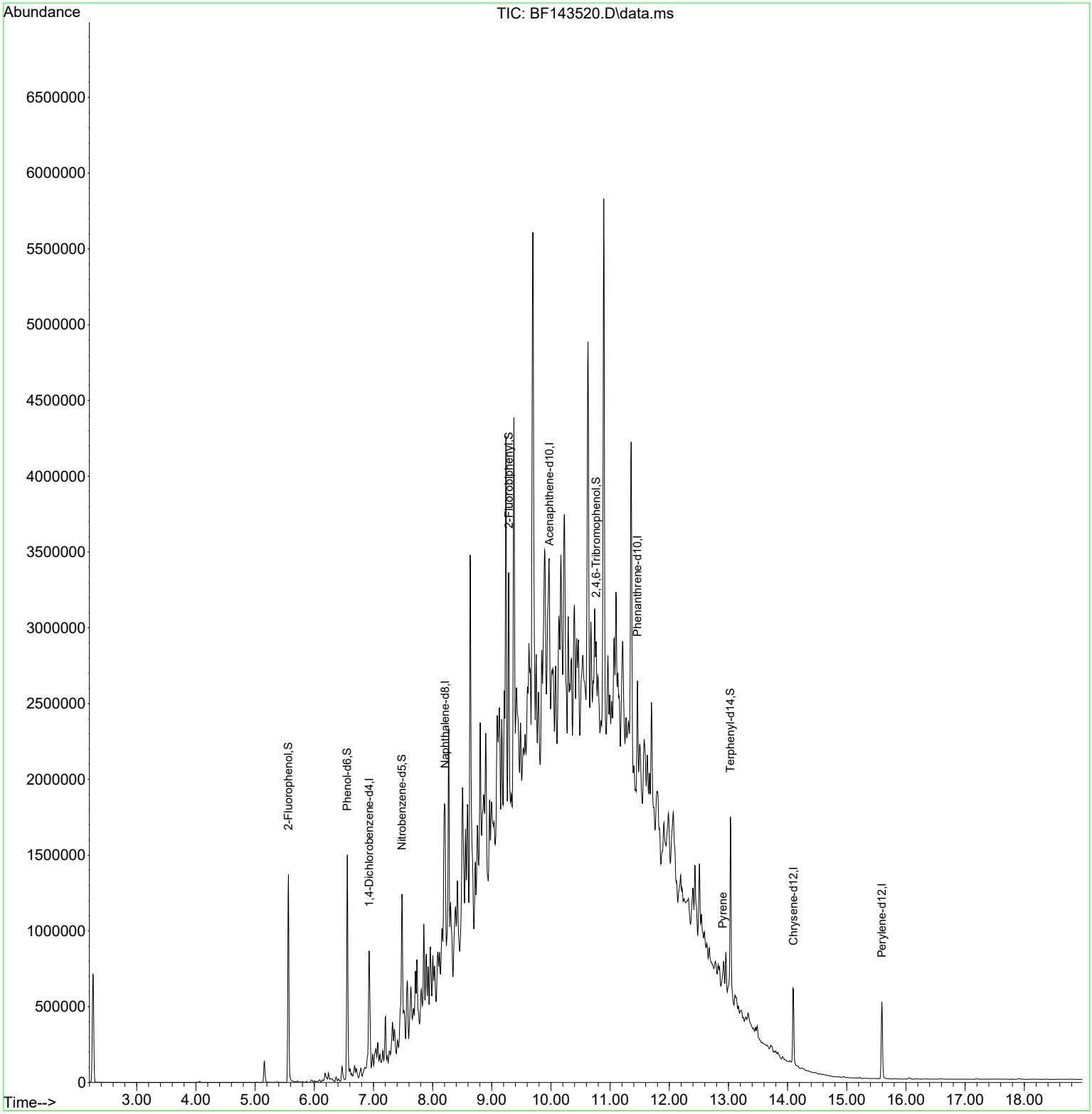
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	140577	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	460701	20.000	ng	# 0.00
39) Acenaphthene-d10	9.975	164	218945	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	310989	20.000	ng	0.00
76) Chrysene-d12	14.098	240	255701	20.000	ng	0.00
86) Perylene-d12	15.592	264	303433	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	503975	62.601	ng	0.00
7) Phenol-d6	6.557	99	667550	67.171	ng	-0.02
23) Nitrobenzene-d5	7.481	82	447042	56.625	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	119411	58.591	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	695170	52.474	ng	0.00
79) Terphenyl-d14	13.033	244	554554	37.846	ng	0.00
Target Compounds						Qvalue
78) Pyrene	12.904	202	63239	3.007	ng	# 86

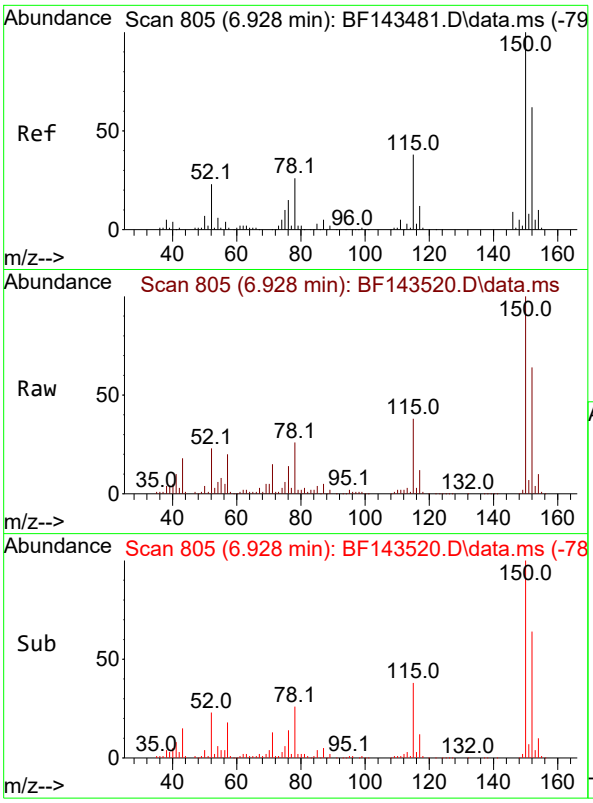
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Time: Aug 21 11:46:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



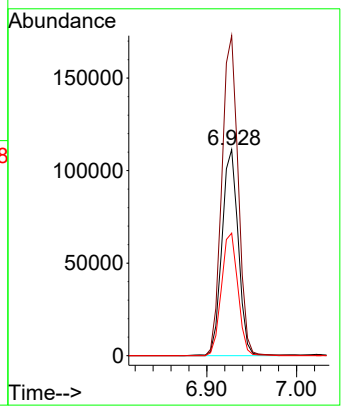


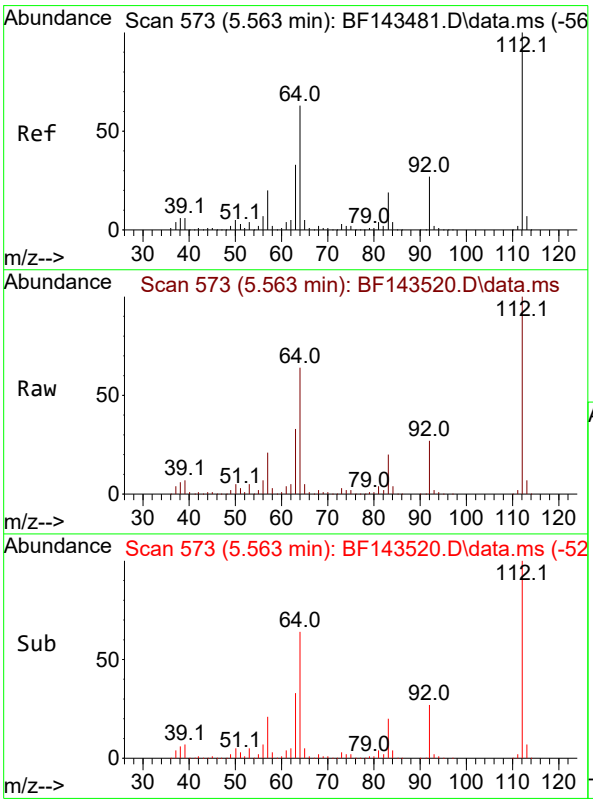
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion:152 Resp: 140577

Ion	Ratio	Lower	Upper
152	100		
150	155.3	128.9	193.3
115	59.5	49.2	73.8

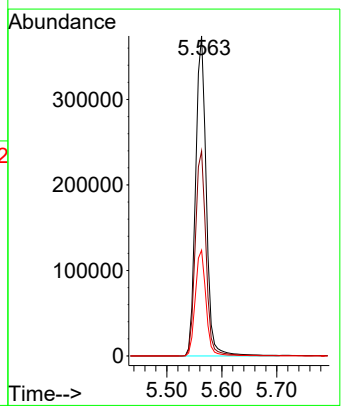


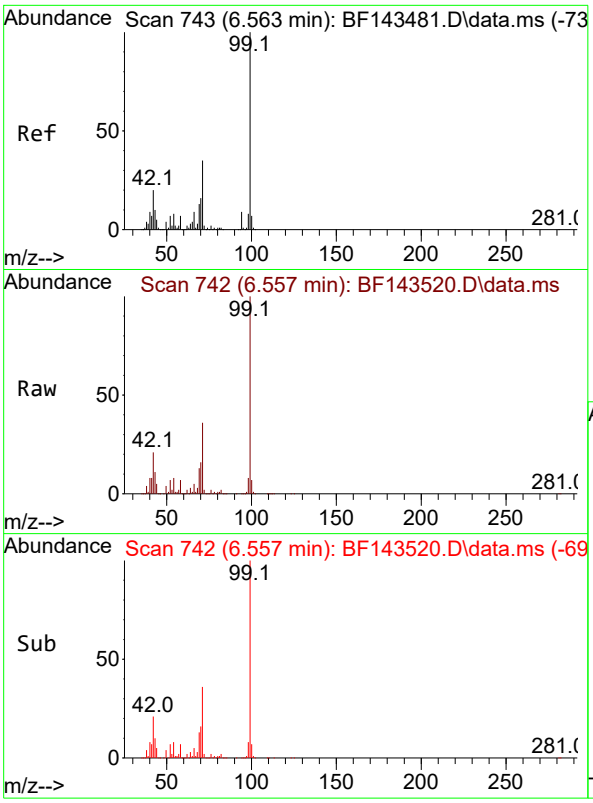


#5
2-Fluorophenol
Concen: 62.601 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:112 Resp: 503975

Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.4	75.6
63	33.0	26.4	39.6



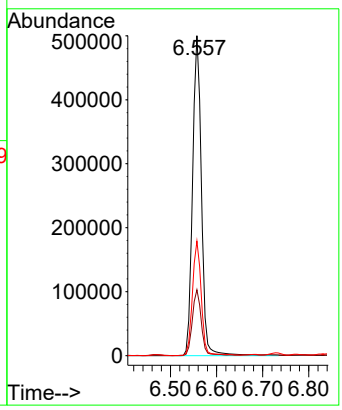


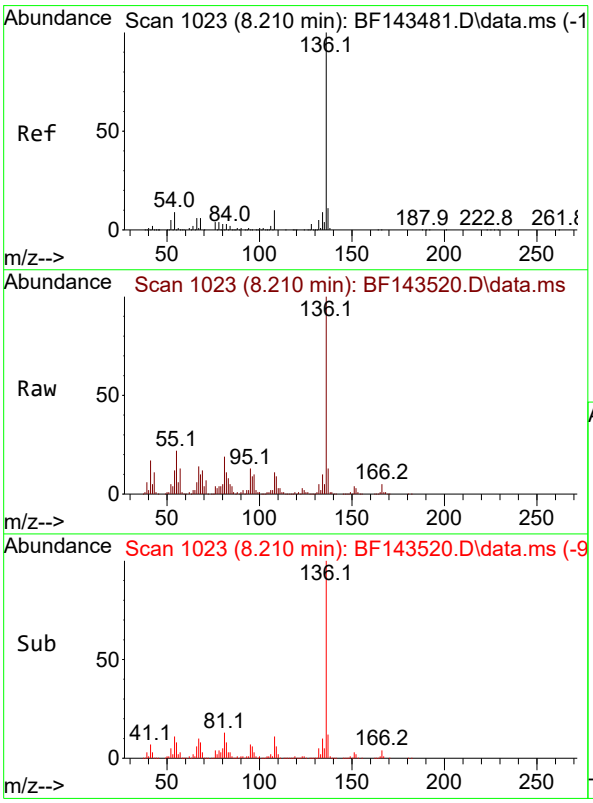
#7
Phenol-d6
Concen: 67.171 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion: 99 Resp: 667550

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.3	24.5
71	35.8	28.2	42.2

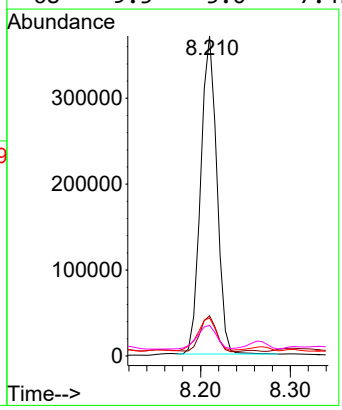


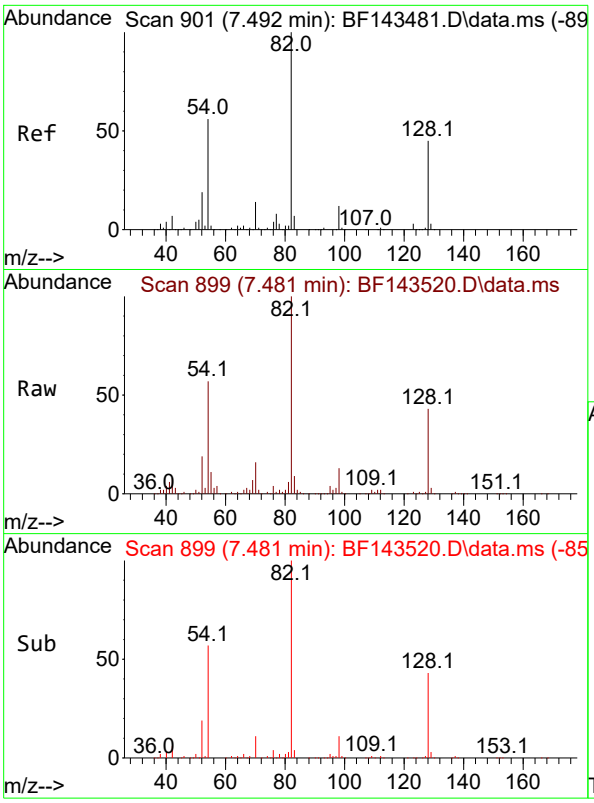


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:136 Resp: 460701

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.0	13.4
54	11.9	7.4	11.2#
68	9.5	5.0	7.4#



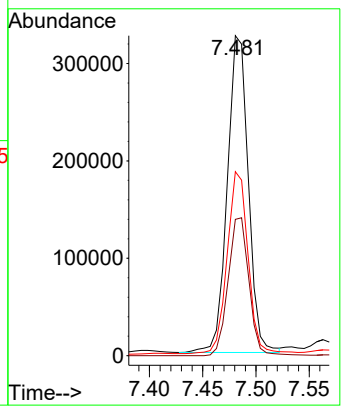


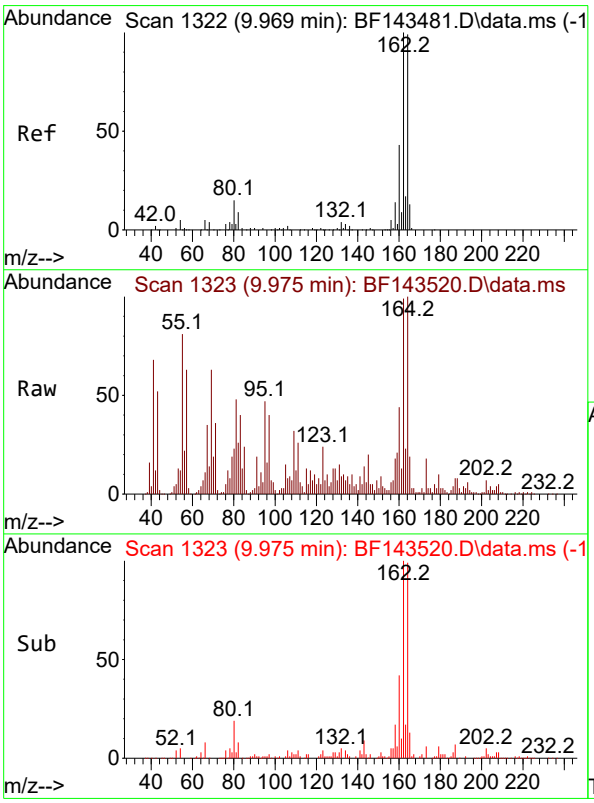
#23
Nitrobenzene-d5
Concen: 56.625 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion: 82 Resp: 447042

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.5	53.3
54	57.5	44.3	66.5

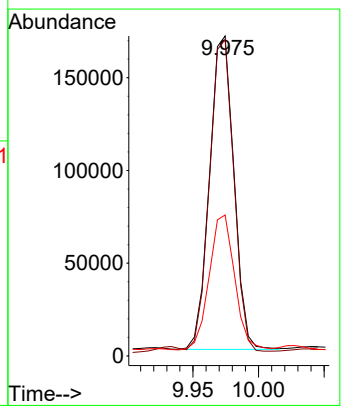


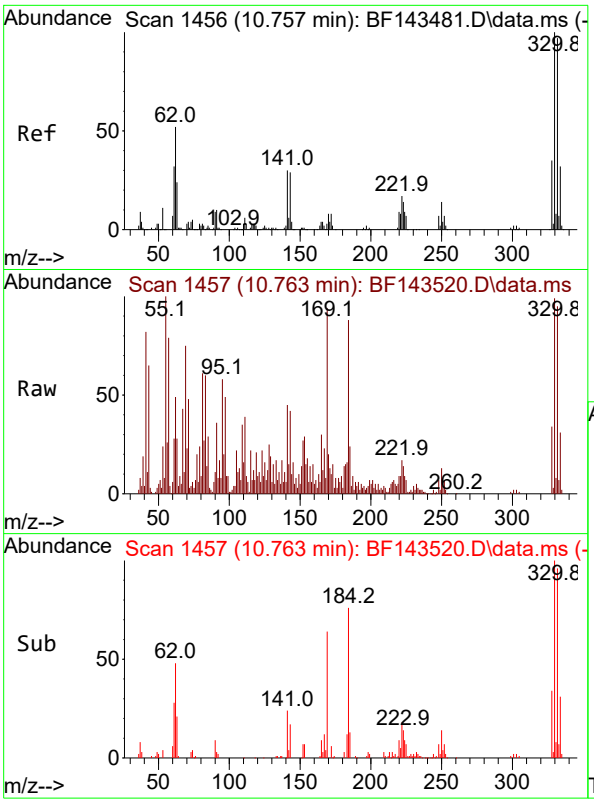


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:164 Resp: 218945

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.5	120.7
160	44.0	34.3	51.5



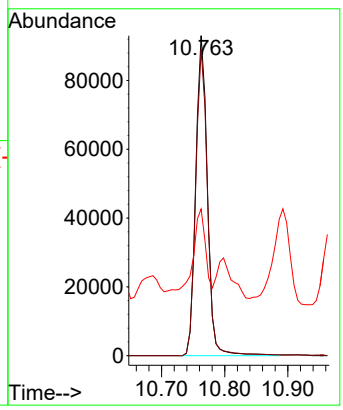


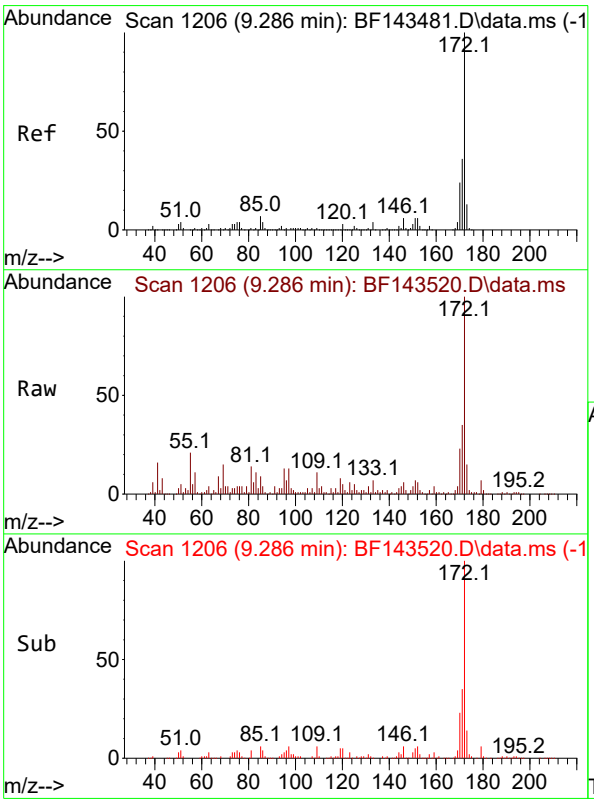
#42
2,4,6-Tribromophenol
Concen: 58.591 ng
RT: 10.763 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion:330 Resp: 119411

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	23.9	23.7	35.5

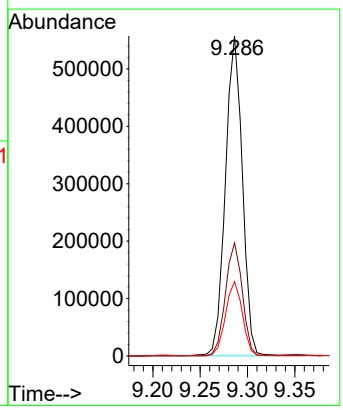


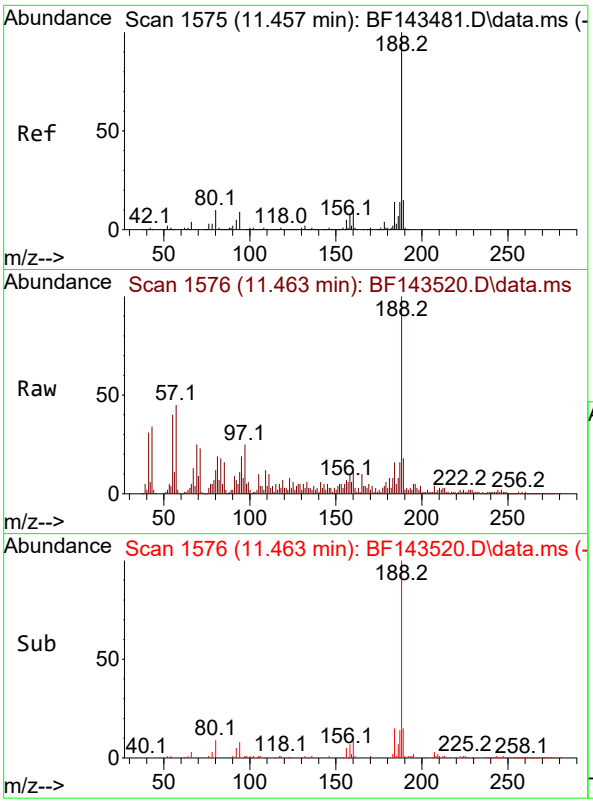


#45
2-Fluorobiphenyl
Concen: 52.474 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:172 Resp: 695170

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.3	18.8	28.2



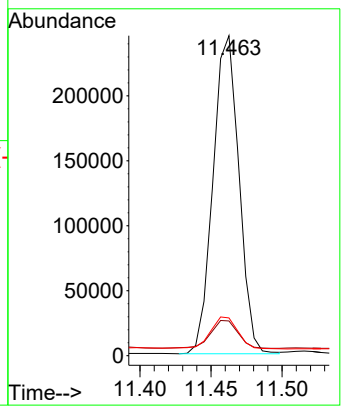


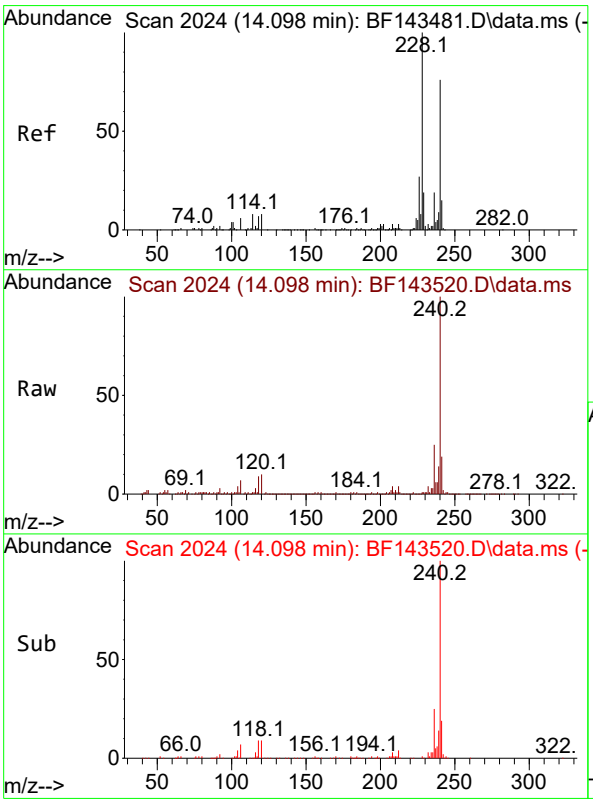
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion:188 Resp: 310989

Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.4	11.2
80	11.8	8.2	12.4

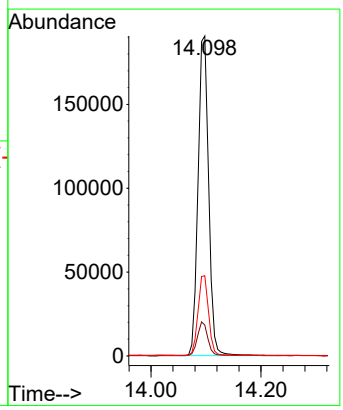


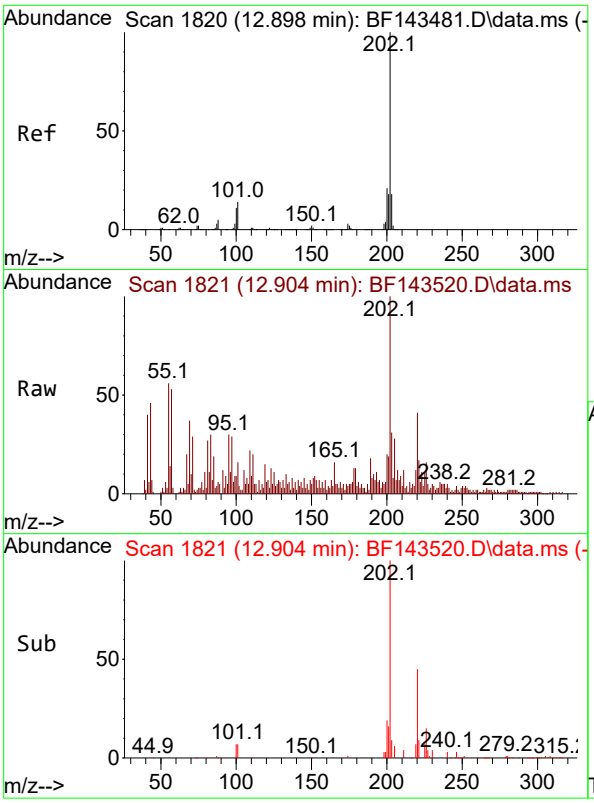


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:240 Resp: 255701

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.6	12.8
236	25.0	20.4	30.6



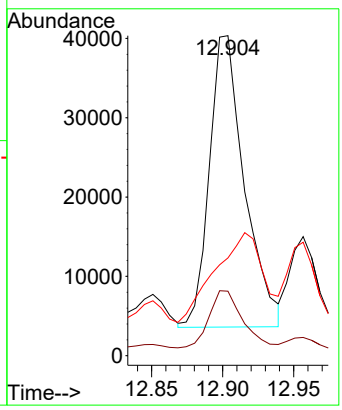


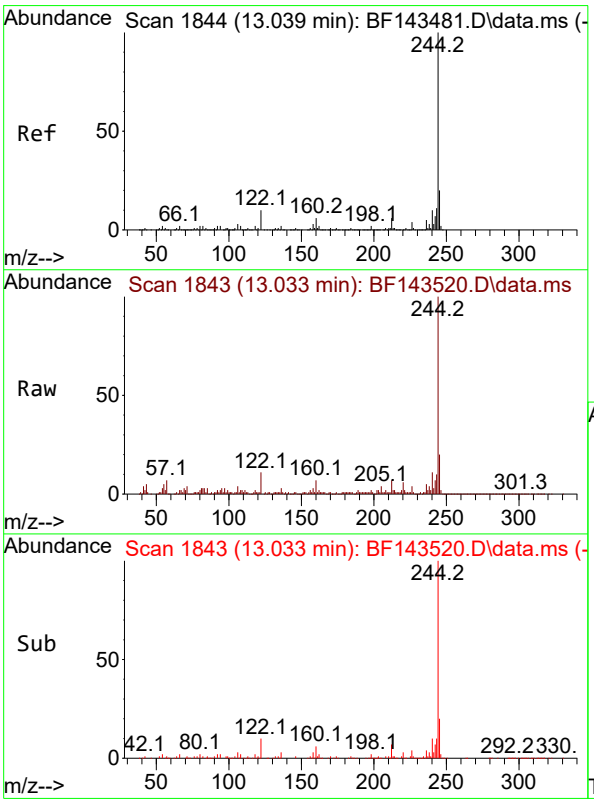
#78
Pyrene
Concen: 3.007 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion:202 Resp: 63239

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	30.6	14.3	21.5#

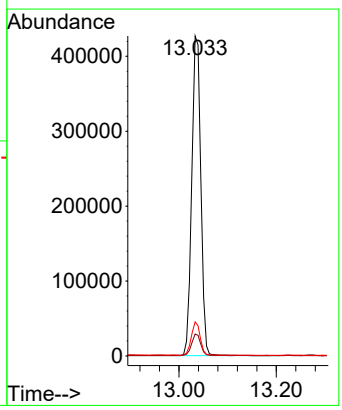


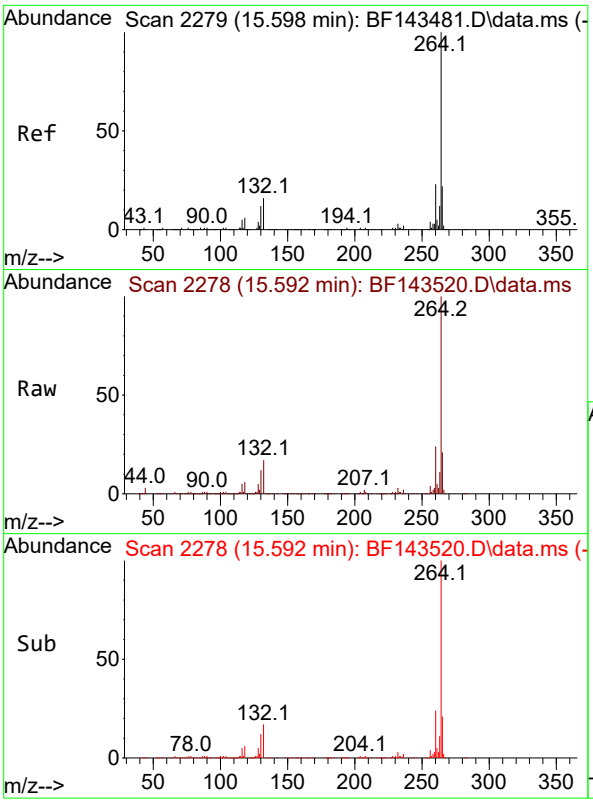


#79
Terphenyl-d14
Concen: 37.846 ng
RT: 13.033 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Tgt Ion:244 Resp: 554554

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	10.7	7.9	11.9



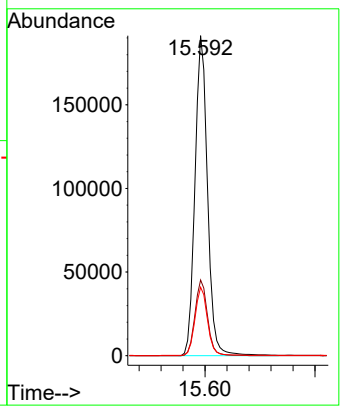


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143520.D
Acq: 21 Aug 2025 10:20

Instrument :
BNA_F
ClientSampleId :
22M-S

Tgt Ion:264 Resp: 303433

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.4	17.6	26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.257	4	11	23	rBV	710845	1153358	18.57%	1.483%
2	5.157	498	504	514	rBV	136614	212948	3.43%	0.274%
3	5.563	567	573	592	rBV	1371849	1860558	29.95%	2.393%
4	6.181	674	678	685	rBV2	50404	99658	1.60%	0.128%
5	6.469	722	727	736	rBV	96228	181152	2.92%	0.233%
6	6.557	736	742	748	rBV	1482199	1992669	32.08%	2.563%
7	6.681	758	763	766	rBV3	67954	111398	1.79%	0.143%
8	6.710	766	768	775	rVB4	59575	90850	1.46%	0.117%
9	6.786	775	781	785	rBV4	62436	116291	1.87%	0.150%
10	6.857	785	793	795	rBV5	57704	134385	2.16%	0.173%
11	6.928	796	805	811	rVV2	774198	1399500	22.53%	1.800%
12	6.986	811	815	818	rBV3	82496	108140	1.74%	0.139%
13	7.039	818	824	827	rBV3	109231	237357	3.82%	0.305%
14	7.075	827	830	833	rVB	119130	141317	2.27%	0.182%
15	7.157	841	844	847	rBV3	74672	80151	1.29%	0.103%
16	7.204	847	852	855	rVV	289758	383150	6.17%	0.493%
17	7.275	860	864	866	rBV3	75947	122900	1.98%	0.158%
18	7.322	866	872	875	rBV5	214734	367304	5.91%	0.472%
19	7.351	875	877	883	rVB3	159135	229248	3.69%	0.295%
20	7.404	883	886	889	rBV3	87451	120930	1.95%	0.156%
21	7.481	890	899	903	rBV	1006581	1870148	30.10%	2.405%
22	7.569	910	914	918	rBV3	379726	588682	9.48%	0.757%
23	7.634	918	925	929	rBV3	342698	730950	11.77%	0.940%
24	7.710	935	938	940	rBV	290964	348962	5.62%	0.449%
25	7.733	940	942	949	rVB3	425466	573026	9.22%	0.737%
26	7.810	950	955	958	rBV3	226888	411520	6.62%	0.529%
27	7.851	958	962	966	rBV2	537323	636144	10.24%	0.818%
28	7.892	966	969	972	rBV2	304764	353934	5.70%	0.455%
29	7.922	972	974	977	rVB2	251138	260415	4.19%	0.335%
30	7.963	977	981	985	rBV3	379866	545090	8.77%	0.701%
31	8.004	985	988	990	rBV3	268592	305892	4.92%	0.393%
32	8.086	998	1002	1005	rBV3	327082	575174	9.26%	0.740%
33	8.157	1011	1014	1017	rBV3	254358	403545	6.50%	0.519%
34	8.198	1017	1021	1027	rVB2	984945	2029505	32.67%	2.610%
35	8.275	1029	1034	1037	rVV	1356194	1721416	27.71%	2.214%
36	8.386	1046	1053	1055	rBV3	463034	997074	16.05%	1.282%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.416	1056	1058	1065	rVB2	509554	754812	12.15%	0.971%
38	8.504	1069	1073	1079	rVV5	949792	1808328	29.11%	2.326%
39	8.557	1079	1082	1084	rVV2	575263	667884	10.75%	0.859%
40	8.586	1084	1087	1091	rVB2	676919	904729	14.56%	1.164%
41	8.633	1091	1095	1106	rVB	2468889	4678030	75.30%	6.016%
42	8.722	1106	1110	1112	rBV3	443158	580281	9.34%	0.746%
43	8.757	1113	1116	1120	rBV3	434569	661991	10.66%	0.851%
44	8.804	1120	1124	1128	rBV	939683	1297711	20.89%	1.669%
45	8.898	1137	1140	1147	rVB	975647	1412974	22.74%	1.817%
46	8.963	1148	1151	1153	rBV3	495735	580138	9.34%	0.746%
47	9.092	1169	1173	1176	rBV4	789165	1438084	23.15%	1.849%
48	9.169	1183	1186	1190	rBV	593858	691220	11.13%	0.889%
49	9.210	1190	1193	1195	rVV	769992	974190	15.68%	1.253%
50	9.239	1195	1198	1202	rVV	2440468	2986985	48.08%	3.841%
51	9.286	1202	1206	1211	rVB	1523321	1858550	29.92%	2.390%
52	9.375	1216	1221	1225	rBV2	2566733	4089114	65.82%	5.259%
53	9.692	1270	1275	1282	rBV2	3248274	6212493	100.00%	7.990%
54	9.845	1298	1301	1303	rBV3	603659	789380	12.71%	1.015%
55	10.227	1362	1366	1374	rVB4	1442374	2930370	47.17%	3.769%
56	10.292	1374	1377	1380	rBV2	771379	1004368	16.17%	1.292%
57	10.627	1429	1434	1439	rVB	2413414	3809360	61.32%	4.899%
58	10.892	1474	1479	1486	rVB2	3532876	5580457	89.83%	7.177%
59	11.357	1554	1558	1563	rVB	2181601	3263700	52.53%	4.197%
60	11.463	1573	1576	1579	rBV	656903	760582	12.24%	0.978%
61	11.698	1613	1616	1627	rVB6	841711	1552215	24.99%	1.996%
62	12.433	1739	1741	1749	rVB2	458047	758015	12.20%	0.975%
63	12.510	1750	1754	1757	rBV2	426787	560057	9.02%	0.720%
64	12.957	1827	1830	1834	rVB	262659	321877	5.18%	0.414%
65	13.033	1839	1843	1853	rVB	1242349	1833178	29.51%	2.358%
66	14.092	2019	2023	2032	rVB	508232	706598	11.37%	0.909%
67	15.592	2272	2278	2289	rBV	505770	793771	12.78%	1.021%

Sum of corrected areas: 77756183

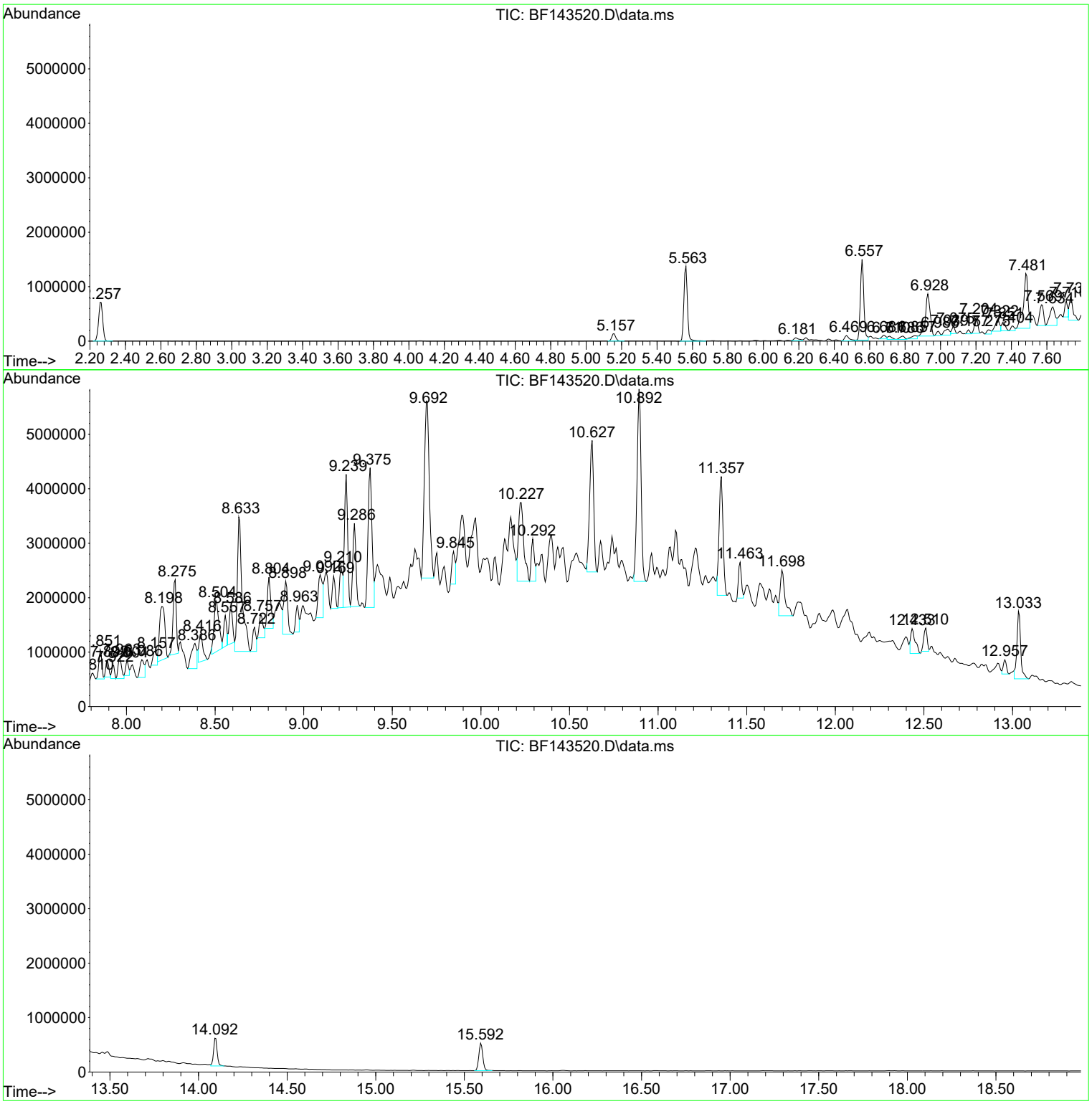
Sample Results: **BF143520.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

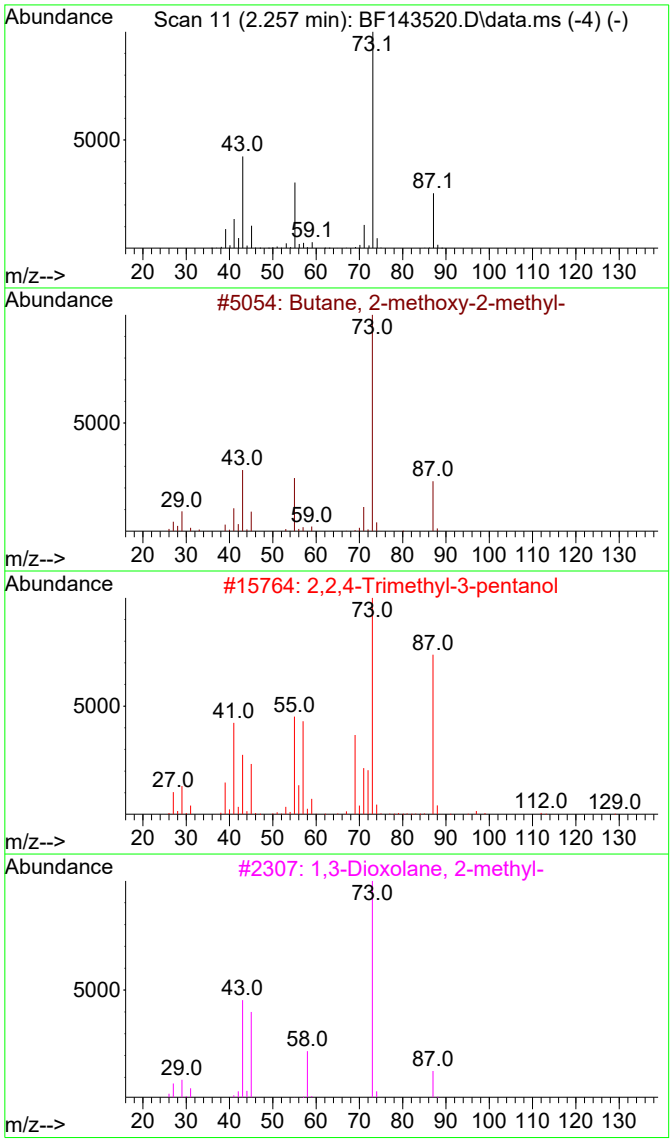
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

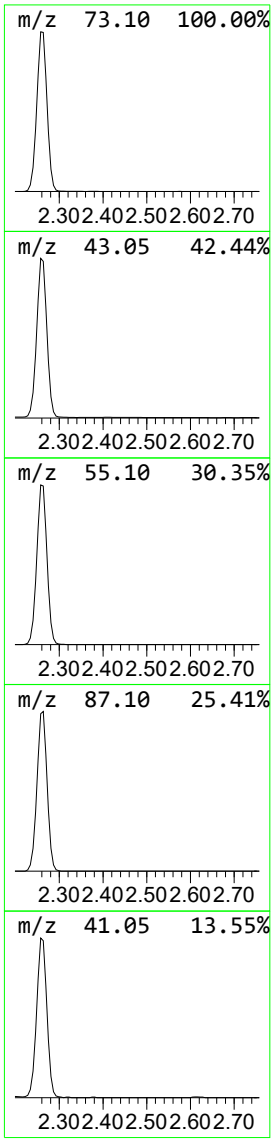
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.257	16.48 ng	1153360	1,4-Dichlorobenzene-d4	6.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

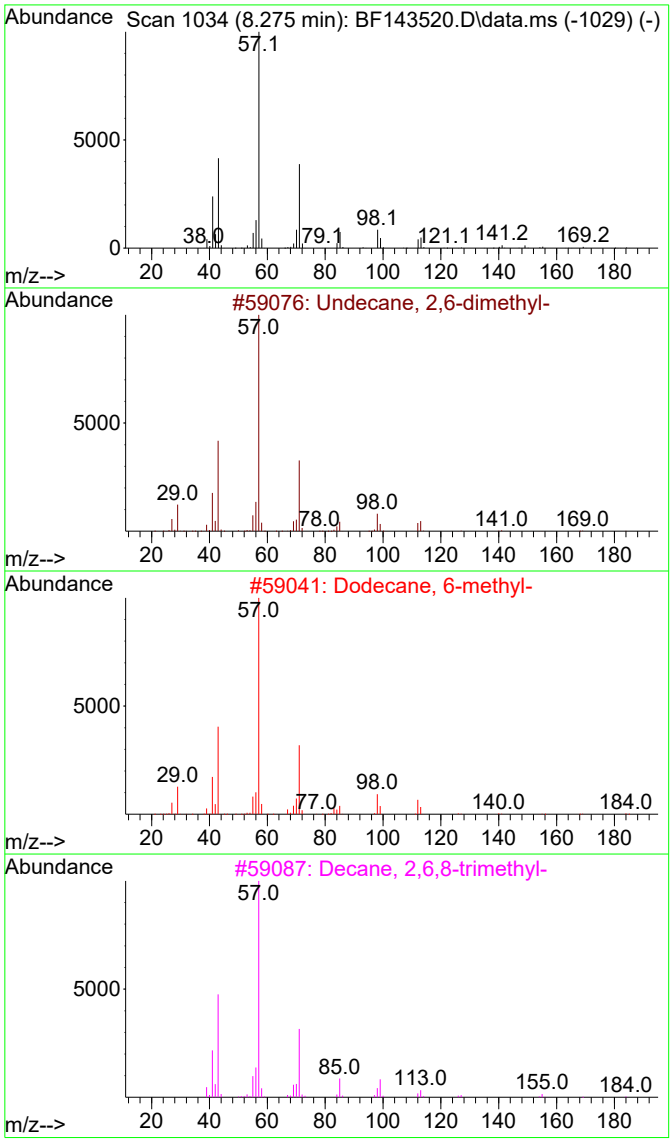
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

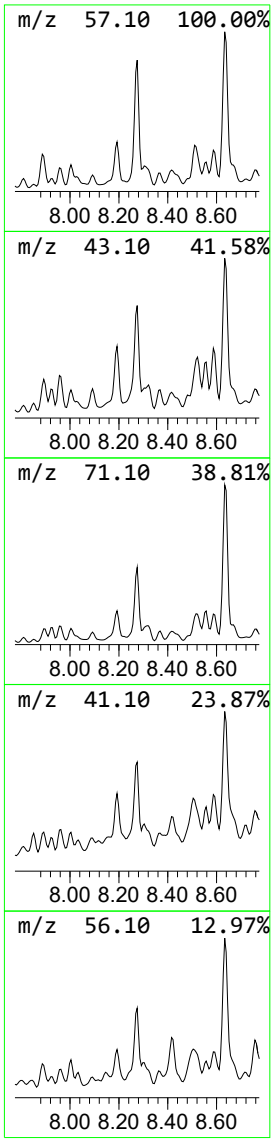
****

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.275	16.96 ng	1721420	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	72
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

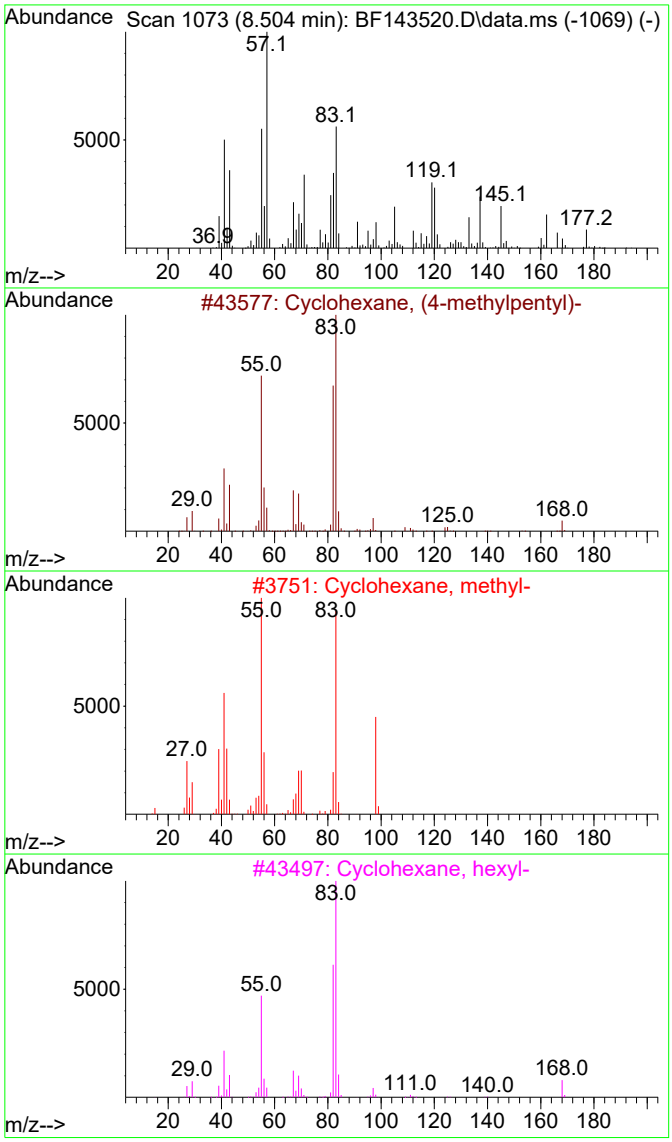
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

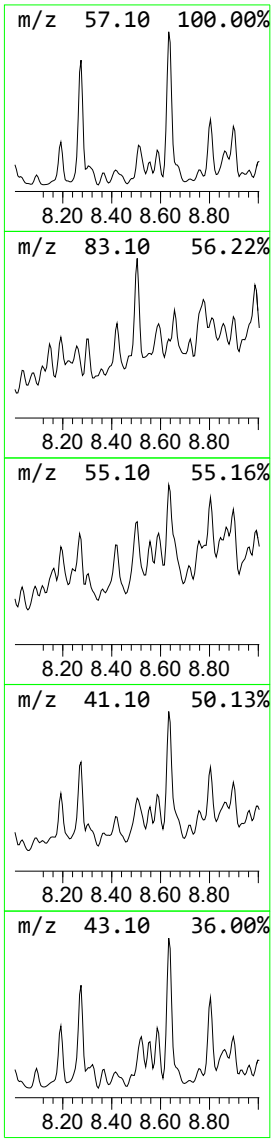
****

Peak Number 3 unknown8.504 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.504	17.82 ng	1808330	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	18
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	14
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	14
4	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	14
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

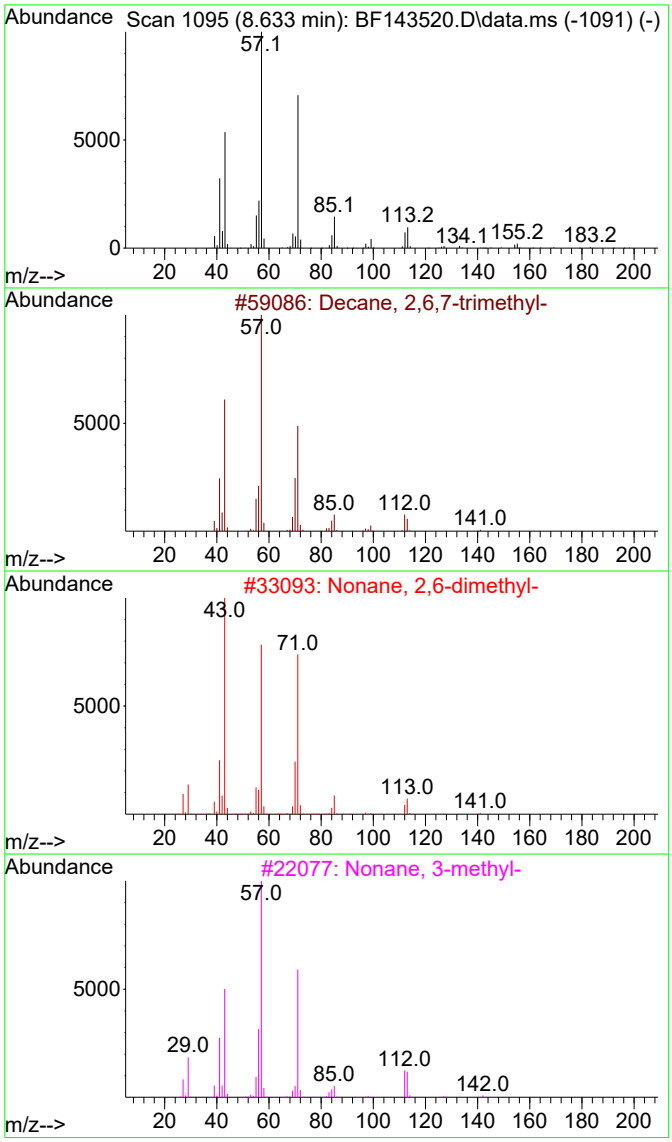
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

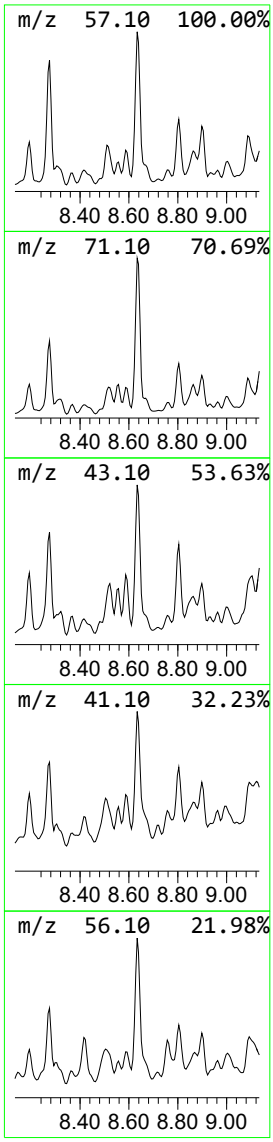
****

Peak Number 4 Decane, 2,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.633	46.10 ng	4678030	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70





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Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

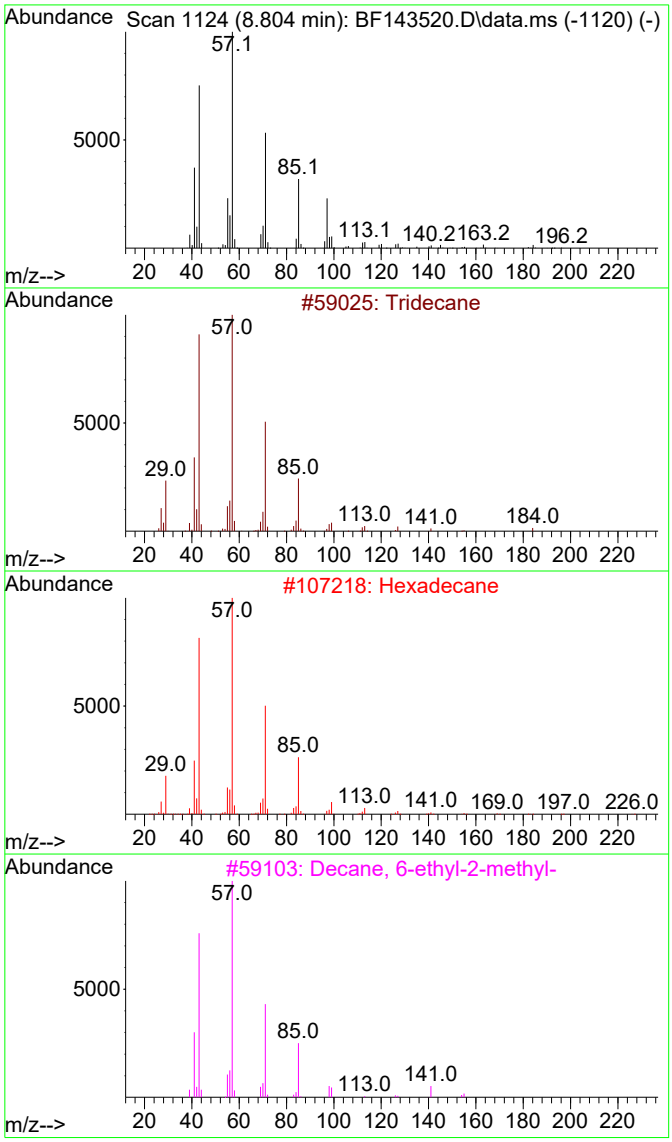
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

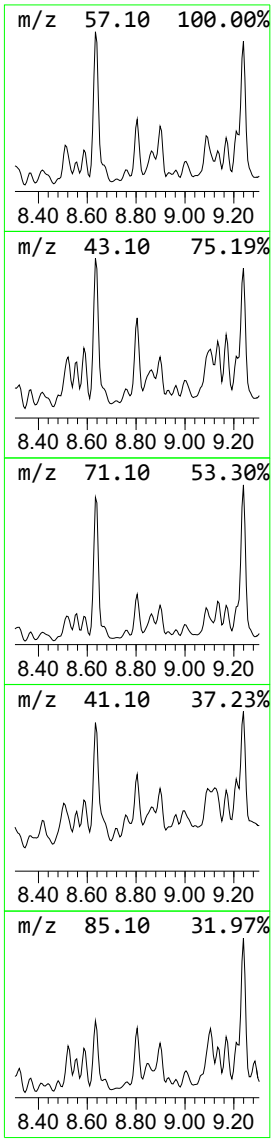
****

Peak Number 5 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.804	12.79 ng	1297710	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Hexadecane	226	C16H34	000544-76-3	72
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Tetradecane	198	C14H30	000629-59-4	64





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Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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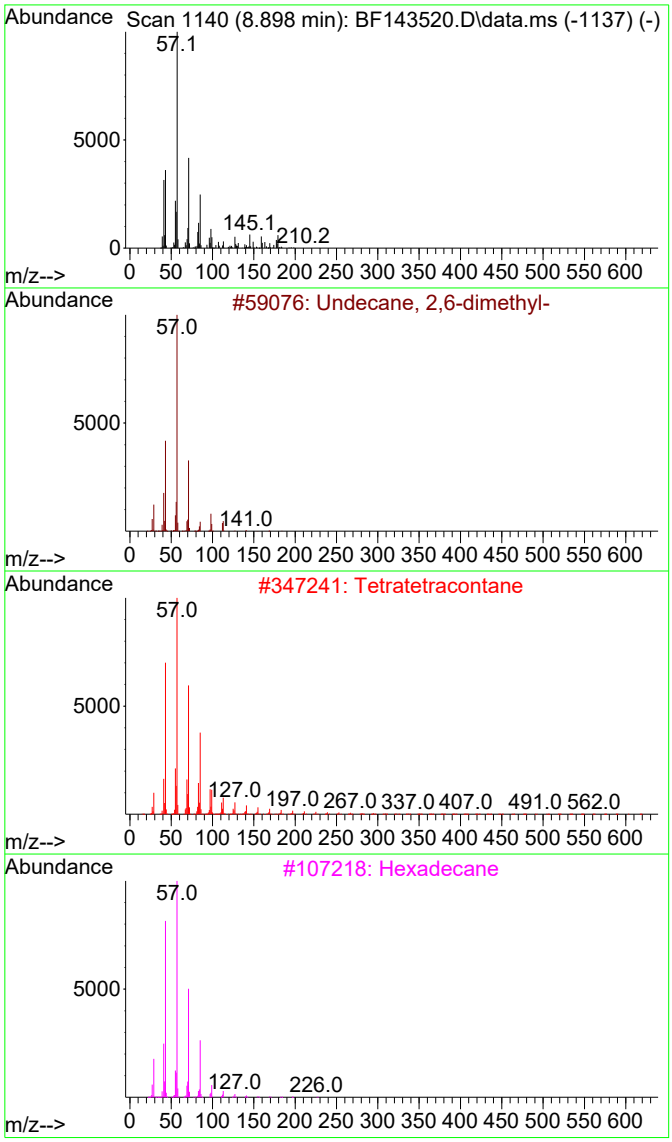
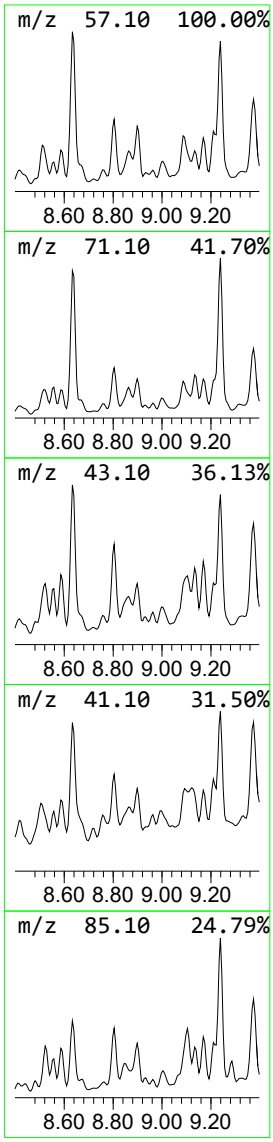
Peak Number 6 Tetratetracontane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.898	13.92 ng	1412970	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
2	Tetratetracontane	619	C44H90	007098-22-8	59
3	Hexadecane	226	C16H34	000544-76-3	59
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	53
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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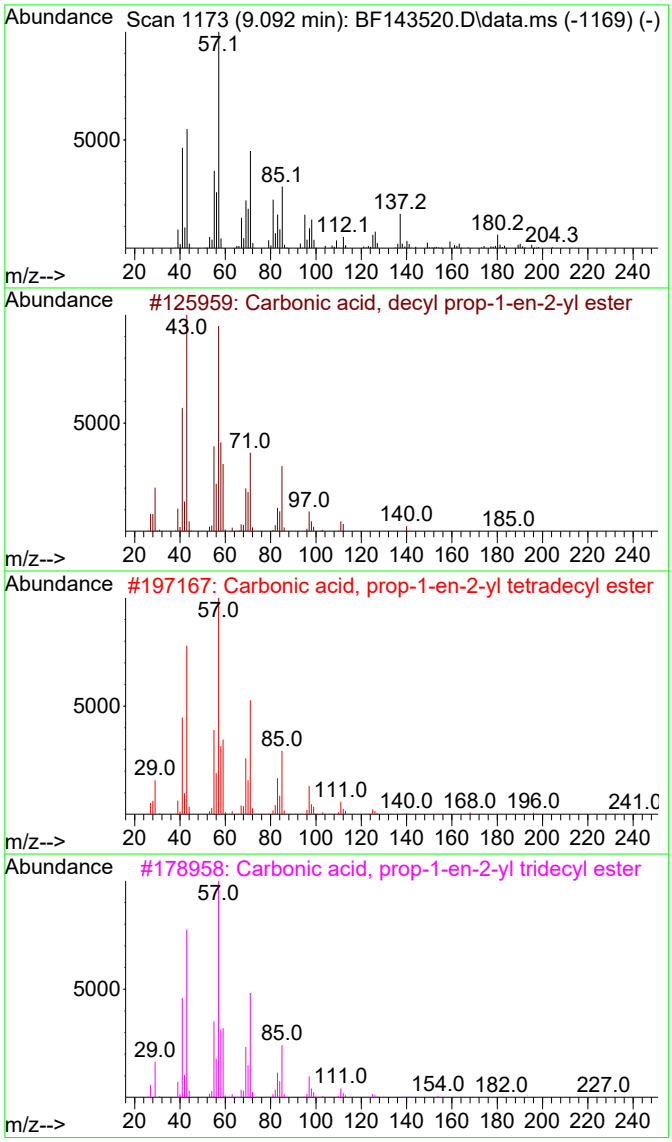
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

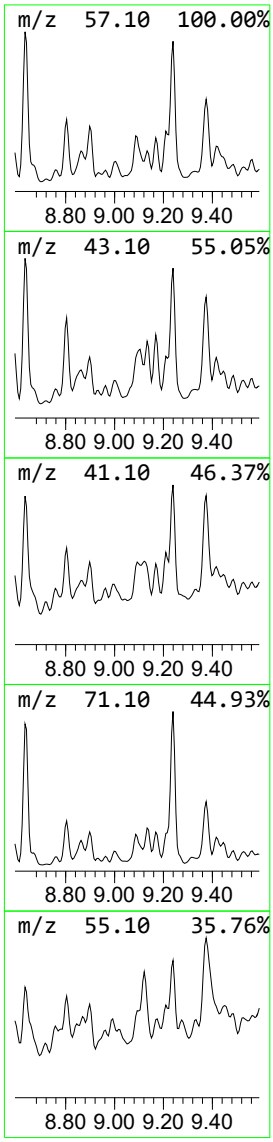
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Carbonic acid, decyl prop-1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.092	14.17 ng	1438080	Naphthalene-d8	8.210

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	59
2	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	53
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	53
4	Hexadecane	226	C16H34	000544-76-3	47
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	46





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Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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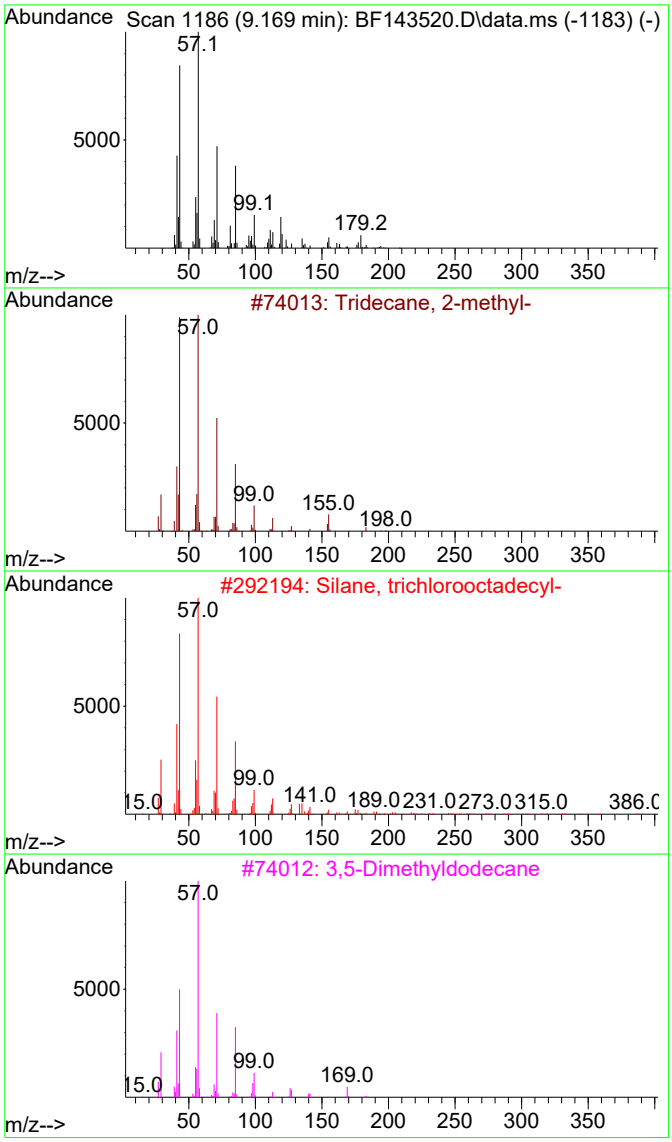
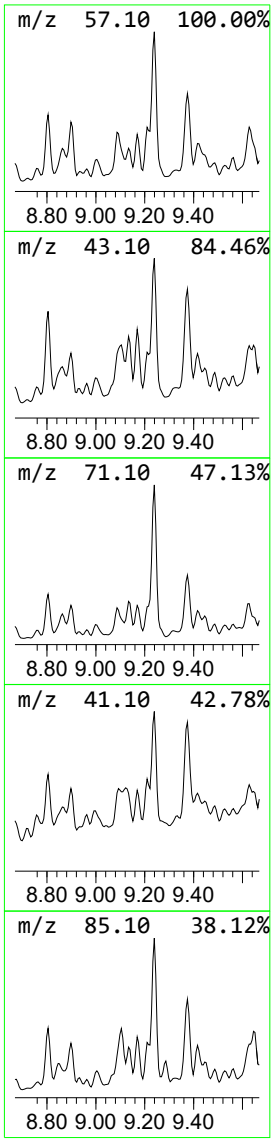
Peak Number 8 Tridecane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	17.51 ng	691220	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	64
5	1-Iodoundecane	282	C11H23I	004282-44-4	64





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Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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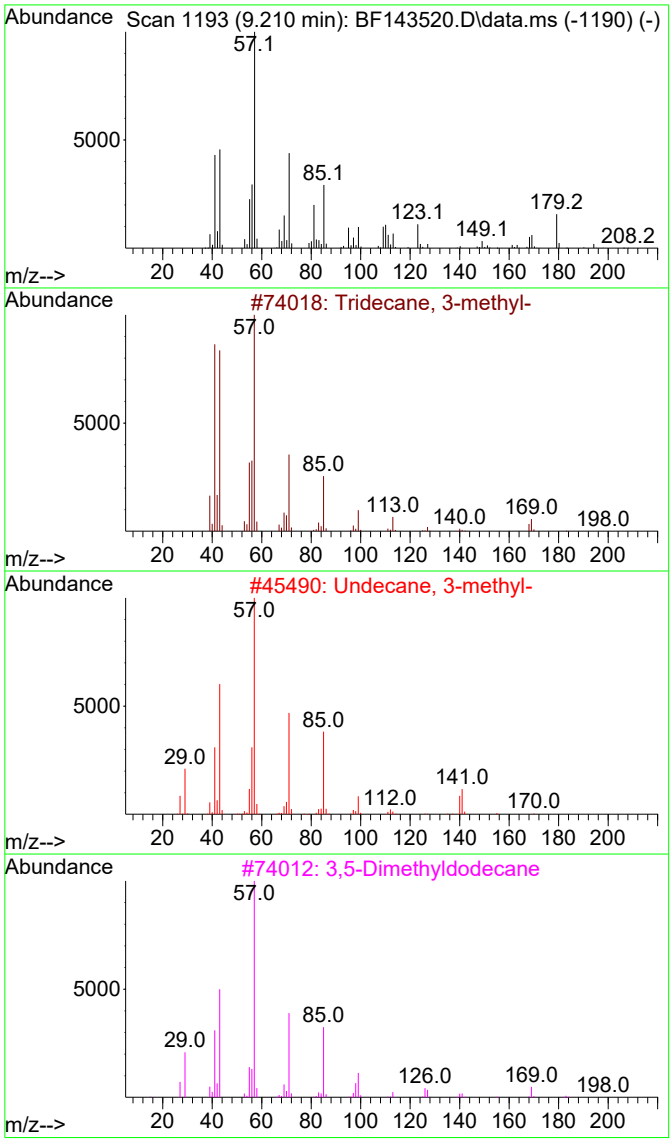
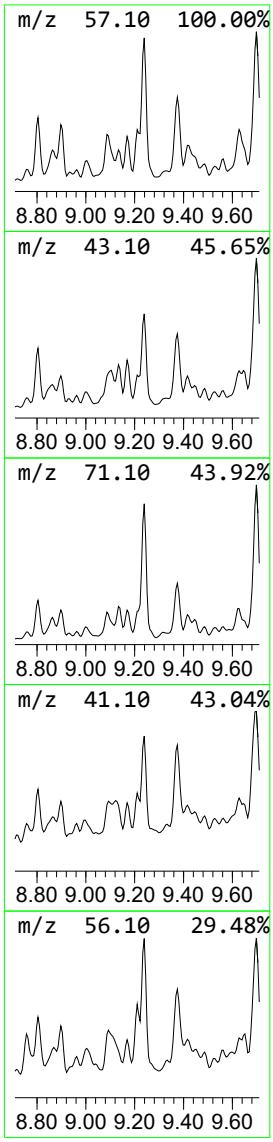
Peak Number 9 Tridecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.210	24.68 ng	974190	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	58
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	53
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	52
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

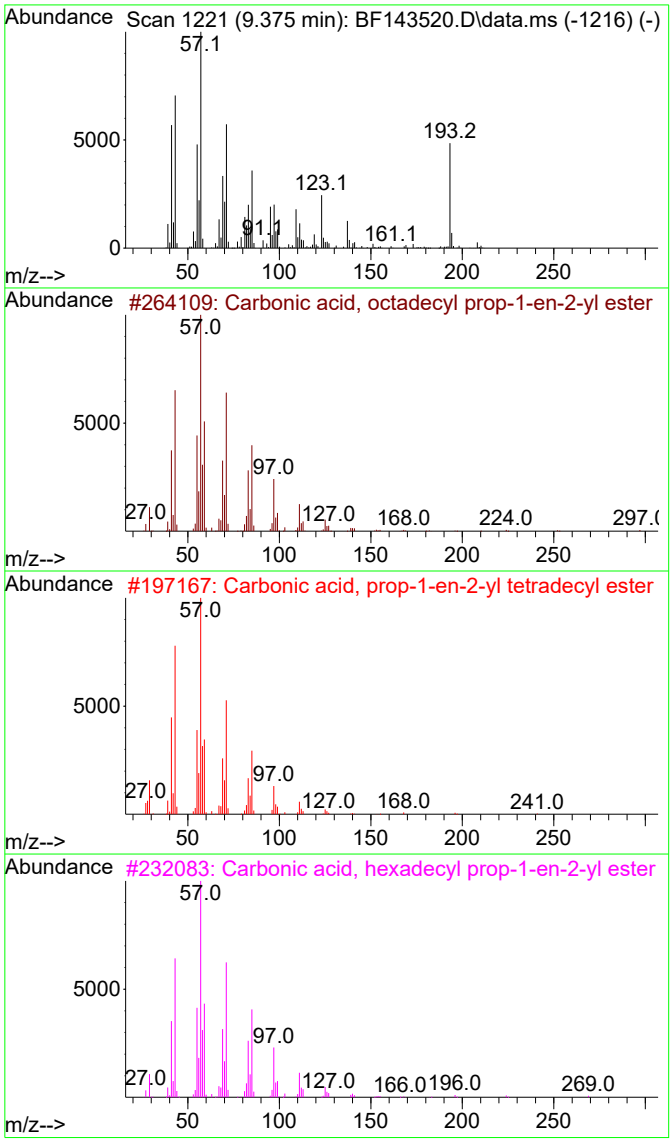
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

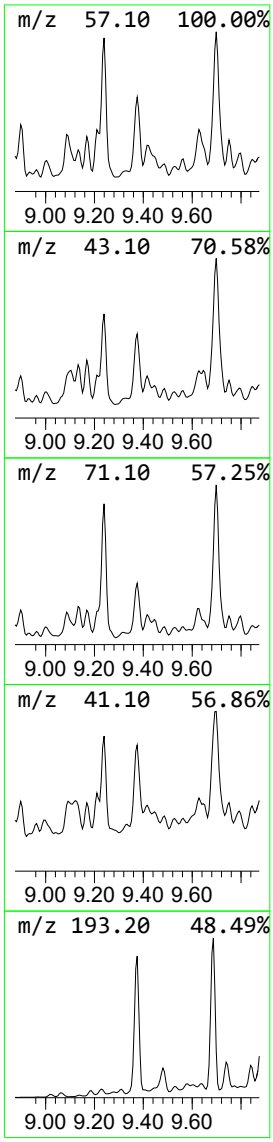
****

Peak Number 10 unknown9.375 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.375	103.60 ng	4089110	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	41
2	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	38
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	38
4	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	38
5	Tetradecane	198	C14H30	000629-59-4	35





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Instrument :
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ClientSampleId :
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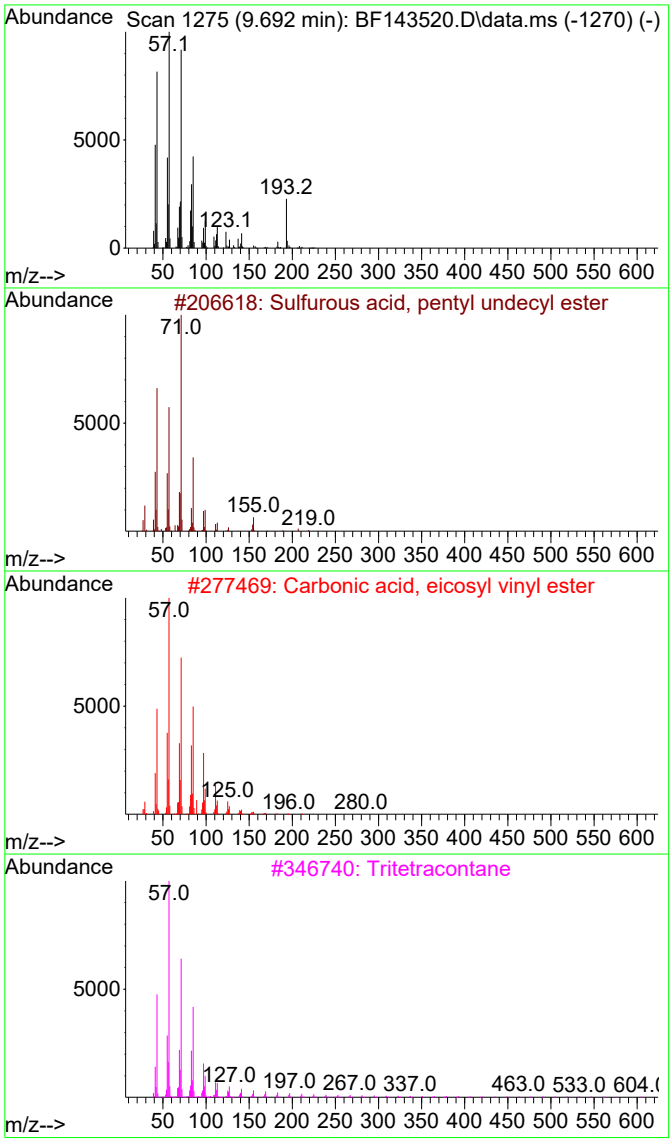
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

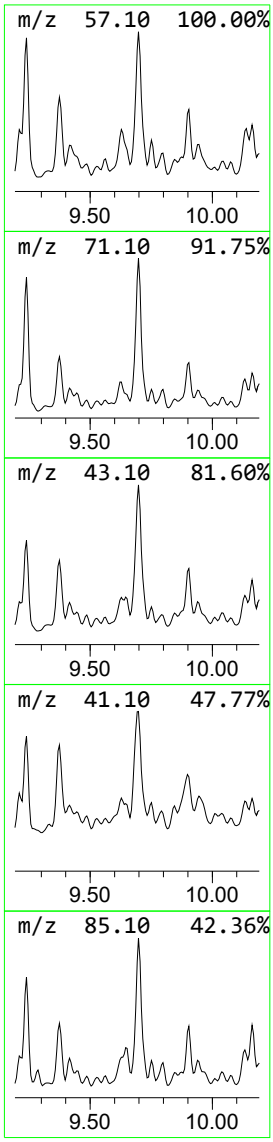
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Sulfurous acid, pentyl unde... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.692	157.40 ng	6212490	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	72
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	72
3	Tritetracontane	605	C43H88	007098-21-7	72
4	Pentacosane	352	C25H52	000629-99-2	72
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	68





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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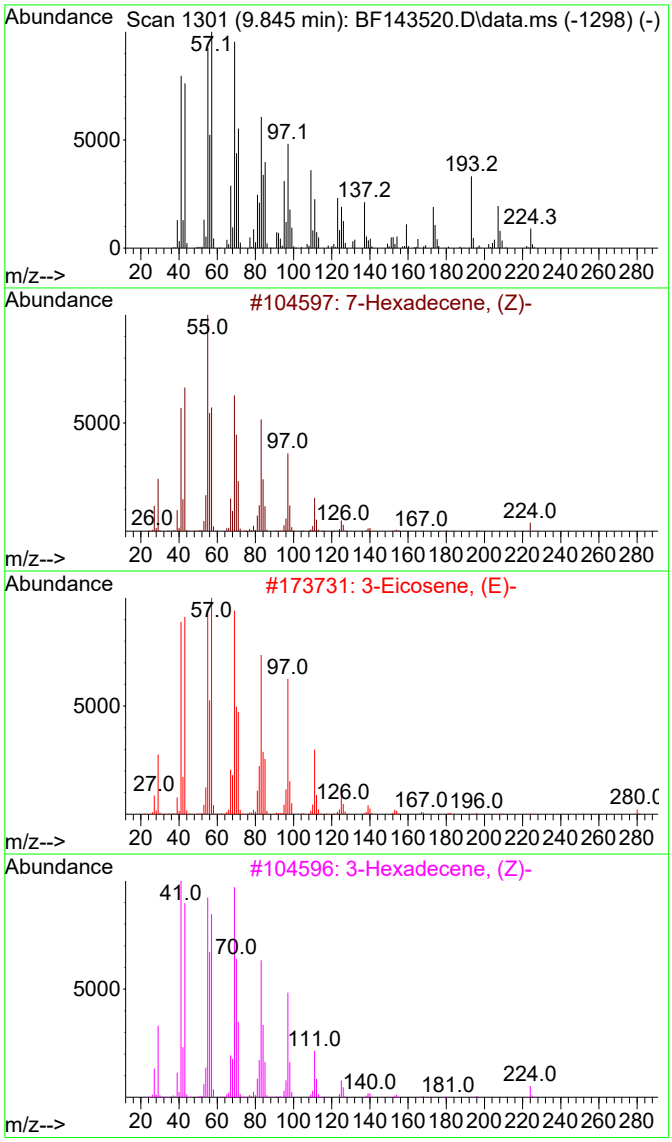
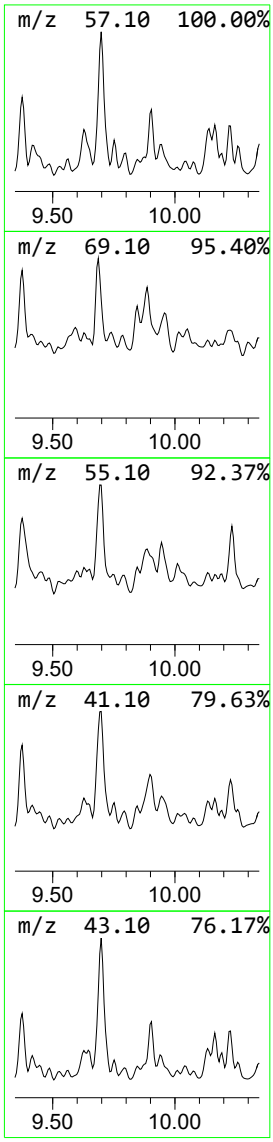
Peak Number 12 7-Hexadecene, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.845	20.00 ng	789380	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	55
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	49
3	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	49
4	Cetene	224	C16H32	000629-73-2	46
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	43





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Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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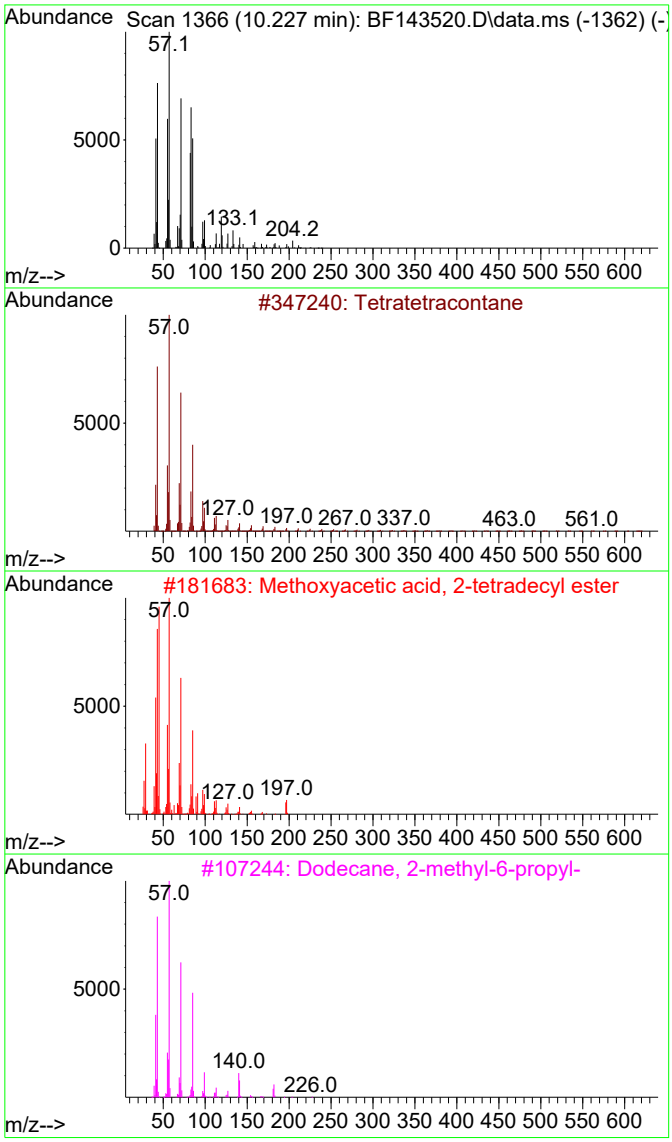
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

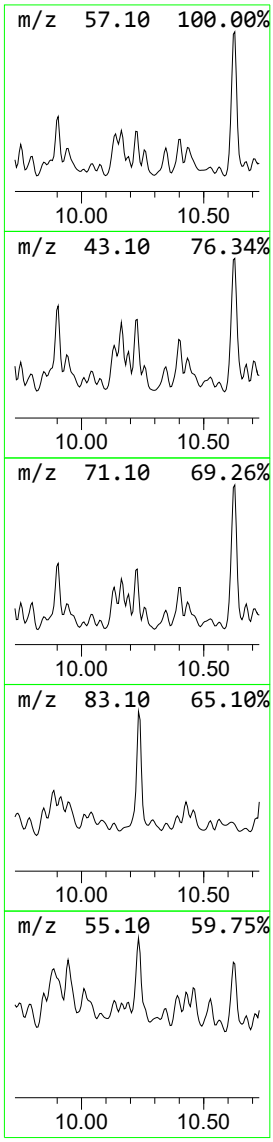
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Methoxyacetic acid, 2-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.227	74.24 ng	2930370	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	58
2	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	52
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49
4	Nonadecane	268	C19H40	000629-92-5	49
5	Tetracosane	338	C24H50	000646-31-1	49





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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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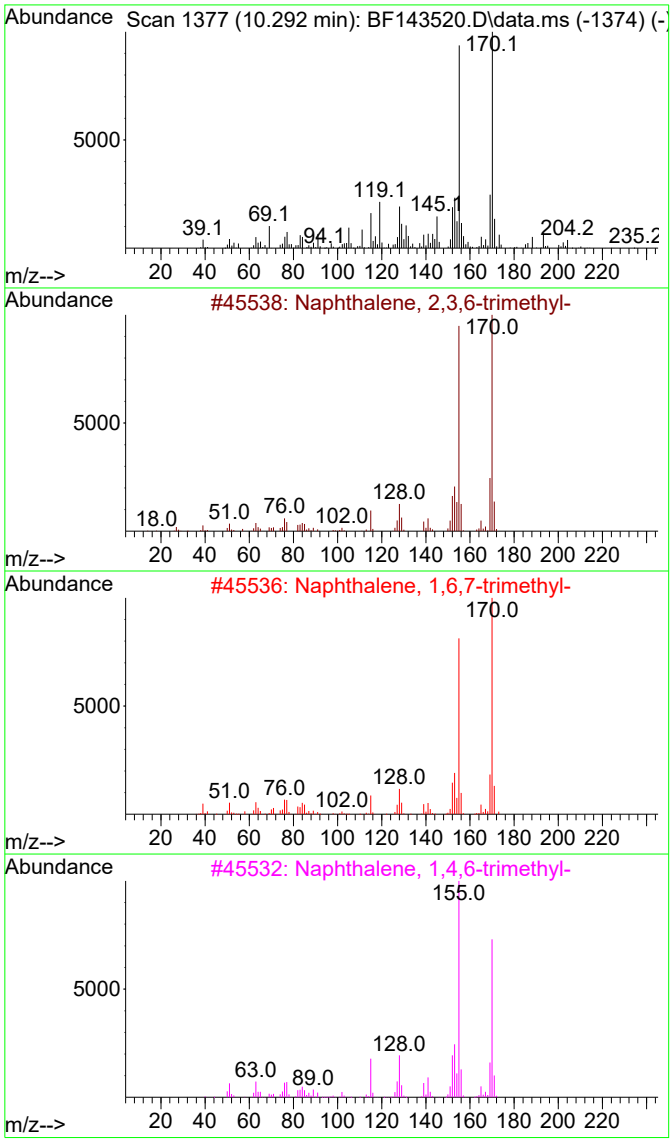
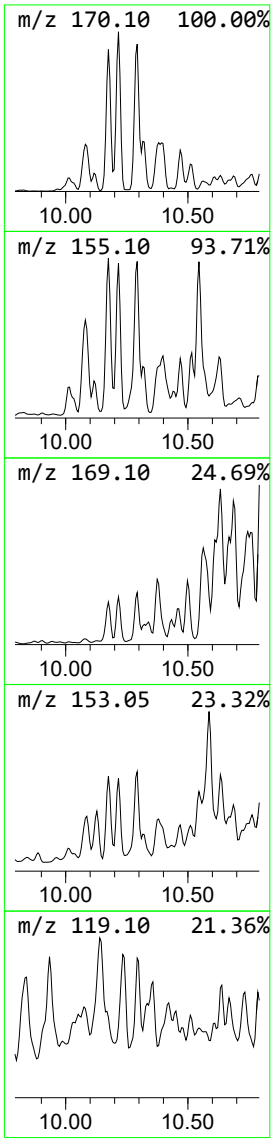
Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.292	25.45 ng	1004370	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





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ALS Vial : 4 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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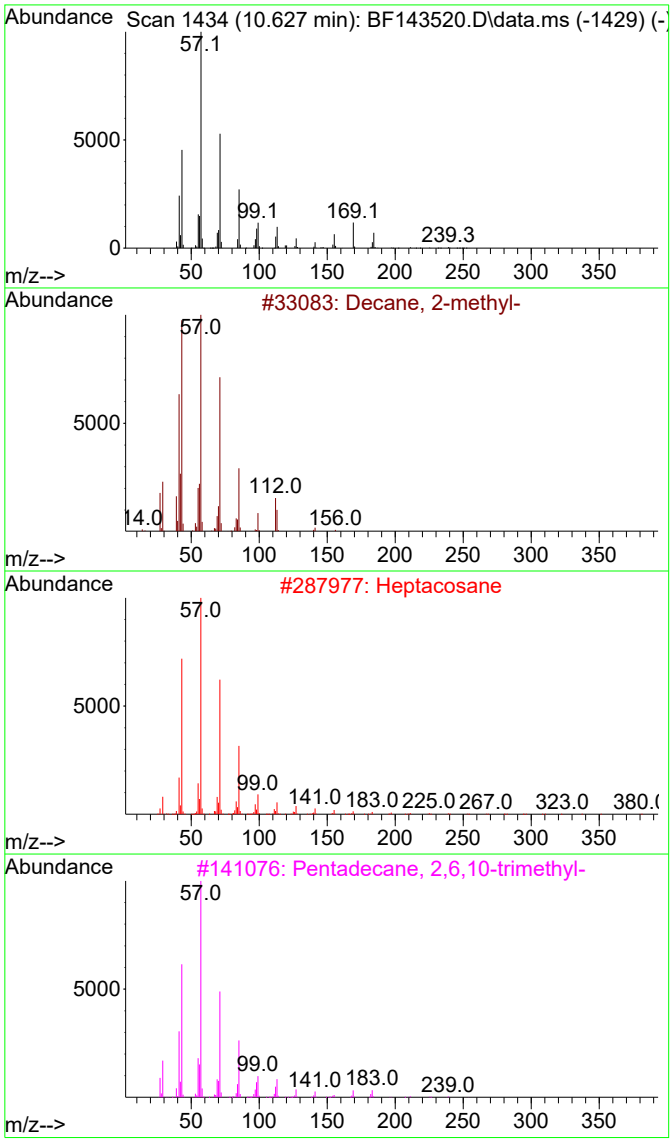
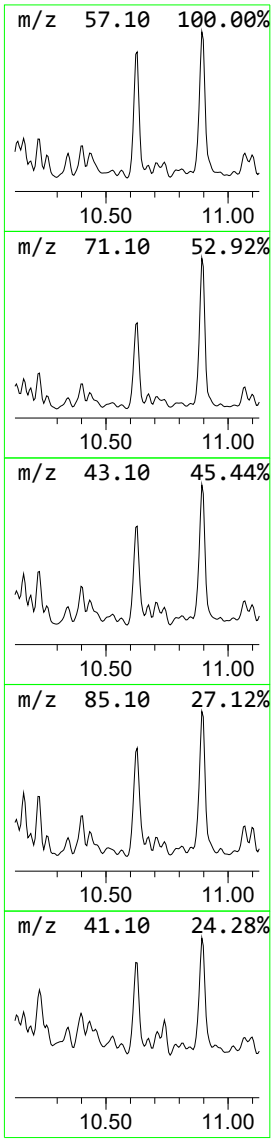
Peak Number 15 Decane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	96.52 ng	3809360	Acenaphthene-d10	9.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	76
2	Heptacosane	380	C27H56	000593-49-7	72
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	60
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59
5	Heneicosane	296	C21H44	000629-94-7	58





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Data File : BF143520.D
Acq On    : 21 Aug 2025  10:20
Operator  : RC/JU
Sample    : Q2820-24
Misc      :
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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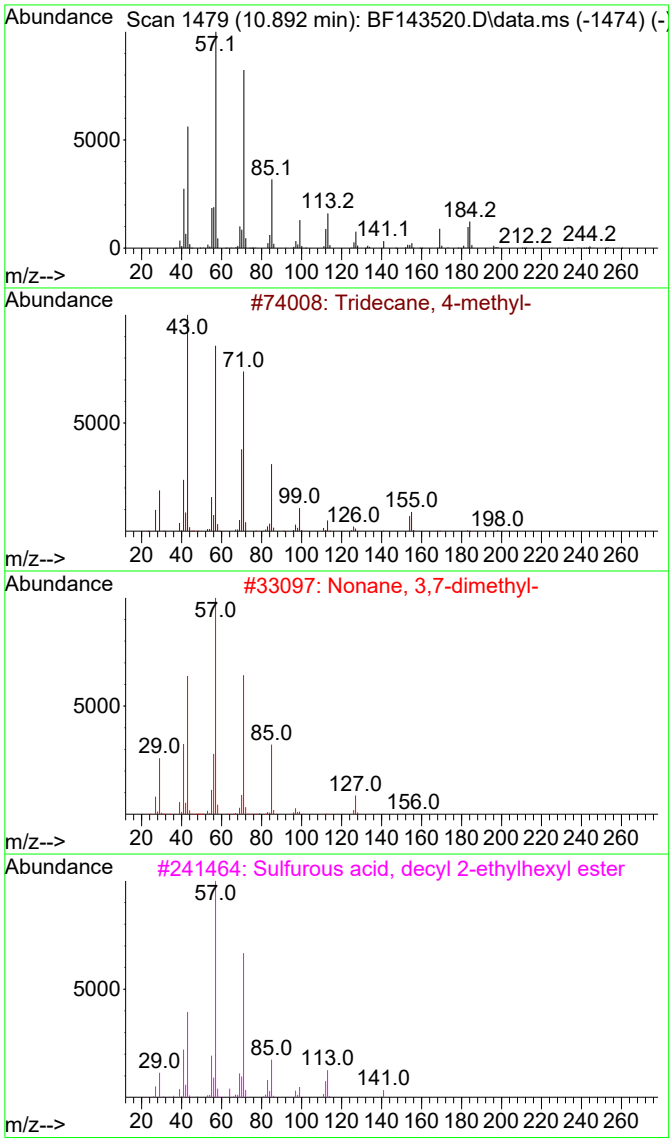
Instrument :
BNA_F
ClientSampleId :
22M-S

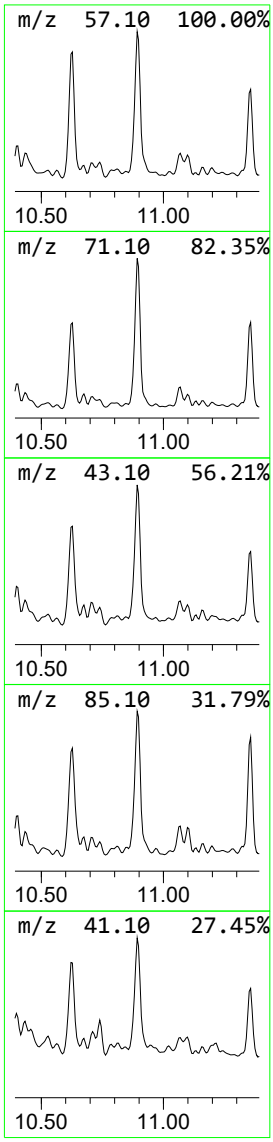
****

Peak Number 16 Tridecane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.892	146.74 ng	5580460	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	70
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	58
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52





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Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

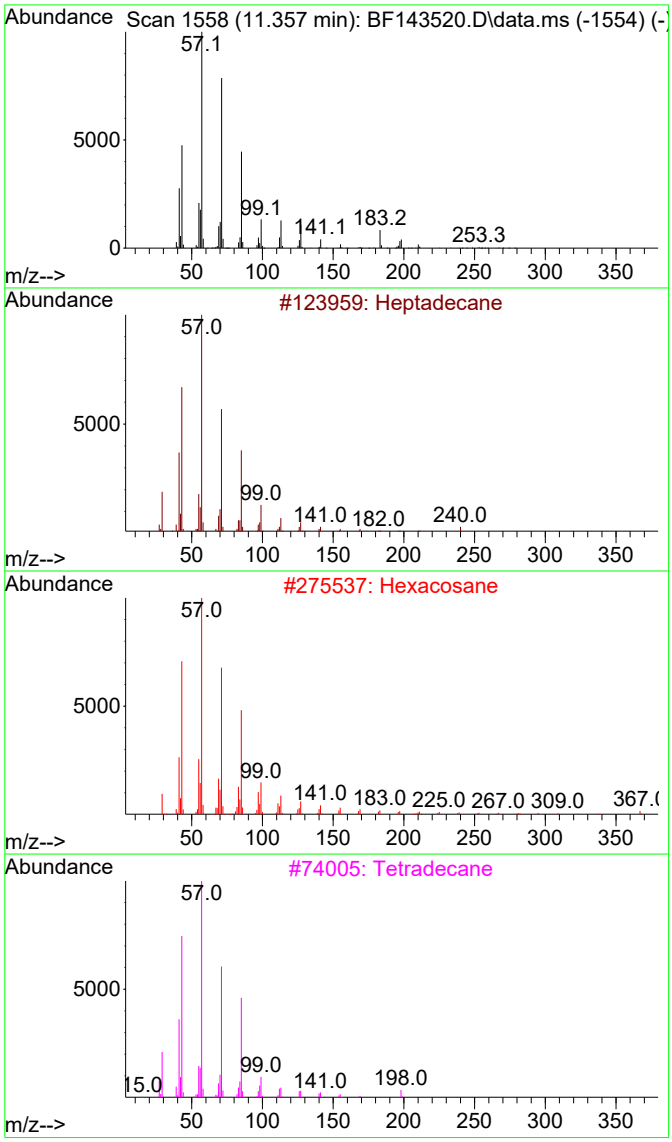
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

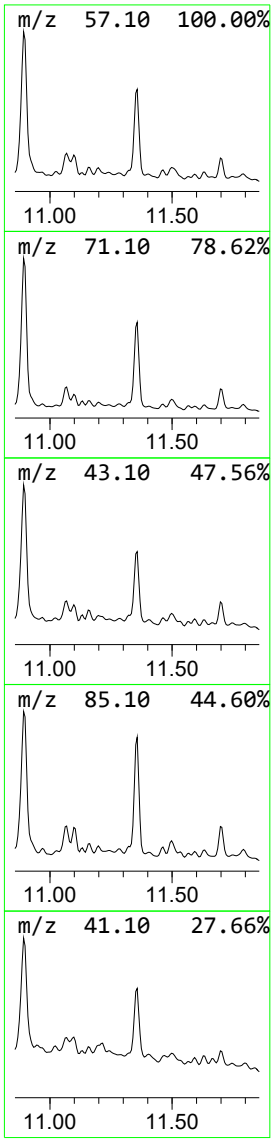
****

Peak Number 17 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.357	85.82 ng	3263700	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Hexadecane	226	C16H34	000544-76-3	87
5	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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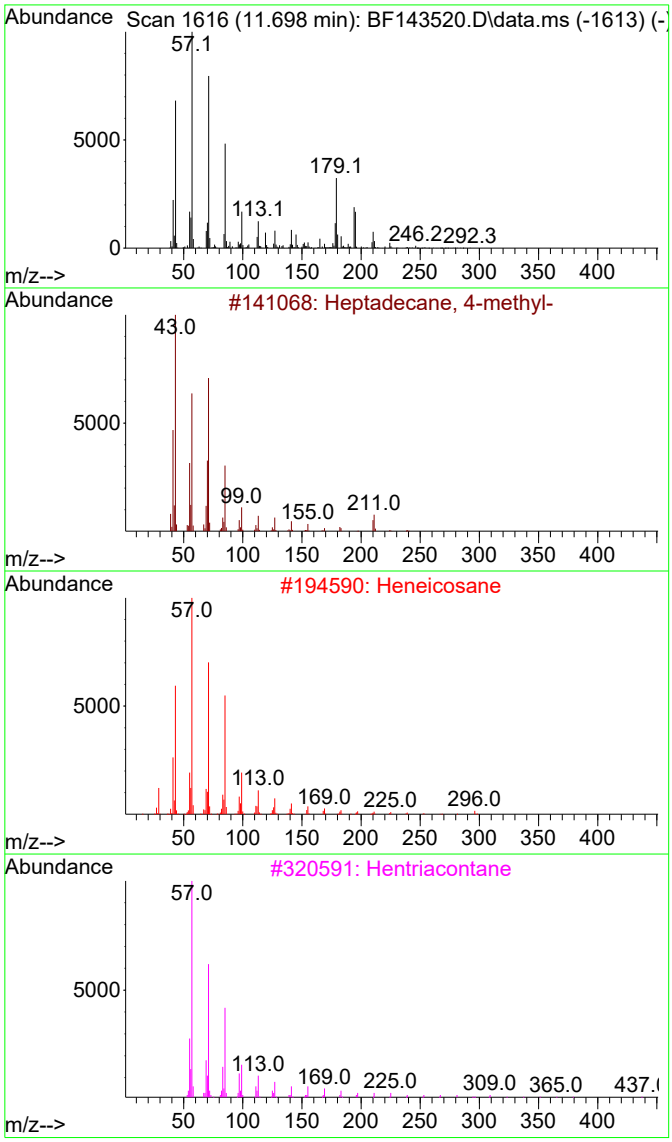
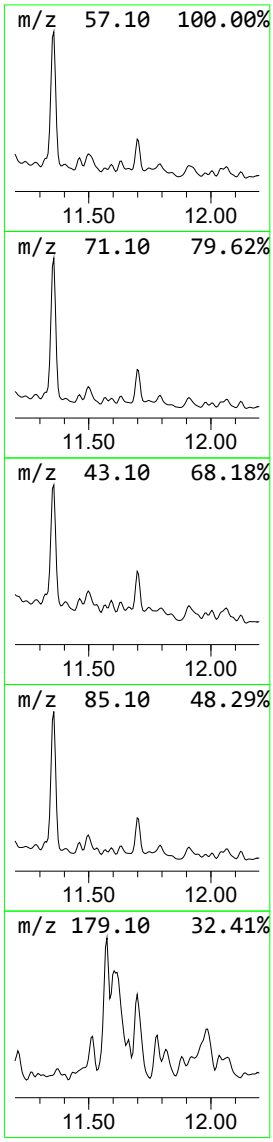
Peak Number 18 Heptadecane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.698	40.82 ng	1552220	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	68
2	Heneicosane	296	C21H44	000629-94-7	64
3	Hentriacontane	437	C31H64	000630-04-6	64
4	2-Bromotetradecane	276	C14H29Br	074036-95-6	64
5	Hexacosane	366	C26H54	000630-01-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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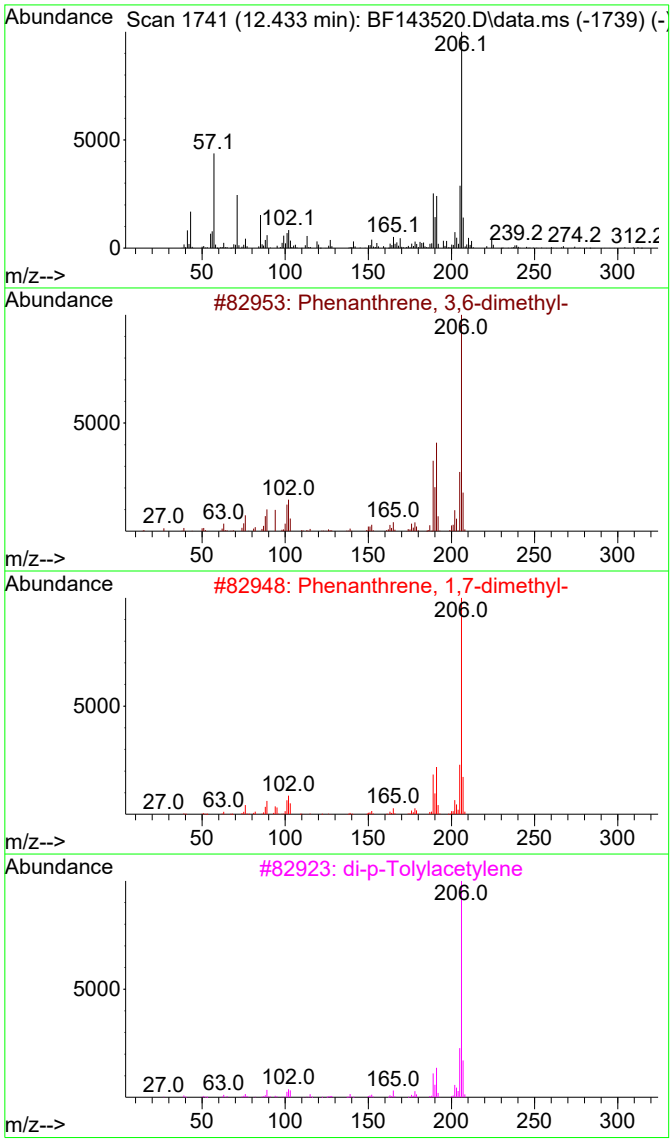
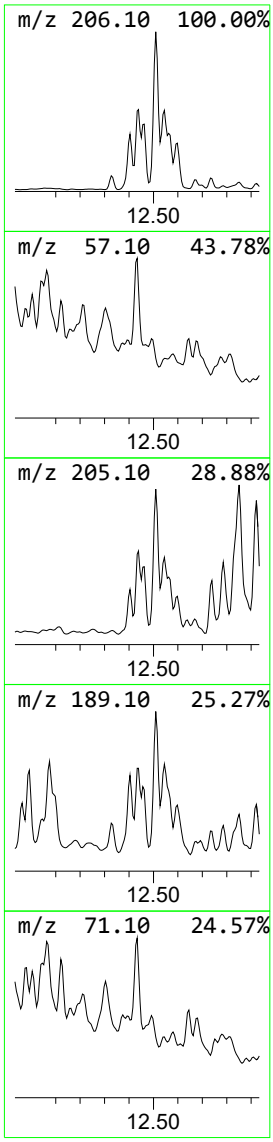
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	19.93 ng	758015	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
5	7-Methoxy-6-methyl-2,4-pteridine...	206	C8H10N6O	343347-40-0	52





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On    : 21 Aug 2025  10:20
Operator  : RC/JU
Sample    : Q2820-24
Misc      :
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

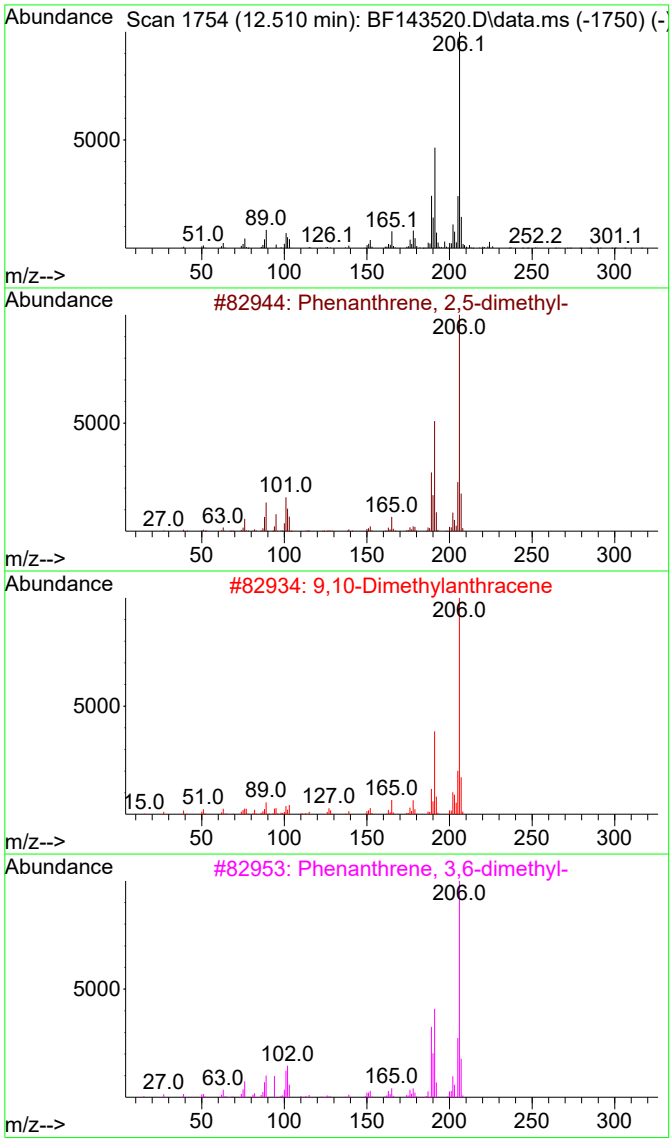
Instrument :
BNA_F
ClientSampleId :
22M-S

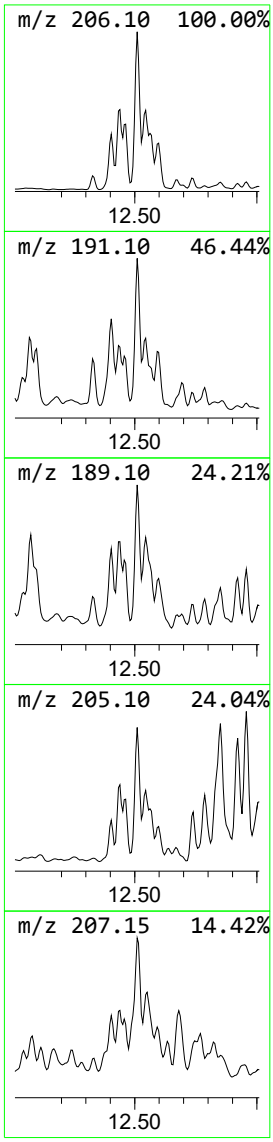
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	14.73 ng	560057	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143520.D
Acq On : 21 Aug 2025 10:20
Operator : RC/JU
Sample : Q2820-24
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
22M-S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.257	16.5	ng	1153360	1	6.928	1399500	20.0
Undecane, 2,6-d...	8.275	17.0	ng	1721420	2	8.210	2029510	20.0
unknown8.504	8.504	17.8	ng	1808330	2	8.210	2029510	20.0
Decane, 2,6,7-t...	8.633	46.1	ng	4678030	2	8.210	2029510	20.0
Tridecane	8.804	12.8	ng	1297710	2	8.210	2029510	20.0
Tetratetracontane	8.898	13.9	ng	1412970	2	8.210	2029510	20.0
Carbonic acid, ...	9.092	14.2	ng	1438080	2	8.210	2029510	20.0
Tridecane, 2-me...	9.169	17.5	ng	691220	3	9.975	789380	20.0
Tridecane, 3-me...	9.210	24.7	ng	974190	3	9.975	789380	20.0
unknown9.375	9.375	103.6	ng	4089110	3	9.975	789380	20.0
Sulfurous acid,...	9.692	157.4	ng	6212490	3	9.975	789380	20.0
7-Hexadecene, (Z)-	9.845	20.0	ng	789380	3	9.975	789380	20.0
Methoxyacetic a...	10.227	74.2	ng	2930370	3	9.975	789380	20.0
Naphthalene, 2,...	10.292	25.4	ng	1004370	3	9.975	789380	20.0
Decane, 2-methyl-	10.627	96.5	ng	3809360	3	9.975	789380	20.0
Tridecane, 4-me...	10.892	146.7	ng	5580460	4	11.463	760582	20.0
Heptadecane	11.357	85.8	ng	3263700	4	11.463	760582	20.0
Heptadecane, 4-...	11.698	40.8	ng	1552220	4	11.463	760582	20.0
Phenanthrene, 3...	12.433	19.9	ng	758015	4	11.463	760582	20.0
Phenanthrene, 2...	12.510	14.7	ng	560057	4	11.463	760582	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143343.D 5 =BF143344.D 10 =BF143345.D 20 =BF143346.D 40 =BF143347.D 50 =BF143348.D 60 =BF143349.D 80 =BF1433
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.606	0.582	0.614	0.596	0.592	0.612	0.586	0.598	2.12
3)		Pyridine		1.476	1.573	1.597	1.615	1.623	1.668	1.613	1.595	3.75
4)		n-Nitrosodimet...			0.686	0.711	0.759	0.762	0.776	0.764	0.743	4.80
5)	S	2-Fluorophenol		1.155	1.170	1.207	1.179	1.143	1.151	1.090	1.157	3.15
6)		Aniline		2.162	2.139	2.178	2.119	2.029	2.057	1.954	2.091	3.88
7)	S	Phenol-d6		1.527	1.505	1.541	1.500	1.447	1.475	1.386	1.483	3.58
8)		2-Chlorophenol		1.167	1.215	1.272	1.259	1.240	1.271	1.227	1.236	3.01
9)		Benzaldehyde			1.109	1.106	1.011	0.875	0.800		0.980	14.15
10)	C	Phenol		1.823	1.791	1.843	1.783	1.721	1.734	1.604	1.757	4.56
11)		bis(2-Chloroet...		1.357	1.304	1.333	1.306	1.252	1.279	1.235	1.295	3.34
12)		1,3-Dichlorobe...		1.551	1.479	1.482	1.432	1.364	1.386	1.285	1.425	6.21
13)	C	1,4-Dichlorobe...		1.576	1.510	1.485	1.414	1.370	1.366	1.294	1.431	6.82
14)		1,2-Dichlorobe...		1.486	1.416	1.407	1.347	1.295	1.309	1.247	1.358	6.09
15)		Benzyl Alcohol			0.980	1.069	1.088	1.066	1.097	1.079	1.063	3.98
16)		2,2'-oxybis(1-...		2.521	2.408	2.435	2.317	2.214	2.224	2.065	2.312	6.76
17)		2-Methylphenol		1.017	1.038	1.077	1.064	1.036	1.059	1.012	1.043	2.35
18)		Hexachloroethane		0.425	0.433	0.460	0.462	0.449	0.466	0.444	0.449	3.42
19)	P	n-Nitroso-di-n...	0.956	0.992	0.942	0.957	0.910	0.863	0.875	0.837	0.916	5.89
20)		3+4-Methylphenols			1.331	1.373	1.288	1.227	1.227	1.125	1.262	7.00
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.500	0.478	0.475	0.429	0.404	0.417	0.381	0.441	9.98
23)	S	Nitrobenzene-d5		0.277	0.304	0.339	0.336	0.328	0.341	0.324	0.321	7.17
24)		Nitrobenzene		0.322	0.329	0.366	0.359	0.352	0.367	0.347	0.349	5.02
25)		Isophorone		0.692	0.662	0.683	0.645	0.627	0.651	0.630	0.656	3.79
26)	C	2-Nitrophenol		0.069	0.085	0.109	0.126	0.134	0.151	0.150	0.118	26.89
27)		2,4-Dimethylph...		0.259	0.261	0.288	0.279	0.275	0.285	0.267	0.274	4.15
28)		bis(2-Chloroet...		0.424	0.410	0.425	0.396	0.383	0.396	0.369	0.400	5.19
29)	C	2,4-Dichloroph...		0.243	0.256	0.286	0.275	0.270	0.279	0.262	0.267	5.54
30)		1,2,4-Trichlor...		0.299	0.290	0.299	0.277	0.269	0.278	0.260	0.282	5.30
31)		Naphthalene		1.083	1.023	1.029	0.944	0.901	0.917	0.839	0.962	8.88
32)		Benzoic acid			0.069	0.085	0.108	0.120	0.136	0.142	0.110	25.83
33)		4-Chloroaniline		0.362	0.350	0.367	0.345	0.334	0.345	0.326	0.347	4.13
34)	C	Hexachlorobuta...		0.185	0.181	0.187	0.175	0.166	0.171	0.161	0.175	5.49
35)		Caprolactam			0.061	0.073	0.079	0.078	0.081	0.079	0.075	9.95
36)	C	4-Chloro-3-met...		0.270	0.274	0.296	0.286	0.279	0.286	0.270	0.280	3.54
37)		2-Methylnaphth...		0.720	0.673	0.681	0.622	0.591	0.593	0.548	0.633	9.63
38)		1-Methylnaphth...		0.690	0.654	0.653	0.595	0.568	0.574	0.531	0.609	9.38

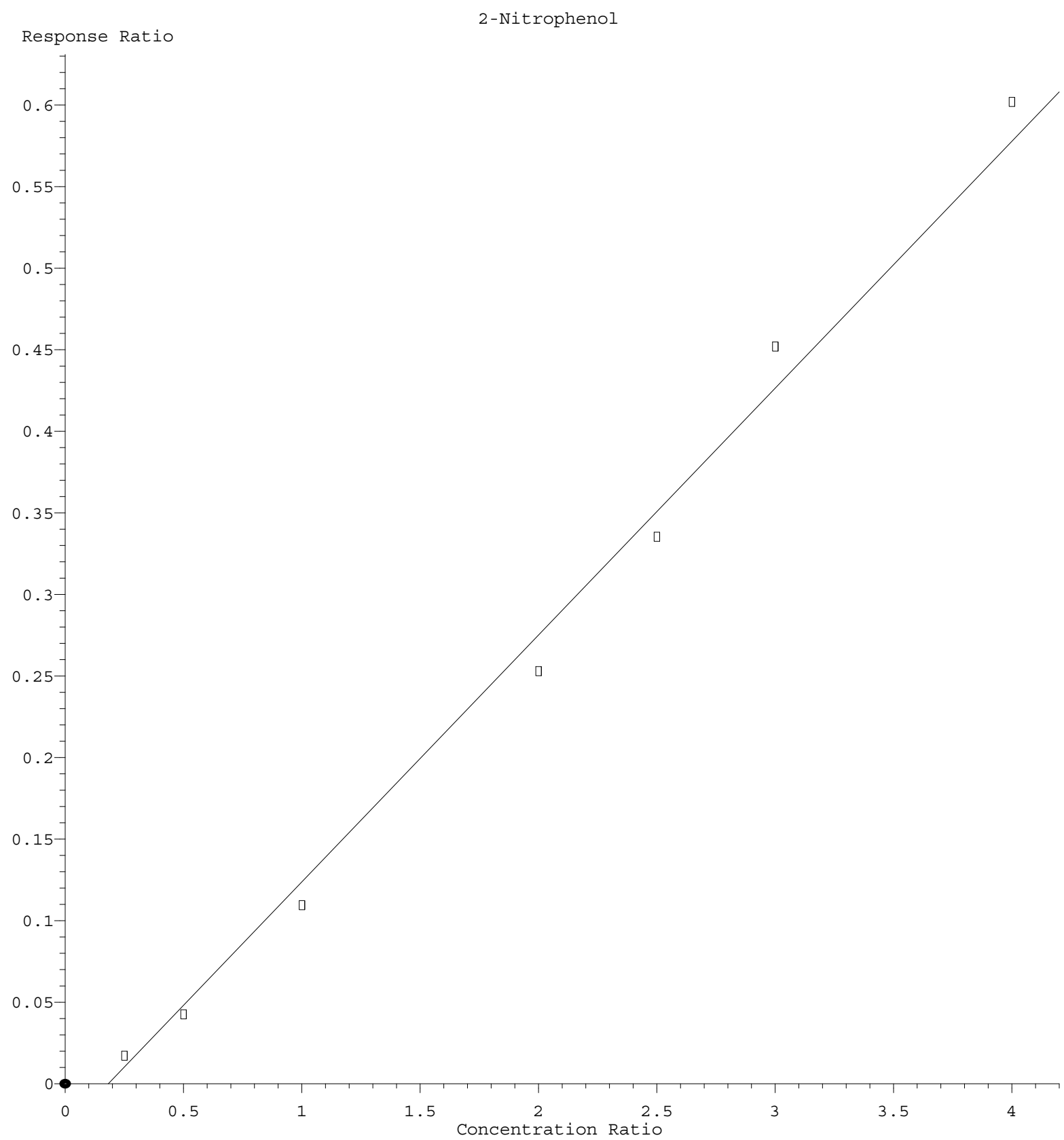
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.588	0.566	0.575	0.542	0.524	0.537	0.499	0.547	5.66
41)	P	Hexachlorocycl...		0.088	0.130	0.167	0.172	0.192	0.201	0.158	26.72
42)	S	2,4,6-Tribromo...	0.105	0.127	0.149	0.160	0.160	0.164	0.159	0.146	15.13
43)	C	2,4,6-Trichlor...	0.242	0.272	0.316	0.334	0.328	0.343	0.338	0.311	12.43
44)		2,4,5-Trichlor...	0.307	0.308	0.366	0.377	0.364	0.370	0.361	0.351	8.48
45)	S	2-Fluorobiphenyl	1.444	1.332	1.285	1.132	1.060	1.052	0.951	1.179	15.06
46)		1,1'-Biphenyl	1.613	1.506	1.516	1.389	1.317	1.335	1.223	1.414	9.63
47)		2-Chloronaphth...	1.216	1.176	1.180	1.095	1.046	1.081	1.003	1.114	7.06
48)		2-Nitroaniline	0.188	0.223	0.279	0.309	0.321	0.336	0.330	0.284	20.23
49)		Acenaphthylene	1.759	1.682	1.719	1.588	1.525	1.541	1.444	1.608	7.13
50)		Dimethylphthalate	1.160	1.178	1.244	1.180	1.144	1.171	1.103	1.169	3.66
51)		2,6-Dinitrotol...	0.125	0.147	0.188	0.213	0.219	0.234	0.228	0.193	21.87
52)	C	Acenaphthene	1.208	1.127	1.121	1.054	1.012	1.017	0.945	1.069	8.28
53)		3-Nitroaniline	0.159	0.193	0.250	0.261	0.265	0.281	0.266	0.239	18.92
54)	P	2,4-Dinitrophenol		0.030	0.046	0.066	0.073	0.086	0.092	0.065	36.52
55)		Dibenzofuran	1.757	1.641	1.634	1.511	1.438	1.446	1.346	1.539	9.33
56)	P	4-Nitrophenol		0.096	0.147	0.173	0.180	0.194	0.190	0.163	22.52
57)		2,4-Dinitrotol...	0.154	0.191	0.257	0.289	0.296	0.308	0.297	0.256	23.42
58)		Fluorene	1.381	1.288	1.251	1.142	1.091	1.089	0.986	1.175	11.65
59)		2,3,4,6-Tetrac...	0.172	0.188	0.236	0.255	0.258	0.276	0.270	0.236	17.33
60)		Diethylphthalate	1.011	1.061	1.132	1.081	1.037	1.031	0.974	1.047	4.84
61)		4-Chlorophenyl...	0.645	0.601	0.600	0.563	0.533	0.536	0.498	0.568	8.84
62)		4-Nitroaniline	0.174	0.202	0.253	0.249	0.248	0.253	0.242	0.232	13.40
63)		Azobenzene	1.302	1.228	1.285	1.193	1.147	1.149	1.065	1.196	6.99
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.036	0.054	0.071	0.077	0.087	0.091	0.069	29.75
66)	c	n-Nitrosodiphe...	0.693	0.670	0.674	0.655	0.639	0.651	0.627	0.659	3.38
67)		4-Bromophenyl-...	0.232	0.222	0.232	0.231	0.227	0.231	0.226	0.229	1.65
68)		Hexachlorobenzene	0.258	0.249	0.250	0.244	0.237	0.248	0.240	0.247	2.76
69)		Atrazine	0.147	0.157	0.187	0.178	0.180	0.182	0.173	0.172	8.45
70)	C	Pentachlorophenol		0.058	0.087	0.108	0.113	0.120	0.122	0.101	24.06
71)		Phenanthrene	1.214	1.159	1.156	1.081	1.022	1.034	0.973	1.091	8.02
72)		Anthracene	1.225	1.168	1.184	1.088	1.043	1.057	0.980	1.107	7.97
73)		Carbazole	1.049	1.000	1.017	0.934	0.879	0.893	0.825	0.942	8.71
74)		Di-n-butylphth...	0.674	0.739	0.889	0.864	0.819	0.817	0.780	0.798	9.24
75)	C	Fluoranthene	1.120	1.054	1.051	0.917	0.873	0.856	0.820	0.956	12.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.541	0.653	0.591	0.549	0.511	0.434	0.547	13.50
78)		Pyrene	1.924	1.963	1.910	1.661	1.513	1.460	1.315	1.678	15.44
79)	S	Terphenyl-d14	1.337	1.346	1.297	1.089	0.976	0.957	0.841	1.120	18.44
80)		Butylbenzylpht...	0.179	0.208	0.272	0.303	0.320	0.346	0.359	0.284	24.15
81)		Benzo(a)anthra...	1.335	1.224	1.339	1.258	1.229	1.309	1.205	1.271	4.37
82)		3,3'-Dichlorob...		0.255	0.327	0.364	0.374	0.382	0.358	0.343	13.77
83)		Chrysene	1.270	1.249	1.199	1.175	1.163	1.143	1.098	1.185	5.06
84)		Bis(2-ethylhex...	0.228	0.277	0.348	0.441	0.478	0.520	0.531	0.403	29.82
85)	c	Di-n-octyl pht...		0.545	0.692	0.888	0.945	1.045	1.047	0.860	23.52

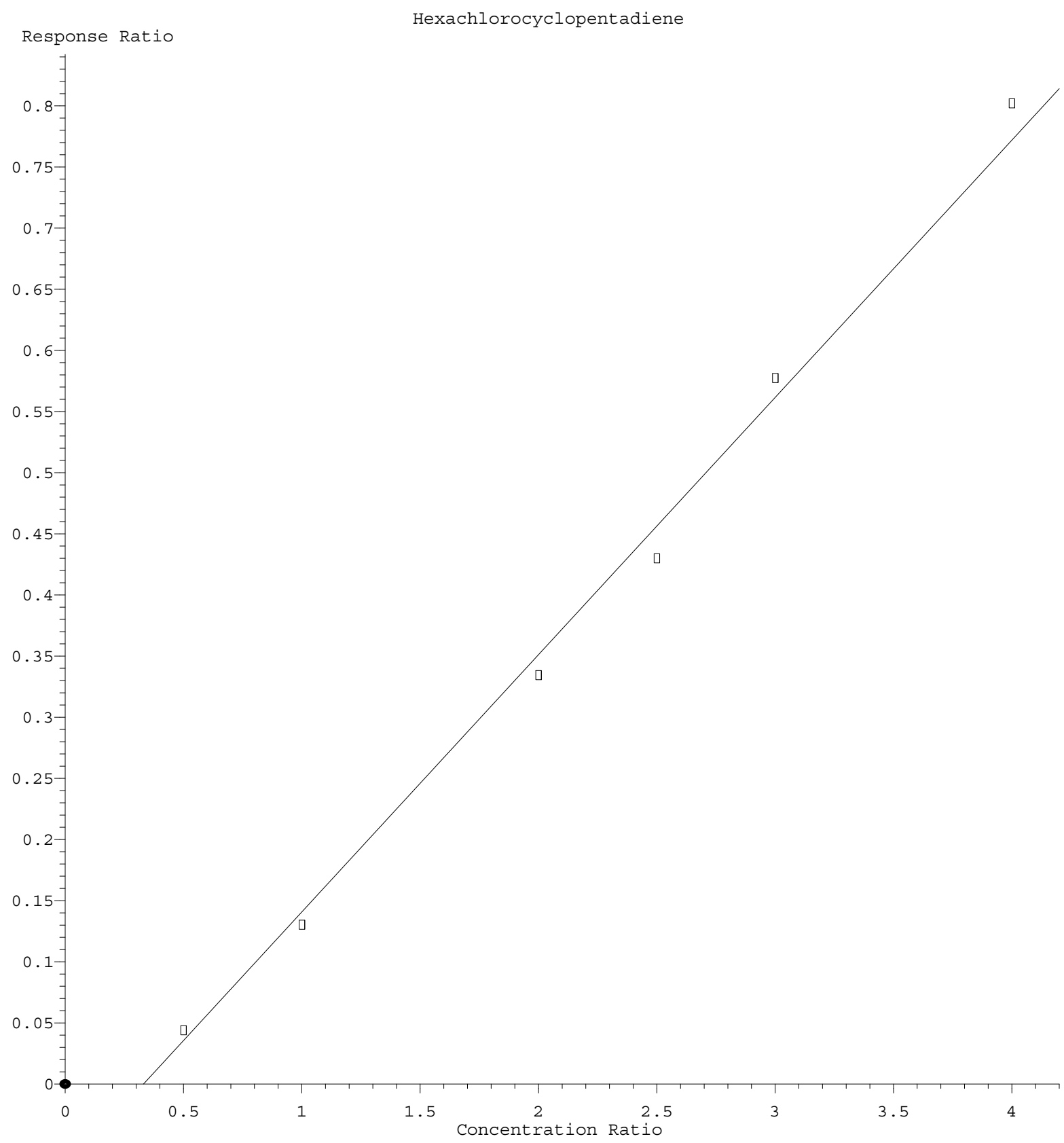
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.401	1.455	1.479	1.449	1.392	1.443	1.411	1.433	2.24
88)		Benzo(b)fluora...	1.172	1.027	1.092	1.118	1.046	1.147	1.054	1.094	4.98
89)		Benzo(k)fluora...	1.064	1.080	1.158	1.036	1.053	1.022	1.027	1.063	4.41
90)	C	Benzo(a)pyrene	1.049	1.011	1.060	1.033	1.012	1.039	1.008	1.030	1.99
91)		Dibenzo(a,h)an...	1.129	1.162	1.184	1.170	1.119	1.155	1.094	1.145	2.77
92)		Benzo(g,h,i)pe...	1.108	1.192	1.188	1.169	1.124	1.168	1.123	1.153	2.94

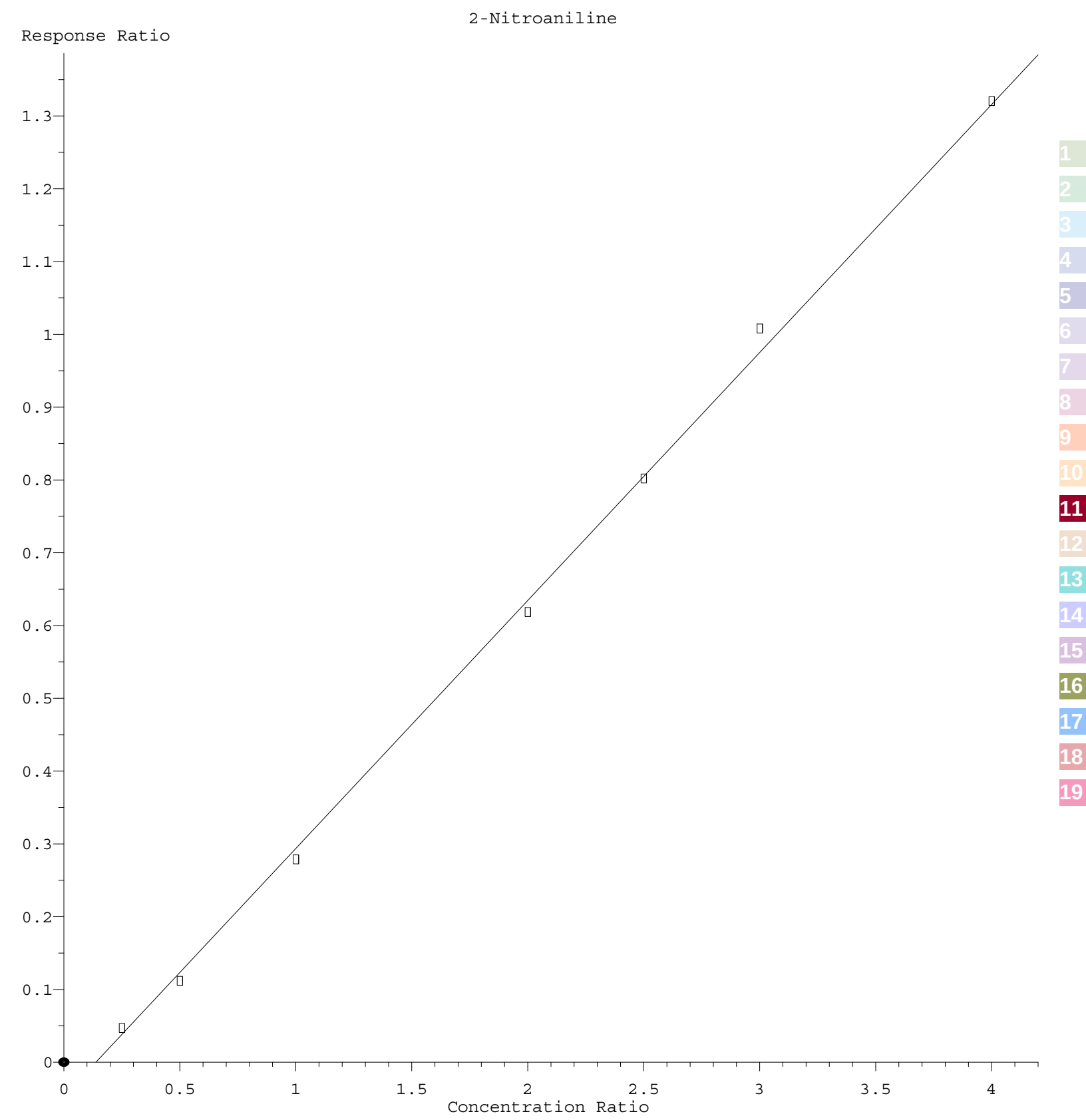
(#) = Out of Range



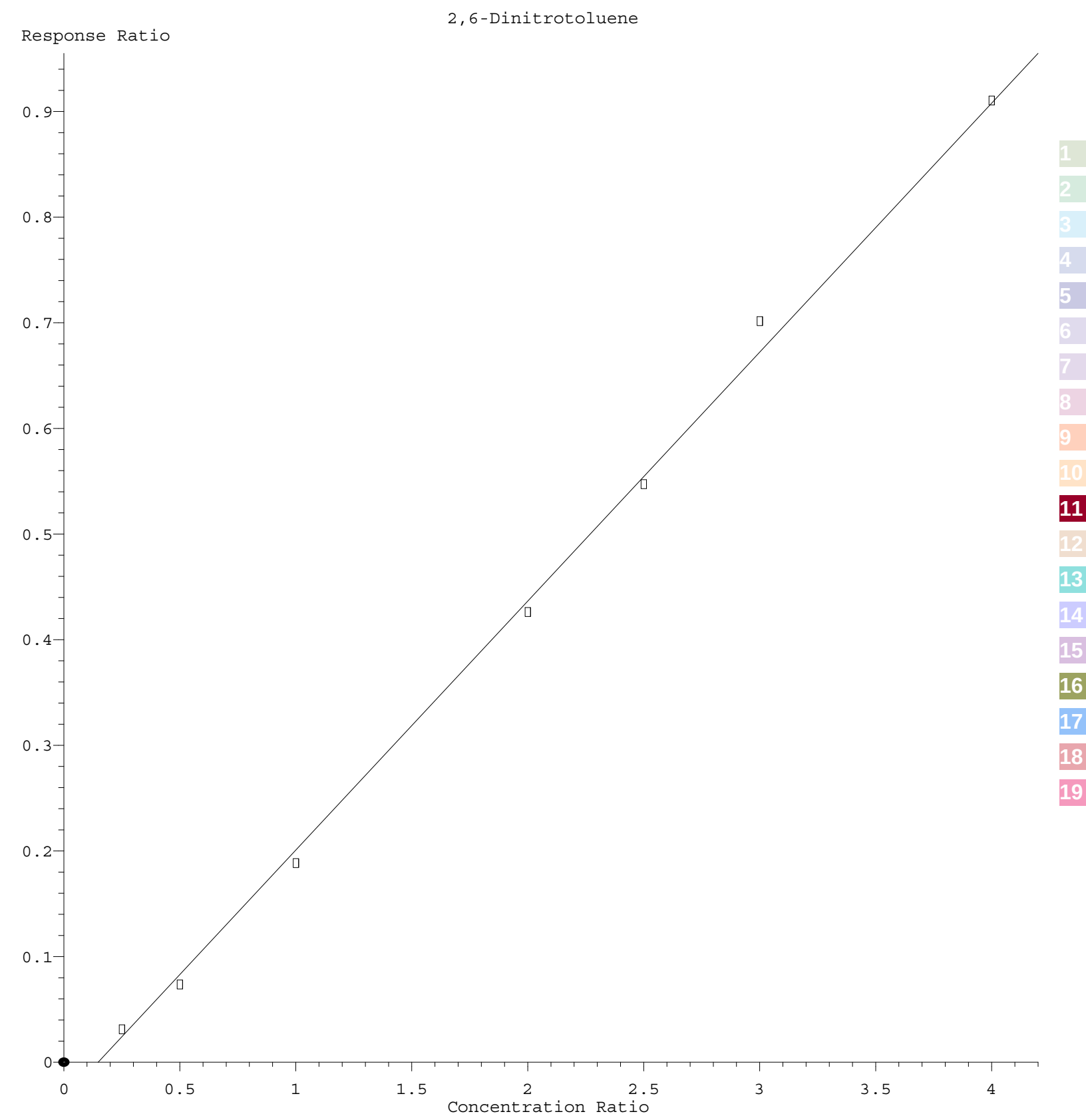
Response = 1.513e-001 * Amt - 2.755e-002
Coef of Det (r^2) = 0.993246 Curve Fit: wlr(1/a)
Method: NSWC-TCL\BNA-20\\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



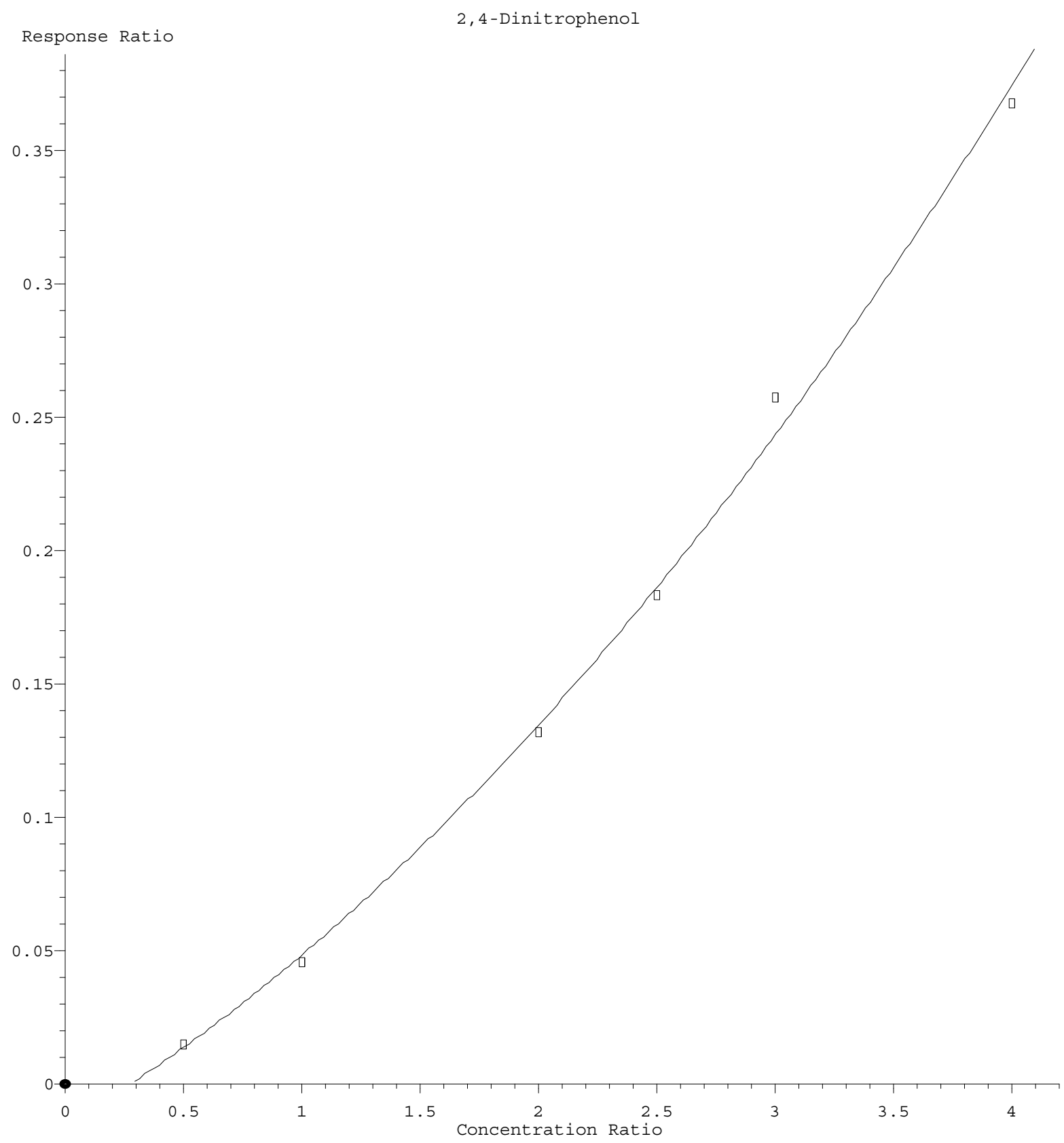
Response = 2.105e-001 * Amt - 6.972e-002
Coef of Det (r^2) = 0.995567 Curve Fit: wlr(1/a)
Method: NSWC-TCL_BNA_20 C:\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



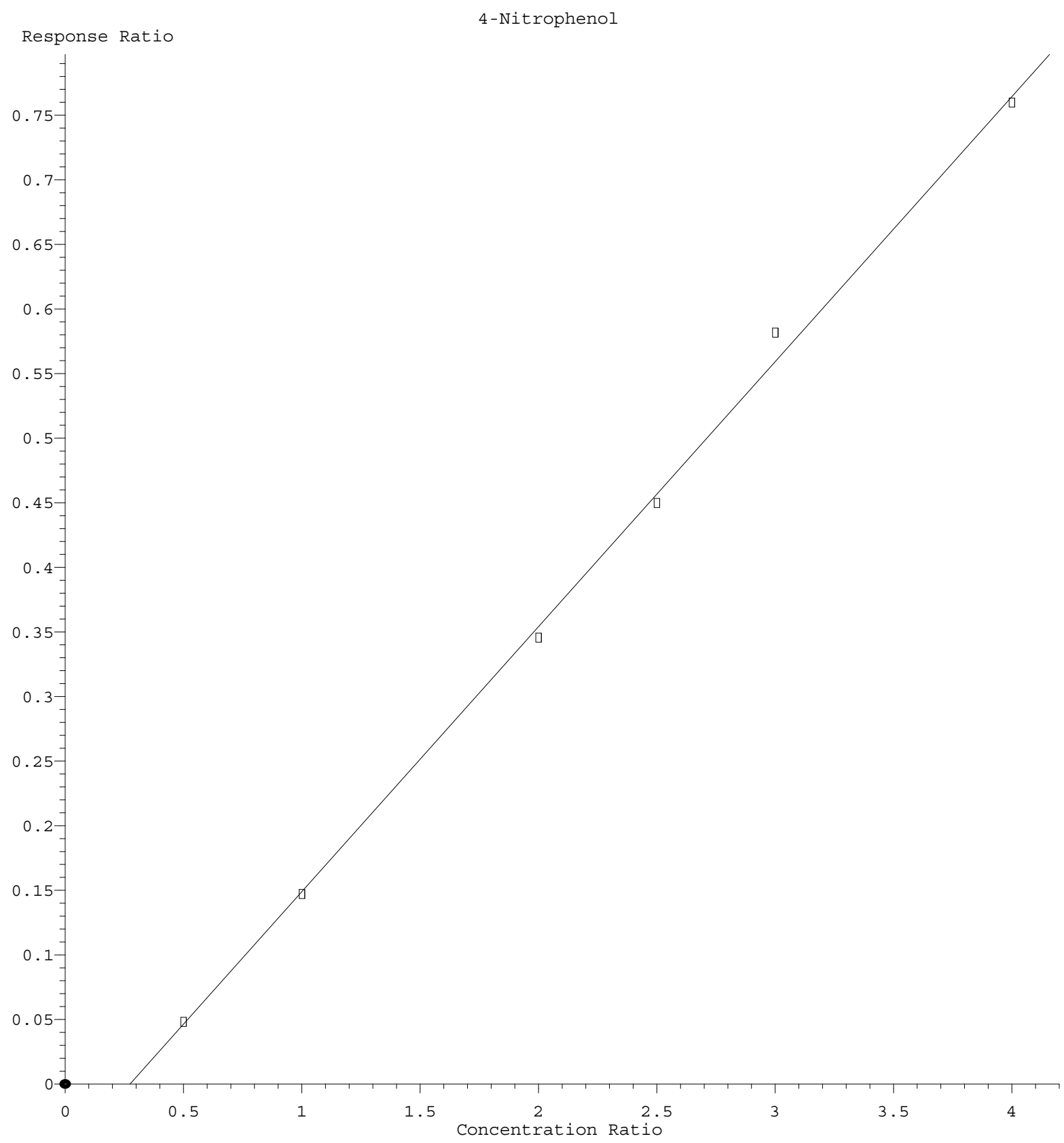
Response = 3.408e-001 * Amt - 4.713e-002
Coef of Det (r^2) = 0.998503 Curve Fit: wlr(1/a)
Method: Q2820-SVOC-TCL BNA-20 C:\Chem\1\Data\v\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



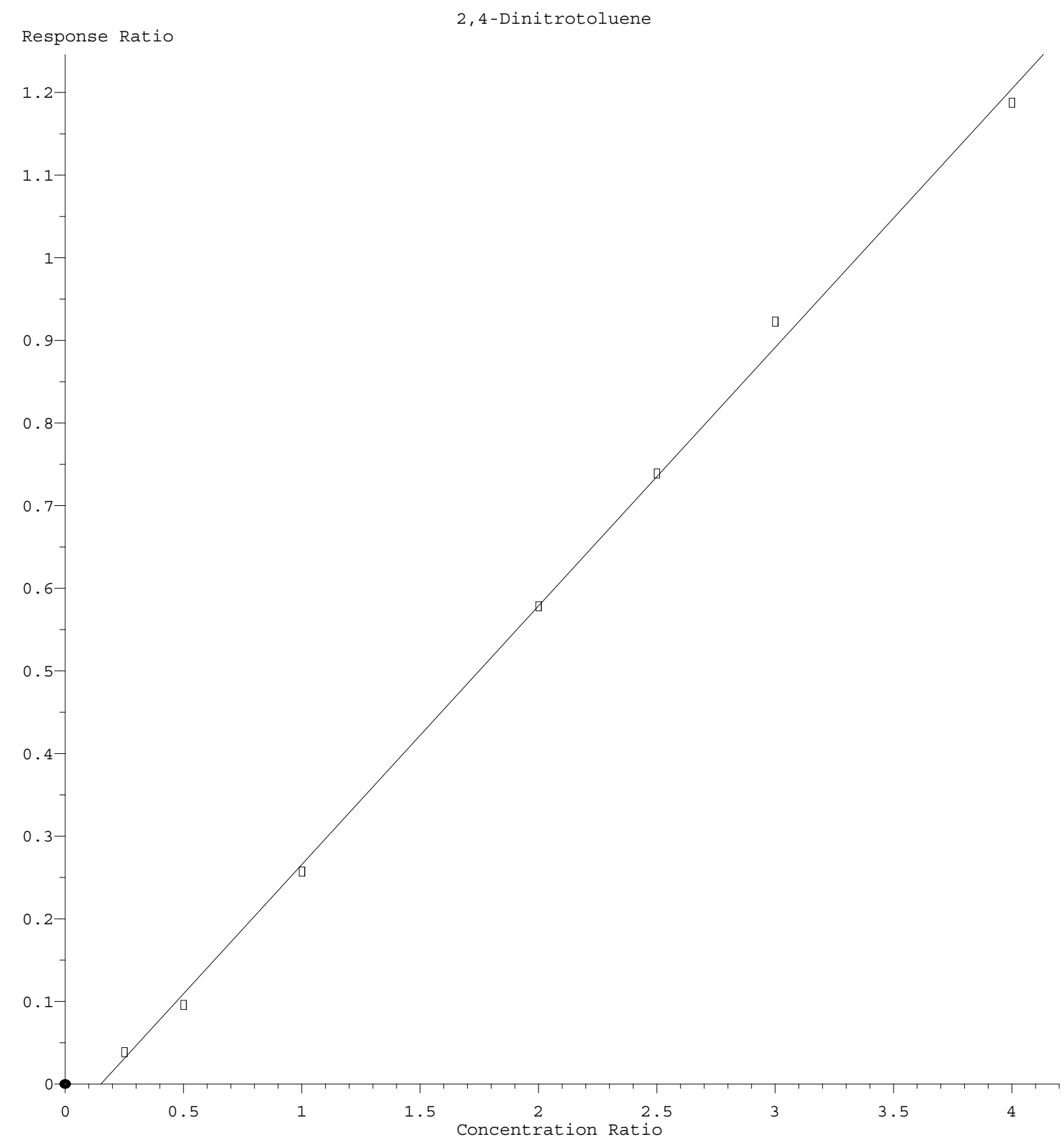
Response = 2.357e-001 * Amt - 3.491e-002
Coef of Det (r^2) = 0.997850 Curve Fit: wlr(1/a)
Method: C:\Chem\1\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



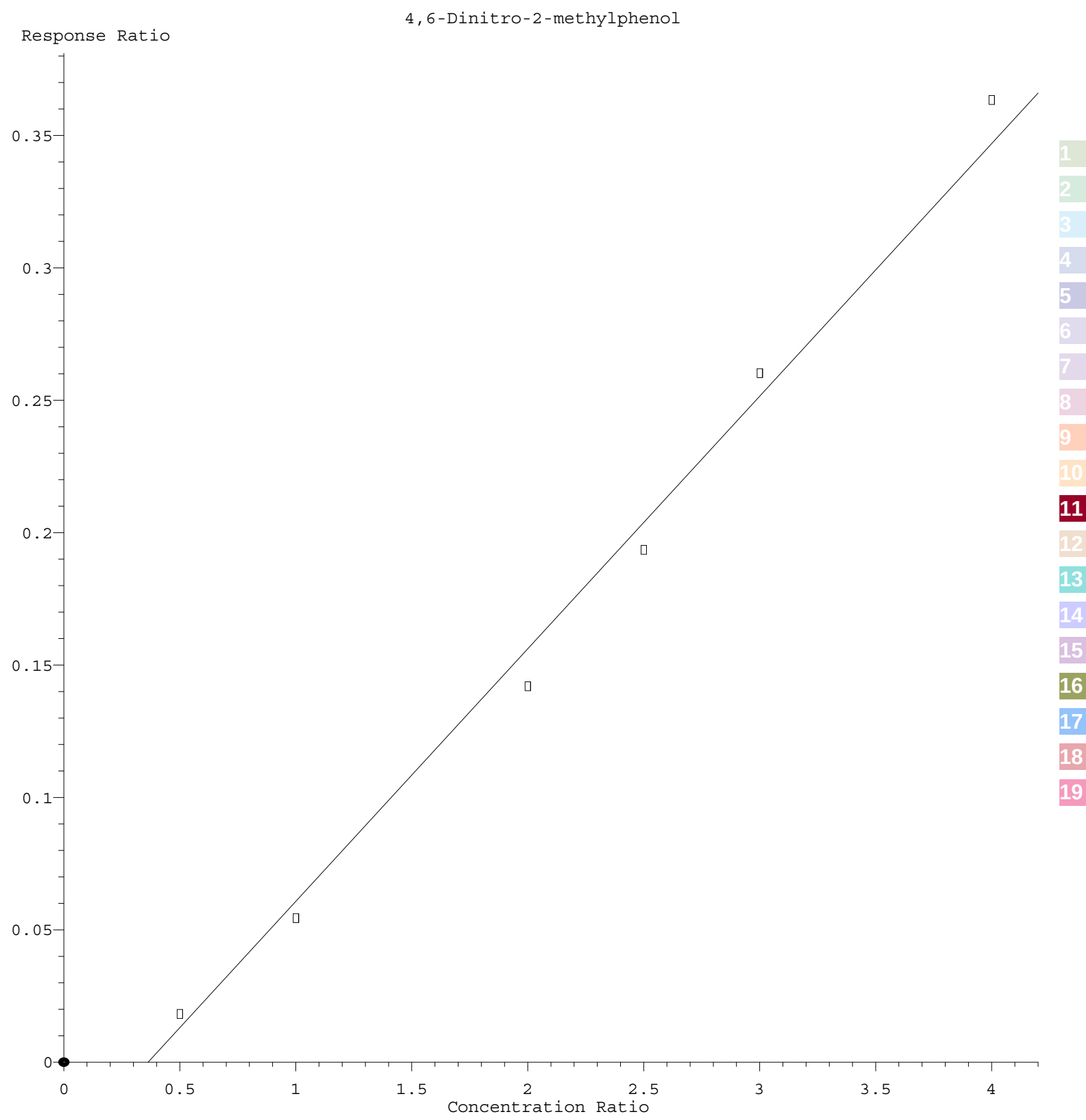
R = 1.122e-002 A*A + 5.261e-002 A - 1.543e-002
Coef of Det (r^2) = 0.997954 Curve Fit: Quadratic w(1/a)
Method: D:\ENVIRO-TECH\Data\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



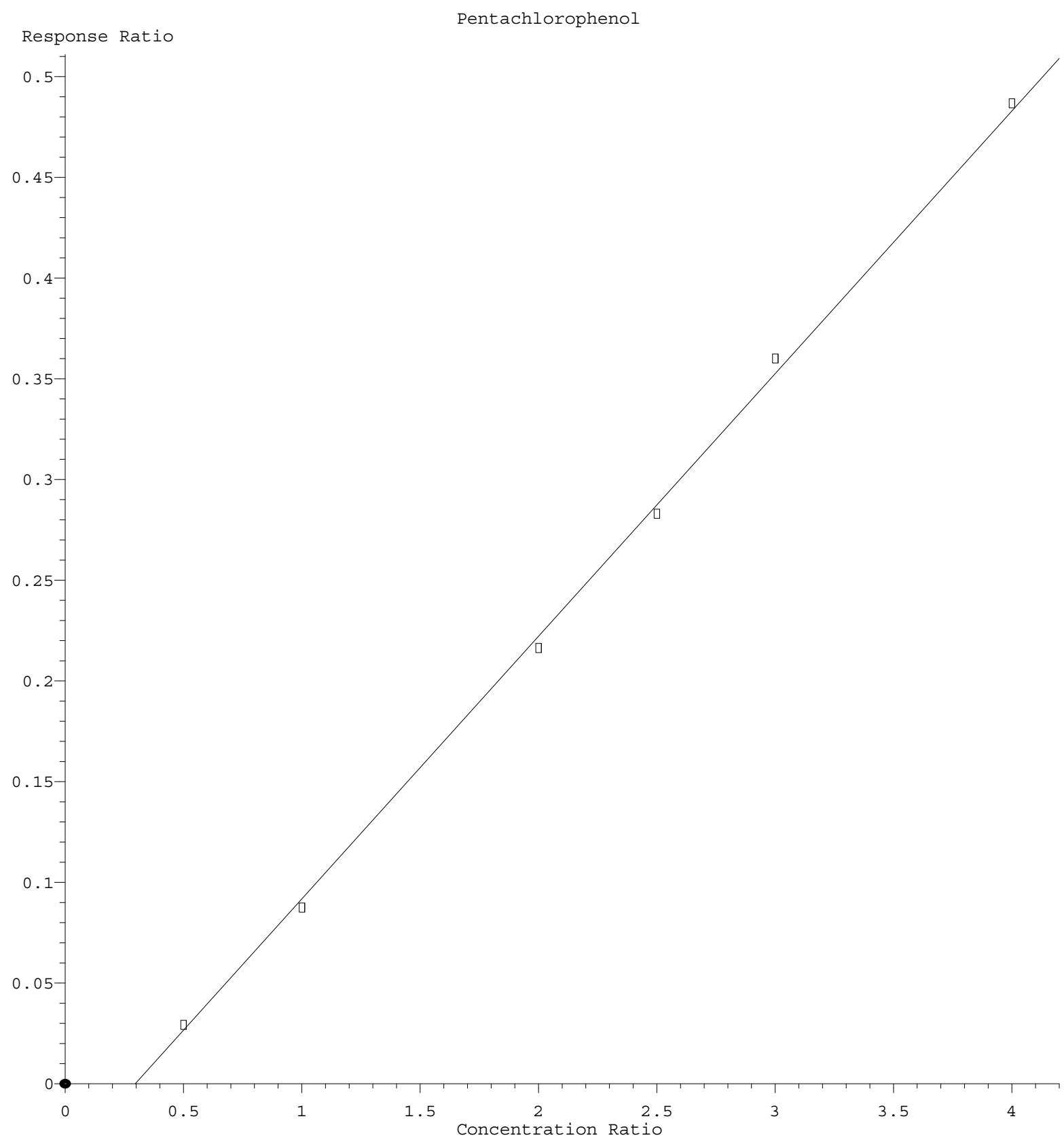
Response = 2.053e-001 * Amt - 5.623e-002
Coef of Det (r^2) = 0.998868 Curve Fit: wlr(1/a)
Method: Q:\8270-SVOC-TCL BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



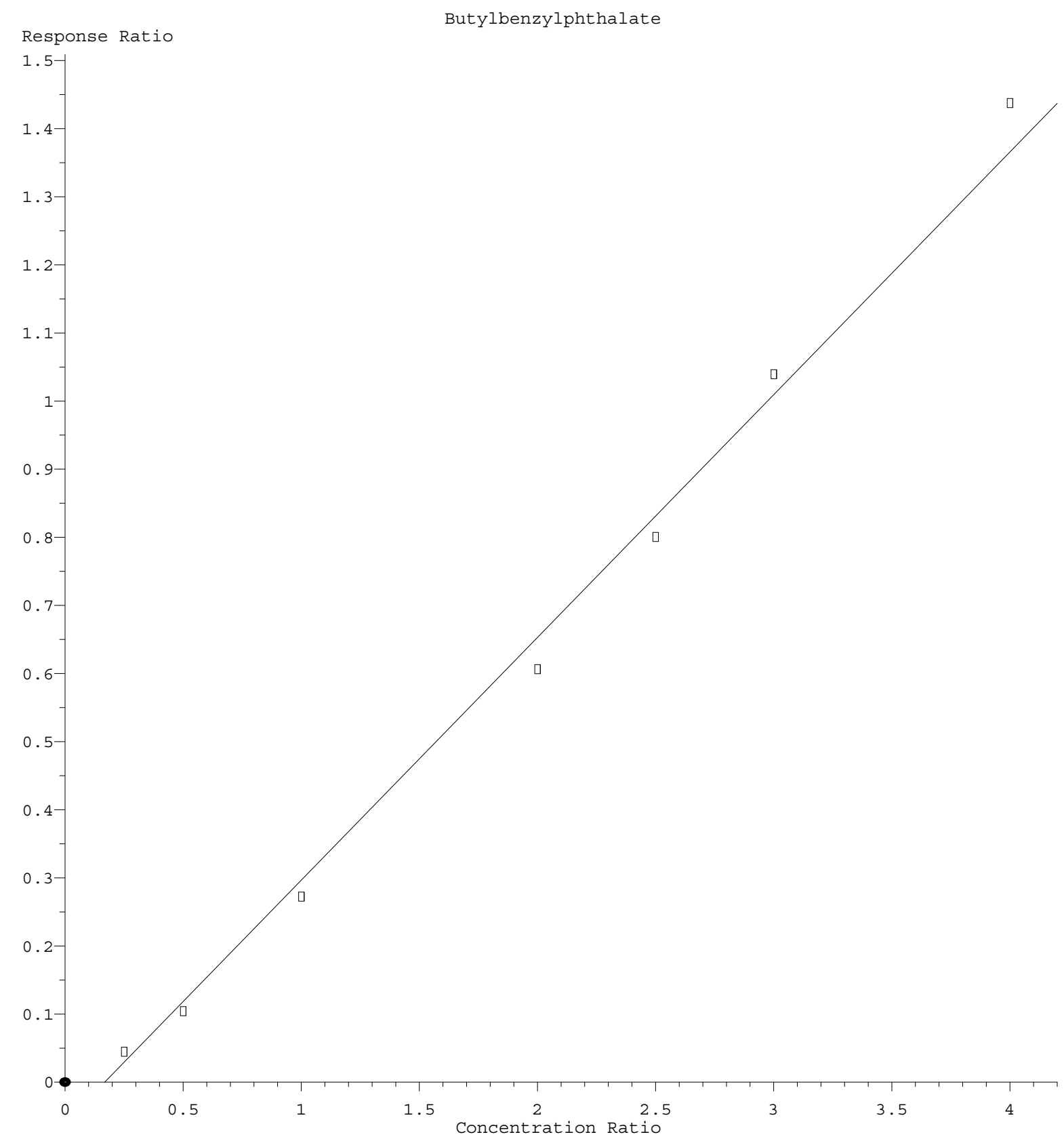
Response = 3.131e-001 * Amt - 4.718e-002
Coef of Det (r^2) = 0.998548 Curve Fit: wlr(1/a)
Method: C:\HPCHEM\1\DATA\220NSV0C-TCL_BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



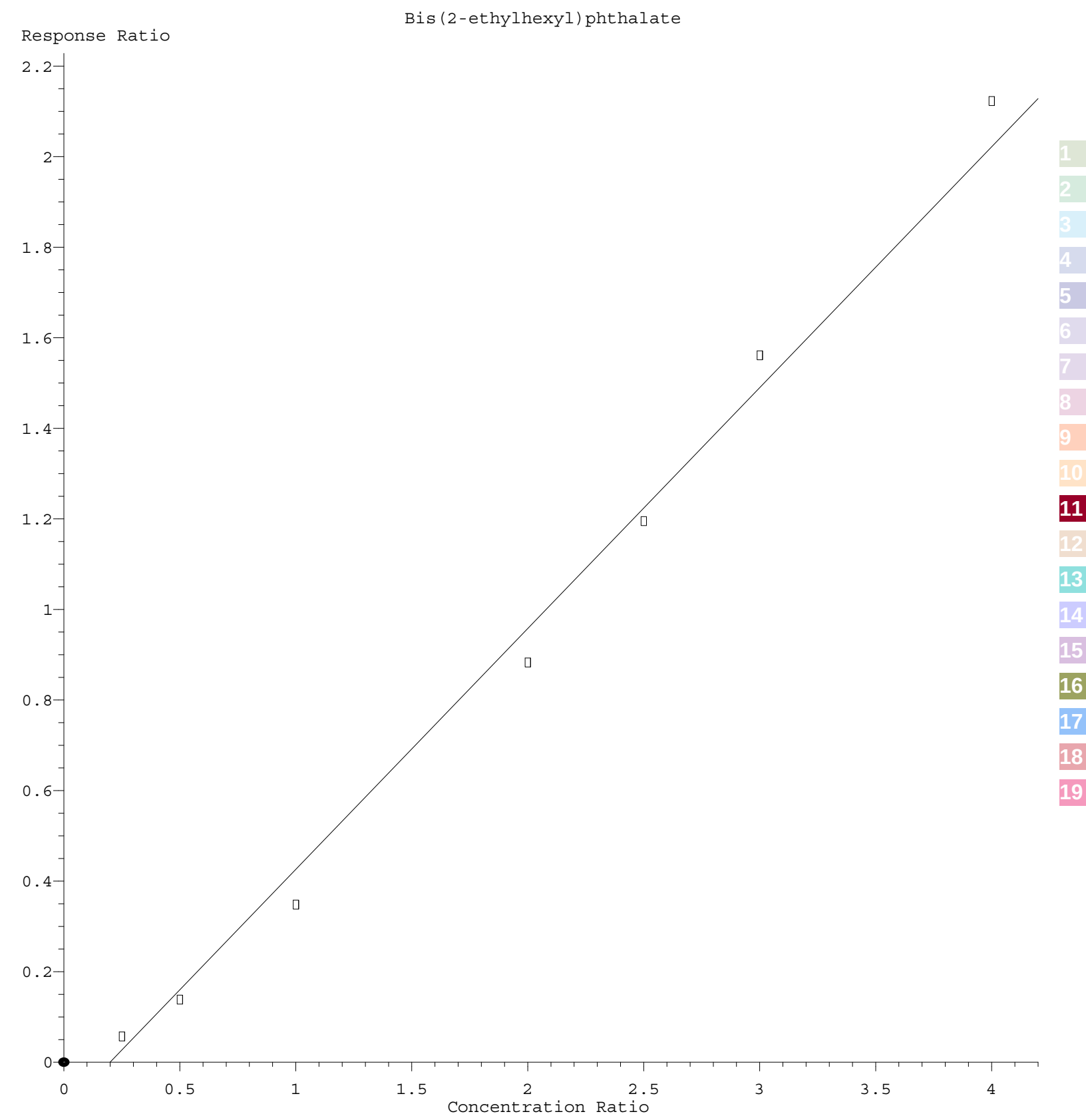
Response = 9.534e-002 * Amt - 3.461e-002
Coef of Det (r^2) = 0.992769 Curve Fit: wlr(1/a)
Method: Q:\8270-SVOC-TCL BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



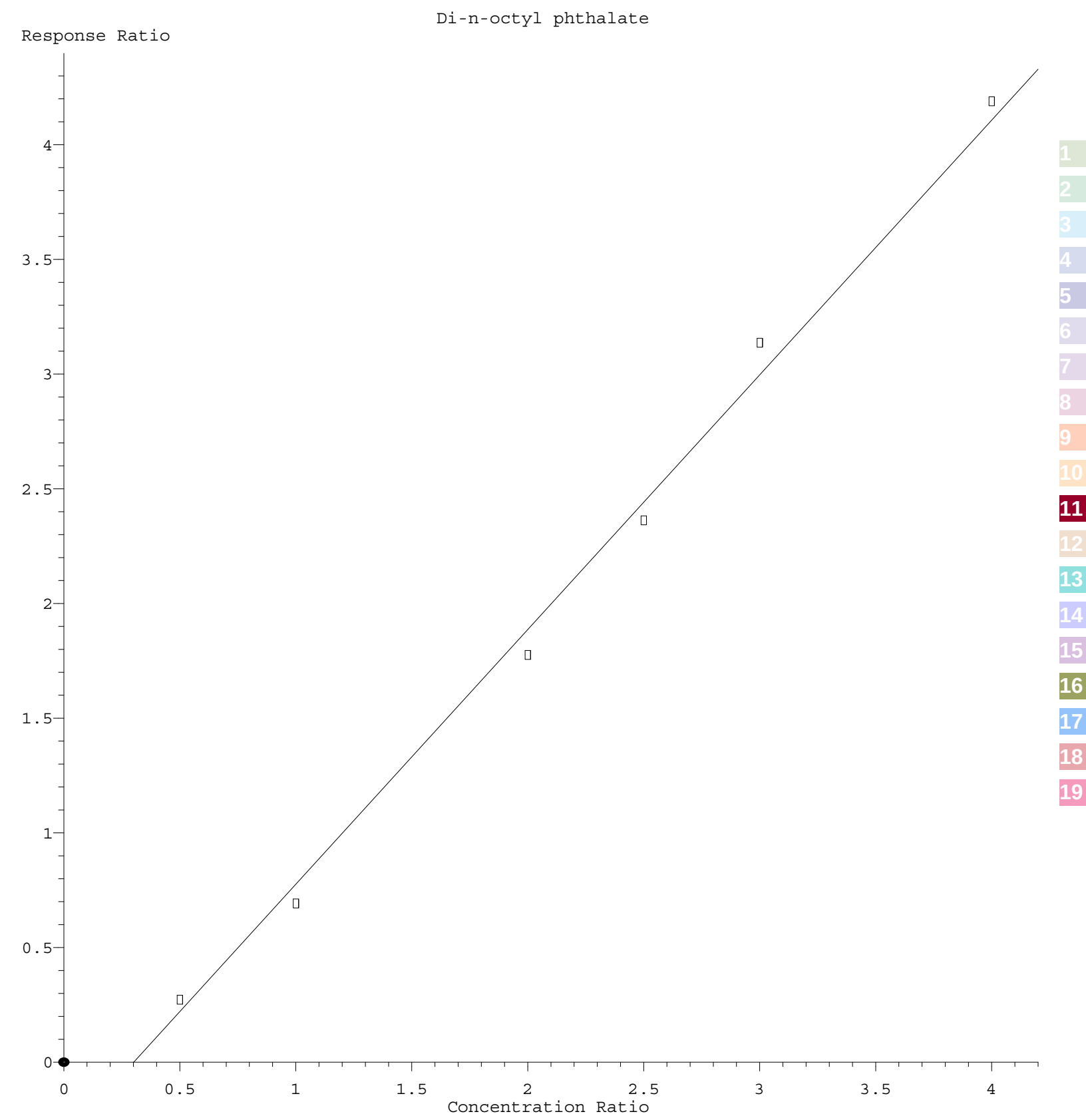
Response = 1.303e-001 * Amt - 3.859e-002
Coef of Det (r^2) = 0.999061 Curve Fit: wlr(1/a)
Method: Q282O-SVOC-TCL BNA-20 v \HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 3.564e-001 * Amt - 5.972e-002
Coef of Det (r^2) = 0.994780 Curve Fit: wlr(1/a)
Method: C:\HPCHEM\1\METHODS\Q2820NSVOC-TCL_BNA-20v\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 5.319e-001 * Amt - 1.061e-001
Coef of Det (r^2) = 0.991563 Curve Fit: wlr(1/a)
Method: Q:\820-SVOC-TCL BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 1.110e+000 * Amt - 3.345e-001
Coef of Det (r^2) = 0.995260 Curve Fit: wlr(1/a)
Method: Q:\820NSVOC-TCL\BNA-20\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

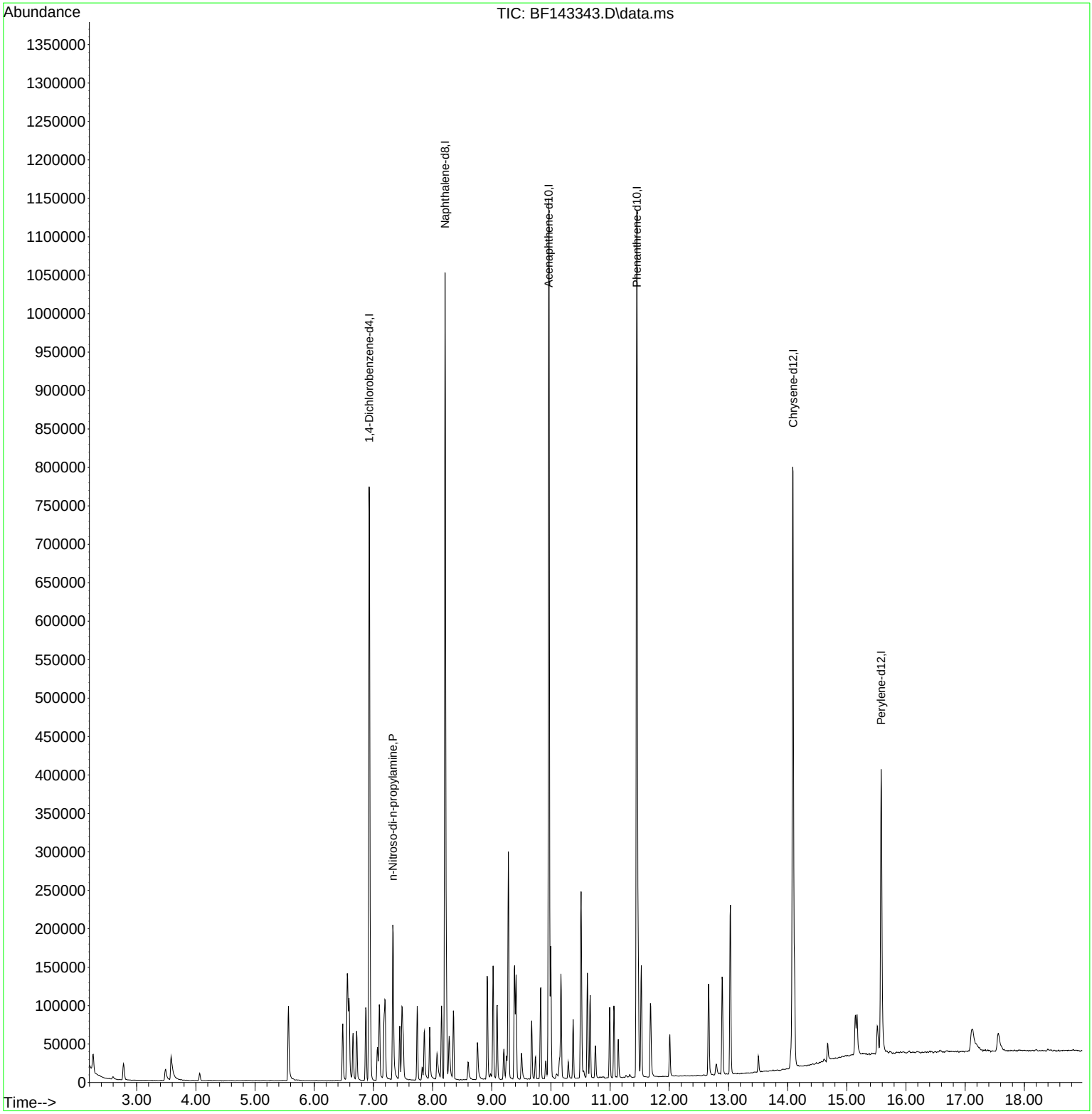
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162273	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	638032	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	346209	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	555179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	375834	20.000	ng	0.00
86) Perylene-d12	15.580	264	241869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	19396	2.609	ng	94

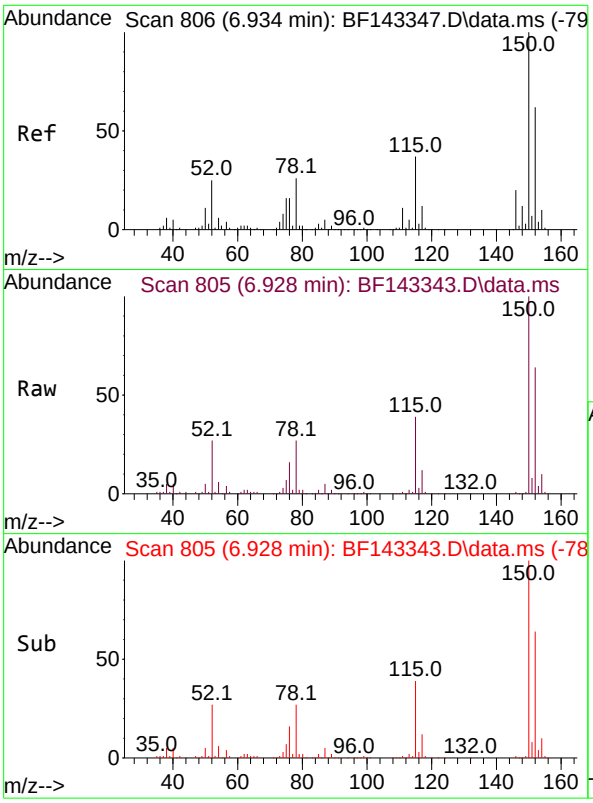
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



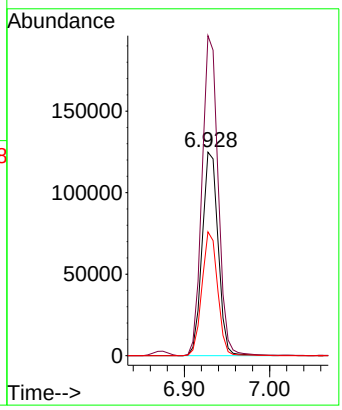


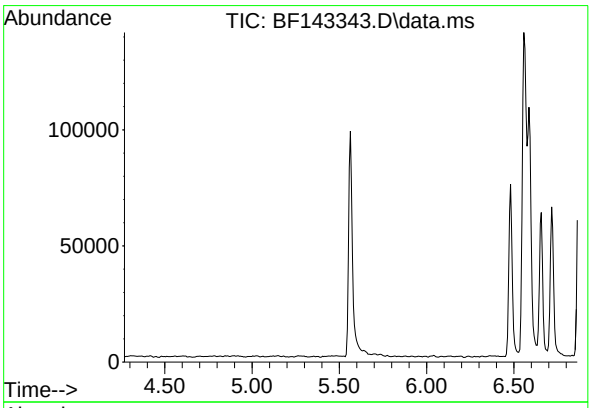
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 162273

Ion	Ratio	Lower	Upper
152	100		
150	157.2	129.8	194.8
115	60.9	47.8	71.8



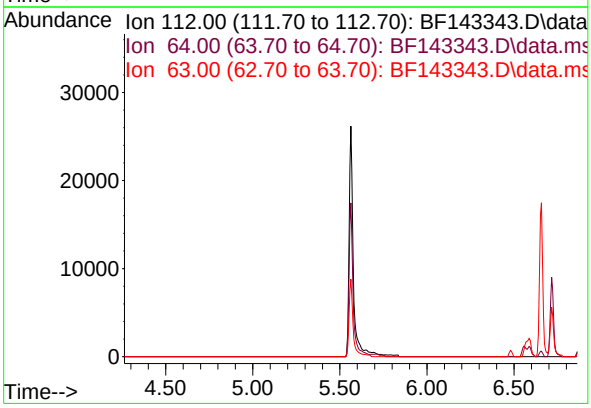


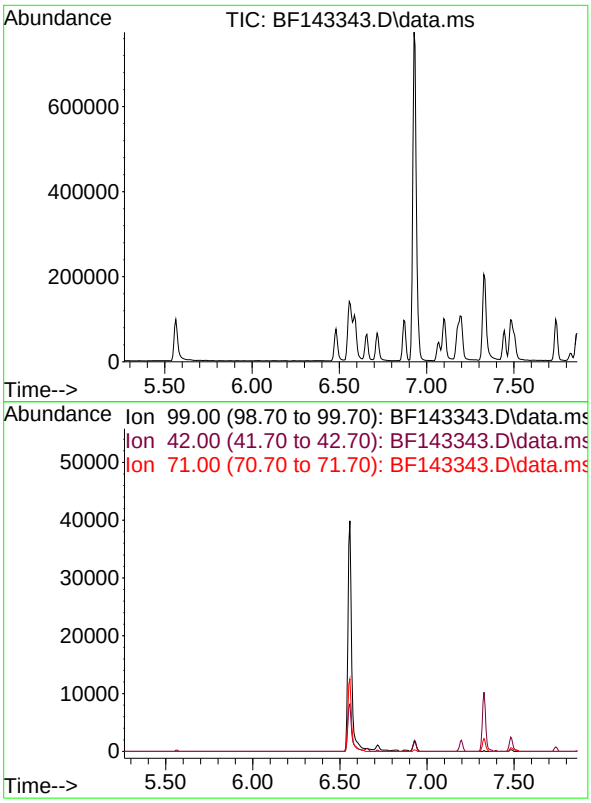
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	65.1
63	33.2





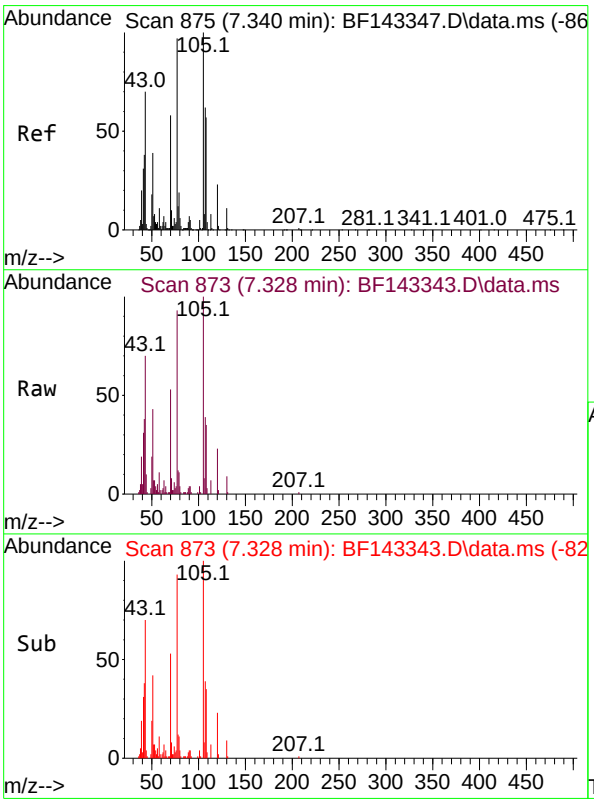
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.56 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

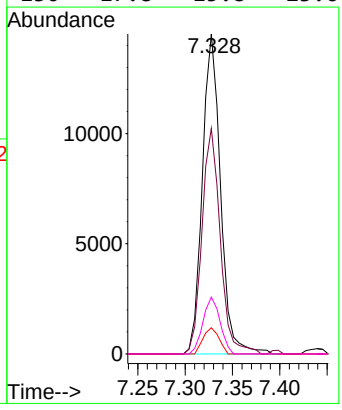
Sig	Exp Ratio
99	100
42	20.8
71	32.7

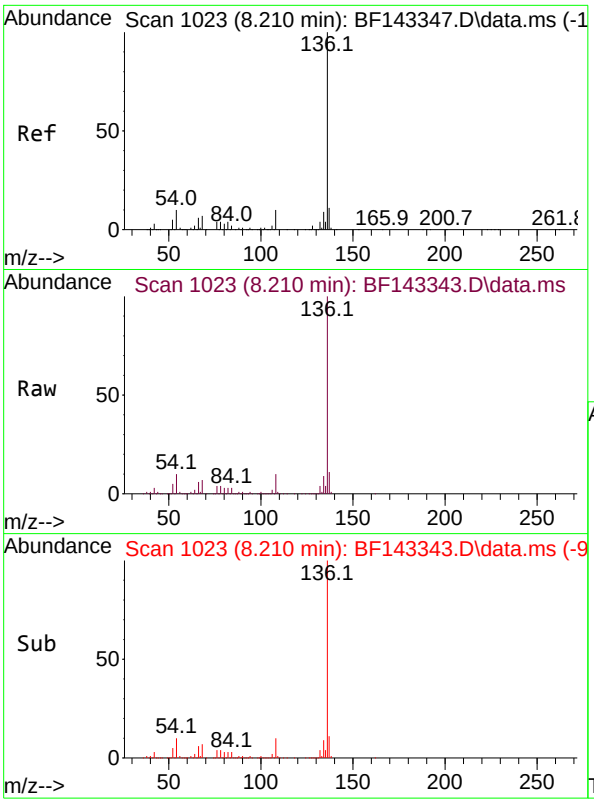


#19
n-Nitroso-di-n-propylamine
Concen: 2.609 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 70 Resp: 19396

Ion	Ratio	Lower	Upper
70	100		
42	70.5	51.6	77.4
101	8.2	7.5	11.3
130	17.8	15.8	23.6



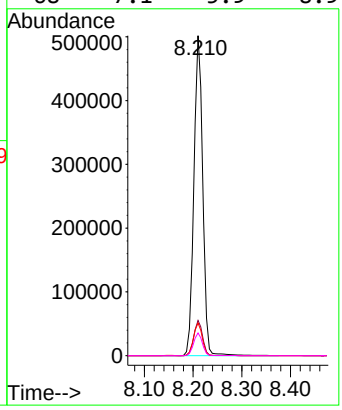


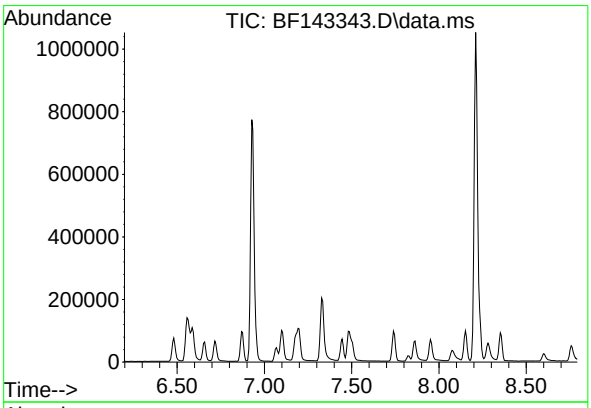
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 638032

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.4	12.6
68	7.1	5.9	8.9



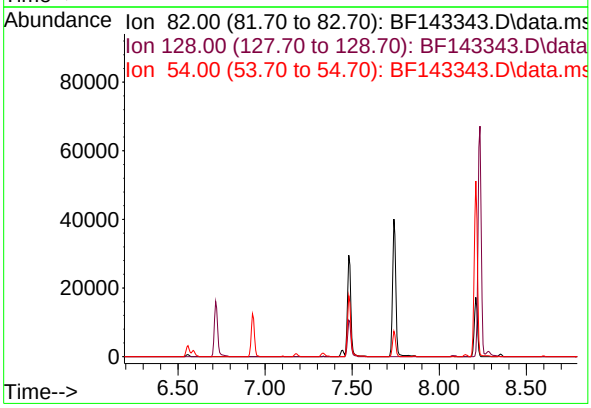


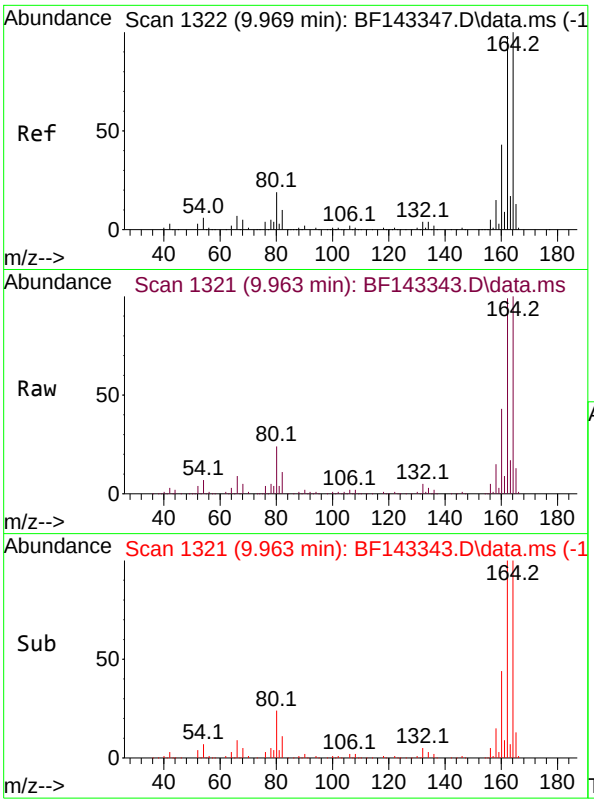
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.49 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.9
54	58.4



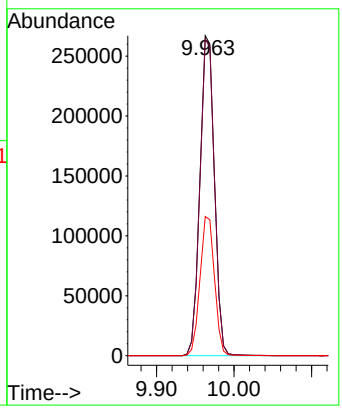


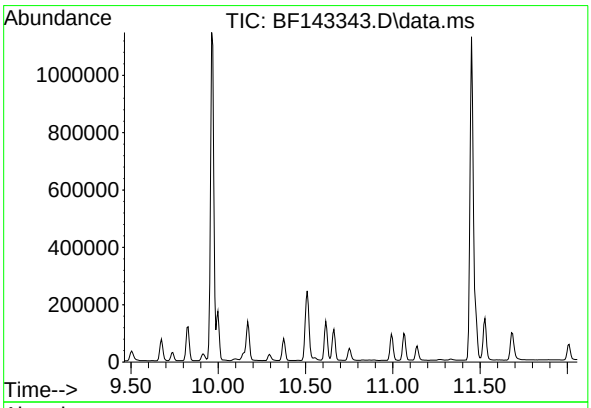
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 346209

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.6	118.0
160	43.5	34.4	51.6



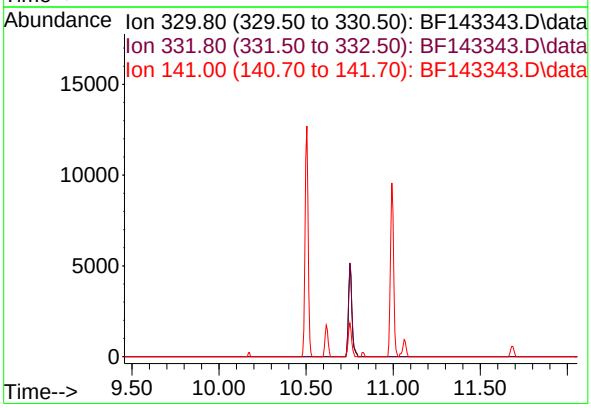


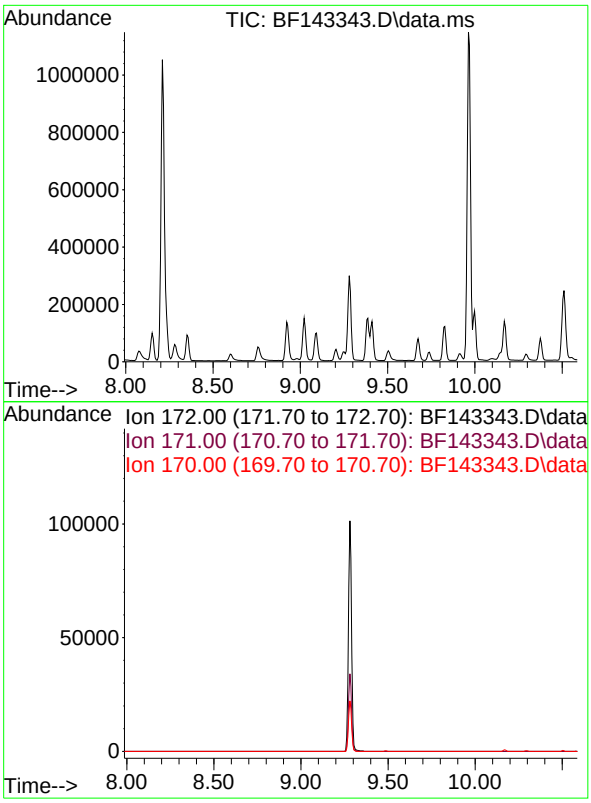
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.76 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.6
141	31.7





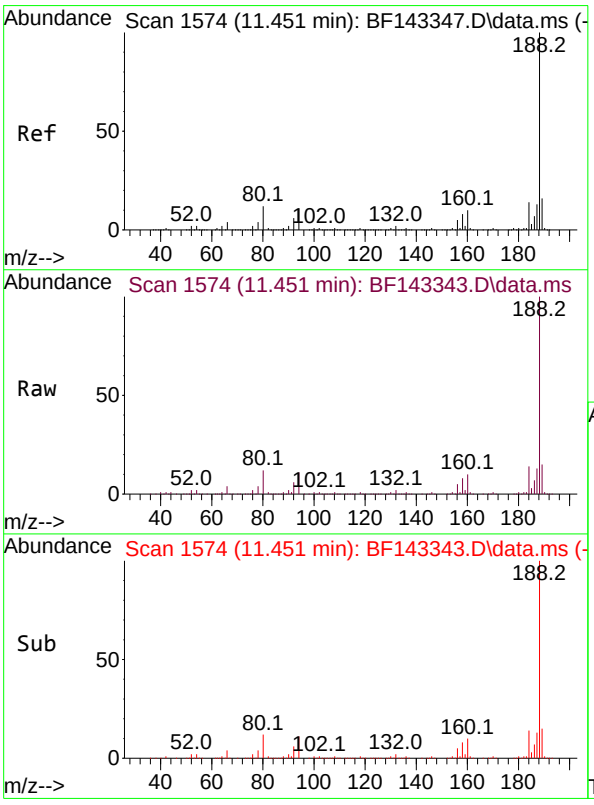
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.29 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

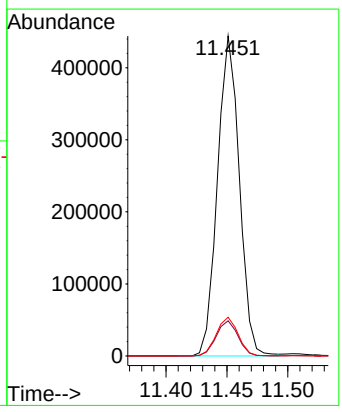
Sig	Exp Ratio
172	100
171	35.5
170	23.9

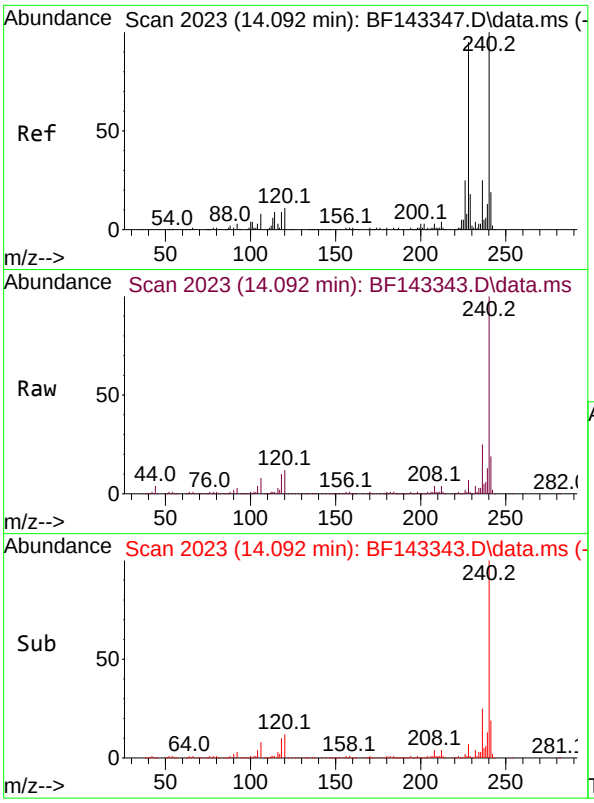


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion:188 Resp: 555179

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.1	9.7	14.5



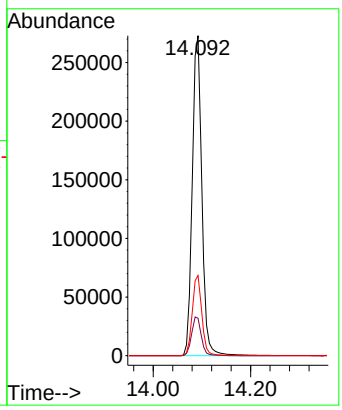


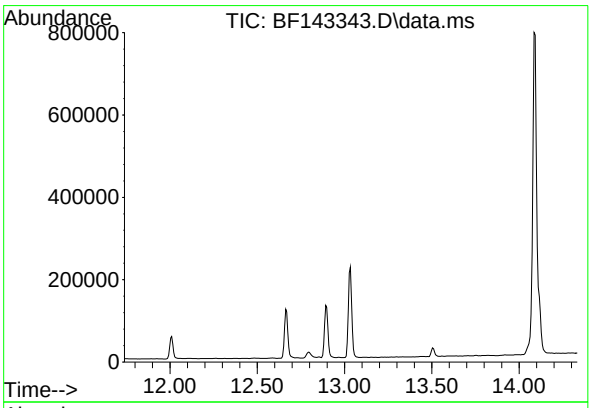
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 375834

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.1	19.9	29.9



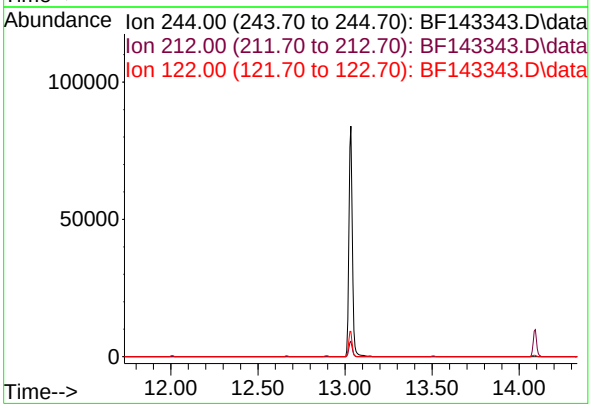


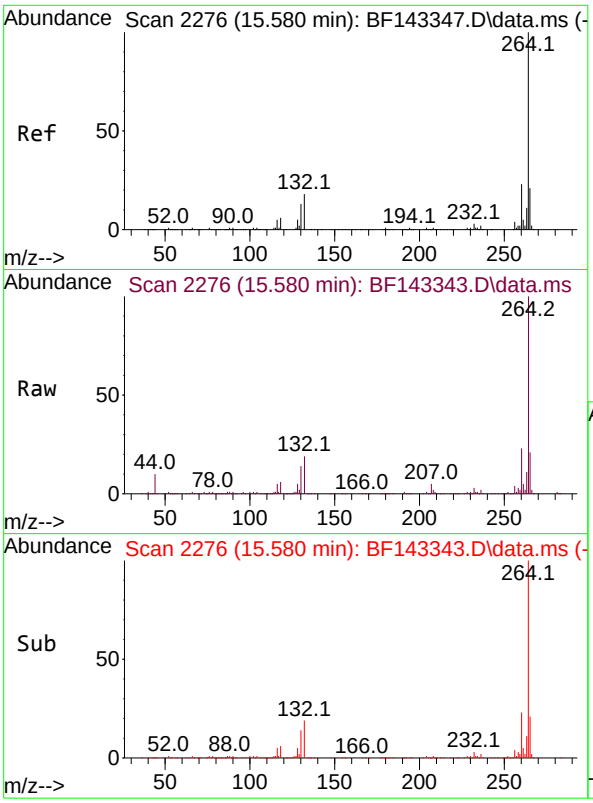
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.4
122	11.1



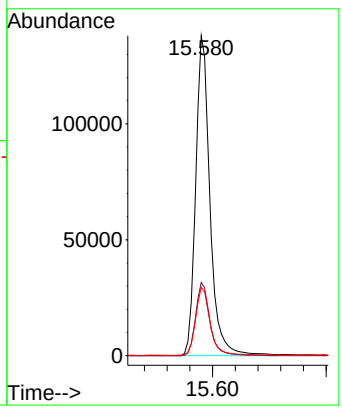


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 241869

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.3	17.2	25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	162290	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	628268	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	344999	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	557349	20.000	ng		0.00
76) Chrysene-d12	14.086	240	344394	20.000	ng		0.00
86) Perylene-d12	15.580	264	252587	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	93734	9.988	ng		0.00
7) Phenol-d6	6.551	99	123886	10.294	ng		-0.01
23) Nitrobenzene-d5	7.481	82	87105	8.634	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	18107	7.182	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	249109	12.244	ng		0.00
79) Terphenyl-d14	13.027	244	230289	11.938	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.775	88	24600	5.066	ng		96
3) Pyridine	3.563	79	59883	4.627	ng		98
6) Aniline	6.587	93	87728	5.171	ng		99
8) 2-Chlorophenol	6.716	128	47366	4.723	ng		97
10) Phenol	6.569	94	73959	5.187	ng		95
11) bis(2-Chloroethyl)ether	6.657	93	55039	5.238	ng		98
12) 1,3-Dichlorobenzene	6.869	146	62932	5.441	ng		98
13) 1,4-Dichlorobenzene	6.945	146	63946	5.508	ng		98
14) 1,2-Dichlorobenzene	7.098	146	60298	5.472	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	102291	5.453	ng		97
17) 2-Methylphenol	7.175	107	41246	4.873	ng		97
18) Hexachloroethane	7.445	117	17263	4.743	ng		96
19) n-Nitroso-di-n-propyla...	7.328	70	40228	5.410	ng		98
22) Acetophenone	7.328	105	78486	5.670	ng	#	97
24) Nitrobenzene	7.498	77	50634	4.621	ng		96
25) Isophorone	7.739	82	108673	5.276	ng		97
26) 2-Nitrophenol	7.822	139	10813	5.918	ng		95
27) 2,4-Dimethylphenol	7.857	122	40753	4.743	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	66594	5.296	ng		98
29) 2,4-Dichlorophenol	8.069	162	38135	4.544	ng		97
30) 1,2,4-Trichlorobenzene	8.151	180	46949	5.303	ng		98
31) Naphthalene	8.233	128	170051	5.625	ng		99
33) 4-Chloroaniline	8.281	127	56886	5.217	ng		99
34) Hexachlorobutadiene	8.351	225	29122	5.288	ng		99
36) 4-Chloro-3-methylphenol	8.757	107	42384	4.817	ng		99
37) 2-Methylnaphthalene	8.922	142	113134	5.692	ng		99
38) 1-Methylnaphthalene	9.022	142	108359	5.661	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	50724	5.373	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	20838	3.890	ng		98
44) 2,4,5-Trichlorophenol	9.245	196	26517	4.384	ng		99
46) 1,1'-Biphenyl	9.380	154	139115	5.703	ng		100
47) 2-Chloronaphthalene	9.410	162	104874	5.459	ng		97
48) 2-Nitroaniline	9.498	65	16200	5.521	ng		89
49) Acenaphthylene	9.822	152	151682	5.467	ng		99
50) Dimethylphthalate	9.675	163	100034	4.962	ng		100
51) 2,6-Dinitrotoluene	9.739	165	10751	5.607	ng		89

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

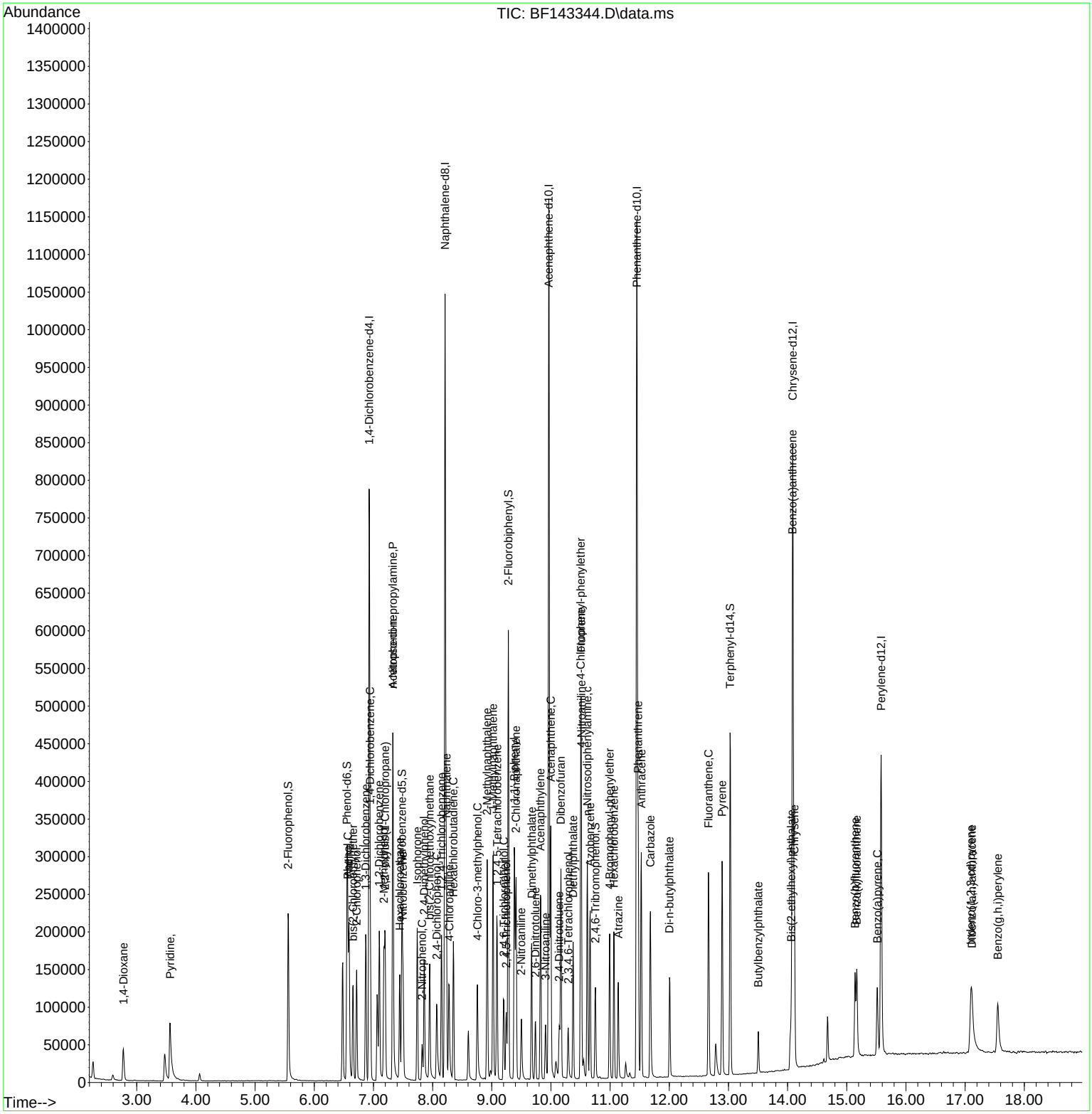
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.998	154	104223	5.651	ng		99
53) 3-Nitroaniline	9.910	138	13704	3.319	ng	#	85
55) Dibenzofuran	10.169	168	151524	5.708	ng		99
57) 2,4-Dinitrotoluene	10.139	165	13285	5.473	ng	#	85
58) Fluorene	10.510	166	119124	5.875	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	14793	3.628	ng	#	98
60) Diethylphthalate	10.375	149	87234	4.831	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	55620	5.677	ng		99
62) 4-Nitroaniline	10.516	138	15026	3.762	ng		95
63) Azobenzene	10.663	77	112299	5.445	ng		99
66) n-Nitrosodiphenylamine	10.616	169	96579	5.263	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	32274	5.063	ng		98
68) Hexachlorobenzene	11.063	284	35913	5.227	ng		96
69) Atrazine	11.139	200	20457	4.274	ng		100
71) Phenanthrene	11.474	178	169159	5.563	ng		99
72) Anthracene	11.527	178	170698	5.535	ng		98
73) Carbazole	11.680	167	146129	5.564	ng		99
74) Di-n-butylphthalate	12.004	149	93961	4.228	ng		99
75) Fluoranthene	12.663	202	156101	5.860	ng		99
78) Pyrene	12.892	202	165633	5.733	ng		98
80) Butylbenzylphthalate	13.504	149	15374	5.856	ng		99
81) Benzo(a)anthracene	14.080	228	114909	5.250	ng		98
83) Chrysene	14.115	228	109349	5.357	ng		98
84) Bis(2-ethylhexyl)phtha...	14.063	149	19633	6.133	ng		97
87) Indeno(1,2,3-cd)pyrene	17.098	276	88484	4.890	ng		98
88) Benzo(b)fluoranthene	15.139	252	74031	5.359	ng		98
89) Benzo(k)fluoranthene	15.168	252	67207	5.006	ng		99
90) Benzo(a)pyrene	15.515	252	66211	5.089	ng		98
91) Dibenzo(a,h)anthracene	17.115	278	71319	4.933	ng		98
92) Benzo(g,h,i)perylene	17.551	276	69991	4.806	ng	#	93

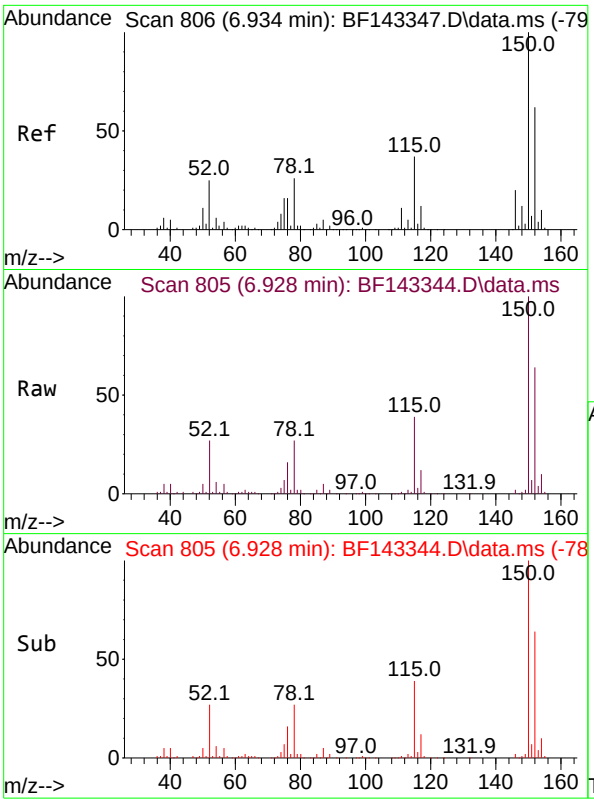
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



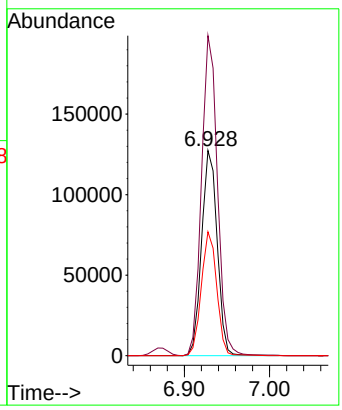


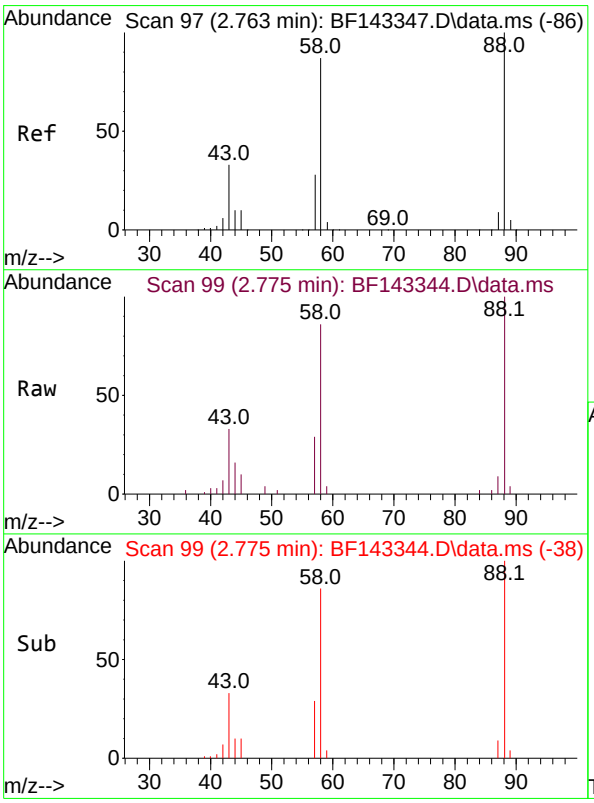
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 162290

Ion	Ratio	Lower	Upper
152	100		
150	156.0	129.8	194.8
115	60.3	47.8	71.8

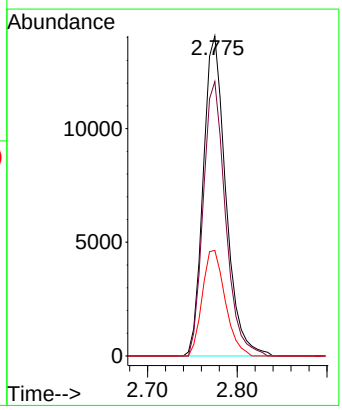


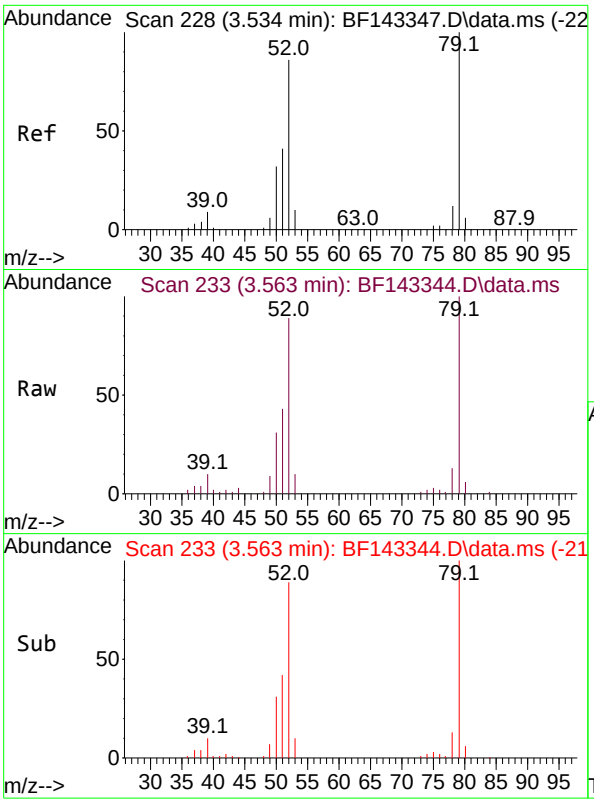


#2
1,4-Dioxane
Concen: 5.066 ng
RT: 2.775 min Scan# 99
Delta R.T. 0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 88 Resp: 24600

Ion	Ratio	Lower	Upper
88	100		
58	84.4	71.0	106.6
43	33.4	27.0	40.6



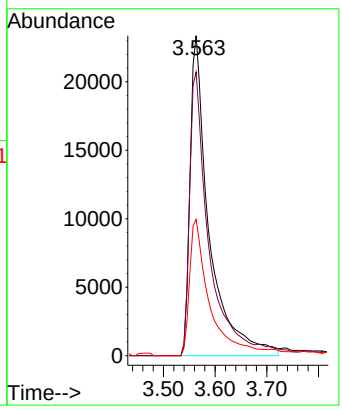


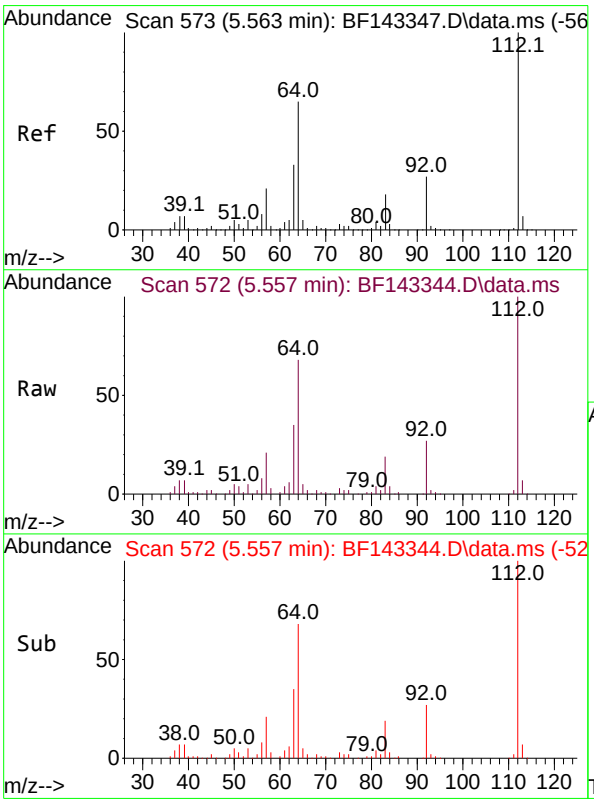
#3
Pyridine
Concen: 4.627 ng
RT: 3.563 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 59883

Ion	Ratio	Lower	Upper
79	100		
52	88.6	68.7	103.1
51	42.6	33.4	50.0

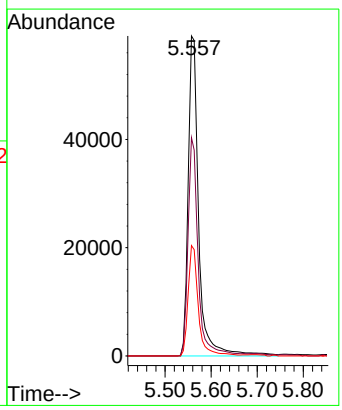


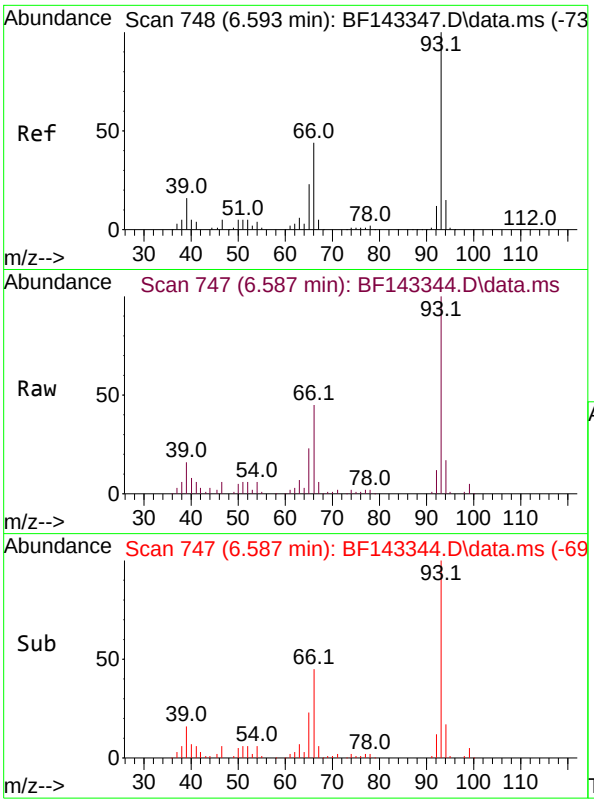


#5
2-Fluorophenol
Concen: 9.988 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:112 Resp: 93734

Ion	Ratio	Lower	Upper
112	100		
64	68.2	52.1	78.1
63	34.5	26.6	39.8



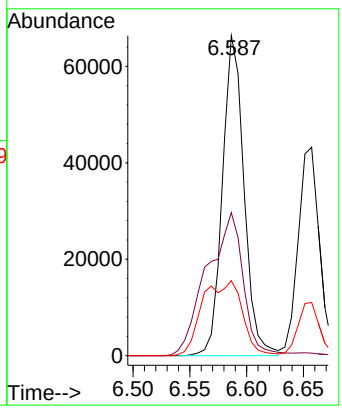


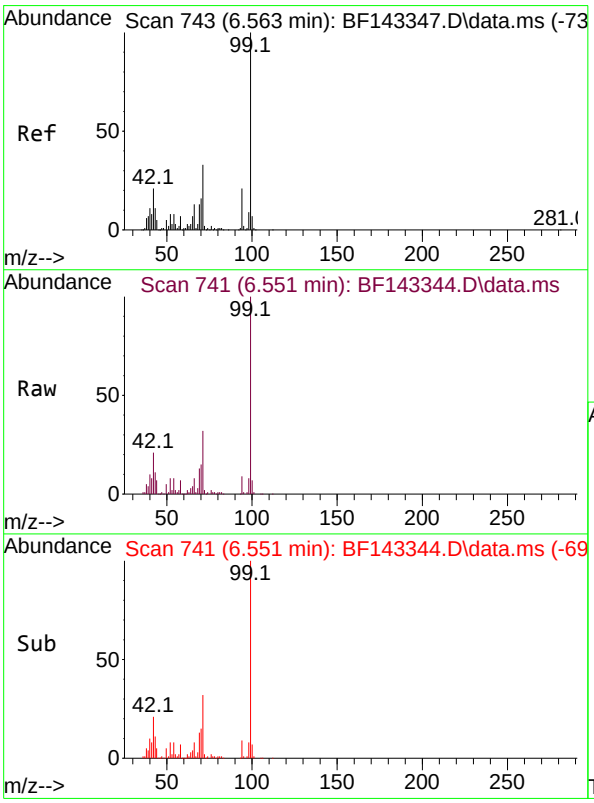
#6
Aniline
Concen: 5.171 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 87728

Ion	Ratio	Lower	Upper
93	100		
66	44.7	35.3	52.9
65	23.5	18.2	27.4

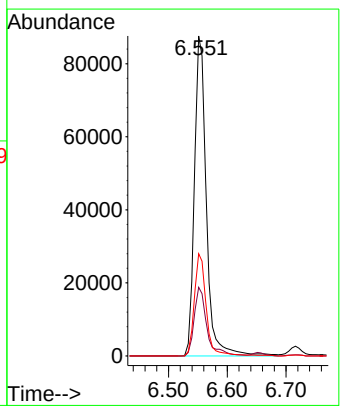


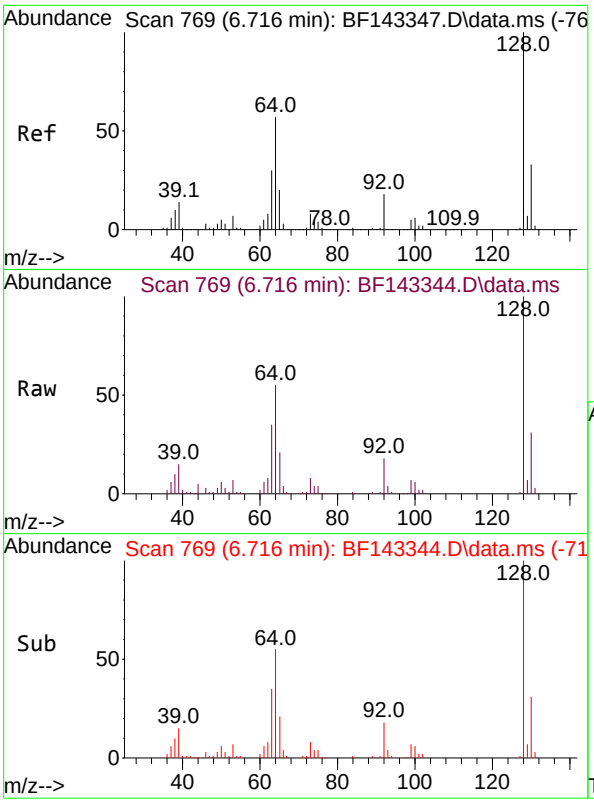


#7
Phenol-d6
Concen: 10.294 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 99 Resp: 123886

Ion	Ratio	Lower	Upper
99	100		
42	21.5	16.6	25.0
71	31.9	26.2	39.2



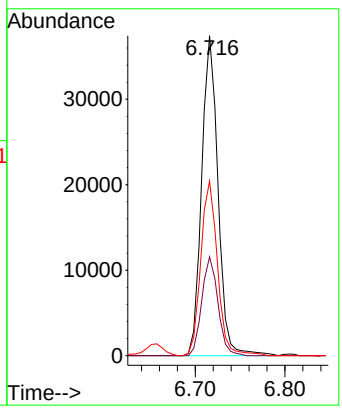


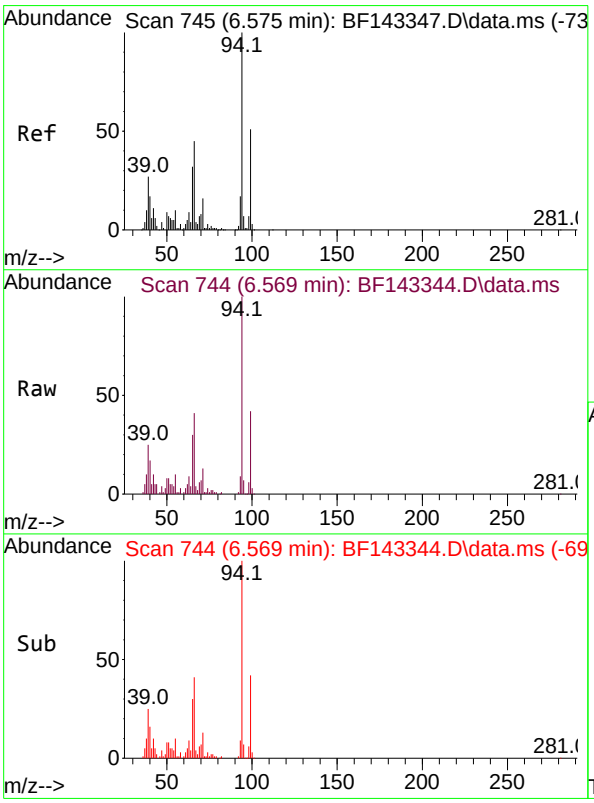
#8
2-Chlorophenol
Concen: 4.723 ng
RT: 6.716 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 47366

Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.6	52.6
64	54.6	36.7	76.7

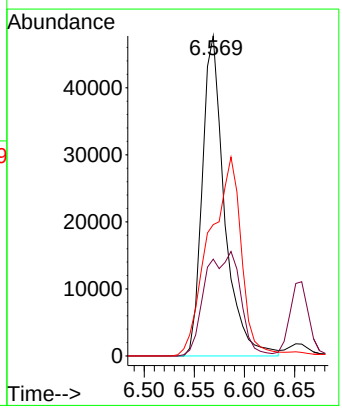


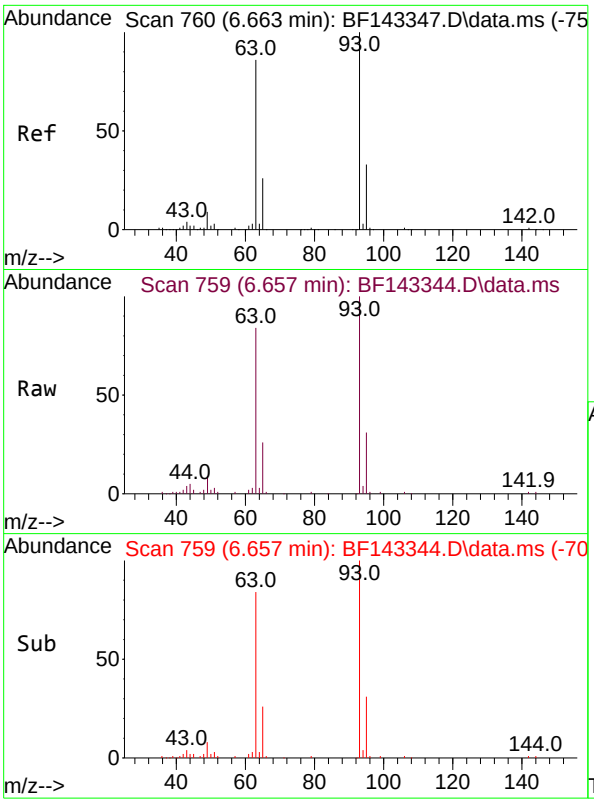


#10
Phenol
Concen: 5.187 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 94 Resp: 73959

Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	41.0	25.6	65.6



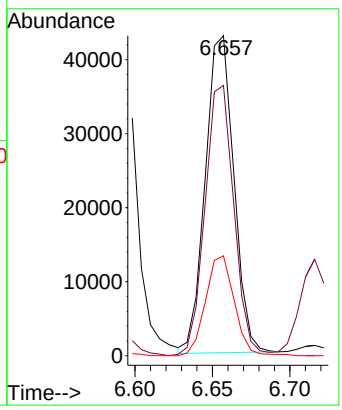


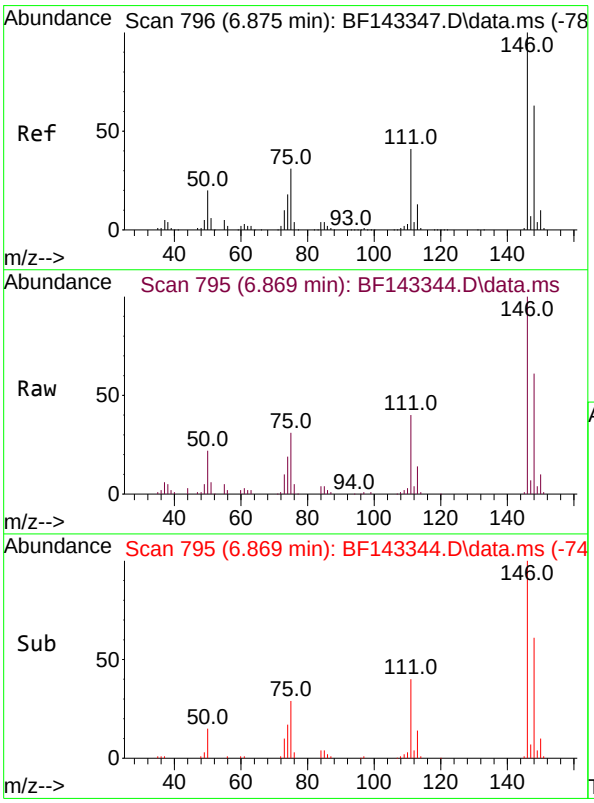
#11
bis(2-Chloroethyl)ether
Concen: 5.238 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 55039

Ion	Ratio	Lower	Upper
93	100		
63	84.4	65.7	105.7
95	31.2	13.0	53.0

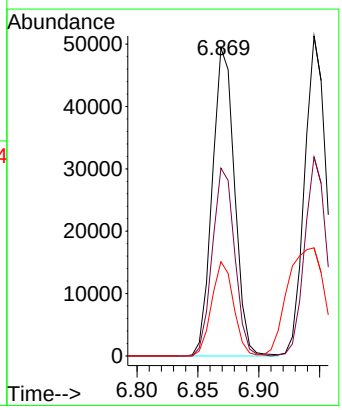


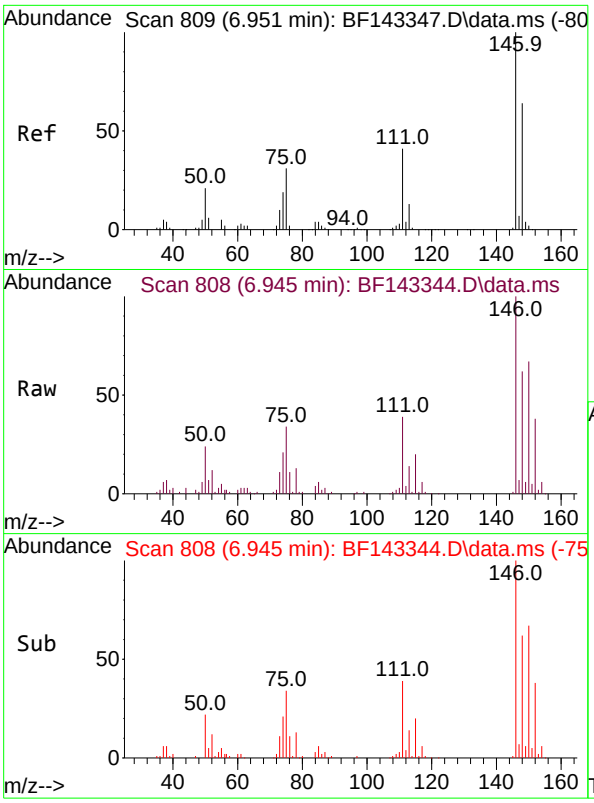


#12
1,3-Dichlorobenzene
Concen: 5.441 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:146 Resp: 62932

Ion	Ratio	Lower	Upper
146	100		
148	61.0	50.5	75.7
75	30.6	24.9	37.3



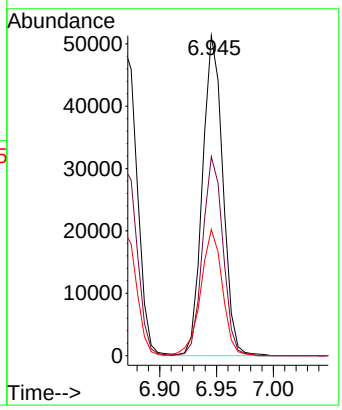


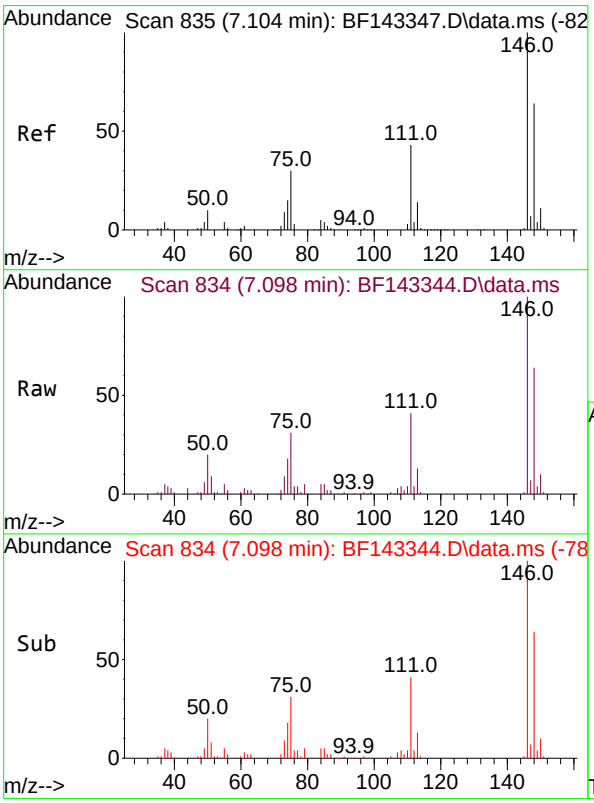
#13
1,4-Dichlorobenzene
Concen: 5.508 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 63946

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.4	77.0
111	39.5	32.6	48.8

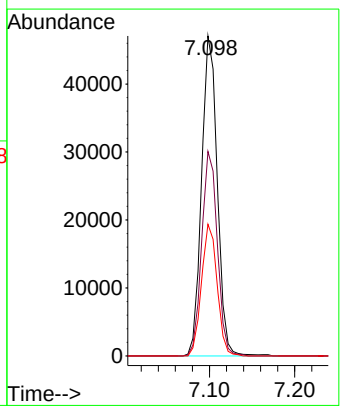


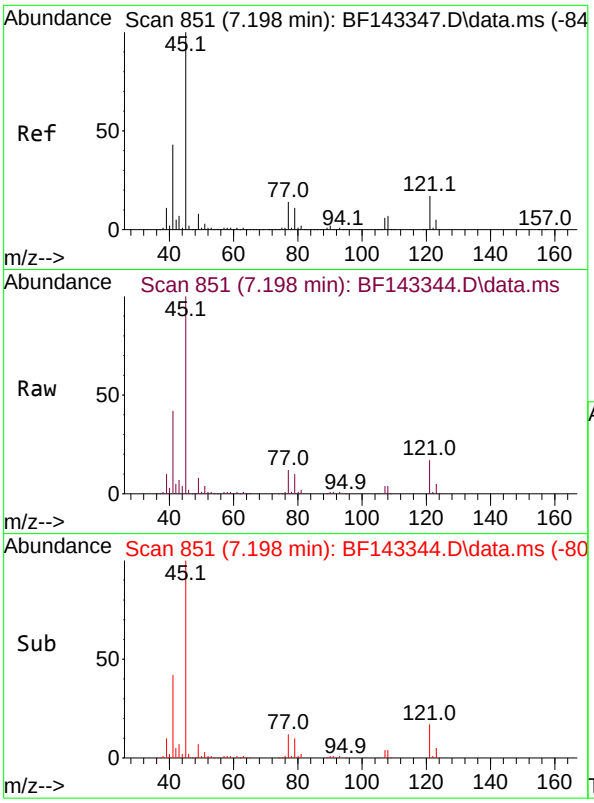


#14
1,2-Dichlorobenzene
Concen: 5.472 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:146 Resp: 60298

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	41.1	34.1	51.1



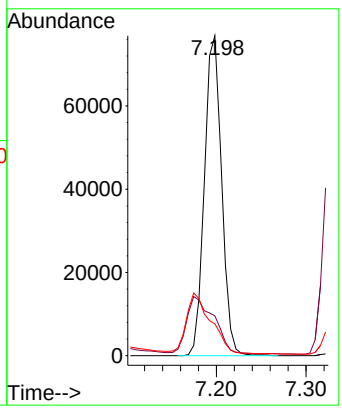


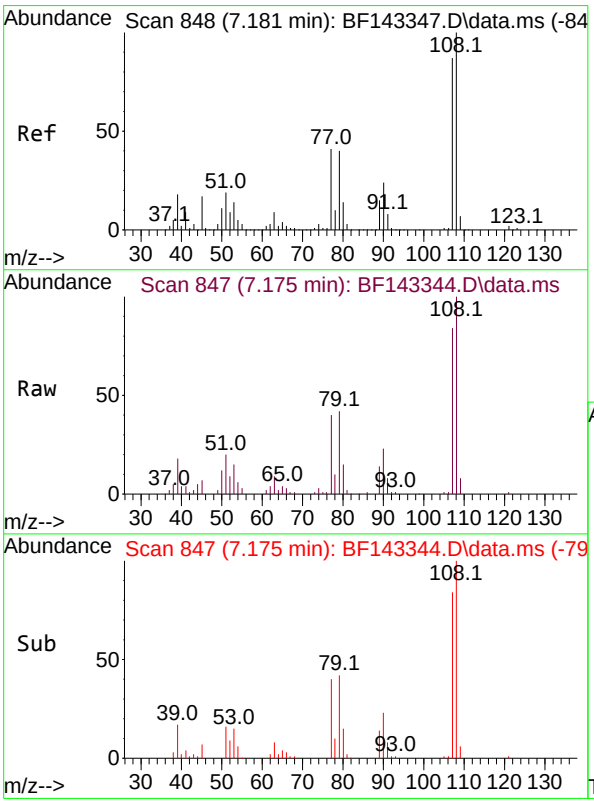
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.453 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 102291

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	34.0
79	10.0	0.0	31.1

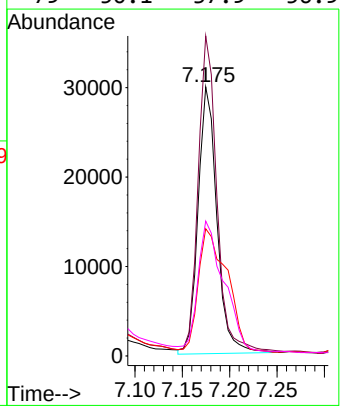


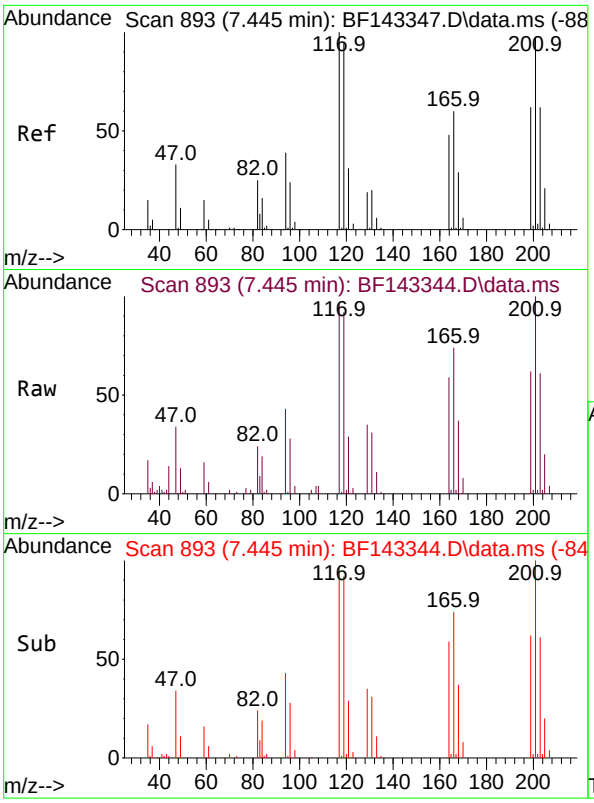


#17
2-Methylphenol
Concen: 4.873 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:107 Resp: 41246

Ion	Ratio	Lower	Upper
107	100		
108	118.9	92.0	138.0
77	47.3	38.2	57.2
79	50.1	37.9	56.9



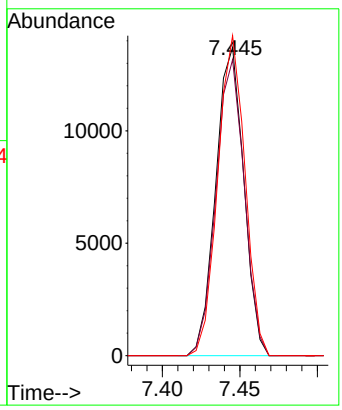


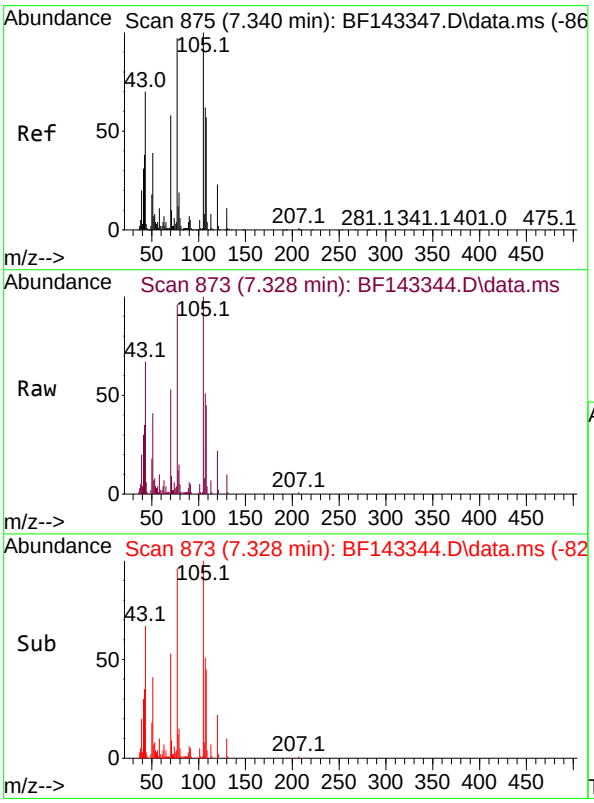
#18
Hexachloroethane
Concen: 4.743 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 17263

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
201	103.8	77.2	115.8

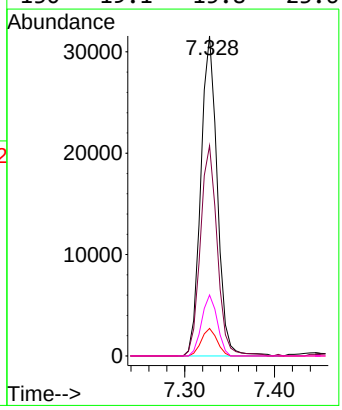


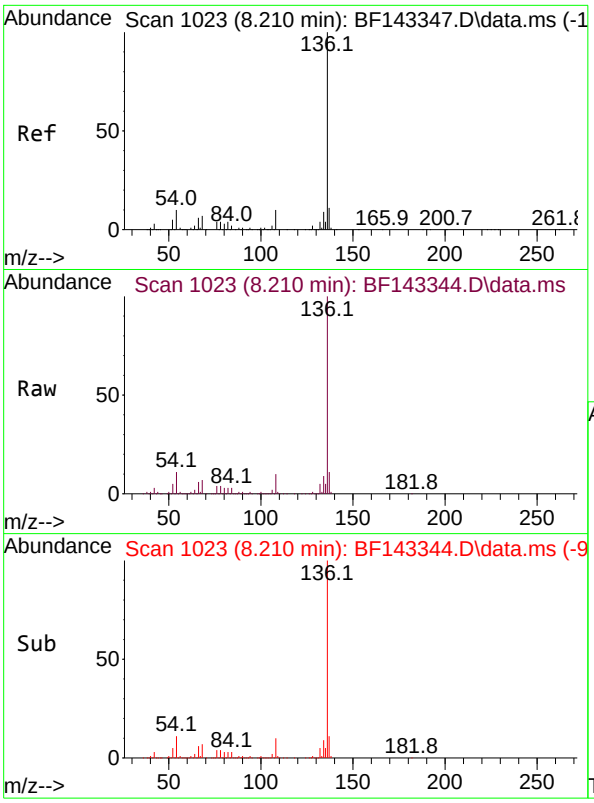


#19
n-Nitroso-di-n-propylamine
Concen: 5.410 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 70 Resp: 40228

Ion	Ratio	Lower	Upper
70	100		
42	65.7	51.6	77.4
101	8.6	7.5	11.3
130	19.1	15.8	23.6



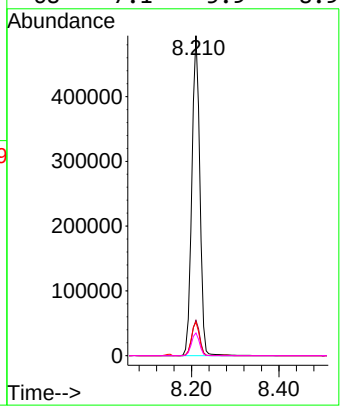


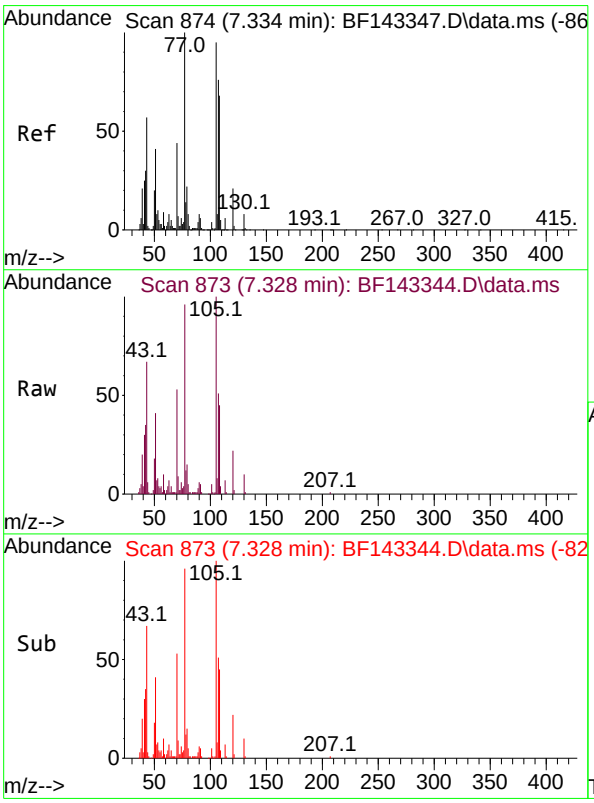
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 628268

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.5	8.4	12.6
68	7.1	5.9	8.9

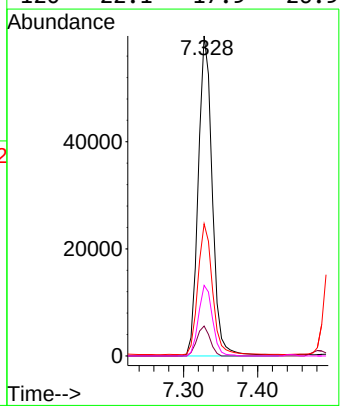


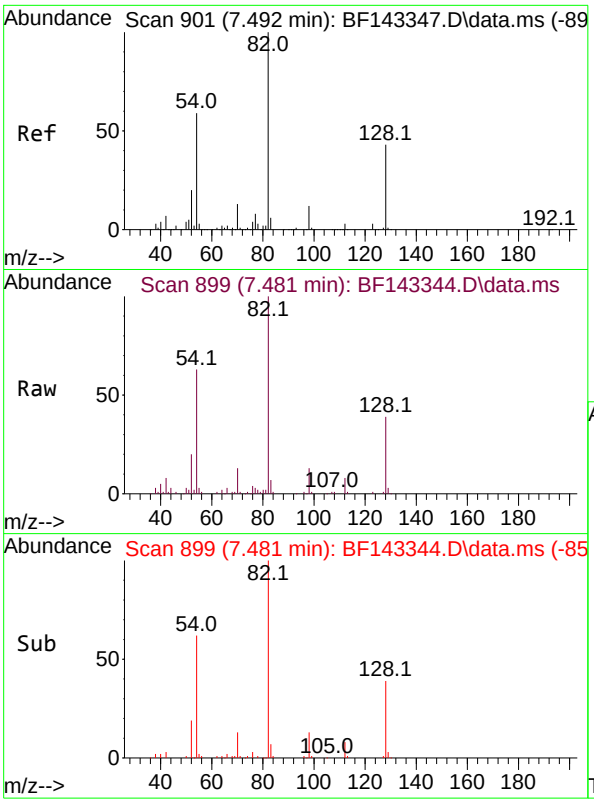


#22
Acetophenone
Concen: 5.670 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:105 Resp: 78486

Ion	Ratio	Lower	Upper
105	100		
71	9.4	6.2	9.4#
51	41.3	34.8	52.2
120	22.1	17.9	26.9



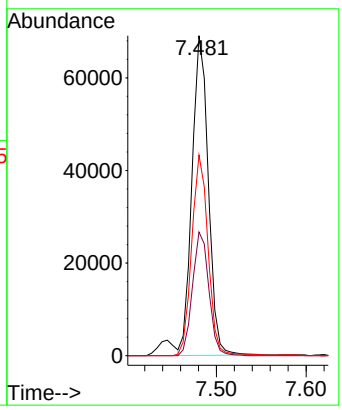


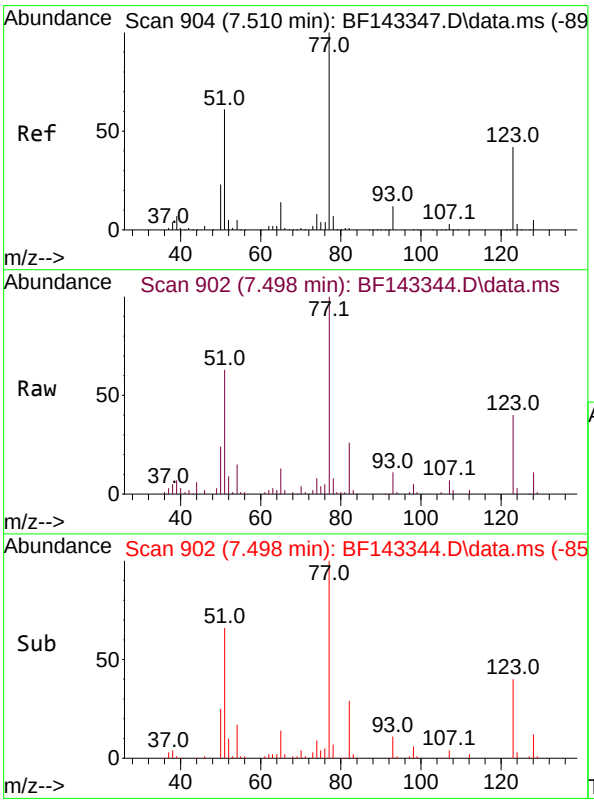
#23
Nitrobenzene-d5
Concen: 8.634 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 87105

Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.5	50.3
54	62.7	46.7	70.1

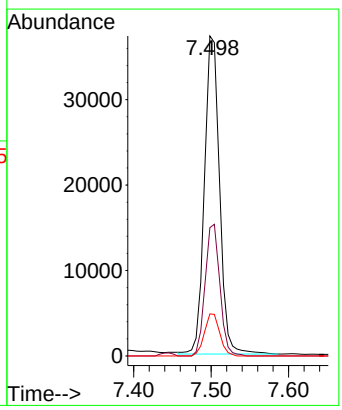


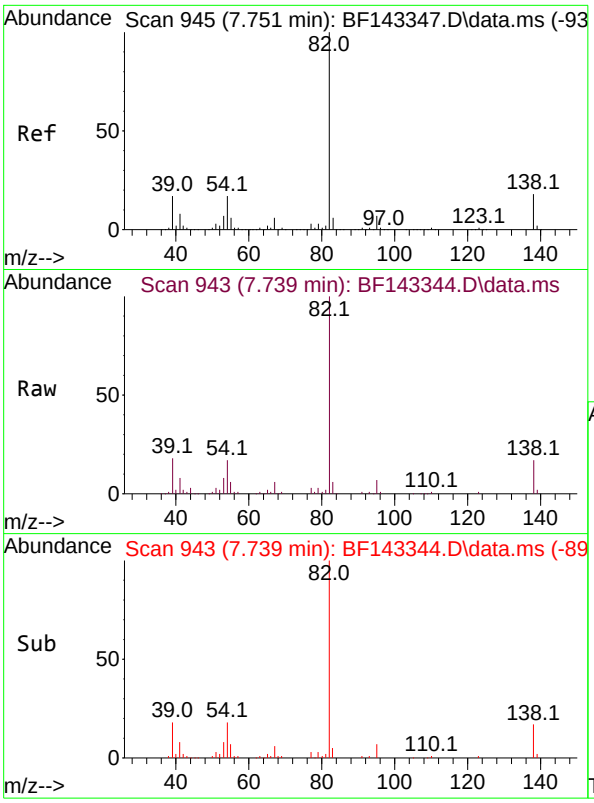


#24
Nitrobenzene
Concen: 4.621 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 50634

Ion	Ratio	Lower	Upper
77	100		
123	40.1	34.8	52.2
65	13.2	11.0	16.6



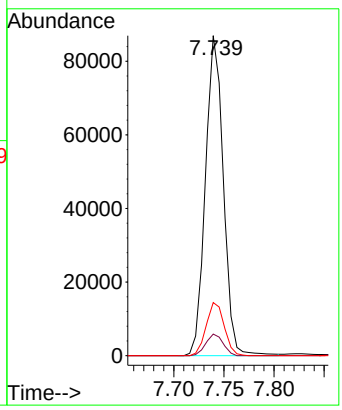


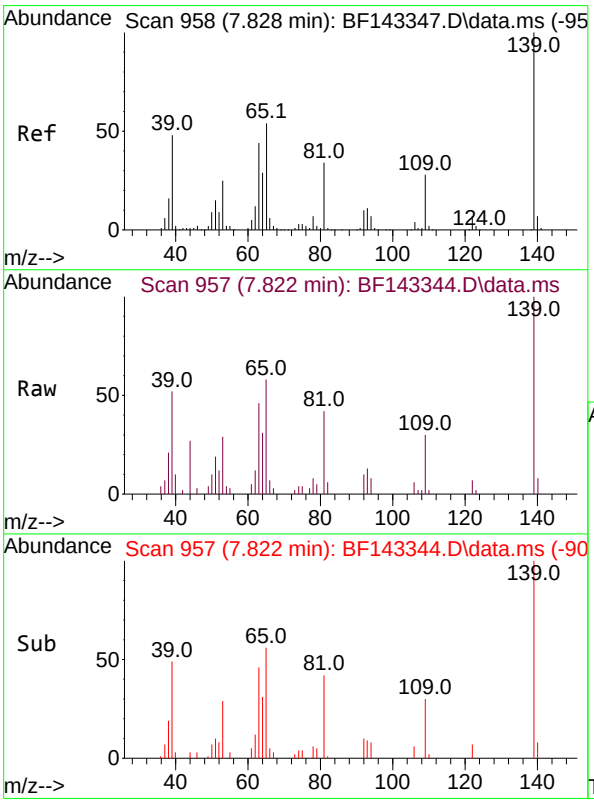
#25
Isophorone
Concen: 5.276 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 108673

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	16.6	14.6	21.8

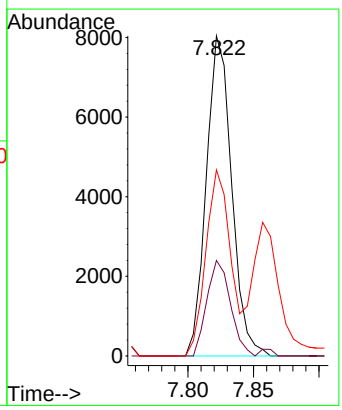


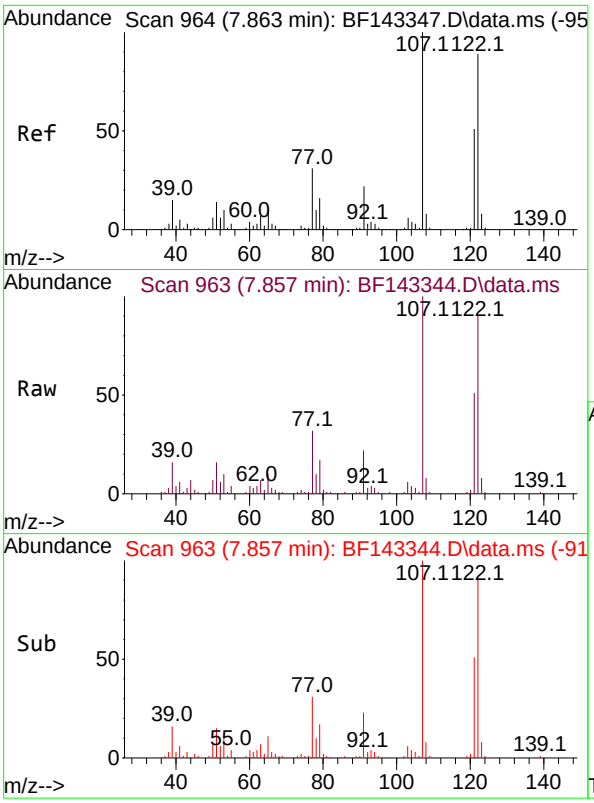


#26
2-Nitrophenol
Concen: 5.918 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:139 Resp: 10813

Ion	Ratio	Lower	Upper
139	100		
109	29.8	22.4	33.6
65	58.2	42.9	64.3



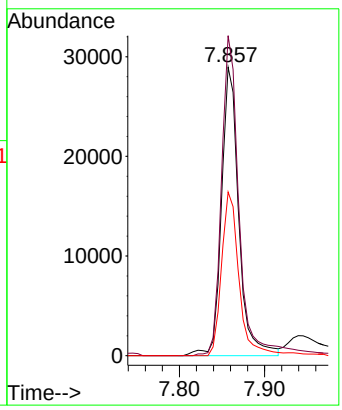


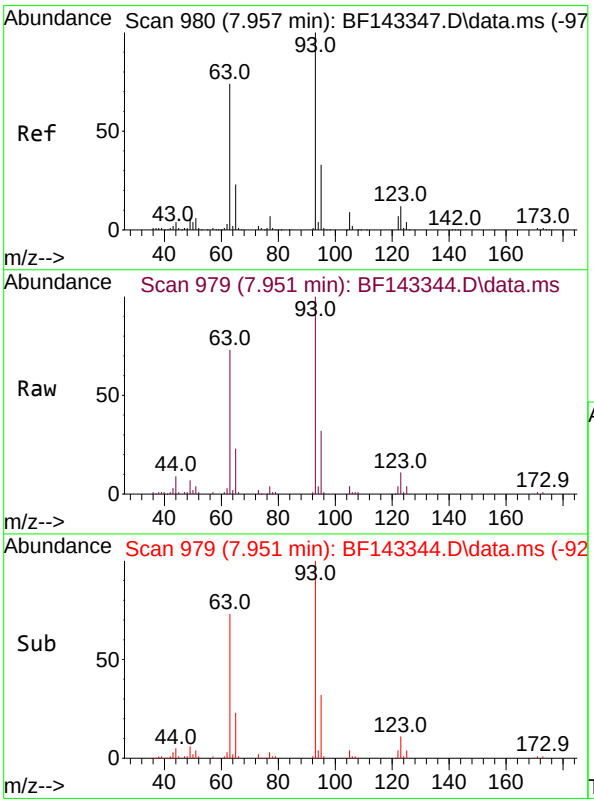
#27
2,4-Dimethylphenol
Concen: 4.743 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 40753

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.9	134.9
121	56.7	46.2	69.4

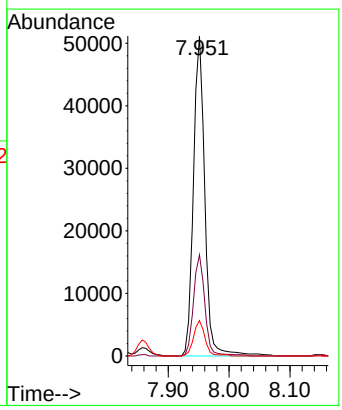


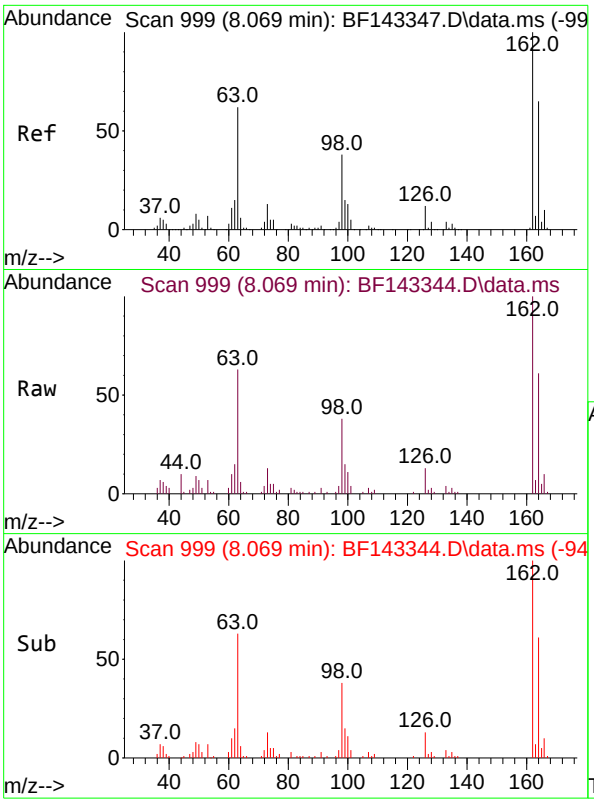


#28
bis(2-Chloroethoxy)methane
Concen: 5.296 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 93 Resp: 66594

Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.4
123	11.1	9.4	14.2



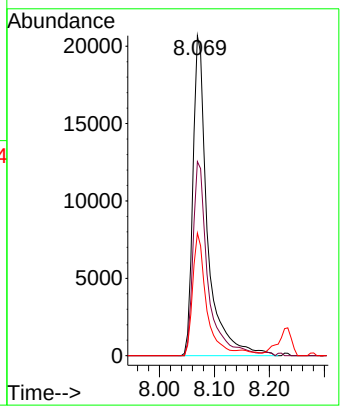


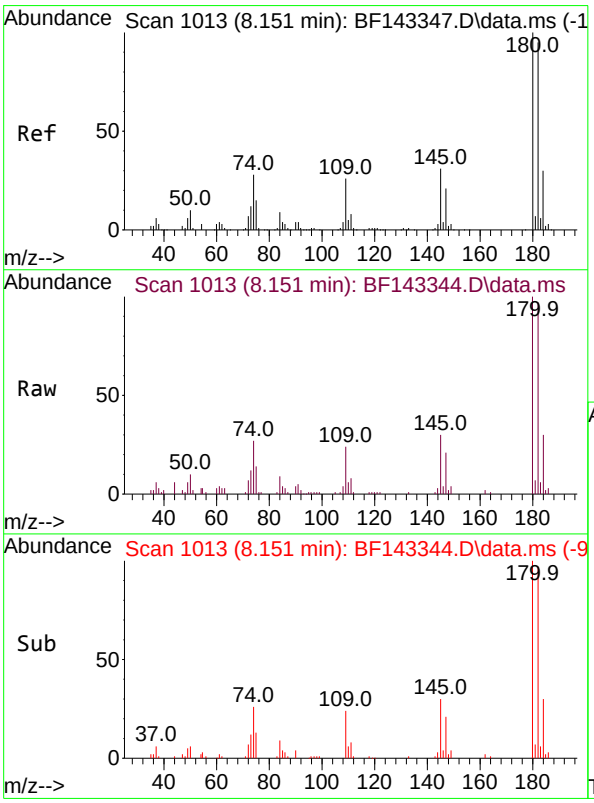
#29
2,4-Dichlorophenol
Concen: 4.544 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 38135

Ion	Ratio	Lower	Upper
162	100		
164	60.6	44.5	84.5
98	38.3	17.7	57.7

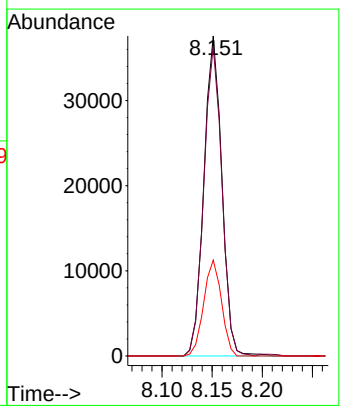


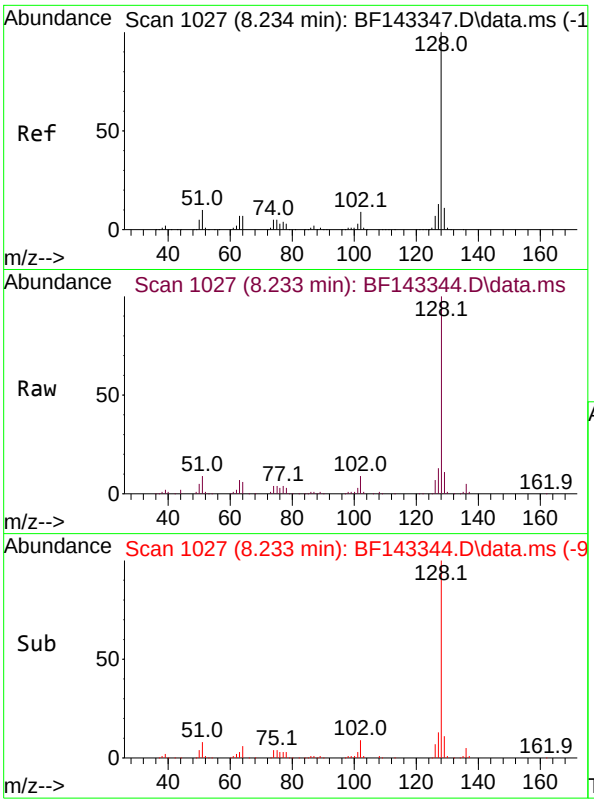


#30
1,2,4-Trichlorobenzene
Concen: 5.303 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:180 Resp: 46949

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.1	114.1
145	30.0	24.9	37.3



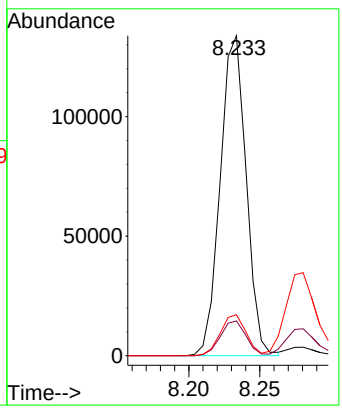


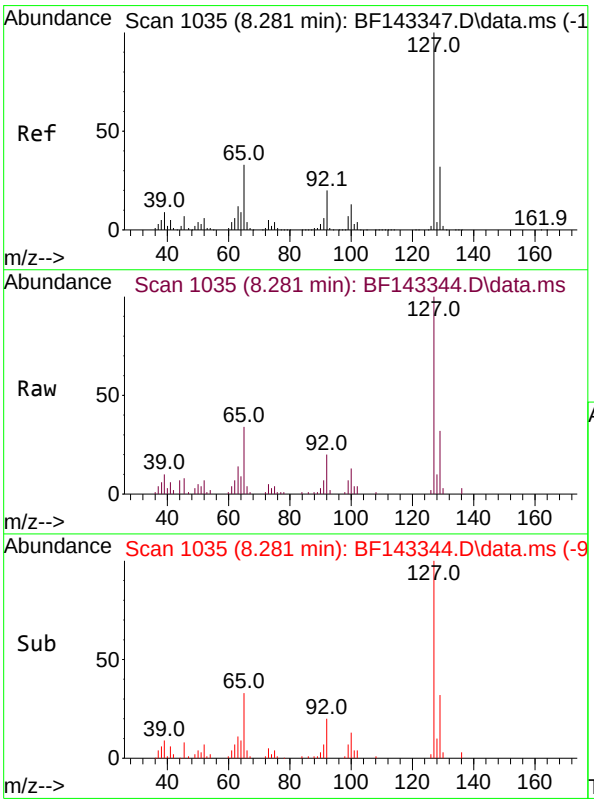
#31
Naphthalene
Concen: 5.625 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 170051

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	10.7	16.1

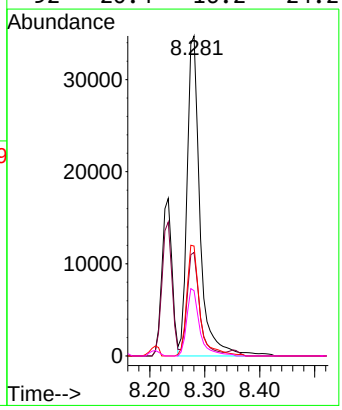


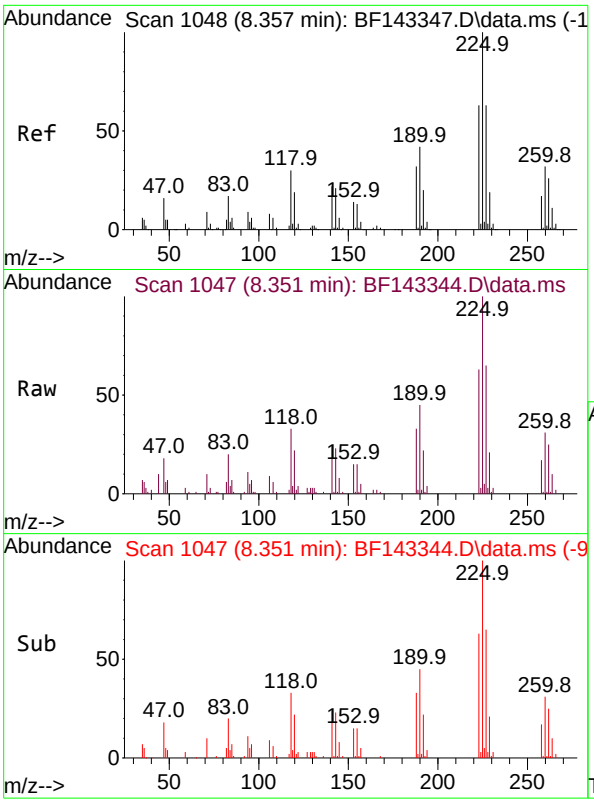


#33
4-Chloroaniline
Concen: 5.217 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:127 Resp: 56886

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	34.4	27.0	40.4
92	20.4	16.2	24.2



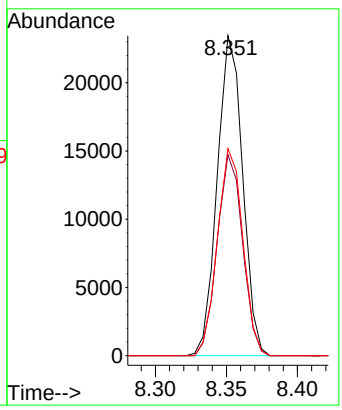


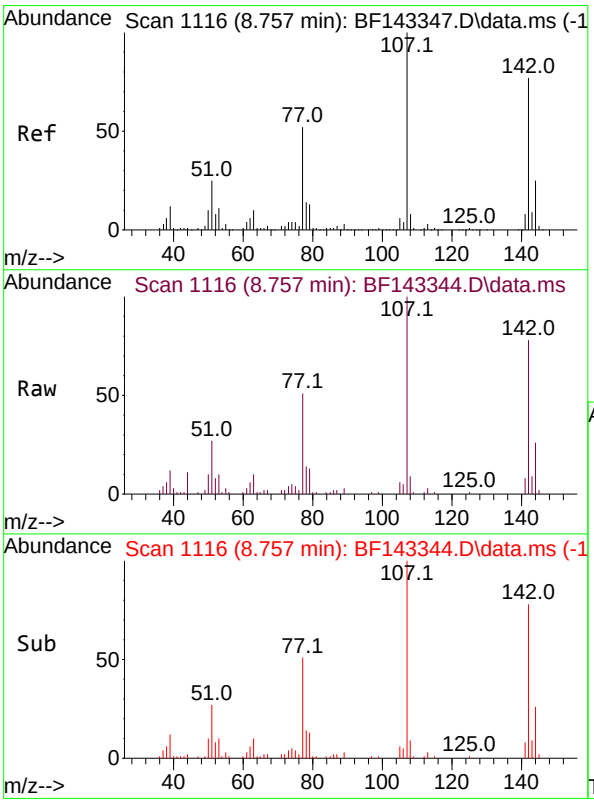
#34
Hexachlorobutadiene
Concen: 5.288 ng
RT: 8.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 29122

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.1	75.1
227	64.7	50.6	75.8

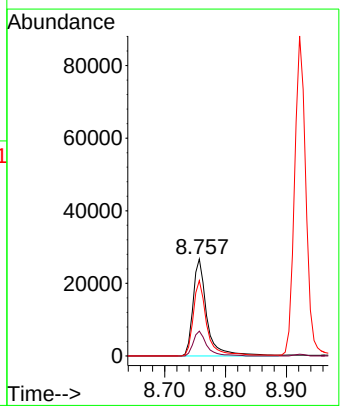


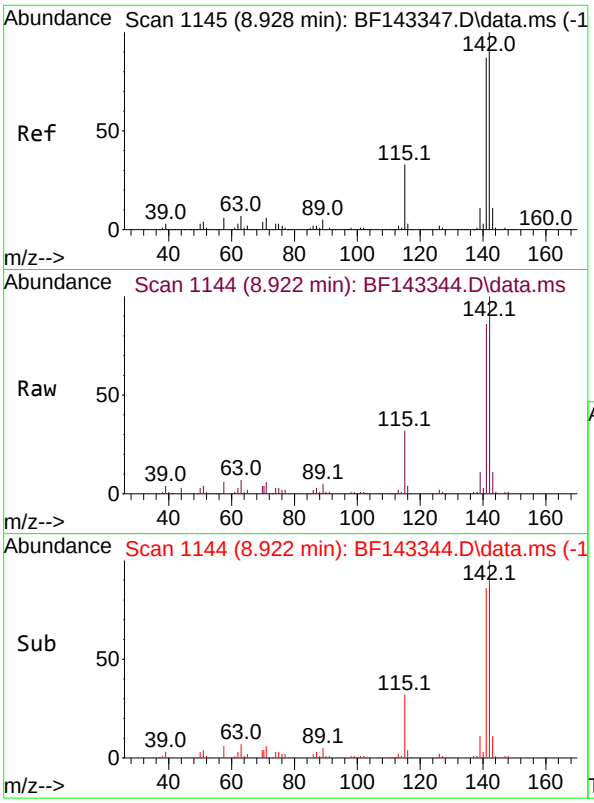


#36
4-Chloro-3-methylphenol
Concen: 4.817 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:107 Resp: 42384

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.0	30.0
142	77.7	61.3	91.9



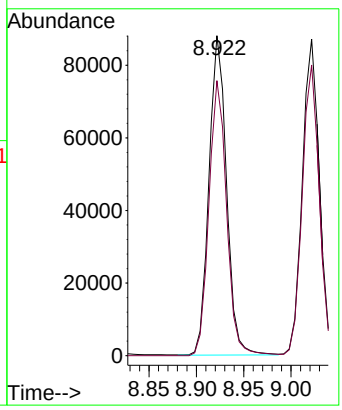


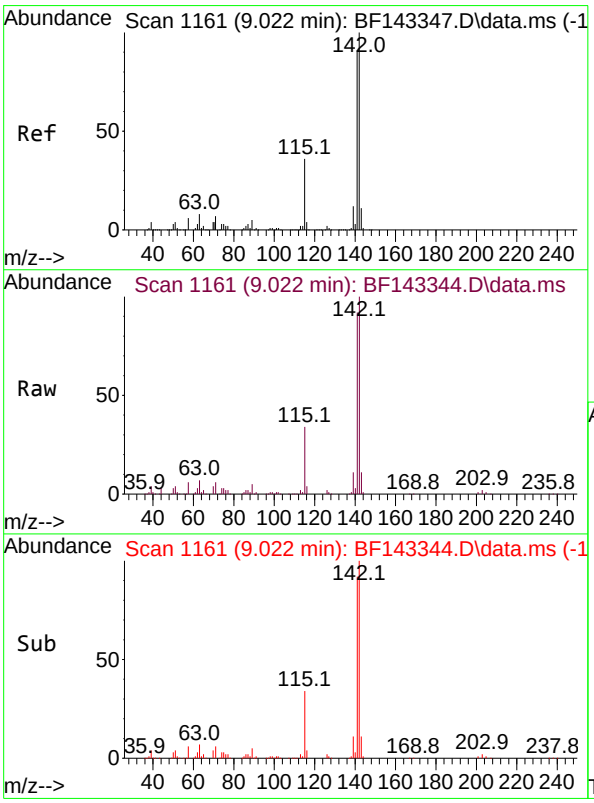
#37
2-Methylnaphthalene
Concen: 5.692 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 113134

Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.8	104.8

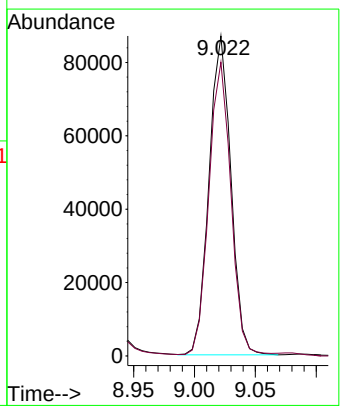


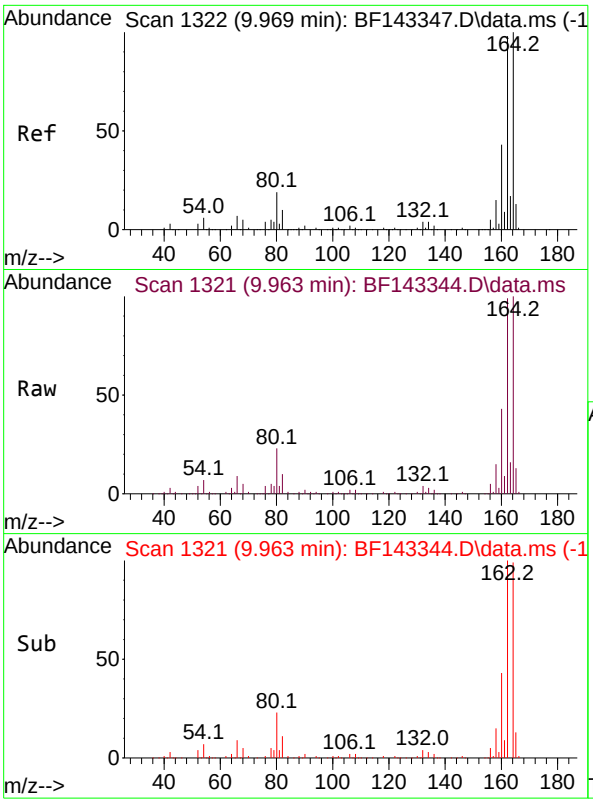


#38
1-Methylnaphthalene
Concen: 5.661 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:142 Resp: 108359

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.0	109.4



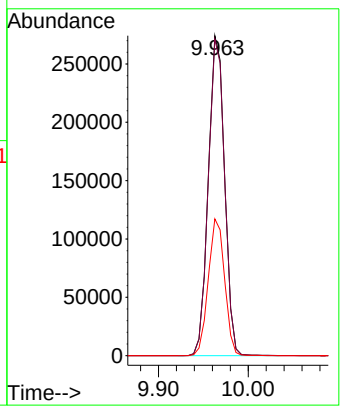


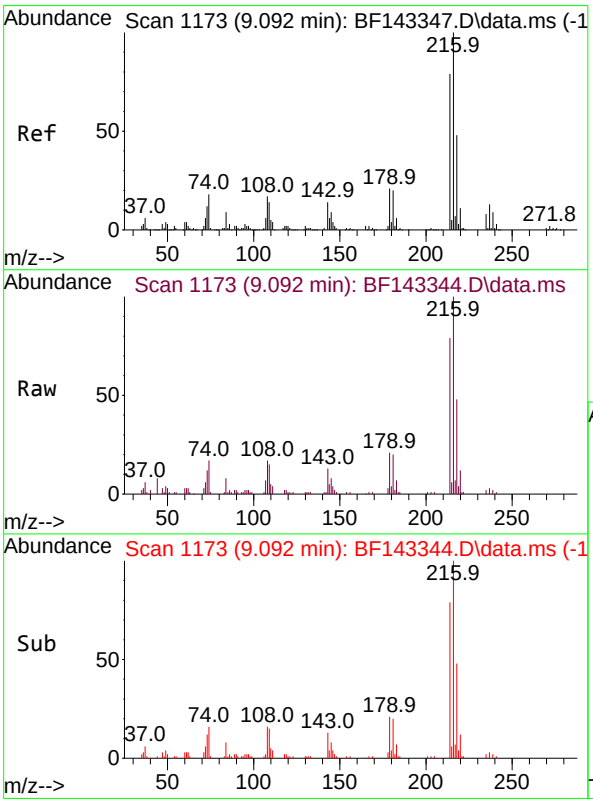
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 344999

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.6	118.0
160	42.7	34.4	51.6

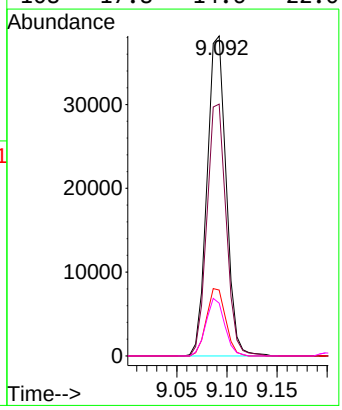


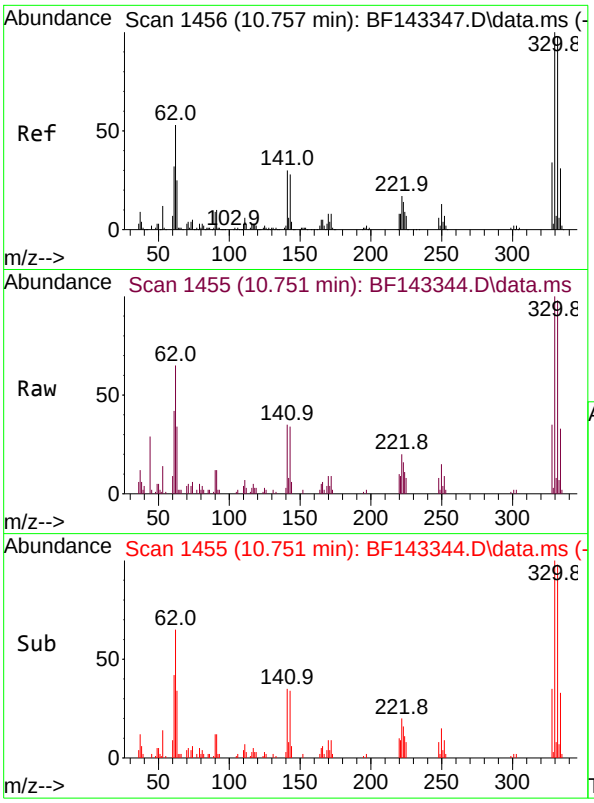


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.373 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:216 Resp: 50724

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.0	17.0	25.4
108	17.8	14.6	22.0



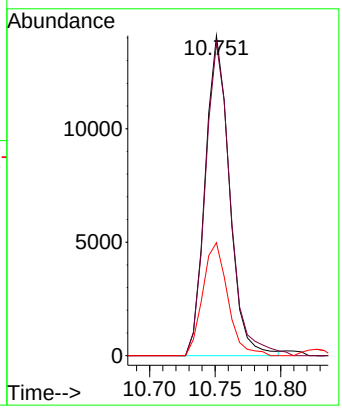


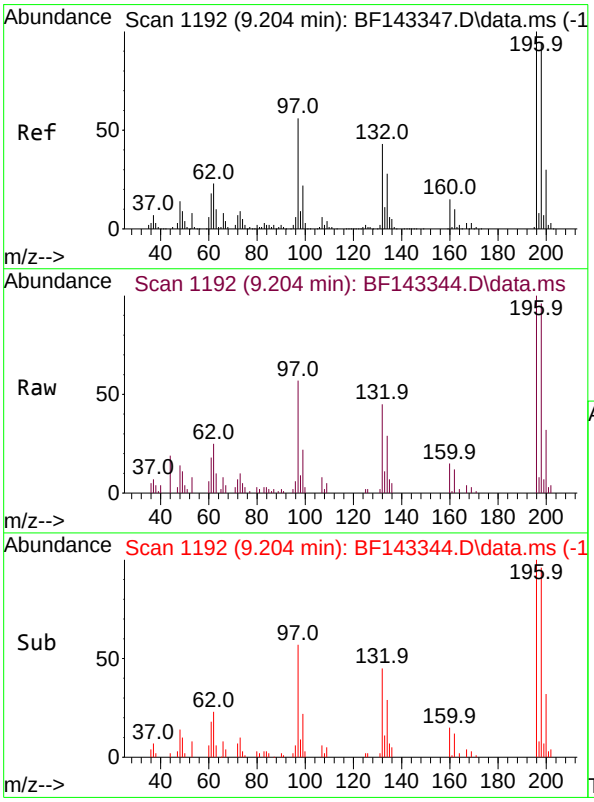
#42
2,4,6-Tribromophenol
Concen: 7.182 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 18107

Ion	Ratio	Lower	Upper
330	100		
332	100.5	78.1	117.1
141	36.6	25.4	38.0

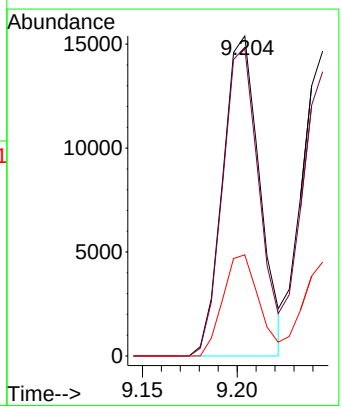


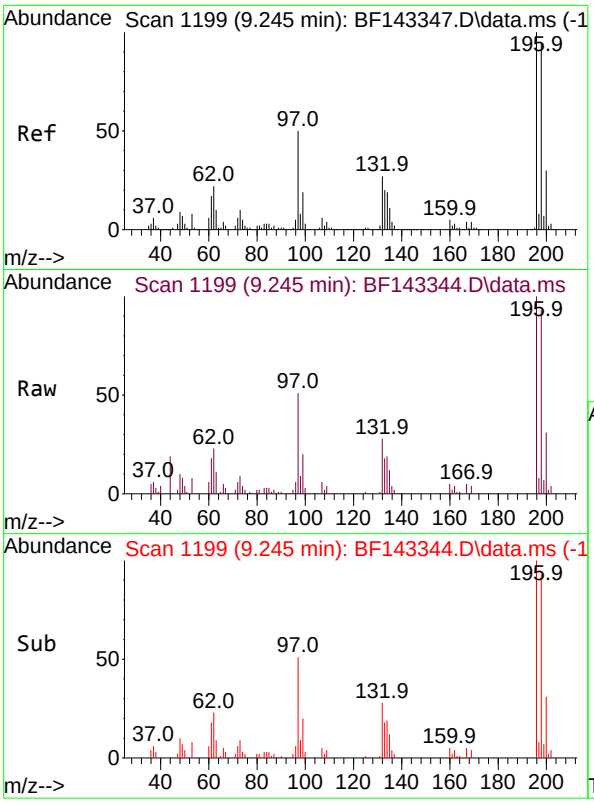


#43
2,4,6-Trichlorophenol
Concen: 3.890 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:196 Resp: 20838

Ion	Ratio	Lower	Upper
196	100		
198	96.5	75.4	113.0
200	31.6	24.3	36.5



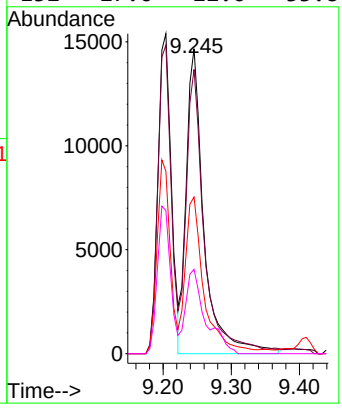


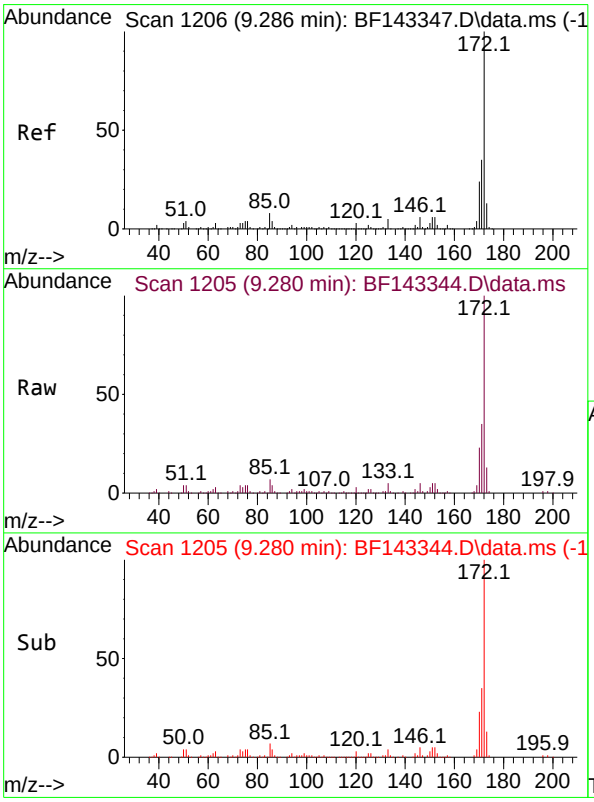
#44
2,4,5-Trichlorophenol
Concen: 4.384 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 26517

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.4	113.2
97	51.3	39.9	59.9
132	27.6	22.6	33.8

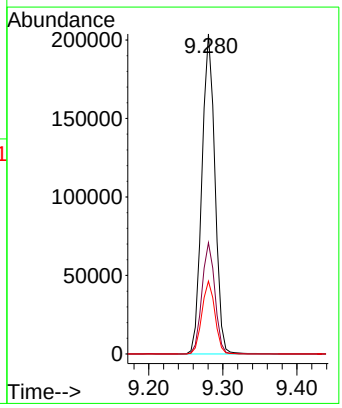


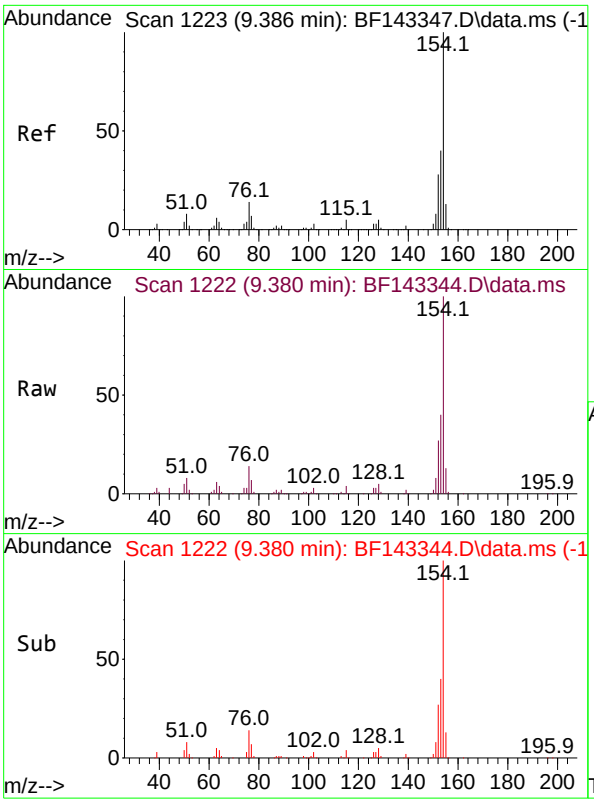


#45
2-Fluorobiphenyl
Concen: 12.244 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:172 Resp: 249109

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.4	42.6
170	22.8	19.1	28.7



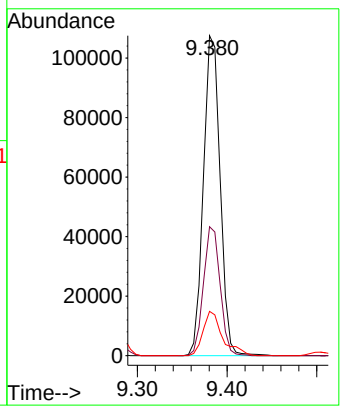


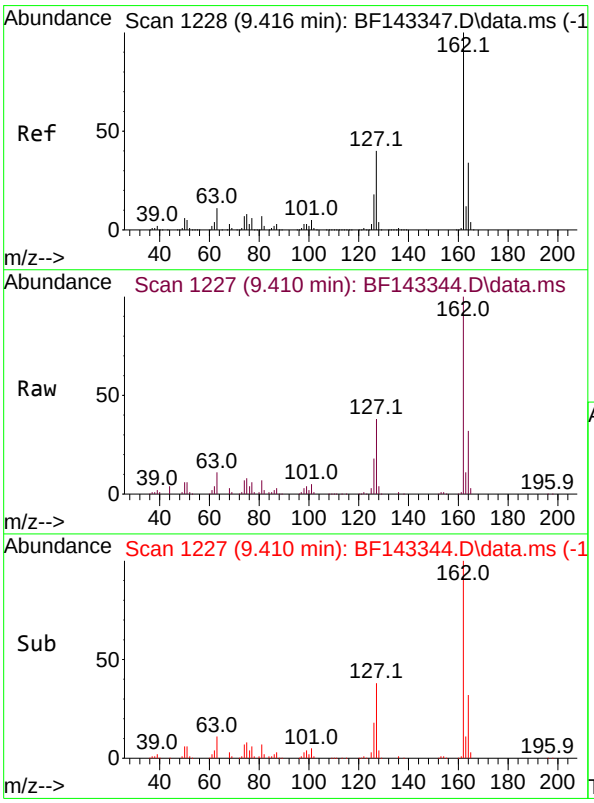
#46
1,1'-Biphenyl
Concen: 5.703 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 139115

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.2	60.2
76	13.9	0.0	34.4

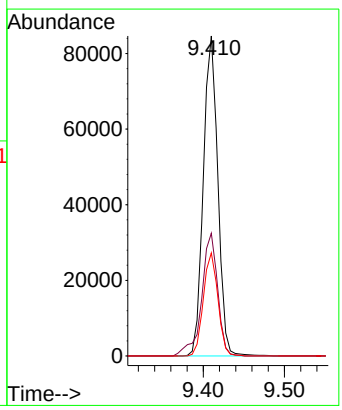


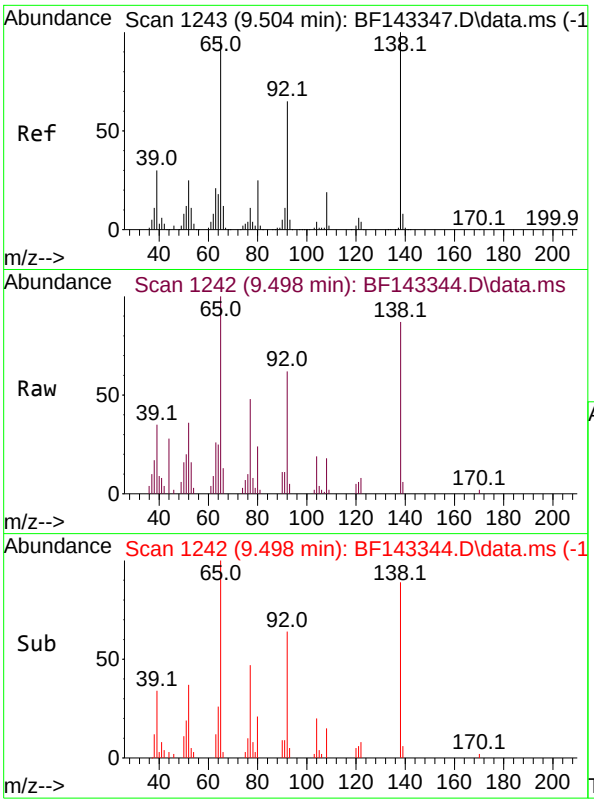


#47
2-Chloronaphthalene
Concen: 5.459 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:162 Resp: 104874

Ion	Ratio	Lower	Upper
162	100		
127	38.3	32.1	48.1
164	32.2	27.0	40.4



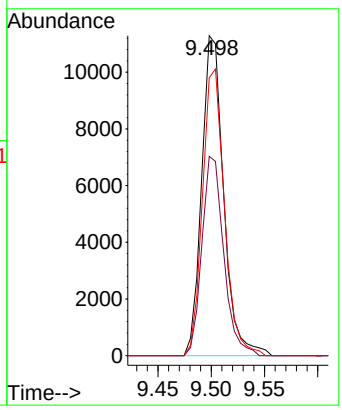


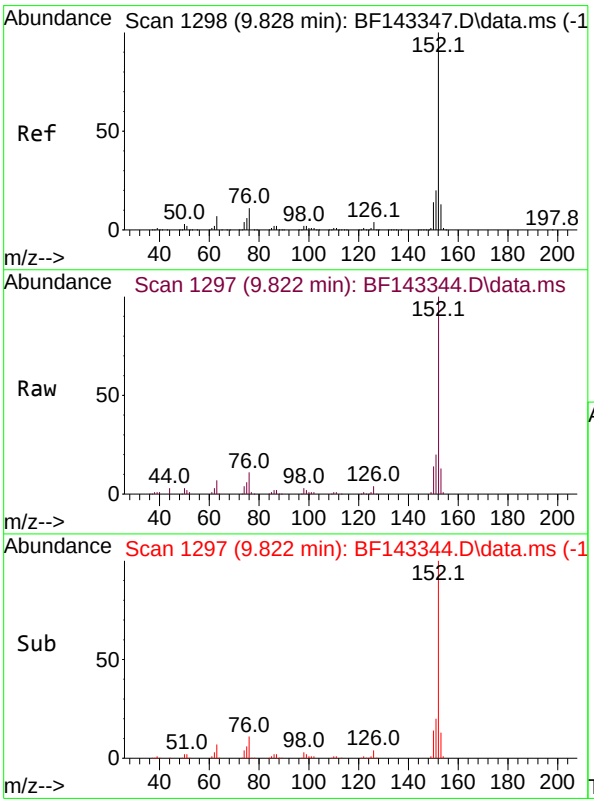
#48
2-Nitroaniline
Concen: 5.521 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 16200

Ion	Ratio	Lower	Upper
65	100		
92	62.3	53.1	79.7
138	86.9	81.4	122.0

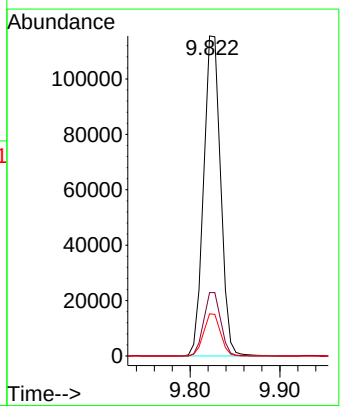


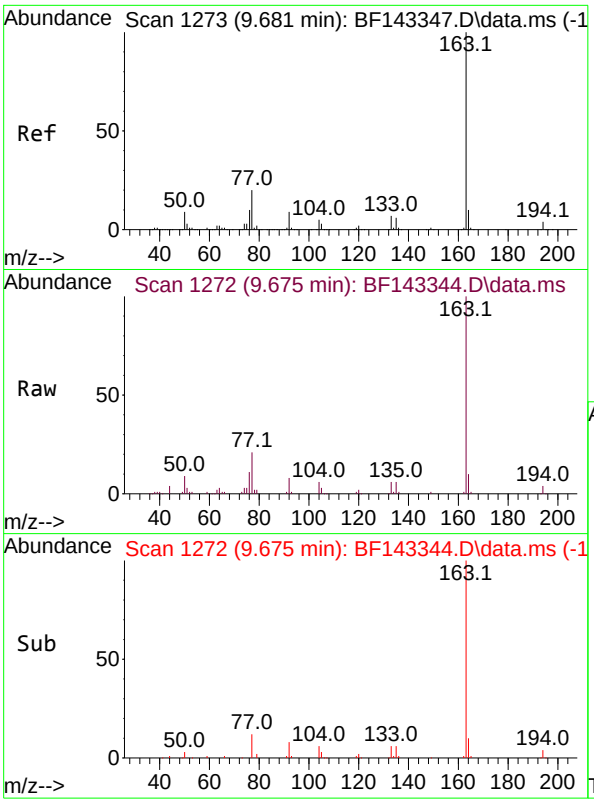


#49
Acenaphthylene
Concen: 5.467 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:152 Resp: 151682

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.1	10.6	16.0



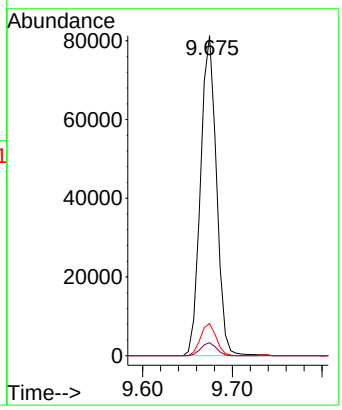


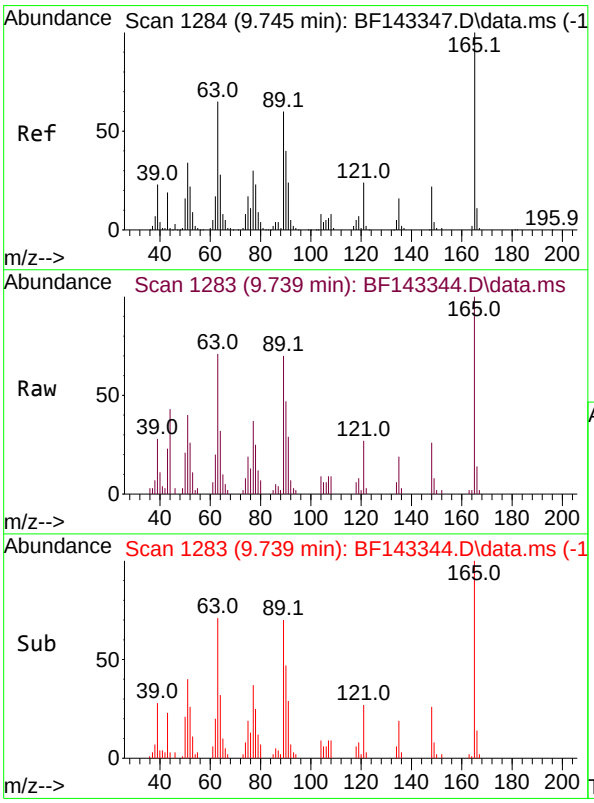
#50
Dimethylphthalate
Concen: 4.962 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 100034

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2

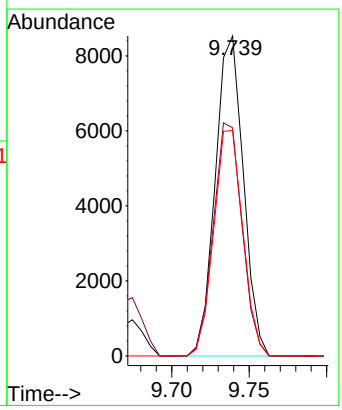


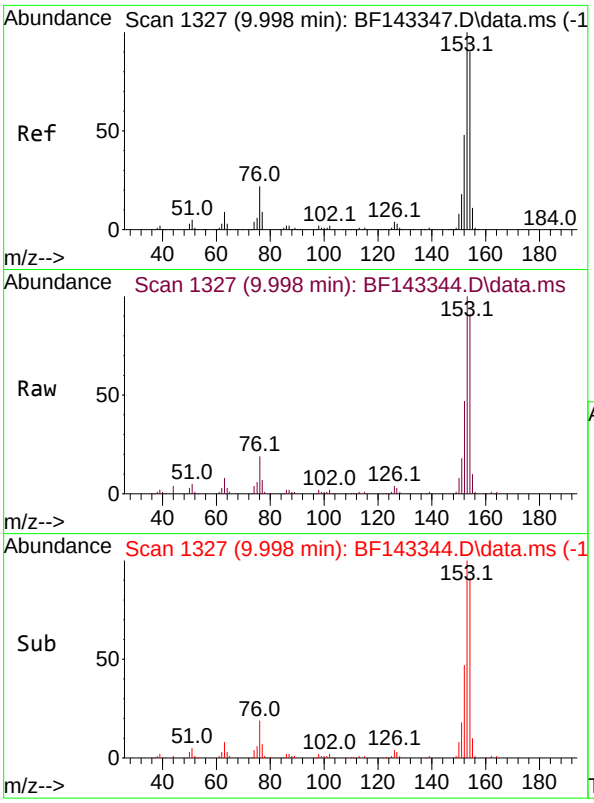


#51
2,6-Dinitrotoluene
Concen: 5.607 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 10751

Ion	Ratio	Lower	Upper
165	100		
63	71.3	51.6	77.4
89	70.4	47.7	71.5



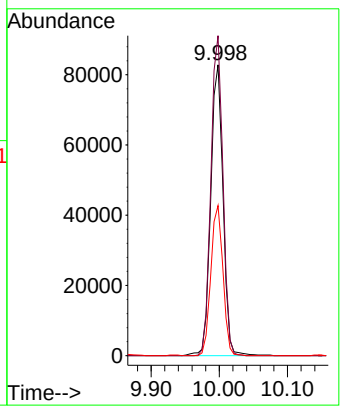


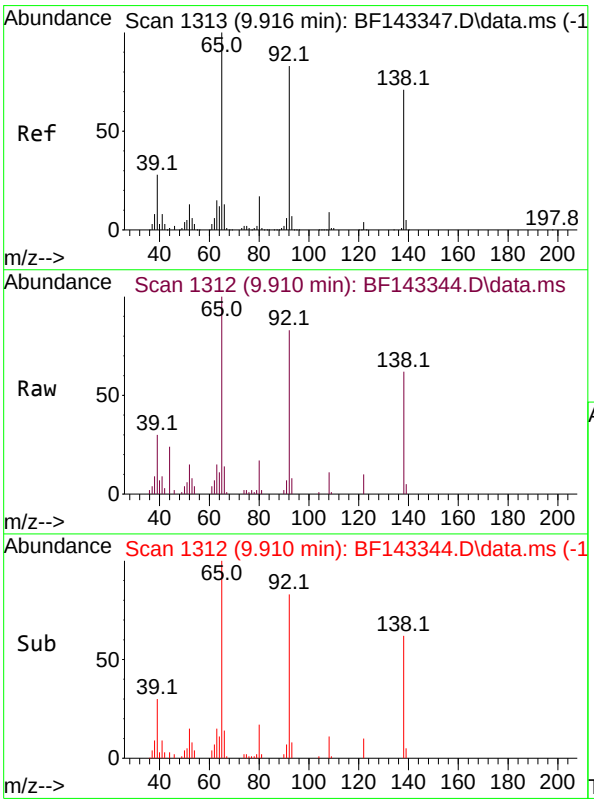
#52
Acenaphthene
Concen: 5.651 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 104223

Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.5	132.7
152	51.6	42.4	63.6

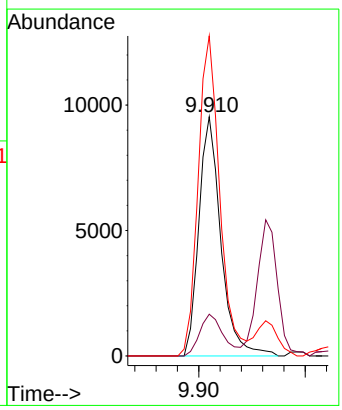


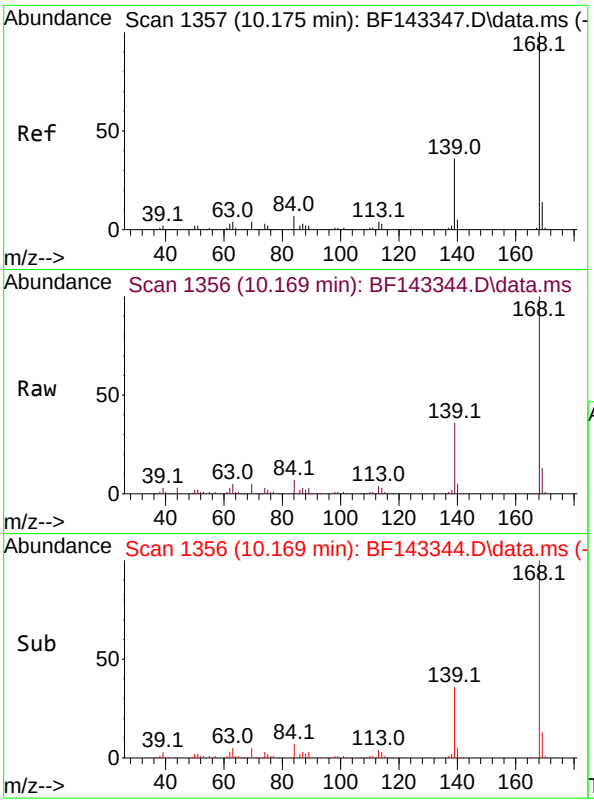


#53
3-Nitroaniline
Concen: 3.319 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:138 Resp: 13704

Ion	Ratio	Lower	Upper
138	100		
108	17.5	9.6	14.4#
92	133.8	93.4	140.2



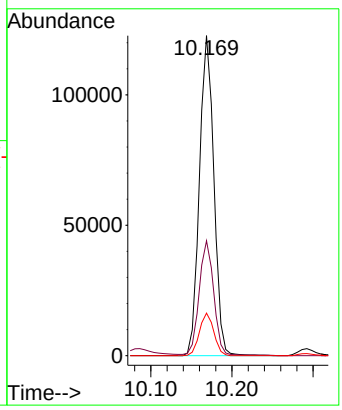


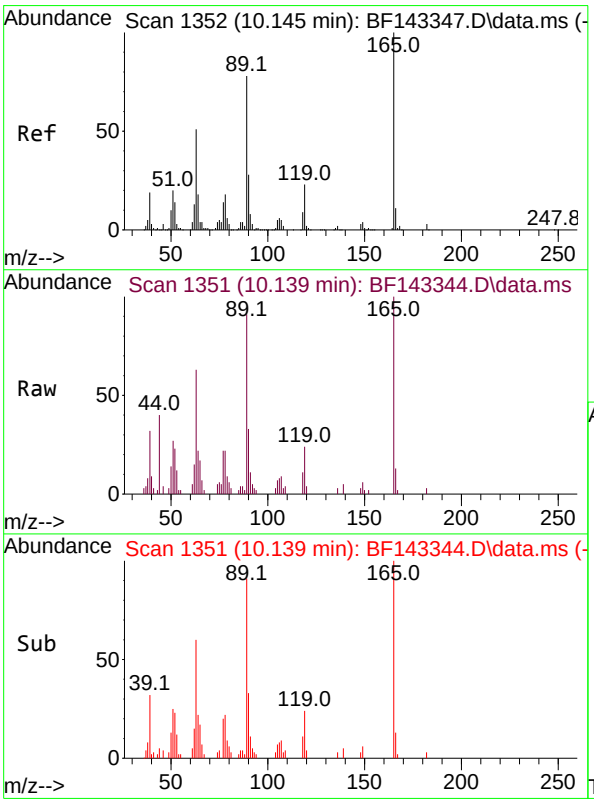
#55
Dibenzofuran
Concen: 5.708 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 151524

Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.4	44.0
169	13.3	11.0	16.6

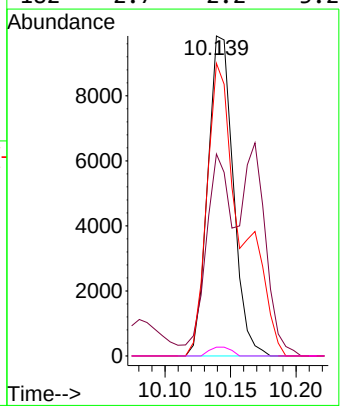


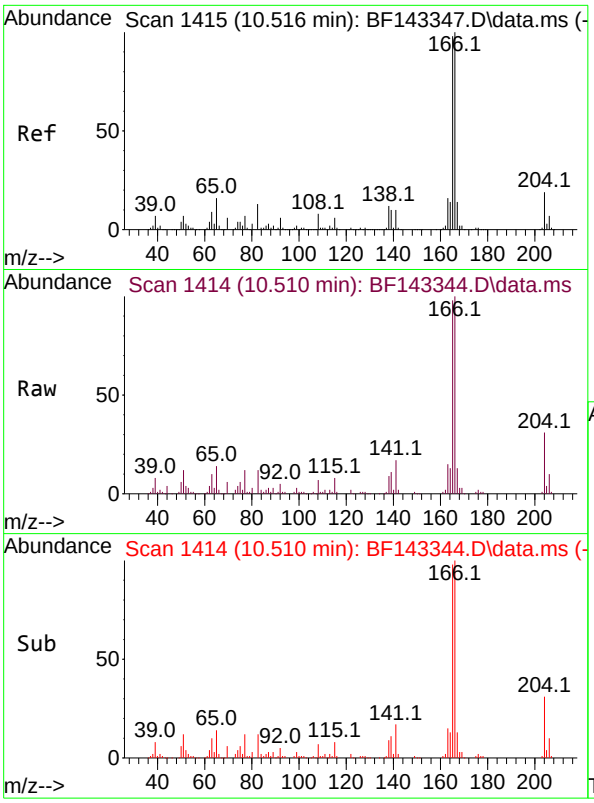


#57
2,4-Dinitrotoluene
Concen: 5.473 ng
RT: 10.139 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 13285

Ion	Ratio	Lower	Upper
165	100		
63	63.1	41.8	62.8#
89	91.5	62.4	93.6
182	2.7	2.2	3.2



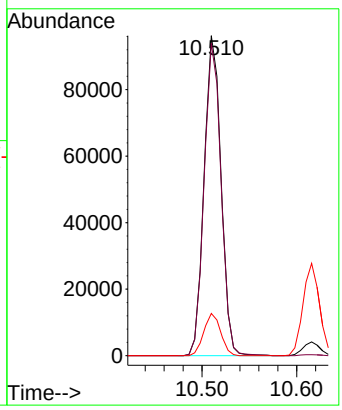


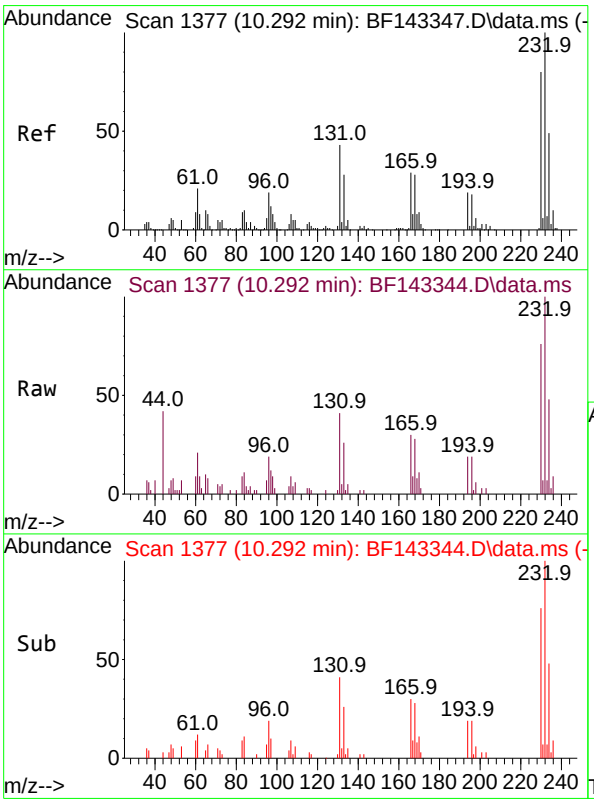
#58
Fluorene
Concen: 5.875 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 119124

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.4
167	13.2	10.9	16.3

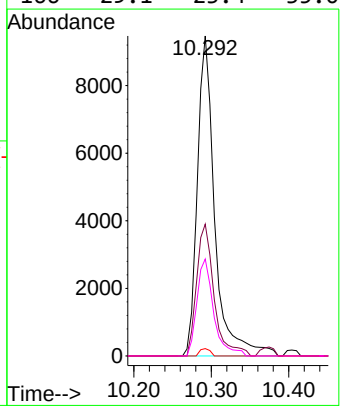


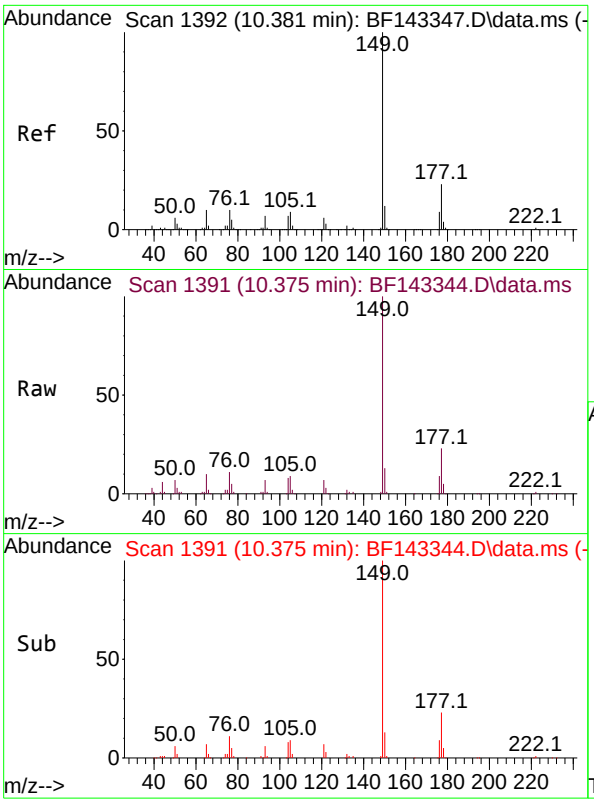


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.628 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:232 Resp: 14793

Ion	Ratio	Lower	Upper
232	100		
131	41.2	34.6	51.8
130	1.3	1.7	2.5#
166	29.1	23.4	35.0



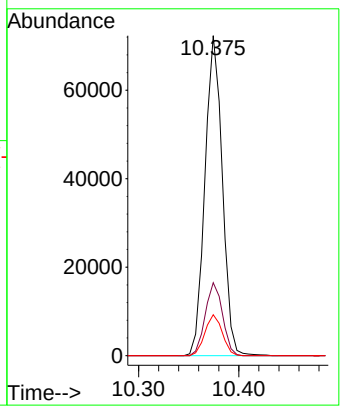


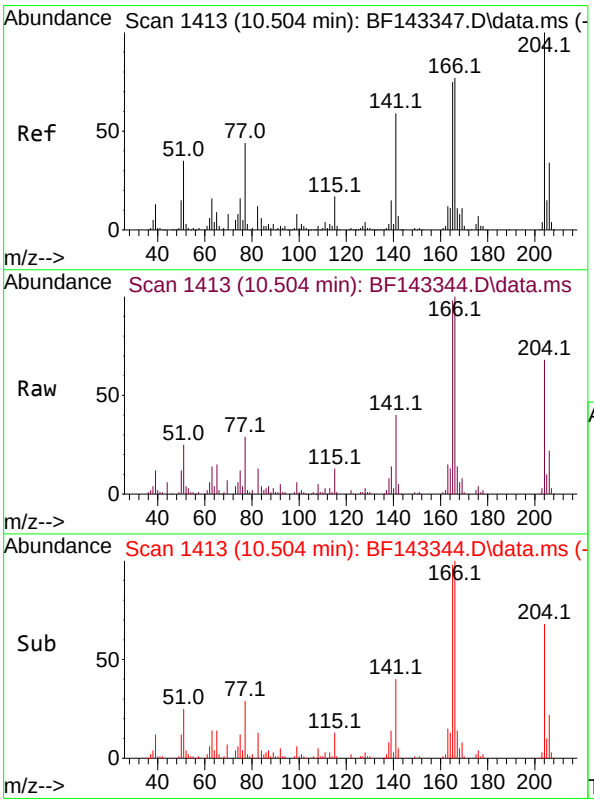
#60
Diethylphthalate
Concen: 4.831 ng
RT: 10.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 87234

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.2
150	12.8	9.9	14.9

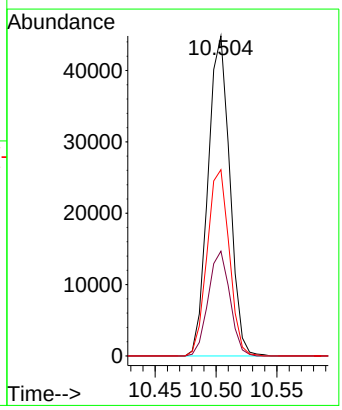


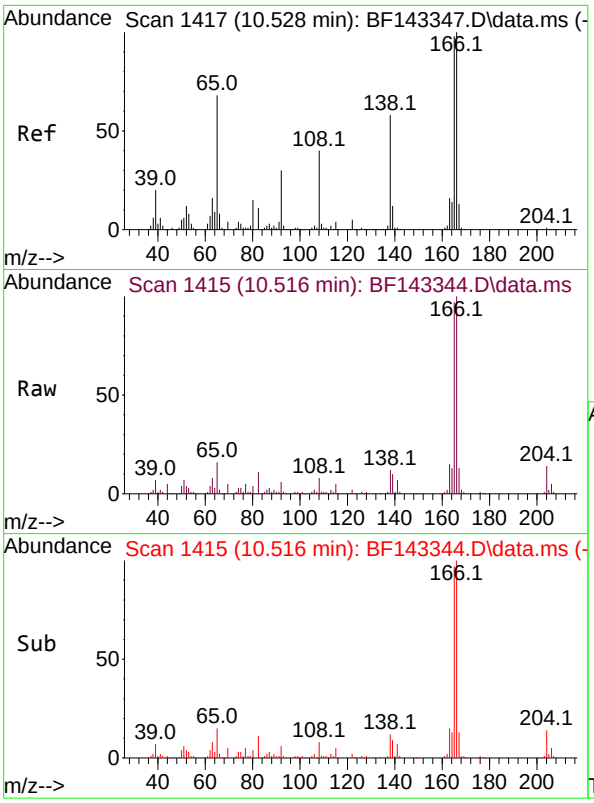


#61
4-Chlorophenyl-phenylether
Concen: 5.677 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:204 Resp: 55620

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.4	41.2
141	58.2	46.9	70.3



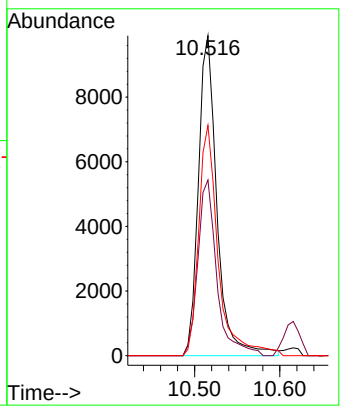


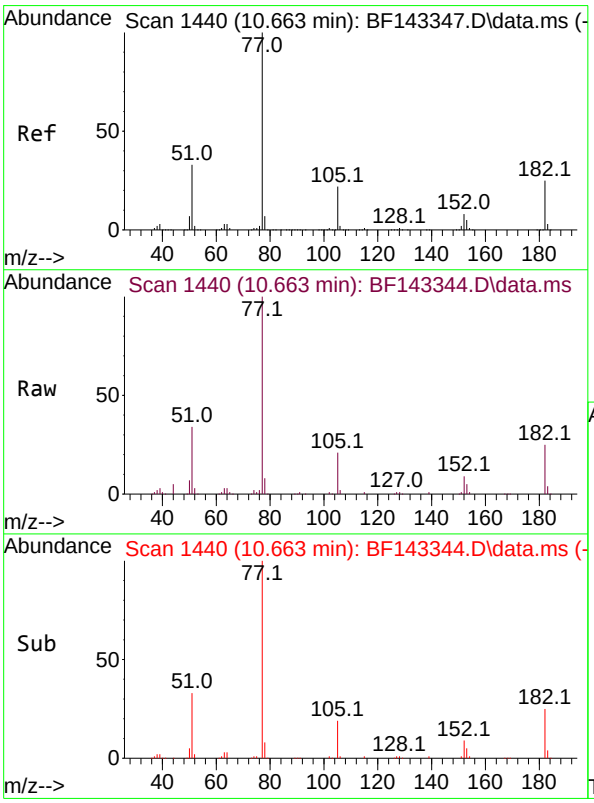
#62
4-Nitroaniline
Concen: 3.762 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15026

Ion	Ratio	Lower	Upper
138	100		
92	54.9	31.2	71.2
108	72.0	48.1	88.1

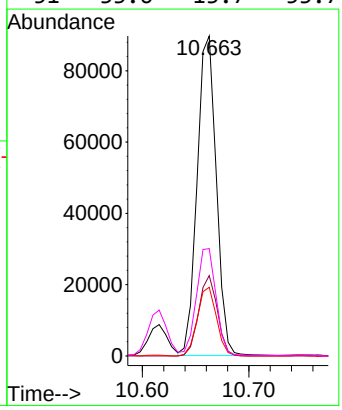


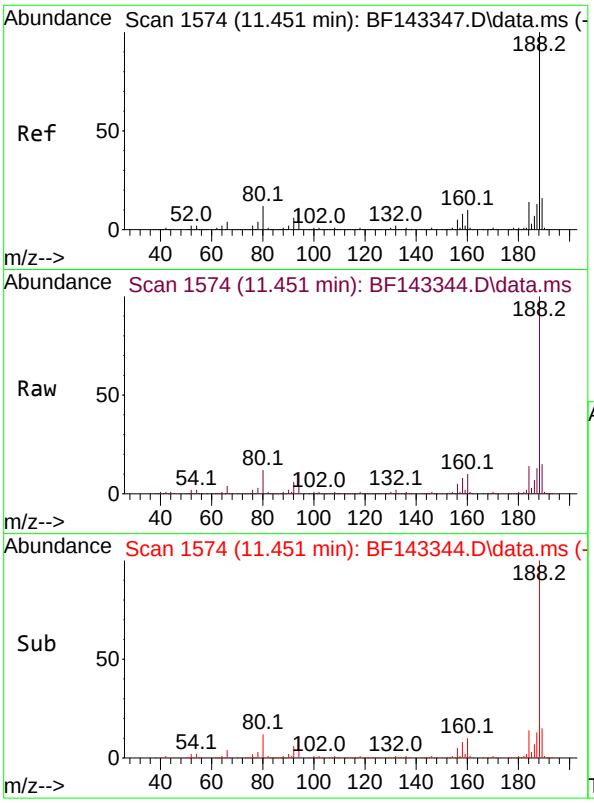


#63
Azobenzene
Concen: 5.445 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 112299

Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.4	44.4
105	21.4	1.8	41.8
51	33.6	13.7	53.7



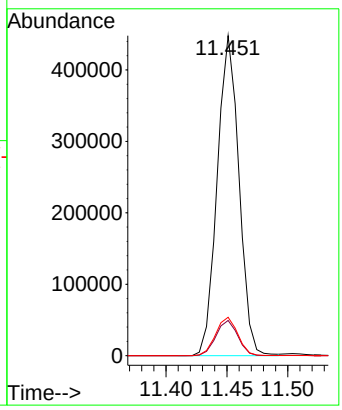


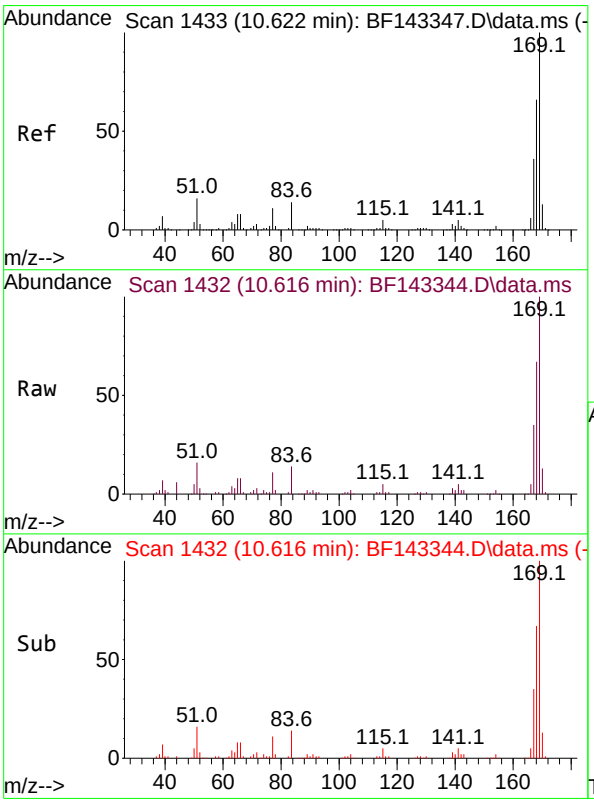
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 557349

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.0	9.7	14.5

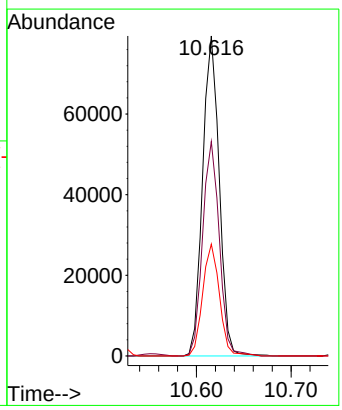


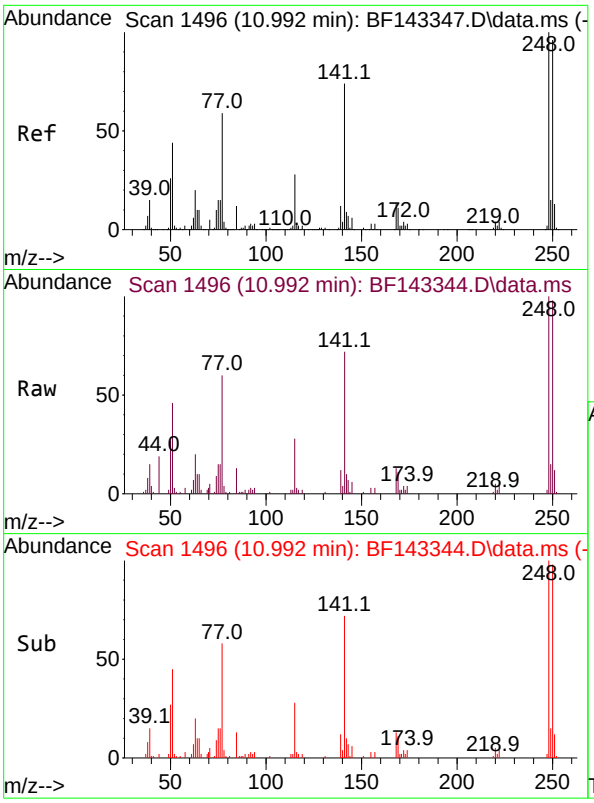


#66
n-Nitrosodiphenylamine
Concen: 5.263 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:169 Resp: 96579

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.7	79.1
167	35.0	28.6	42.8



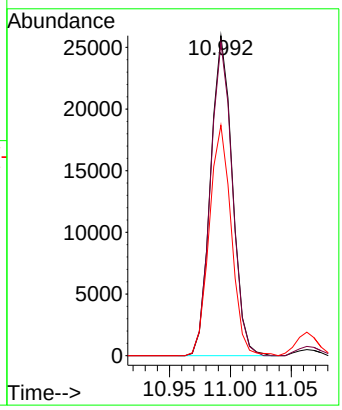


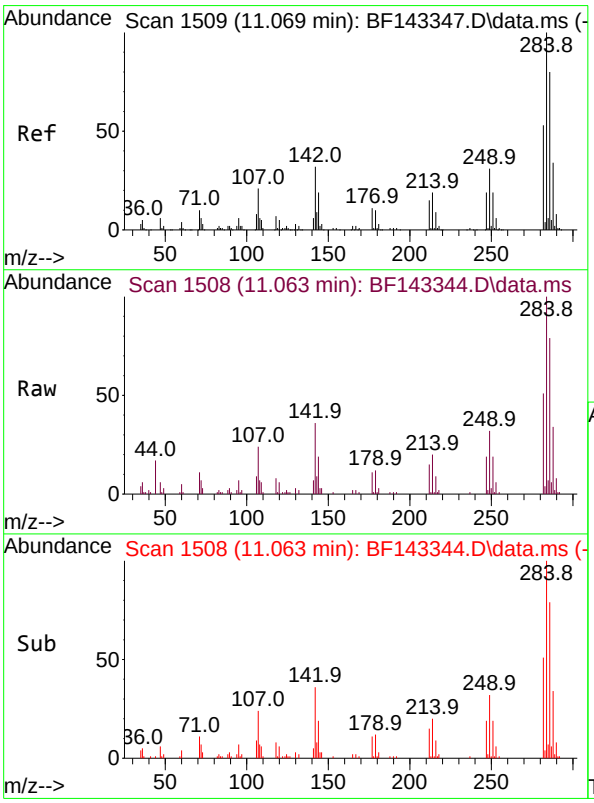
#67
4-Bromophenyl-phenylether
Concen: 5.063 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 32274

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.1	115.7
141	72.0	59.1	88.7

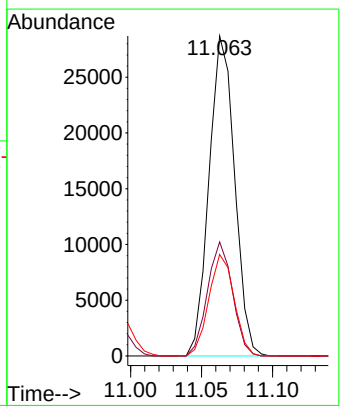


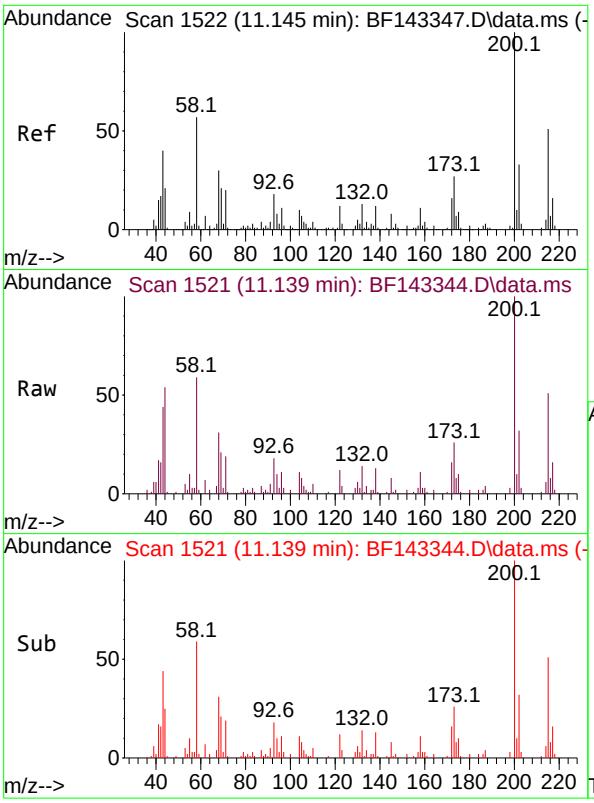


#68
Hexachlorobenzene
Concen: 5.227 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:284 Resp: 35913

Ion	Ratio	Lower	Upper
284	100		
142	35.6	25.7	38.5
249	31.7	24.6	37.0



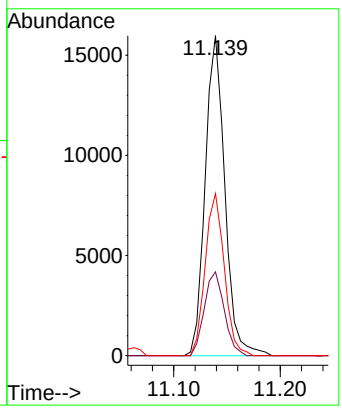


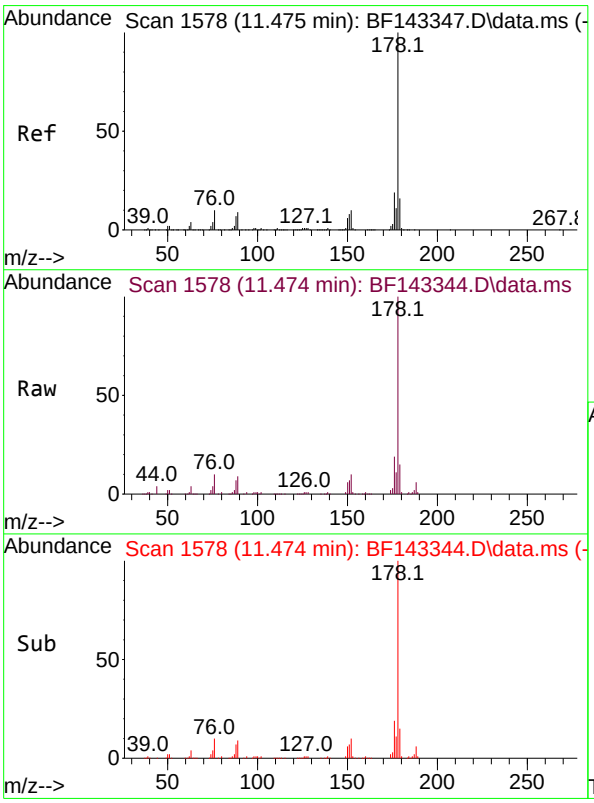
#69
Atrazine
Concen: 4.274 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 20457

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.6	46.6
215	50.7	30.6	70.6

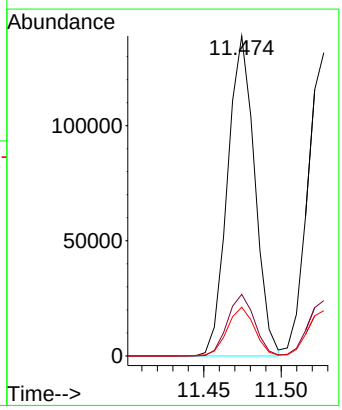


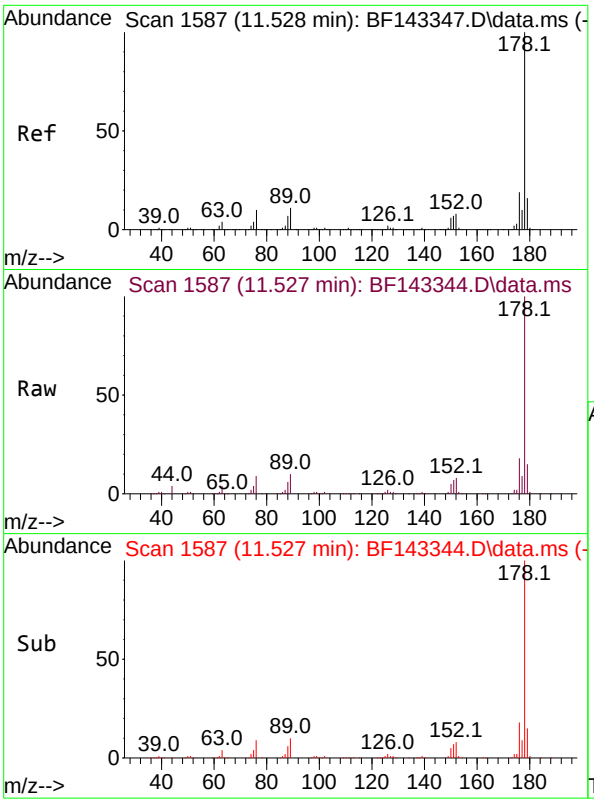


#71
Phenanthrene
Concen: 5.563 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:178 Resp: 169159

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.2	12.5	18.7



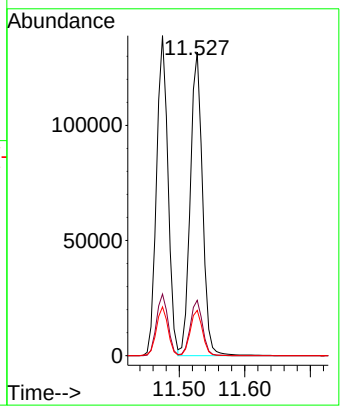


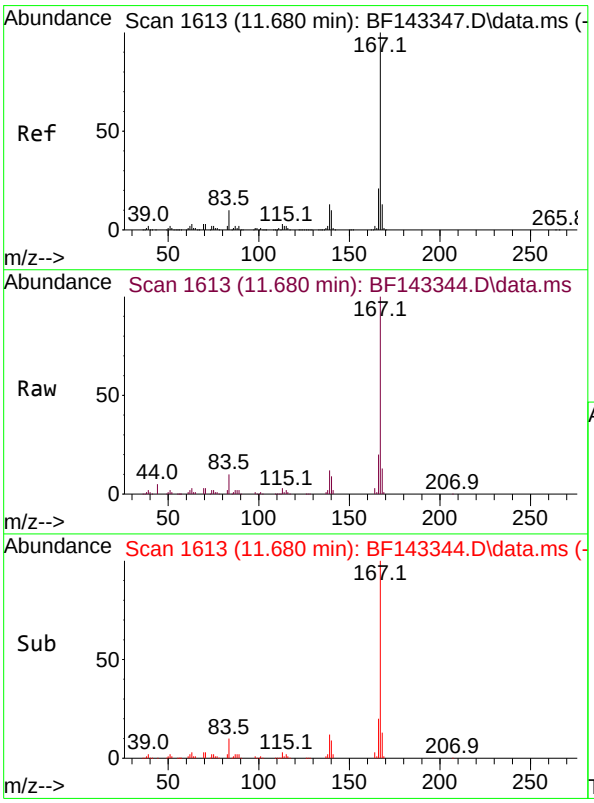
#72
Anthracene
Concen: 5.535 ng
RT: 11.527 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 170698

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	14.9	12.7	19.1

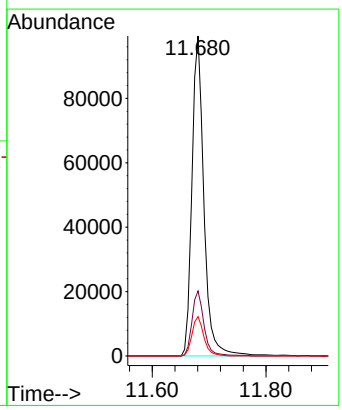


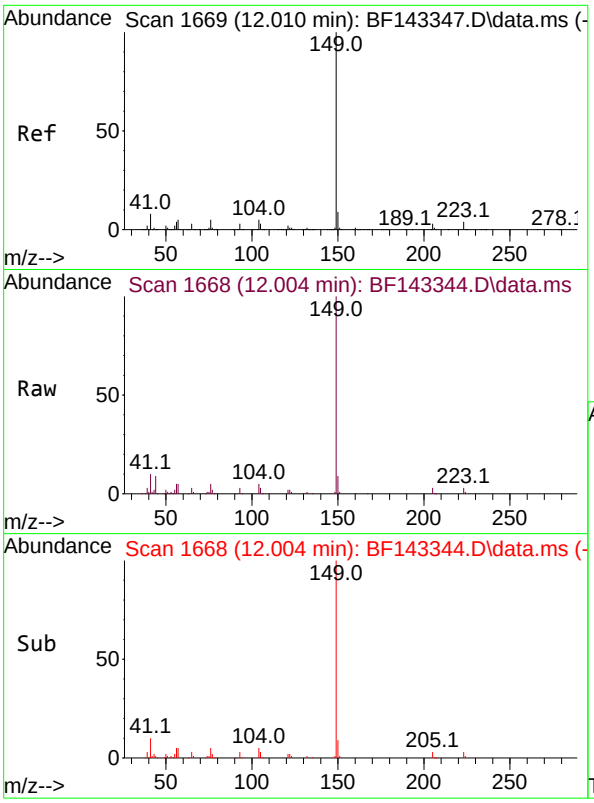


#73
Carbazole
Concen: 5.564 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:167 Resp: 146129

Ion	Ratio	Lower	Upper
167	100		
166	20.3	16.8	25.2
139	12.3	10.2	15.2



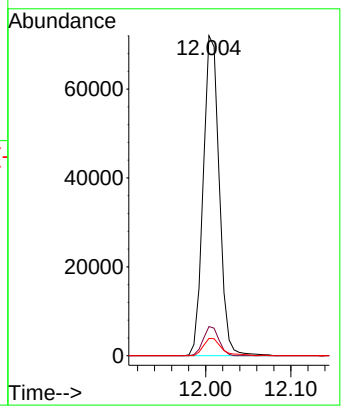


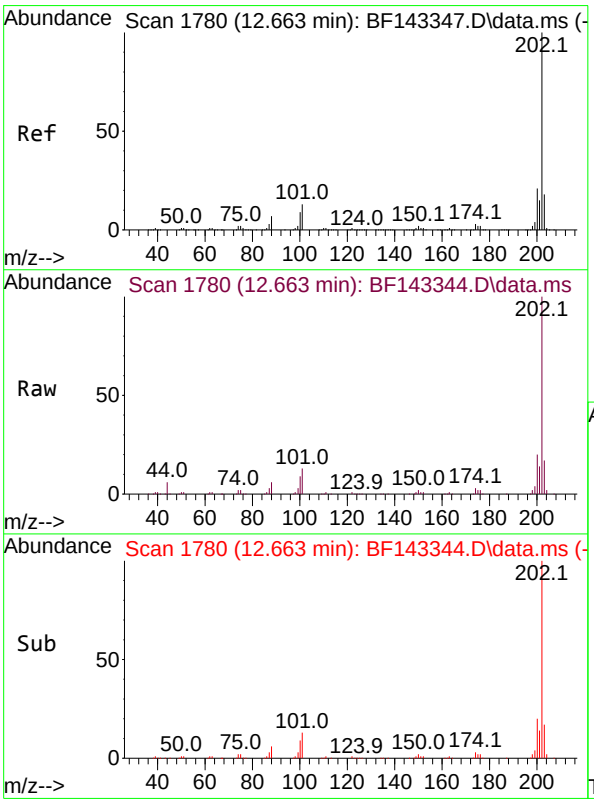
#74
Di-n-butylphthalate
Concen: 4.228 ng
RT: 12.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 93961

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.4	3.8	5.8

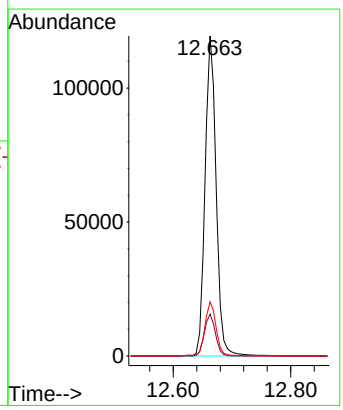


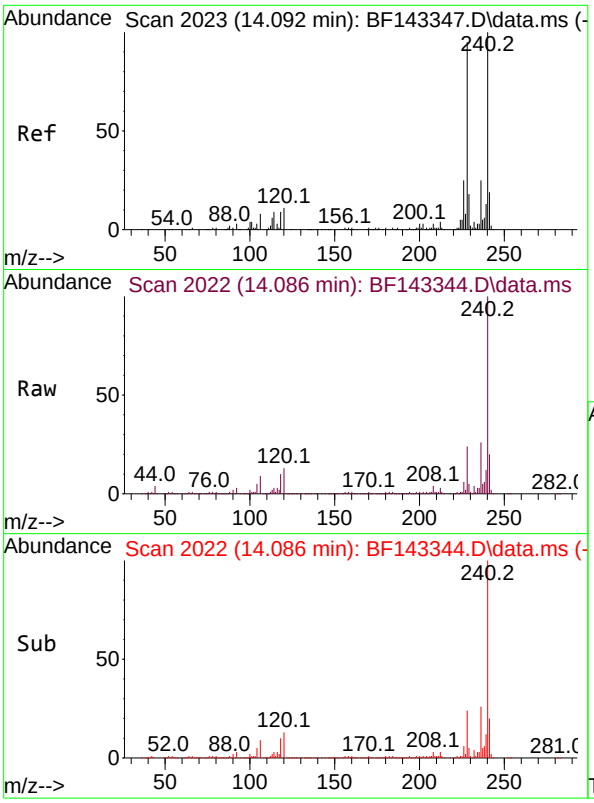


#75
Fluoranthene
Concen: 5.860 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:202 Resp: 156101

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.9	0.0	37.6



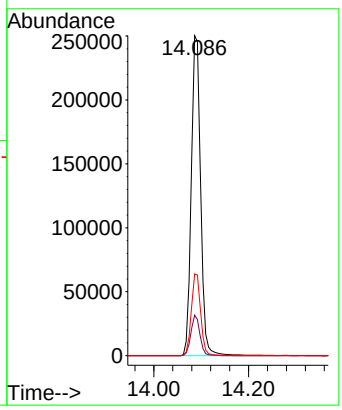


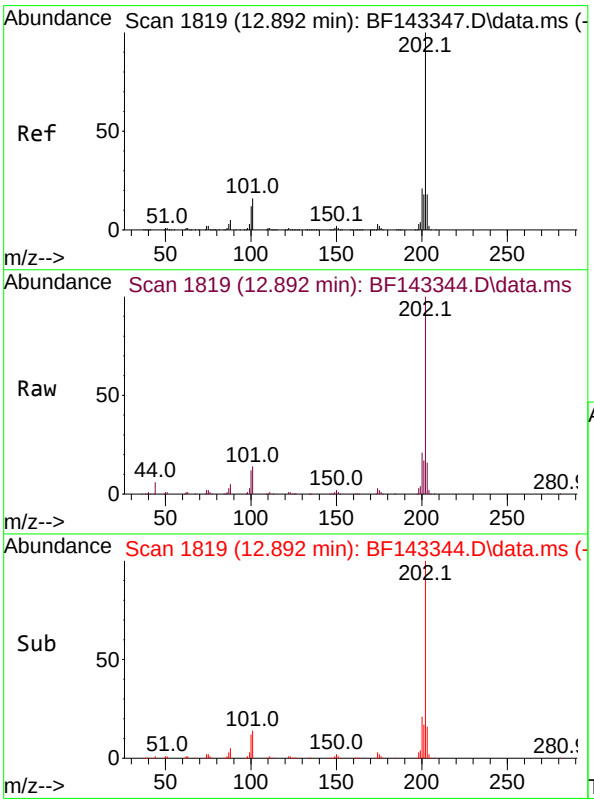
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 344394

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.0	13.6
236	25.5	19.9	29.9

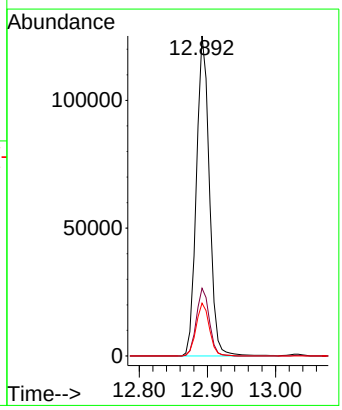


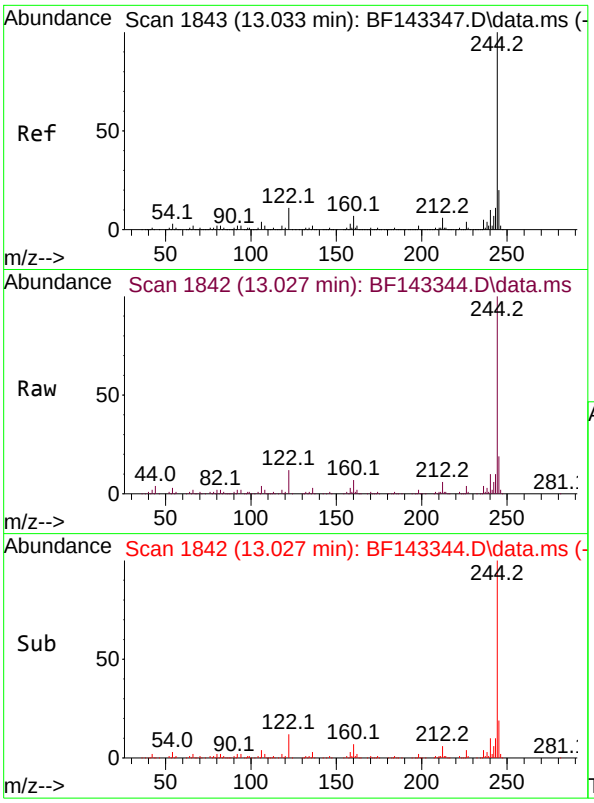


#78
Pyrene
Concen: 5.733 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:202 Resp: 165633

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	16.5	14.2	21.4



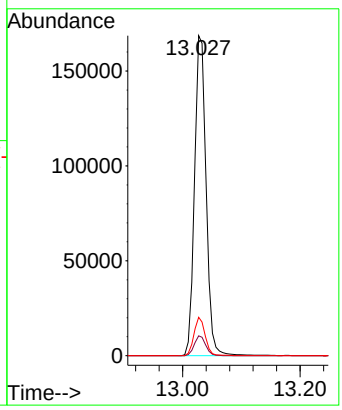


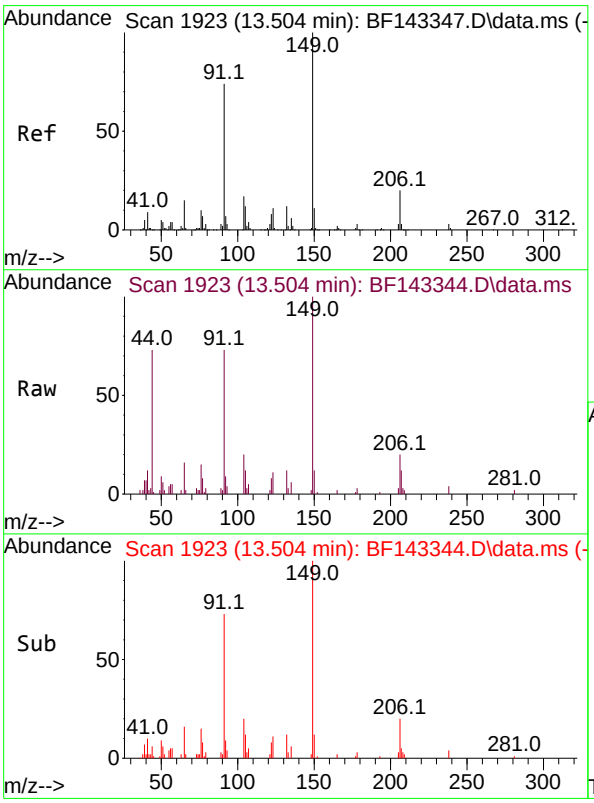
#79
Terphenyl-d14
Concen: 11.938 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 230289

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.1	7.7
122	12.0	8.9	13.3

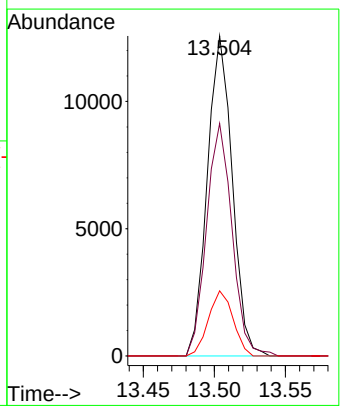


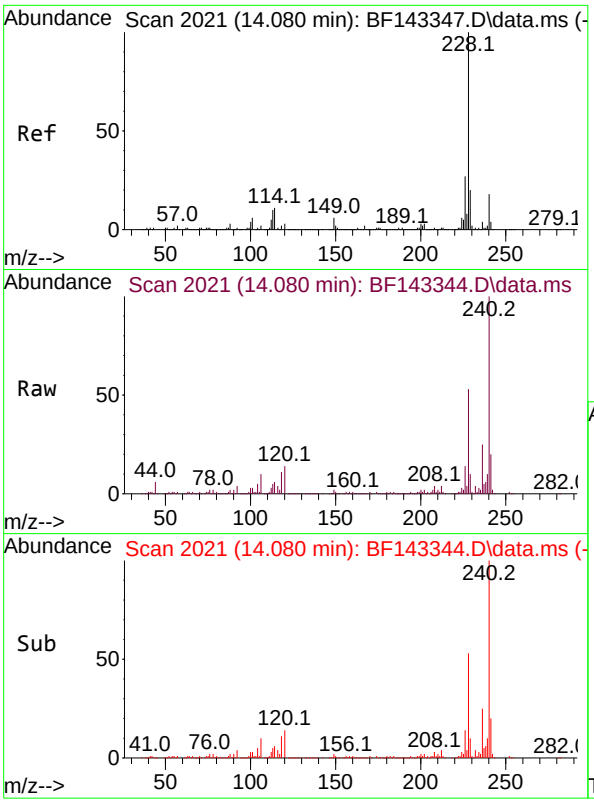


#80
Butylbenzylphthalate
Concen: 5.856 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:149 Resp: 15374

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.8	88.2
206	20.3	16.4	24.6



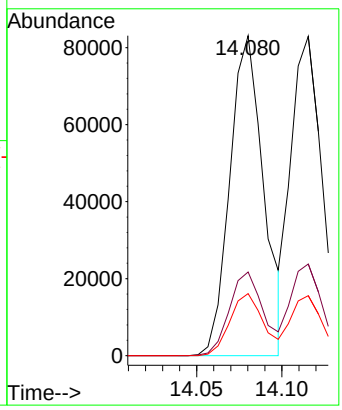


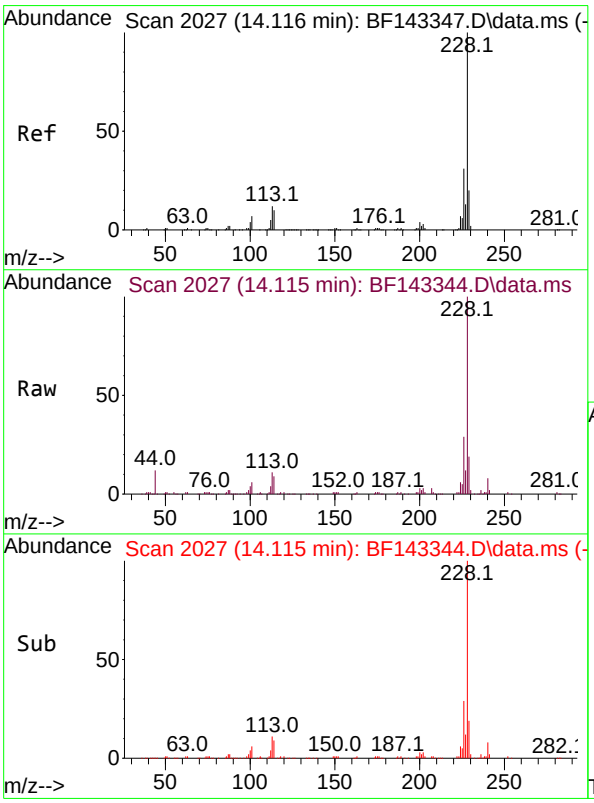
#81
Benzo(a)anthracene
Concen: 5.250 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 114909

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.0	33.0
229	19.4	15.8	23.8

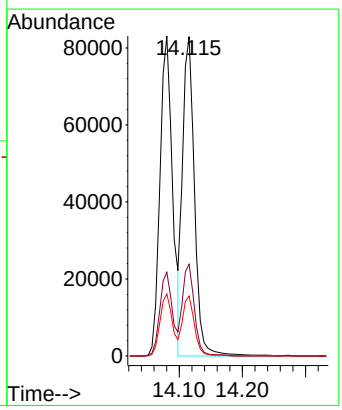


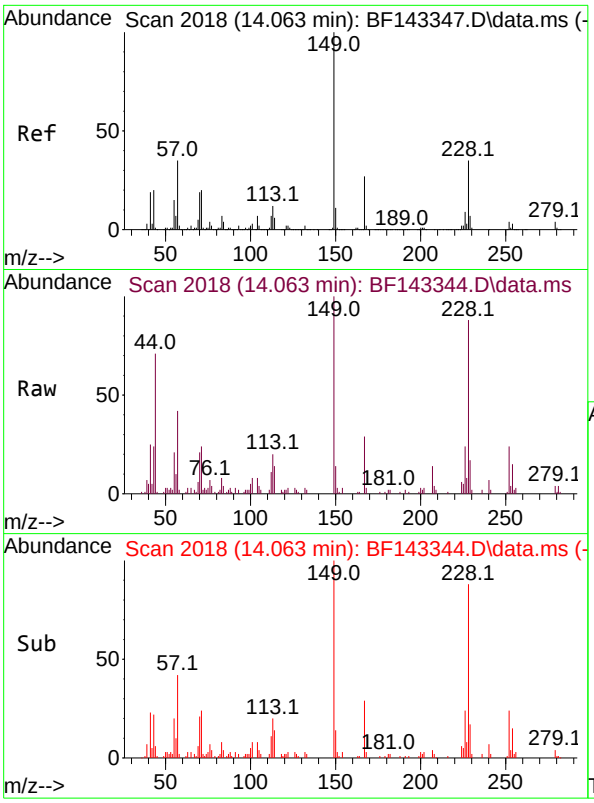


#83
Chrysene
Concen: 5.357 ng
RT: 14.115 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:228 Resp: 109349

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	18.8	15.8	23.6



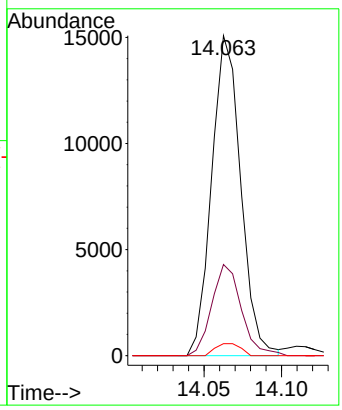


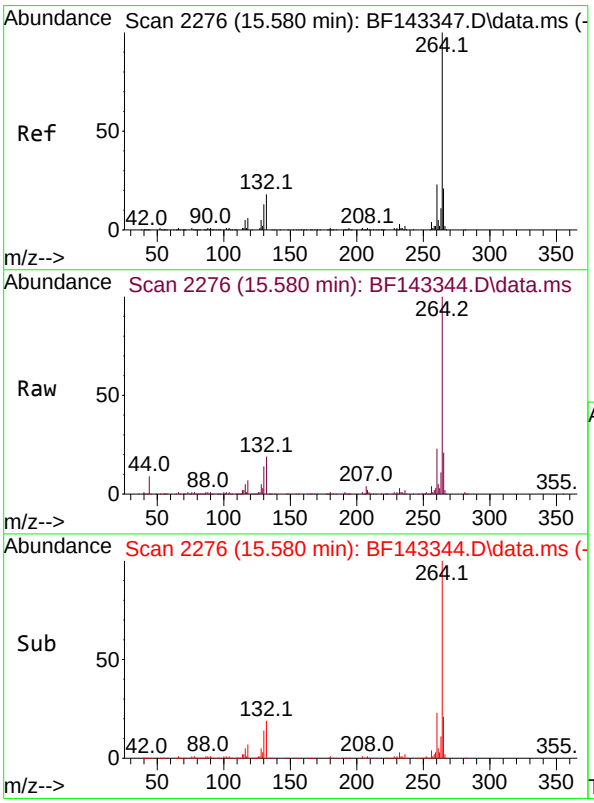
#84
Bis(2-ethylhexyl)phthalate
Concen: 6.133 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 19633

Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.4	32.0
279	3.7	3.2	4.8

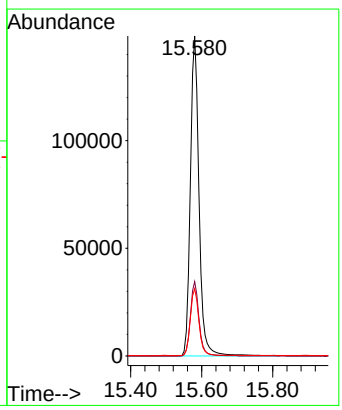


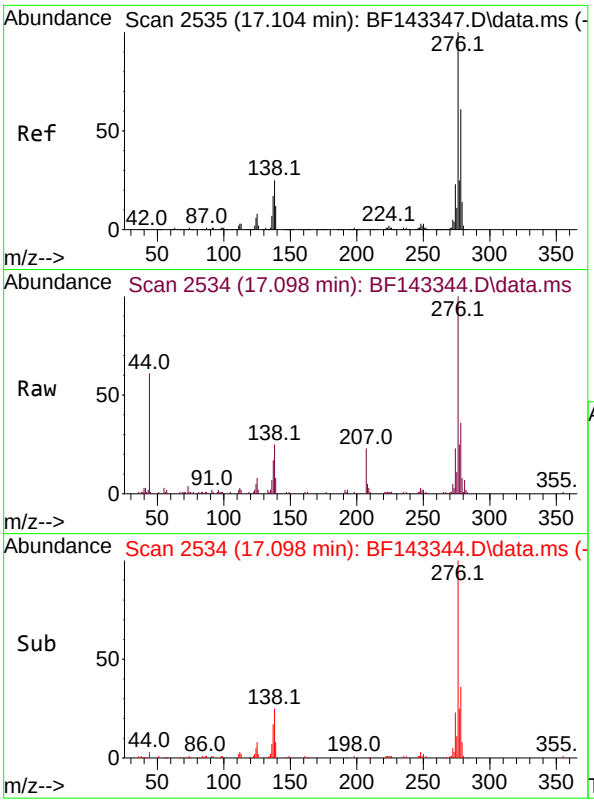


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:264 Resp: 252587

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.0	17.2	25.8



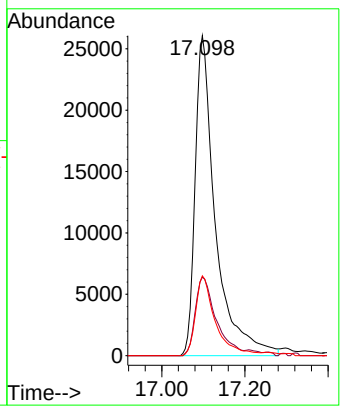


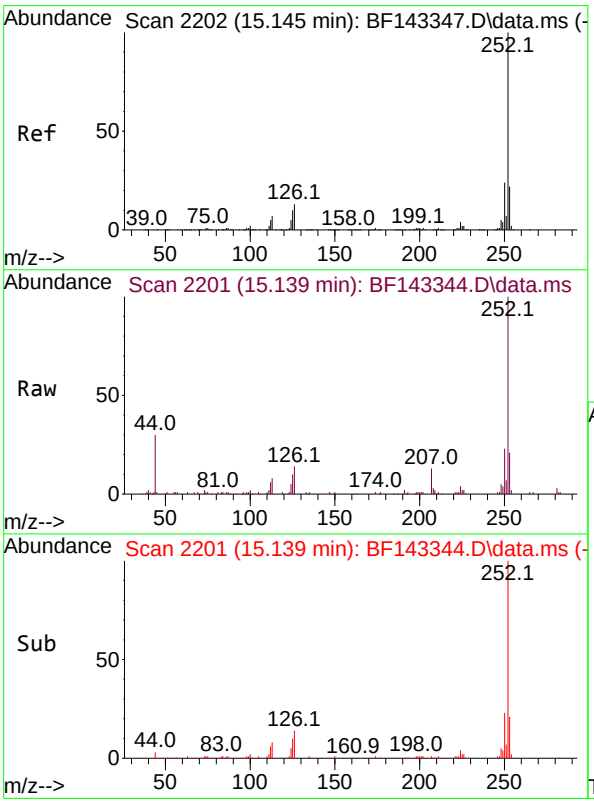
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.890 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 88484

Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.1	31.7
277	24.4	20.2	30.2

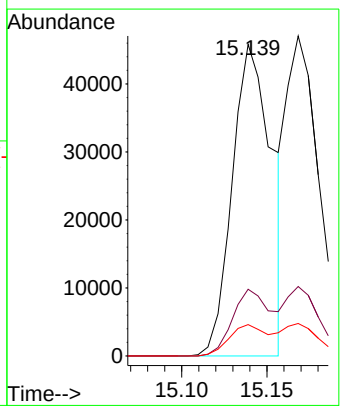


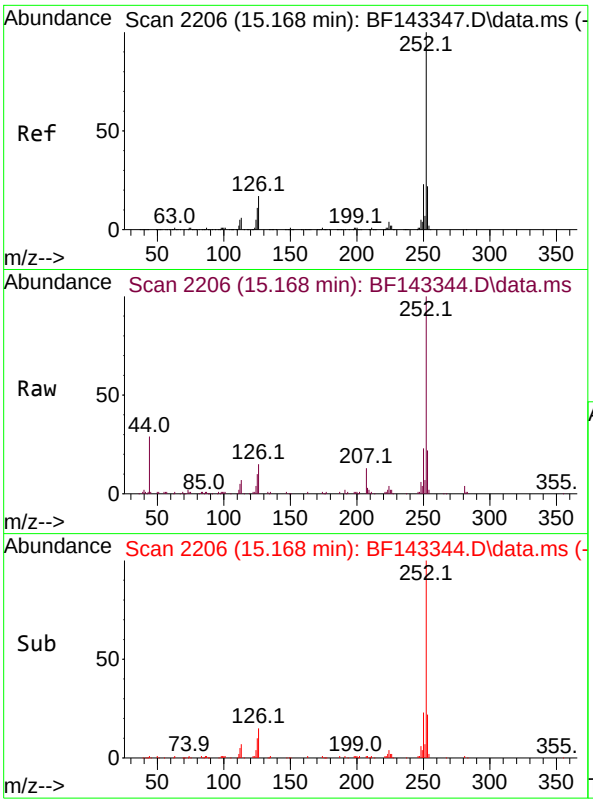


#88
Benzo(b)fluoranthene
Concen: 5.359 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:252 Resp: 74031

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	10.1	7.8	11.6



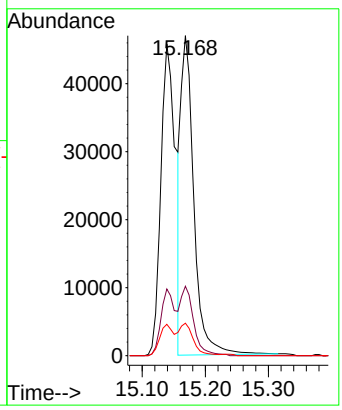


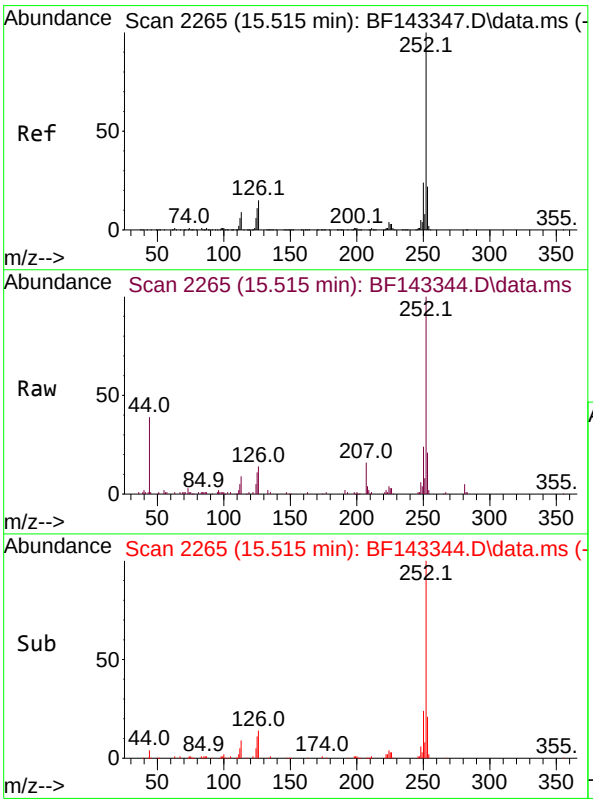
#89
Benzo(k)fluoranthene
Concen: 5.006 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 67207

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.2	8.4	12.6

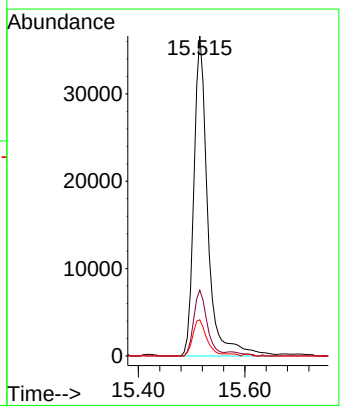


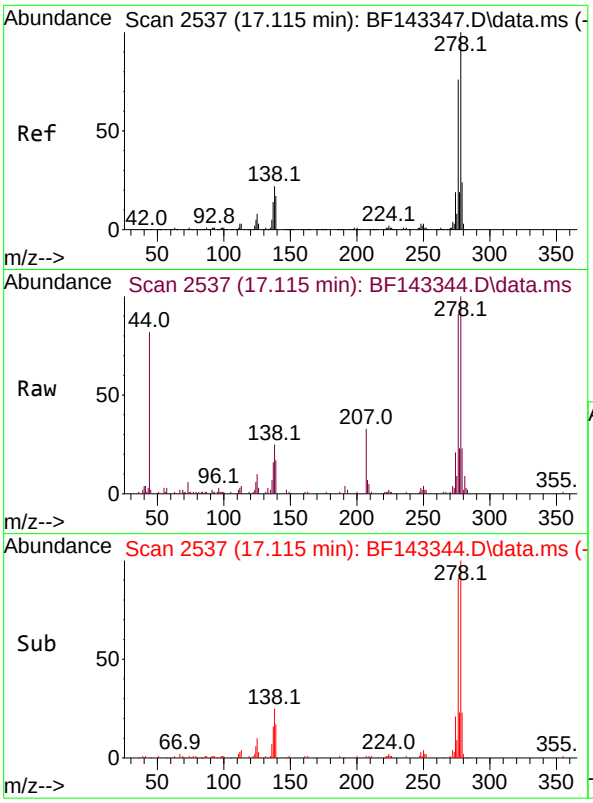


#90
Benzo(a)pyrene
Concen: 5.089 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:252 Resp: 66211

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4
125	11.3	9.1	13.7



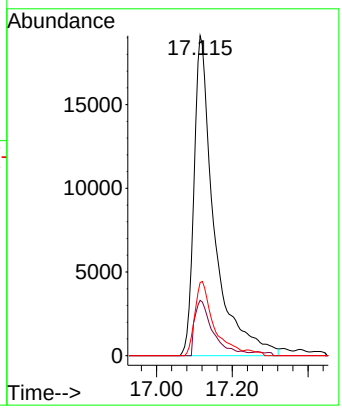


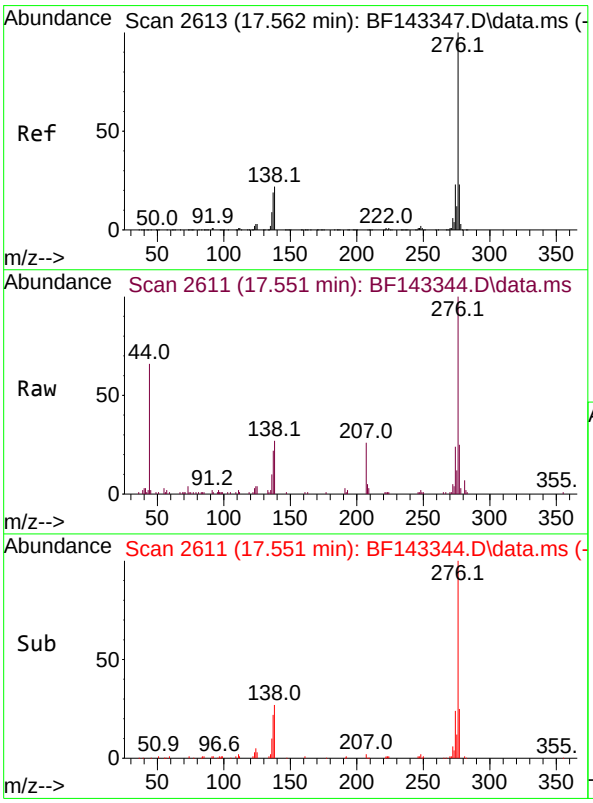
#91
Dibenzo(a,h)anthracene
Concen: 4.933 ng
RT: 17.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 71319

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	22.9	19.4	29.0

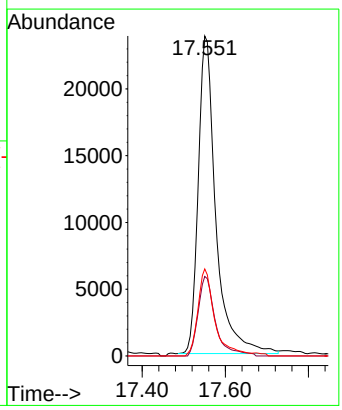




#92
Benzo(g,h,i)perylene
Concen: 4.806 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:276 Resp: 69991

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.7	28.1
138	27.2	17.8	26.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng		0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng		0.00
86) Perylene-d12	15.580	264	252284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	181196	20.231	ng		0.00
7) Phenol-d6	6.551	99	233168	20.301	ng		-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng		0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng		99
3) Pyridine	3.546	79	121796	9.862	ng		98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng		95
6) Aniline	6.587	93	165629	10.229	ng		98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng		97
9) Benzaldehyde	6.481	77	85899	11.315	ng		99
10) Phenol	6.569	94	138719	10.195	ng		94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng		99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng		99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng		97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng		99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng		96
17) 2-Methylphenol	7.175	107	80378	9.950	ng		99
18) Hexachloroethane	7.445	117	33555	9.660	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng		95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	#	85
22) Acetophenone	7.328	105	144189	10.840	ng		98
24) Nitrobenzene	7.504	77	99226	9.425	ng		98
25) Isophorone	7.739	82	199699	10.091	ng		98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng		98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng		99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng		98
31) Naphthalene	8.233	128	308901	10.634	ng		98
32) Benzoic acid	7.939	122	20894m	10.319	ng		
33) 4-Chloroaniline	8.275	127	105601	10.079	ng		99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng		99
35) Caprolactam	8.610	113	18357	8.098	ng		93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng		96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng		100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng		100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng		99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng		100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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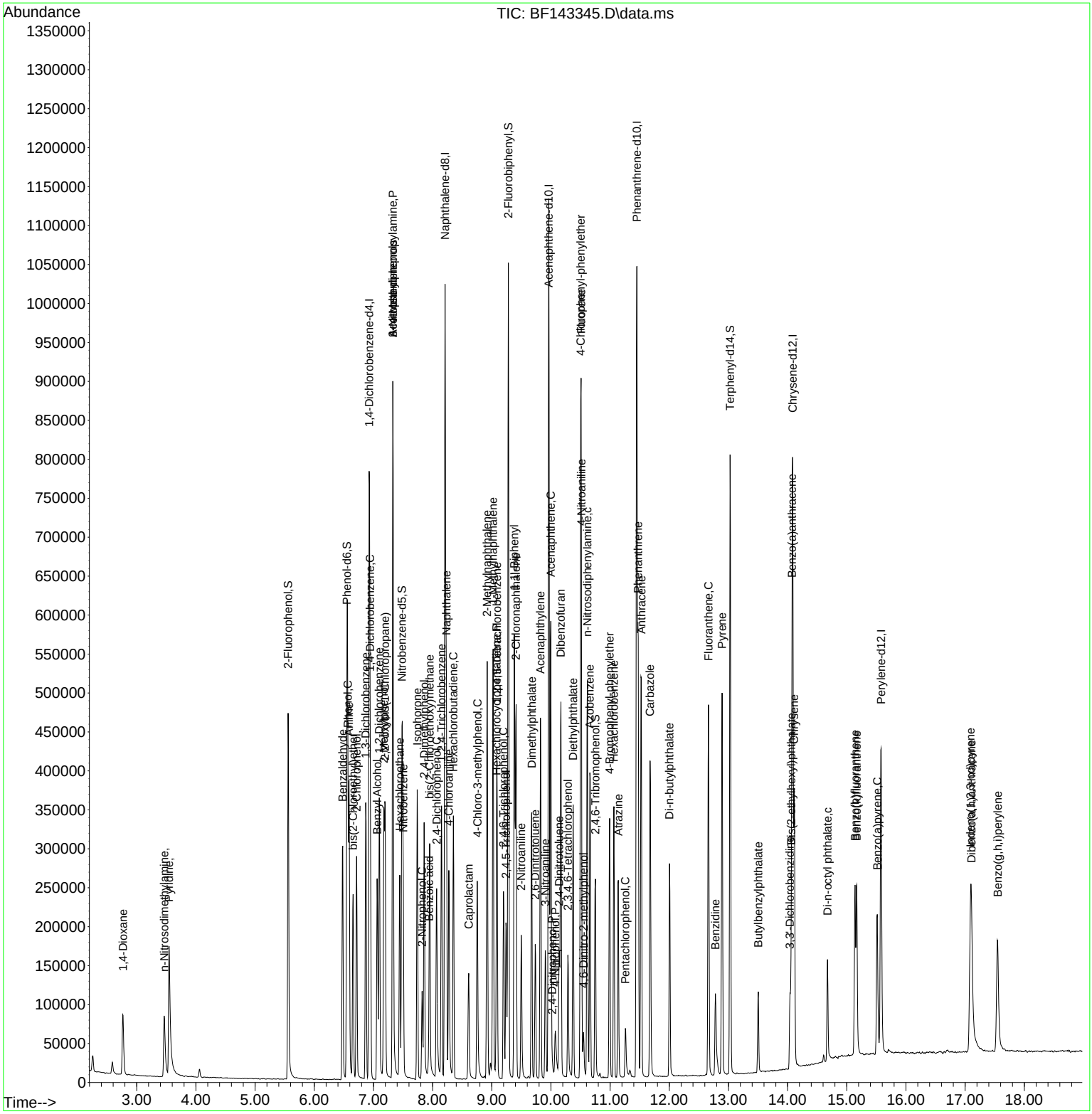
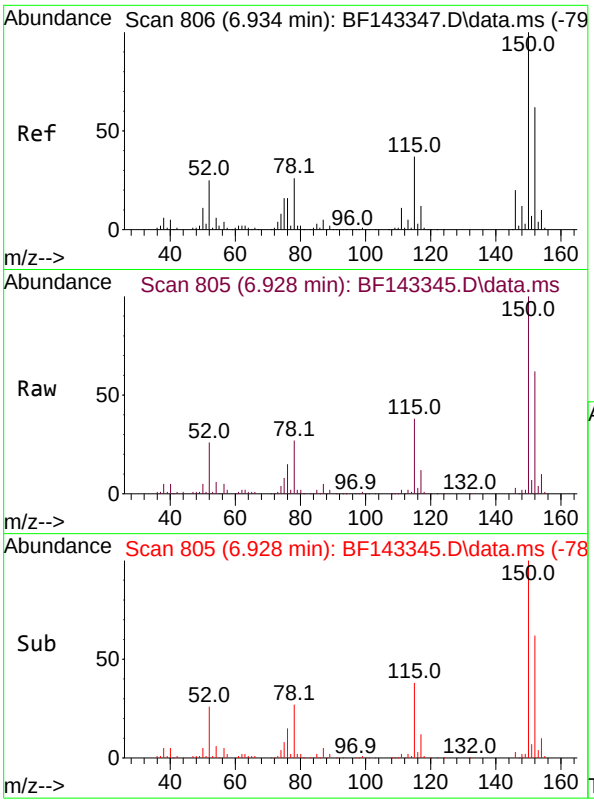
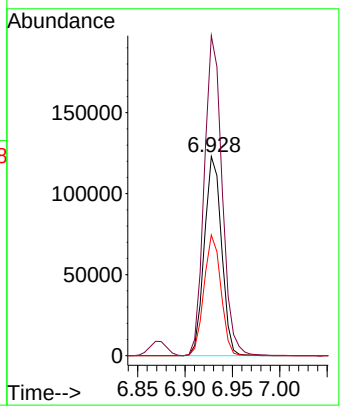




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:152 Resp: 15488

Ion	Ratio	Lower	Upper
152	100		
150	160.6	129.8	194.8
115	60.6	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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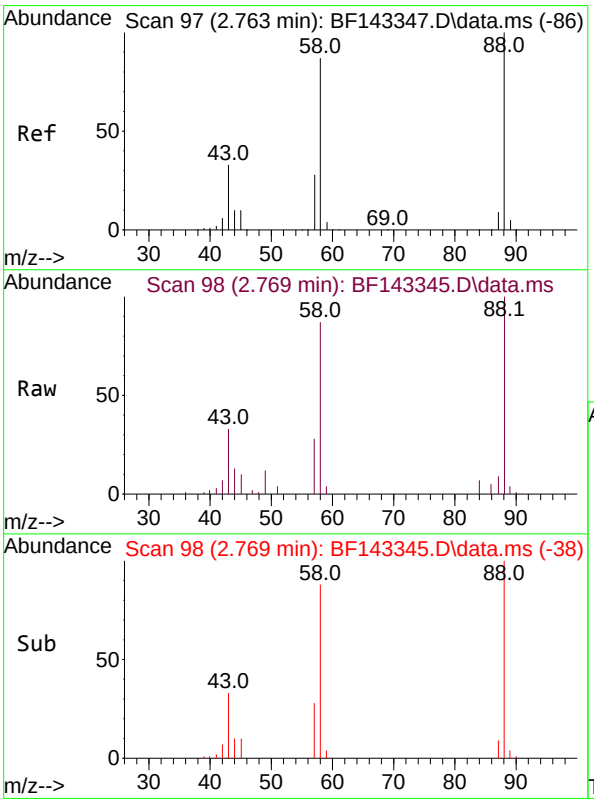
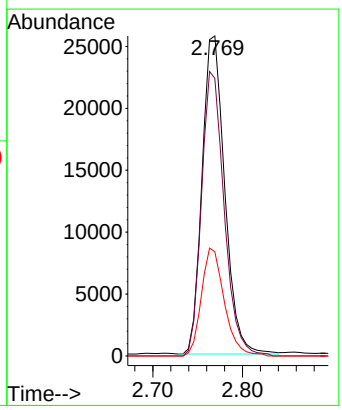
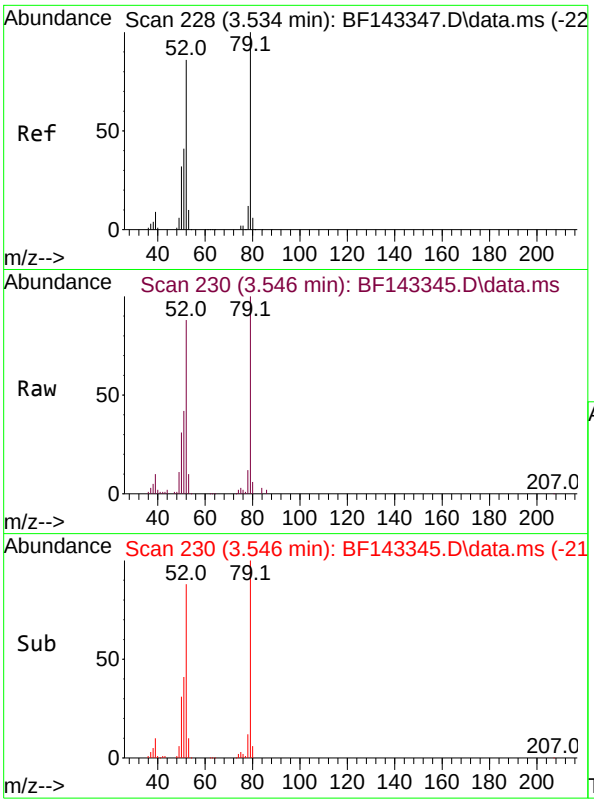


#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 88 Resp: 45069

Ion	Ratio	Lower	Upper
88	100		
58	89.2	71.0	106.6
43	34.2	27.0	40.6

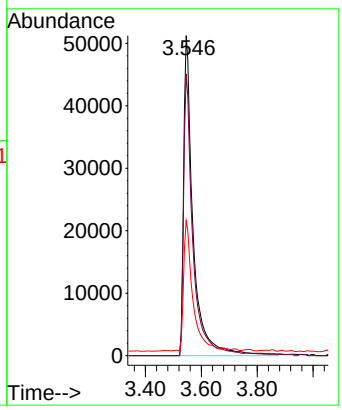




#3
Pyridine
Concen: 9.862 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 79 Resp: 12179

Ion	Ratio	Lower	Upper
79	100		
52	88.0	68.7	103.1
51	42.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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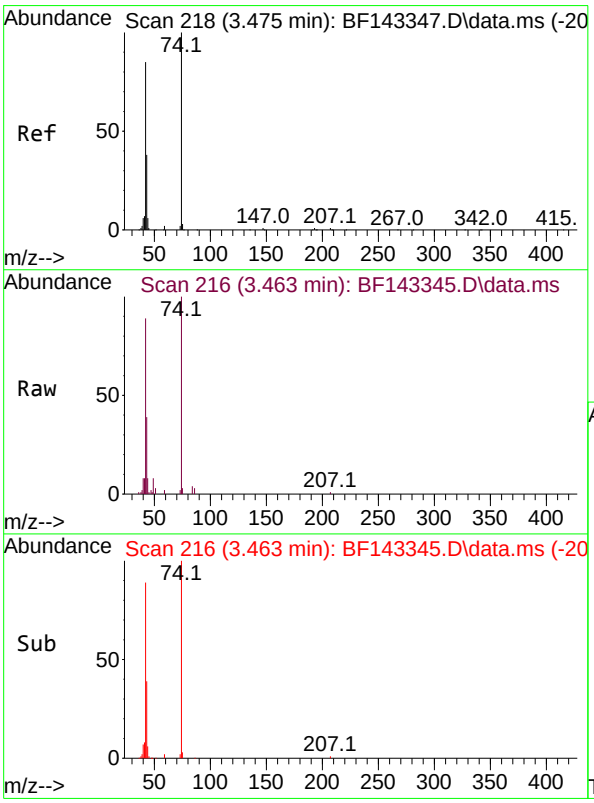
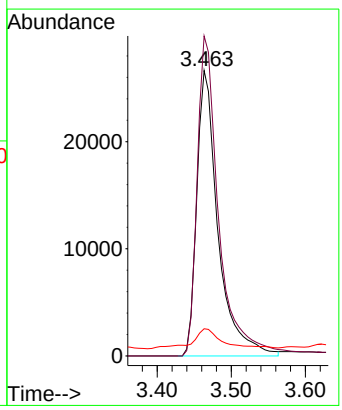
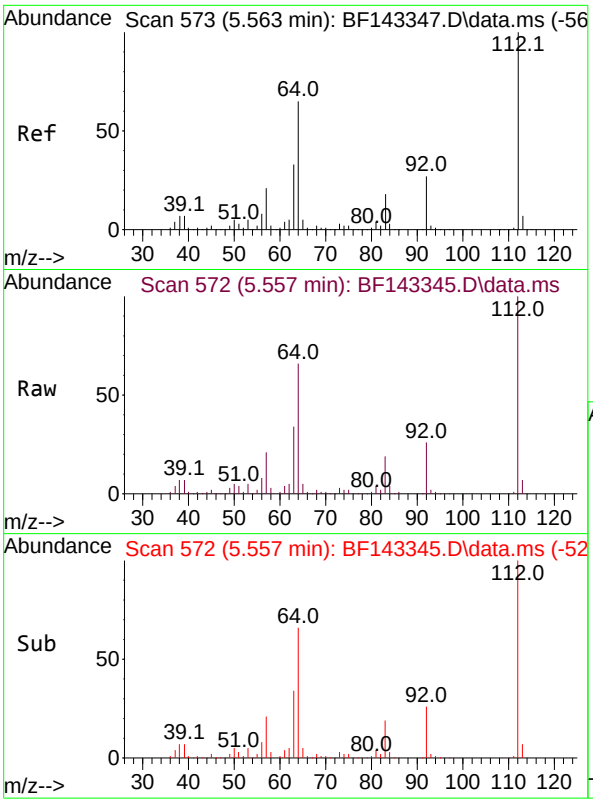


#4
n-Nitrosodimethylamine
Concen: 9.239 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 42 Resp: 53152

Ion	Ratio	Lower	Upper
42	100		
74	112.1	94.1	141.1
44	9.5	6.5	9.7

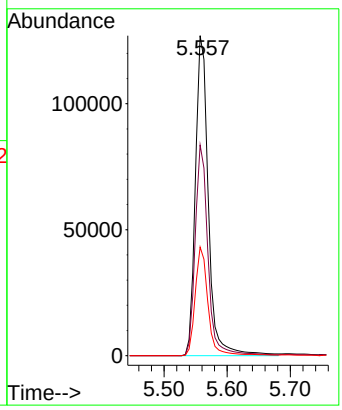




#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:112 Resp: 18119

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.1	78.1
63	33.9	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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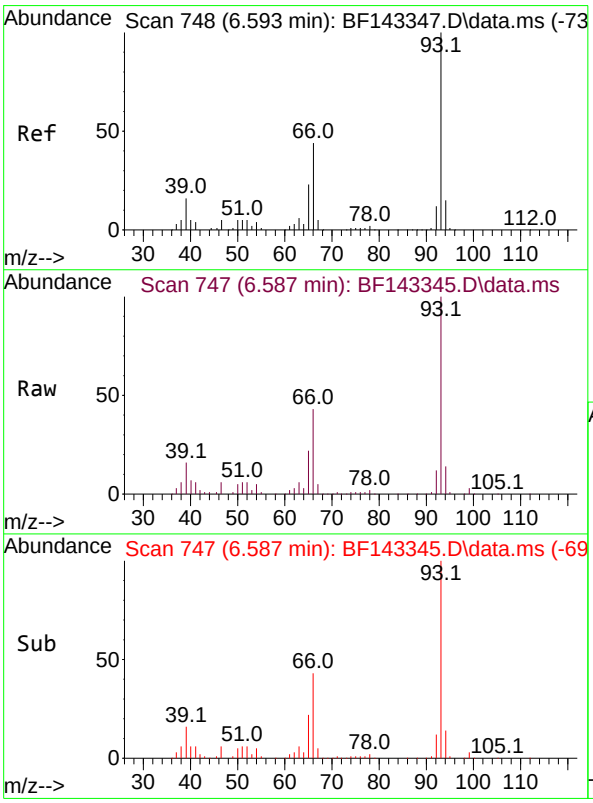
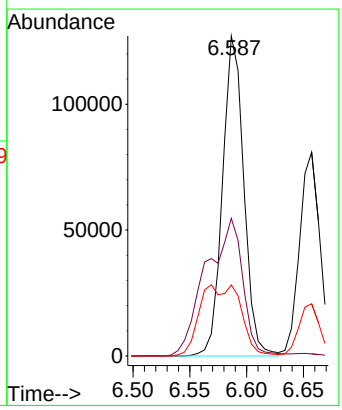
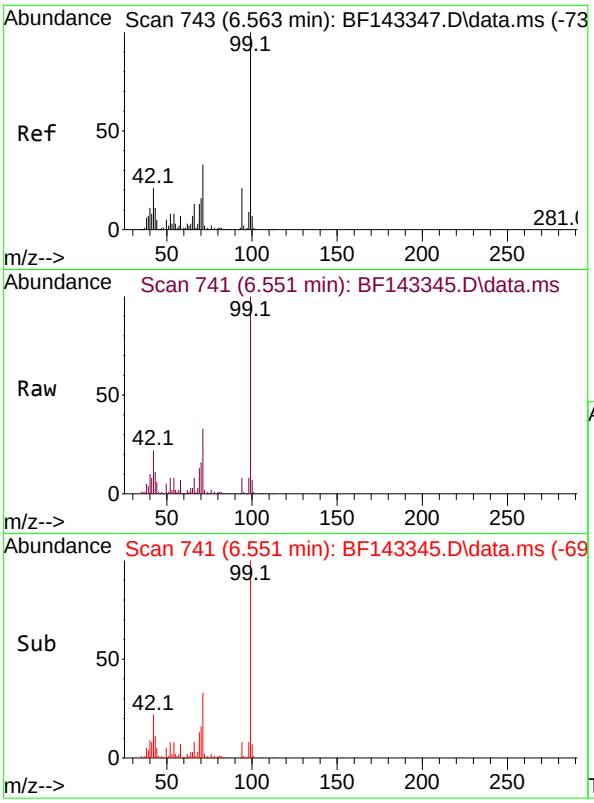


#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 165629

Ion	Ratio	Lower	Upper
93	100		
66	43.0	35.3	52.9
65	22.2	18.2	27.4

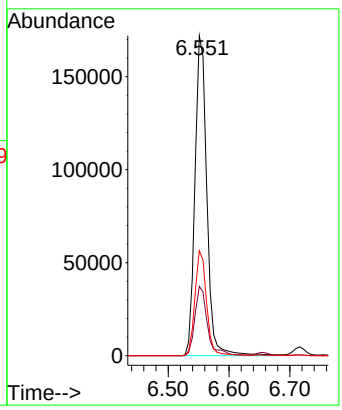




#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 99 Resp: 23316

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	25.0
71	32.8	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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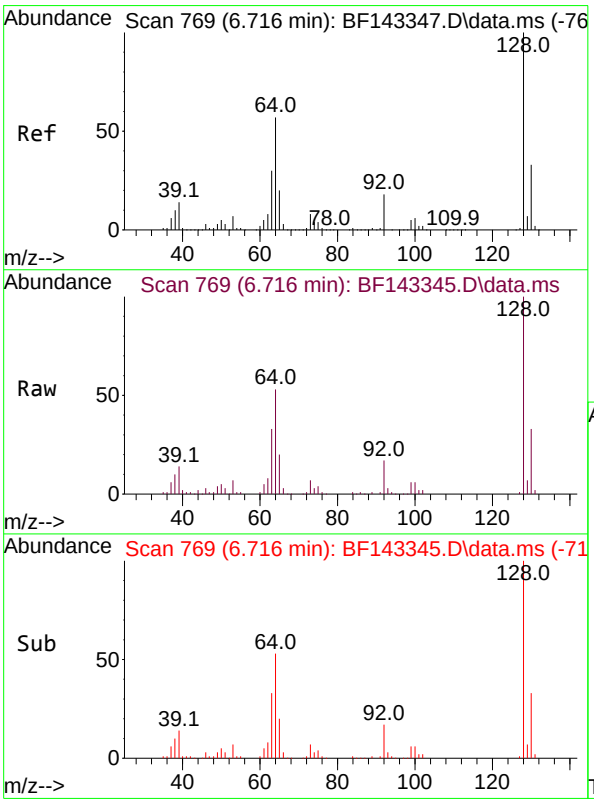
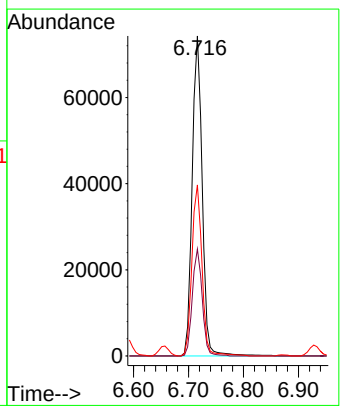
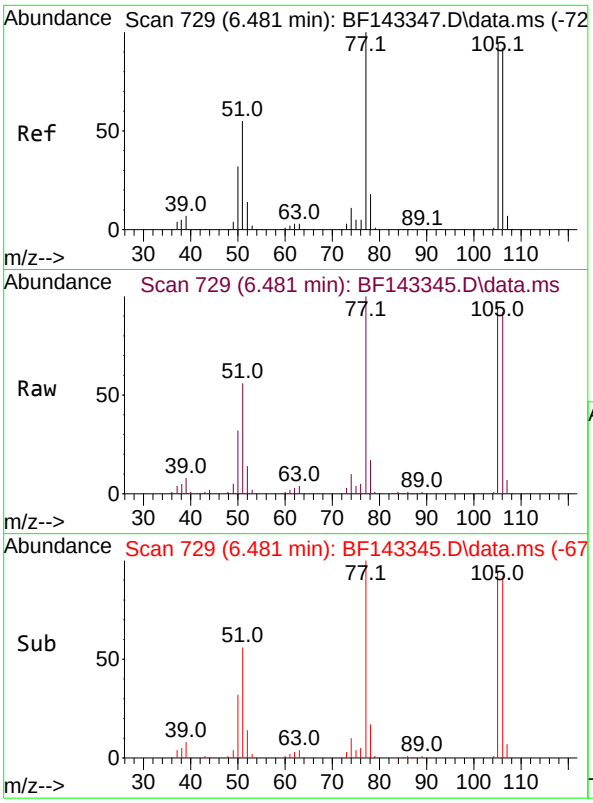


#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:128 Resp: 94079

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	53.4	36.7	76.7

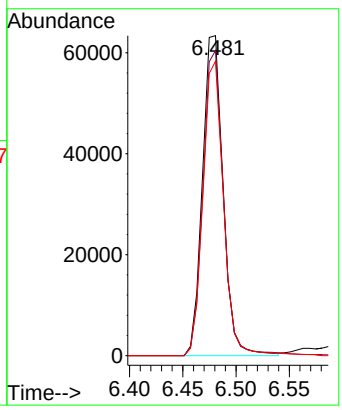




#9
Benzaldehyde
Concen: 11.315 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 8589

Ion	Ratio	Lower	Upper
77	100		
105	95.4	74.2	114.2
106	92.0	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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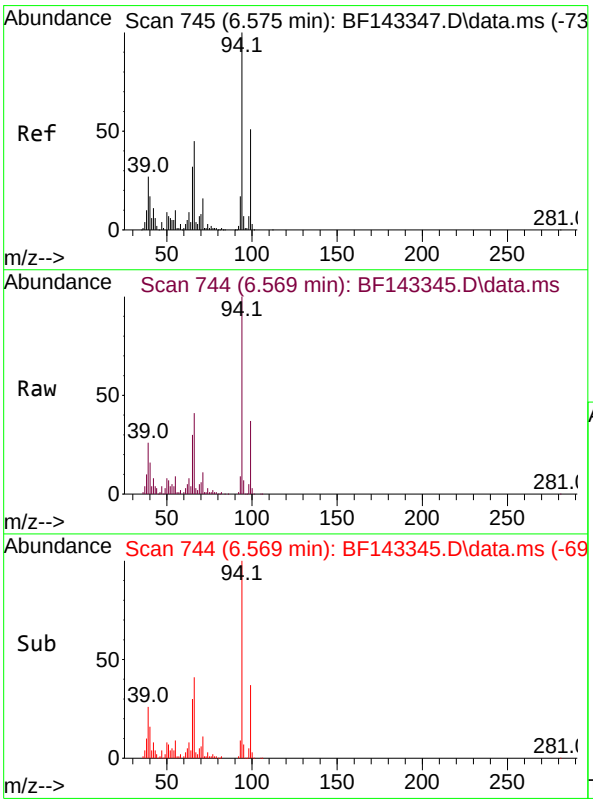
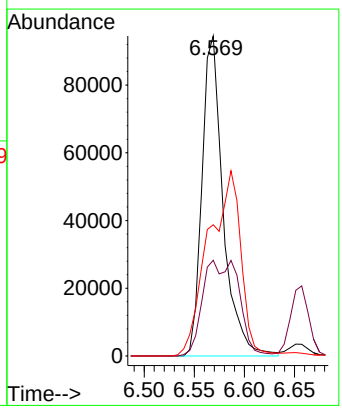
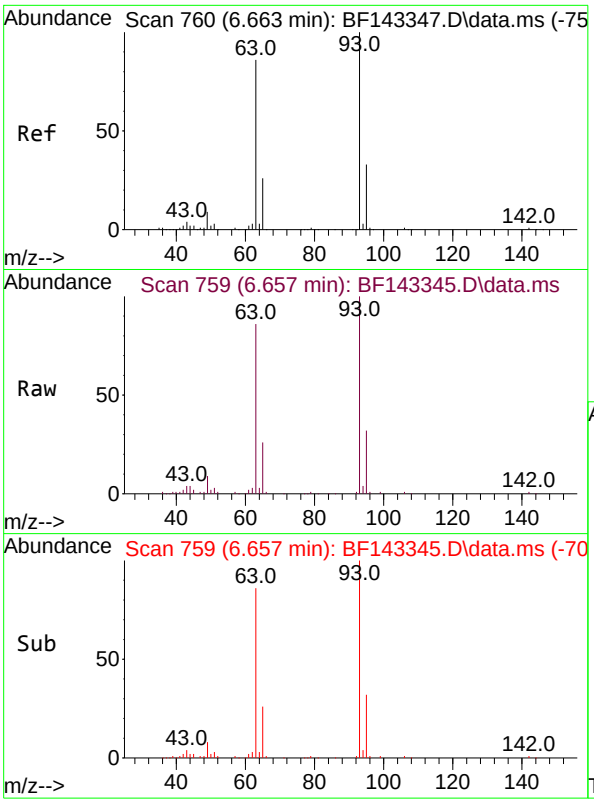


#10
Phenol
Concen: 10.195 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 94 Resp: 138719

Ion	Ratio	Lower	Upper
94	100		
65	29.9	12.0	52.0
66	41.0	25.6	65.6

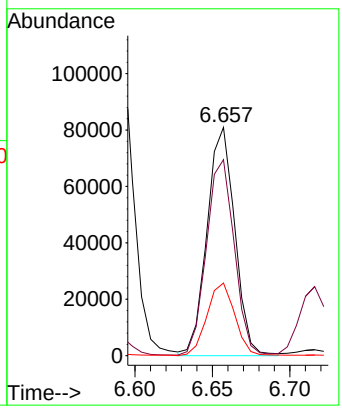




#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 10095

Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.7	105.7
95	31.8	13.0	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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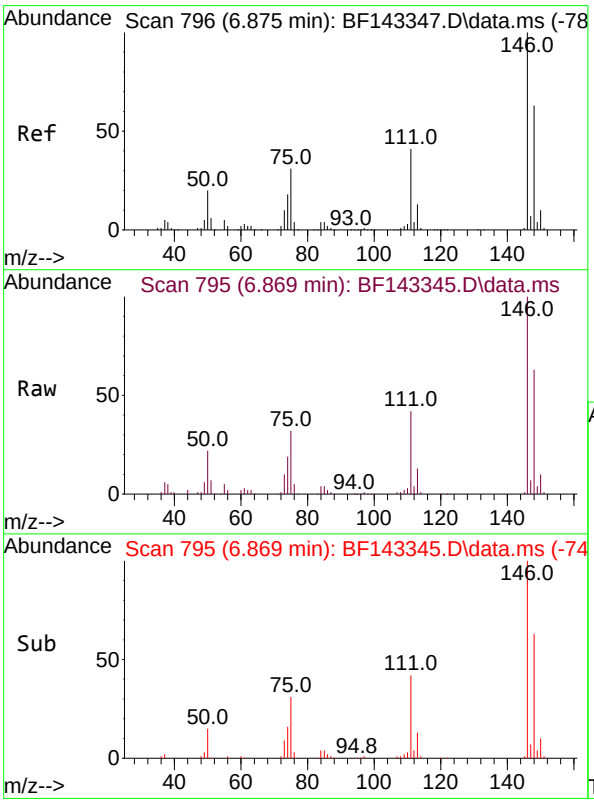
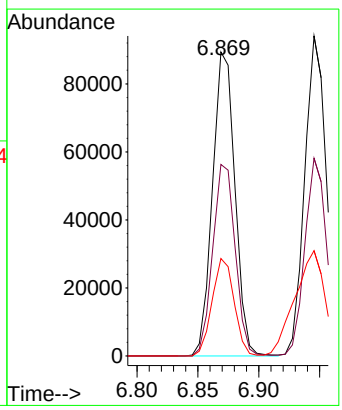
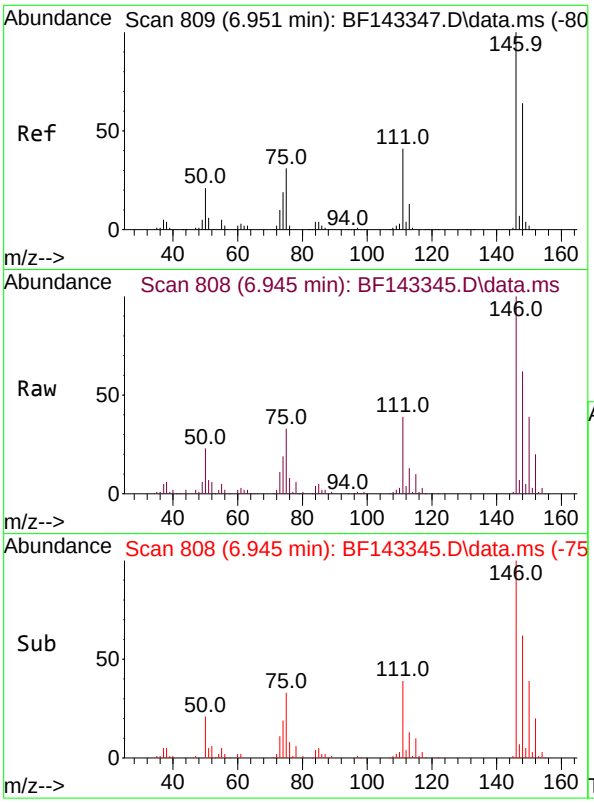


#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 114502

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
75	32.1	24.9	37.3

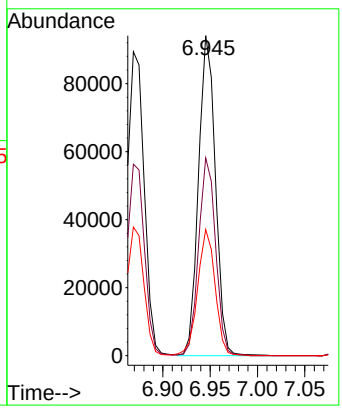




#13
1,4-Dichlorobenzene
Concen: 10.555 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 11694

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.4	77.0
111	39.4	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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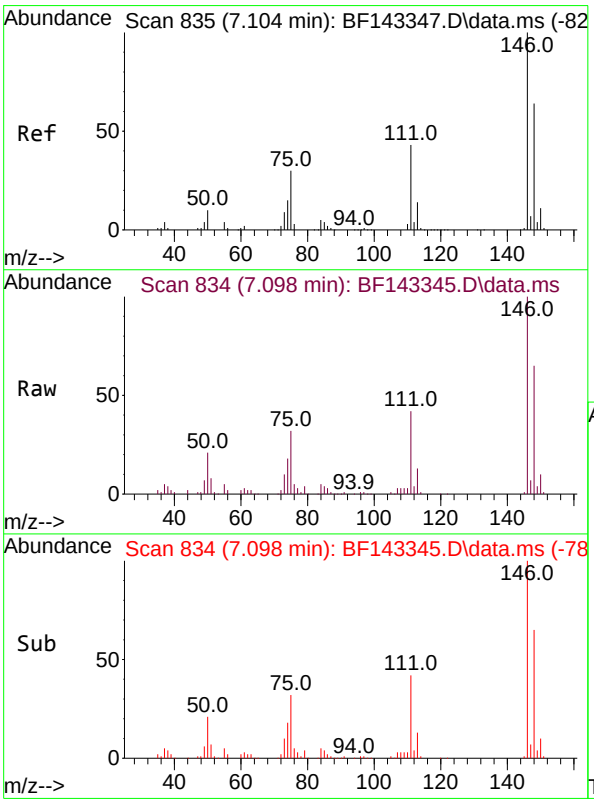
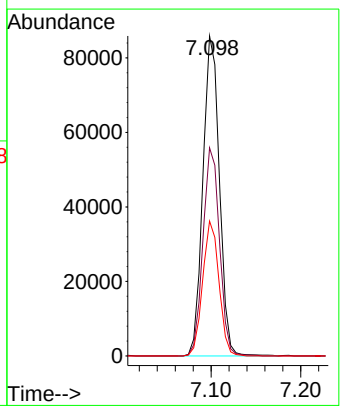
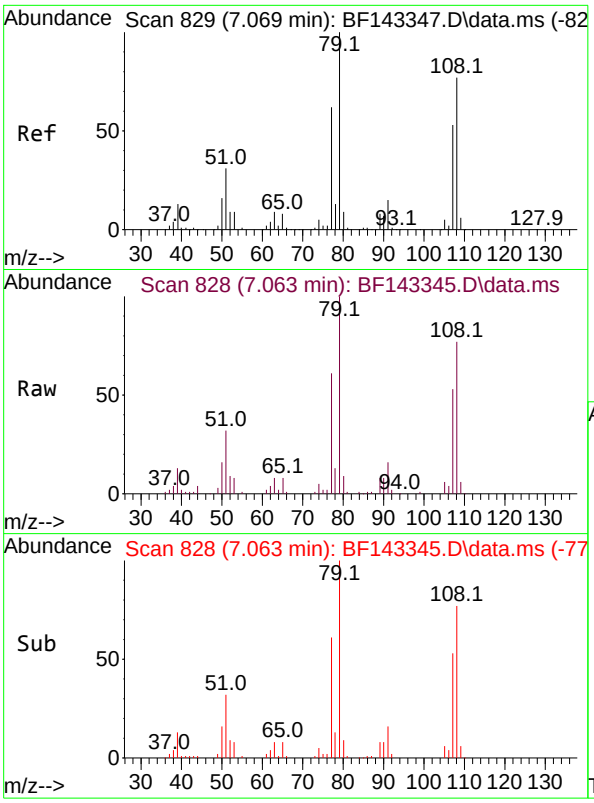


#14
1,2-Dichlorobenzene
Concen: 10.425 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 109638

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	42.2	34.1	51.1





#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 79 Resp: 7589

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8

Instrument :
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ClientSampleId :
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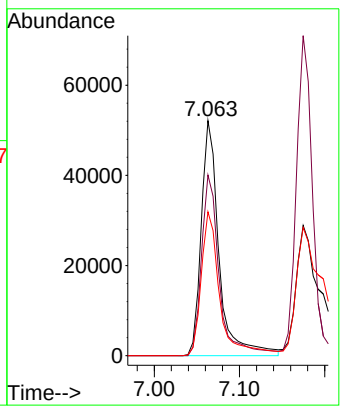
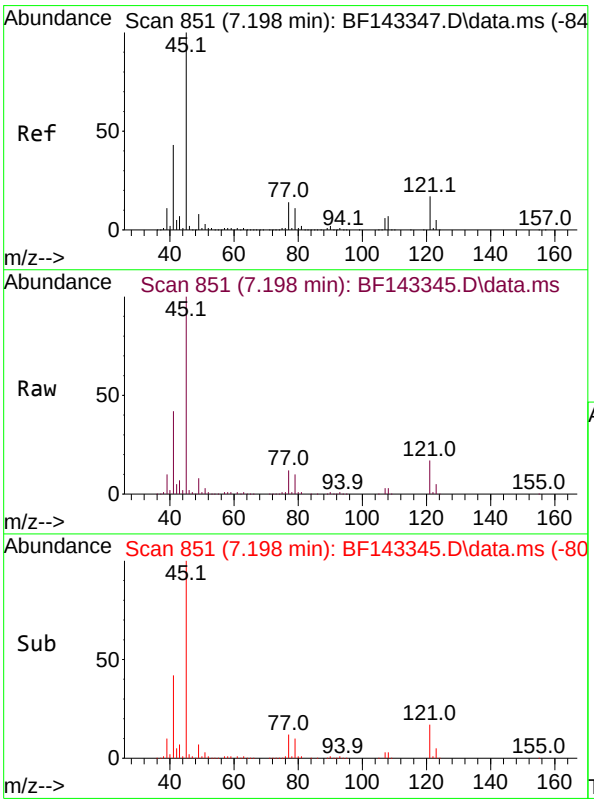
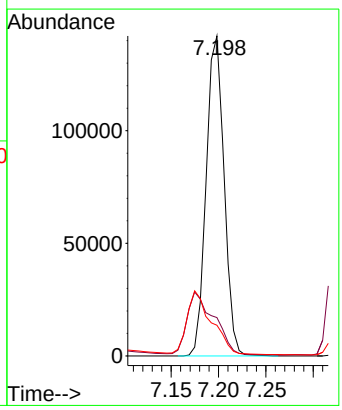


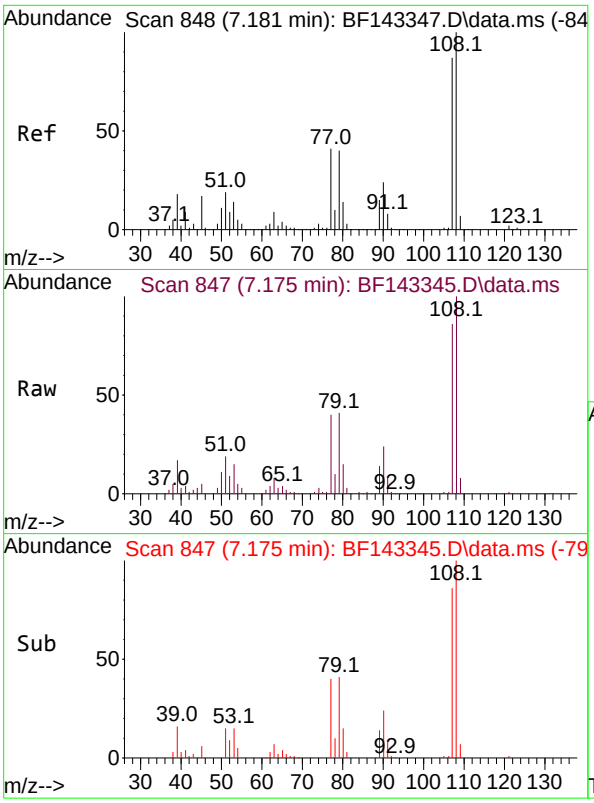


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 45 Resp: 186451

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1

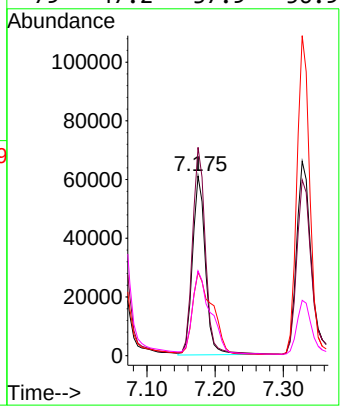




#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 8037

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.0	138.0
77	46.5	38.2	57.2
79	47.2	37.9	56.9



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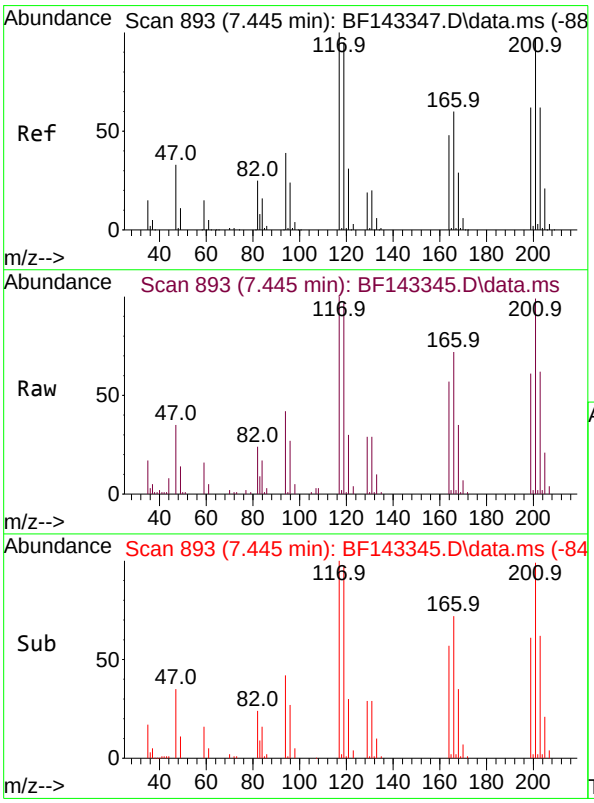
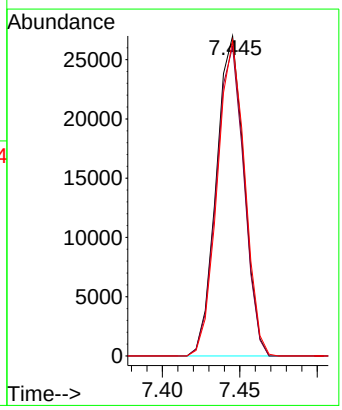
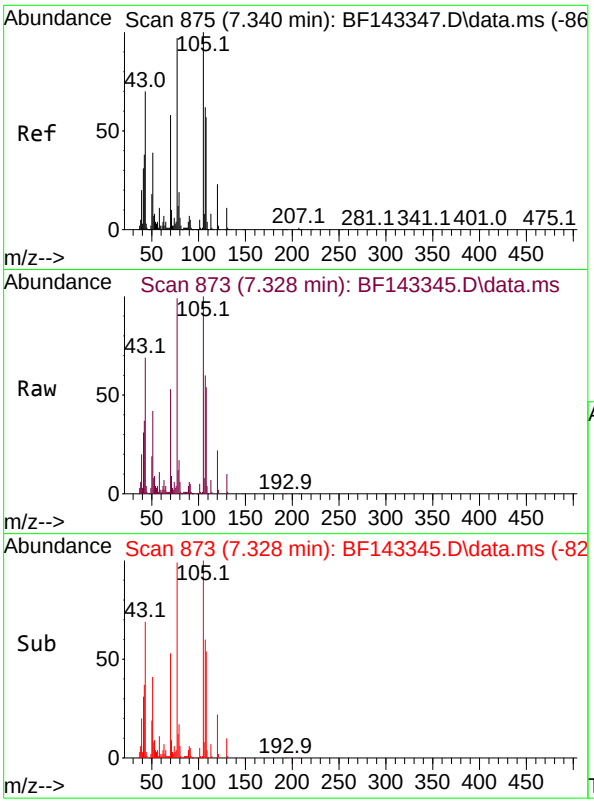


#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:117 Resp: 33555

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	98.6	77.2	115.8

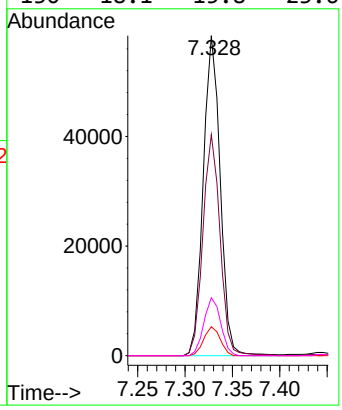




#19
n-Nitroso-di-n-propylamine
Concen: 10.275 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 70 Resp: 7292

Ion	Ratio	Lower	Upper
70	100		
42	69.0	51.6	77.4
101	9.1	7.5	11.3
130	18.1	15.8	23.6



Instrument :
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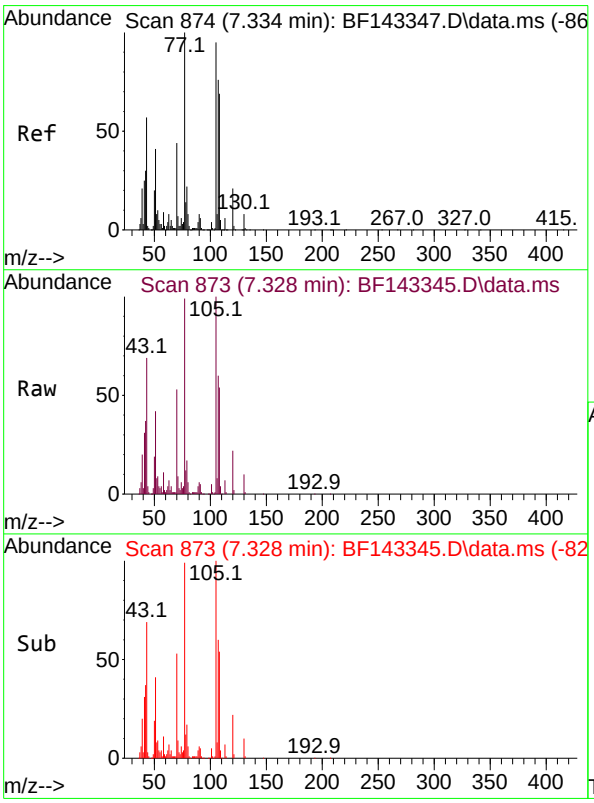
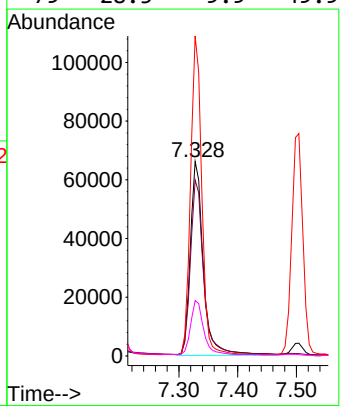
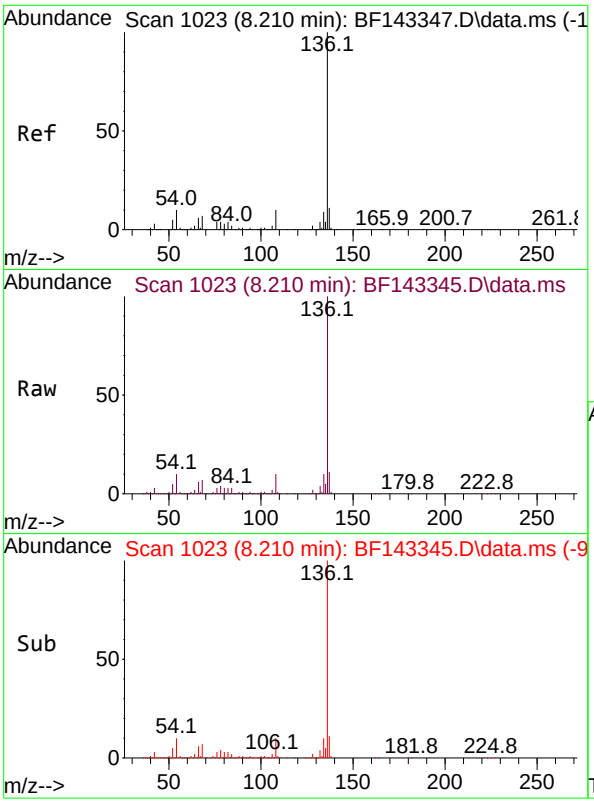


#20
3+4-Methylphenols
Concen: 10.548 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 103058

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.6	110.6
77	164.6	112.0	152.0#
79	28.5	9.9	49.9

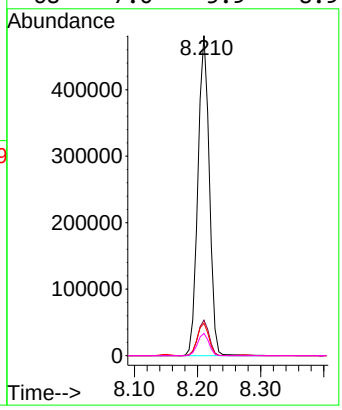




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:136 Resp: 60368

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	8.4	12.6
68	7.0	5.9	8.9



Instrument :
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ClientSampleId :
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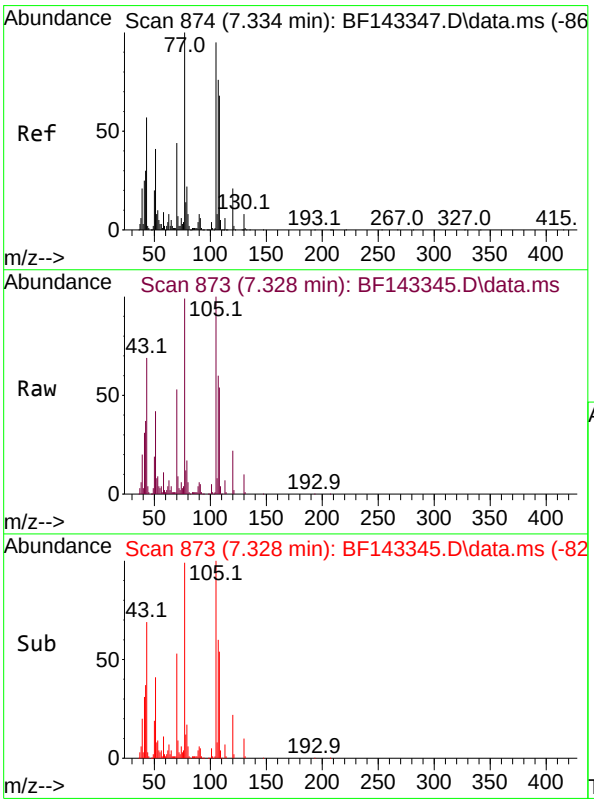
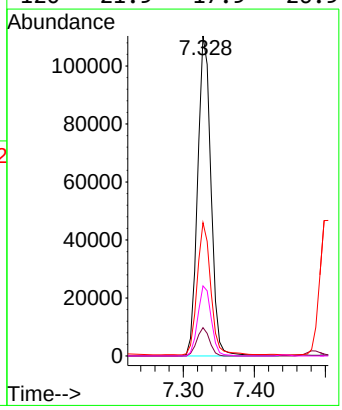
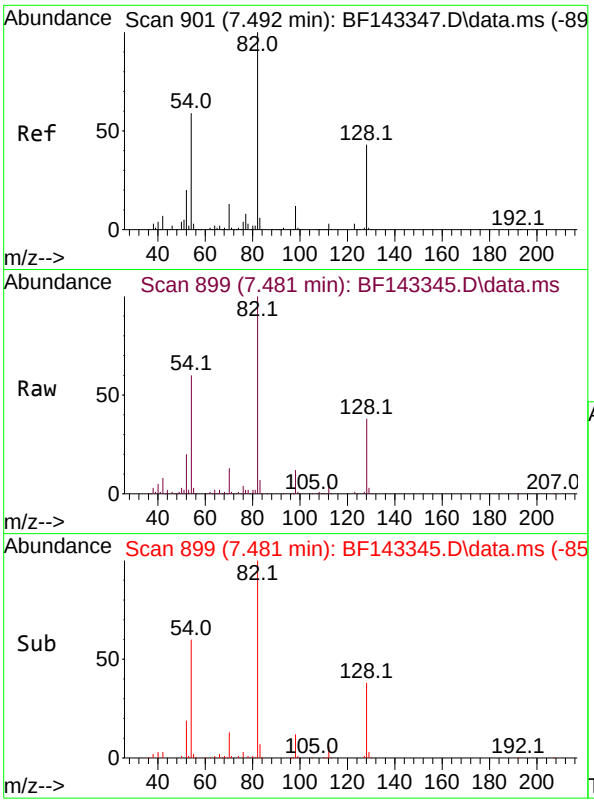


#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:105 Resp: 144189

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	41.6	34.8	52.2
120	21.9	17.9	26.9

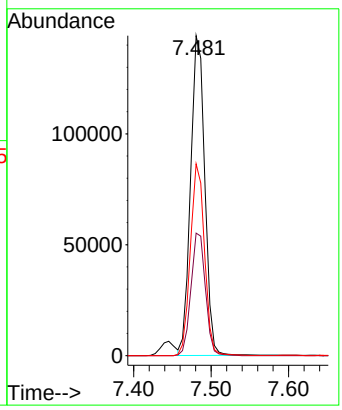




#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 82 Resp: 18345

Ion	Ratio	Lower	Upper
82	100		
128	38.3	33.5	50.3
54	60.0	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
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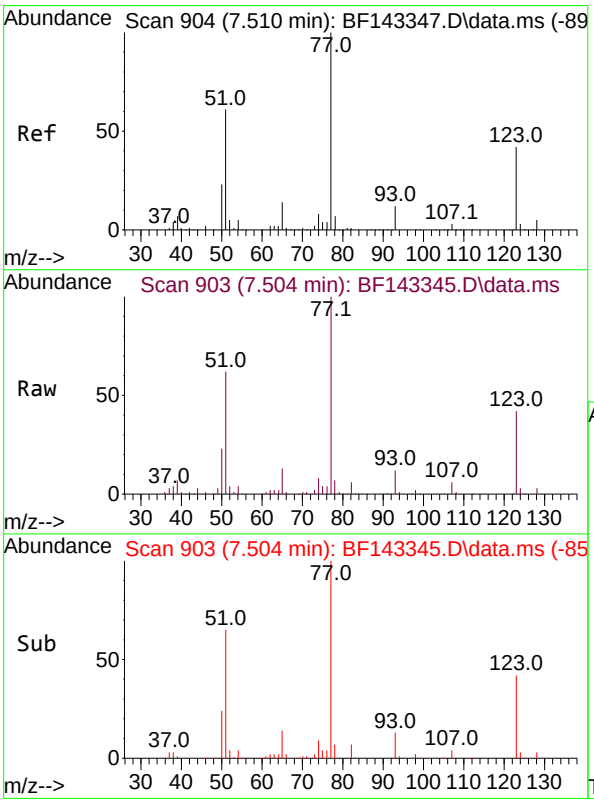
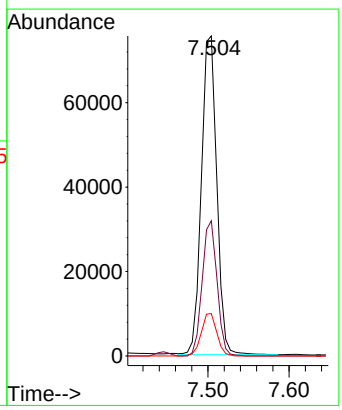
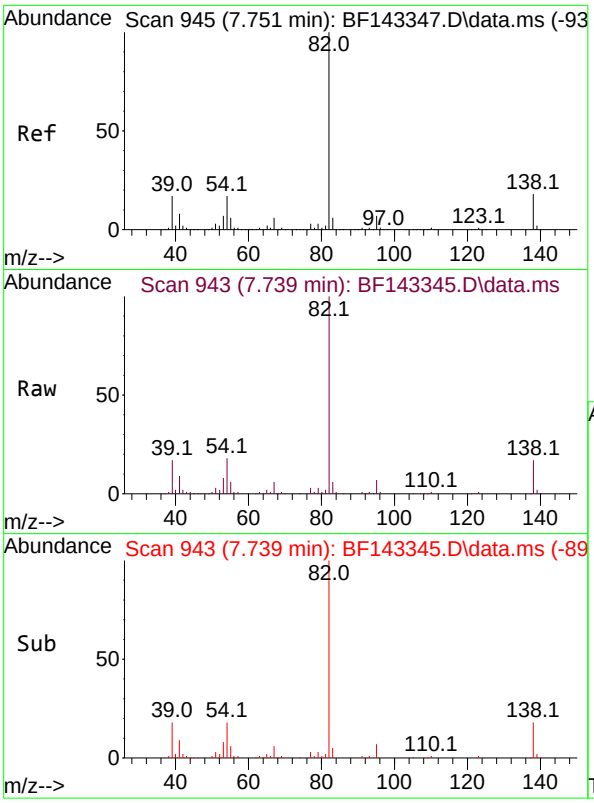


#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 99226

Ion	Ratio	Lower	Upper
77	100		
123	42.3	34.8	52.2
65	13.2	11.0	16.6

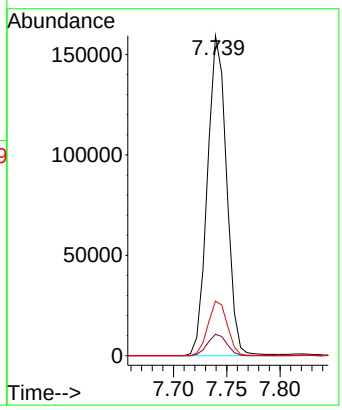




#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 82 Resp: 199699

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
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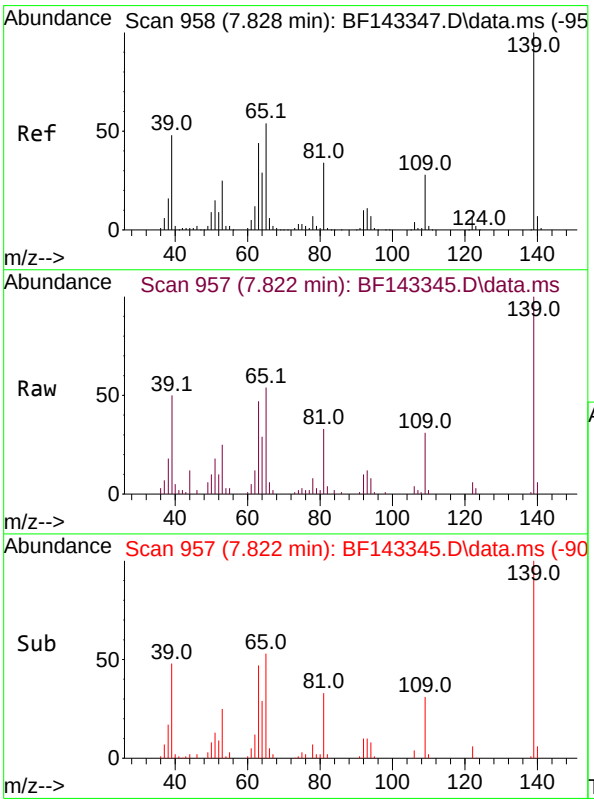
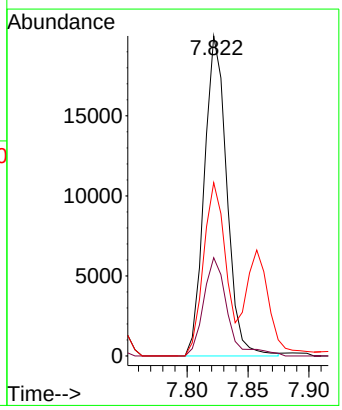
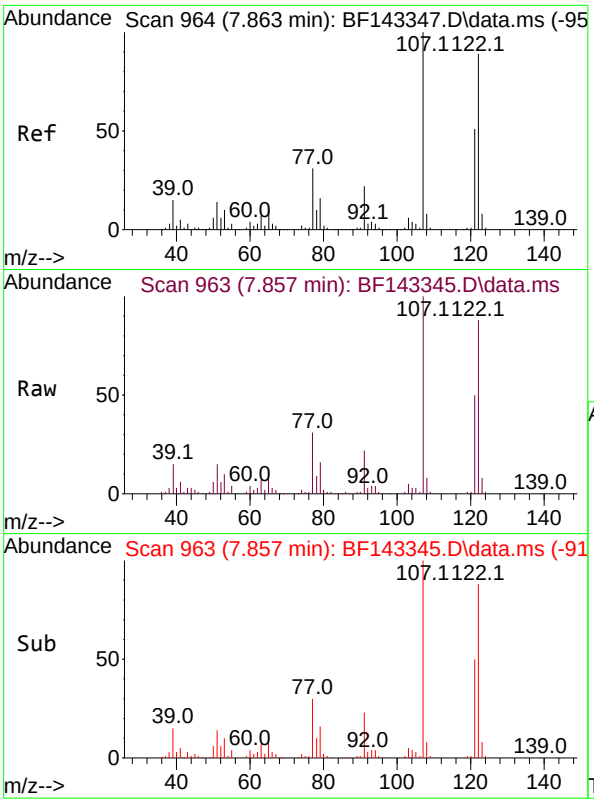


#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 25672

Ion	Ratio	Lower	Upper
139	100		
109	30.7	22.4	33.6
65	54.1	42.9	64.3

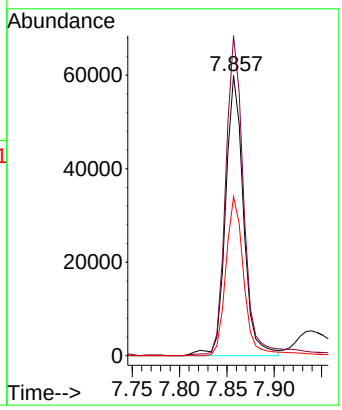




#27
2,4-Dimethylphenol
Concen: 9.553 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 7887

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4



Instrument :
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ClientSampleId :
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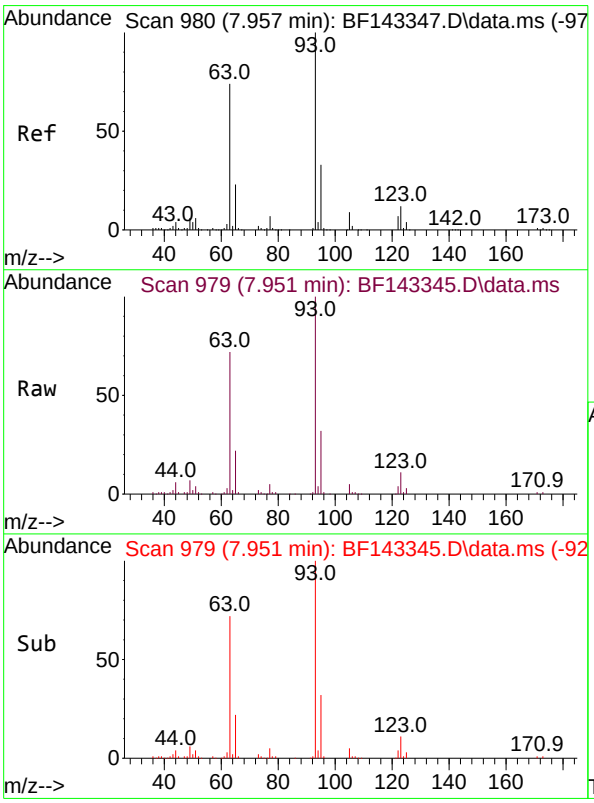
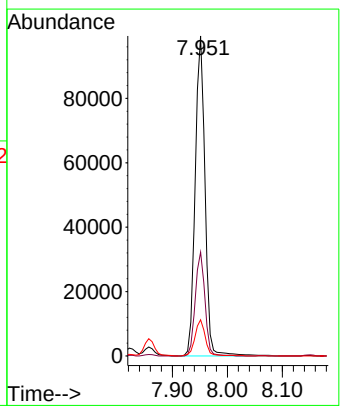
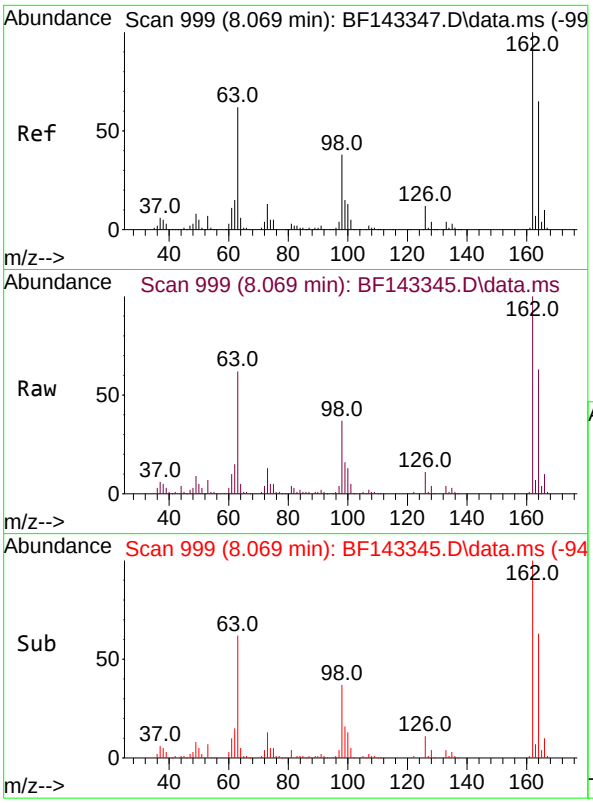


#28
bis(2-Chloroethoxy)methane
Concen: 10.232 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 123627

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2

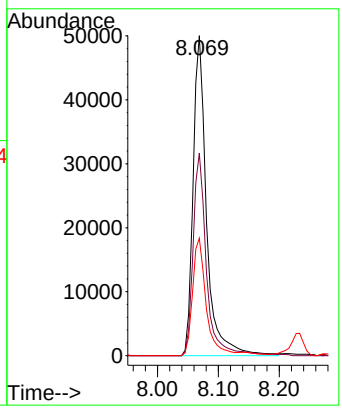




#29
2,4-Dichlorophenol
Concen: 9.568 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:162 Resp: 7715

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.5	84.5
98	36.7	17.7	57.7



Instrument :
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ClientSampleId :
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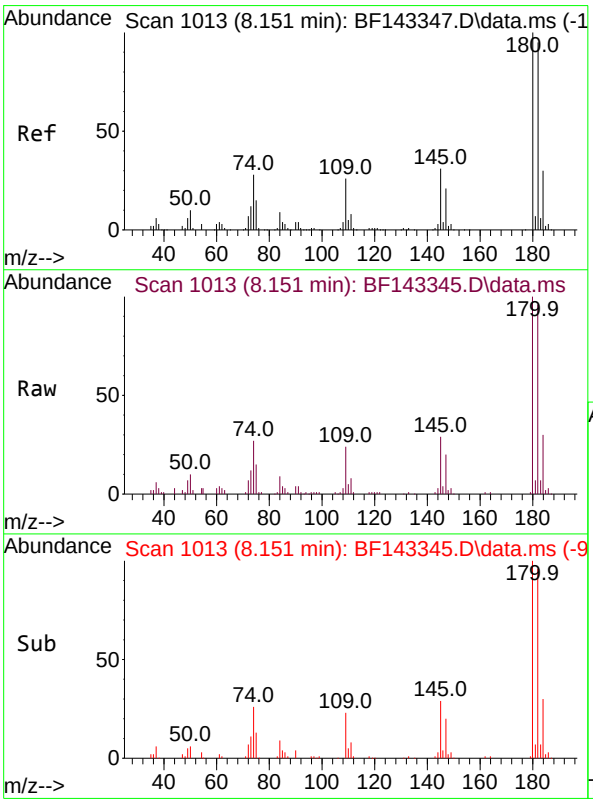
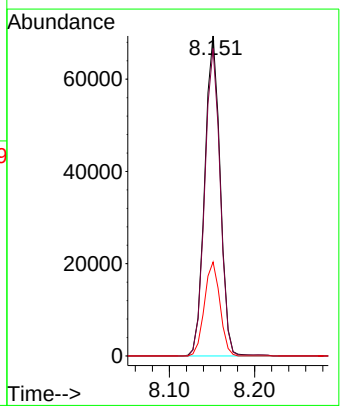
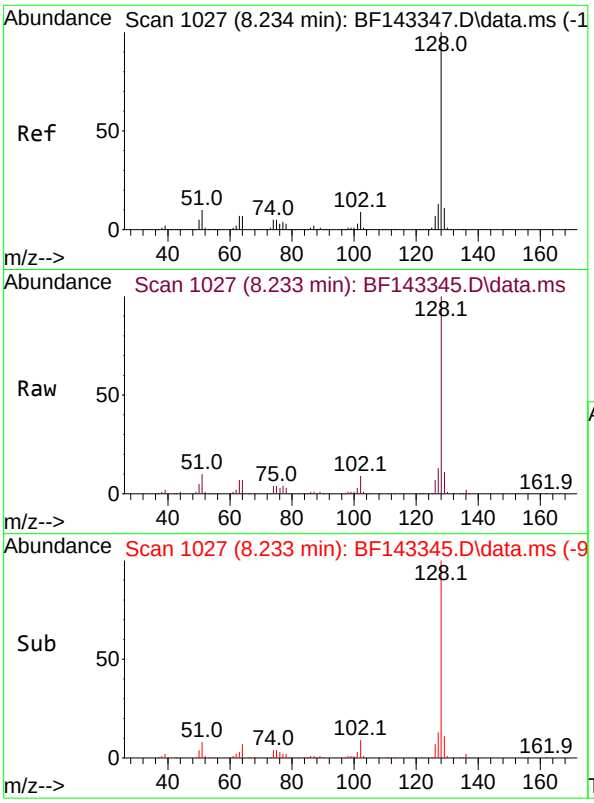


#30
1,2,4-Trichlorobenzene
Concen: 10.274 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:180 Resp: 87392

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	29.4	24.9	37.3

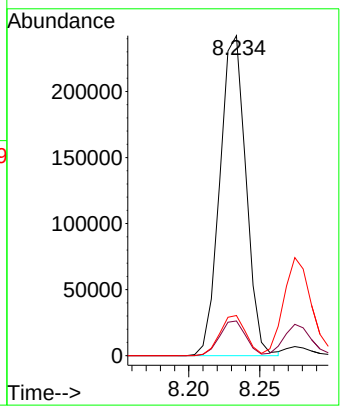




#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:128 Resp: 30890

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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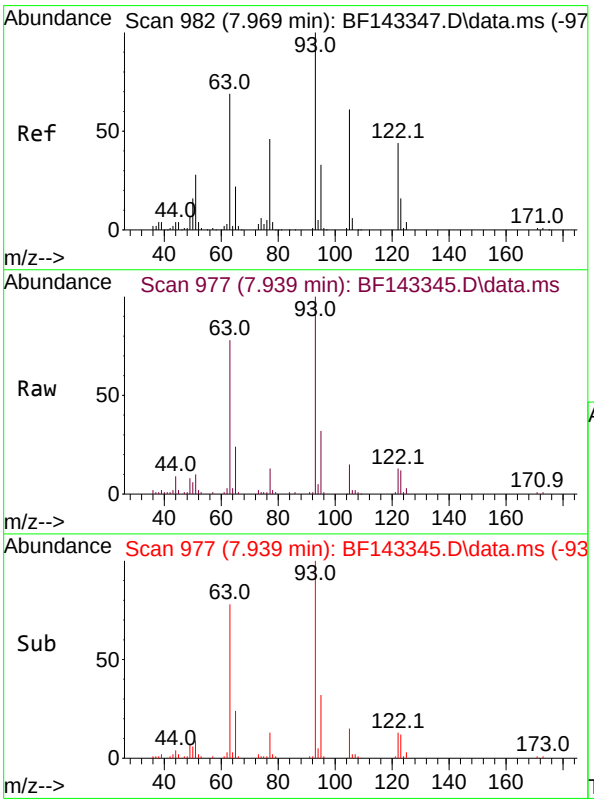
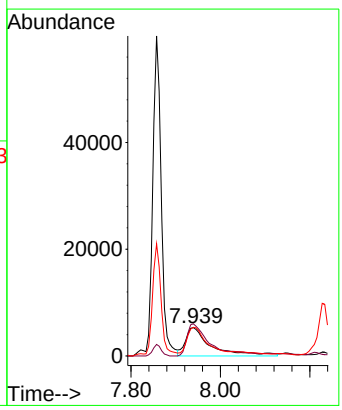
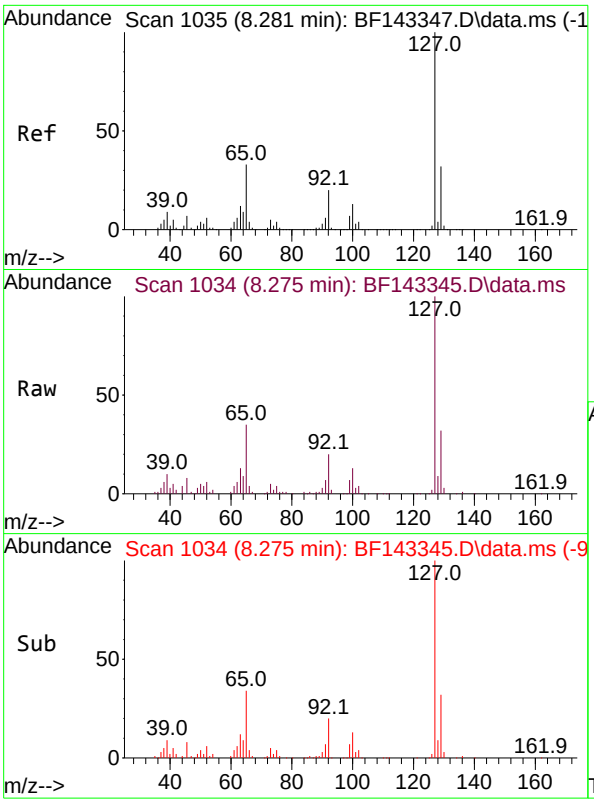


#32
Benzoic acid
Concen: 10.319 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 20894

Ion	Ratio	Lower	Upper
122	100		
105	113.7	106.4	146.4
77	101.1	79.2	119.2

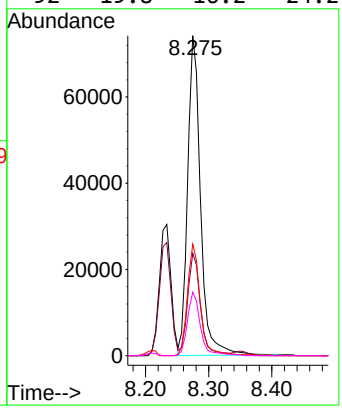




#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:127 Resp: 10560

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2



Instrument :
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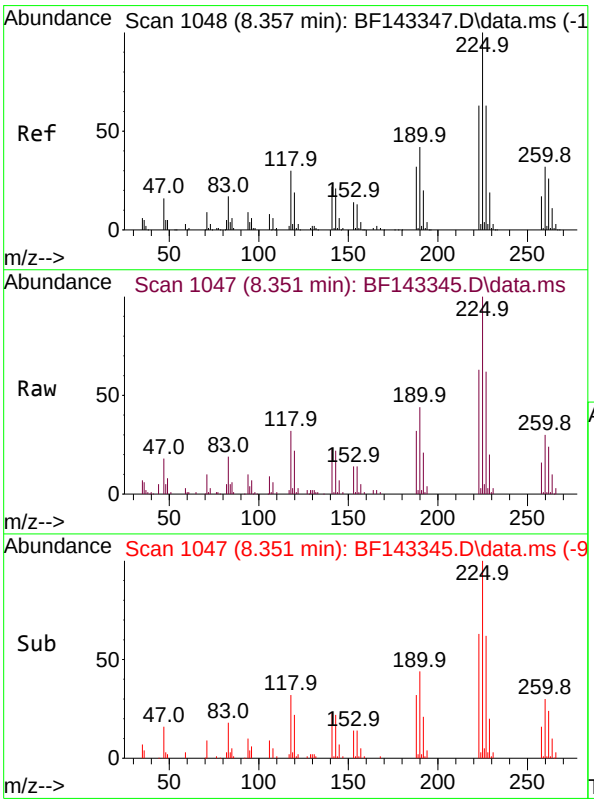
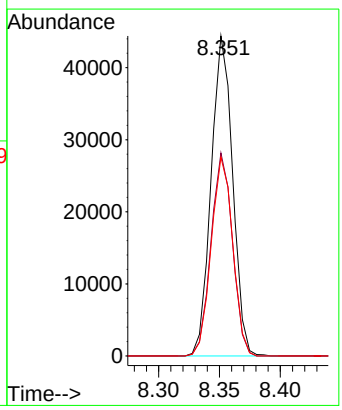
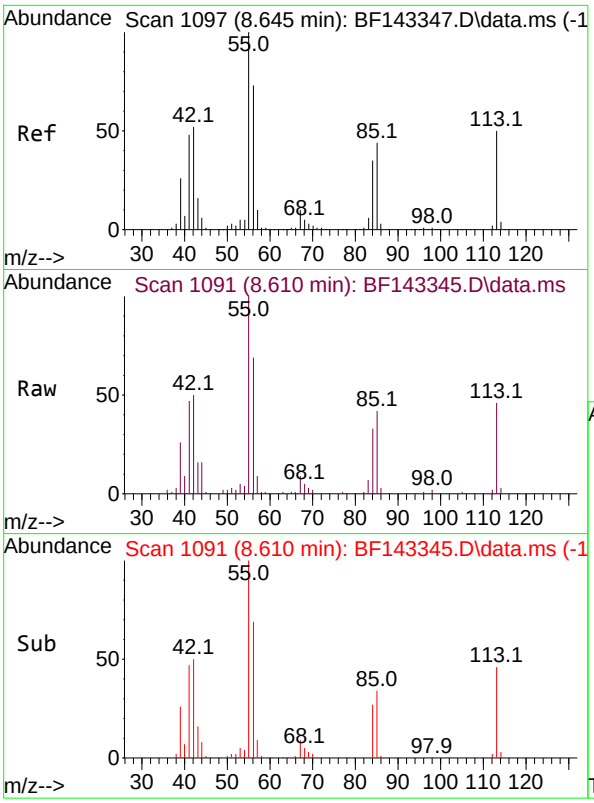


#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:225 Resp: 54615

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8

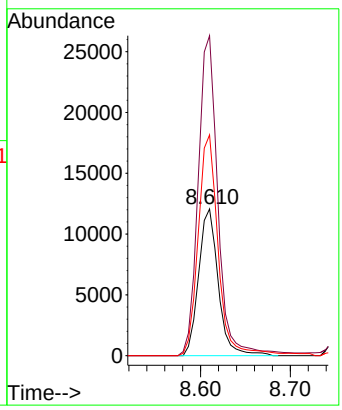




#35
Caprolactam
Concen: 8.098 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:113 Resp: 1835

Ion	Ratio	Lower	Upper
113	100		
55	218.1	181.4	221.4
56	150.5	127.3	167.3



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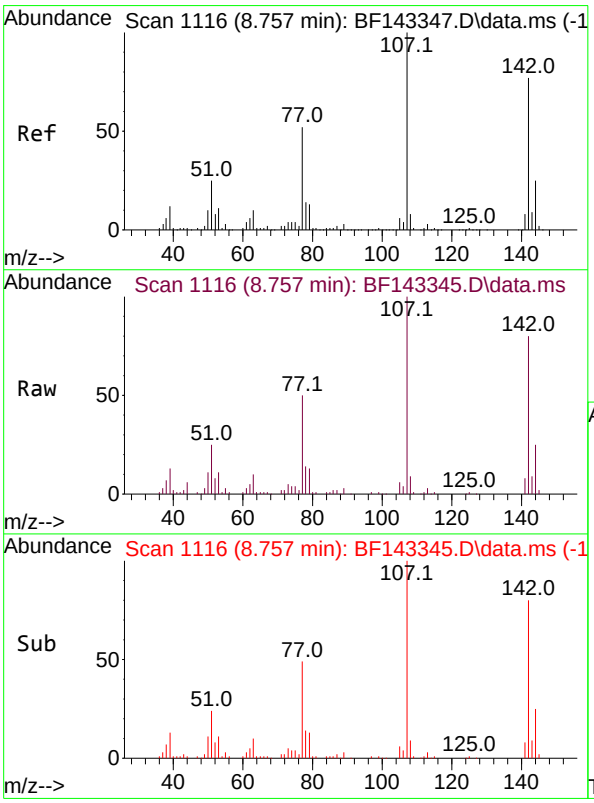
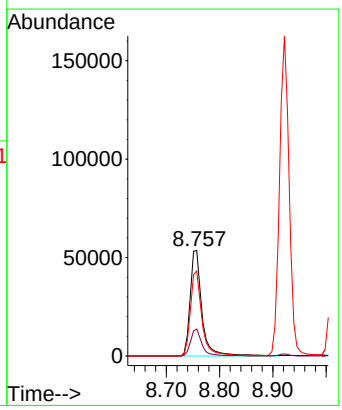
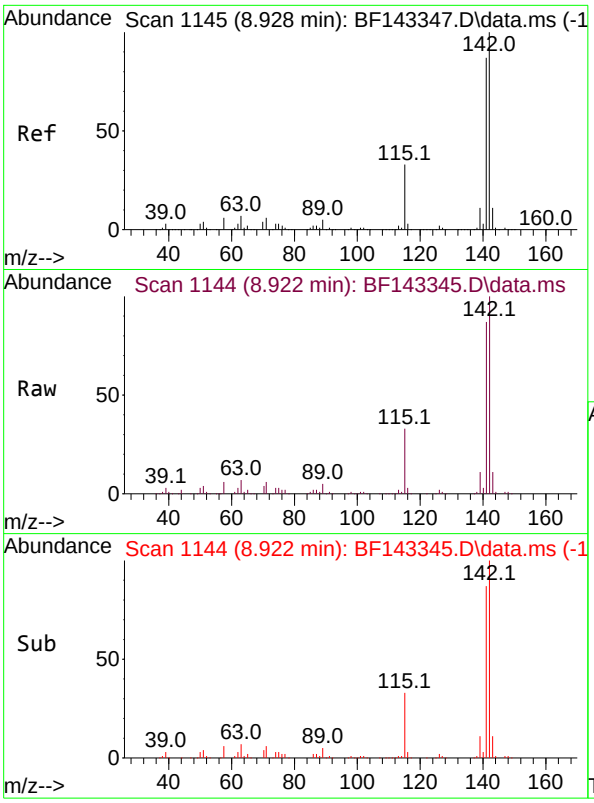


#36
4-Chloro-3-methylphenol
Concen: 9.780 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 82681

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	80.4	61.3	91.9





#37
2-Methylnaphthalene
Concen: 10.641 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 20320

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.8	104.8

Instrument :
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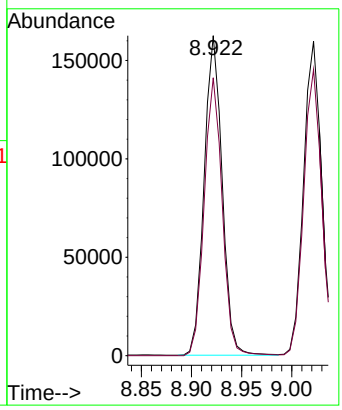
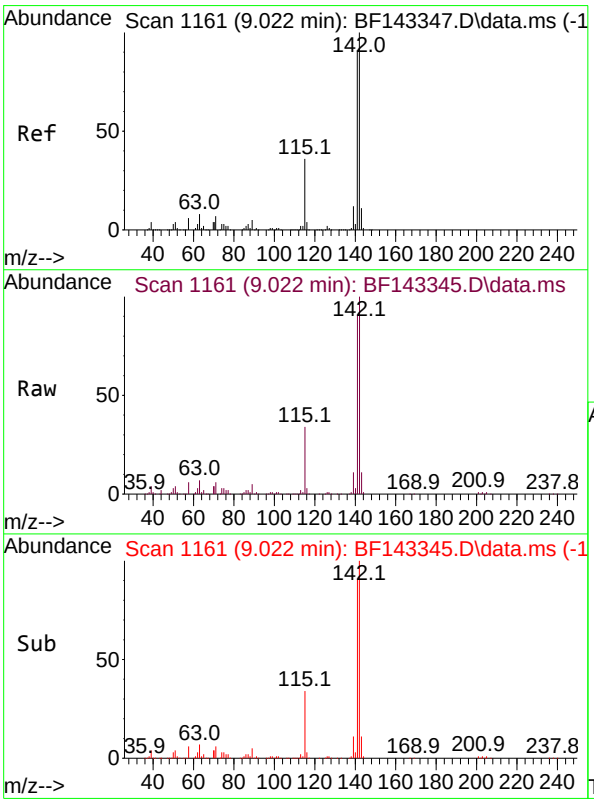
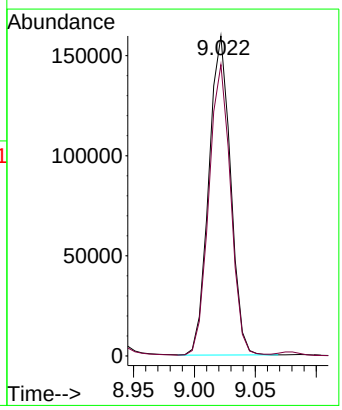


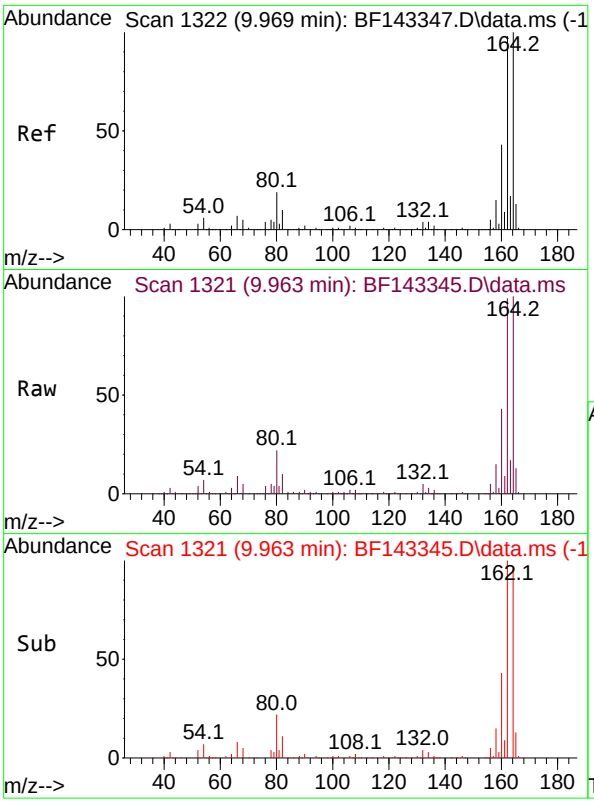


#38
1-Methylnaphthalene
Concen: 10.738 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 197497

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.4

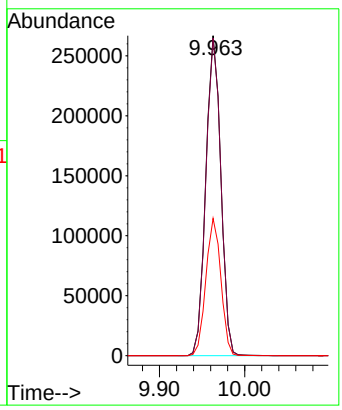




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:164 Resp: 32630

Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.6	118.0
160	42.9	34.4	51.6



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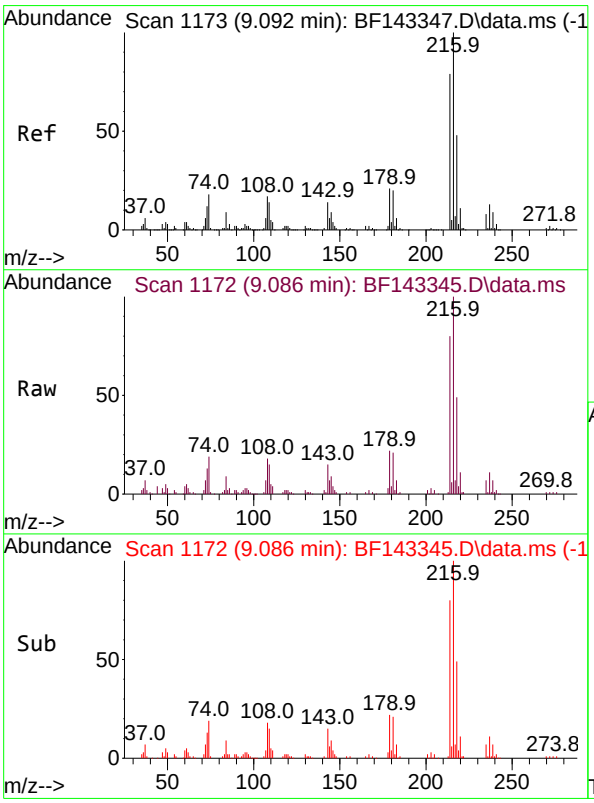
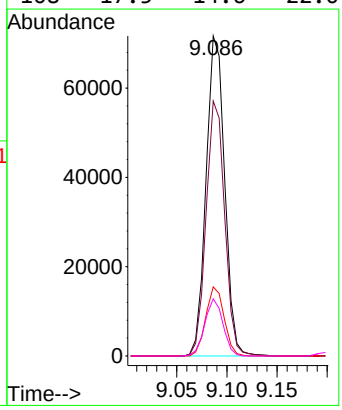
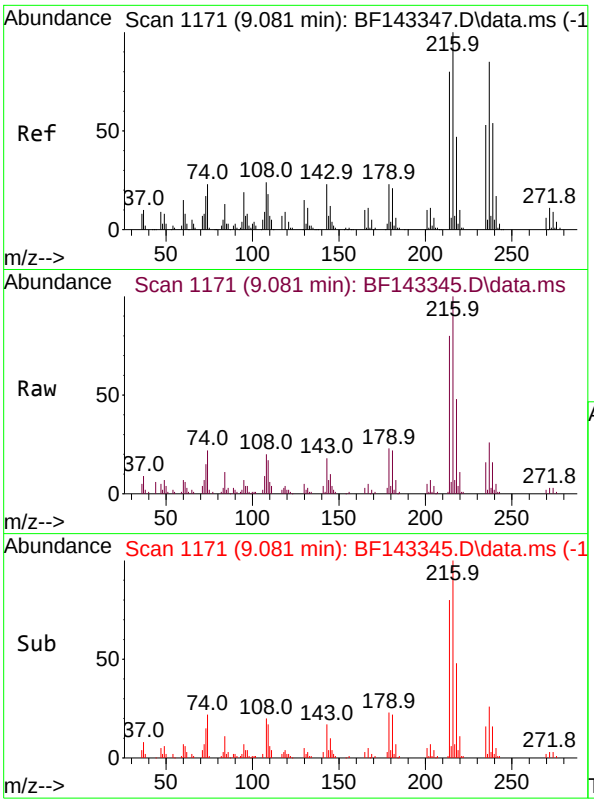


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.338 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:216 Resp: 92307

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.0	94.4
179	21.3	17.0	25.4
108	17.5	14.6	22.0

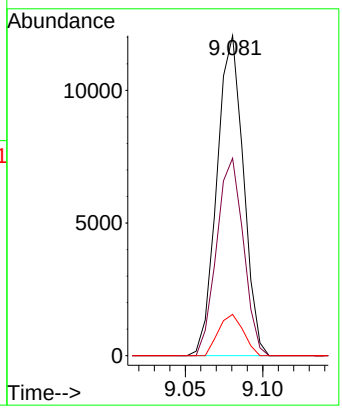




#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:237 Resp: 1434

Ion	Ratio	Lower	Upper
237	100		
235	61.7	42.0	82.0
272	12.9	0.0	32.6



Instrument :
BNA_F
ClientSampleId :
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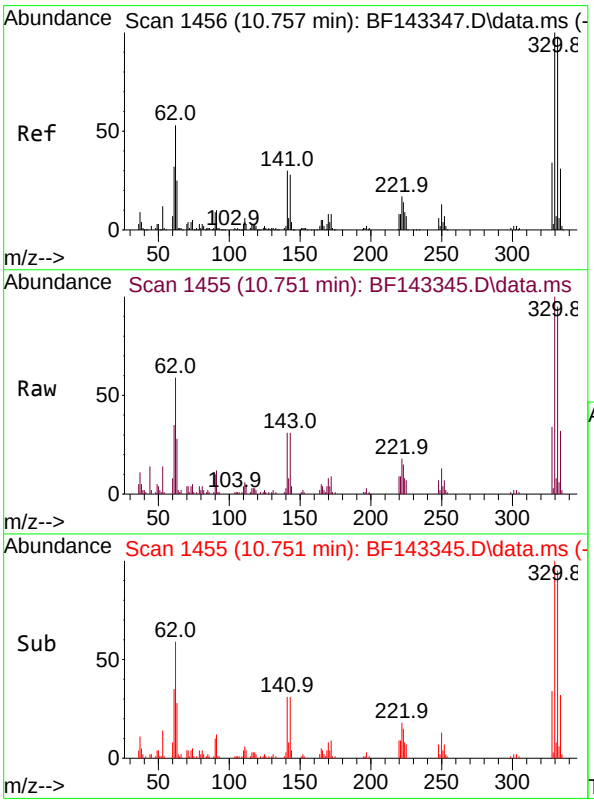
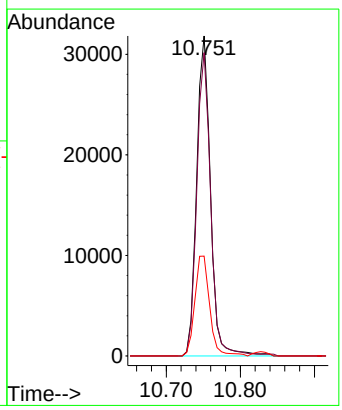
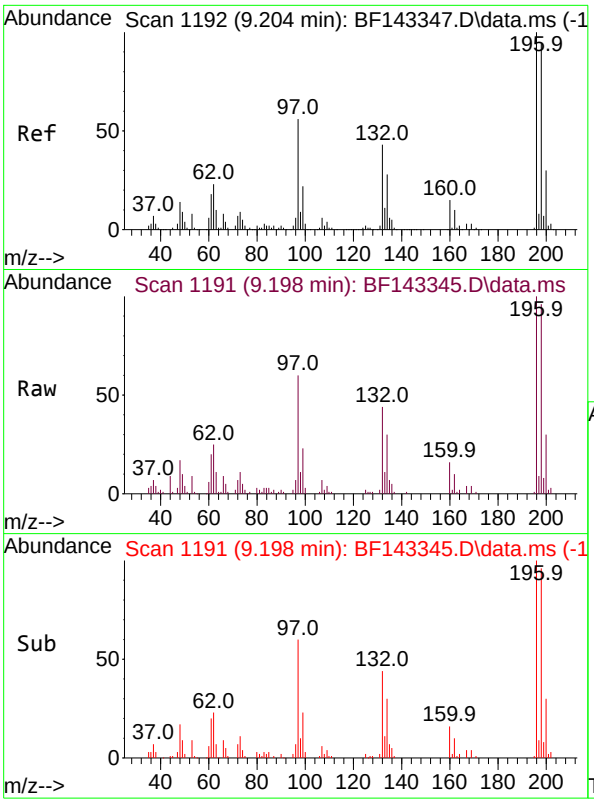


#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:330 Resp: 41296

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.1	117.1
141	33.4	25.4	38.0

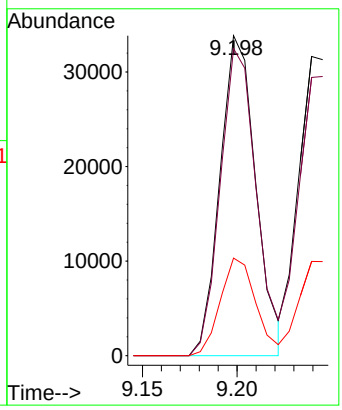




#43
2,4,6-Trichlorophenol
Concen: 8.769 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 4442

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.0
200	30.5	24.3	36.5



Instrument :
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ClientSampleId :
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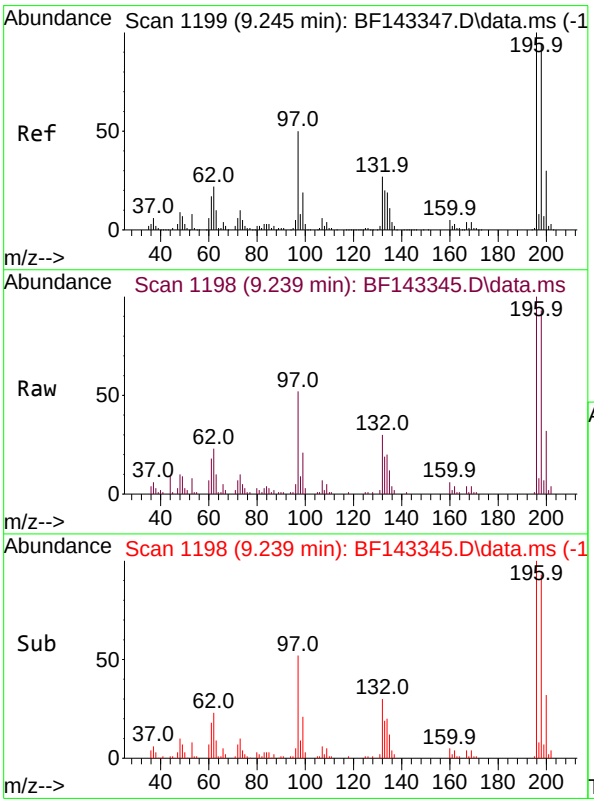
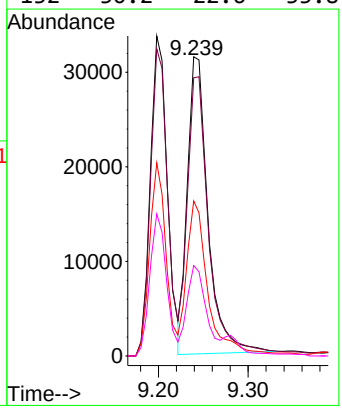
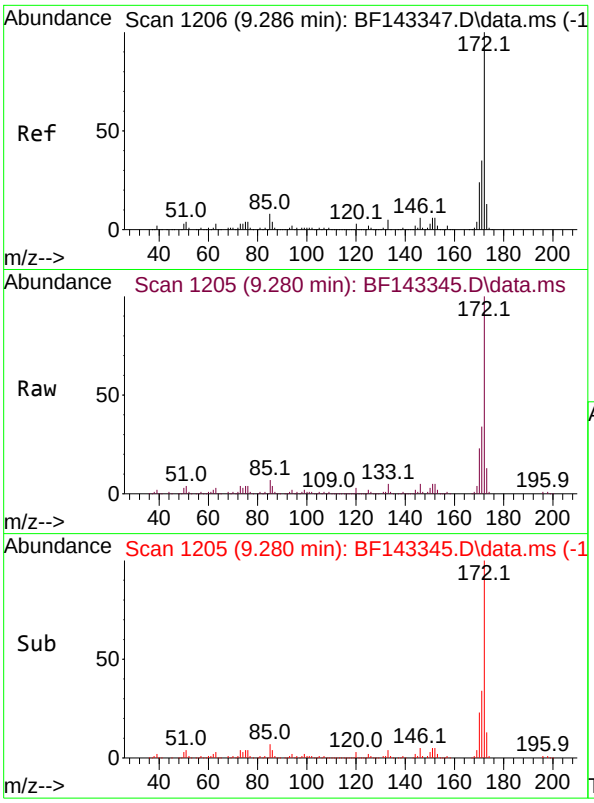


#44
2,4,5-Trichlorophenol
Concen: 8.786 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

Ion	Ratio	Lower	Upper
196	100		
198	93.0	75.4	113.2
97	51.8	39.9	59.9
132	30.2	22.6	33.8

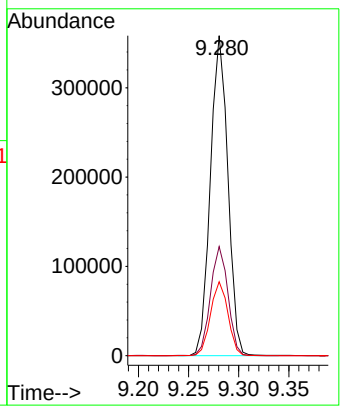




#45
2-Fluorobiphenyl
Concen: 22.583 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:172 Resp: 43455

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.4	42.6
170	23.1	19.1	28.7



Instrument :
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ClientSampleId :
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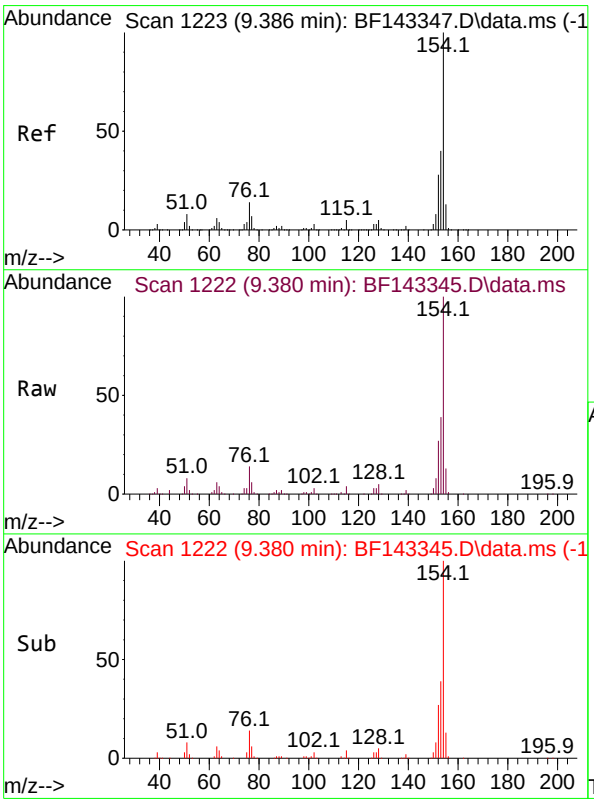
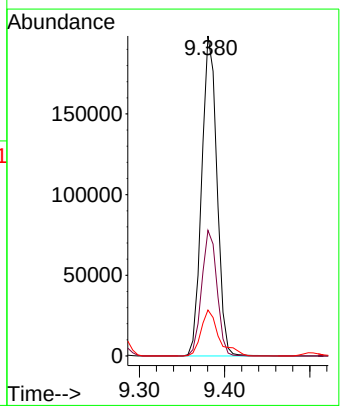
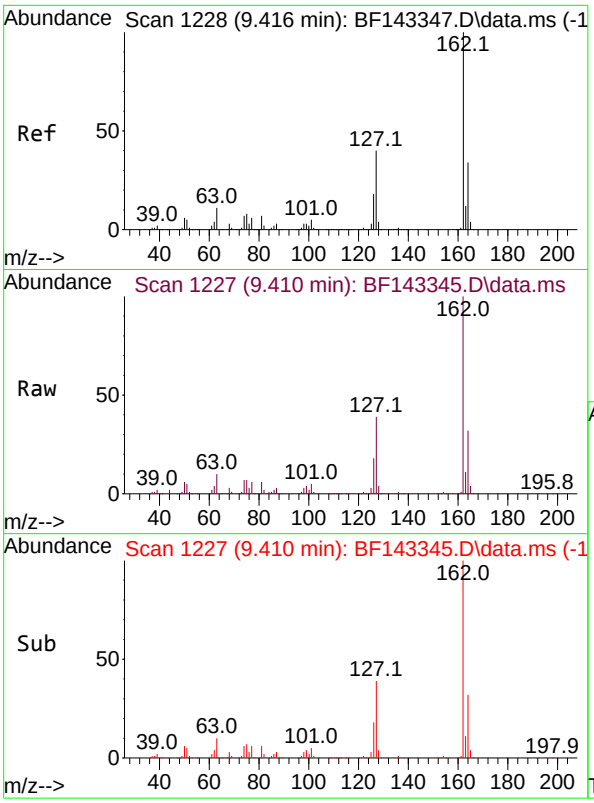


#46
1,1'-Biphenyl
Concen: 10.647 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 245641

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.2	60.2
76	14.4	0.0	34.4

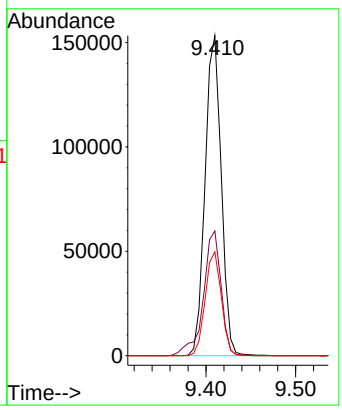




#47
2-Chloronaphthalene
Concen: 10.556 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:162 Resp: 19180

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.1	48.1
164	32.5	27.0	40.4



Instrument :
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ClientSampleId :
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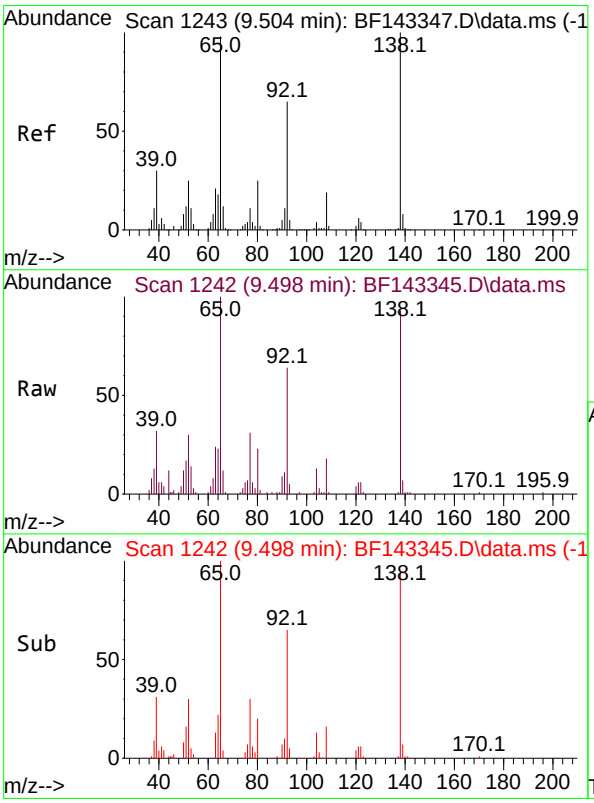
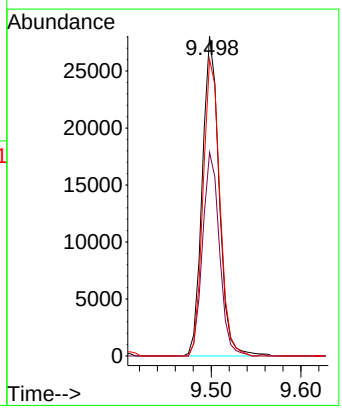
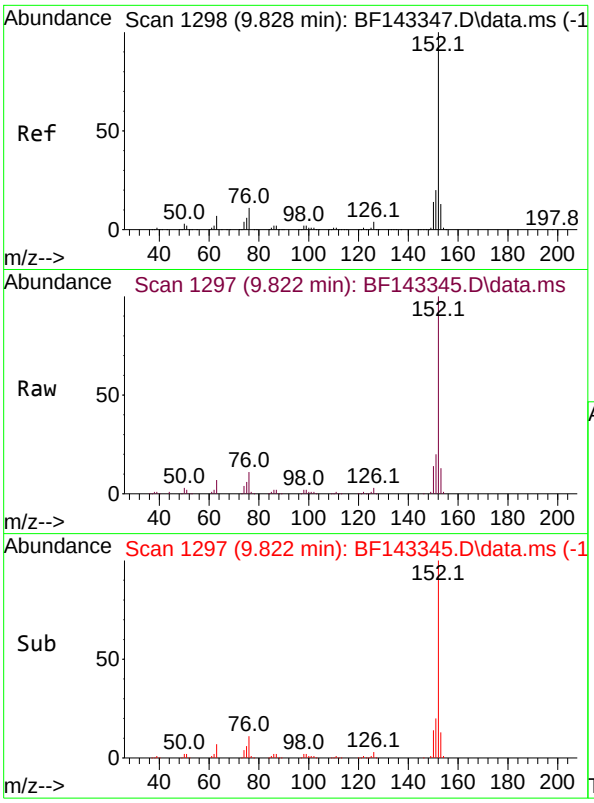


#48
2-Nitroaniline
Concen: 9.319 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 65 Resp: 36444

Ion	Ratio	Lower	Upper
65	100		
92	63.6	53.1	79.7
138	92.7	81.4	122.0

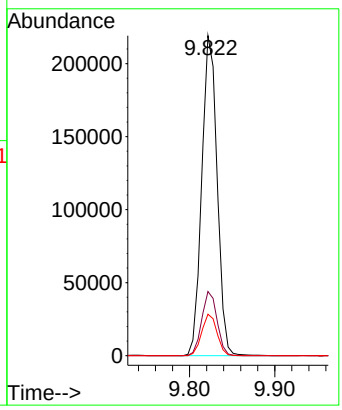




#49
Acenaphthylene
Concen: 10.459 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:152 Resp: 27444

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.0	10.6	16.0



Instrument :
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ClientSampleId :
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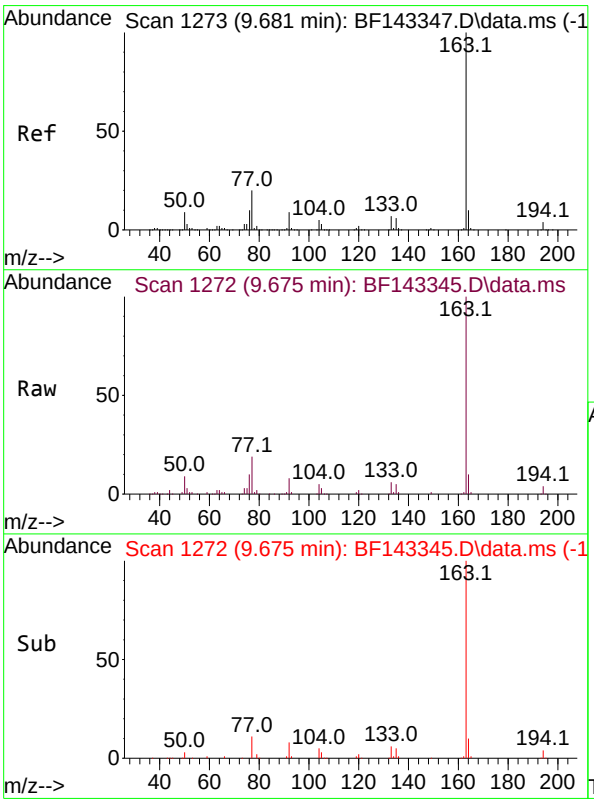
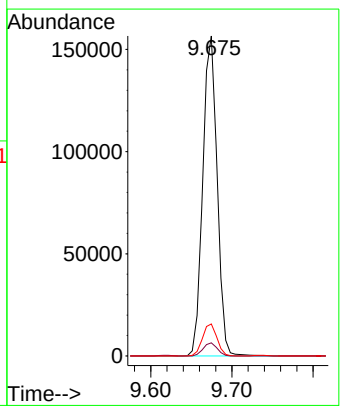
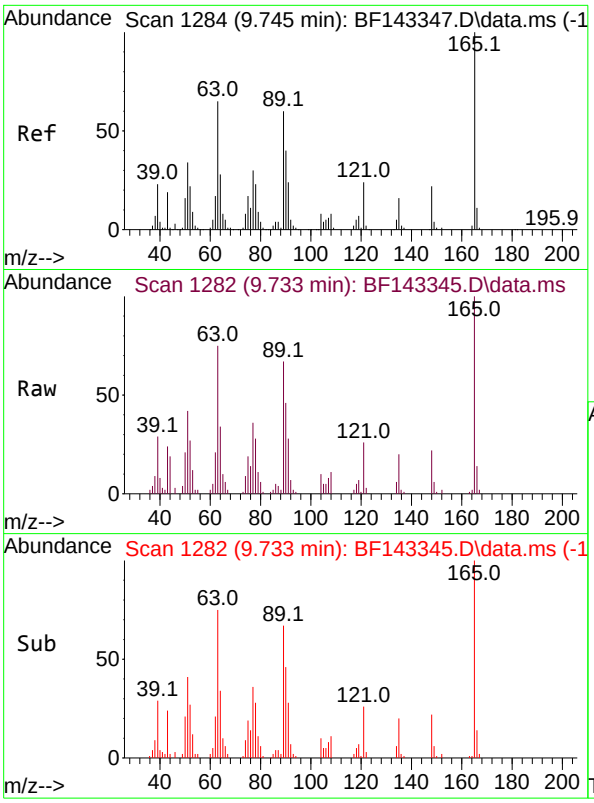


#50
Dimethylphthalate
Concen: 10.081 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:165 Resp: 2400

Ion	Ratio	Lower	Upper
165	100		
63	74.8	51.6	77.4
89	67.3	47.7	71.5

Instrument :
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ClientSampleId :
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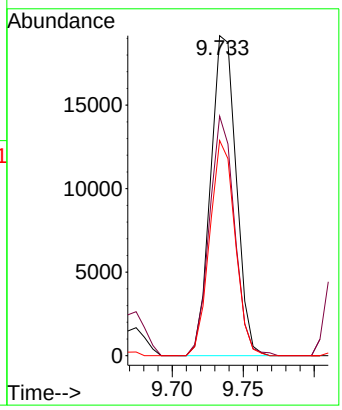
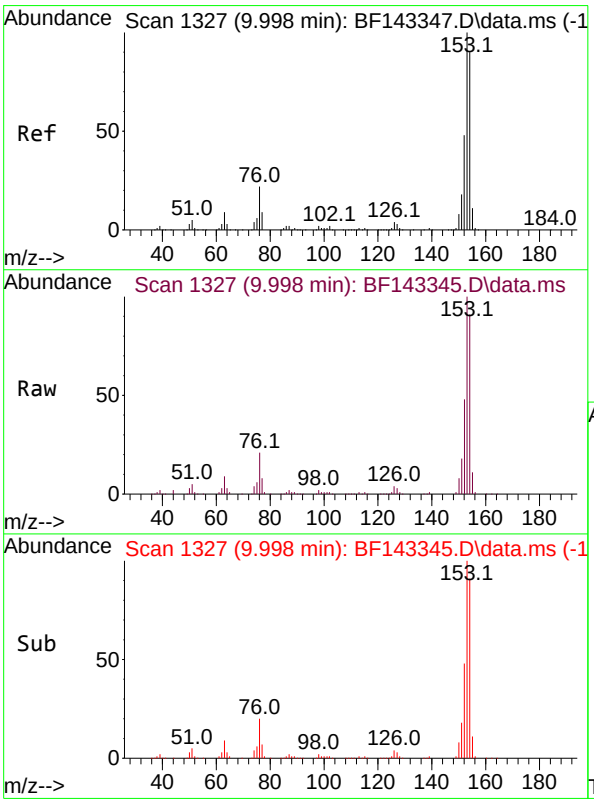
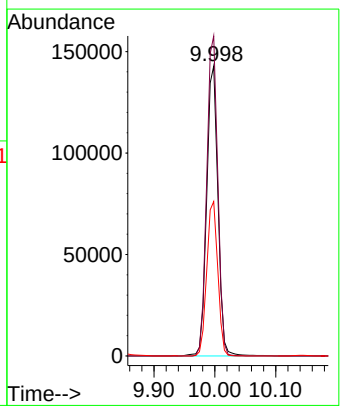


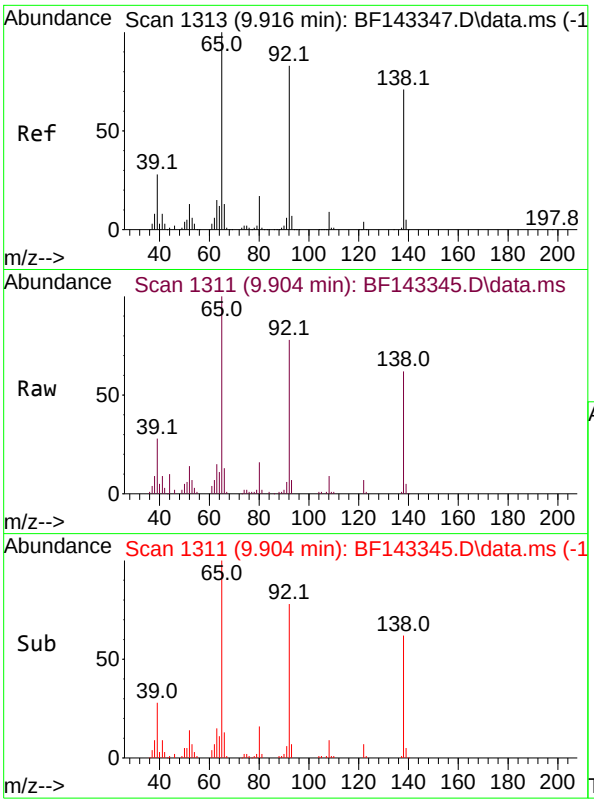


#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 183915

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.5	132.7
152	53.3	42.4	63.6

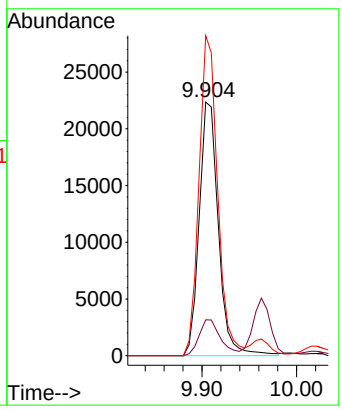




#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 3150

Ion	Ratio	Lower	Upper
138	100		
108	14.1	9.6	14.4
92	126.2	93.4	140.2



Instrument :
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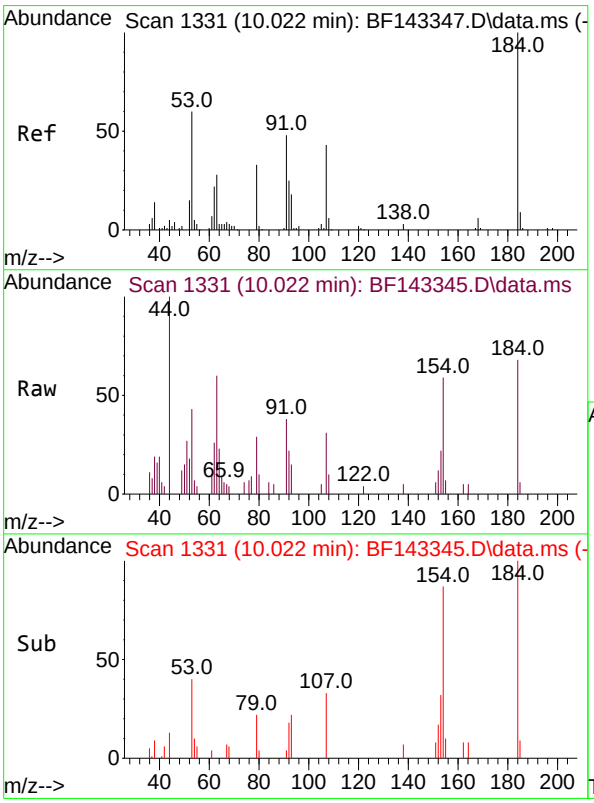
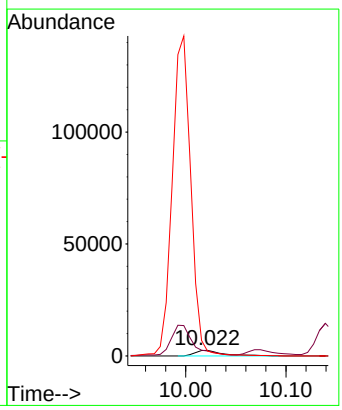
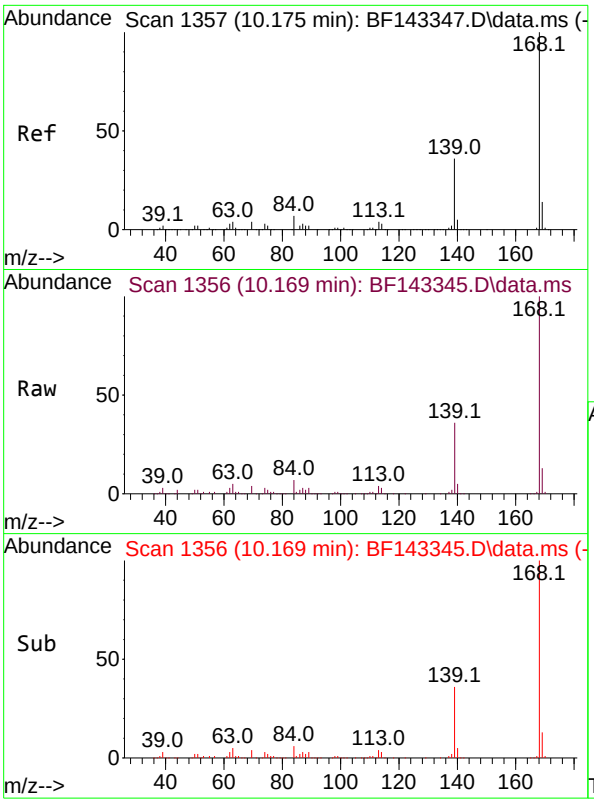


#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 4834

Ion	Ratio	Lower	Upper
184	100		
63	88.5	62.5	93.7
154	87.3	73.0	109.4

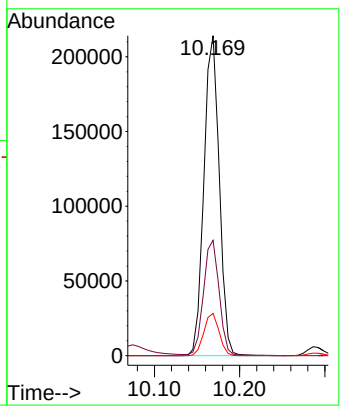




#55
Dibenzofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:168 Resp: 26765

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.4	44.0
169	13.2	11.0	16.6



Instrument :
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ClientSampleId :
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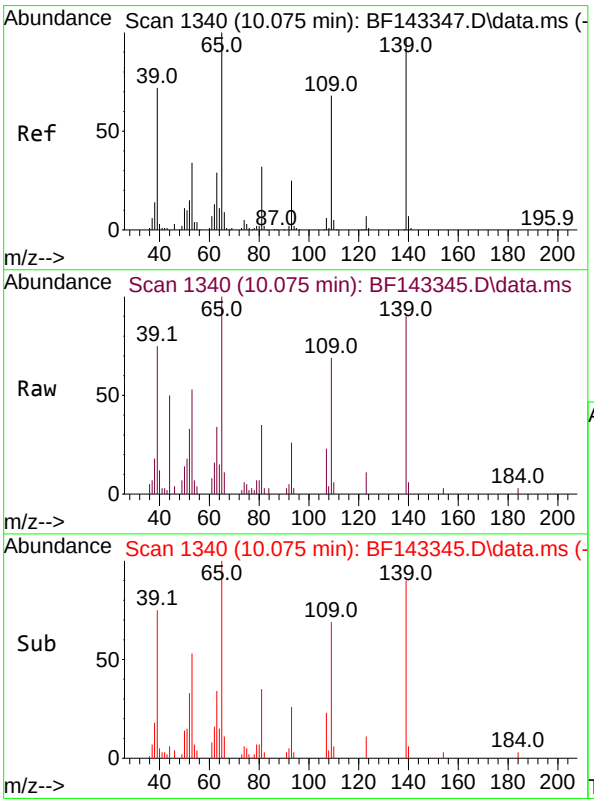
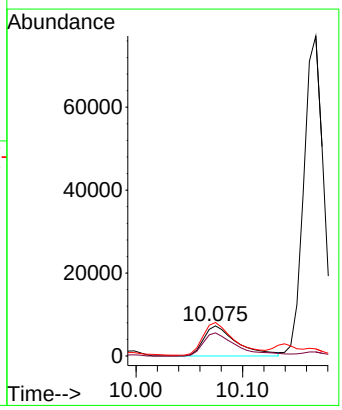
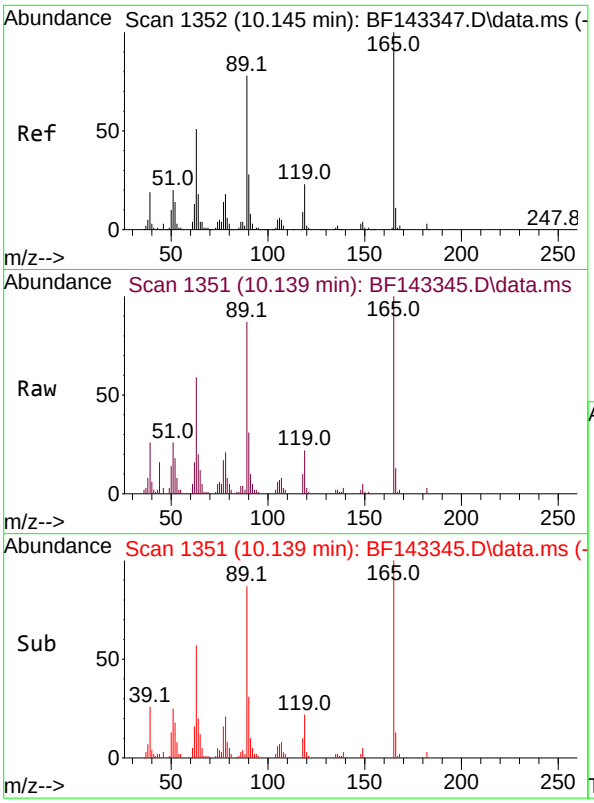


#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 15708

Ion	Ratio	Lower	Upper
139	100		
109	76.4	49.4	89.4
65	111.1	83.7	123.7

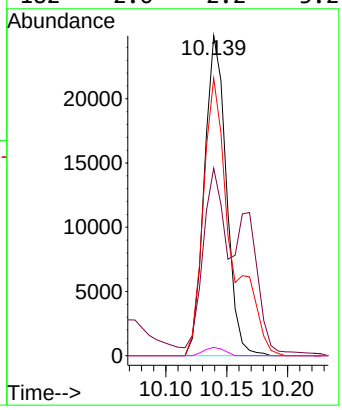




#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:165 Resp: 3122

Ion	Ratio	Lower	Upper
165	100		
63	58.6	41.8	62.8
89	86.7	62.4	93.6
182	2.6	2.2	3.2



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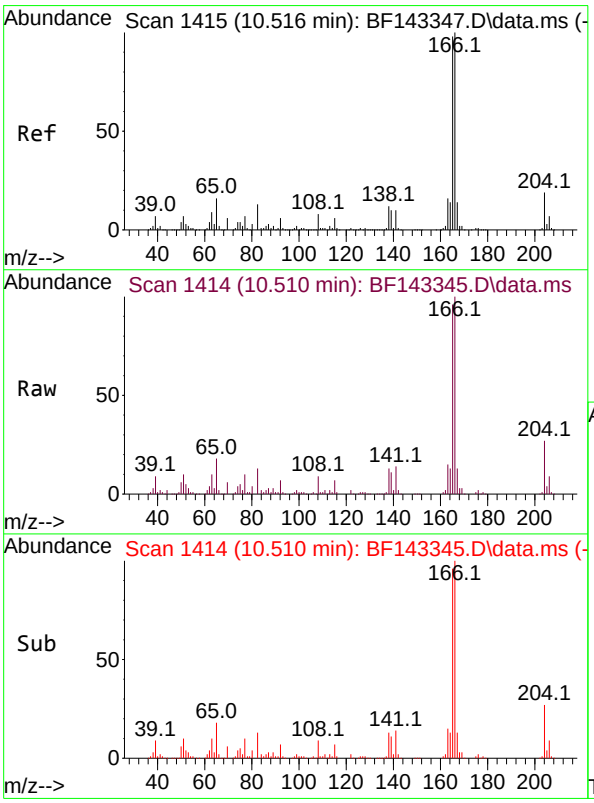
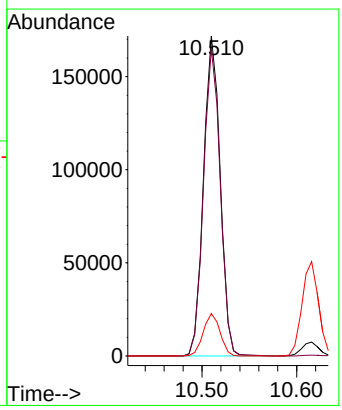
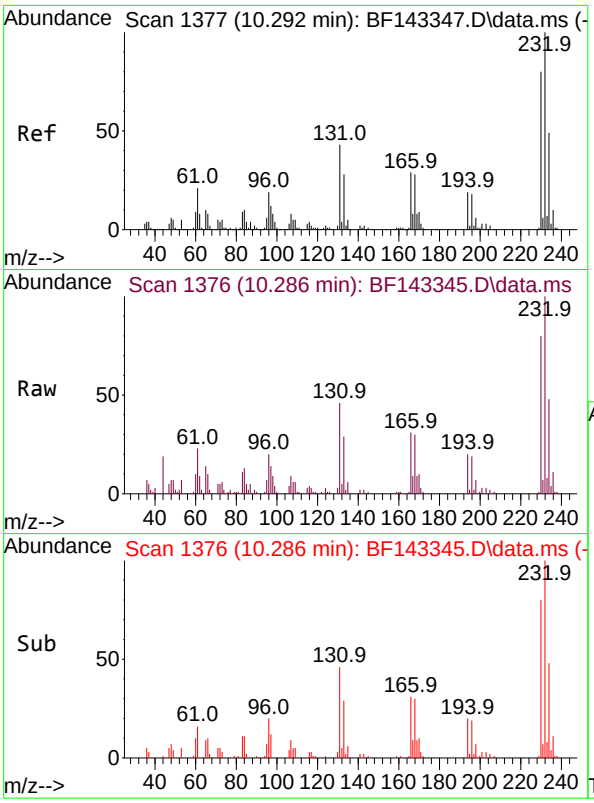


#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:166 Resp: 210161

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	13.3	10.9	16.3

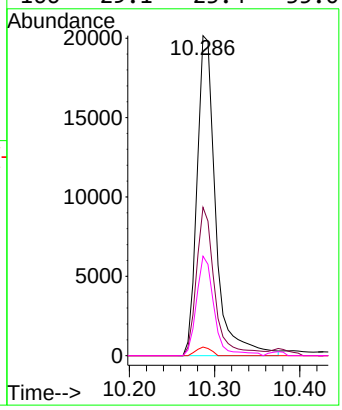




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:232 Resp: 3068

Ion	Ratio	Lower	Upper
232	100		
131	45.6	34.6	51.8
130	2.1	1.7	2.5
166	29.1	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
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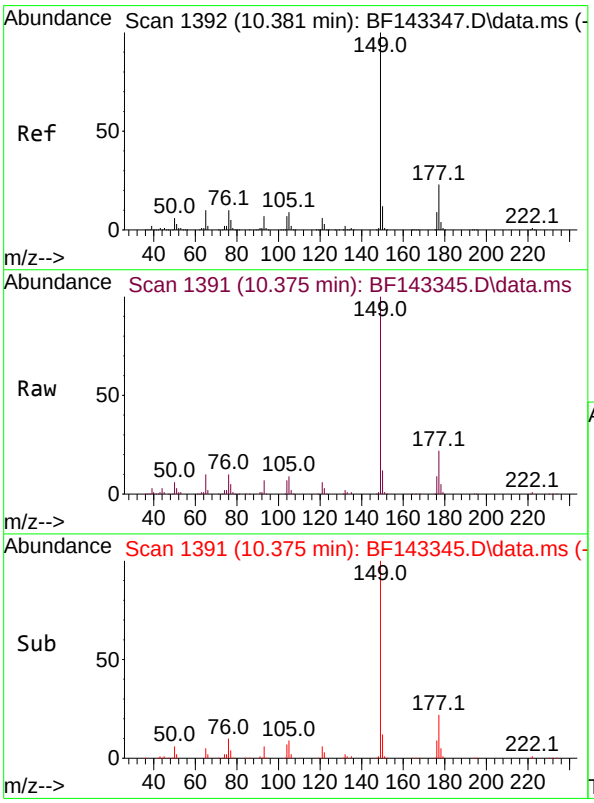
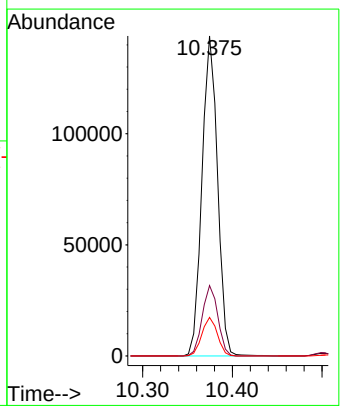
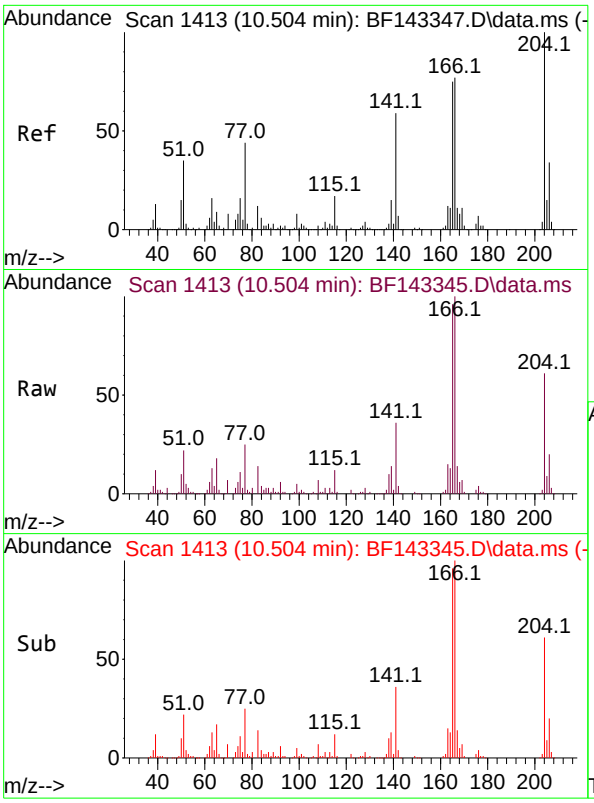


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 173119

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.2	27.2
150	12.0	9.9	14.9

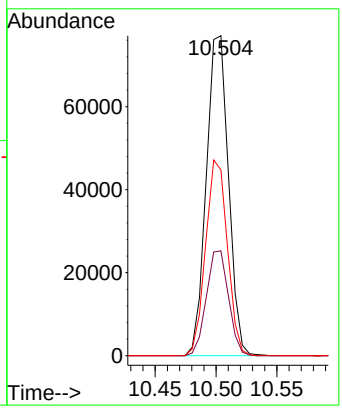




#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:204 Resp: 9798

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.4	41.2
141	58.0	46.9	70.3



Instrument :
BNA_F
ClientSampleId :
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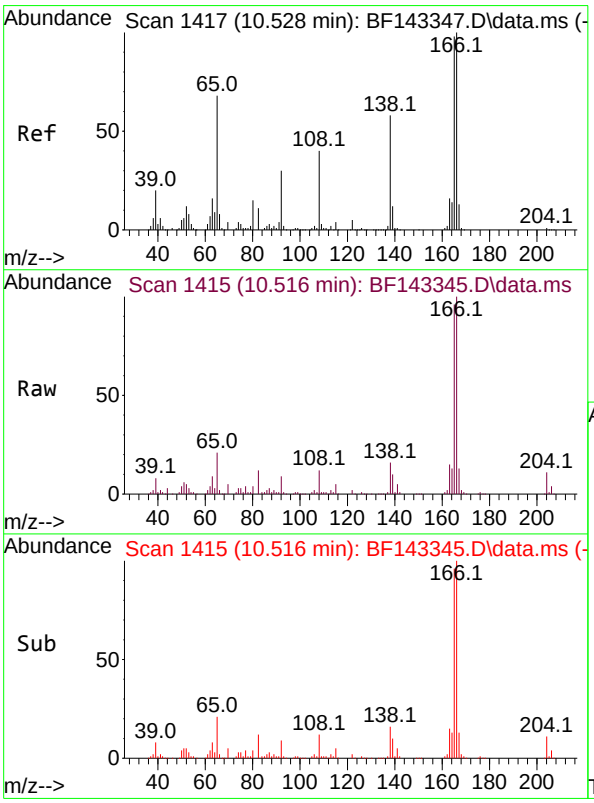
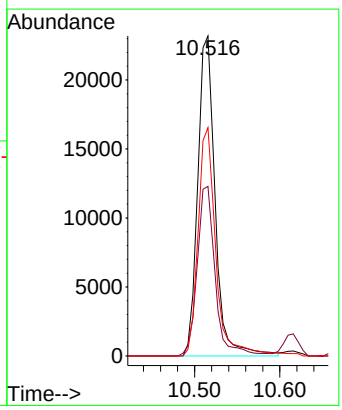
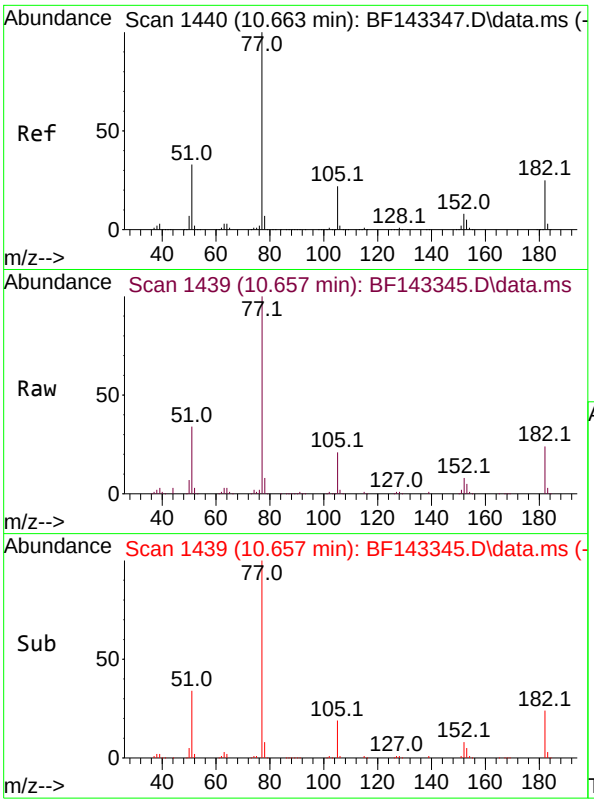


#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 32919

Ion	Ratio	Lower	Upper
138	100		
92	53.0	31.2	71.2
108	71.4	48.1	88.1

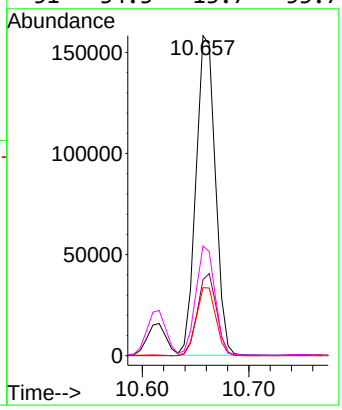




#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 20036

Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.4	44.4
105	21.3	1.8	41.8
51	34.3	13.7	53.7



Instrument :
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ClientSampleId :
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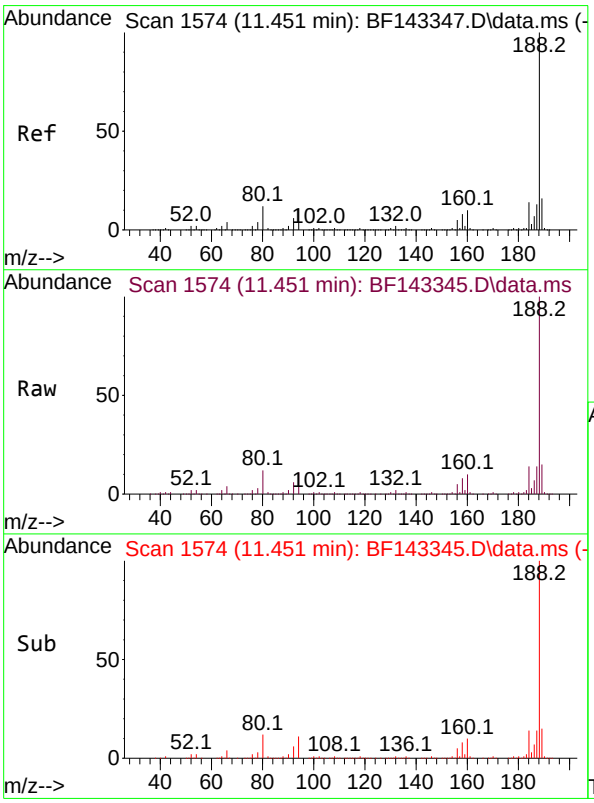
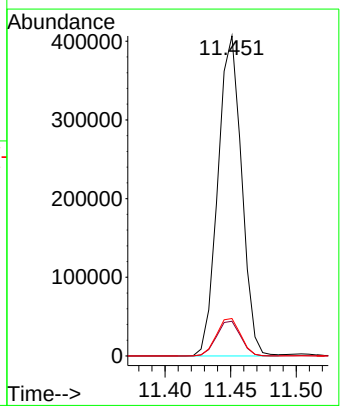
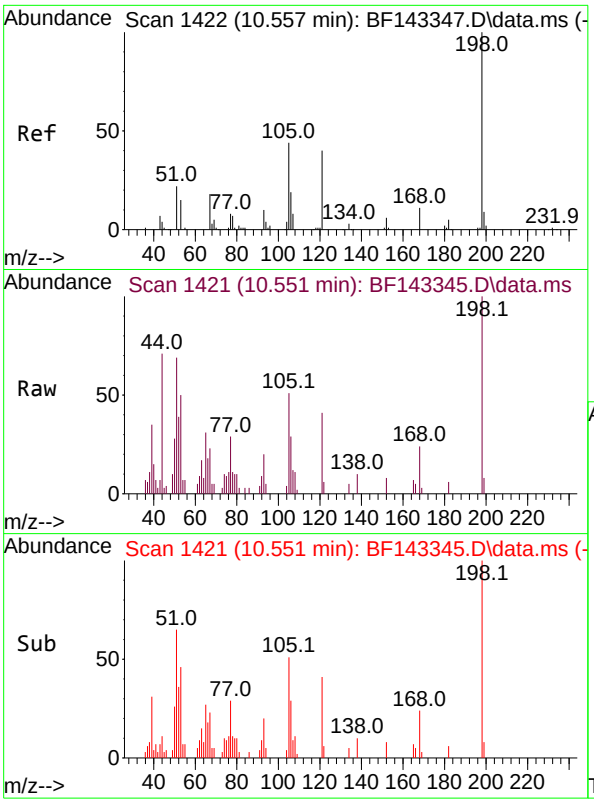


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:188 Resp: 511556

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.8	13.2
80	11.7	9.7	14.5

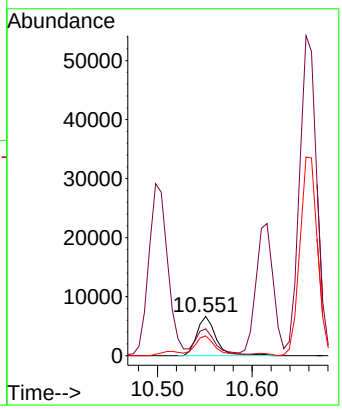




#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:198 Resp: 932

Ion	Ratio	Lower	Upper
198	100		
51	68.6	41.7	81.7
105	50.8	26.8	66.8



Instrument :
BNA_F
ClientSampleId :
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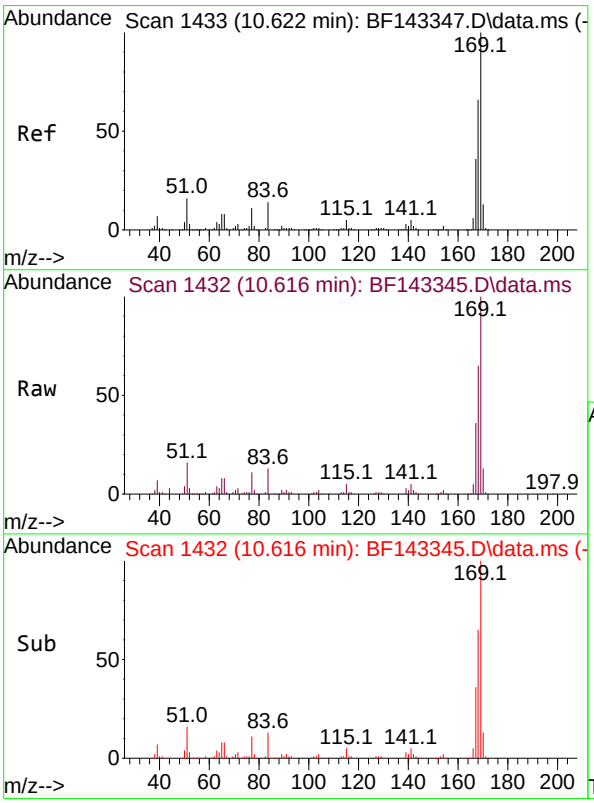
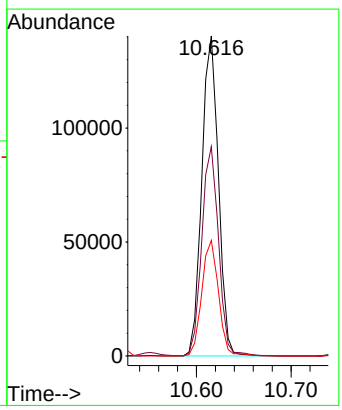
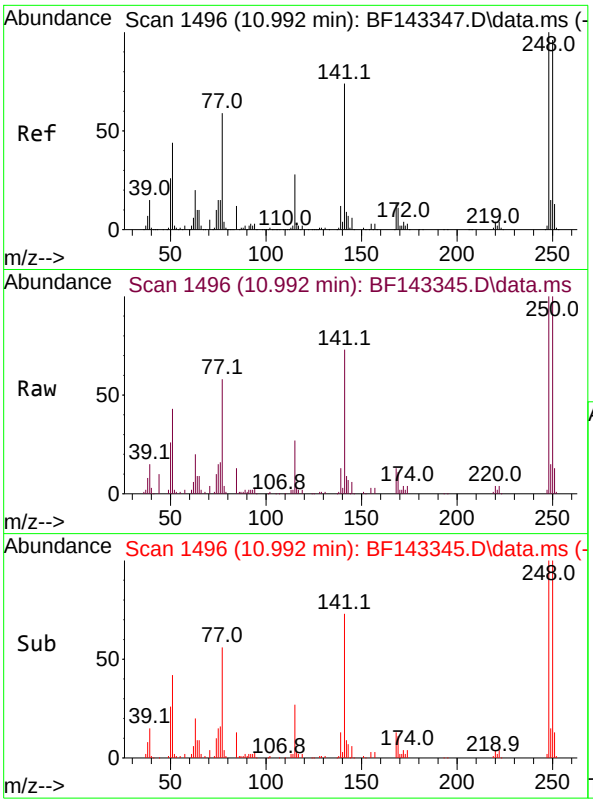


#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:169 Resp: 171289

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.7	79.1
167	36.1	28.6	42.8

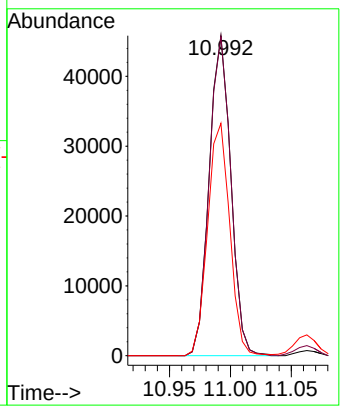




#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:248 Resp: 5681

Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.1	115.7
141	72.6	59.1	88.7



Instrument :
BNA_F
ClientSampleId :
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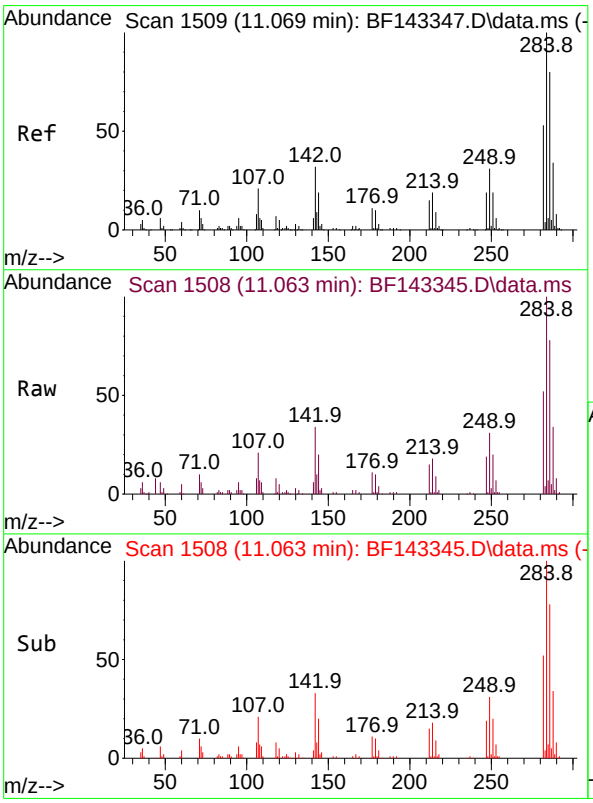
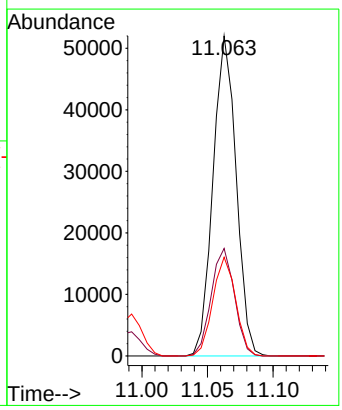
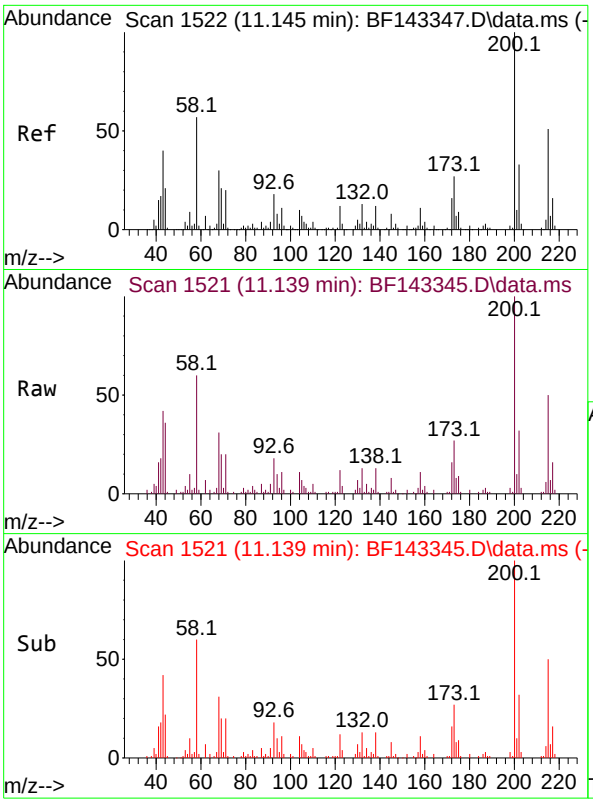


#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:284 Resp: 63639

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.7	38.5
249	30.9	24.6	37.0

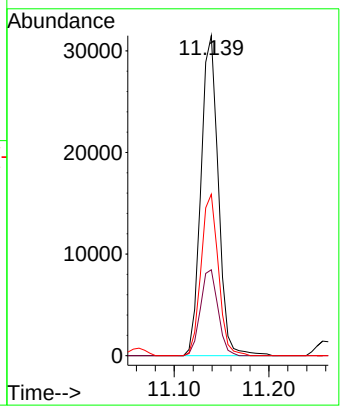




#69
Atrazine
Concen: 9.133 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:200 Resp: 4012

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.6	46.6
215	50.5	30.6	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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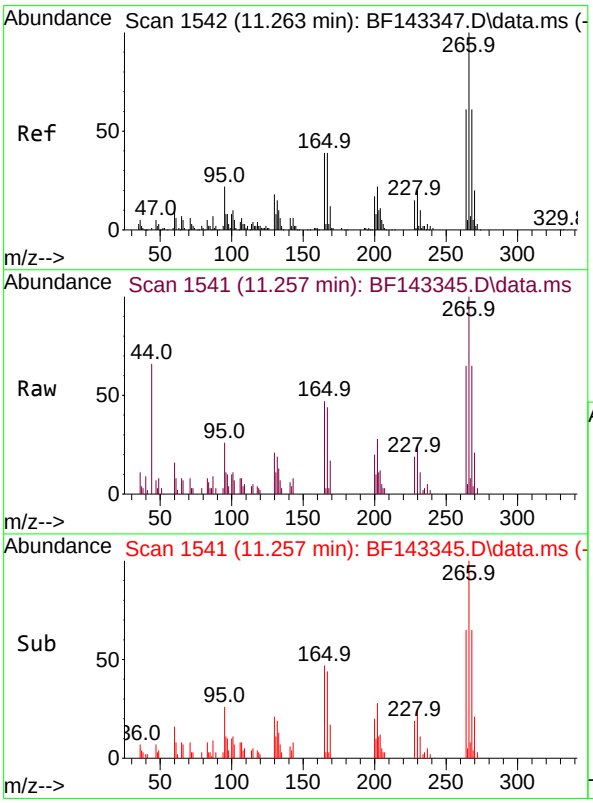
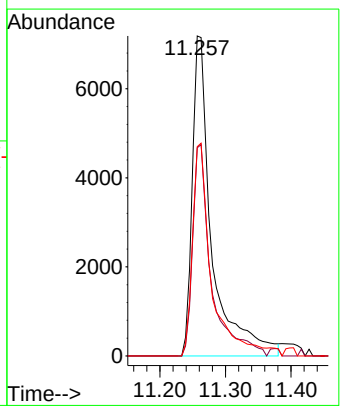
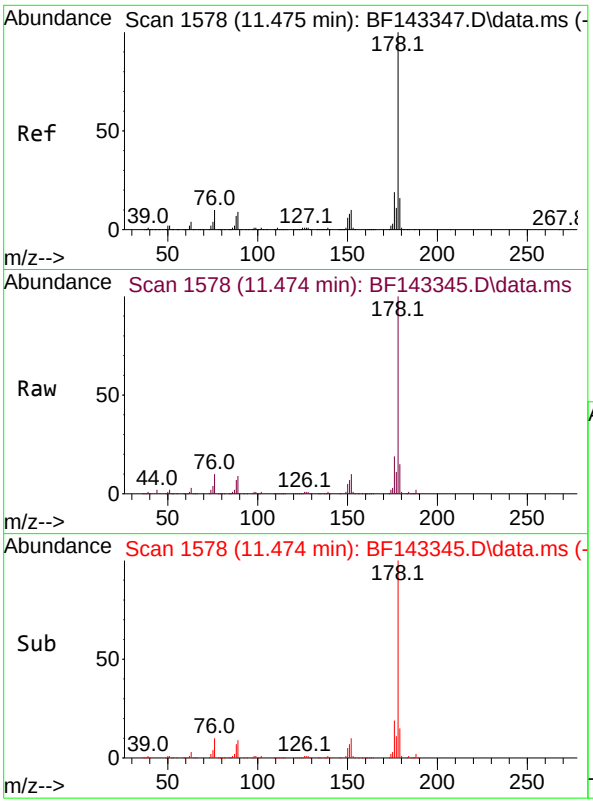


#70
Pentachlorophenol
Concen: 10.407 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:266 Resp: 14951

Ion	Ratio	Lower	Upper
266	100		
268	65.0	48.8	73.2
264	65.4	48.8	73.2

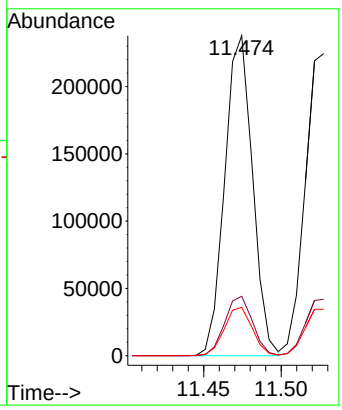




#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 29641

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.1	12.5	18.7



Instrument :
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ClientSampleId :
SSTDICC010

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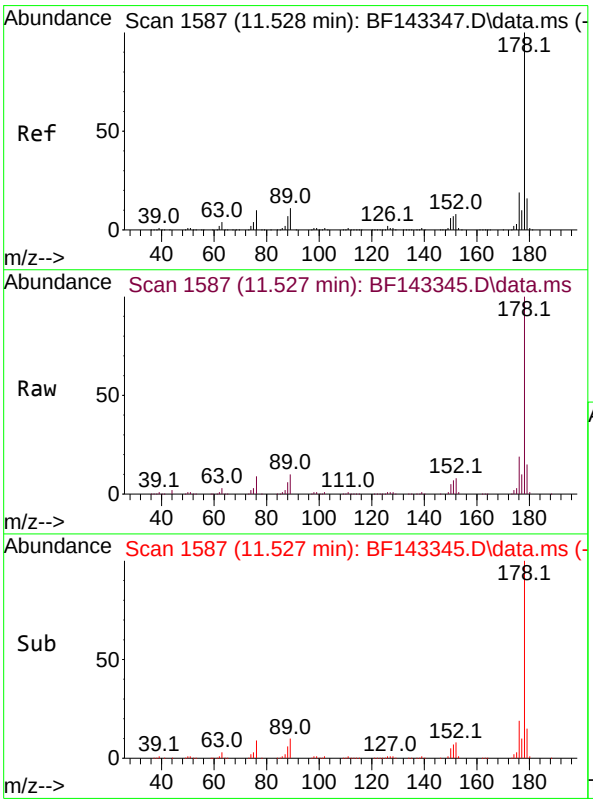
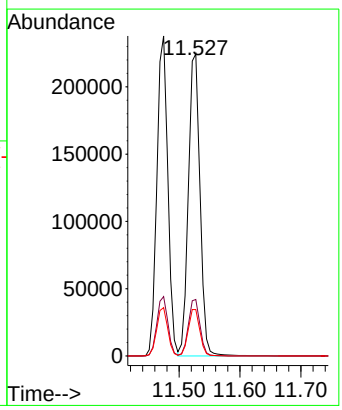
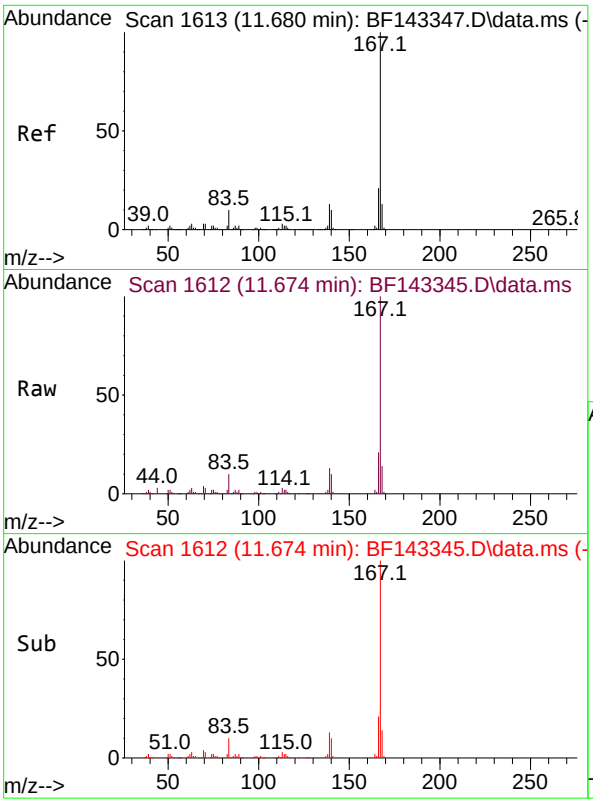


#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 298872

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.7	19.1

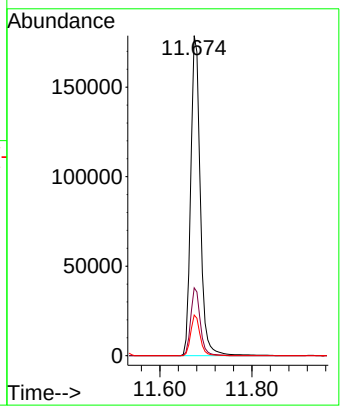




#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:167 Resp: 25583

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.7	10.2	15.2



Instrument :
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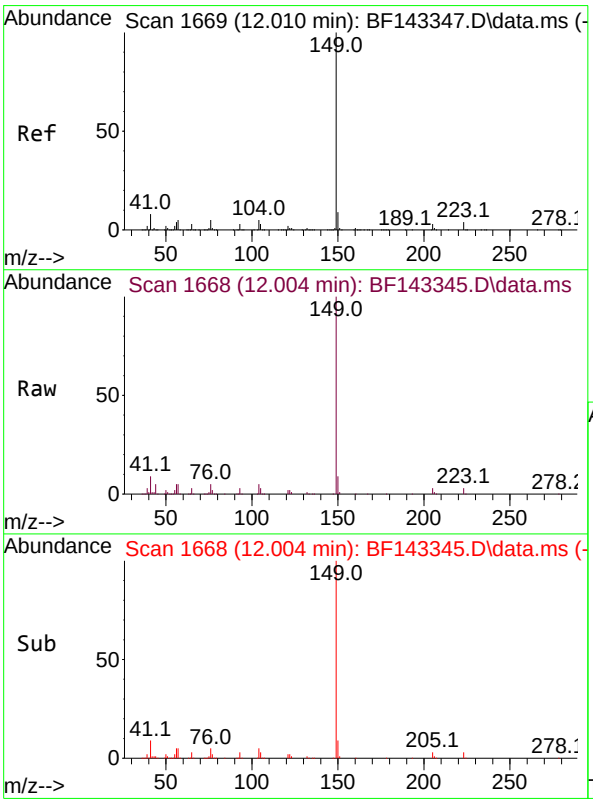
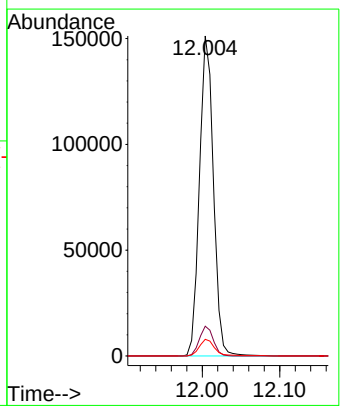
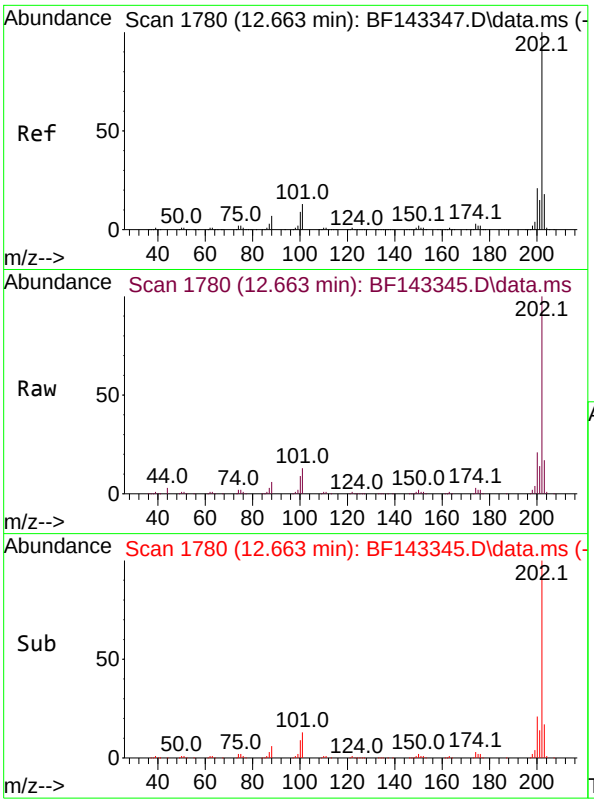


#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 189069

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	3.8	5.8

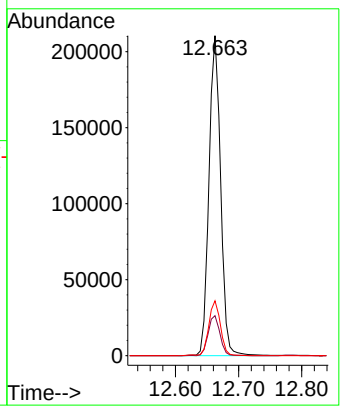




#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 26956

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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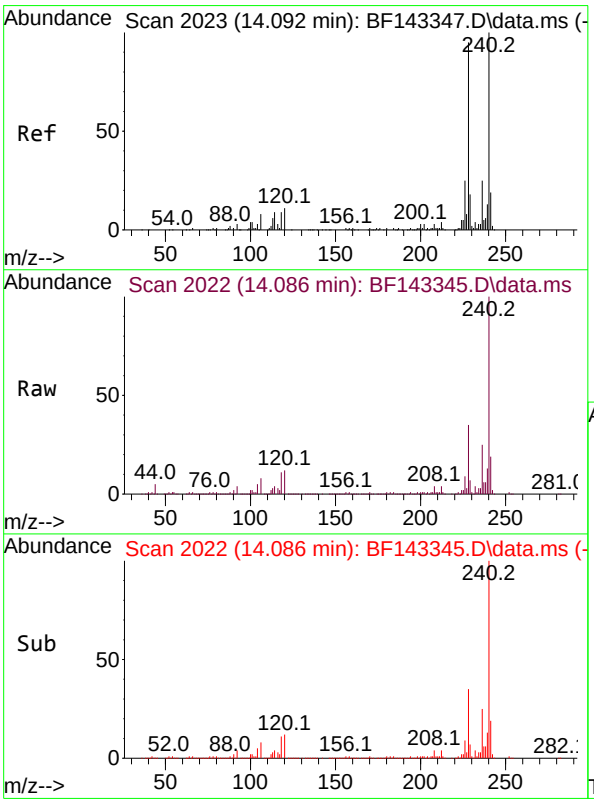
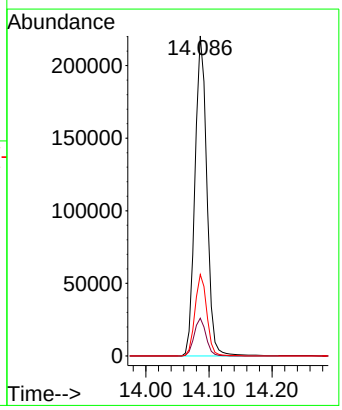
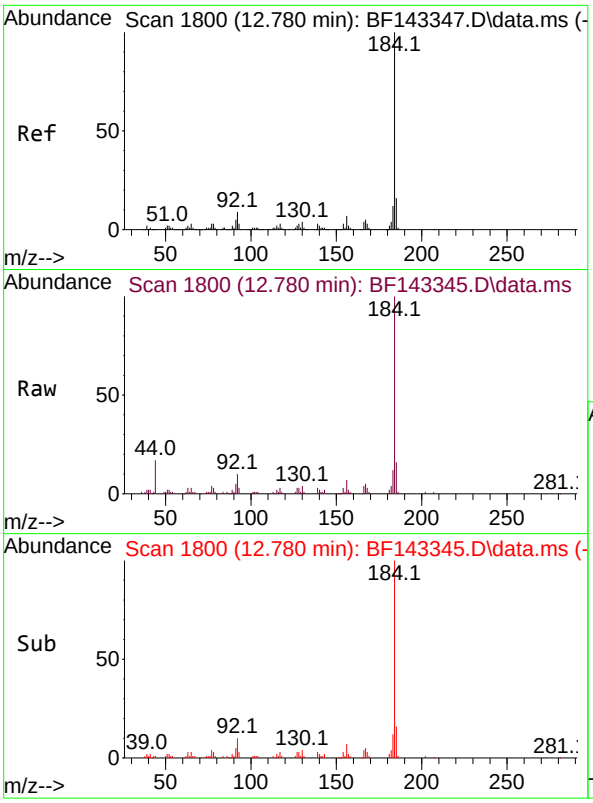


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.5	19.9	29.9

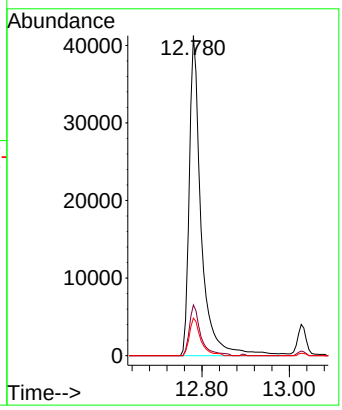




#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 7815

Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.8	19.2
183	11.8	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
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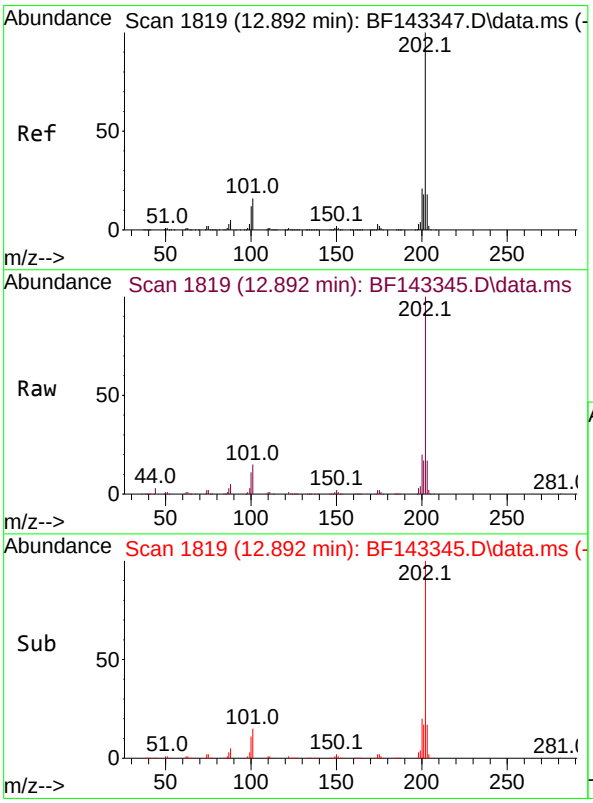
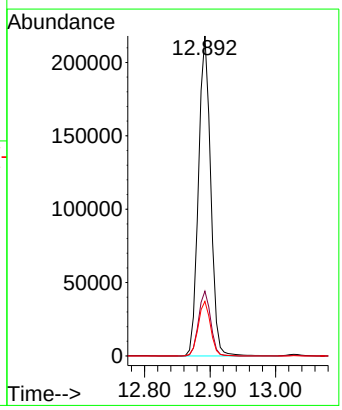
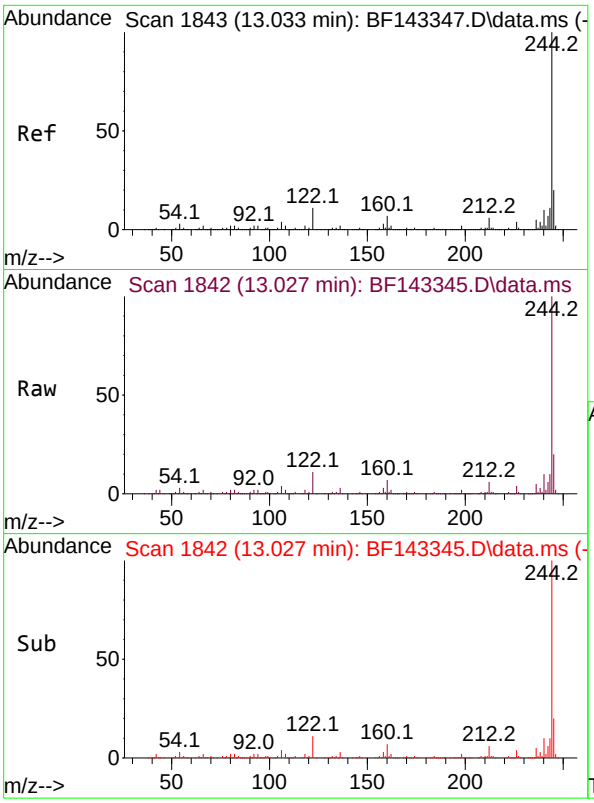


#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 283403

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.0	14.2	21.4

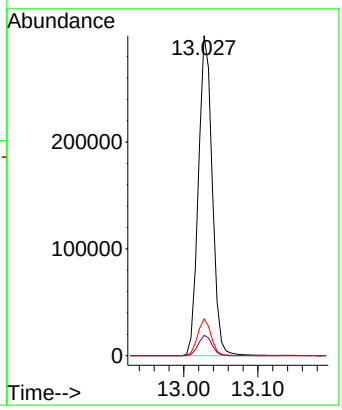




#79
Terphenyl-d14
Concen: 24.022 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:244 Resp: 38858

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.5	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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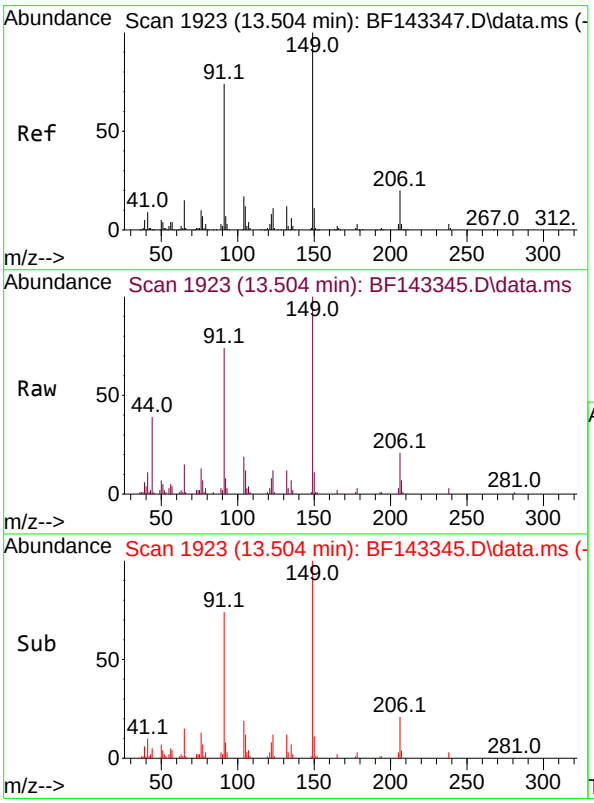
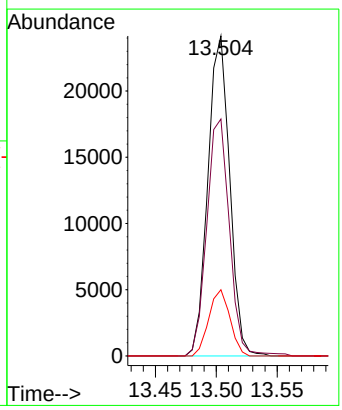
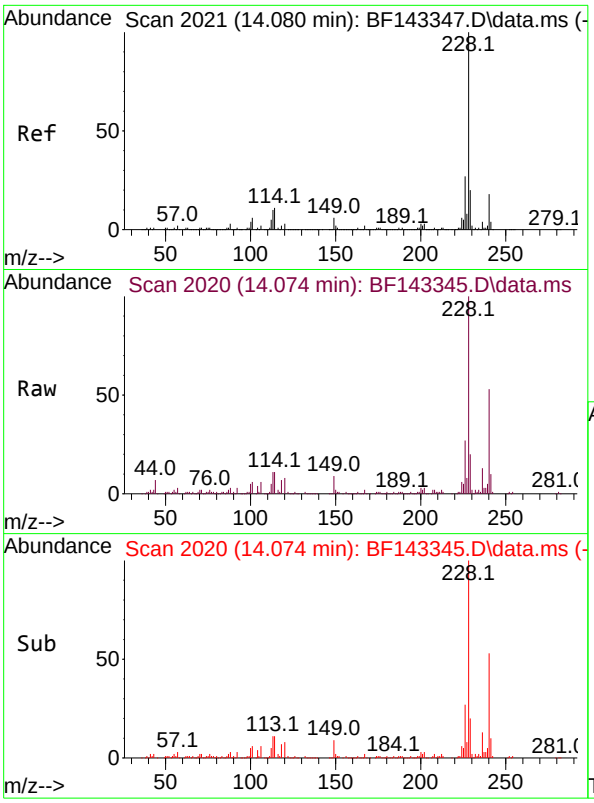


#80
Butylbenzylphthalate
Concen: 9.196 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 30088

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.8	88.2
206	20.7	16.4	24.6

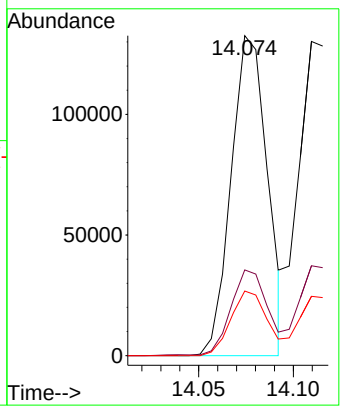




#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:228 Resp: 17675(

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.0	33.0
229	20.2	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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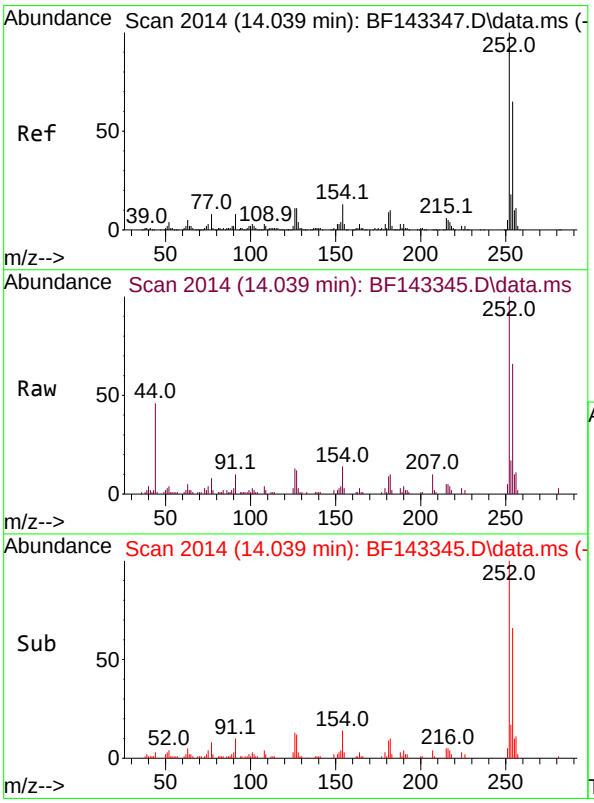
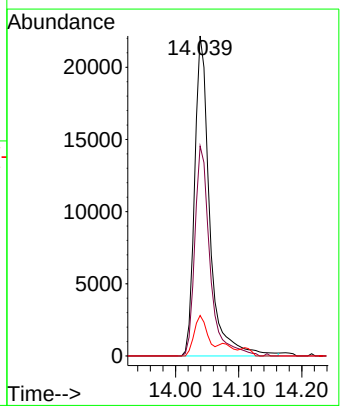
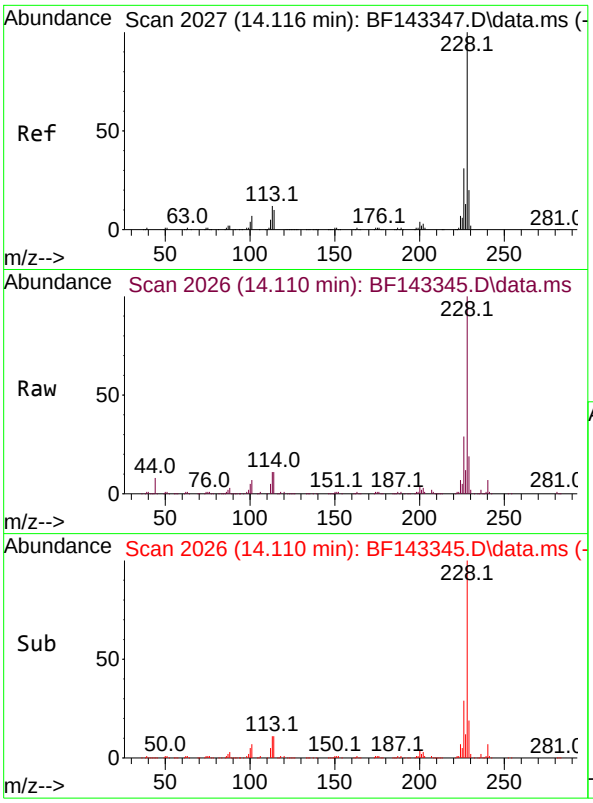


#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 36804

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.7	77.5
126	12.6	9.2	13.8

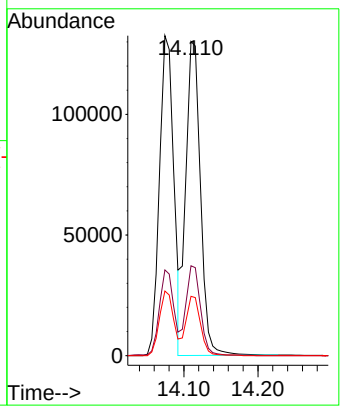




#83
Chrysene
Concen: 10.541 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:228 Resp: 18042

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	18.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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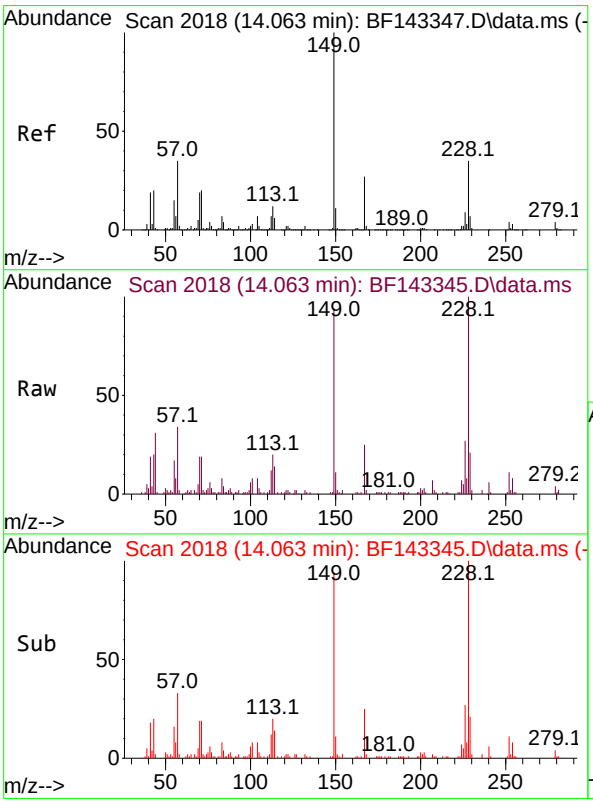
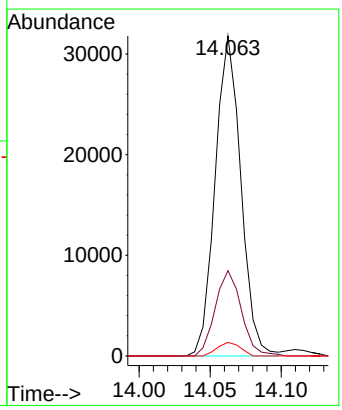
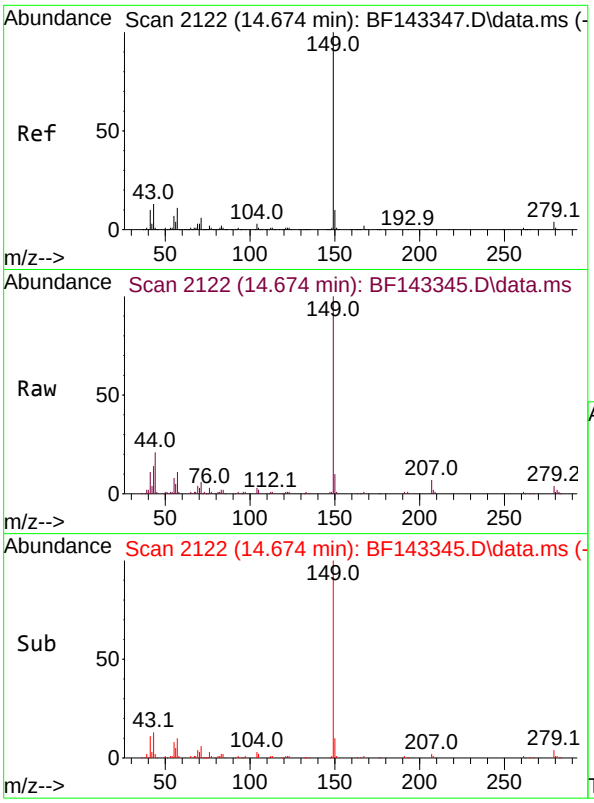


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.191 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 39945

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.3	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 7870

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	14.9	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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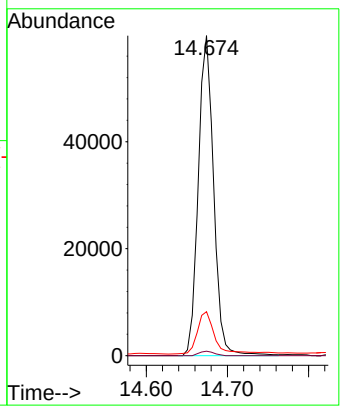
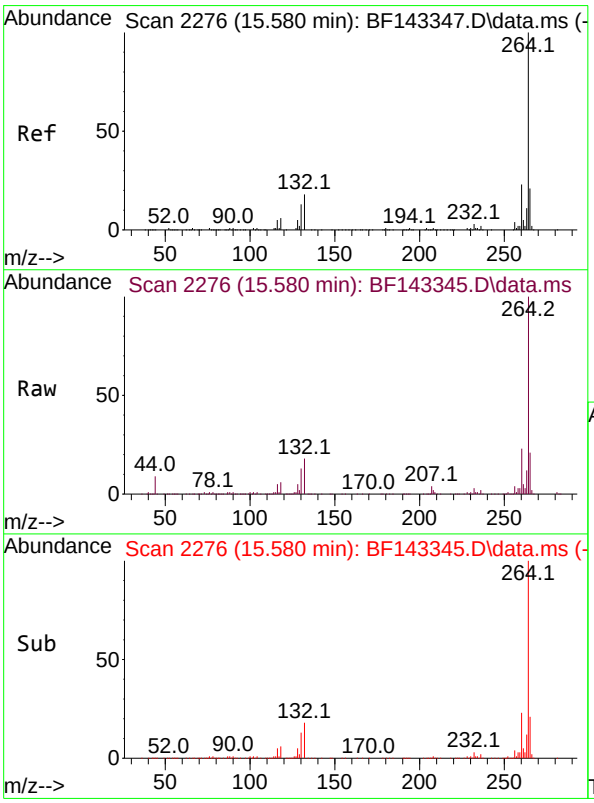
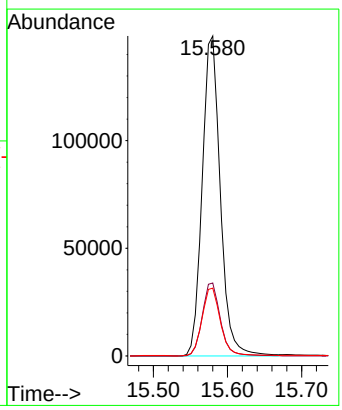


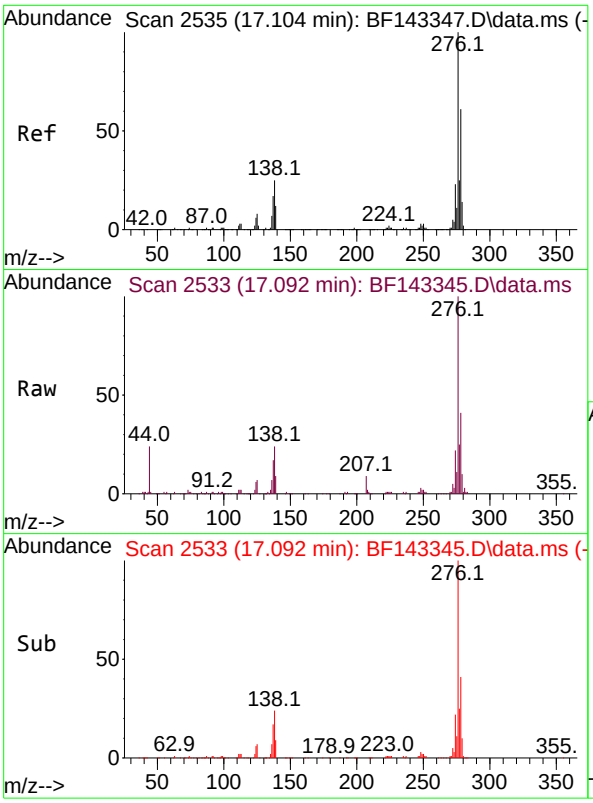


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:264 Resp: 252284

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.2	17.2	25.8

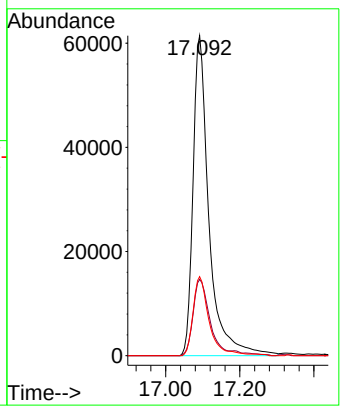




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.153 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 18350

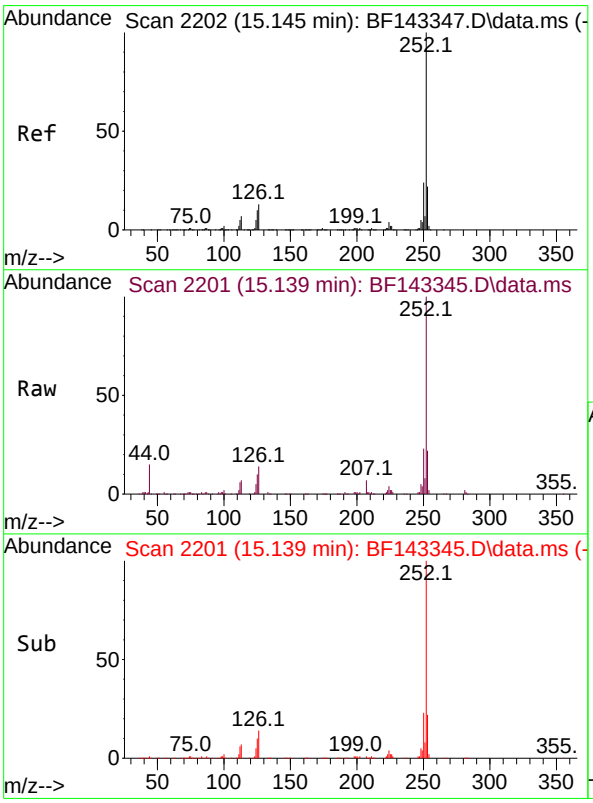
Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	24.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

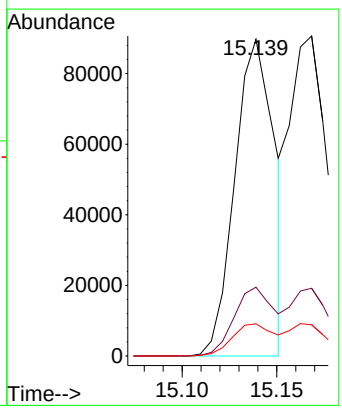
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

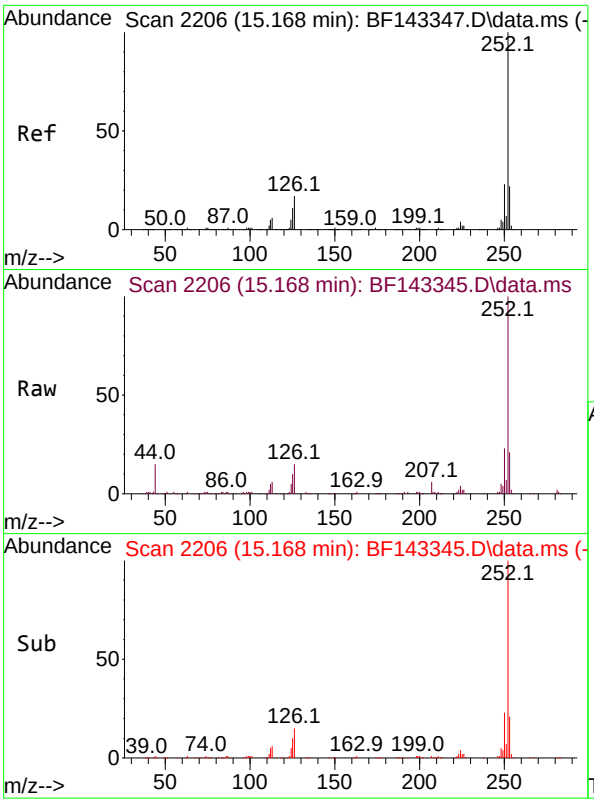


#88
Benzo(b)fluoranthene
Concen: 9.392 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 129605

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.2	7.8	11.6

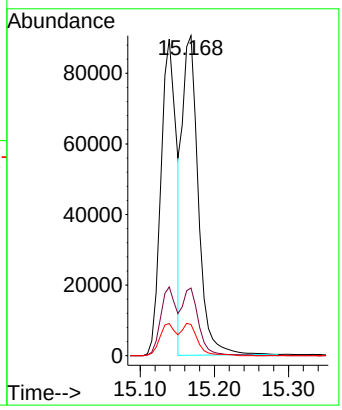




#89
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 13629

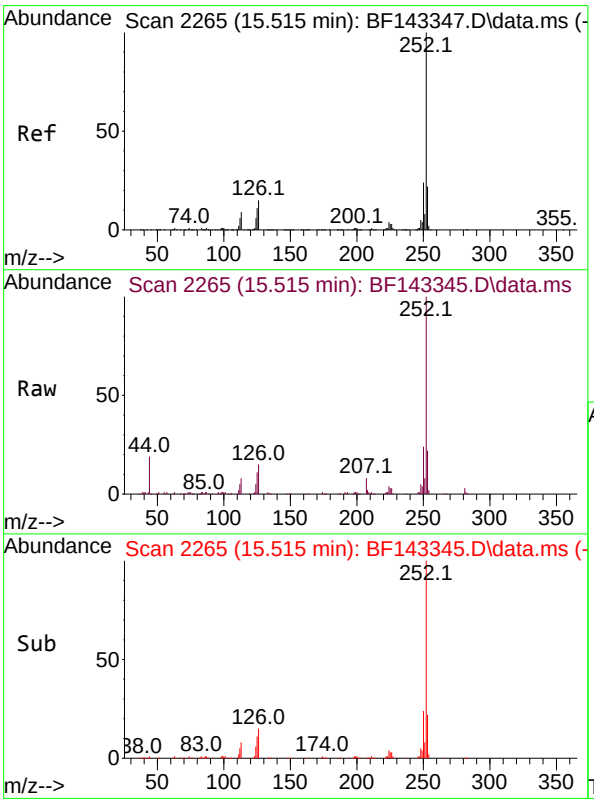
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	9.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

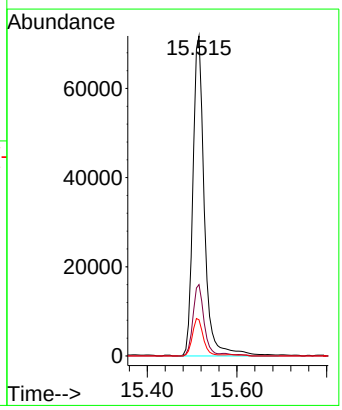
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

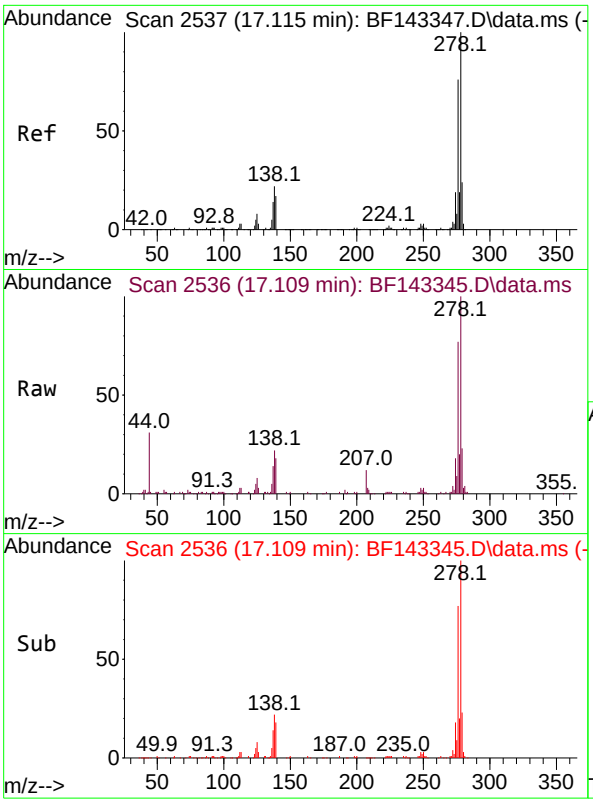


#90
Benzo(a)pyrene
Concen: 9.814 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 127540

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.3	9.1	13.7

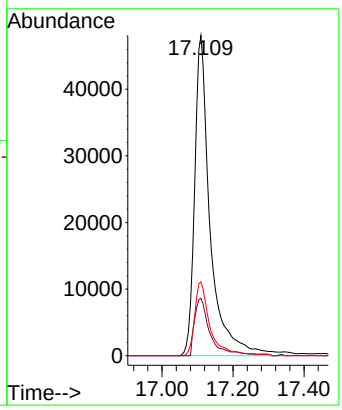




#91
Dibenzo(a,h)anthracene
Concen: 10.148 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:278 Resp: 14653

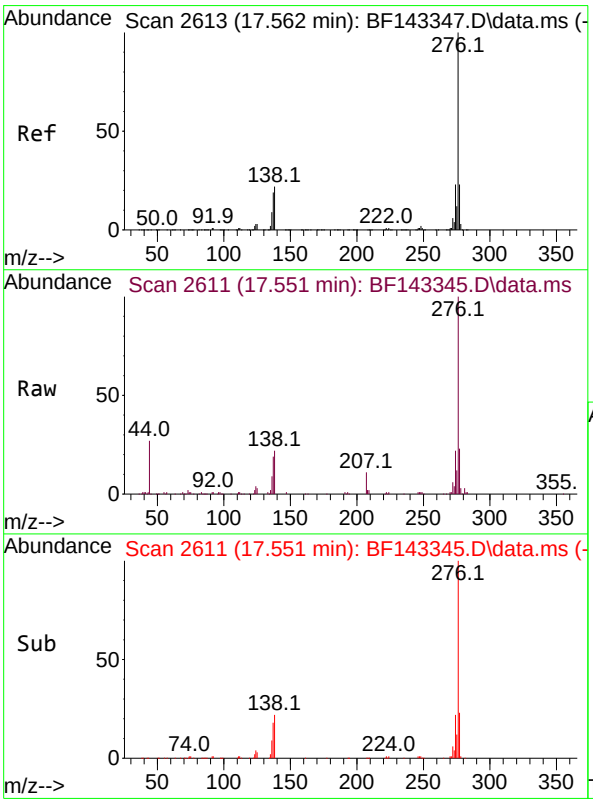
Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.0	21.0
279	23.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

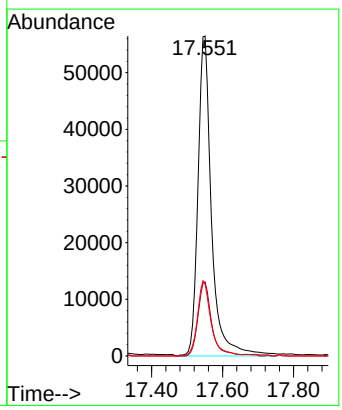
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 10.338 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 150383

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	22.4	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	168701	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	640356	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	345152	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	538915	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307753	20.000	ng	0.00
86) Perylene-d12	15.580	264	306974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407312	41.751	ng	0.00
7) Phenol-d6	6.557	99	520093	41.573	ng	0.00
23) Nitrobenzene-d5	7.486	82	433525	42.160	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	103035	40.847	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	886799	43.569	ng	0.00
79) Terphenyl-d14	13.027	244	798330	46.313	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	103635	20.529	ng	97
3) Pyridine	3.540	79	269381	20.025	ng	100
4) n-Nitrosodimethylamine	3.463	42	119909	19.135	ng	99
6) Aniline	6.587	93	367374	20.830	ng	99
8) 2-Chlorophenol	6.716	128	214531	20.580	ng	98
9) Benzaldehyde	6.481	77	186638	22.572	ng	99
10) Phenol	6.569	94	310854	20.975	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	224903	20.590	ng	99
12) 1,3-Dichlorobenzene	6.875	146	249994	20.792	ng	99
13) 1,4-Dichlorobenzene	6.945	146	250438	20.753	ng	99
14) 1,2-Dichlorobenzene	7.098	146	237306	20.716	ng	99
15) Benzyl Alcohol	7.063	79	180344	20.110	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	410762	21.064	ng	95
17) 2-Methylphenol	7.175	107	181753	20.655	ng	99
18) Hexachloroethane	7.445	117	77573	20.504	ng	98
19) n-Nitroso-di-n-propyla...	7.334	70	161440	20.884	ng	98
20) 3+4-Methylphenols	7.328	107	231589	21.762	ng	96
22) Acetophenone	7.334	105	304419	21.576	ng	97
24) Nitrobenzene	7.504	77	234624	21.009	ng	98
25) Isophorone	7.745	82	437206	20.827	ng	99
26) 2-Nitrophenol	7.822	139	70117	18.121	ng	96
27) 2,4-Dimethylphenol	7.857	122	184676	21.087	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	272180	21.236	ng	98
29) 2,4-Dichlorophenol	8.069	162	182884	21.380	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	191714	21.247	ng	99
31) Naphthalene	8.233	128	658723	21.378	ng	100
32) Benzoic acid	7.951	122	54709	19.373	ng	97
33) 4-Chloroaniline	8.275	127	235075	21.152	ng	98
34) Hexachlorobutadiene	8.351	225	119600	21.308	ng	99
35) Caprolactam	8.622	113	46828	19.474	ng	91
36) 4-Chloro-3-methylphenol	8.757	107	189645	21.148	ng	98
37) 2-Methylnaphthalene	8.922	142	436344	21.540	ng	100
38) 1-Methylnaphthalene	9.022	142	417915	21.421	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	198354	21.001	ng	99
41) Hexachlorocyclopentadiene	9.081	237	44965	19.003	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	109203	20.378	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

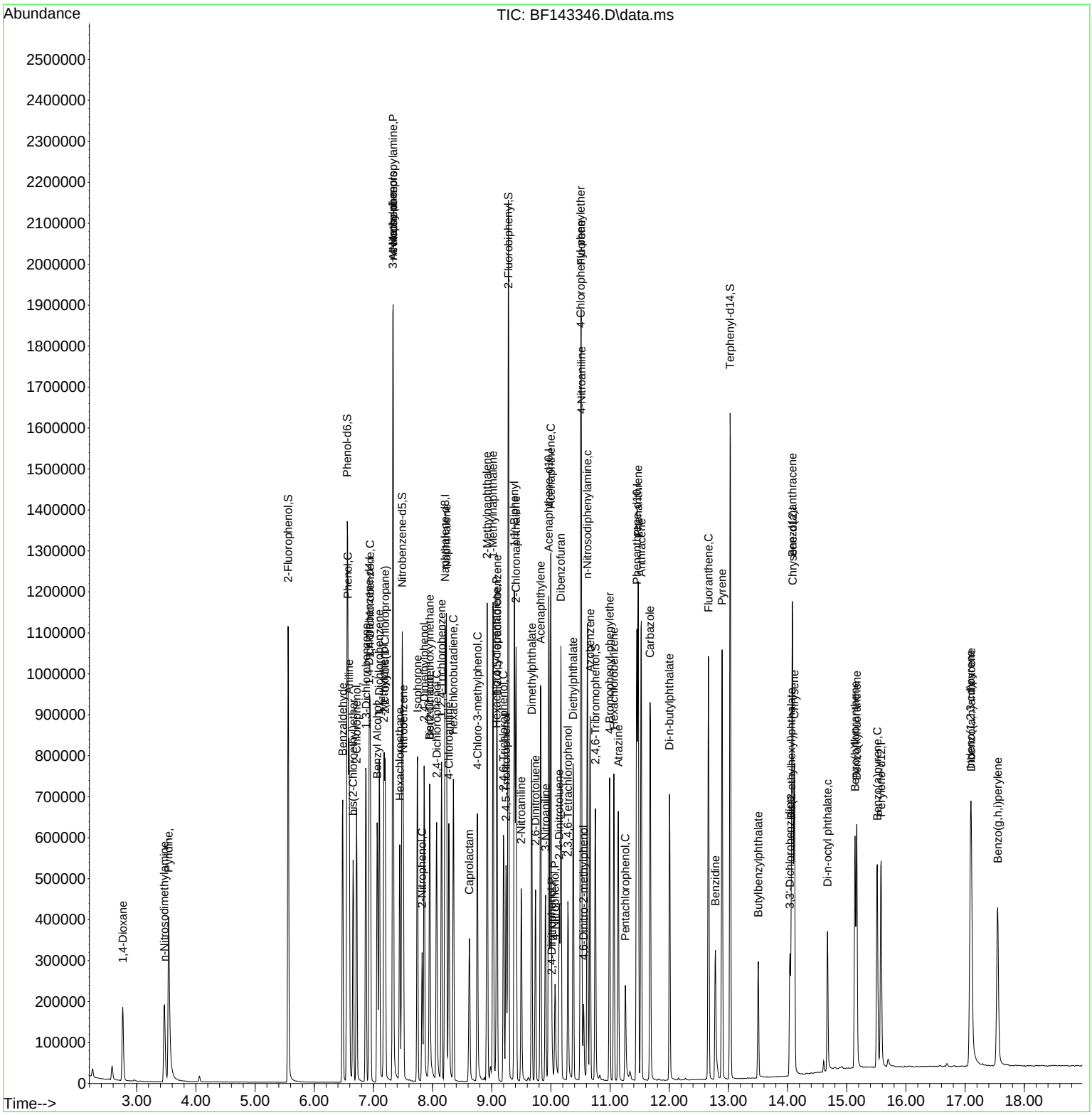
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	126432	20.892	ng		98
46) 1,1'-Biphenyl	9.380	154	523392	21.447	ng		99
47) 2-Chloronaphthalene	9.410	162	407385	21.196	ng		99
48) 2-Nitroaniline	9.498	65	96206	19.121	ng		97
49) Acenaphthylene	9.828	152	593246	21.374	ng		99
50) Dimethylphthalate	9.675	163	429516	21.297	ng		100
51) 2,6-Dinitrotoluene	9.739	165	65043	18.954	ng		95
52) Acenaphthene	9.998	154	386752	20.959	ng		98
53) 3-Nitroaniline	9.910	138	86436	20.928	ng		99
54) 2,4-Dinitrophenol	10.016	184	15765	19.272	ng	#	13
55) Dibenzofuran	10.169	168	564025	21.238	ng		100
56) 4-Nitrophenol	10.069	139	50785	19.809	ng		99
57) 2,4-Dinitrotoluene	10.139	165	88718	19.432	ng		94
58) Fluorene	10.510	166	431847	21.289	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	81483	19.975	ng		99
60) Diethylphthalate	10.375	149	390634	21.624	ng		100
61) 4-Chlorophenyl-phenyle...	10.504	204	207053	21.124	ng		99
62) 4-Nitroaniline	10.516	138	87370	21.864	ng		99
63) Azobenzene	10.663	77	443476	21.493	ng		99
65) 4,6-Dinitro-2-methylph...	10.551	198	29324	18.676	ng		94
66) n-Nitrosodiphenylamine	10.616	169	363227	20.469	ng		100
67) 4-Bromophenyl-phenylether	10.992	248	125072	20.293	ng		97
68) Hexachlorobenzene	11.063	284	134796	20.290	ng		98
69) Atrazine	11.139	200	100549	21.725	ng		100
70) Pentachlorophenol	11.257	266	47147	19.347	ng		99
71) Phenanthrene	11.474	178	622794	21.181	ng		99
72) Anthracene	11.527	178	638169	21.401	ng		98
73) Carbazole	11.674	167	548030	21.580	ng		100
74) Di-n-butylphthalate	12.004	149	479230	22.300	ng		99
75) Fluoranthene	12.663	202	566275	21.986	ng		99
77) Benzidine	12.780	184	201097	23.901	ng		99
78) Pyrene	12.892	202	587878	22.771	ng		100
80) Butylbenzylphthalate	13.504	149	83834	18.636	ng		99
81) Benzo(a)anthracene	14.080	228	412056	21.066	ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	100529	19.033	ng		100
83) Chrysene	14.115	228	369066	20.235	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	107115	17.077	ng		99
85) Di-n-octyl phthalate	14.674	149	213024	18.493	ng		100
87) Indeno(1,2,3-cd)pyrene	17.092	276	454164	20.651	ng		99
88) Benzo(b)fluoranthene	15.139	252	335316	19.971	ng		99
89) Benzo(k)fluoranthene	15.168	252	355480	21.789	ng		99
90) Benzo(a)pyrene	15.515	252	325450	20.580	ng		99
91) Dibenzo(a,h)anthracene	17.104	278	363491	20.688	ng		98
92) Benzo(g,h,i)perylene	17.551	276	364540	20.596	ng		99

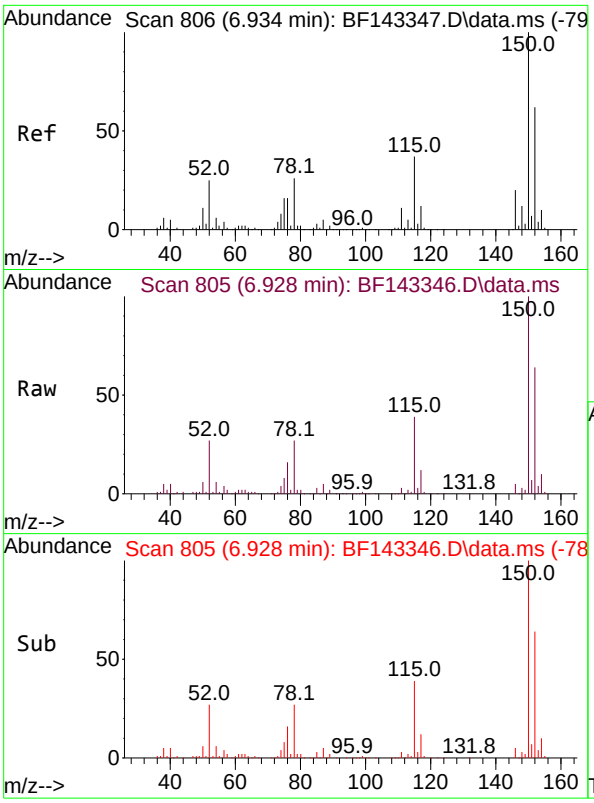
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



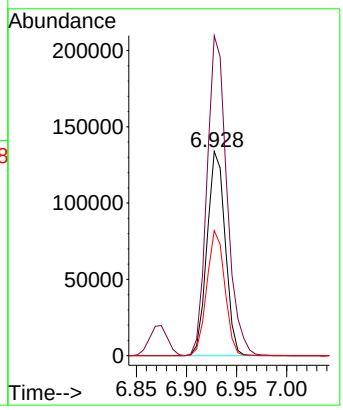


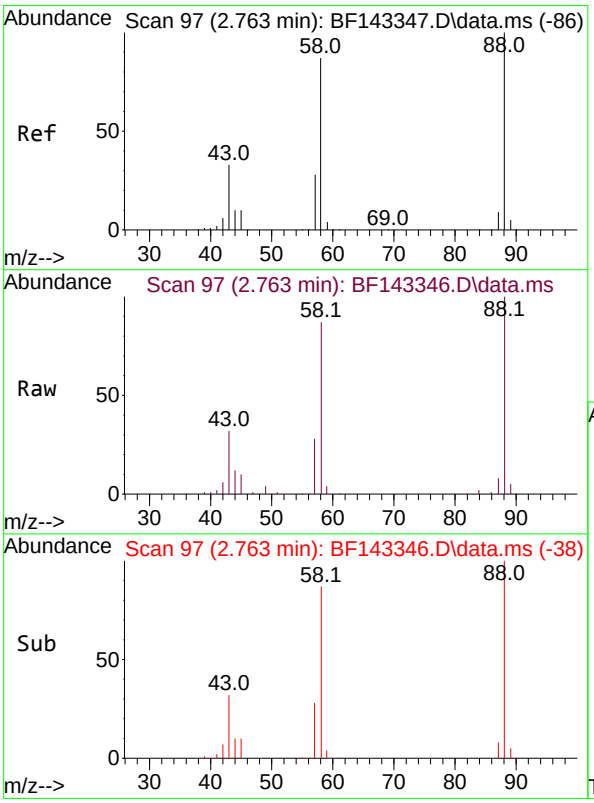
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 168701

Ion	Ratio	Lower	Upper
152	100		
150	156.6	129.8	194.8
115	61.3	47.8	71.8

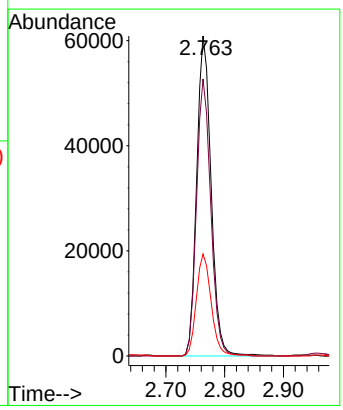


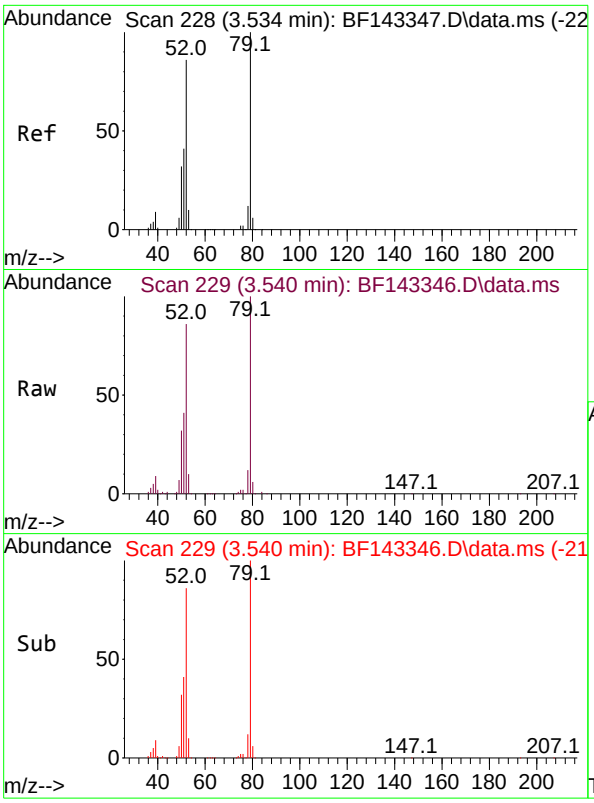


#2
1,4-Dioxane
Concen: 20.529 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 88 Resp: 103635

Ion	Ratio	Lower	Upper
88	100		
58	85.7	71.0	106.6
43	32.6	27.0	40.6



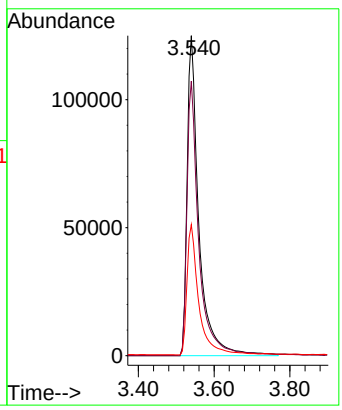


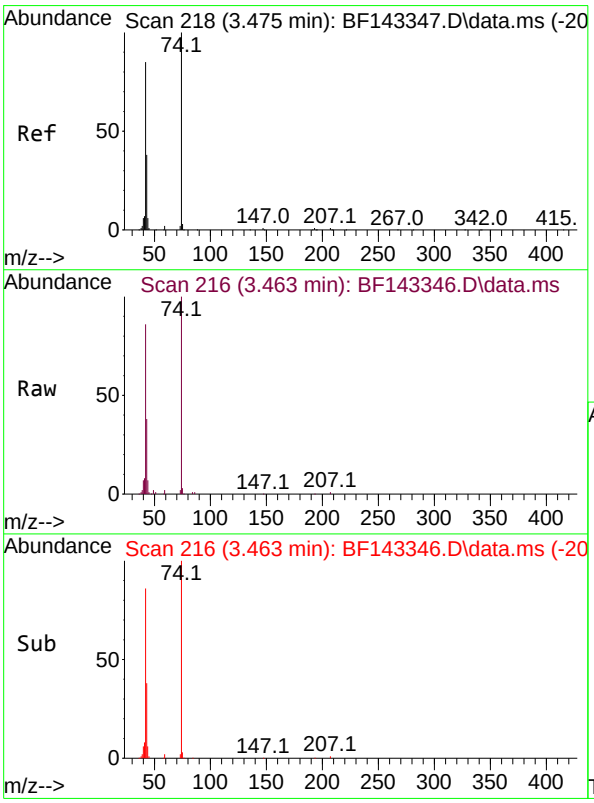
#3
Pyridine
Concen: 20.025 ng
RT: 3.540 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 269381

Ion	Ratio	Lower	Upper
79	100		
52	85.8	68.7	103.1
51	40.9	33.4	50.0

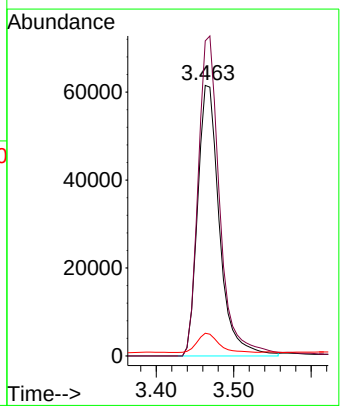


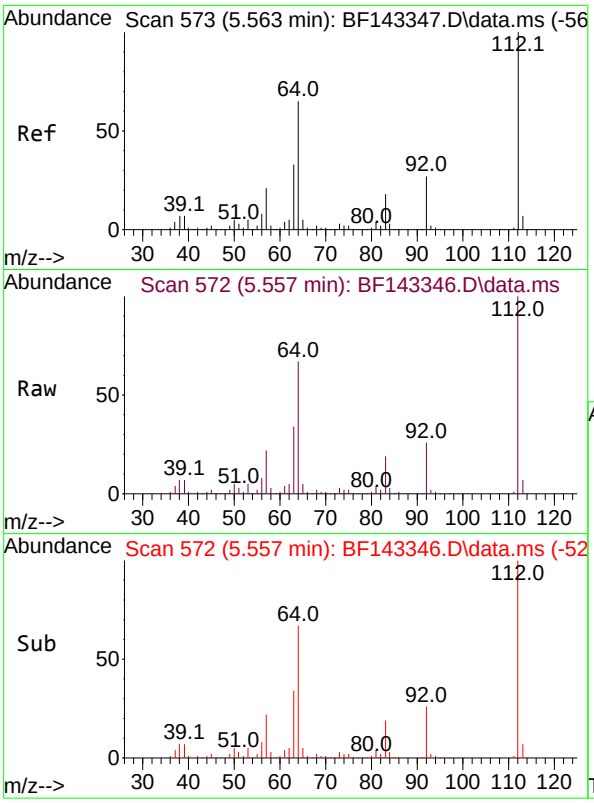


#4
n-Nitrosodimethylamine
Concen: 19.135 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 42 Resp: 119909

Ion	Ratio	Lower	Upper
42	100		
74	116.4	94.1	141.1
44	8.4	6.5	9.7



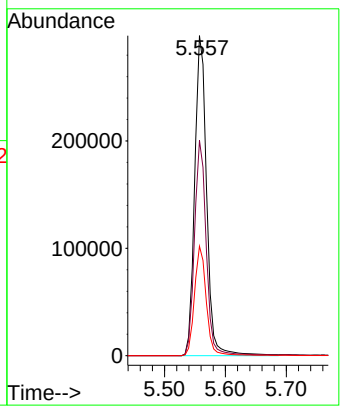


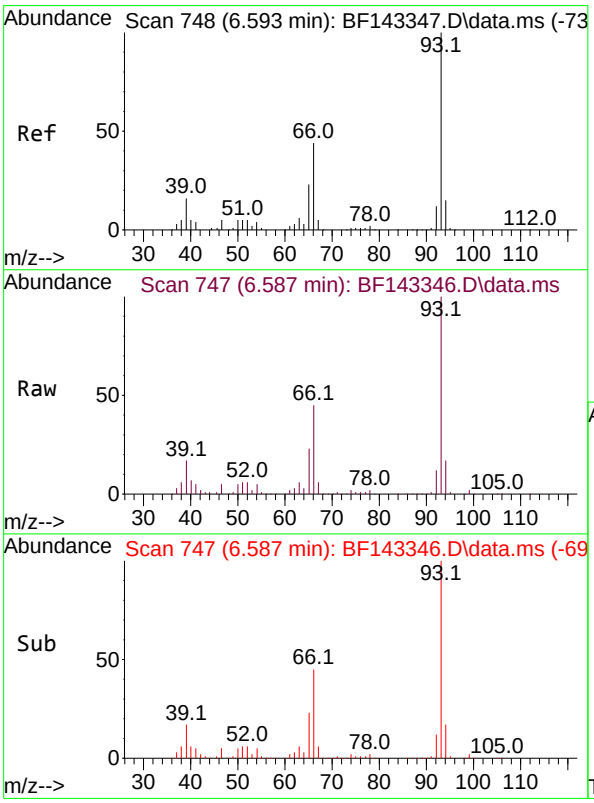
#5
2-Fluorophenol
Concen: 41.751 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 407312

Ion	Ratio	Lower	Upper
112	100		
64	67.2	52.1	78.1
63	34.2	26.6	39.8

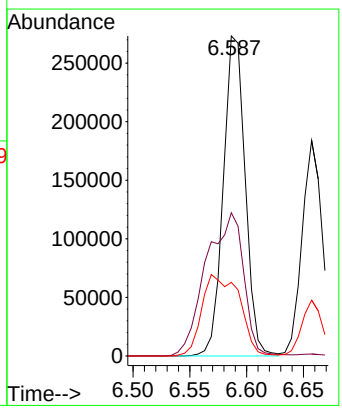


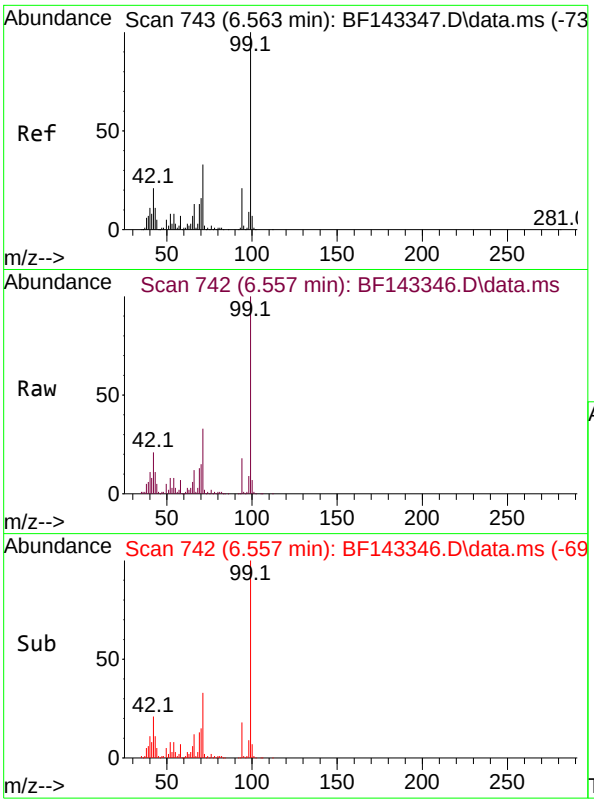


#6
Aniline
Concen: 20.830 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 93 Resp: 367374

Ion	Ratio	Lower	Upper
93	100		
66	44.7	35.3	52.9
65	23.0	18.2	27.4



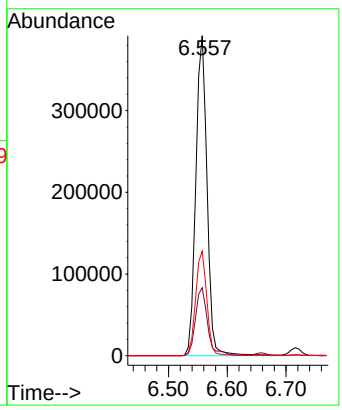


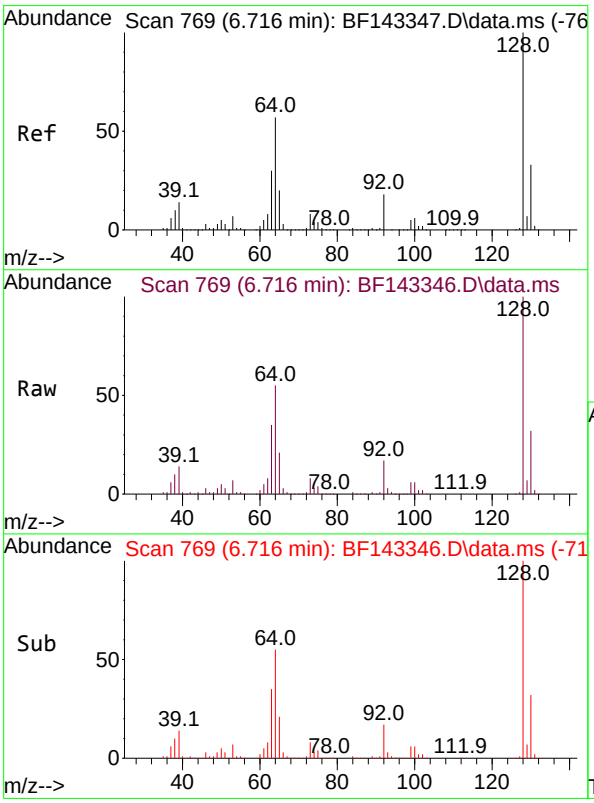
#7
Phenol-d6
Concen: 41.573 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 520093

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.6	25.0
71	32.7	26.2	39.2

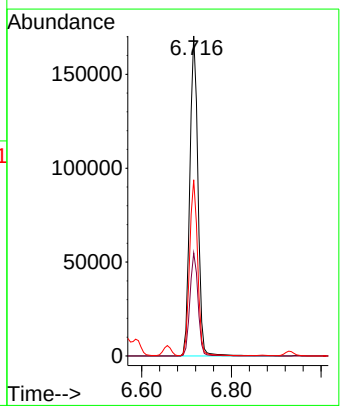


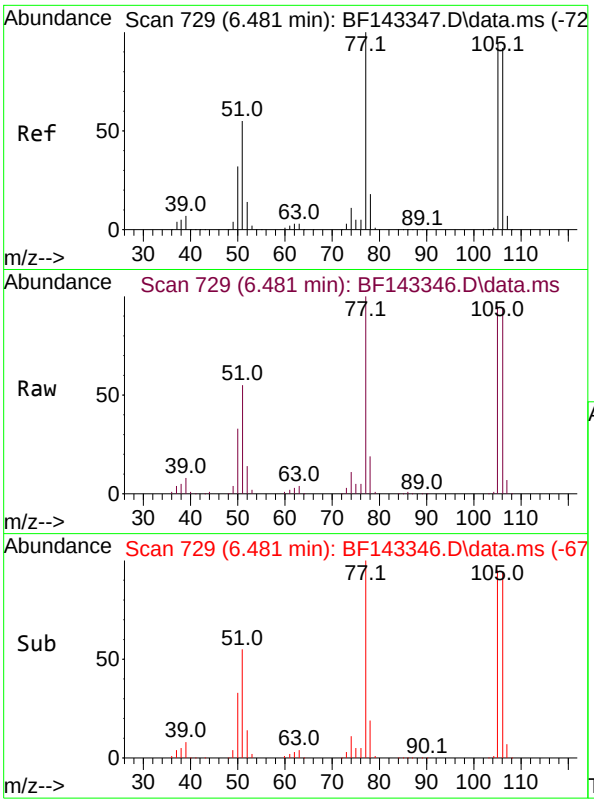


#8
2-Chlorophenol
Concen: 20.580 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:128 Resp: 214531

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	55.1	36.7	76.7



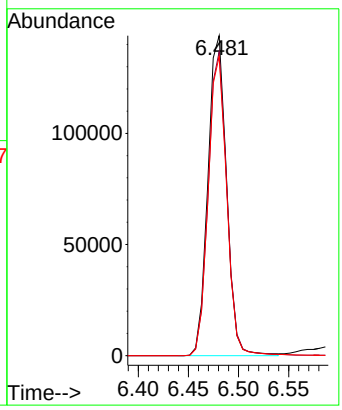


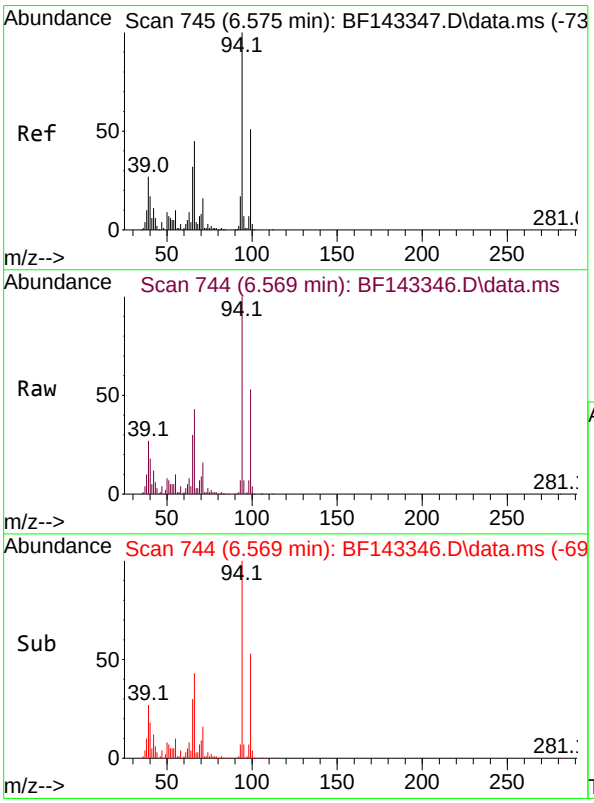
#9
Benzaldehyde
Concen: 22.572 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 186638

Ion	Ratio	Lower	Upper
77	100		
105	95.0	74.2	114.2
106	93.5	72.2	112.2

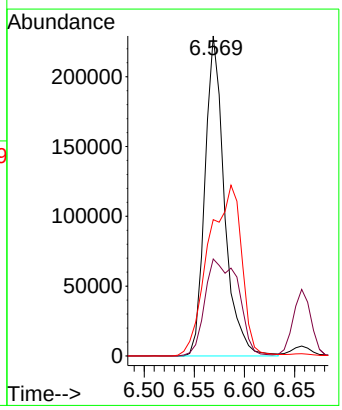


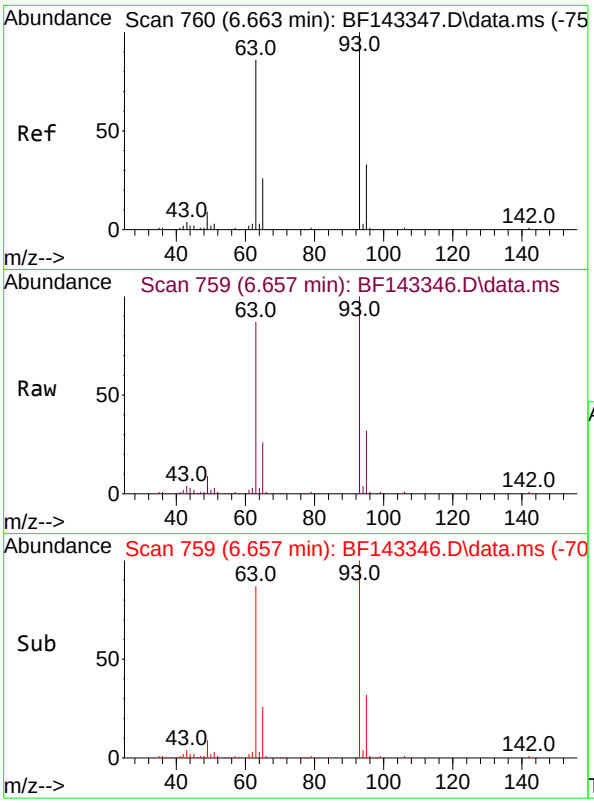


#10
Phenol
Concen: 20.975 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 94 Resp: 310854

Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	42.6	25.6	65.6



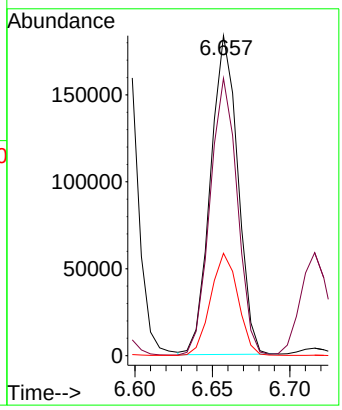


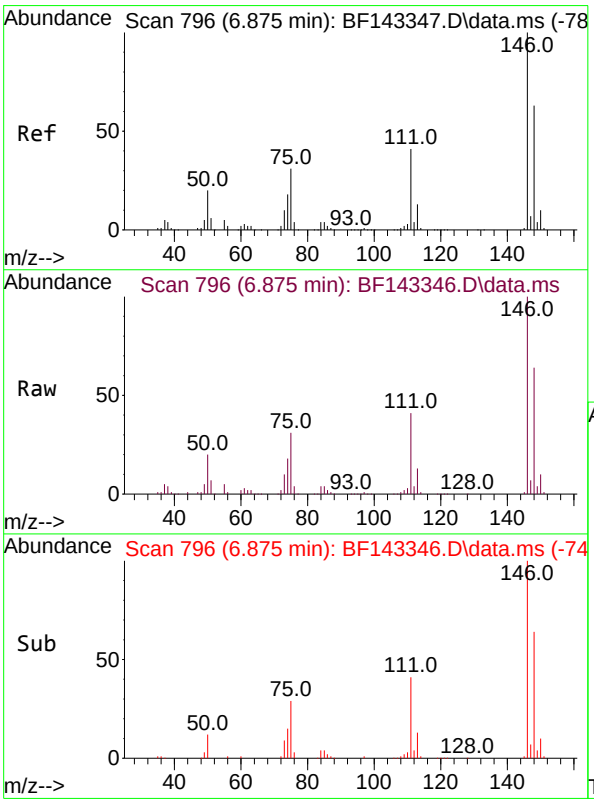
#11
bis(2-Chloroethyl)ether
Concen: 20.590 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 224903

Ion	Ratio	Lower	Upper
93	100		
63	86.7	65.7	105.7
95	32.0	13.0	53.0

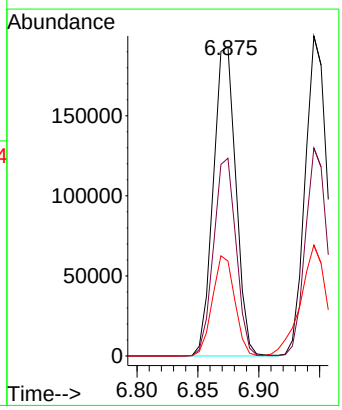


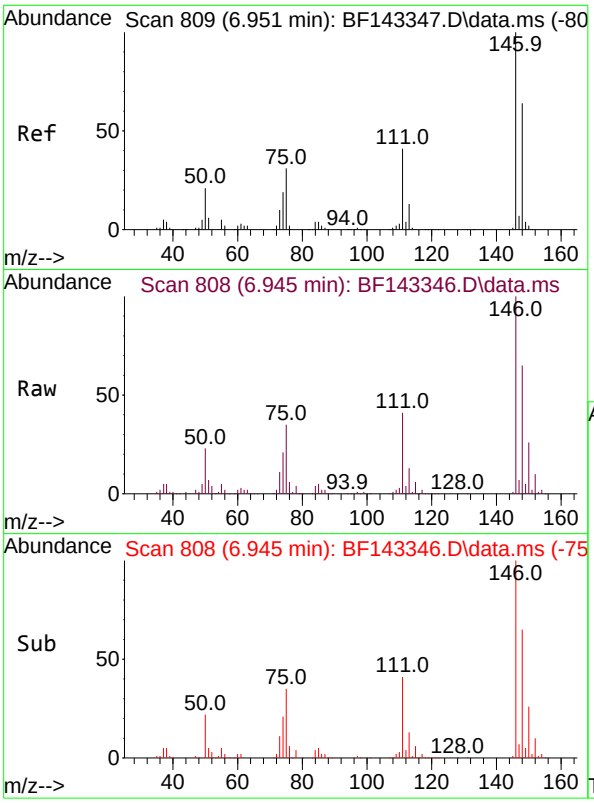


#12
1,3-Dichlorobenzene
Concen: 20.792 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:146 Resp: 249994

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.7	24.9	37.3



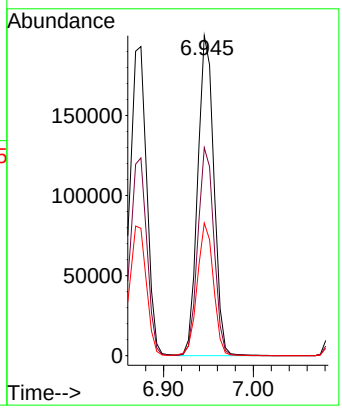


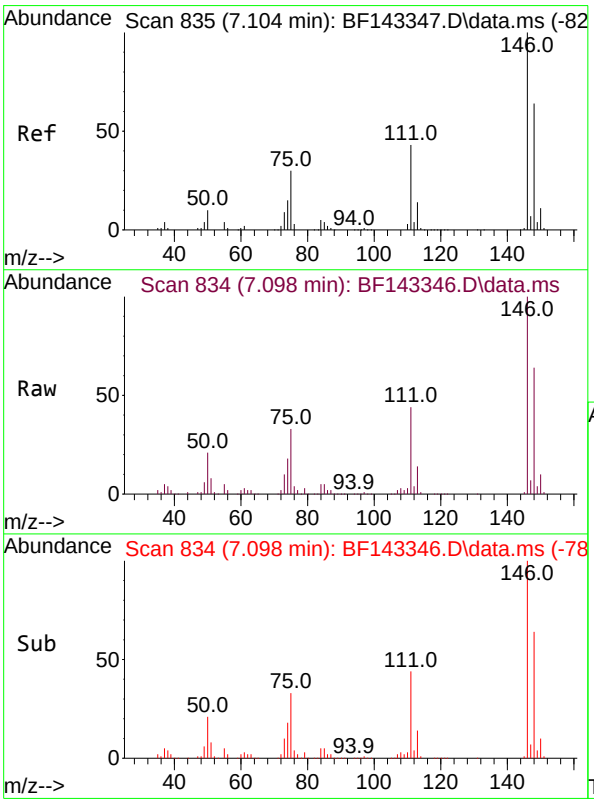
#13
1,4-Dichlorobenzene
Concen: 20.753 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 250438

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.0
111	41.4	32.6	48.8

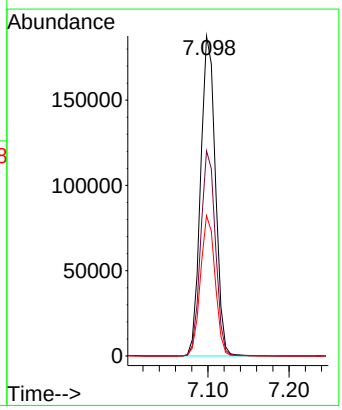


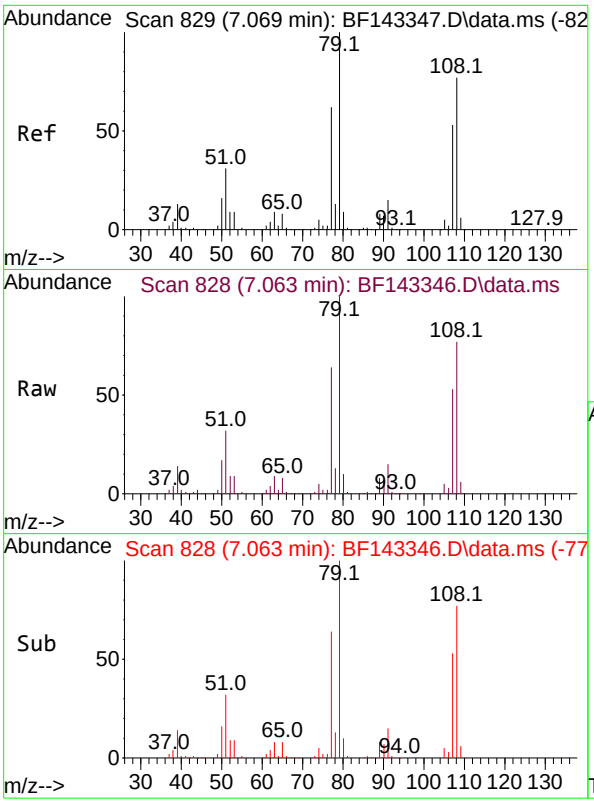


#14
1,2-Dichlorobenzene
Concen: 20.716 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:146 Resp: 237306

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	43.8	34.1	51.1



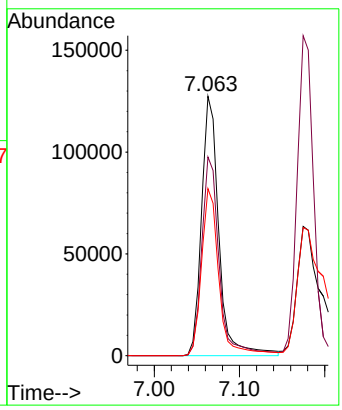


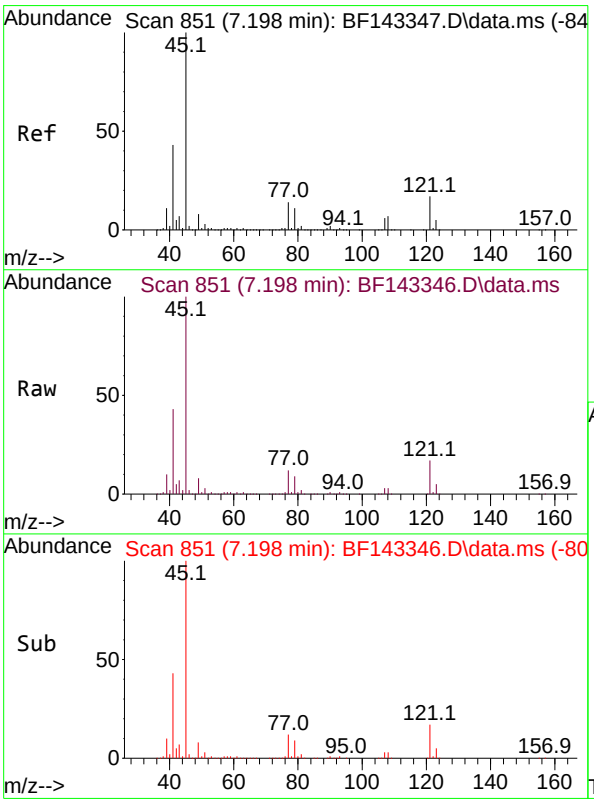
#15
Benzyl Alcohol
Concen: 20.110 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 180344

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.5	92.3
77	64.4	49.8	74.8

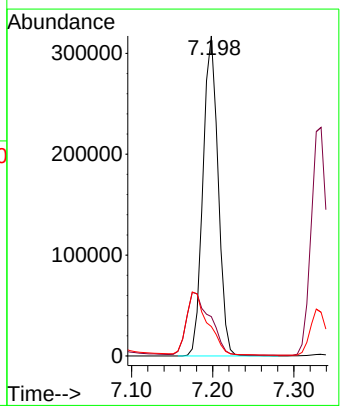


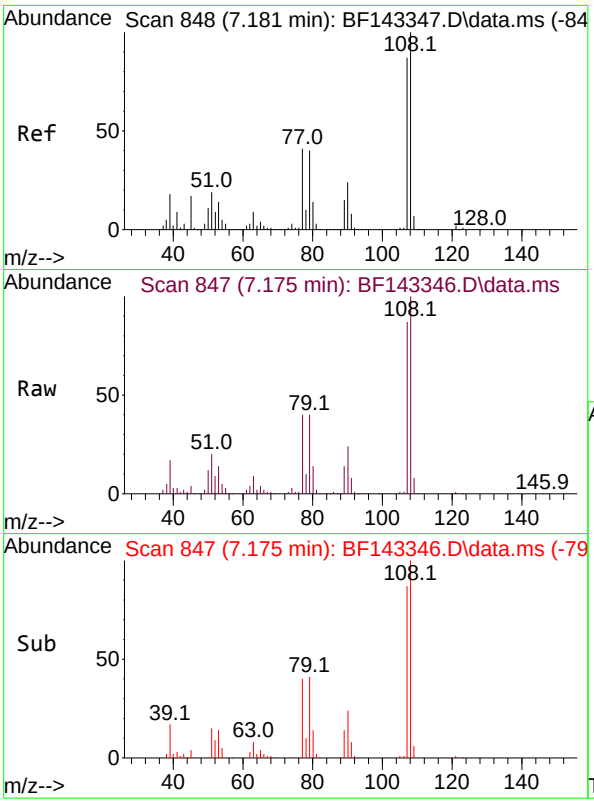


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.064 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 45 Resp: 410762

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	34.0
79	9.2	0.0	31.1



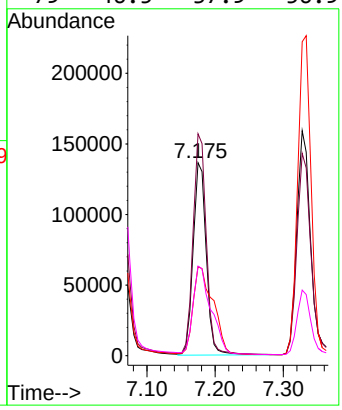


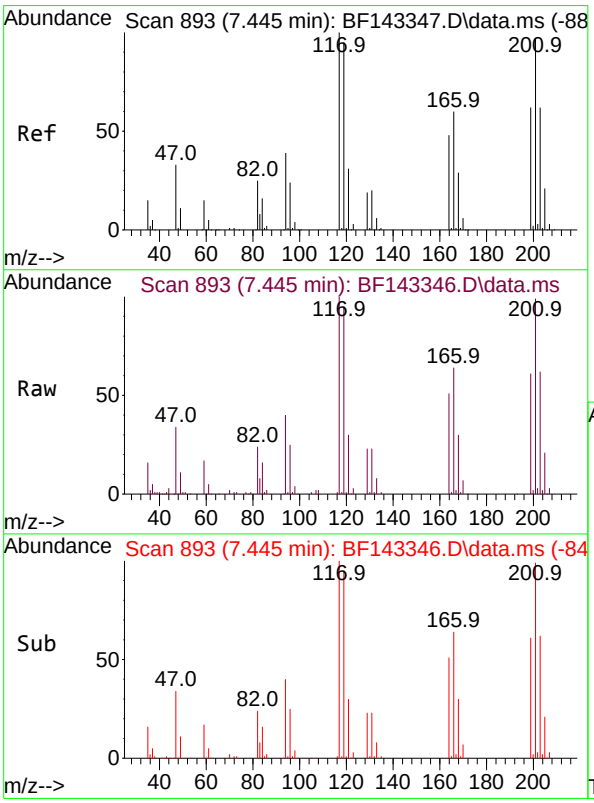
#17
2-Methylphenol
Concen: 20.655 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 181753

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	46.1	38.2	57.2
79	46.5	37.9	56.9

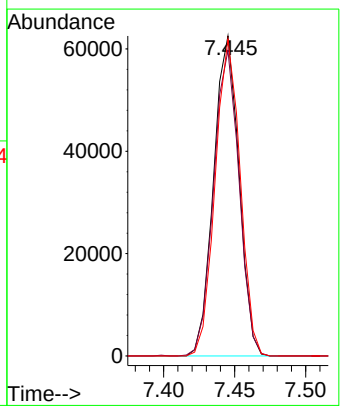


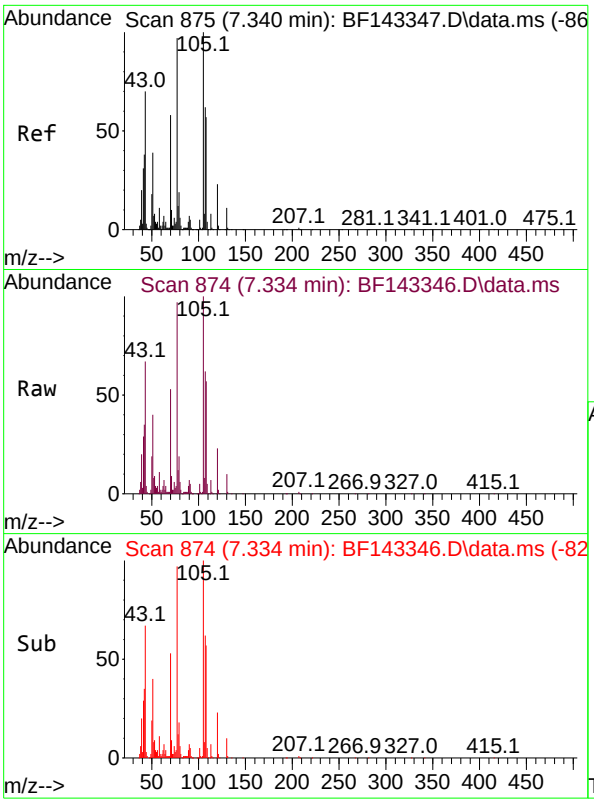


#18
Hexachloroethane
Concen: 20.504 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:117 Resp: 77573

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	99.0	77.2	115.8



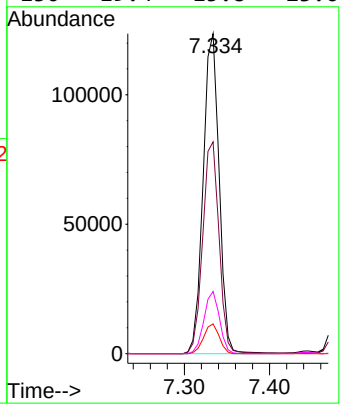


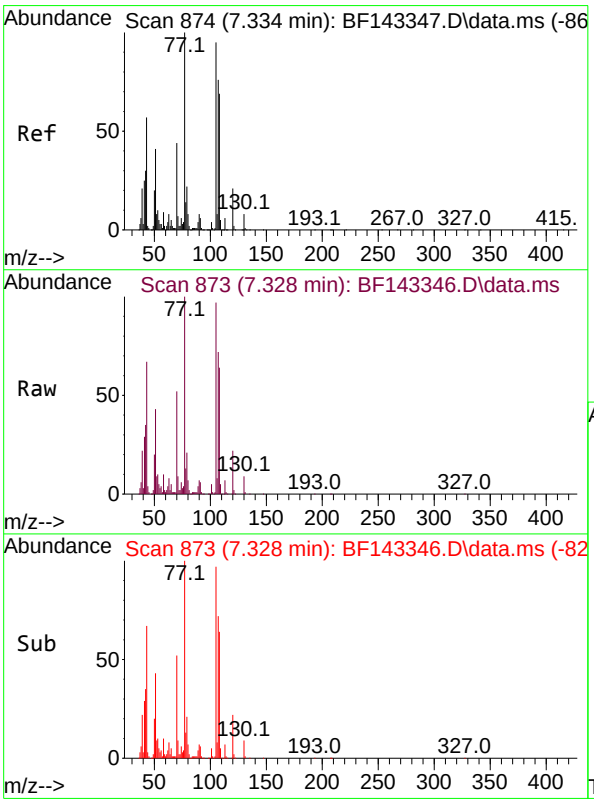
#19
n-Nitroso-di-n-propylamine
Concen: 20.884 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 161440

Ion	Ratio	Lower	Upper
70	100		
42	66.2	51.6	77.4
101	9.3	7.5	11.3
130	19.4	15.8	23.6

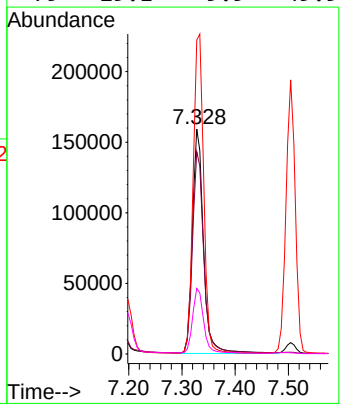


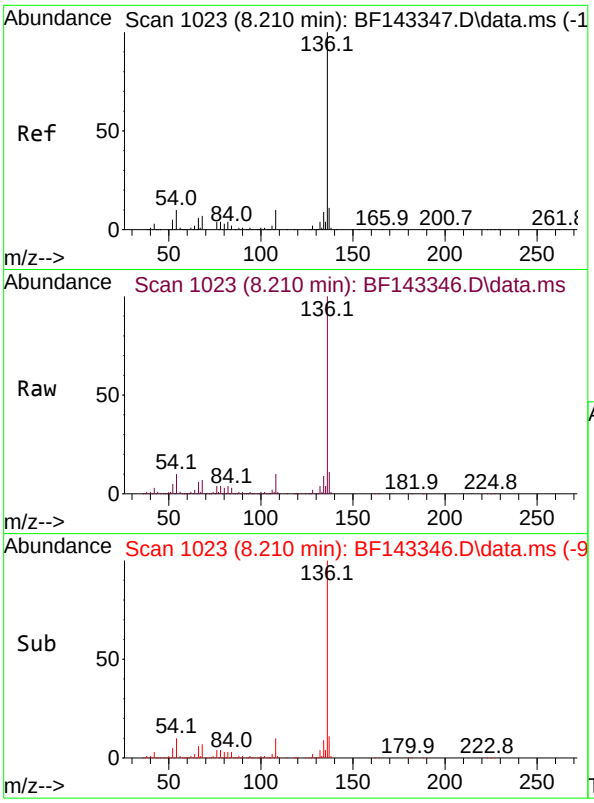


#20
3+4-Methylphenols
Concen: 21.762 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 231589

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.6	110.6
77	139.5	112.0	152.0
79	29.1	9.9	49.9



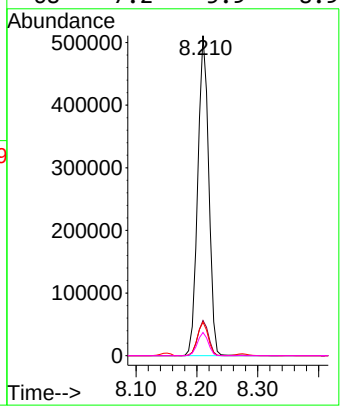


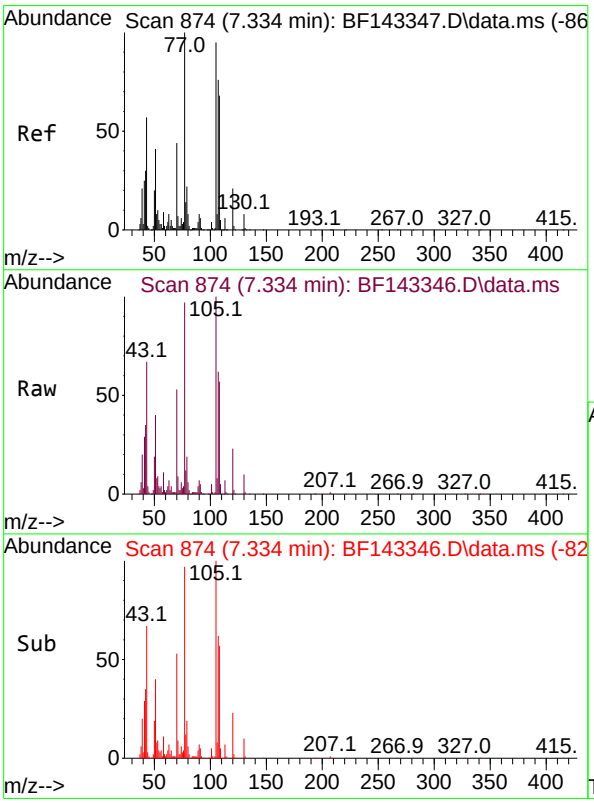
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 640356

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.4	12.6
68	7.2	5.9	8.9

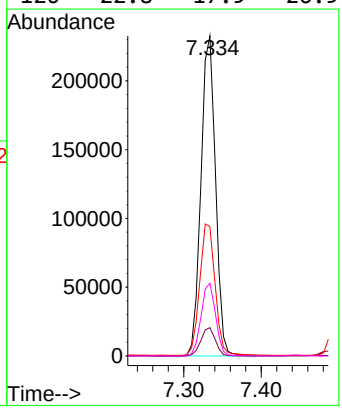


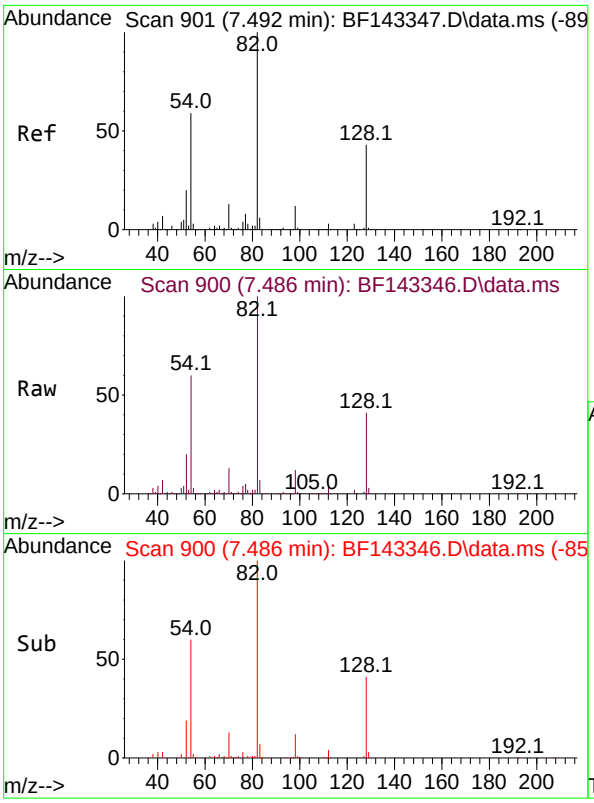


#22
Acetophenone
Concen: 21.576 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:105 Resp: 304419

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	40.5	34.8	52.2
120	22.8	17.9	26.9



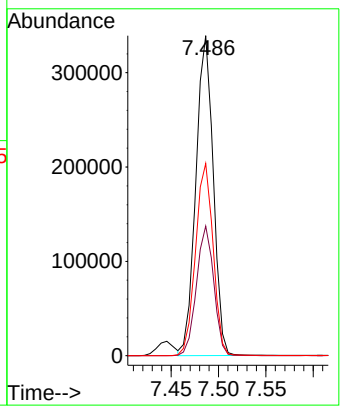


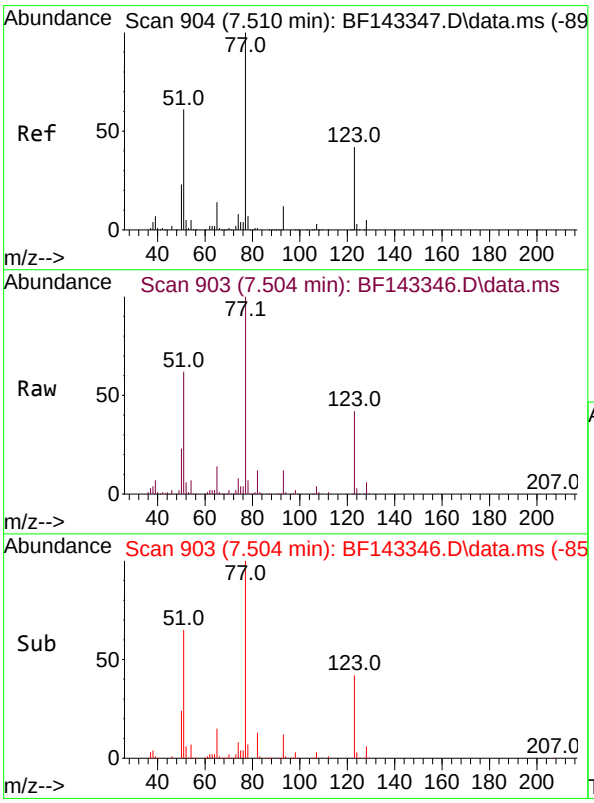
#23
Nitrobenzene-d5
Concen: 42.160 ng
RT: 7.486 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 433525

Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.5	50.3
54	60.0	46.7	70.1

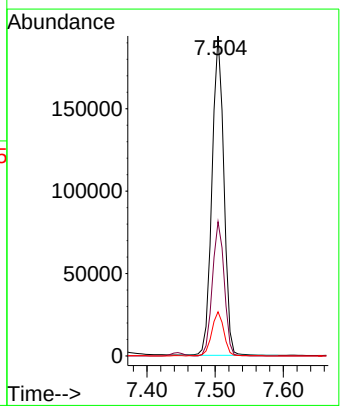


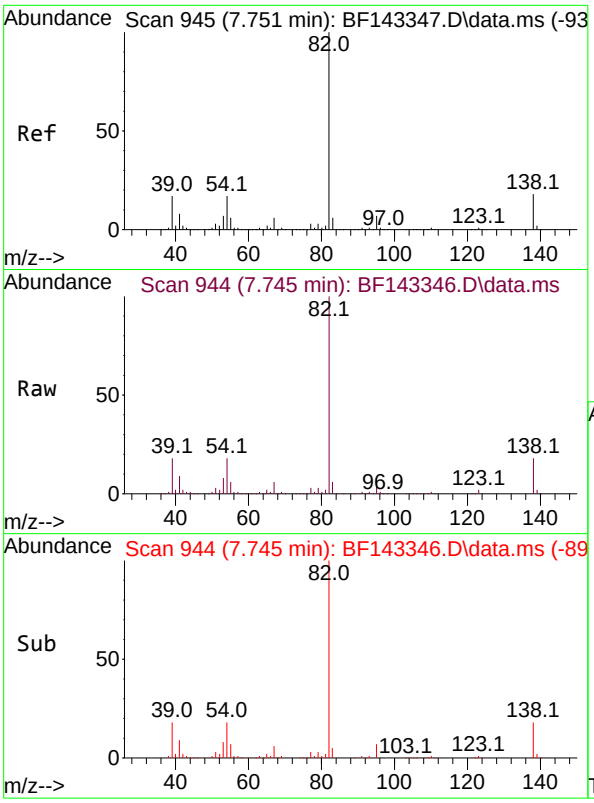


#24
Nitrobenzene
Concen: 21.009 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 77 Resp: 234624

Ion	Ratio	Lower	Upper
77	100		
123	41.9	34.8	52.2
65	13.8	11.0	16.6



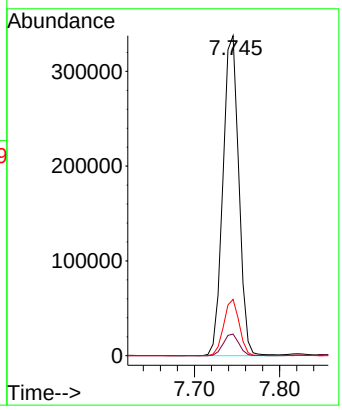


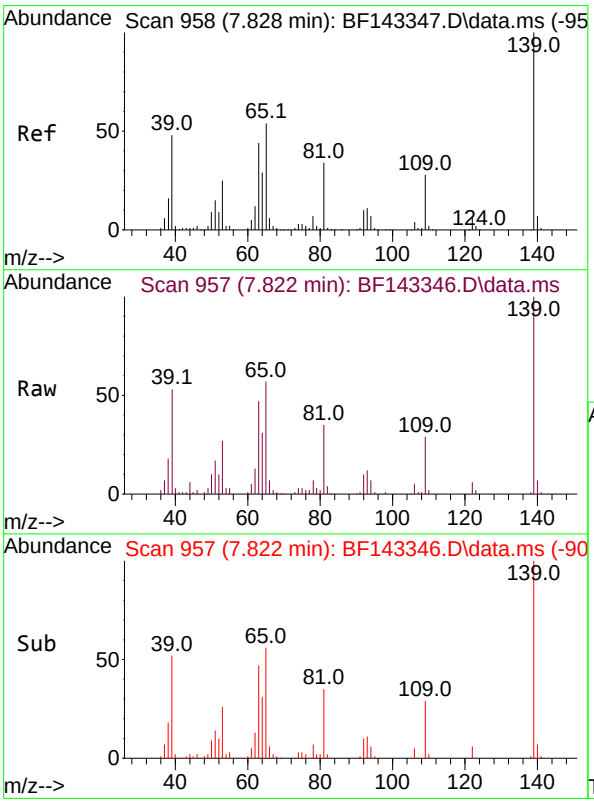
#25
Isophorone
Concen: 20.827 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 437206

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.6	14.6	21.8

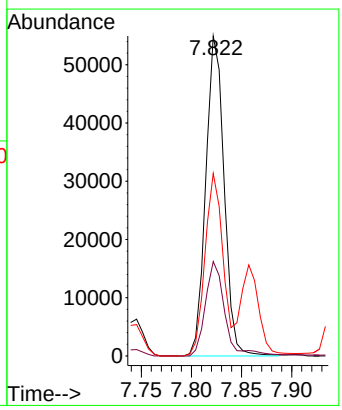


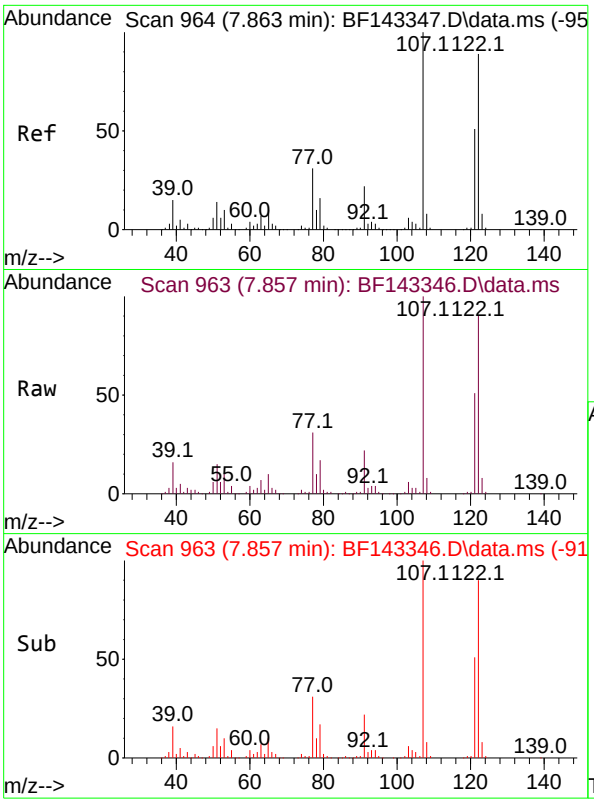


#26
2-Nitrophenol
Concen: 18.121 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 70117

Ion	Ratio	Lower	Upper
139	100		
109	29.5	22.4	33.6
65	57.1	42.9	64.3



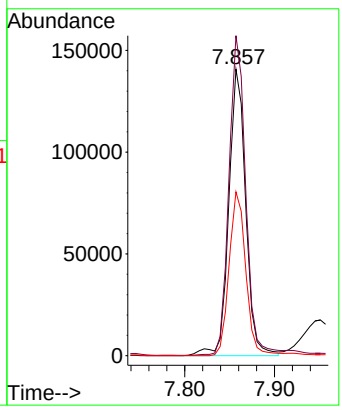


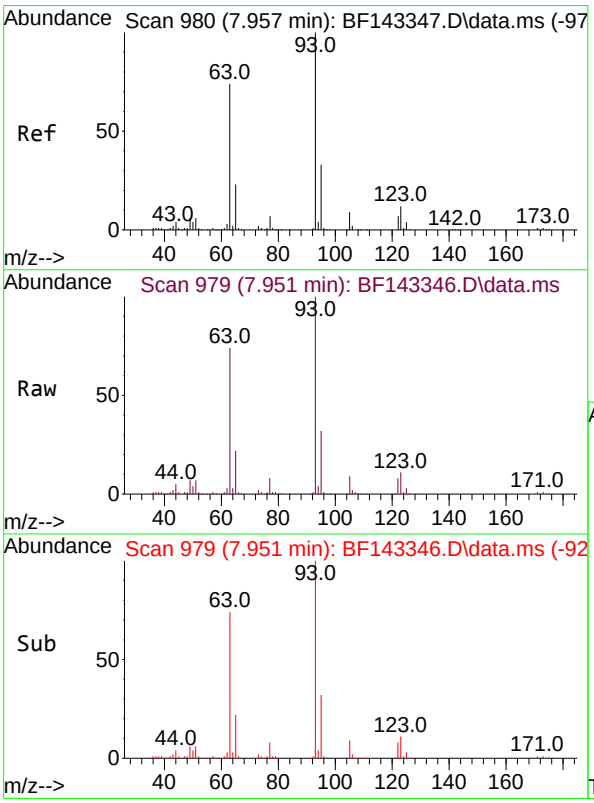
#27
2,4-Dimethylphenol
Concen: 21.087 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 184676

Ion	Ratio	Lower	Upper
122	100		
107	111.7	89.9	134.9
121	57.2	46.2	69.4

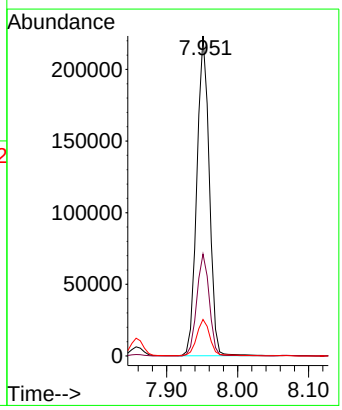


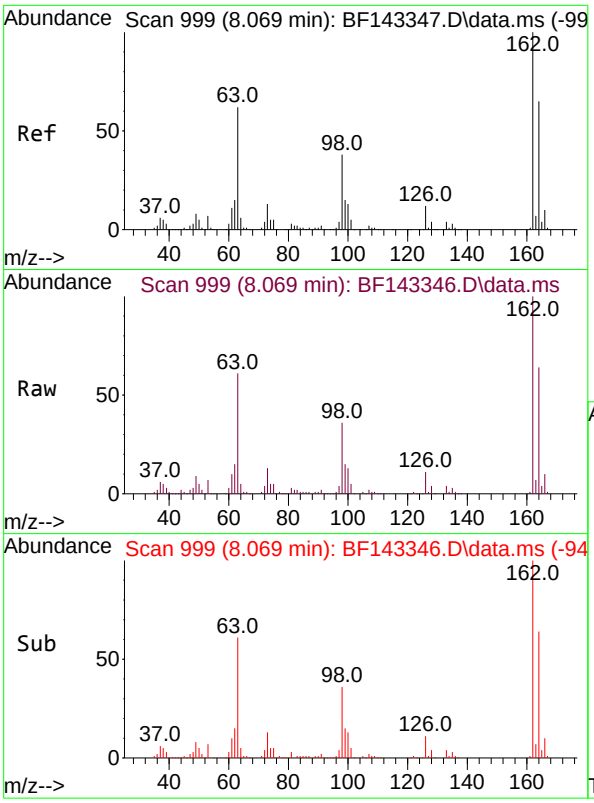


#28
bis(2-Chloroethoxy)methane
Concen: 21.236 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 93 Resp: 272180

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.4
123	11.4	9.4	14.2



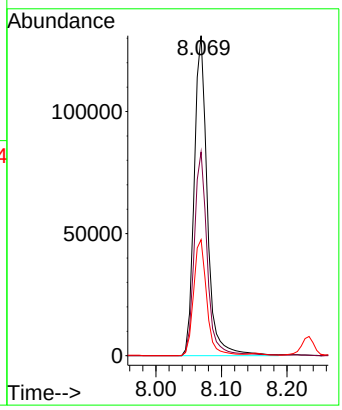


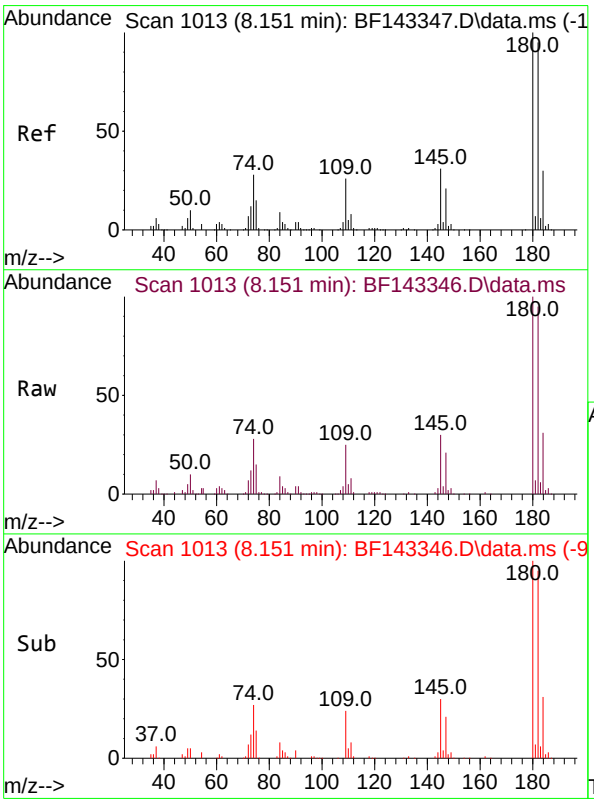
#29
2,4-Dichlorophenol
Concen: 21.380 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 182884

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.5	84.5
98	36.2	17.7	57.7

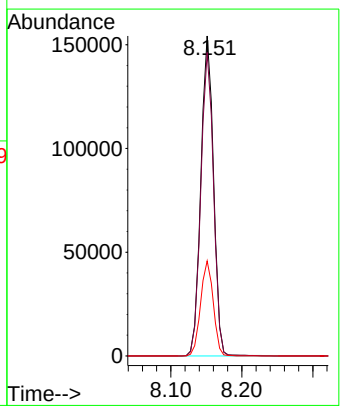


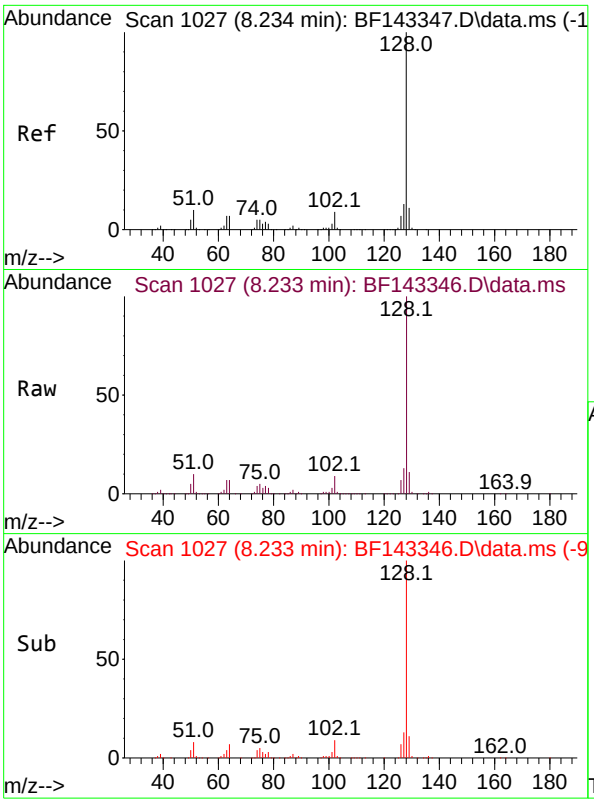


#30
1,2,4-Trichlorobenzene
Concen: 21.247 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:180 Resp: 191714

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	29.7	24.9	37.3



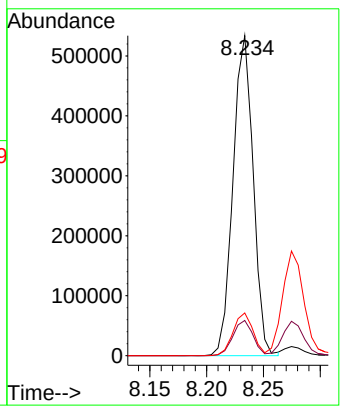


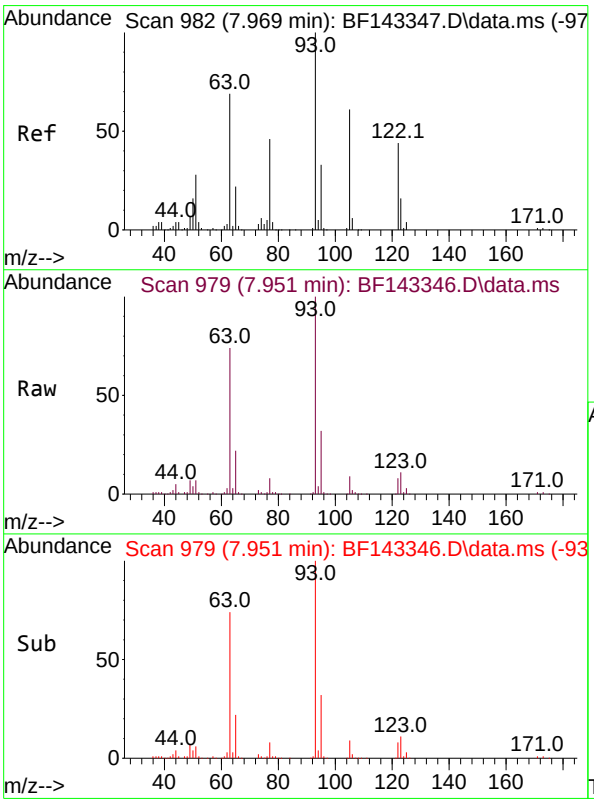
#31
Naphthalene
Concen: 21.378 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 658723

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.7	16.1

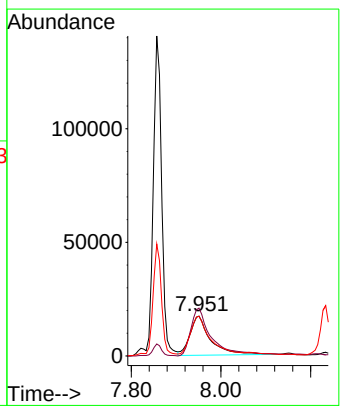


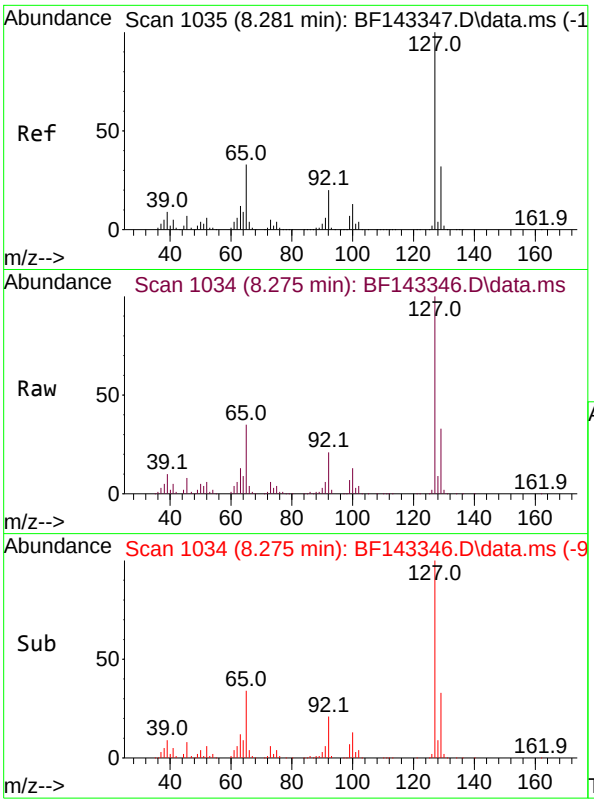


#32
Benzoic acid
Concen: 19.373 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:122 Resp: 54709

Ion	Ratio	Lower	Upper
122	100		
105	120.0	106.4	146.4
77	99.4	79.2	119.2



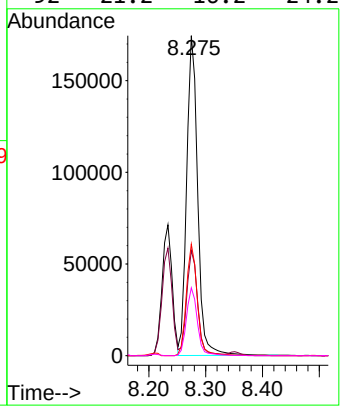


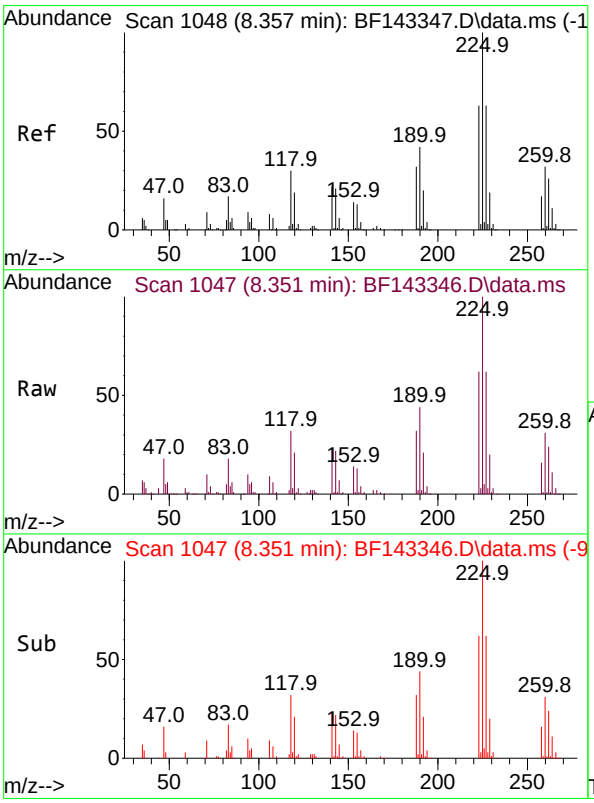
#33
4-Chloroaniline
Concen: 21.152 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 235075

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.8	27.0	40.4
92	21.2	16.2	24.2

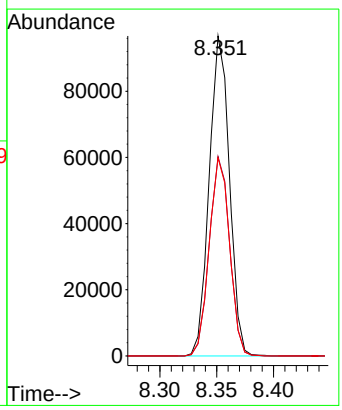


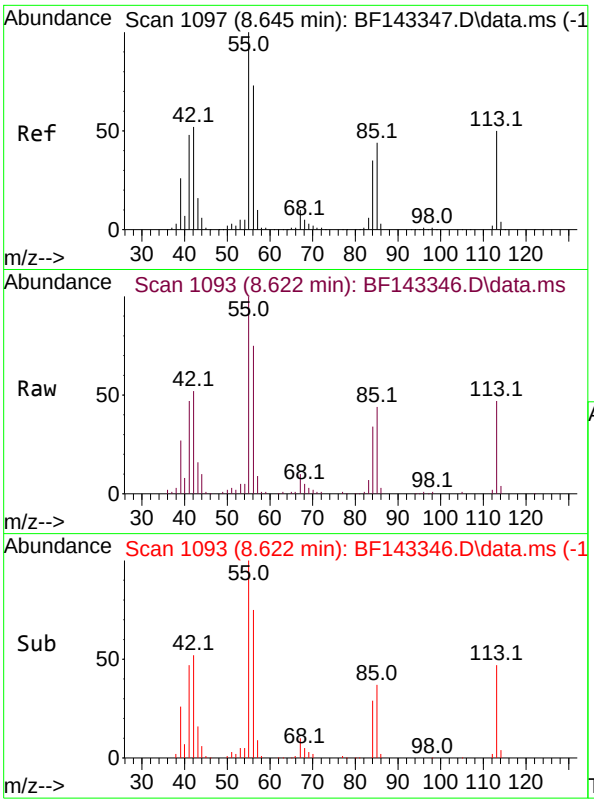


#34
Hexachlorobutadiene
Concen: 21.308 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:225 Resp: 119600

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	61.9	50.6	75.8



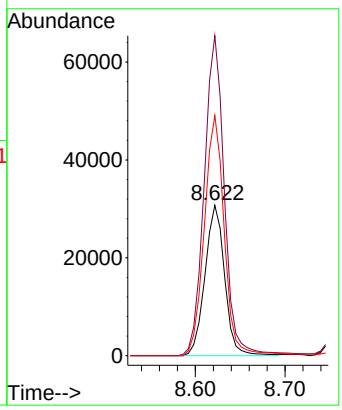


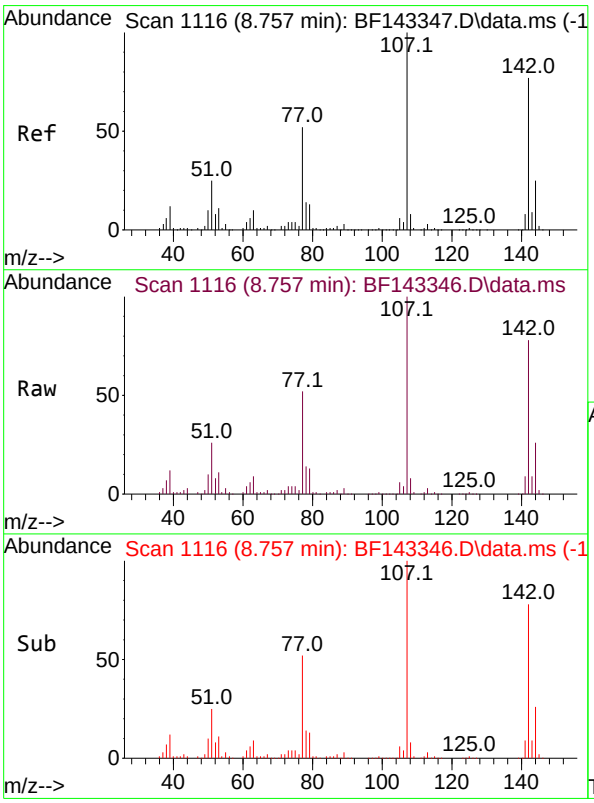
#35
Caprolactam
Concen: 19.474 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 46828

Ion	Ratio	Lower	Upper
113	100		
55	212.8	181.4	221.4
56	159.7	127.3	167.3

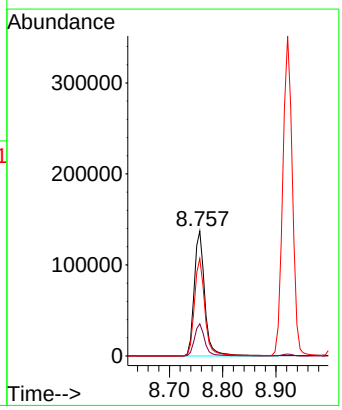


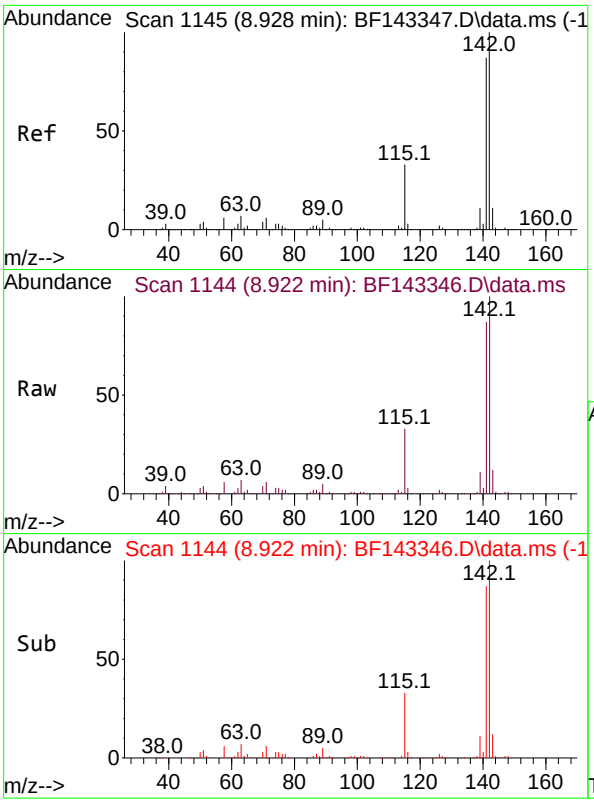


#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 189645

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.0	30.0
142	78.0	61.3	91.9



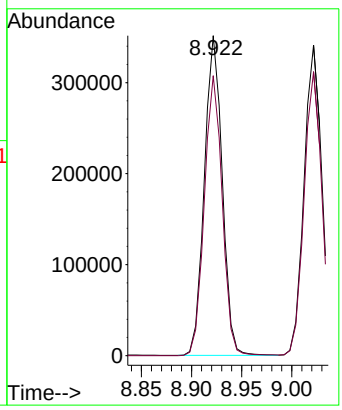


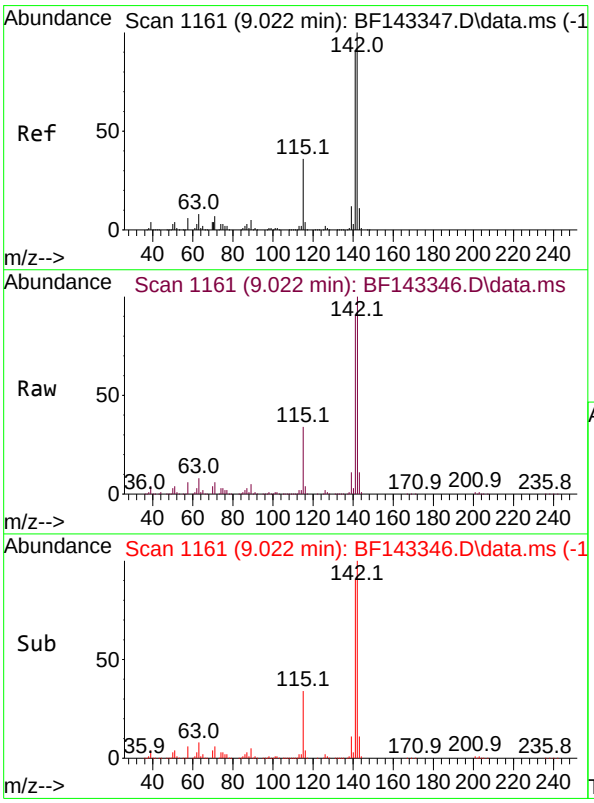
#37
2-Methylnaphthalene
Concen: 21.540 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 436344

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.8

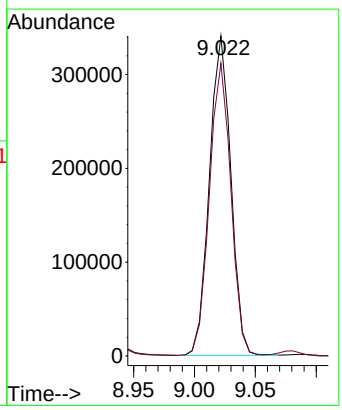


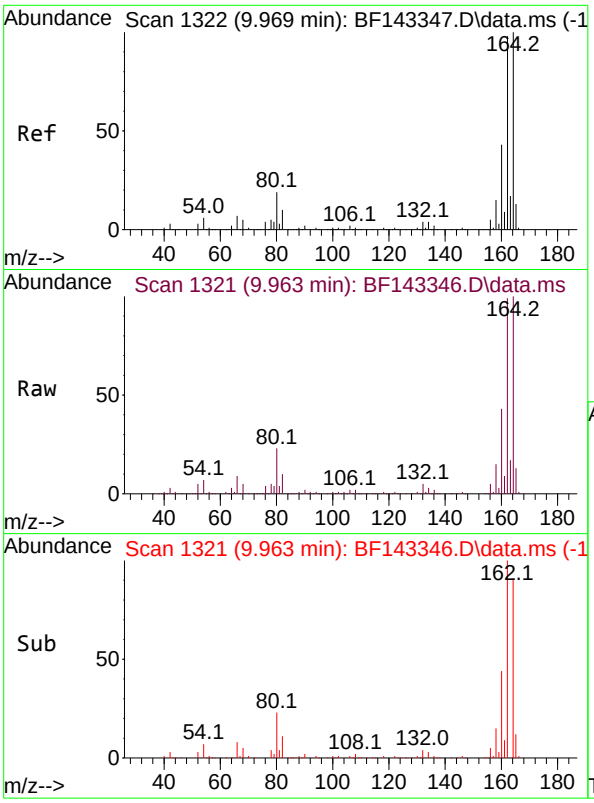


#38
1-Methylnaphthalene
Concen: 21.421 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:142 Resp: 417915

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4



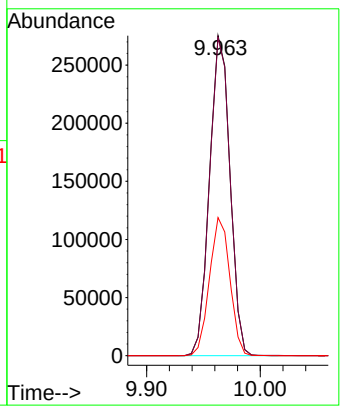


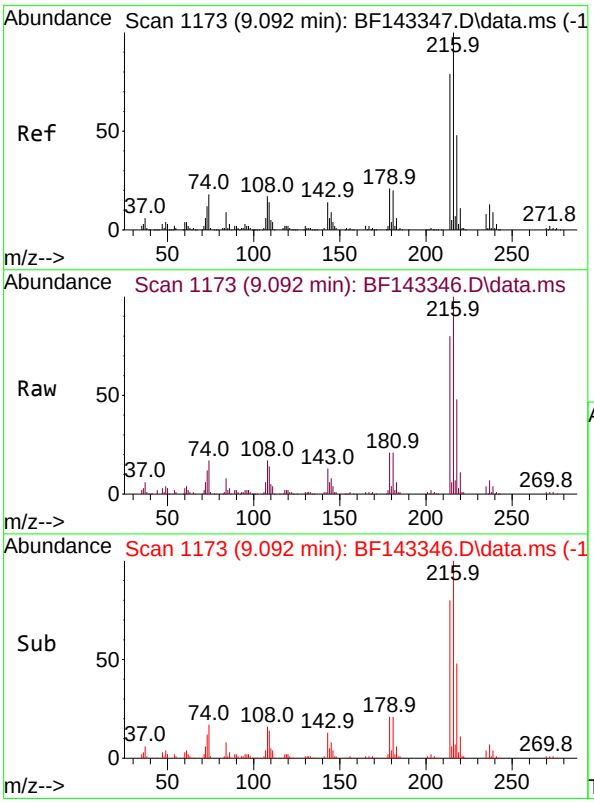
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 345152

Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.6	118.0
160	43.2	34.4	51.6

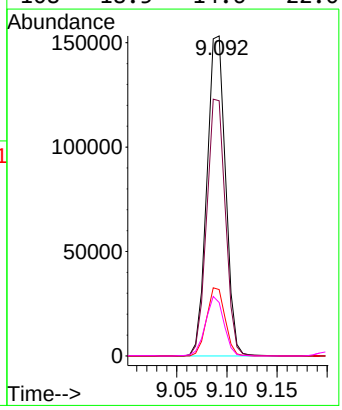


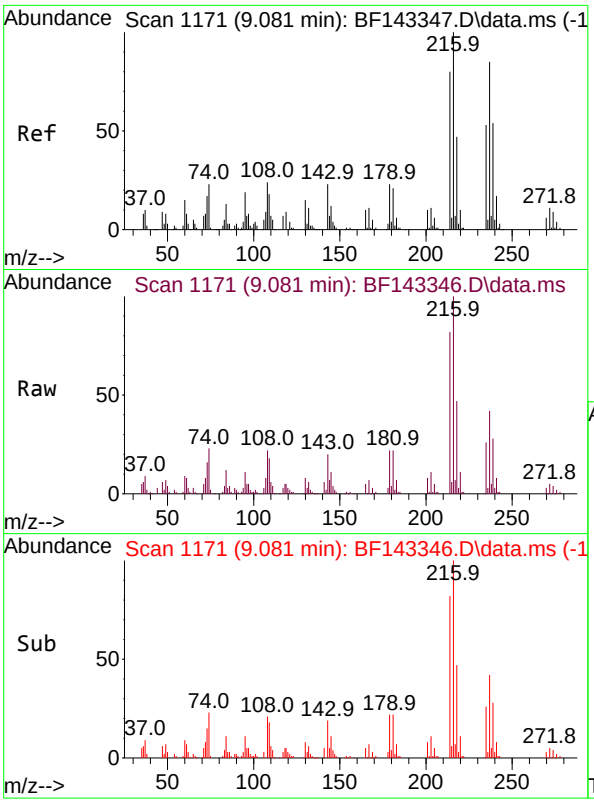


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.001 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:216 Resp: 198354

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.0	94.4
179	21.0	17.0	25.4
108	18.5	14.6	22.0



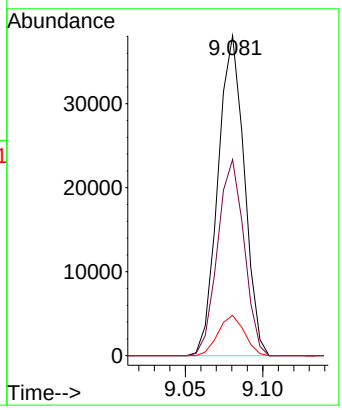


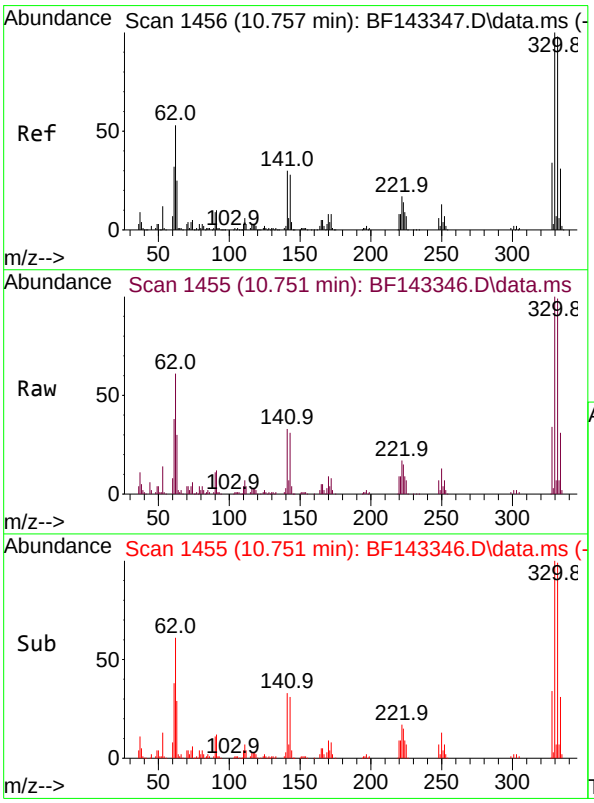
#41
Hexachlorocyclopentadiene
Concen: 19.003 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 44965

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.0	82.0
272	12.6	0.0	32.6

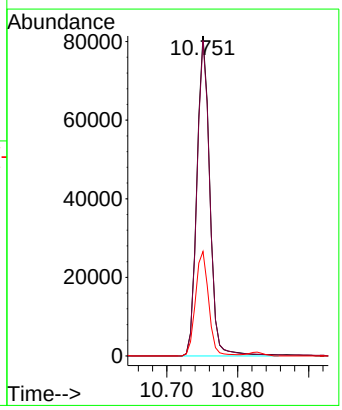


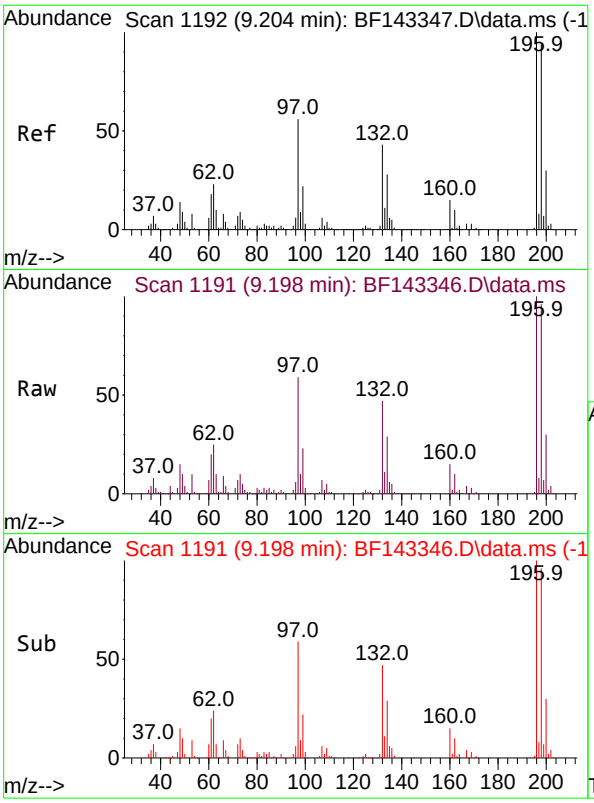


#42
2,4,6-Tribromophenol
Concen: 40.847 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:330 Resp: 103035

Ion	Ratio	Lower	Upper
330	100		
332	98.7	78.1	117.1
141	33.2	25.4	38.0



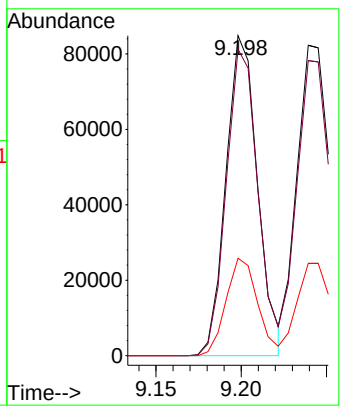


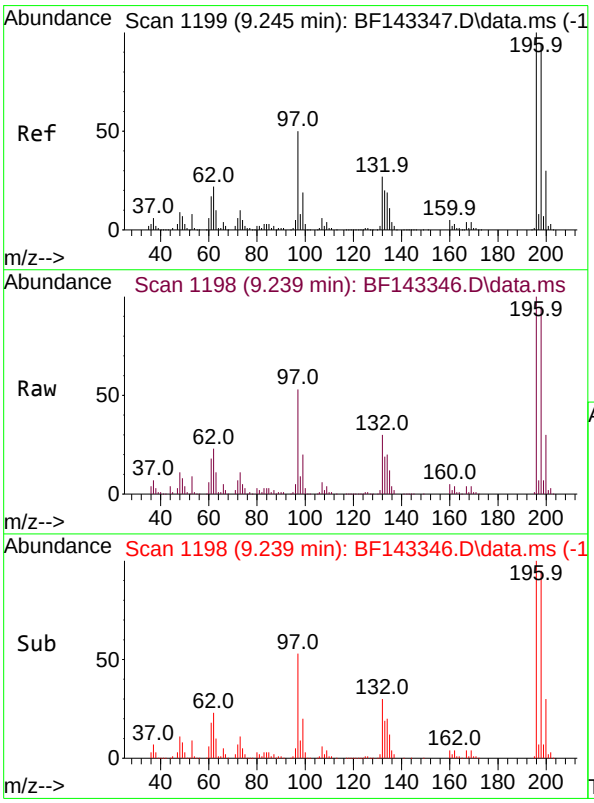
#43
2,4,6-Trichlorophenol
Concen: 20.378 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 109203

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.4	113.0
200	30.4	24.3	36.5

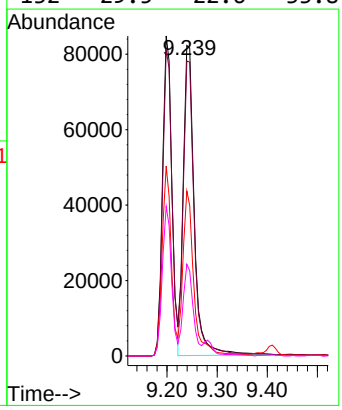


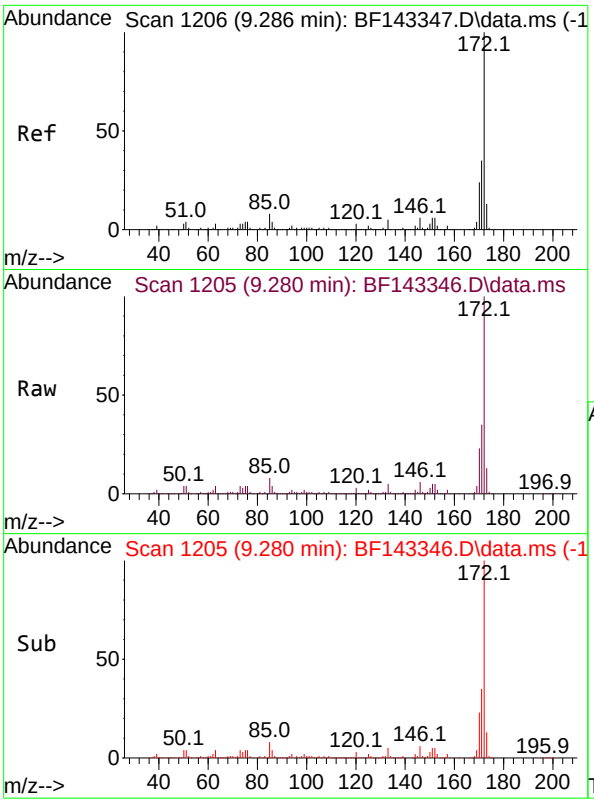


#44
2,4,5-Trichlorophenol
Concen: 20.892 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:196 Resp: 126432

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
97	53.1	39.9	59.9
132	29.5	22.6	33.8



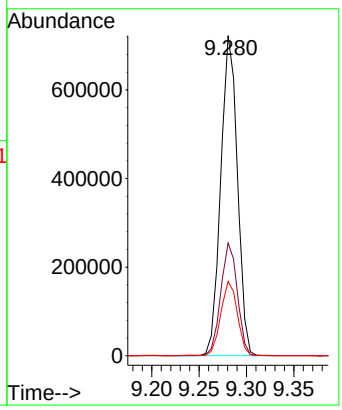


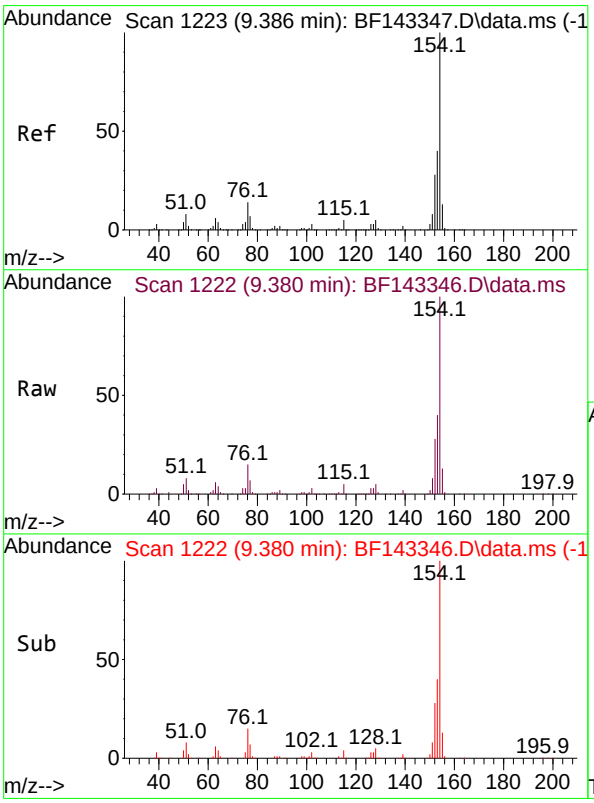
#45
2-Fluorobiphenyl
Concen: 43.569 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 886799

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.2	19.1	28.7

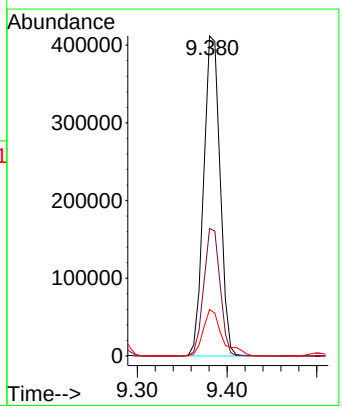


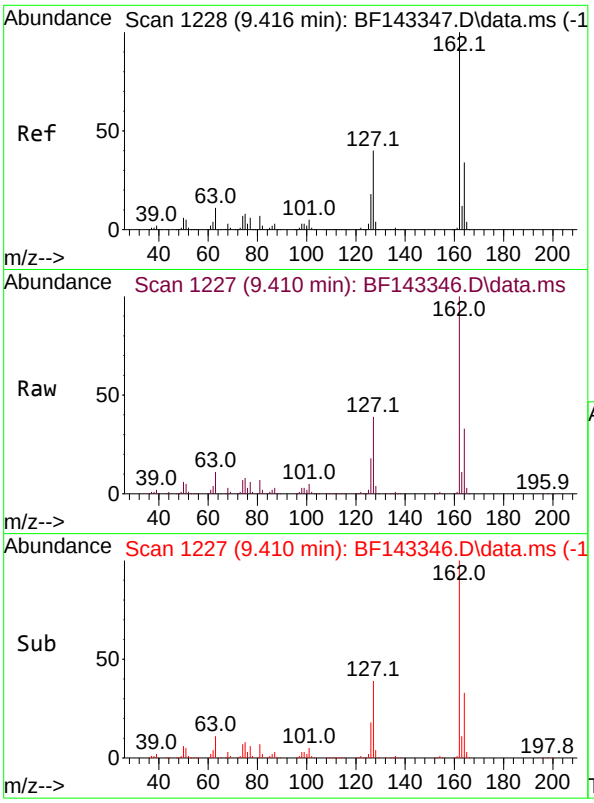


#46
1,1'-Biphenyl
Concen: 21.447 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 523392

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.2	60.2
76	14.5	0.0	34.4



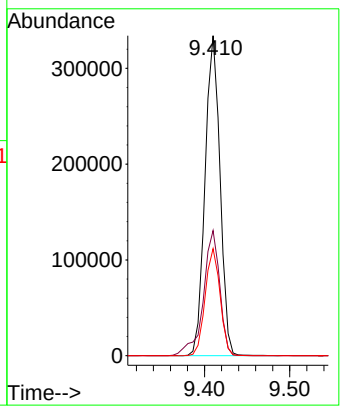


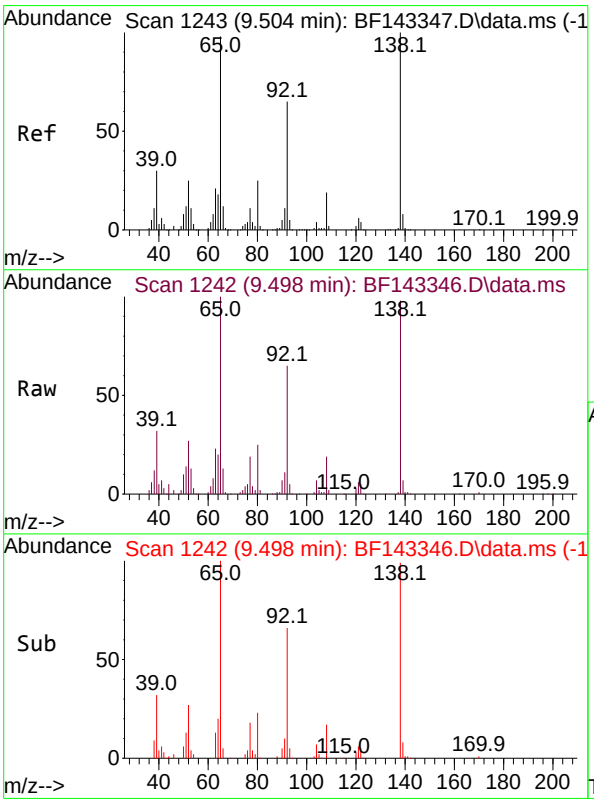
#47
2-Chloronaphthalene
Concen: 21.196 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 407385

Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.1	48.1
164	33.4	27.0	40.4

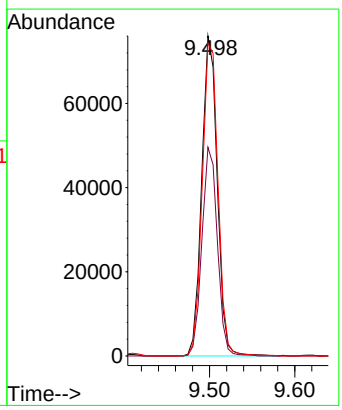


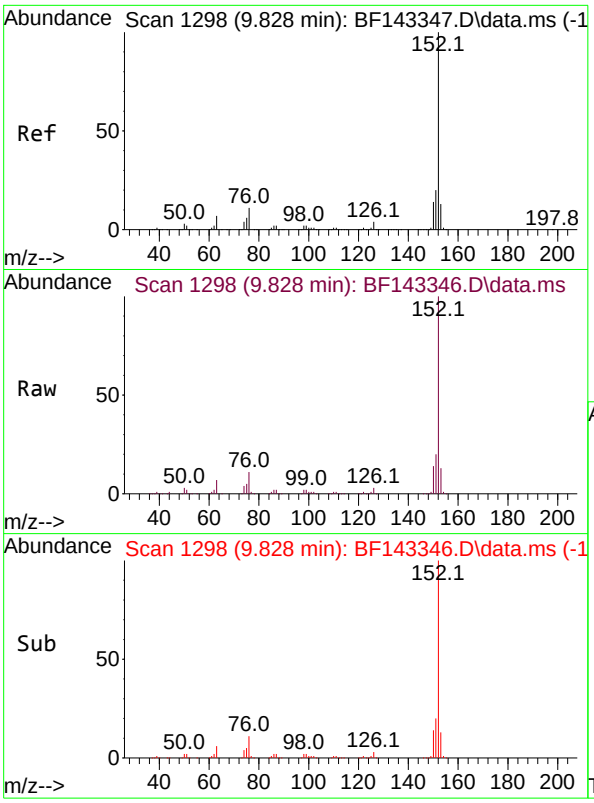


#48
2-Nitroaniline
Concen: 19.121 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 65 Resp: 96206

Ion	Ratio	Lower	Upper
65	100		
92	65.2	53.1	79.7
138	97.7	81.4	122.0



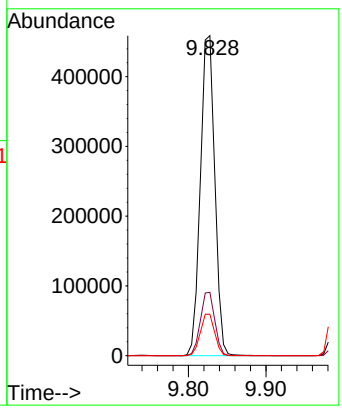


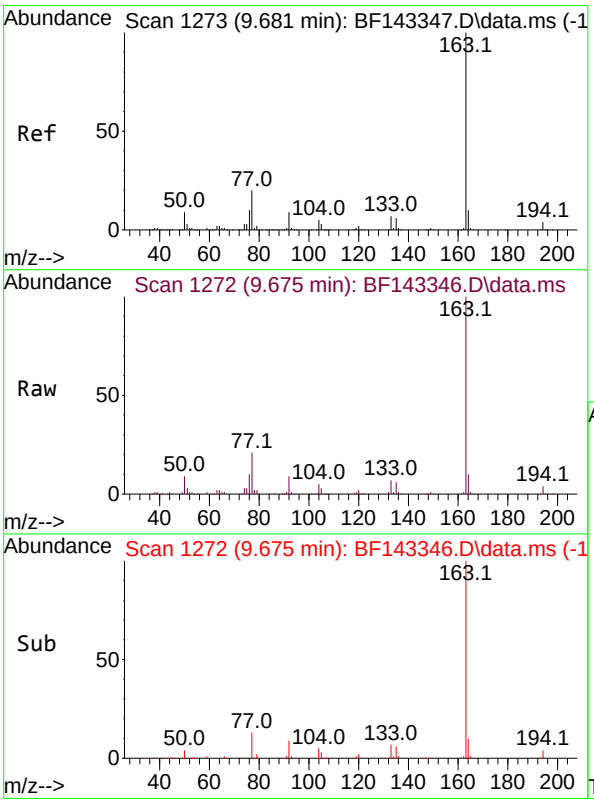
#49
Acenaphthylene
Concen: 21.374 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 593246

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.6	16.0

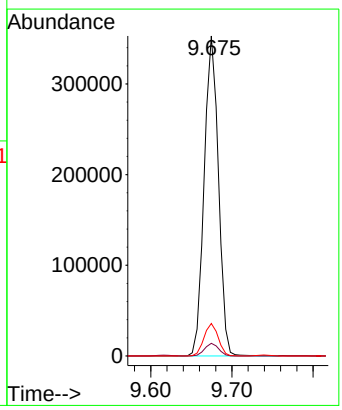


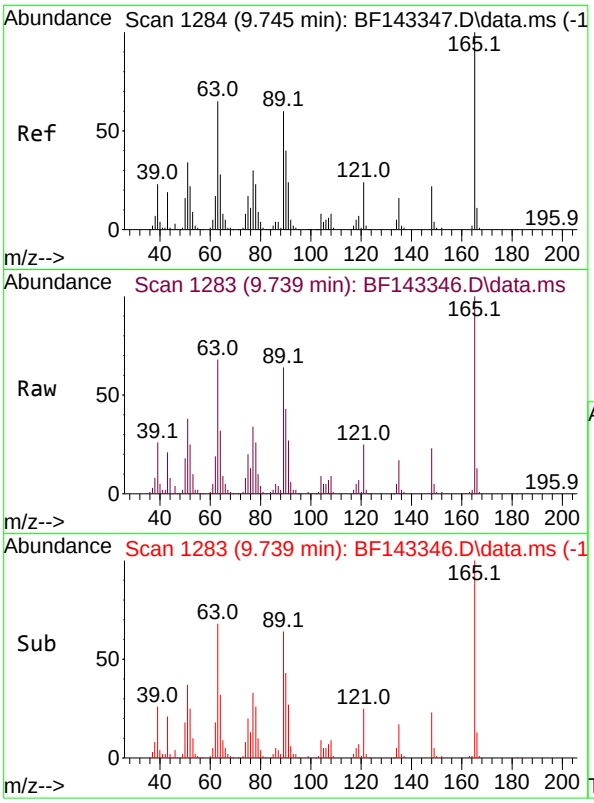


#50
Dimethylphthalate
Concen: 21.297 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:163 Resp: 429516

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.2	12.2



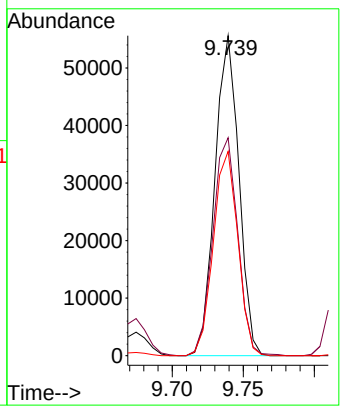


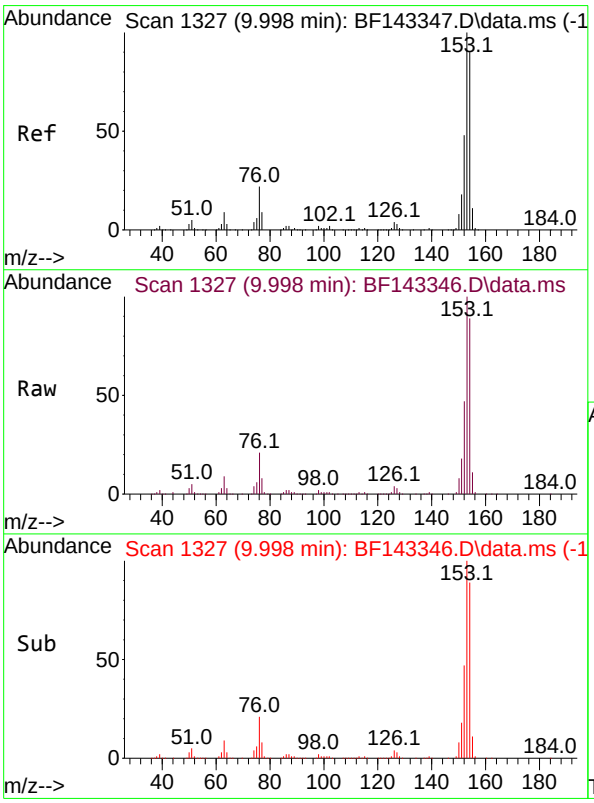
#51
2,6-Dinitrotoluene
Concen: 18.954 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 65043

Ion	Ratio	Lower	Upper
165	100		
63	68.1	51.6	77.4
89	63.9	47.7	71.5

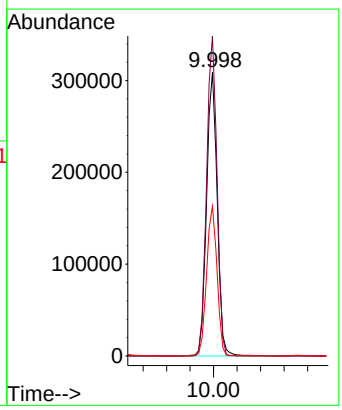


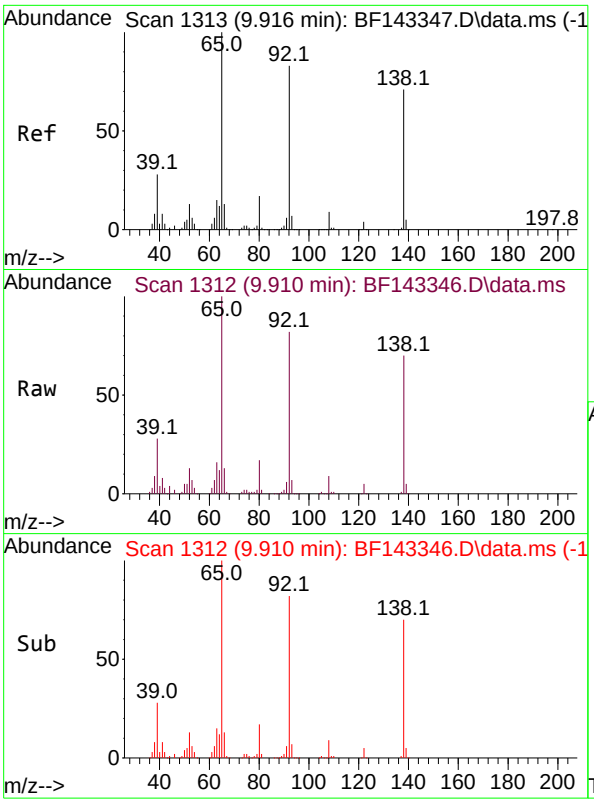


#52
Acenaphthene
Concen: 20.959 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 386752

Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.5	132.7
152	52.8	42.4	63.6



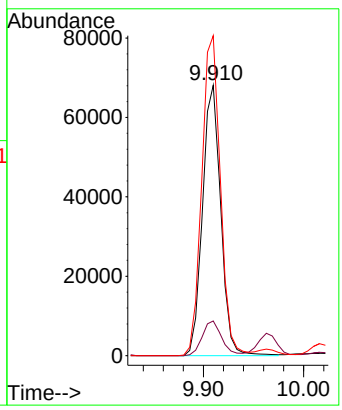


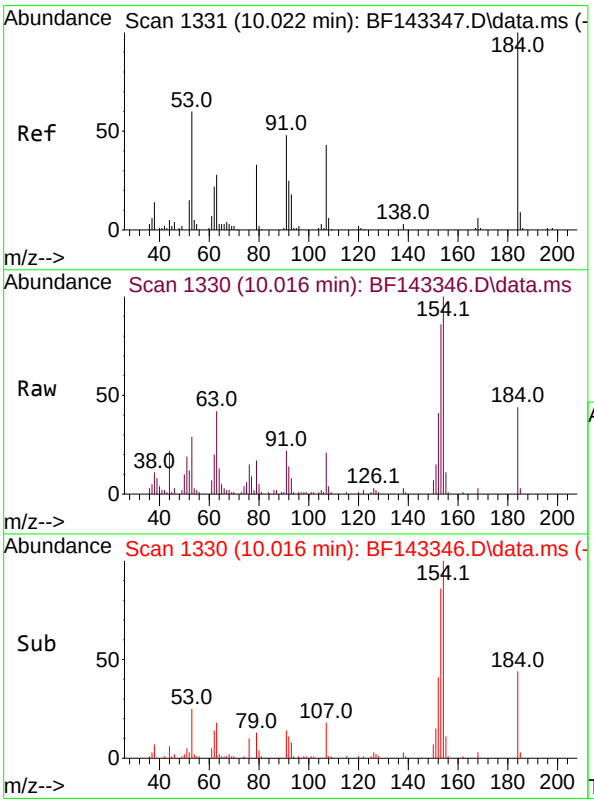
#53
3-Nitroaniline
Concen: 20.928 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 86436

Ion	Ratio	Lower	Upper
138	100		
108	12.9	9.6	14.4
92	118.3	93.4	140.2

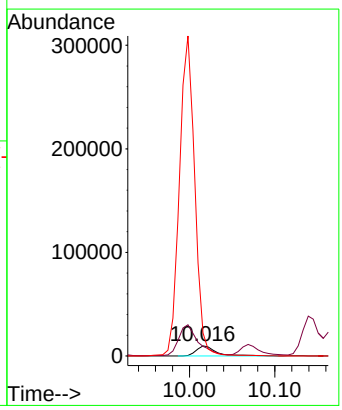


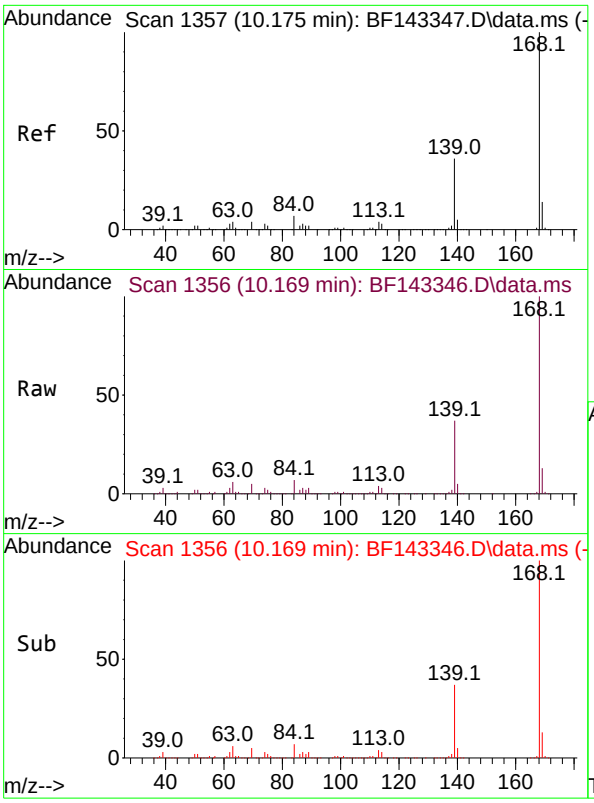


#54
2,4-Dinitrophenol
Concen: 19.272 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:184 Resp: 15765

Ion	Ratio	Lower	Upper
184	100		
63	95.6	62.5	93.7#
154	228.4	73.0	109.4#



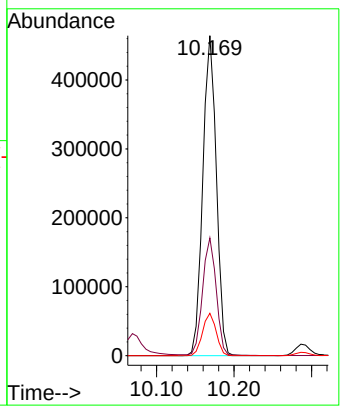


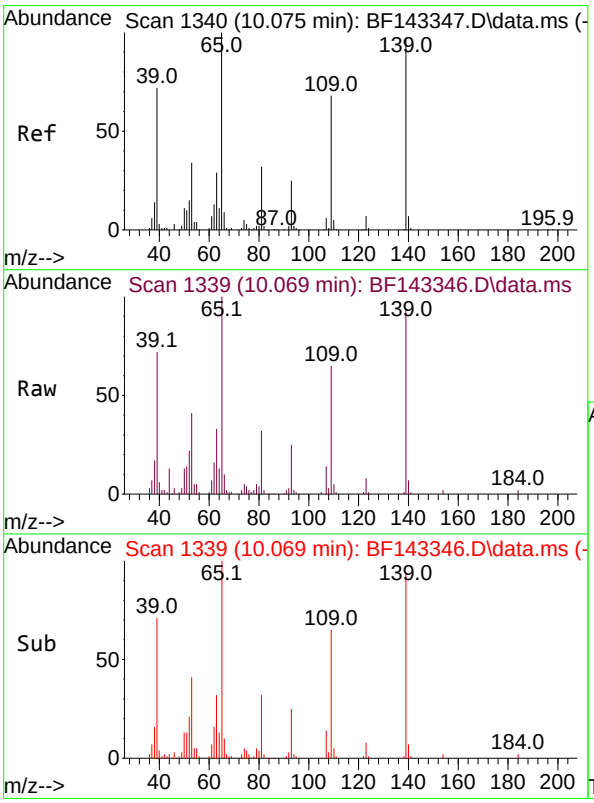
#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 564025

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.3	11.0	16.6

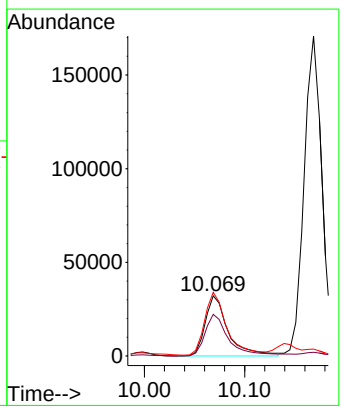


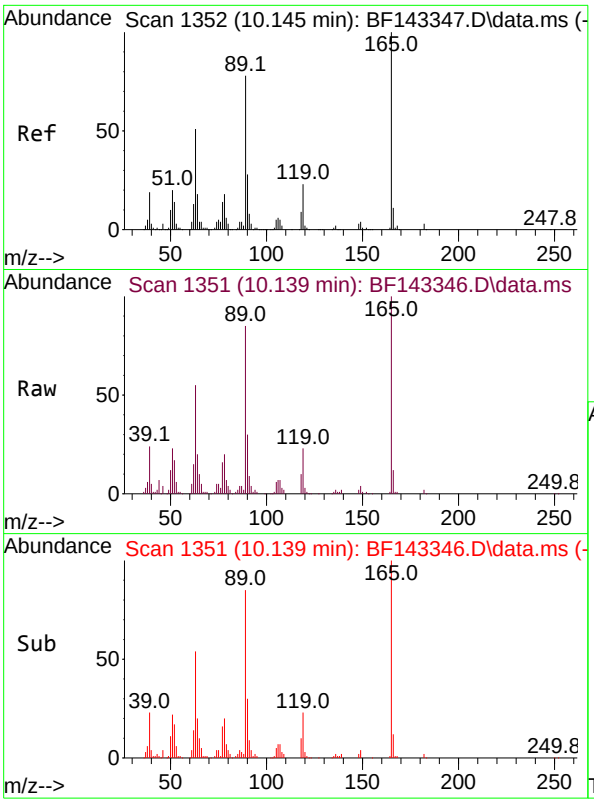


#56
4-Nitrophenol
Concen: 19.809 ng
RT: 10.069 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 50785

Ion	Ratio	Lower	Upper
139	100		
109	69.3	49.4	89.4
65	105.9	83.7	123.7



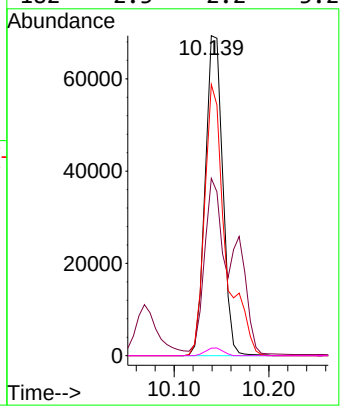


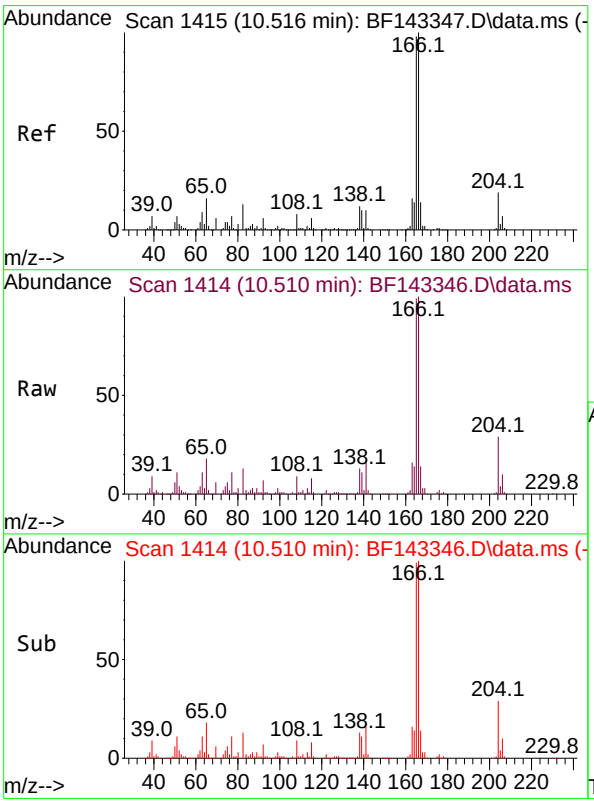
#57
2,4-Dinitrotoluene
Concen: 19.432 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 88718

Ion	Ratio	Lower	Upper
165	100		
63	55.4	41.8	62.8
89	84.8	62.4	93.6
182	2.3	2.2	3.2

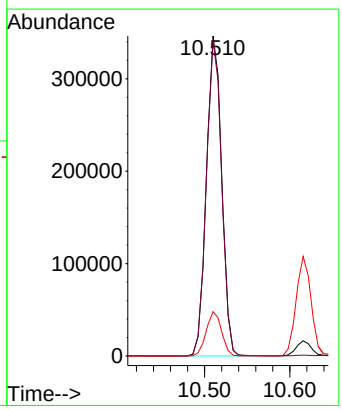


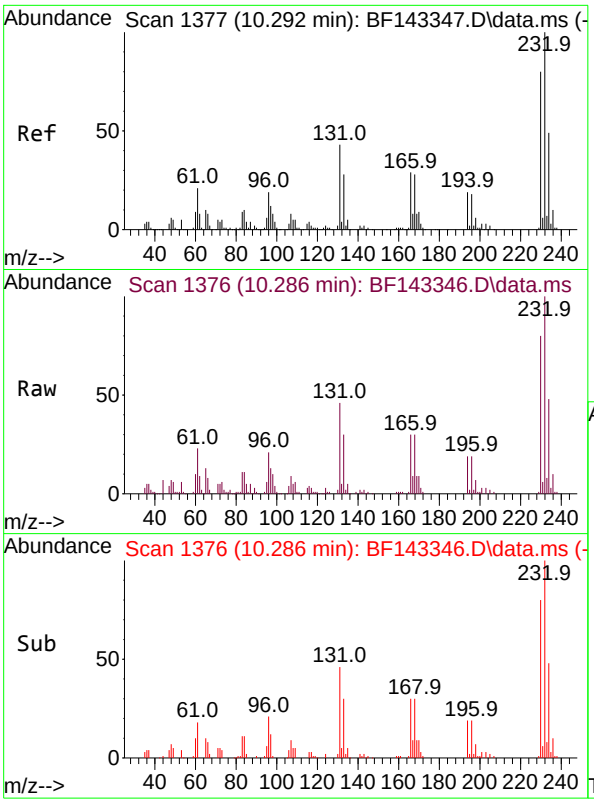


#58
Fluorene
Concen: 21.289 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:166 Resp: 431847

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.9	10.9	16.3



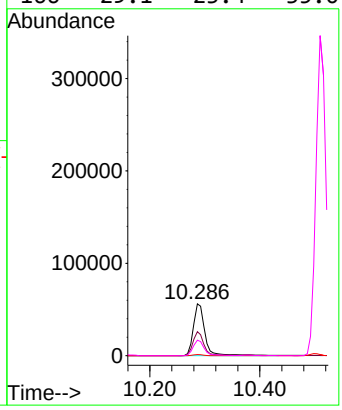


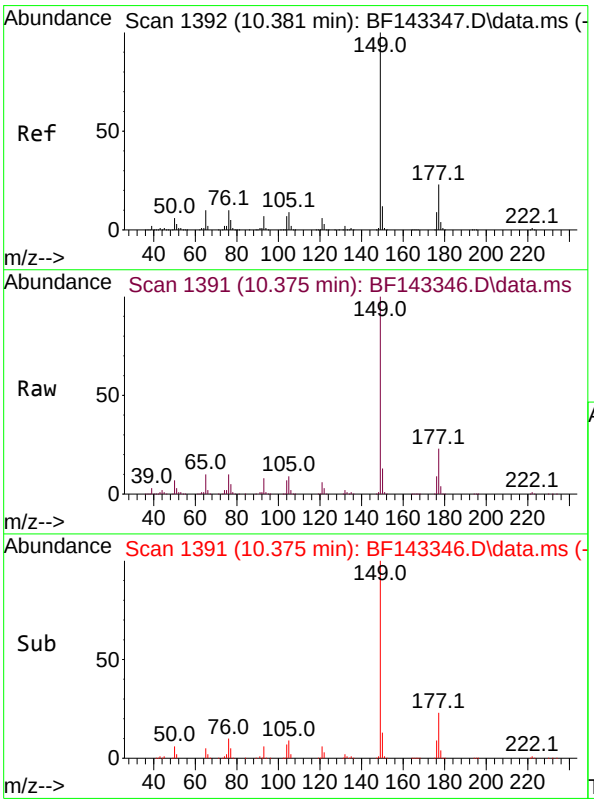
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.975 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 81483

Ion	Ratio	Lower	Upper
232	100		
131	43.9	34.6	51.8
130	1.9	1.7	2.5
166	29.1	23.4	35.0

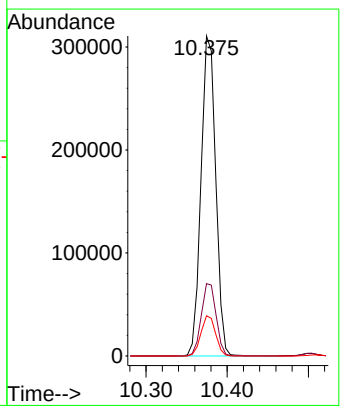


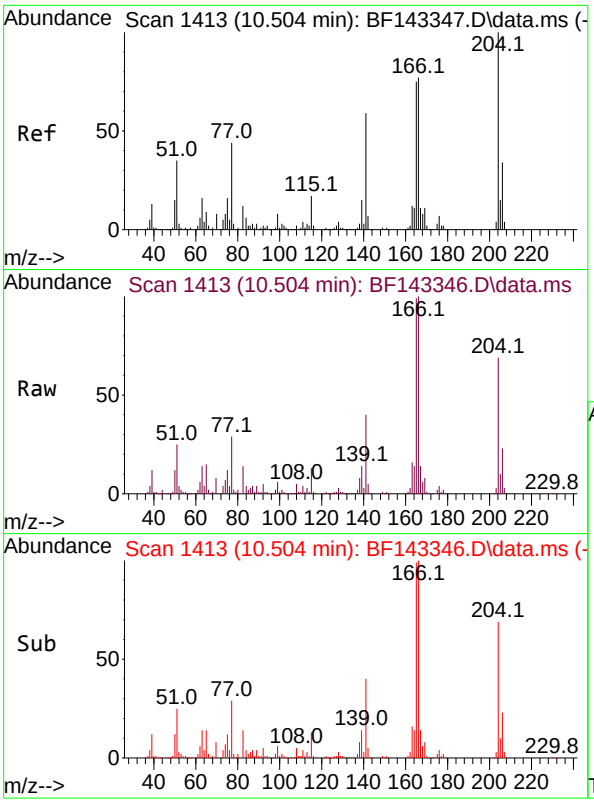


#60
Diethylphthalate
Concen: 21.624 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 390634

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.2	27.2
150	12.6	9.9	14.9



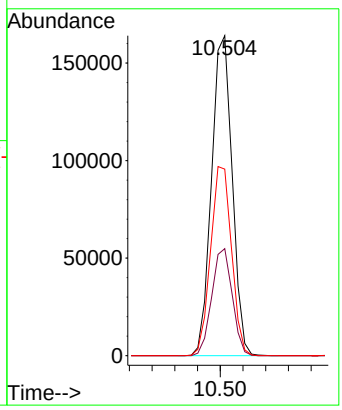


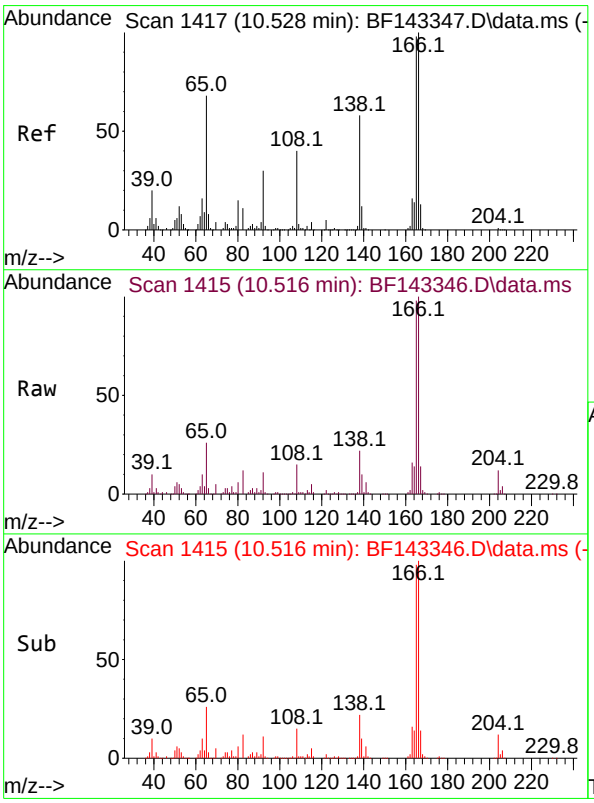
#61
4-Chlorophenyl-phenylether
Concen: 21.124 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 207053

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.4	41.2
141	58.3	46.9	70.3

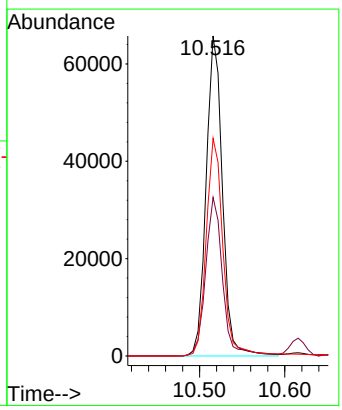


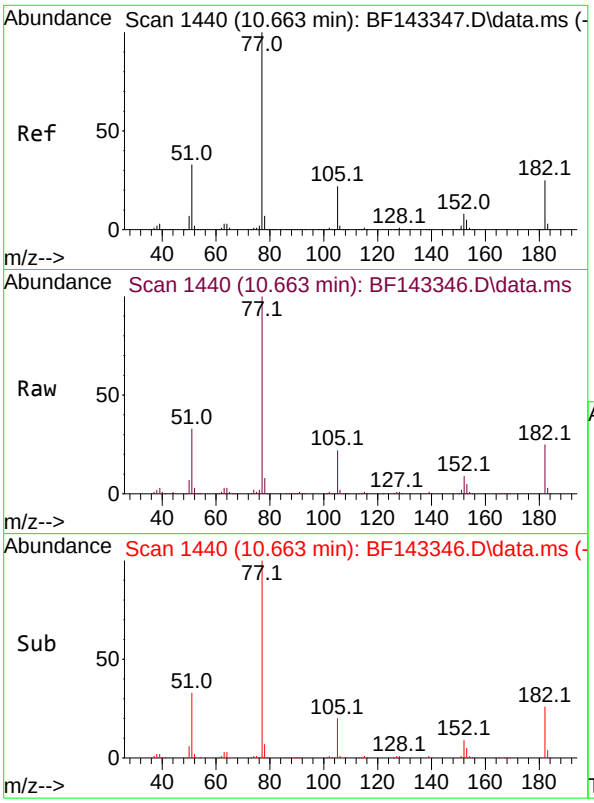


#62
4-Nitroaniline
Concen: 21.864 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:138 Resp: 87370

Ion	Ratio	Lower	Upper
138	100		
92	49.5	31.2	71.2
108	68.0	48.1	88.1



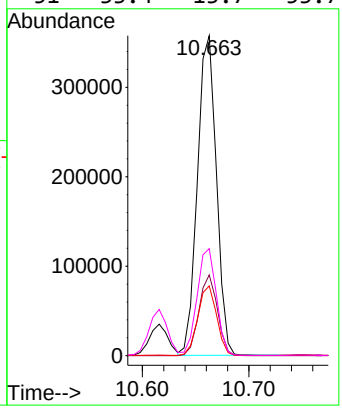


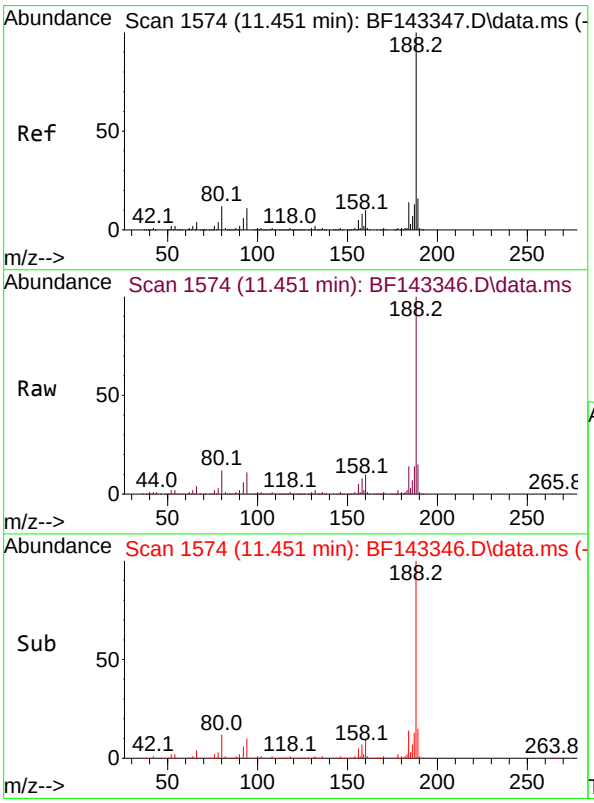
#63
Azobenzene
Concen: 21.493 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 443476

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.4	44.4
105	21.8	1.8	41.8
51	33.4	13.7	53.7

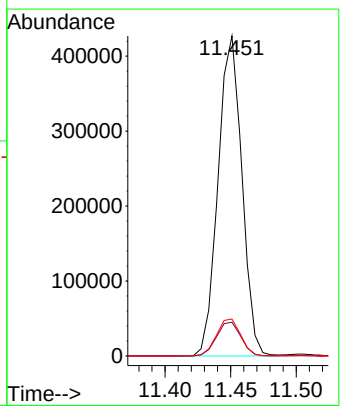


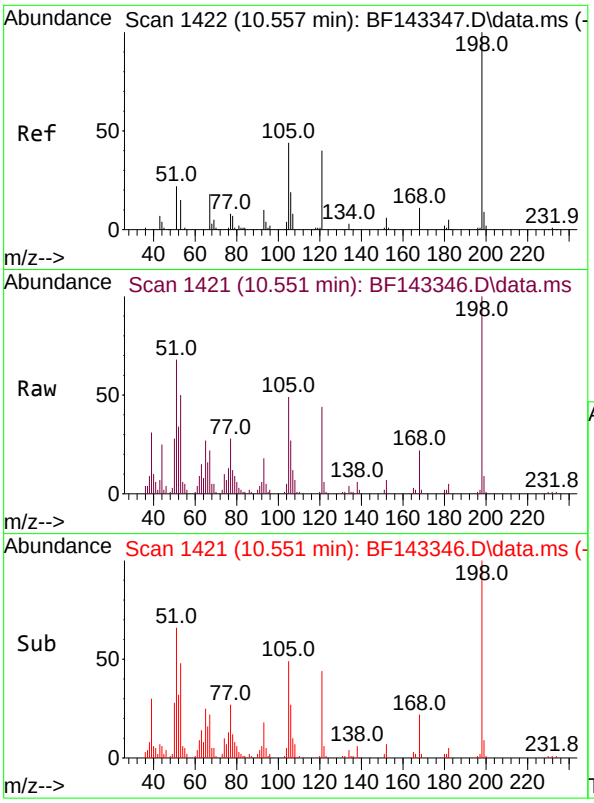


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:188 Resp: 538915

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.8	13.2
80	11.6	9.7	14.5



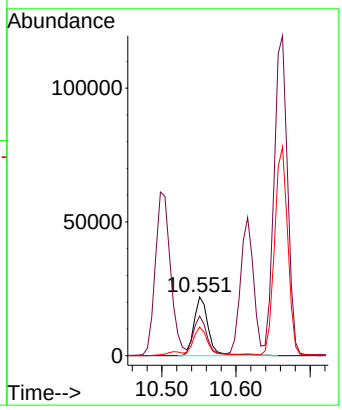


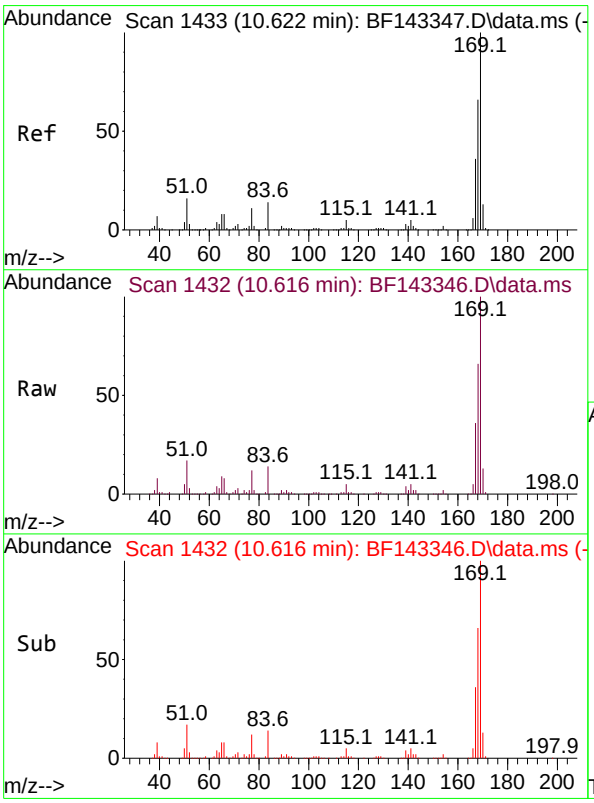
#65
4,6-Dinitro-2-methylphenol
Concen: 18.676 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 29324

Ion	Ratio	Lower	Upper
198	100		
51	67.6	41.7	81.7
105	48.9	26.8	66.8

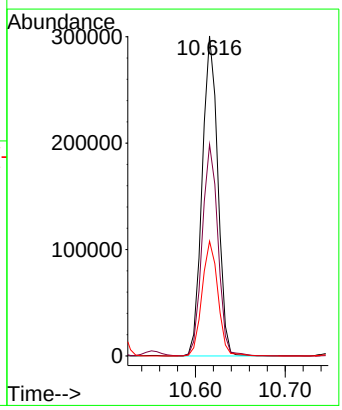


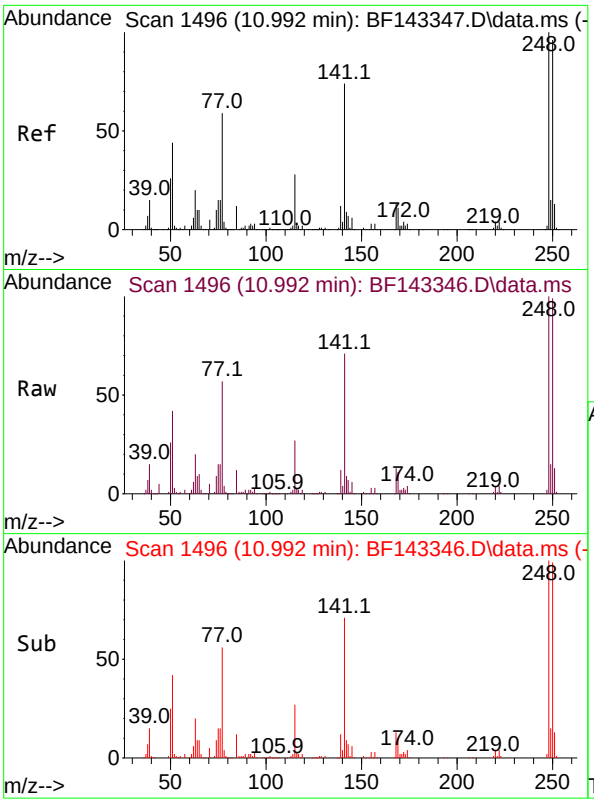


#66
n-Nitrosodiphenylamine
Concen: 20.469 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:169 Resp: 363227

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.7	79.1
167	35.8	28.6	42.8



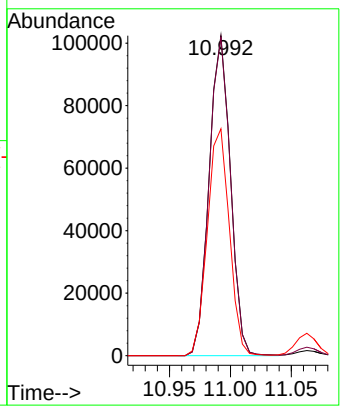


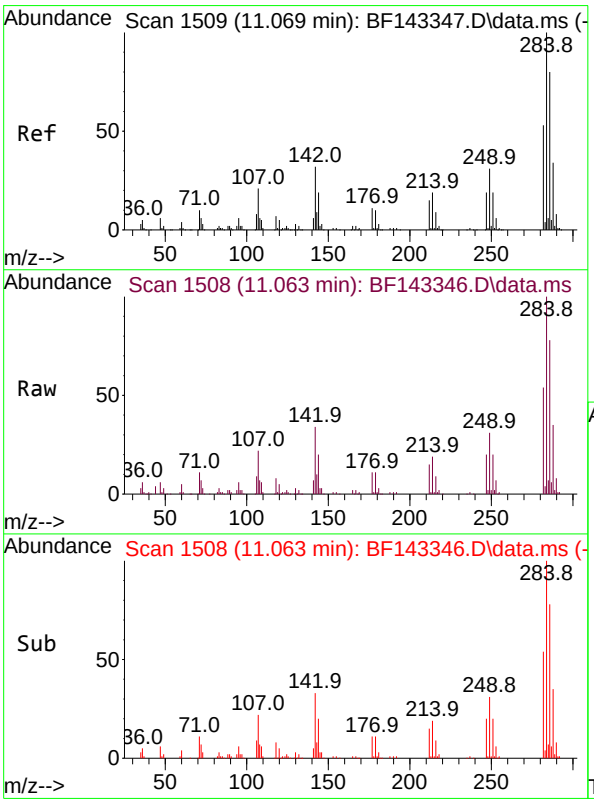
#67
4-Bromophenyl-phenylether
Concen: 20.293 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 125072

Ion	Ratio	Lower	Upper
248	100		
250	99.5	77.1	115.7
141	70.9	59.1	88.7

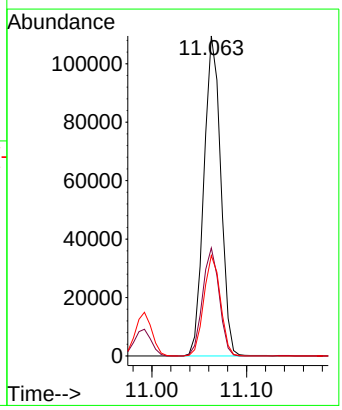


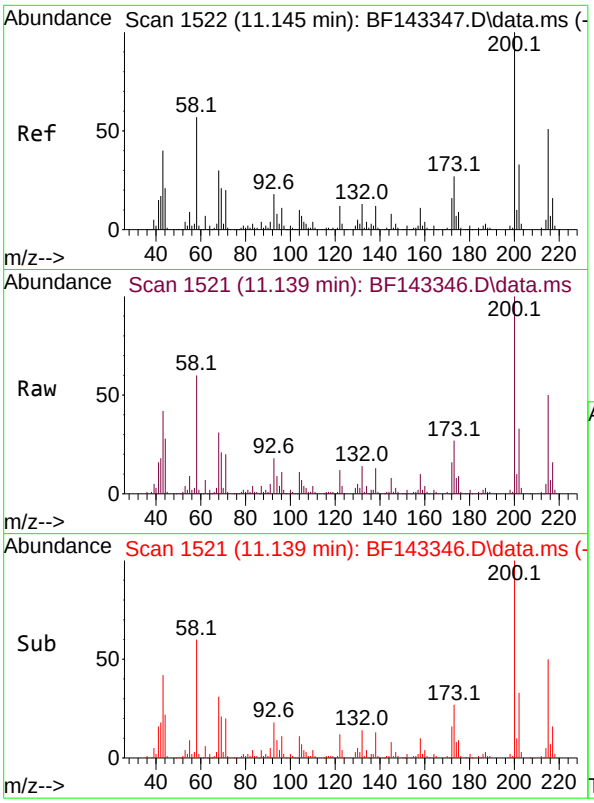


#68
Hexachlorobenzene
Concen: 20.290 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:284 Resp: 134796

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.7	38.5
249	31.4	24.6	37.0



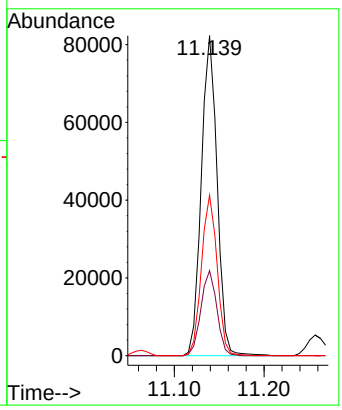


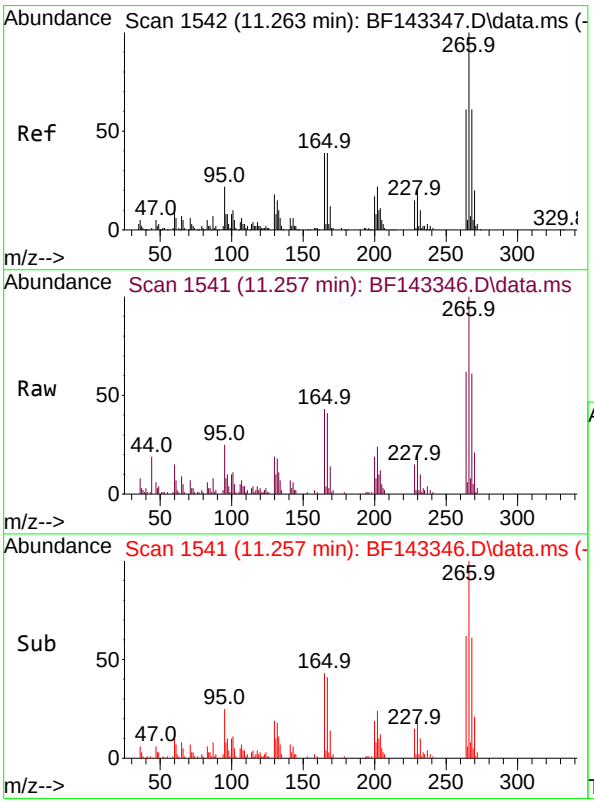
#69
Atrazine
Concen: 21.725 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 100549

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	50.1	30.6	70.6

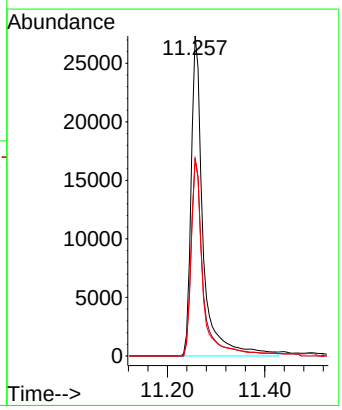


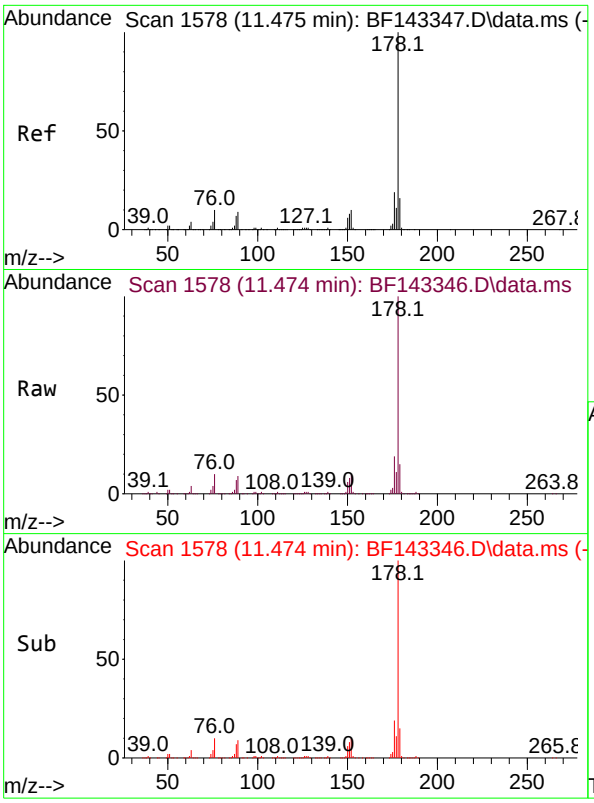


#70
Pentachlorophenol
Concen: 19.347 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:266 Resp: 47147

Ion	Ratio	Lower	Upper
266	100		
268	61.5	48.8	73.2
264	61.9	48.8	73.2



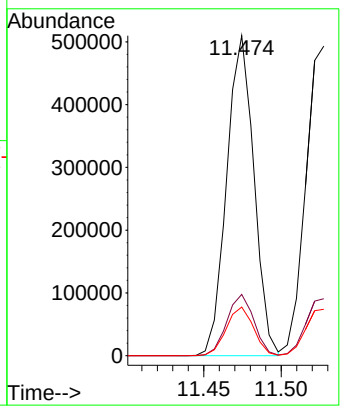


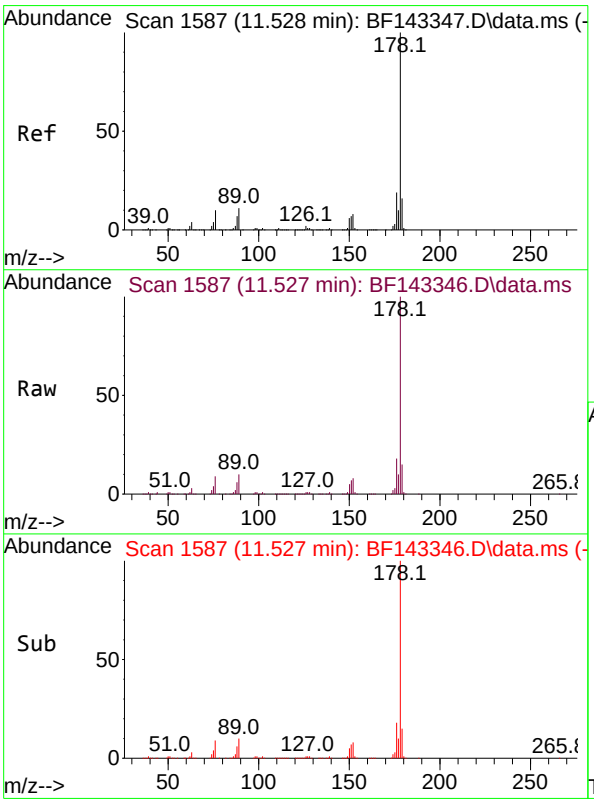
#71
Phenanthrene
Concen: 21.181 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 622794

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7

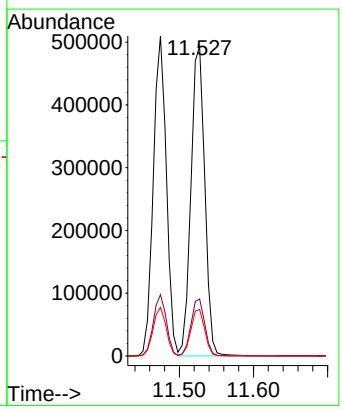


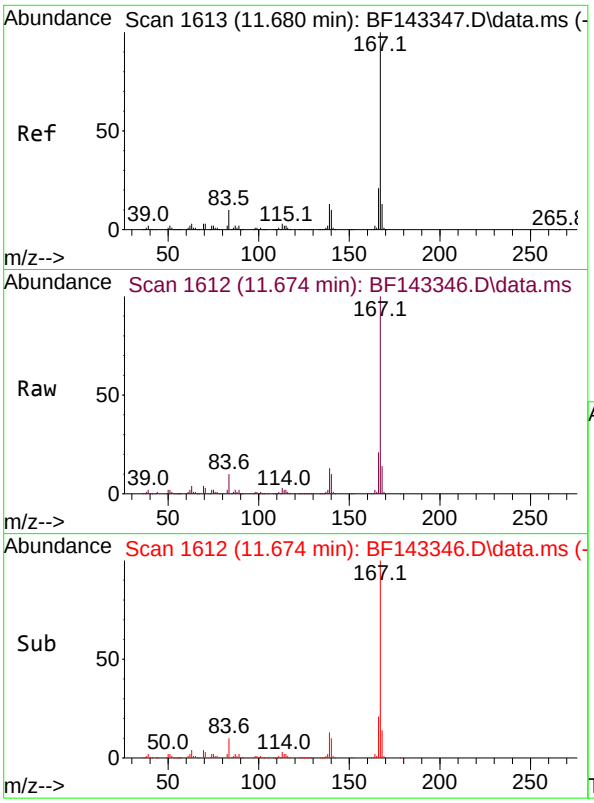


#72
Anthracene
Concen: 21.401 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:178 Resp: 638169

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.0	12.7	19.1



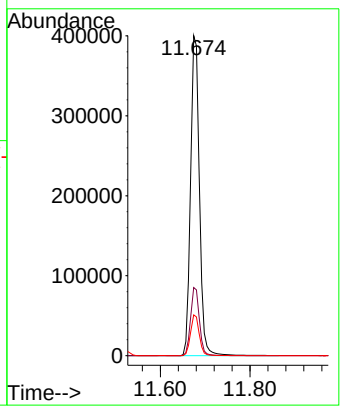


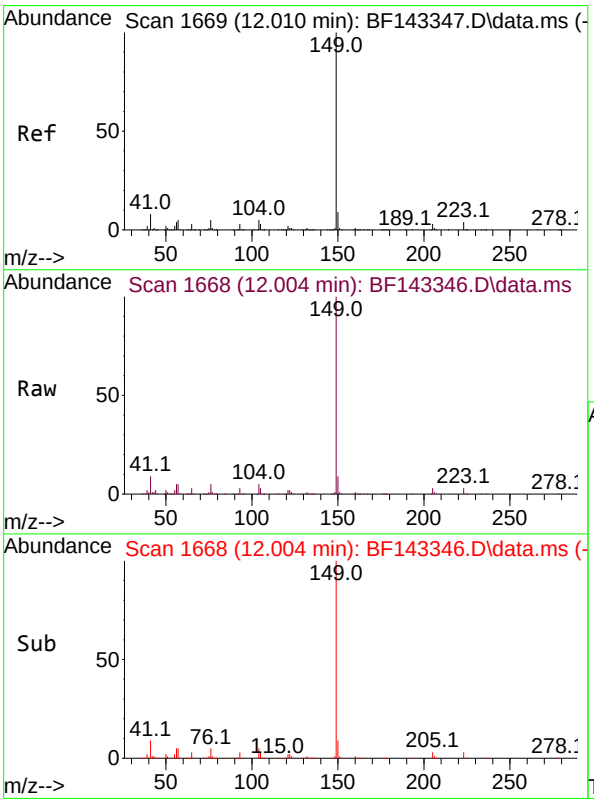
#73
Carbazole
Concen: 21.580 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 548030

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.8	25.2
139	12.8	10.2	15.2

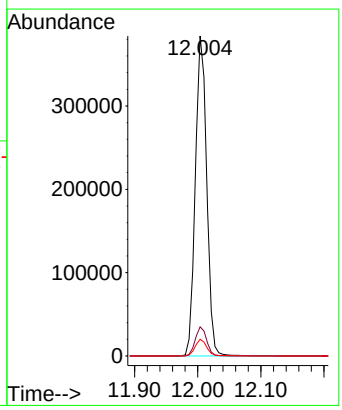


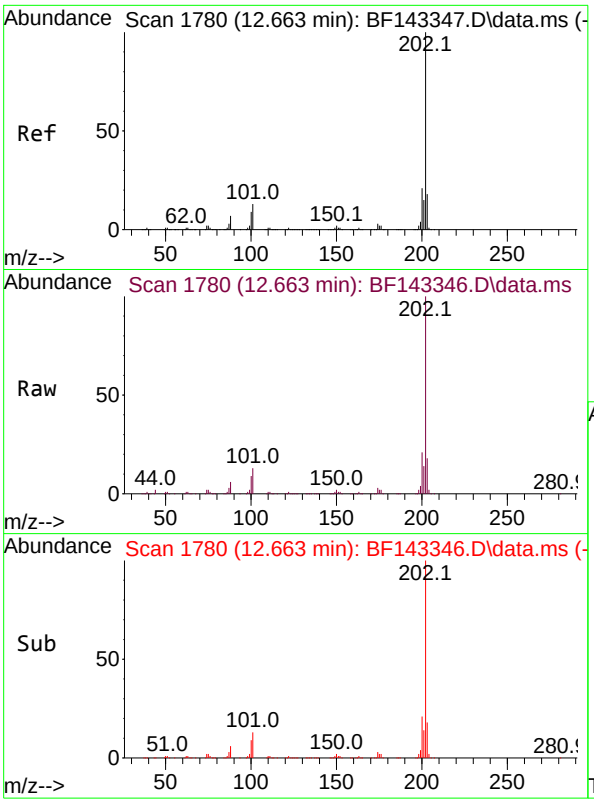


#74
Di-n-butylphthalate
Concen: 22.300 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 479230

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	3.8	5.8



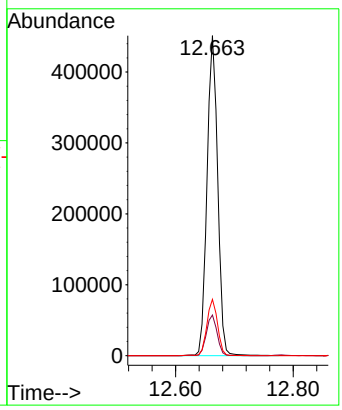


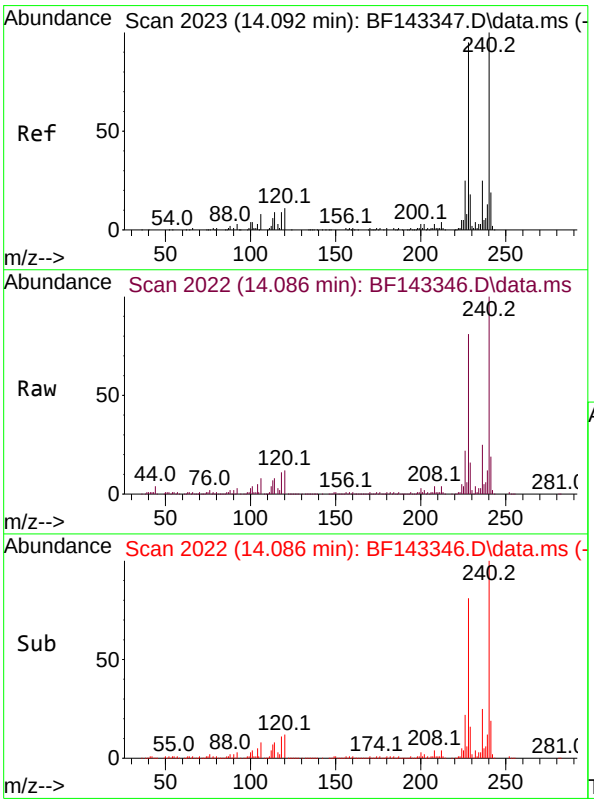
#75
Fluoranthene
Concen: 21.986 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 566275

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	37.6

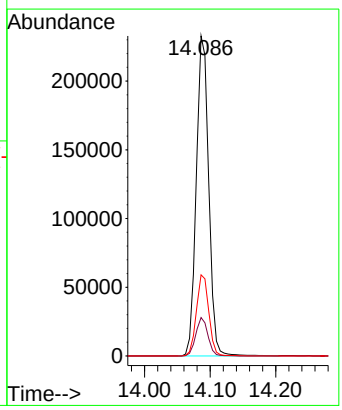


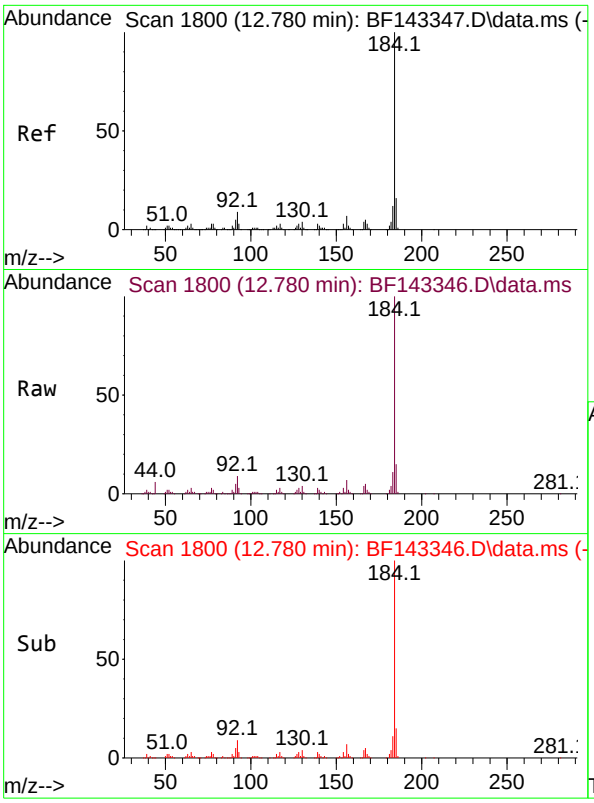


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:240 Resp: 307753

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.3	19.9	29.9



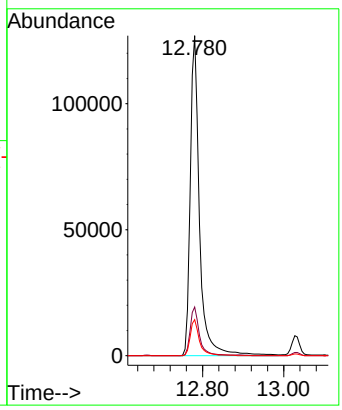


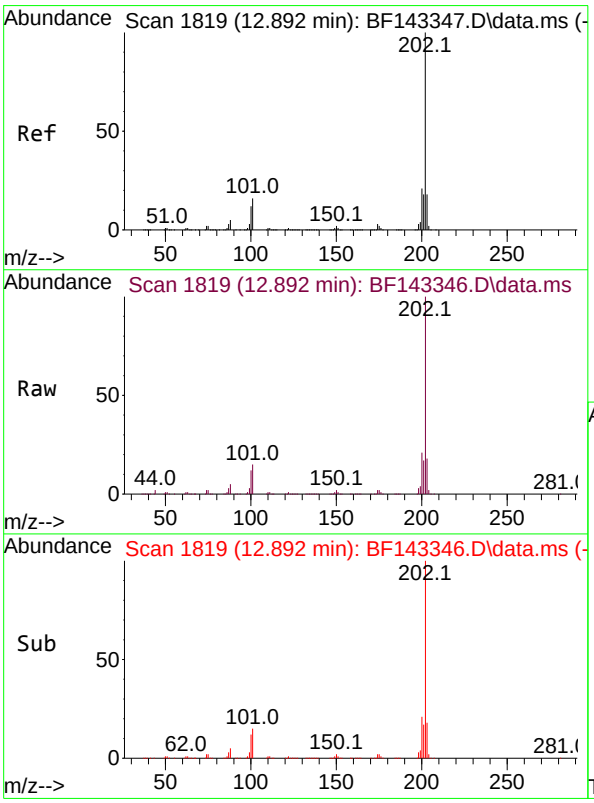
#77
Benzidine
Concen: 23.901 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 201097

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.8	19.2
183	11.2	9.3	13.9

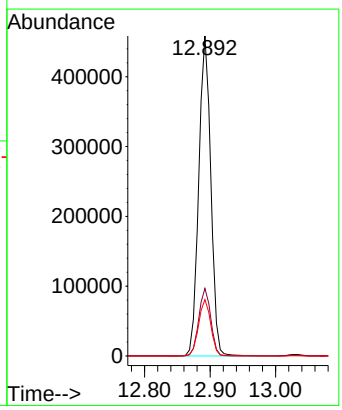


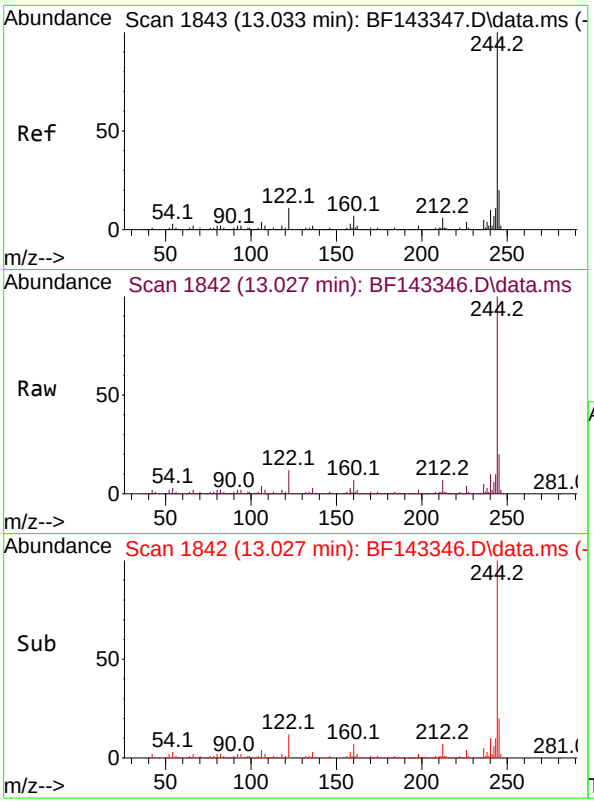


#78
Pyrene
Concen: 22.771 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:202 Resp: 587878

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.6	14.2	21.4



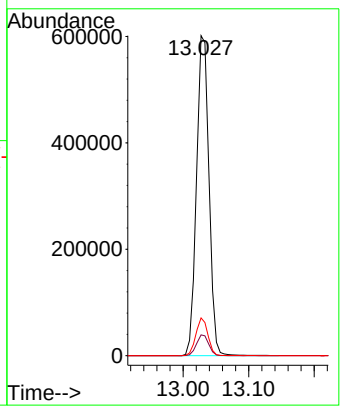


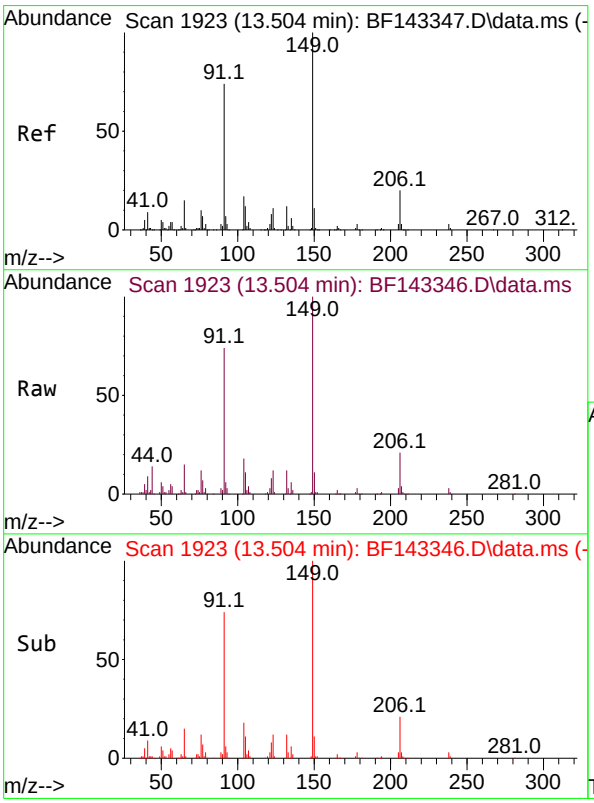
#79
Terphenyl-d14
Concen: 46.313 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 798330

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	11.8	8.9	13.3

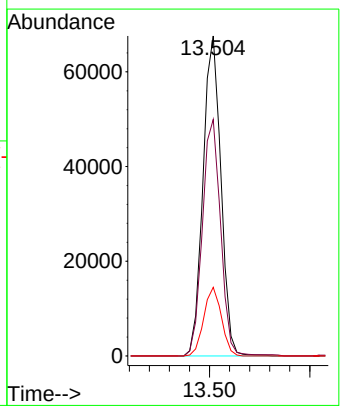


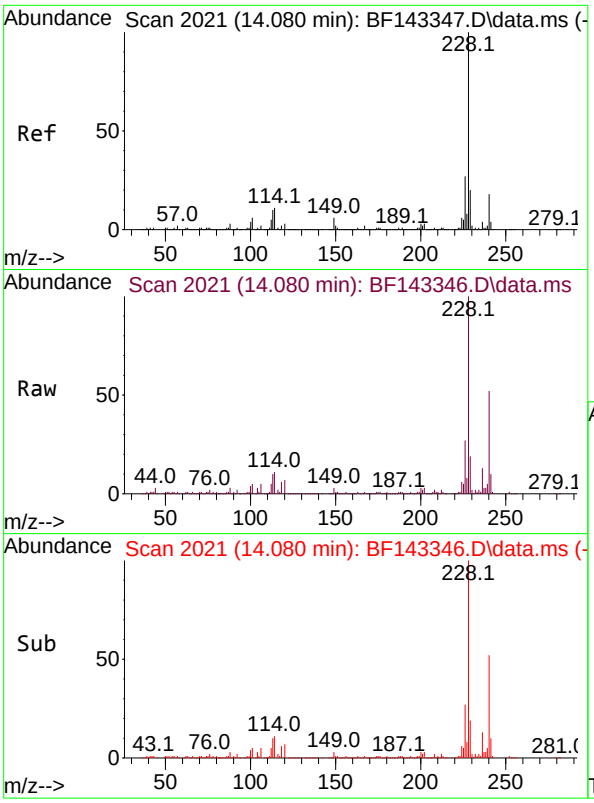


#80
Butylbenzylphthalate
Concen: 18.636 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 83834

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.8	88.2
206	21.5	16.4	24.6



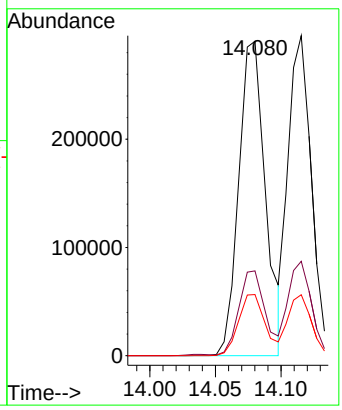


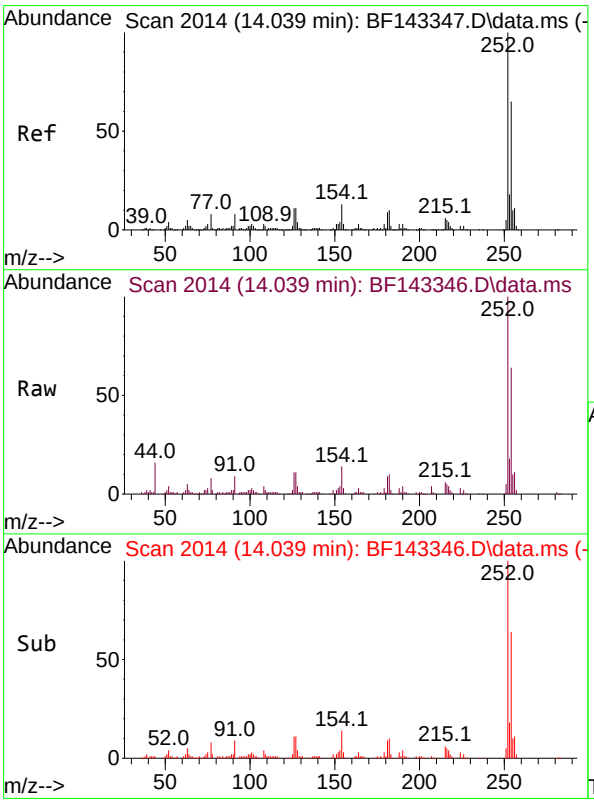
#81
Benzo(a)anthracene
Concen: 21.066 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 412056

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	19.4	15.8	23.8

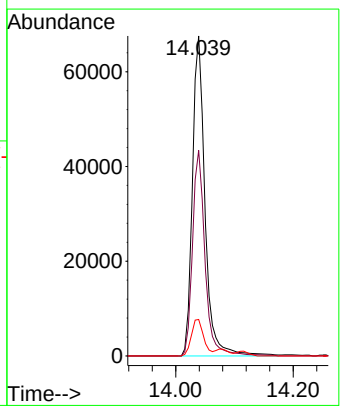


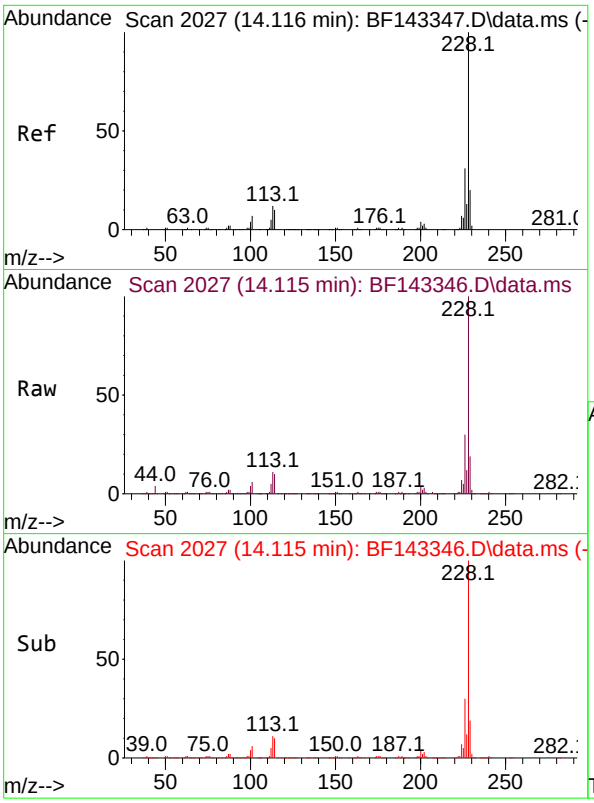


#82
3,3'-Dichlorobenzidine
Concen: 19.033 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 100529

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.4	9.2	13.8



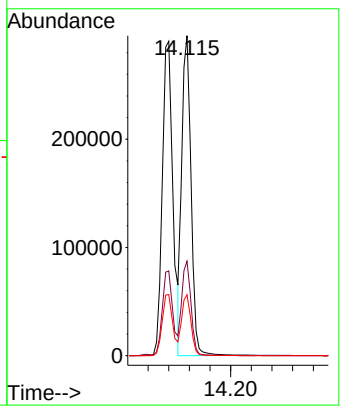


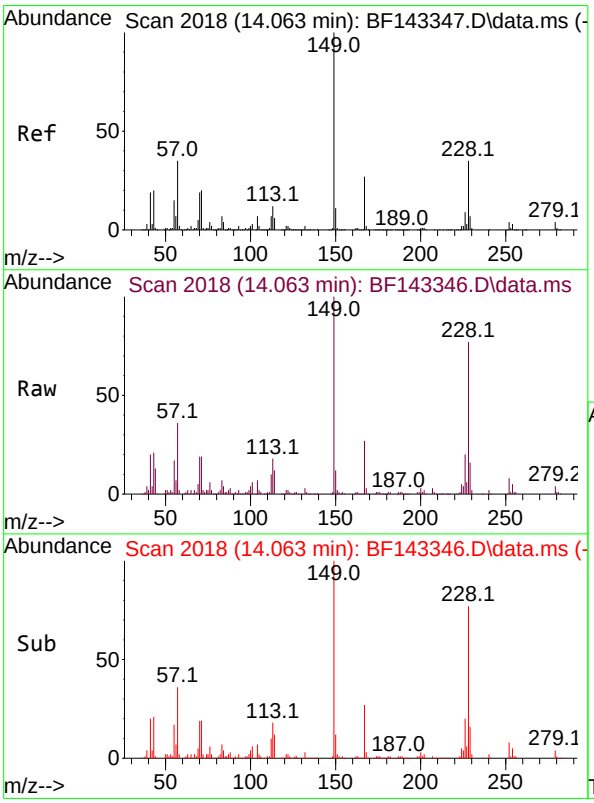
#83
Chrysene
Concen: 20.235 ng
RT: 14.115 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 369066

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.0	15.8	23.6

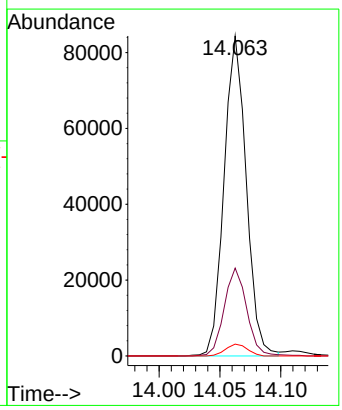


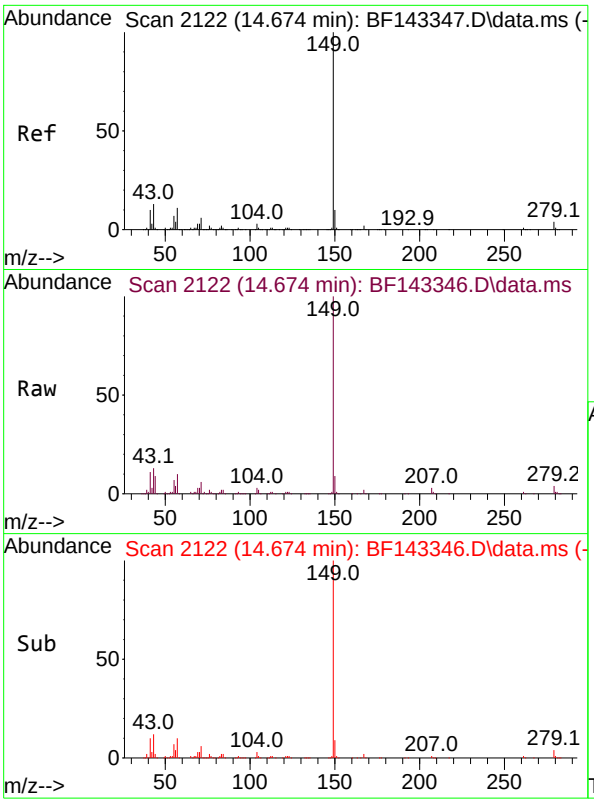


#84
Bis(2-ethylhexyl)phthalate
Concen: 17.077 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 107115

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	3.7	3.2	4.8



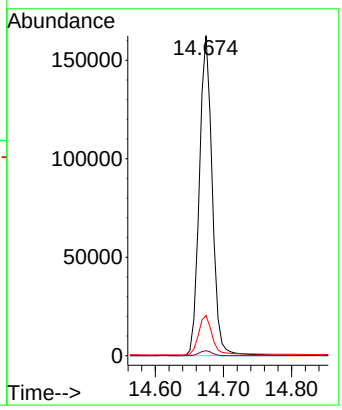


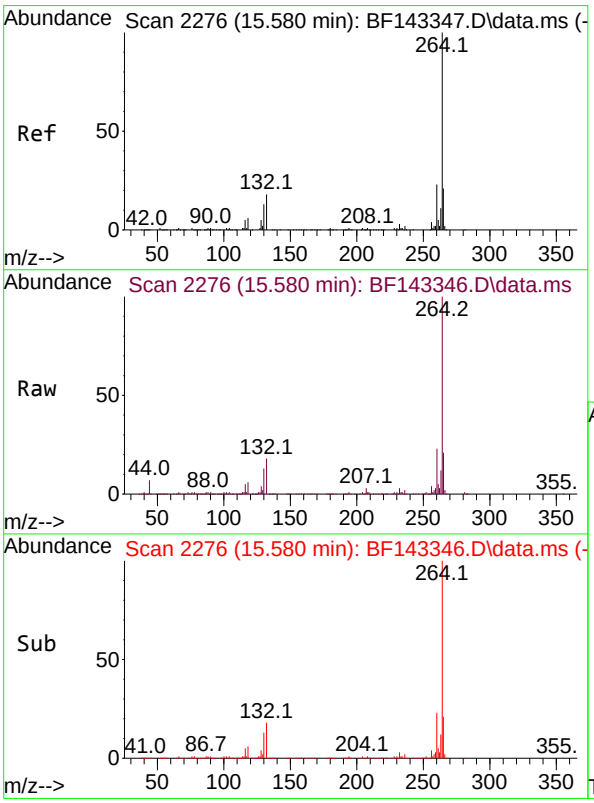
#85
Di-n-octyl phthalate
Concen: 18.493 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 213024

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

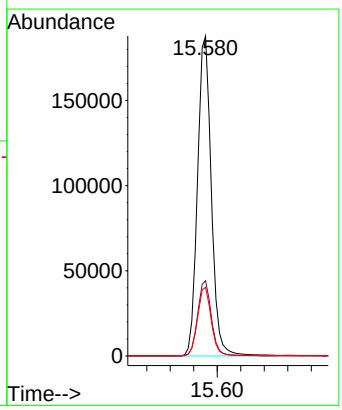


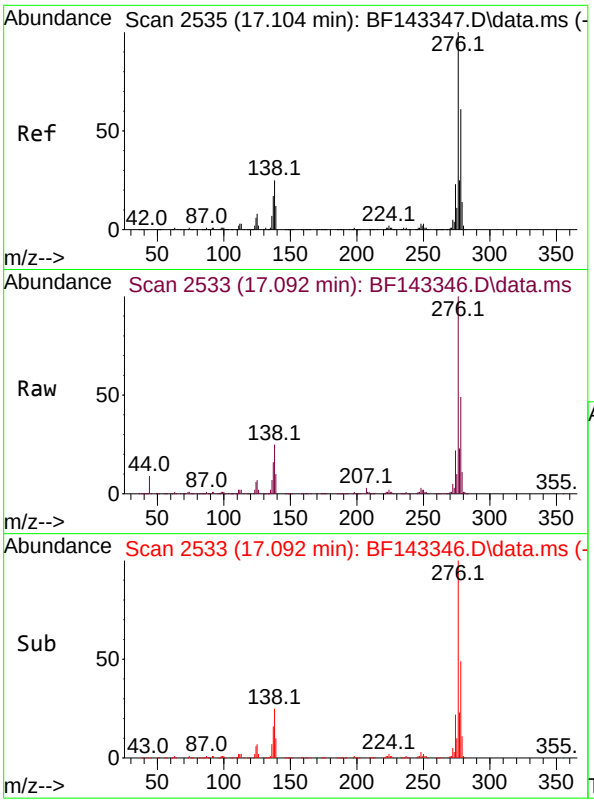


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:264 Resp: 306974

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.5	17.2	25.8



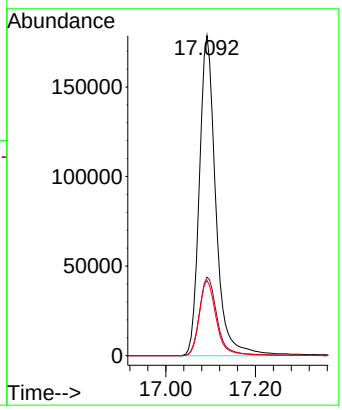


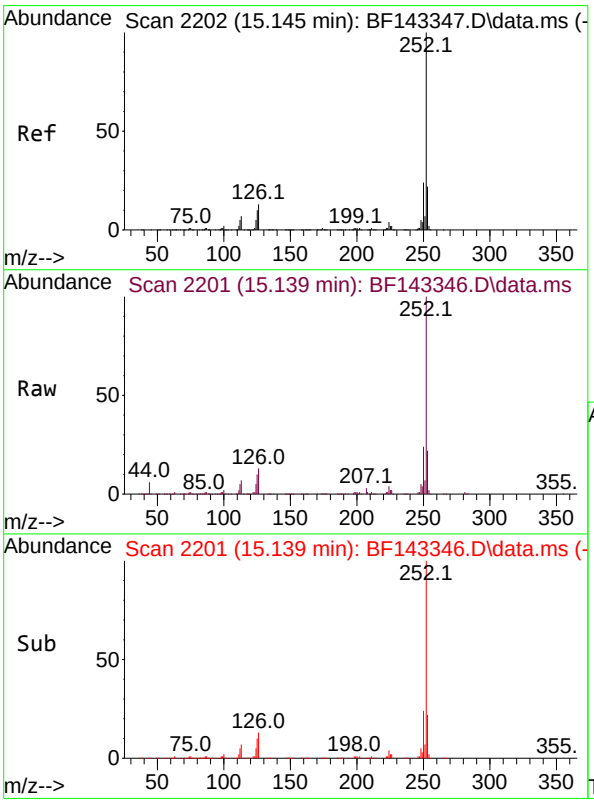
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.651 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 454164

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.1	31.7
277	24.4	20.2	30.2

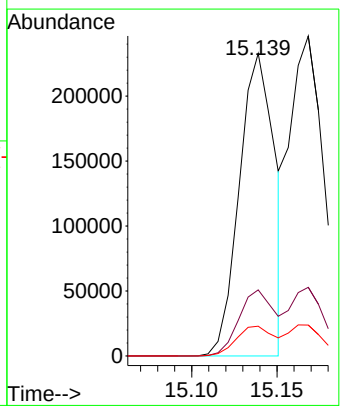


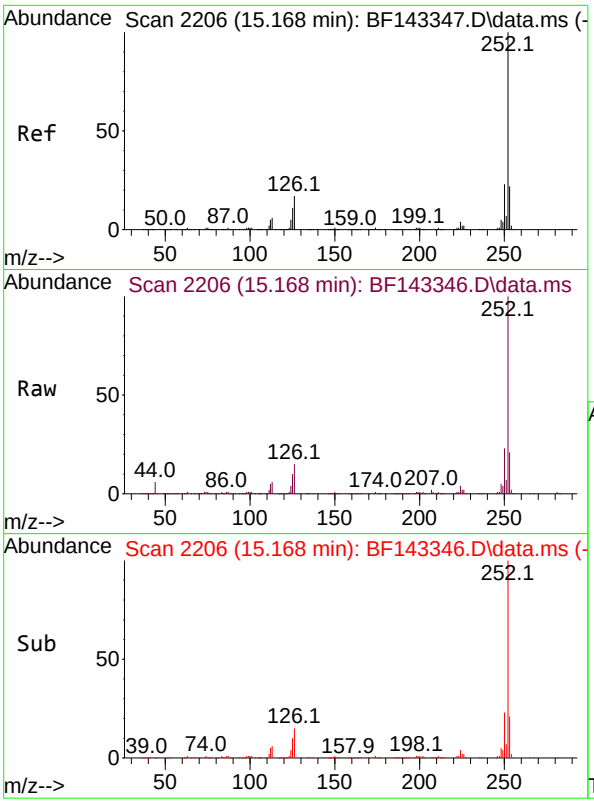


#88
Benzo(b)fluoranthene
Concen: 19.971 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 335316

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.8	7.8	11.6



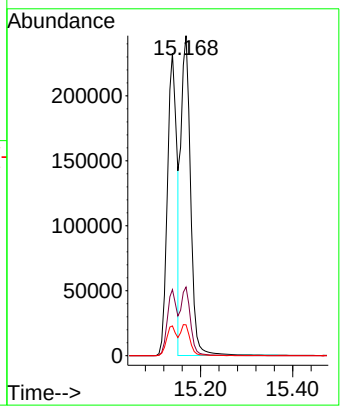


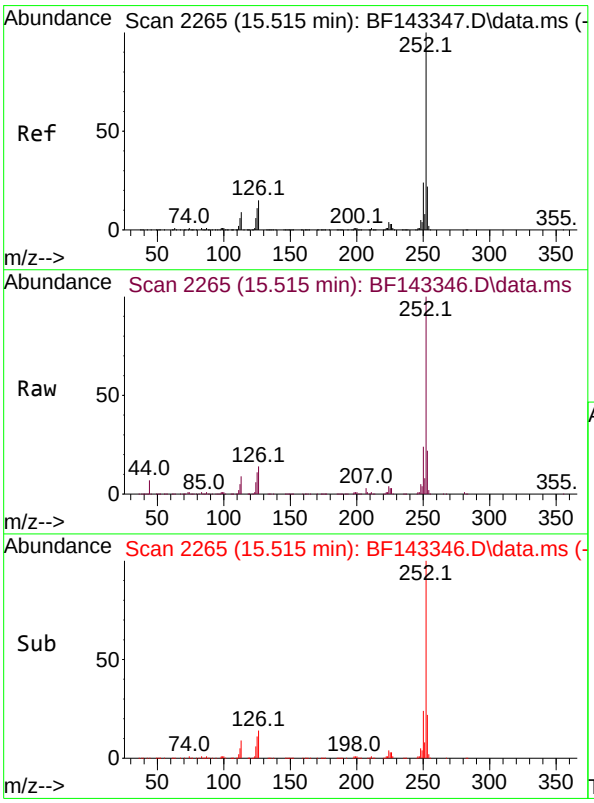
#89
Benzo(k)fluoranthene
Concen: 21.789 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 355480

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	9.7	8.4	12.6

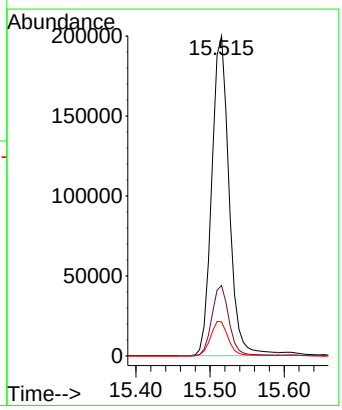


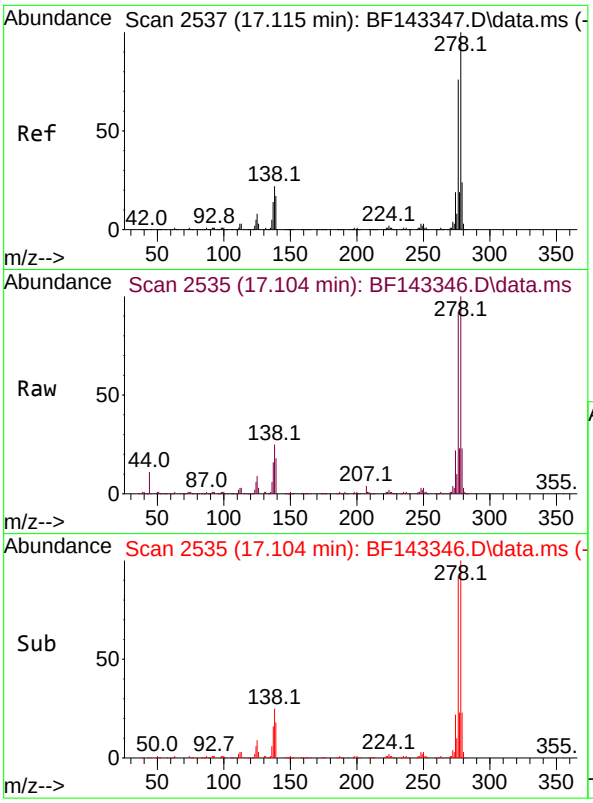


#90
Benzo(a)pyrene
Concen: 20.580 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 325450

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.6	9.1	13.7



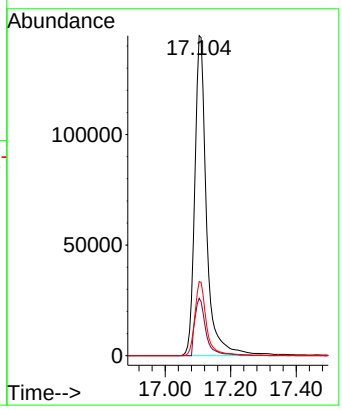


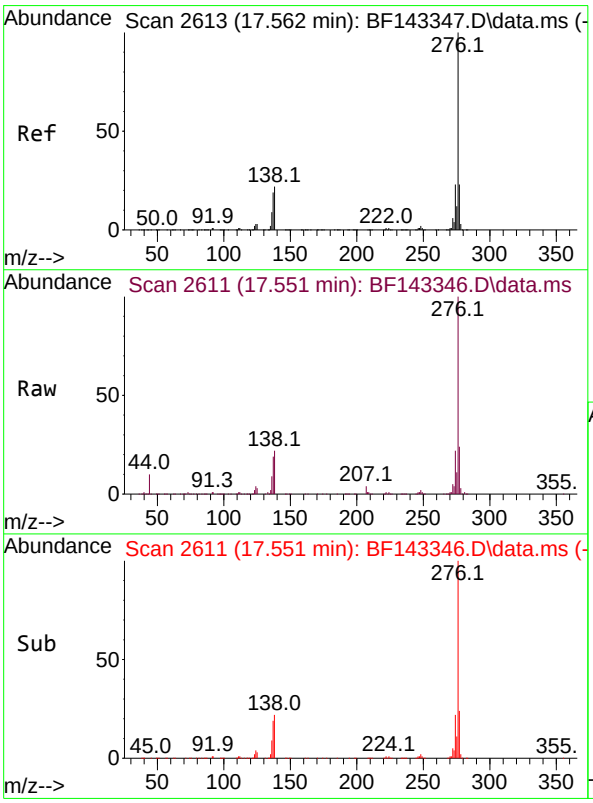
#91
Dibenzo(a,h)anthracene
Concen: 20.688 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 363491

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.0	21.0
279	23.1	19.4	29.0

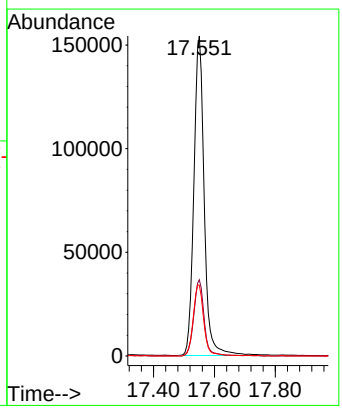




#92
Benzo(g,h,i)perylene
Concen: 20.596 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:276 Resp: 364540

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	22.1	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	167361	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	655032	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345532	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	517467	20.000	ng	0.00
76) Chrysene-d12	14.092	240	290137	20.000	ng	0.00
86) Perylene-d12	15.580	264	328158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	789566	81.582	ng	0.00
7) Phenol-d6	6.563	99	1004217	80.913	ng	0.00
23) Nitrobenzene-d5	7.492	82	879802	83.642	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	220484	87.313	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1565121	76.811	ng	0.00
79) Terphenyl-d14	13.033	244	1263446	77.745	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	199574	39.850	ng	100
3) Pyridine	3.534	79	540627	40.510	ng	100
4) n-Nitrosodimethylamine	3.475	42	253901	40.843	ng	100
6) Aniline	6.593	93	709158	40.530	ng	100
8) 2-Chlorophenol	6.716	128	421515	40.760	ng	100
9) Benzaldehyde	6.481	77	338386	41.251	ng	100
10) Phenol	6.575	94	596665	40.582	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	437082	40.336	ng	100
12) 1,3-Dichlorobenzene	6.875	146	479321	40.184	ng	100
13) 1,4-Dichlorobenzene	6.951	146	473345	39.538	ng	100
14) 1,2-Dichlorobenzene	7.104	146	451017	39.687	ng	100
15) Benzyl Alcohol	7.069	79	364330	40.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	775460	40.085	ng	100
17) 2-Methylphenol	7.181	107	355981	40.780	ng	100
18) Hexachloroethane	7.445	117	154773	41.236	ng	100
19) n-Nitroso-di-n-propyla...	7.340	70	304543	39.712	ng	100
20) 3+4-Methylphenols	7.334	107	431056	40.831	ng	100
22) Acetophenone	7.334	105	562380	38.966	ng	100
24) Nitrobenzene	7.510	77	469916	41.135	ng	100
25) Isophorone	7.751	82	845188	39.360	ng	100
26) 2-Nitrophenol	7.828	139	165661	37.083	ng	100
27) 2,4-Dimethylphenol	7.863	122	365692	40.820	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	518389	39.540	ng	100
29) 2,4-Dichlorophenol	8.069	162	360583	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	363439	39.377	ng	100
31) Naphthalene	8.234	128	1237121	39.250	ng	100
32) Benzoic acid	7.969	122	141523	39.021	ng	100
33) 4-Chloroaniline	8.281	127	452276	39.784	ng	100
34) Hexachlorobutadiene	8.357	225	229101	39.902	ng	100
35) Caprolactam	8.645	113	103025	41.884	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	375017	40.883	ng	100
37) 2-Methylnaphthalene	8.928	142	814304	39.298	ng	100
38) 1-Methylnaphthalene	9.022	142	779823	39.075	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	374807	39.640	ng	100
41) Hexachlorocyclopentadiene	9.081	237	115551	38.401	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	230730	43.008	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

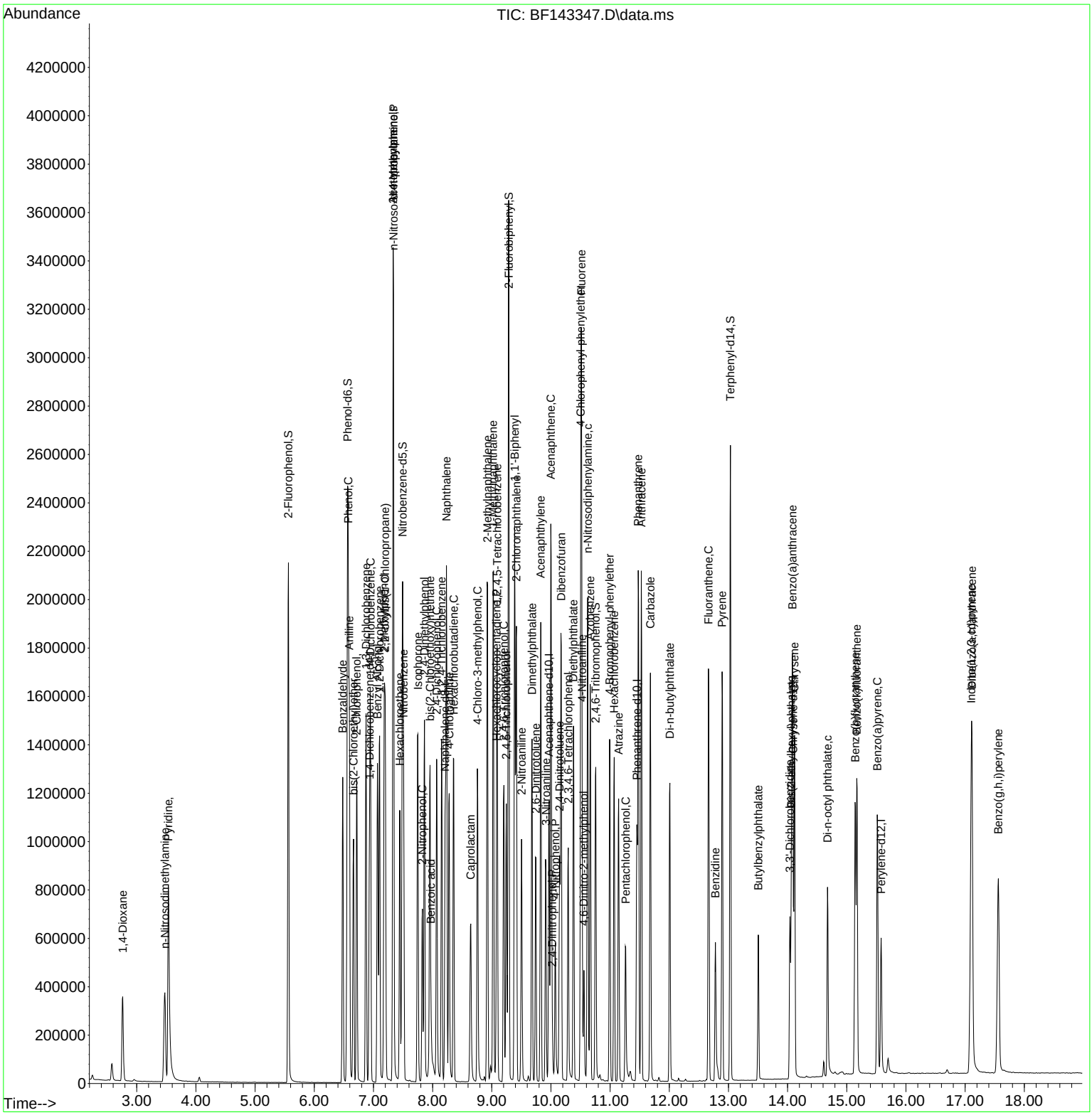
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	260681	43.029	ng	100
46) 1,1'-Biphenyl	9.386	154	959774	39.285	ng	100
47) 2-Chloronaphthalene	9.416	162	756597	39.322	ng	100
48) 2-Nitroaniline	9.504	65	213717	39.058	ng	100
49) Acenaphthylene	9.828	152	1097291	39.490	ng	100
50) Dimethylphthalate	9.681	163	815627	40.398	ng	100
51) 2,6-Dinitrotoluene	9.745	165	147260	39.128	ng	100
52) Acenaphthene	9.998	154	728691	39.446	ng	100
53) 3-Nitroaniline	9.916	138	180447	43.642	ng	100
54) 2,4-Dinitrophenol	10.022	184	45578	39.434	ng	100
55) Dibenzofuran	10.175	168	1043986	39.267	ng	100
56) 4-Nitrophenol	10.075	139	119387	39.132	ng	100
57) 2,4-Dinitrotoluene	10.145	165	199781	39.946	ng	100
58) Fluorene	10.516	166	789149	38.860	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	176166	43.137	ng	100
60) Diethylphthalate	10.381	149	746813	41.295	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	389122	39.656	ng	100
62) 4-Nitroaniline	10.528	138	171799	42.946	ng	100
63) Azobenzene	10.663	77	824319	39.906	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	73478	37.049	ng	100
66) n-Nitrosodiphenylamine	10.622	169	678152	39.800	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239456	40.461	ng	100
68) Hexachlorobenzene	11.069	284	252547	39.589	ng	100
69) Atrazine	11.145	200	184584	41.534	ng	100
70) Pentachlorophenol	11.263	266	111946	39.119	ng	100
71) Phenanthrene	11.475	178	1118795	39.627	ng	100
72) Anthracene	11.528	178	1126030	39.327	ng	100
73) Carbazole	11.680	167	966534	39.637	ng	100
74) Di-n-butylphthalate	12.010	149	894432	43.346	ng	100
75) Fluoranthene	12.663	202	949305	38.386	ng	100
77) Benzidine	12.780	184	343155	43.261	ng	100
78) Pyrene	12.892	202	963681	39.593	ng	100
80) Butylbenzylphthalate	13.504	149	175897	37.368	ng	100
81) Benzo(a)anthracene	14.080	228	730158	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	211236	42.421	ng	100
83) Chrysene	14.116	228	681835	39.653	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	256146	37.186	ng	100
85) Di-n-octyl phthalate	14.674	149	515170	38.008	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	950872	40.445	ng	100
88) Benzo(b)fluoranthene	15.145	252	733725	40.879	ng	100
89) Benzo(k)fluoranthene	15.168	252	679660	38.970	ng	100
90) Benzo(a)pyrene	15.515	252	678288	40.124	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	767630	40.870	ng	100
92) Benzo(g,h,i)perylene	17.562	276	767224	40.549	ng	100

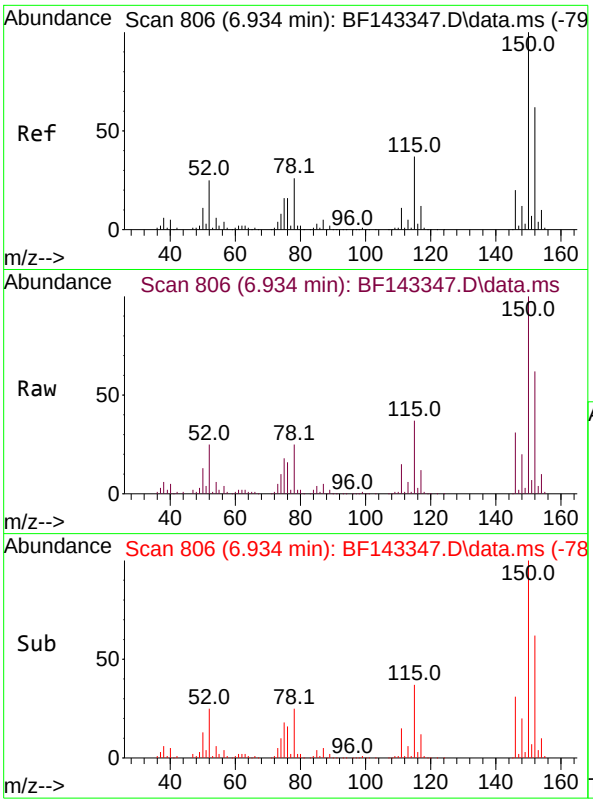
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



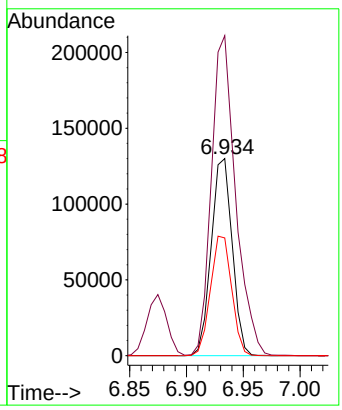


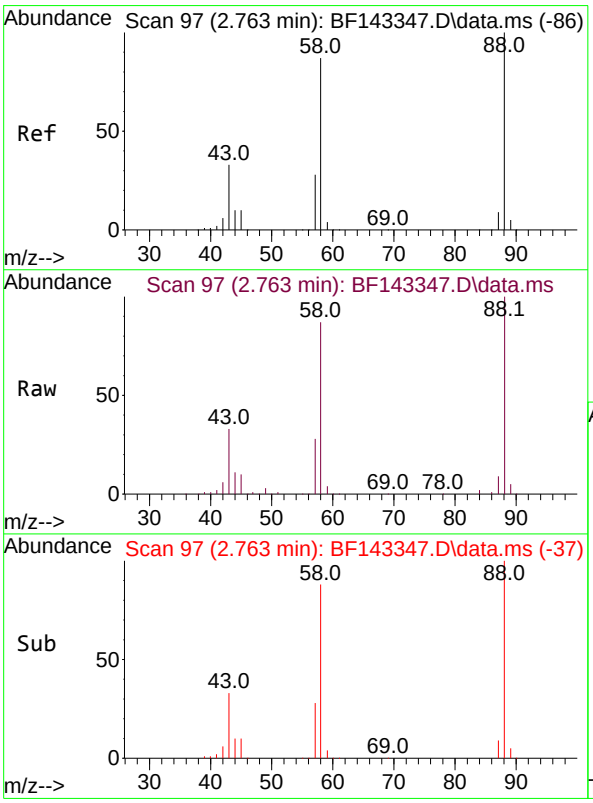
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 167361

Ion	Ratio	Lower	Upper
152	100		
150	162.3	129.8	194.8
115	59.8	47.8	71.8

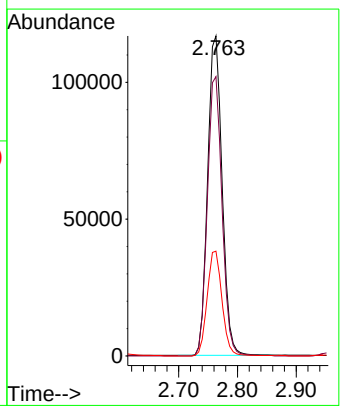


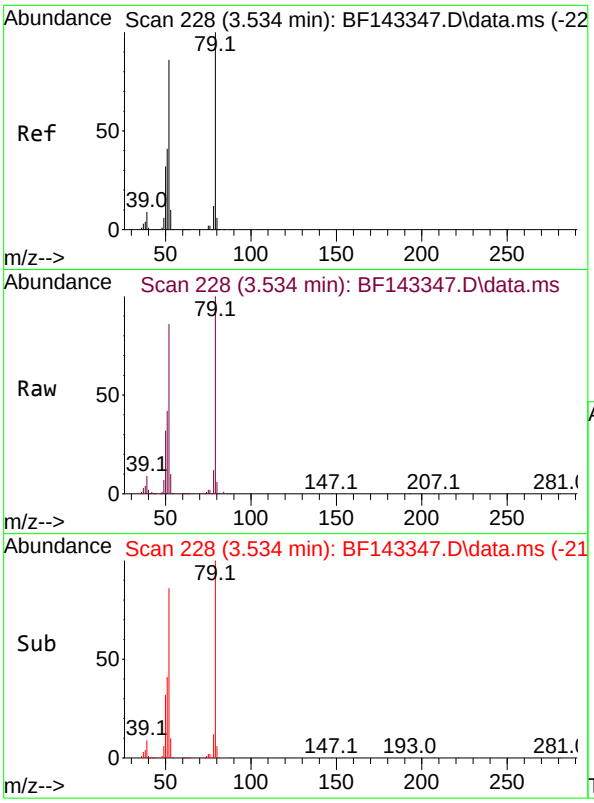


#2
1,4-Dioxane
Concen: 39.850 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 88 Resp: 199574

Ion	Ratio	Lower	Upper
88	100		
58	88.8	71.0	106.6
43	33.8	27.0	40.6



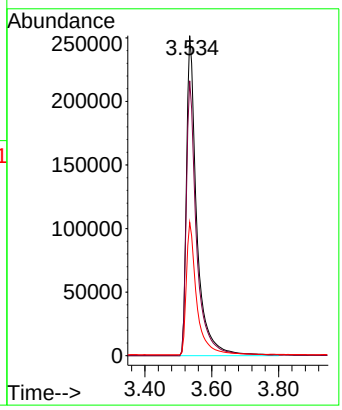


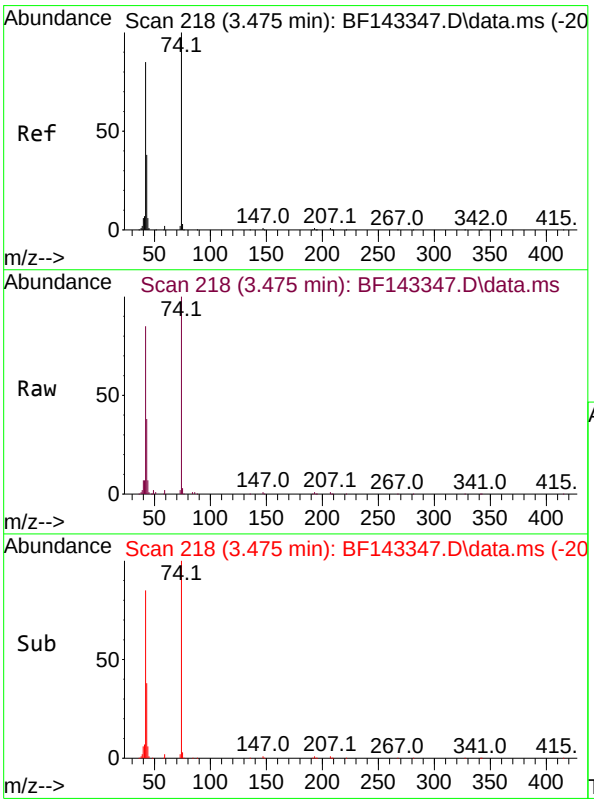
#3
Pyridine
Concen: 40.510 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 540627

Ion	Ratio	Lower	Upper
79	100		
52	85.9	68.7	103.1
51	41.7	33.4	50.0

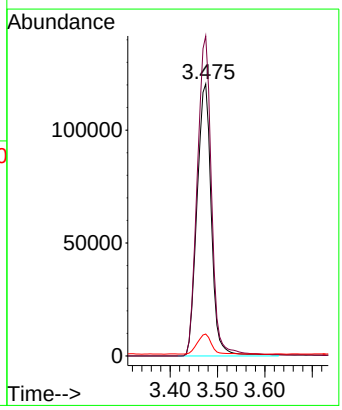


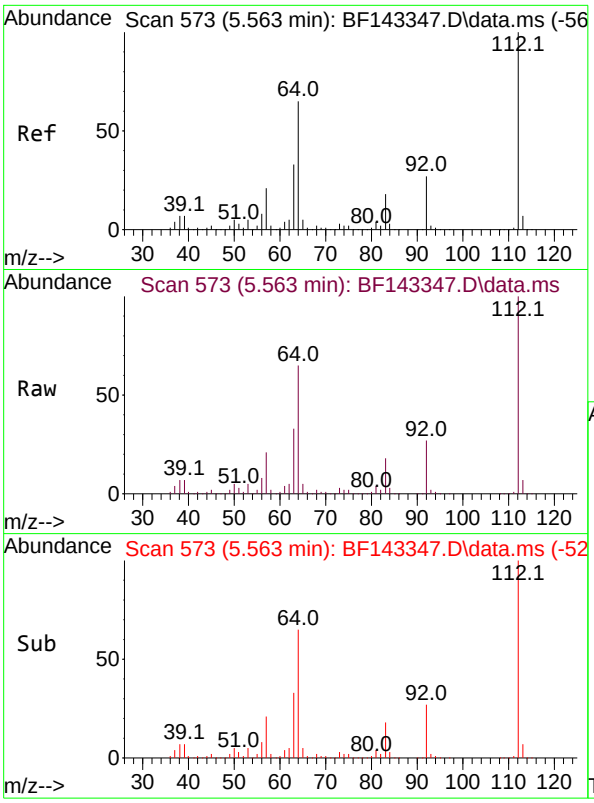


#4
n-Nitrosodimethylamine
Concen: 40.843 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 42 Resp: 253901

Ion	Ratio	Lower	Upper
42	100		
74	117.6	94.1	141.1
44	8.1	6.5	9.7



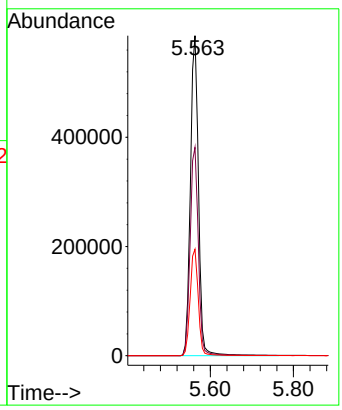


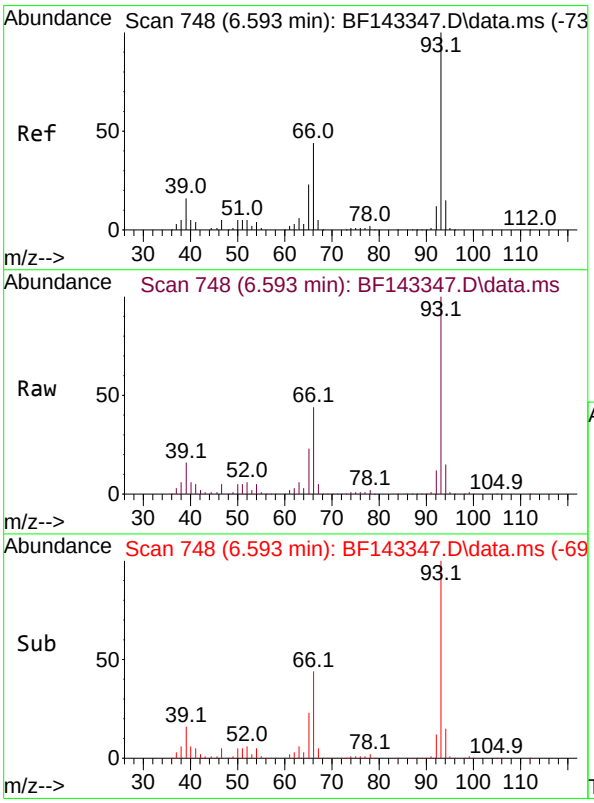
#5
2-Fluorophenol
Concen: 81.582 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 789566

Ion	Ratio	Lower	Upper
112	100		
64	65.1	52.1	78.1
63	33.2	26.6	39.8

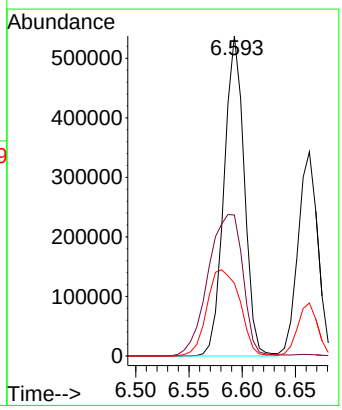


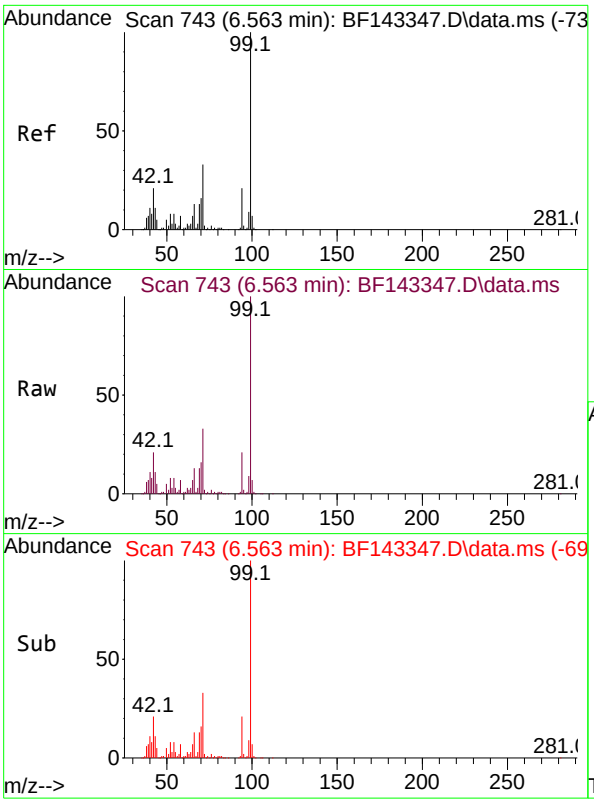


#6
Aniline
Concen: 40.530 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 709158

Ion	Ratio	Lower	Upper
93	100		
66	44.1	35.3	52.9
65	22.8	18.2	27.4



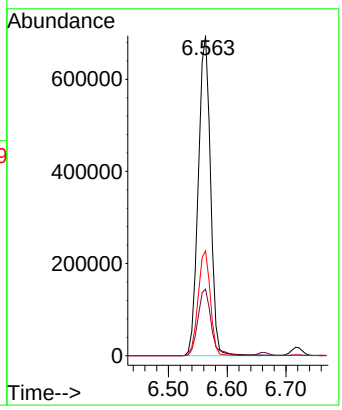


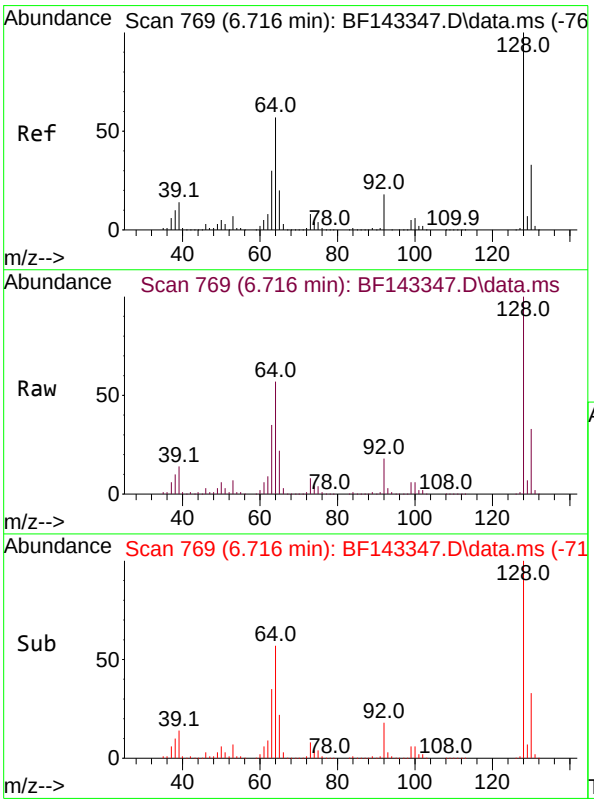
#7
Phenol-d6
Concen: 80.913 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1004217

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.7	26.2	39.2

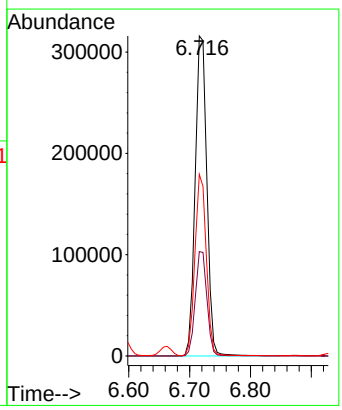


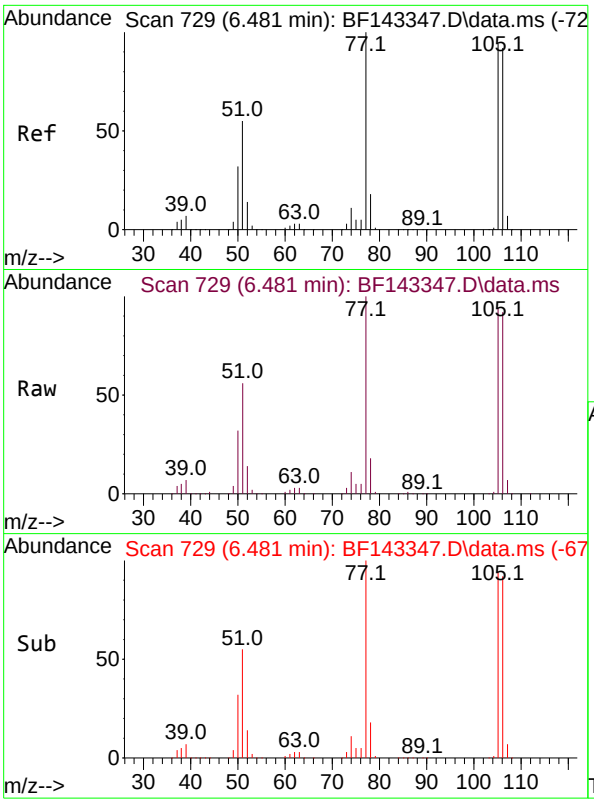


#8
2-Chlorophenol
Concen: 40.760 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:128 Resp: 421515

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	56.7	36.7	76.7



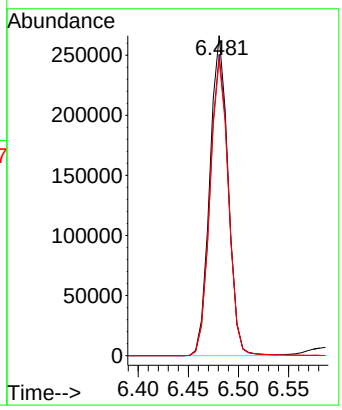


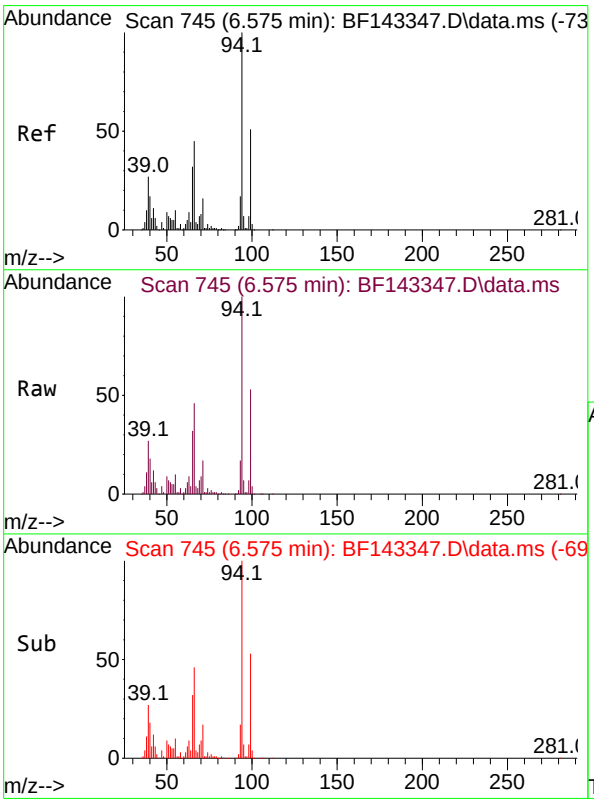
#9
Benzaldehyde
Concen: 41.251 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 338386

Ion	Ratio	Lower	Upper
77	100		
105	94.2	74.2	114.2
106	92.2	72.2	112.2

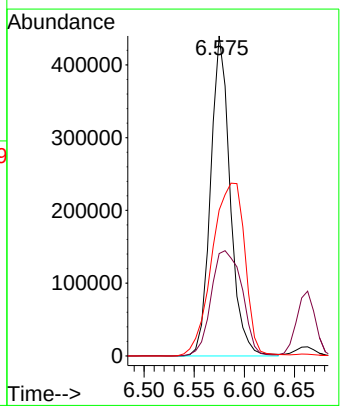


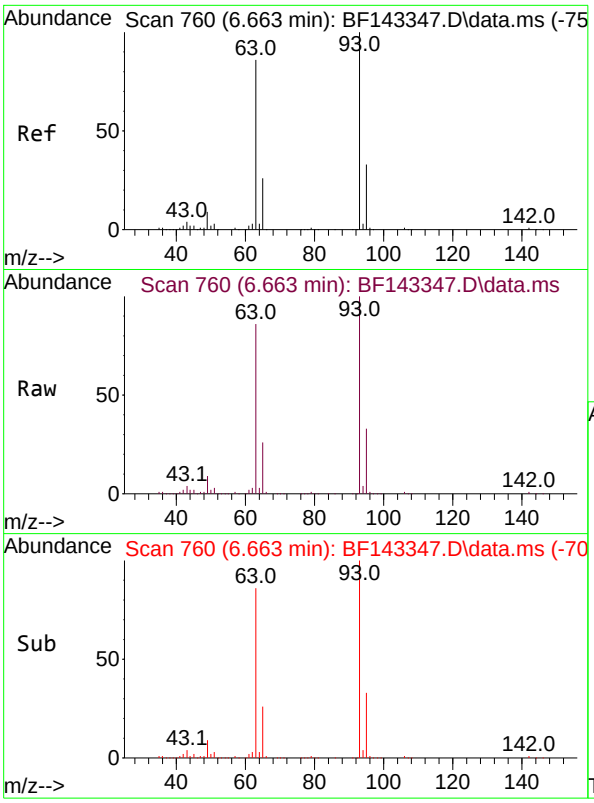


#10
Phenol
Concen: 40.582 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 94 Resp: 596665

Ion	Ratio	Lower	Upper
94	100		
65	32.0	12.0	52.0
66	45.6	25.6	65.6



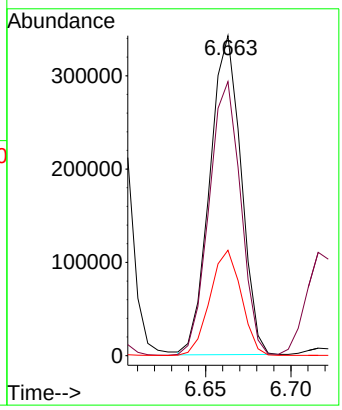


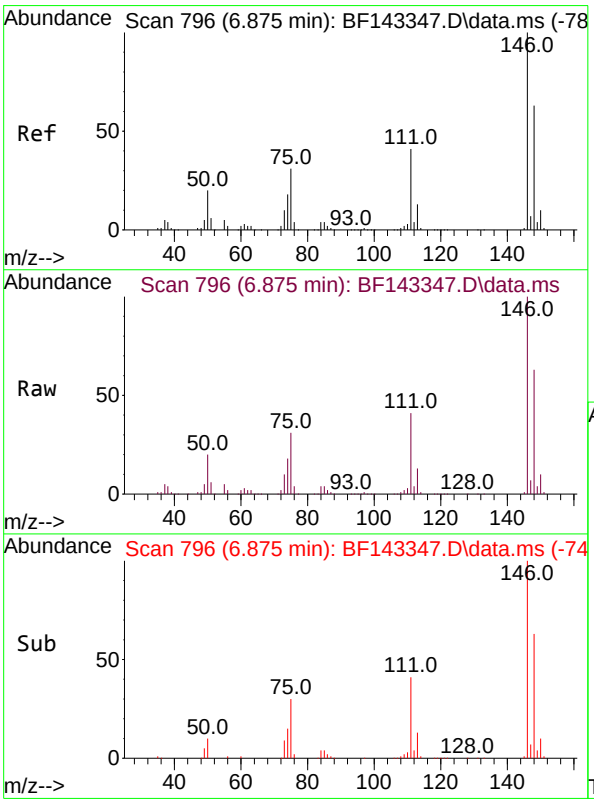
#11
bis(2-Chloroethyl)ether
Concen: 40.336 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 437082

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	33.0	13.0	53.0

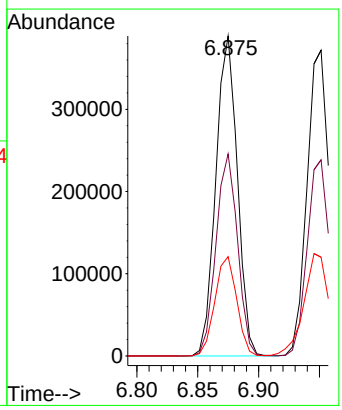


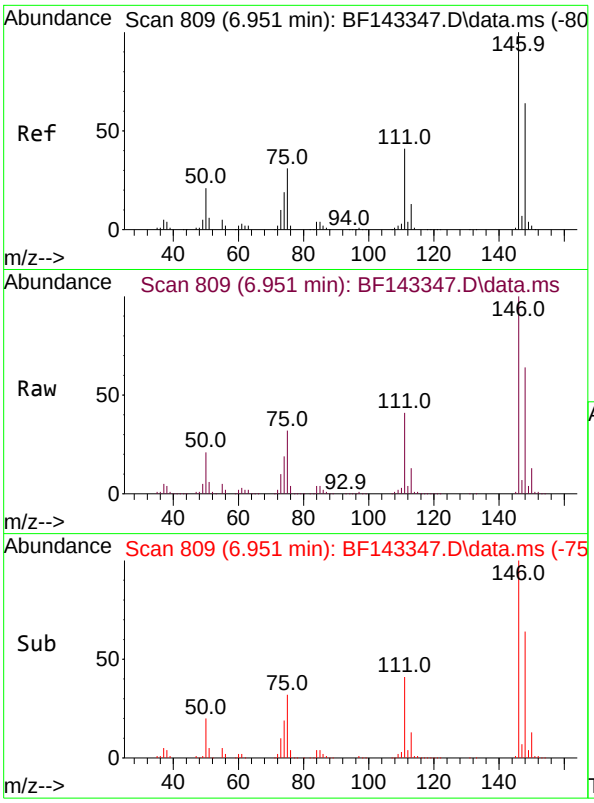


#12
1,3-Dichlorobenzene
Concen: 40.184 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:146 Resp: 479321

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	31.1	24.9	37.3



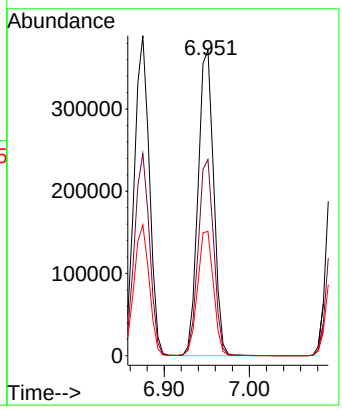


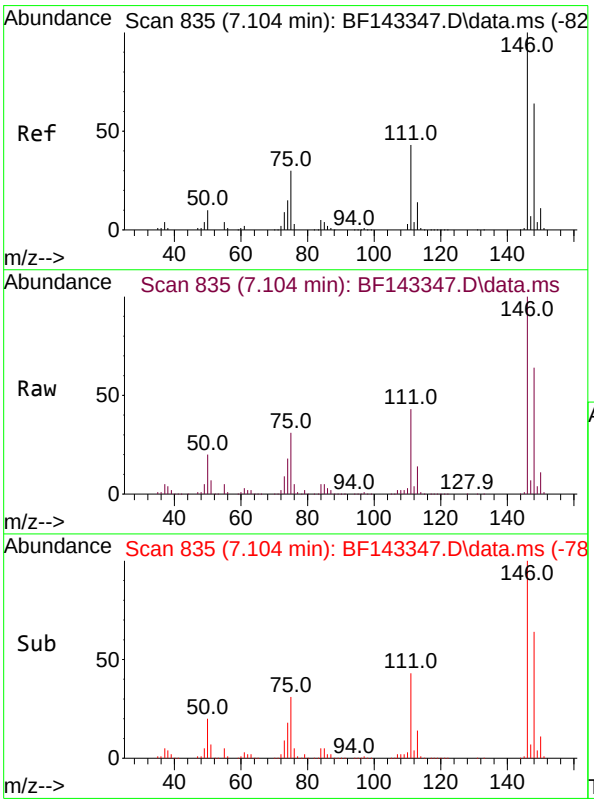
#13
1,4-Dichlorobenzene
Concen: 39.538 ng
RT: 6.951 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 473345

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	40.7	32.6	48.8

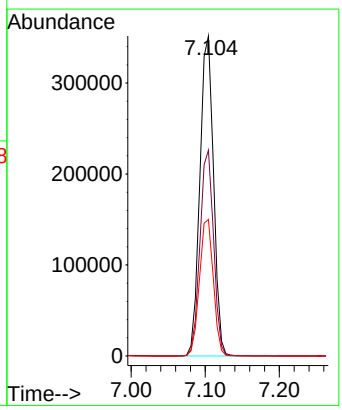


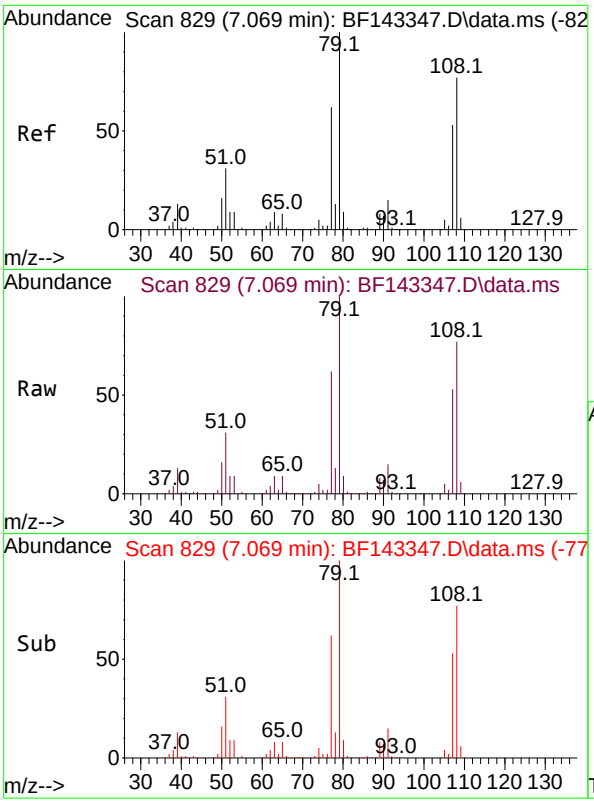


#14
1,2-Dichlorobenzene
Concen: 39.687 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:146 Resp: 451017

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	42.6	34.1	51.1



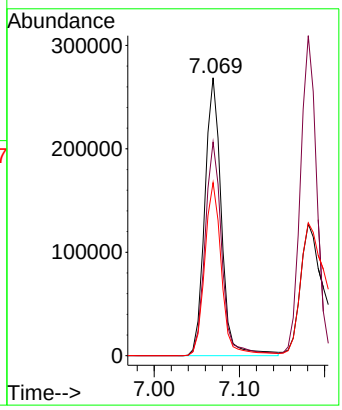


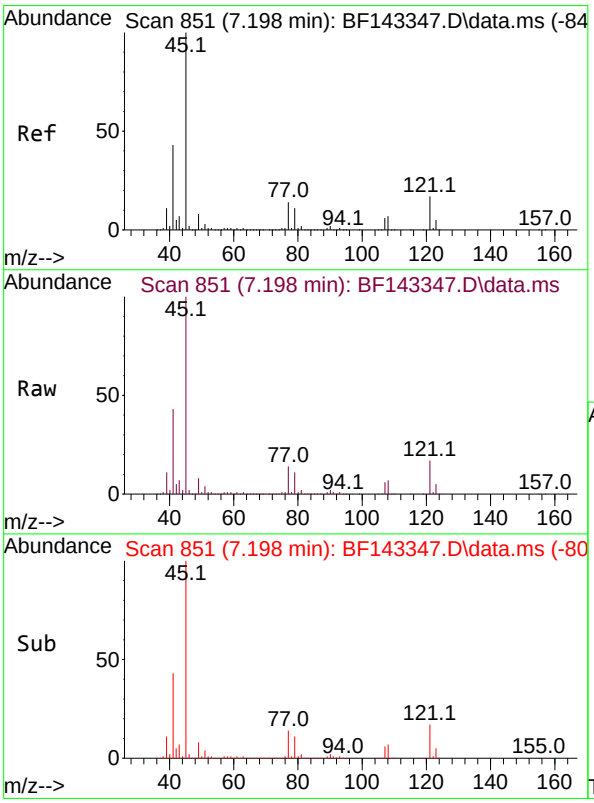
#15
Benzyl Alcohol
Concen: 40.952 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 364330

Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.5	92.3
77	62.3	49.8	74.8

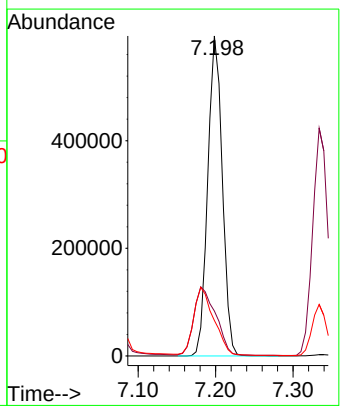


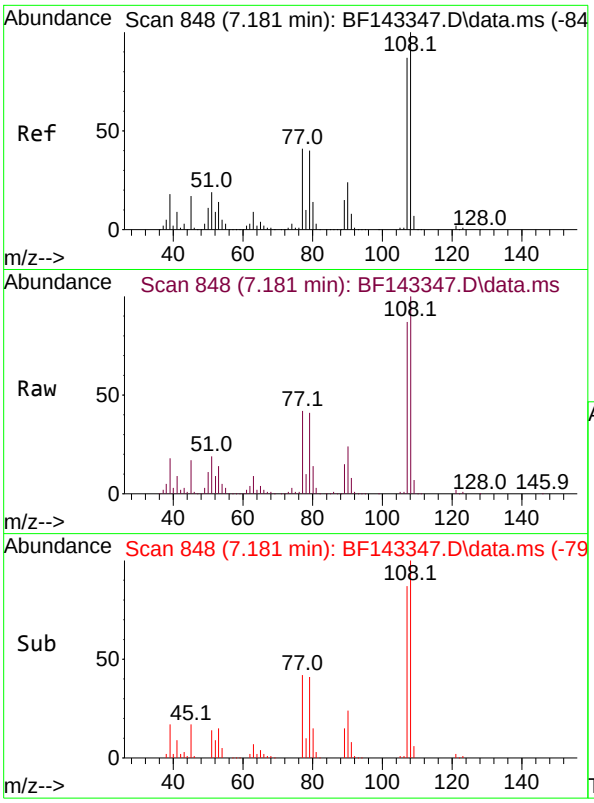


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.085 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 45 Resp: 775460

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.0
79	11.1	0.0	31.1



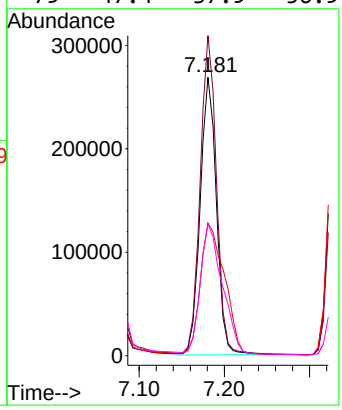


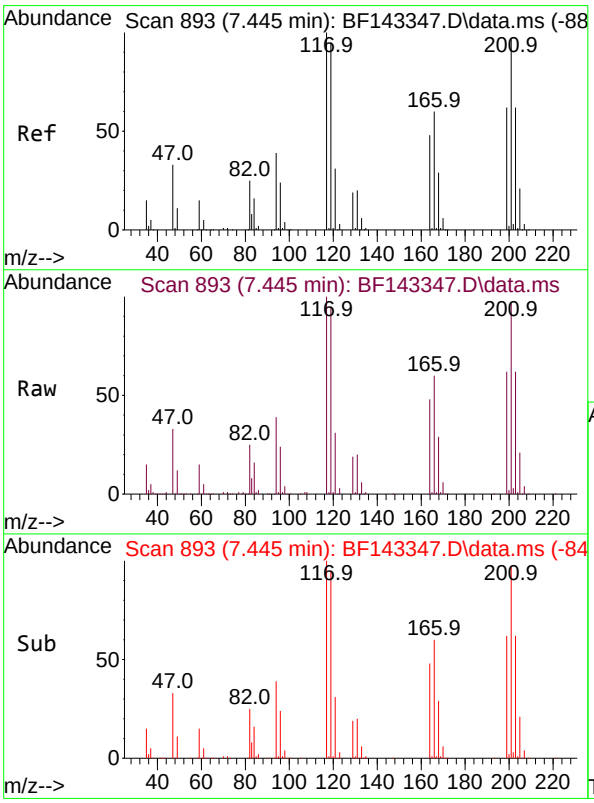
#17
2-Methylphenol
Concen: 40.780 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 355981

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	47.7	38.2	57.2
79	47.4	37.9	56.9

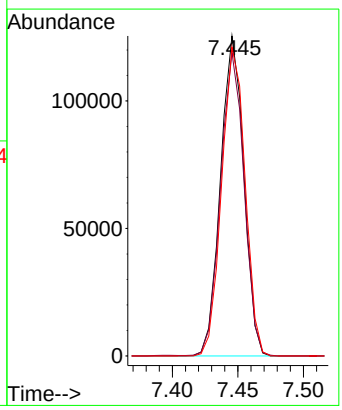


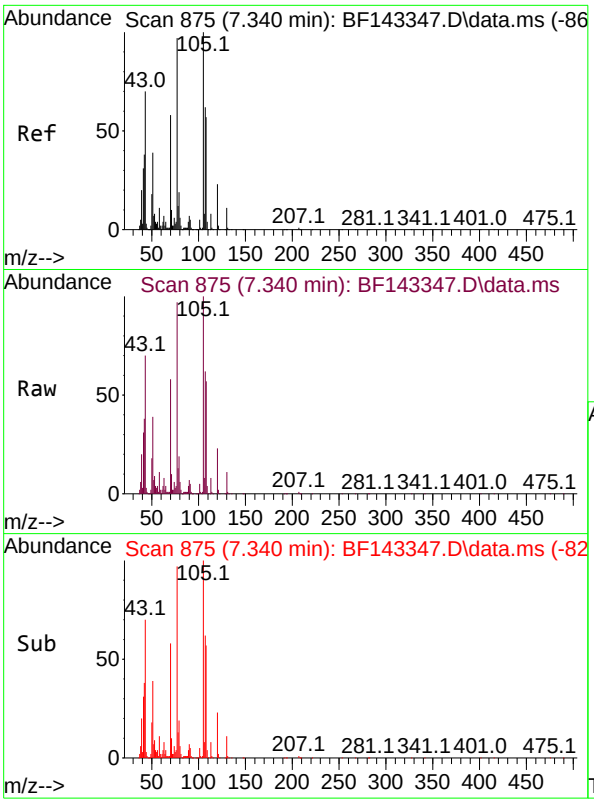


#18
Hexachloroethane
Concen: 41.236 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:117 Resp: 154773

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	96.5	77.2	115.8



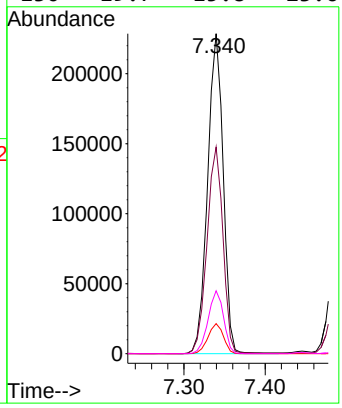


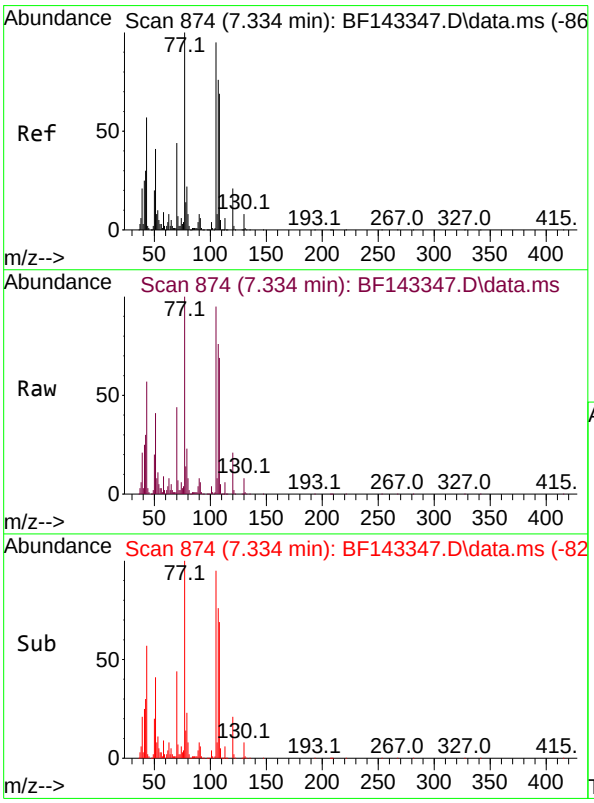
#19
n-Nitroso-di-n-propylamine
Concen: 39.712 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 304543

Ion	Ratio	Lower	Upper
70	100		
42	64.5	51.6	77.4
101	9.4	7.5	11.3
130	19.7	15.8	23.6

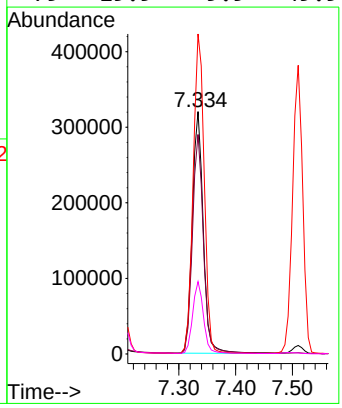


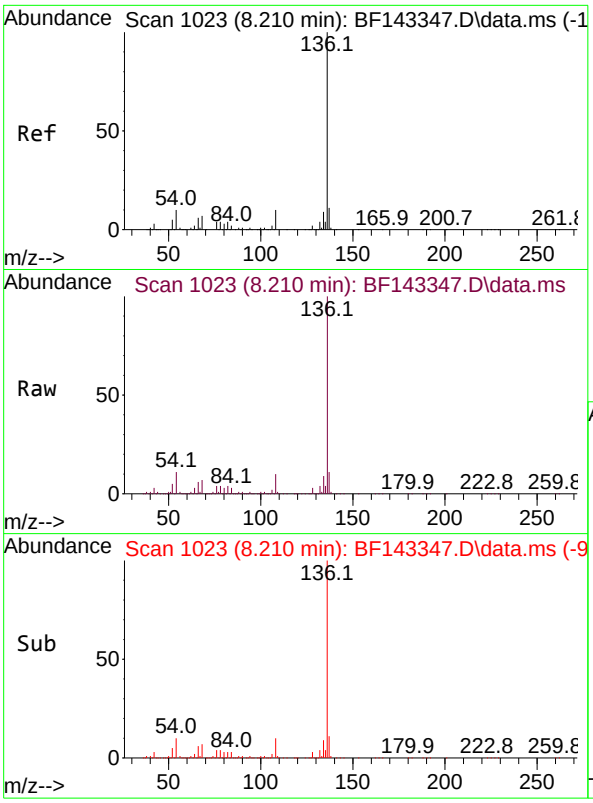


#20
3+4-Methylphenols
Concen: 40.831 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 431056

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.6	110.6
77	132.0	112.0	152.0
79	29.9	9.9	49.9



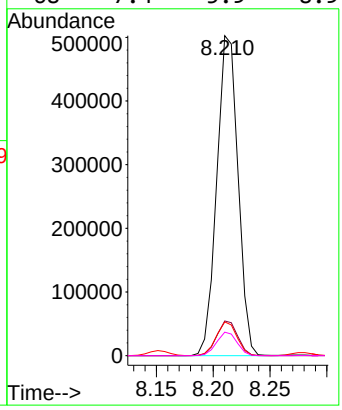


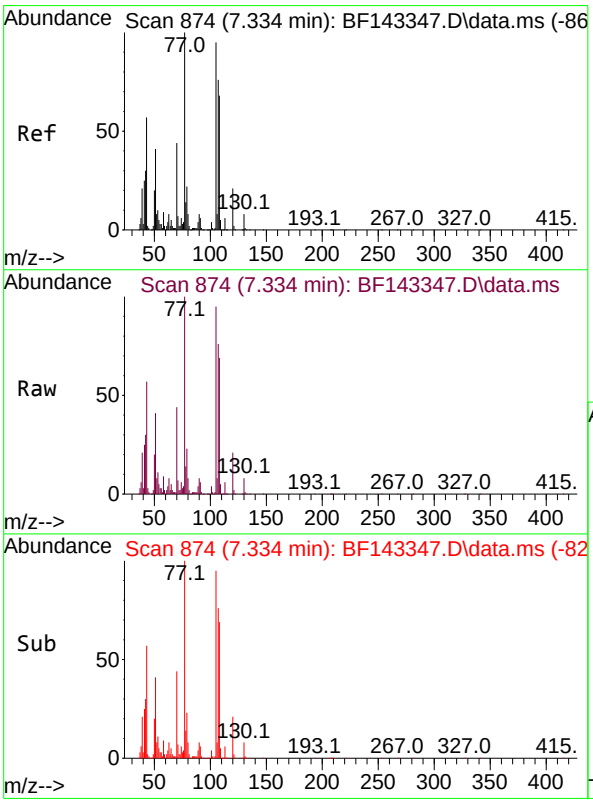
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 655032

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.4	12.6
68	7.4	5.9	8.9

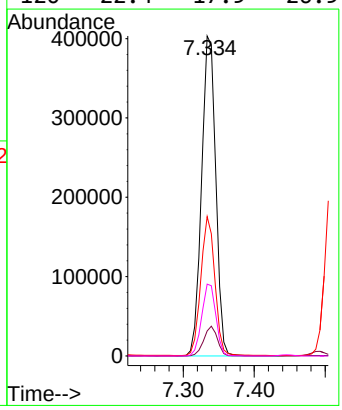


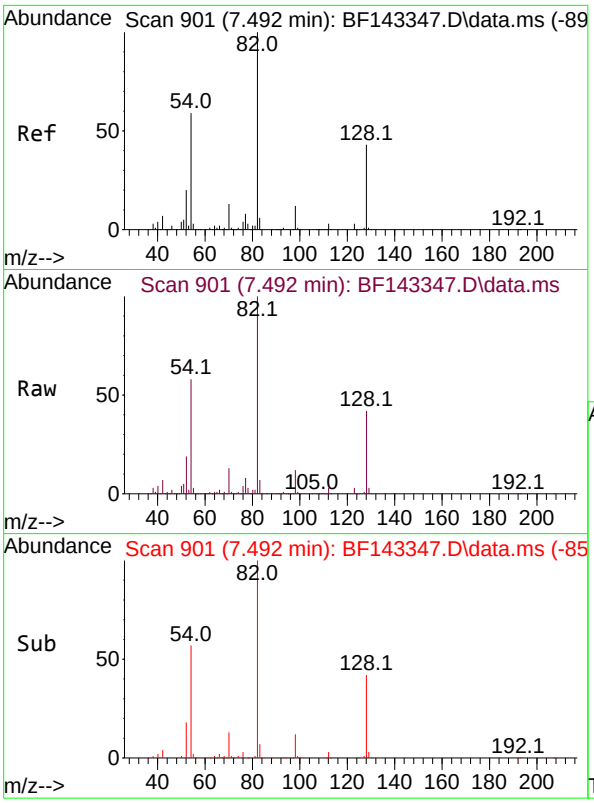


#22
Acetophenone
Concen: 38.966 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:105 Resp: 562380

Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.2	9.4
51	43.5	34.8	52.2
120	22.4	17.9	26.9



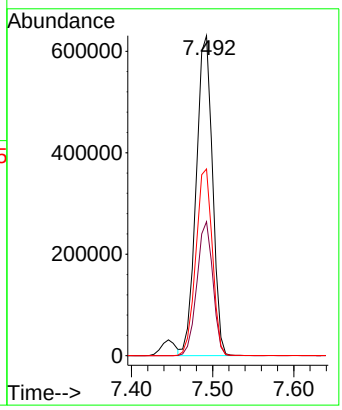


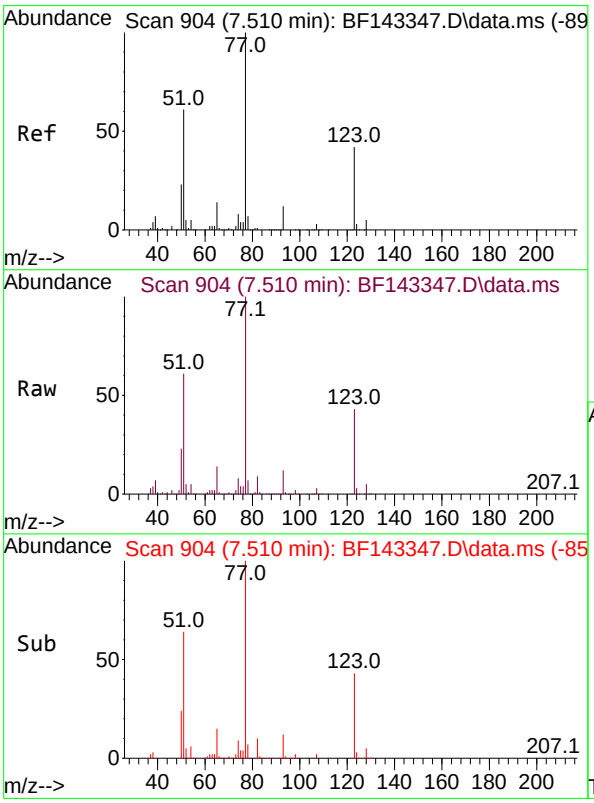
#23
Nitrobenzene-d5
Concen: 83.642 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 879802

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.5	50.3
54	58.4	46.7	70.1

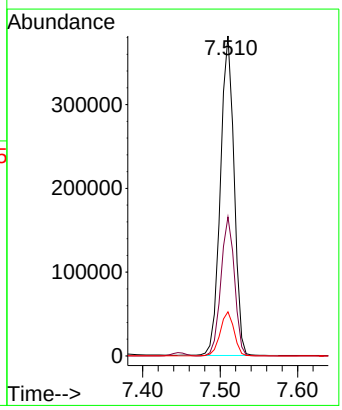


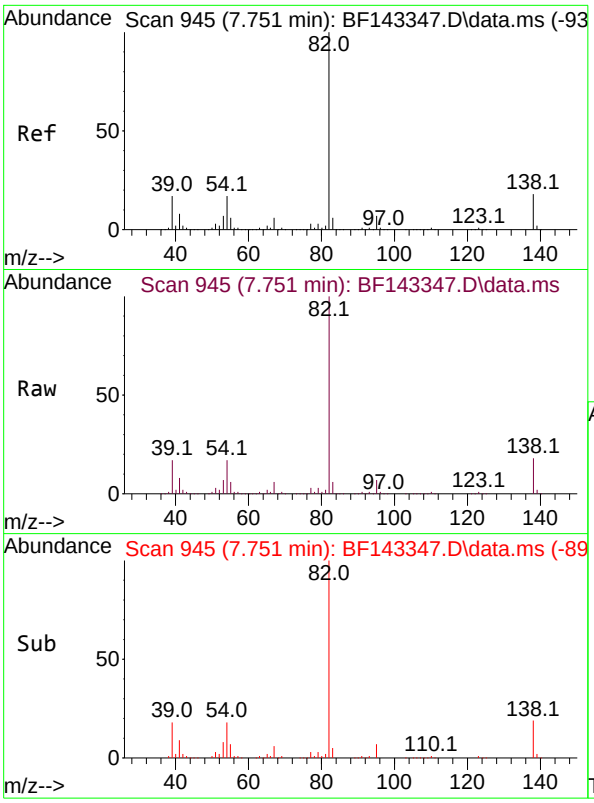


#24
Nitrobenzene
Concen: 41.135 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 77 Resp: 469916

Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.8	52.2
65	13.8	11.0	16.6



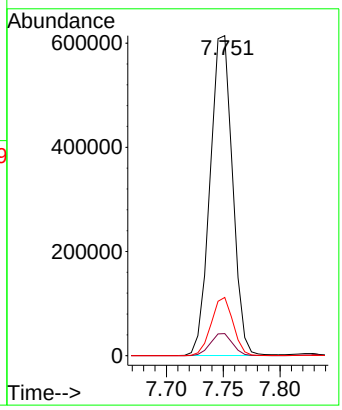


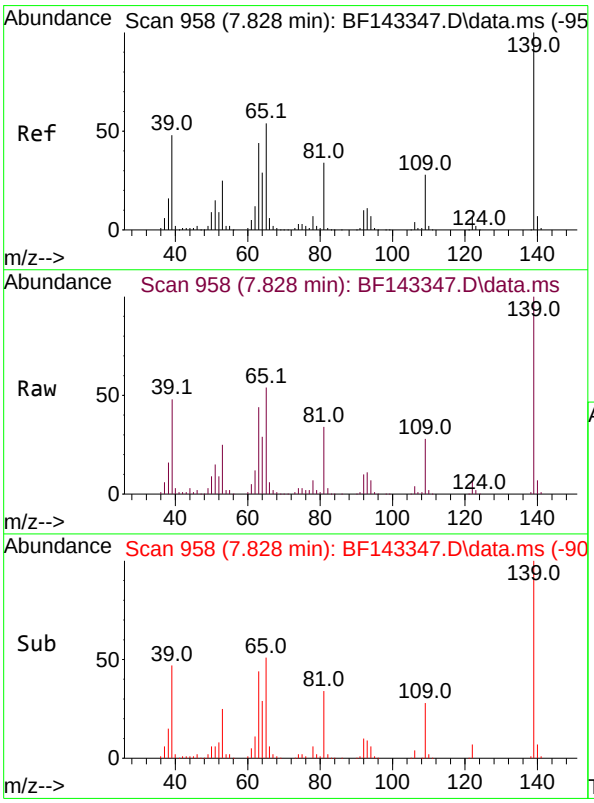
#25
Isophorone
Concen: 39.360 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 845188

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.2	14.6	21.8

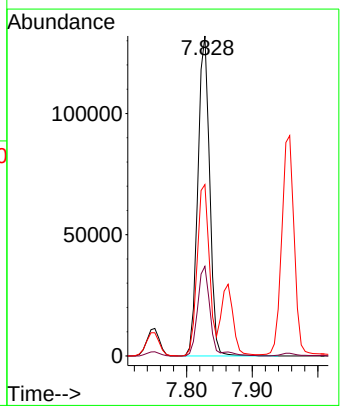


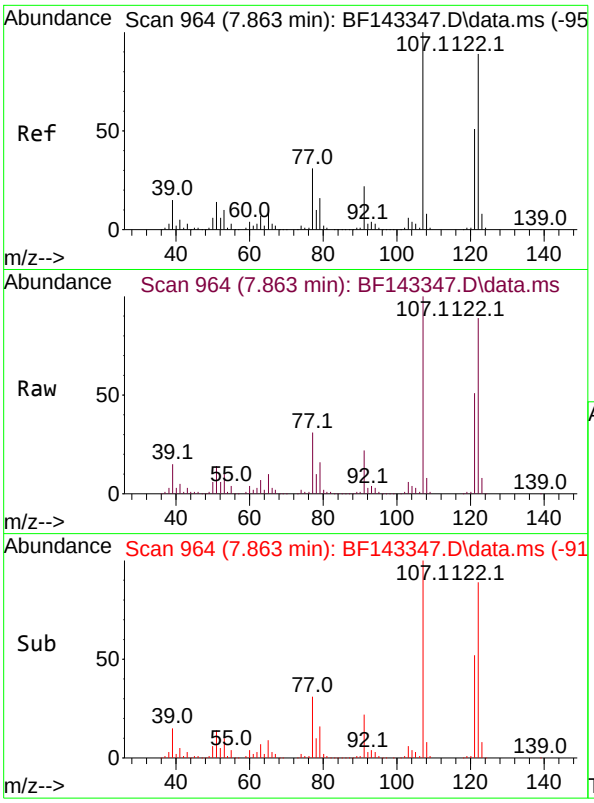


#26
2-Nitrophenol
Concen: 37.083 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 165661

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.4	33.6
65	53.6	42.9	64.3



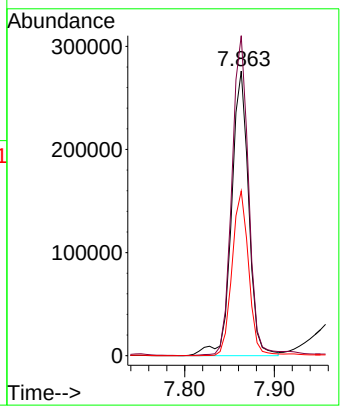


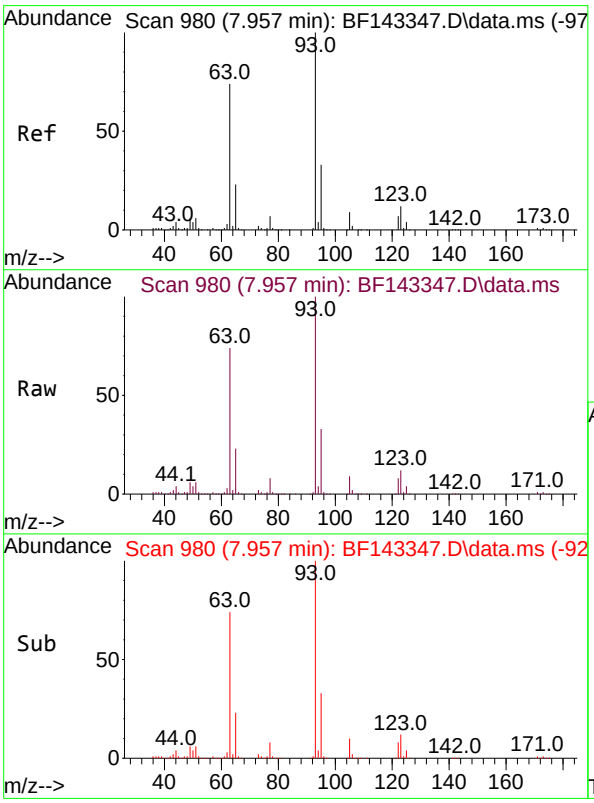
#27
2,4-Dimethylphenol
Concen: 40.820 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 365692

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	57.8	46.2	69.4

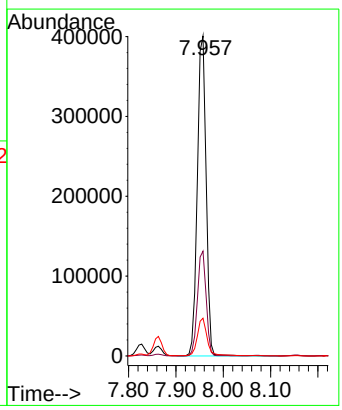


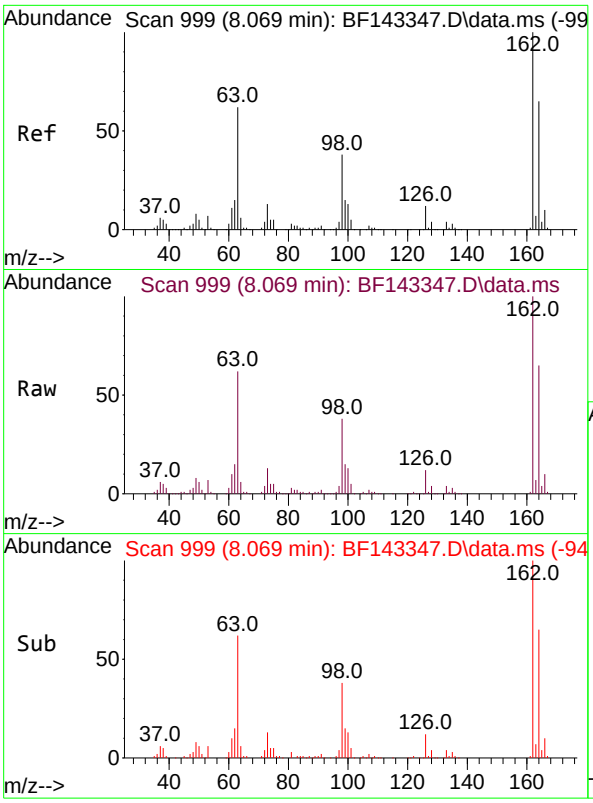


#28
bis(2-Chloroethoxy)methane
Concen: 39.540 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 518389

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.8	9.4	14.2



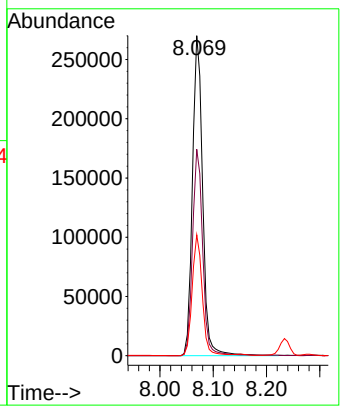


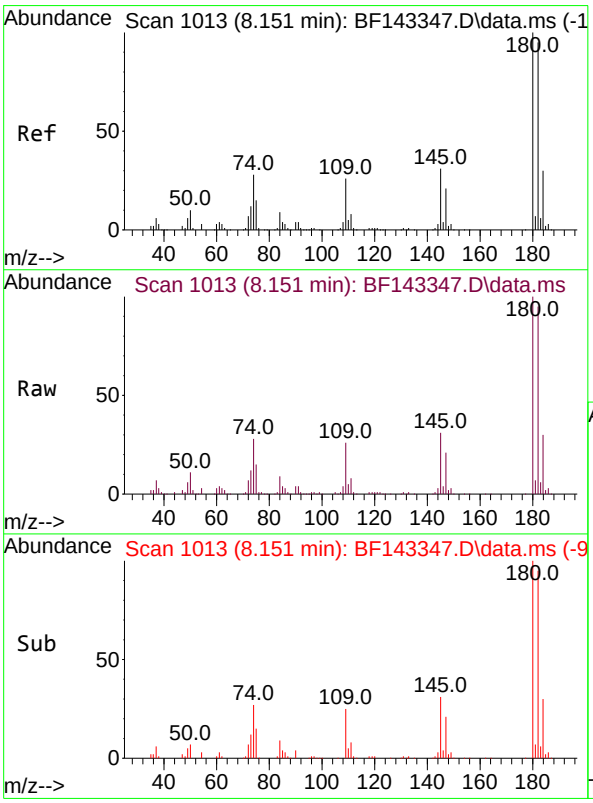
#29
2,4-Dichlorophenol
Concen: 41.210 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 360583

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.5	84.5
98	37.7	17.7	57.7

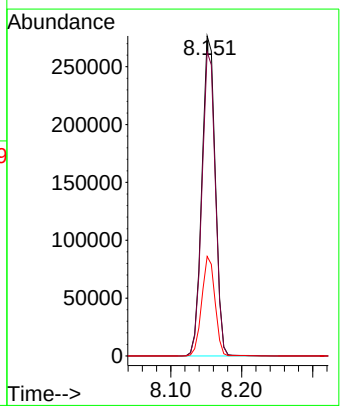


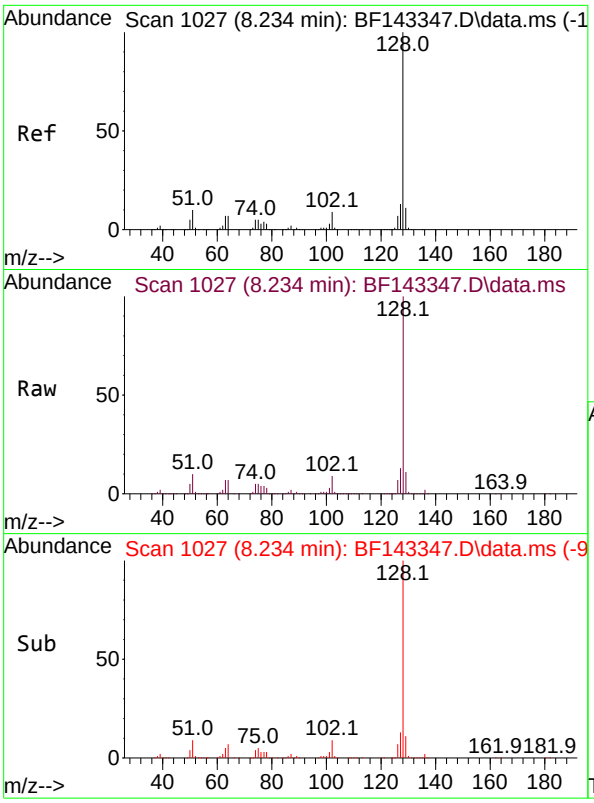


#30
1,2,4-Trichlorobenzene
Concen: 39.377 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:180 Resp: 363439

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	31.1	24.9	37.3



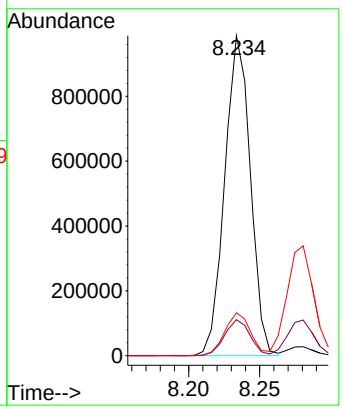


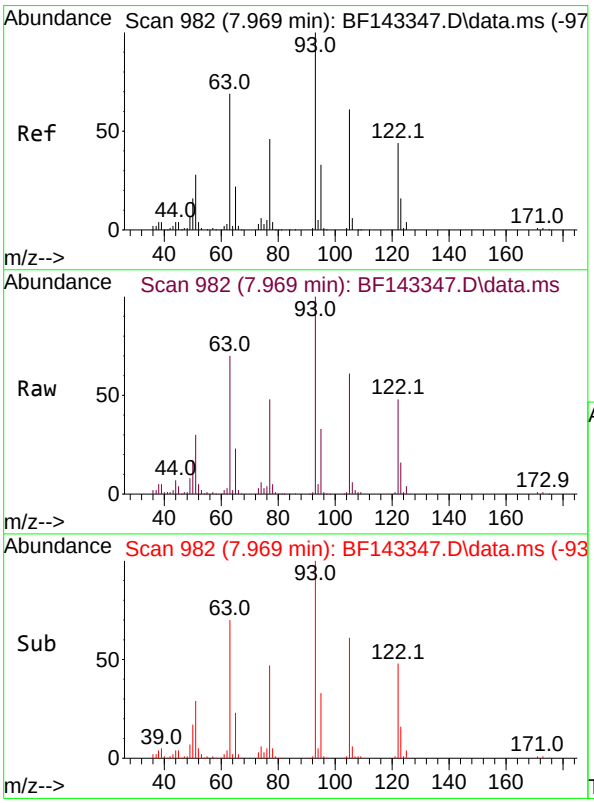
#31
Naphthalene
Concen: 39.250 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1237121

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.4	10.7	16.1

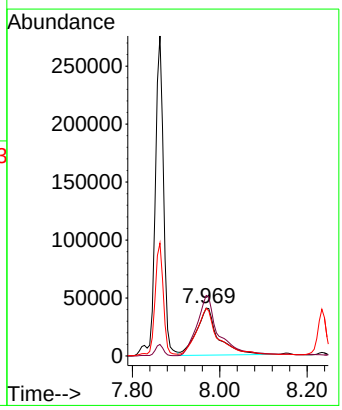


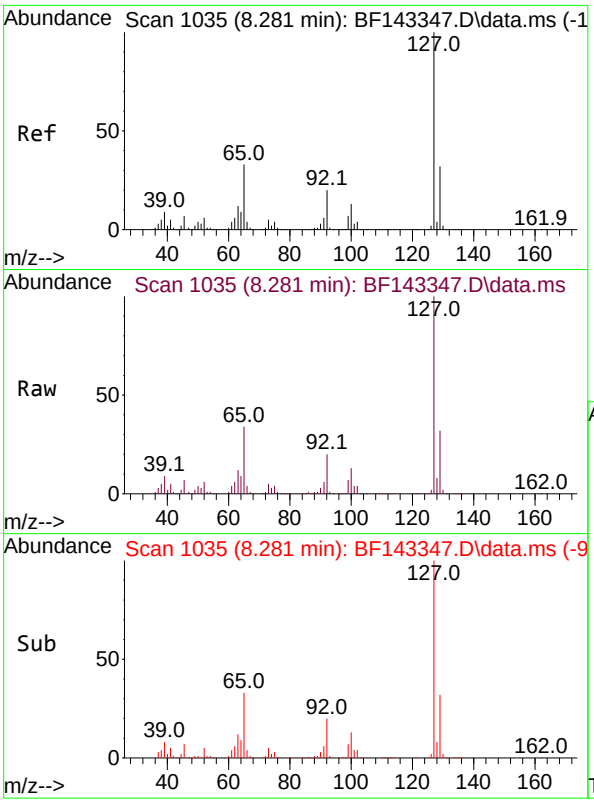


#32
Benzoic acid
Concen: 39.021 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:122 Resp: 141523

Ion	Ratio	Lower	Upper
122	100		
105	126.4	106.4	146.4
77	99.2	79.2	119.2



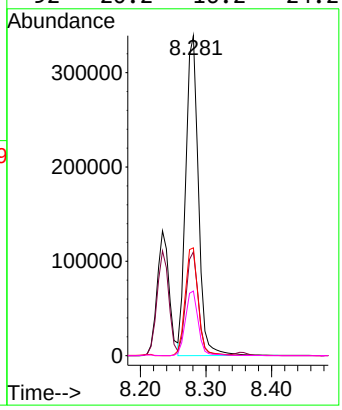


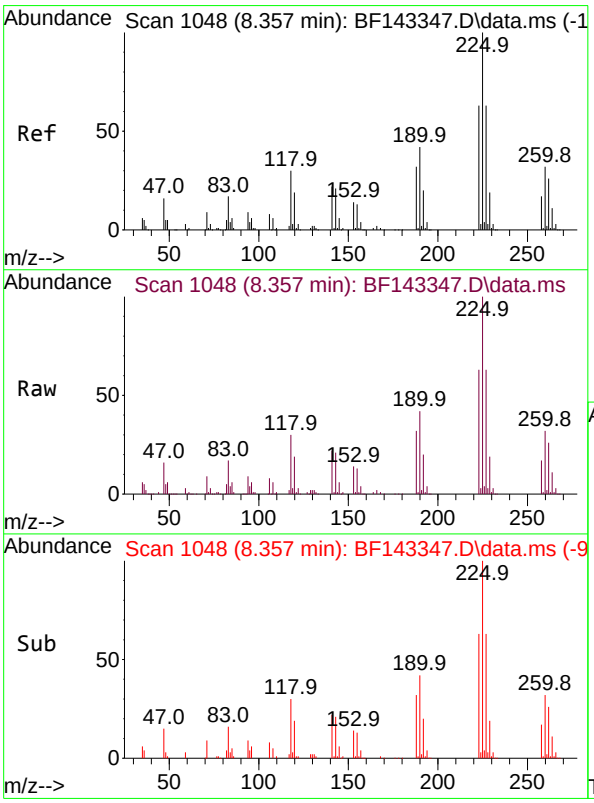
#33
4-Chloroaniline
Concen: 39.784 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 452276

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	33.7	27.0	40.4
92	20.2	16.2	24.2

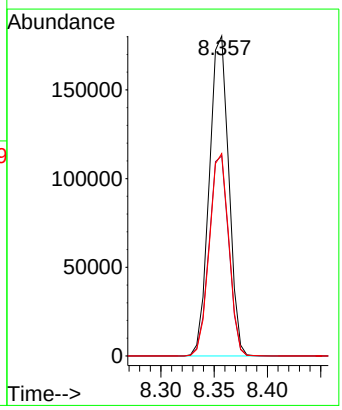


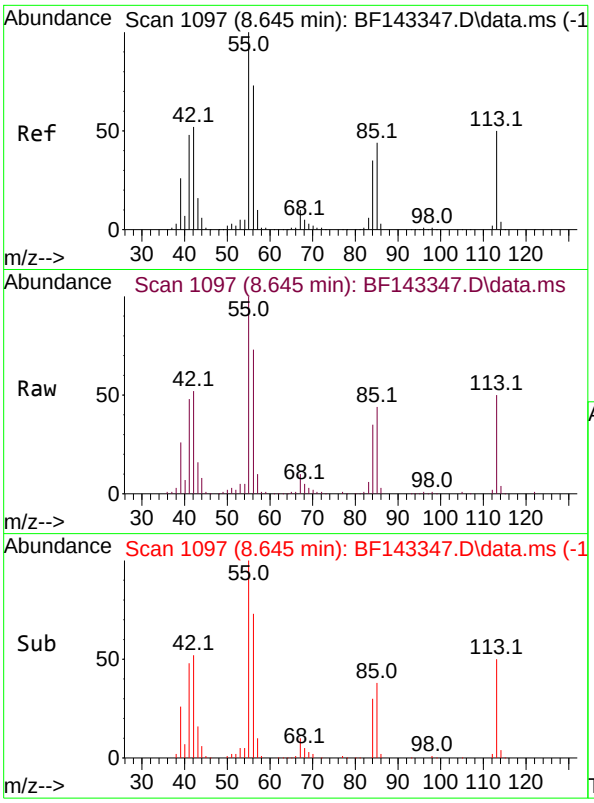


#34
Hexachlorobutadiene
Concen: 39.902 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:225 Resp: 229101

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.2	50.6	75.8



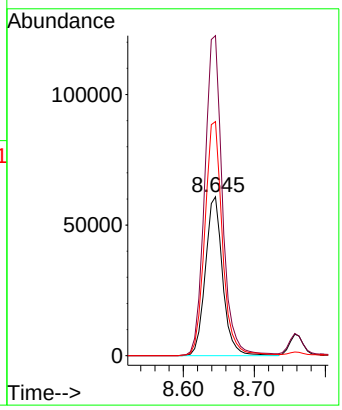


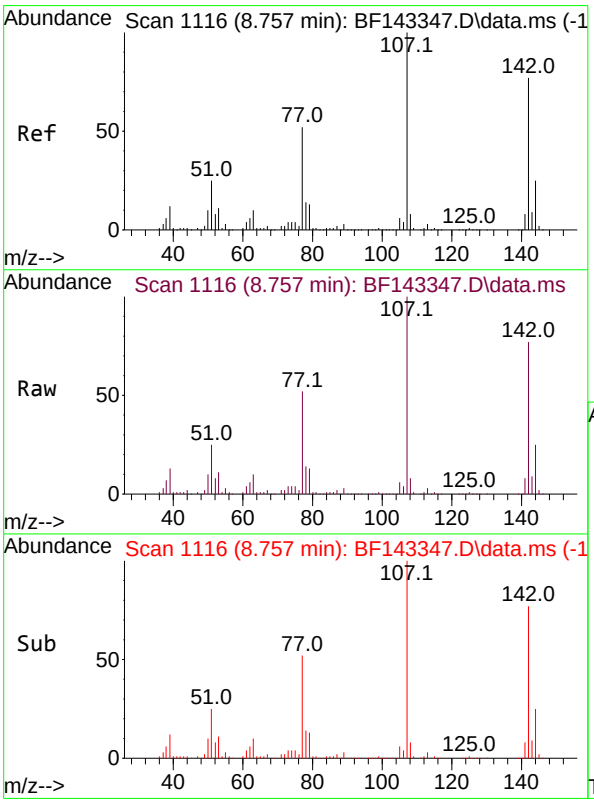
#35
Caprolactam
Concen: 41.884 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 103025

Ion	Ratio	Lower	Upper
113	100		
55	201.4	181.4	221.4
56	147.3	127.3	167.3

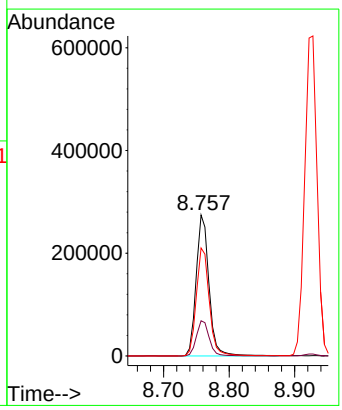


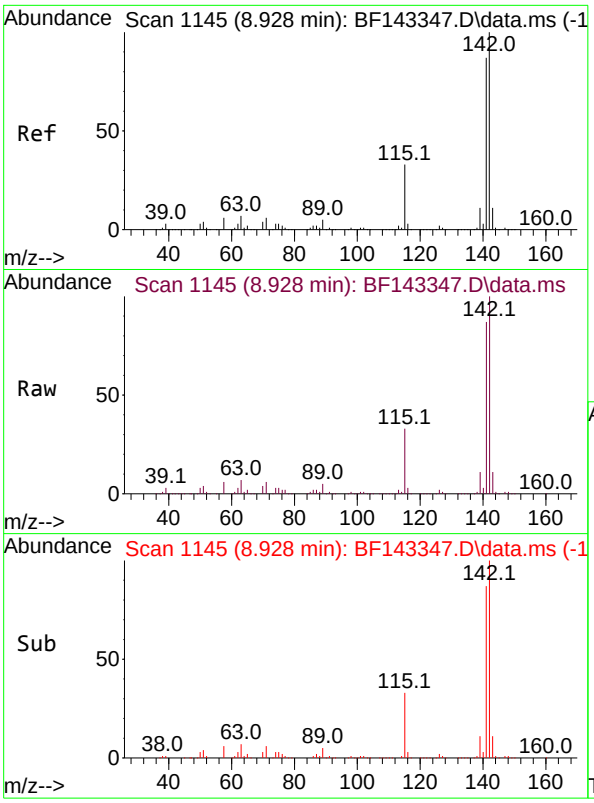


#36
4-Chloro-3-methylphenol
Concen: 40.883 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 375017

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.0	30.0
142	76.6	61.3	91.9



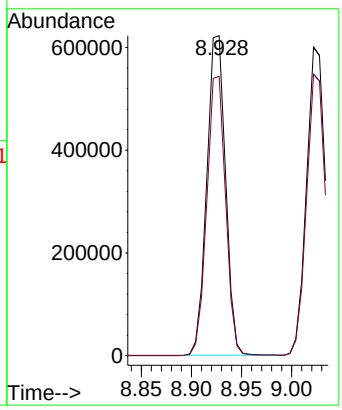


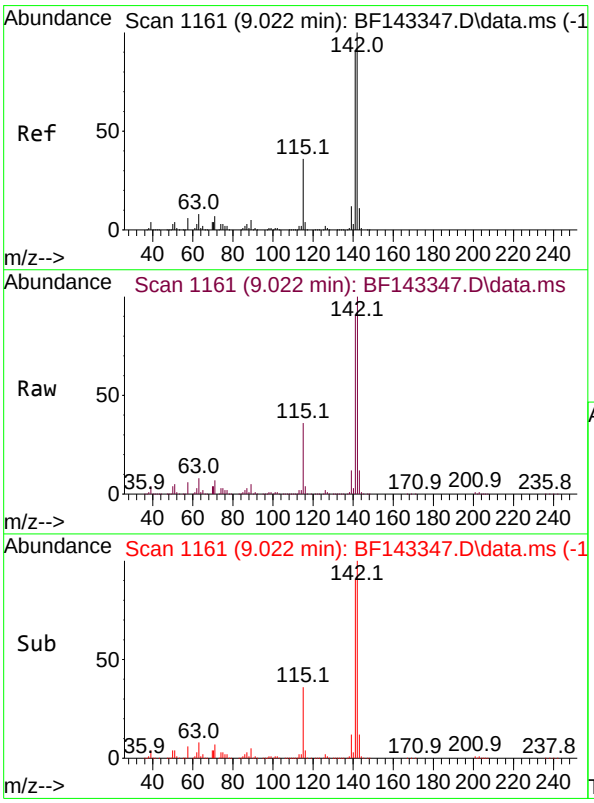
#37
2-Methylnaphthalene
Concen: 39.298 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 814304

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.8

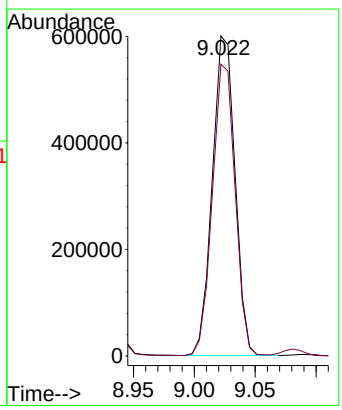


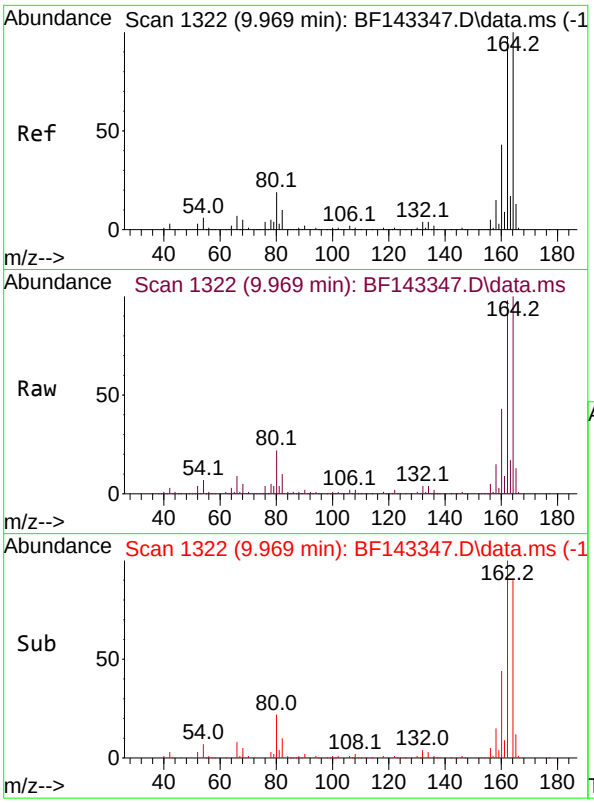


#38
1-Methylnaphthalene
Concen: 39.075 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:142 Resp: 779823

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4



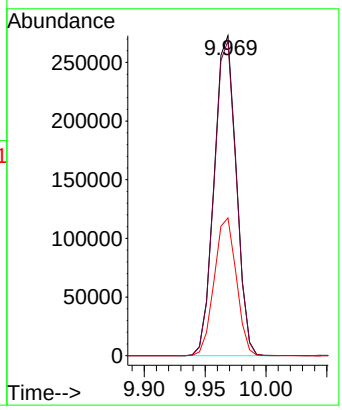


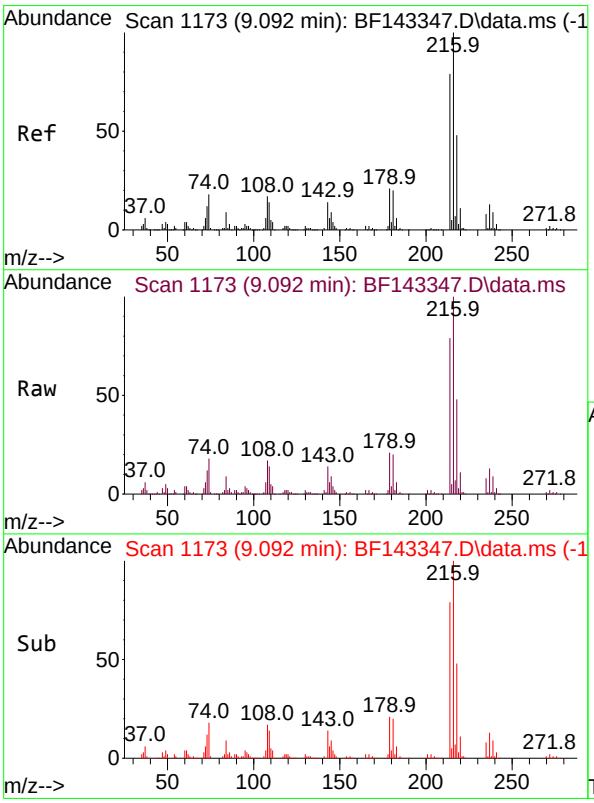
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 345532

Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.6	118.0
160	43.0	34.4	51.6

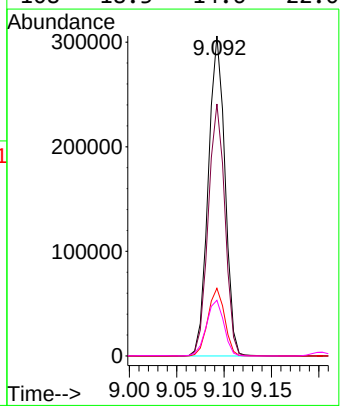


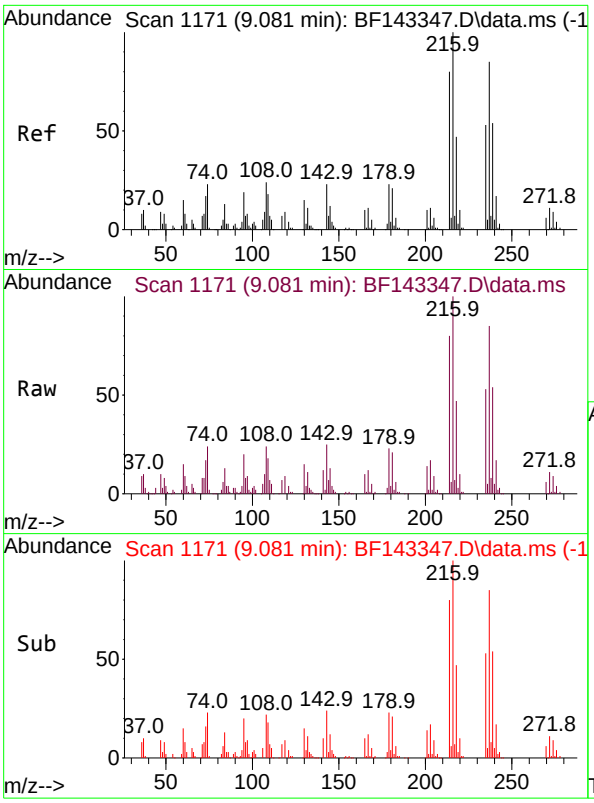


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.640 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:216 Resp: 374807

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.2	17.0	25.4
108	18.3	14.6	22.0



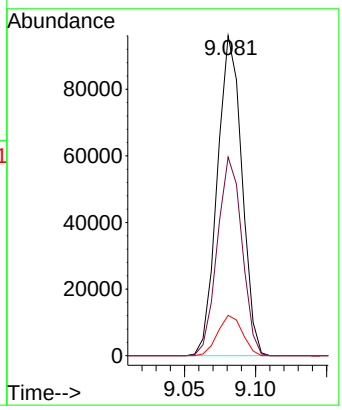


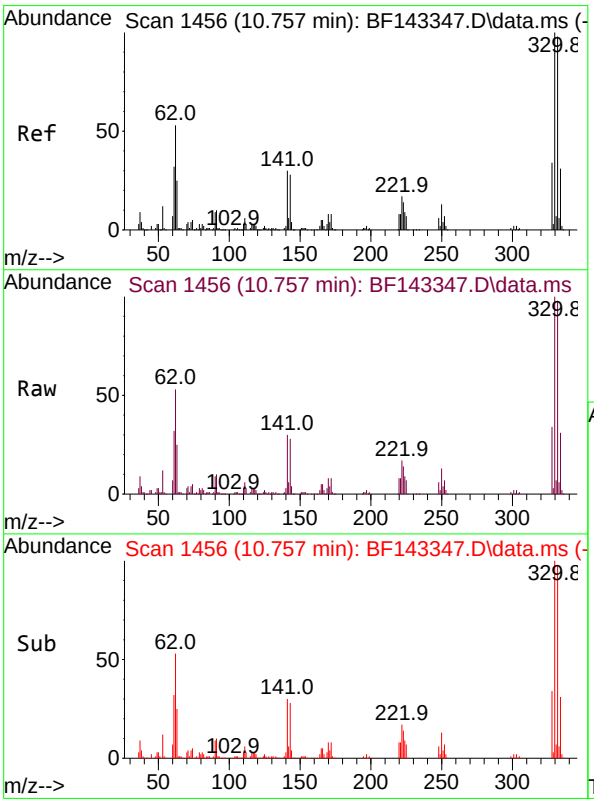
#41
Hexachlorocyclopentadiene
Concen: 38.401 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 115551

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.0	82.0
272	12.6	0.0	32.6

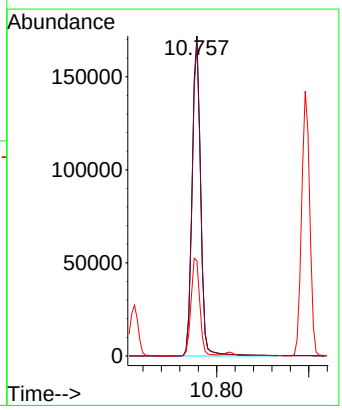


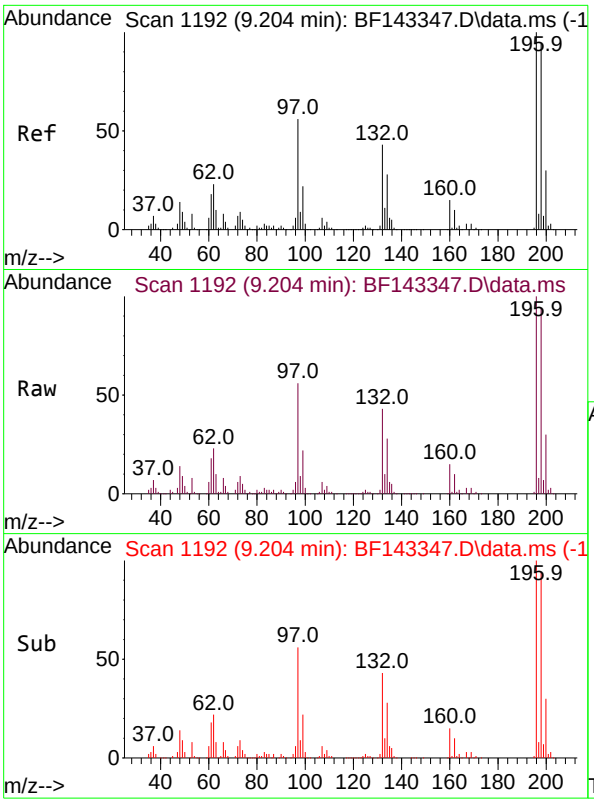


#42
2,4,6-Tribromophenol
Concen: 87.313 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:330 Resp: 220484

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	31.7	25.4	38.0



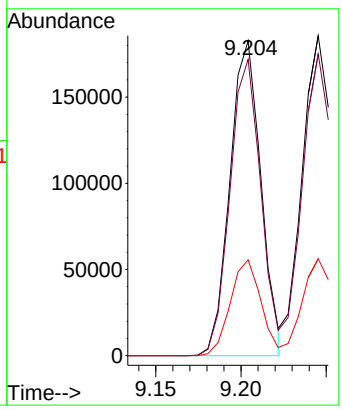


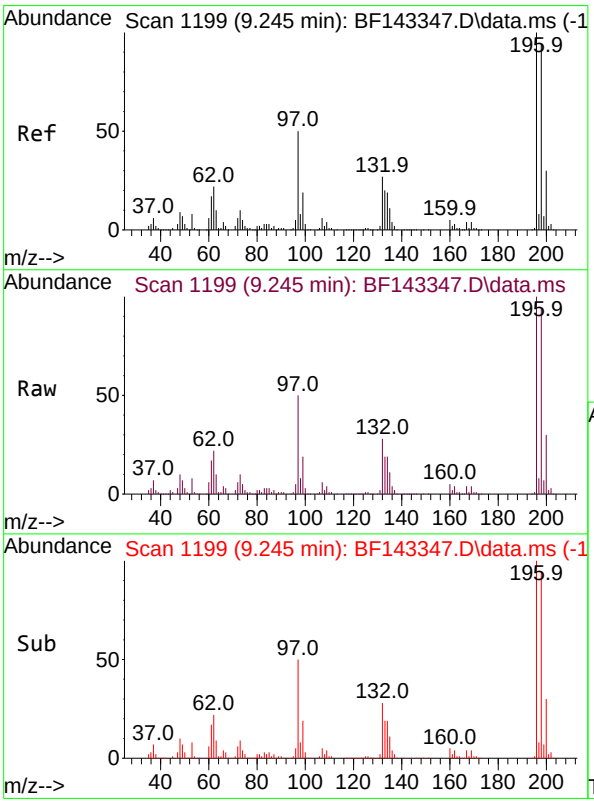
#43
2,4,6-Trichlorophenol
Concen: 43.008 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 230730

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.4	24.3	36.5

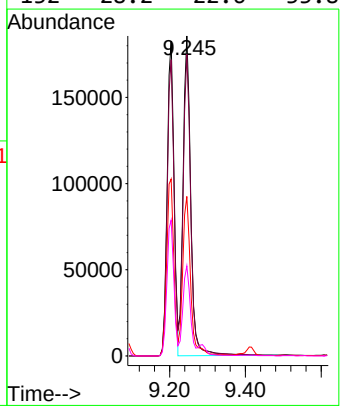


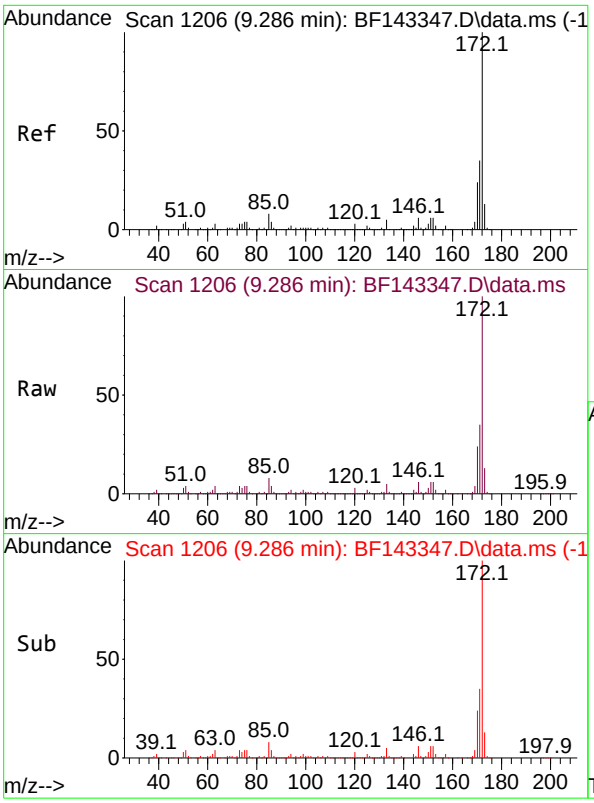


#44
2,4,5-Trichlorophenol
Concen: 43.029 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:196 Resp: 260681

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.2
97	49.9	39.9	59.9
132	28.2	22.6	33.8



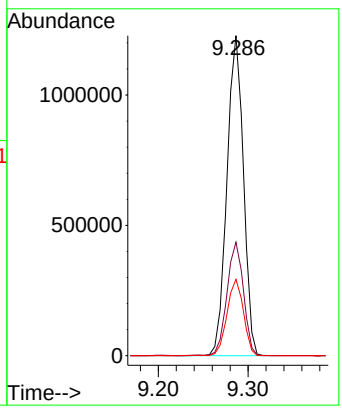


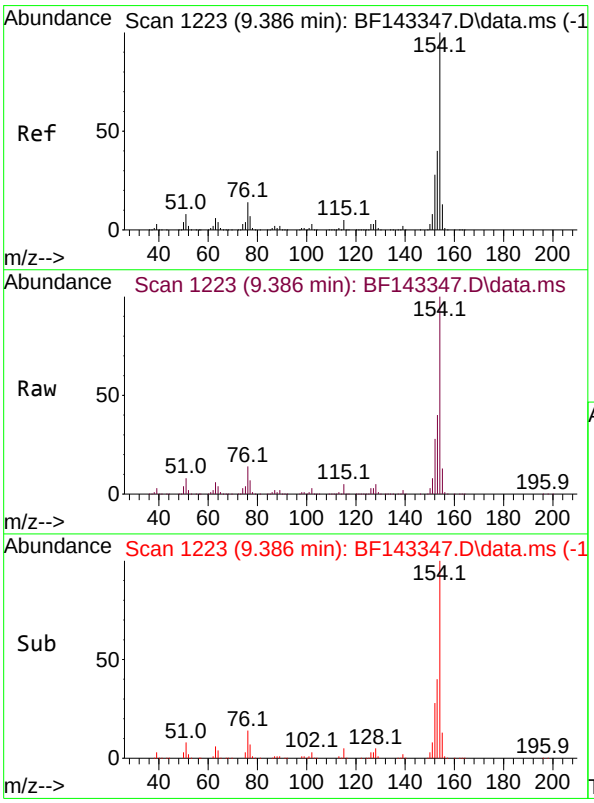
#45
2-Fluorobiphenyl
Concen: 76.811 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1565121

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.9	19.1	28.7

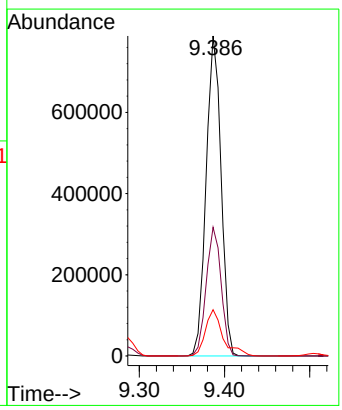


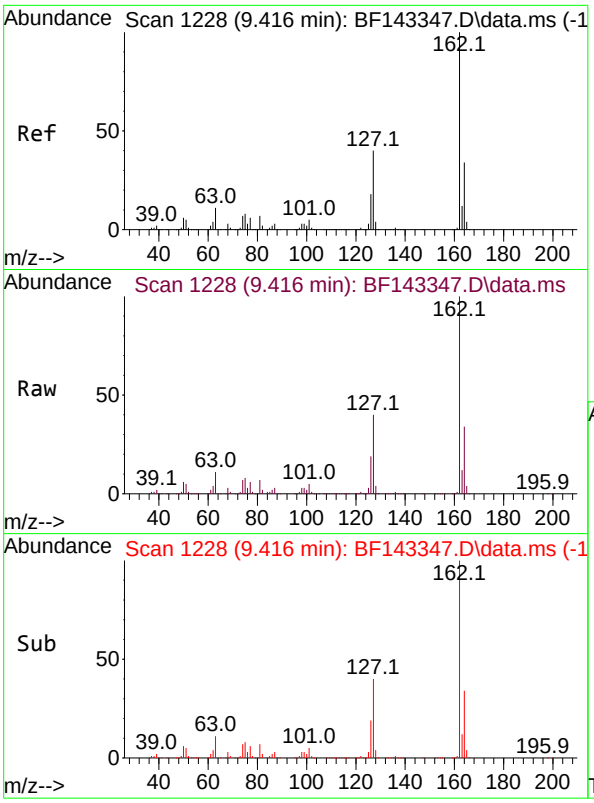


#46
1,1'-Biphenyl
Concen: 39.285 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 959774

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	14.4	0.0	34.4



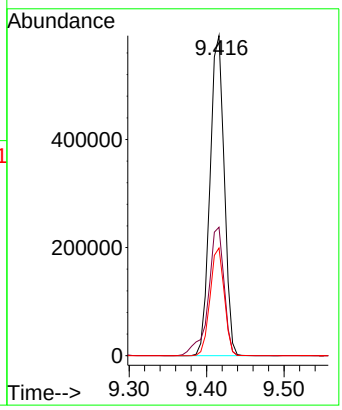


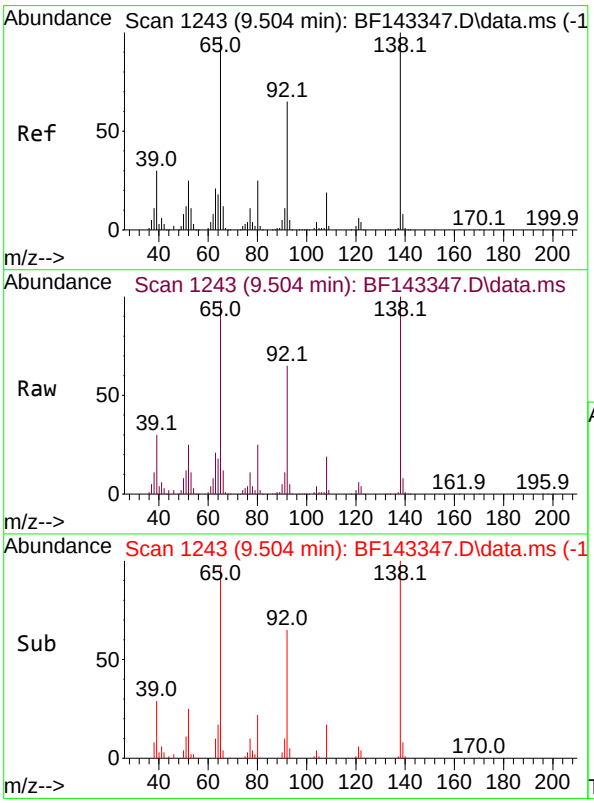
#47
2-Chloronaphthalene
Concen: 39.322 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 756597

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.1	48.1
164	33.7	27.0	40.4

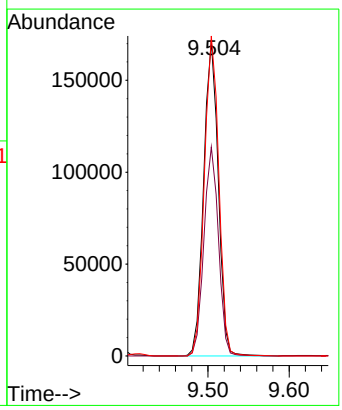


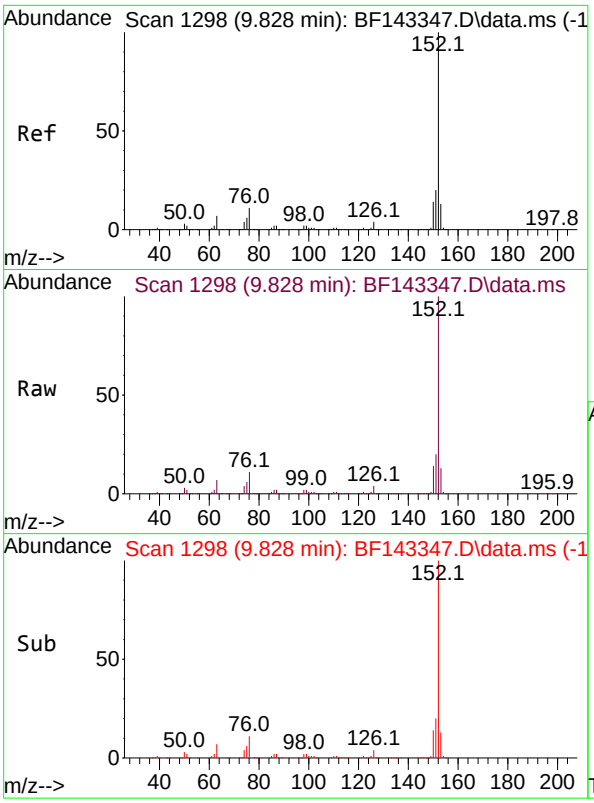


#48
2-Nitroaniline
Concen: 39.058 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 65 Resp: 213717

Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.1	79.7
138	101.7	81.4	122.0



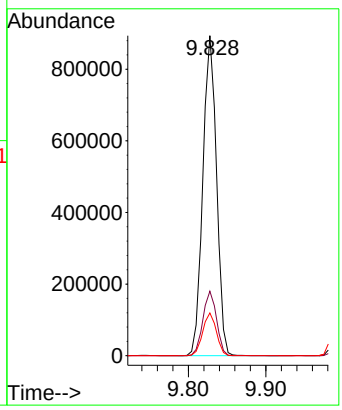


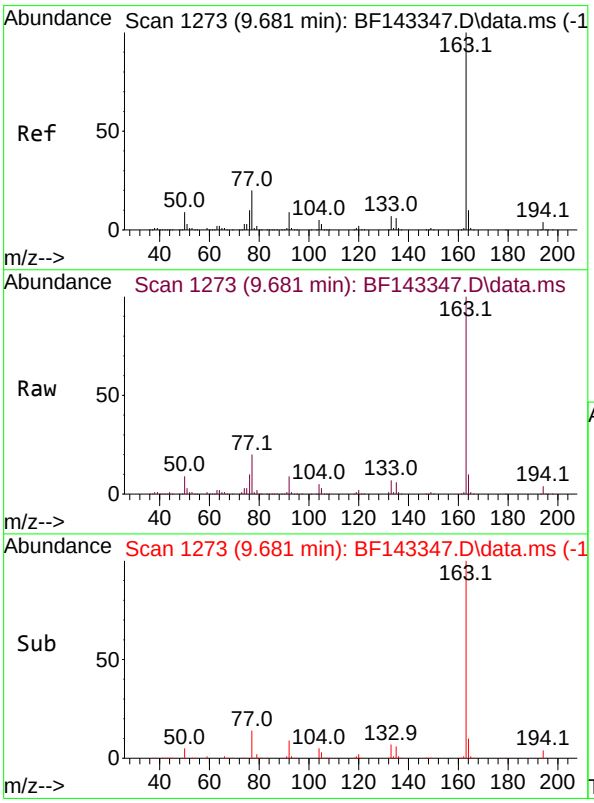
#49
Acenaphthylene
Concen: 39.490 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1097291

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0

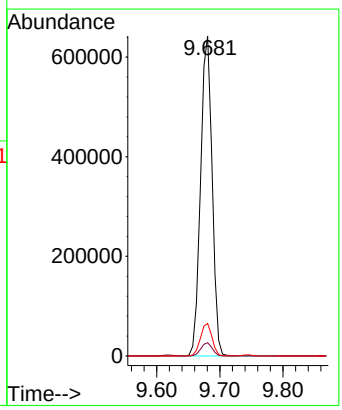


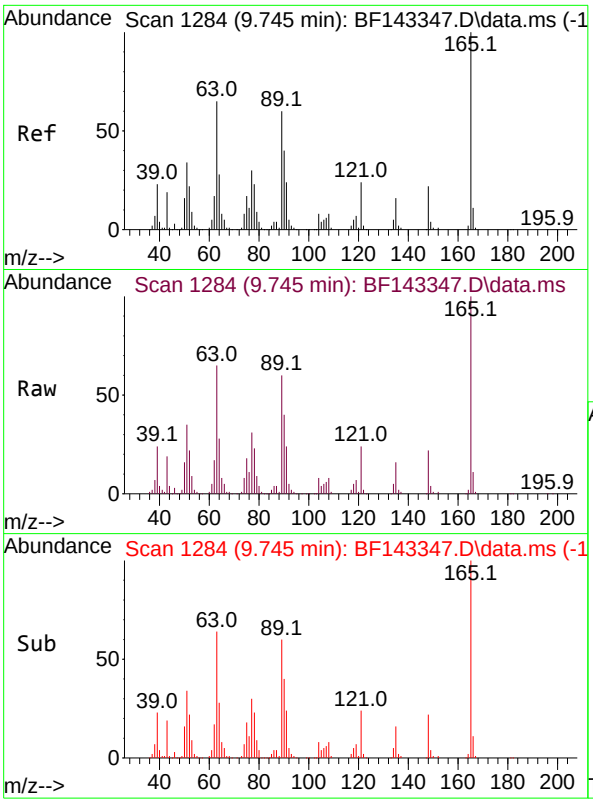


#50
Dimethylphthalate
Concen: 40.398 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:163 Resp: 815627

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.2



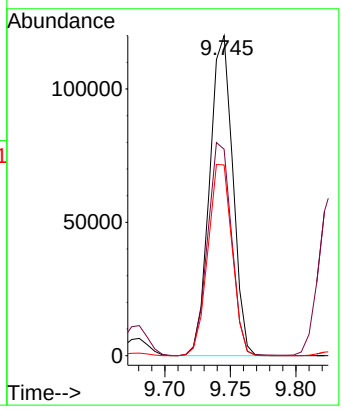


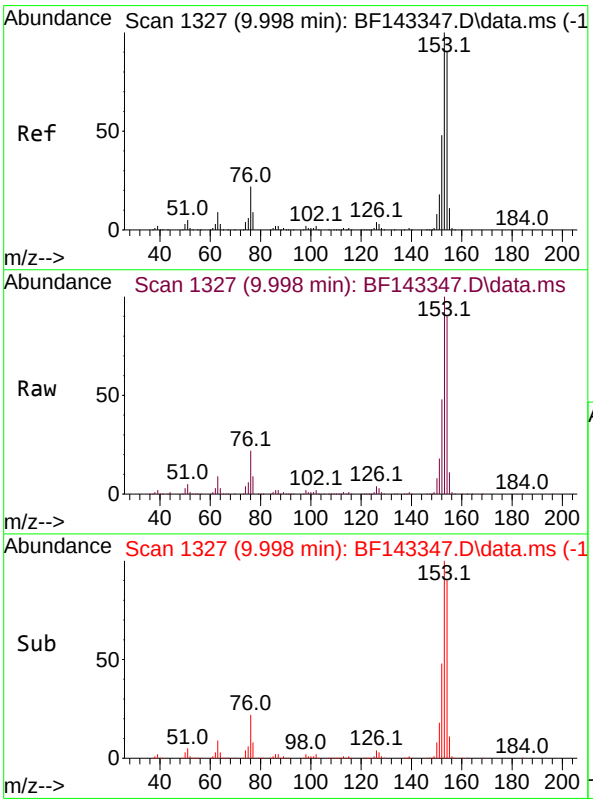
#51
2,6-Dinitrotoluene
Concen: 39.128 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 147260

Ion	Ratio	Lower	Upper
165	100		
63	64.5	51.6	77.4
89	59.6	47.7	71.5

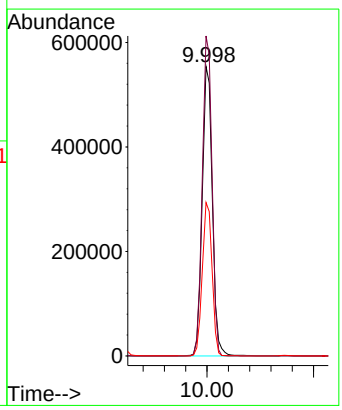


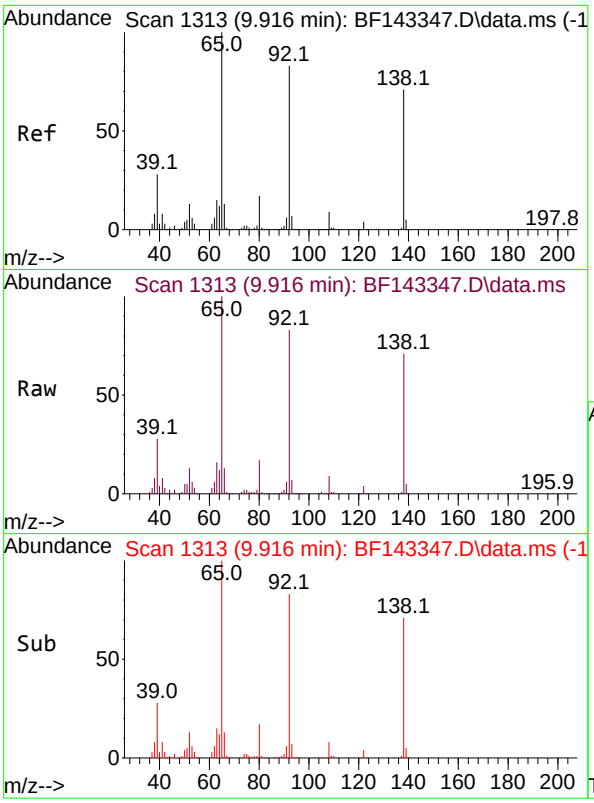


#52
Acenaphthene
Concen: 39.446 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 728691

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.5	132.7
152	53.0	42.4	63.6



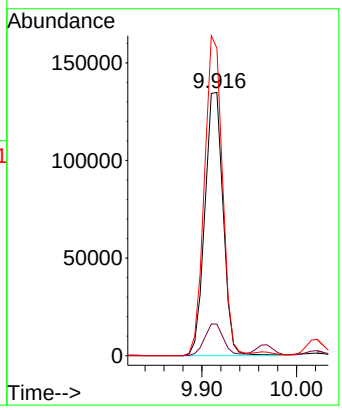


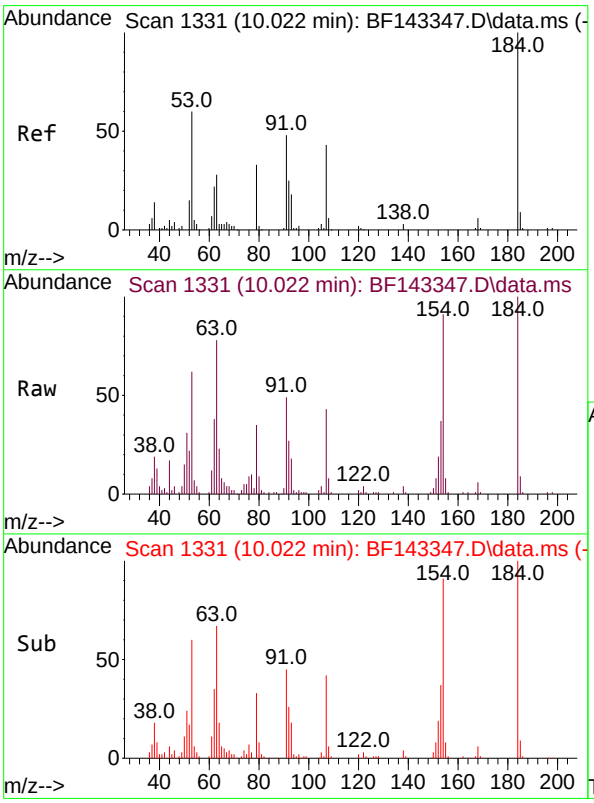
#53
3-Nitroaniline
Concen: 43.642 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 180447

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.6	14.4
92	116.8	93.4	140.2

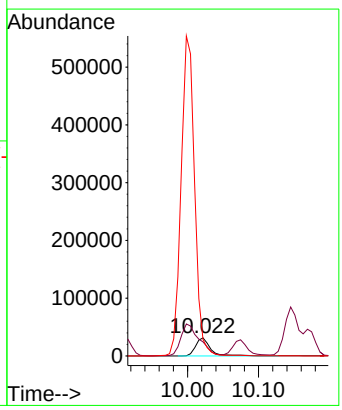


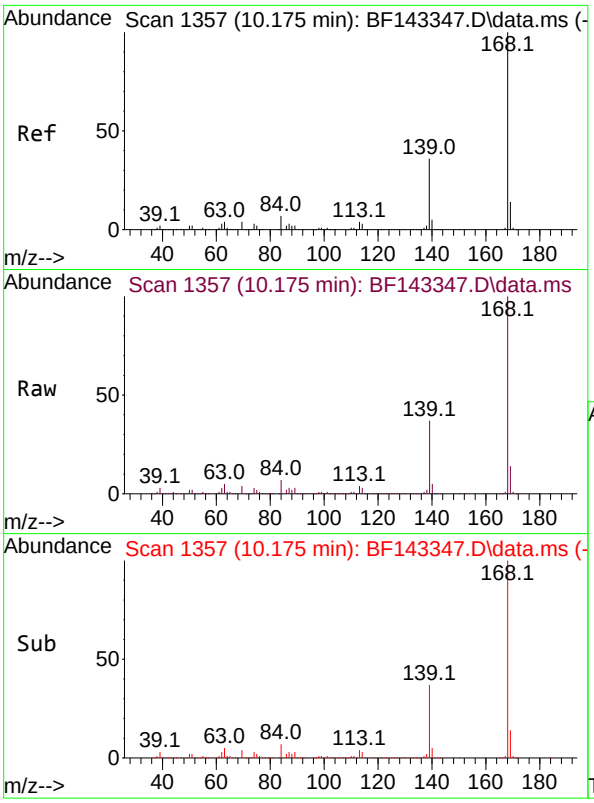


#54
2,4-Dinitrophenol
Concen: 39.434 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:184 Resp: 45578

Ion	Ratio	Lower	Upper
184	100		
63	78.1	62.5	93.7
154	91.2	73.0	109.4



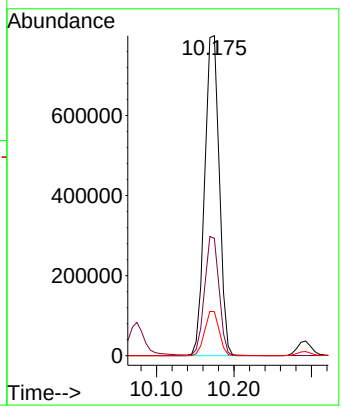


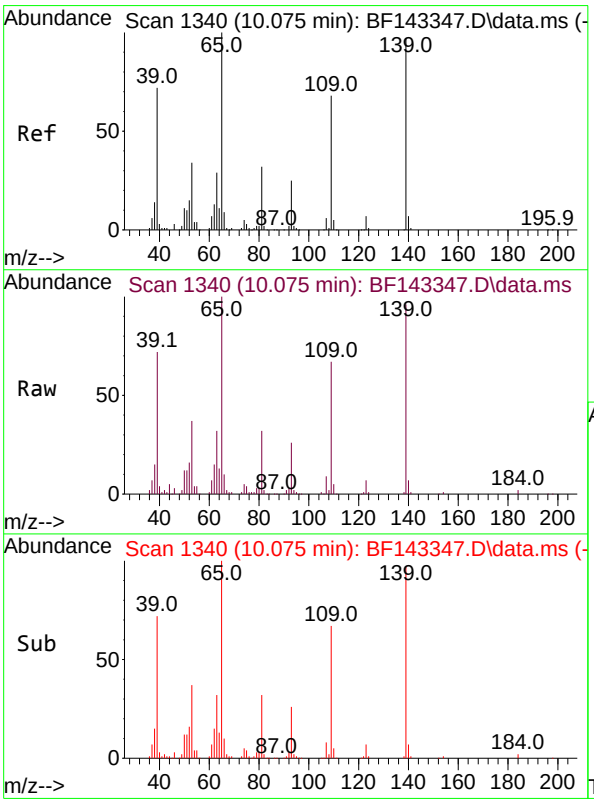
#55
Dibenzofuran
Concen: 39.267 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1043986

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.8	11.0	16.6

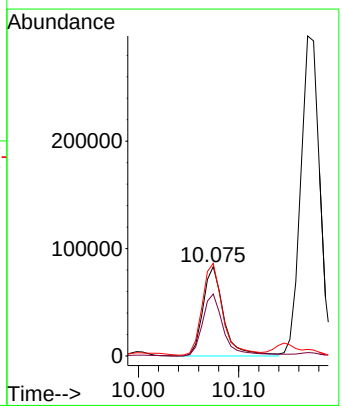


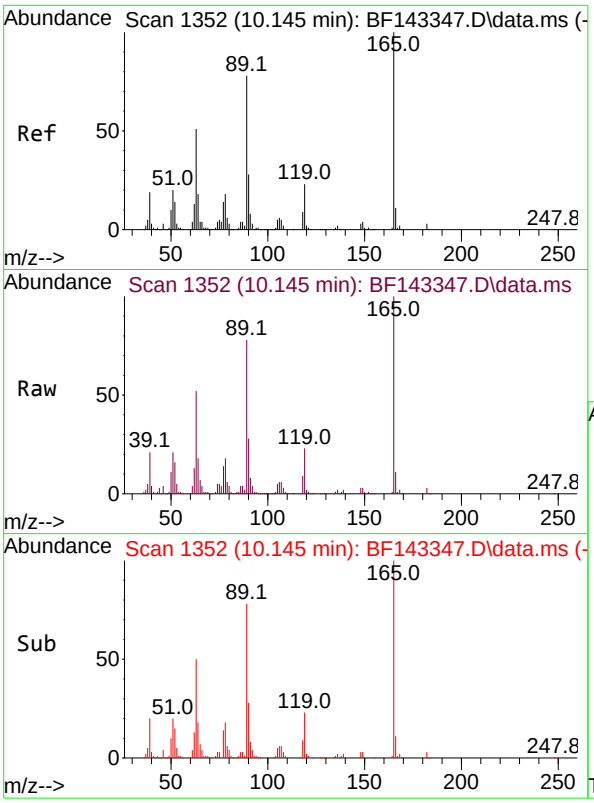


#56
4-Nitrophenol
Concen: 39.132 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 119387

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	103.7	83.7	123.7



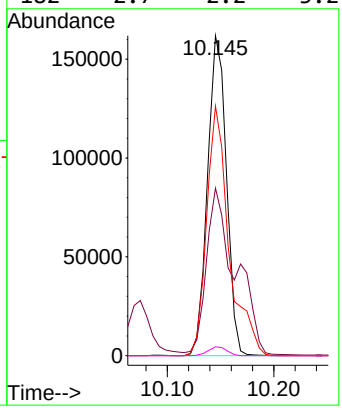


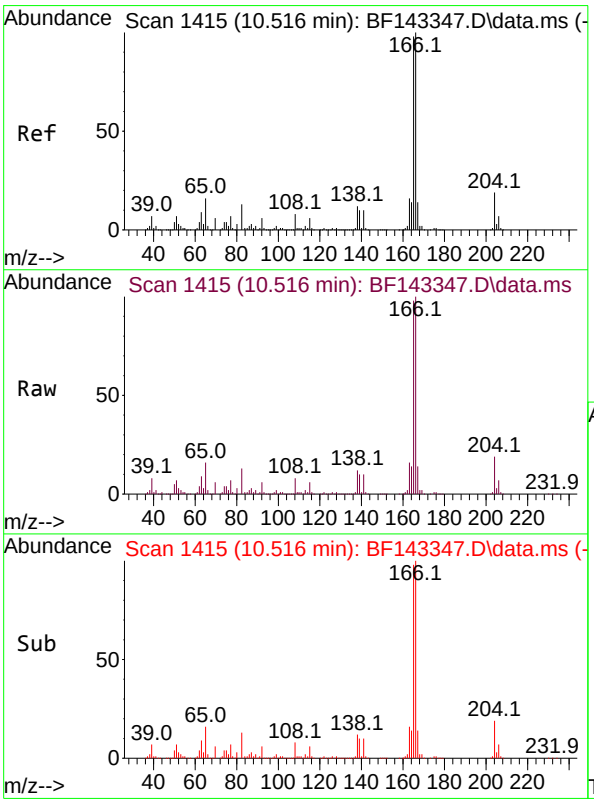
#57
2,4-Dinitrotoluene
Concen: 39.946 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 199781

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	78.0	62.4	93.6
182	2.7	2.2	3.2

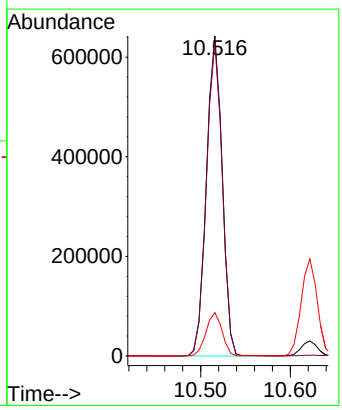


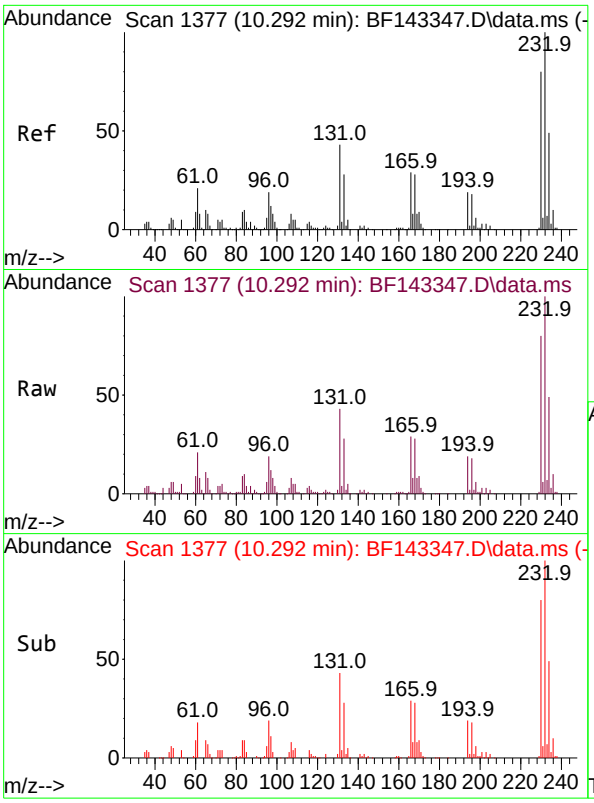


#58
Fluorene
Concen: 38.860 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:166 Resp: 789149

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.6	10.9	16.3



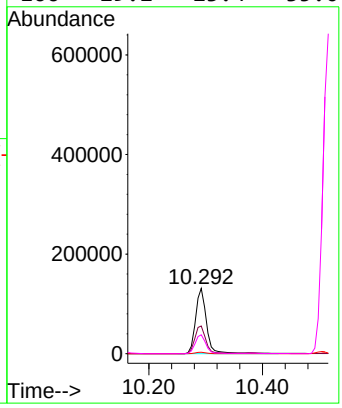


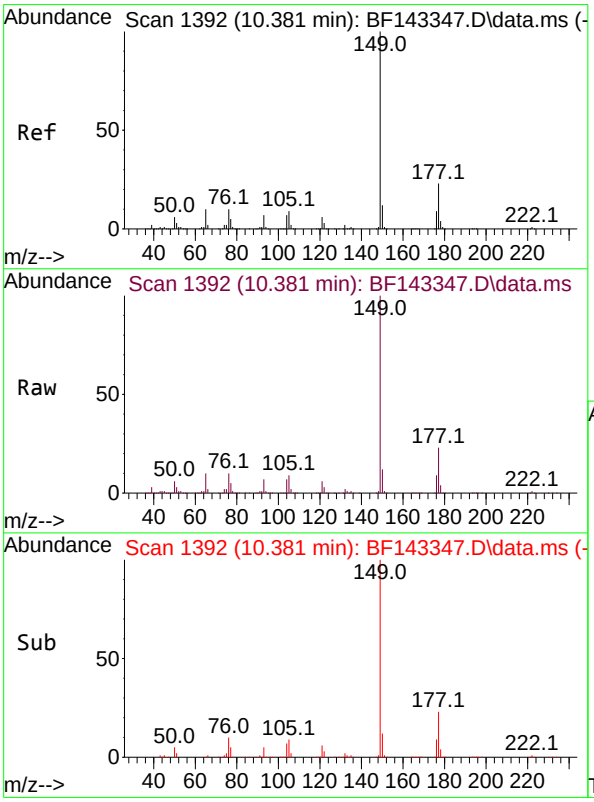
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.137 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 176166

Ion	Ratio	Lower	Upper
232	100		
131	43.2	34.6	51.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

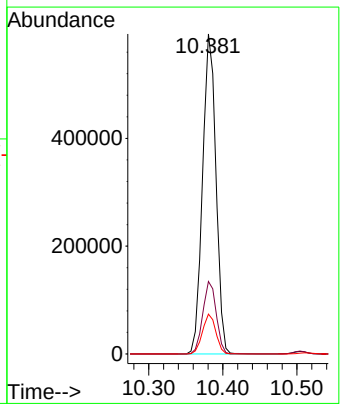


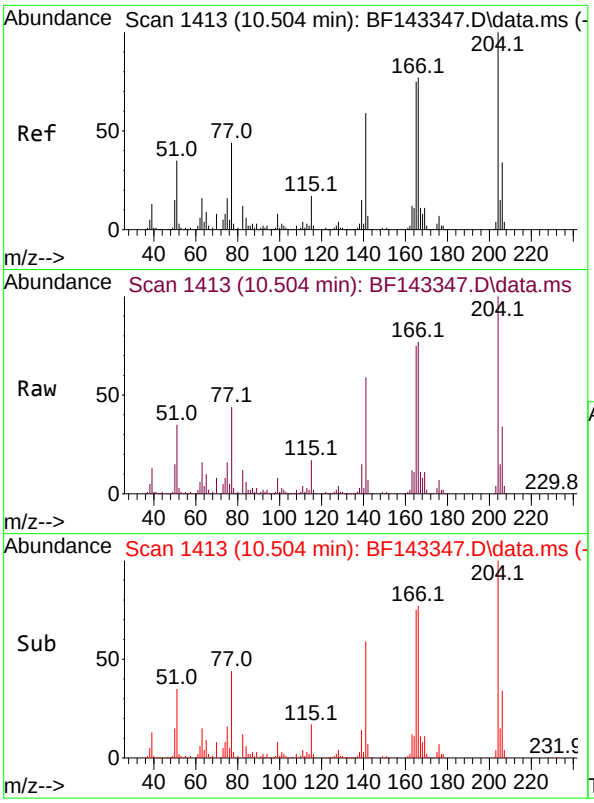


#60
Diethylphthalate
Concen: 41.295 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 746813

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.4	9.9	14.9



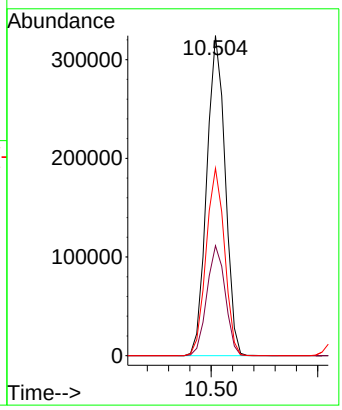


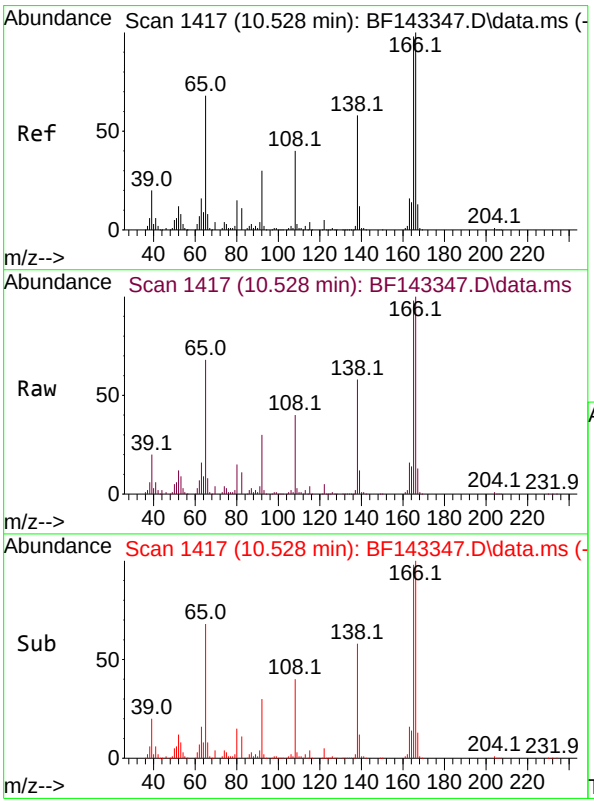
#61
4-Chlorophenyl-phenylether
Concen: 39.656 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 389122

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	58.6	46.9	70.3

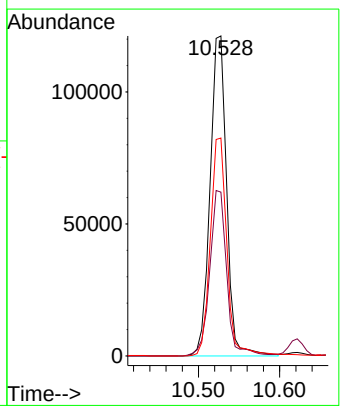


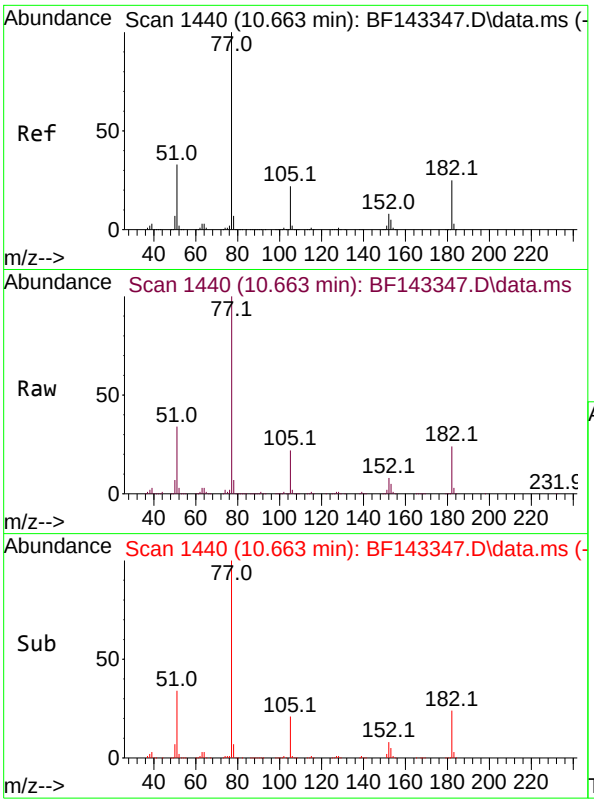


#62
4-Nitroaniline
Concen: 42.946 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:138 Resp: 171799

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.2	71.2
108	68.1	48.1	88.1



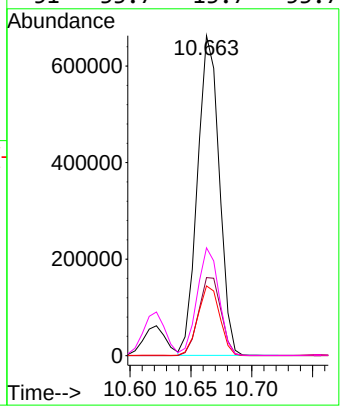


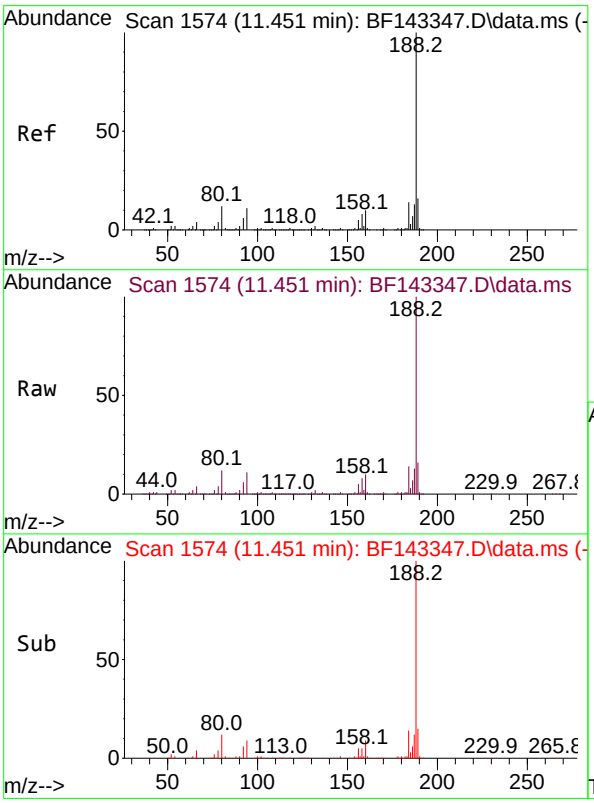
#63
Azobenzene
Concen: 39.906 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 824319

Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.4	44.4
105	21.8	1.8	41.8
51	33.7	13.7	53.7

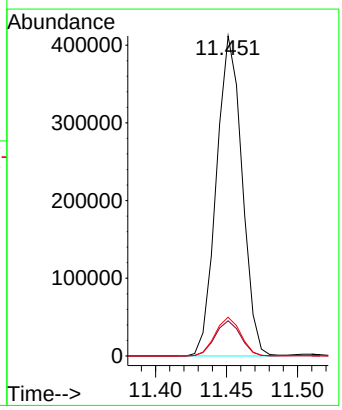


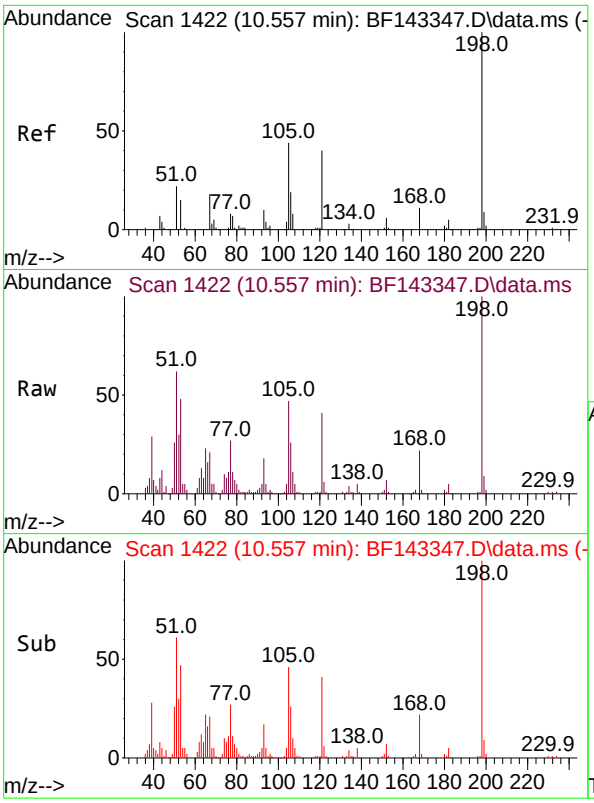


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:188 Resp: 517467

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.1	9.7	14.5



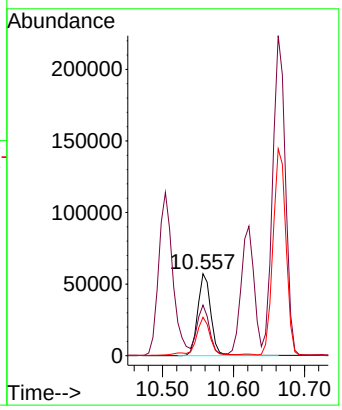


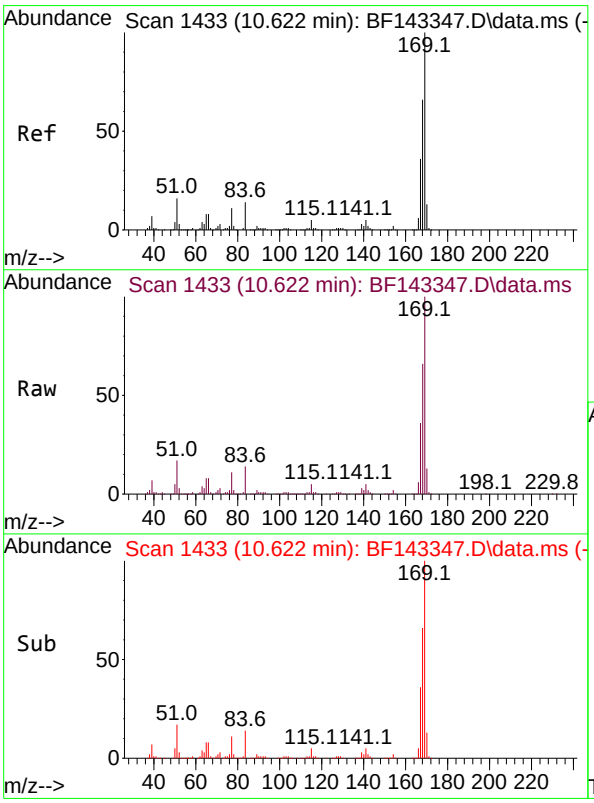
#65
4,6-Dinitro-2-methylphenol
Concen: 37.049 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 73478

Ion	Ratio	Lower	Upper
198	100		
51	61.7	41.7	81.7
105	46.8	26.8	66.8

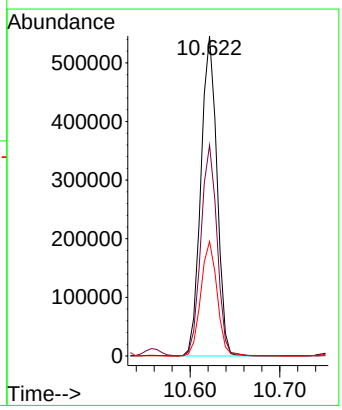


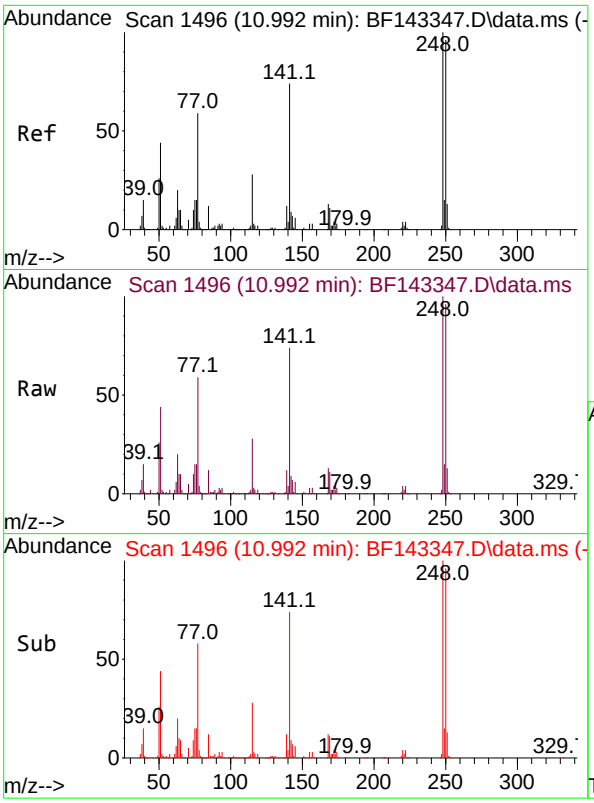


#66
n-Nitrosodiphenylamine
Concen: 39.800 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:169 Resp: 678152

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.7	28.6	42.8



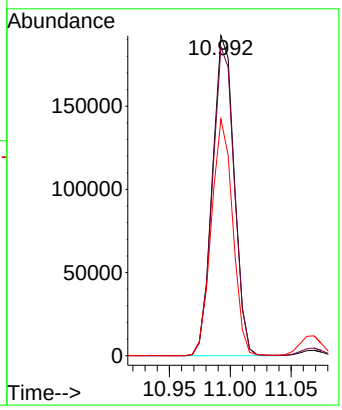


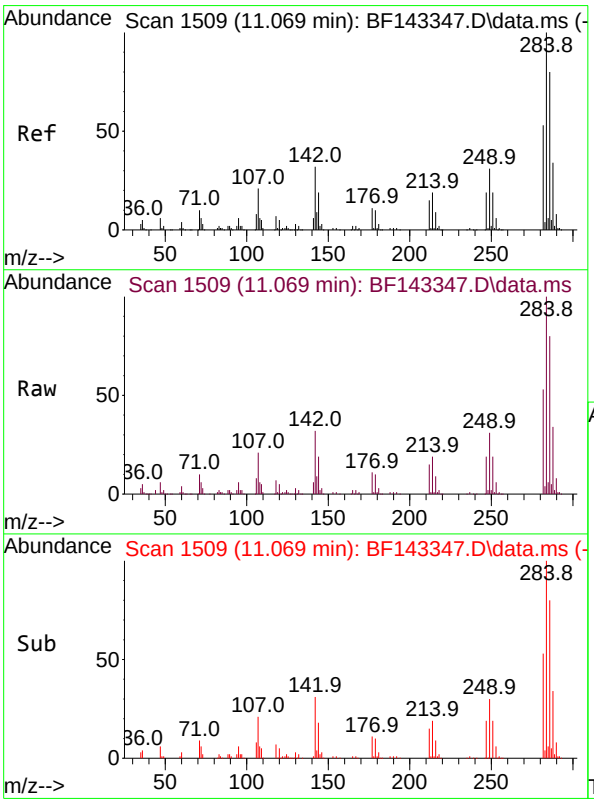
#67
4-Bromophenyl-phenylether
Concen: 40.461 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 239456

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	73.9	59.1	88.7

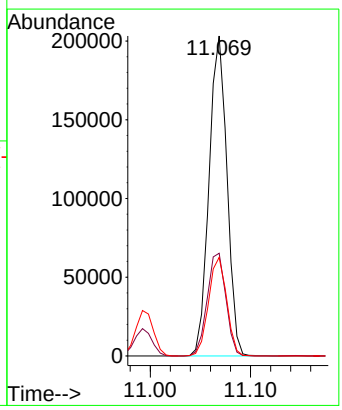


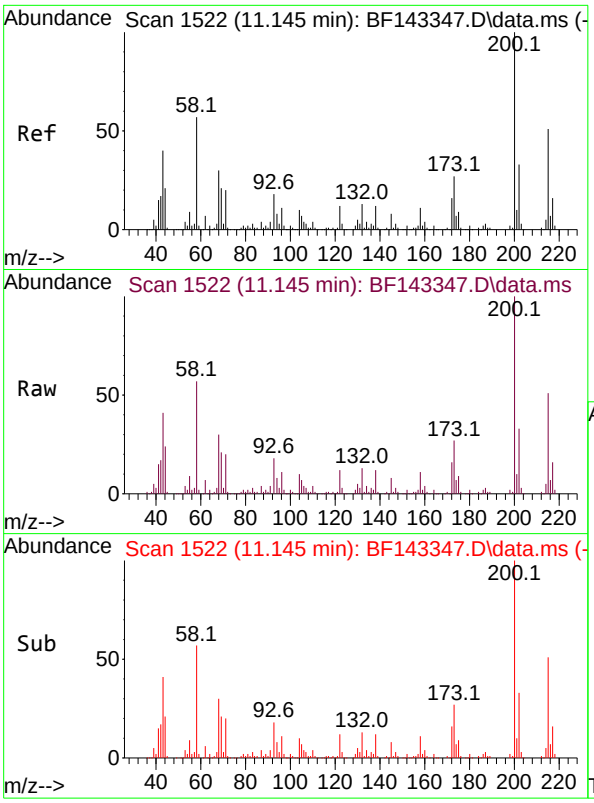


#68
Hexachlorobenzene
Concen: 39.589 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:284 Resp: 252547

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.7	38.5
249	30.8	24.6	37.0



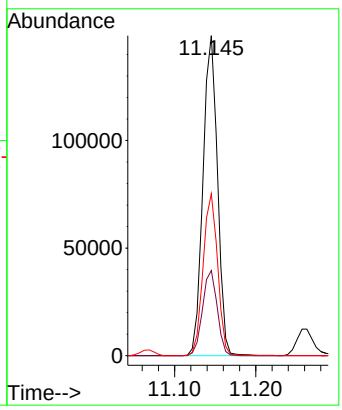


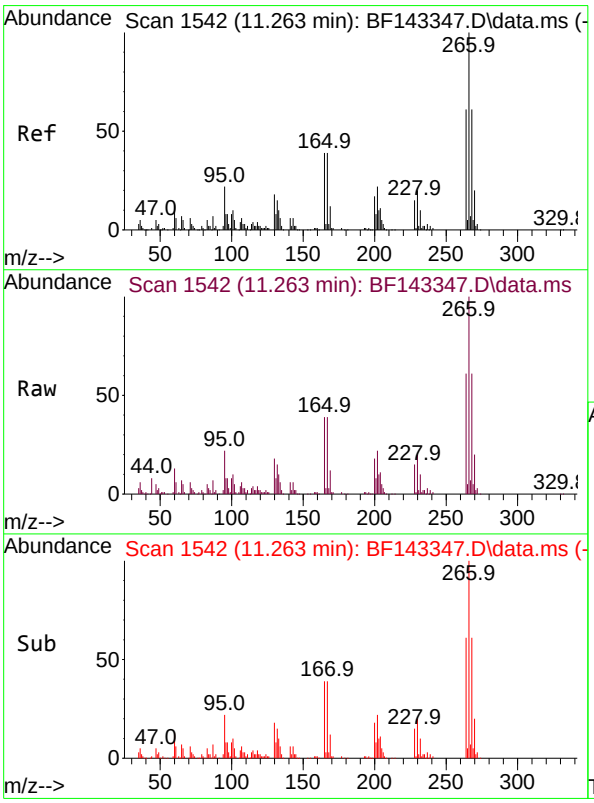
#69
Atrazine
Concen: 41.534 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 184584

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	50.6	30.6	70.6

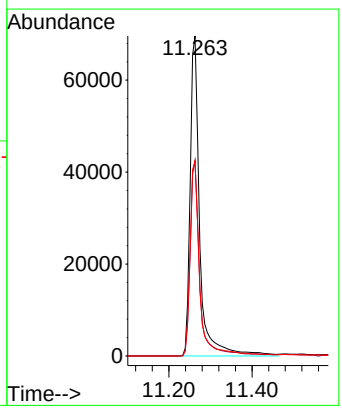


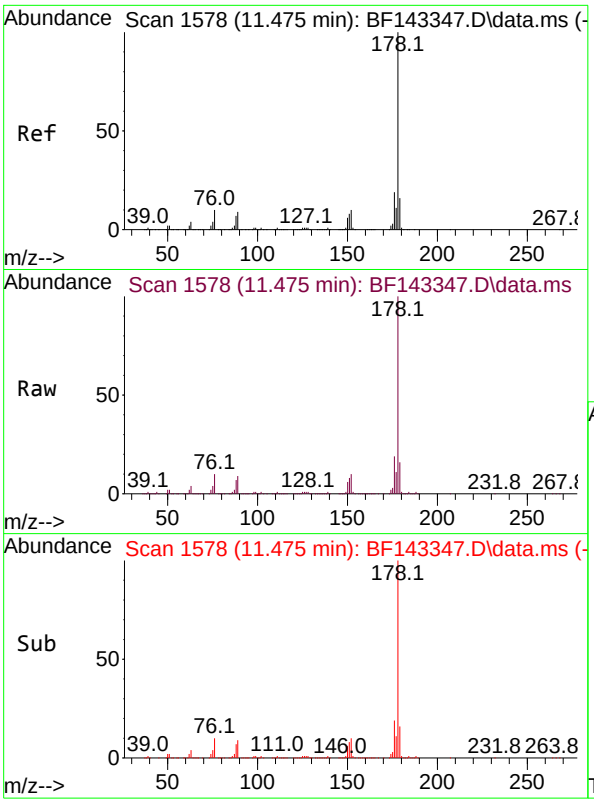


#70
Pentachlorophenol
Concen: 39.119 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:266 Resp: 111946

Ion	Ratio	Lower	Upper
266	100		
268	61.0	48.8	73.2
264	61.0	48.8	73.2



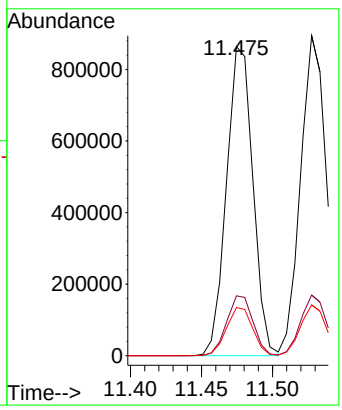


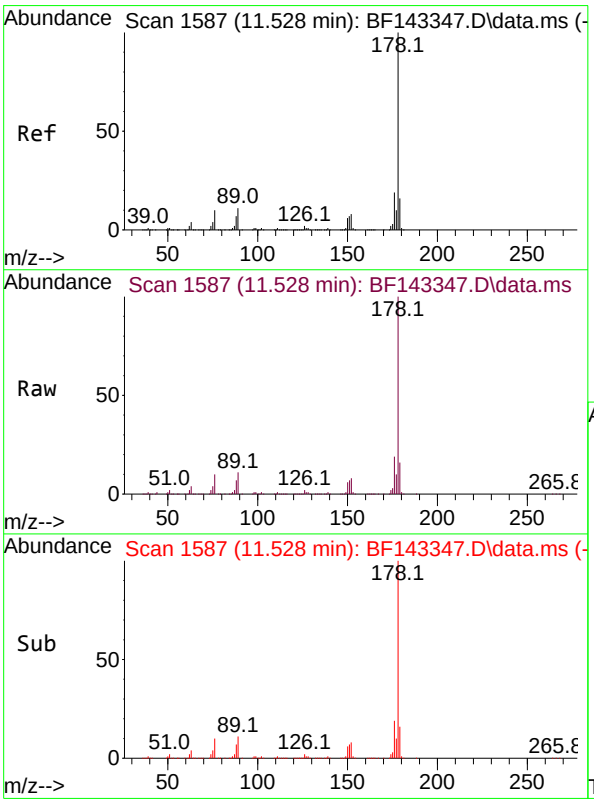
#71
Phenanthrene
Concen: 39.627 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1118795

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

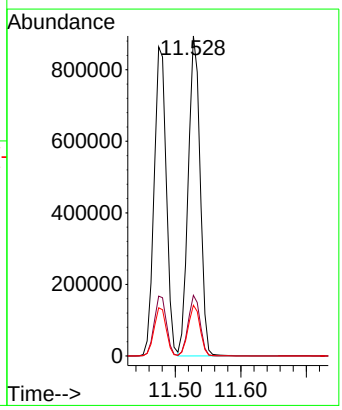


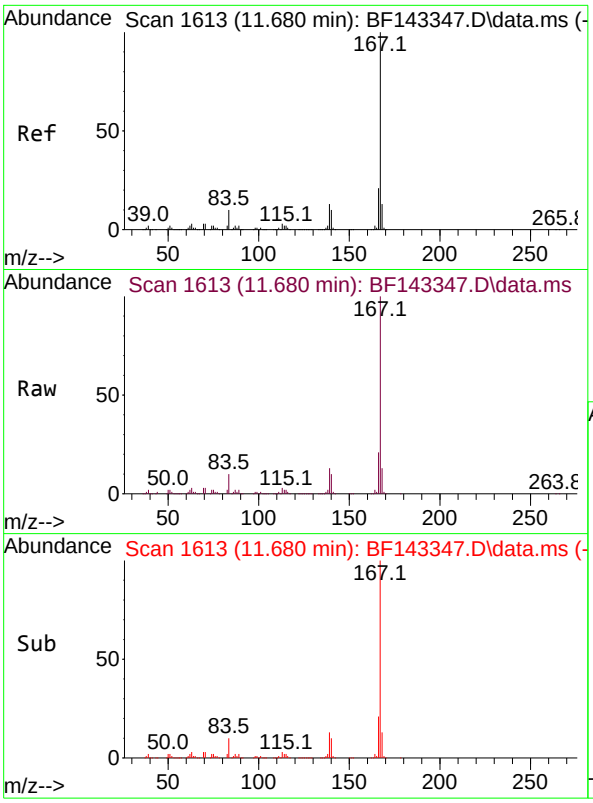


#72
Anthracene
Concen: 39.327 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:178 Resp: 1126030

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.9	12.7	19.1



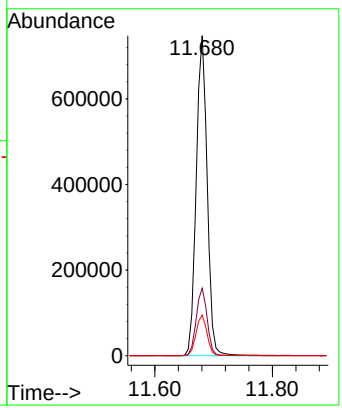


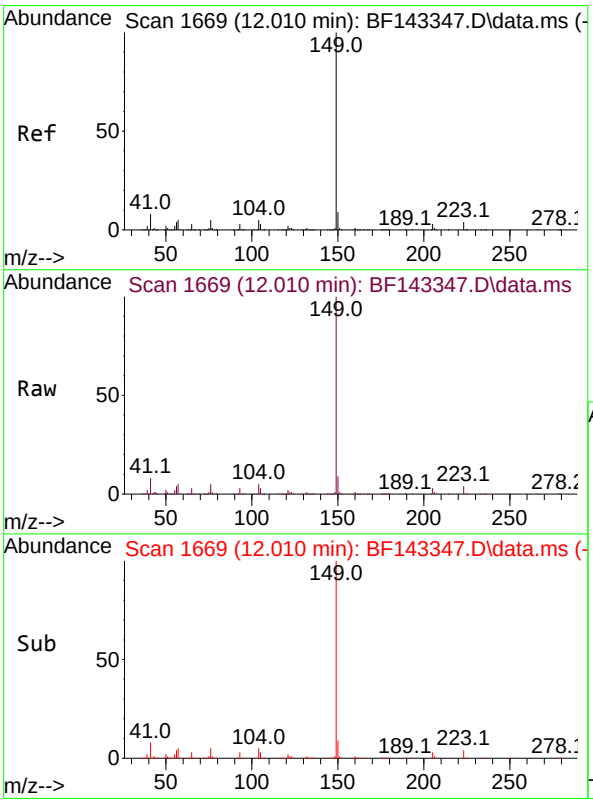
#73
Carbazole
Concen: 39.637 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 966534

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	12.7	10.2	15.2

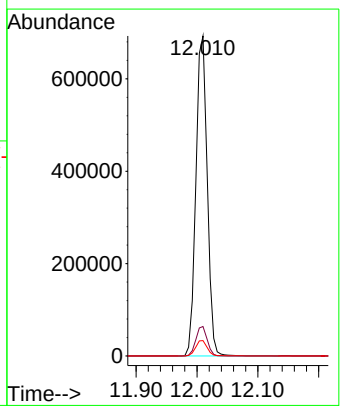


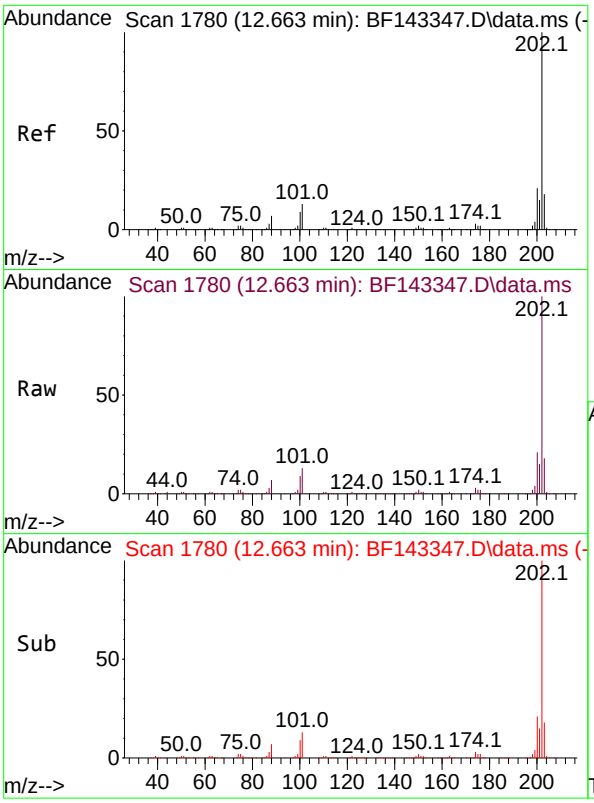


#74
Di-n-butylphthalate
Concen: 43.346 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 894432

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.8



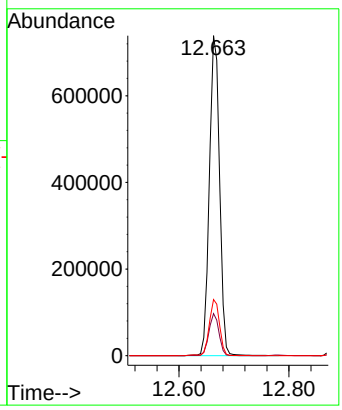


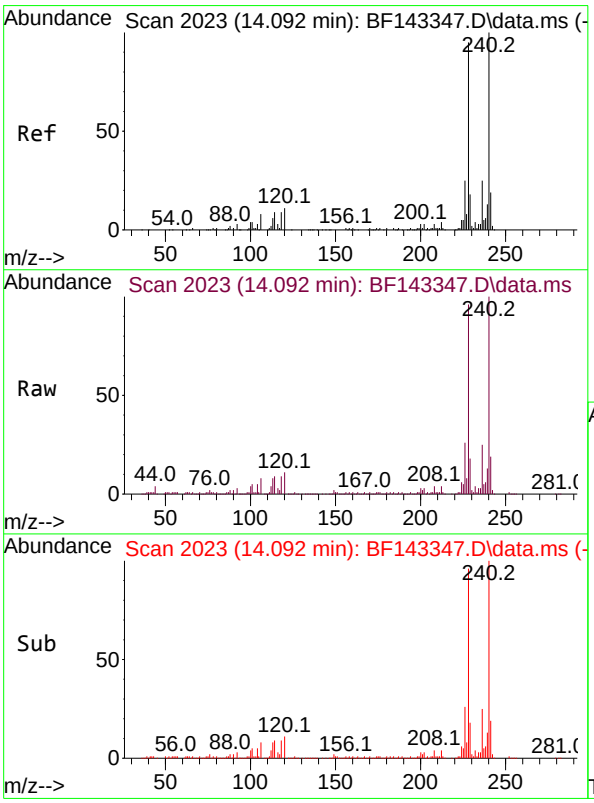
#75
Fluoranthene
Concen: 38.386 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 949305

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.6	0.0	37.6

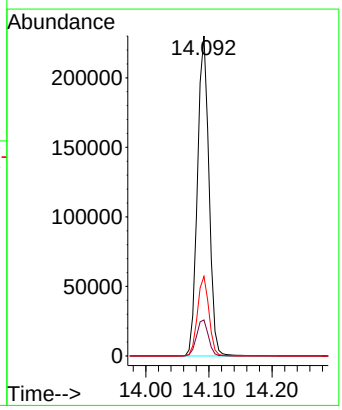


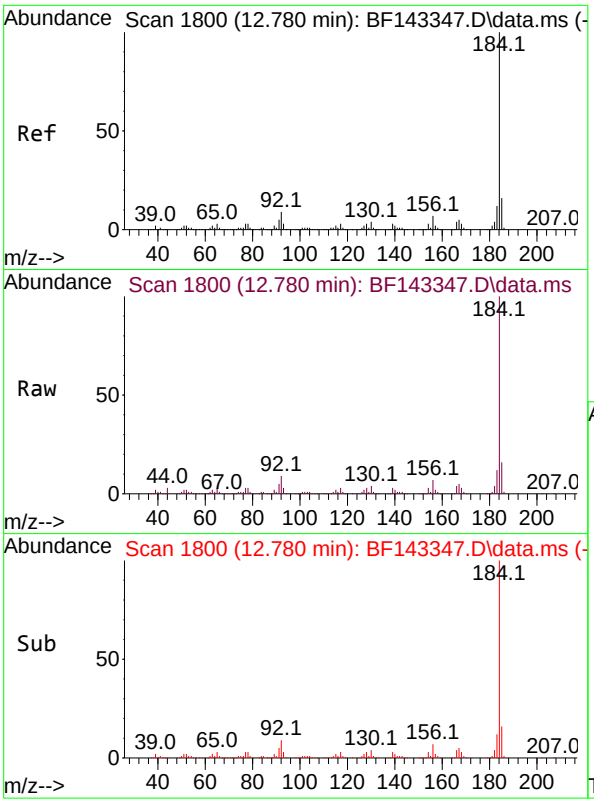


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:240 Resp: 290137

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	24.9	19.9	29.9



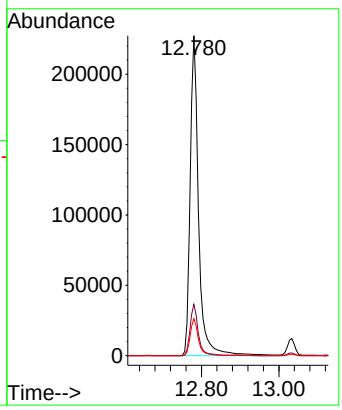


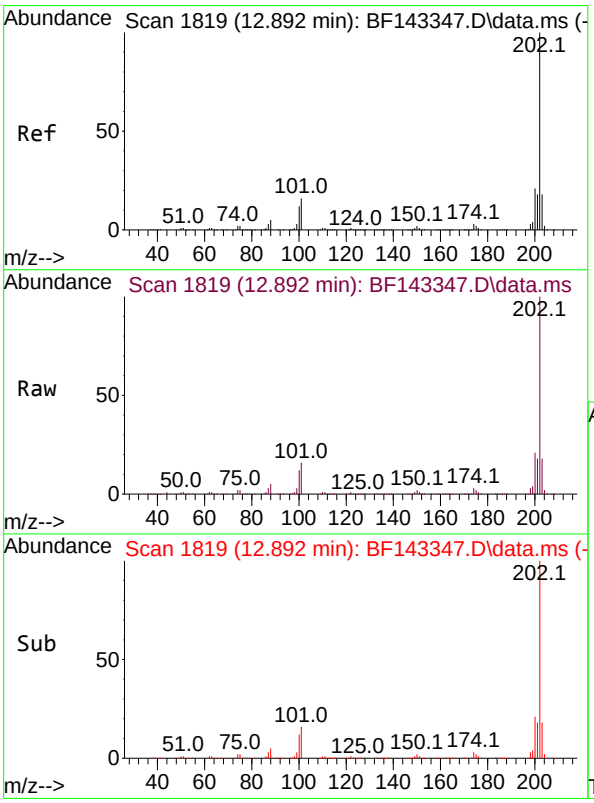
#77
Benzidine
Concen: 43.261 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 343155

Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.8	19.2
183	11.6	9.3	13.9

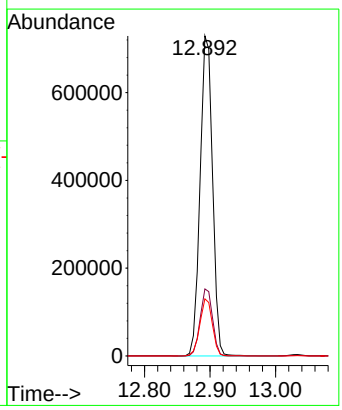


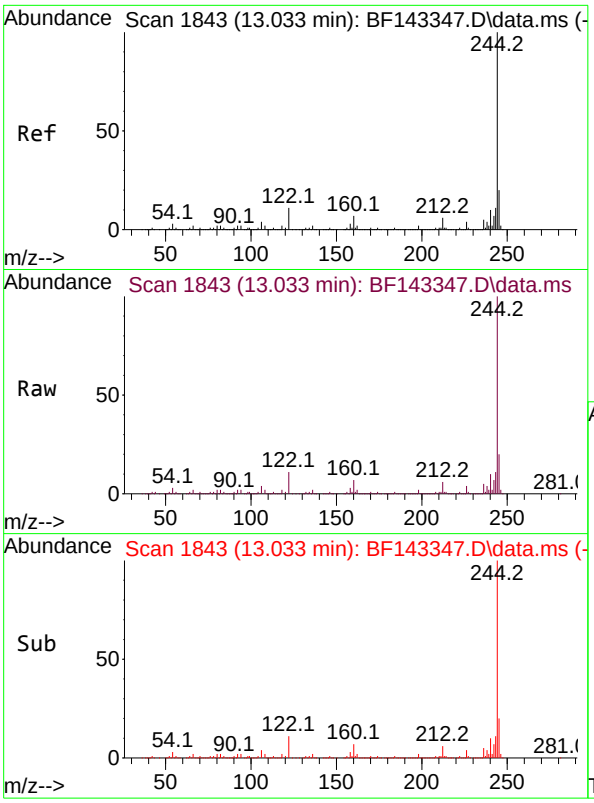


#78
Pyrene
Concen: 39.593 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:202 Resp: 963681

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	14.2	21.4



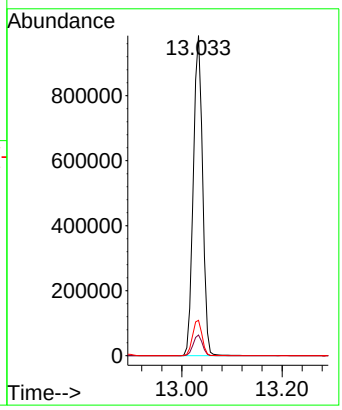


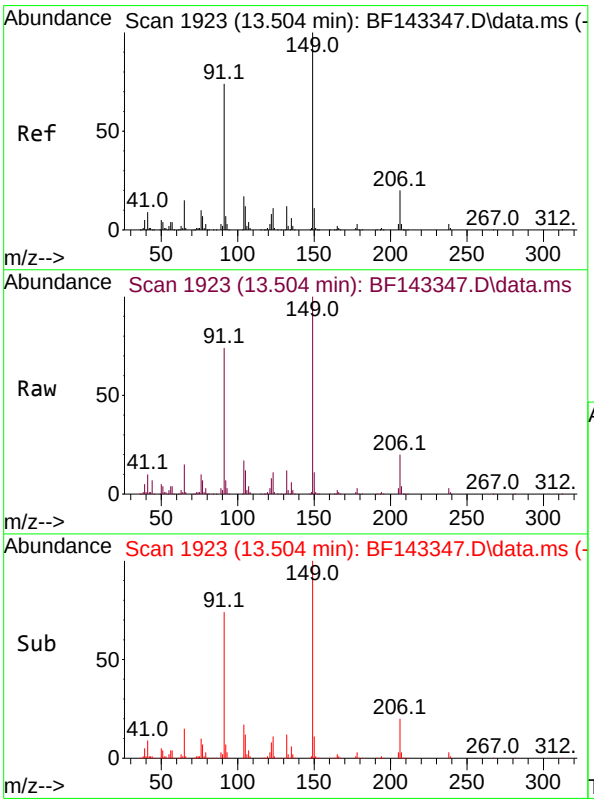
#79
Terphenyl-d14
Concen: 77.745 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1263446

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	11.1	8.9	13.3

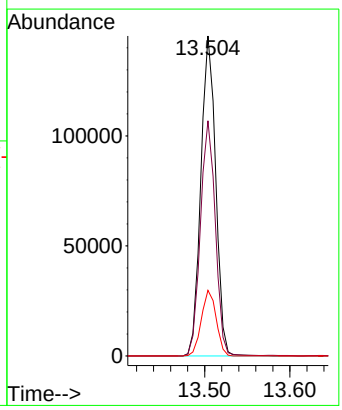


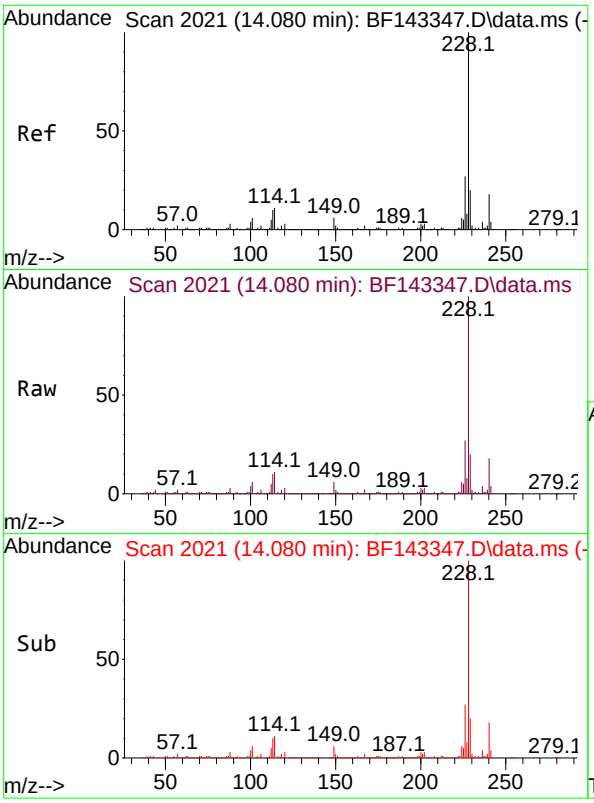


#80
Butylbenzylphthalate
Concen: 37.368 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 175897

Ion	Ratio	Lower	Upper
149	100		
91	73.5	58.8	88.2
206	20.5	16.4	24.6



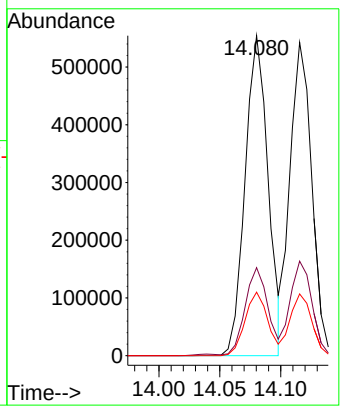


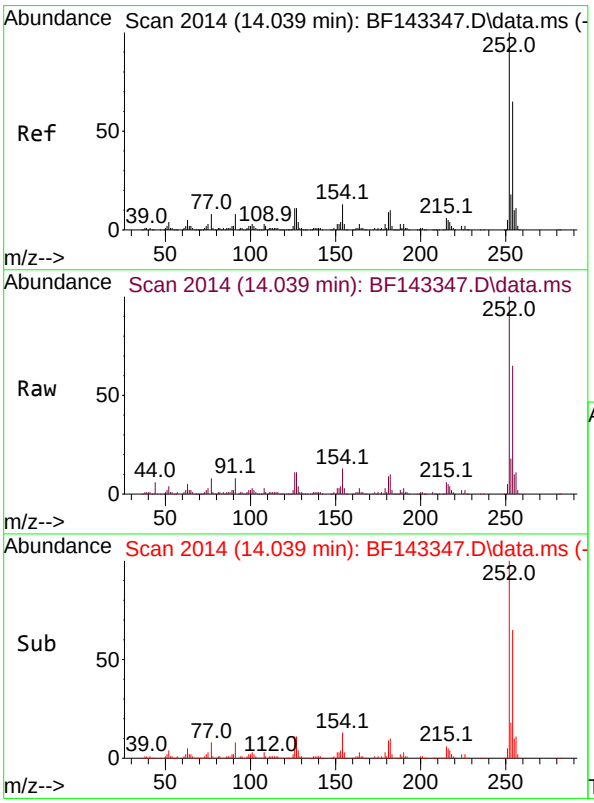
#81
Benzo(a)anthracene
Concen: 39.595 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 730158

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.8	15.8	23.8

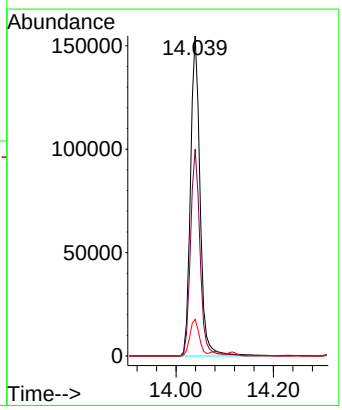


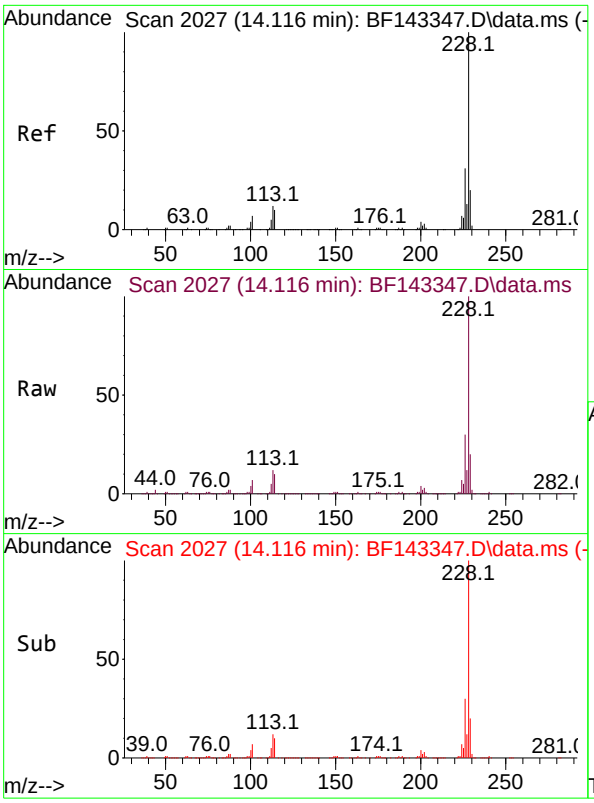


#82
3,3'-Dichlorobenzidine
Concen: 42.421 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 211236

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.5	9.2	13.8



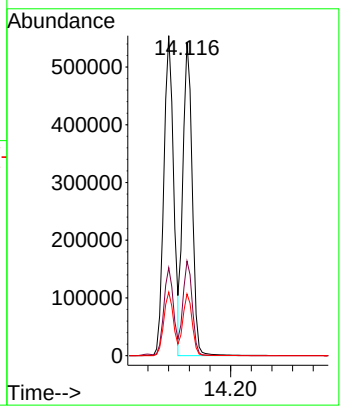


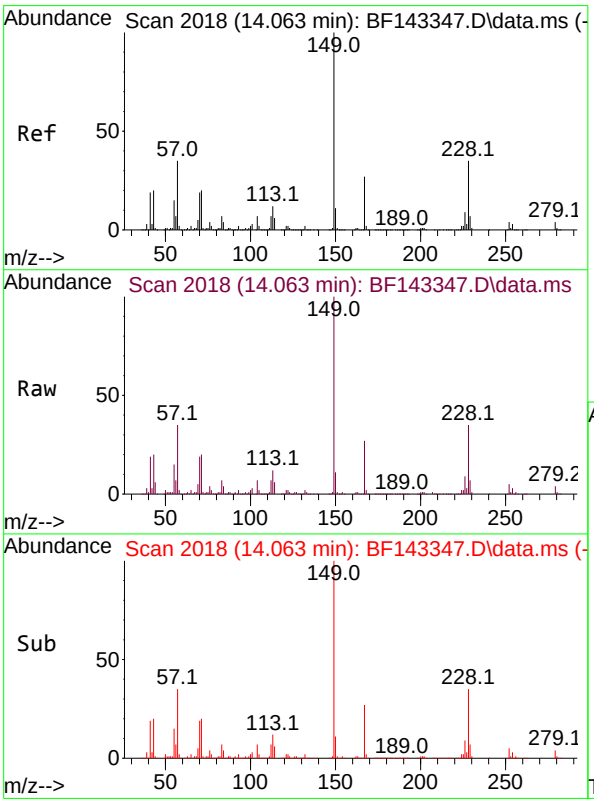
#83
Chrysene
Concen: 39.653 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 681835

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.8	23.6

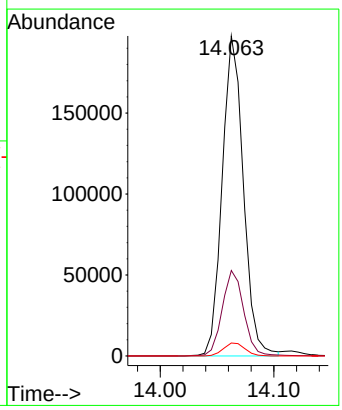


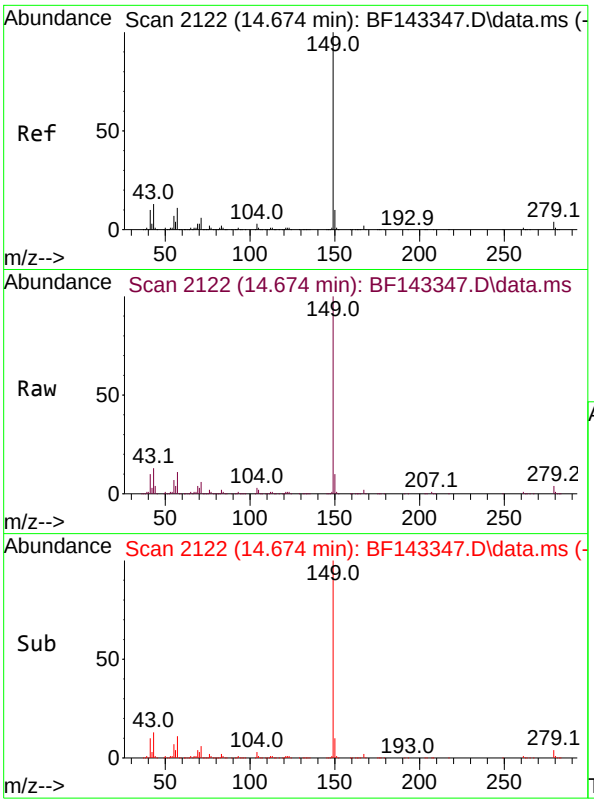


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.186 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 256146

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.0	3.2	4.8



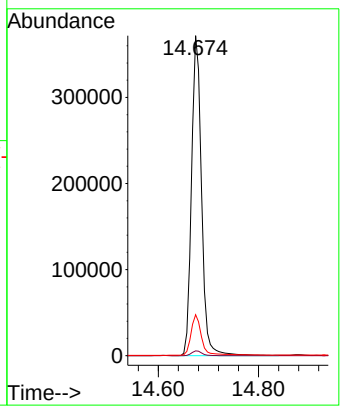


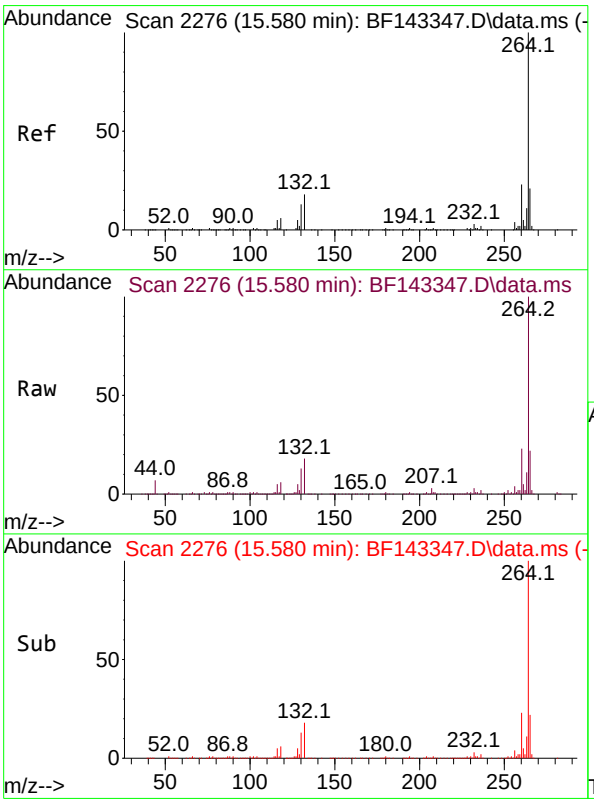
#85
Di-n-octyl phthalate
Concen: 38.008 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 515170

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

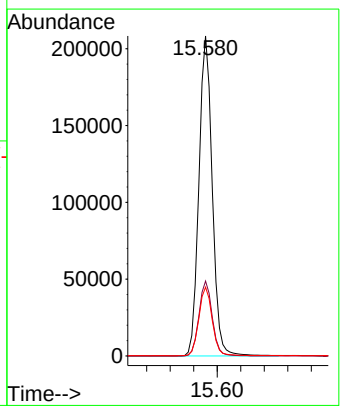


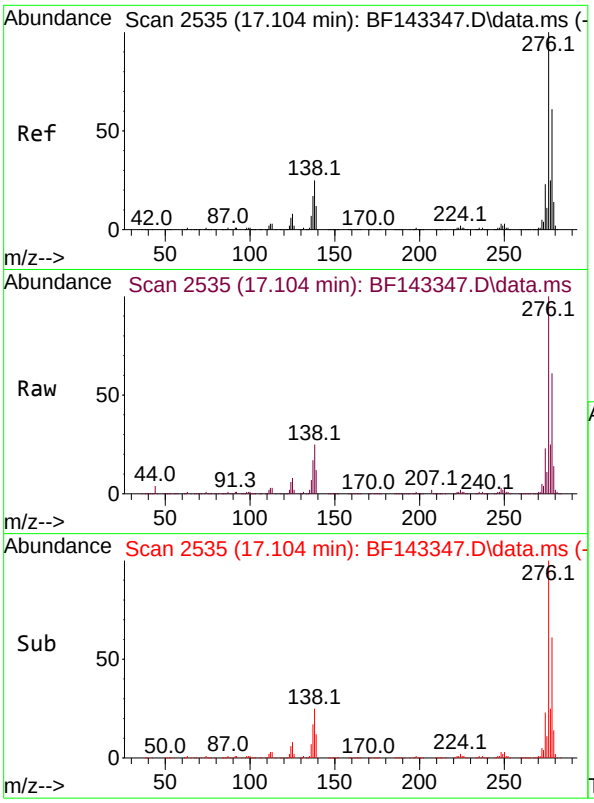


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:264 Resp: 328158

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.5	17.2	25.8



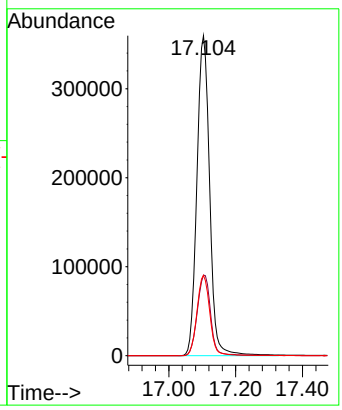


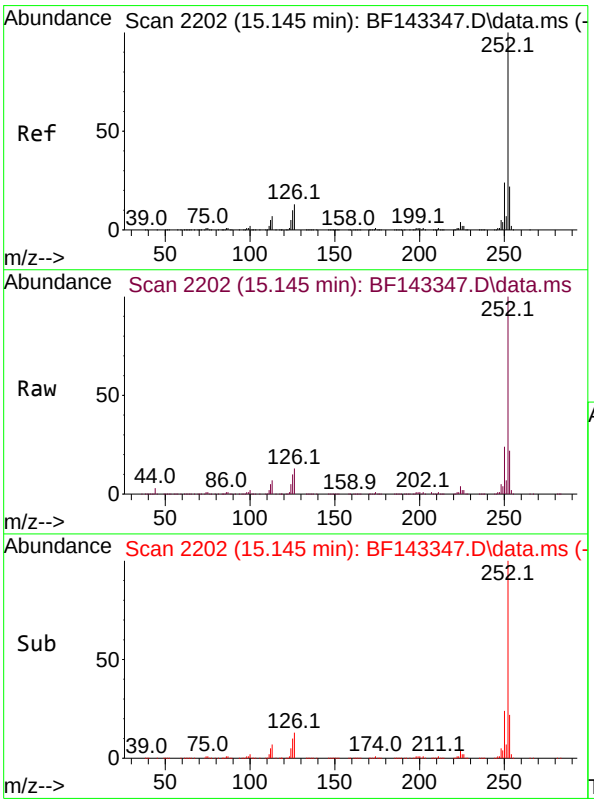
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.445 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 950872

Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.1	31.7
277	25.2	20.2	30.2

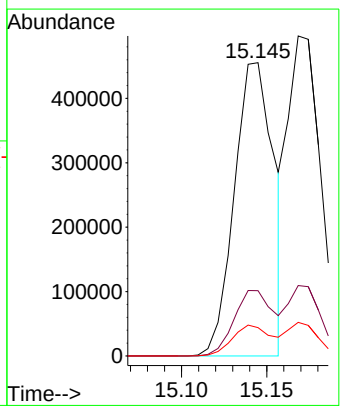


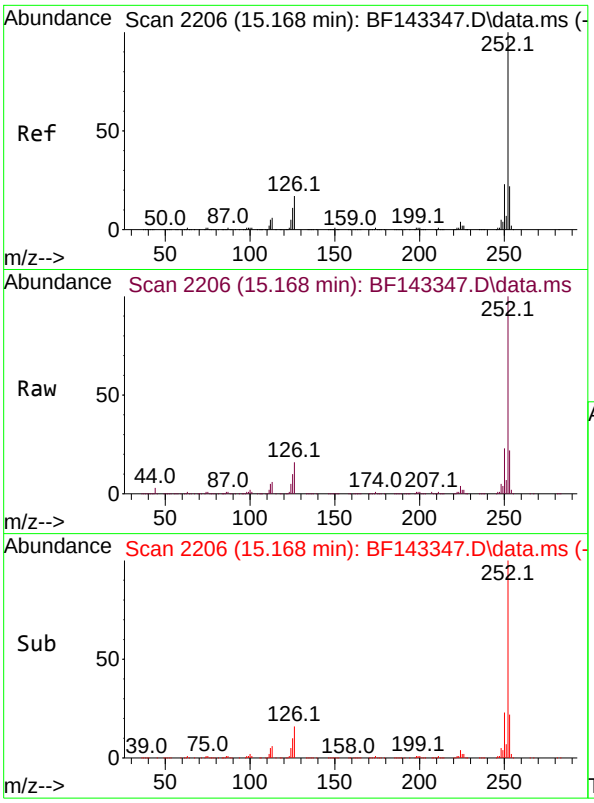


#88
Benzo(b)fluoranthene
Concen: 40.879 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 733725

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.7	7.8	11.6



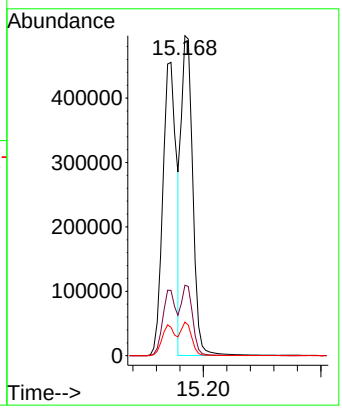


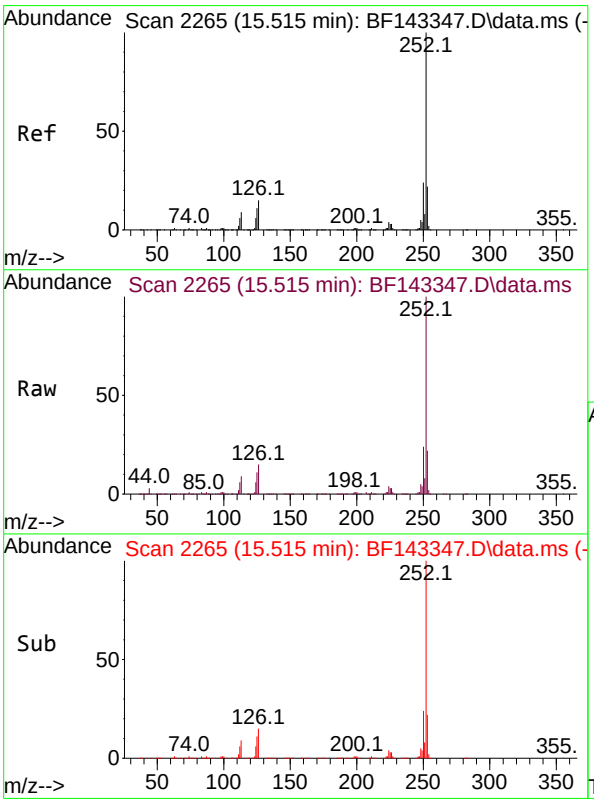
#89
Benzo(k)fluoranthene
Concen: 38.970 ng
RT: 15.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 679660

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.4	12.6

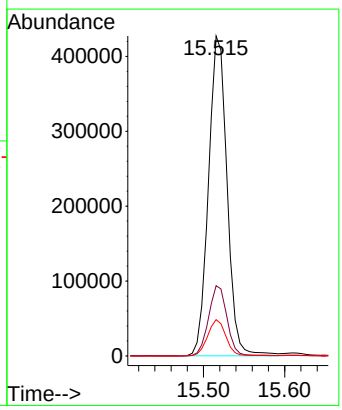


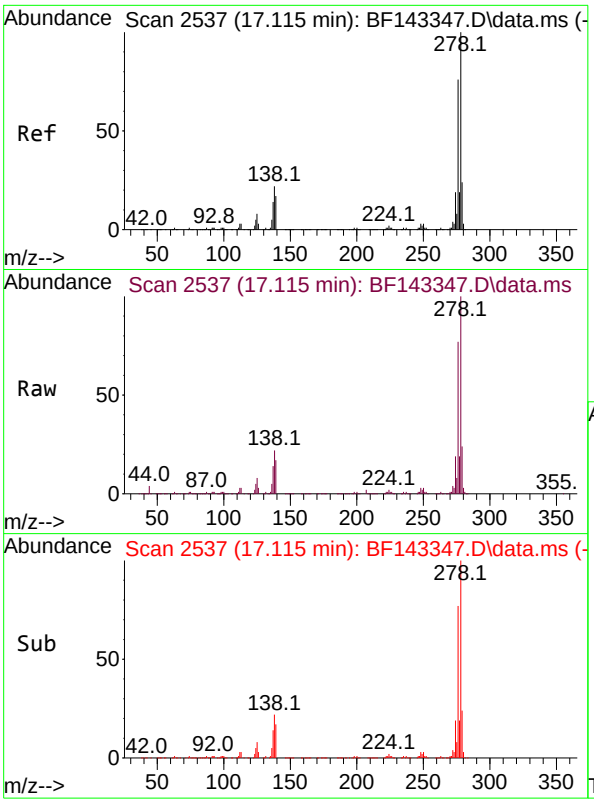


#90
Benzo(a)pyrene
Concen: 40.124 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 678288

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	9.1	13.7



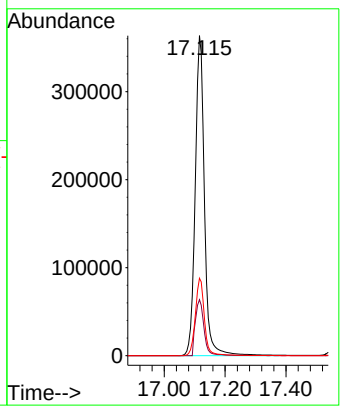


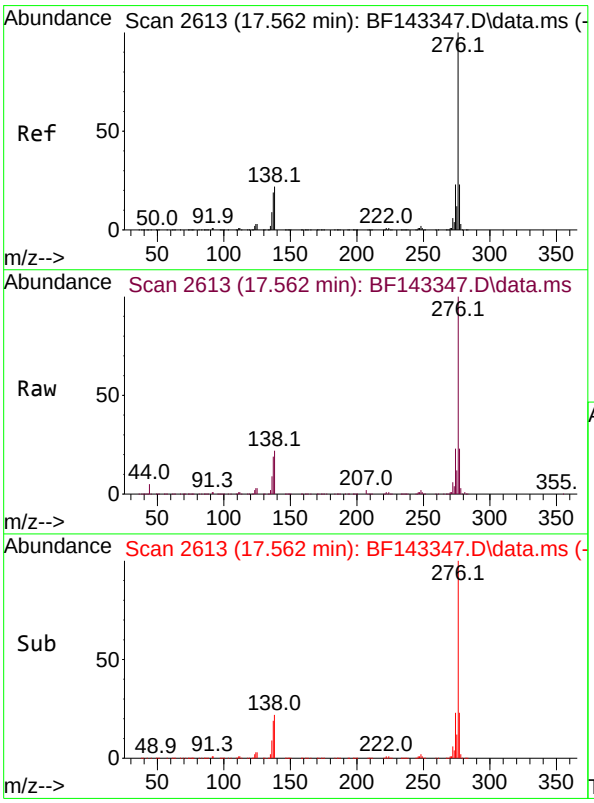
#91
Dibenzo(a,h)anthracene
Concen: 40.870 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 767630

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.0	21.0
279	24.2	19.4	29.0

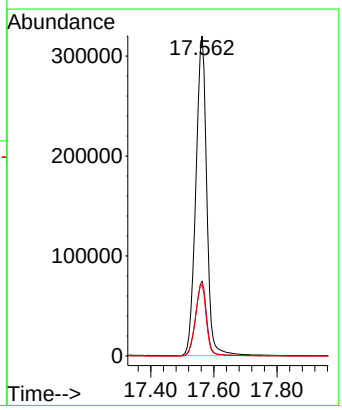




#92
Benzo(g,h,i)perylene
Concen: 40.549 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:276 Resp: 767224

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	22.3	17.8	26.8



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	164745	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	635446	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	333763	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	492512	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286106	20.000	ng	0.00
86) Perylene-d12	15.580	264	342458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	941847	98.862	ng	0.00
7) Phenol-d6	6.563	99	1192312	97.594	ng	0.00
23) Nitrobenzene-d5	7.493	82	1041552	102.072	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	266796	109.378	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1769302	89.893	ng	0.00
79) Terphenyl-d14	13.033	244	1395642	87.090	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	243901	49.475	ng	100
3) Pyridine	3.534	79	668266	50.870	ng	99
4) n-Nitrosodimethylamine	3.475	42	313754	51.272	ng	99
6) Aniline	6.593	93	835697	48.521	ng	97
8) 2-Chlorophenol	6.722	128	510568	50.155	ng	97
9) Benzaldehyde	6.481	77	360210	44.609	ng	99
10) Phenol	6.581	94	708845	48.977	ng	86
11) bis(2-Chloroethyl)ether	6.663	93	515652	48.342	ng	99
12) 1,3-Dichlorobenzene	6.875	146	561710	47.838	ng	99
13) 1,4-Dichlorobenzene	6.951	146	564115	47.868	ng	99
14) 1,2-Dichlorobenzene	7.104	146	533226	47.666	ng	99
15) Benzyl Alcohol	7.069	79	439125	50.143	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	911815	47.882	ng	97
17) 2-Methylphenol	7.181	107	426865	49.676	ng	99
18) Hexachloroethane	7.445	117	185051	50.086	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	355609	47.107	ng	99
20) 3+4-Methylphenols	7.334	107	505153	48.609	ng	95
22) Acetophenone	7.340	105	642443	45.886	ng	97
24) Nitrobenzene	7.510	77	558404	50.388	ng	99
25) Isophorone	7.751	82	995651	47.796	ng	99
26) 2-Nitrophenol	7.828	139	213083	47.982	ng	99
27) 2,4-Dimethylphenol	7.863	122	436419	50.217	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	608760	47.865	ng	100
29) 2,4-Dichlorophenol	8.069	162	428530	50.485	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	427946	47.795	ng	99
31) Naphthalene	8.234	128	1431280	46.809	ng	100
32) Benzoic acid	7.981	122	191072	49.943	ng	95
33) 4-Chloroaniline	8.281	127	531257	48.171	ng	100
34) Hexachlorobutadiene	8.357	225	264501	47.488	ng	100
35) Caprolactam	8.651	113	123969	51.952	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	442622	49.741	ng	98
37) 2-Methylnaphthalene	8.928	142	938982	46.712	ng	99
38) 1-Methylnaphthalene	9.028	142	902313	46.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	437268	47.877	ng	99
41) Hexachlorocyclopentadiene	9.081	237	143487	47.474	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	273471	52.773	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

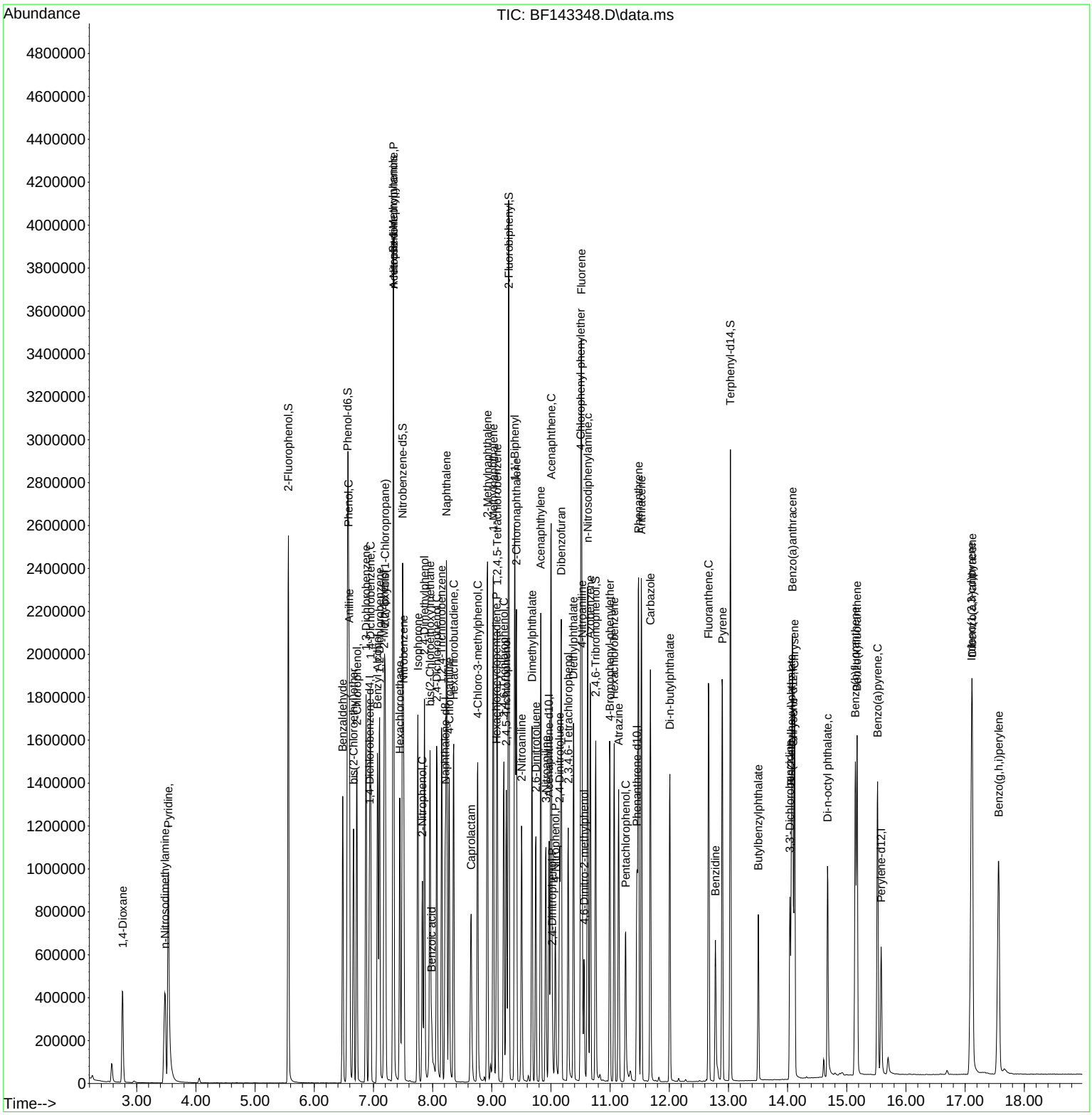
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	303993	51.948	ng	99
46) 1,1'-Biphenyl	9.387	154	1098727	46.558	ng	99
47) 2-Chloronaphthalene	9.416	162	872497	46.944	ng	100
48) 2-Nitroaniline	9.504	65	267630	49.816	ng	99
49) Acenaphthylene	9.828	152	1272878	47.424	ng	100
50) Dimethylphthalate	9.681	163	954560	48.946	ng	100
51) 2,6-Dinitrotoluene	9.745	165	182648	49.400	ng	99
52) Acenaphthene	10.004	154	844612	47.334	ng	100
53) 3-Nitroaniline	9.916	138	220926	55.316	ng	99
54) 2,4-Dinitrophenol	10.022	184	61169	49.460	ng	91
55) Dibenzofuran	10.175	168	1199947	46.725	ng	100
56) 4-Nitrophenol	10.075	139	150114	49.286	ng	99
57) 2,4-Dinitrotoluene	10.145	165	246635	50.215	ng	99
58) Fluorene	10.516	166	910380	46.411	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	215158	54.543	ng	100
60) Diethylphthalate	10.381	149	865395	49.540	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	444383	46.885	ng	99
62) 4-Nitroaniline	10.528	138	207188	53.618	ng	99
63) Azobenzene	10.663	77	957306	47.978	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	95307	47.856	ng	94
66) n-Nitrosodiphenylamine	10.622	169	787342	48.549	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	279724	49.660	ng	96
68) Hexachlorobenzene	11.069	284	291915	48.079	ng	99
69) Atrazine	11.145	200	221025	52.254	ng	98
70) Pentachlorophenol	11.263	266	139359	49.342	ng	98
71) Phenanthrene	11.480	178	1258386	46.830	ng	100
72) Anthracene	11.528	178	1284165	47.123	ng	100
73) Carbazole	11.680	167	1082772	46.654	ng	99
74) Di-n-butylphthalate	12.010	149	1008389	51.345	ng	99
75) Fluoranthene	12.663	202	1074315	45.641	ng	99
77) Benzidine	12.780	184	392548	50.186	ng	99
78) Pyrene	12.898	202	1081940	45.078	ng	99
80) Butylbenzylphthalate	13.504	149	229034	48.268	ng	99
81) Benzo(a)anthracene	14.080	228	878814	48.327	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	267204	54.417	ng	100
83) Chrysene	14.116	228	831682	49.049	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	341876	48.921	ng	98
85) Di-n-octyl phthalate	14.674	149	675816	48.572	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	1191556	48.566	ng	100
88) Benzo(b)fluoranthene	15.145	252	895570	47.812	ng	100
89) Benzo(k)fluoranthene	15.174	252	901937	49.555	ng	99
90) Benzo(a)pyrene	15.521	252	866161	49.098	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	957602	48.855	ng	99
92) Benzo(g,h,i)perylene	17.568	276	962236	48.732	ng	100

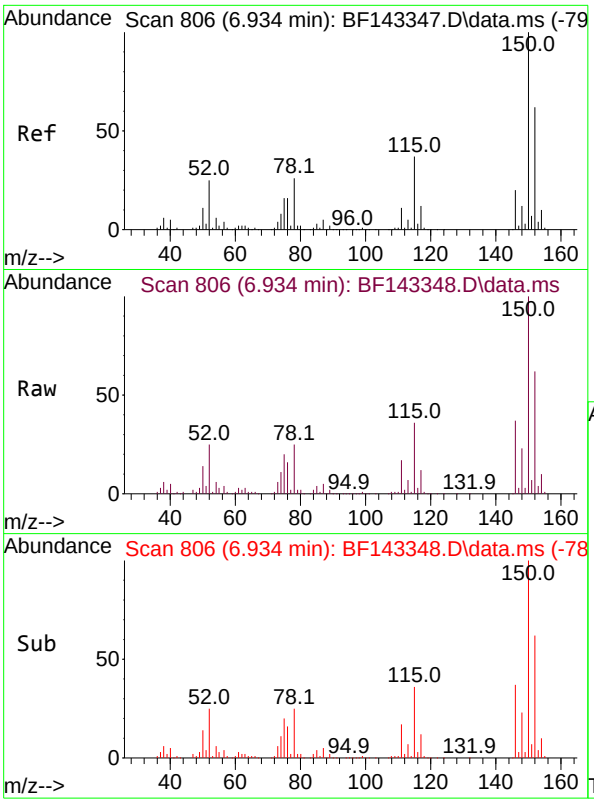
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



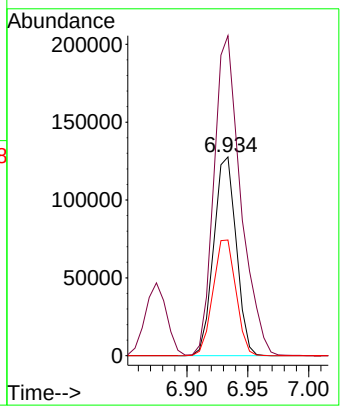


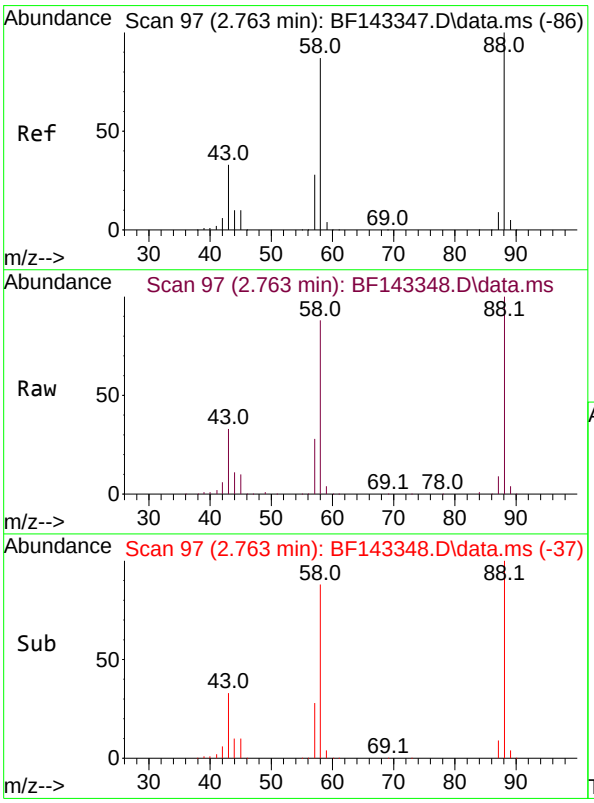
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 164745

Ion	Ratio	Lower	Upper
152	100		
150	161.0	129.8	194.8
115	58.2	47.8	71.8

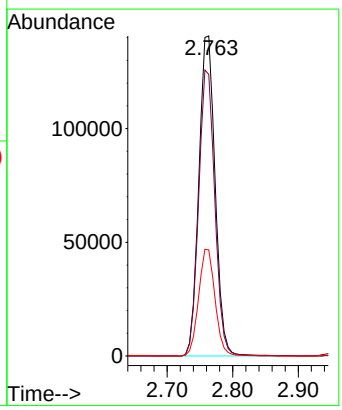


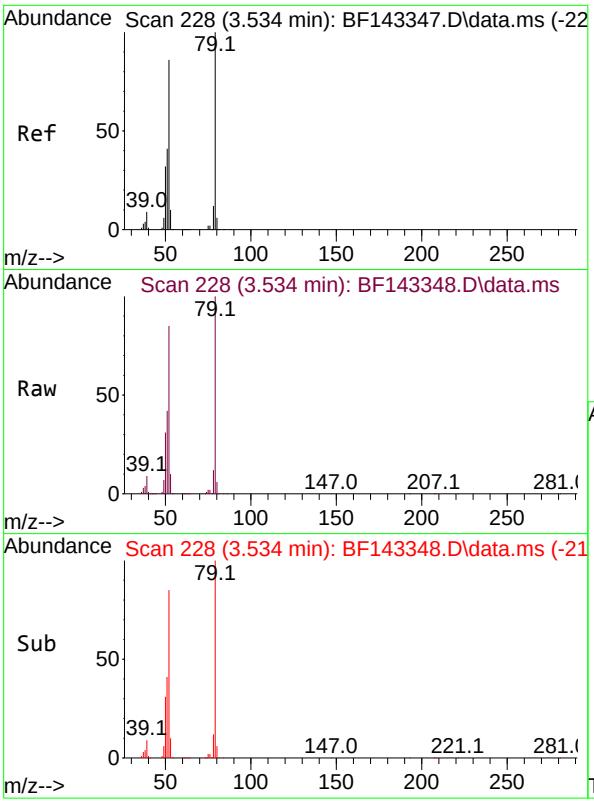


#2
1,4-Dioxane
Concen: 49.475 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 88 Resp: 243901

Ion	Ratio	Lower	Upper
88	100		
58	88.3	71.0	106.6
43	33.6	27.0	40.6



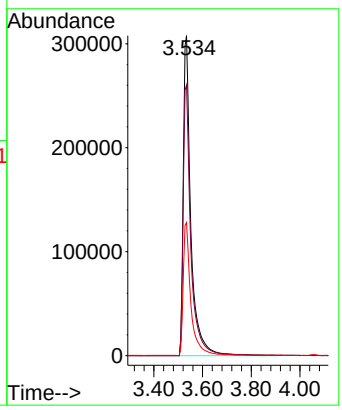


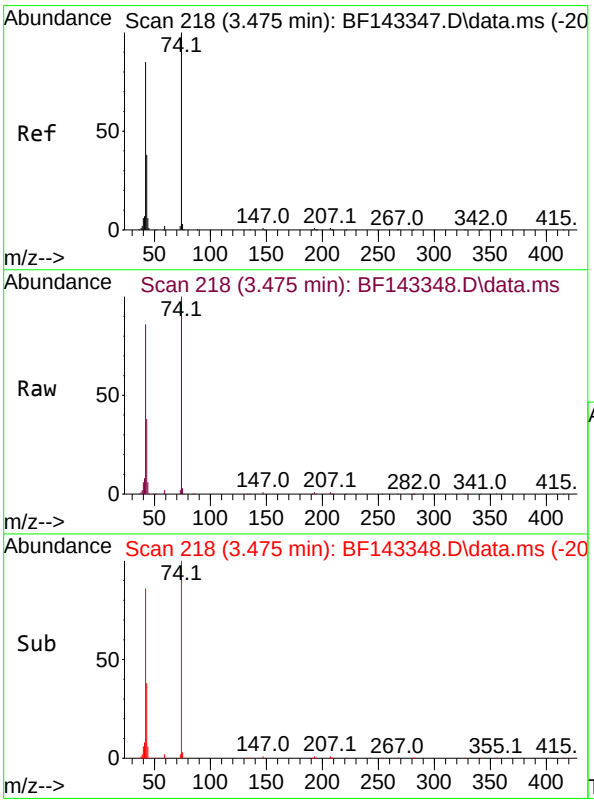
#3
Pyridine
Concen: 50.870 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 668266

Ion	Ratio	Lower	Upper
79	100		
52	84.5	68.7	103.1
51	41.6	33.4	50.0

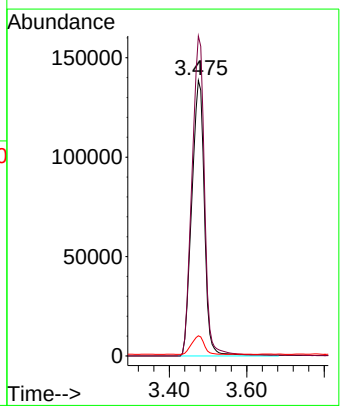


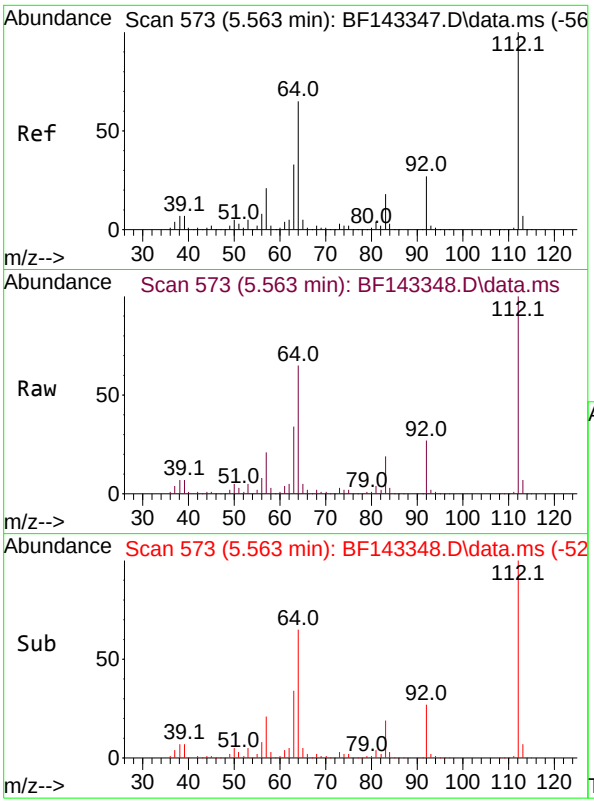


#4
n-Nitrosodimethylamine
Concen: 51.272 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 42 Resp: 313754

Ion	Ratio	Lower	Upper
42	100		
74	116.1	94.1	141.1
44	7.3	6.5	9.7



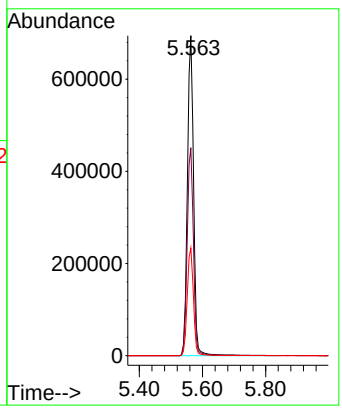


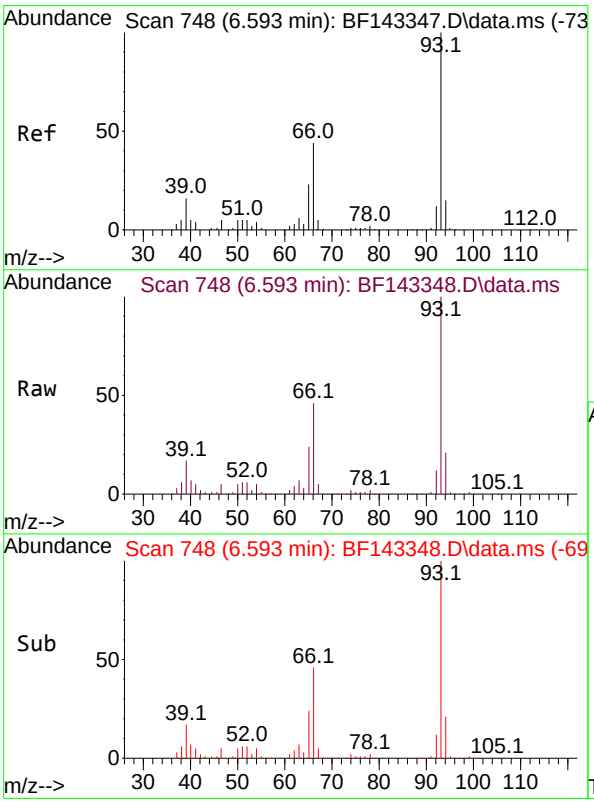
#5
2-Fluorophenol
Concen: 98.862 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 941847

Ion	Ratio	Lower	Upper
112	100		
64	65.0	52.1	78.1
63	33.6	26.6	39.8

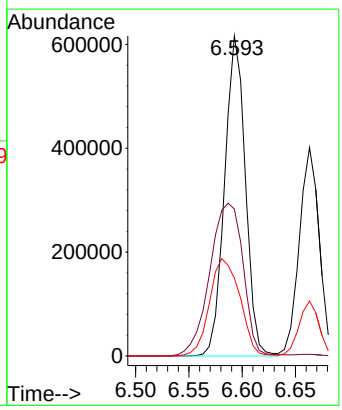


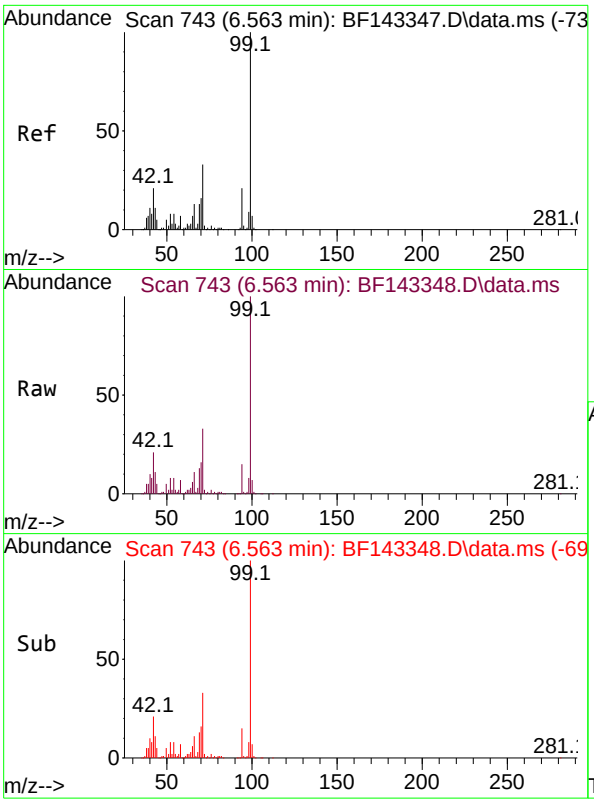


#6
Aniline
Concen: 48.521 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 93 Resp: 835697

Ion	Ratio	Lower	Upper
93	100		
66	45.9	35.3	52.9
65	24.3	18.2	27.4



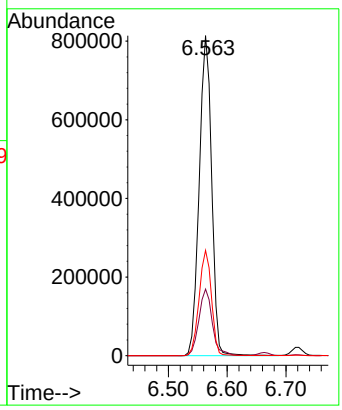


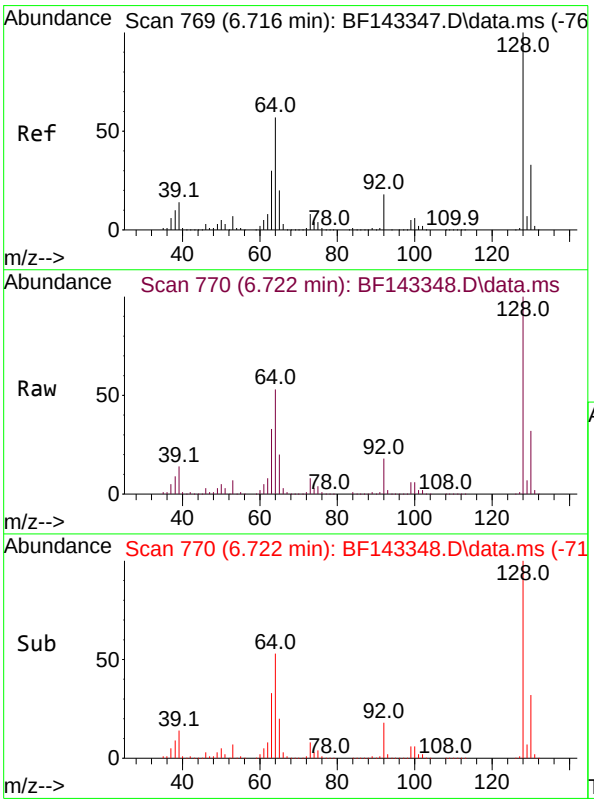
#7
Phenol-d6
Concen: 97.594 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1192312

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.9	26.2	39.2

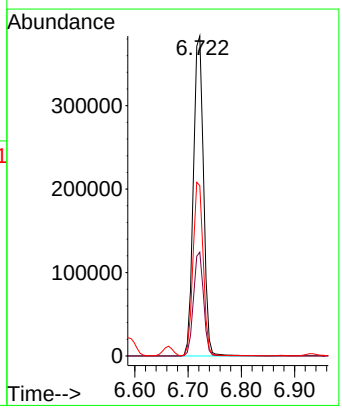


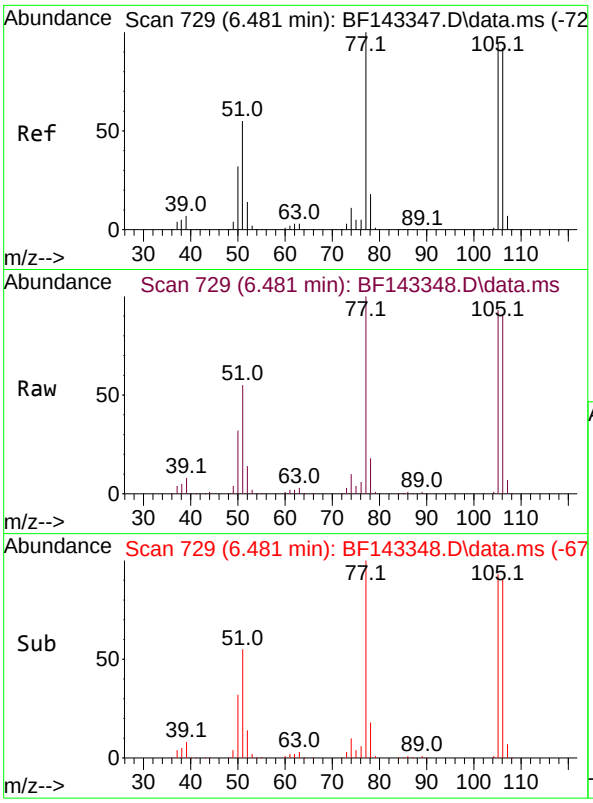


#8
2-Chlorophenol
Concen: 50.155 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:128 Resp: 510568

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	53.2	36.7	76.7



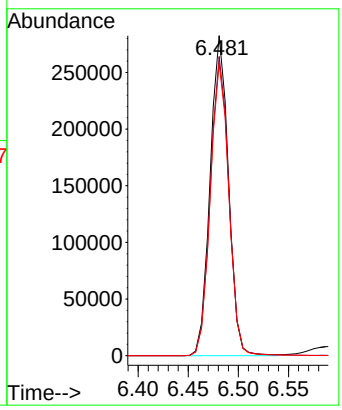


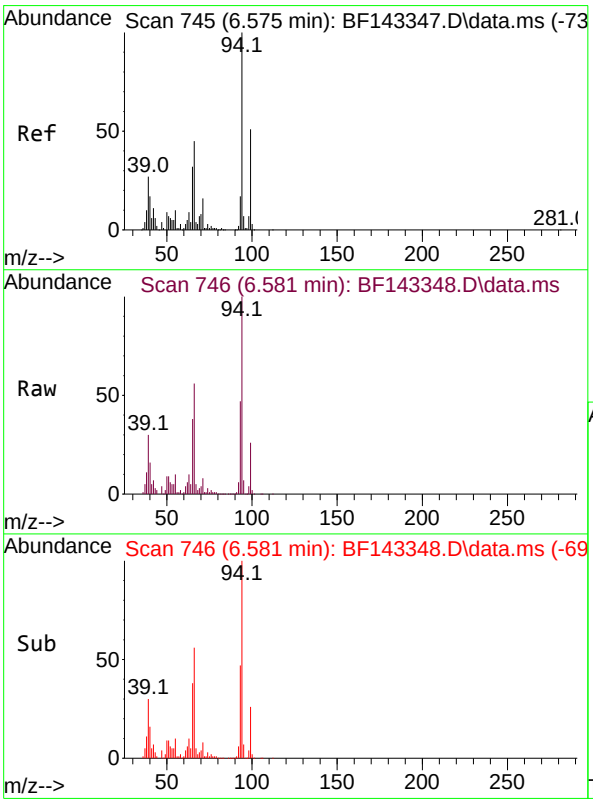
#9
Benzaldehyde
Concen: 44.609 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 360210

Ion	Ratio	Lower	Upper
77	100		
105	93.5	74.2	114.2
106	91.4	72.2	112.2

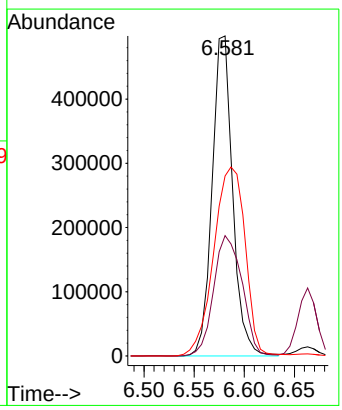


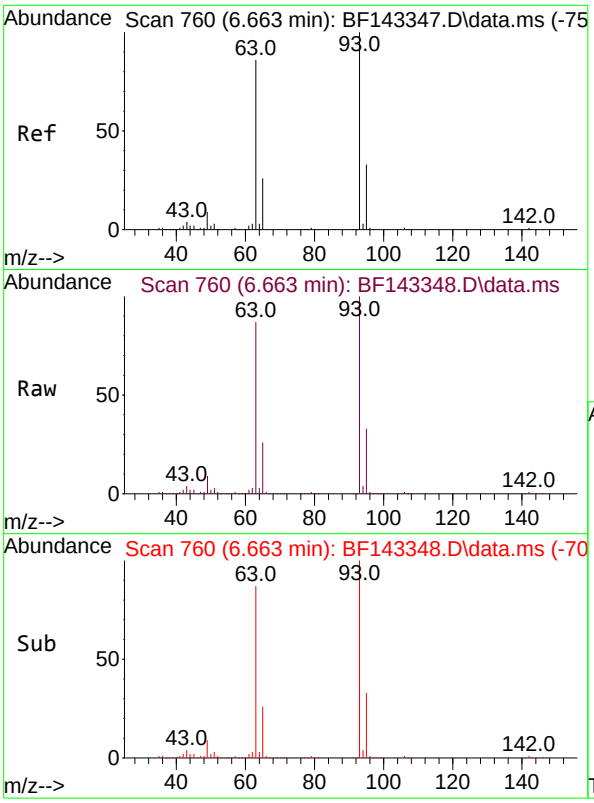


#10
Phenol
Concen: 48.977 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 94 Resp: 708845

Ion	Ratio	Lower	Upper
94	100		
65	37.6	12.0	52.0
66	56.2	25.6	65.6



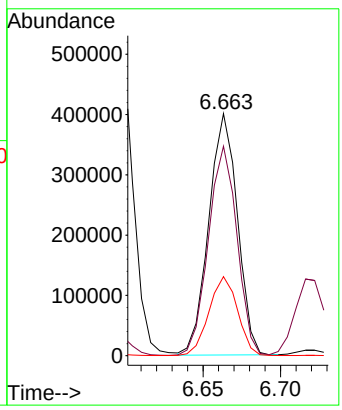


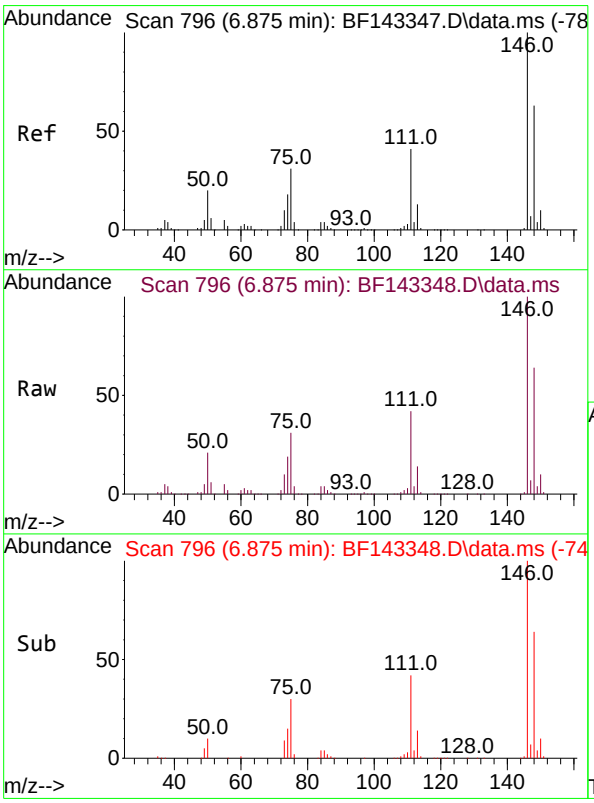
#11
bis(2-Chloroethyl)ether
Concen: 48.342 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 515652

Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.7	105.7
95	32.7	13.0	53.0

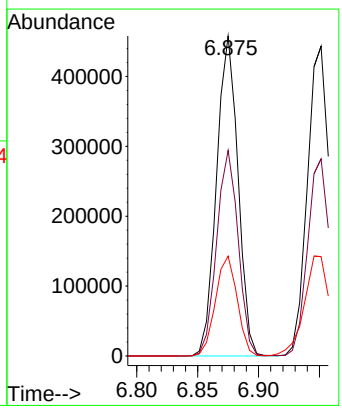


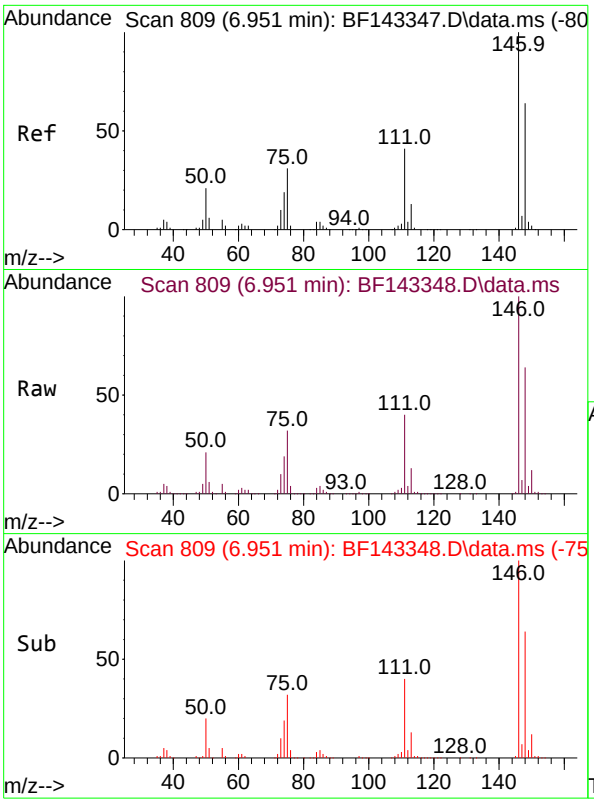


#12
1,3-Dichlorobenzene
Concen: 47.838 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:146 Resp: 561710

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
75	31.2	24.9	37.3



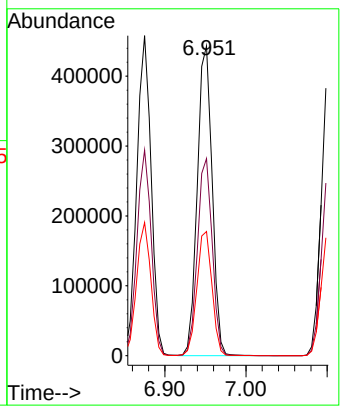


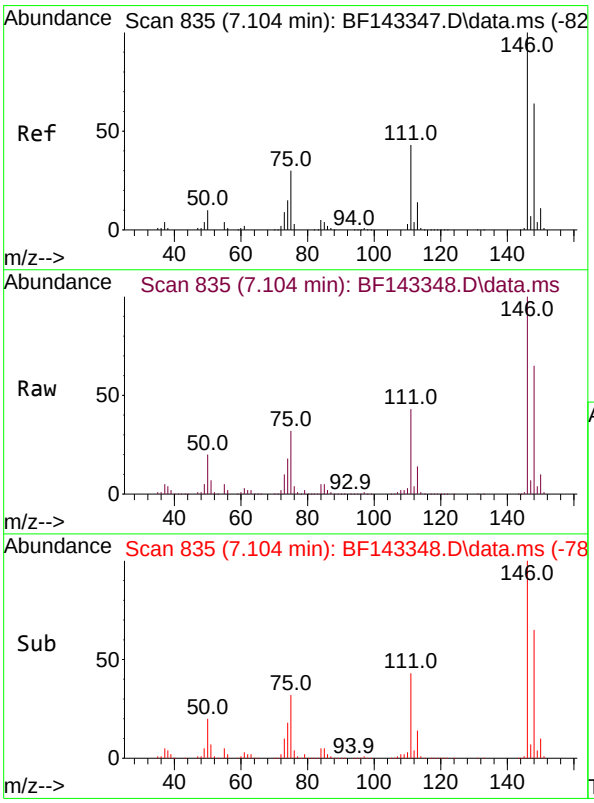
#13
1,4-Dichlorobenzene
Concen: 47.868 ng
RT: 6.951 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 564115

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	40.1	32.6	48.8

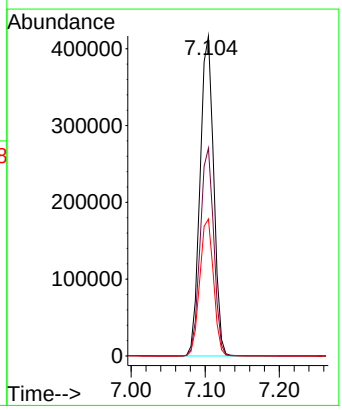


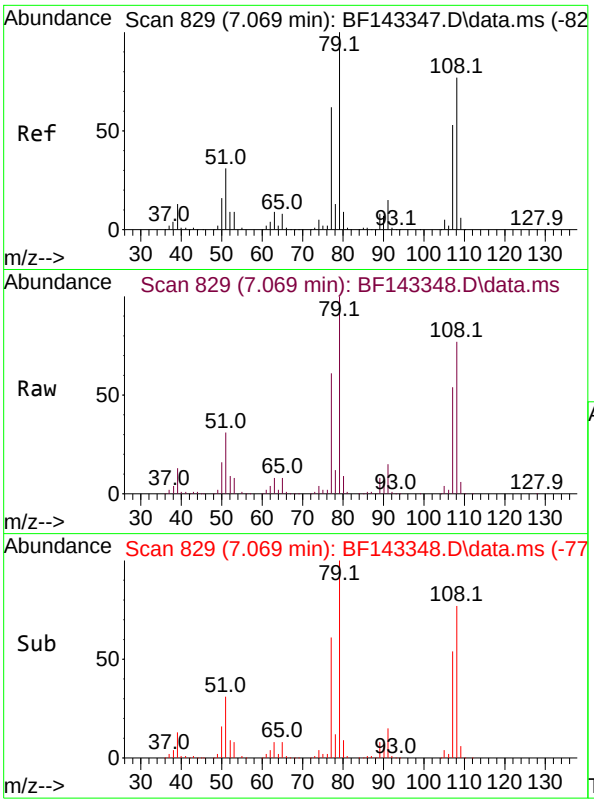


#14
1,2-Dichlorobenzene
Concen: 47.666 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:146 Resp: 533226

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	42.8	34.1	51.1



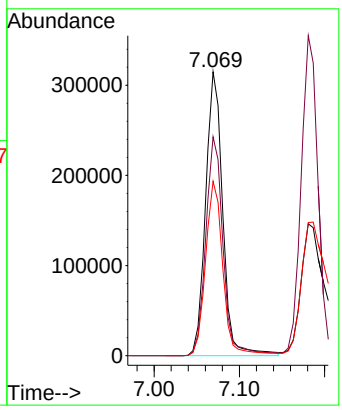


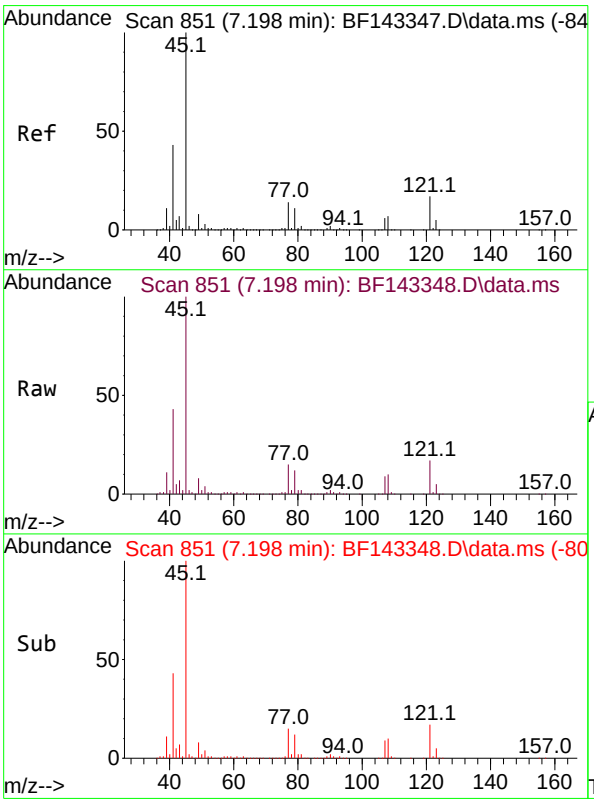
#15
Benzyl Alcohol
Concen: 50.143 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 439125

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.5	92.3
77	61.4	49.8	74.8

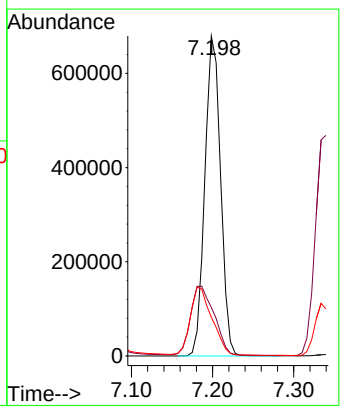


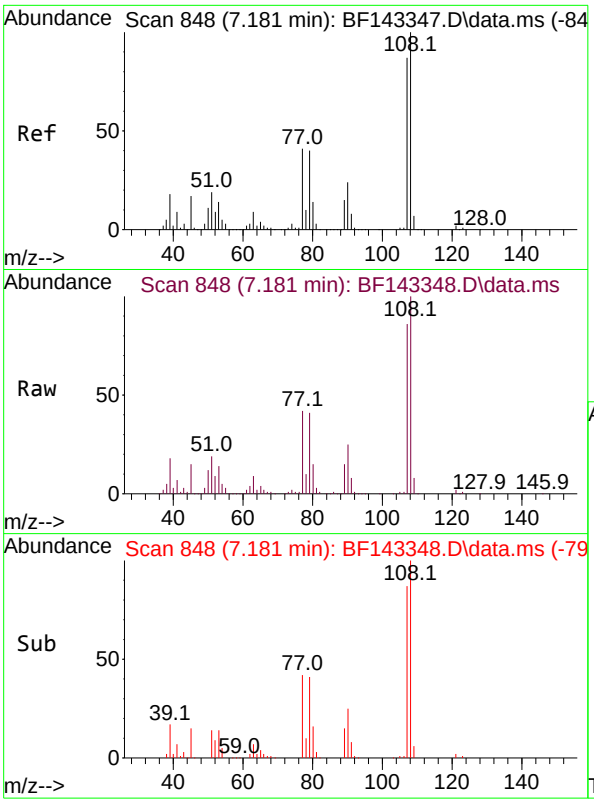


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.882 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 45 Resp: 911815

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.0
79	12.1	0.0	31.1



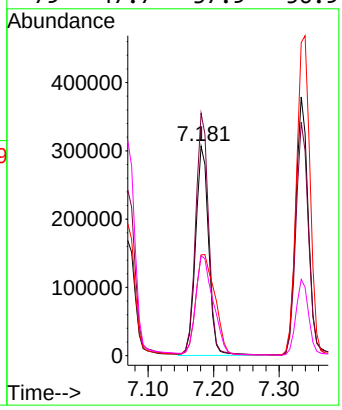


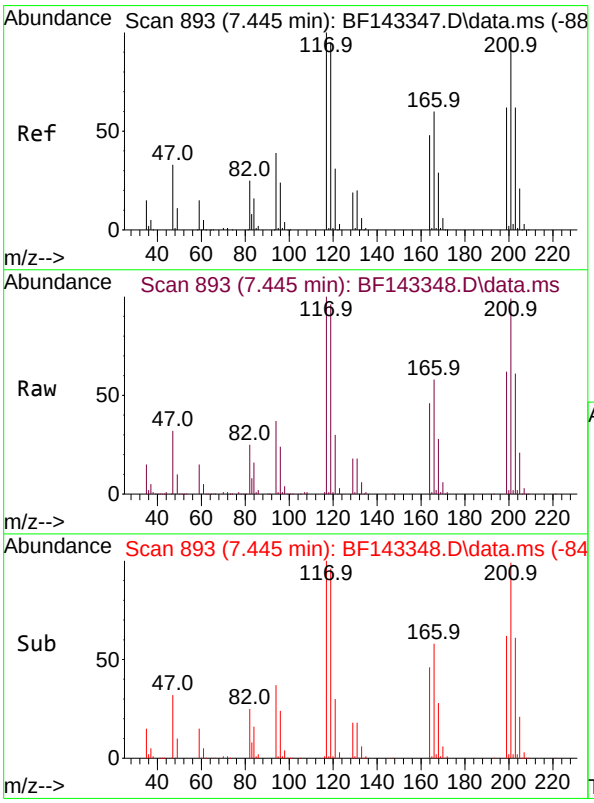
#17
2-Methylphenol
Concen: 49.676 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 426865

Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.0	138.0
77	48.1	38.2	57.2
79	47.7	37.9	56.9

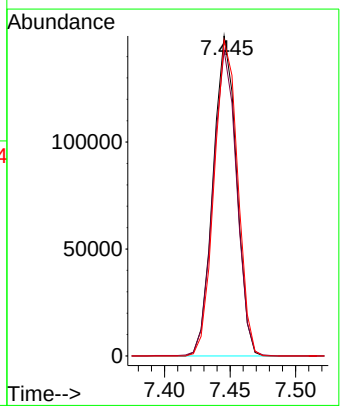


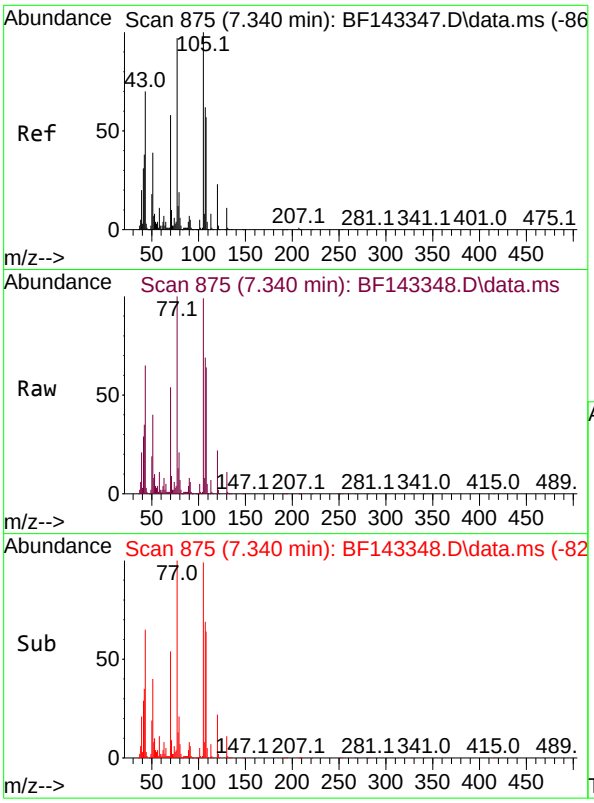


#18
Hexachloroethane
Concen: 50.086 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:117 Resp: 185051

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	98.6	77.2	115.8



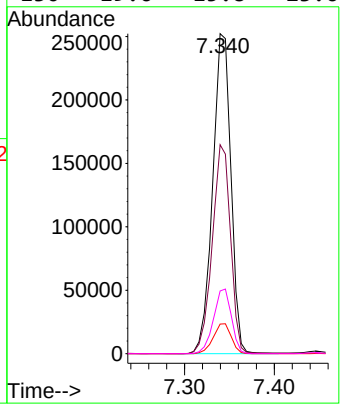


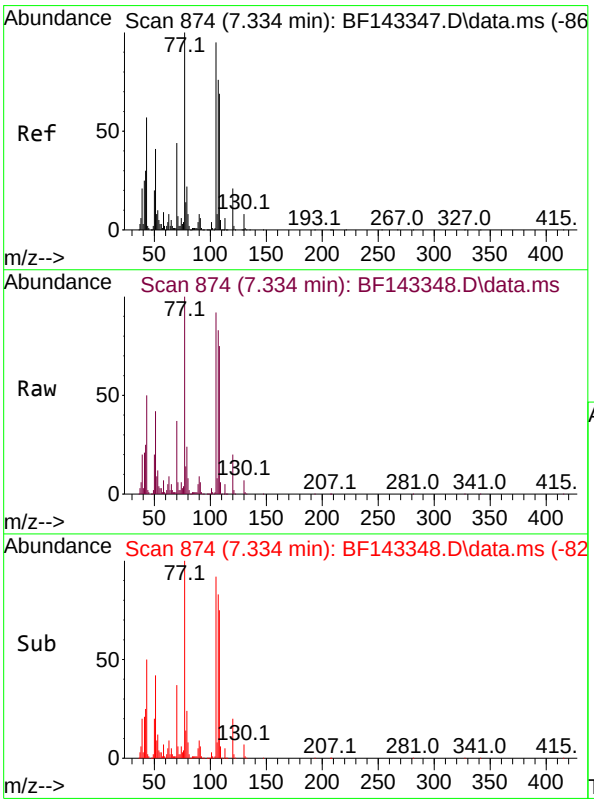
#19
n-Nitroso-di-n-propylamine
Concen: 47.107 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 355609

Ion	Ratio	Lower	Upper
70	100		
42	65.3	51.6	77.4
101	9.2	7.5	11.3
130	19.6	15.8	23.6

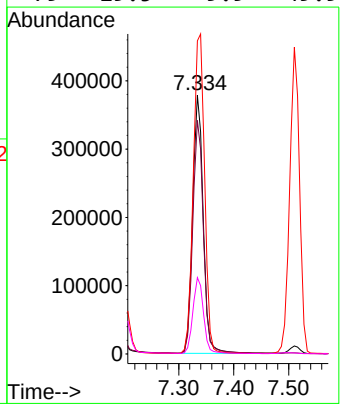


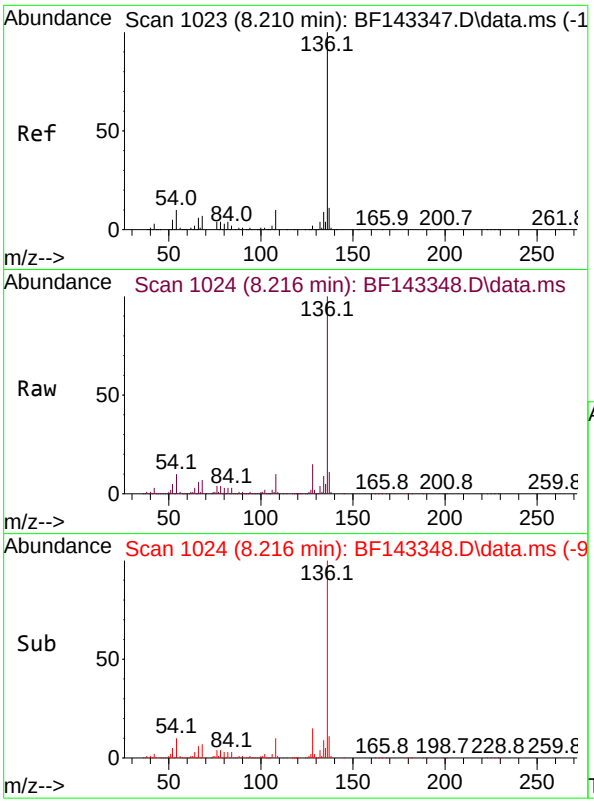


#20
3+4-Methylphenols
Concen: 48.609 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:107 Resp: 505153

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	121.1	112.0	152.0
79	29.5	9.9	49.9



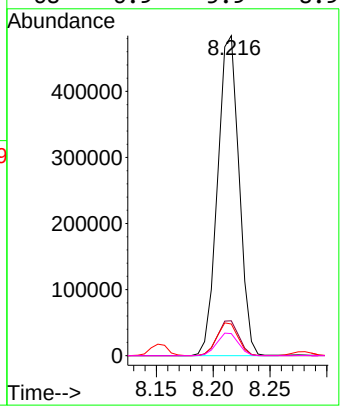


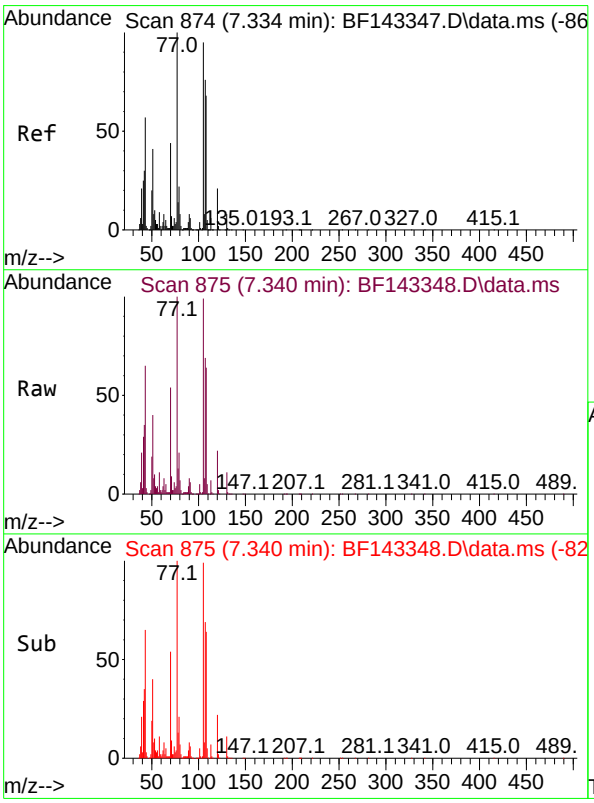
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 635446

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.9	8.4	12.6
68	6.9	5.9	8.9

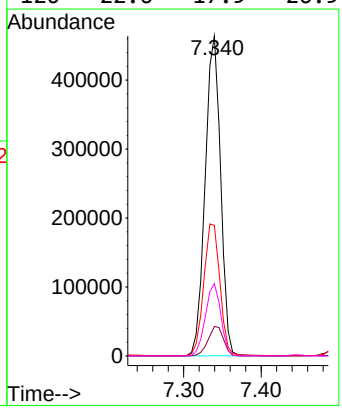


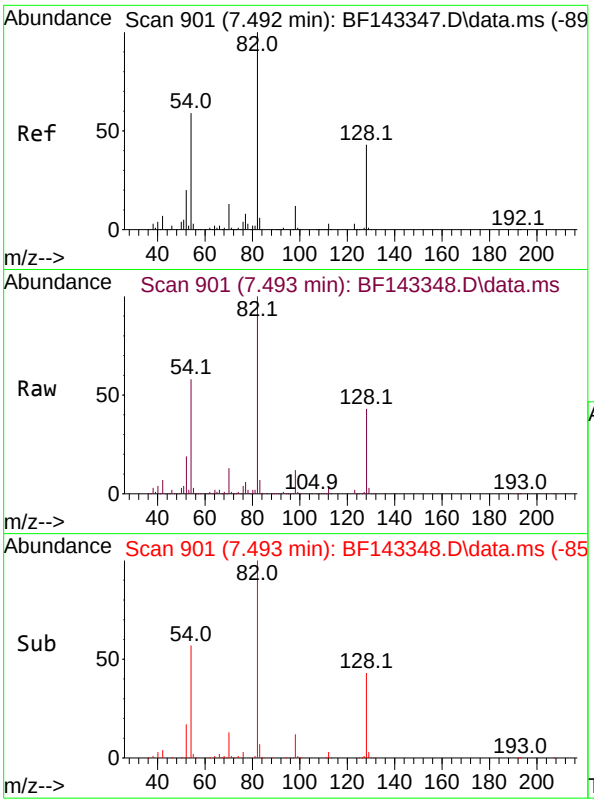


#22
Acetophenone
Concen: 45.886 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:105 Resp: 642443

Ion	Ratio	Lower	Upper
105	100		
71	9.2	6.2	9.4
51	40.8	34.8	52.2
120	22.6	17.9	26.9



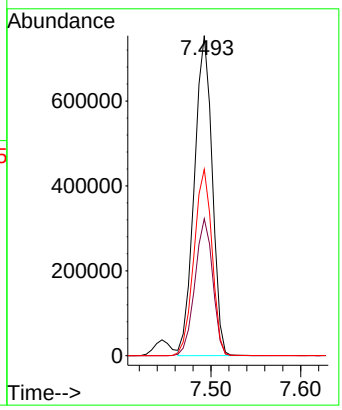


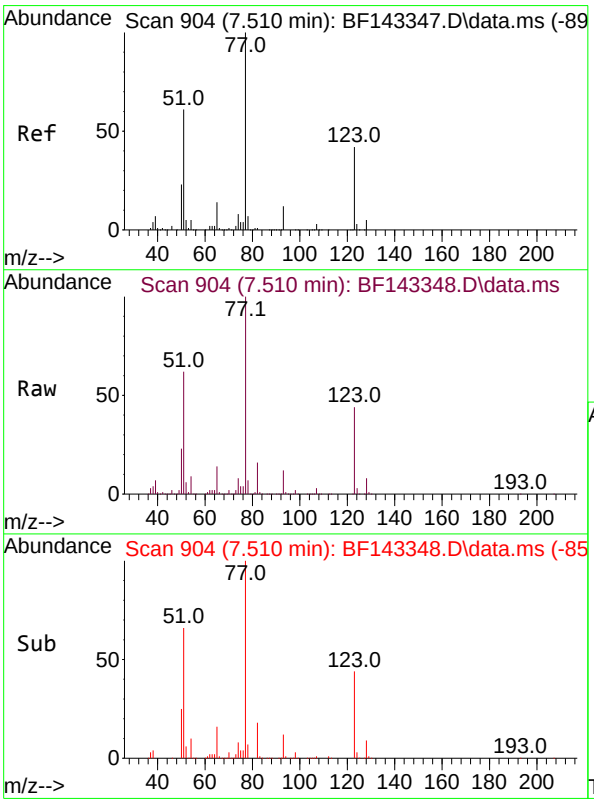
#23
Nitrobenzene-d5
Concen: 102.072 ng
RT: 7.493 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1041552

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	58.2	46.7	70.1

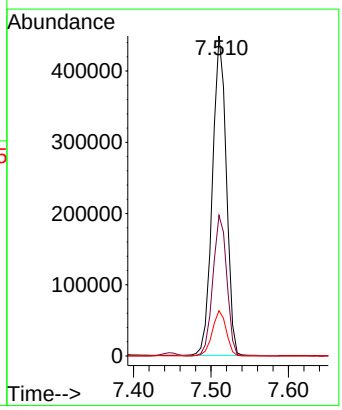


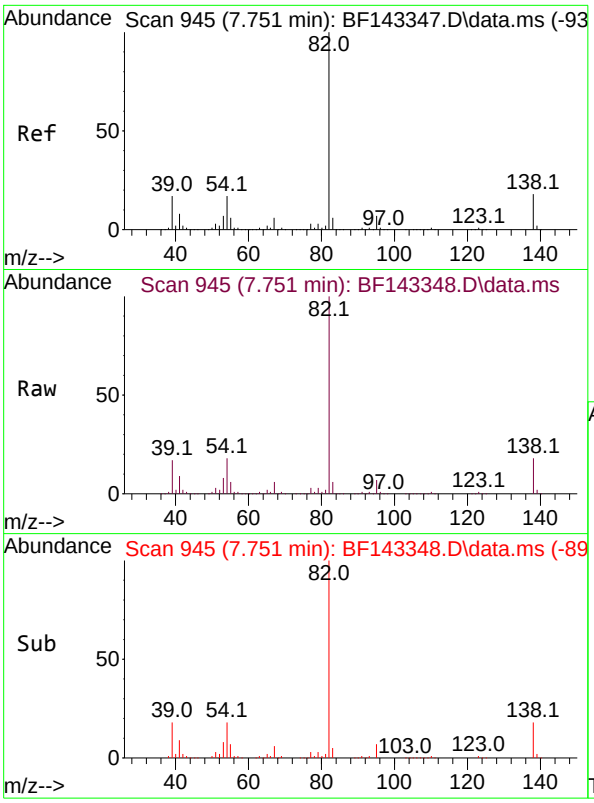


#24
Nitrobenzene
Concen: 50.388 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 77 Resp: 558404

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.8	52.2
65	14.1	11.0	16.6



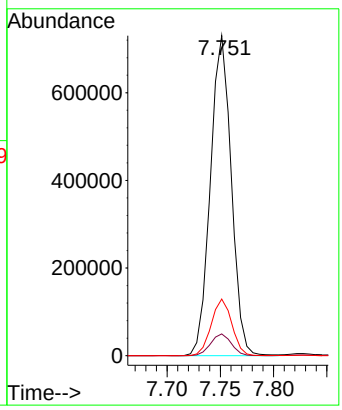


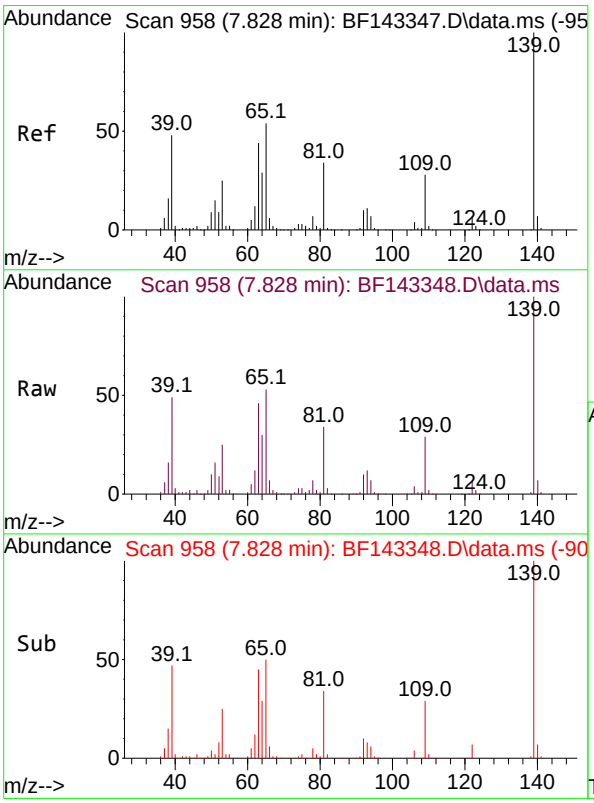
#25
Isophorone
Concen: 47.796 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 995651

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.7	14.6	21.8

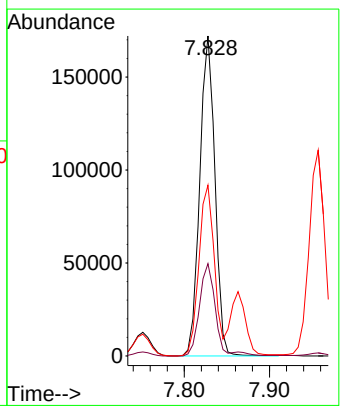


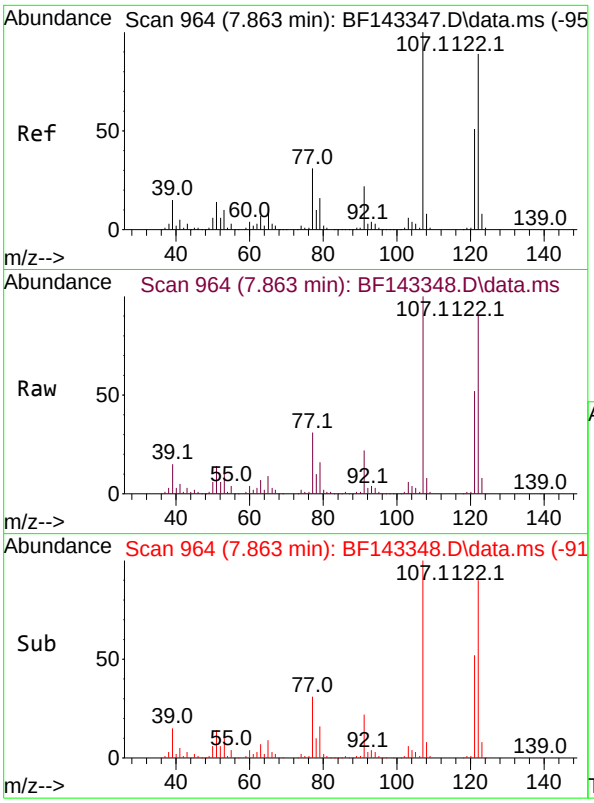


#26
2-Nitrophenol
Concen: 47.982 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 213083

Ion	Ratio	Lower	Upper
139	100		
109	28.9	22.4	33.6
65	53.4	42.9	64.3



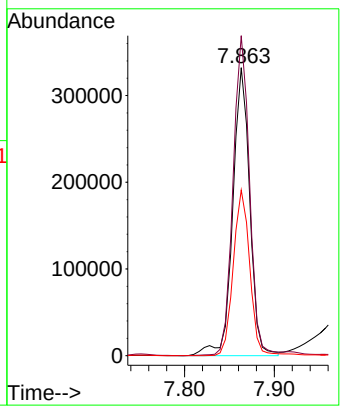


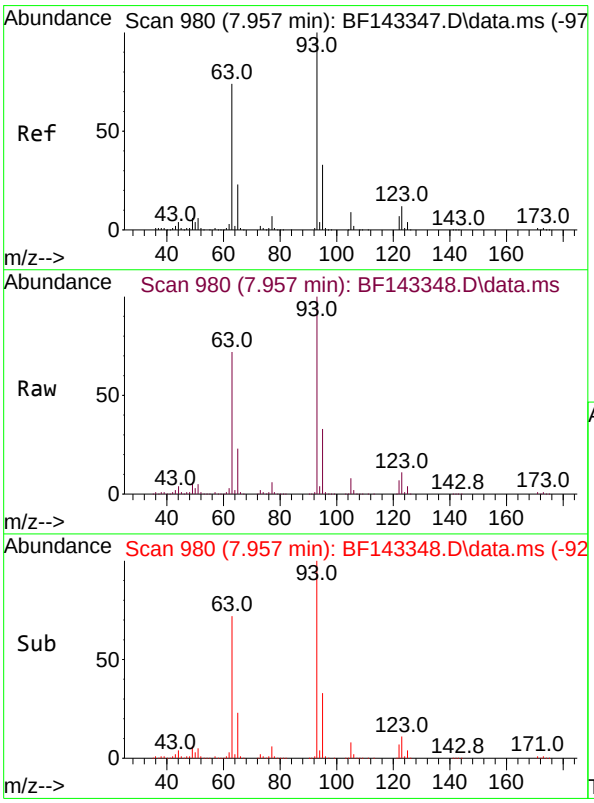
#27
2,4-Dimethylphenol
Concen: 50.217 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 436419

Ion	Ratio	Lower	Upper
122	100		
107	111.1	89.9	134.9
121	57.5	46.2	69.4

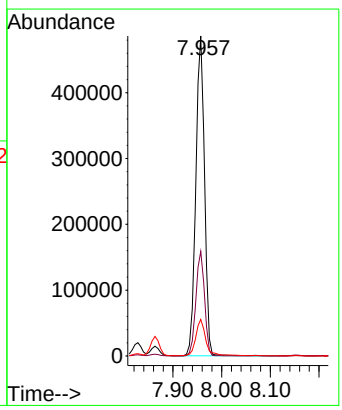


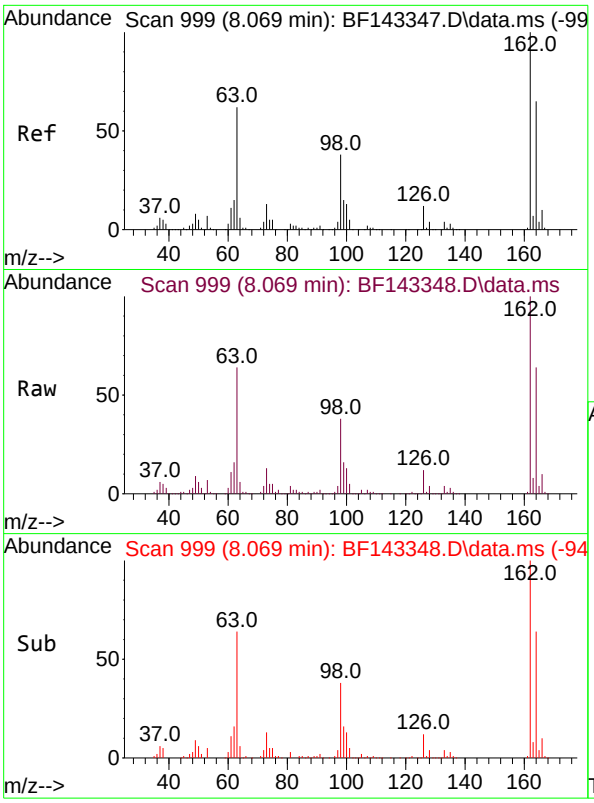


#28
bis(2-Chloroethoxy)methane
Concen: 47.865 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 93 Resp: 608760

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	11.4	9.4	14.2



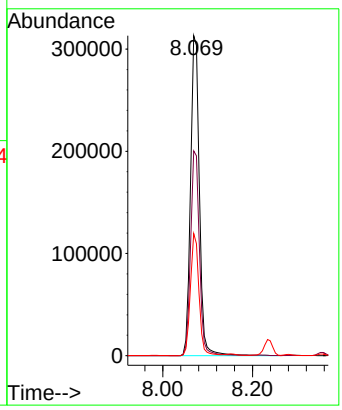


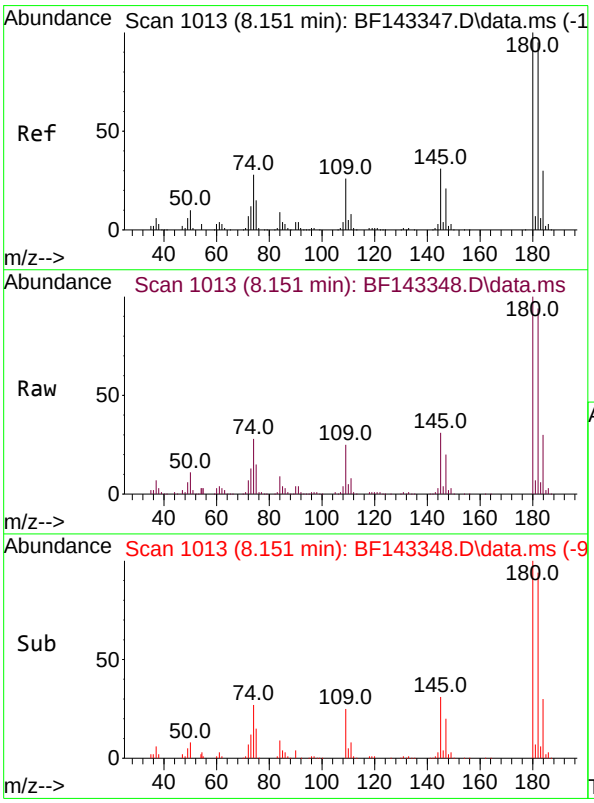
#29
2,4-Dichlorophenol
Concen: 50.485 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 428530

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.5	84.5
98	38.1	17.7	57.7

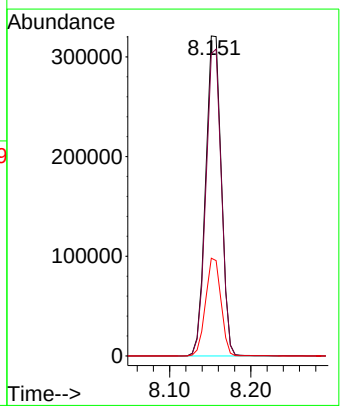


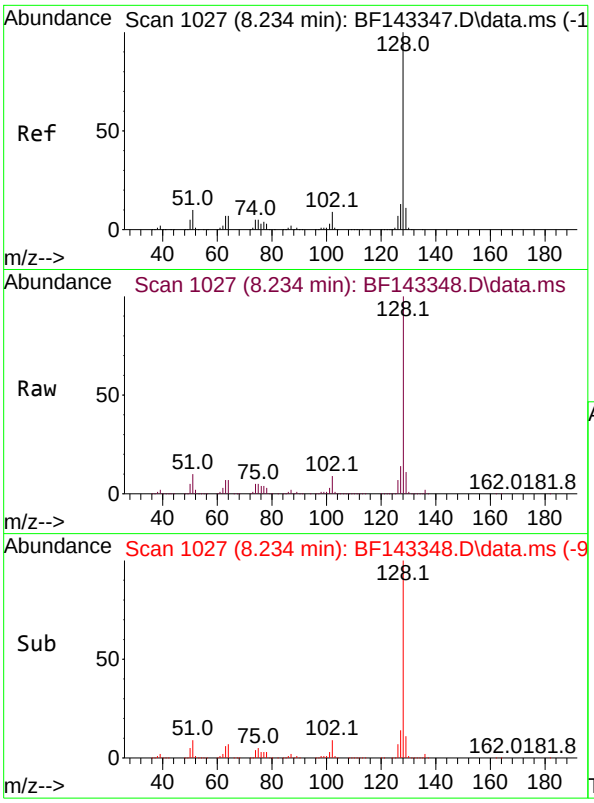


#30
1,2,4-Trichlorobenzene
Concen: 47.795 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:180 Resp: 427946

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	30.6	24.9	37.3



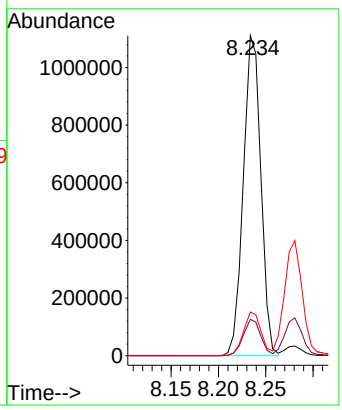


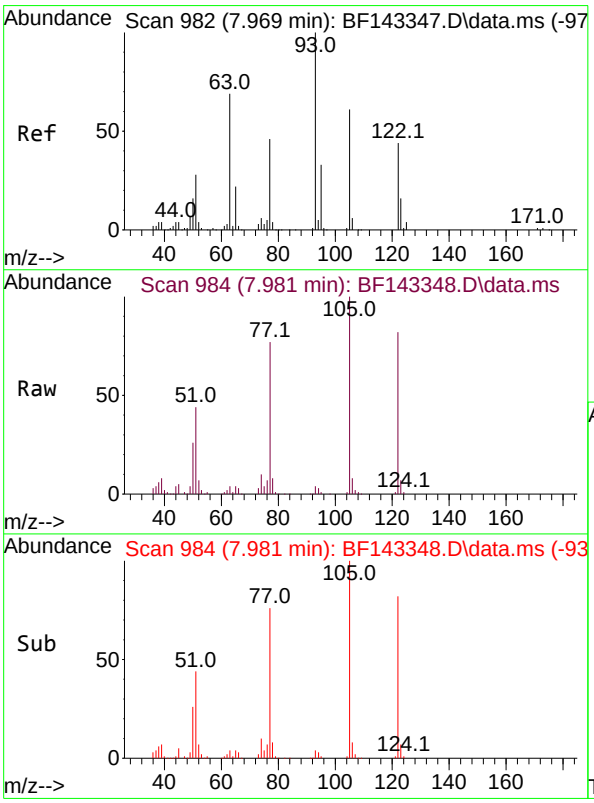
#31
Naphthalene
Concen: 46.809 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1431280

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.6	10.7	16.1

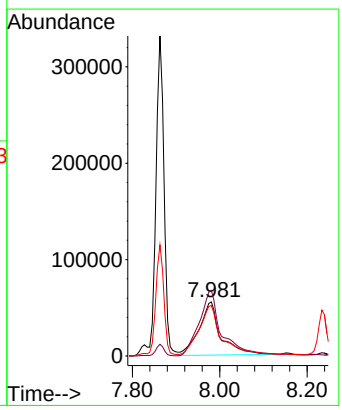


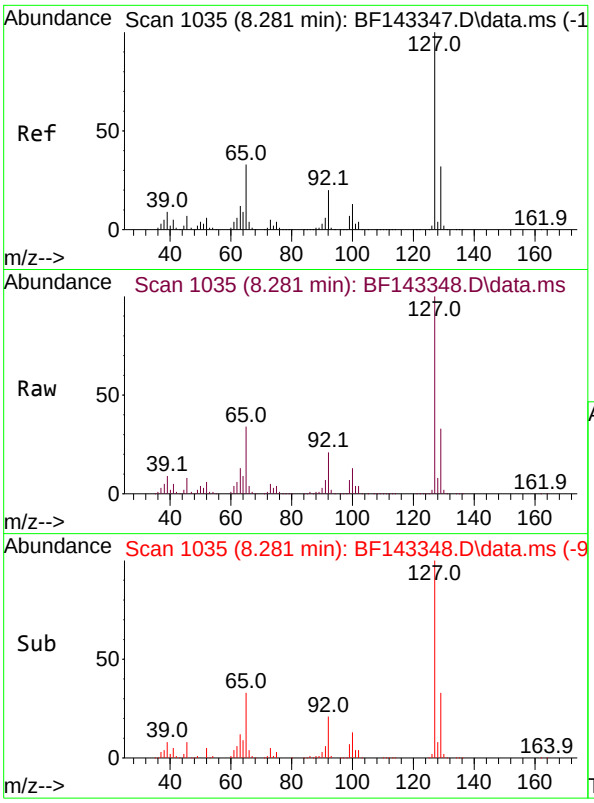


#32
Benzoic acid
Concen: 49.943 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:122 Resp: 191072

Ion	Ratio	Lower	Upper
122	100		
105	121.5	106.4	146.4
77	93.2	79.2	119.2



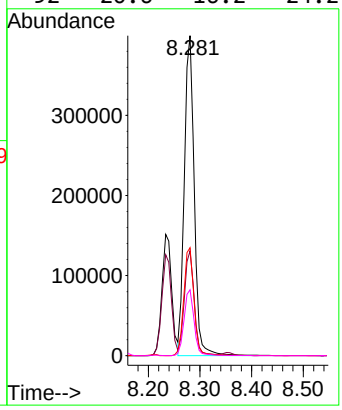


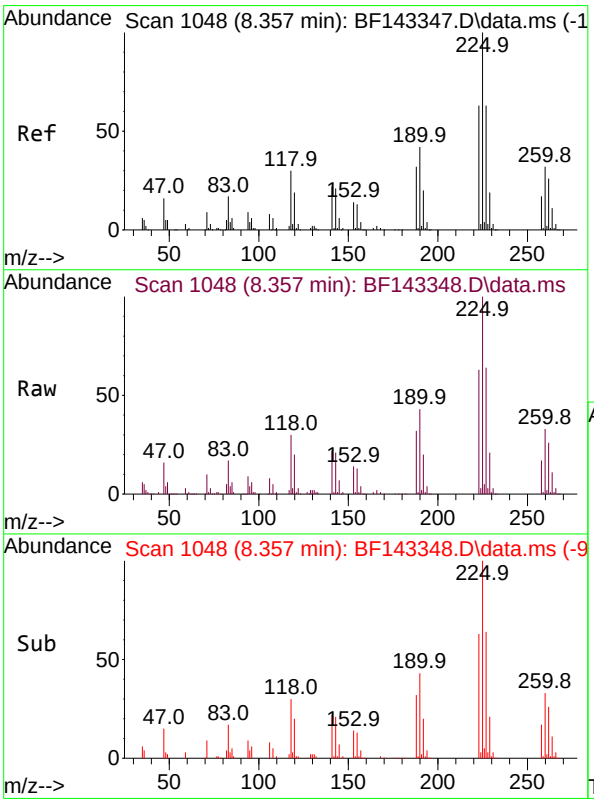
#33
4-Chloroaniline
Concen: 48.171 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 531257

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.0	39.0
65	33.7	27.0	40.4
92	20.6	16.2	24.2

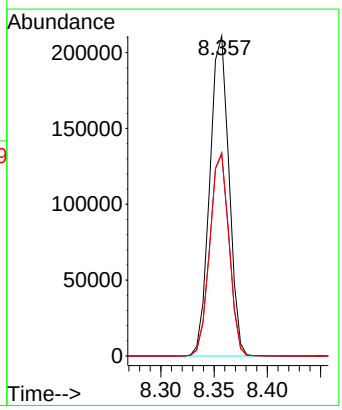


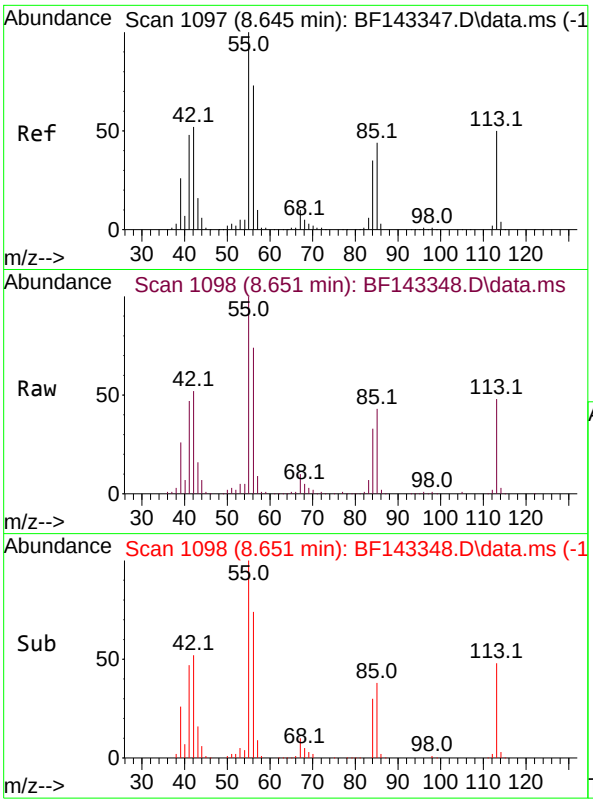


#34
Hexachlorobutadiene
Concen: 47.488 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:225 Resp: 264501

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.6	50.6	75.8



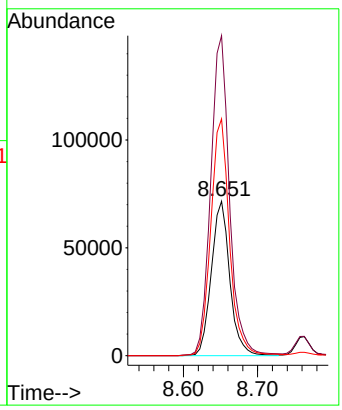


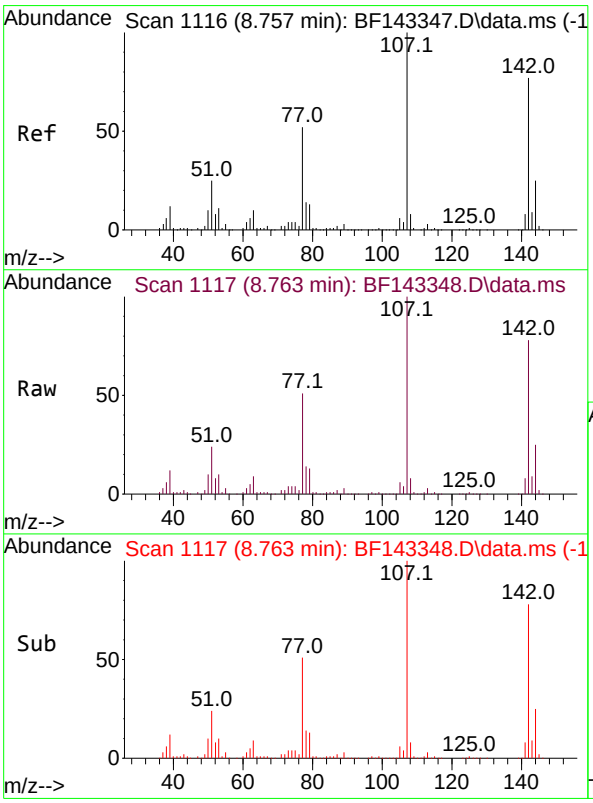
#35
Caprolactam
Concen: 51.952 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 123969

Ion	Ratio	Lower	Upper
113	100		
55	207.2	181.4	221.4
56	153.3	127.3	167.3

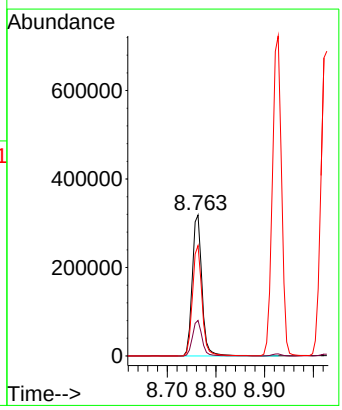


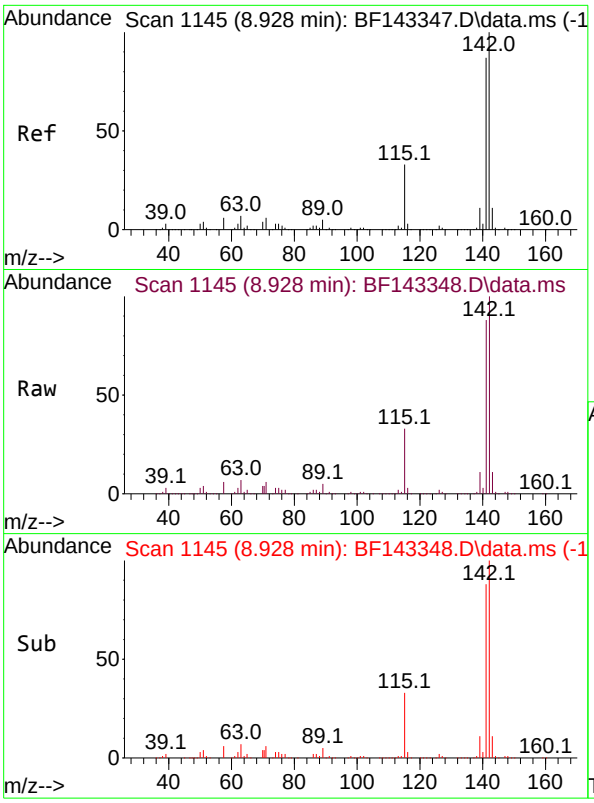


#36
4-Chloro-3-methylphenol
Concen: 49.741 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:107 Resp: 442622

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.0	30.0
142	78.4	61.3	91.9



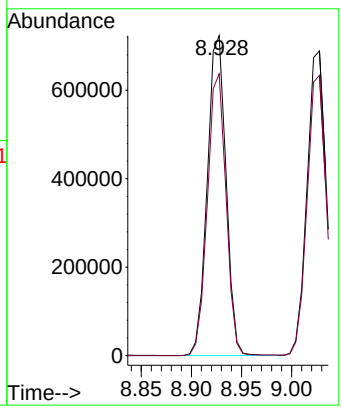


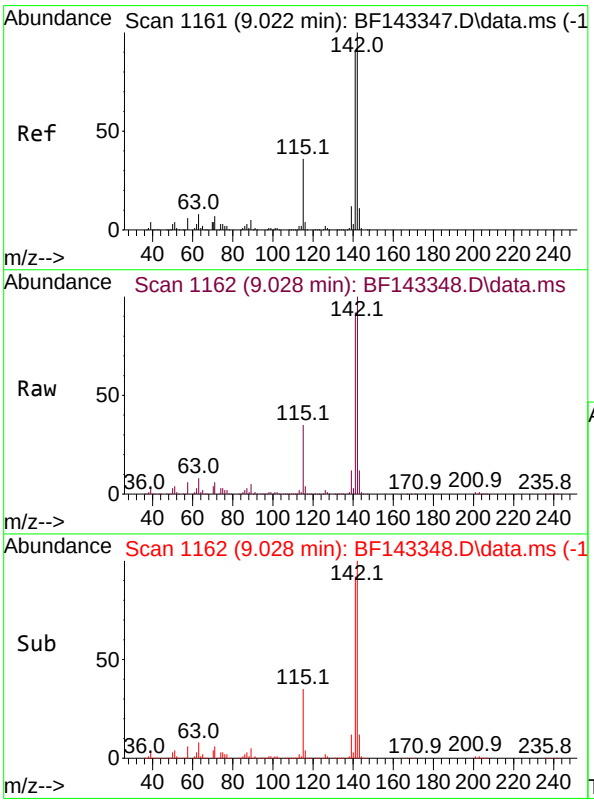
#37
2-Methylnaphthalene
Concen: 46.712 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 938982

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.8	104.8

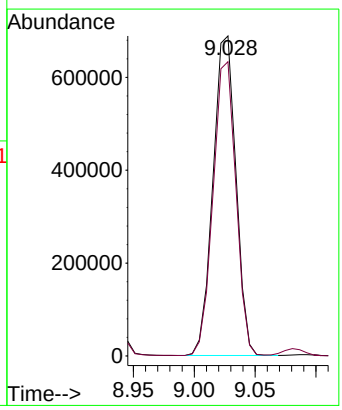


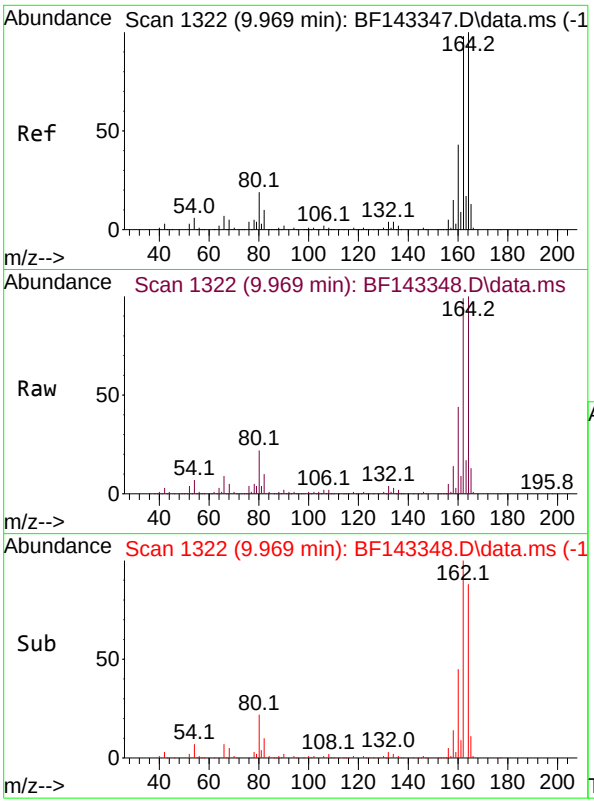


#38
1-Methylnaphthalene
Concen: 46.606 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:142 Resp: 902313

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.0	109.4



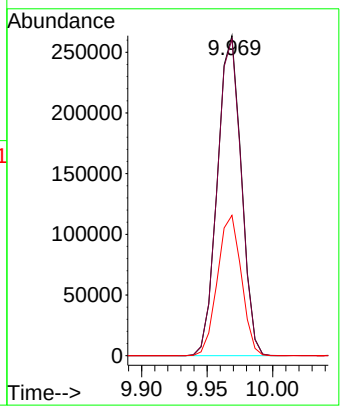


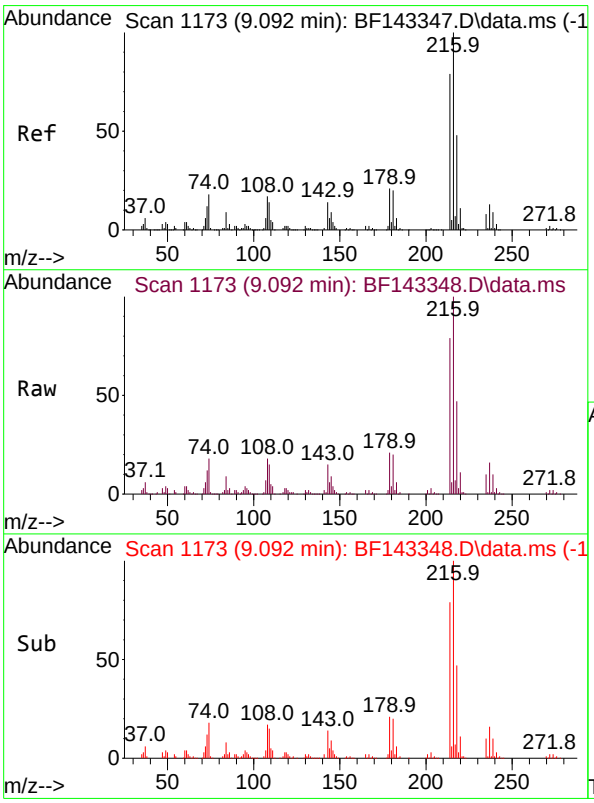
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 333763

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.6	118.0
160	43.8	34.4	51.6

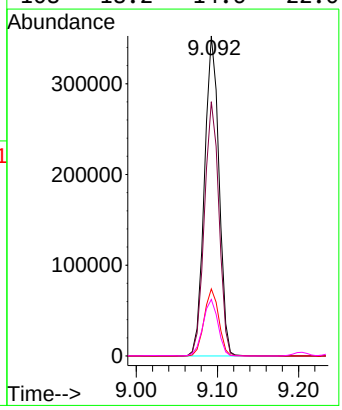


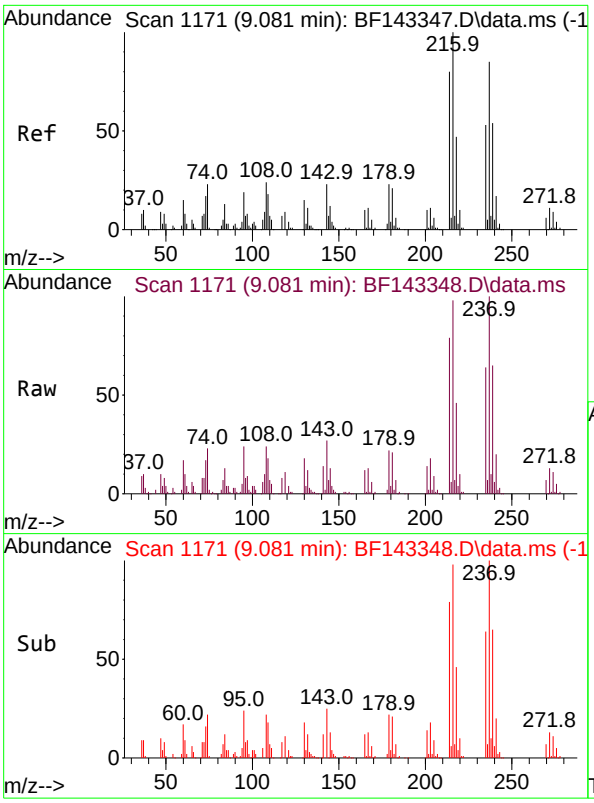


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.877 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:216 Resp: 437268

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.0	94.4
179	20.9	17.0	25.4
108	18.2	14.6	22.0



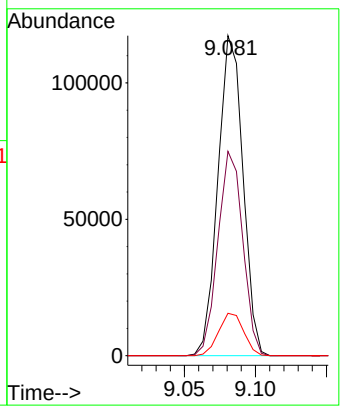


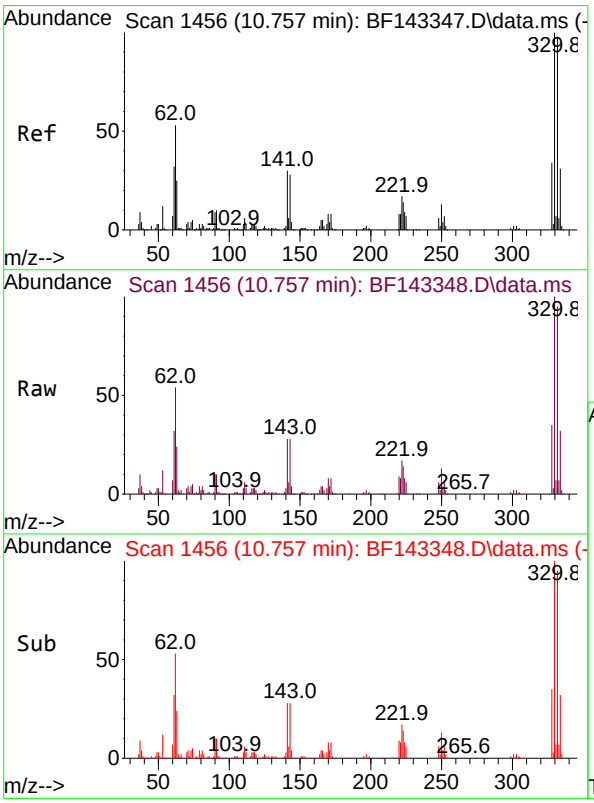
#41
Hexachlorocyclopentadiene
Concen: 47.474 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 143487

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.0	82.0
272	13.3	0.0	32.6

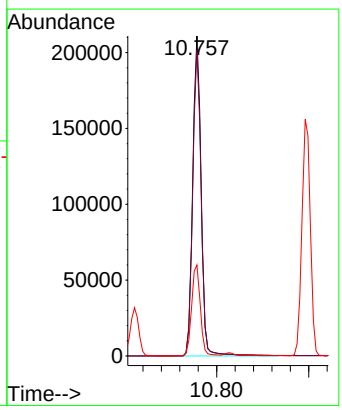


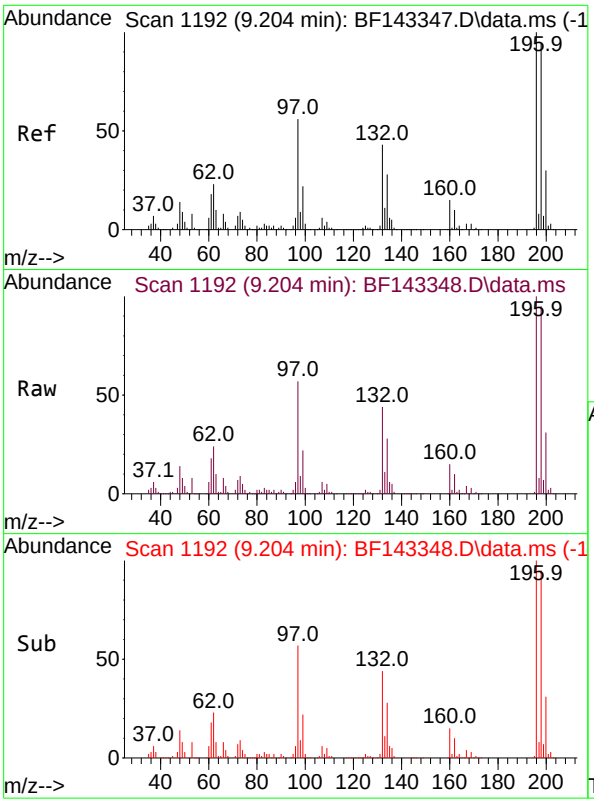


#42
2,4,6-Tribromophenol
Concen: 109.378 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:330 Resp: 266796

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.1	117.1
141	29.6	25.4	38.0



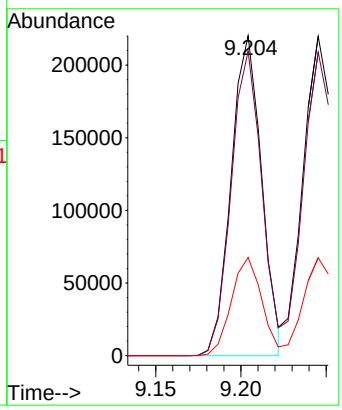


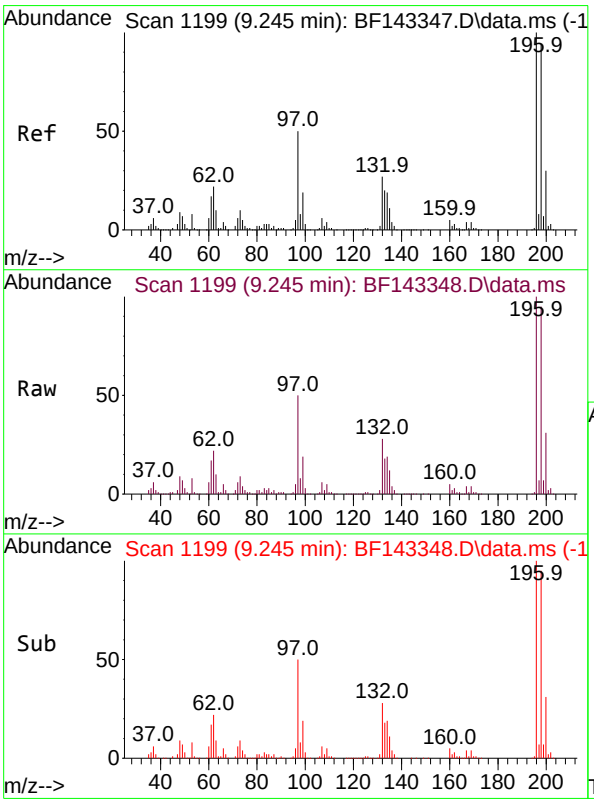
#43
2,4,6-Trichlorophenol
Concen: 52.773 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 273471

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.7	24.3	36.5

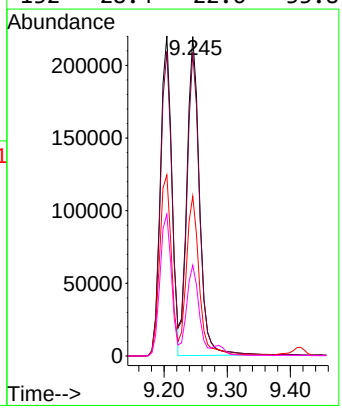


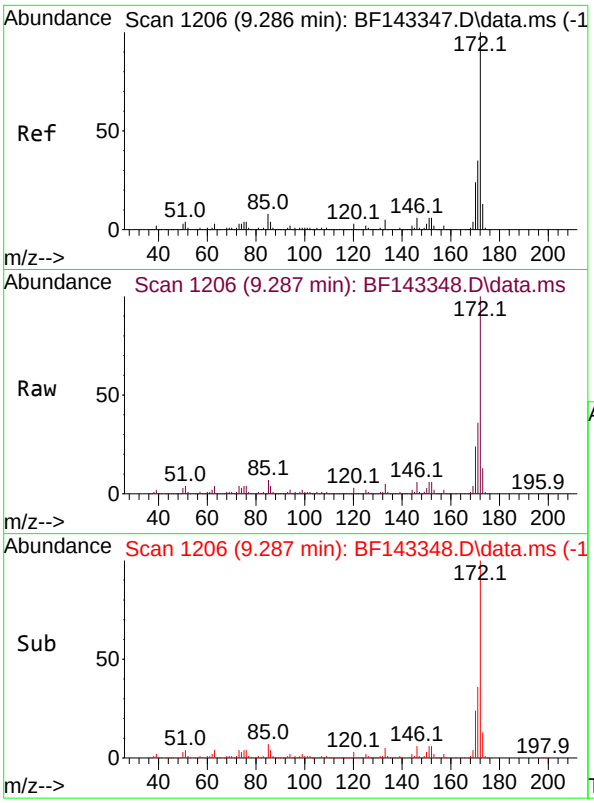


#44
2,4,5-Trichlorophenol
Concen: 51.948 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:196 Resp: 303993

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
97	50.0	39.9	59.9
132	28.4	22.6	33.8



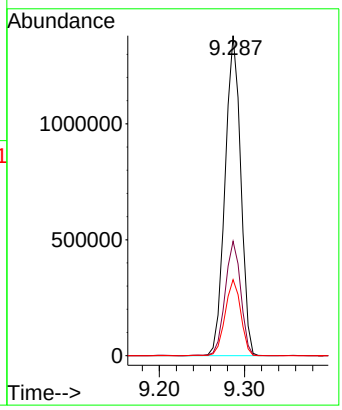


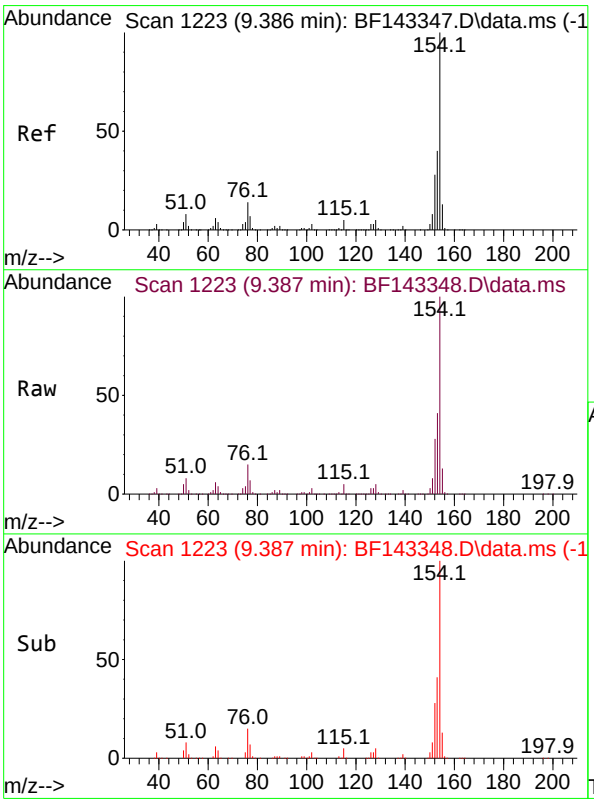
#45
2-Fluorobiphenyl
Concen: 89.893 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1769302

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.8	19.1	28.7

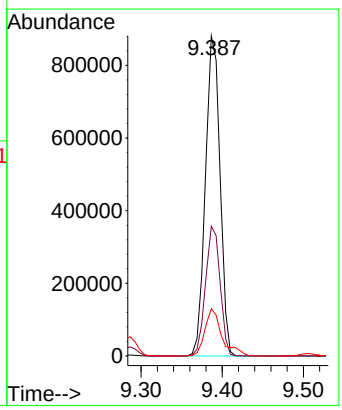


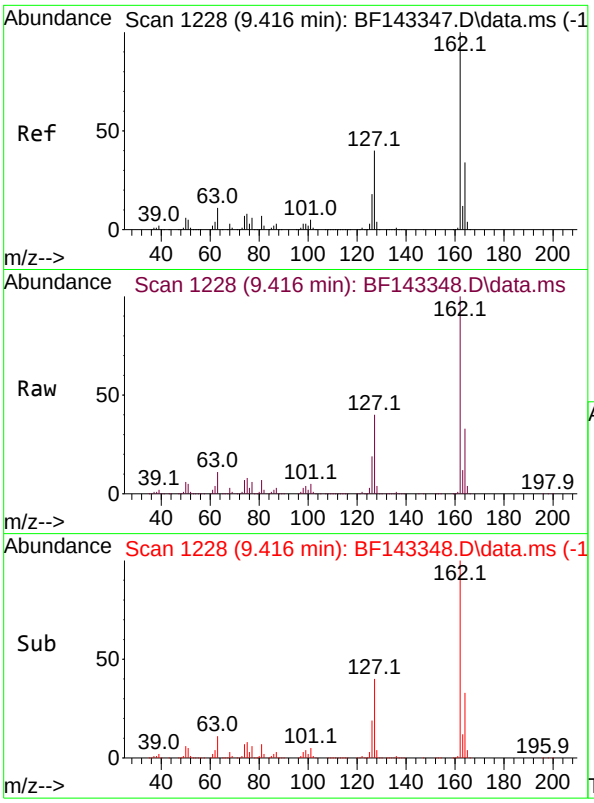


#46
1,1'-Biphenyl
Concen: 46.558 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:154 Resp: 1098727

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.2	60.2
76	14.8	0.0	34.4



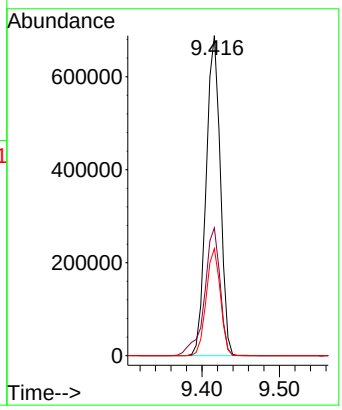


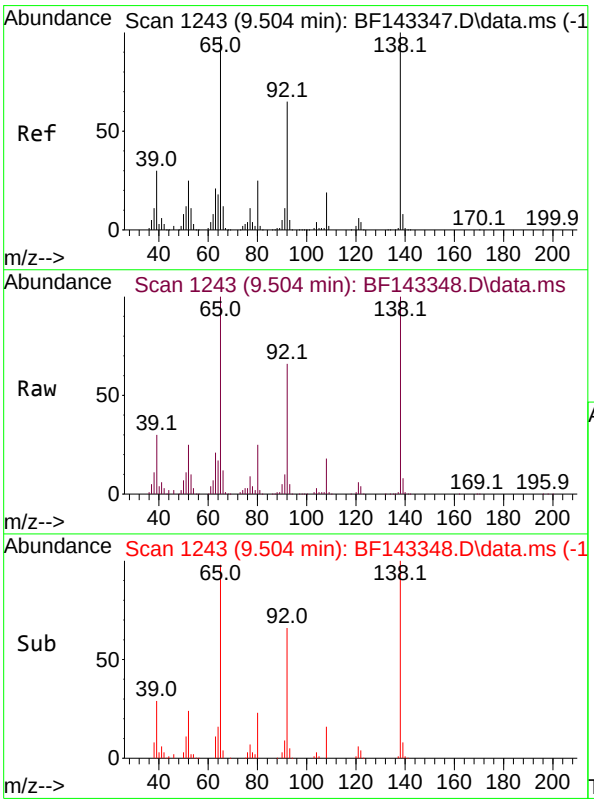
#47
2-Chloronaphthalene
Concen: 46.944 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 872497

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	33.5	27.0	40.4

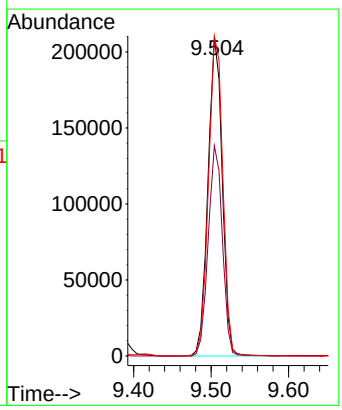


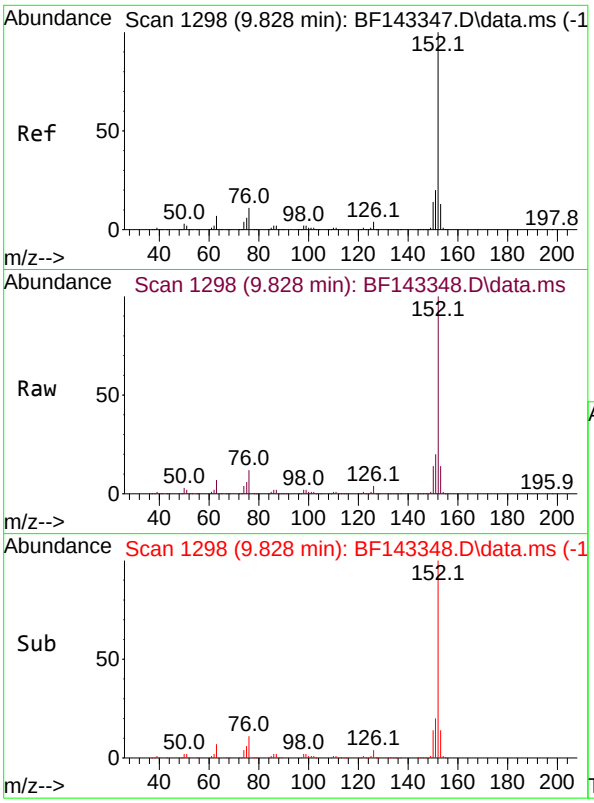


#48
2-Nitroaniline
Concen: 49.816 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 65 Resp: 267630

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.1	79.7
138	100.4	81.4	122.0



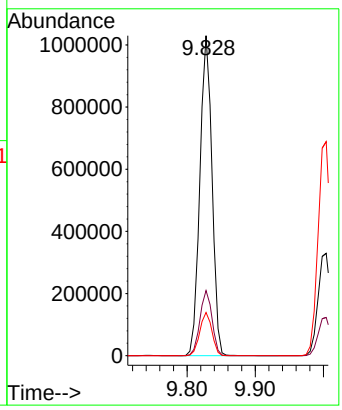


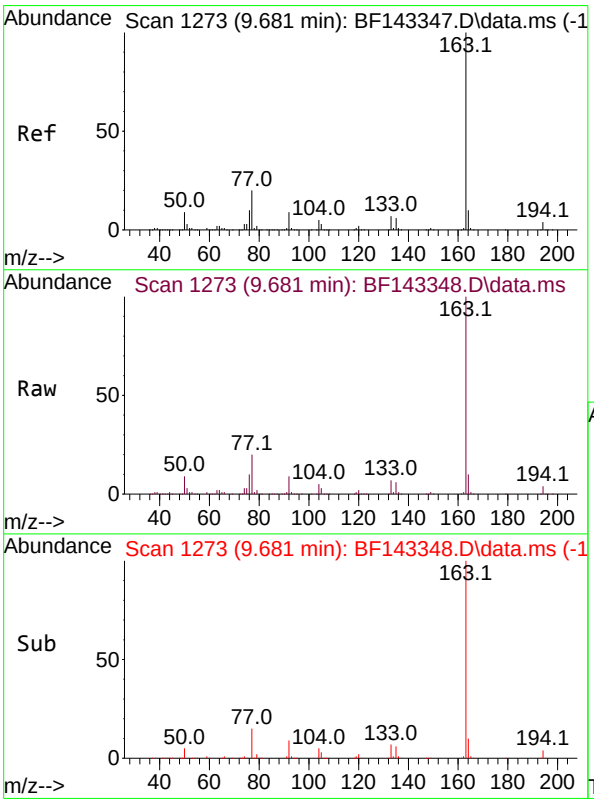
#49
Acenaphthylene
Concen: 47.424 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1272878

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.5	10.6	16.0

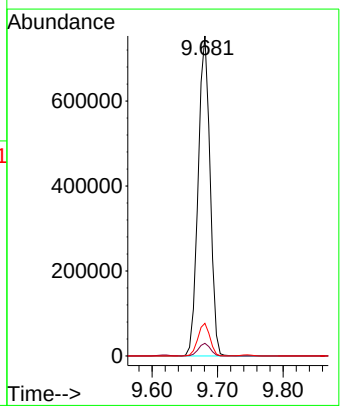


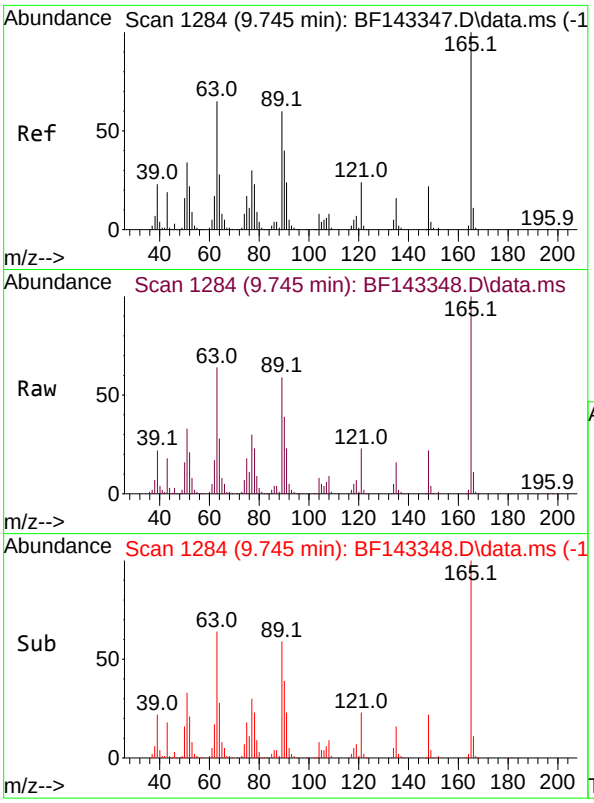


#50
Dimethylphthalate
Concen: 48.946 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:163 Resp: 954560

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2



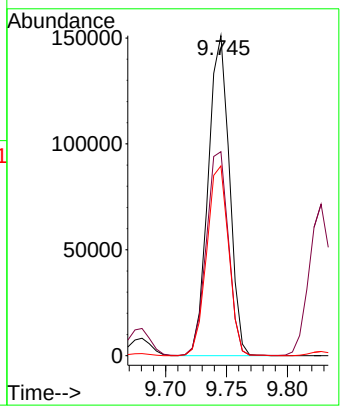


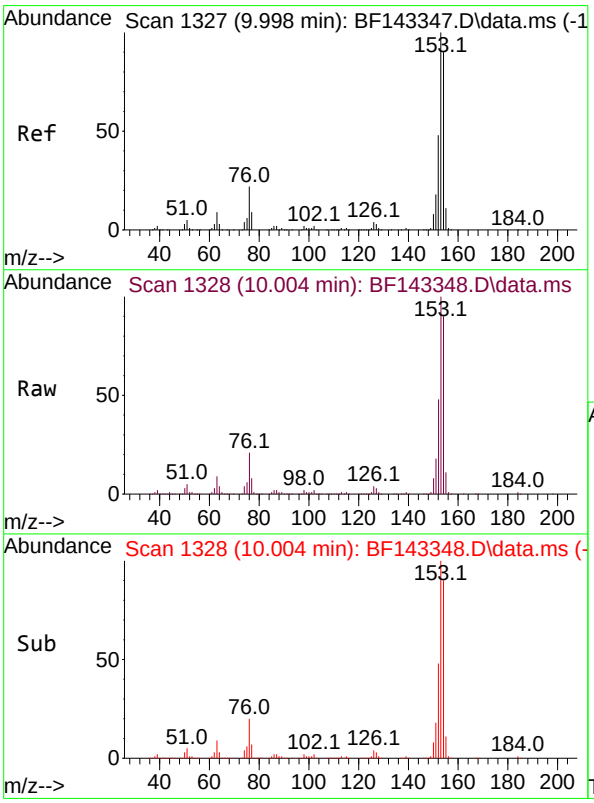
#51
2,6-Dinitrotoluene
Concen: 49.400 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 182648

Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.6	77.4
89	59.3	47.7	71.5

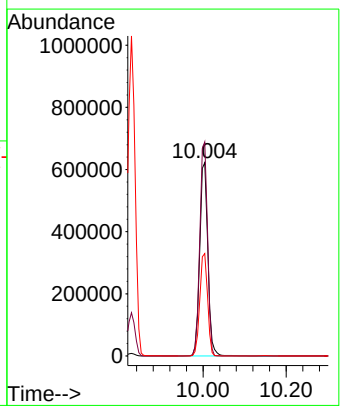


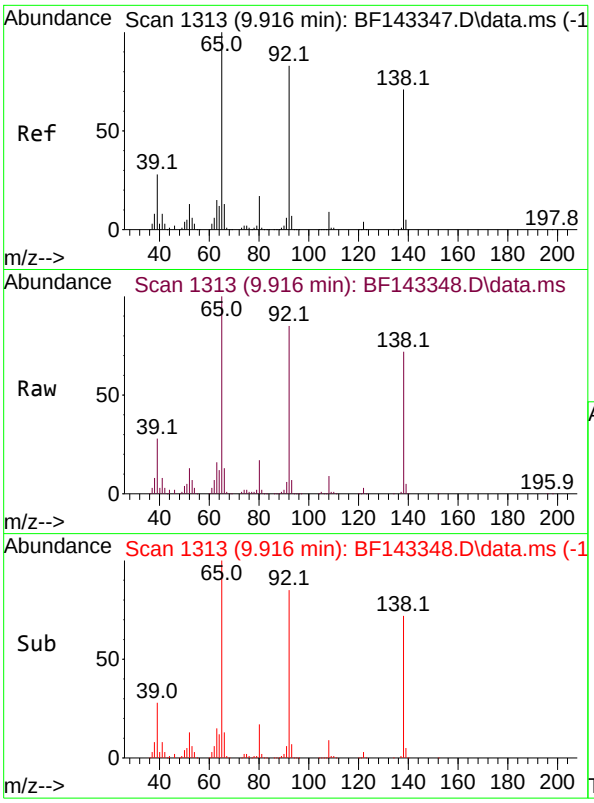


#52
Acenaphthene
Concen: 47.334 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:154 Resp: 844612

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.5	132.7
152	53.0	42.4	63.6



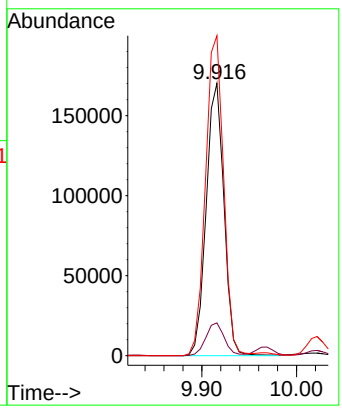


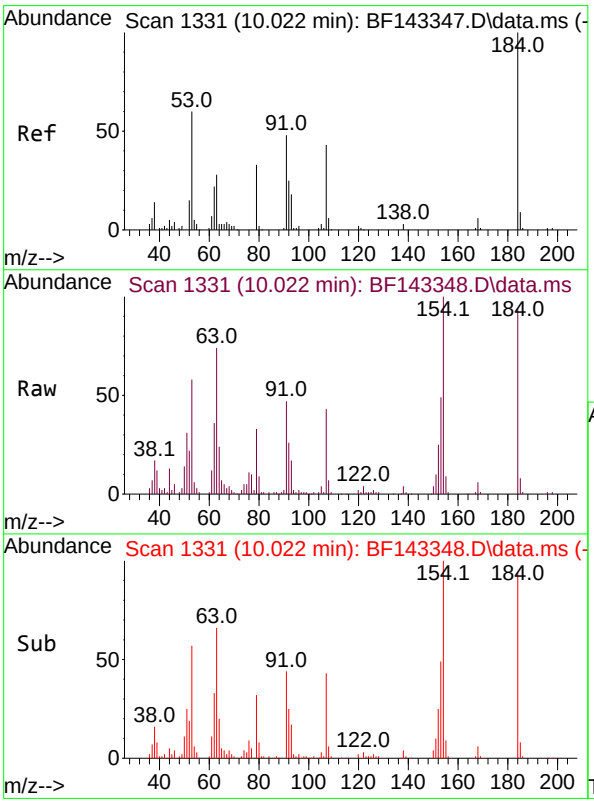
#53
3-Nitroaniline
Concen: 55.316 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 220926

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.6	14.4
92	117.5	93.4	140.2

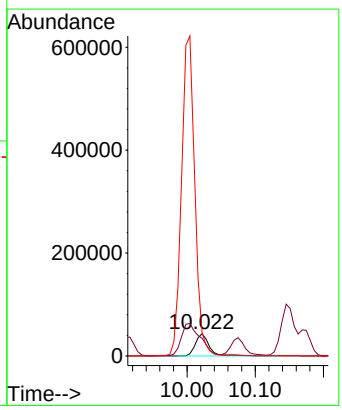


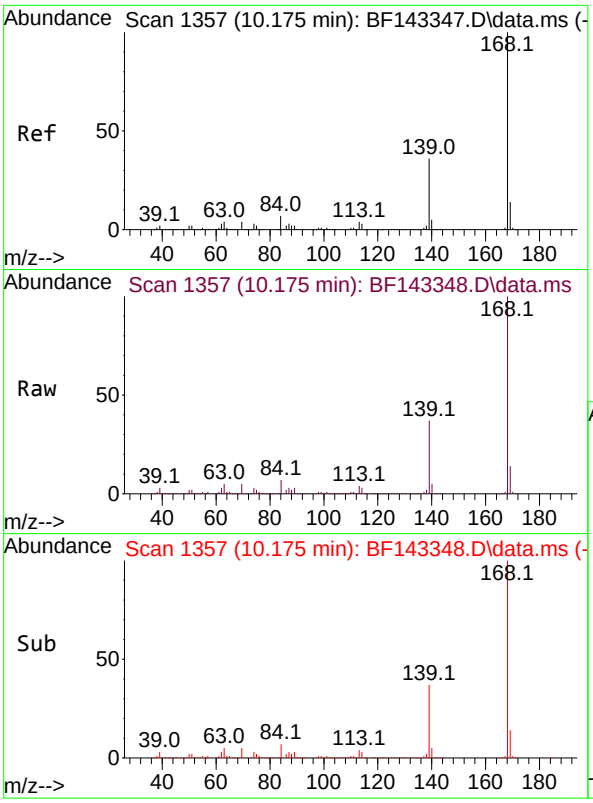


#54
2,4-Dinitrophenol
Concen: 49.460 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:184 Resp: 61169

Ion	Ratio	Lower	Upper
184	100		
63	79.2	62.5	93.7
154	106.6	73.0	109.4



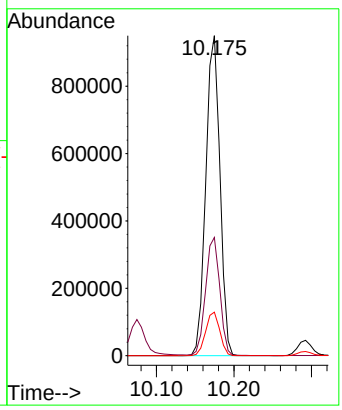


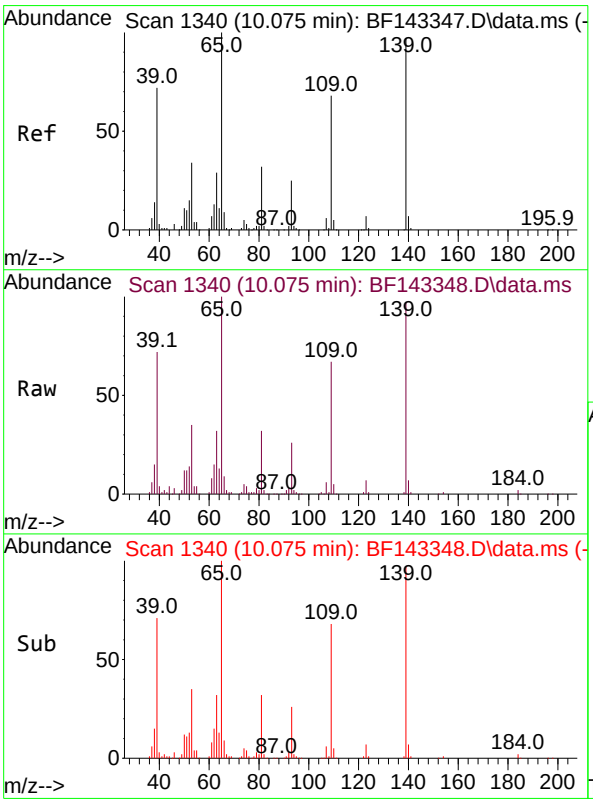
#55
Dibenzofuran
Concen: 46.725 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1199947

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.4	44.0
169	13.6	11.0	16.6

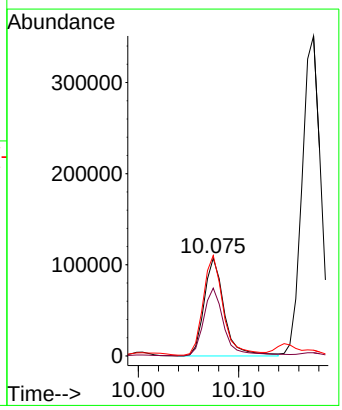


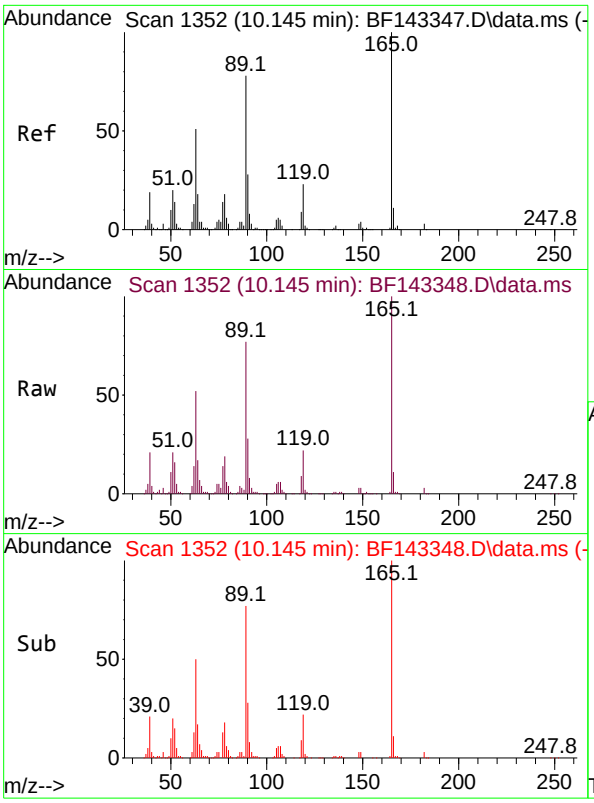


#56
4-Nitrophenol
Concen: 49.286 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 150114

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	102.9	83.7	123.7



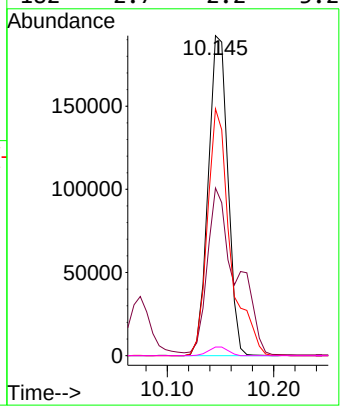


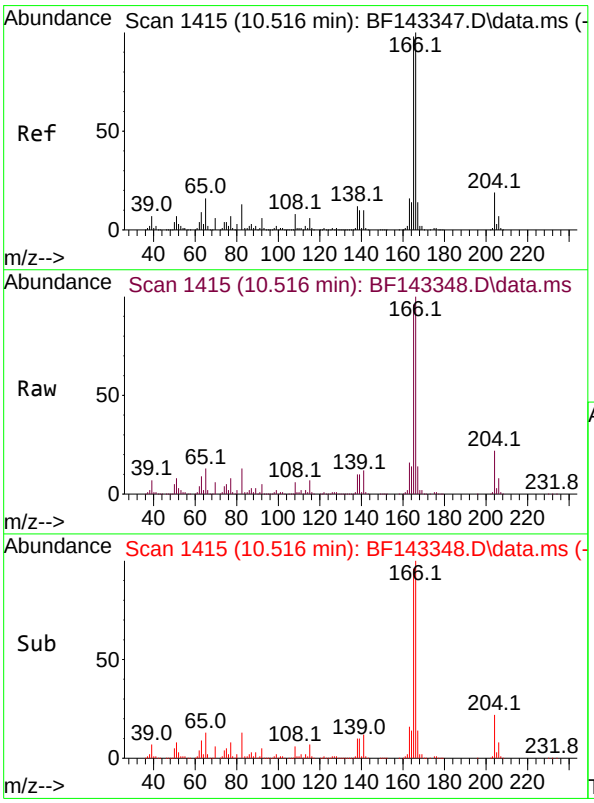
#57
2,4-Dinitrotoluene
Concen: 50.215 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 246635

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.8	62.8
89	77.1	62.4	93.6
182	2.7	2.2	3.2

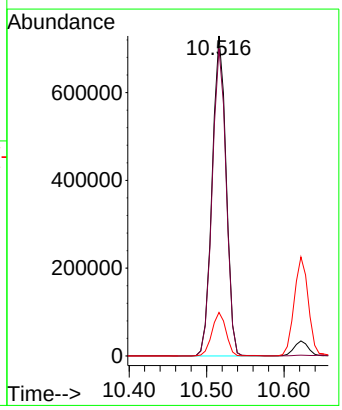


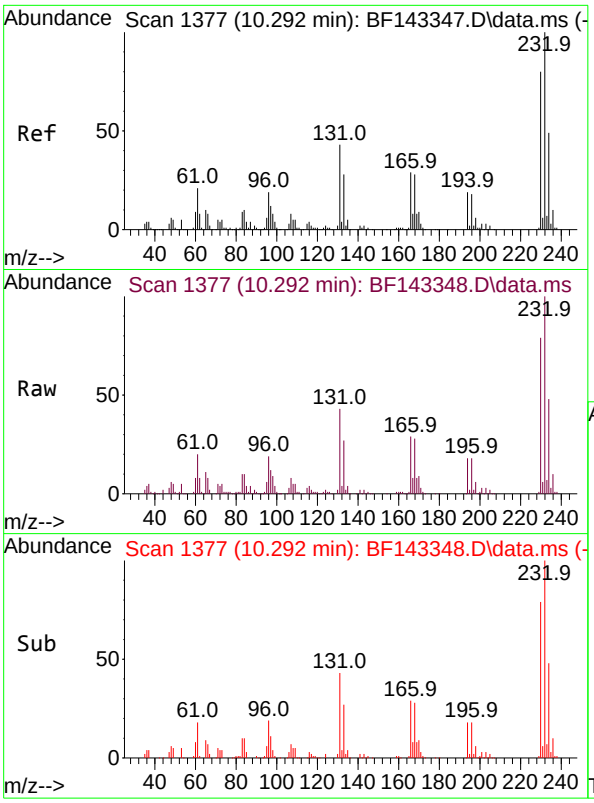


#58
Fluorene
Concen: 46.411 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:166 Resp: 910380

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	13.6	10.9	16.3



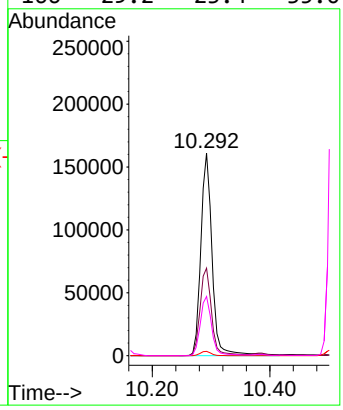


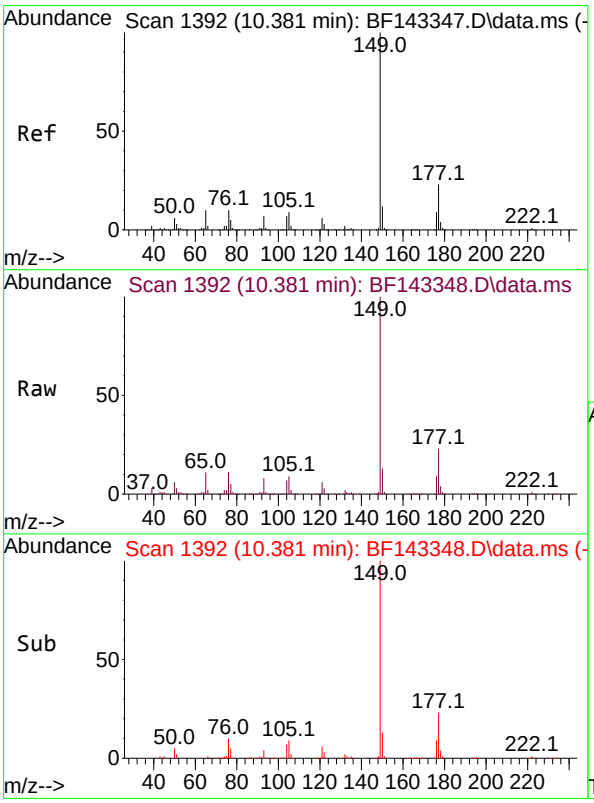
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.543 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 215158

Ion	Ratio	Lower	Upper
232	100		
131	43.7	34.6	51.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

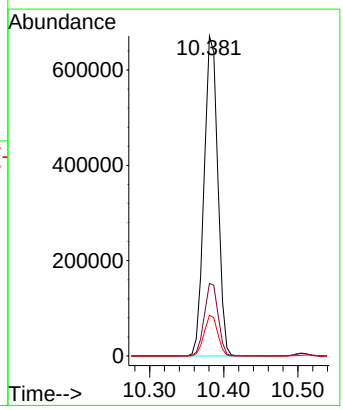


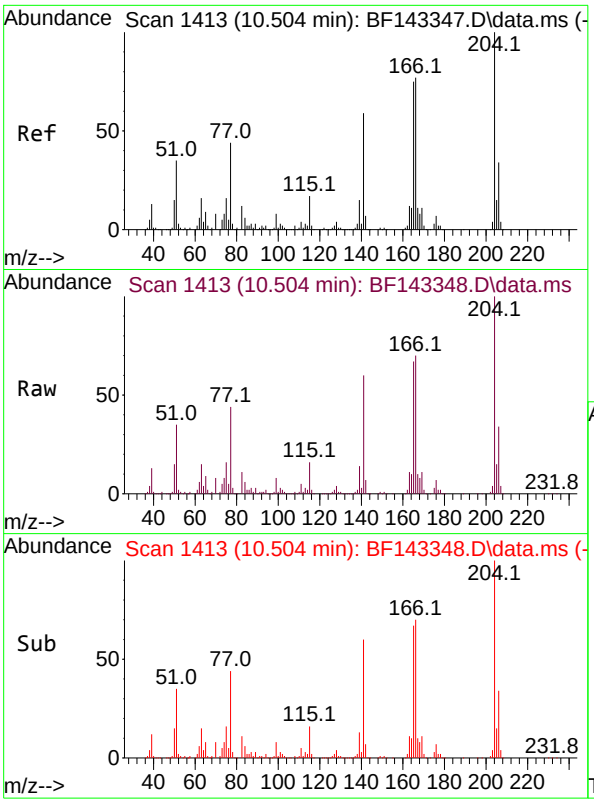


#60
Diethylphthalate
Concen: 49.540 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 865395

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.7	9.9	14.9



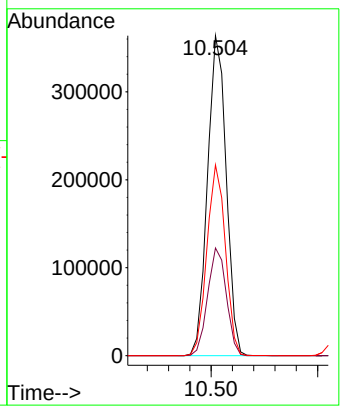


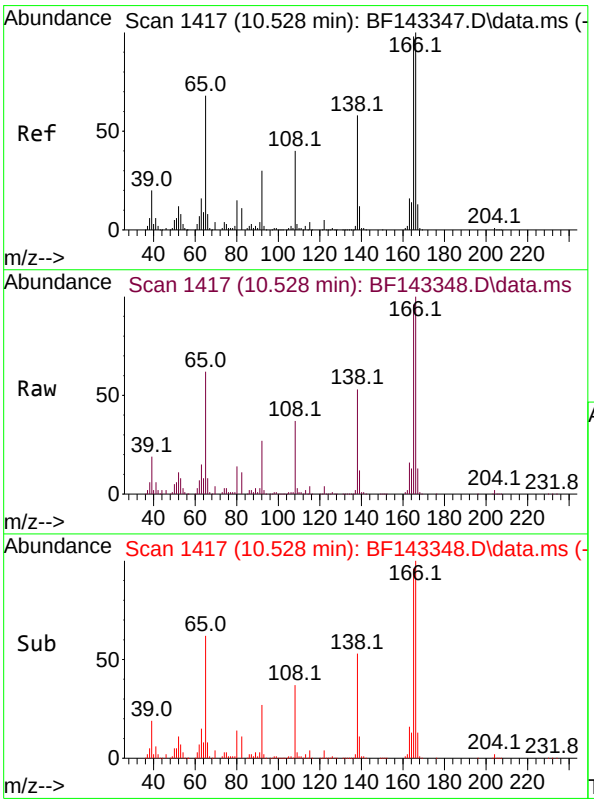
#61
4-Chlorophenyl-phenylether
Concen: 46.885 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 444383

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.4	41.2
141	59.6	46.9	70.3

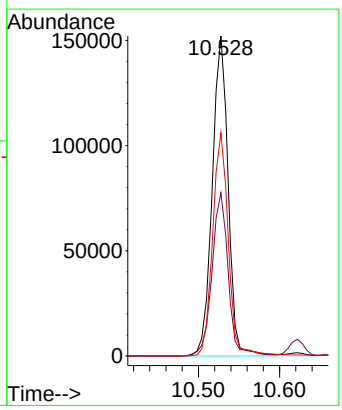


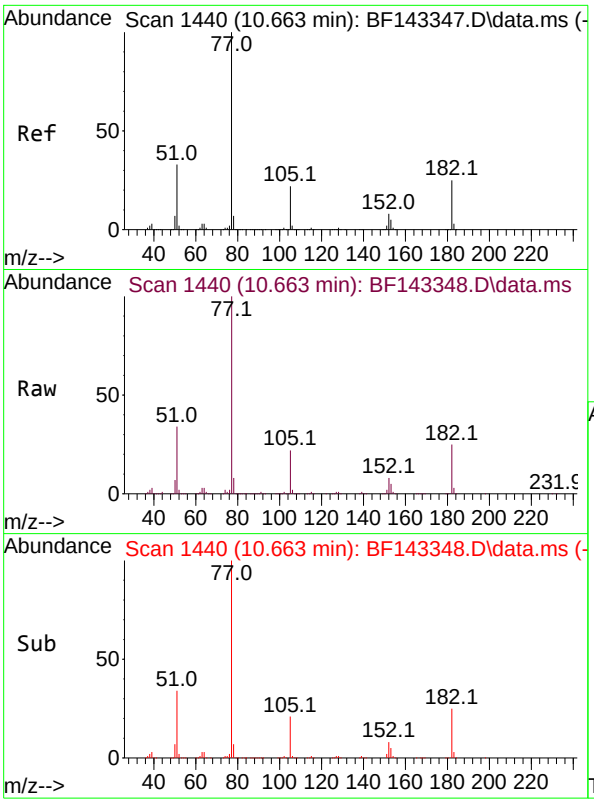


#62
4-Nitroaniline
Concen: 53.618 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:138 Resp: 207188

Ion	Ratio	Lower	Upper
138	100		
92	51.0	31.2	71.2
108	69.7	48.1	88.1



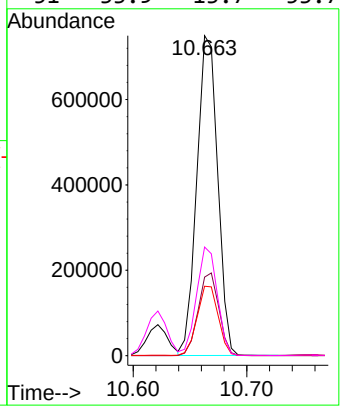


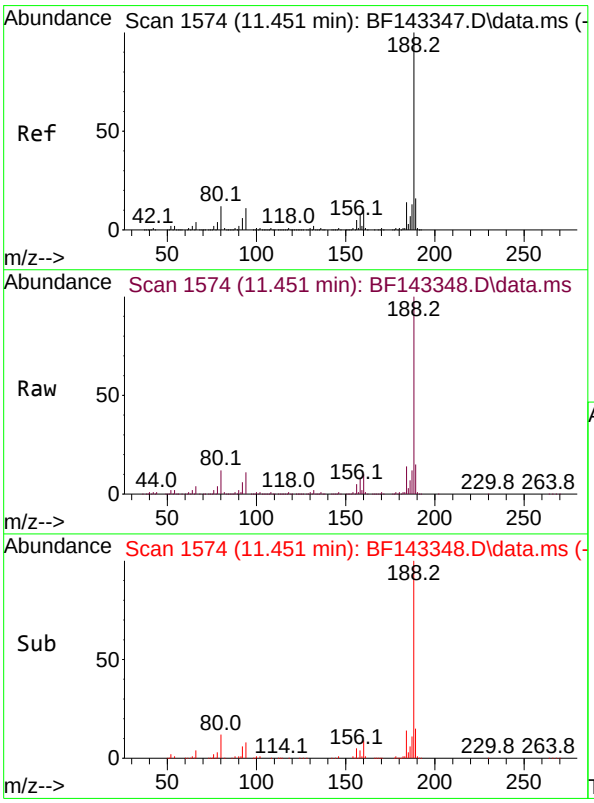
#63
Azobenzene
Concen: 47.978 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 957306

Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.4	44.4
105	21.7	1.8	41.8
51	33.9	13.7	53.7

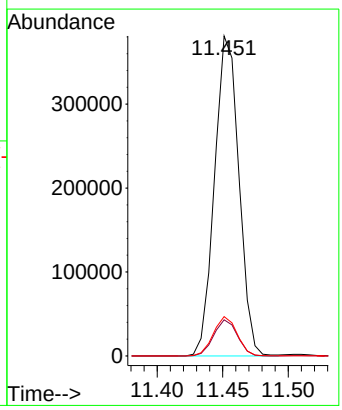


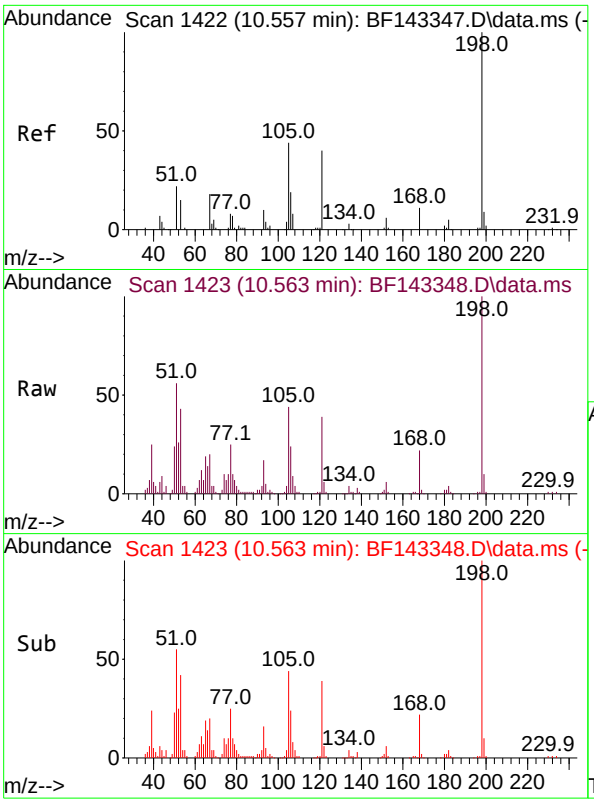


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:188 Resp: 492512

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.8	13.2
80	12.3	9.7	14.5



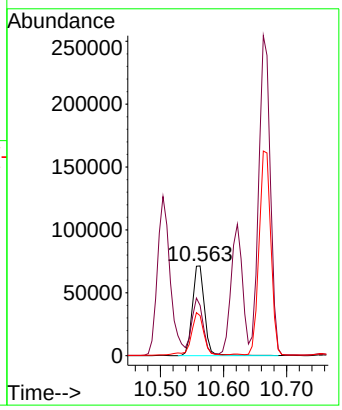


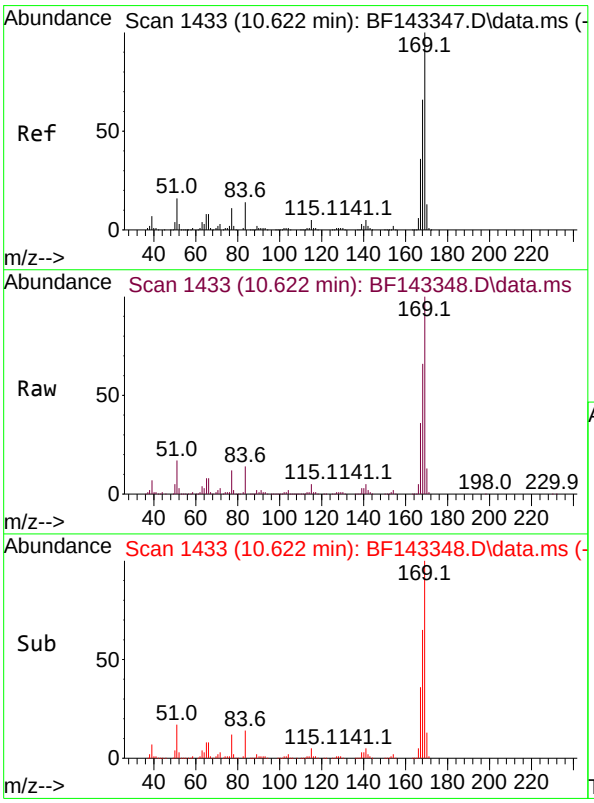
#65
4,6-Dinitro-2-methylphenol
Concen: 47.856 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 95307

Ion	Ratio	Lower	Upper
198	100		
51	56.0	41.7	81.7
105	44.5	26.8	66.8

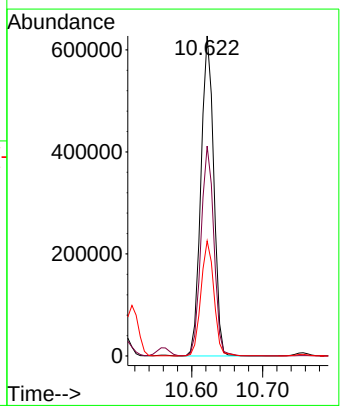


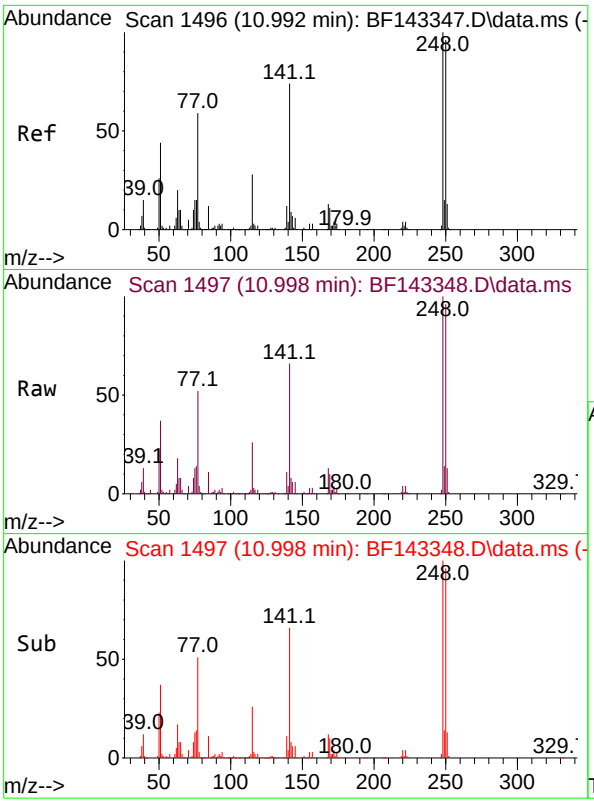


#66
n-Nitrosodiphenylamine
Concen: 48.549 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:169 Resp: 787342

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.7	79.1
167	36.0	28.6	42.8



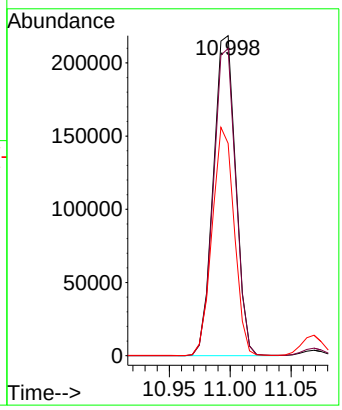


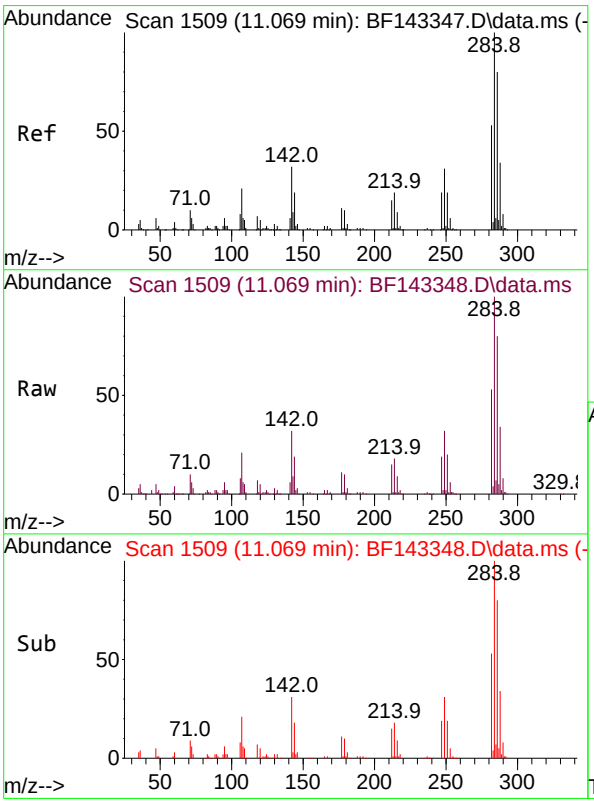
#67
4-Bromophenyl-phenylether
Concen: 49.660 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 279724

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.1	115.7
141	66.3	59.1	88.7

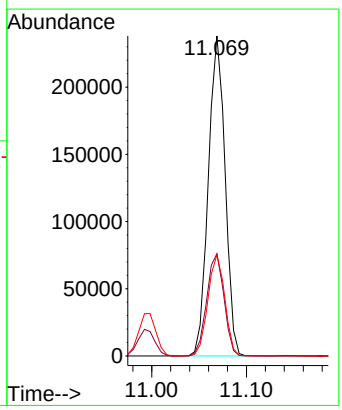


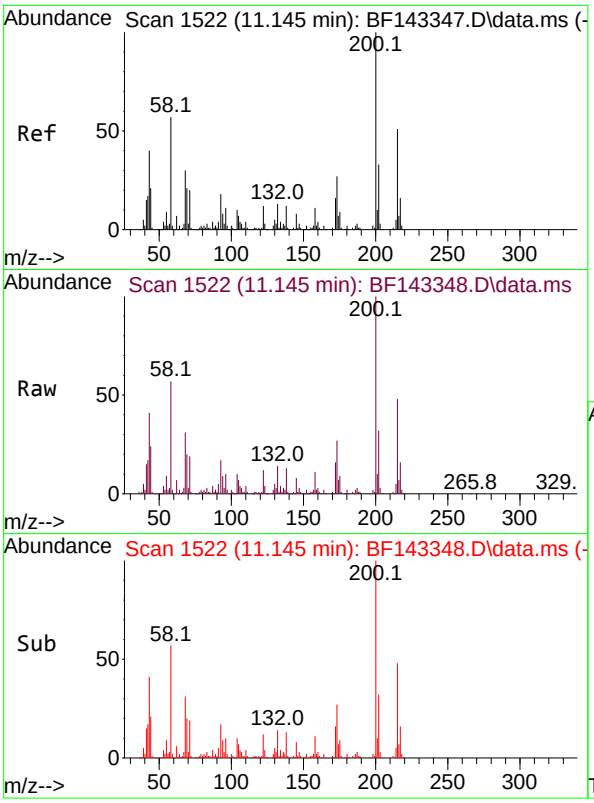


#68
Hexachlorobenzene
Concen: 48.079 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:284 Resp: 291915

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.7	38.5
249	31.6	24.6	37.0



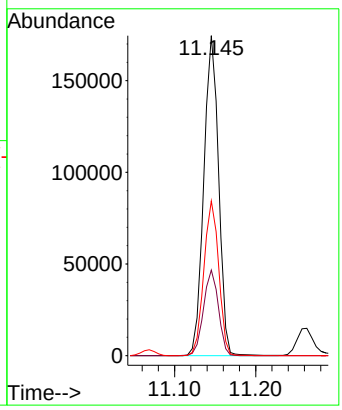


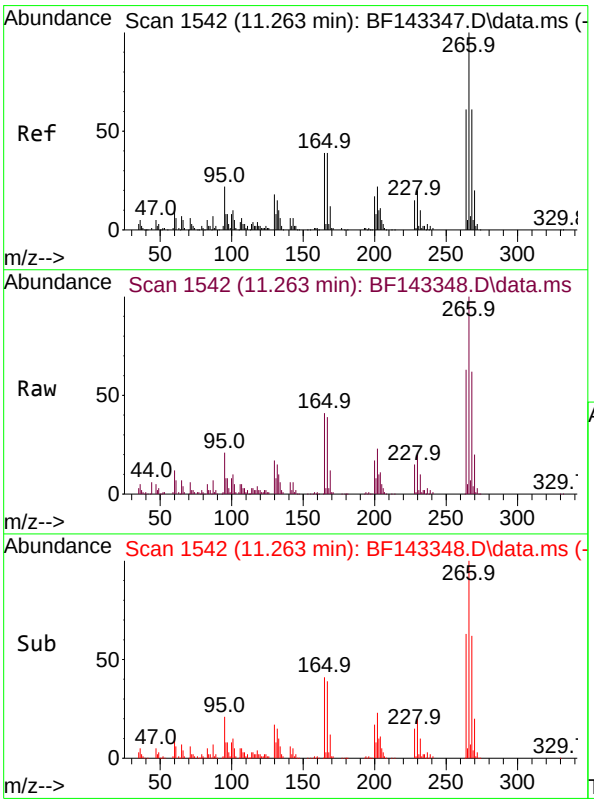
#69
Atrazine
Concen: 52.254 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 221025

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	48.4	30.6	70.6

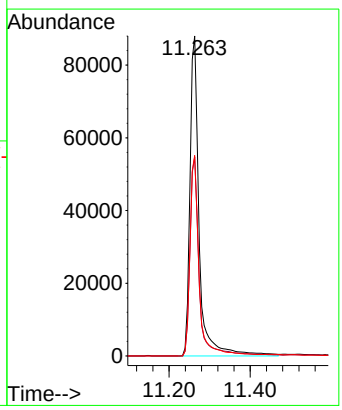


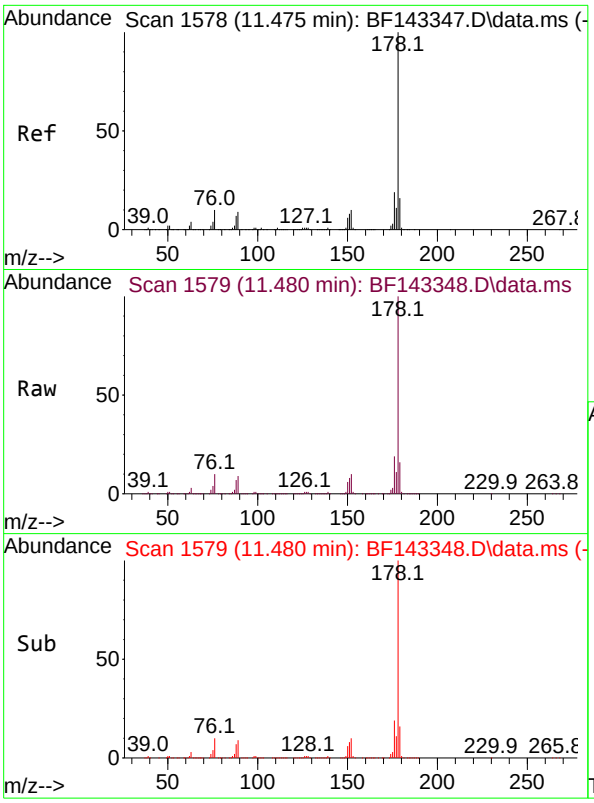


#70
Pentachlorophenol
Concen: 49.342 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:266 Resp: 139359

Ion	Ratio	Lower	Upper
266	100		
268	62.2	48.8	73.2
264	62.6	48.8	73.2



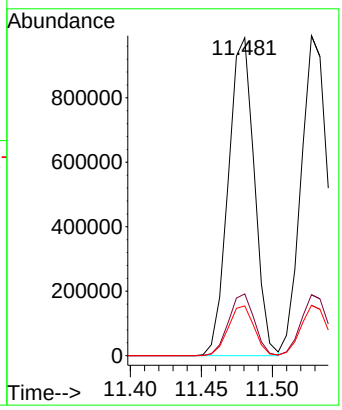


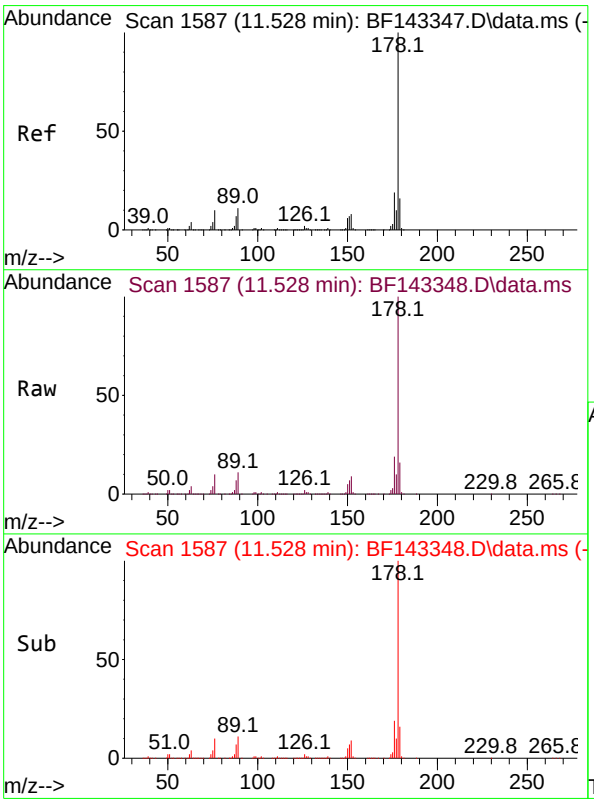
#71
Phenanthrene
Concen: 46.830 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1258386

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.5	18.7

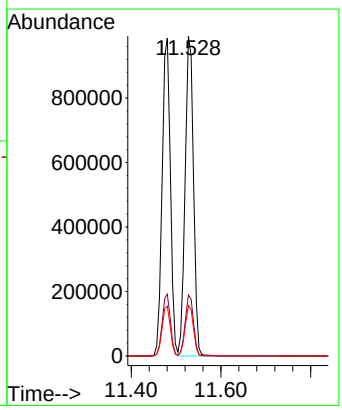


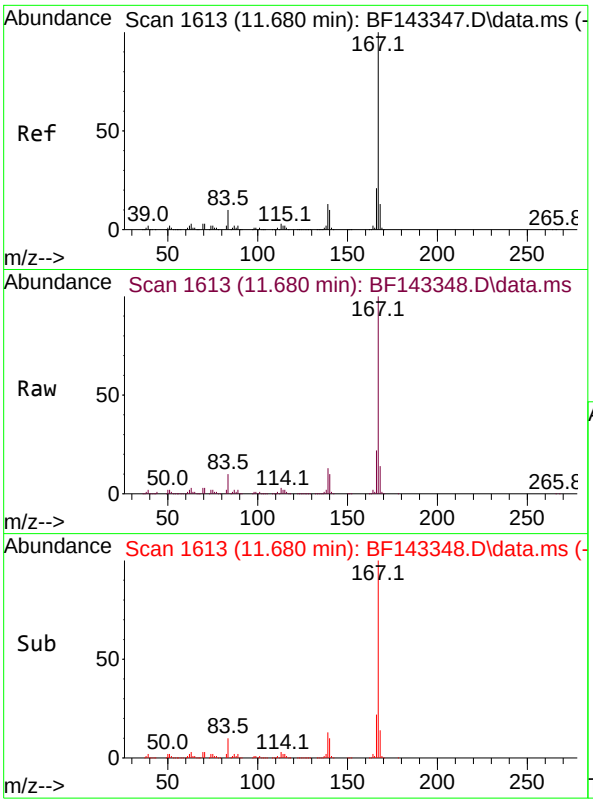


#72
Anthracene
Concen: 47.123 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:178 Resp: 1284165

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.8	12.7	19.1



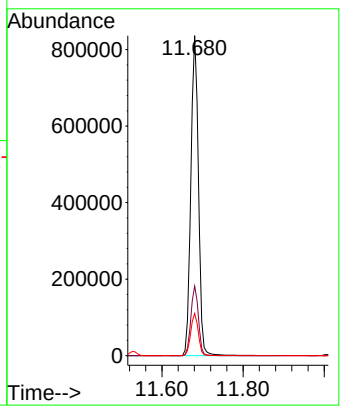


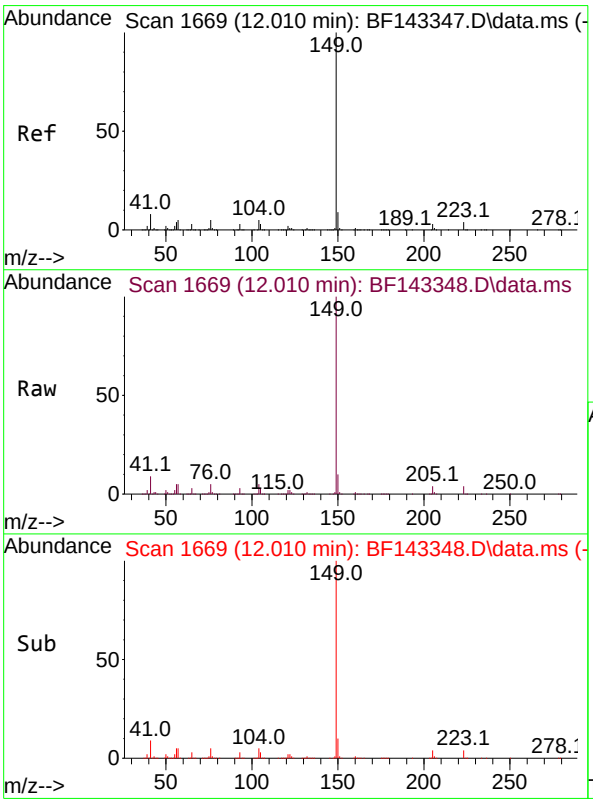
#73
Carbazole
Concen: 46.654 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1082772

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	13.2	10.2	15.2

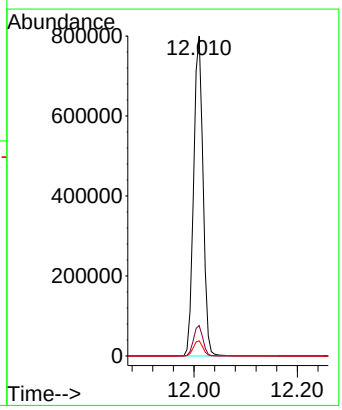


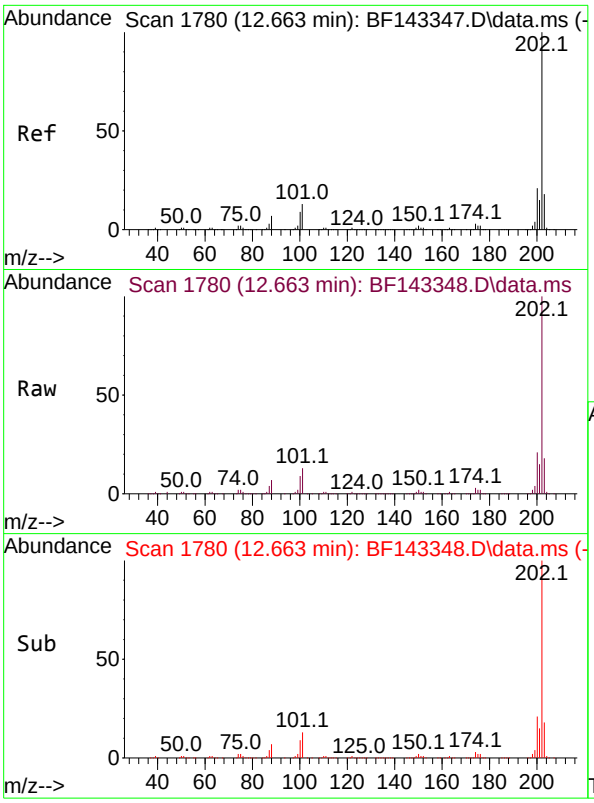


#74
Di-n-butylphthalate
Concen: 51.345 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 1008389

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	4.8	3.8	5.8



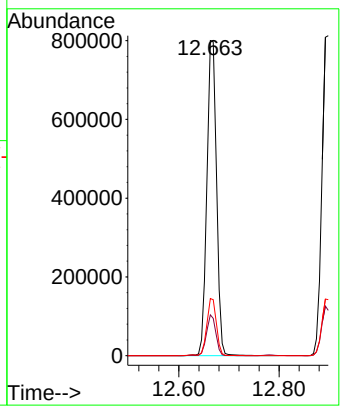


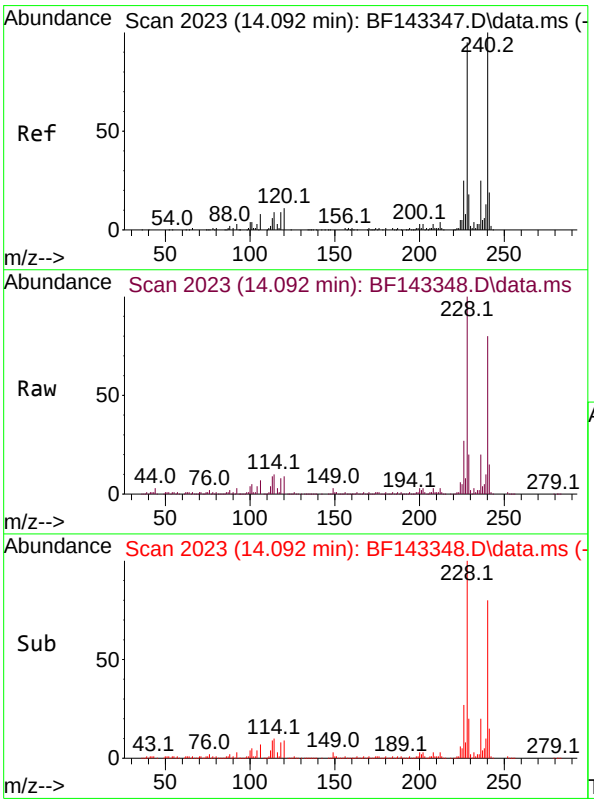
#75
Fluoranthene
Concen: 45.641 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1074315

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	18.1	0.0	37.6

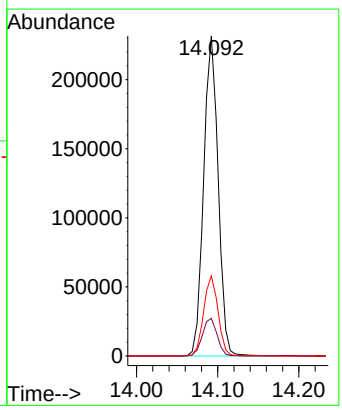


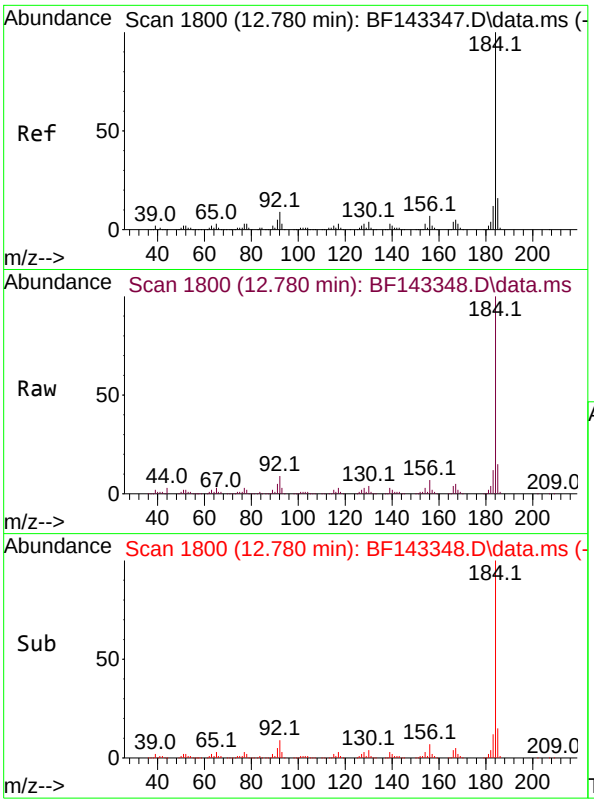


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:240 Resp: 286106

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.0	19.9	29.9



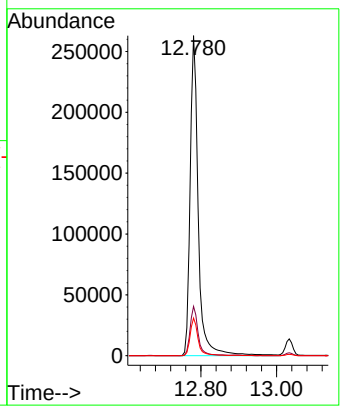


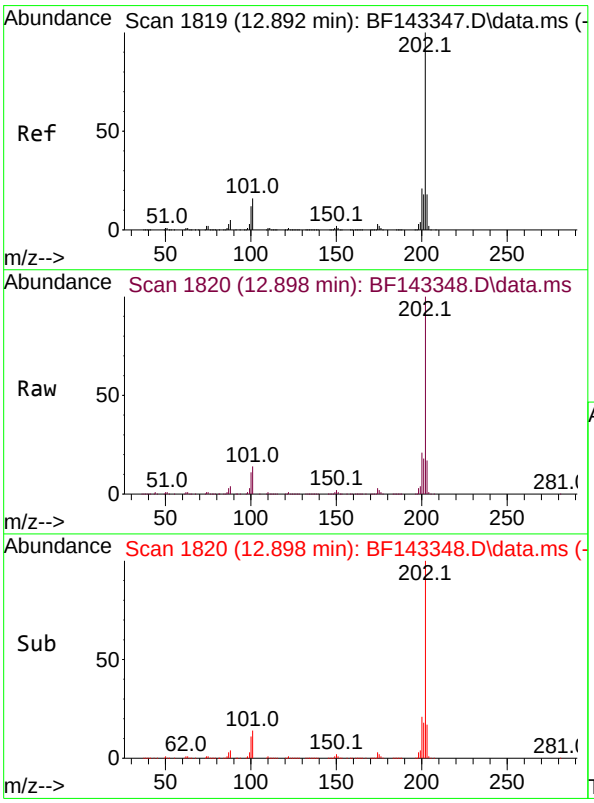
#77
Benzidine
Concen: 50.186 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 392548

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.8	19.2
183	11.7	9.3	13.9

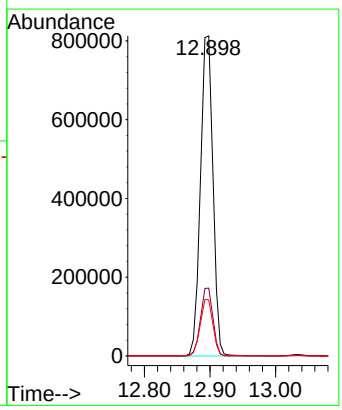


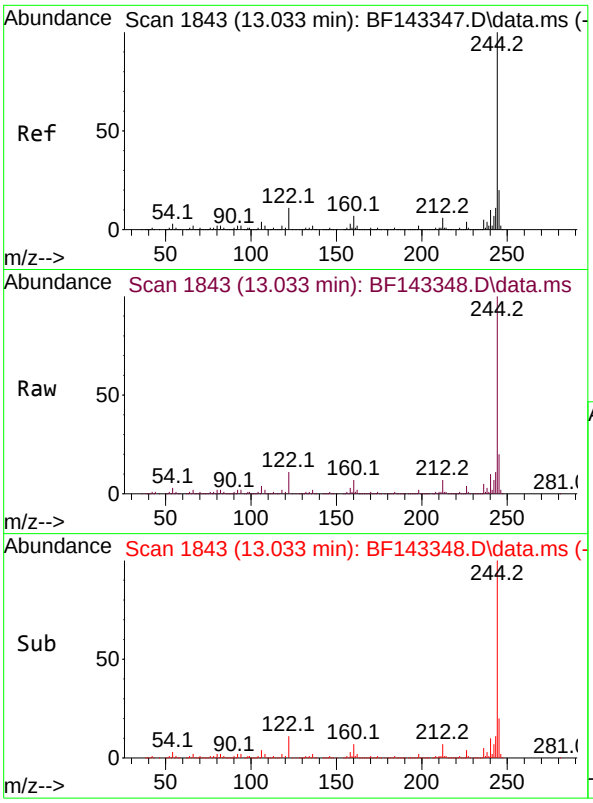


#78
Pyrene
Concen: 45.078 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:202 Resp: 1081940

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	14.2	21.4



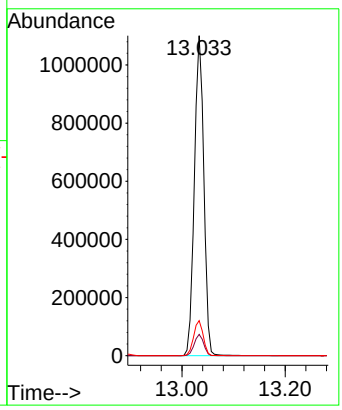


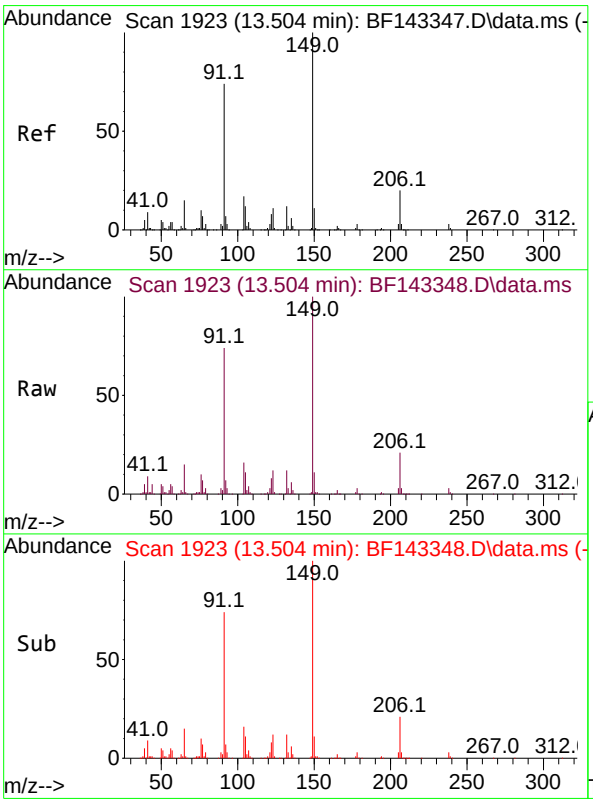
#79
Terphenyl-d14
Concen: 87.090 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1395642

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	10.9	8.9	13.3

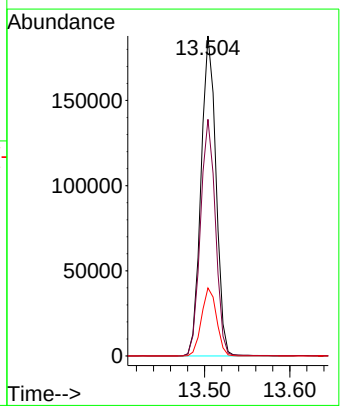


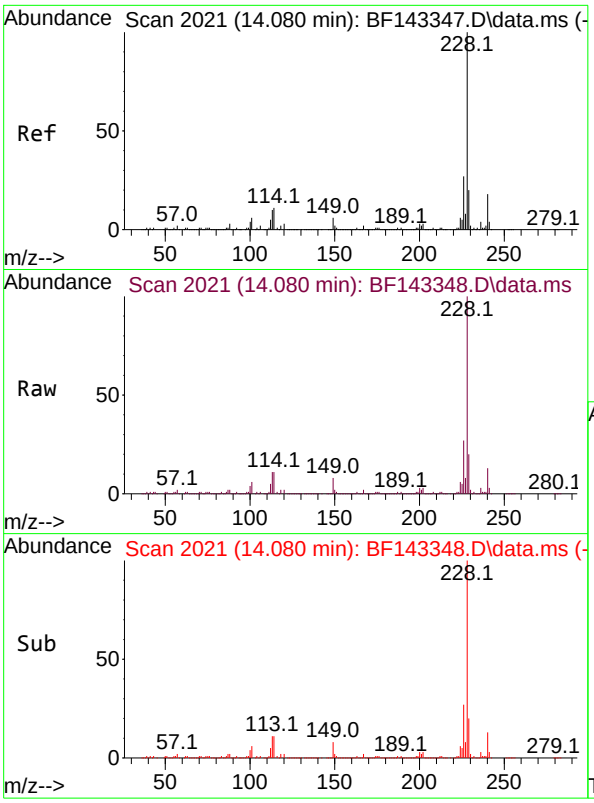


#80
Butylbenzylphthalate
Concen: 48.268 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 229034

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.8	88.2
206	21.3	16.4	24.6



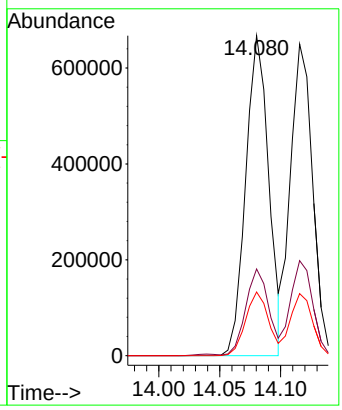


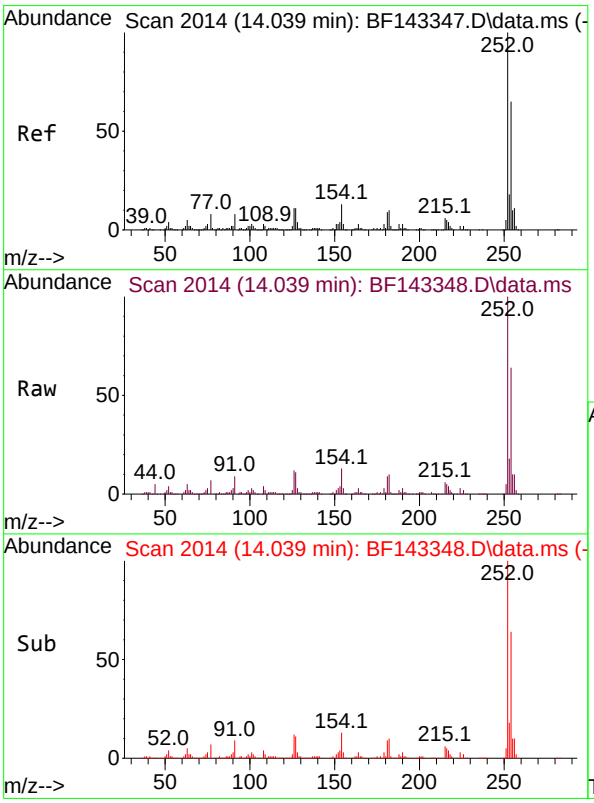
#81
Benzo(a)anthracene
Concen: 48.327 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 878814

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.9	15.8	23.8

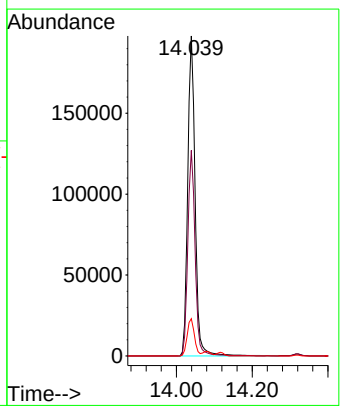


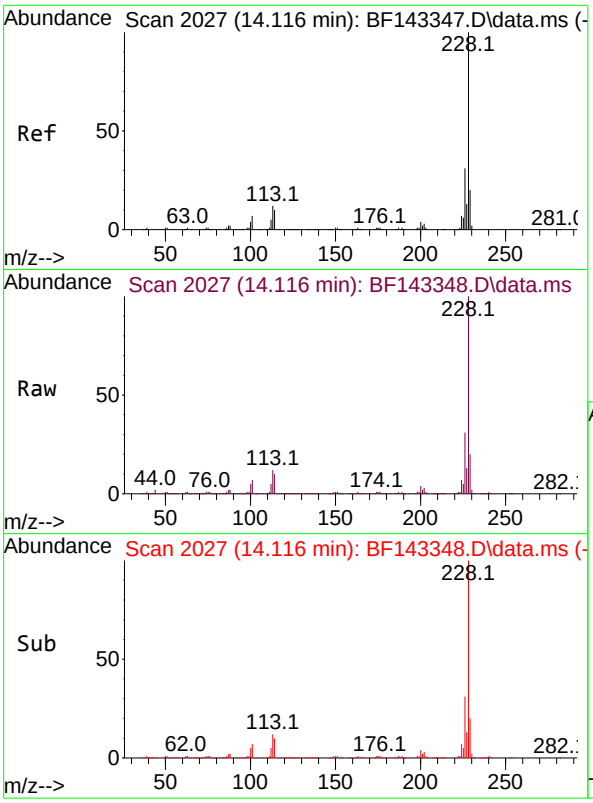


#82
3,3'-Dichlorobenzidine
Concen: 54.417 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 267204

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.7	9.2	13.8



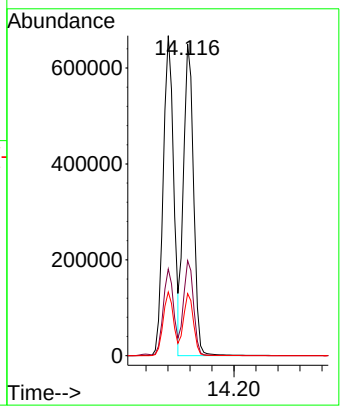


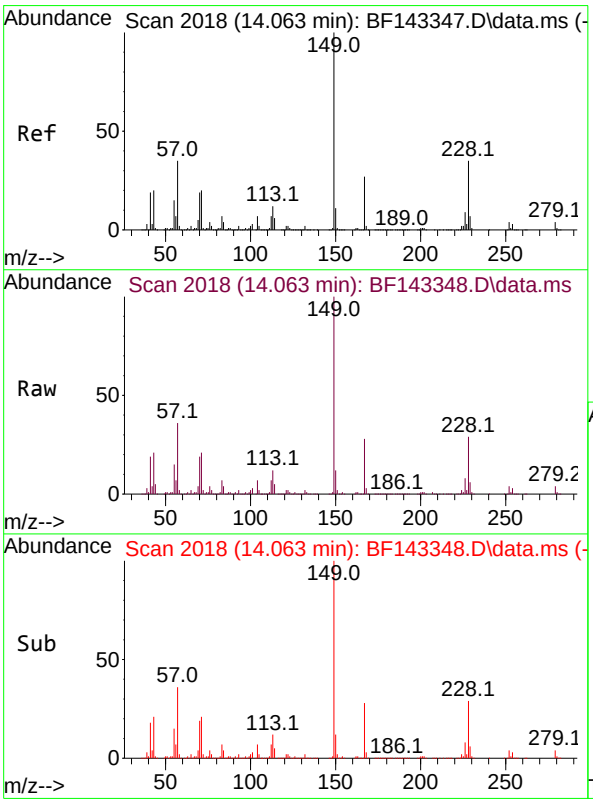
#83
Chrysene
Concen: 49.049 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 831682

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	19.9	15.8	23.6

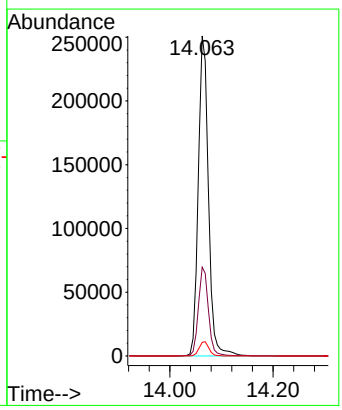


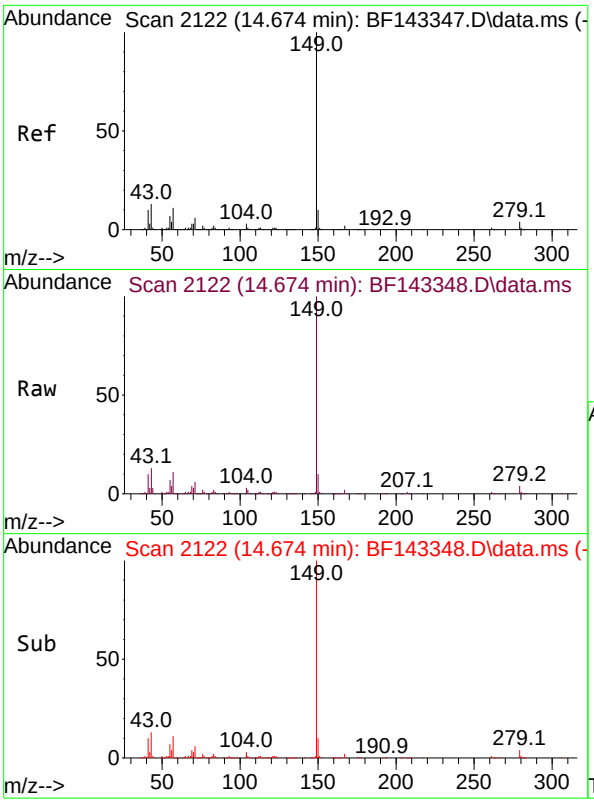


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.921 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 341876

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	4.3	3.2	4.8



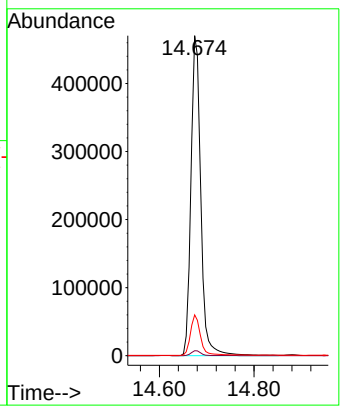


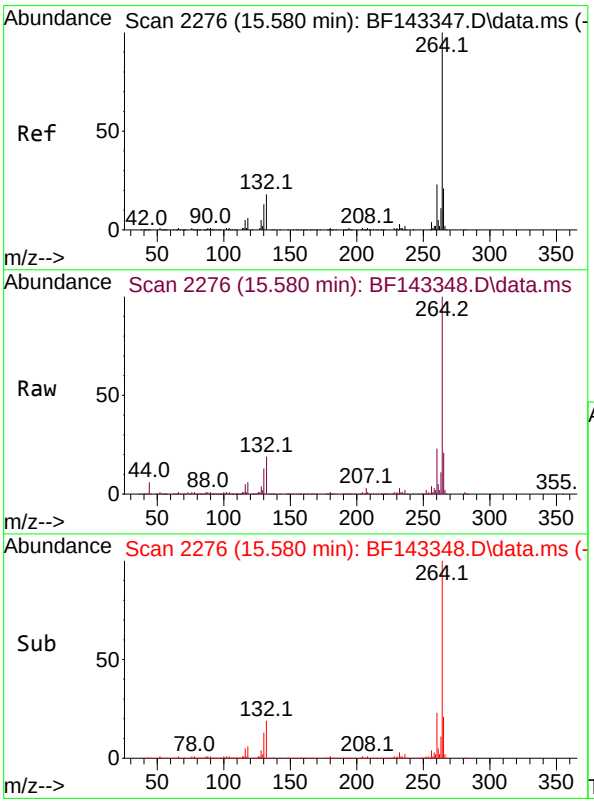
#85
Di-n-octyl phthalate
Concen: 48.572 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 675816

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.1	10.8	16.2

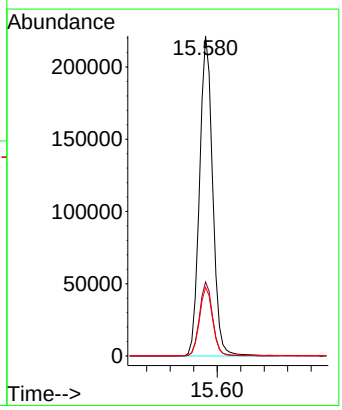


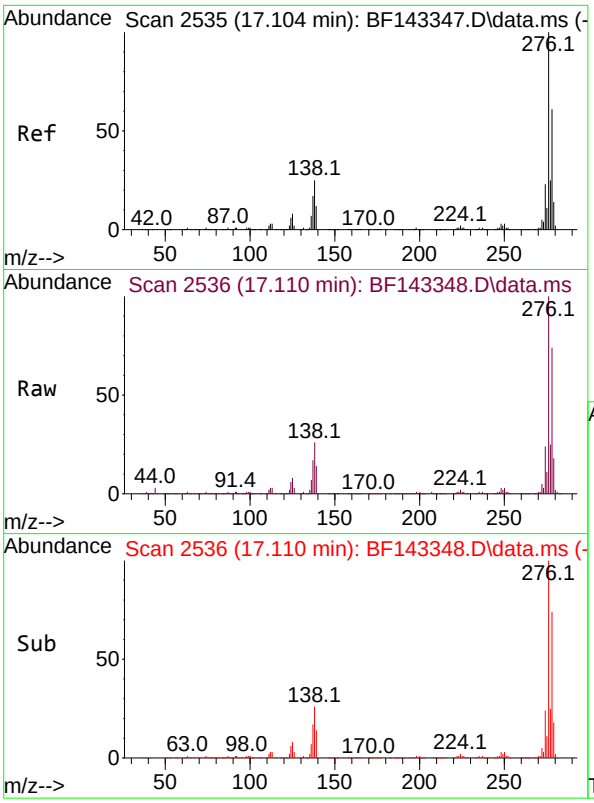


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:264 Resp: 342458

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.4	17.2	25.8



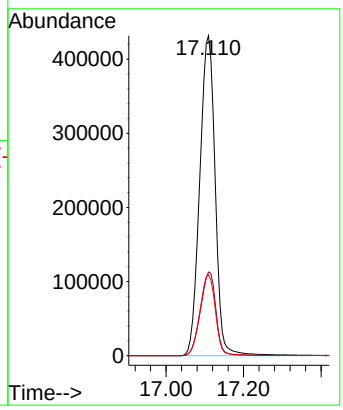


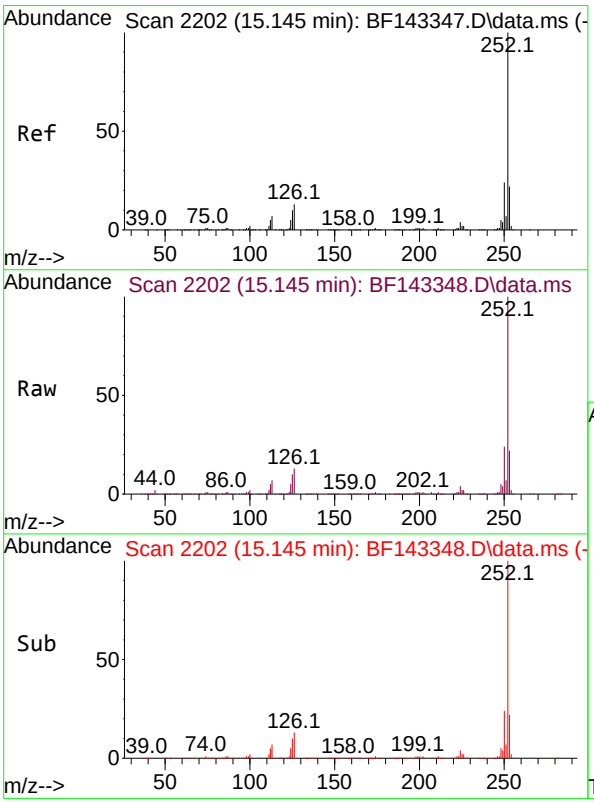
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.566 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1191556

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	25.4	20.2	30.2

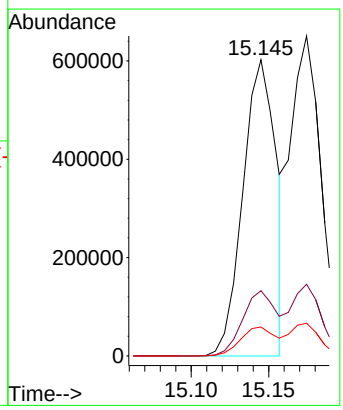


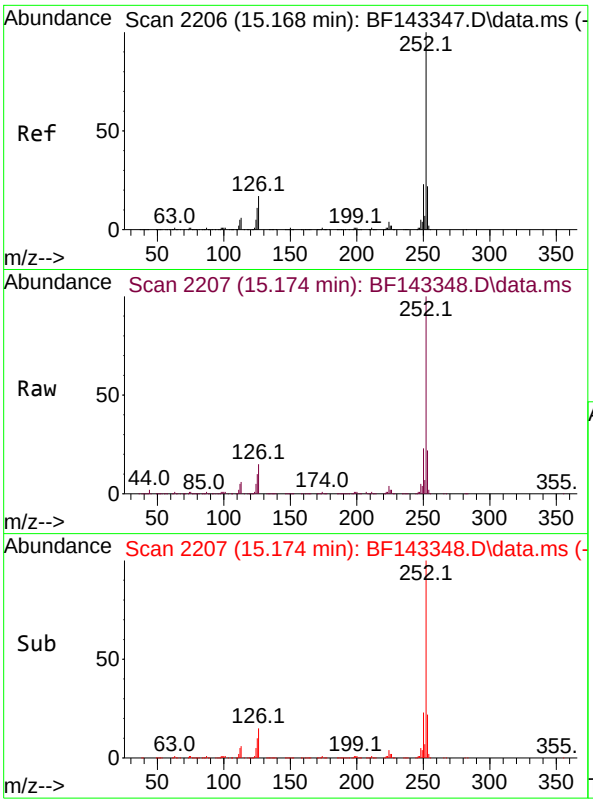


#88
Benzo(b)fluoranthene
Concen: 47.812 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 895570

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.8	7.8	11.6



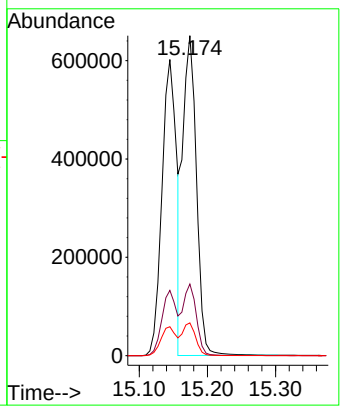


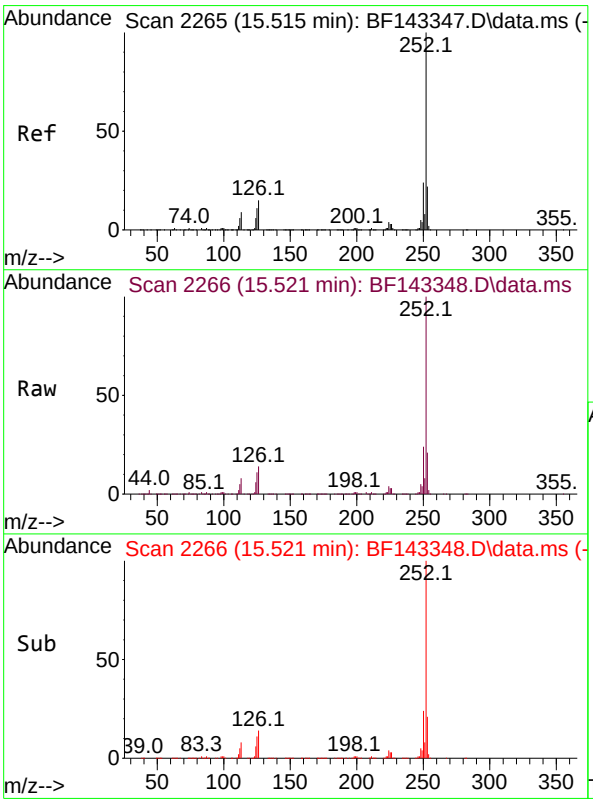
#89
Benzo(k)fluoranthene
Concen: 49.555 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 901937

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.3	8.4	12.6

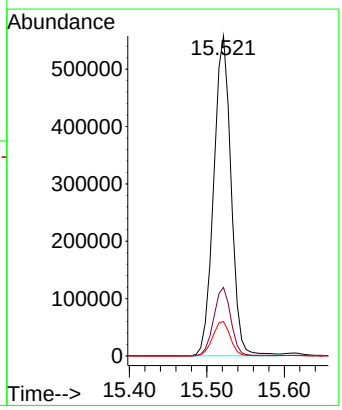


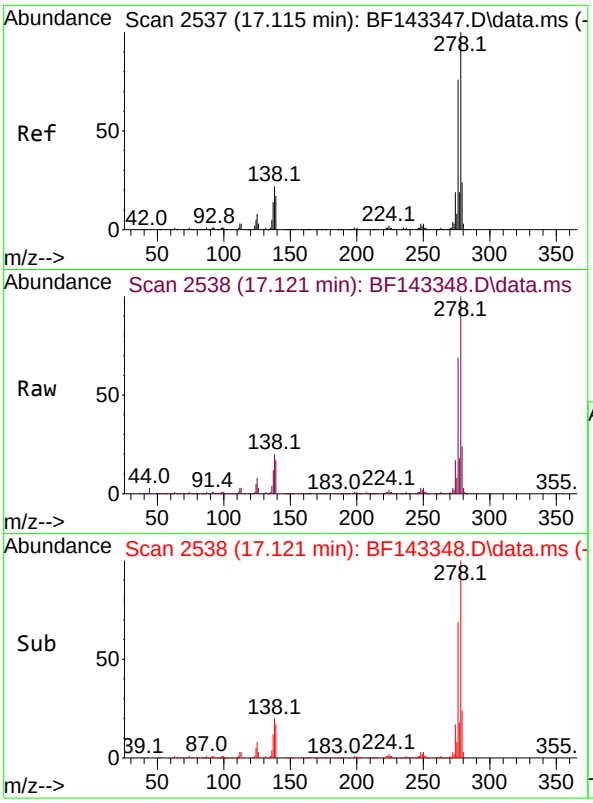


#90
Benzo(a)pyrene
Concen: 49.098 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 866161

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.7	9.1	13.7



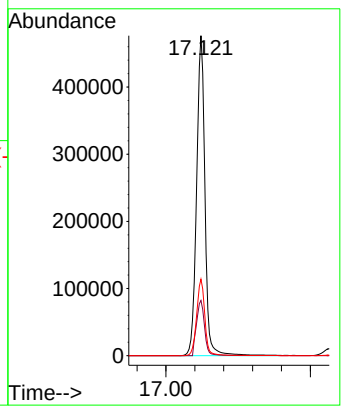


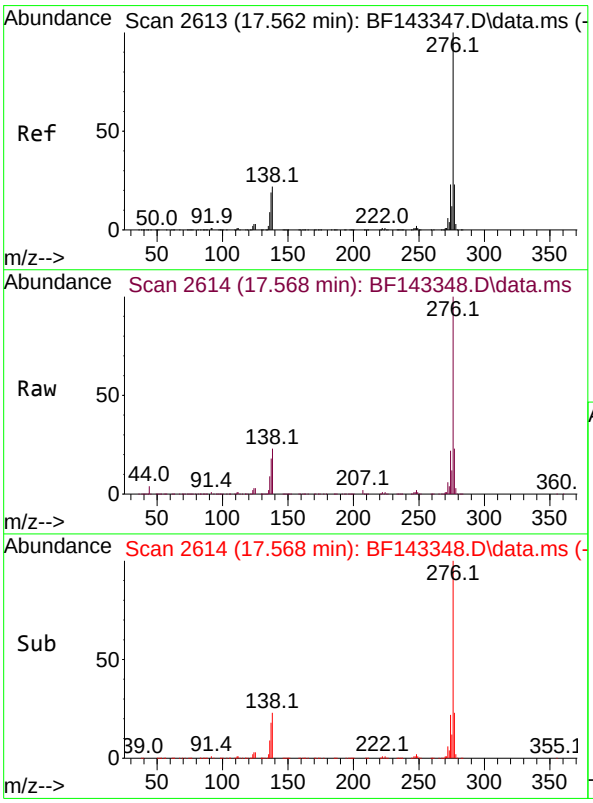
#91
Dibenzo(a,h)anthracene
Concen: 48.855 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 957602

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	23.9	19.4	29.0

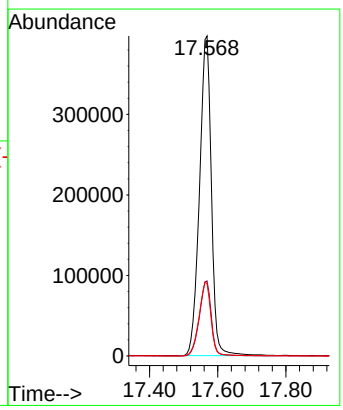




#92
Benzo(g,h,i)perylene
Concen: 48.732 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:276 Resp: 962236

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	22.6	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.934	152	161554	20.000	ng		0.00
21) Naphthalene-d8	8.216	136	611608	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	320321	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	460173	20.000	ng		0.00
76) Chrysene-d12	14.092	240	273246	20.000	ng		0.00
86) Perylene-d12	15.586	264	337675	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	1115976	119.453	ng		0.00
7) Phenol-d6	6.569	99	1429946	119.357	ng		0.00
23) Nitrobenzene-d5	7.492	82	1251642	127.441	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	314370	134.290	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	2021003	106.990	ng		0.00
79) Terphenyl-d14	13.033	244	1568868	102.507	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.763	88	296653	61.364	ng		100
3) Pyridine	3.534	79	808240	62.740	ng		99
4) n-Nitrosodimethylamine	3.481	42	375923	62.645	ng		99
6) Aniline	6.592	93	996754	59.015	ng	#	88
8) 2-Chlorophenol	6.722	128	616100	61.717	ng		98
9) Benzaldehyde	6.481	77	387880	48.985	ng		100
10) Phenol	6.581	94	840504	59.221	ng		91
11) bis(2-Chloroethyl)ether	6.663	93	619725	59.247	ng		99
12) 1,3-Dichlorobenzene	6.875	146	671800	58.344	ng		99
13) 1,4-Dichlorobenzene	6.951	146	661936	57.278	ng		100
14) 1,2-Dichlorobenzene	7.104	146	634447	57.835	ng		100
15) Benzyl Alcohol	7.075	79	531507	61.891	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	1077772	57.714	ng		93
17) 2-Methylphenol	7.186	107	513134	60.895	ng		98
18) Hexachloroethane	7.445	117	225784	62.318	ng		100
19) n-Nitroso-di-n-propyla...	7.345	70	423943	57.269	ng		99
20) 3+4-Methylphenols	7.339	107	594674	58.354	ng		99
22) Acetophenone	7.339	105	765201	56.784	ng		98
24) Nitrobenzene	7.516	77	672780	63.075	ng		99
25) Isophorone	7.751	82	1195220	59.613	ng		99
26) 2-Nitrophenol	7.828	139	276412	63.401	ng		100
27) 2,4-Dimethylphenol	7.863	122	522594	62.476	ng		100
28) bis(2-Chloroethoxy)met...	7.957	93	726373	59.338	ng		99
29) 2,4-Dichlorophenol	8.075	162	512513	62.732	ng		99
30) 1,2,4-Trichlorobenzene	8.157	180	510824	59.275	ng		99
31) Naphthalene	8.239	128	1682766	57.179	ng		100
32) Benzoic acid	7.986	122	248714	62.282	ng		99
33) 4-Chloroaniline	8.281	127	632256	59.564	ng		99
34) Hexachlorobutadiene	8.357	225	314445	58.655	ng		99
35) Caprolactam	8.657	113	148587	64.696	ng		96
36) 4-Chloro-3-methylphenol	8.763	107	525032	61.301	ng		99
37) 2-Methylnaphthalene	8.928	142	1088275	56.249	ng		98
38) 1-Methylnaphthalene	9.028	142	1052909	56.505	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	516108	58.880	ng		99
41) Hexachlorocyclopentadiene	9.080	237	184941	61.485	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	330076	66.369	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

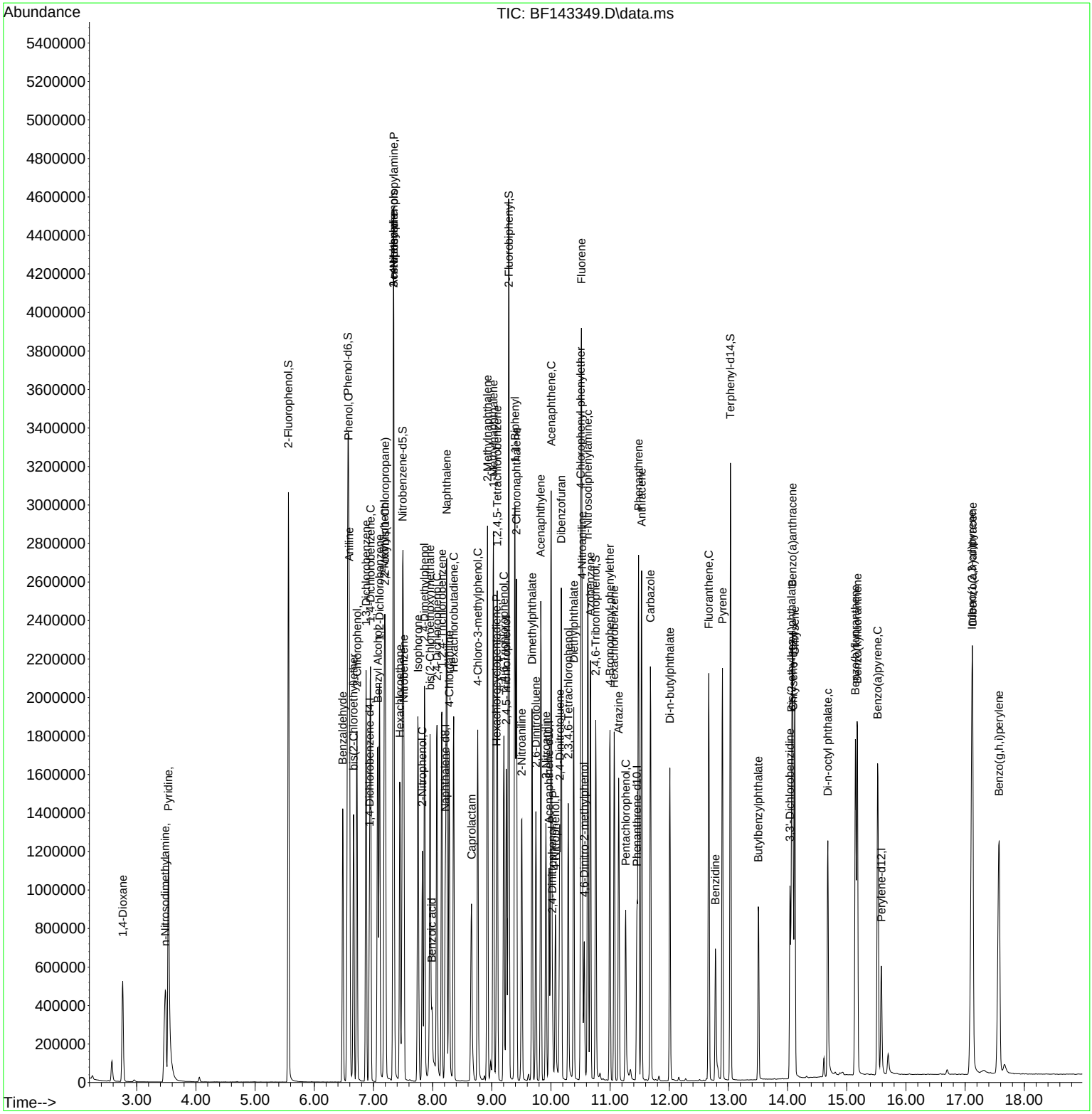
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	355498	63.299	ng		98
46) 1,1'-Biphenyl	9.392	154	1282862	56.642	ng		99
47) 2-Chloronaphthalene	9.416	162	1038548	58.223	ng		99
48) 2-Nitroaniline	9.504	65	322909	61.917	ng		98
49) Acenaphthylene	9.828	152	1481001	57.494	ng		99
50) Dimethylphthalate	9.680	163	1125050	60.109	ng		99
51) 2,6-Dinitrotoluene	9.745	165	224724	62.496	ng		99
52) Acenaphthene	10.004	154	977067	57.055	ng		99
53) 3-Nitroaniline	9.916	138	270085	70.462	ng		99
54) 2,4-Dinitrophenol	10.022	184	82451	62.319	ng	#	77
55) Dibenzofuran	10.175	168	1389556	56.379	ng		99
56) 4-Nitrophenol	10.075	139	186307	62.130	ng		99
57) 2,4-Dinitrotoluene	10.151	165	295520	61.944	ng		95
58) Fluorene	10.516	166	1046138	55.570	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	265201	70.050	ng		99
60) Diethylphthalate	10.386	149	990716	59.094	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	515436	56.664	ng		99
62) 4-Nitroaniline	10.527	138	242938	65.508	ng		98
63) Azobenzene	10.669	77	1104323	57.669	ng		98
65) 4,6-Dinitro-2-methylph...	10.563	198	119734	61.844	ng		98
66) n-Nitrosodiphenylamine	10.622	169	898967	59.328	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	318696	60.555	ng		98
68) Hexachlorobenzene	11.069	284	341976	60.282	ng		100
69) Atrazine	11.145	200	250602	63.410	ng		98
70) Pentachlorophenol	11.263	266	165675	61.169	ng		98
71) Phenanthrene	11.480	178	1426848	56.831	ng		99
72) Anthracene	11.533	178	1459751	57.330	ng		100
73) Carbazole	11.680	167	1232939	56.857	ng		99
74) Di-n-butylphthalate	12.010	149	1127365	61.437	ng		100
75) Fluoranthene	12.669	202	1181812	53.737	ng		99
77) Benzidine	12.780	184	419198	56.115	ng		99
78) Pyrene	12.898	202	1196849	52.212	ng		100
80) Butylbenzylphthalate	13.504	149	283998	61.669	ng		98
81) Benzo(a)anthracene	14.080	228	1072649	61.763	ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	313084	66.762	ng		99
83) Chrysene	14.121	228	937047	57.863	ng		100
84) Bis(2-ethylhexyl)phtha...	14.068	149	426553	62.688	ng		98
85) Di-n-octyl phthalate	14.680	149	856960	62.516	ng		99
87) Indeno(1,2,3-cd)pyrene	17.115	276	1462168	60.440	ng		100
88) Benzo(b)fluoranthene	15.145	252	1161807	62.905	ng		99
89) Benzo(k)fluoranthene	15.180	252	1035022	57.673	ng		99
90) Benzo(a)pyrene	15.521	252	1052580	60.510	ng		100
91) Dibenzo(a,h)anthracene	17.127	278	1170363	60.556	ng		99
92) Benzo(g,h,i)perylene	17.574	276	1182985	60.761	ng		99

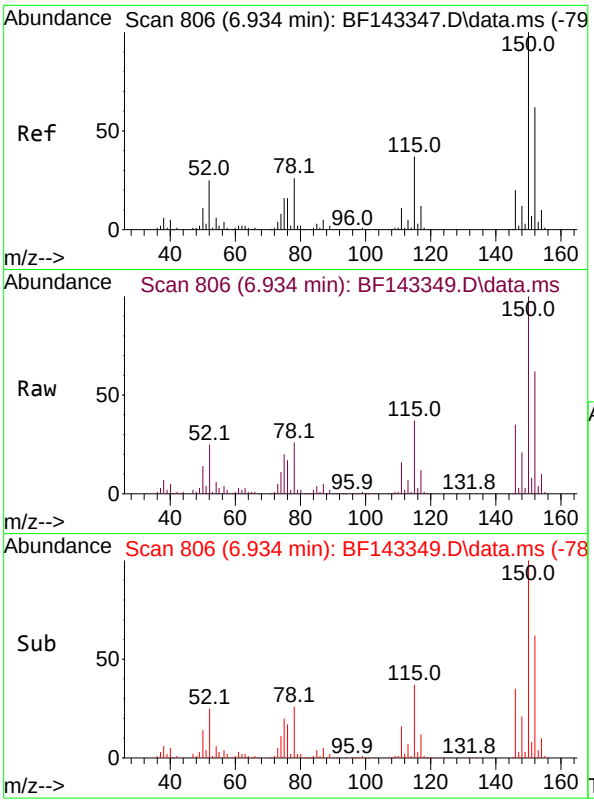
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



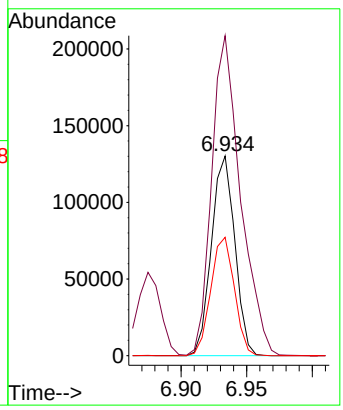


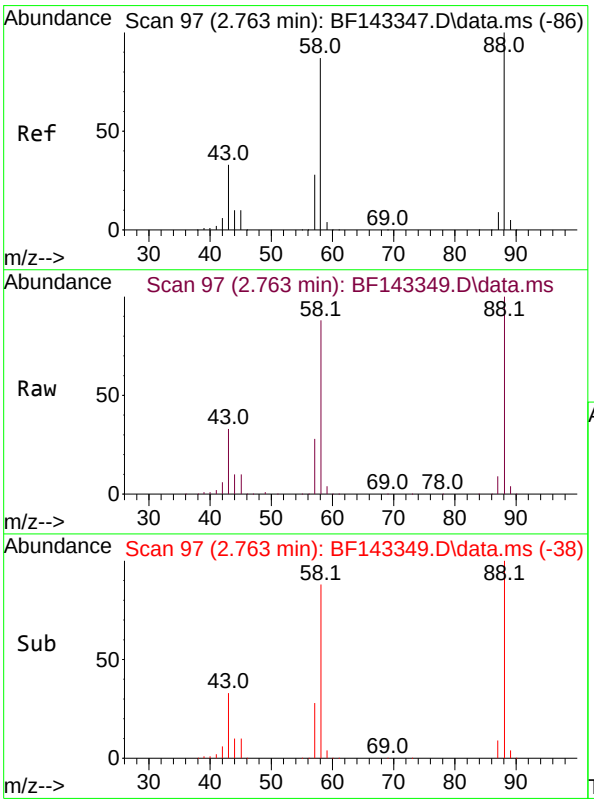
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 161554

Ion	Ratio	Lower	Upper
152	100		
150	160.3	129.8	194.8
115	59.3	47.8	71.8

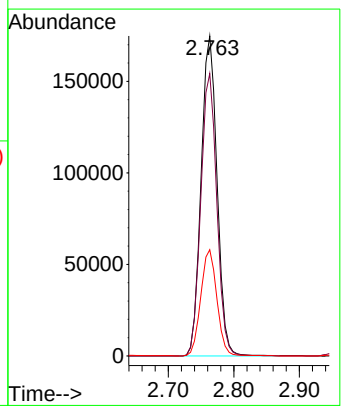


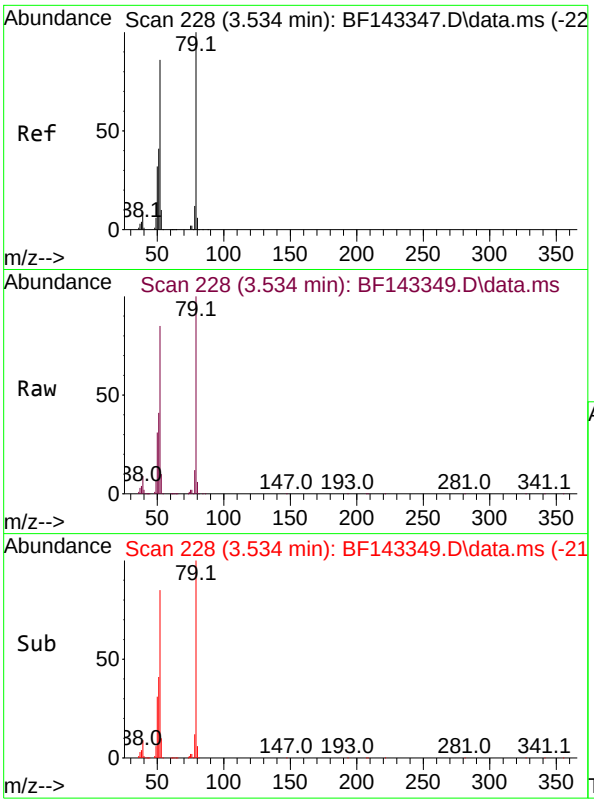


#2
1,4-Dioxane
Concen: 61.364 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 88 Resp: 296653

Ion	Ratio	Lower	Upper
88	100		
58	88.5	71.0	106.6
43	33.6	27.0	40.6



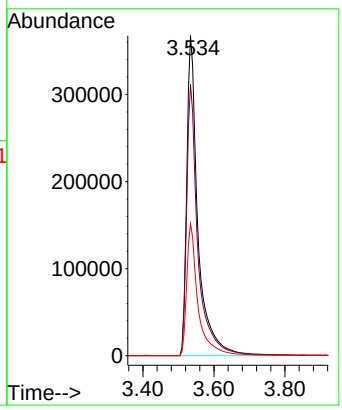


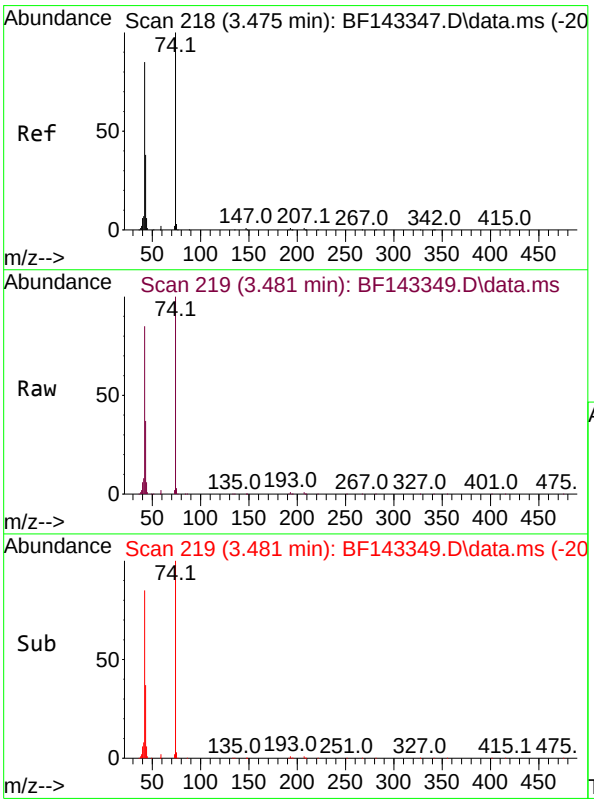
#3
Pyridine
Concen: 62.740 ng
RT: 3.534 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 808240

Ion	Ratio	Lower	Upper
79	100		
52	84.8	68.7	103.1
51	41.2	33.4	50.0

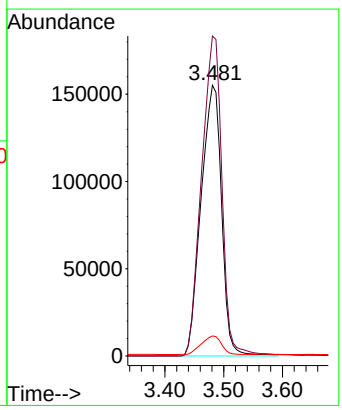


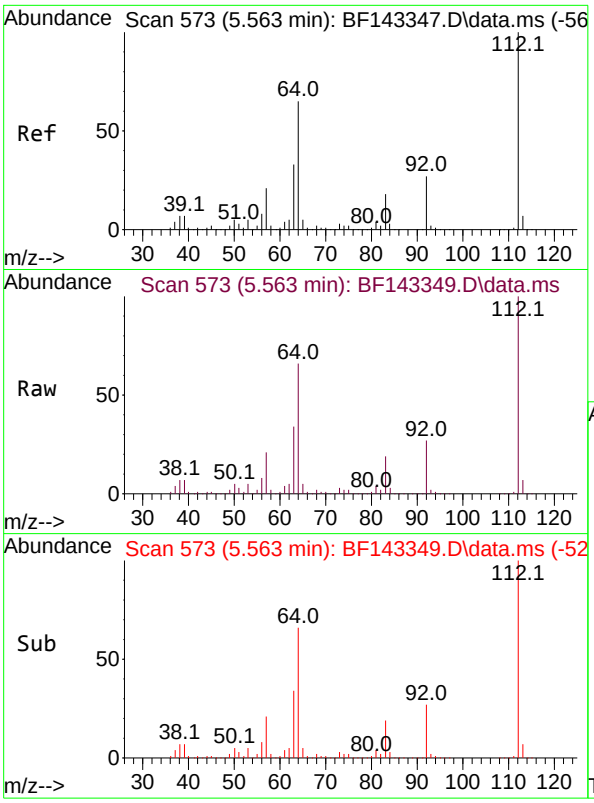


#4
n-Nitrosodimethylamine
Concen: 62.645 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 42 Resp: 375923

Ion	Ratio	Lower	Upper
42	100		
74	118.2	94.1	141.1
44	7.4	6.5	9.7



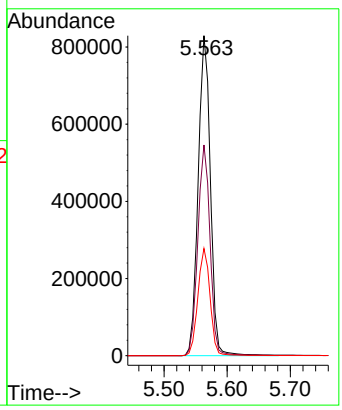


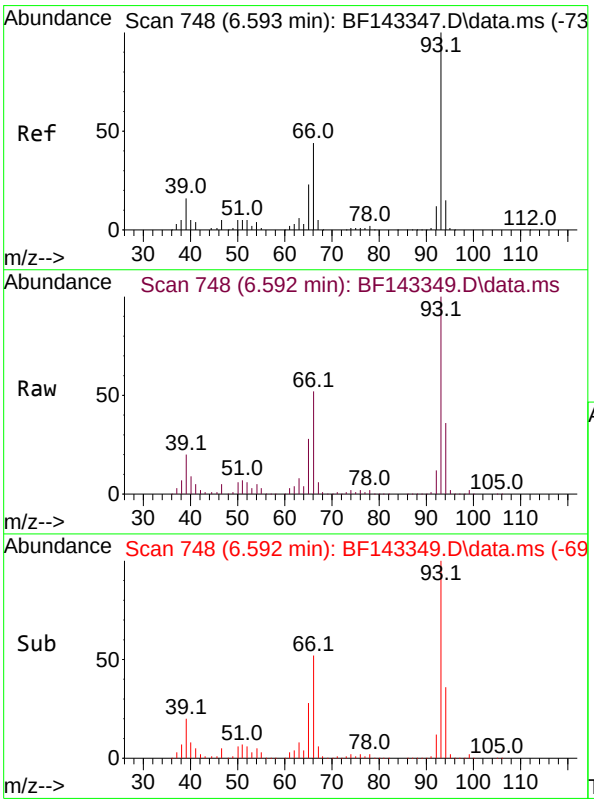
#5
2-Fluorophenol
Concen: 119.453 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1115976

Ion	Ratio	Lower	Upper
112	100		
64	65.9	52.1	78.1
63	33.5	26.6	39.8

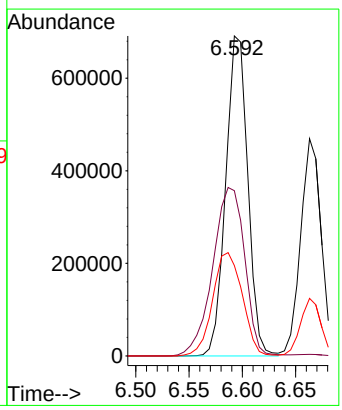


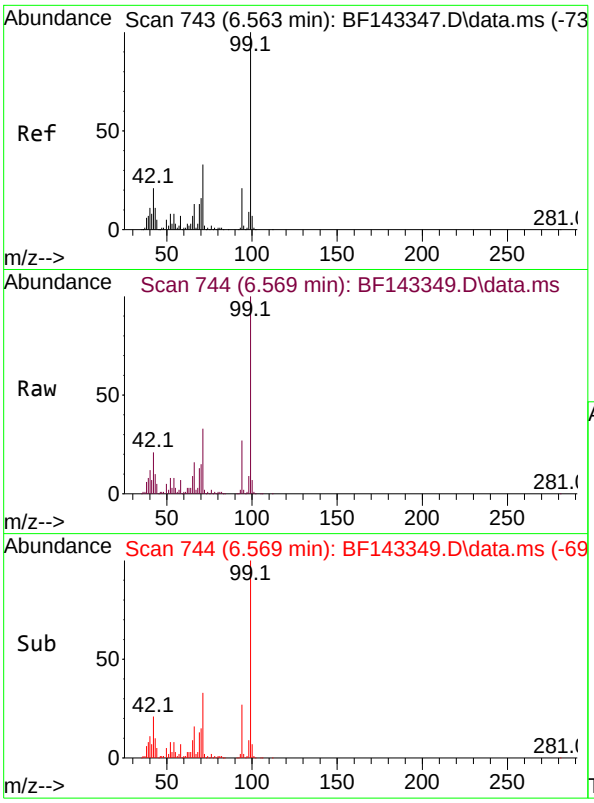


#6
Aniline
Concen: 59.015 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 996754

Ion	Ratio	Lower	Upper
93	100		
66	51.6	35.3	52.9
65	28.3	18.2	27.4#



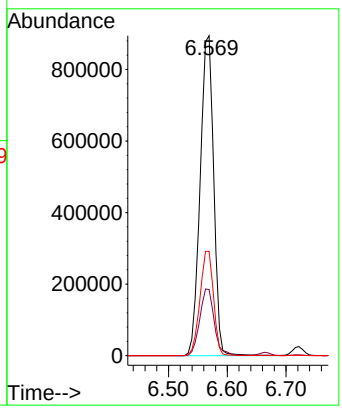


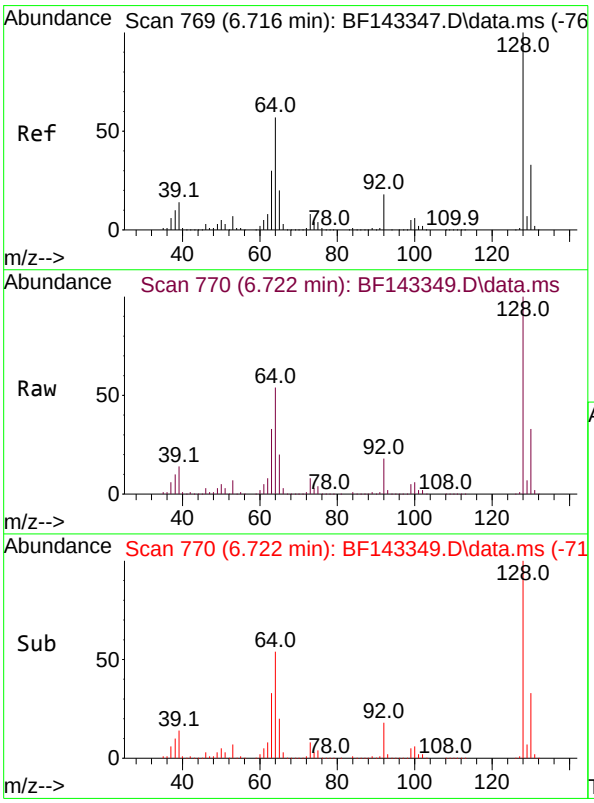
#7
Phenol-d6
Concen: 119.357 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1429946

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	32.6	26.2	39.2

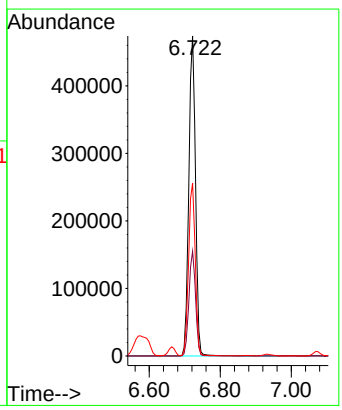


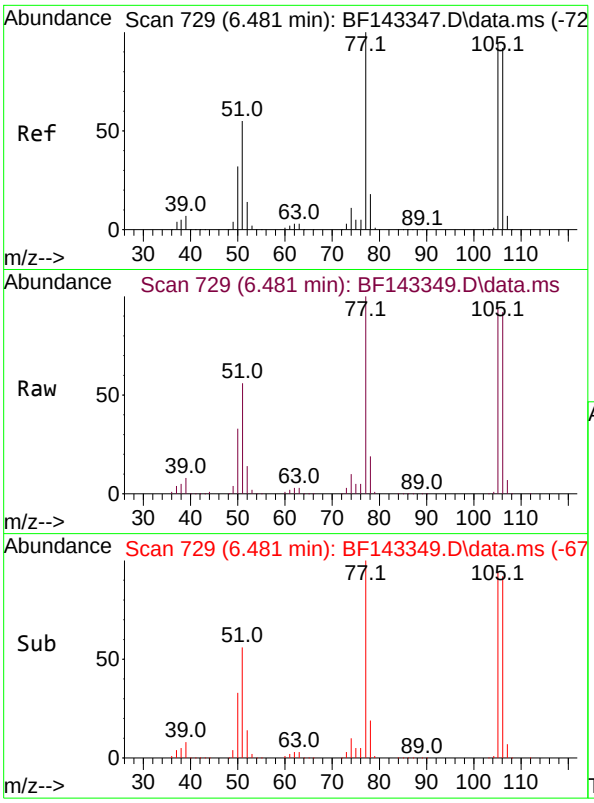


#8
2-Chlorophenol
Concen: 61.717 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:128 Resp: 616100

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	54.0	36.7	76.7



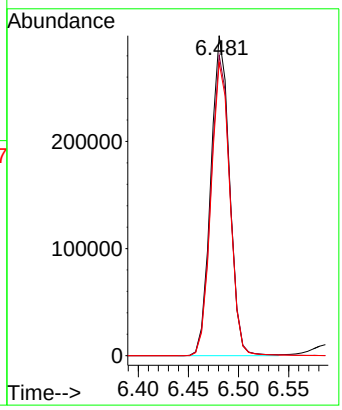


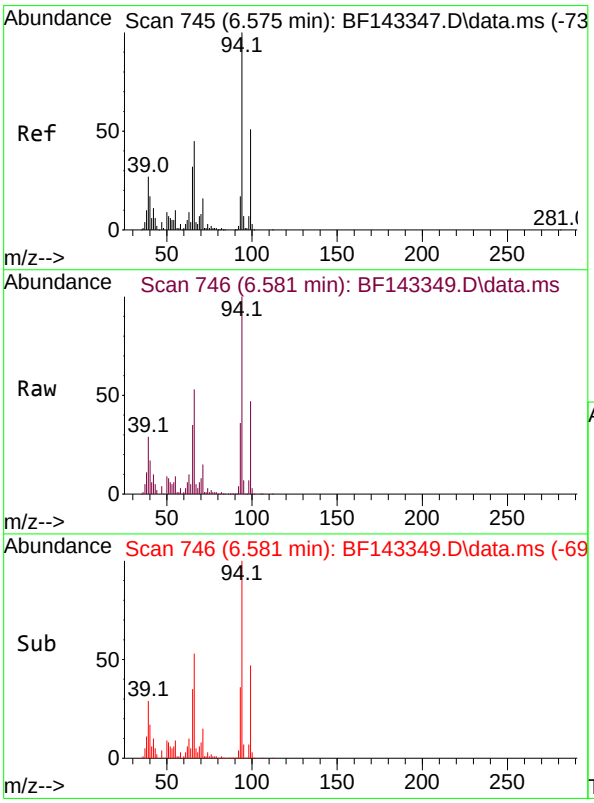
#9
Benzaldehyde
Concen: 48.985 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 387880

Ion	Ratio	Lower	Upper
77	100		
105	93.9	74.2	114.2
106	91.6	72.2	112.2

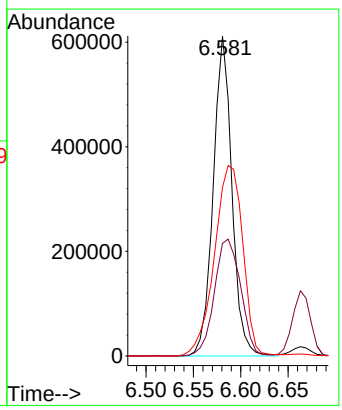


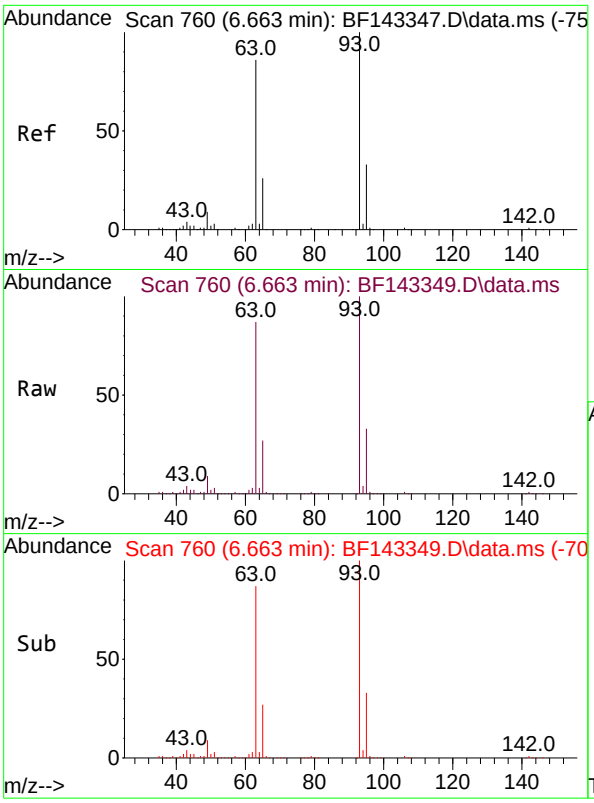


#10
Phenol
Concen: 59.221 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 94 Resp: 840504

Ion	Ratio	Lower	Upper
94	100		
65	35.2	12.0	52.0
66	52.7	25.6	65.6



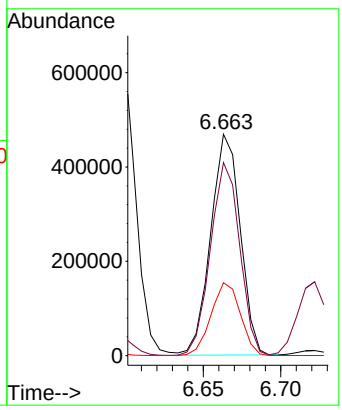


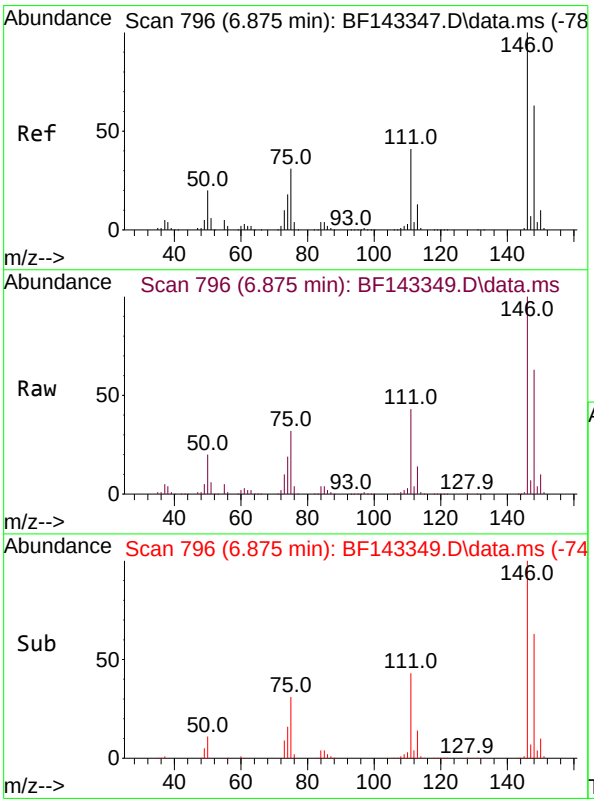
#11
bis(2-Chloroethyl)ether
Concen: 59.247 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 619725

Ion	Ratio	Lower	Upper
93	100		
63	87.2	65.7	105.7
95	33.0	13.0	53.0

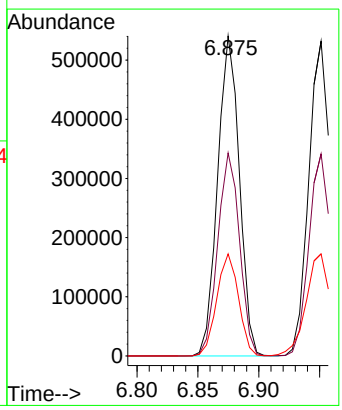


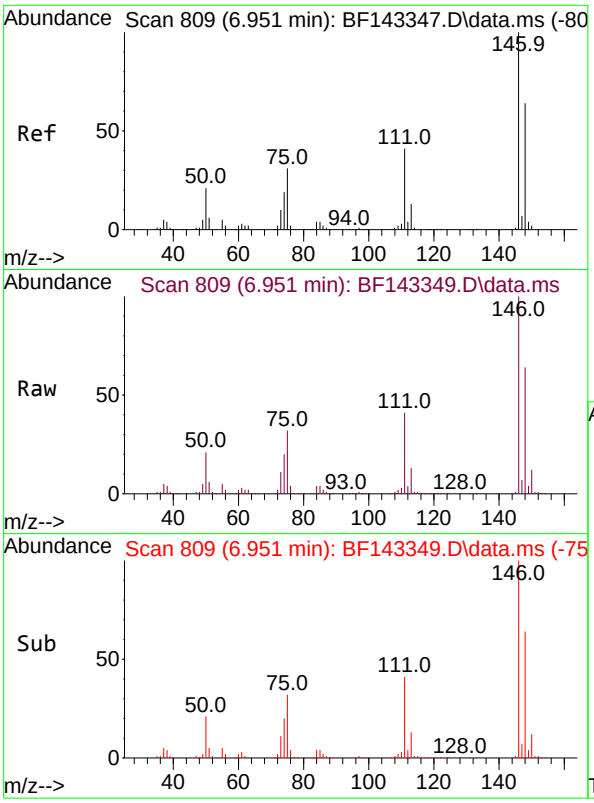


#12
1,3-Dichlorobenzene
Concen: 58.344 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:146 Resp: 671800

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
75	31.9	24.9	37.3



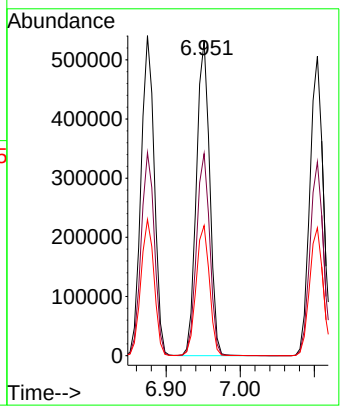


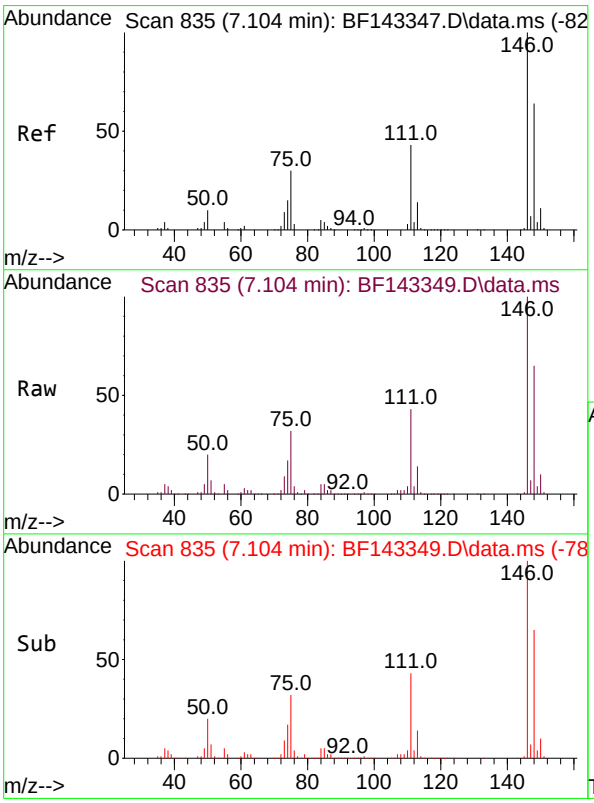
#13
1,4-Dichlorobenzene
Concen: 57.278 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 661936

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	41.4	32.6	48.8

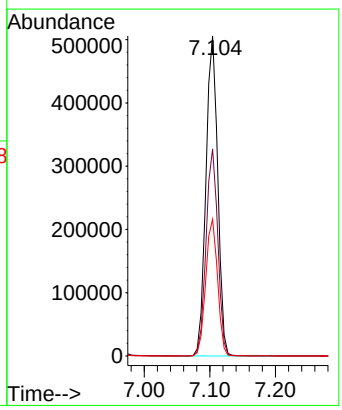


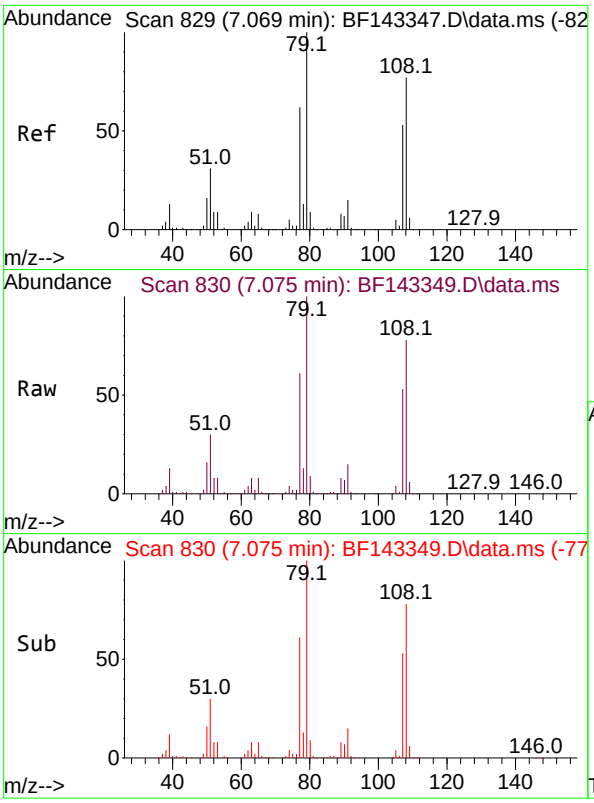


#14
1,2-Dichlorobenzene
Concen: 57.835 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:146 Resp: 634447

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	42.7	34.1	51.1



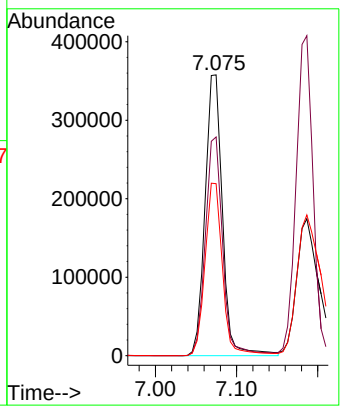


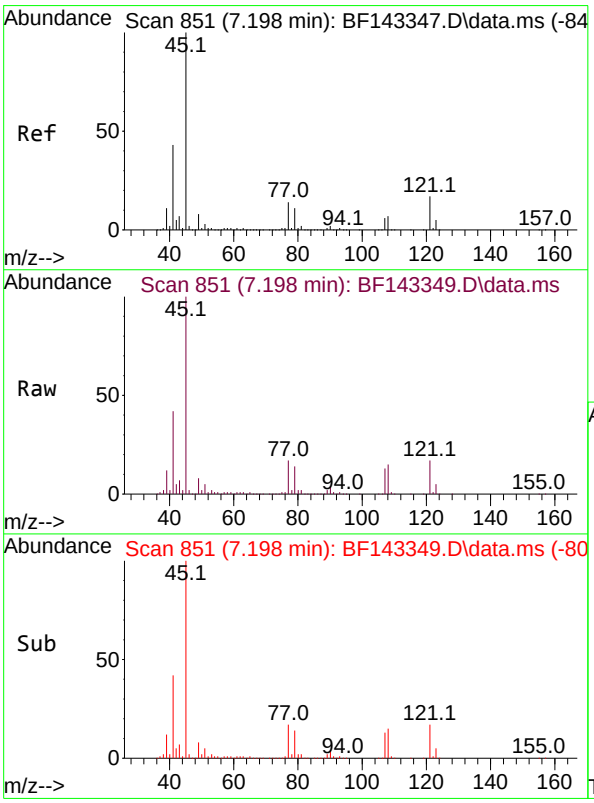
#15
Benzyl Alcohol
Concen: 61.891 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 531507

Ion	Ratio	Lower	Upper
79	100		
108	77.9	61.5	92.3
77	61.2	49.8	74.8

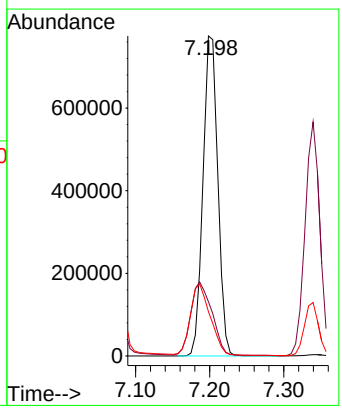


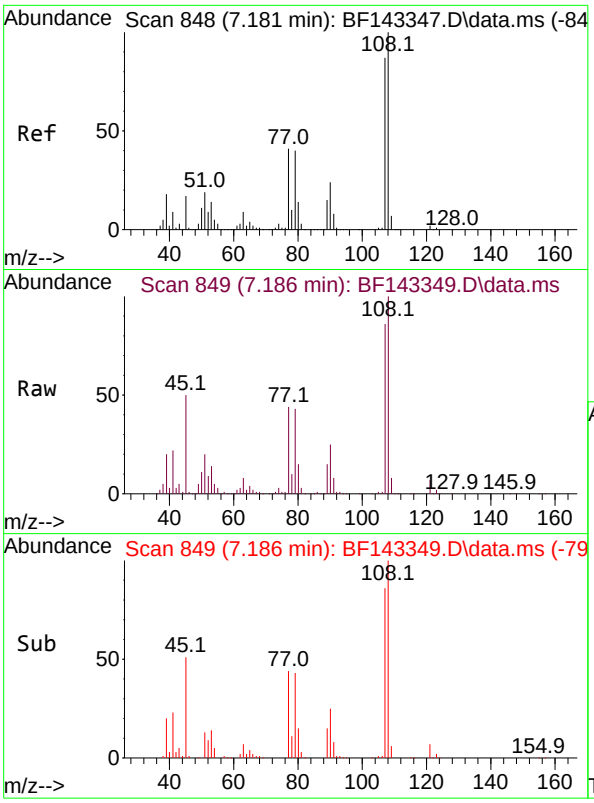


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.714 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 45 Resp: 1077772

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	34.0
79	13.8	0.0	31.1



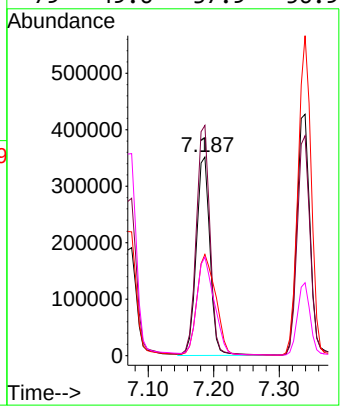


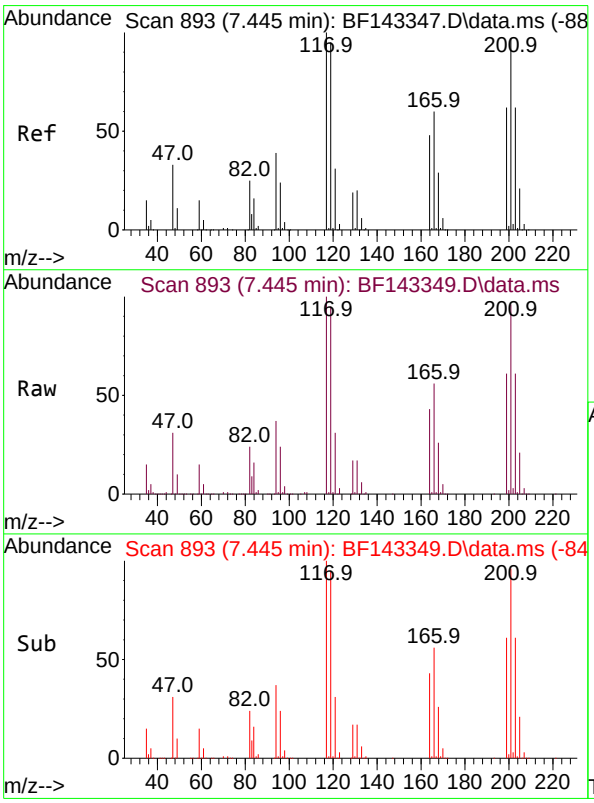
#17
2-Methylphenol
Concen: 60.895 ng
RT: 7.186 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 513134

Ion	Ratio	Lower	Upper
107	100		
108	115.9	92.0	138.0
77	51.0	38.2	57.2
79	49.6	37.9	56.9

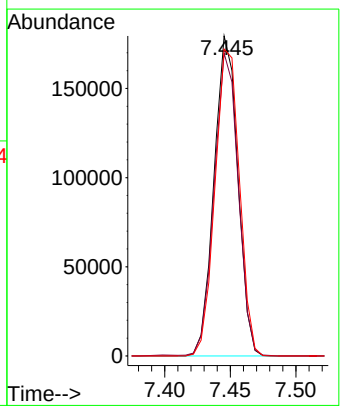


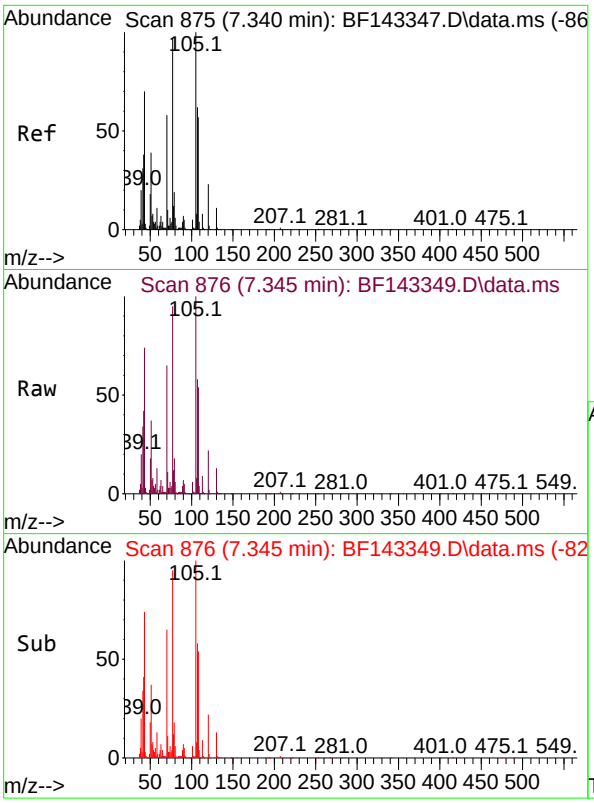


#18
Hexachloroethane
Concen: 62.318 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:117 Resp: 225784

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
201	95.9	77.2	115.8



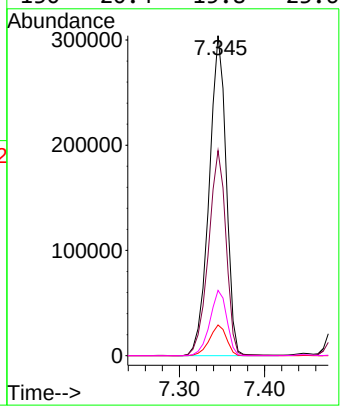


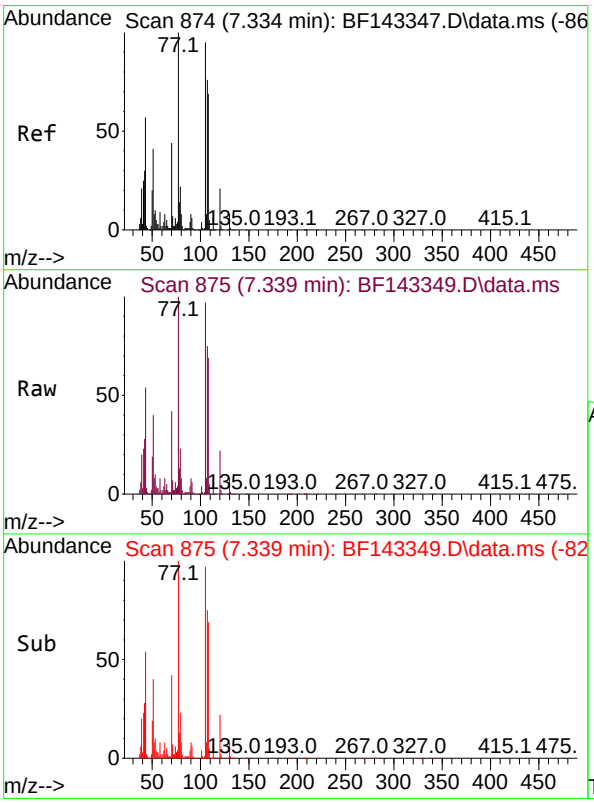
#19
n-Nitroso-di-n-propylamine
Concen: 57.269 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 423943

Ion	Ratio	Lower	Upper
70	100		
42	64.1	51.6	77.4
101	9.6	7.5	11.3
130	20.4	15.8	23.6

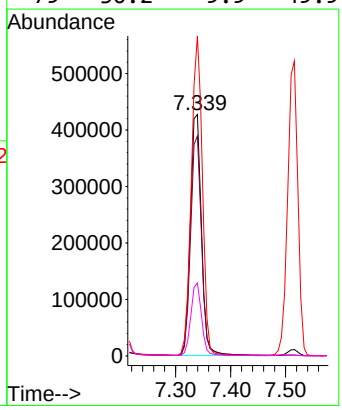


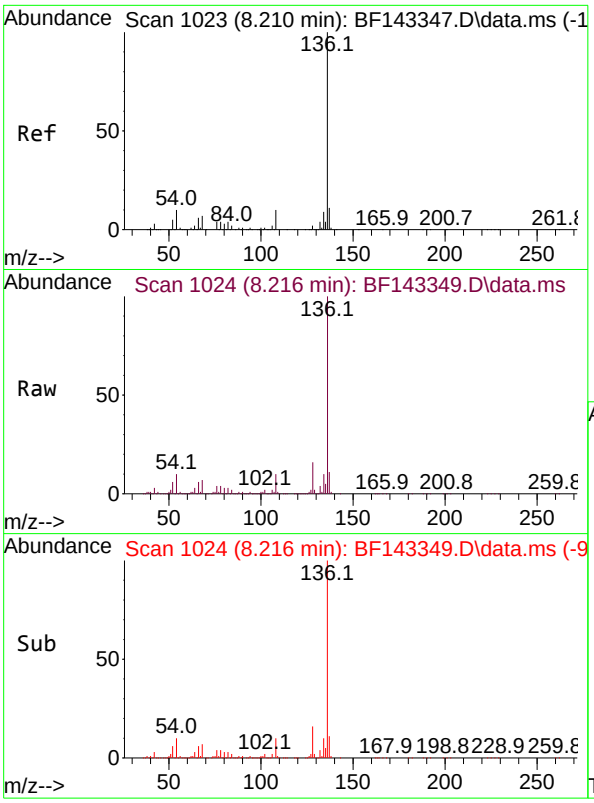


#20
3+4-Methylphenols
Concen: 58.354 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:107 Resp: 594674

Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.6	110.6
77	132.5	112.0	152.0
79	30.2	9.9	49.9



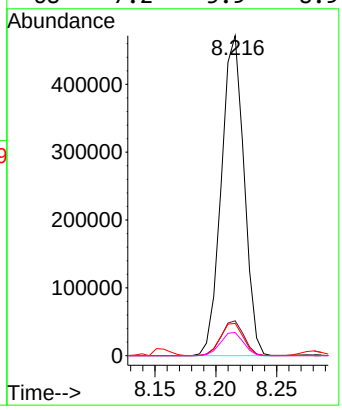


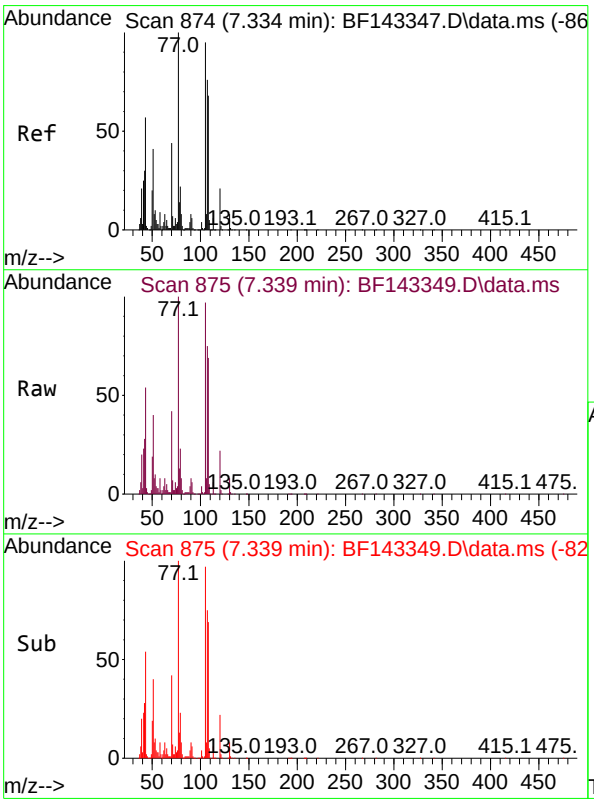
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 611608

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.4	12.6
68	7.2	5.9	8.9

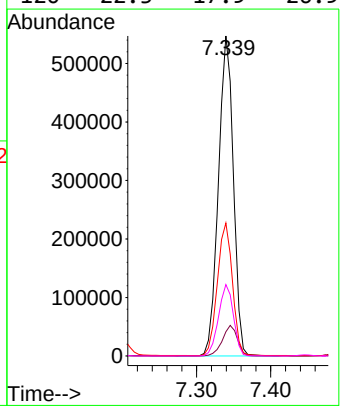


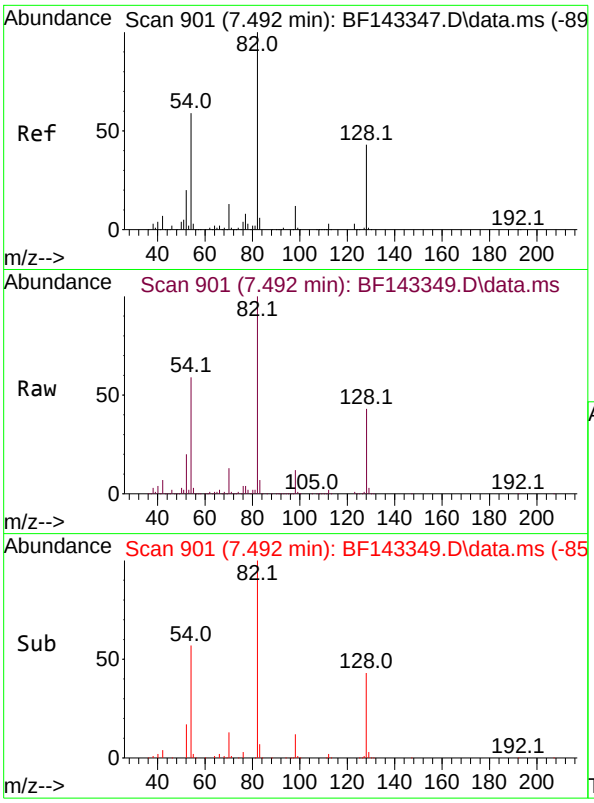


#22
Acetophenone
Concen: 56.784 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:105 Resp: 765201

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.2	9.4
51	41.6	34.8	52.2
120	22.3	17.9	26.9



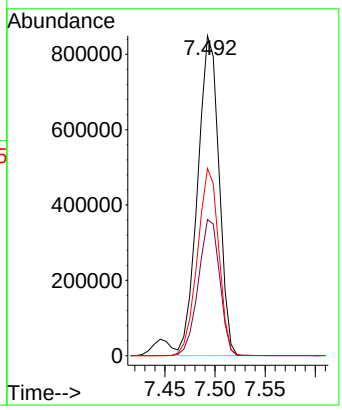


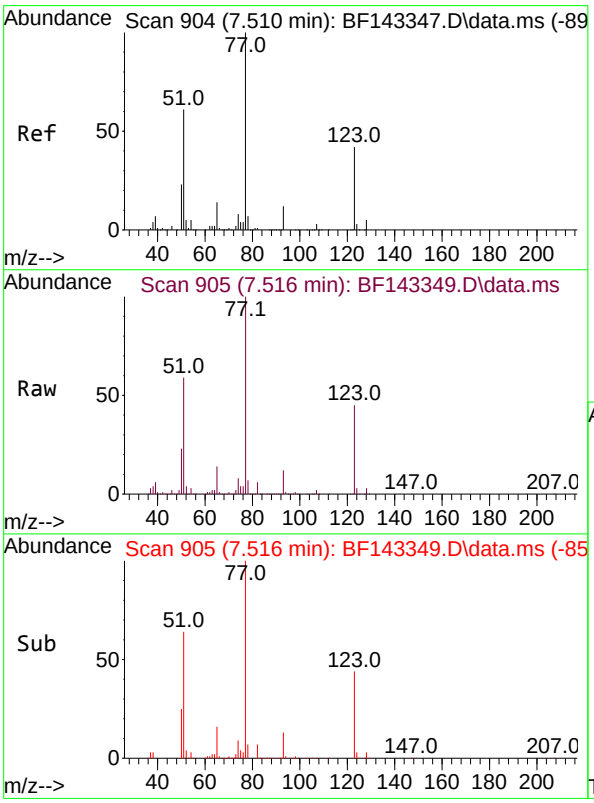
#23
Nitrobenzene-d5
Concen: 127.441 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1251642

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.5	50.3
54	58.5	46.7	70.1

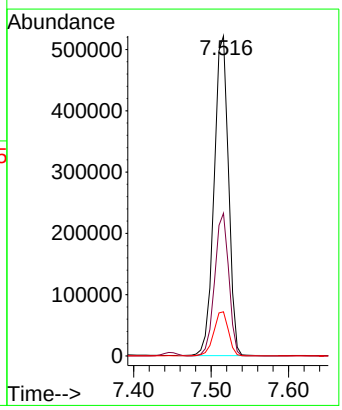


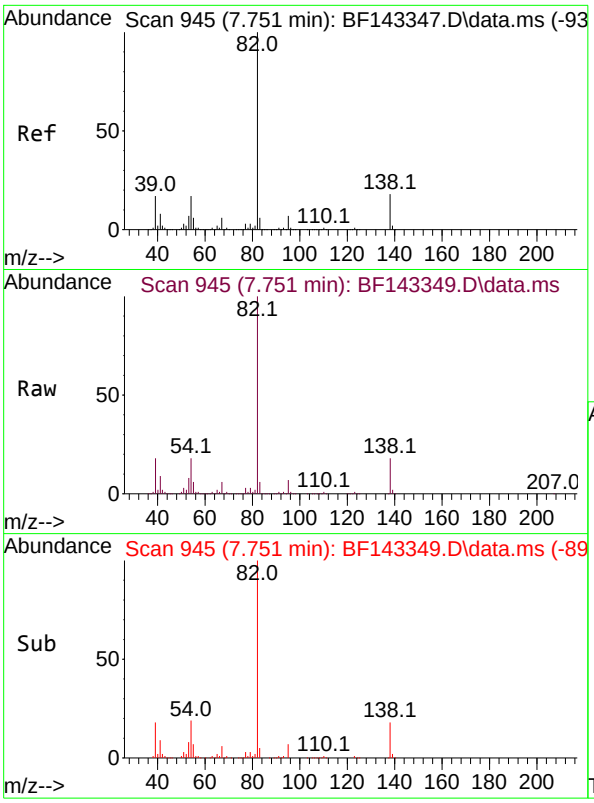


#24
Nitrobenzene
Concen: 63.075 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 77 Resp: 672780

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.8	11.0	16.6



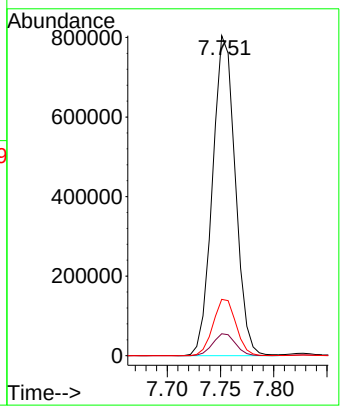


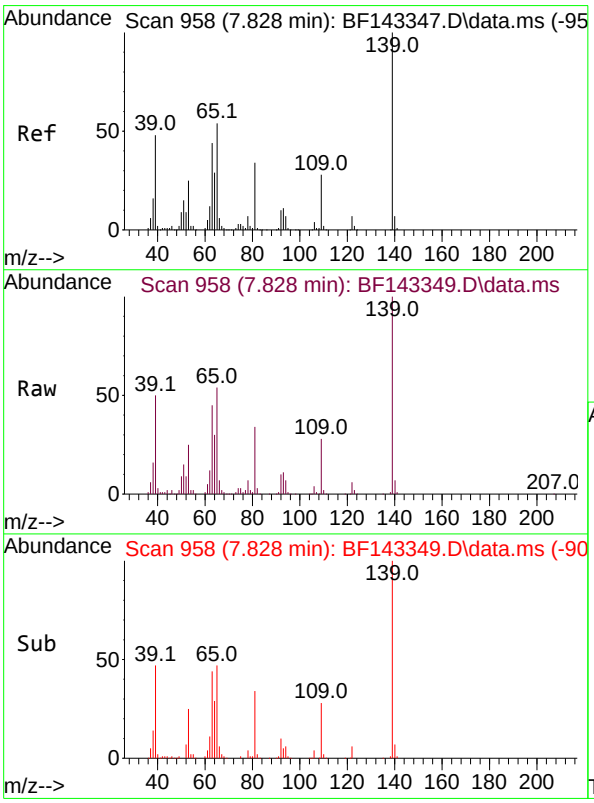
#25
Isophorone
Concen: 59.613 ng
RT: 7.751 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1195220

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.6	14.6	21.8

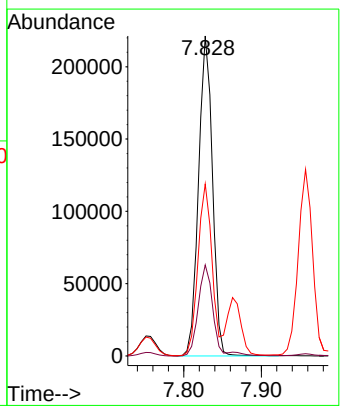


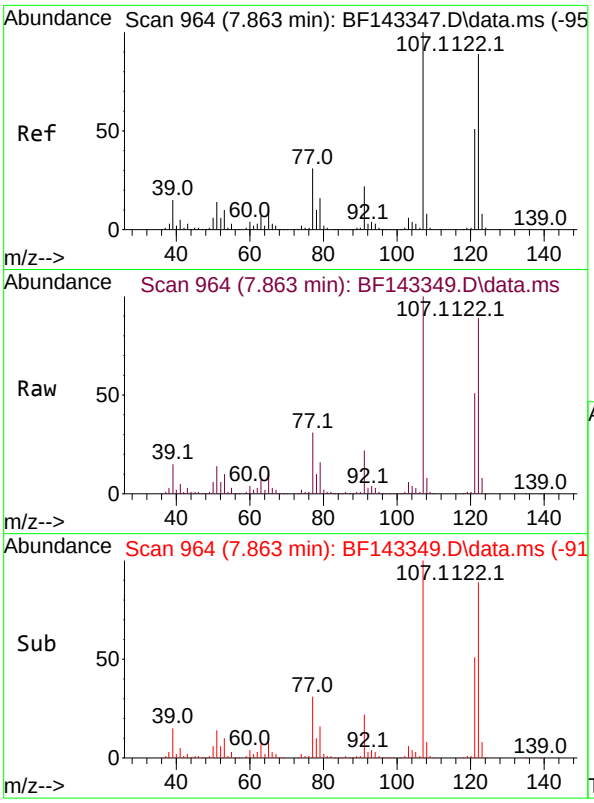


#26
2-Nitrophenol
Concen: 63.401 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:139 Resp: 276412

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.4	33.6
65	53.8	42.9	64.3



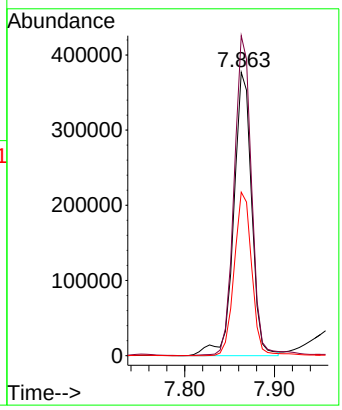


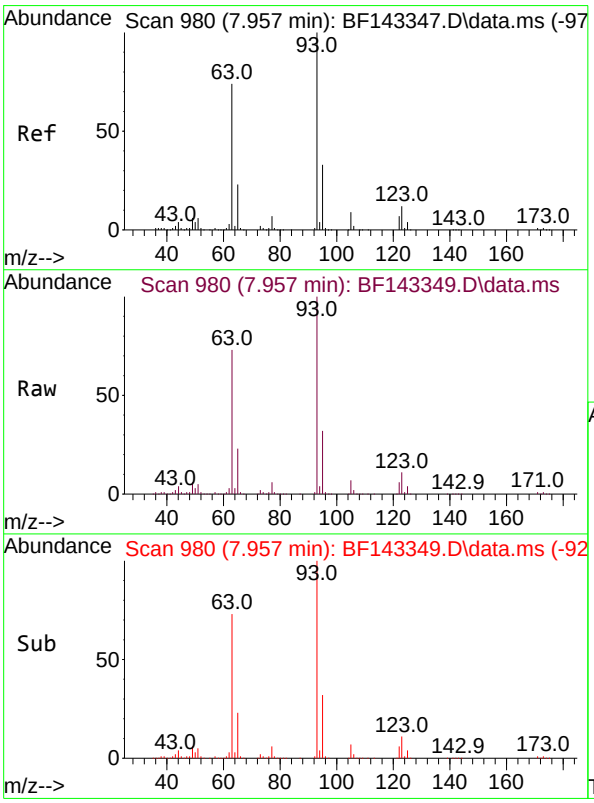
#27
2,4-Dimethylphenol
Concen: 62.476 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 522594

Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.9	134.9
121	57.7	46.2	69.4

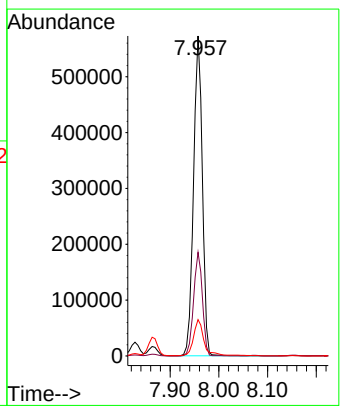


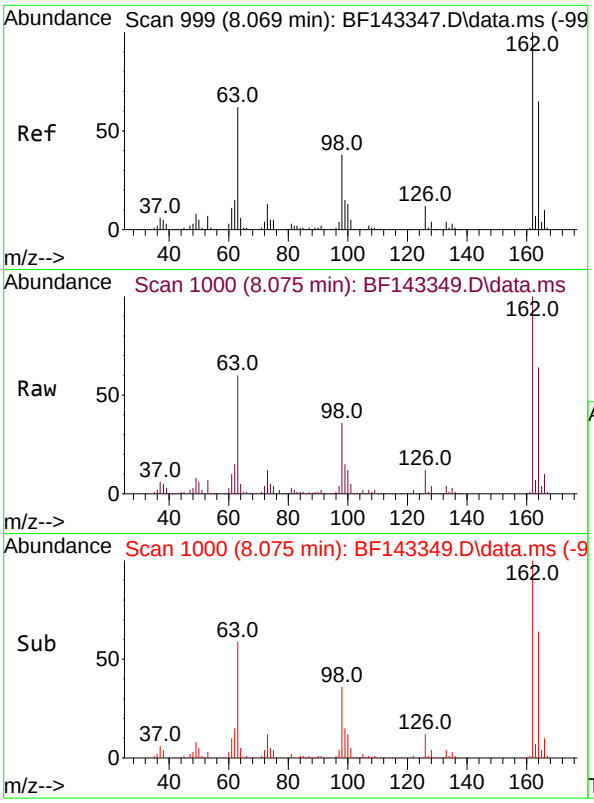


#28
bis(2-Chloroethoxy)methane
Concen: 59.338 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 726373

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.4	9.4	14.2



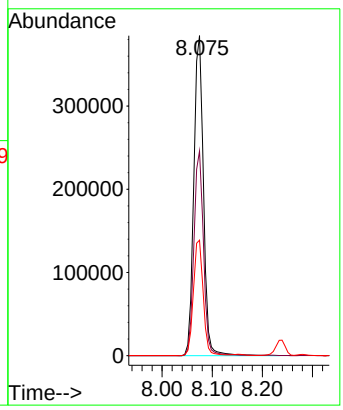


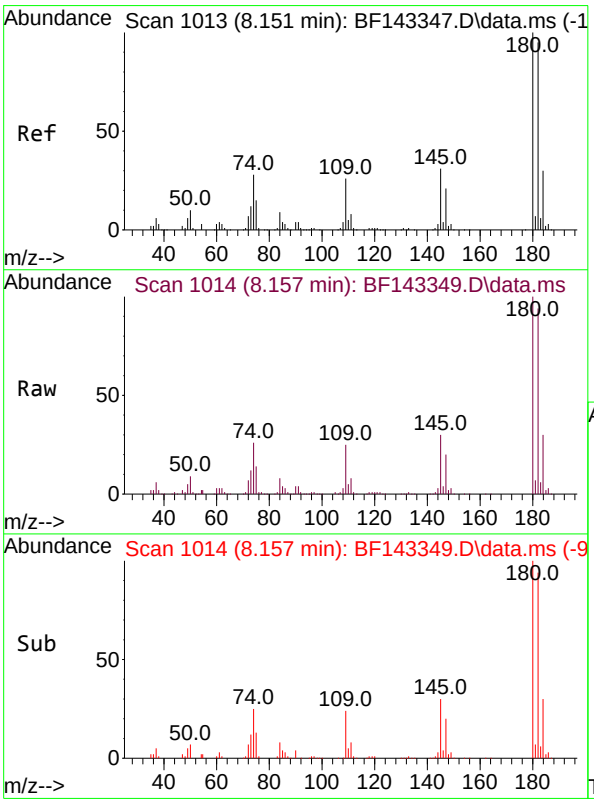
#29
2,4-Dichlorophenol
Concen: 62.732 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 512513

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	36.1	17.7	57.7

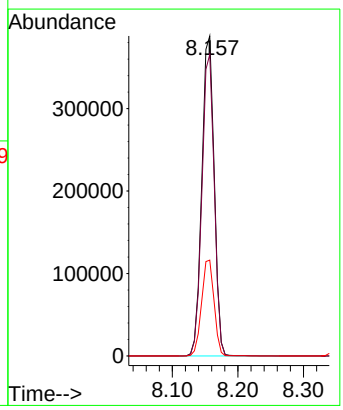


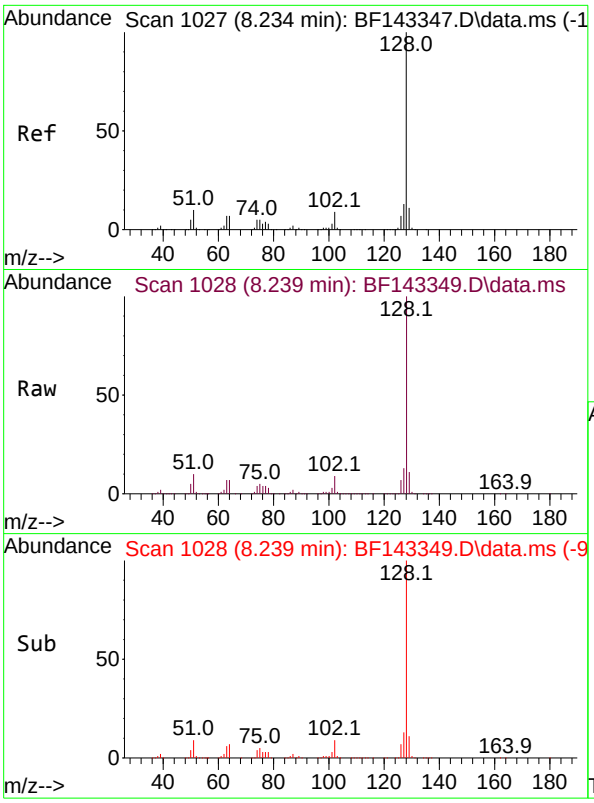


#30
1,2,4-Trichlorobenzene
Concen: 59.275 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:180 Resp: 510824

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	30.0	24.9	37.3



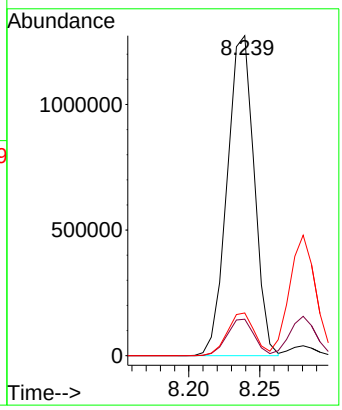


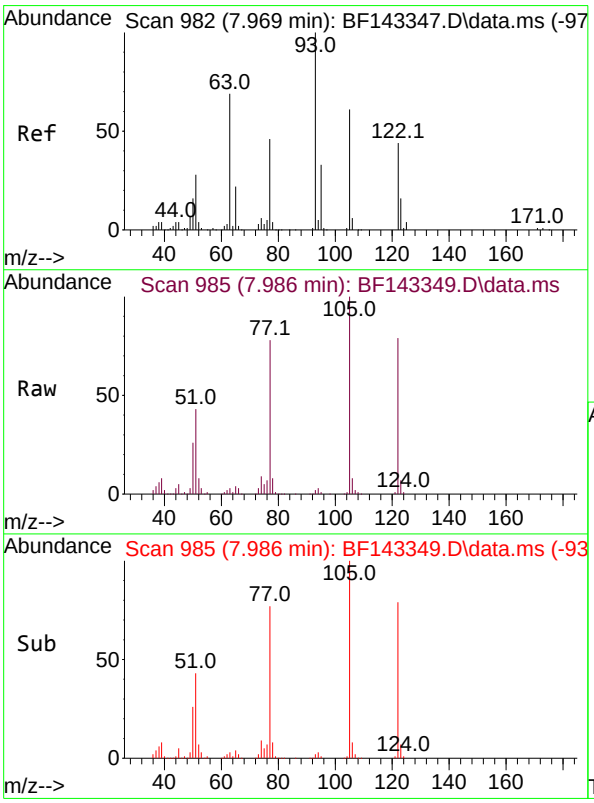
#31
Naphthalene
Concen: 57.179 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1682766

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.3	10.7	16.1

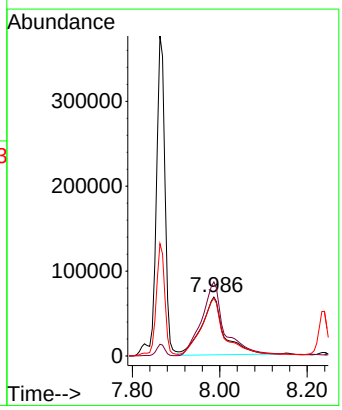


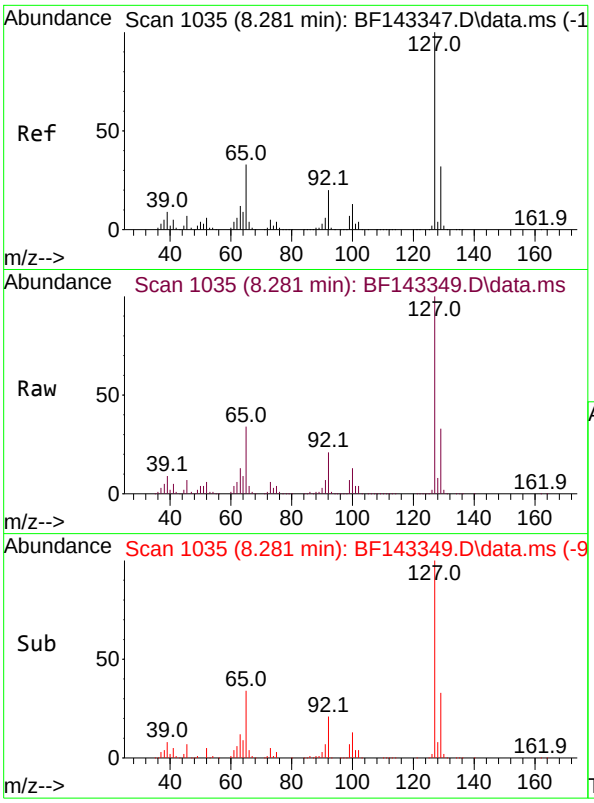


#32
Benzoic acid
Concen: 62.282 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.017 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:122 Resp: 248714

Ion	Ratio	Lower	Upper
122	100		
105	125.9	106.4	146.4
77	98.1	79.2	119.2



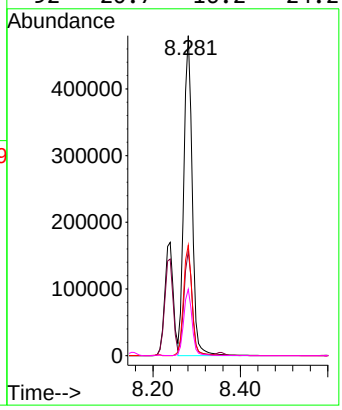


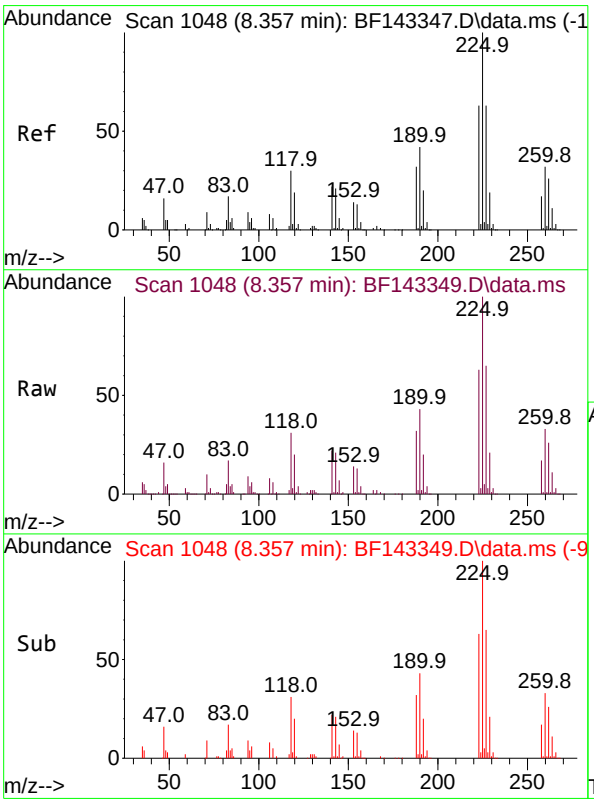
#33
4-Chloroaniline
Concen: 59.564 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 632256

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.5	27.0	40.4
92	20.7	16.2	24.2

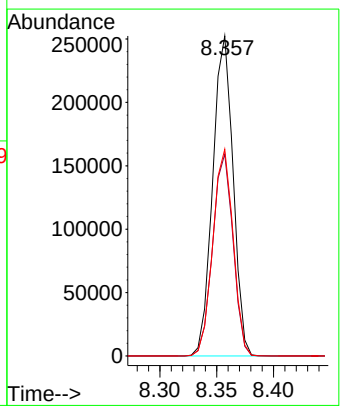


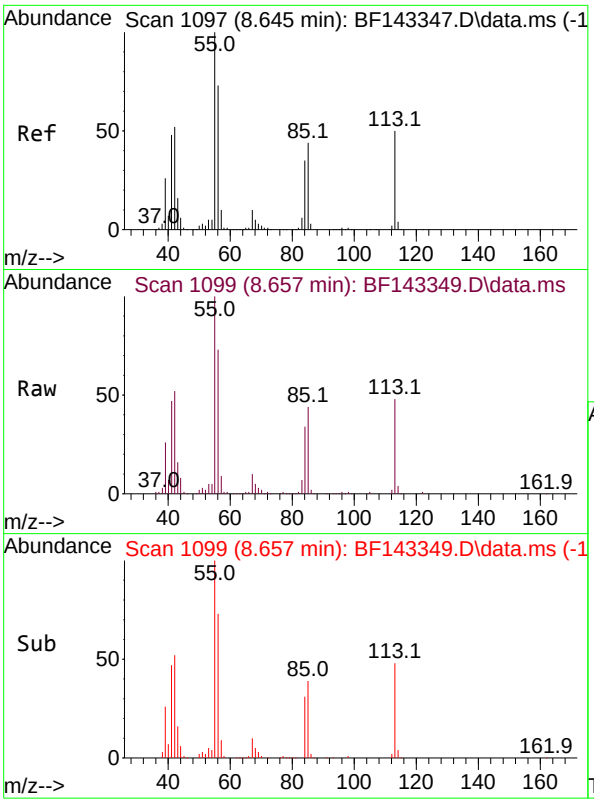


#34
Hexachlorobutadiene
Concen: 58.655 ng
RT: 8.357 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:225 Resp: 314445

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	64.6	50.6	75.8



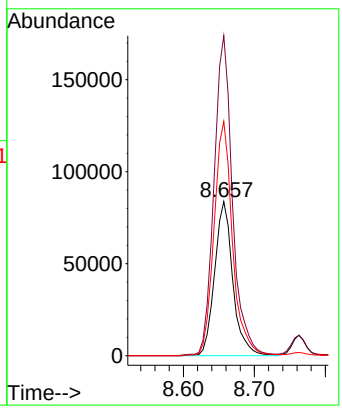


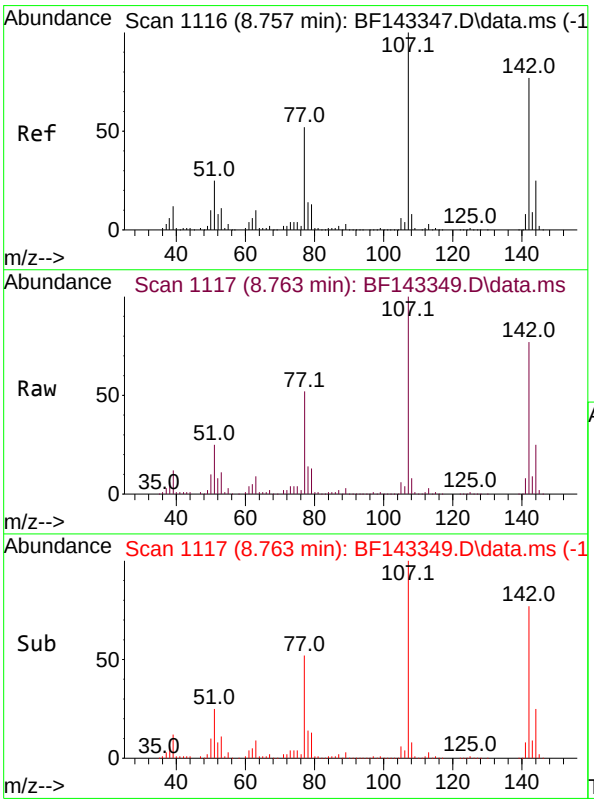
#35
Caprolactam
Concen: 64.696 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 148587

Ion	Ratio	Lower	Upper
113	100		
55	207.6	181.4	221.4
56	152.0	127.3	167.3

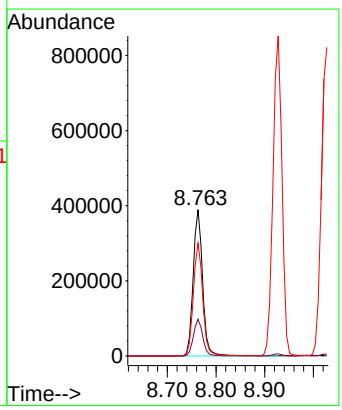


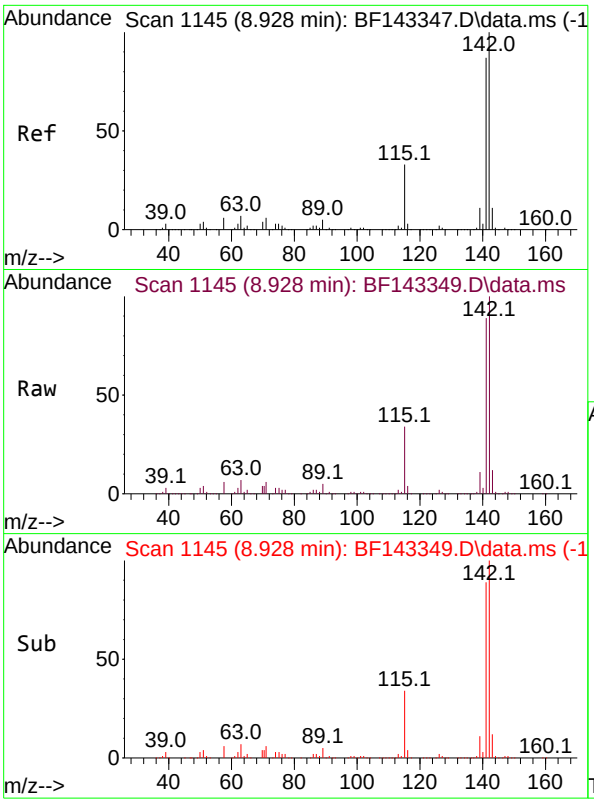


#36
4-Chloro-3-methylphenol
Concen: 61.301 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:107 Resp: 525032

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.0	30.0
142	77.2	61.3	91.9



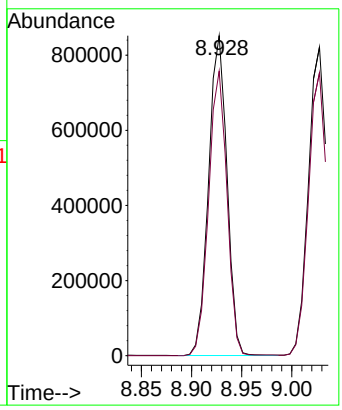


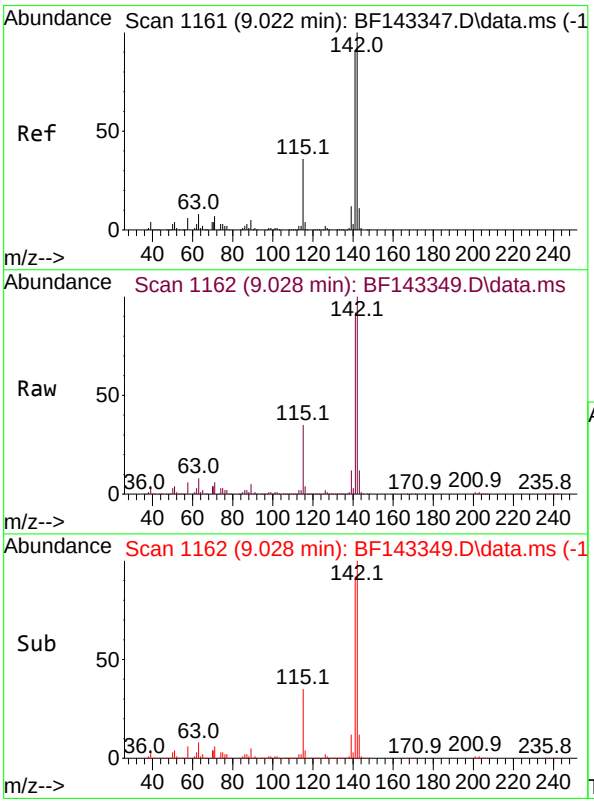
#37
2-Methylnaphthalene
Concen: 56.249 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1088275

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.8	104.8

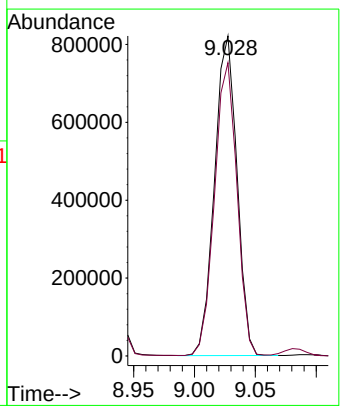


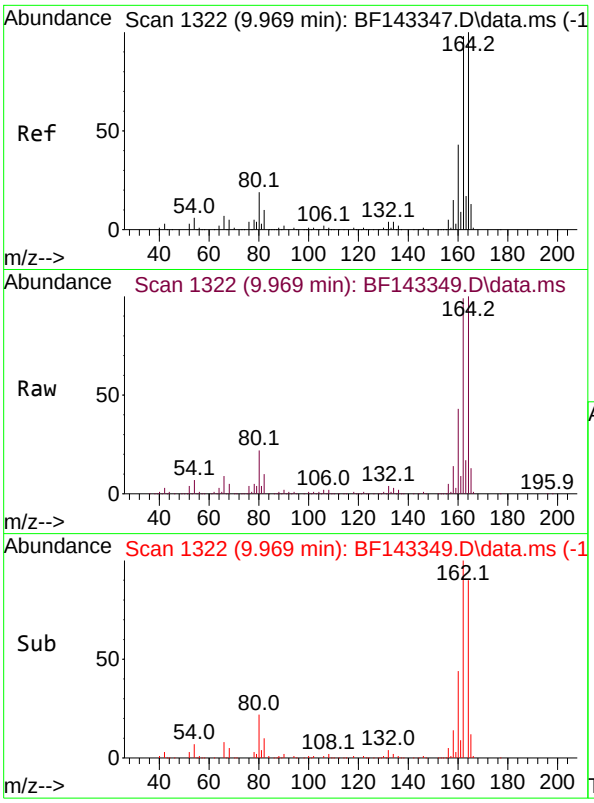


#38
1-Methylnaphthalene
Concen: 56.505 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:142 Resp: 1052909

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.0	109.4



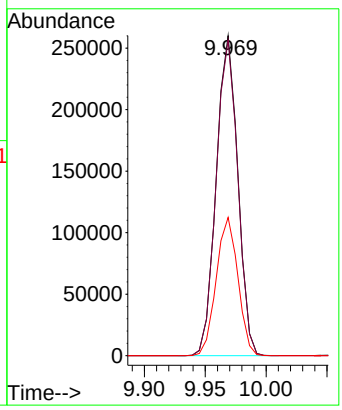


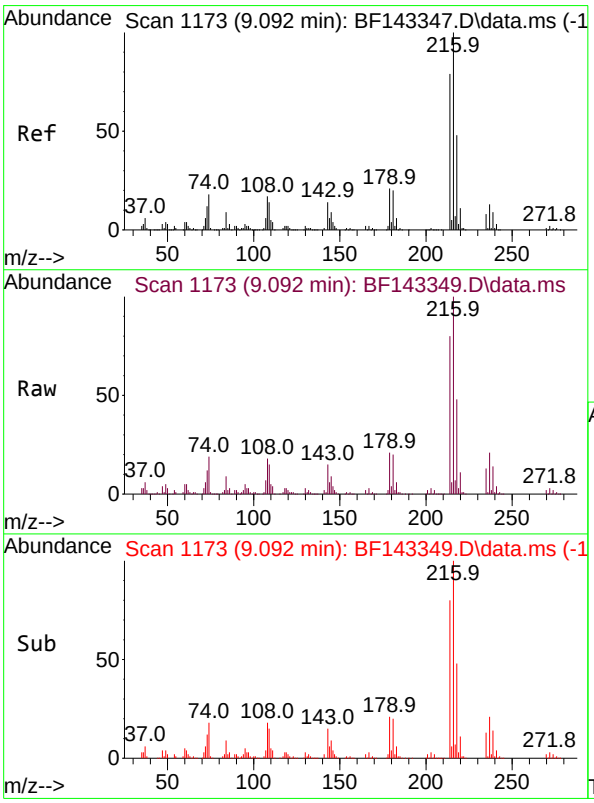
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 320321

Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.6	118.0
160	43.2	34.4	51.6

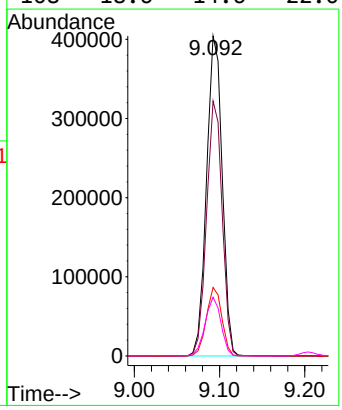


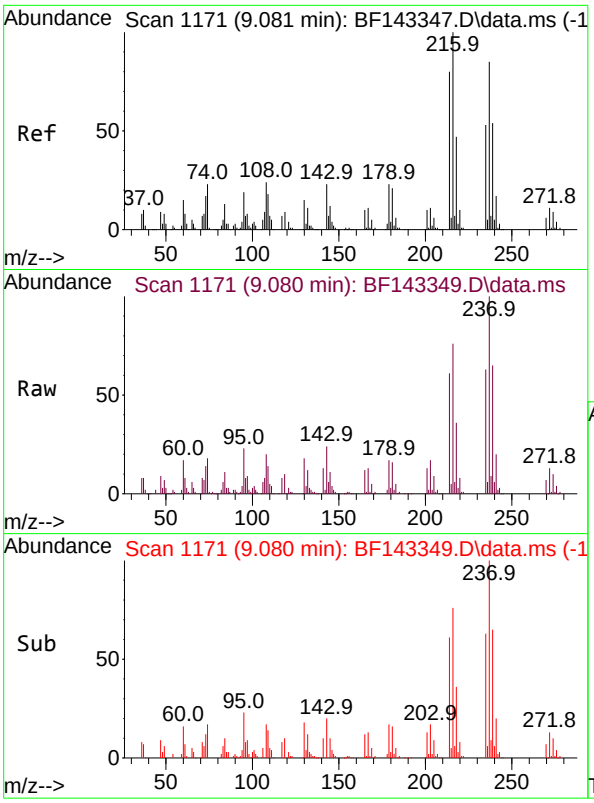


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.880 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:216 Resp: 516108

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.4
179	21.2	17.0	25.4
108	18.6	14.6	22.0



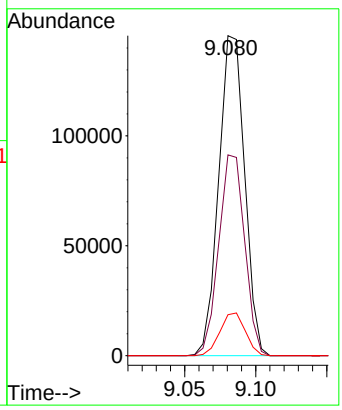


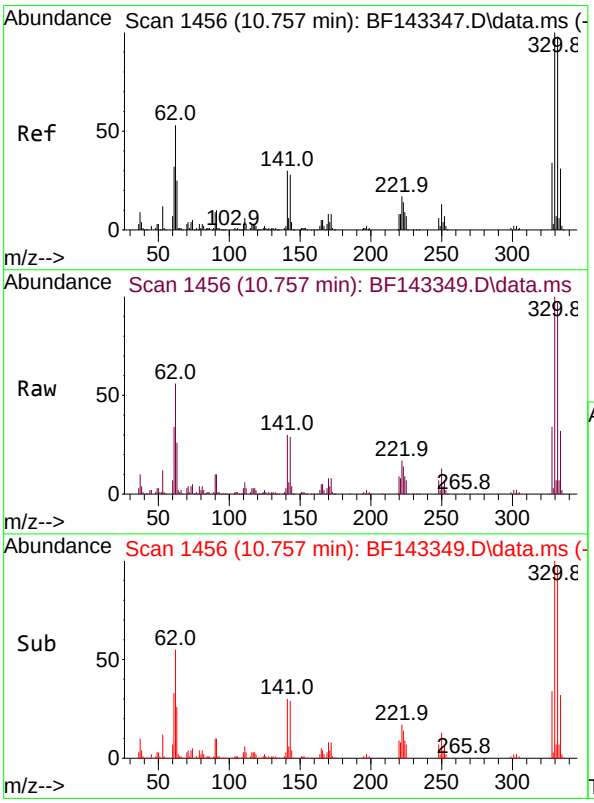
#41
Hexachlorocyclopentadiene
Concen: 61.485 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 184941

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.0	82.0
272	12.8	0.0	32.6

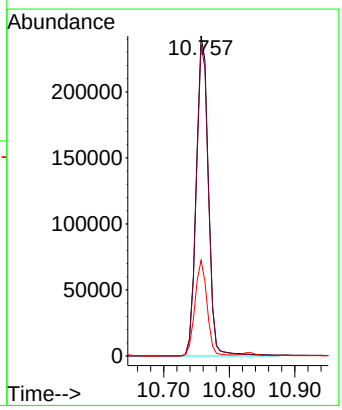


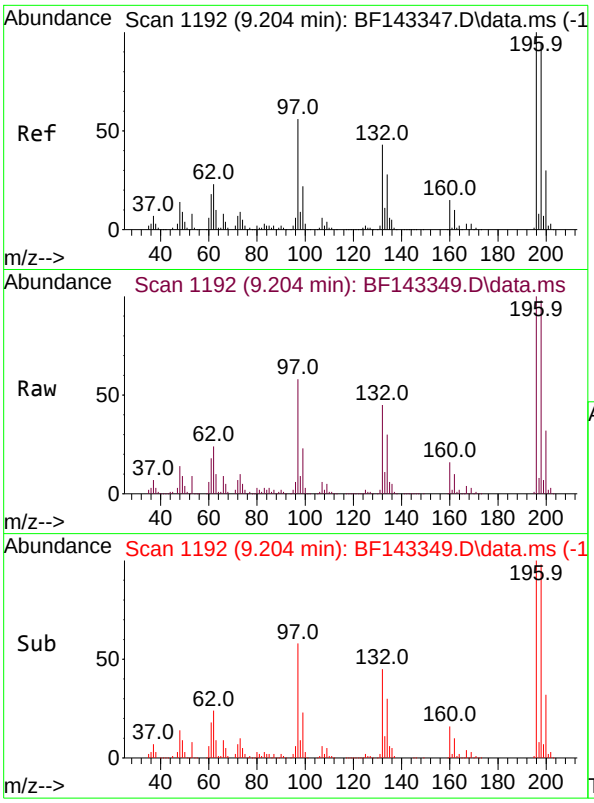


#42
2,4,6-Tribromophenol
Concen: 134.290 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:330 Resp: 314370

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	29.3	25.4	38.0



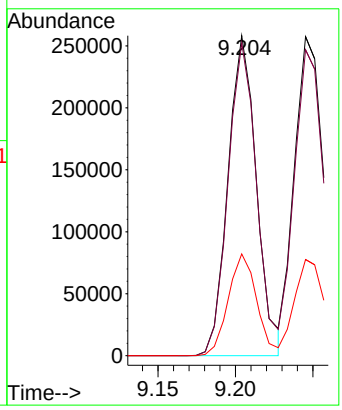


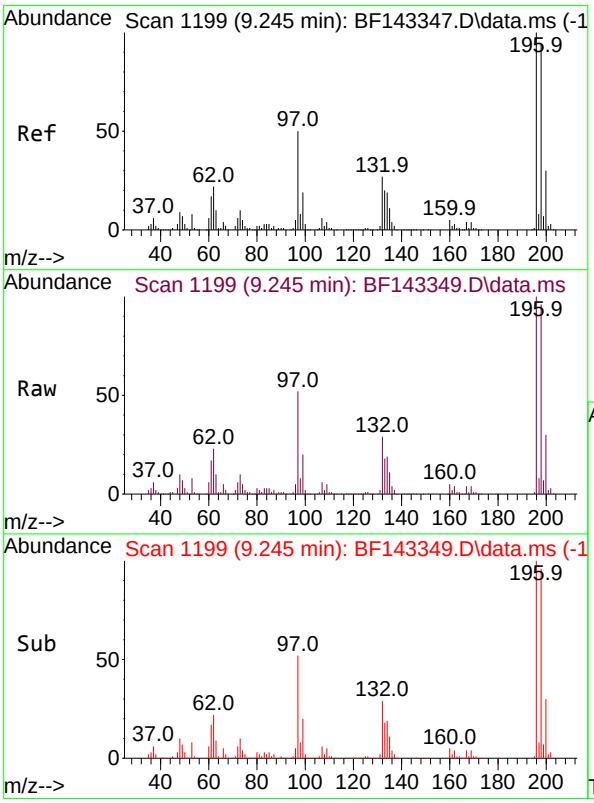
#43
2,4,6-Trichlorophenol
Concen: 66.369 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 330076

Ion	Ratio	Lower	Upper
196	100		
198	97.7	75.4	113.0
200	31.8	24.3	36.5

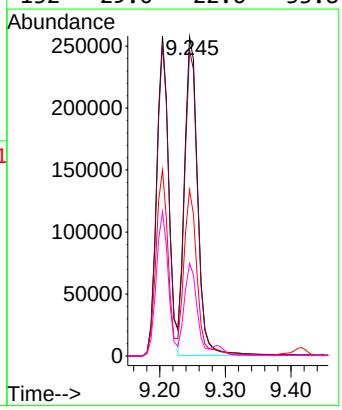


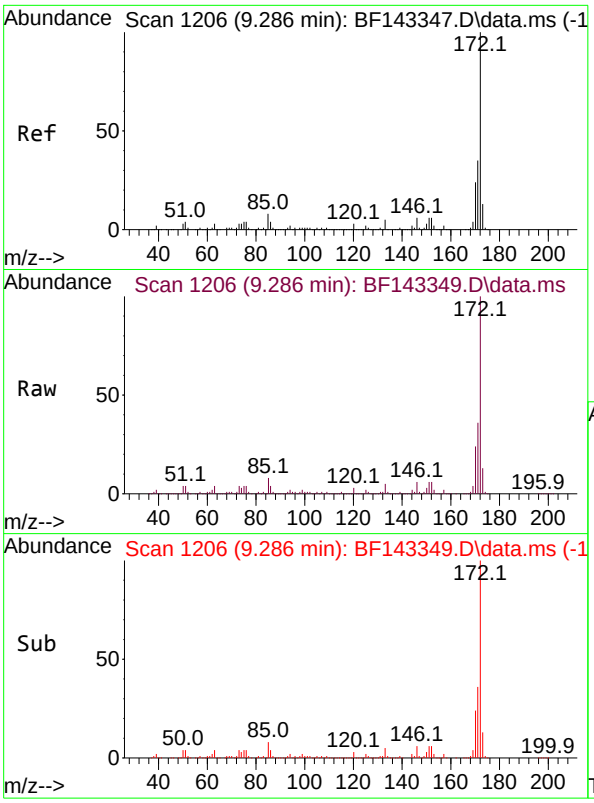


#44
2,4,5-Trichlorophenol
Concen: 63.299 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:196 Resp: 355498

Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.4	113.2
97	52.1	39.9	59.9
132	29.0	22.6	33.8



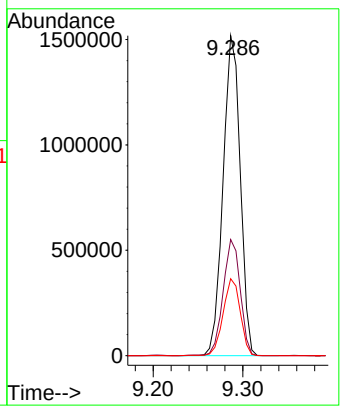


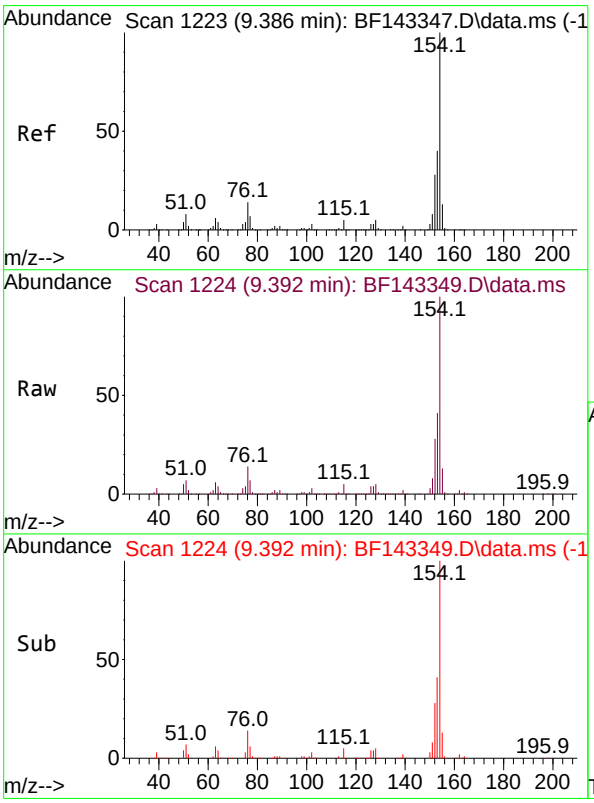
#45
2-Fluorobiphenyl
Concen: 106.990 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2021003

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.4	42.6
170	24.1	19.1	28.7

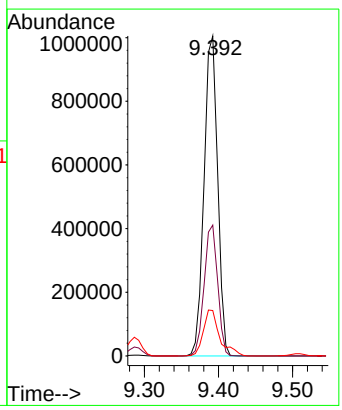


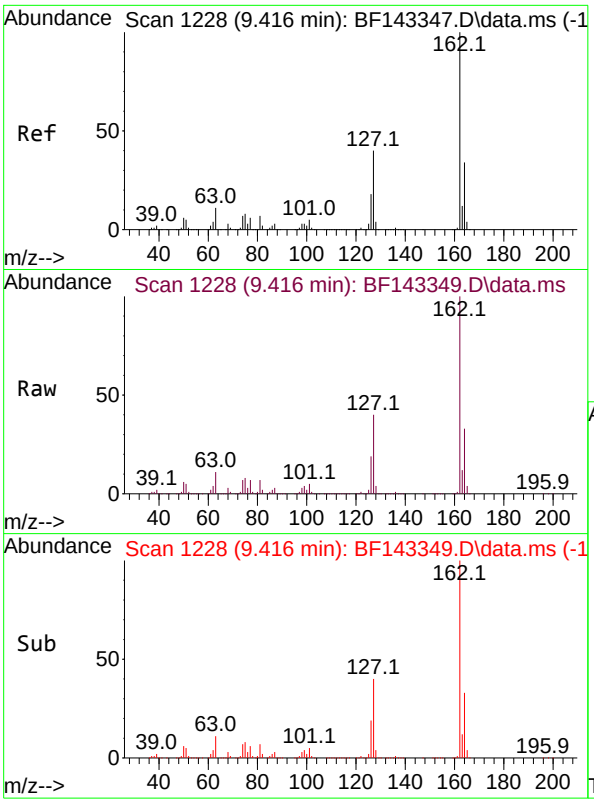


#46
1,1'-Biphenyl
Concen: 56.642 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 1282862

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.2	60.2
76	14.2	0.0	34.4



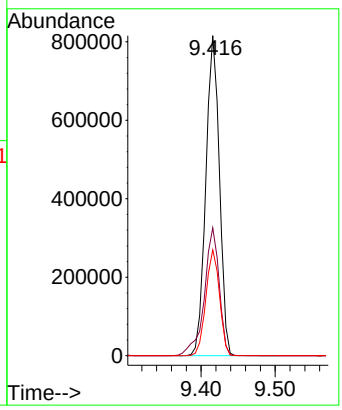


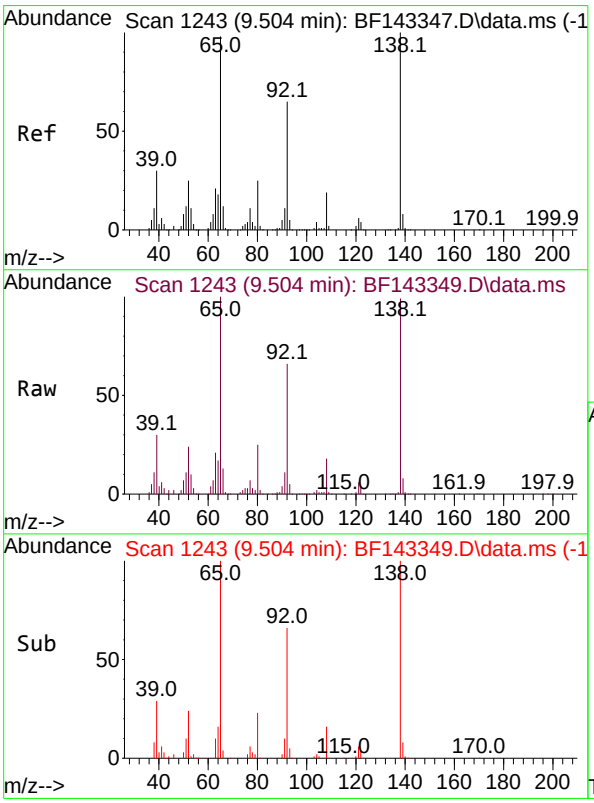
#47
2-Chloronaphthalene
Concen: 58.223 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1038548

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	33.1	27.0	40.4

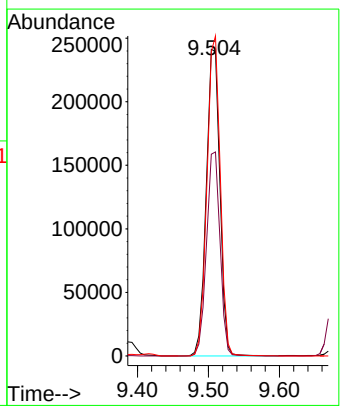


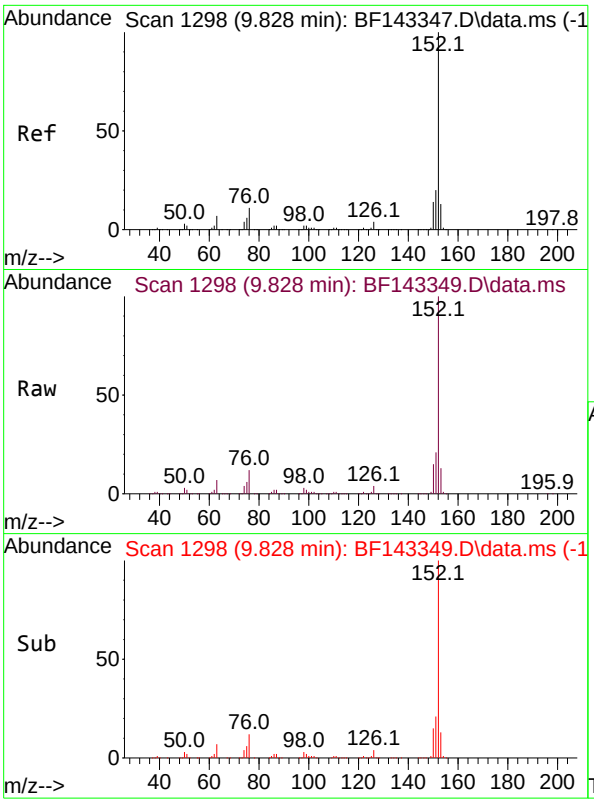


#48
2-Nitroaniline
Concen: 61.917 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 65 Resp: 322909

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.1	79.7
138	99.2	81.4	122.0



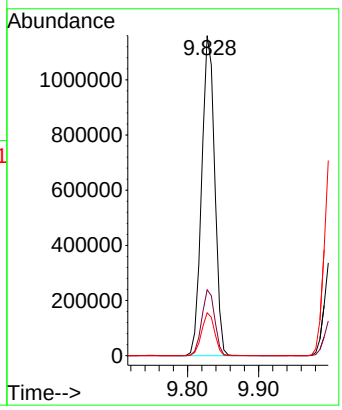


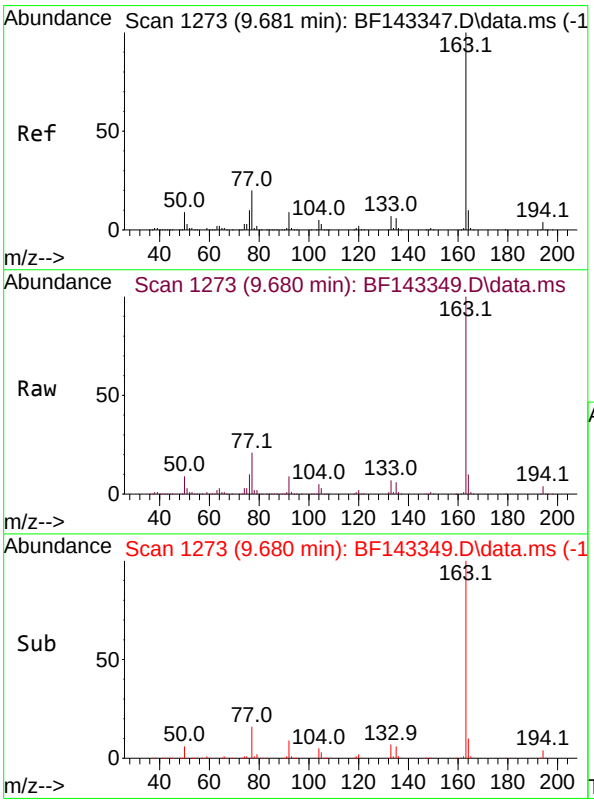
#49
Acenaphthylene
Concen: 57.494 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1481001

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	13.4	10.6	16.0

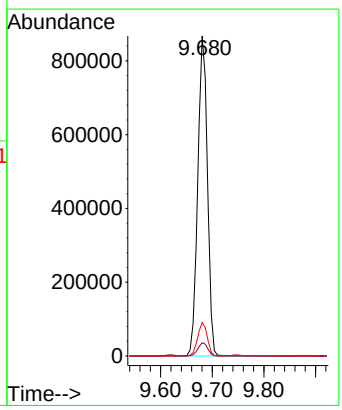


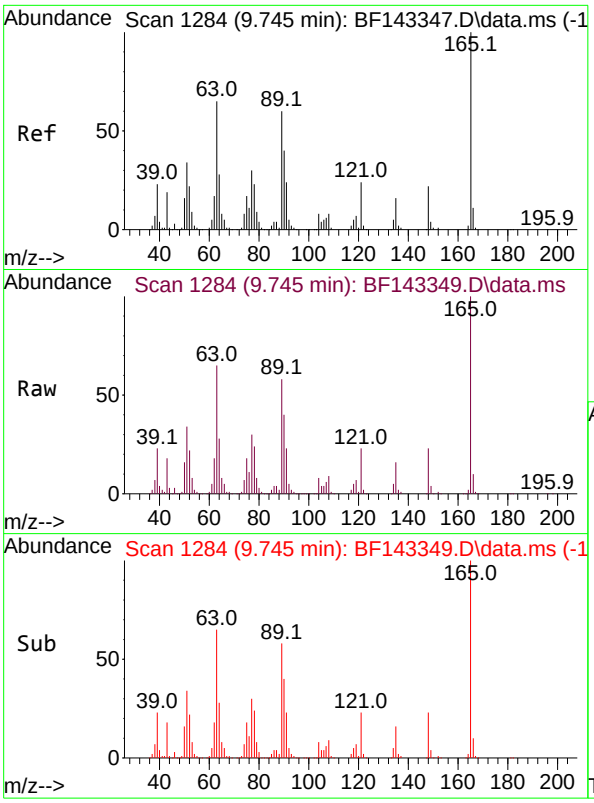


#50
Dimethylphthalate
Concen: 60.109 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:163 Resp: 1125050

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.5	8.2	12.2



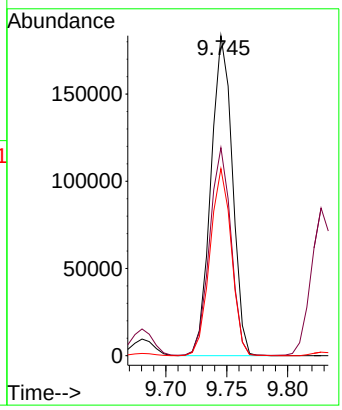


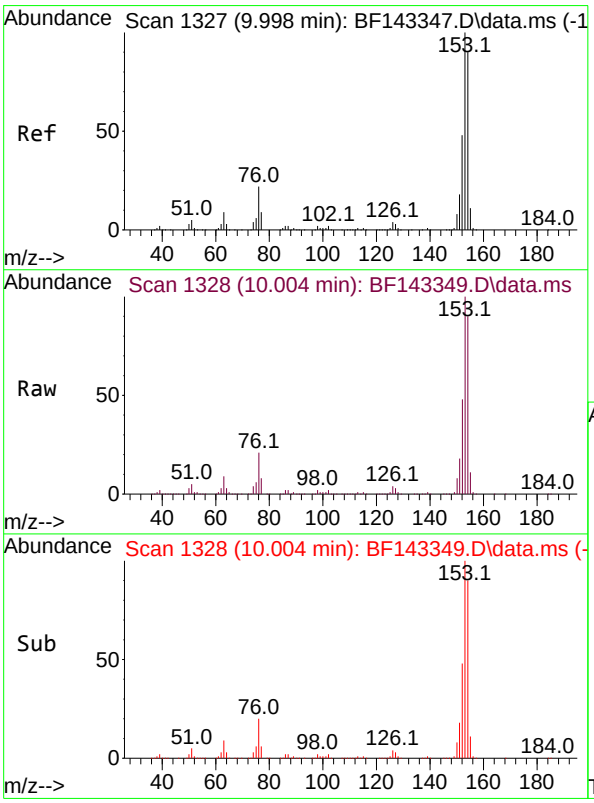
#51
2,6-Dinitrotoluene
Concen: 62.496 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 224724

Ion	Ratio	Lower	Upper
165	100		
63	65.0	51.6	77.4
89	58.4	47.7	71.5

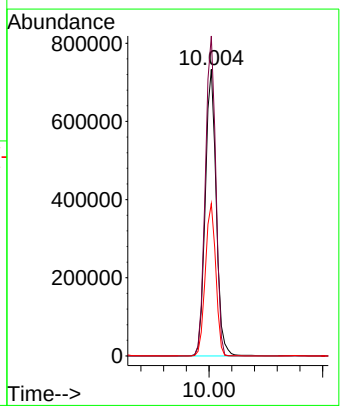


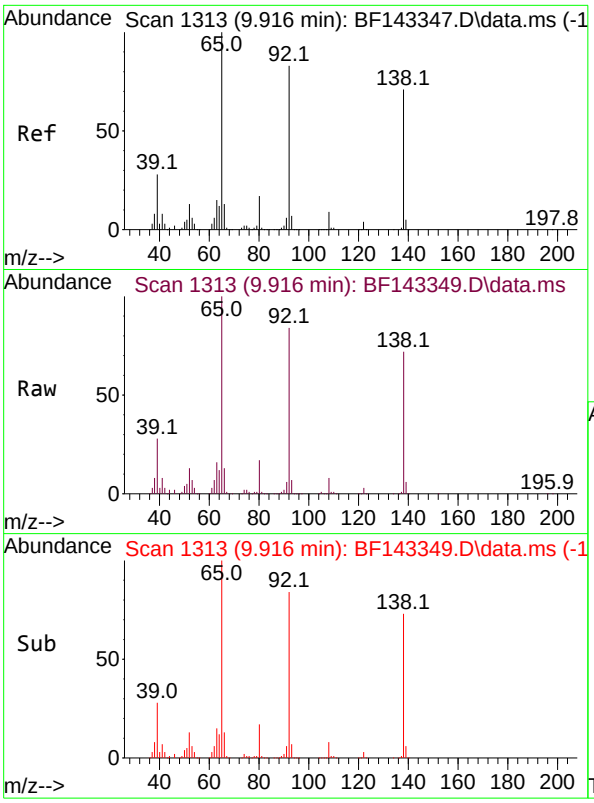


#52
Acenaphthene
Concen: 57.055 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 977067

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.5	132.7
152	53.1	42.4	63.6



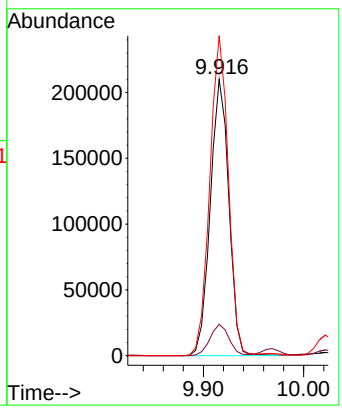


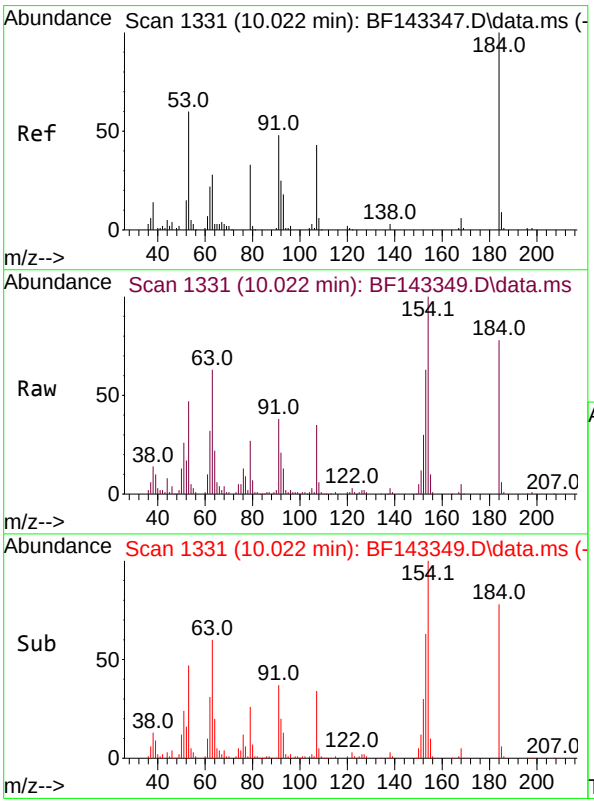
#53
3-Nitroaniline
Concen: 70.462 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 270085

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.6	14.4
92	115.8	93.4	140.2

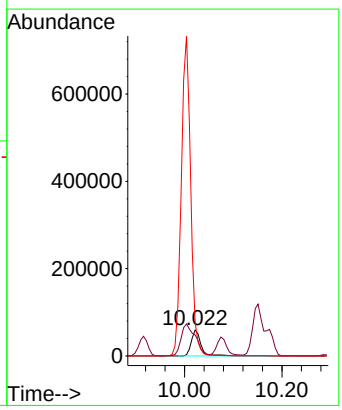


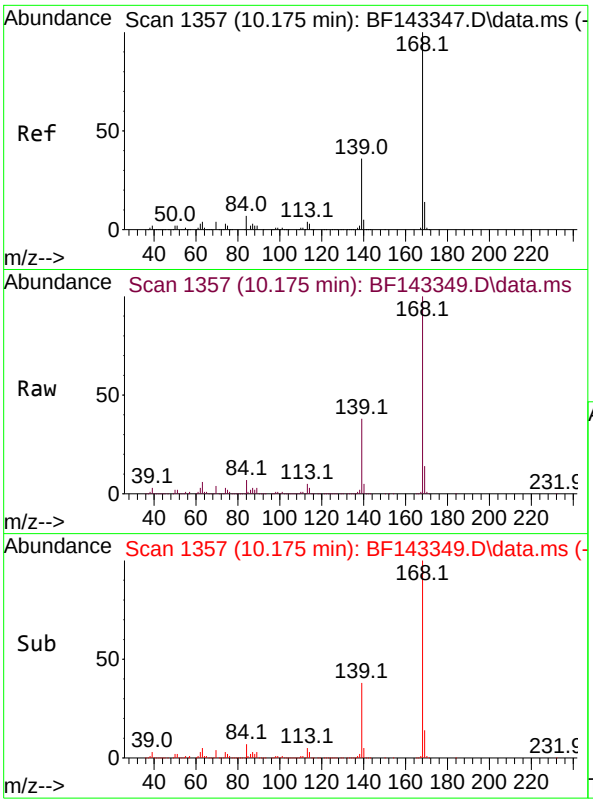


#54
2,4-Dinitrophenol
Concen: 62.319 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:184 Resp: 82451

Ion	Ratio	Lower	Upper
184	100		
63	81.0	62.5	93.7
154	128.7	73.0	109.4#



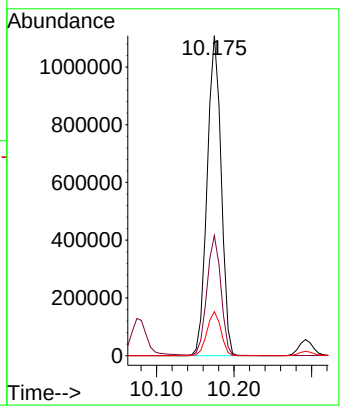


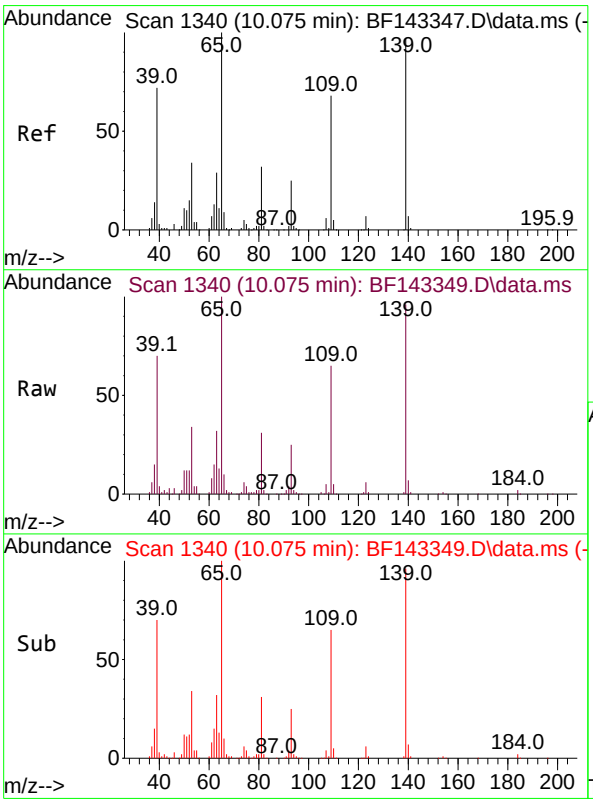
#55
Dibenzofuran
Concen: 56.379 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1389556

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.4	44.0
169	13.8	11.0	16.6

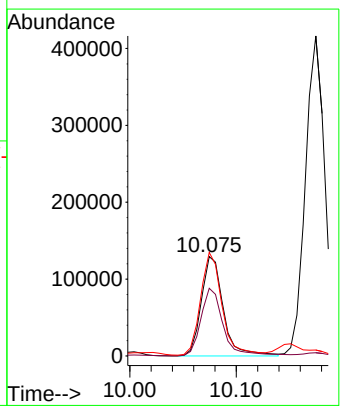


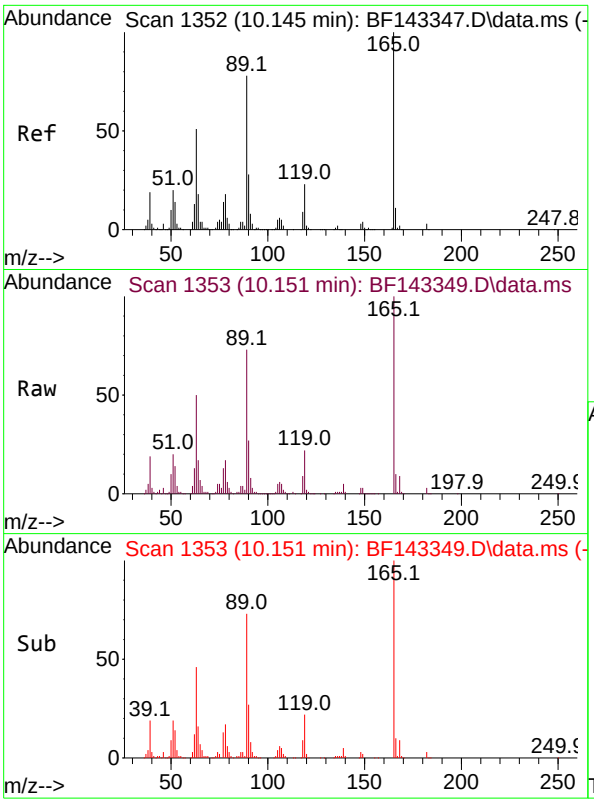


#56
4-Nitrophenol
Concen: 62.130 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:139 Resp: 186307

Ion	Ratio	Lower	Upper
139	100		
109	68.0	49.4	89.4
65	104.1	83.7	123.7



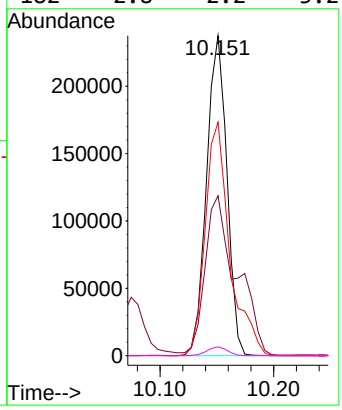


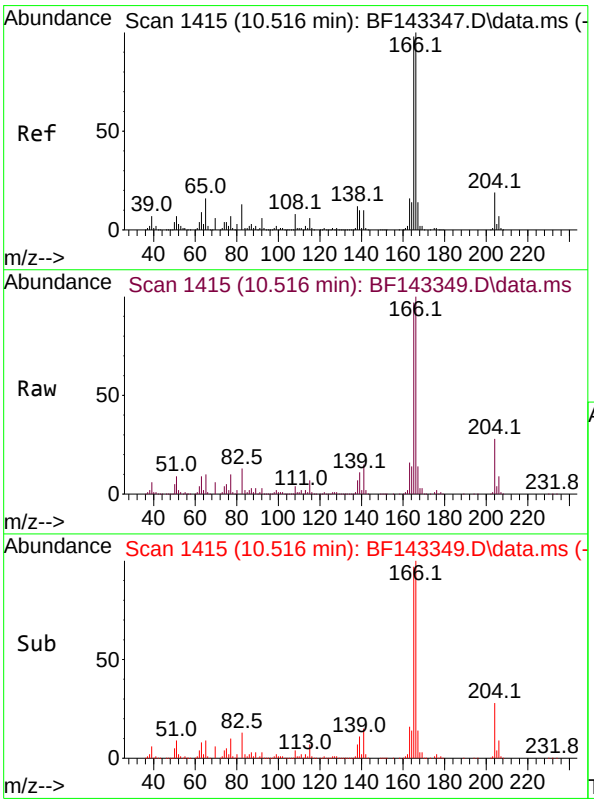
#57
2,4-Dinitrotoluene
Concen: 61.944 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 295520

Ion	Ratio	Lower	Upper
165	100		
63	50.0	41.8	62.8
89	73.0	62.4	93.6
182	2.8	2.2	3.2

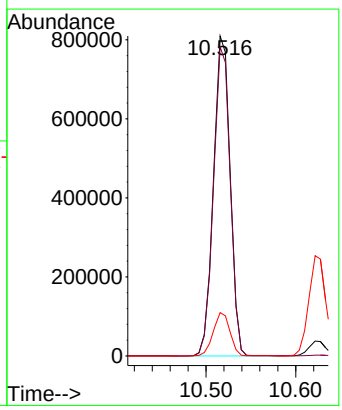


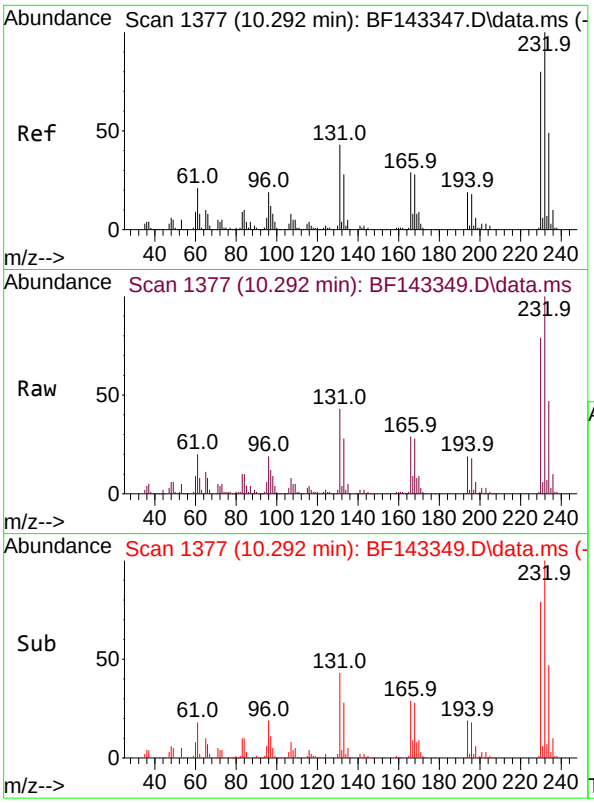


#58
Fluorene
Concen: 55.570 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:166 Resp: 1046138

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.4
167	13.6	10.9	16.3



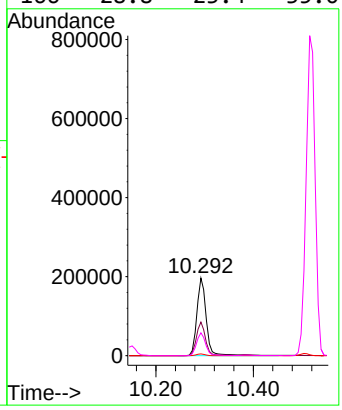


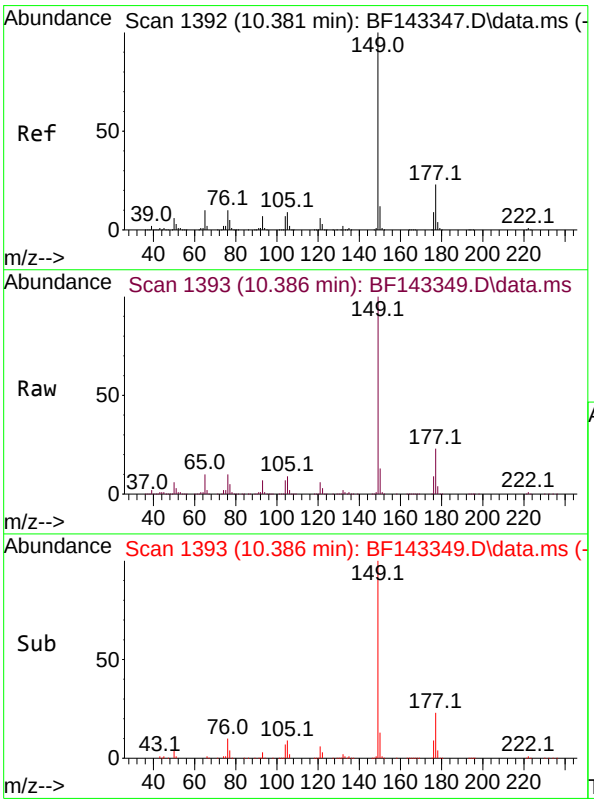
#59
2,3,4,6-Tetrachlorophenol
Concen: 70.050 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 265201

Ion	Ratio	Lower	Upper
232	100		
131	42.0	34.6	51.8
130	2.1	1.7	2.5
166	28.8	23.4	35.0

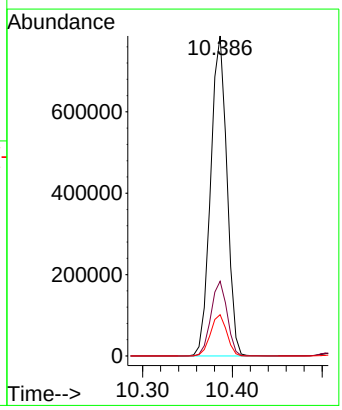


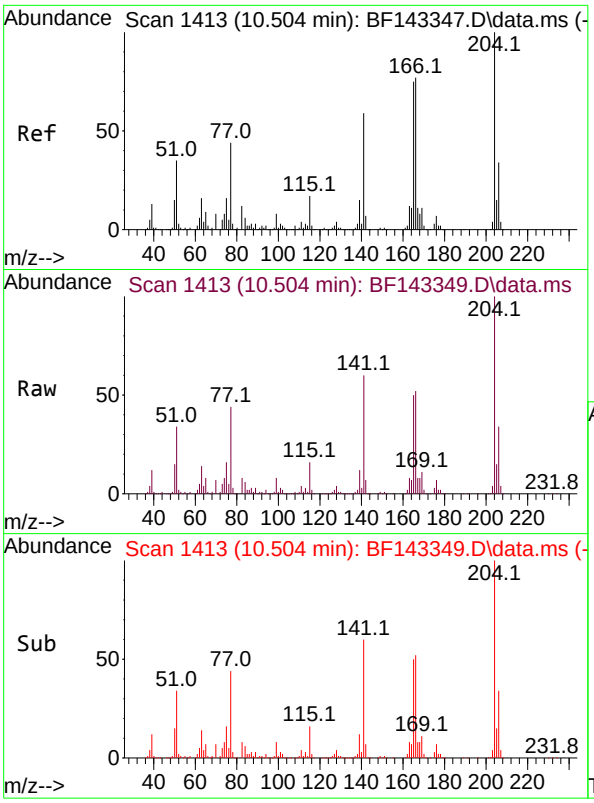


#60
Diethylphthalate
Concen: 59.094 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 990716

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.9	9.9	14.9



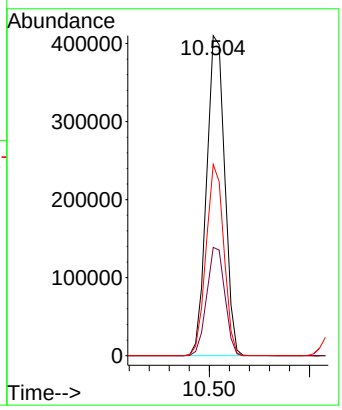


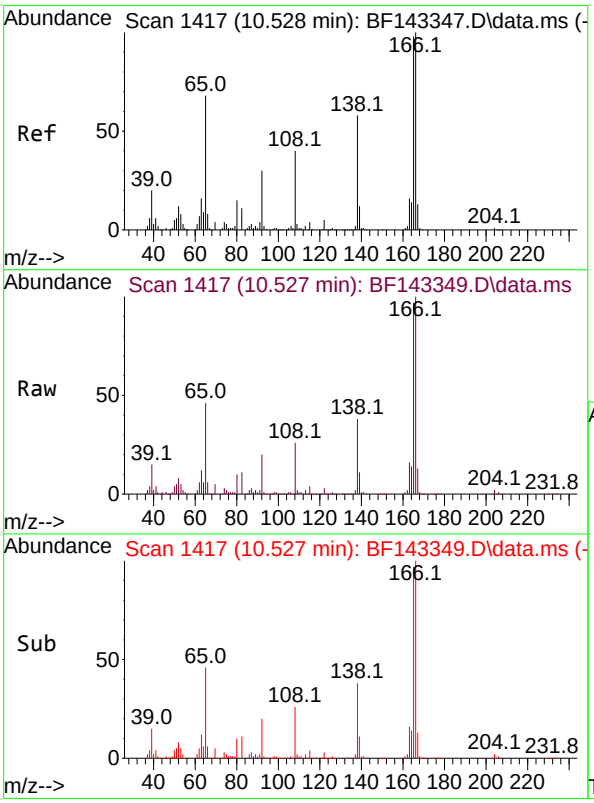
#61
4-Chlorophenyl-phenylether
Concen: 56.664 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 515436

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	59.8	46.9	70.3

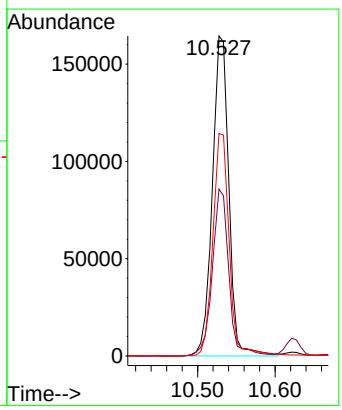


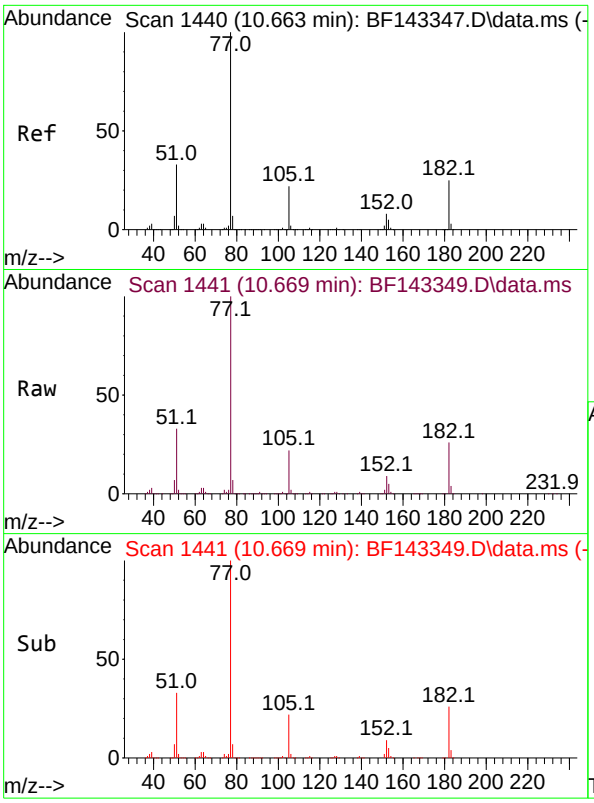


#62
4-Nitroaniline
Concen: 65.508 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:138 Resp: 242938

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.2	71.2
108	69.5	48.1	88.1



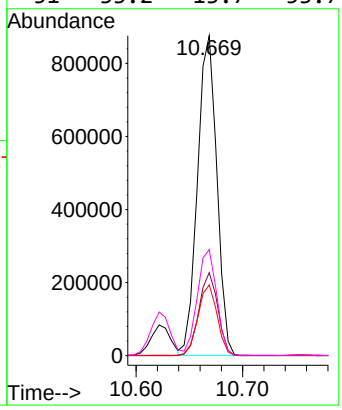


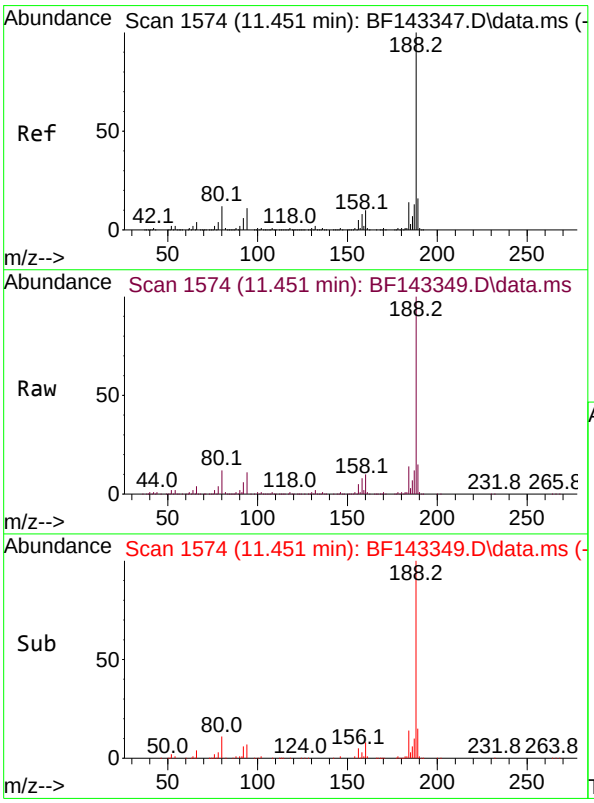
#63
Azobenzene
Concen: 57.669 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1104323

Ion	Ratio	Lower	Upper
77	100		
182	26.0	4.4	44.4
105	22.1	1.8	41.8
51	33.2	13.7	53.7

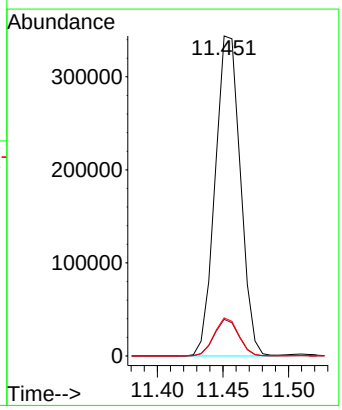


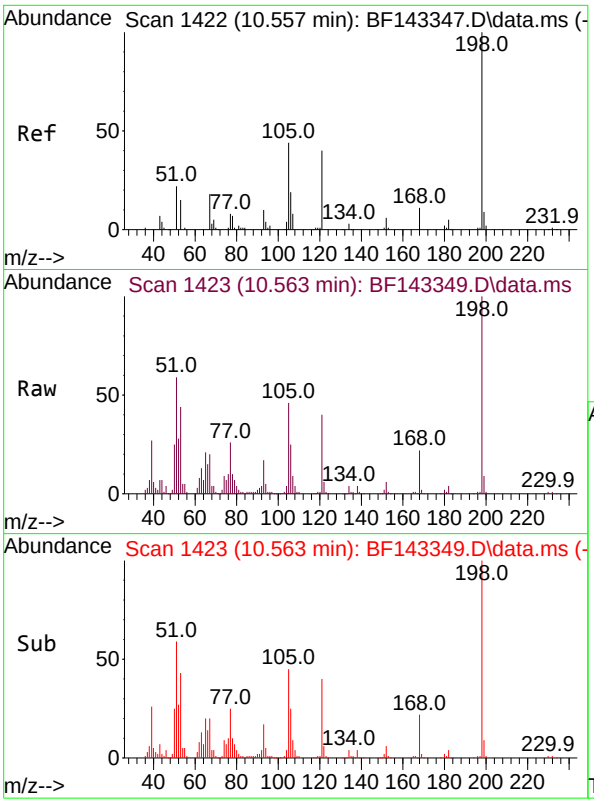


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:188 Resp: 460173

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.8	13.2
80	11.9	9.7	14.5



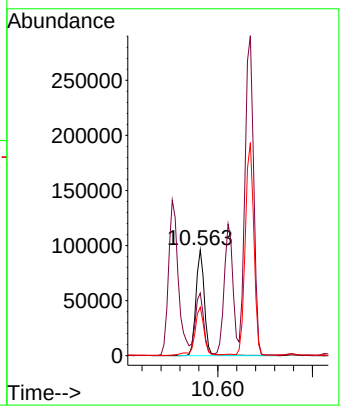


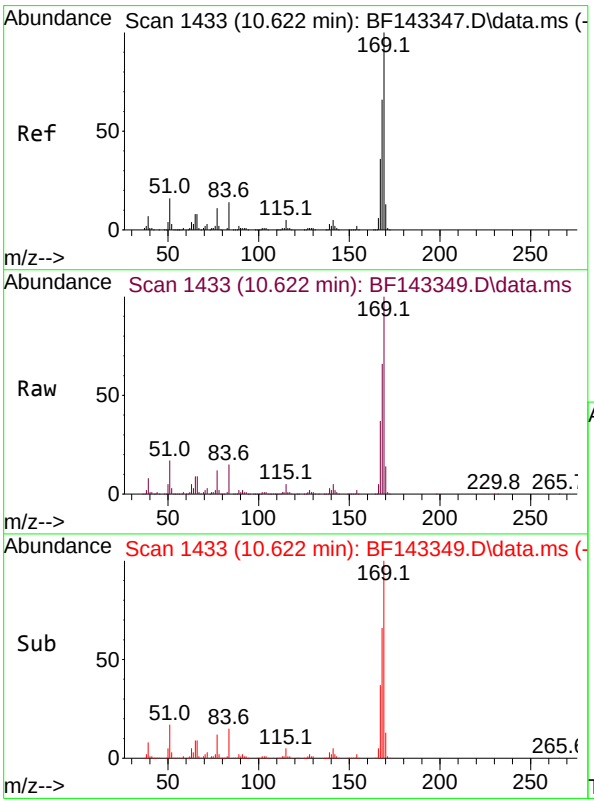
#65
4,6-Dinitro-2-methylphenol
Concen: 61.844 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 119734

Ion	Ratio	Lower	Upper
198	100		
51	59.2	41.7	81.7
105	45.8	26.8	66.8

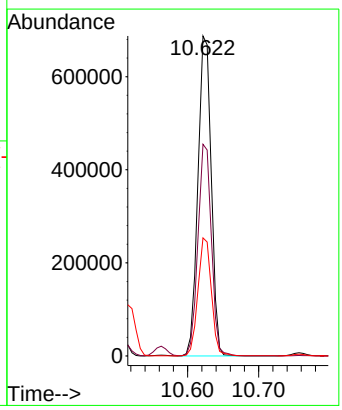


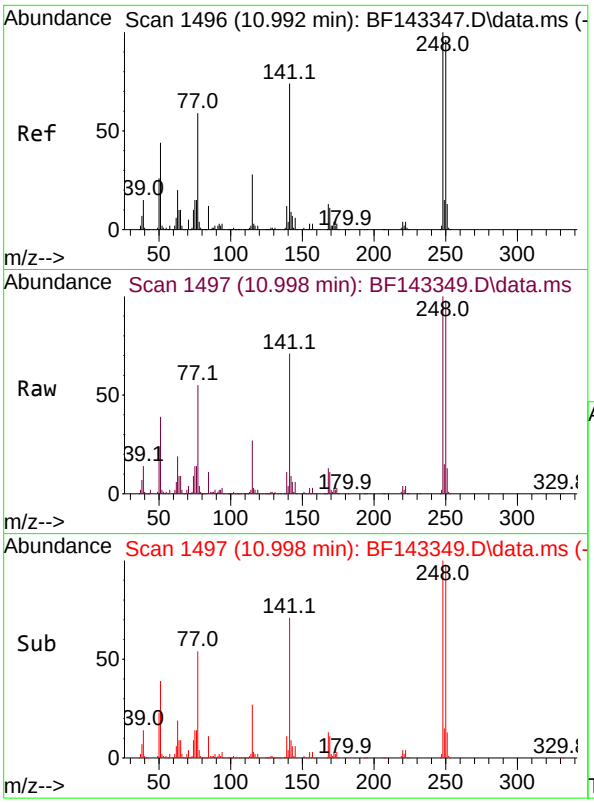


#66
n-Nitrosodiphenylamine
Concen: 59.328 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:169 Resp: 898967

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.7	79.1
167	36.9	28.6	42.8



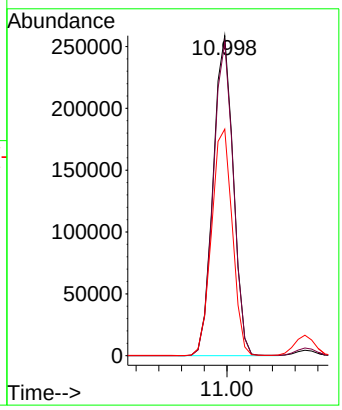


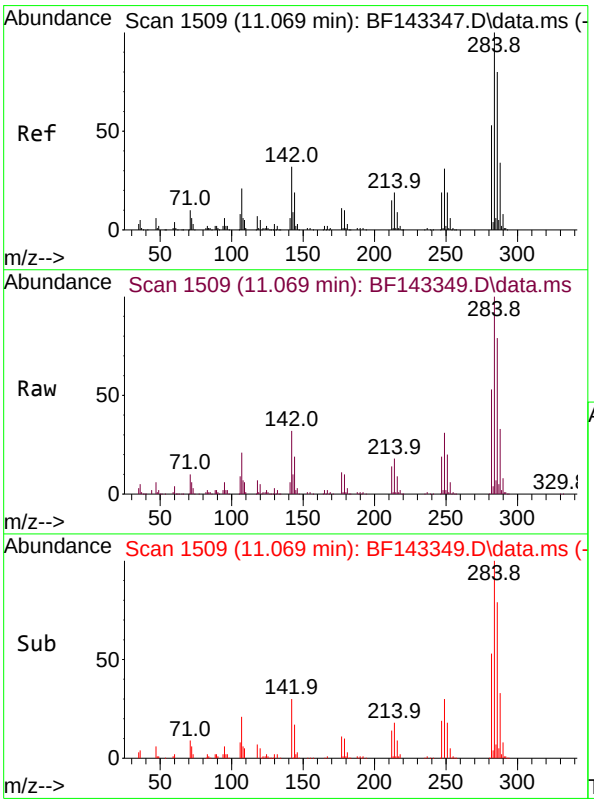
#67
4-Bromophenyl-phenylether
Concen: 60.555 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 318696

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.1	115.7
141	70.8	59.1	88.7

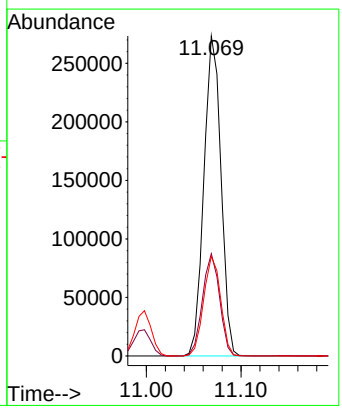


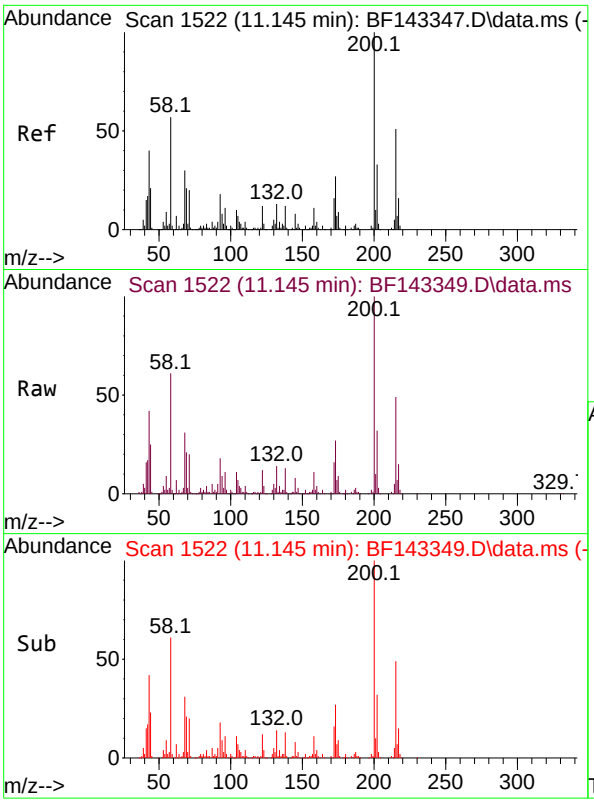


#68
Hexachlorobenzene
Concen: 60.282 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:284 Resp: 341976

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.7	38.5
249	31.1	24.6	37.0



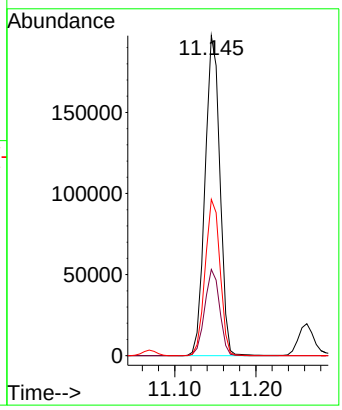


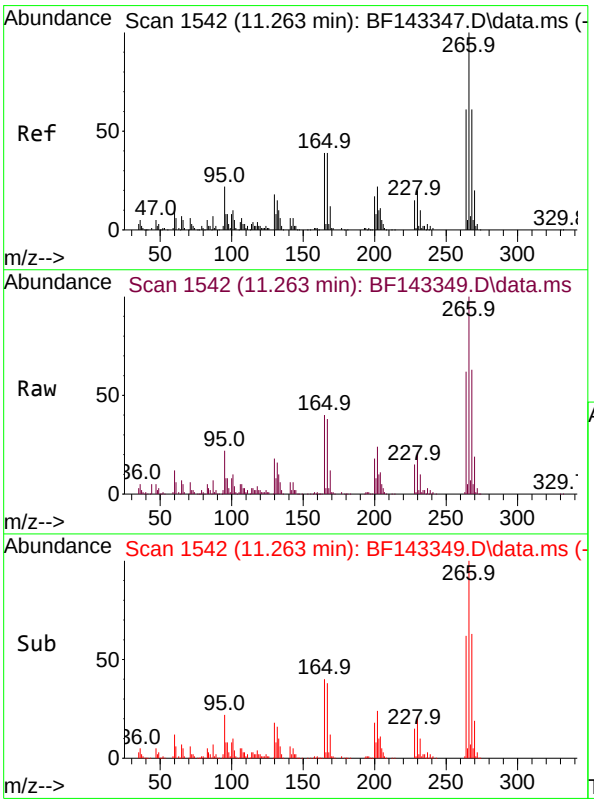
#69
Atrazine
Concen: 63.410 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 250602

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.6	46.6
215	48.9	30.6	70.6

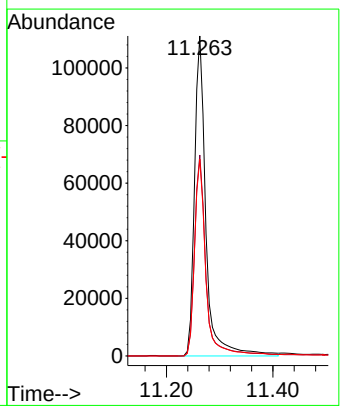


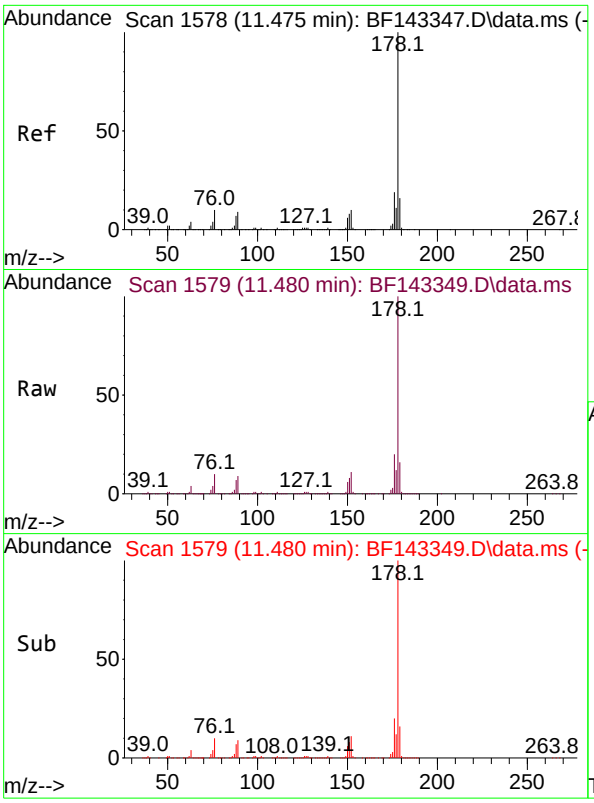


#70
Pentachlorophenol
Concen: 61.169 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:266 Resp: 165675

Ion	Ratio	Lower	Upper
266	100		
268	62.8	48.8	73.2
264	61.5	48.8	73.2



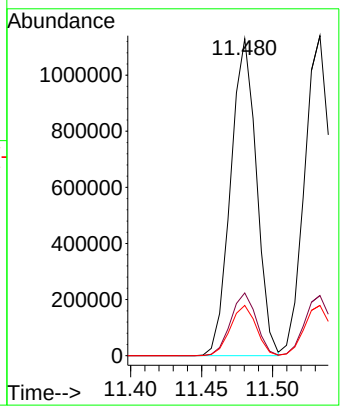


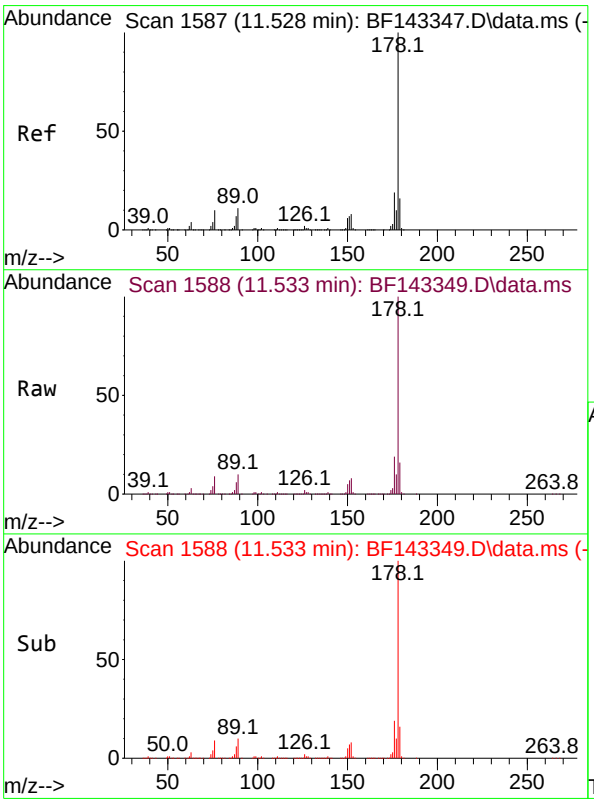
#71
Phenanthrene
Concen: 56.831 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1426848

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.5	18.7

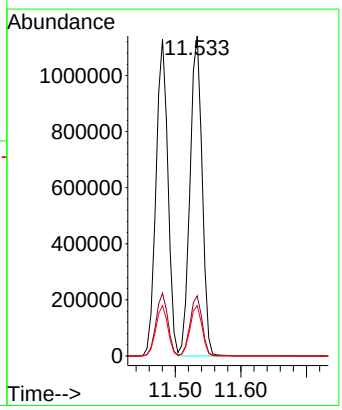


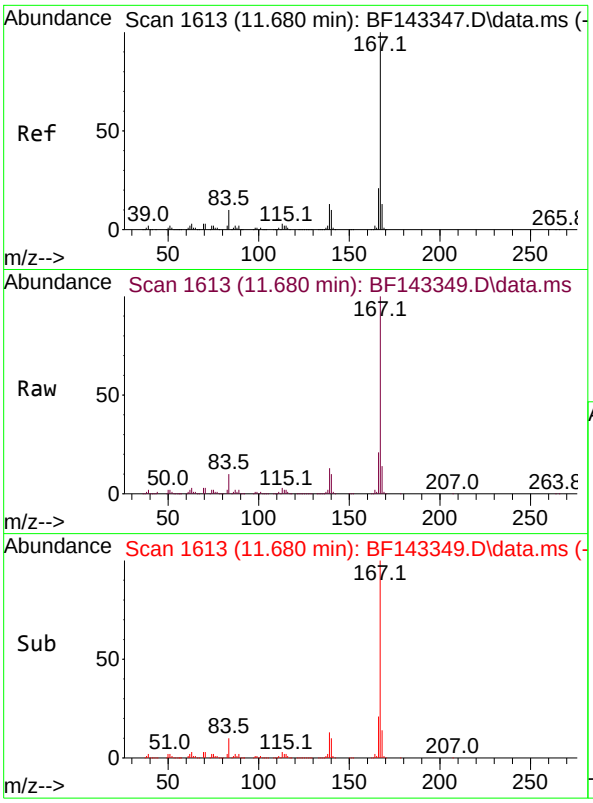


#72
Anthracene
Concen: 57.330 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:178 Resp: 1459751

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.7	19.1



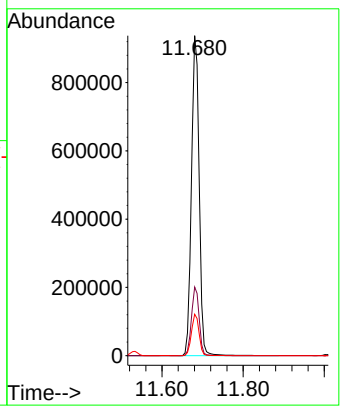


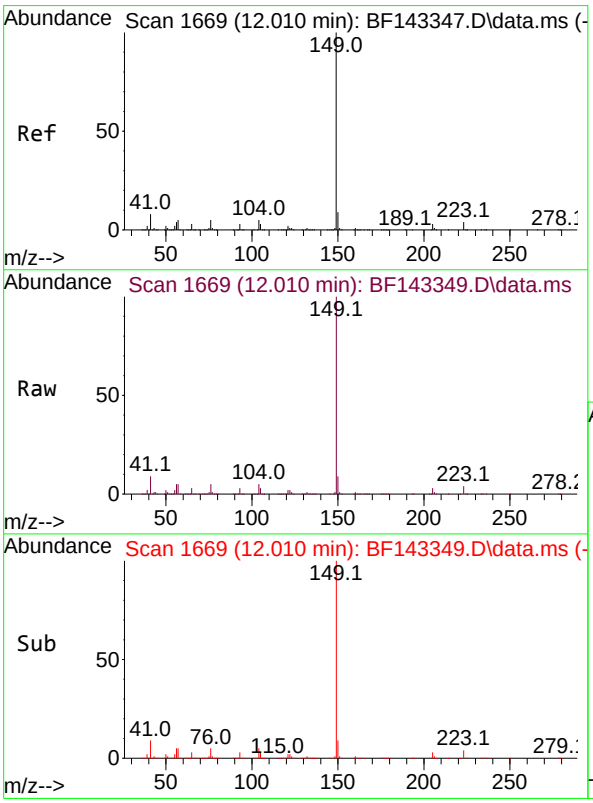
#73
Carbazole
Concen: 56.857 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1232939

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	13.0	10.2	15.2

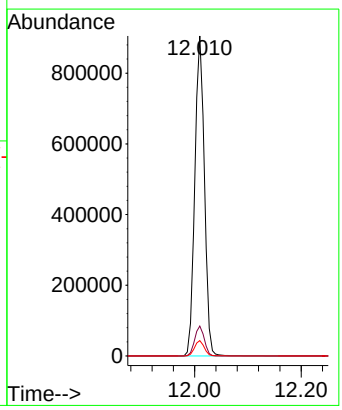


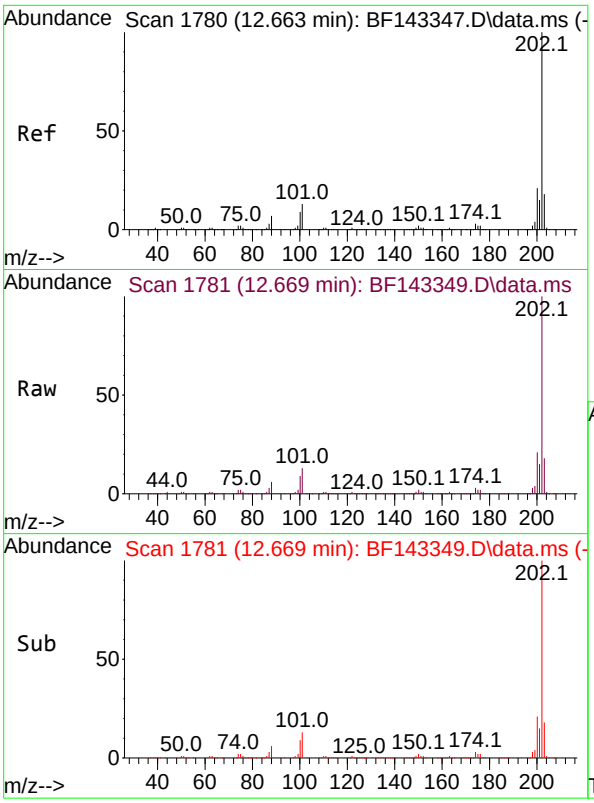


#74
Di-n-butylphthalate
Concen: 61.437 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 1127365

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	3.8	5.8



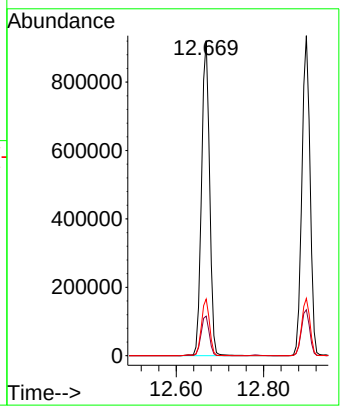


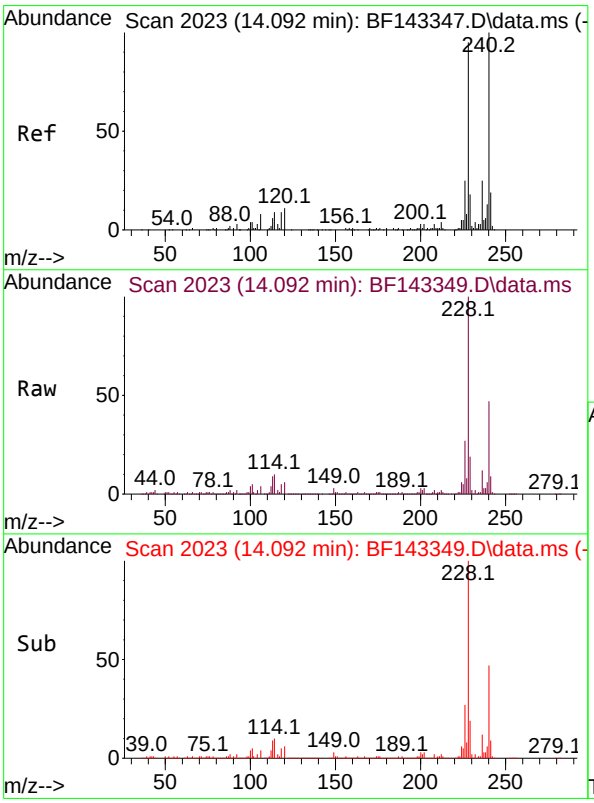
#75
Fluoranthene
Concen: 53.737 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1181812

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	18.0	0.0	37.6

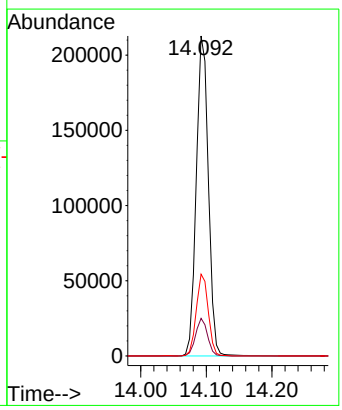


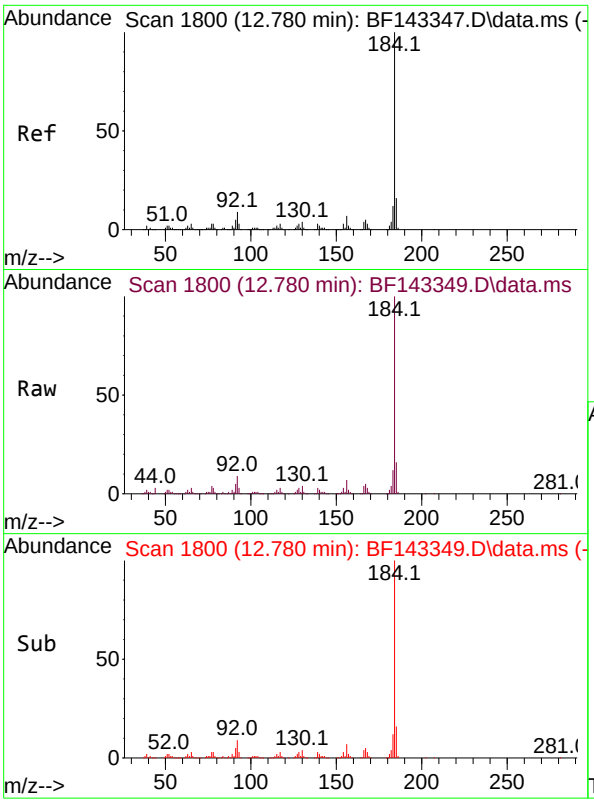


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:240 Resp: 273246

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.6	19.9	29.9



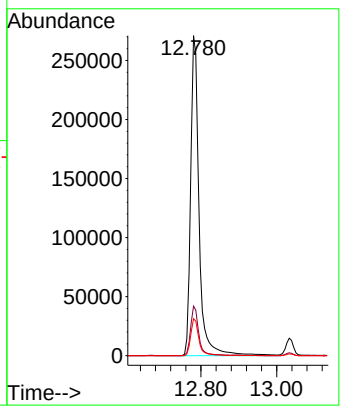


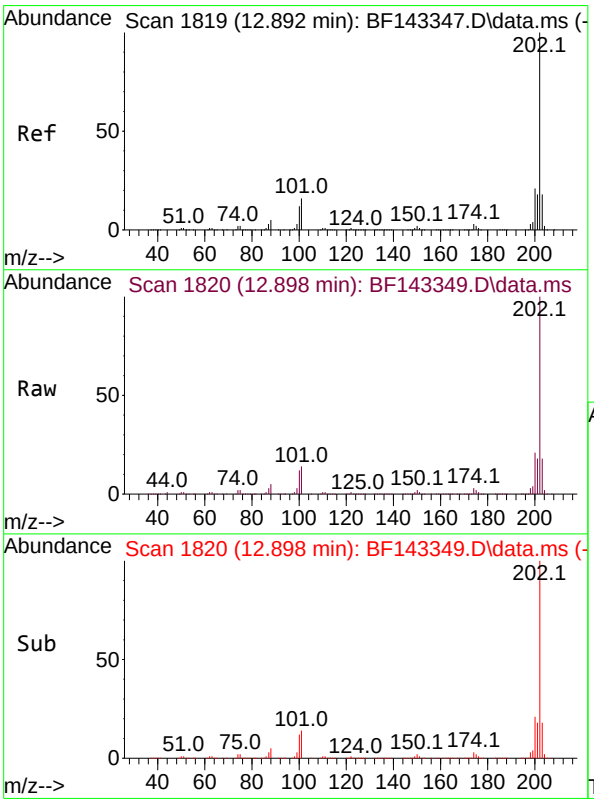
#77
Benzidine
Concen: 56.115 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 419198

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.8	19.2
183	11.5	9.3	13.9

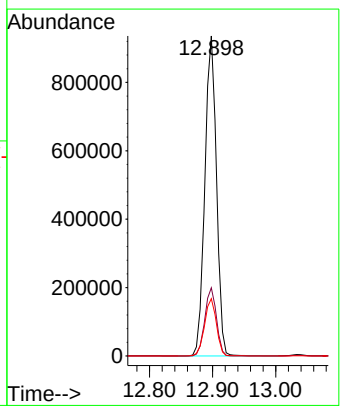


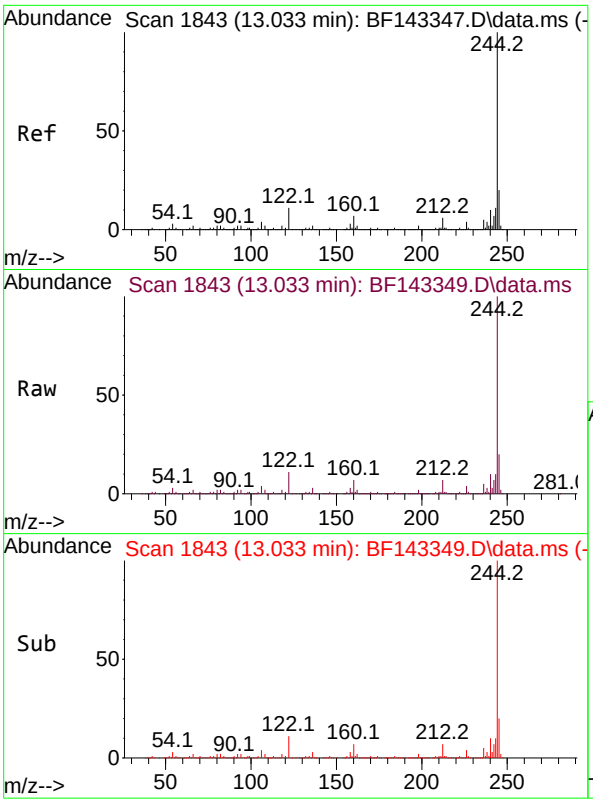


#78
Pyrene
Concen: 52.212 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:202 Resp: 1196849

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.2	21.4



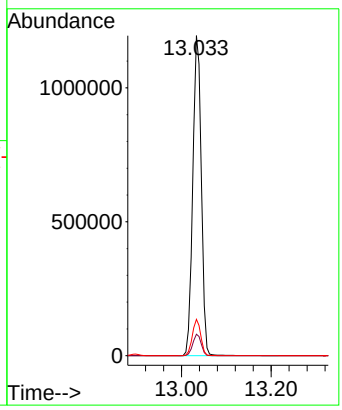


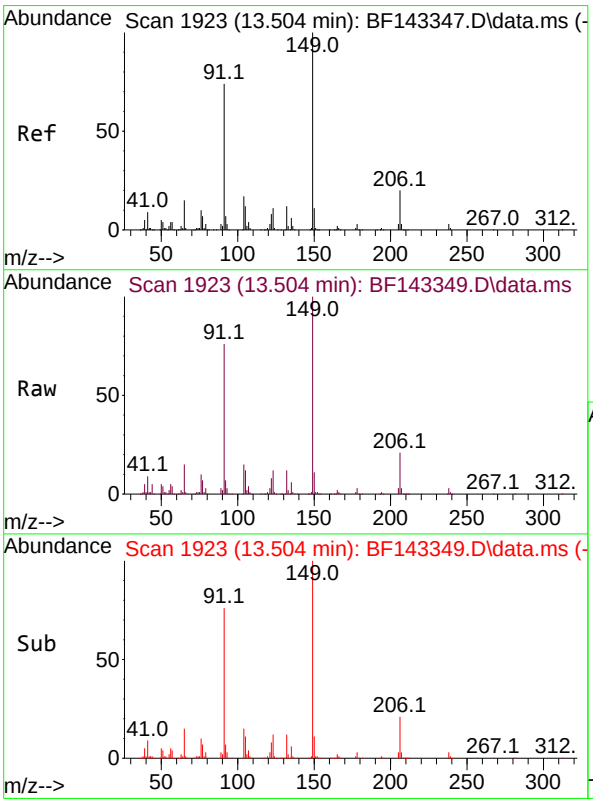
#79
Terphenyl-d14
Concen: 102.507 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1568868

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	11.3	8.9	13.3

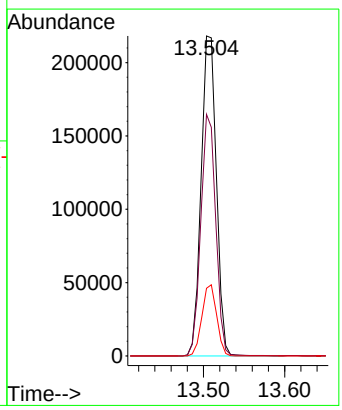


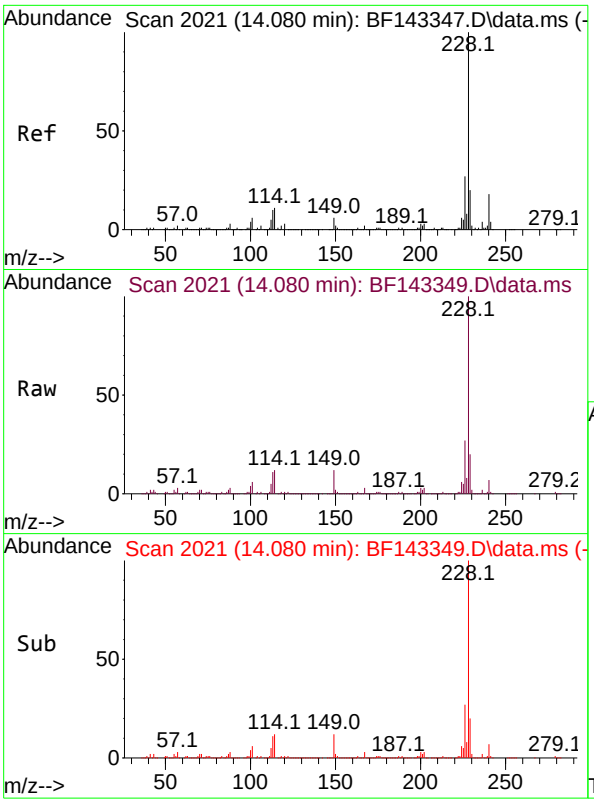


#80
Butylbenzylphthalate
Concen: 61.669 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 283998

Ion	Ratio	Lower	Upper
149	100		
91	75.5	58.8	88.2
206	21.2	16.4	24.6



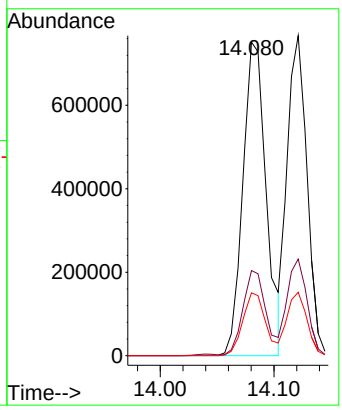


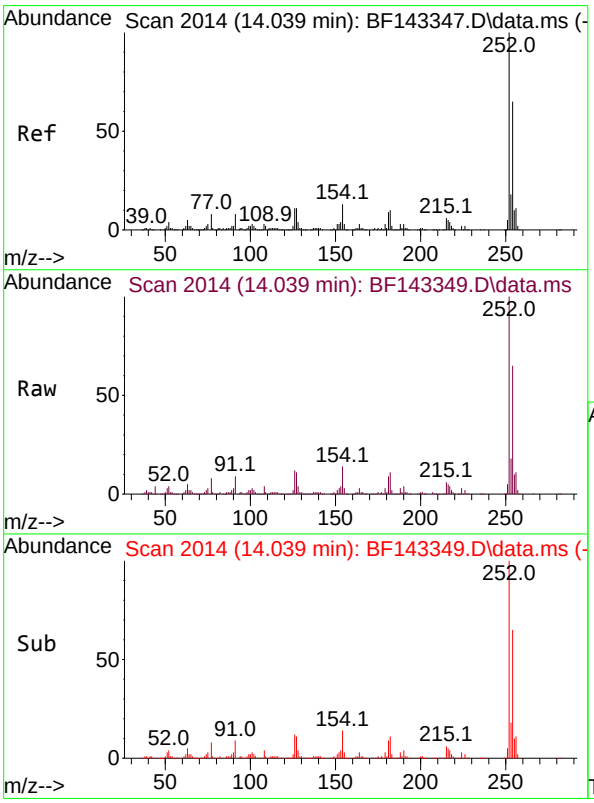
#81
Benzo(a)anthracene
Concen: 61.763 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1072649

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.1	15.8	23.8

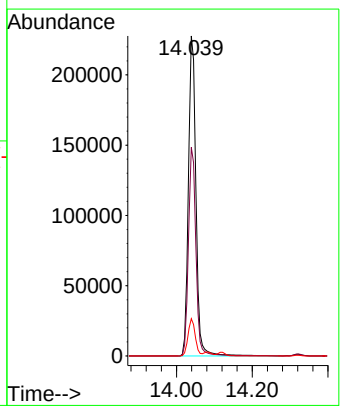


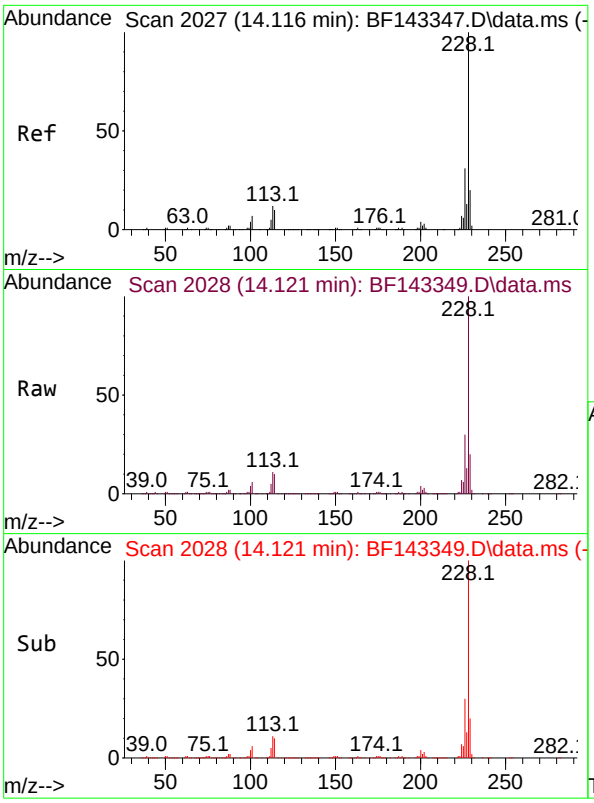


#82
3,3'-Dichlorobenzidine
Concen: 66.762 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 313084

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	11.7	9.2	13.8



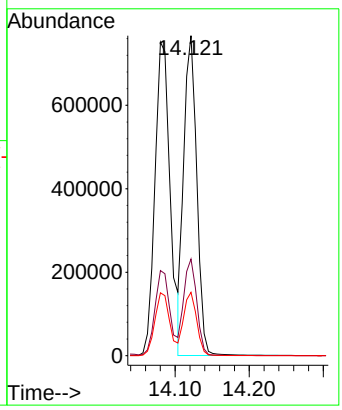


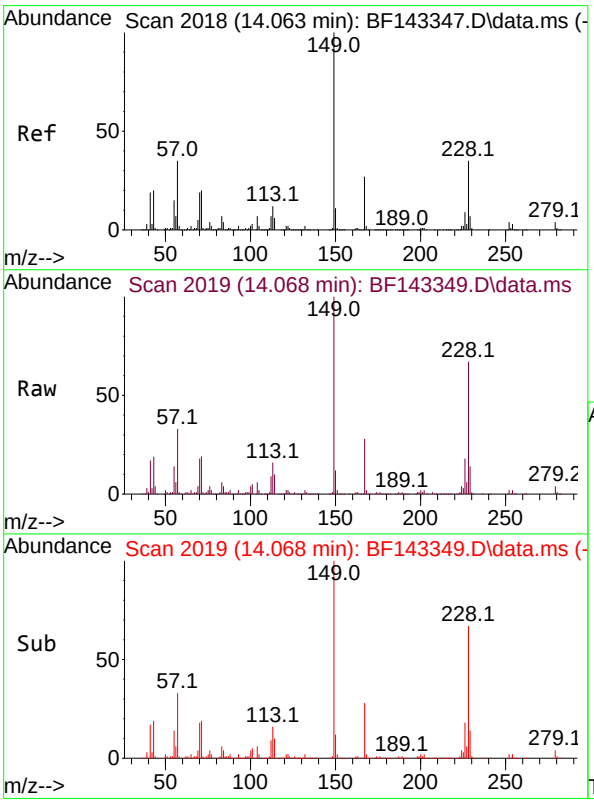
#83
Chrysene
Concen: 57.863 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 937047

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.8	15.8	23.6

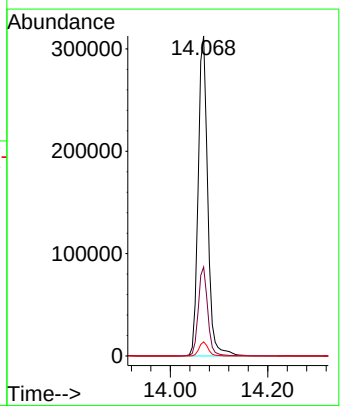


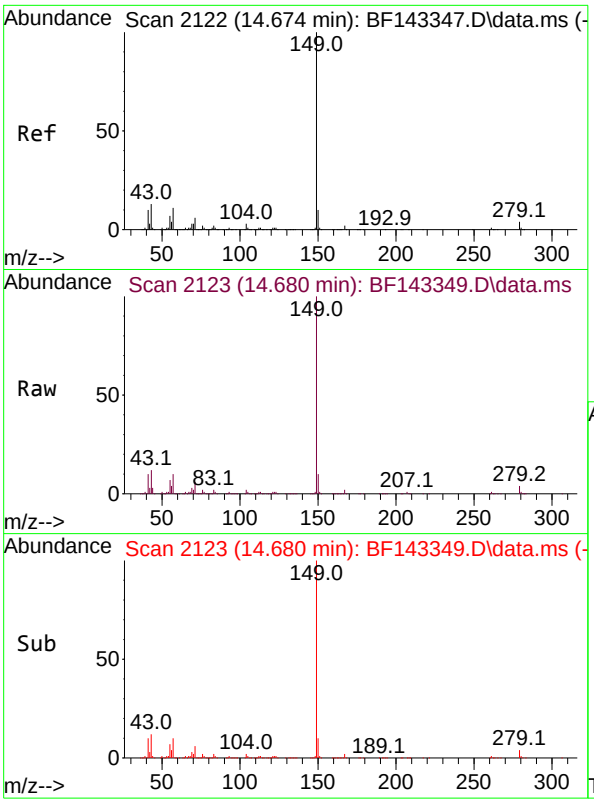


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.688 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.005 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 426553

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.4	32.0
279	4.4	3.2	4.8



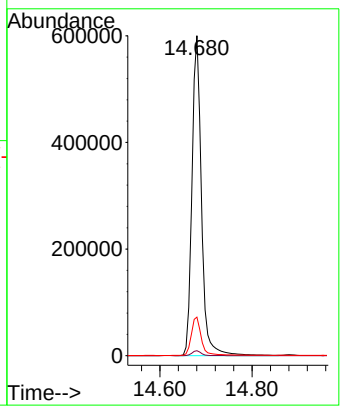


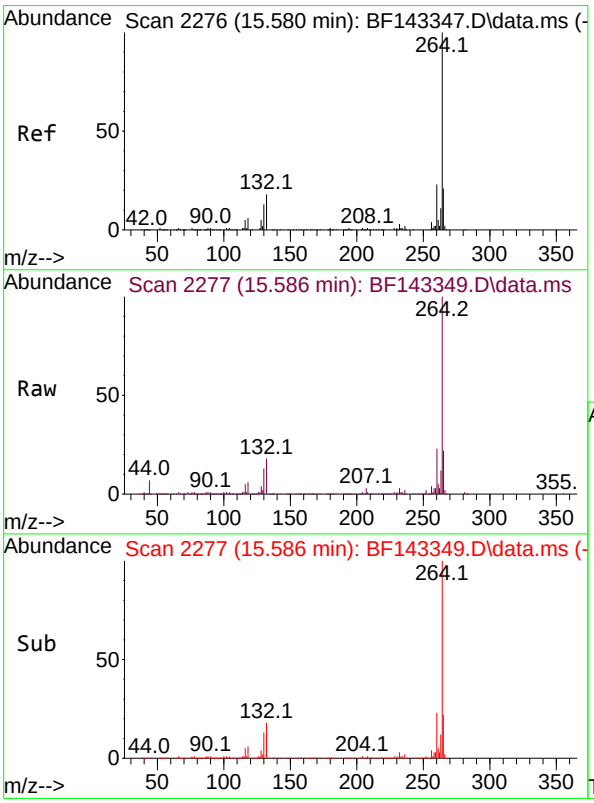
#85
Di-n-octyl phthalate
Concen: 62.516 ng
RT: 14.680 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 856960

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2

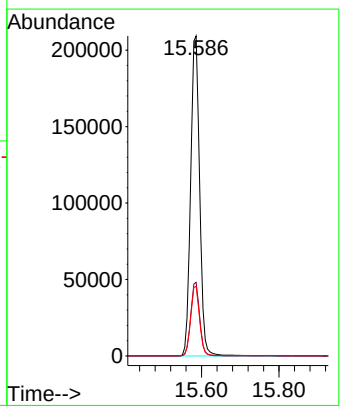


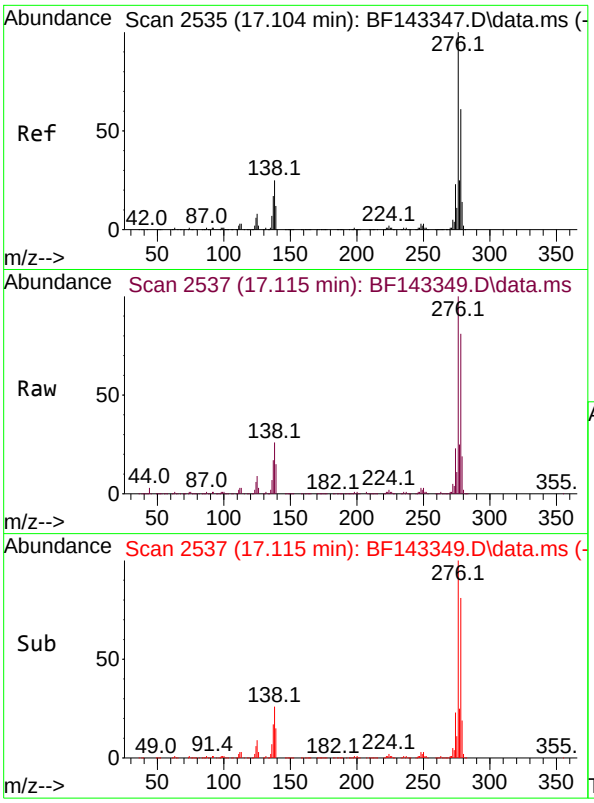


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:264 Resp: 337675

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.7	17.2	25.8



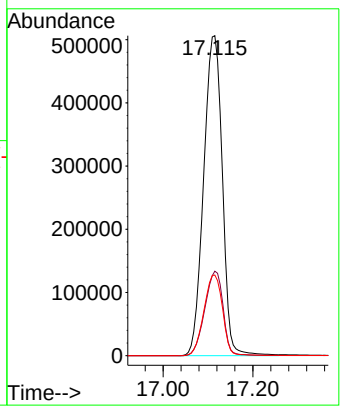


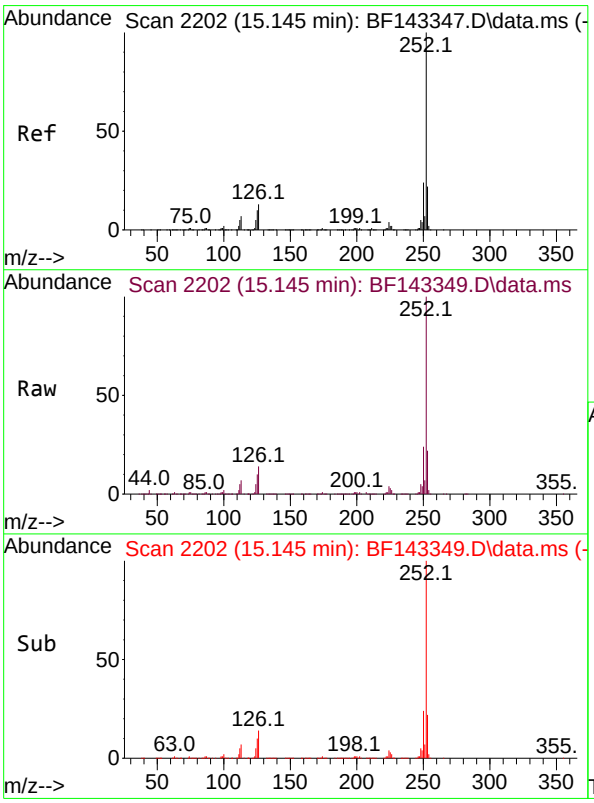
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.440 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1462168

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.2	20.2	30.2

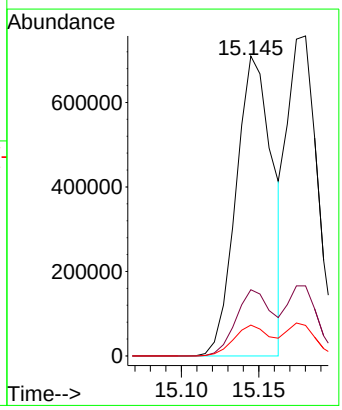


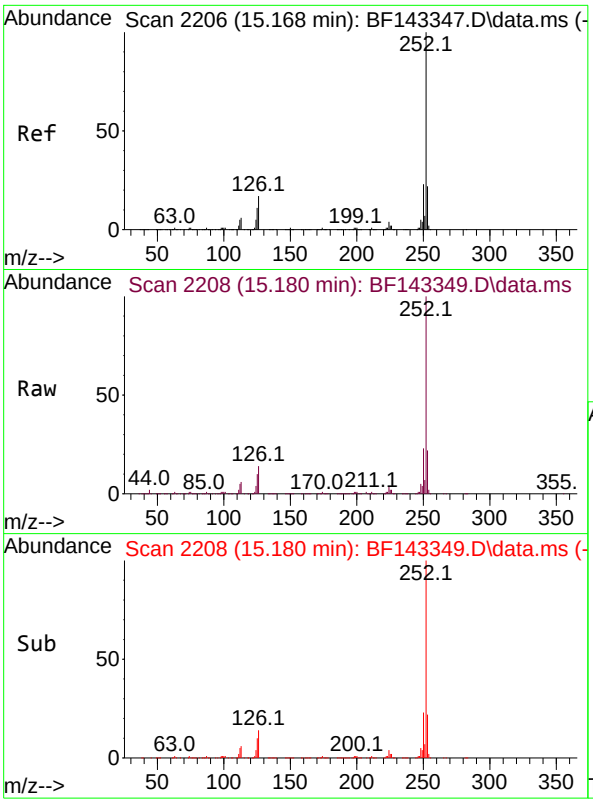


#88
Benzo(b)fluoranthene
Concen: 62.905 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 1161807

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	7.8	11.6



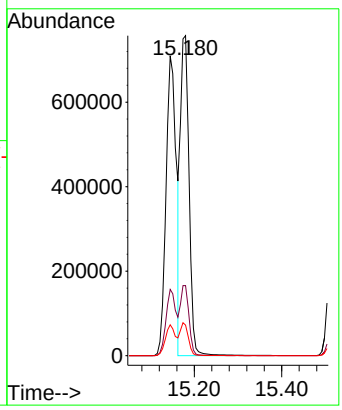


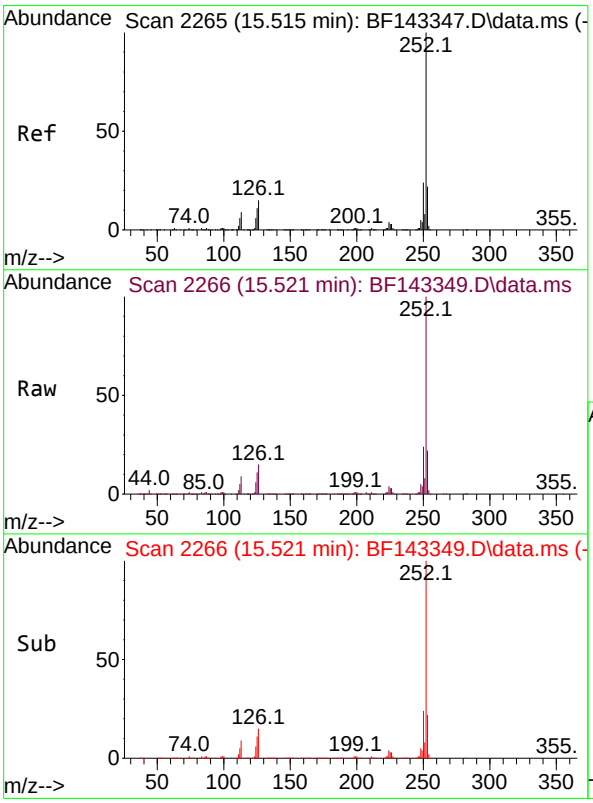
#89
Benzo(k)fluoranthene
Concen: 57.673 ng
RT: 15.180 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1035022

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.5	8.4	12.6

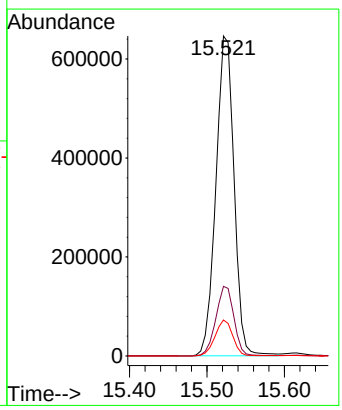


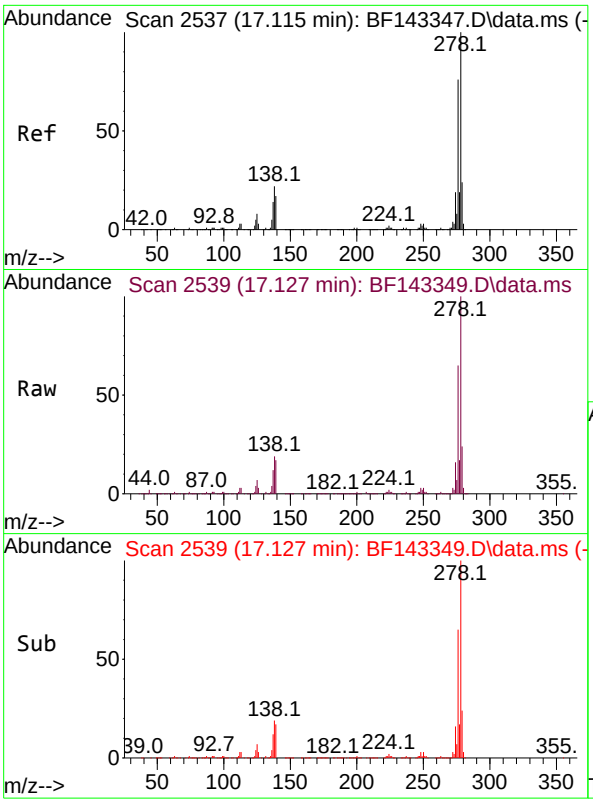


#90
Benzo(a)pyrene
Concen: 60.510 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 1052580

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.3	9.1	13.7



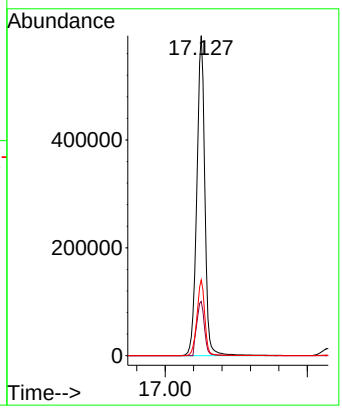


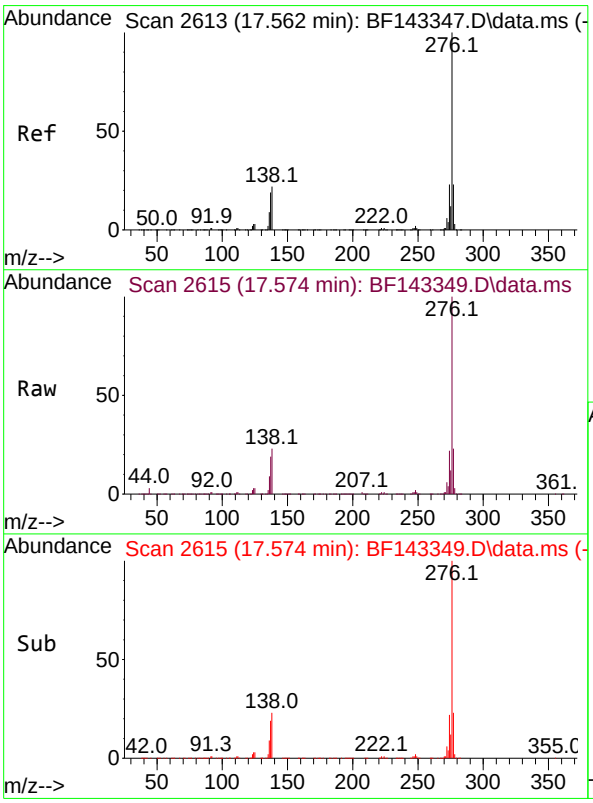
#91
Dibenzo(a,h)anthracene
Concen: 60.556 ng
RT: 17.127 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1170363

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.0	21.0
279	23.7	19.4	29.0

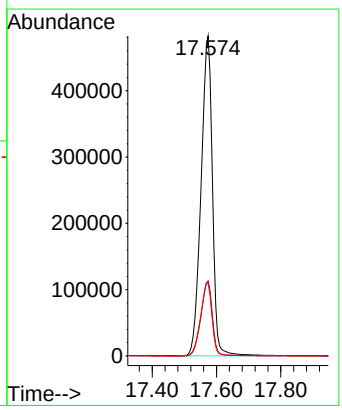




#92
Benzo(g,h,i)perylene
Concen: 60.761 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:276 Resp: 1182985

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	22.7	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161665	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	625065	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	322984	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448378	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287871	20.000	ng	0.00
86) Perylene-d12	15.586	264	348017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1409194	150.735	ng	0.00
7) Phenol-d6	6.569	99	1792088	149.482	ng	0.00
23) Nitrobenzene-d5	7.498	82	1619091	161.306	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	411864	174.486	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	2457872	129.045	ng	0.00
79) Terphenyl-d14	13.039	244	1935761	120.053	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	379076	78.360	ng	99
3) Pyridine	3.534	79	1042960	80.904	ng	98
4) n-Nitrosodimethylamine	3.493	42	494211	82.300	ng	99
6) Aniline	6.598	93	1263279	74.743	ng	95
8) 2-Chlorophenol	6.722	128	793255	79.409	ng	98
10) Phenol	6.586	94	1037512	73.052	ng	76
11) bis(2-Chloroethyl)ether	6.669	93	798392	76.275	ng	100
12) 1,3-Dichlorobenzene	6.875	146	830769	72.101	ng	98
13) 1,4-Dichlorobenzene	6.951	146	837059	72.382	ng	99
14) 1,2-Dichlorobenzene	7.104	146	806180	73.439	ng	100
15) Benzyl Alcohol	7.075	79	697448	81.158	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	1335184	71.450	ng	98
17) 2-Methylphenol	7.186	107	654221	77.585	ng	98
18) Hexachloroethane	7.445	117	286839	79.115	ng	99
19) n-Nitroso-di-n-propyla...	7.351	70	541387	73.083	ng	98
20) 3+4-Methylphenols	7.339	107	727332	71.322	ng	93
22) Acetophenone	7.345	105	952975	69.195	ng	97
24) Nitrobenzene	7.516	77	868093	79.634	ng	99
25) Isophorone	7.757	82	1574935	76.861	ng	99
26) 2-Nitrophenol	7.828	139	376225	83.229	ng	99
27) 2,4-Dimethylphenol	7.869	122	667248	78.052	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	921854	73.686	ng	99
29) 2,4-Dichlorophenol	8.075	162	654545	78.392	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	649172	73.707	ng	99
31) Naphthalene	8.239	128	2098892	69.783	ng	99
32) Benzoic acid	8.004	122	354618	78.960	ng	99
33) 4-Chloroaniline	8.280	127	816103	75.228	ng	99
34) Hexachlorobutadiene	8.357	225	403199	73.592	ng	100
35) Caprolactam	8.669	113	197571	84.172	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	674001	77.000	ng	98
37) 2-Methylnaphthalene	8.927	142	1370352	69.303	ng	99
38) 1-Methylnaphthalene	9.027	142	1328881	69.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	644623	72.936	ng	100
41) Hexachlorocyclopentadiene	9.086	237	259048	82.835	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	437022	87.149	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	466807	82.433	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1580379	69.203	ng		99
47) 2-Chloronaphthalene	9.416	162	1295723	72.042	ng		99
48) 2-Nitroaniline	9.510	65	426490	80.247	ng		98
49) Acenaphthylene	9.833	152	1865988	71.842	ng		100
50) Dimethylphthalate	9.686	163	1425124	75.513	ng		100
51) 2,6-Dinitrotoluene	9.751	165	294018	80.211	ng		95
52) Acenaphthene	10.004	154	1221046	70.714	ng		99
53) 3-Nitroaniline	9.922	138	343541	88.887	ng		98
54) 2,4-Dinitrophenol	10.027	184	118753	79.041	ng	#	84
55) Dibenzofuran	10.174	168	1738835	69.969	ng		98
56) 4-Nitrophenol	10.080	139	245374	79.477	ng		97
57) 2,4-Dinitrotoluene	10.151	165	383533	78.864	ng		97
58) Fluorene	10.522	166	1273759	67.103	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	349157	91.466	ng		98
60) Diethylphthalate	10.386	149	1258798	74.465	ng		99
61) 4-Chlorophenyl-phenyle...	10.510	204	643793	70.191	ng		98
62) 4-Nitroaniline	10.533	138	312667	83.616	ng		98
63) Azobenzene	10.669	77	1376109	71.269	ng		98
65) 4,6-Dinitro-2-methylph...	10.569	198	162929	83.490	ng		93
66) n-Nitrosodiphenylamine	10.627	169	1124872	76.190	ng		100
67) 4-Bromophenyl-phenylether	10.998	248	405148	79.007	ng		97
68) Hexachlorobenzene	11.074	284	431148	78.001	ng		96
69) Atrazine	11.151	200	309748	80.438	ng		99
70) Pentachlorophenol	11.263	266	218250	80.616	ng		97
71) Phenanthrene	11.480	178	1745493	71.351	ng		99
72) Anthracene	11.533	178	1758274	70.871	ng		100
73) Carbazole	11.686	167	1479652	70.029	ng		99
74) Di-n-butylphthalate	12.010	149	1398975	78.244	ng		100
75) Fluoranthene	12.668	202	1470742	68.634	ng		99
77) Benzidine	12.786	184	500314	63.571	ng		98
78) Pyrene	12.898	202	1513789	62.684	ng		99
80) Butylbenzylphthalate	13.510	149	413801	84.007	ng		98
81) Benzo(a)anthracene	14.086	228	1387766	75.847	ng		100
82) 3,3'-Dichlorobenzidine	14.045	252	412736	83.540	ng		99
83) Chrysene	14.121	228	1263816	74.077	ng		98
84) Bis(2-ethylhexyl)phtha...	14.068	149	611031	83.803	ng		98
85) Di-n-octyl phthalate	14.680	149	1205873	81.478	ng		98
87) Indeno(1,2,3-cd)pyrene	17.121	276	1963736	78.760	ng		99
88) Benzo(b)fluoranthene	15.151	252	1467752	77.108	ng		99
89) Benzo(k)fluoranthene	15.180	252	1429731	77.299	ng		99
90) Benzo(a)pyrene	15.527	252	1403212	78.270	ng		99
91) Dibenzo(a,h)anthracene	17.133	278	1523387	76.479	ng		99
92) Benzo(g,h,i)perylene	17.580	276	1563773	77.932	ng		99

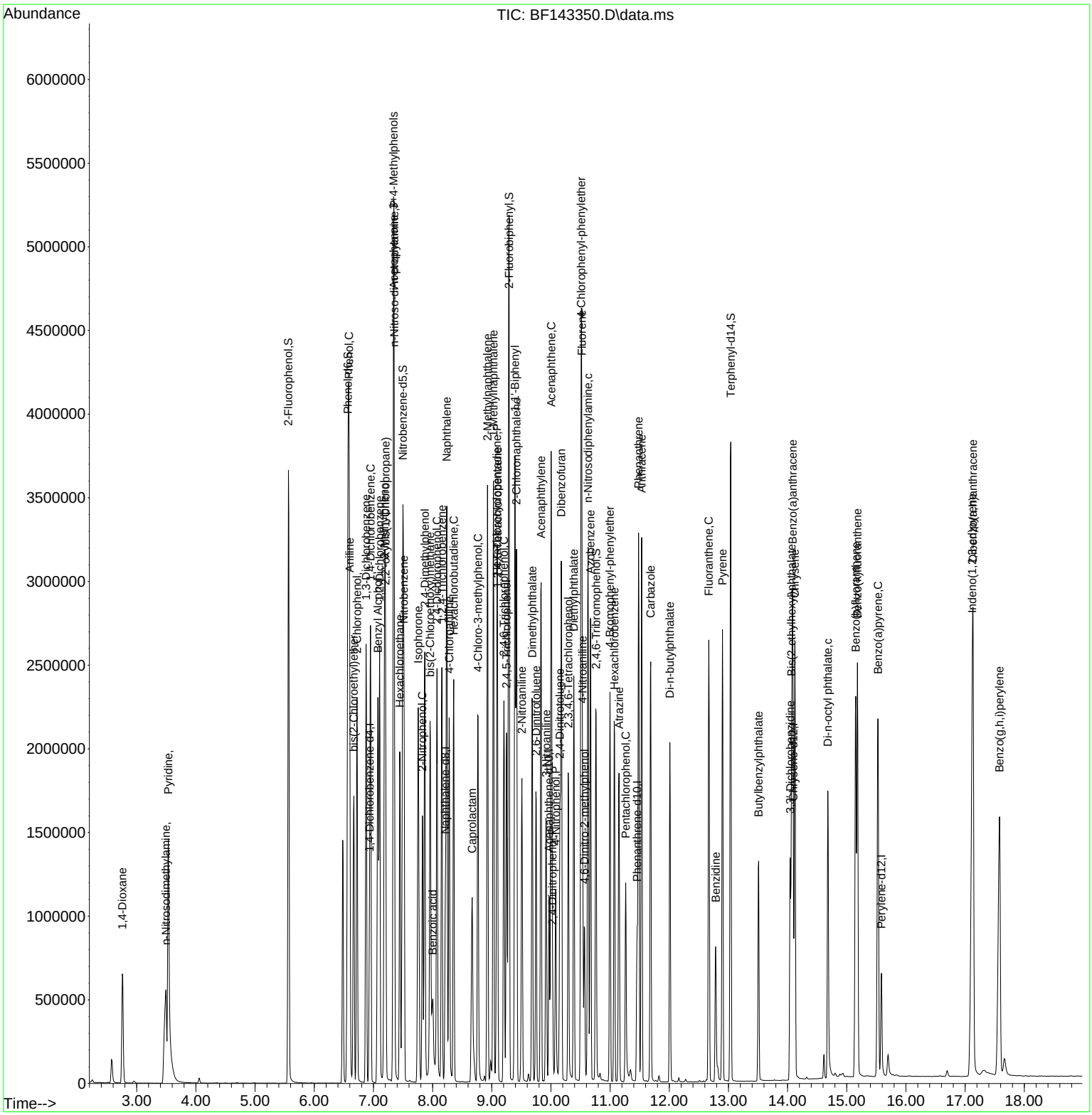
(#) = qualifier out of range (m) = manual integration (+) = signals summed

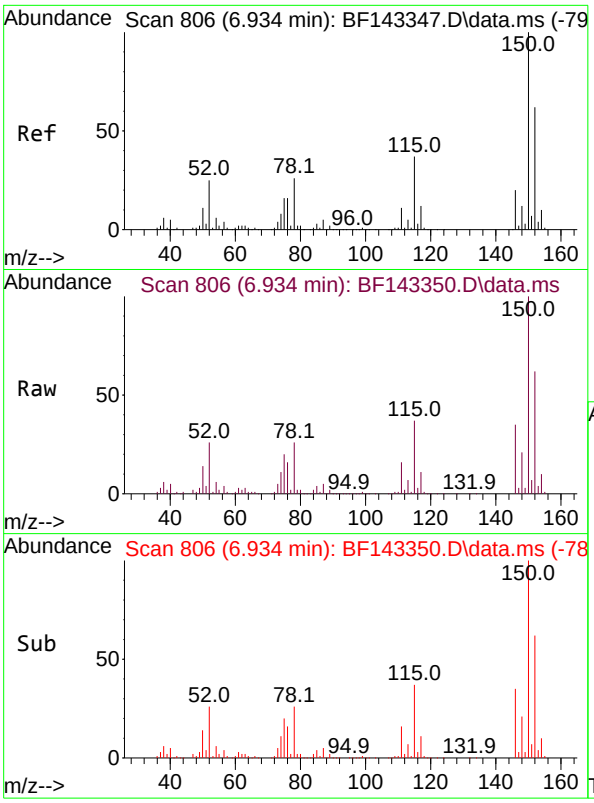
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



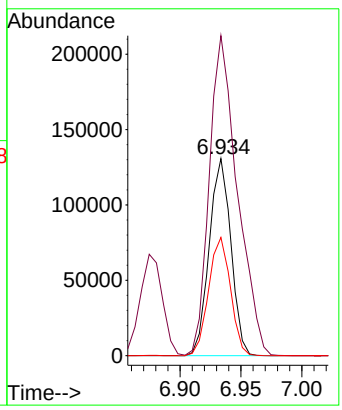


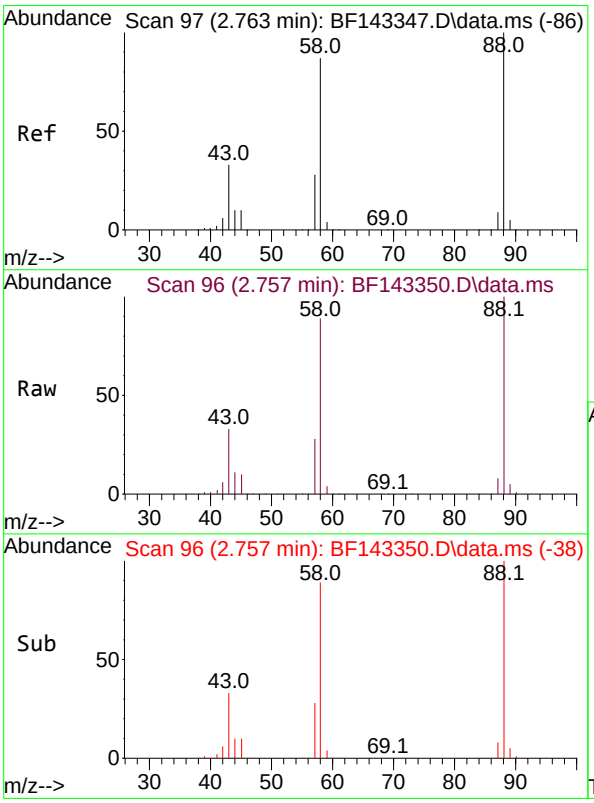
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 161665

Ion	Ratio	Lower	Upper
152	100		
150	162.4	129.8	194.8
115	60.0	47.8	71.8

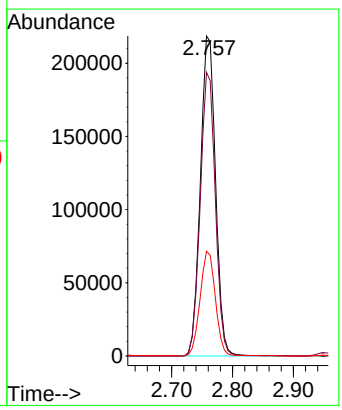


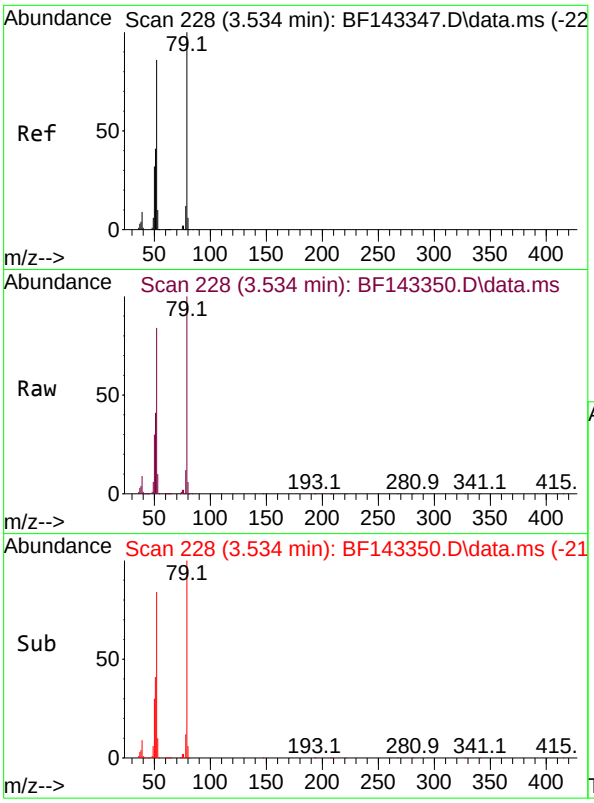


#2
1,4-Dioxane
Concen: 78.360 ng
RT: 2.757 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 88 Resp: 379076

Ion	Ratio	Lower	Upper
88	100		
58	88.3	71.0	106.6
43	33.1	27.0	40.6



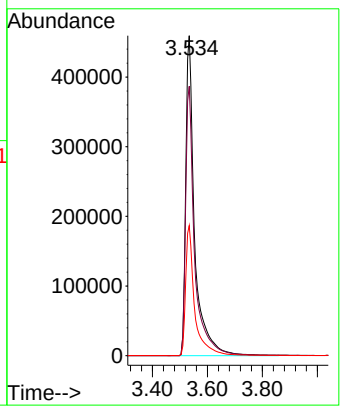


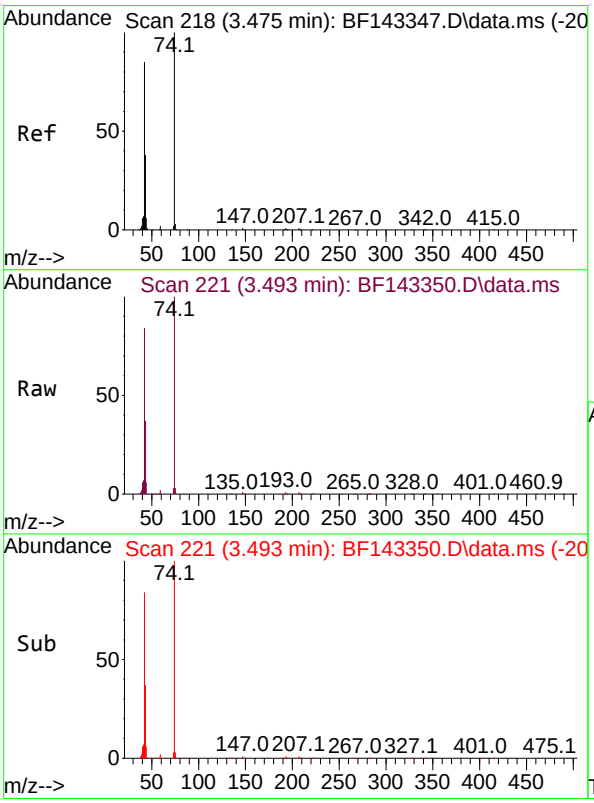
#3
Pyridine
Concen: 80.904 ng
RT: 3.534 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1042960

Ion	Ratio	Lower	Upper
79	100		
52	84.2	68.7	103.1
51	40.7	33.4	50.0

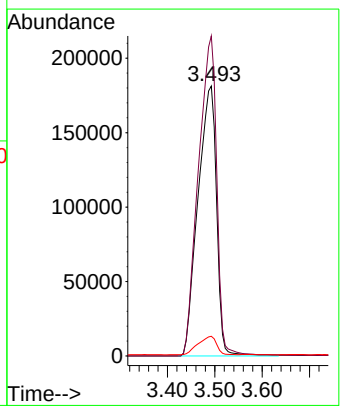


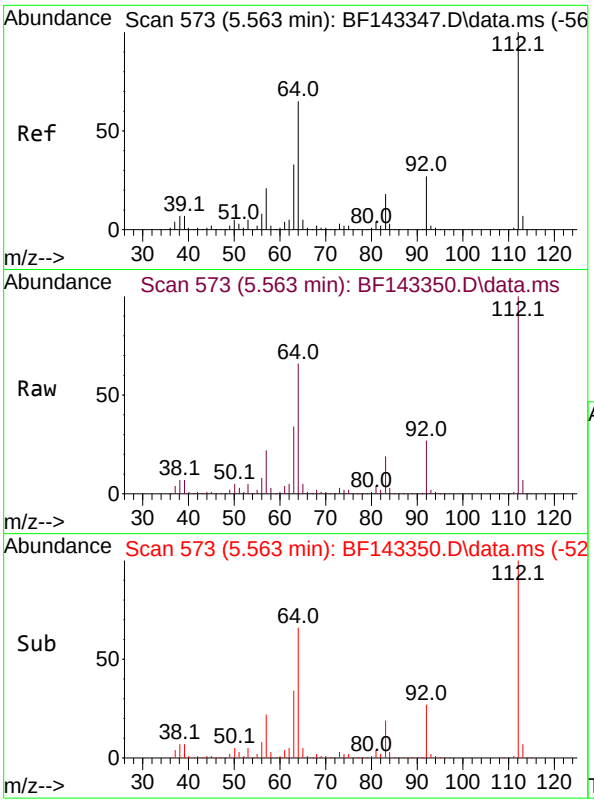


#4
n-Nitrosodimethylamine
Concen: 82.300 ng
RT: 3.493 min Scan# 221
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 42 Resp: 494211

Ion	Ratio	Lower	Upper
42	100		
74	118.6	94.1	141.1
44	7.3	6.5	9.7



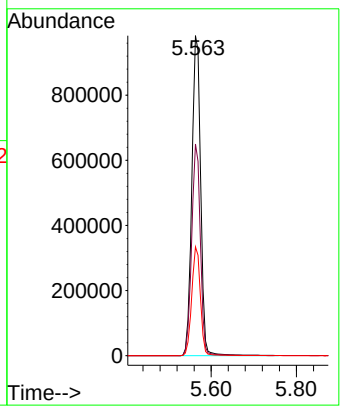


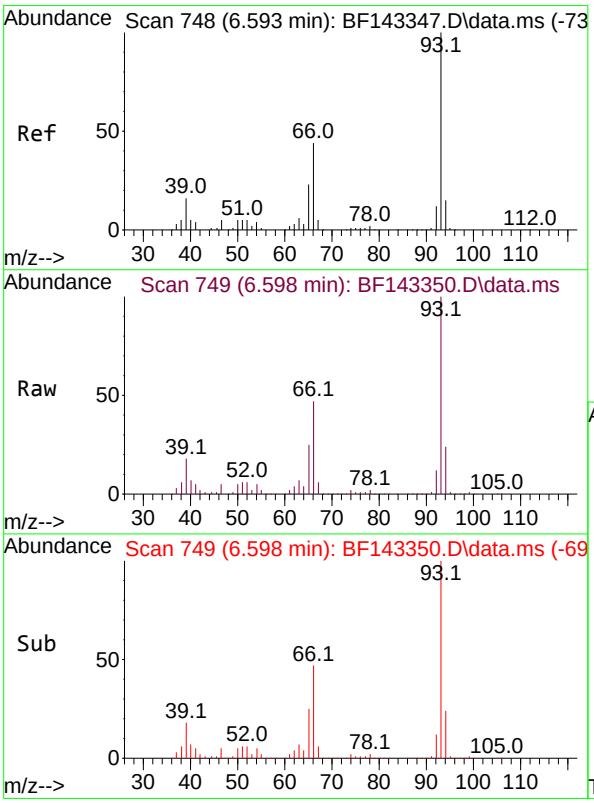
#5
2-Fluorophenol
Concen: 150.735 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1409194

Ion	Ratio	Lower	Upper
112	100		
64	66.1	52.1	78.1
63	34.0	26.6	39.8

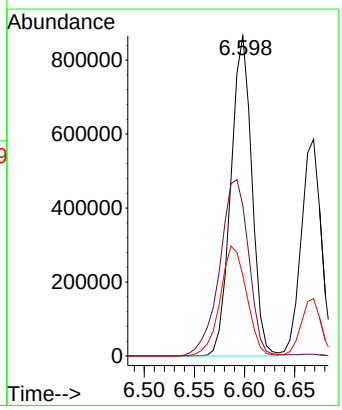


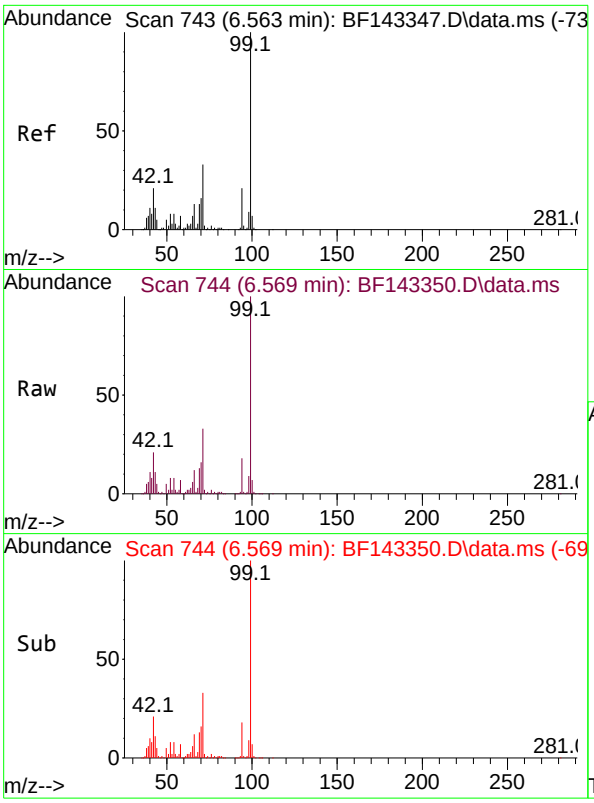


#6
Aniline
Concen: 74.743 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 1263279

Ion	Ratio	Lower	Upper
93	100		
66	47.1	35.3	52.9
65	25.2	18.2	27.4



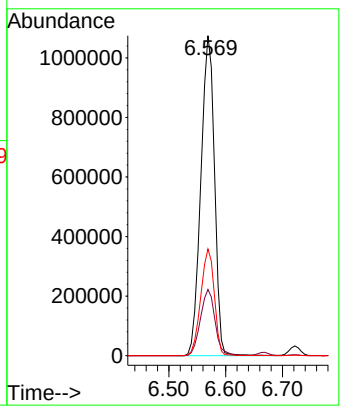


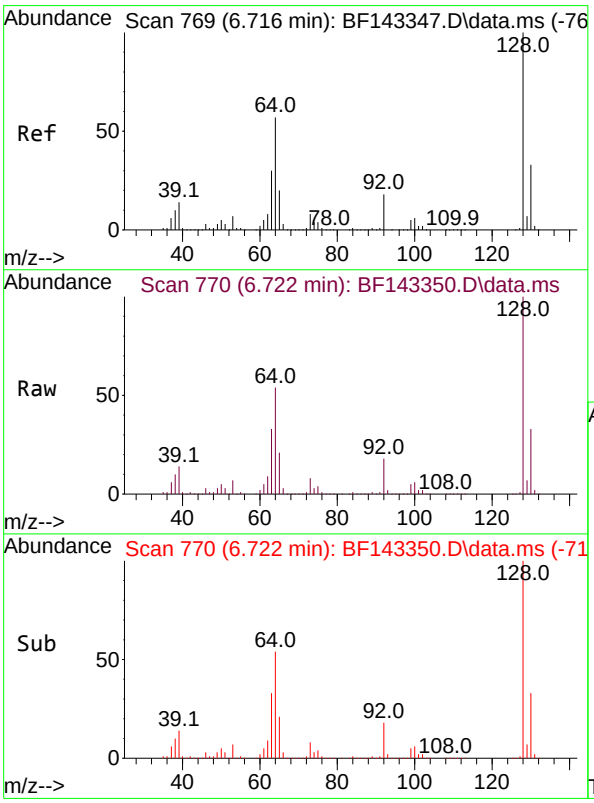
#7
Phenol-d6
Concen: 149.482 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1792088

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	33.4	26.2	39.2

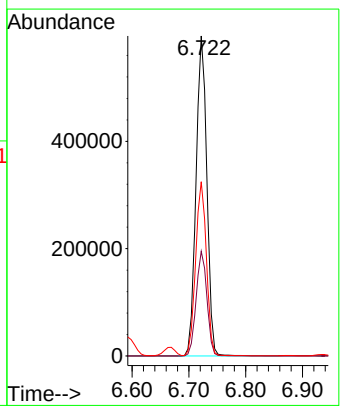


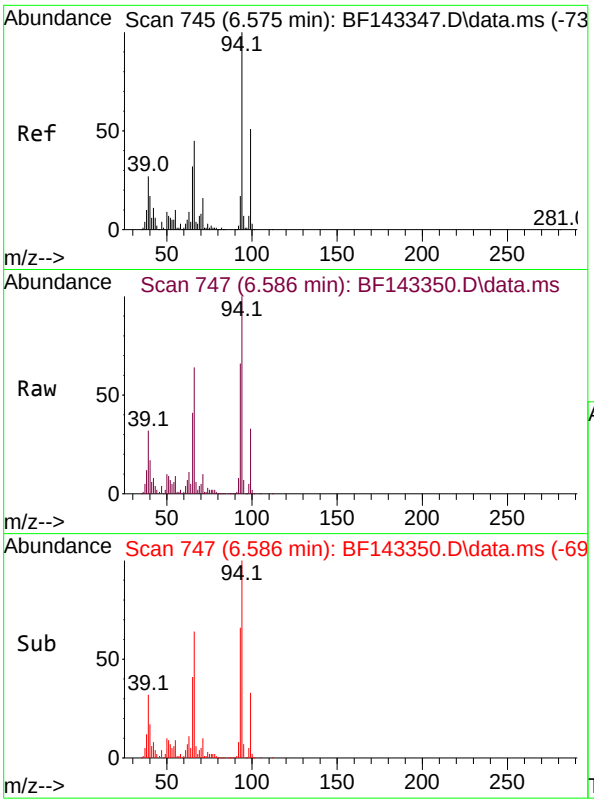


#8
2-Chlorophenol
Concen: 79.409 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:128 Resp: 793255

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	54.5	36.7	76.7



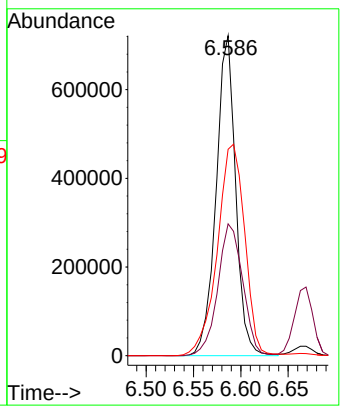


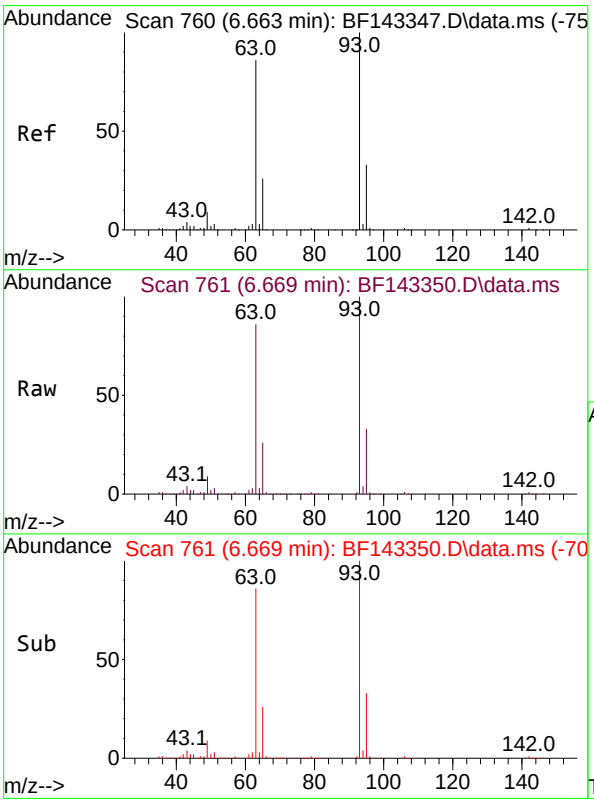
#10
Phenol
Concen: 73.052 ng
RT: 6.586 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1037512

Ion	Ratio	Lower	Upper
94	100		
65	41.2	12.0	52.0
66	64.5	25.6	65.6

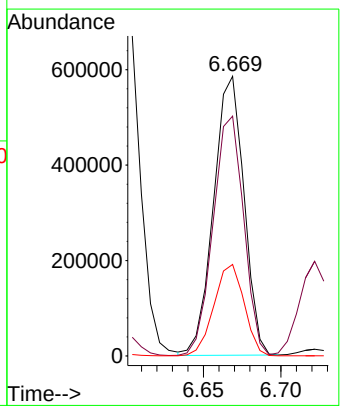


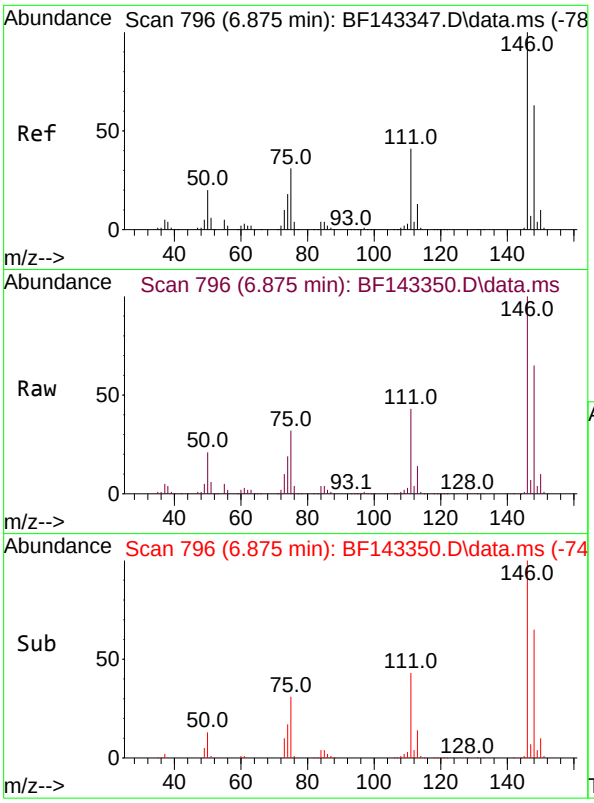


#11
bis(2-Chloroethyl)ether
Concen: 76.275 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 798392

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	32.7	13.0	53.0



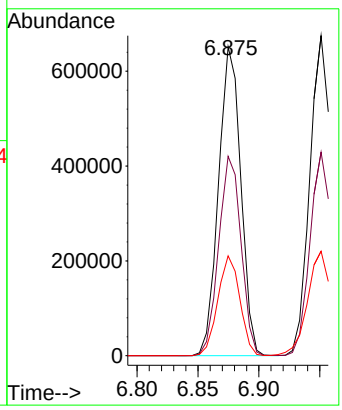


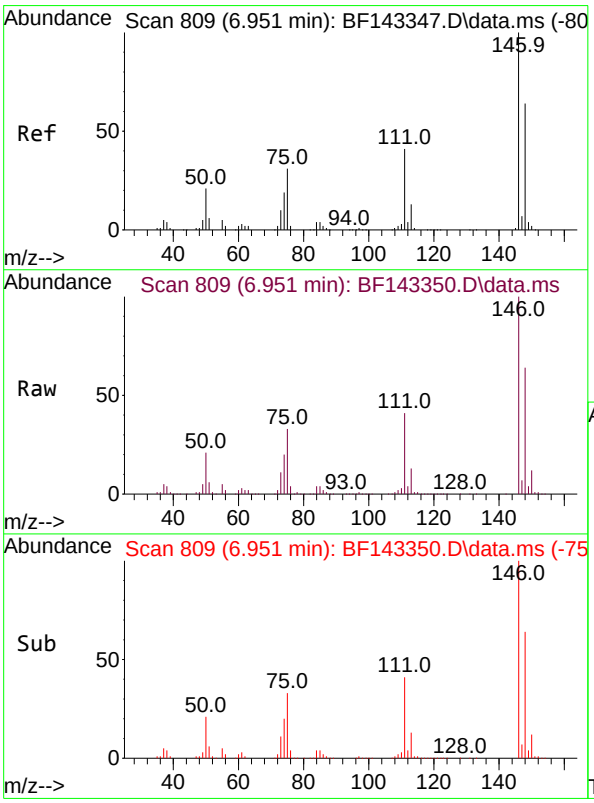
#12
1,3-Dichlorobenzene
Concen: 72.101 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 830769

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.5	75.7
75	32.3	24.9	37.3

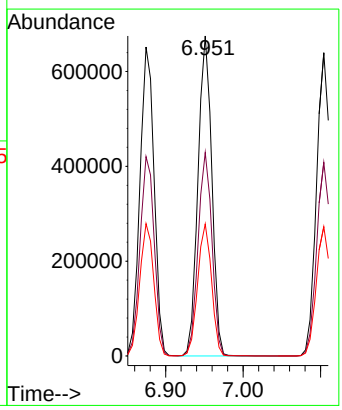


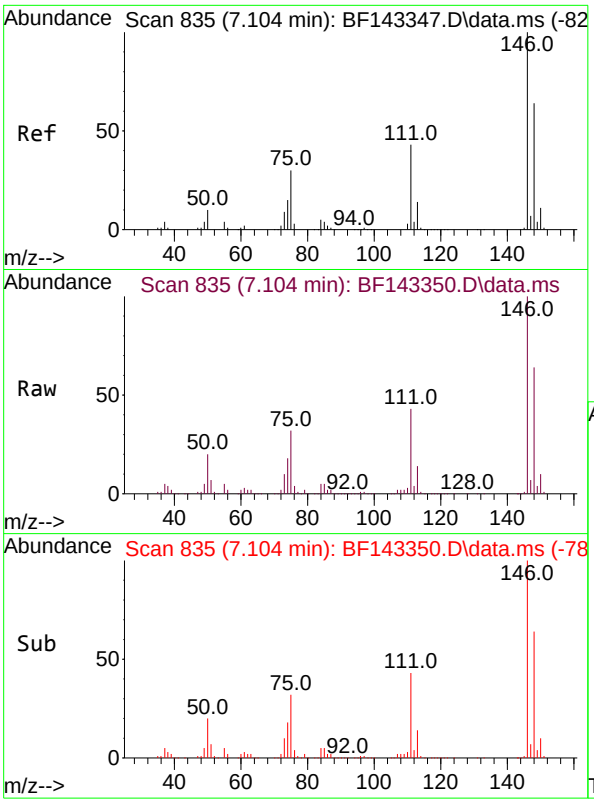


#13
1,4-Dichlorobenzene
Concen: 72.382 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:146 Resp: 837059

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	41.3	32.6	48.8



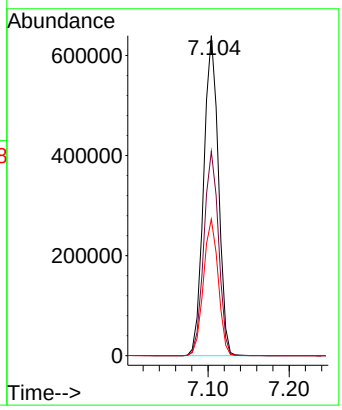


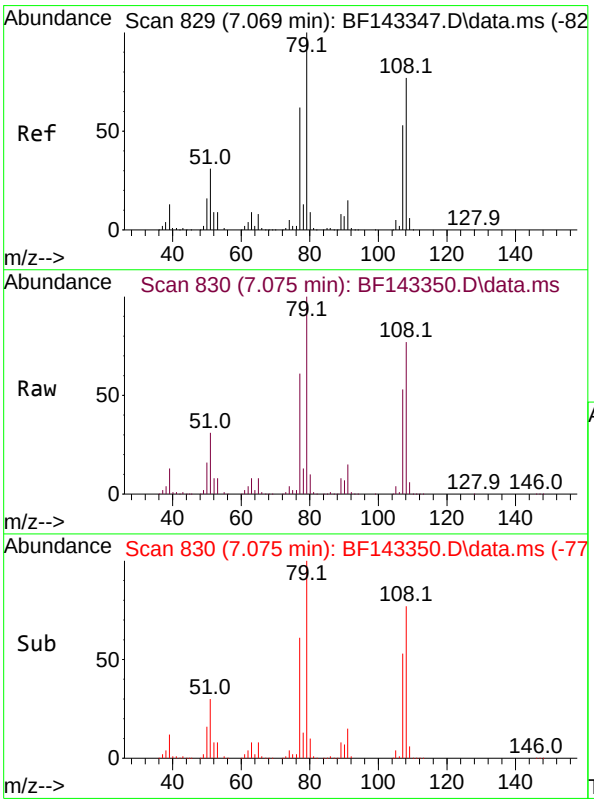
#14
1,2-Dichlorobenzene
Concen: 73.439 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 806180

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	42.7	34.1	51.1

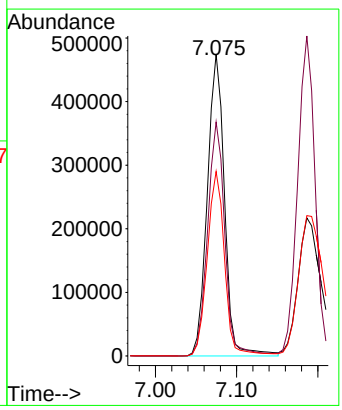


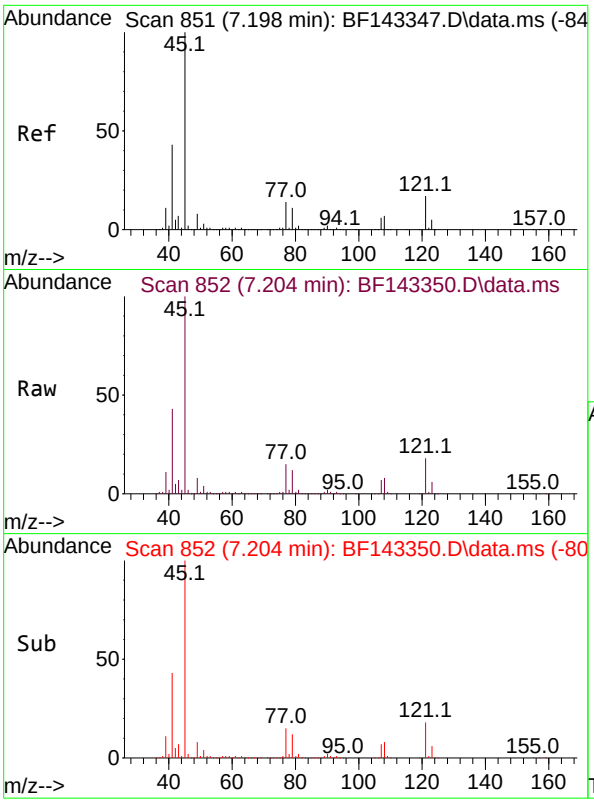


#15
Benzyl Alcohol
Concen: 81.158 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 79 Resp: 697448

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.5	92.3
77	61.1	49.8	74.8



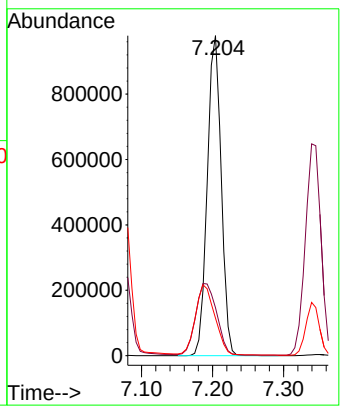


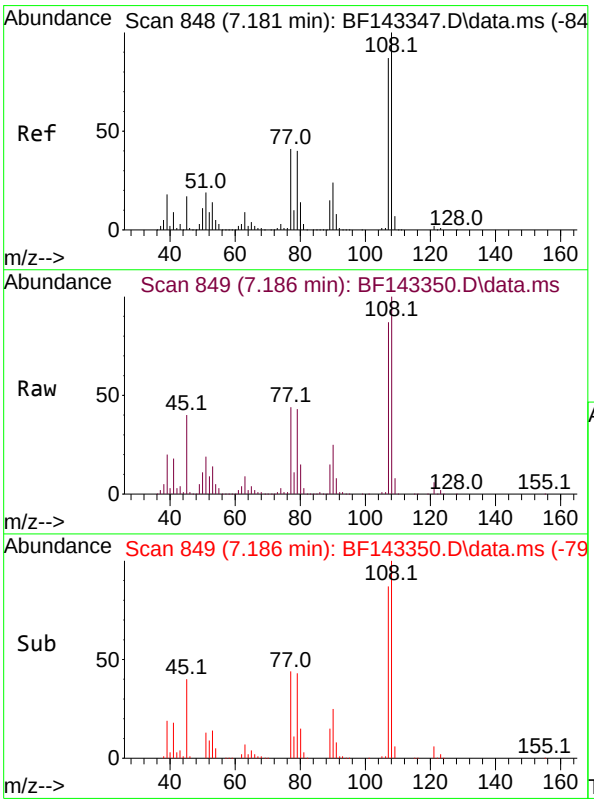
#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.450 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1335184

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	34.0
79	11.8	0.0	31.1

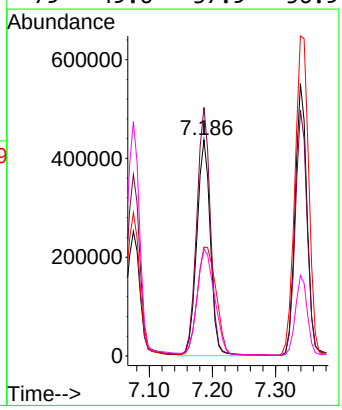


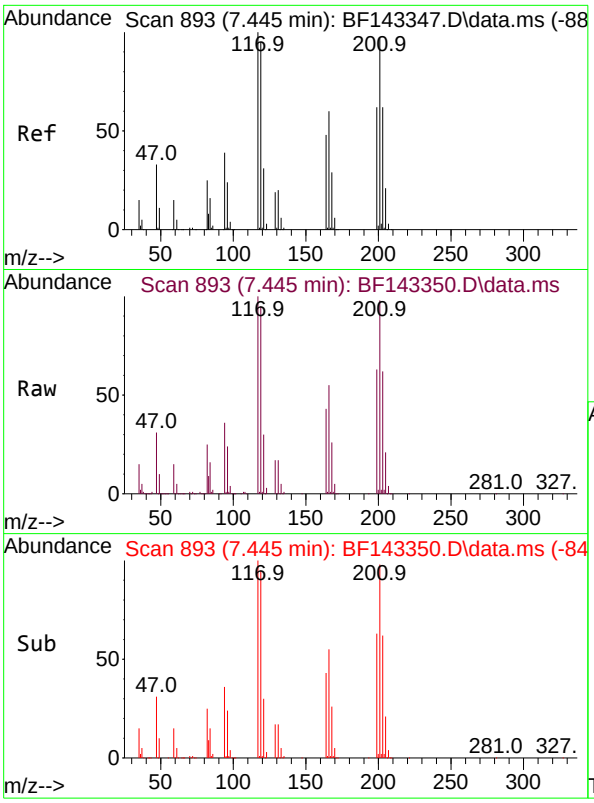


#17
2-Methylphenol
Concen: 77.585 ng
RT: 7.186 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:107 Resp: 654221

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	50.5	38.2	57.2
79	49.6	37.9	56.9



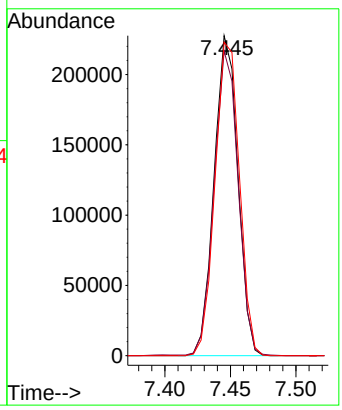


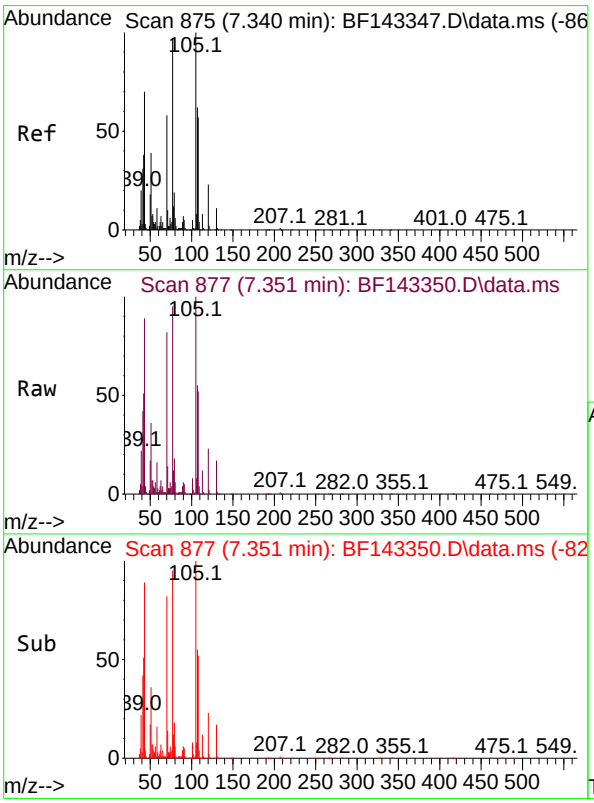
#18
Hexachloroethane
Concen: 79.115 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 286839

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.8
201	98.0	77.2	115.8

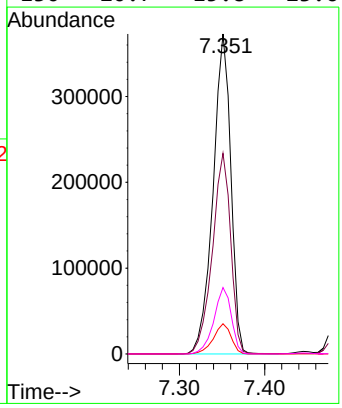


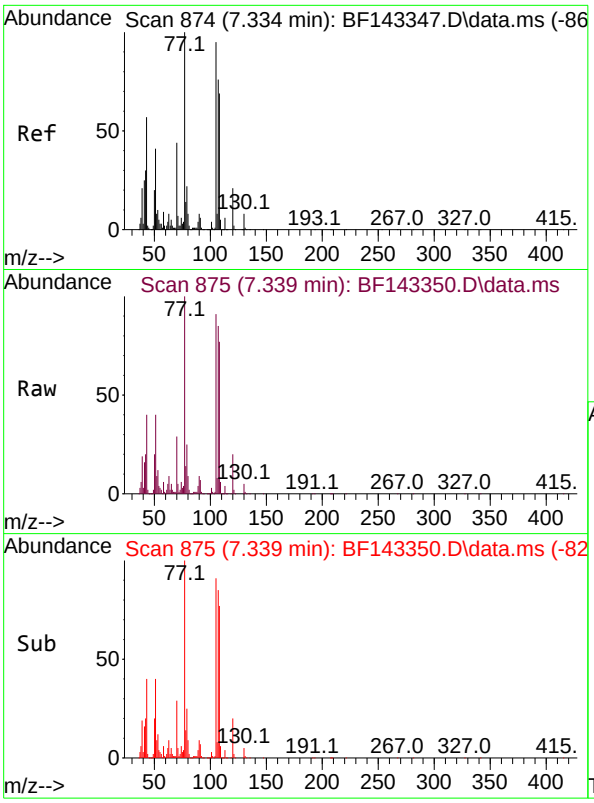


#19
n-Nitroso-di-n-propylamine
Concen: 73.083 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 70 Resp: 541387

Ion	Ratio	Lower	Upper
70	100		
42	62.7	51.6	77.4
101	9.4	7.5	11.3
130	20.7	15.8	23.6



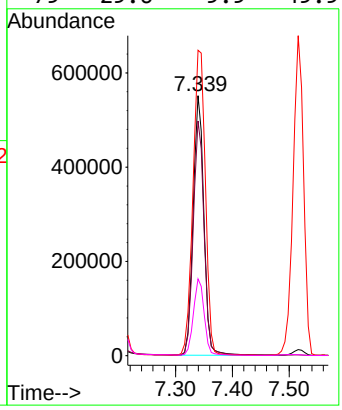


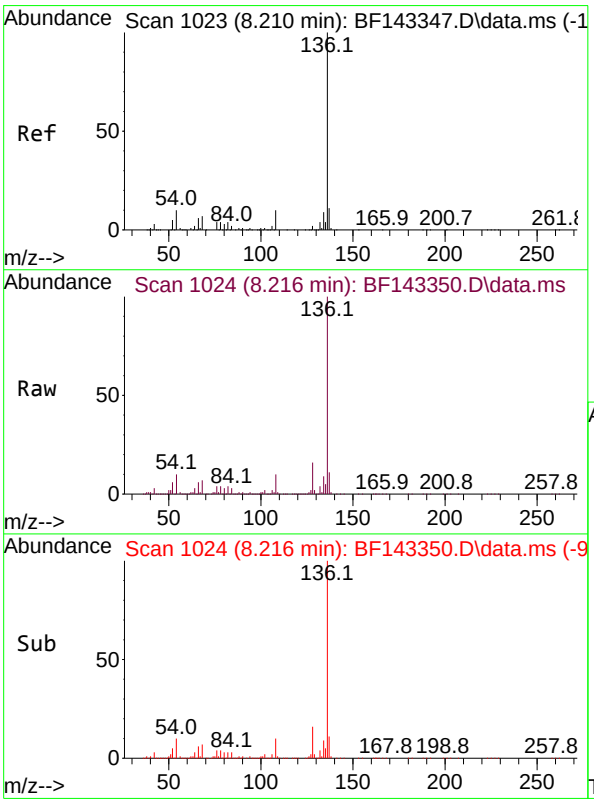
#20
3+4-Methylphenols
Concen: 71.322 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 727332

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.6	110.6
77	117.5	112.0	152.0
79	29.6	9.9	49.9

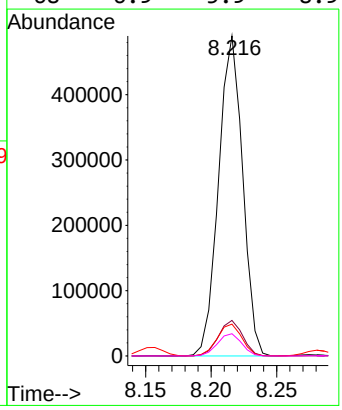


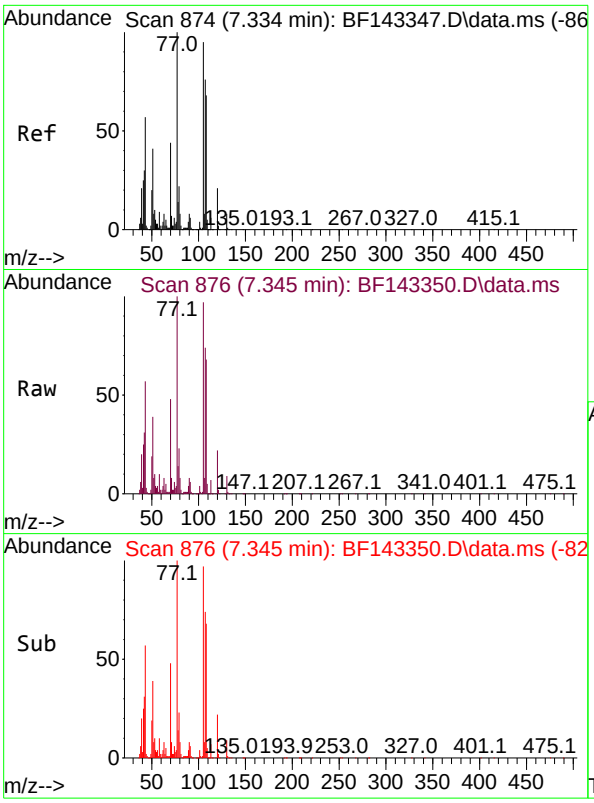


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:136 Resp: 625065

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.0	8.4	12.6
68	6.9	5.9	8.9



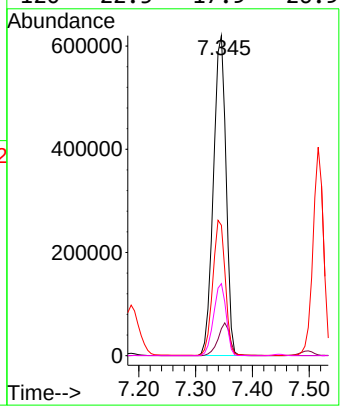


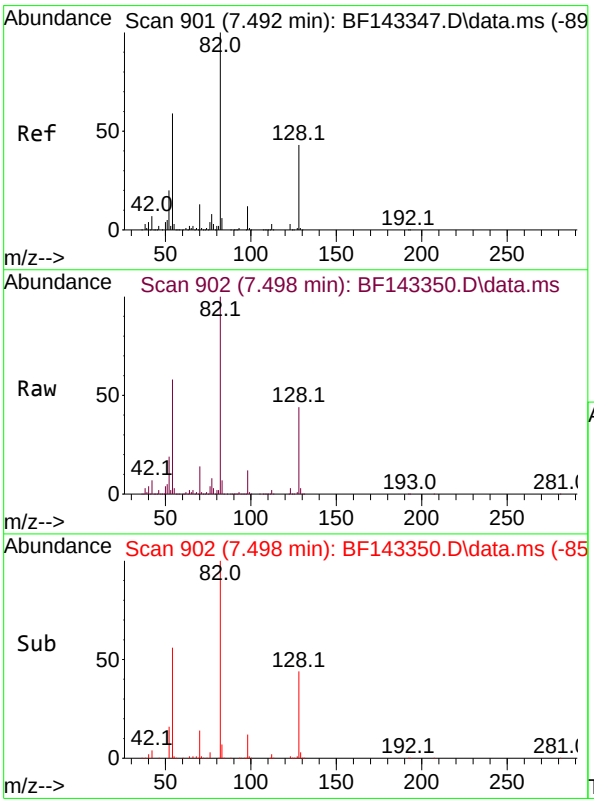
#22
Acetophenone
Concen: 69.195 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 952975

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.4
51	40.7	34.8	52.2
120	22.5	17.9	26.9

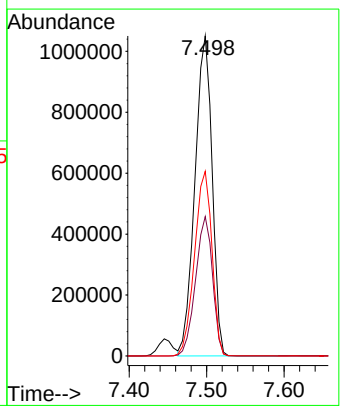


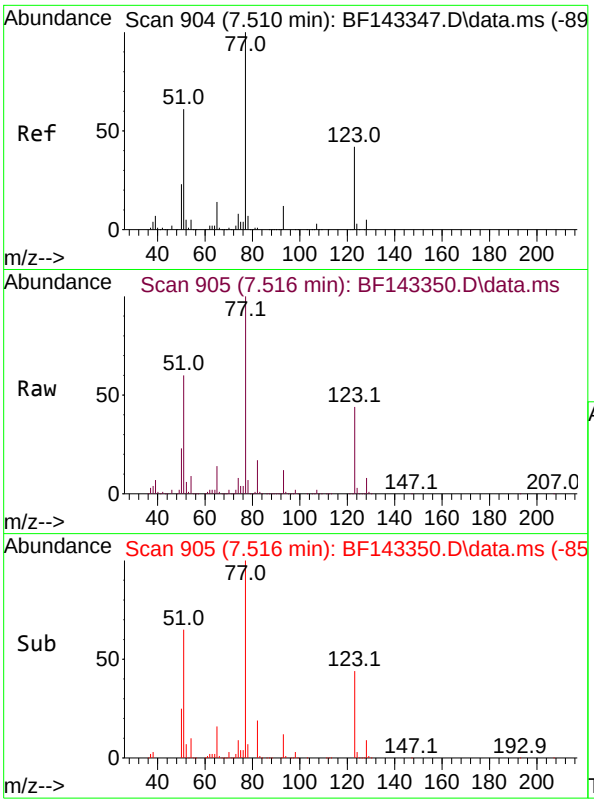


#23
Nitrobenzene-d5
Concen: 161.306 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 82 Resp: 1619091

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.5	50.3
54	57.7	46.7	70.1



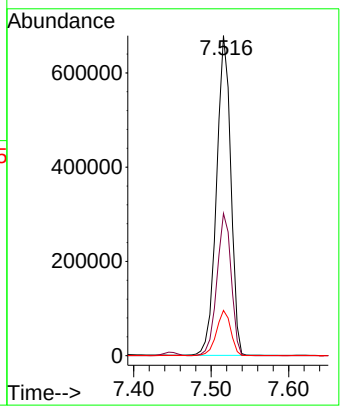


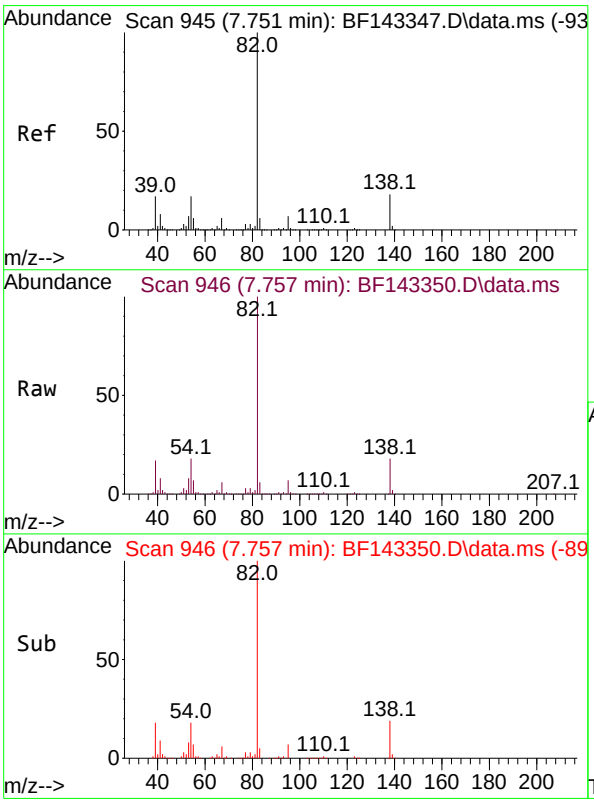
#24
Nitrobenzene
Concen: 79.634 ng
RT: 7.516 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 868093

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.8	52.2
65	14.1	11.0	16.6

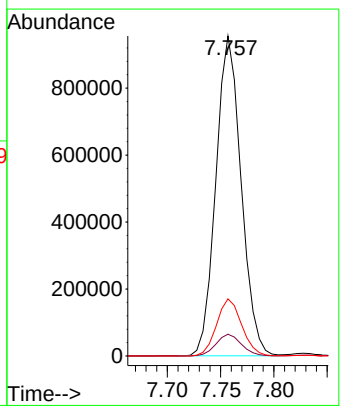


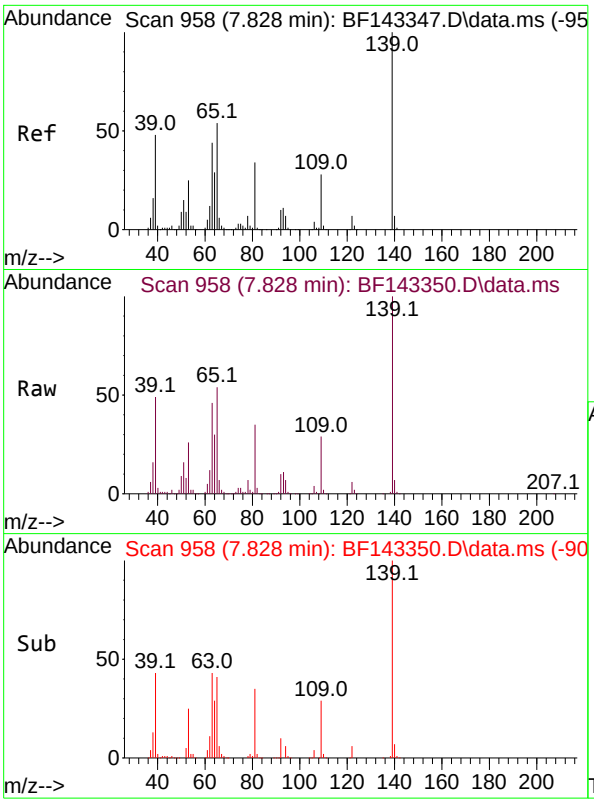


#25
Isophorone
Concen: 76.861 ng
RT: 7.757 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 82 Resp: 1574935

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	14.6	21.8



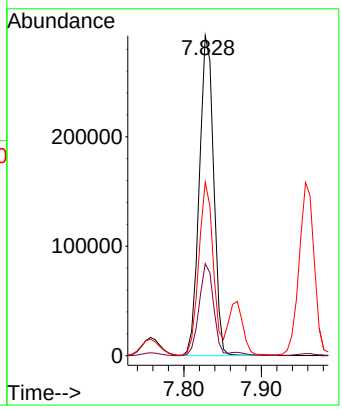


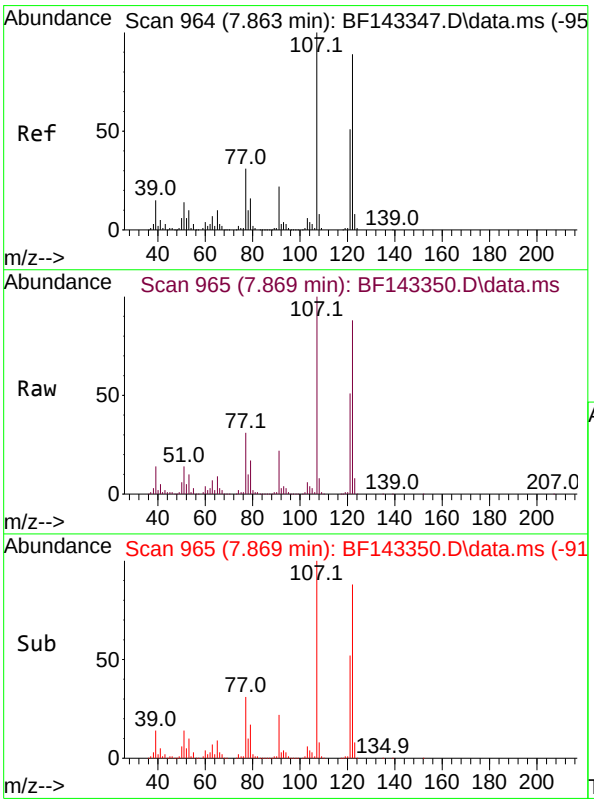
#26
2-Nitrophenol
Concen: 83.229 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 376225

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.4	33.6
65	54.2	42.9	64.3

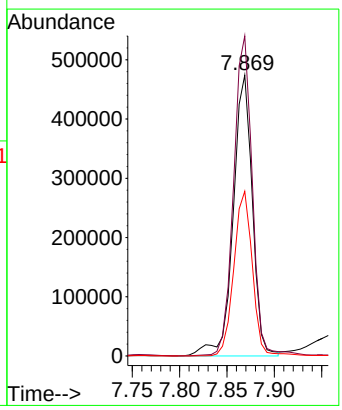


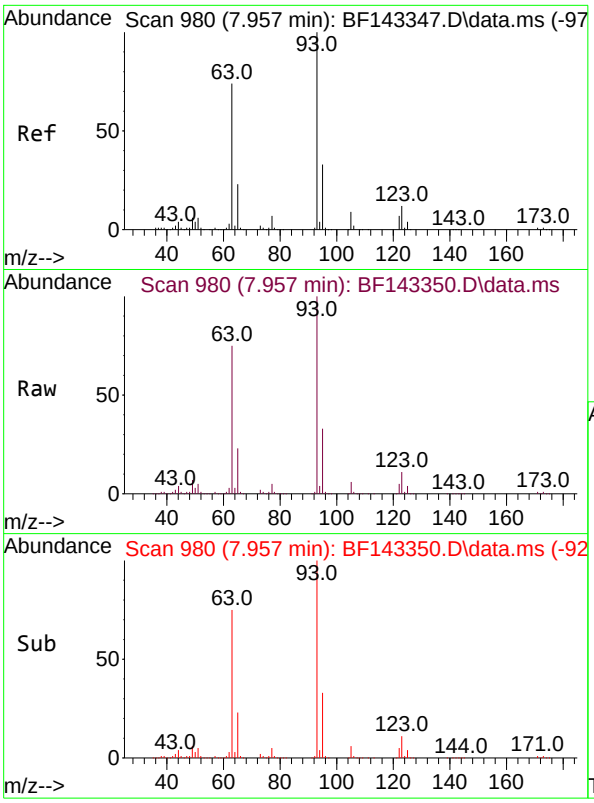


#27
2,4-Dimethylphenol
Concen: 78.052 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:122 Resp: 667248

Ion	Ratio	Lower	Upper
122	100		
107	114.0	89.9	134.9
121	58.7	46.2	69.4



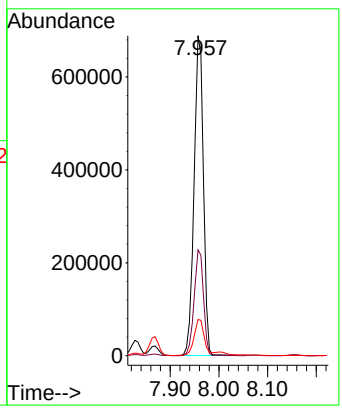


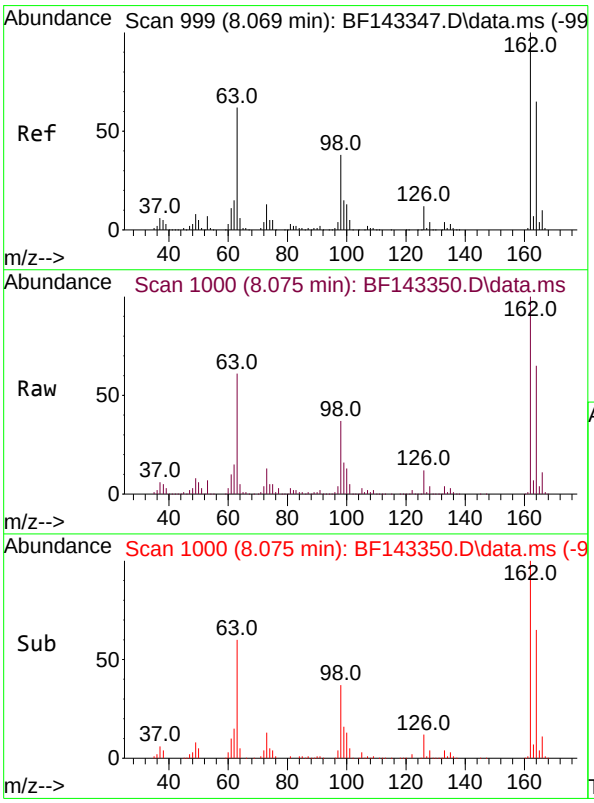
#28
bis(2-Chloroethoxy)methane
Concen: 73.686 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 921854

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	11.3	9.4	14.2

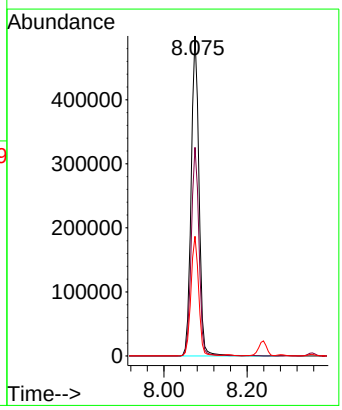


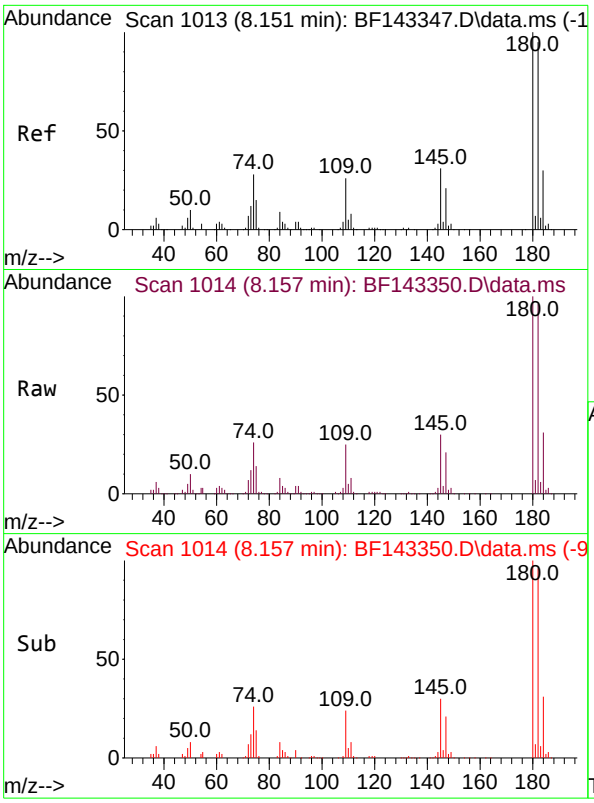


#29
2,4-Dichlorophenol
Concen: 78.392 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 654545

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.5	84.5
98	37.4	17.7	57.7



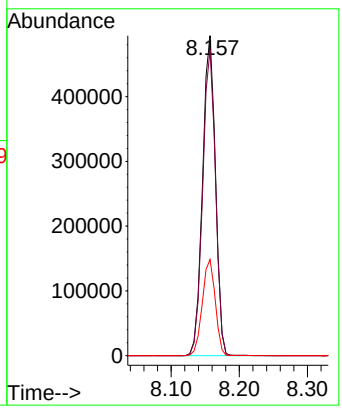


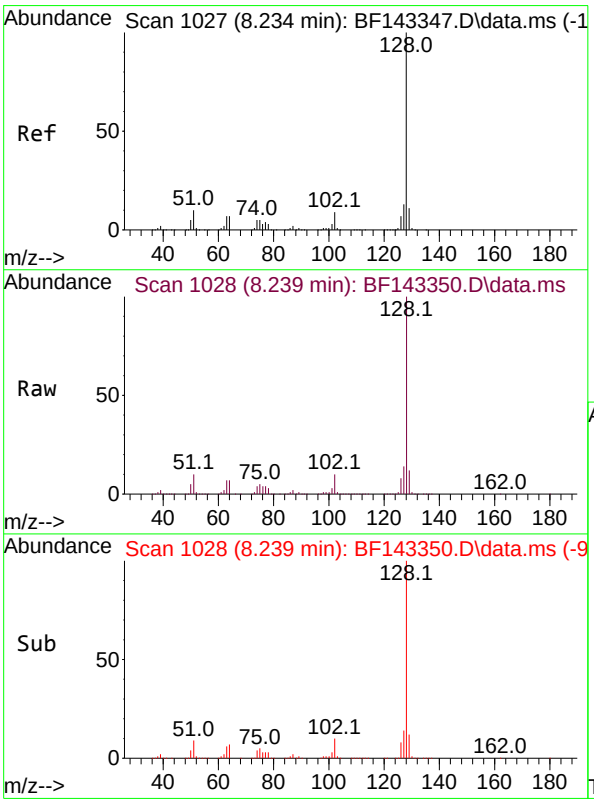
#30
1,2,4-Trichlorobenzene
Concen: 73.707 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 649172

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	30.0	24.9	37.3

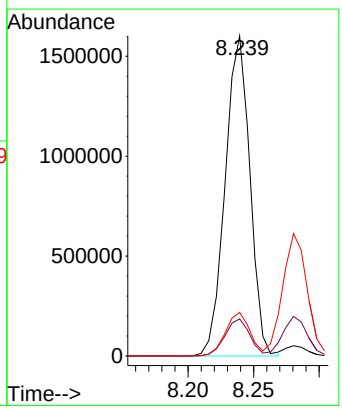


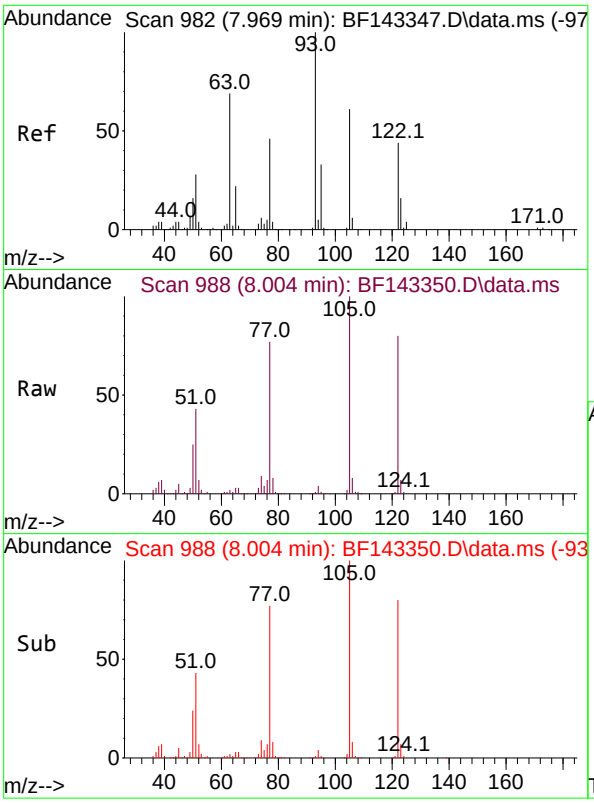


#31
Naphthalene
Concen: 69.783 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:128 Resp: 2098892

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.7	16.1



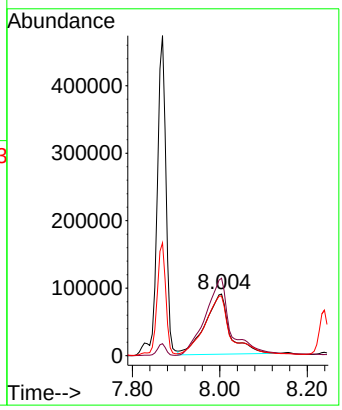


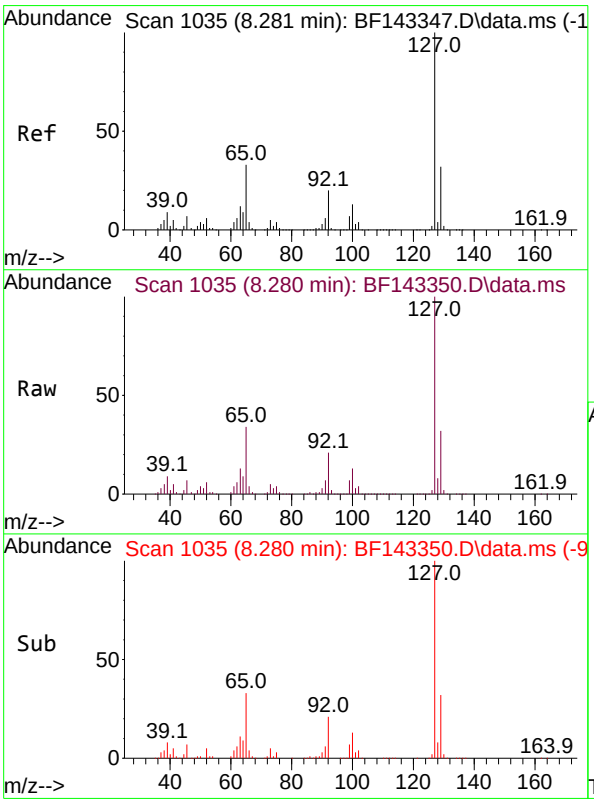
#32
Benzoic acid
Concen: 78.960 ng
RT: 8.004 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 354618

Ion	Ratio	Lower	Upper
122	100		
105	125.6	106.4	146.4
77	97.0	79.2	119.2

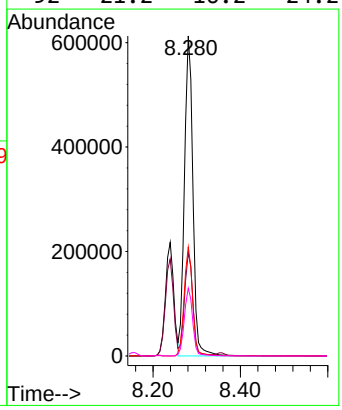


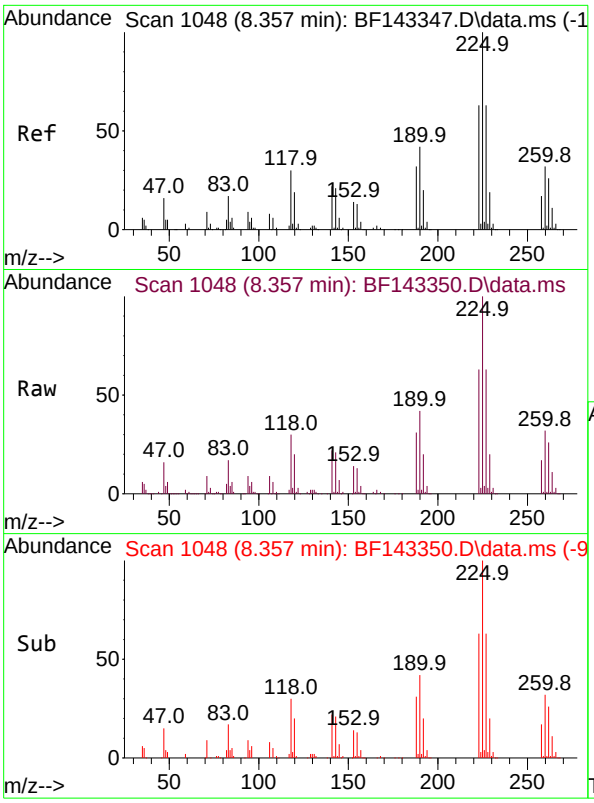


#33
4-Chloroaniline
Concen: 75.228 ng
RT: 8.280 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:127 Resp: 816103

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	34.0	27.0	40.4
92	21.2	16.2	24.2



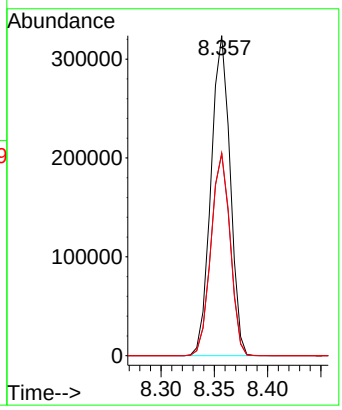


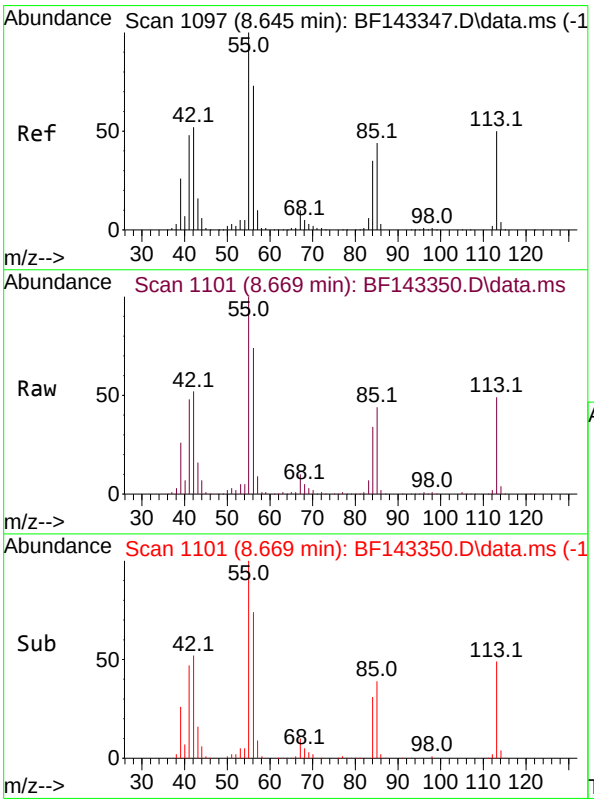
#34
Hexachlorobutadiene
Concen: 73.592 ng
RT: 8.357 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 403199

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.3	50.6	75.8

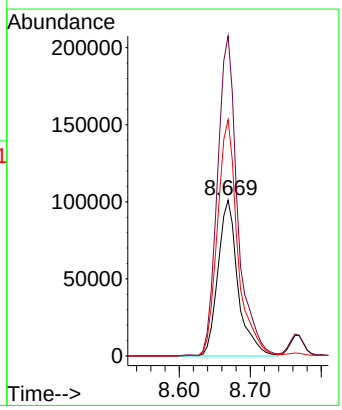


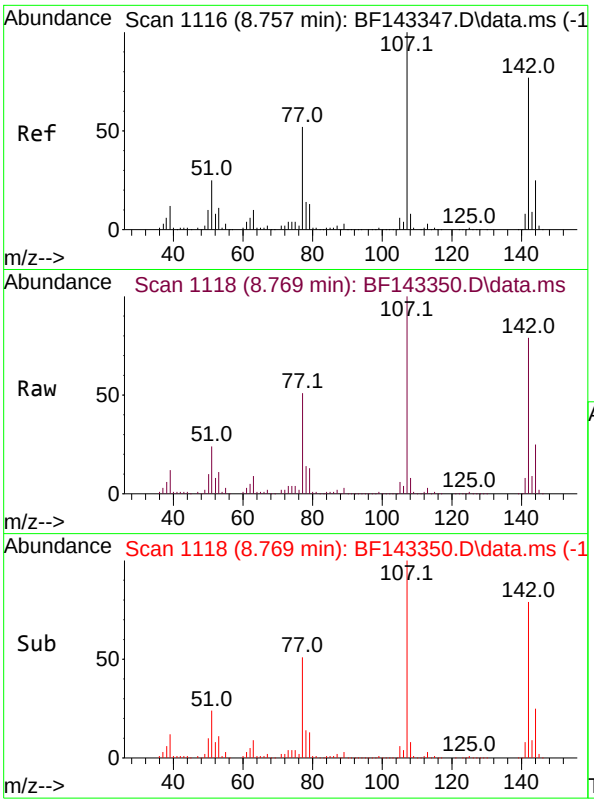


#35
Caprolactam
Concen: 84.172 ng
RT: 8.669 min Scan# 1101
Delta R.T. 0.023 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:113 Resp: 197571

Ion	Ratio	Lower	Upper
113	100		
55	205.3	181.4	221.4
56	151.6	127.3	167.3



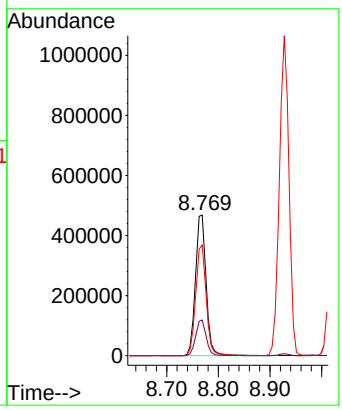


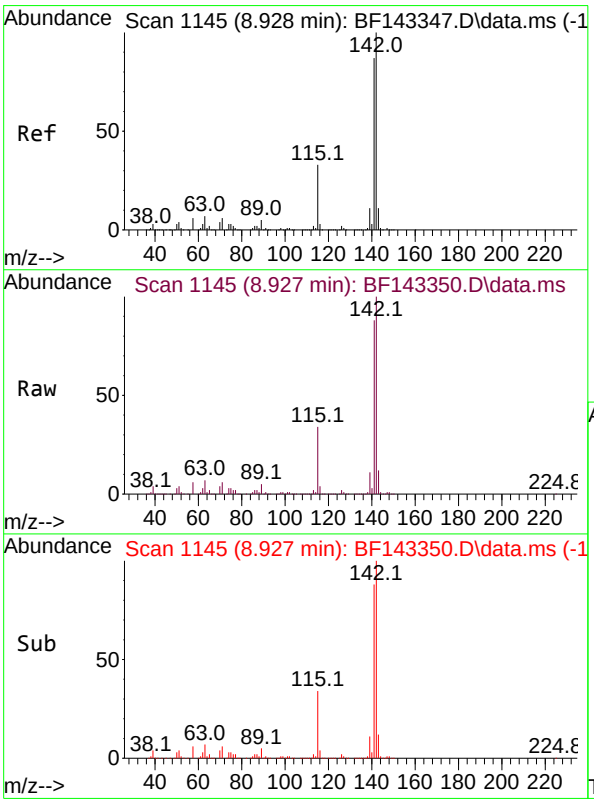
#36
4-Chloro-3-methylphenol
Concen: 77.000 ng
RT: 8.769 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 674001

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	78.5	61.3	91.9

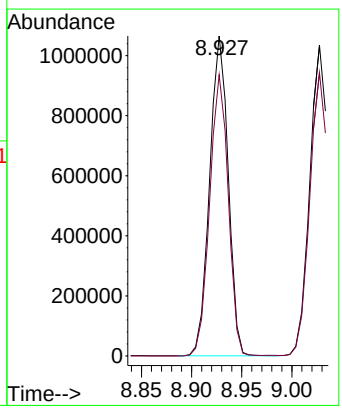


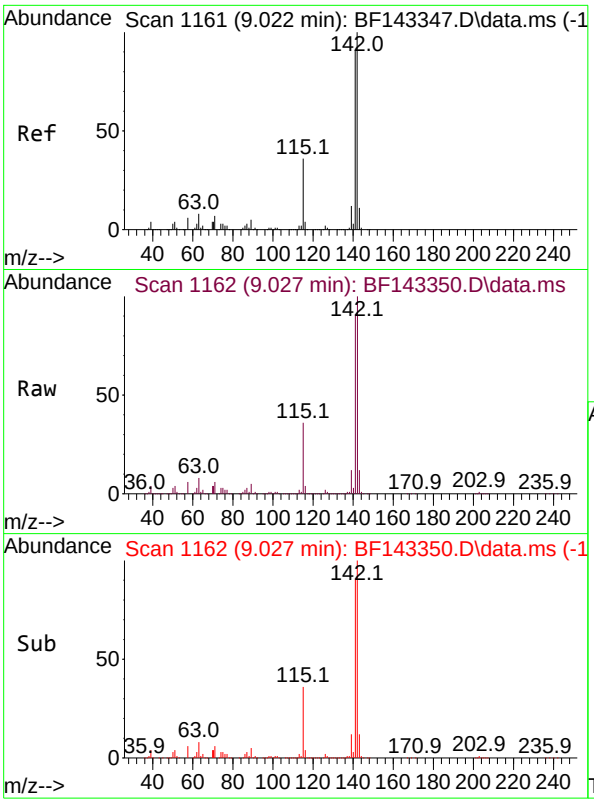


#37
2-Methylnaphthalene
Concen: 69.303 ng
RT: 8.927 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:142 Resp: 1370352

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.8	104.8



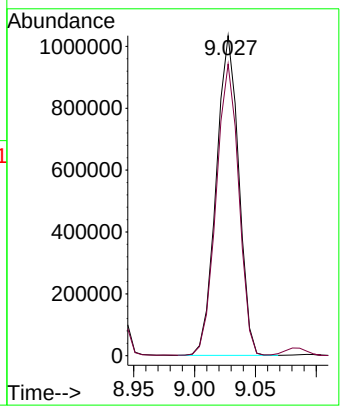


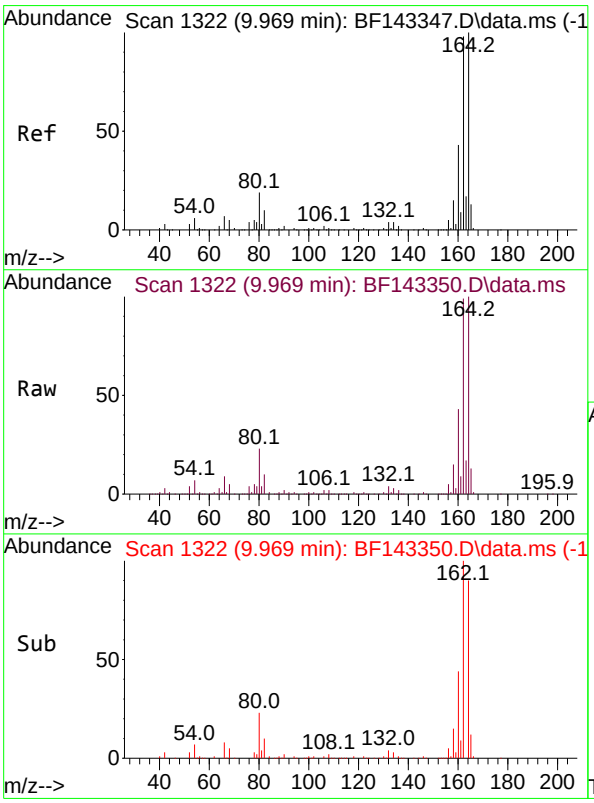
#38
1-Methylnaphthalene
Concen: 69.780 ng
RT: 9.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1328881

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4

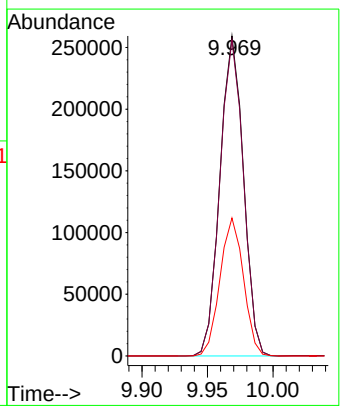


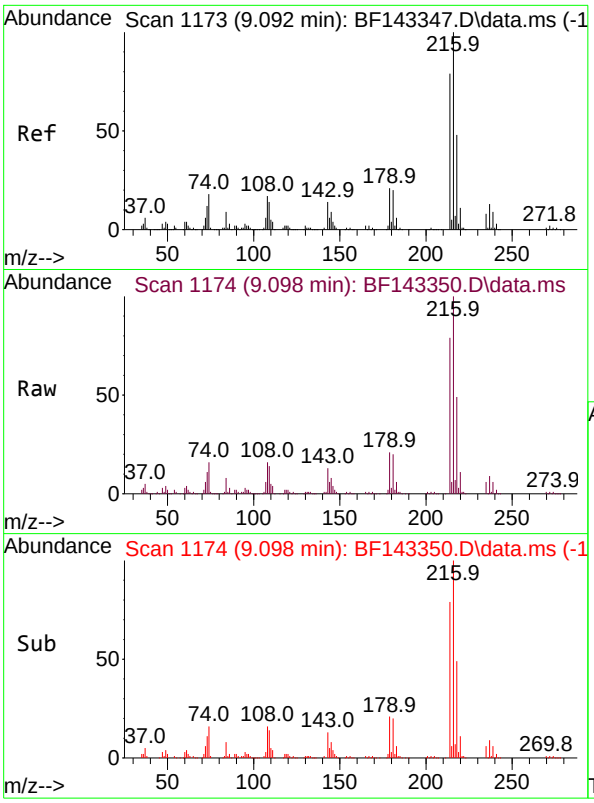


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:164 Resp: 322984

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.6	118.0
160	43.1	34.4	51.6



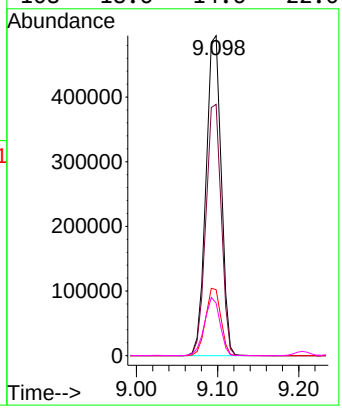


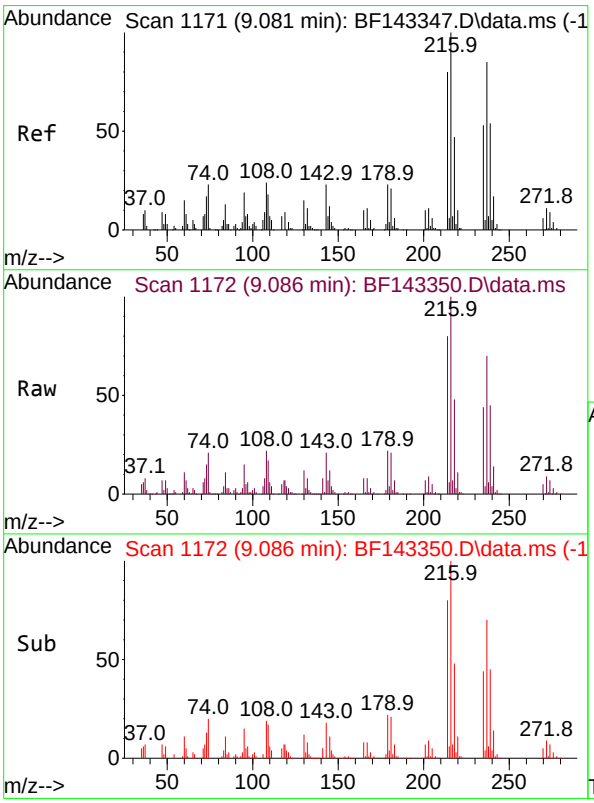
#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.936 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 644623

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.0	17.0	25.4
108	18.6	14.6	22.0

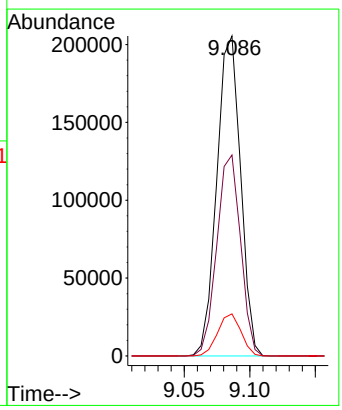


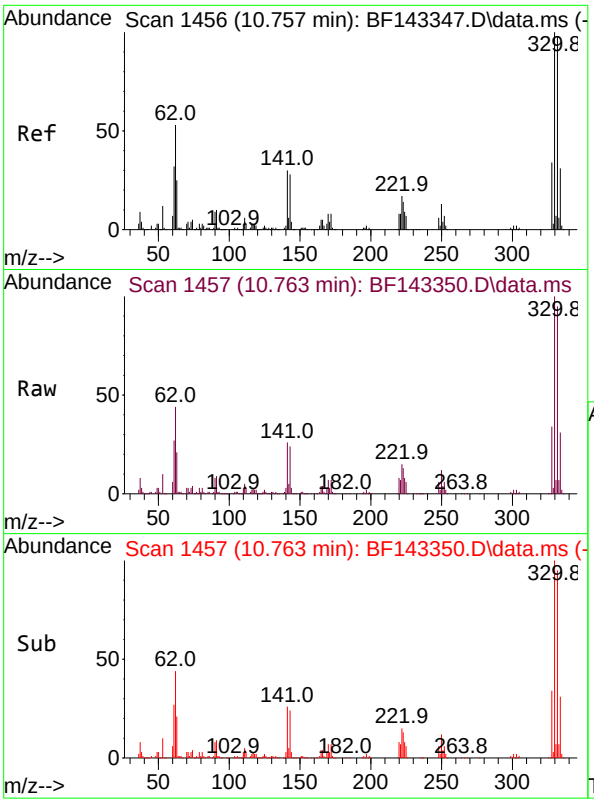


#41
Hexachlorocyclopentadiene
Concen: 82.835 ng
RT: 9.086 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:237 Resp: 259048

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.0	82.0
272	13.2	0.0	32.6



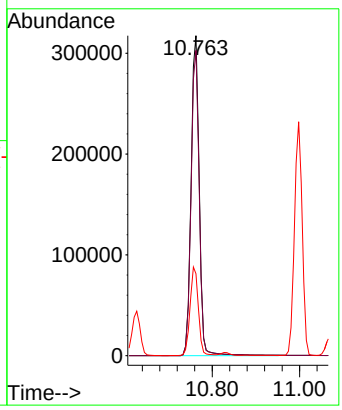


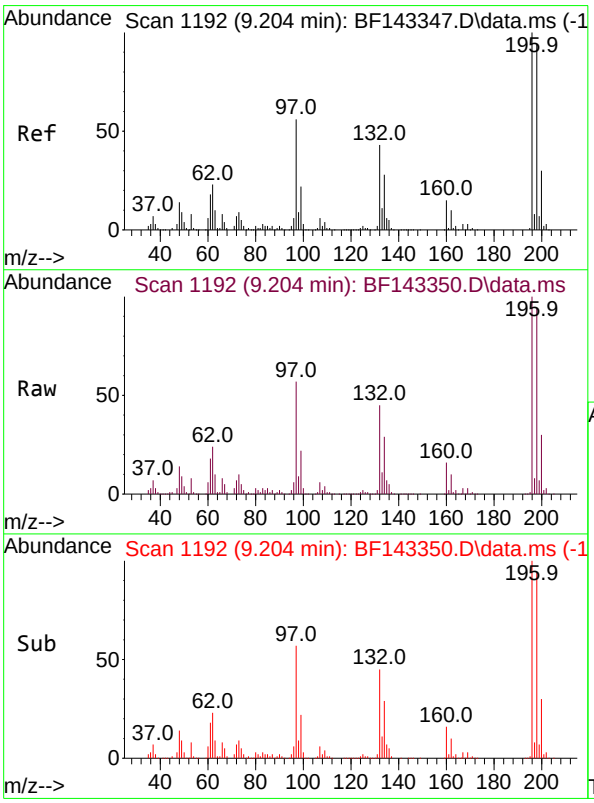
#42
2,4,6-Tribromophenol
Concen: 174.486 ng
RT: 10.763 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 411864

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.1	117.1
141	28.4	25.4	38.0

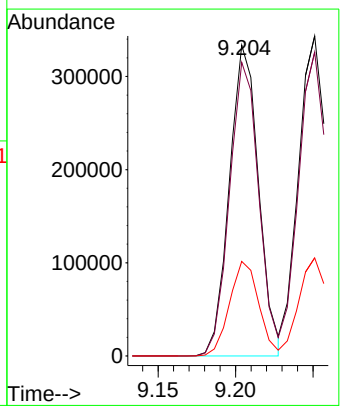


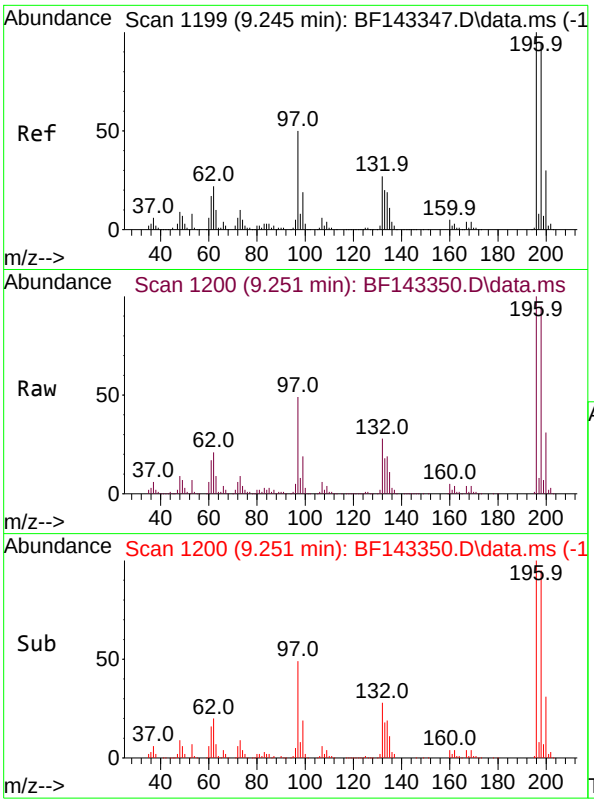


#43
2,4,6-Trichlorophenol
Concen: 87.149 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:196 Resp: 437022

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.4	113.0
200	30.4	24.3	36.5



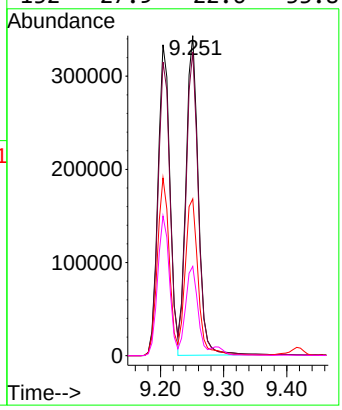


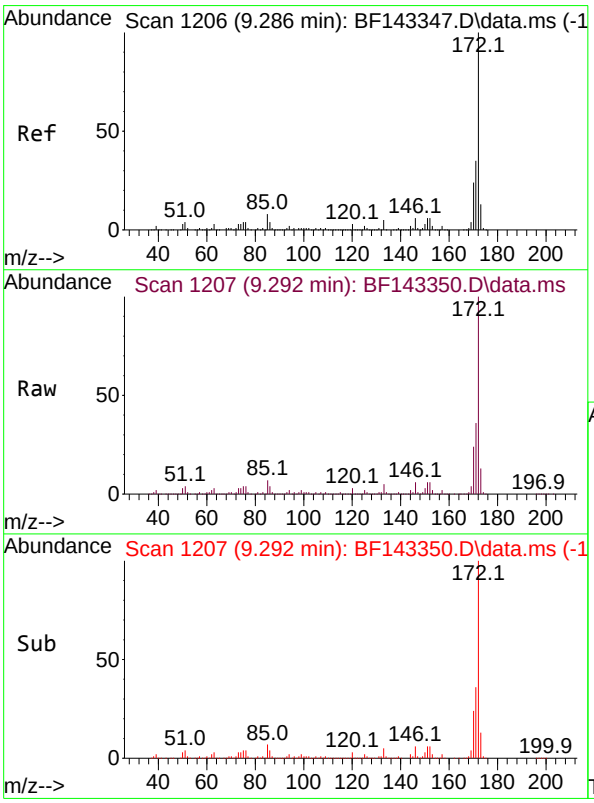
#44
2,4,5-Trichlorophenol
Concen: 82.433 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 466807

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.4	113.2
97	49.0	39.9	59.9
132	27.9	22.6	33.8

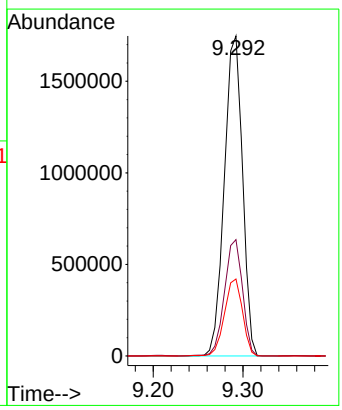


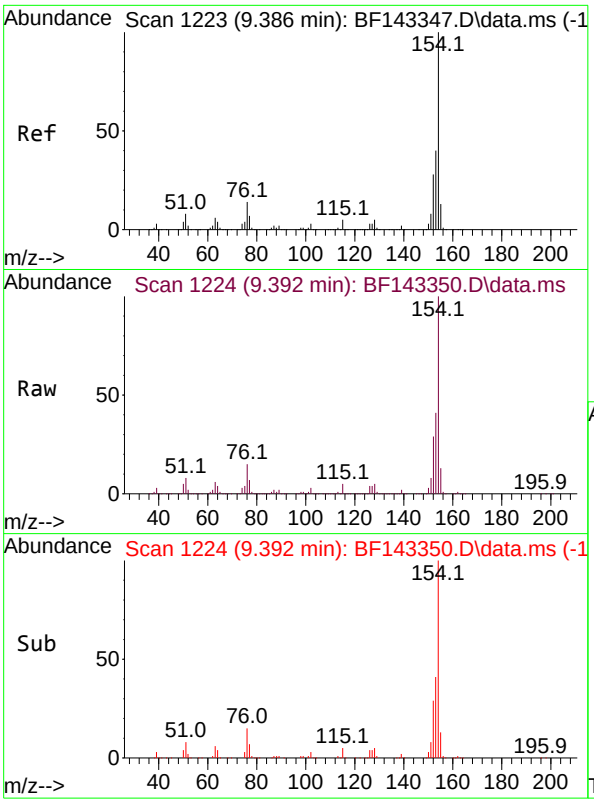


#45
2-Fluorobiphenyl
Concen: 129.045 ng
RT: 9.292 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:172 Resp: 2457872

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.4	42.6
170	24.0	19.1	28.7



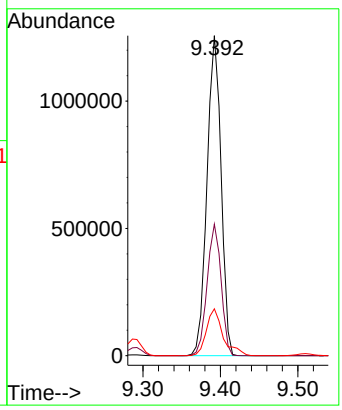


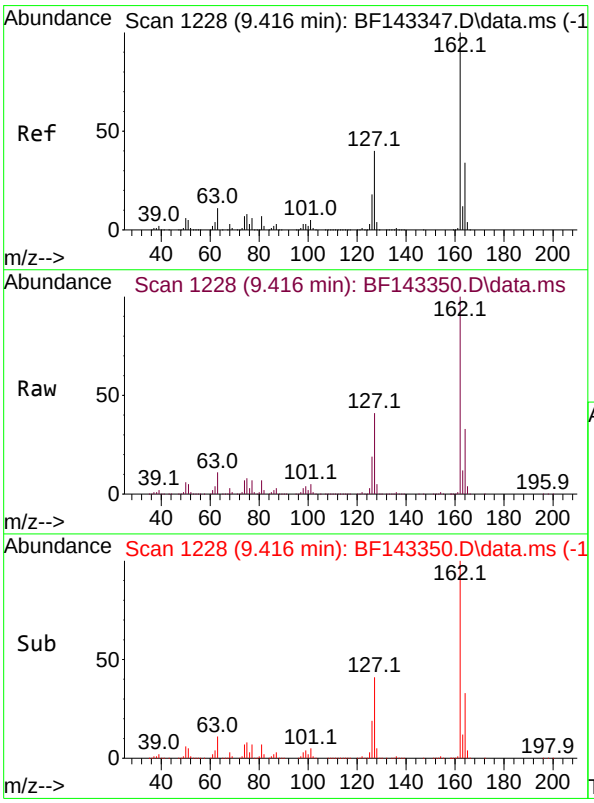
#46
1,1'-Biphenyl
Concen: 69.203 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1580379

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.2	60.2
76	14.6	0.0	34.4

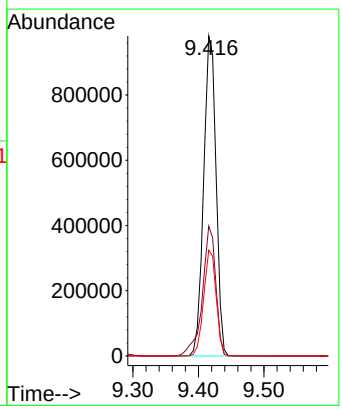


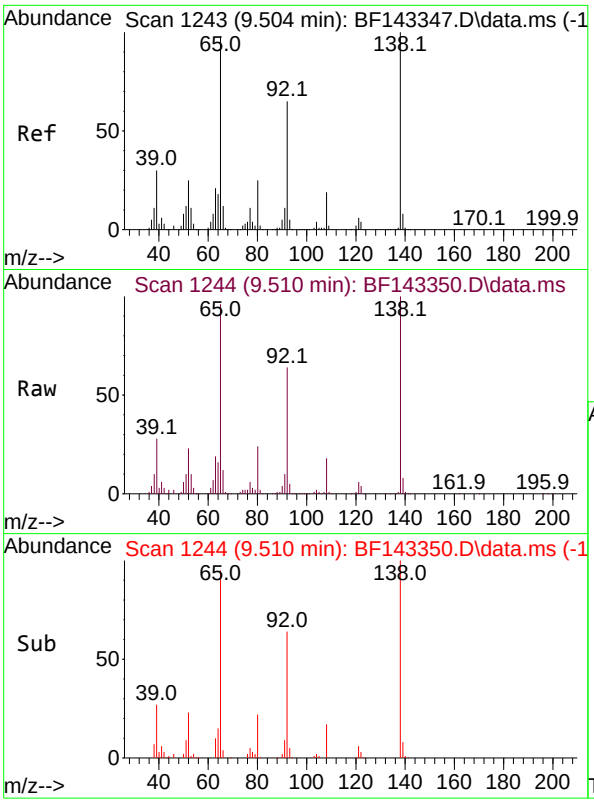


#47
2-Chloronaphthalene
Concen: 72.042 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 1295723

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.1	48.1
164	33.1	27.0	40.4



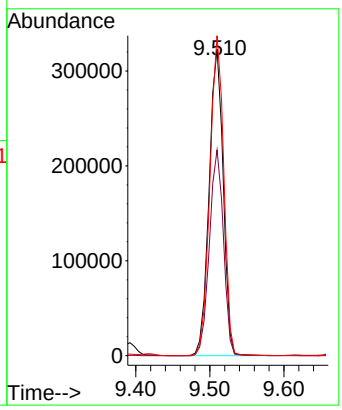


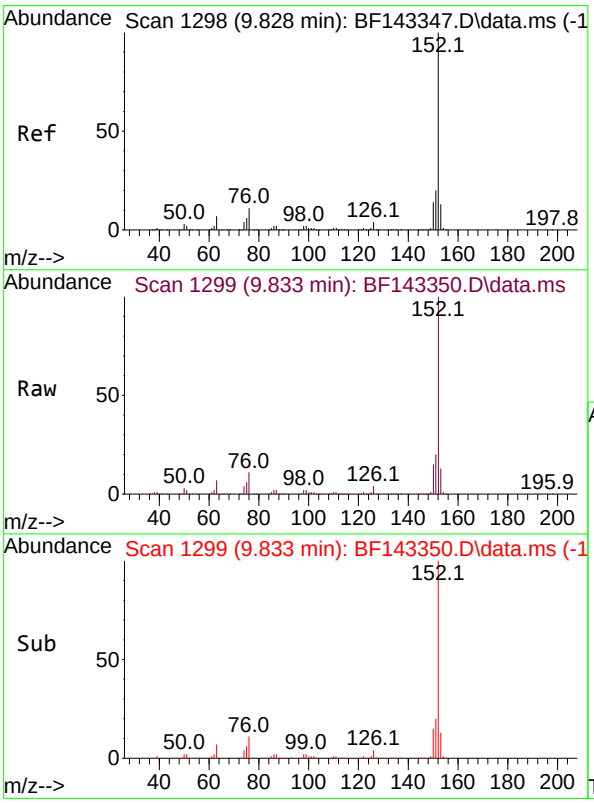
#48
2-Nitroaniline
Concen: 80.247 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 426490

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.1	79.7
138	104.4	81.4	122.0

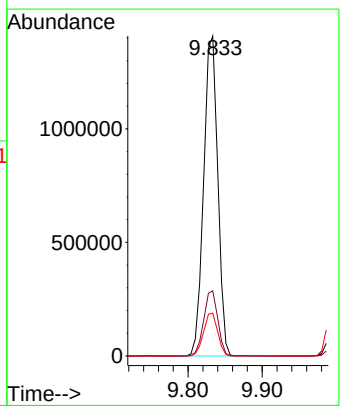


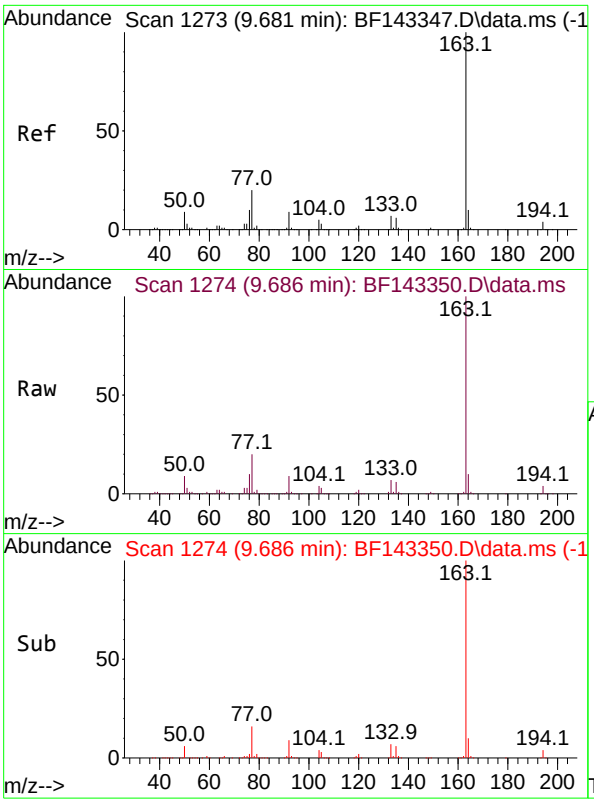


#49
Acenaphthylene
Concen: 71.842 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:152 Resp: 1865988

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.3	10.6	16.0



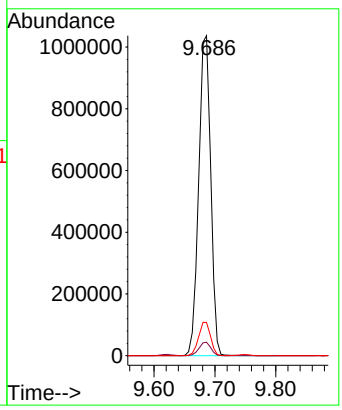


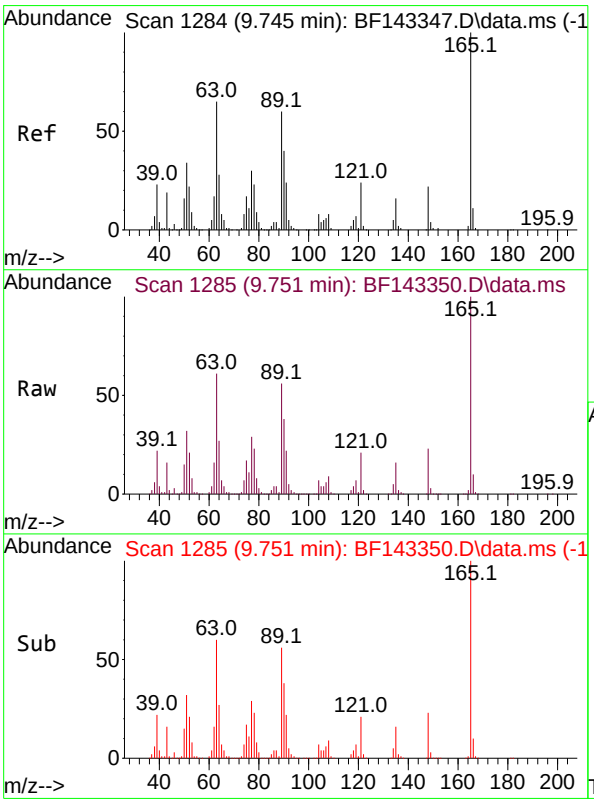
#50
Dimethylphthalate
Concen: 75.513 ng
RT: 9.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1425124

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.2	12.2

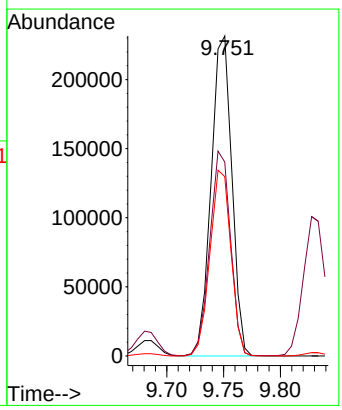


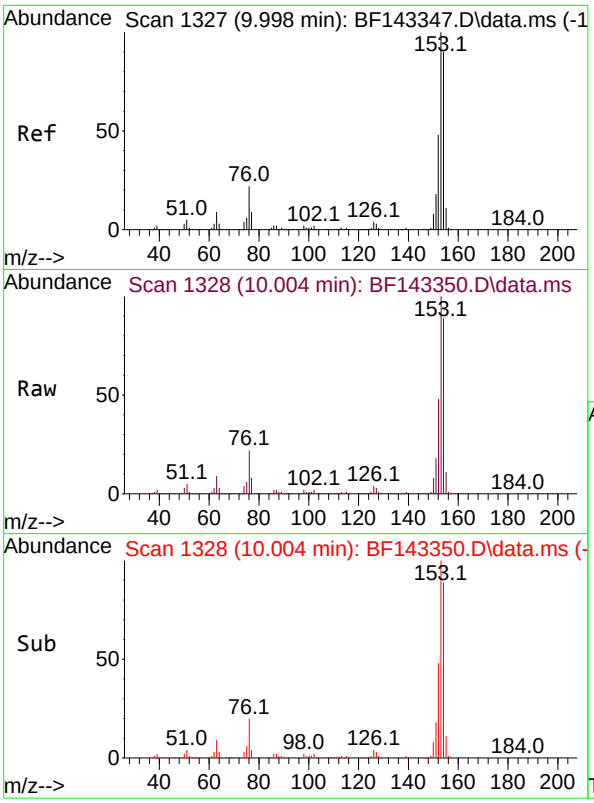


#51
2,6-Dinitrotoluene
Concen: 80.211 ng
RT: 9.751 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 294018

Ion	Ratio	Lower	Upper
165	100		
63	60.6	51.6	77.4
89	56.1	47.7	71.5



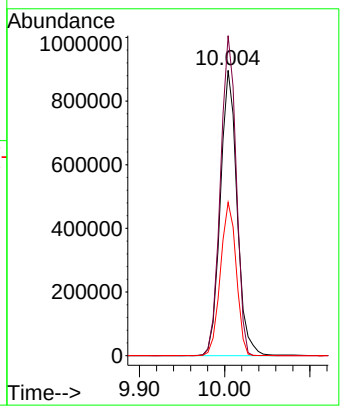


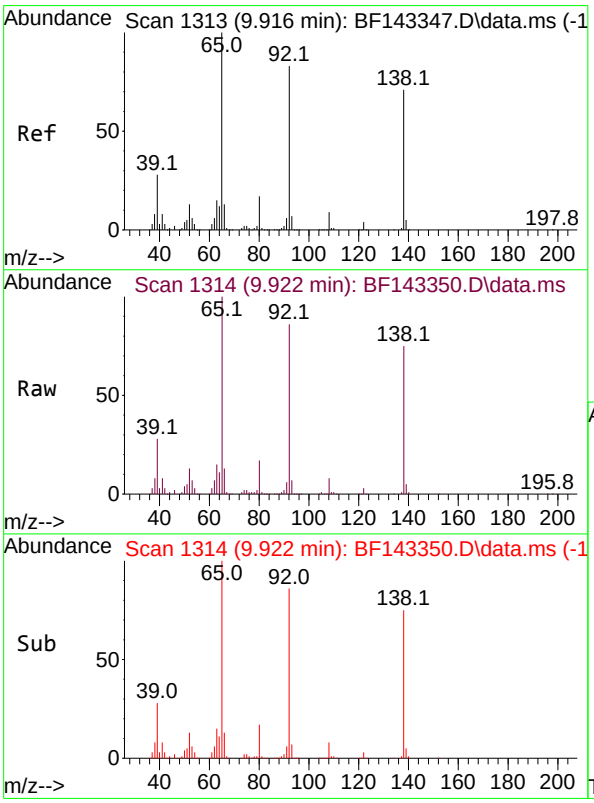
#52
Acenaphthene
Concen: 70.714 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1221046

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.5	132.7
152	53.7	42.4	63.6

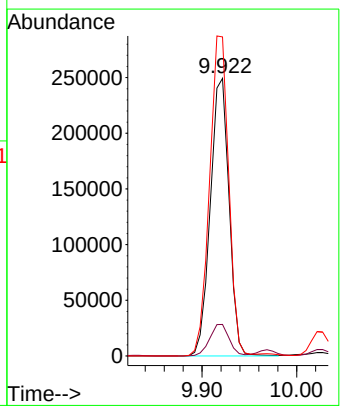


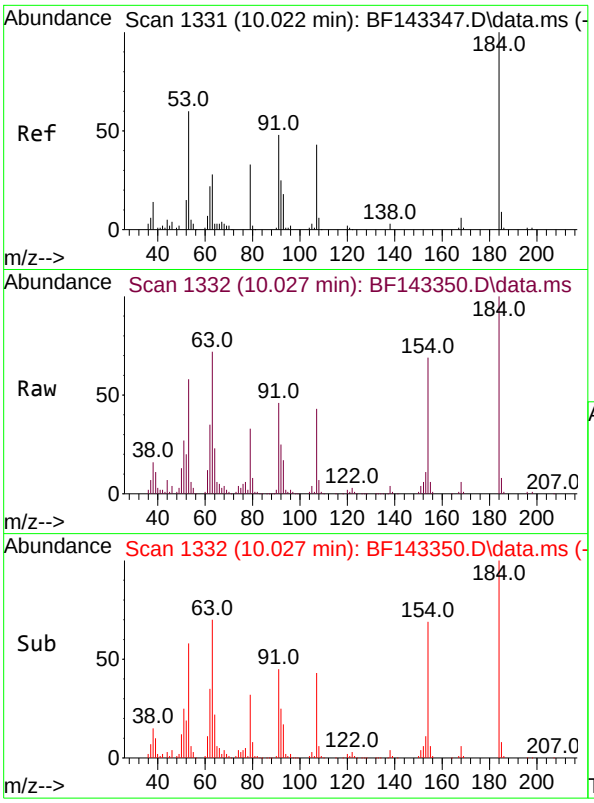


#53
3-Nitroaniline
Concen: 88.887 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:138 Resp: 343541

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.6	14.4
92	114.9	93.4	140.2



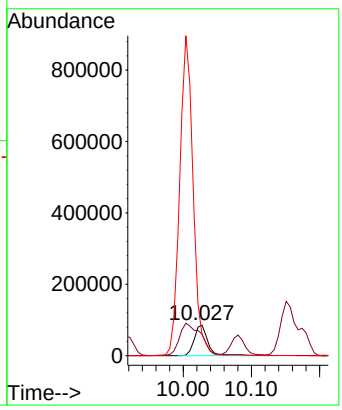


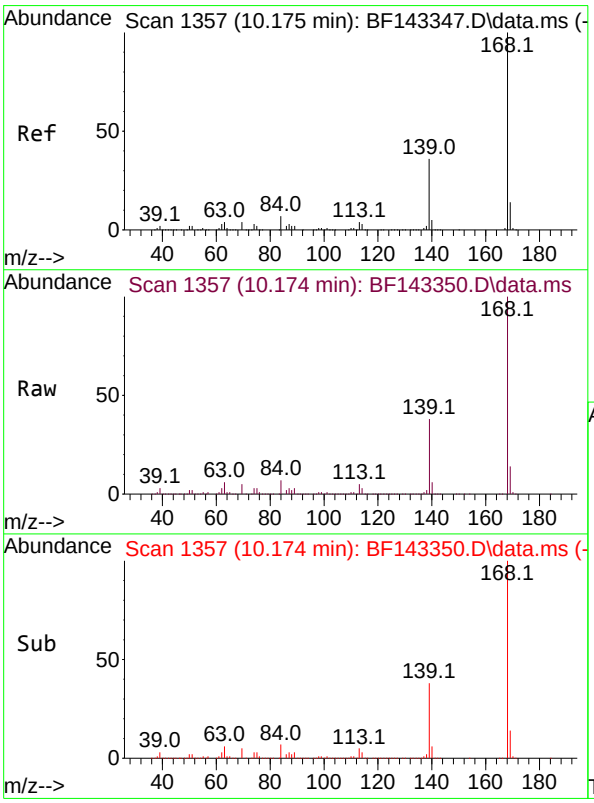
#54
2,4-Dinitrophenol
Concen: 79.041 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 118753

Ion	Ratio	Lower	Upper
184	100		
63	71.5	62.5	93.7
154	69.2	73.0	109.4#

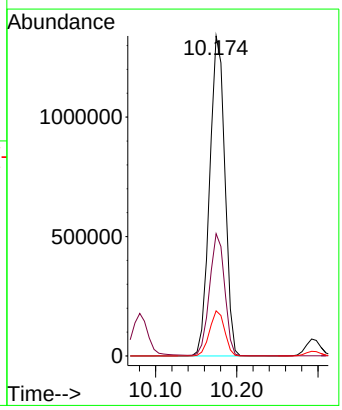


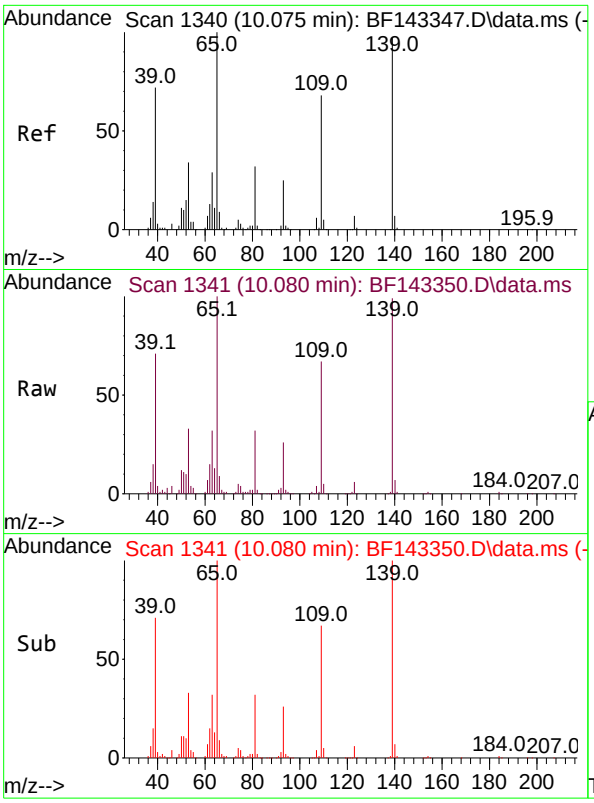


#55
Dibenzofuran
Concen: 69.969 ng
RT: 10.174 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:168 Resp: 1738835

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.4	44.0
169	14.1	11.0	16.6



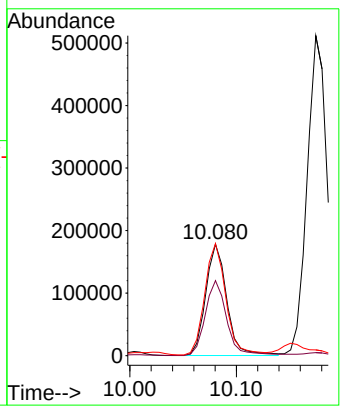


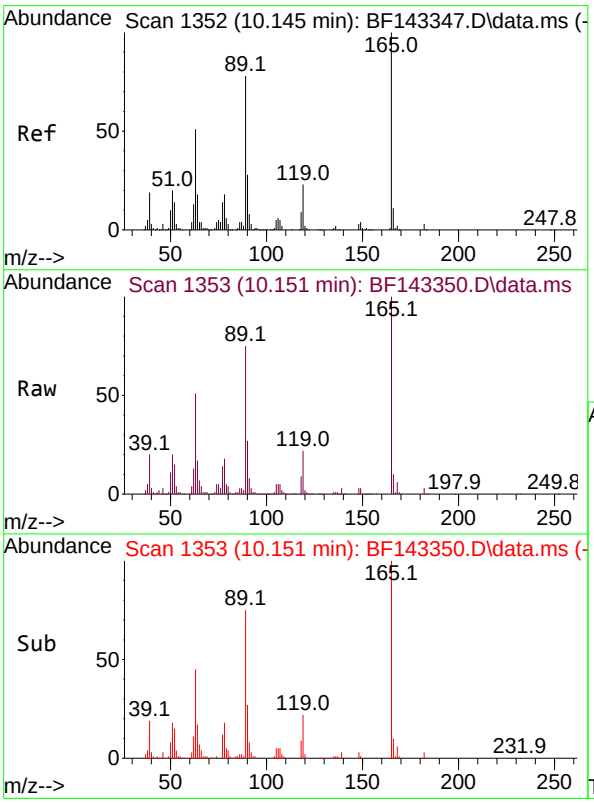
#56
4-Nitrophenol
Concen: 79.477 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 245374

Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.4	89.4
65	100.6	83.7	123.7

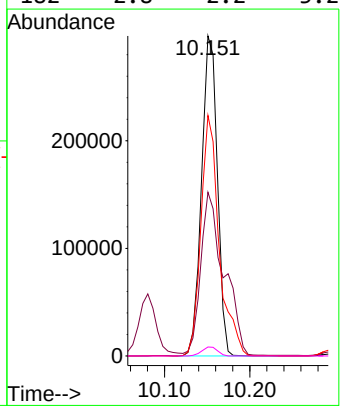


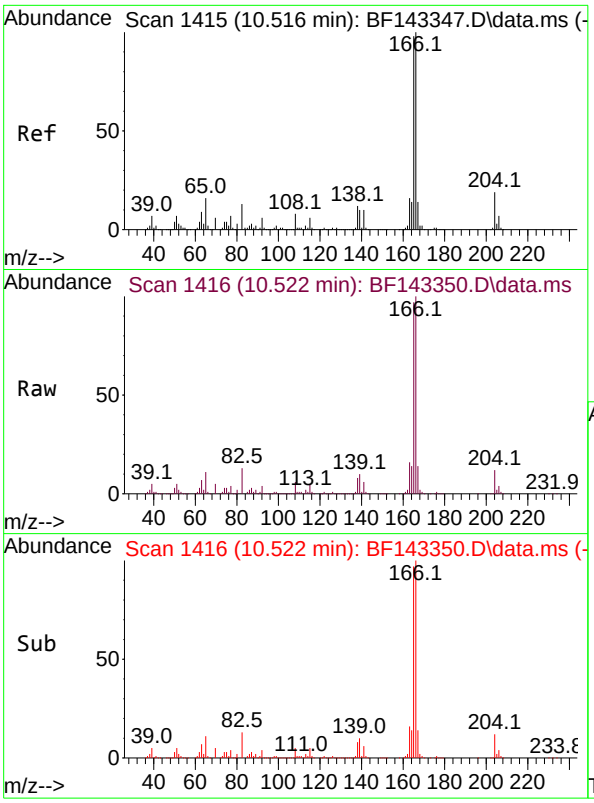


#57
2,4-Dinitrotoluene
Concen: 78.864 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 383533

Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.8	62.8
89	75.1	62.4	93.6
182	2.8	2.2	3.2



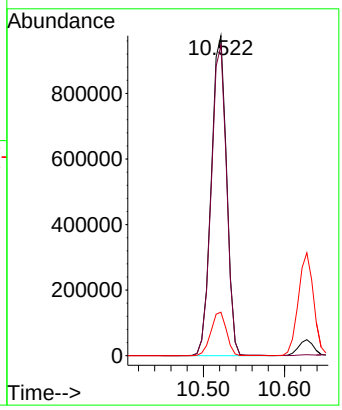


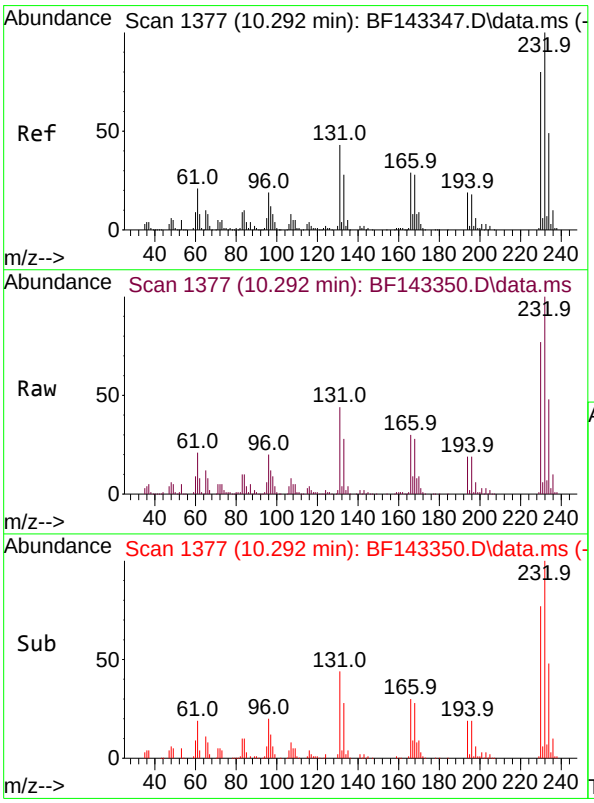
#58
Fluorene
Concen: 67.103 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 1273759

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.4
167	13.6	10.9	16.3

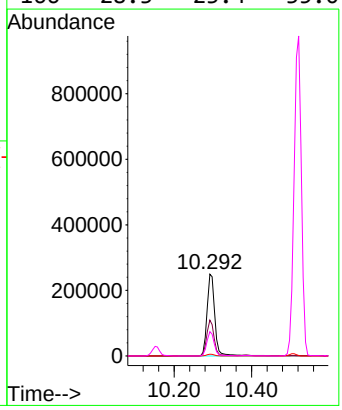


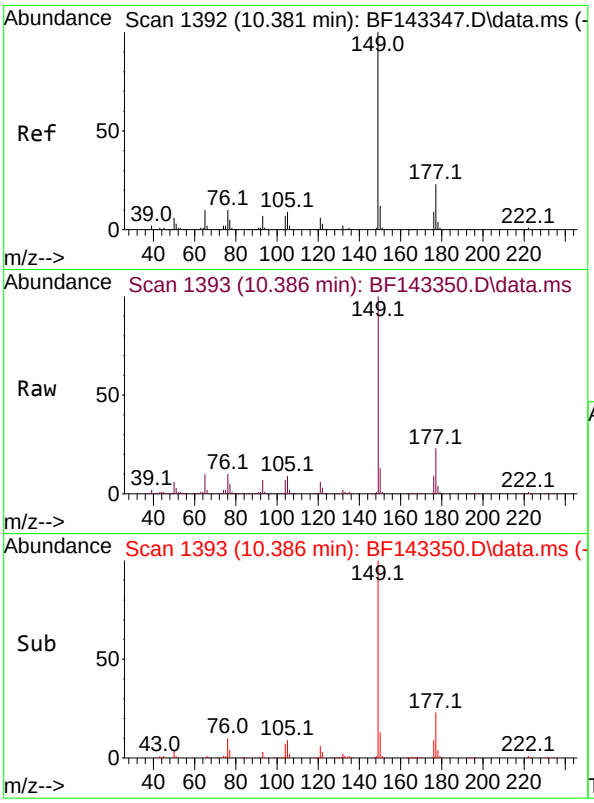


#59
2,3,4,6-Tetrachlorophenol
Concen: 91.466 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:232 Resp: 349157

Ion	Ratio	Lower	Upper
232	100		
131	41.7	34.6	51.8
130	2.1	1.7	2.5
166	28.3	23.4	35.0



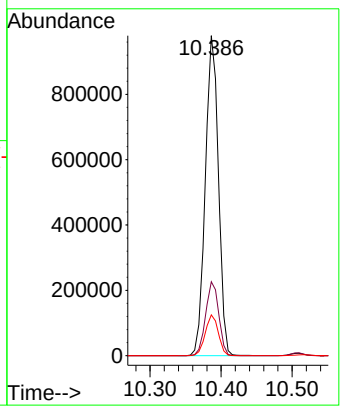


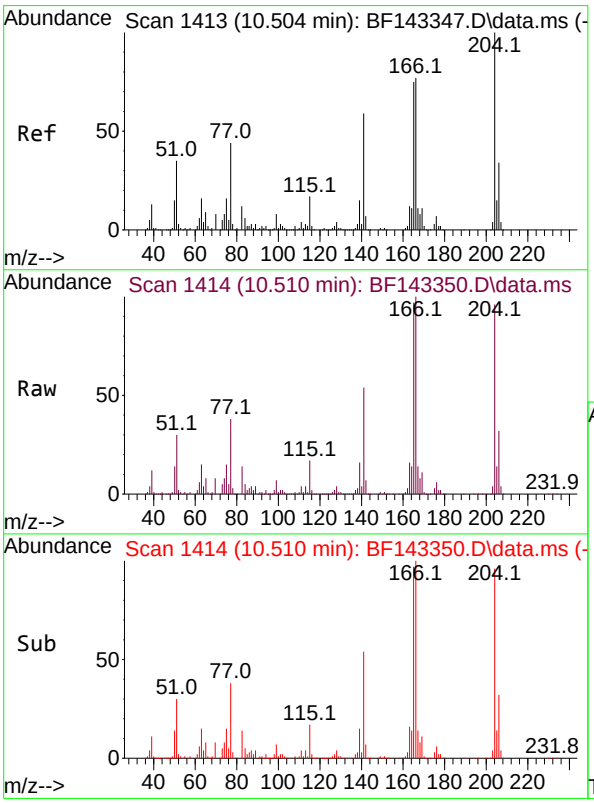
#60
Diethylphthalate
Concen: 74.465 ng
RT: 10.386 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1258798

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.8	9.9	14.9

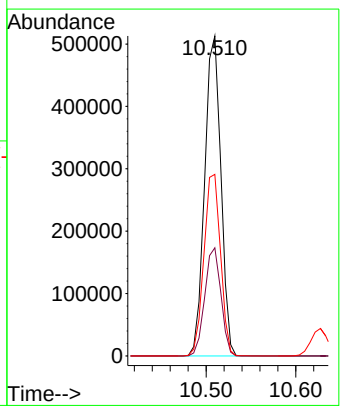


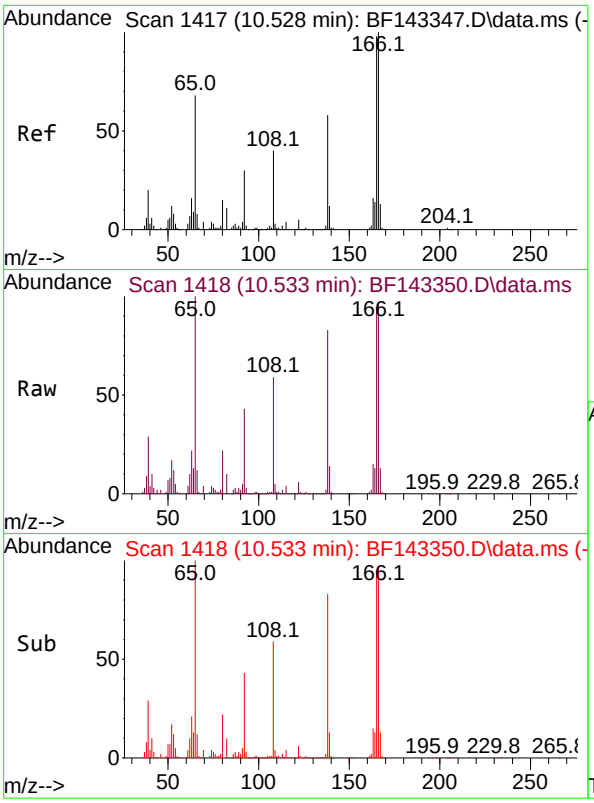


#61
4-Chlorophenyl-phenylether
Concen: 70.191 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:204 Resp: 643793

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	56.8	46.9	70.3



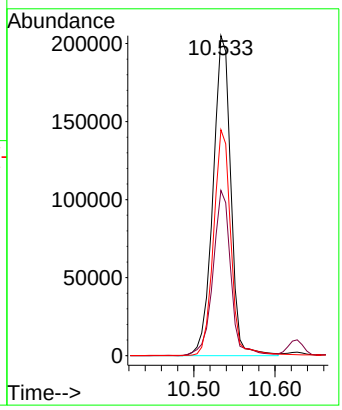


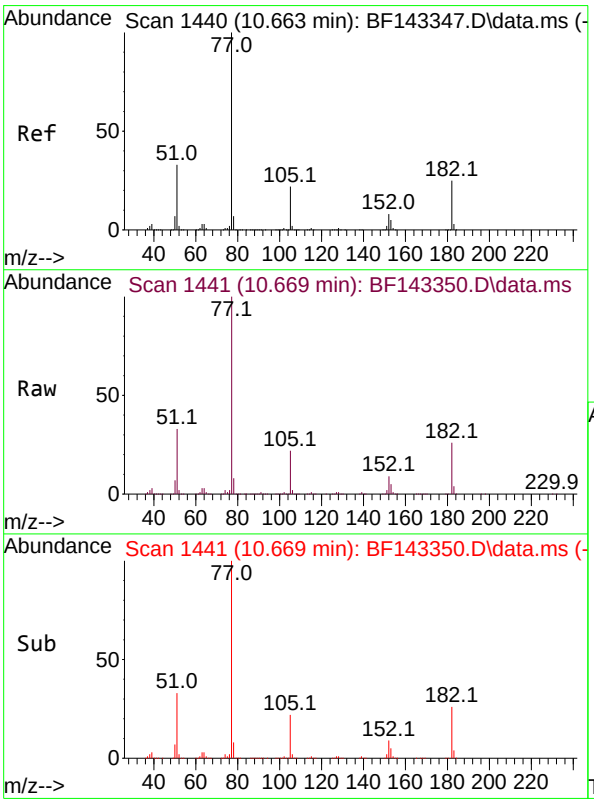
#62
4-Nitroaniline
Concen: 83.616 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 312667

Ion	Ratio	Lower	Upper
138	100		
92	51.7	31.2	71.2
108	70.6	48.1	88.1

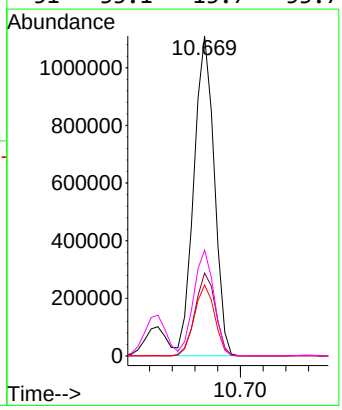


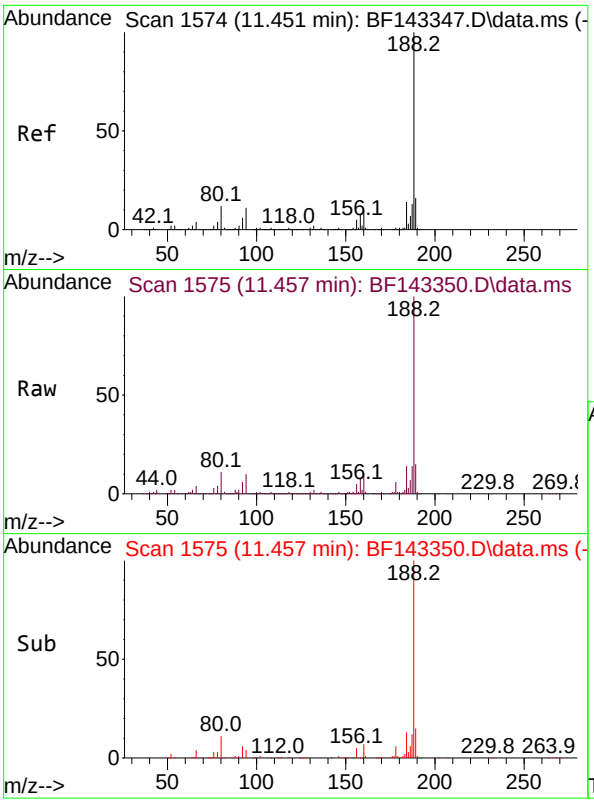


#63
Azobenzene
Concen: 71.269 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 77 Resp: 1376109

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.4	44.4
105	22.2	1.8	41.8
51	33.1	13.7	53.7



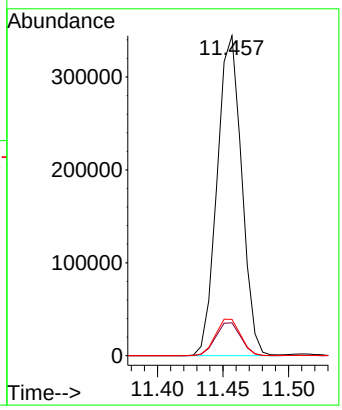


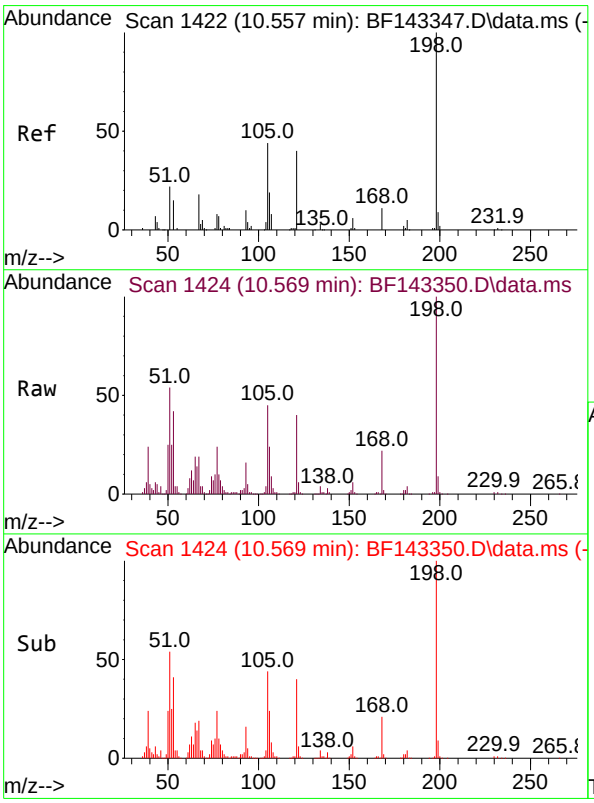
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 448378

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.8	13.2
80	11.4	9.7	14.5

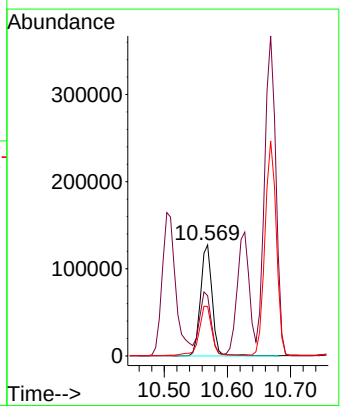


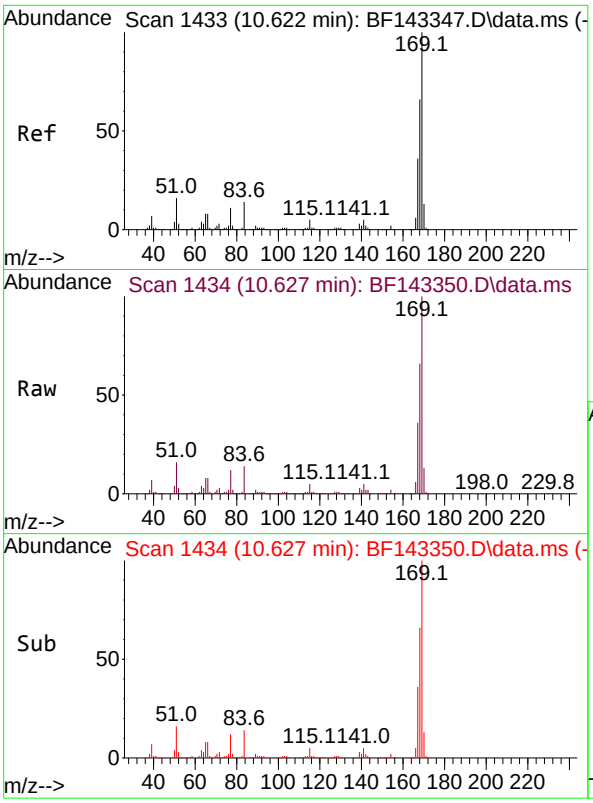


#65
4,6-Dinitro-2-methylphenol
Concen: 83.490 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:198 Resp: 162929

Ion	Ratio	Lower	Upper
198	100		
51	54.2	41.7	81.7
105	44.5	26.8	66.8



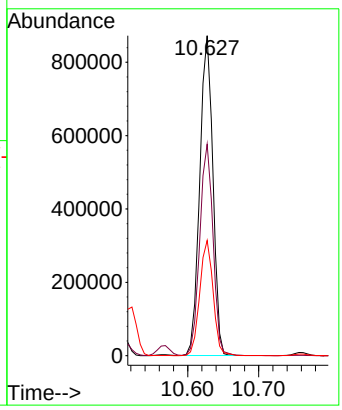


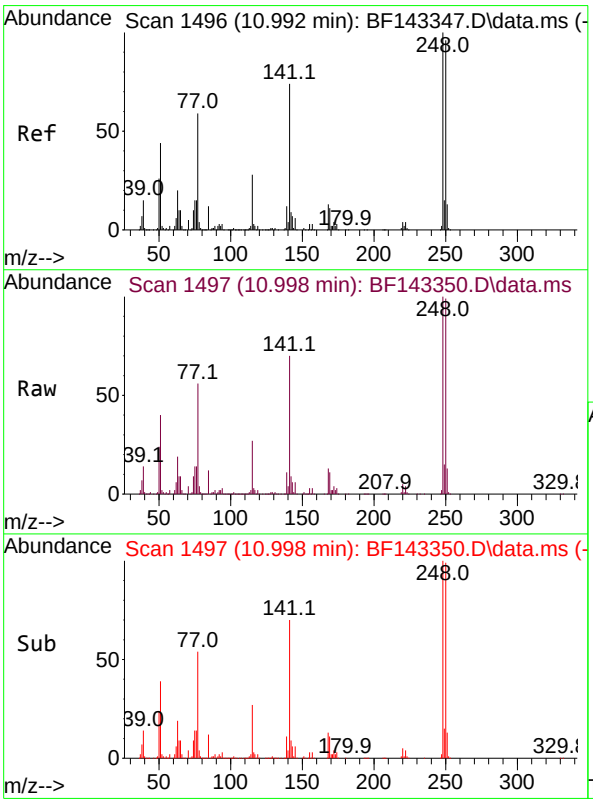
#66
n-Nitrosodiphenylamine
Concen: 76.190 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 1124872

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.7	79.1
167	36.0	28.6	42.8

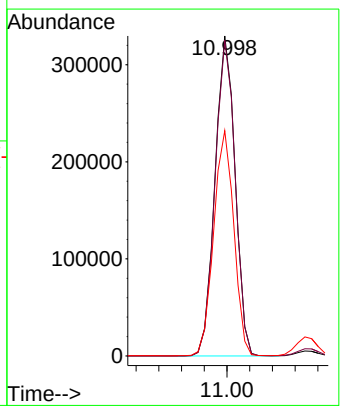


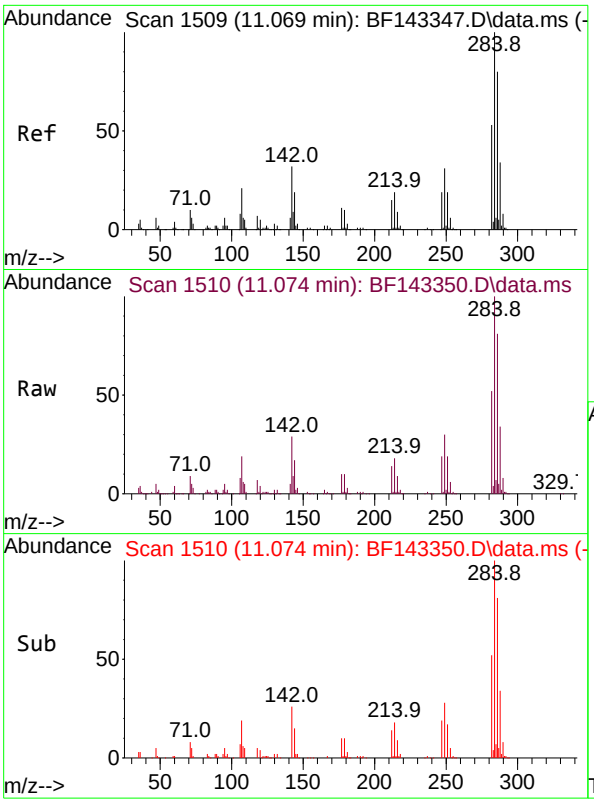


#67
4-Bromophenyl-phenylether
Concen: 79.007 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:248 Resp: 405148

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.1	115.7
141	70.4	59.1	88.7



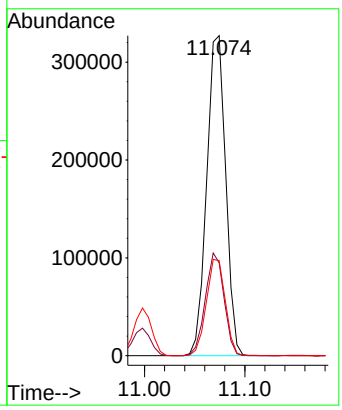


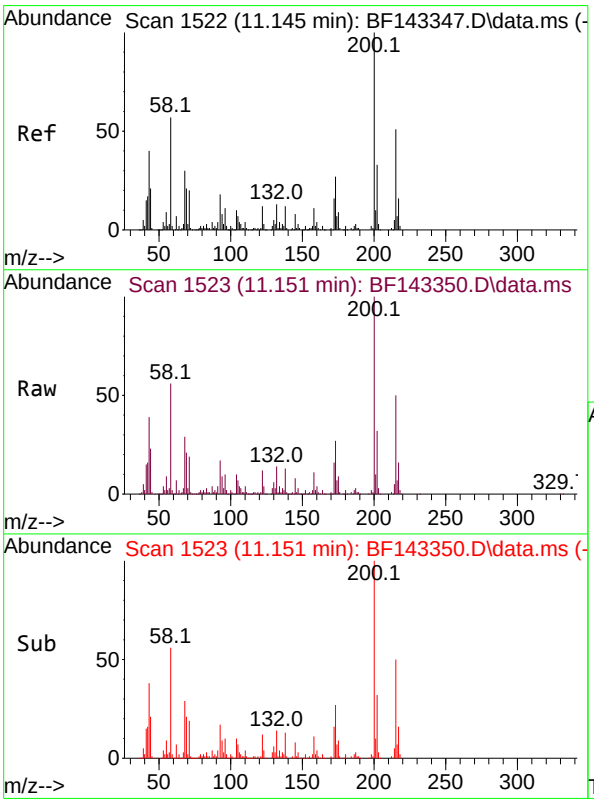
#68
Hexachlorobenzene
Concen: 78.001 ng
RT: 11.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 431148

Ion	Ratio	Lower	Upper
284	100		
142	29.0	25.7	38.5
249	29.7	24.6	37.0

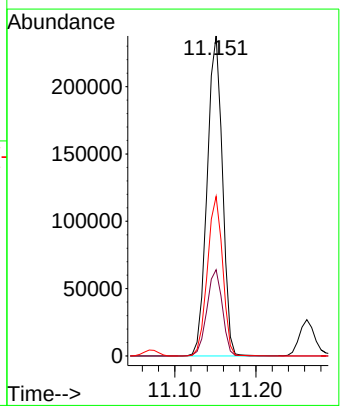


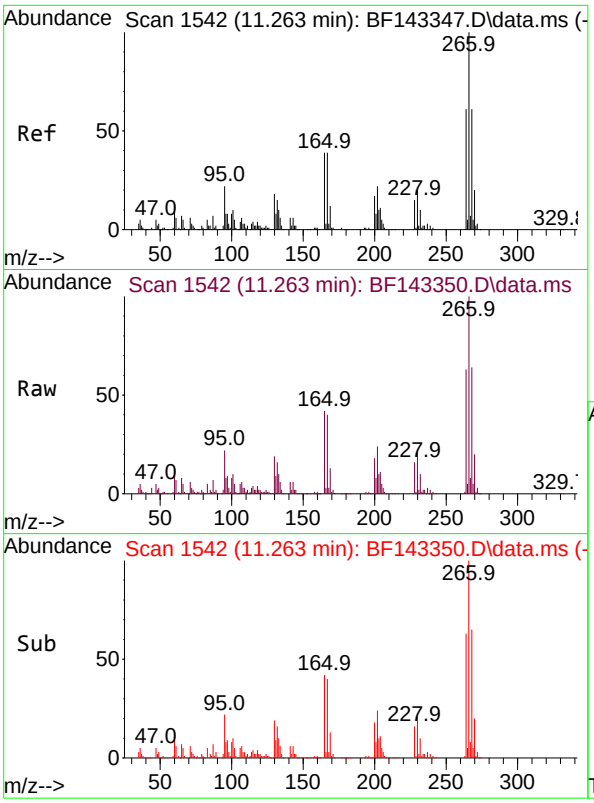


#69
Atrazine
Concen: 80.438 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:200 Resp: 309748

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.6	46.6
215	49.8	30.6	70.6



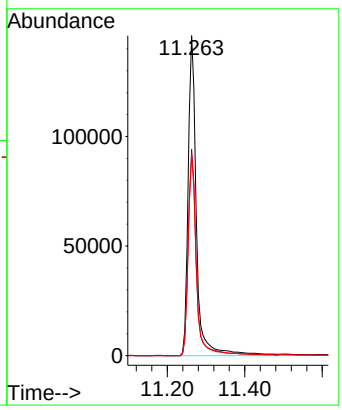


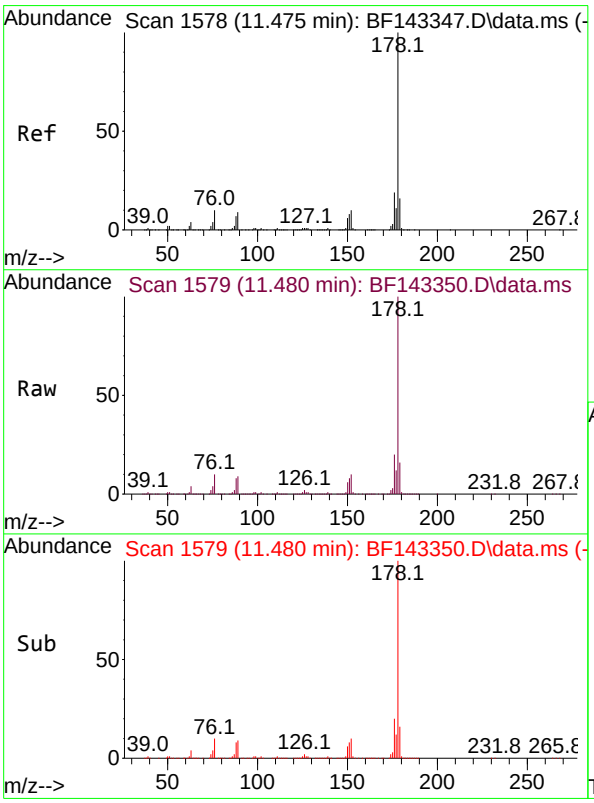
#70
Pentachlorophenol
Concen: 80.616 ng
RT: 11.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 218250

Ion	Ratio	Lower	Upper
266	100		
268	64.5	48.8	73.2
264	62.8	48.8	73.2

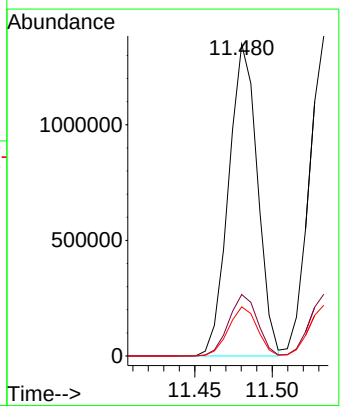


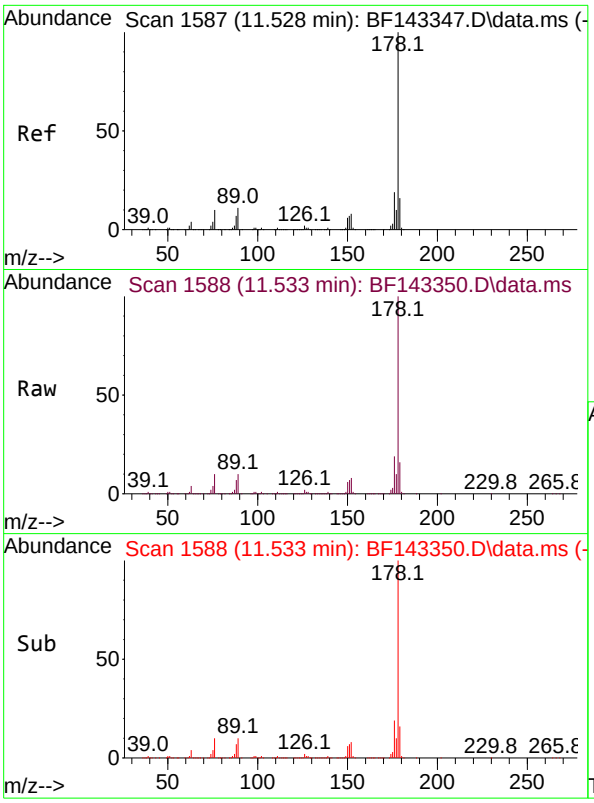


#71
Phenanthrene
Concen: 71.351 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:178 Resp: 1745493

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.5	18.7



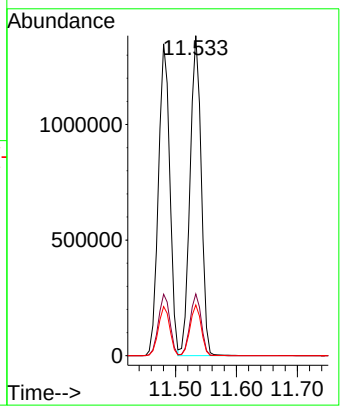


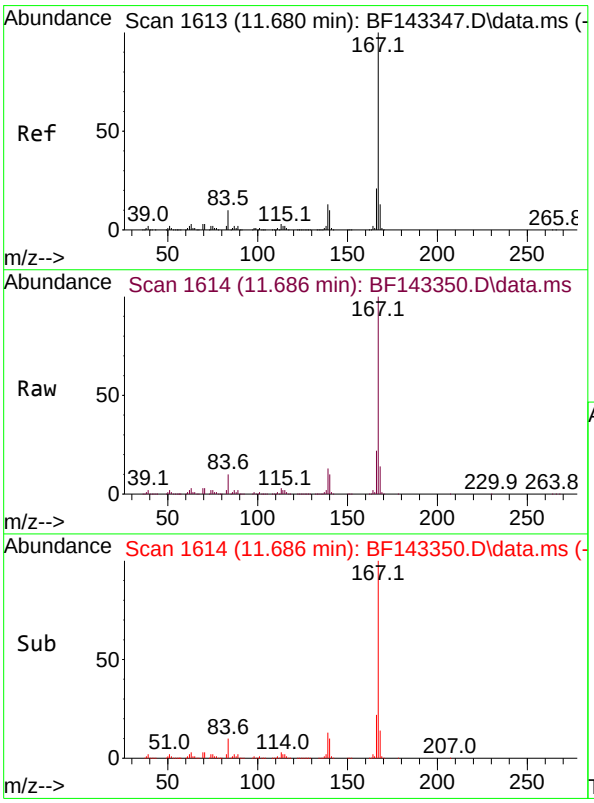
#72
Anthracene
Concen: 70.871 ng
RT: 11.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1758274

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.9	12.7	19.1

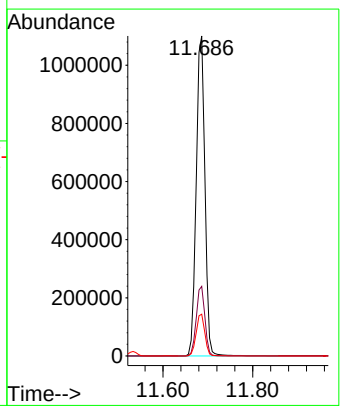


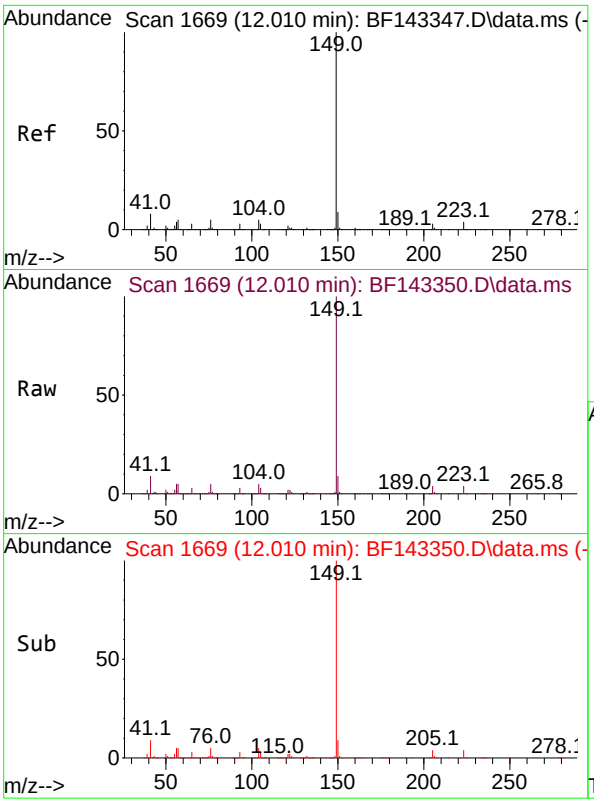


#73
Carbazole
Concen: 70.029 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:167 Resp: 1479652

Ion	Ratio	Lower	Upper
167	100		
166	21.7	16.8	25.2
139	13.1	10.2	15.2



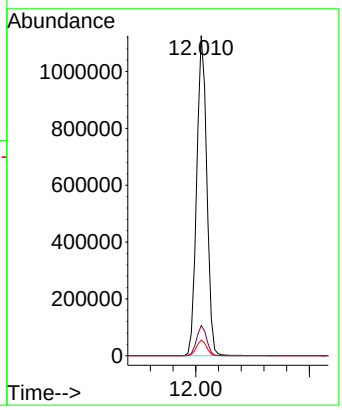


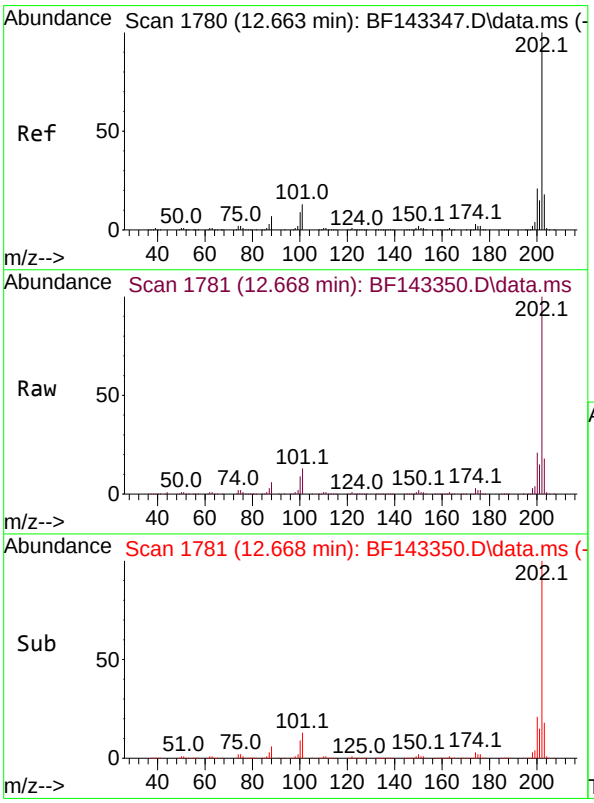
#74
Di-n-butylphthalate
Concen: 78.244 ng
RT: 12.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1398975

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.9	3.8	5.8

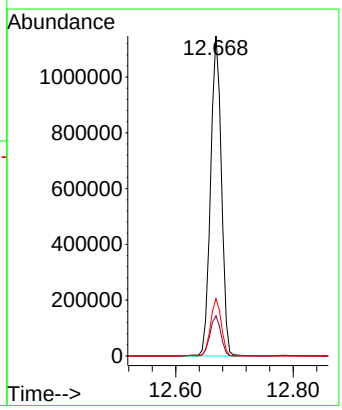


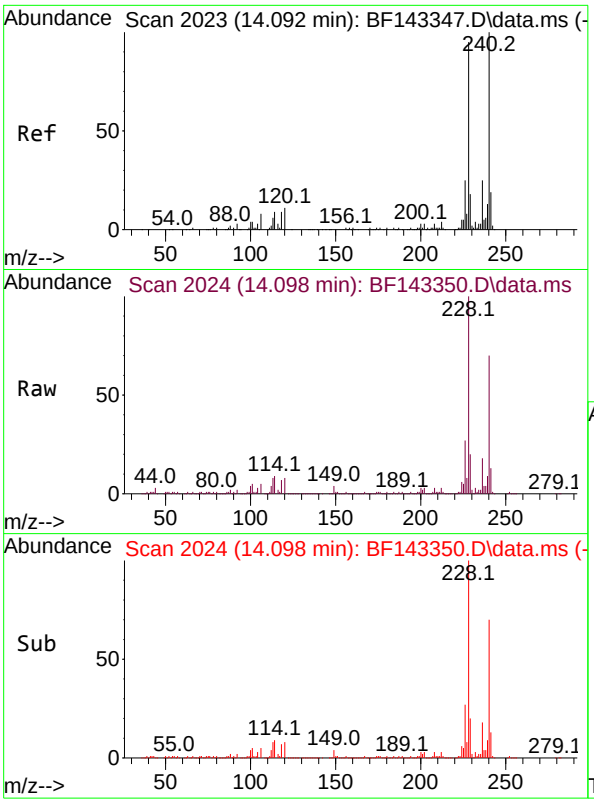


#75
Fluoranthene
Concen: 68.634 ng
RT: 12.668 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:202 Resp: 1470742

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.9	0.0	37.6



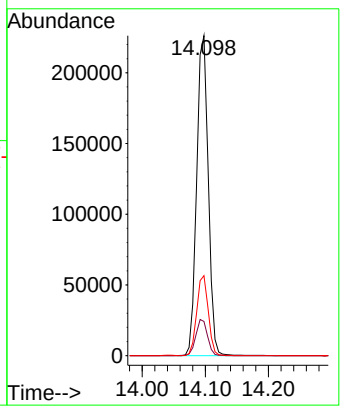


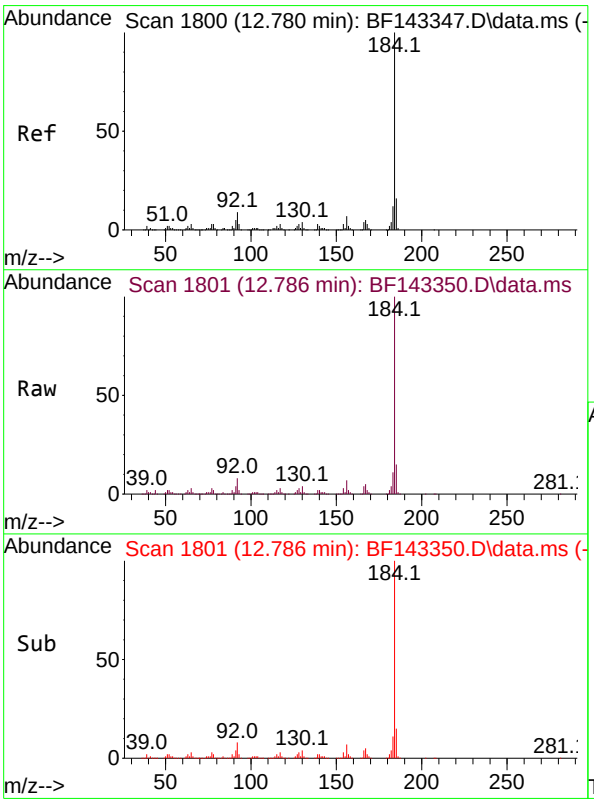
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 287871

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	25.0	19.9	29.9

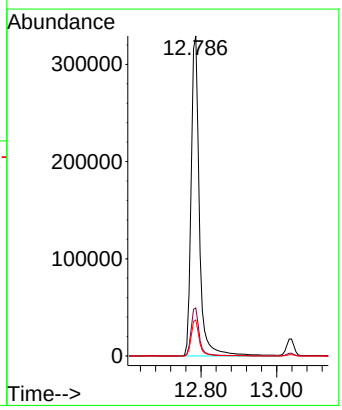


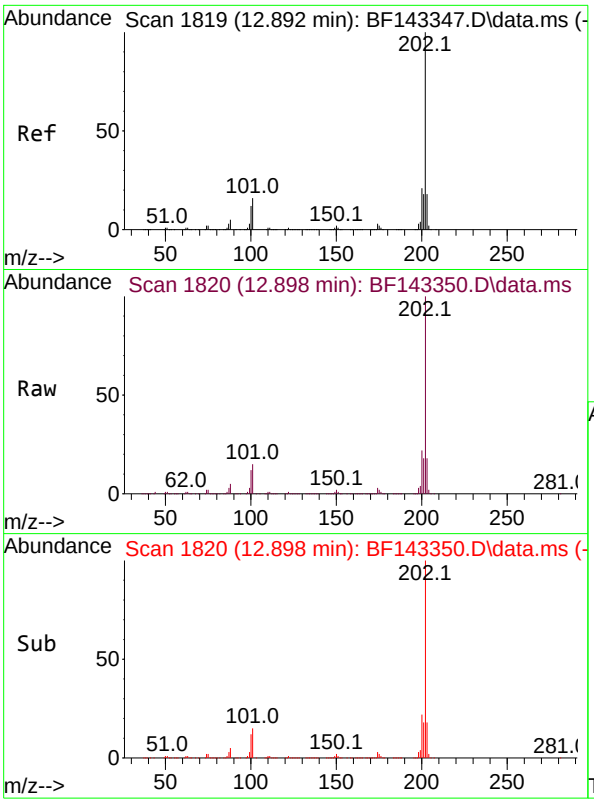


#77
Benzidine
Concen: 63.571 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:184 Resp: 500314

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.8	19.2
183	11.2	9.3	13.9



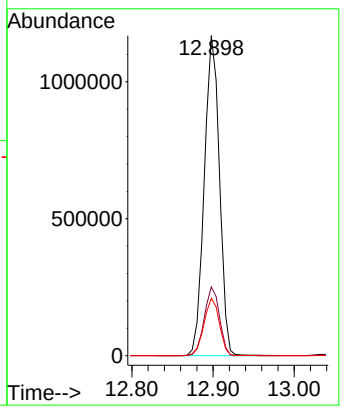


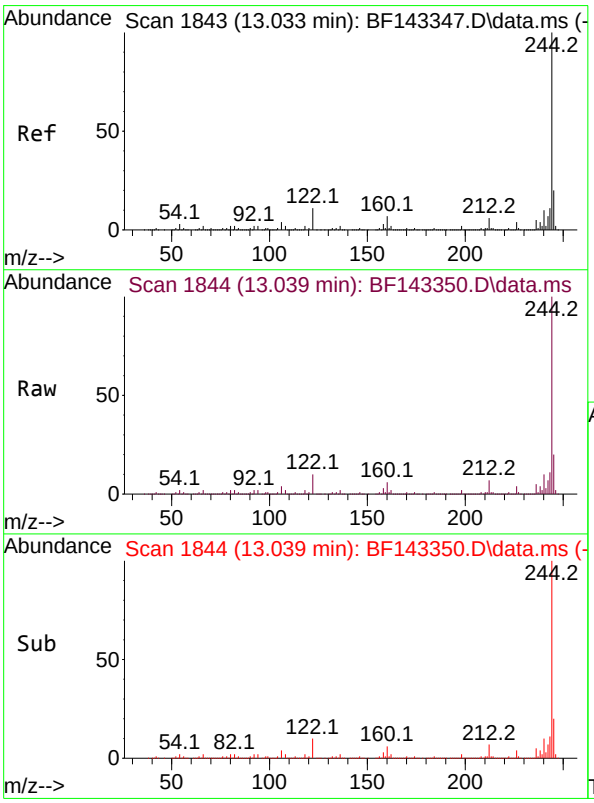
#78
Pyrene
Concen: 62.684 ng
RT: 12.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1513789

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.0	14.2	21.4

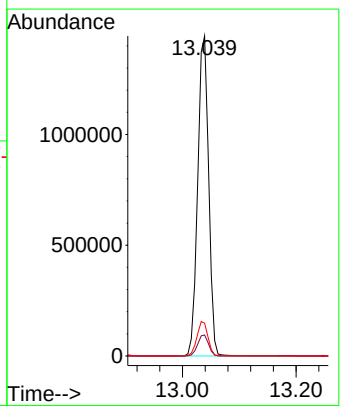


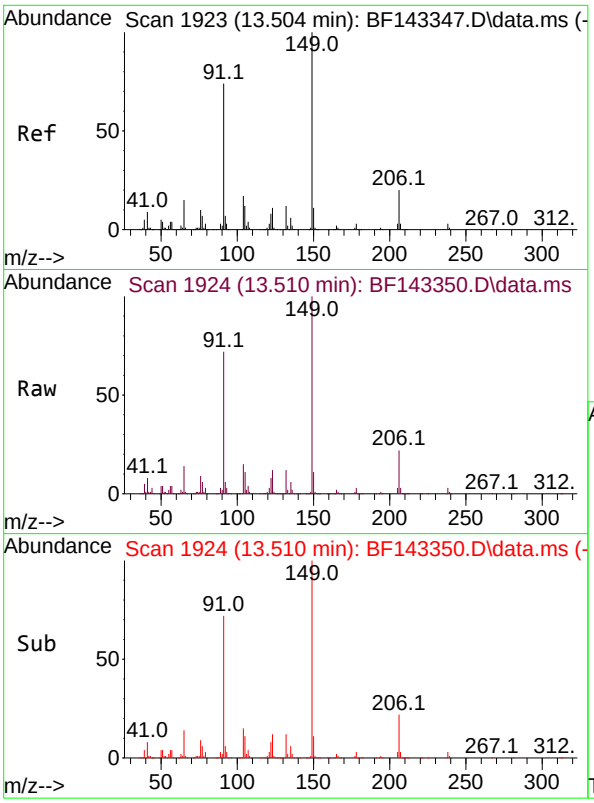


#79
Terphenyl-d14
Concen: 120.053 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:244 Resp: 1935761

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.1	7.7
122	10.2	8.9	13.3



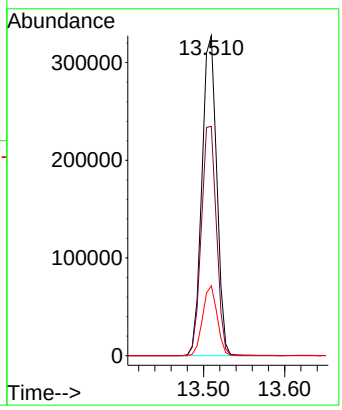


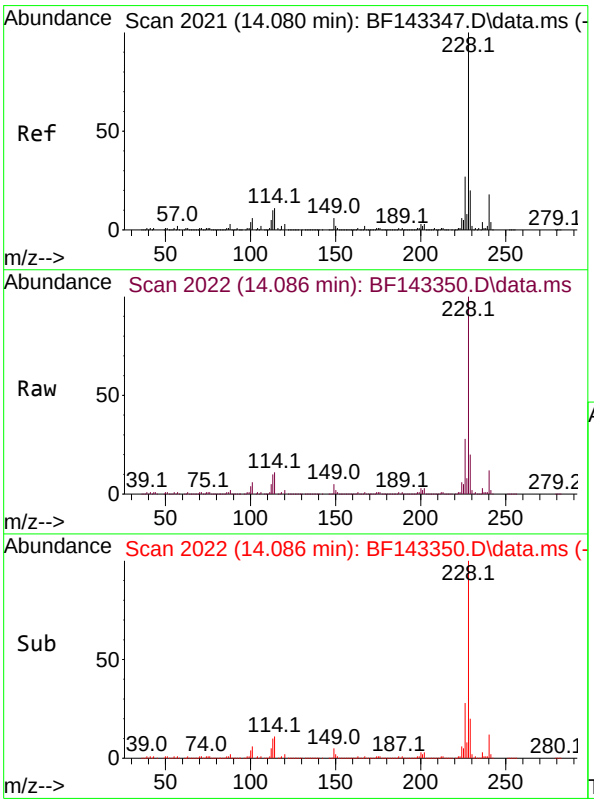
#80
Butylbenzylphthalate
Concen: 84.007 ng
RT: 13.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 413801

Ion	Ratio	Lower	Upper
149	100		
91	71.6	58.8	88.2
206	21.9	16.4	24.6

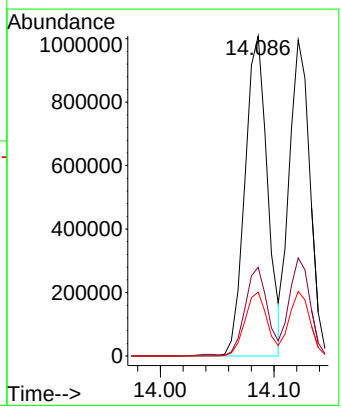


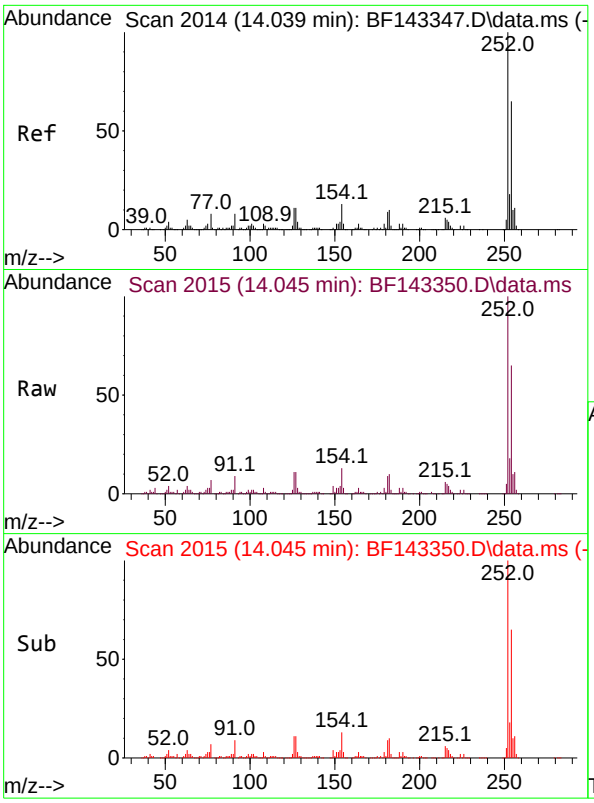


#81
Benzo(a)anthracene
Concen: 75.847 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:228 Resp: 1387766

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.9	15.8	23.8



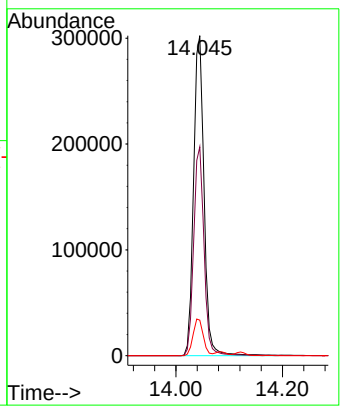


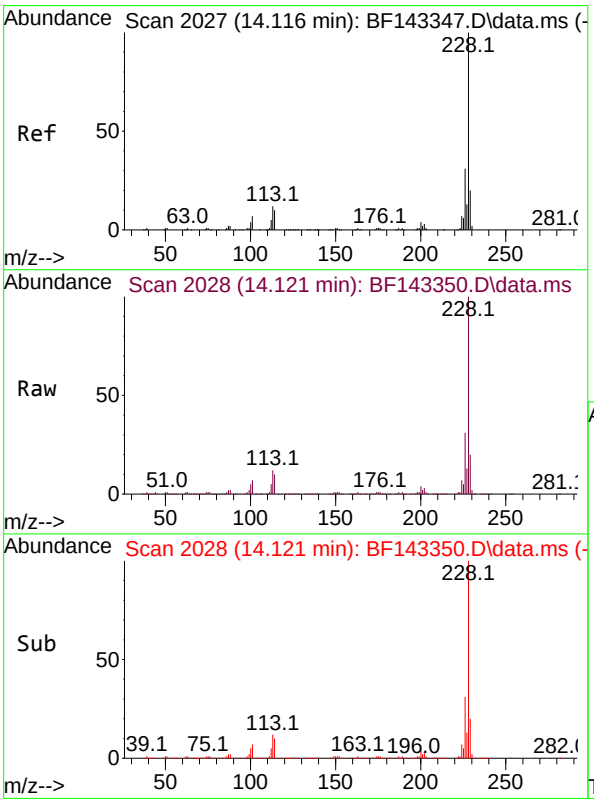
#82
3,3'-Dichlorobenzidine
Concen: 83.540 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 412736

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	11.1	9.2	13.8

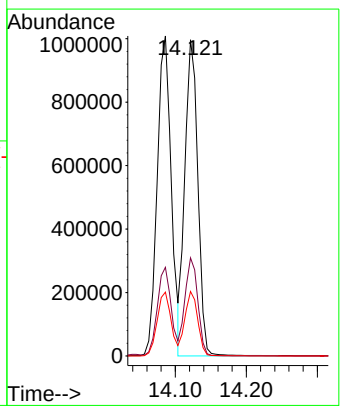


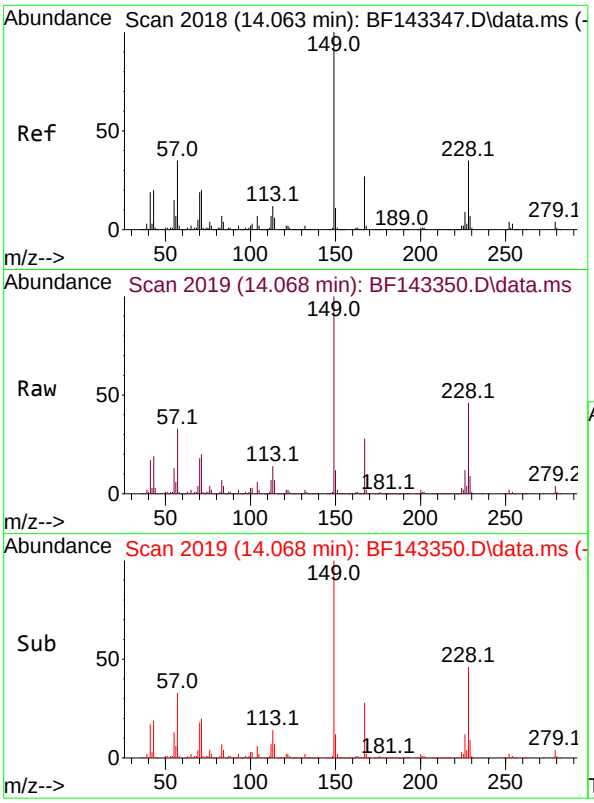


#83
Chrysene
Concen: 74.077 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:228 Resp: 1263816

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	20.4	15.8	23.6



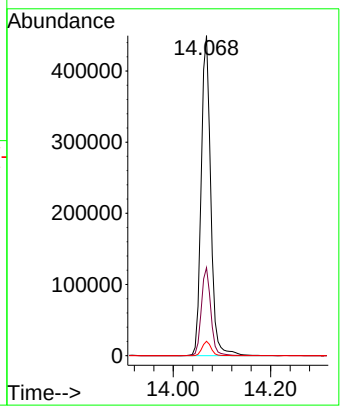


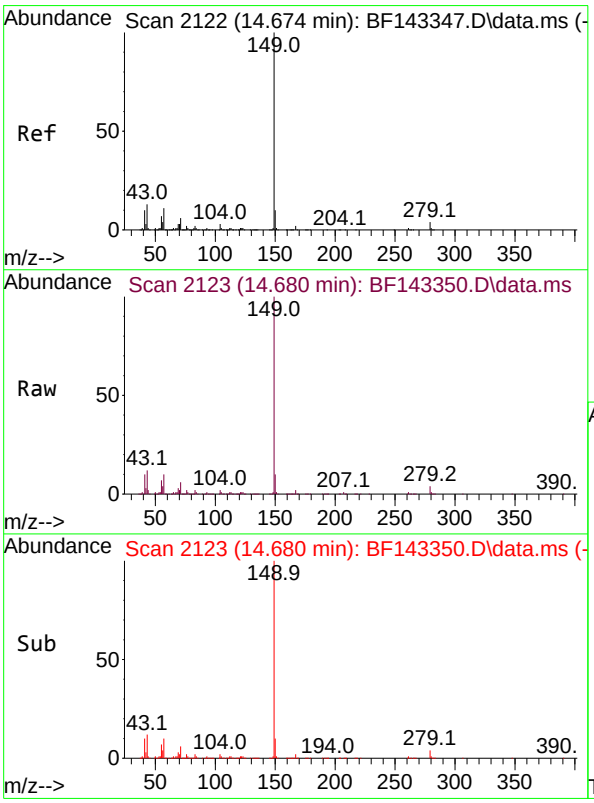
#84
Bis(2-ethylhexyl)phthalate
Concen: 83.803 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 611031

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	4.5	3.2	4.8

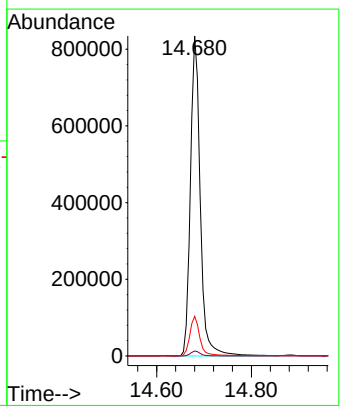


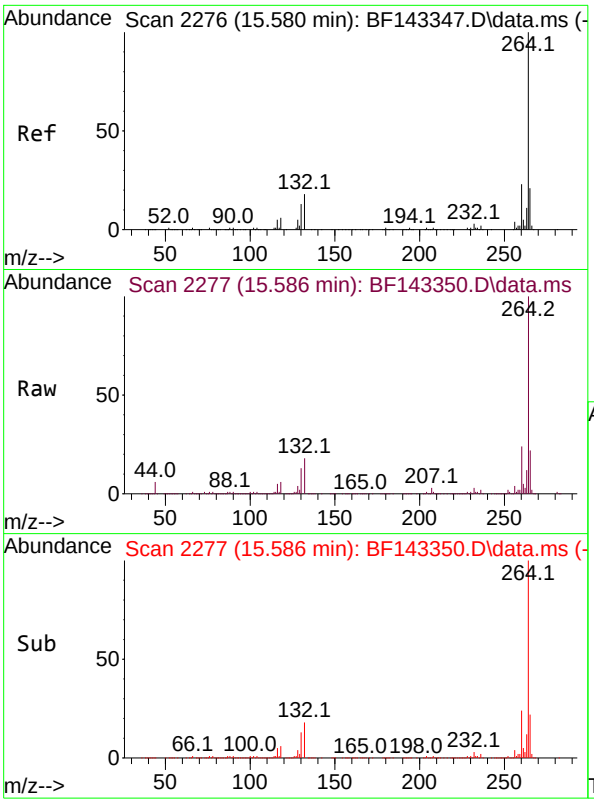


#85
Di-n-octyl phthalate
Concen: 81.478 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:149 Resp: 1205873

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.6	10.8	16.2



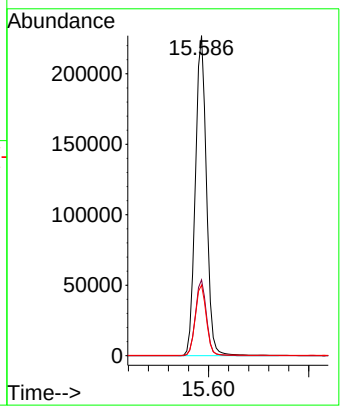


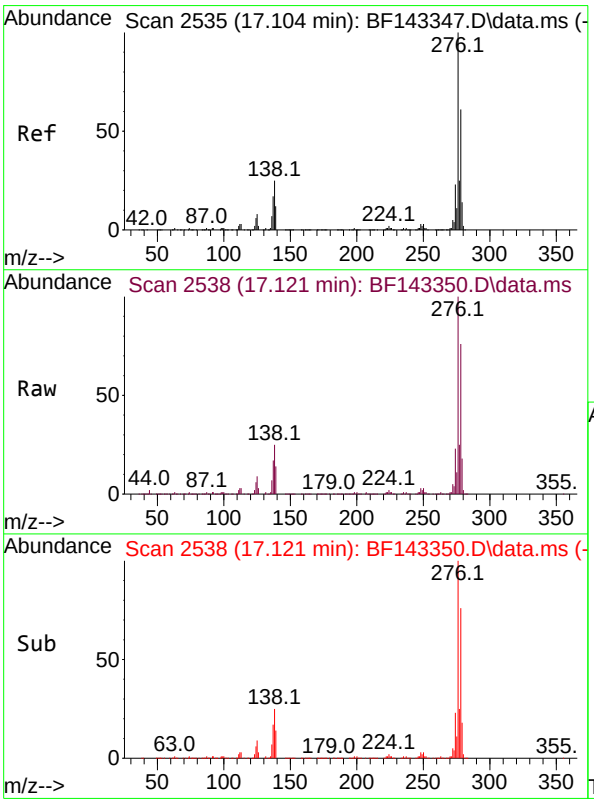
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 348017

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.0	17.2	25.8

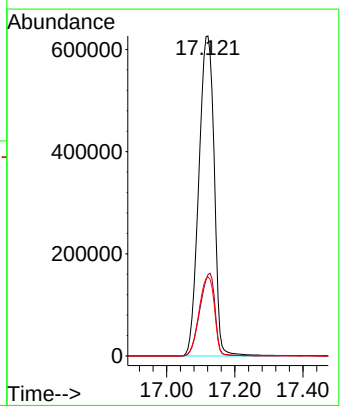


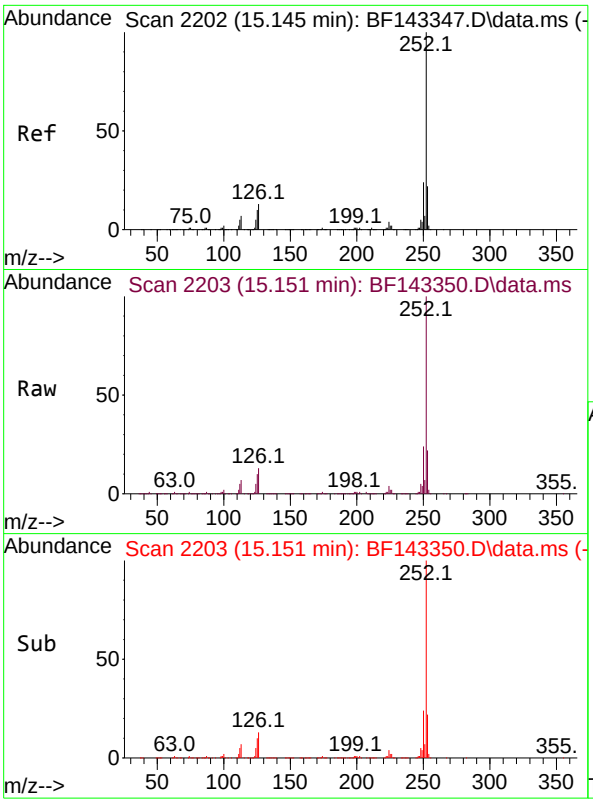


#87
Indeno(1,2,3-cd)pyrene
Concen: 78.760 ng
RT: 17.121 min Scan# 2538
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:276 Resp: 1963736

Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.1	31.7
277	24.9	20.2	30.2



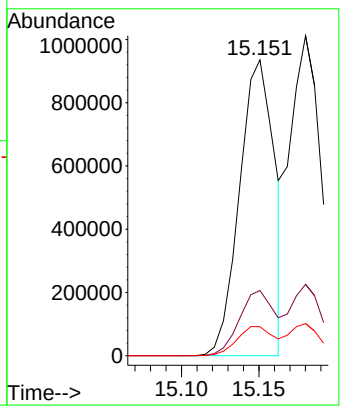


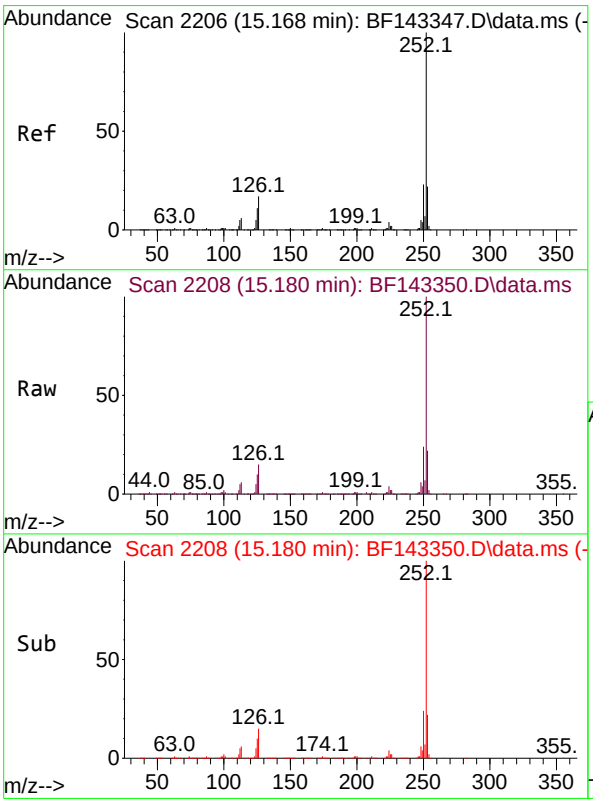
#88
Benzo(b)fluoranthene
Concen: 77.108 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1467752

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.8	7.8	11.6

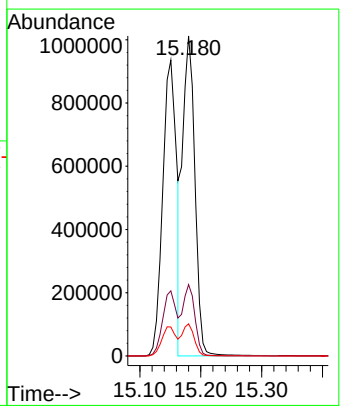


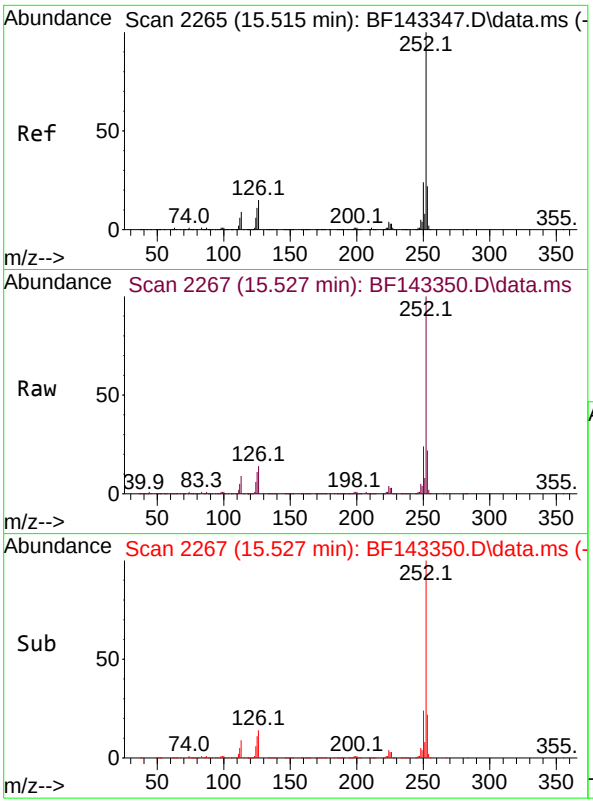


#89
Benzo(k)fluoranthene
Concen: 77.299 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:252 Resp: 1429731

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.0	8.4	12.6



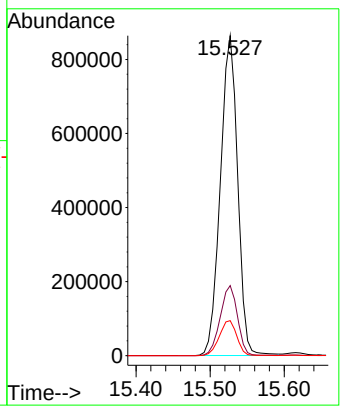


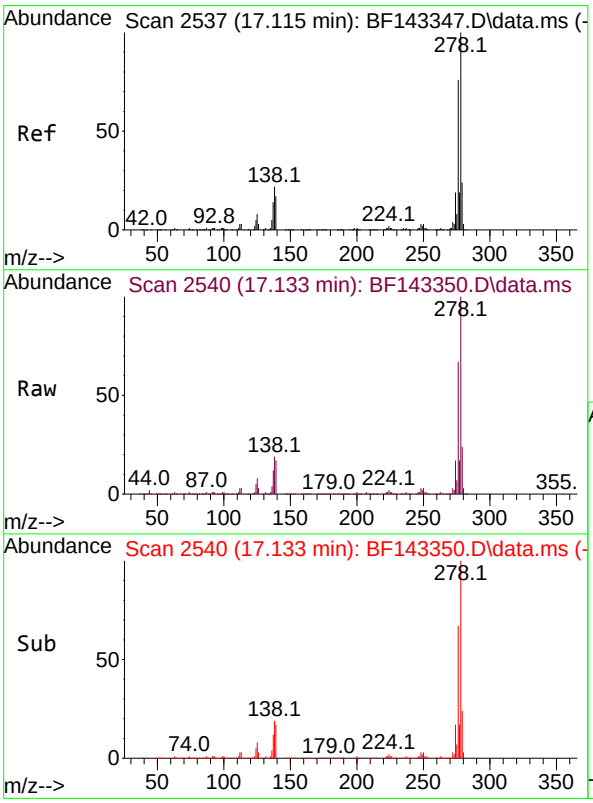
#90
Benzo(a)pyrene
Concen: 78.270 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1403212

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.0	9.1	13.7

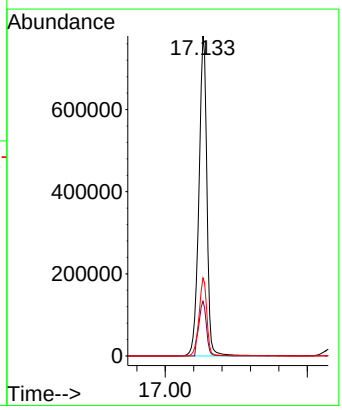


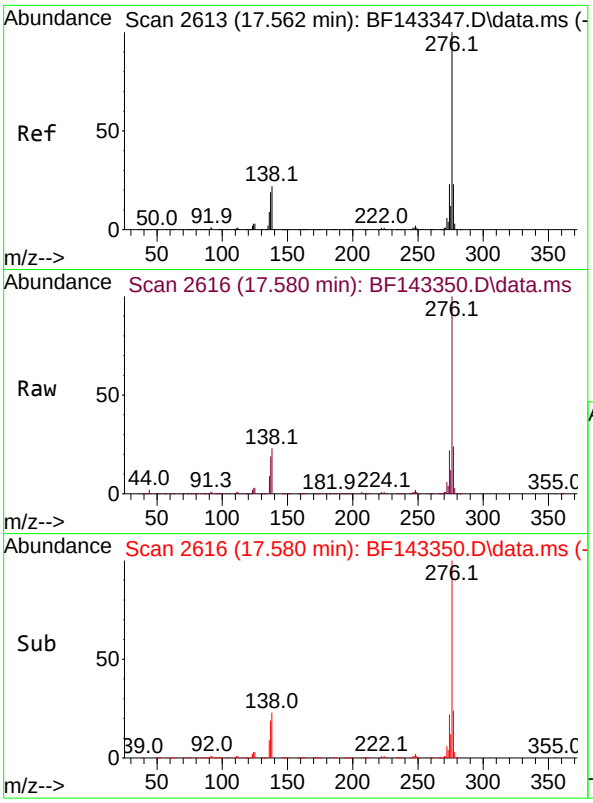


#91
Dibenzo(a,h)anthracene
Concen: 76.479 ng
RT: 17.133 min Scan# 2540
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:278 Resp: 1523387

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.0	21.0
279	24.3	19.4	29.0



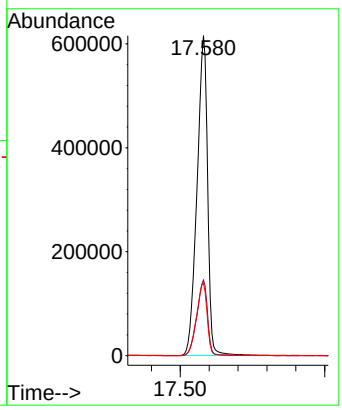


#92
Benzo(g,h,i)perylene
Concen: 77.932 ng
RT: 17.580 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1563773

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	22.6	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162839	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	633786	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	340813	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	507289	20.000	ng	0.00
76) Chrysene-d12	14.092	240	280276	20.000	ng	0.00
86) Perylene-d12	15.580	264	324835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	726544	77.155	ng	0.00
7) Phenol-d6	6.557	99	917587	75.986	ng	0.00
23) Nitrobenzene-d5	7.487	82	846400	83.164	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	211383	84.868	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1489585	74.116	ng	0.00
79) Terphenyl-d14	13.033	244	1227991	78.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.758	88	181552	37.259	ng	100
3) Pyridine	3.534	79	503048	38.741	ng	98
4) n-Nitrosodimethylamine	3.469	42	250430	41.403	ng	99
6) Aniline	6.593	93	691138	40.597	ng	98
8) 2-Chlorophenol	6.716	128	412875	41.033	ng	99
9) Benzaldehyde	6.481	77	322014	40.346	ng	99
10) Phenol	6.575	94	575912	40.258	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	411435	39.024	ng	99
12) 1,3-Dichlorobenzene	6.875	146	462064	39.813	ng	99
13) 1,4-Dichlorobenzene	6.946	146	467795	40.160	ng	99
14) 1,2-Dichlorobenzene	7.098	146	446591	40.389	ng	99
15) Benzyl Alcohol	7.069	79	366386	42.327	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	748899	39.787	ng	96
17) 2-Methylphenol	7.181	107	347573	40.922	ng	99
18) Hexachloroethane	7.445	117	154629	42.342	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	298013	39.940	ng	99
20) 3+4-Methylphenols	7.334	107	422225	41.105	ng	97
22) Acetophenone	7.334	105	558359	39.985	ng	98
24) Nitrobenzene	7.510	77	452284	40.919	ng	99
25) Isophorone	7.745	82	825406	39.728	ng	98
26) 2-Nitrophenol	7.828	139	190171	43.318	ng	99
27) 2,4-Dimethylphenol	7.863	122	384805	44.394	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	503776	39.714	ng	100
29) 2,4-Dichlorophenol	8.069	162	349559	41.289	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	366302	41.017	ng	100
31) Naphthalene	8.234	128	1170219	38.372	ng	100
32) Benzoic acid	7.969	122	157226	43.285	ng	99
33) 4-Chloroaniline	8.275	127	490782	44.618	ng	98
34) Hexachlorobutadiene	8.351	225	218687	39.366	ng	99
35) Caprolactam	8.640	113	99702	41.892	ng	95
36) 4-Chloro-3-methylphenol	8.757	107	361383	40.717	ng	99
37) 2-Methylnaphthalene	8.922	142	707136	35.270	ng	100
38) 1-Methylnaphthalene	9.022	142	733181	37.970	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	365752	39.218	ng	100
41) Hexachlorocyclopentadiene	9.081	237	161472	51.644	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	226704	42.843	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

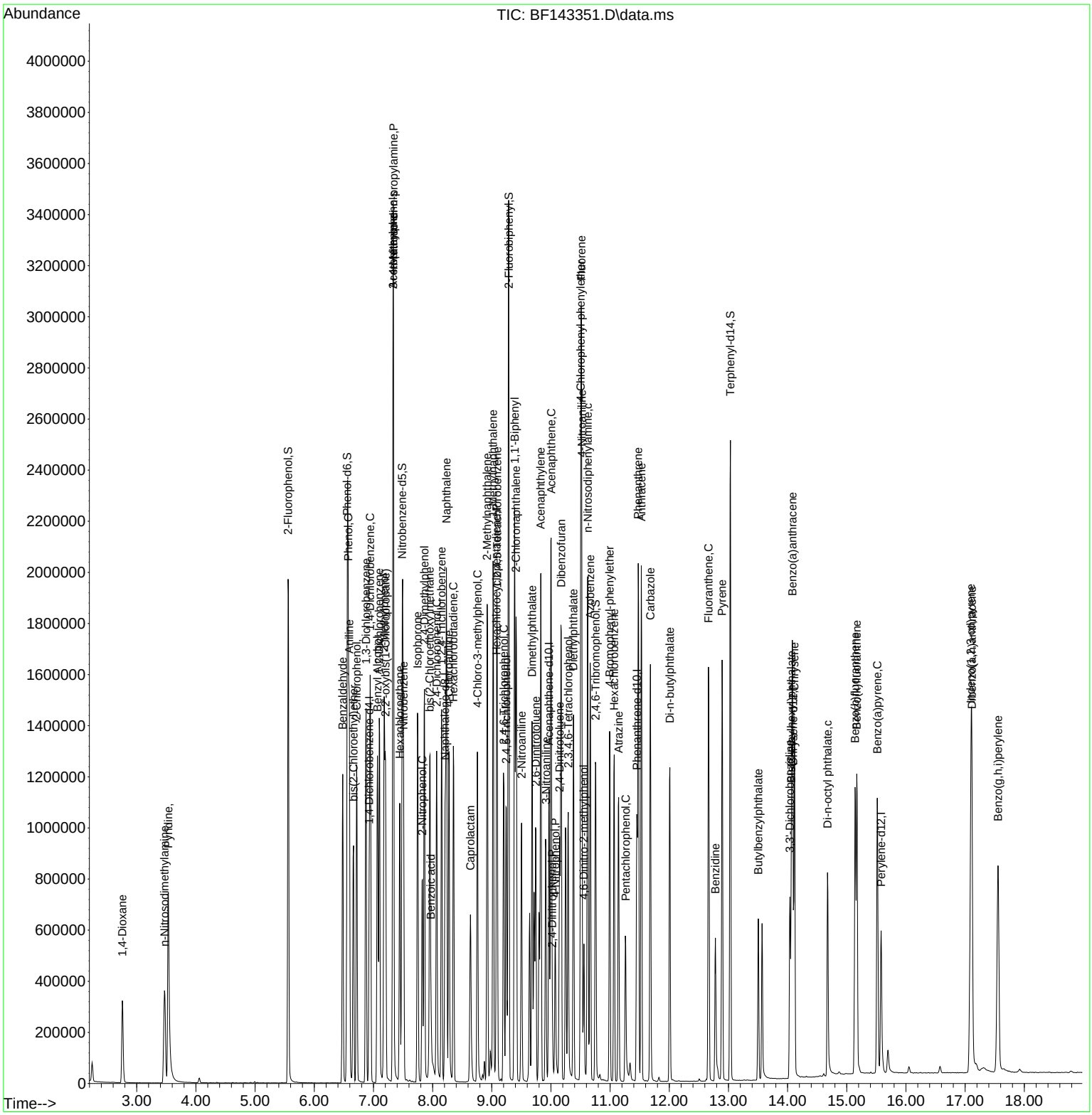
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	246815	41.305	ng	99
46) 1,1'-Biphenyl	9.387	154	935277	38.812	ng	100
47) 2-Chloronaphthalene	9.410	162	722952	38.093	ng	99
48) 2-Nitroaniline	9.504	65	228854	42.167	ng	100
49) Acenaphthylene	9.828	152	1164992	42.507	ng	100
50) Dimethylphthalate	9.681	163	799080	40.126	ng	99
51) 2,6-Dinitrotoluene	9.745	165	168880	45.012	ng	94
52) Acenaphthene	10.004	154	690443	37.893	ng	99
53) 3-Nitroaniline	9.916	138	194097	47.593	ng	97
54) 2,4-Dinitrophenol	10.022	184	56042	45.910	ng	98
55) Dibenzofuran	10.175	168	1013581	38.652	ng	99
56) 4-Nitrophenol	10.075	139	124501	41.060	ng	97
57) 2,4-Dinitrotoluene	10.145	165	215795	43.458	ng	98
58) Fluorene	10.516	166	761581	38.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	201768	50.091	ng	98
60) Diethylphthalate	10.381	149	719164	40.317	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	368971	38.123	ng	99
62) 4-Nitroaniline	10.522	138	174863	44.317	ng	99
63) Azobenzene	10.663	77	809295	39.721	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	87717	43.535	ng	97
66) n-Nitrosodiphenylamine	10.622	169	659263	39.468	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	228971	39.466	ng	99
68) Hexachlorobenzene	11.069	284	240521	38.460	ng	99
69) Atrazine	11.145	200	178347	40.936	ng	99
70) Pentachlorophenol	11.263	266	108593	38.771	ng	96
71) Phenanthrene	11.475	178	1060892	38.330	ng	100
72) Anthracene	11.528	178	1090047	38.834	ng	99
73) Carbazole	11.681	167	929366	38.877	ng	99
74) Di-n-butylphthalate	12.010	149	871054	43.060	ng	100
75) Fluoranthene	12.663	202	910203	37.543	ng	99
77) Benzidine	12.780	184	336170	43.872	ng	99
78) Pyrene	12.892	202	924712	39.329	ng	100
80) Butylbenzylphthalate	13.504	149	188120	41.012	ng	99
81) Benzo(a)anthracene	14.080	228	693960	38.956	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	222482	46.252	ng	99
83) Chrysene	14.116	228	639568	38.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	285665	42.315	ng	100
85) Di-n-octyl phthalate	14.674	149	563193	42.219	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	934056	40.136	ng	100
88) Benzo(b)fluoranthene	15.139	252	725882	40.856	ng	99
89) Benzo(k)fluoranthene	15.169	252	639883	37.064	ng	100
90) Benzo(a)pyrene	15.516	252	686526	41.027	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	757376	40.736	ng	99
92) Benzo(g,h,i)perylene	17.557	276	767923	41.001	ng	99

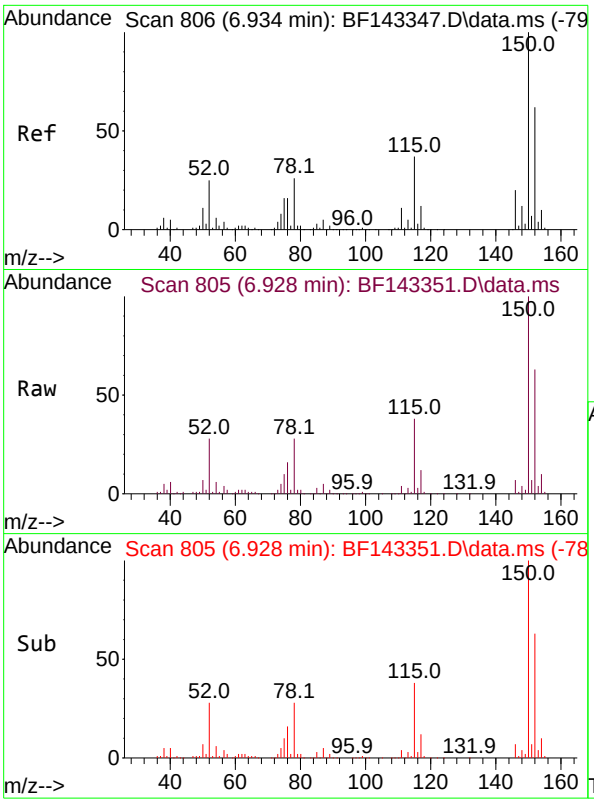
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



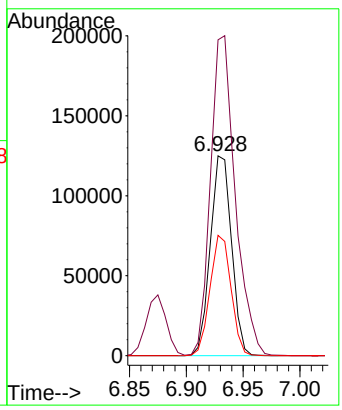


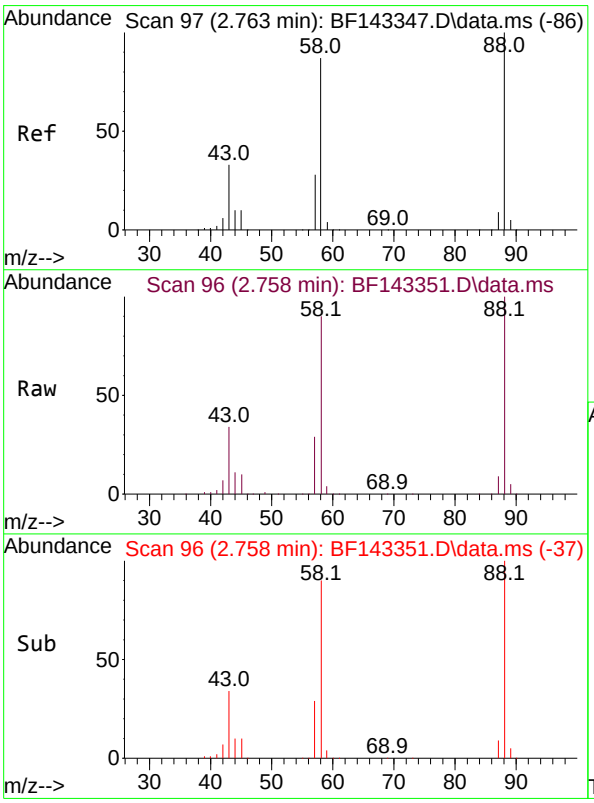
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:152 Resp: 162839

Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.8	194.8
115	60.2	47.8	71.8

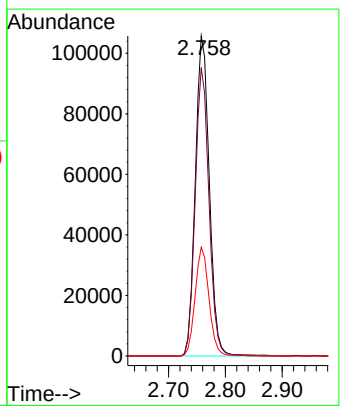


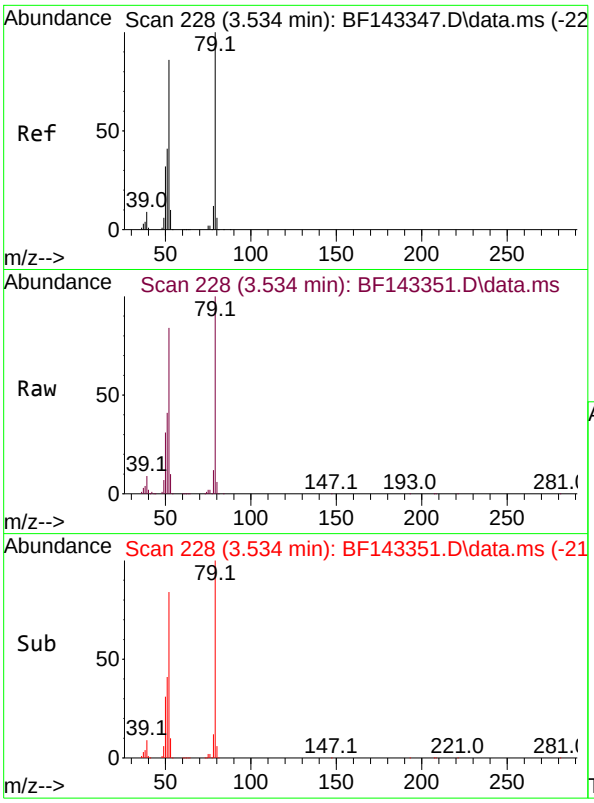


#2
1,4-Dioxane
Concen: 37.259 ng
RT: 2.758 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 88 Resp: 181552

Ion	Ratio	Lower	Upper
88	100		
58	88.6	71.0	106.6
43	33.7	27.0	40.6



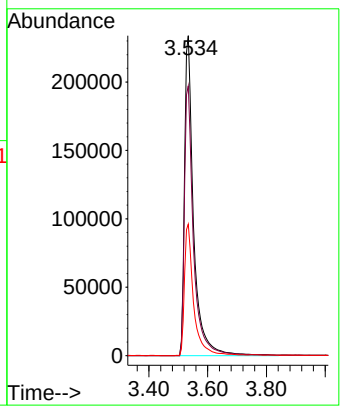


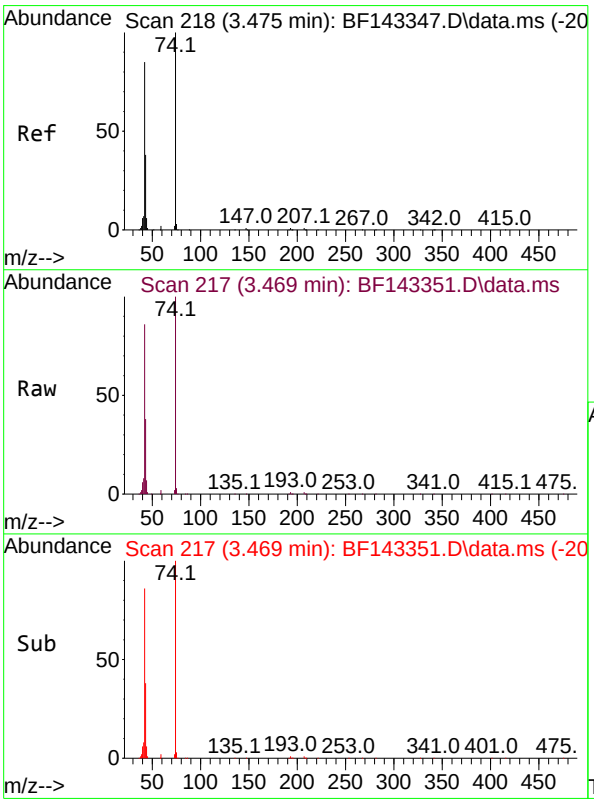
#3
Pyridine
Concen: 38.741 ng
RT: 3.534 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 79 Resp: 503048

Ion	Ratio	Lower	Upper
79	100		
52	84.3	68.7	103.1
51	41.1	33.4	50.0

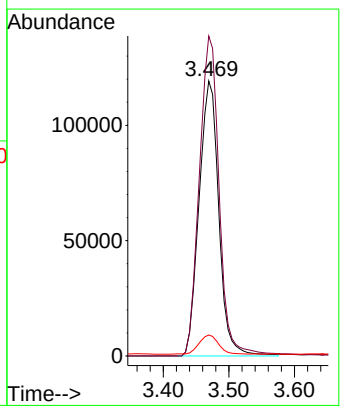


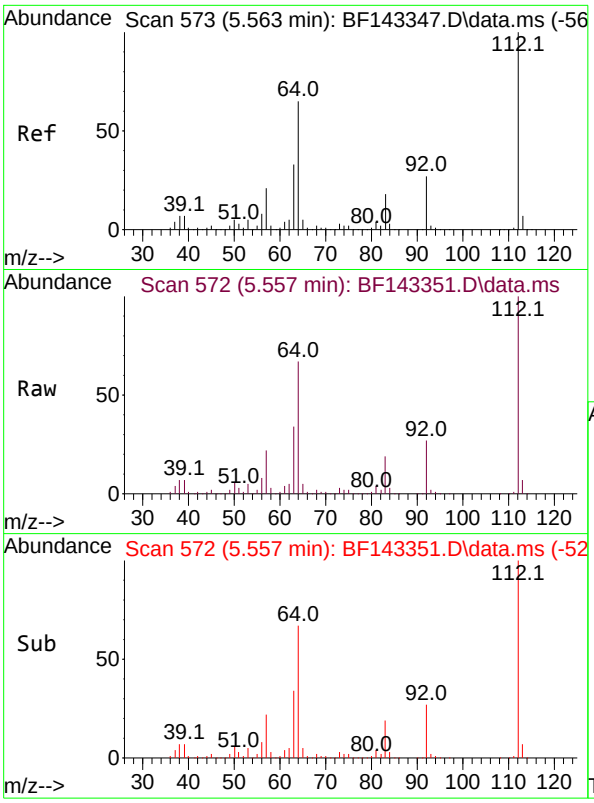


#4
n-Nitrosodimethylamine
Concen: 41.403 ng
RT: 3.469 min Scan# 217
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 42 Resp: 250430

Ion	Ratio	Lower	Upper
42	100		
74	116.3	94.1	141.1
44	7.6	6.5	9.7



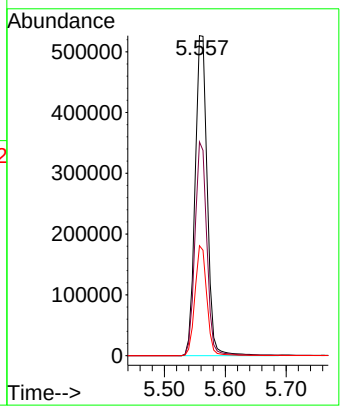


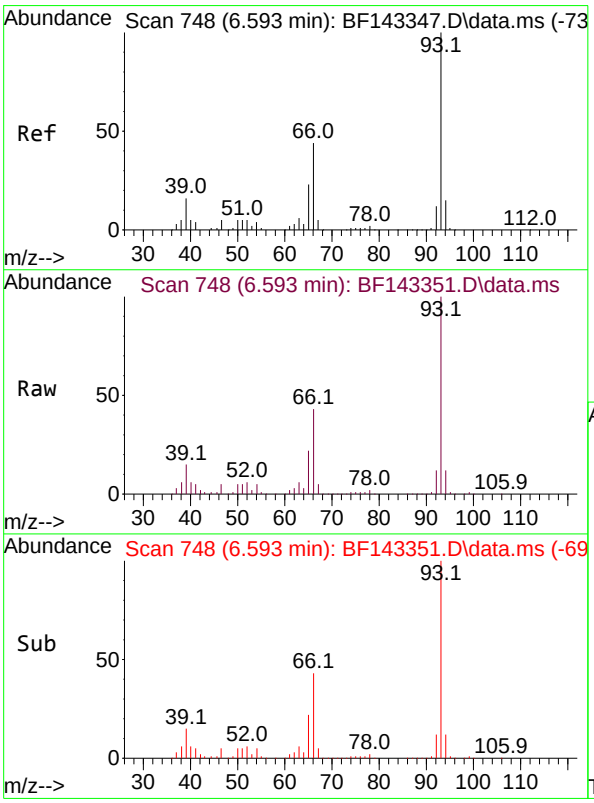
#5
2-Fluorophenol
Concen: 77.155 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:112 Resp: 726544

Ion	Ratio	Lower	Upper
112	100		
64	66.8	52.1	78.1
63	34.4	26.6	39.8

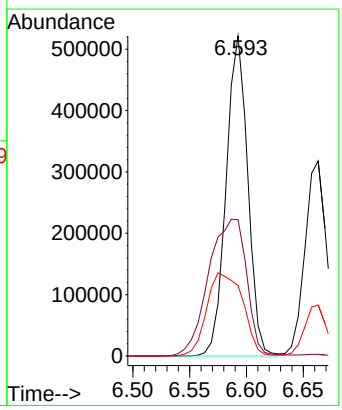


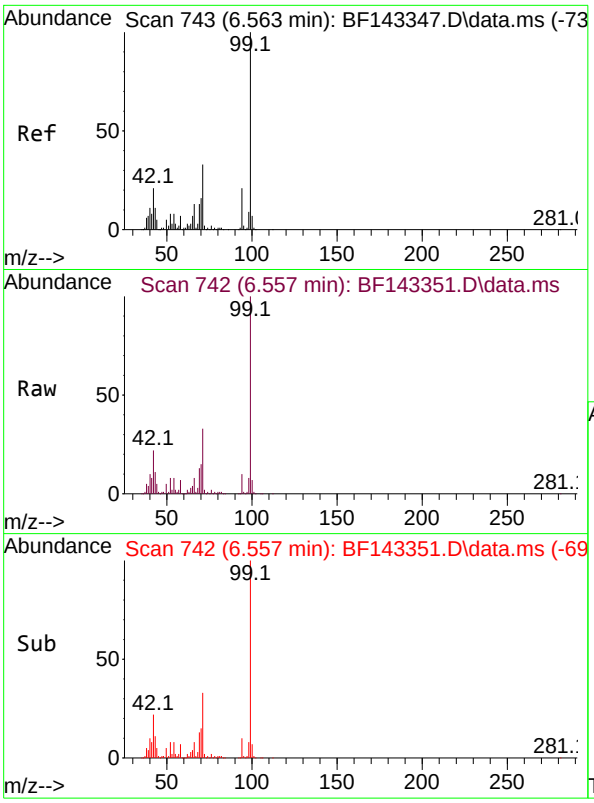


#6
Aniline
Concen: 40.597 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 691138

Ion	Ratio	Lower	Upper
93	100		
66	42.6	35.3	52.9
65	22.0	18.2	27.4



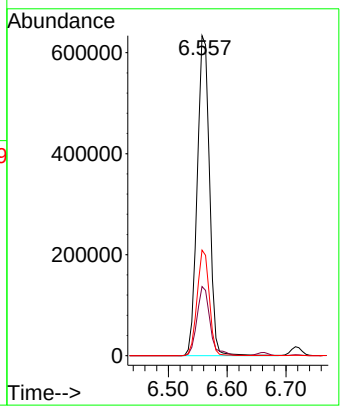


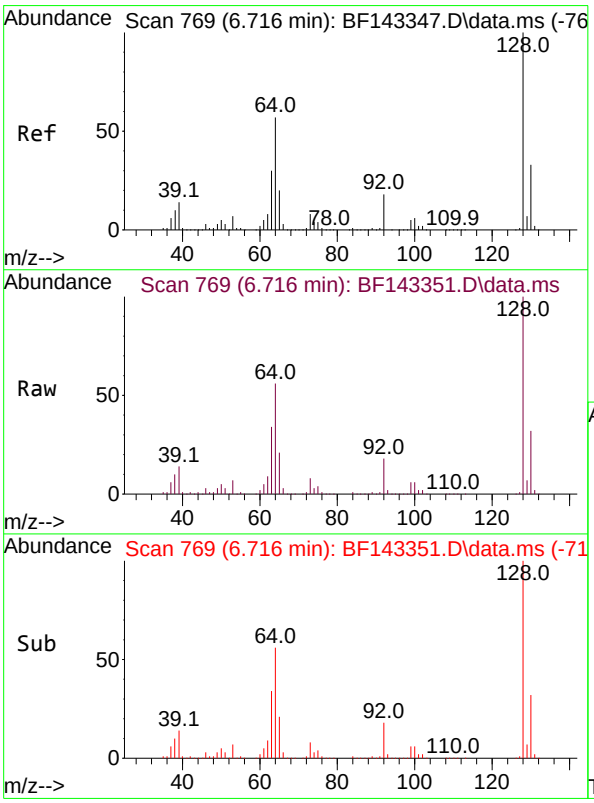
#7
Phenol-d6
Concen: 75.986 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 99 Resp: 917587

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	25.0
71	33.0	26.2	39.2

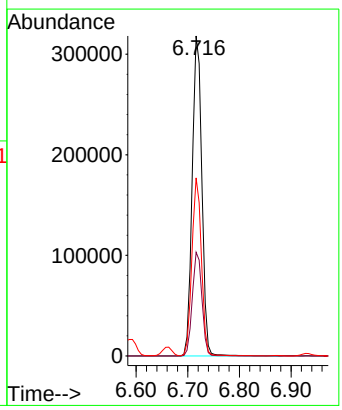


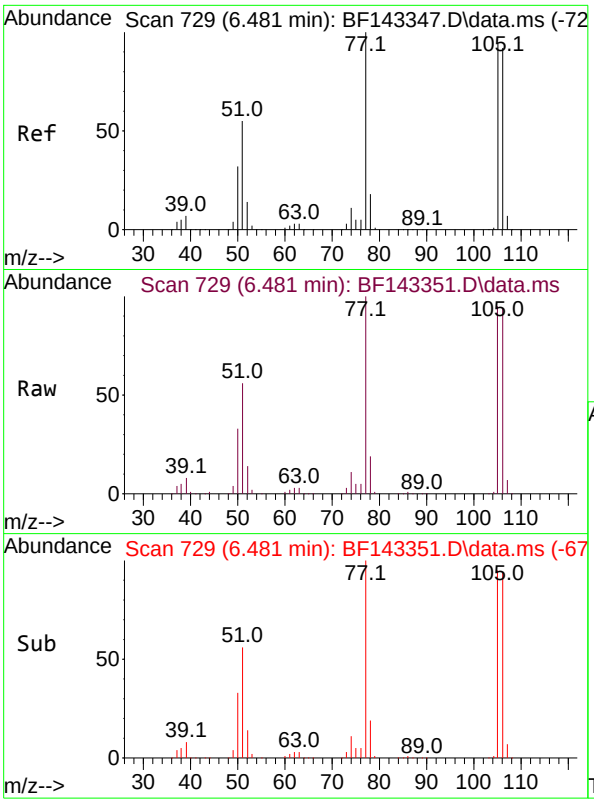


#8
2-Chlorophenol
Concen: 41.033 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:128 Resp: 412875

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	55.6	36.7	76.7



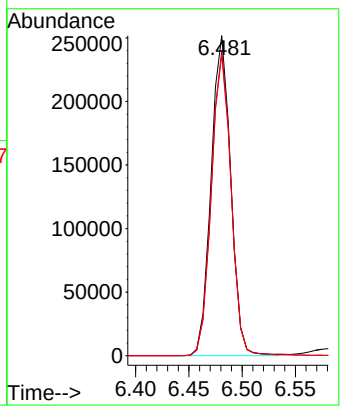


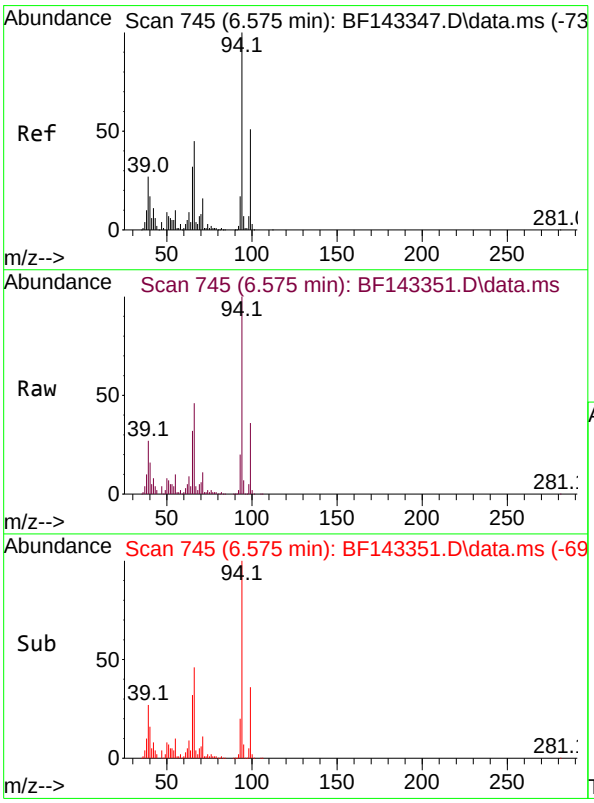
#9
Benzaldehyde
Concen: 40.346 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 77 Resp: 322014

Ion	Ratio	Lower	Upper
77	100		
105	95.2	74.2	114.2
106	94.0	72.2	112.2

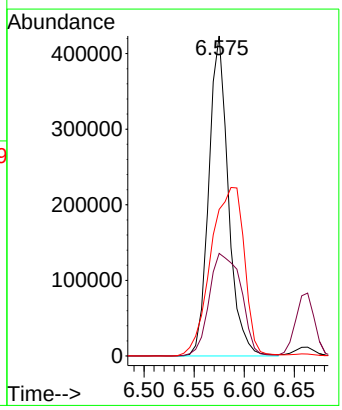


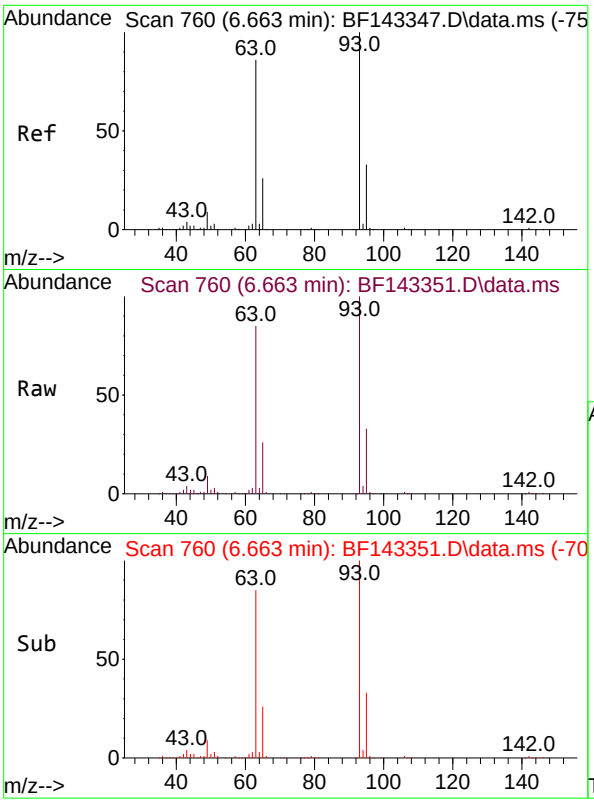


#10
Phenol
Concen: 40.258 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 94 Resp: 575912

Ion	Ratio	Lower	Upper
94	100		
65	32.1	12.0	52.0
66	45.8	25.6	65.6



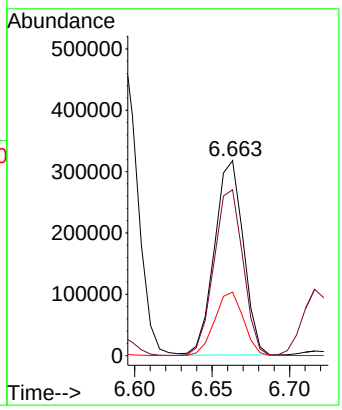


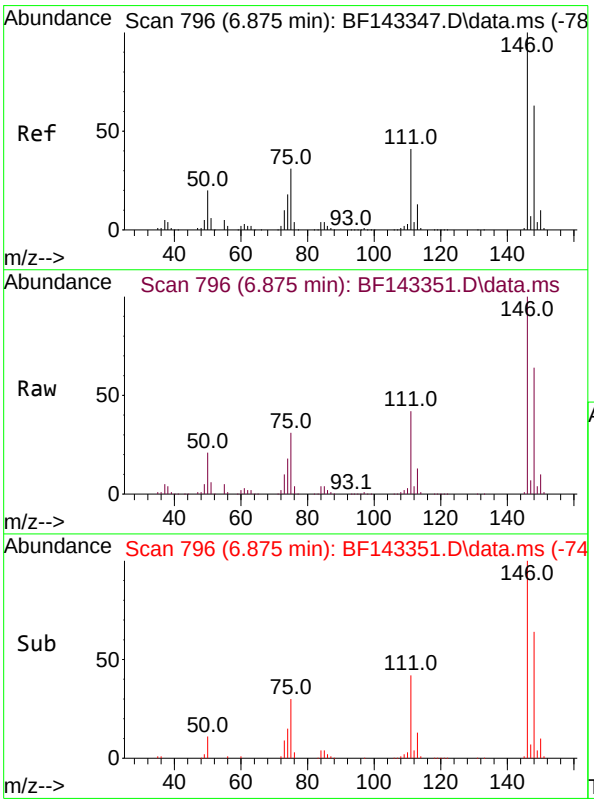
#11
bis(2-Chloroethyl)ether
Concen: 39.024 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 93 Resp: 411435

Ion	Ratio	Lower	Upper
93	100		
63	85.1	65.7	105.7
95	32.6	13.0	53.0

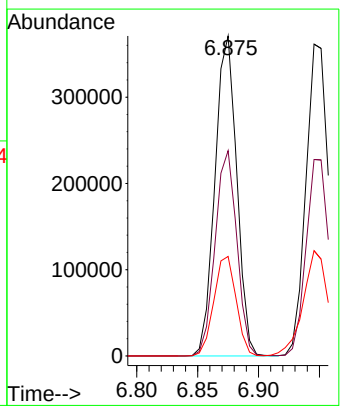


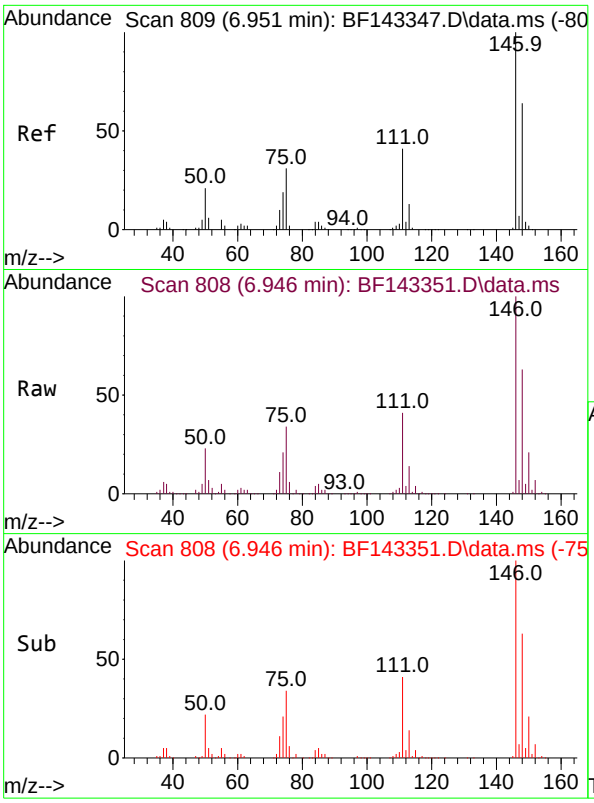


#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:146 Resp: 462064

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
75	31.1	24.9	37.3



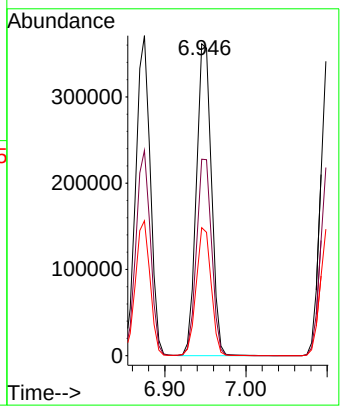


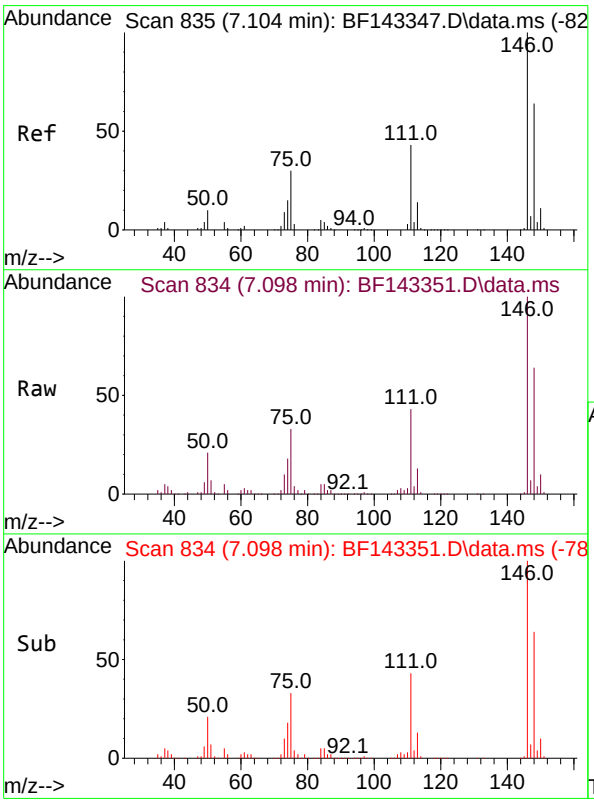
#13
1,4-Dichlorobenzene
Concen: 40.160 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:146 Resp: 467795

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	41.0	32.6	48.8

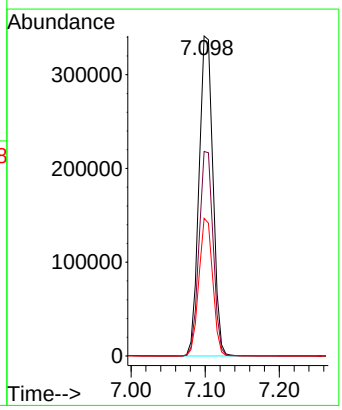


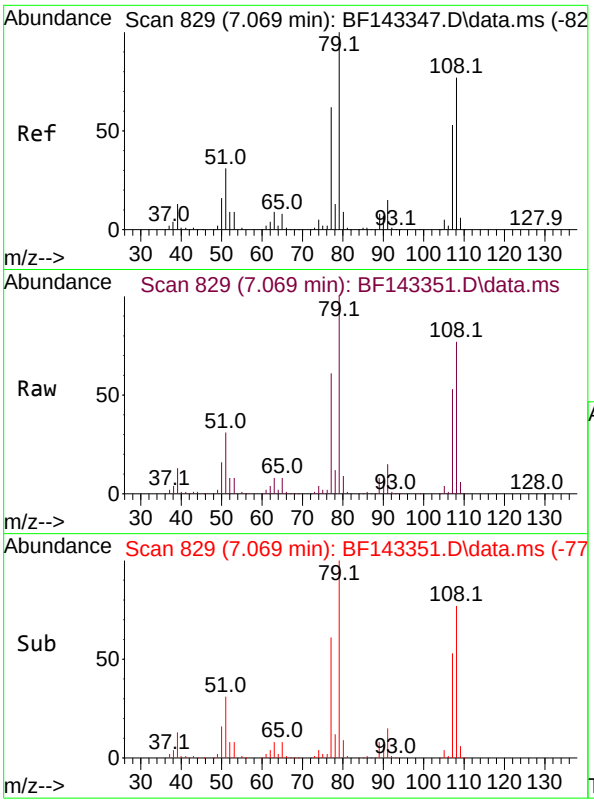


#14
1,2-Dichlorobenzene
Concen: 40.389 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:146 Resp: 446591

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	43.0	34.1	51.1



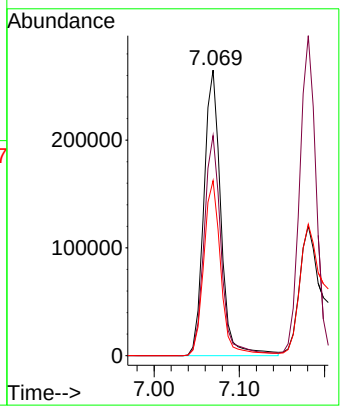


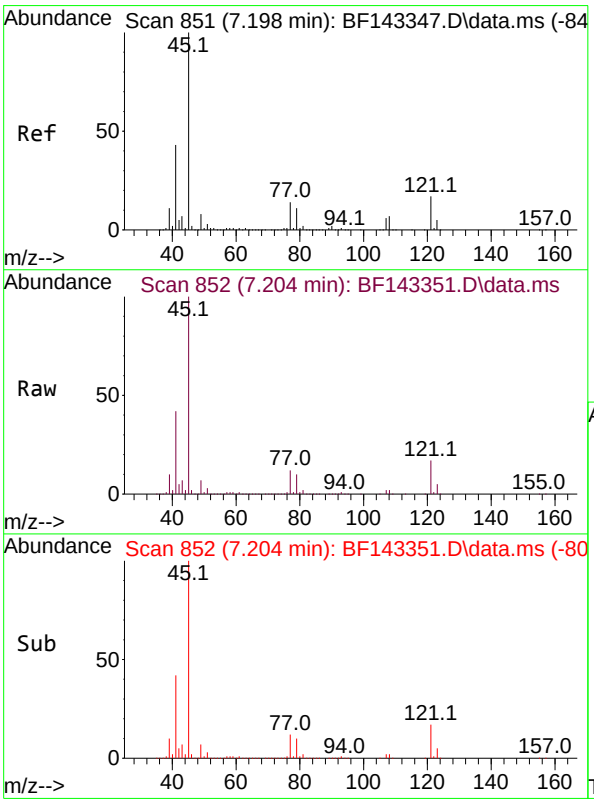
#15
Benzyl Alcohol
Concen: 42.327 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 79 Resp: 366386

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.5	92.3
77	61.3	49.8	74.8

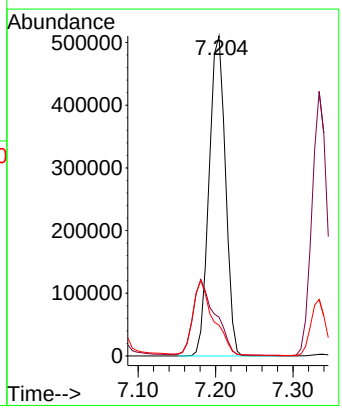


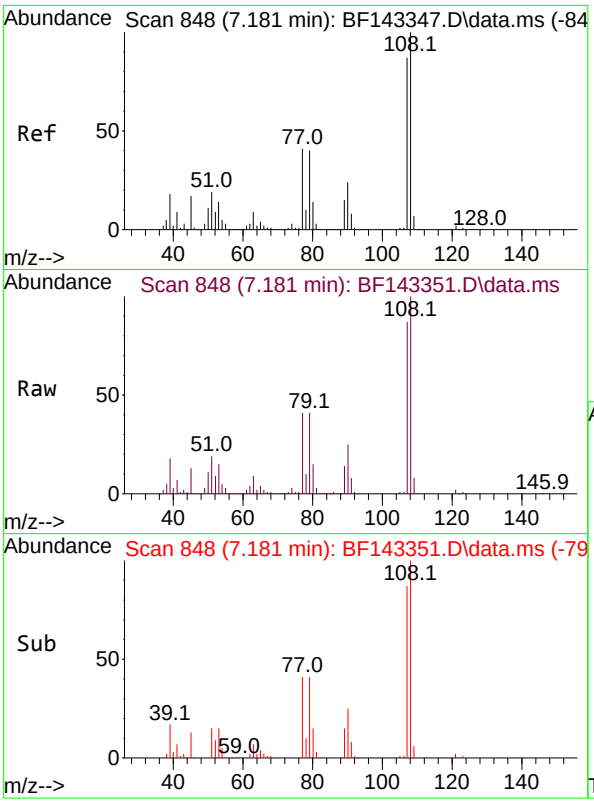


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.787 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 45 Resp: 748899

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	34.0
79	9.7	0.0	31.1



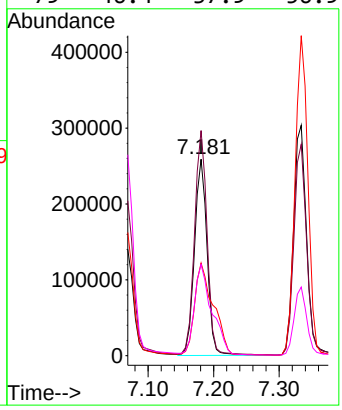


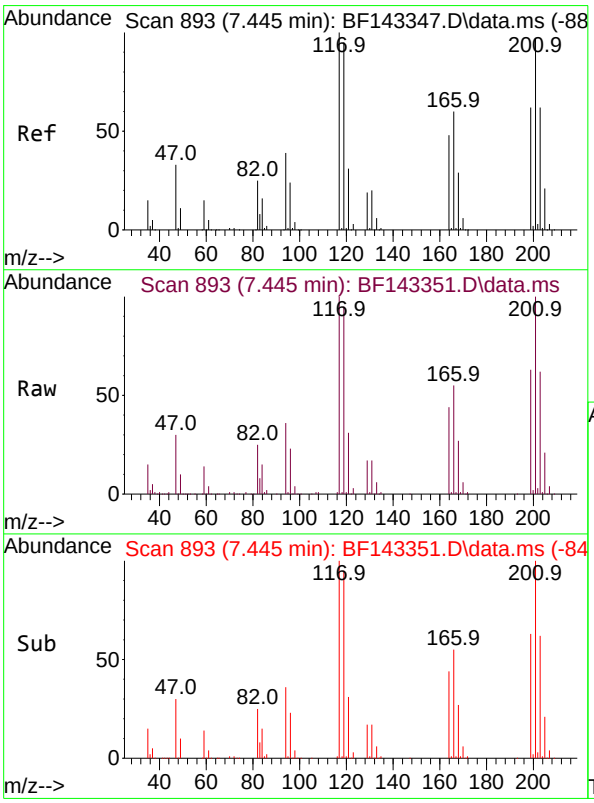
#17
2-Methylphenol
Concen: 40.922 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:107 Resp: 347573

Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.0	138.0
77	47.1	38.2	57.2
79	46.4	37.9	56.9

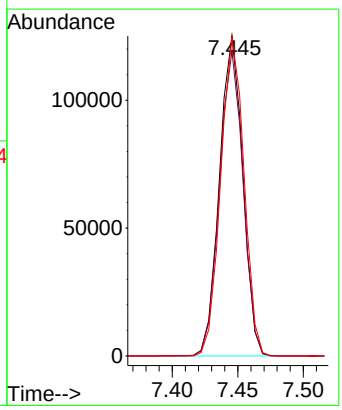


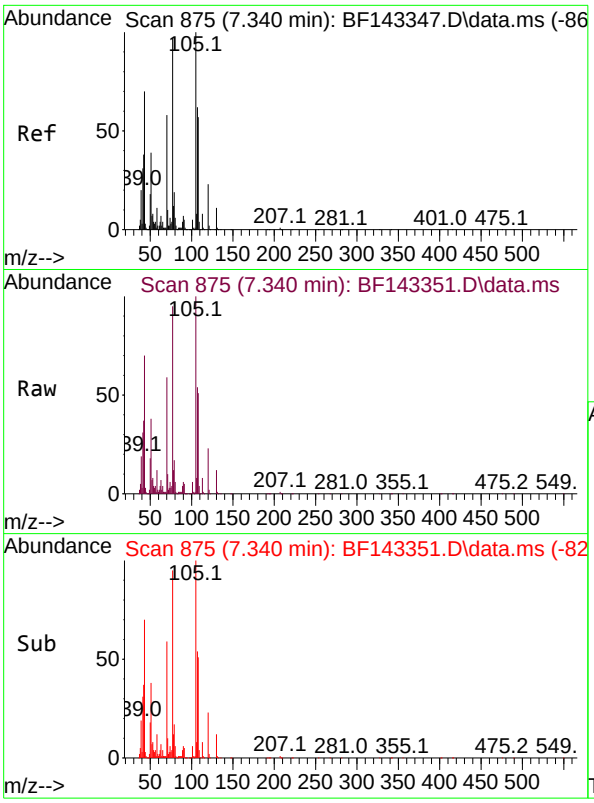


#18
Hexachloroethane
Concen: 42.342 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:117 Resp: 154629

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8
201	99.7	77.2	115.8



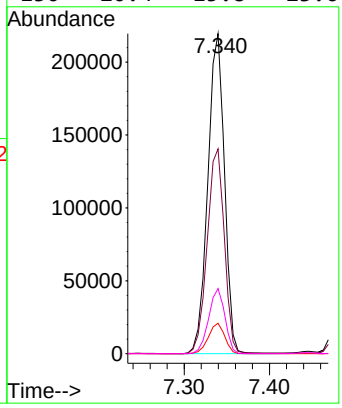


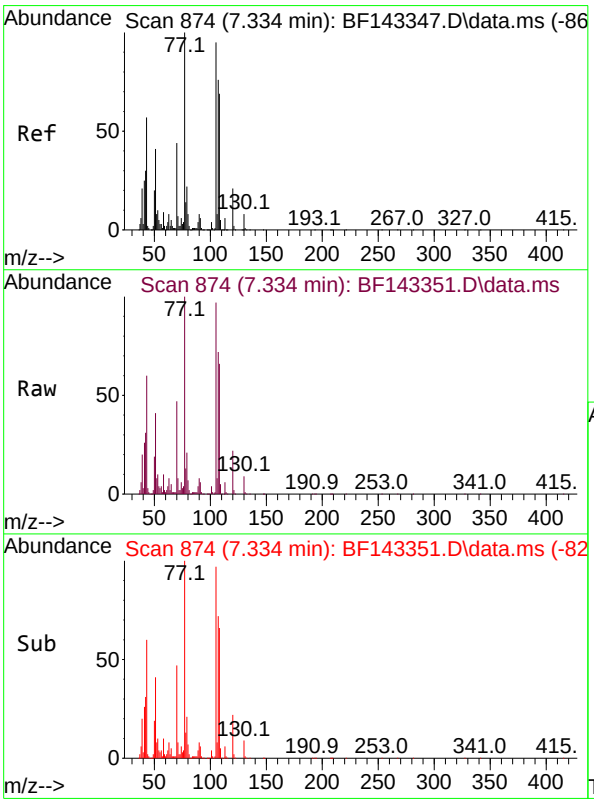
#19
n-Nitroso-di-n-propylamine
Concen: 39.940 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 70 Resp: 298013

Ion	Ratio	Lower	Upper
70	100		
42	64.0	51.6	77.4
101	9.5	7.5	11.3
130	20.4	15.8	23.6

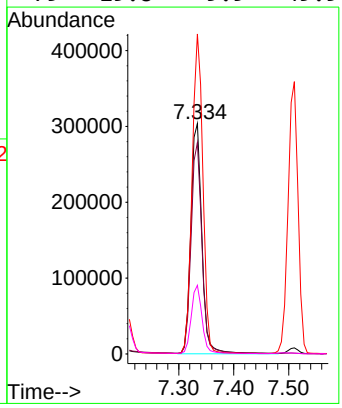


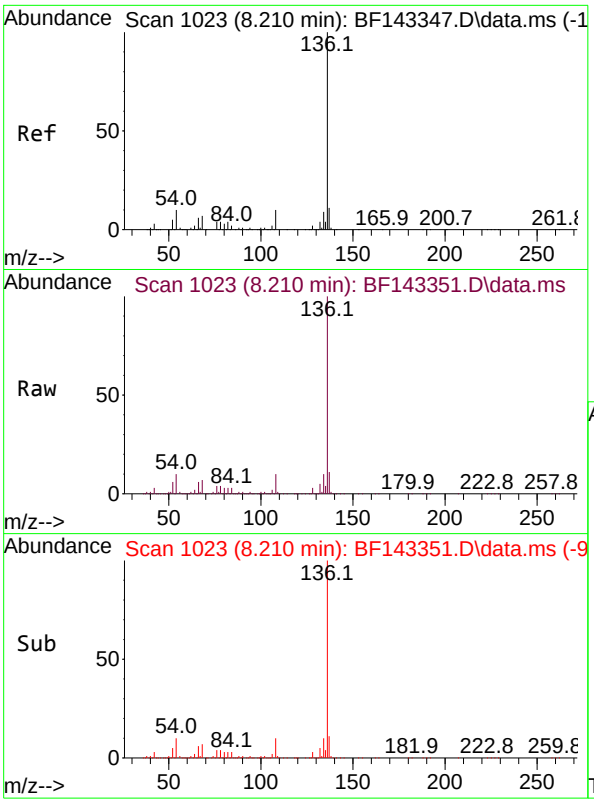


#20
3+4-Methylphenols
Concen: 41.105 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:107 Resp: 422225

Ion	Ratio	Lower	Upper
107	100		
108	91.7	70.6	110.6
77	138.9	112.0	152.0
79	29.8	9.9	49.9



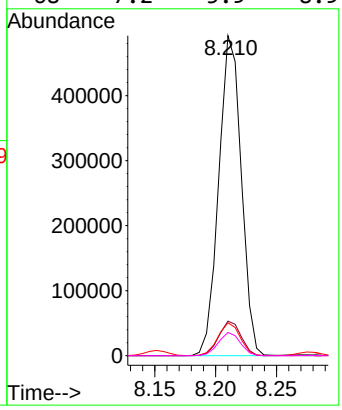


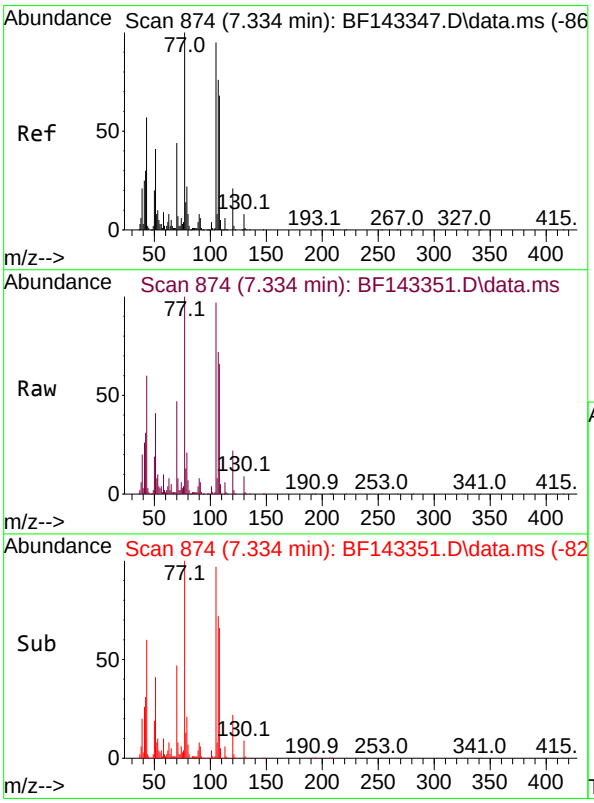
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:136 Resp: 633786

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.3	8.4	12.6
68	7.2	5.9	8.9

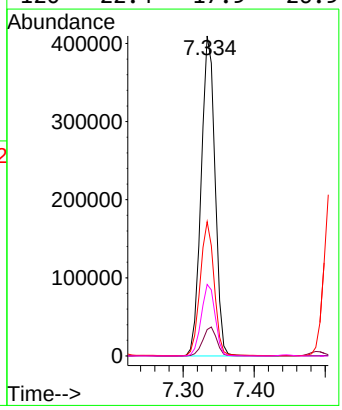


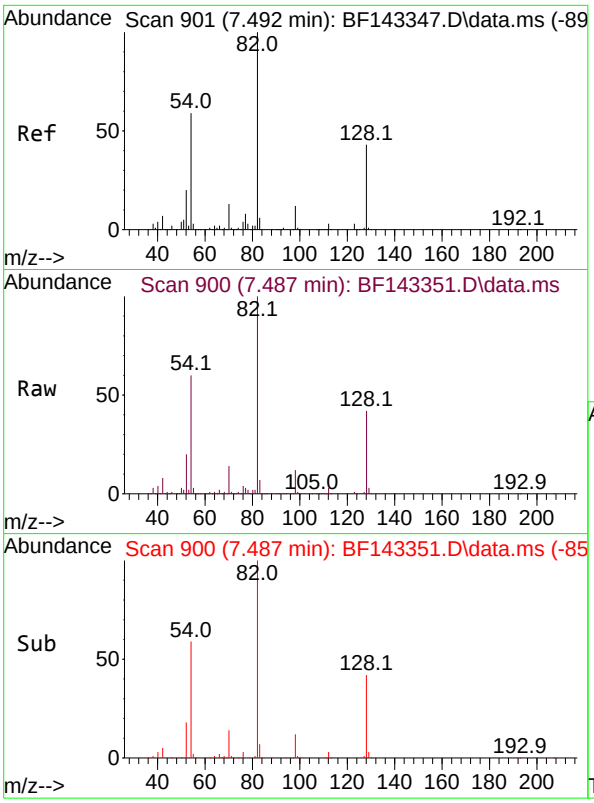


#22
Acetophenone
Concen: 39.985 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:105 Resp: 558359

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.4
51	41.9	34.8	52.2
120	22.4	17.9	26.9



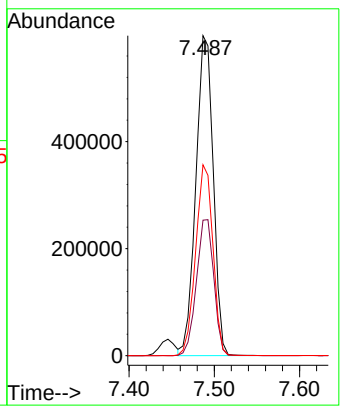


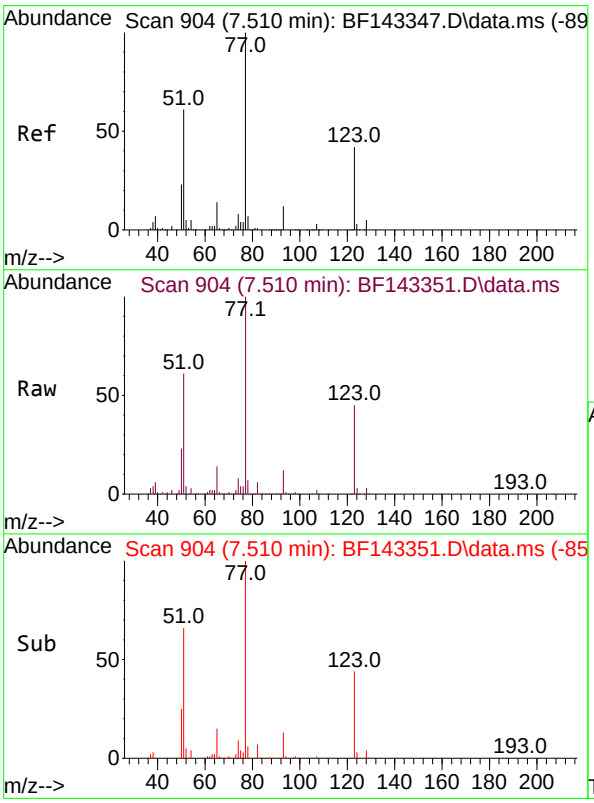
#23
Nitrobenzene-d5
Concen: 83.164 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 82 Resp: 846400

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.5	50.3
54	59.7	46.7	70.1

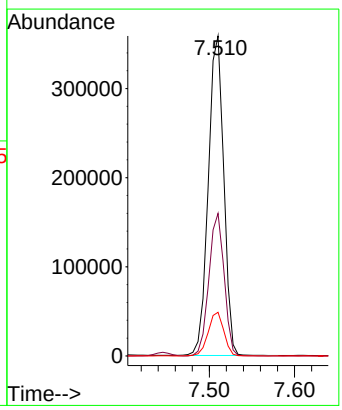


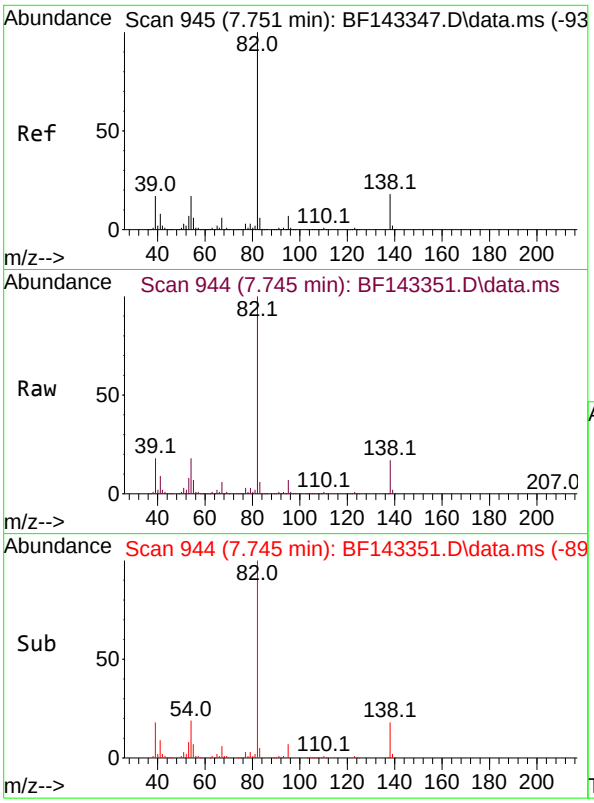


#24
Nitrobenzene
Concen: 40.919 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 77 Resp: 452284

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.7	11.0	16.6



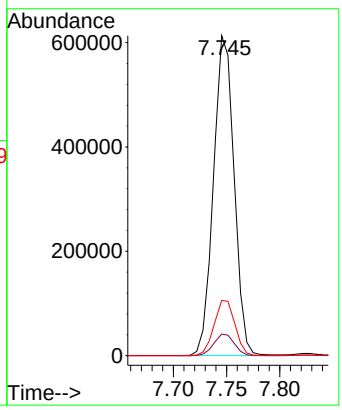


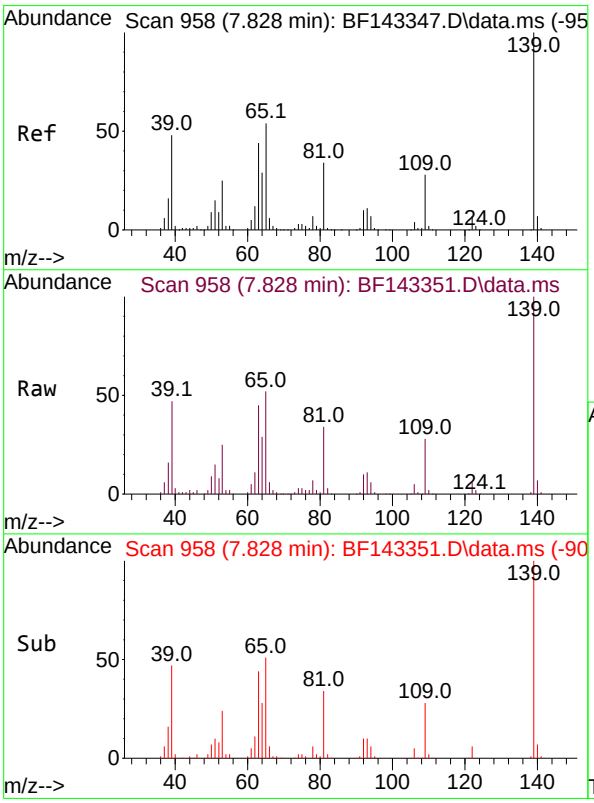
#25
Isophorone
Concen: 39.728 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 82 Resp: 825406

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.2	14.6	21.8

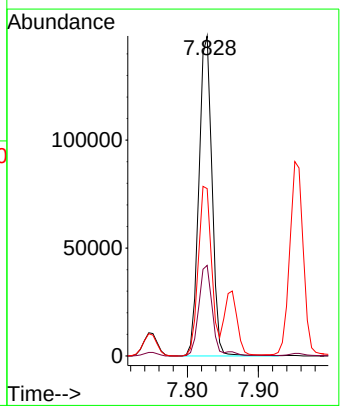


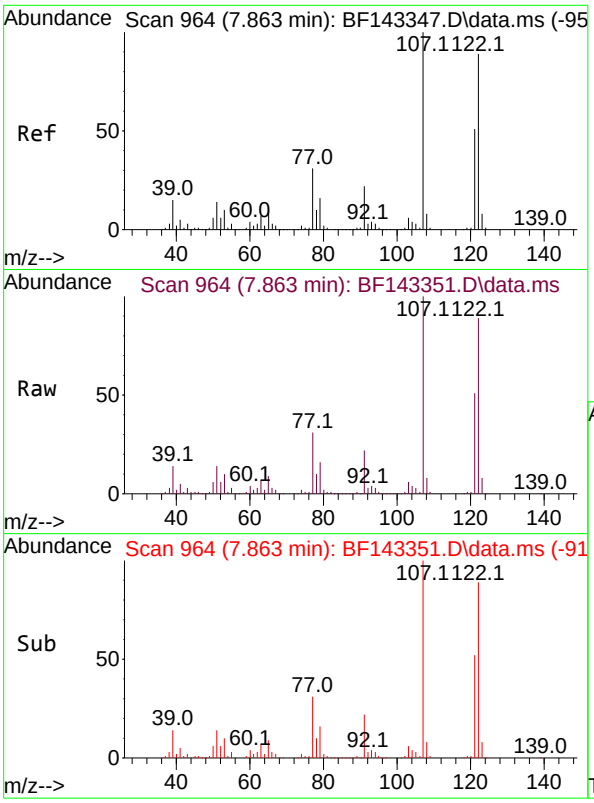


#26
2-Nitrophenol
Concen: 43.318 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:139 Resp: 190171

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.4	33.6
65	52.3	42.9	64.3



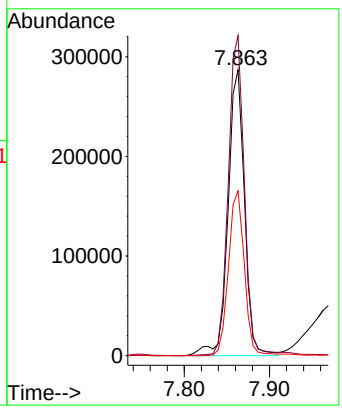


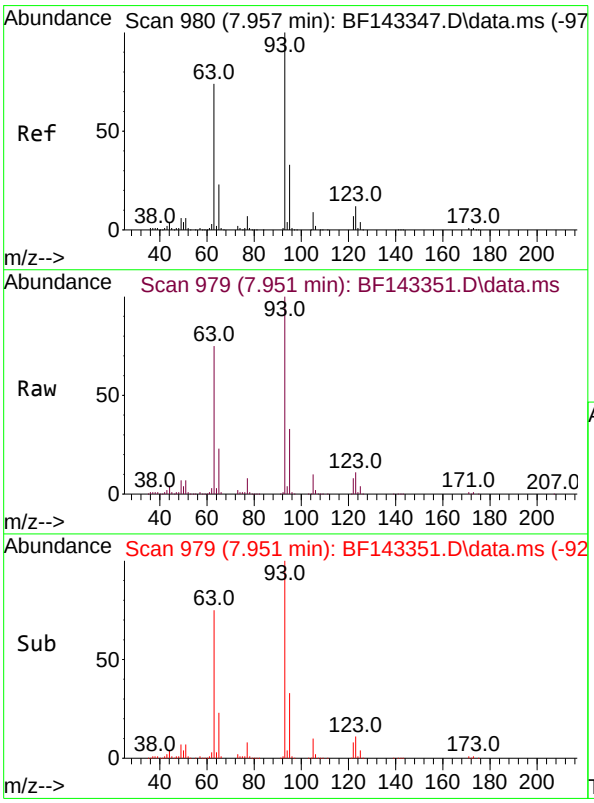
#27
2,4-Dimethylphenol
Concen: 44.394 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:122 Resp: 384805

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.6	46.2	69.4

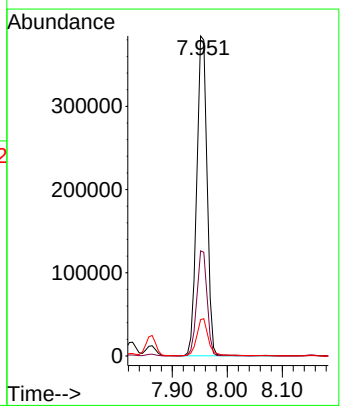


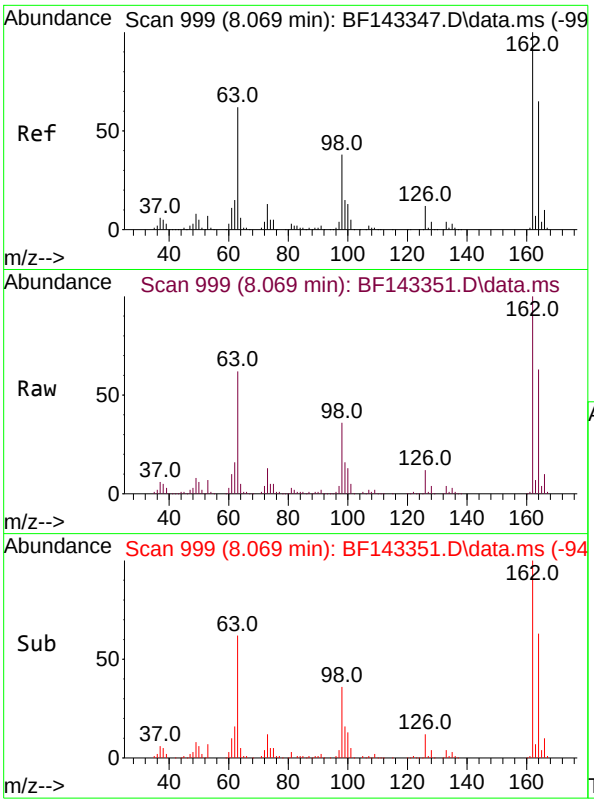


#28
bis(2-Chloroethoxy)methane
Concen: 39.714 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 503776

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.4	9.4	14.2



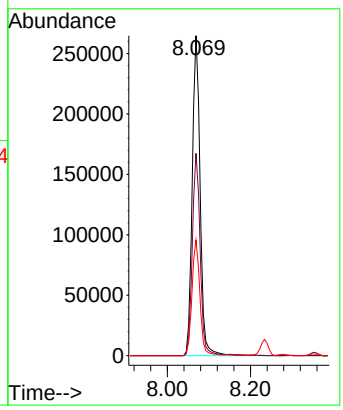


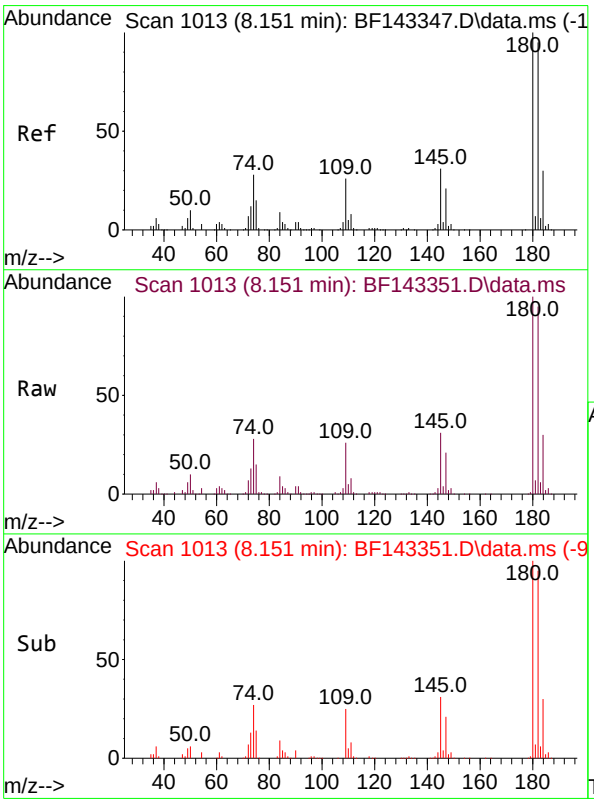
#29
2,4-Dichlorophenol
Concen: 41.289 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:162 Resp: 349559

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.5	84.5
98	36.2	17.7	57.7

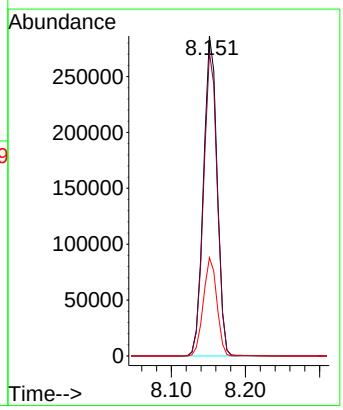


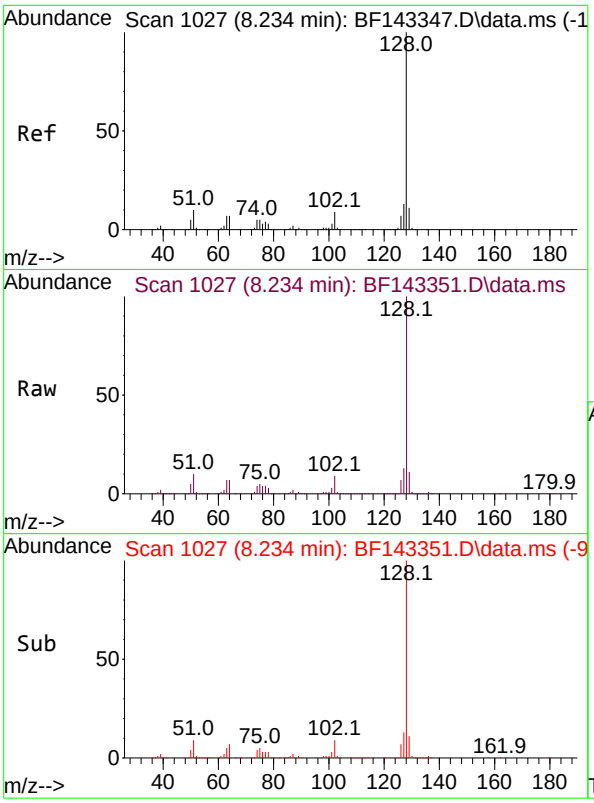


#30
1,2,4-Trichlorobenzene
Concen: 41.017 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:180 Resp: 366302

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	30.7	24.9	37.3



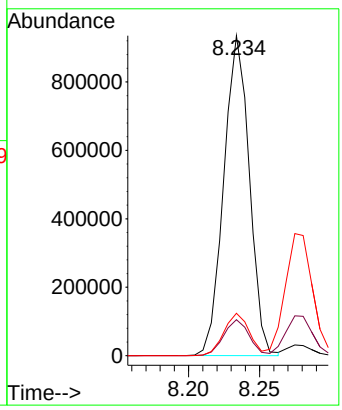


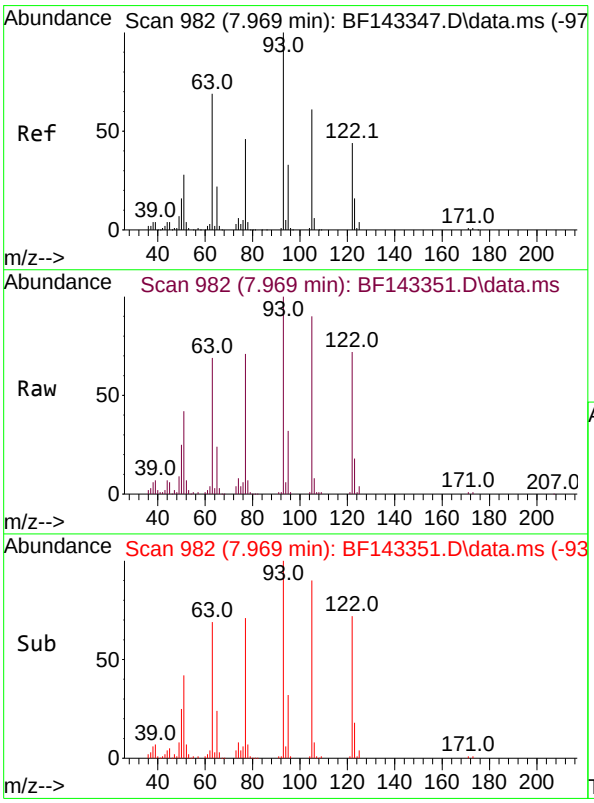
#31
Naphthalene
Concen: 38.372 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:128 Resp: 1170219

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.2	10.7	16.1

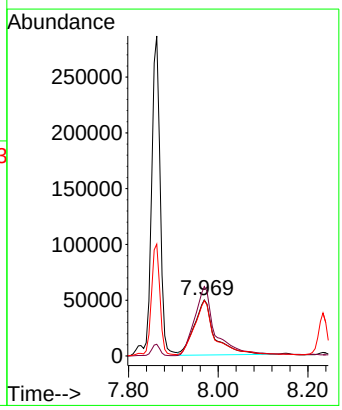


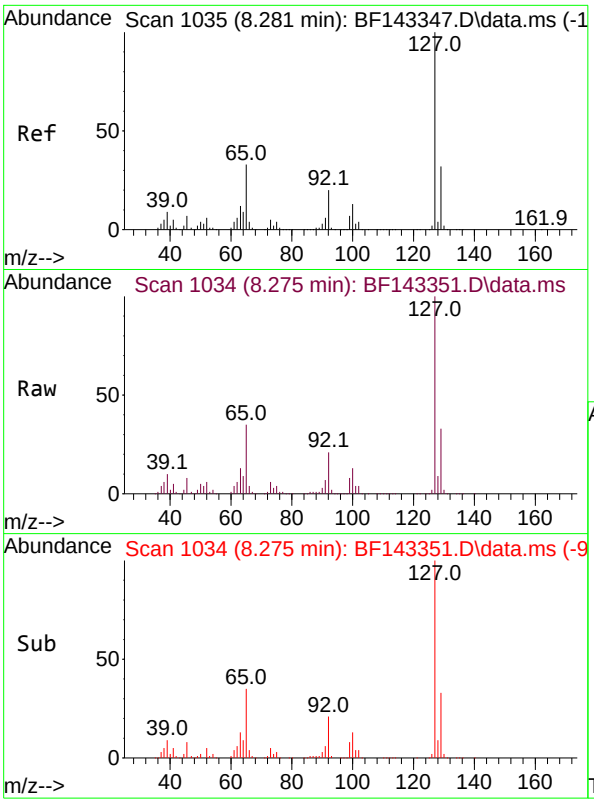


#32
Benzoic acid
Concen: 43.285 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:122 Resp: 157226

Ion	Ratio	Lower	Upper
122	100		
105	124.0	106.4	146.4
77	98.7	79.2	119.2



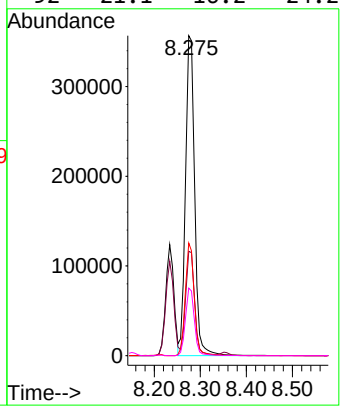


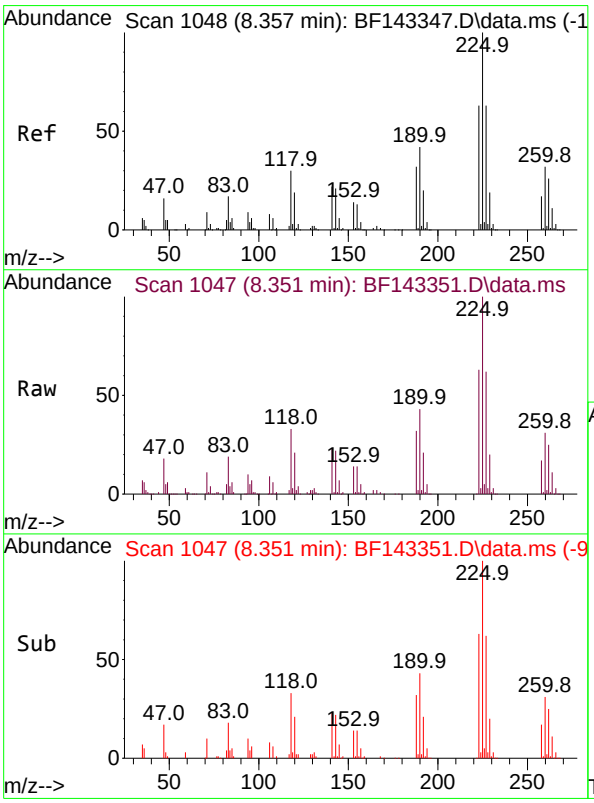
#33
4-Chloroaniline
Concen: 44.618 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:127 Resp: 490782

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.2	27.0	40.4
92	21.1	16.2	24.2

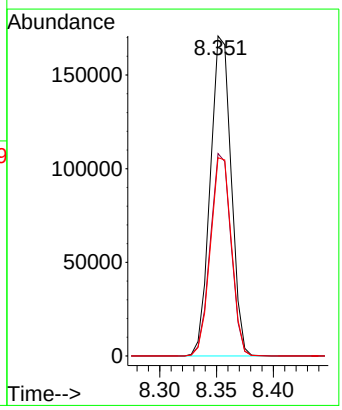


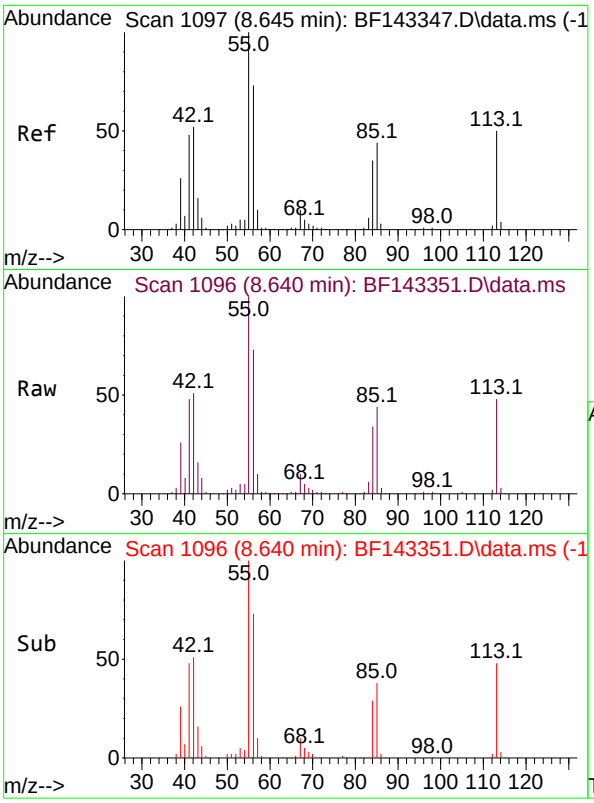


#34
Hexachlorobutadiene
Concen: 39.366 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:225 Resp: 218687

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.1	75.1
227	62.0	50.6	75.8



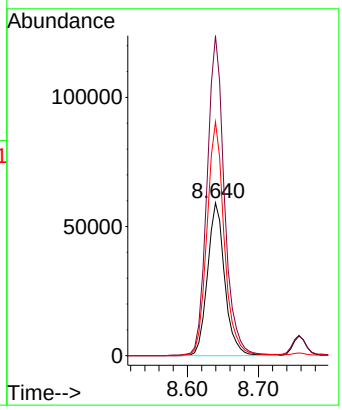


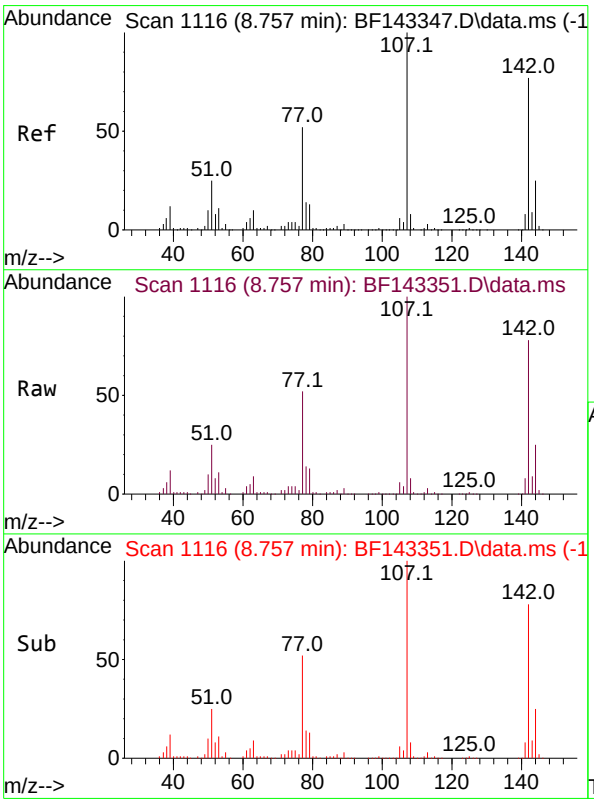
#35
Caprolactam
Concen: 41.892 ng
RT: 8.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:113 Resp: 99702

Ion	Ratio	Lower	Upper
113	100		
55	209.5	181.4	221.4
56	153.0	127.3	167.3

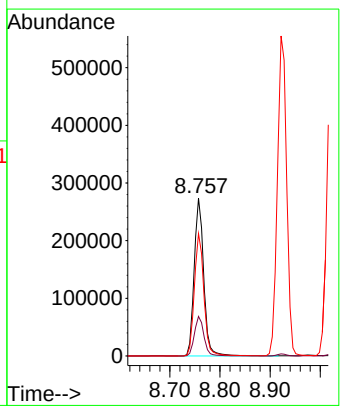


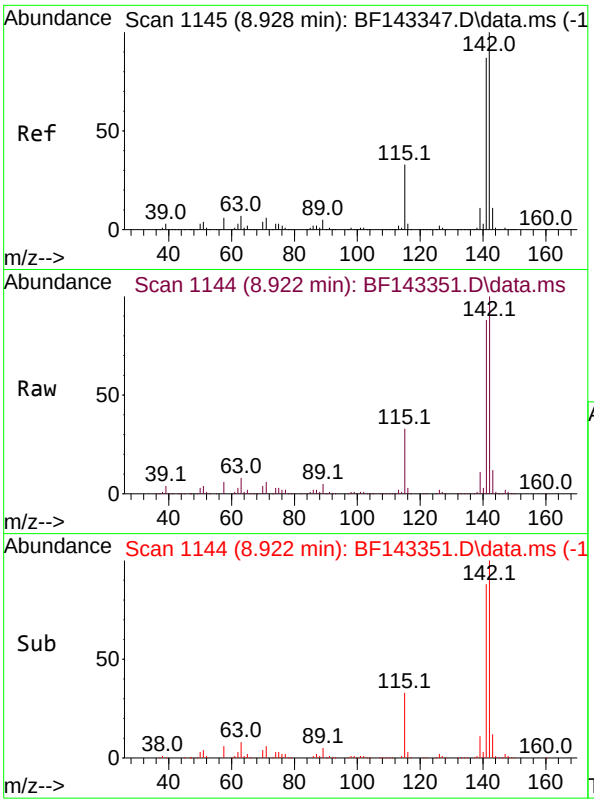


#36
4-Chloro-3-methylphenol
Concen: 40.717 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:107 Resp: 361383

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.0	30.0
142	77.6	61.3	91.9



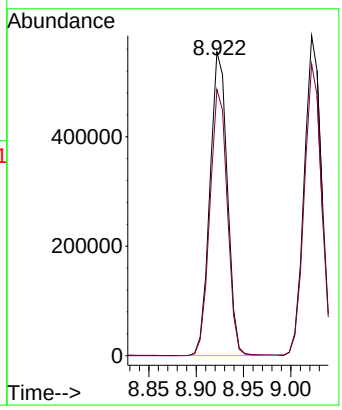


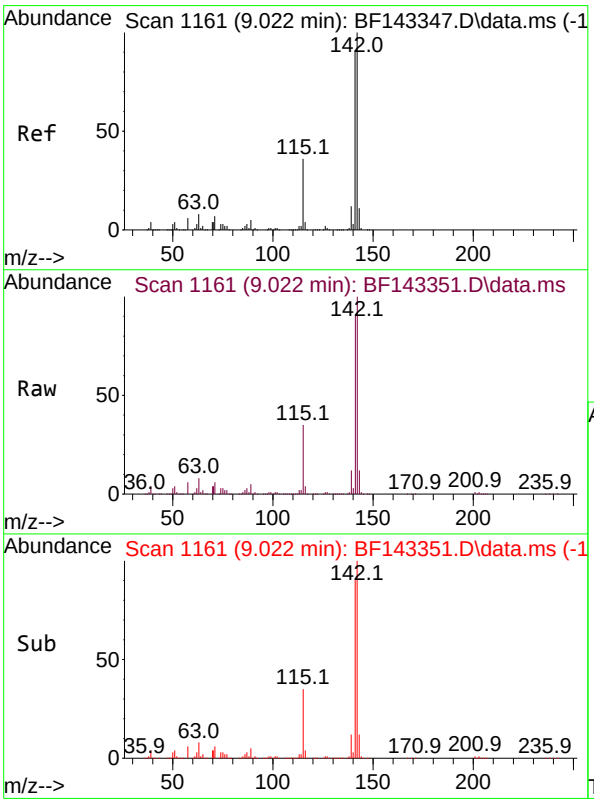
#37
2-Methylnaphthalene
Concen: 35.270 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:142 Resp: 707136

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.8	104.8

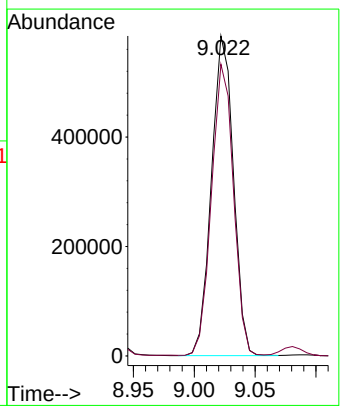


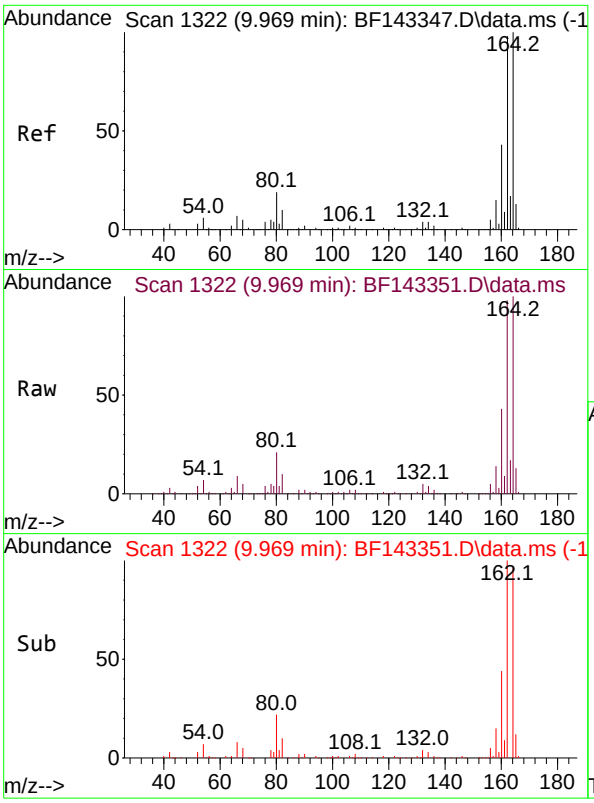


#38
1-Methylnaphthalene
Concen: 37.970 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:142 Resp: 733181

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.0	109.4



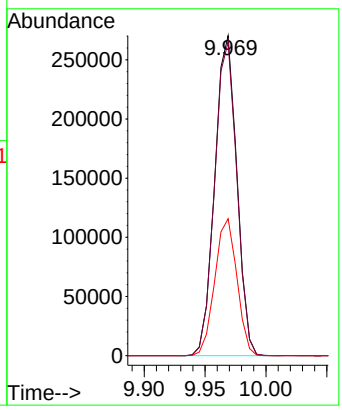


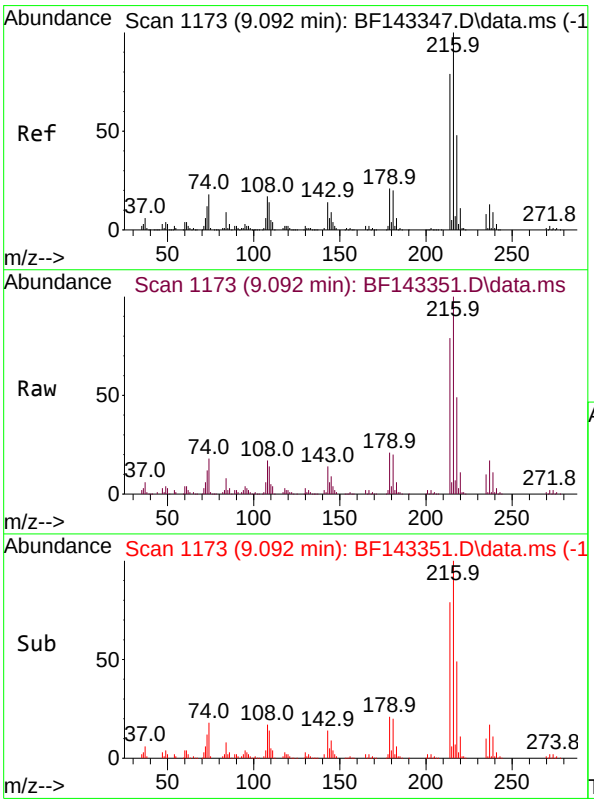
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:164 Resp: 340813

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.6	118.0
160	42.8	34.4	51.6

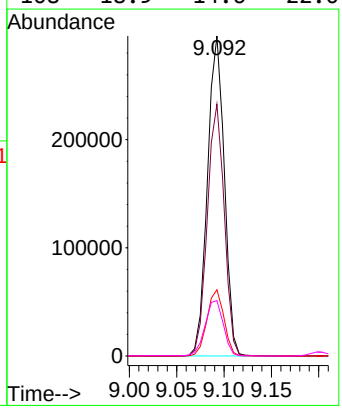


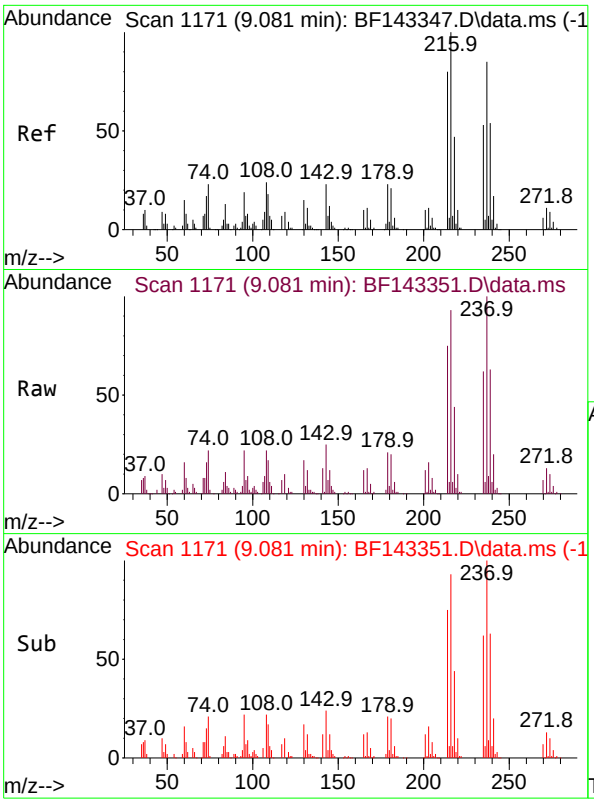


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.218 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:216 Resp: 365752

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	20.8	17.0	25.4
108	18.9	14.6	22.0



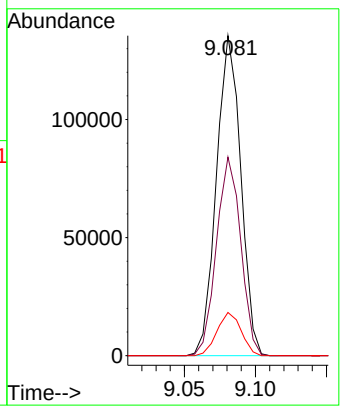


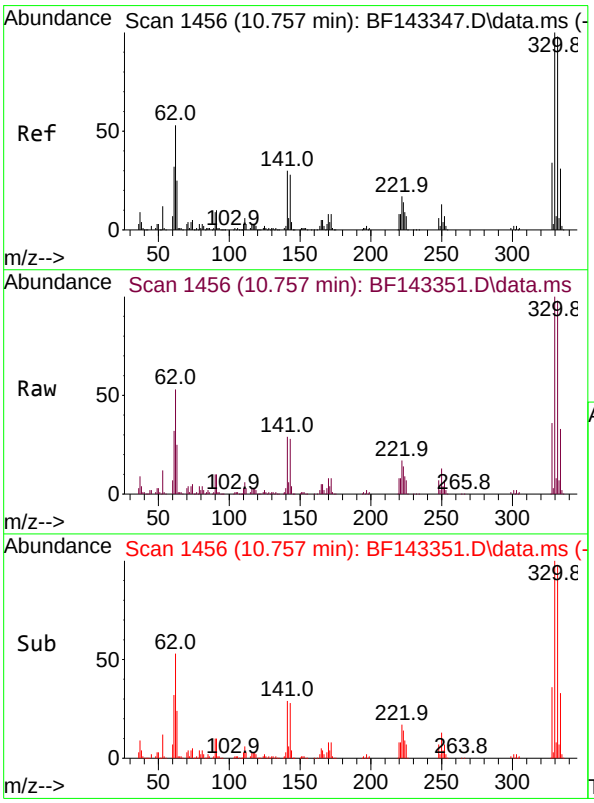
#41
Hexachlorocyclopentadiene
Concen: 51.644 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:237 Resp: 161472

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.0	82.0
272	13.5	0.0	32.6

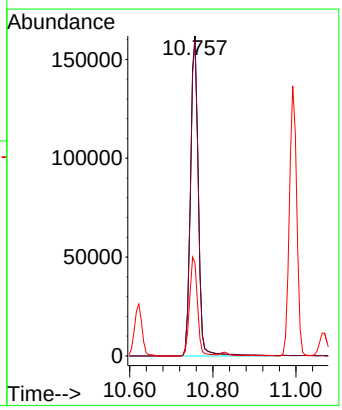


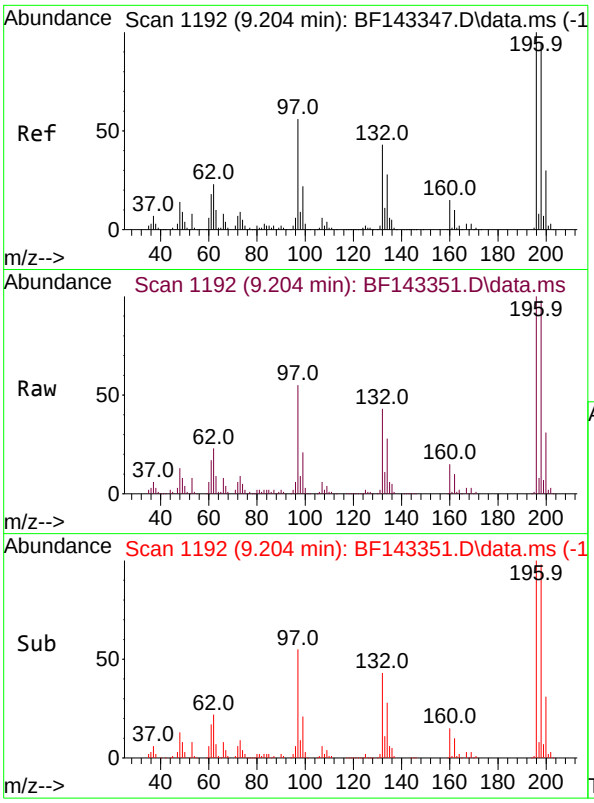


#42
2,4,6-Tribromophenol
Concen: 84.868 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:330 Resp: 211383

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.1	117.1
141	31.2	25.4	38.0



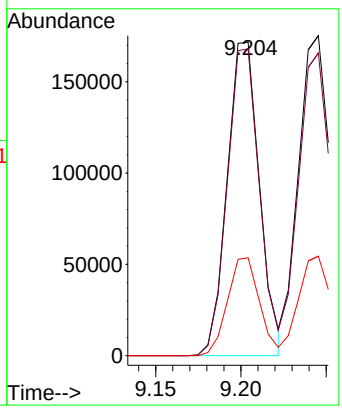


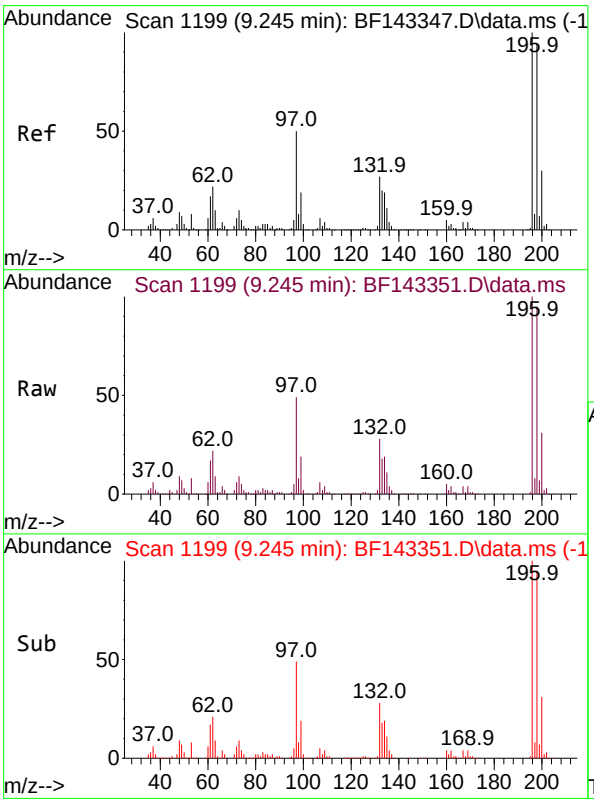
#43
2,4,6-Trichlorophenol
Concen: 42.843 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:196 Resp: 226704

Ion	Ratio	Lower	Upper
196	100		
198	97.9	75.4	113.0
200	31.2	24.3	36.5

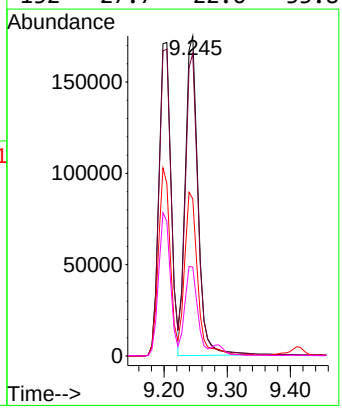


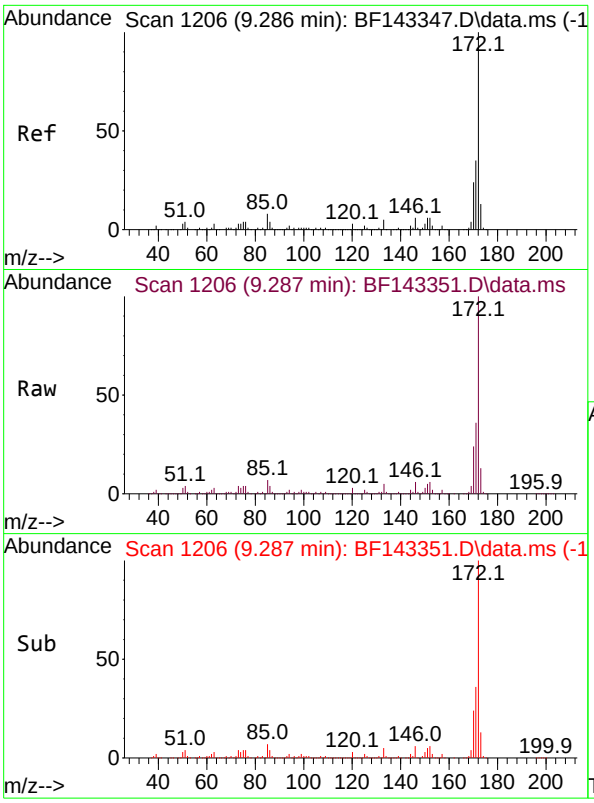


#44
2,4,5-Trichlorophenol
Concen: 41.305 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:196 Resp: 246815

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.4	113.2
97	49.1	39.9	59.9
132	27.7	22.6	33.8



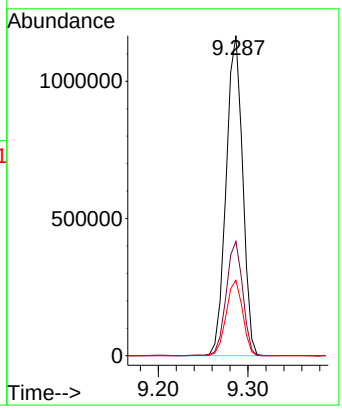


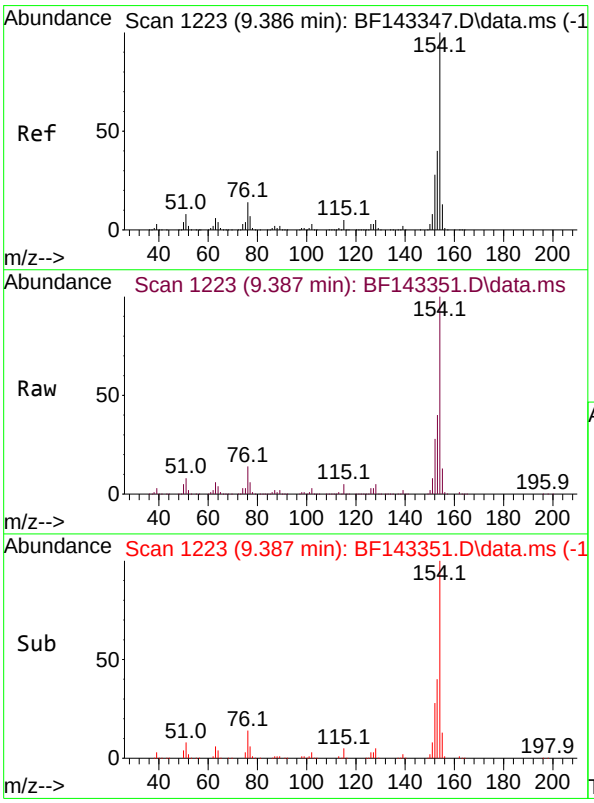
#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:172 Resp: 1489585

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.6	19.1	28.7

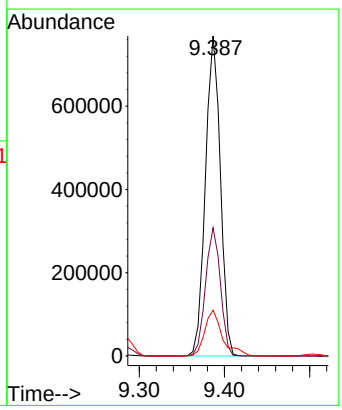


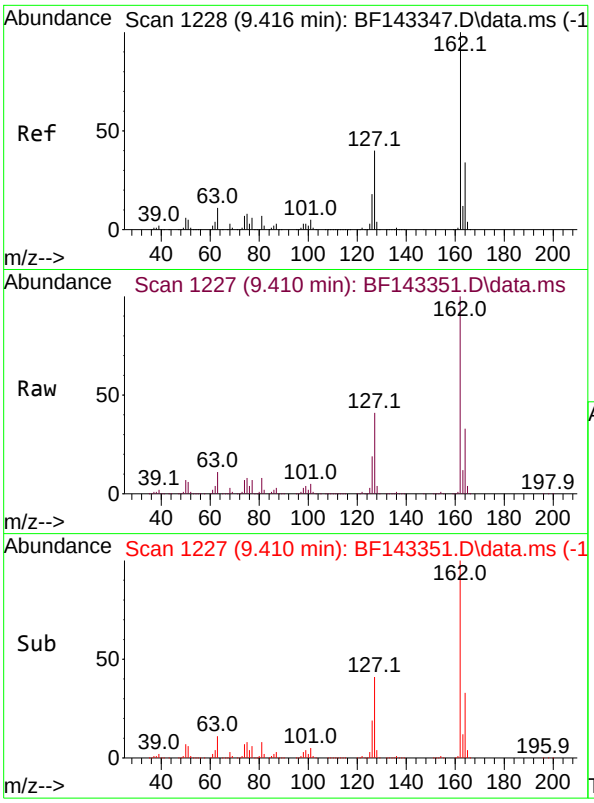


#46
1,1'-Biphenyl
Concen: 38.812 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:154 Resp: 935277

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	14.3	0.0	34.4



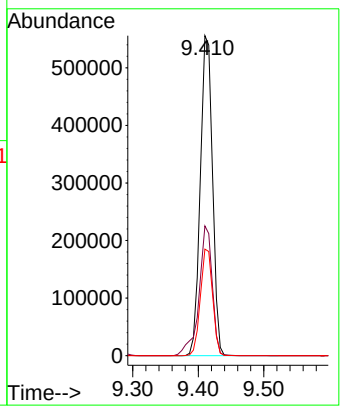


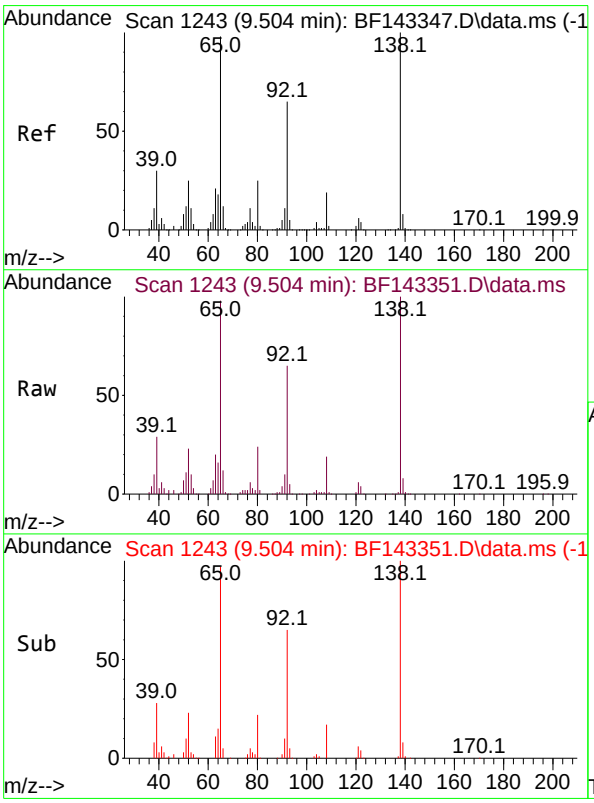
#47
2-Chloronaphthalene
Concen: 38.093 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:162 Resp: 722952

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.1	48.1
164	33.3	27.0	40.4

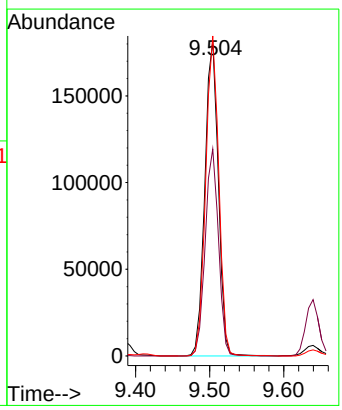


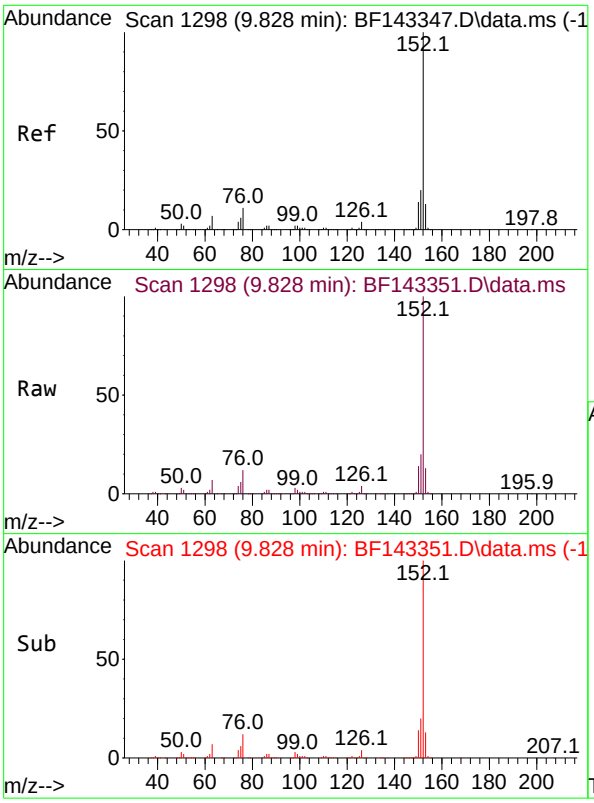


#48
2-Nitroaniline
Concen: 42.167 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 65 Resp: 228854

Ion	Ratio	Lower	Upper
65	100		
92	65.7	53.1	79.7
138	101.5	81.4	122.0



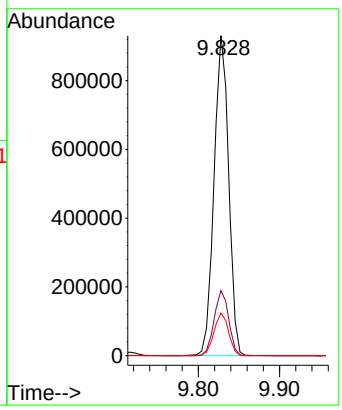


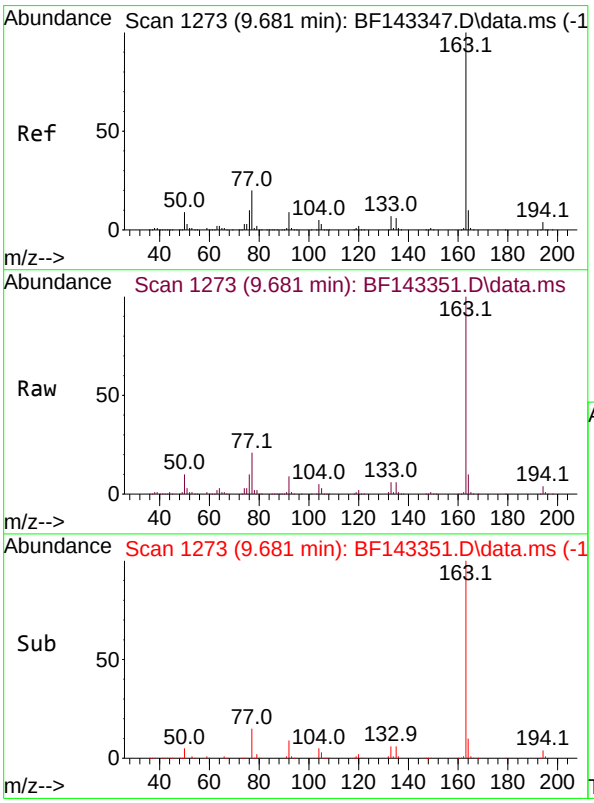
#49
Acenaphthylene
Concen: 42.507 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:152 Resp: 1164992

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	16.0

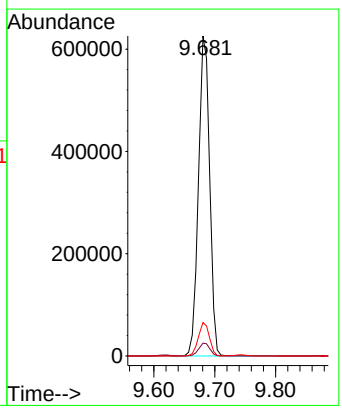


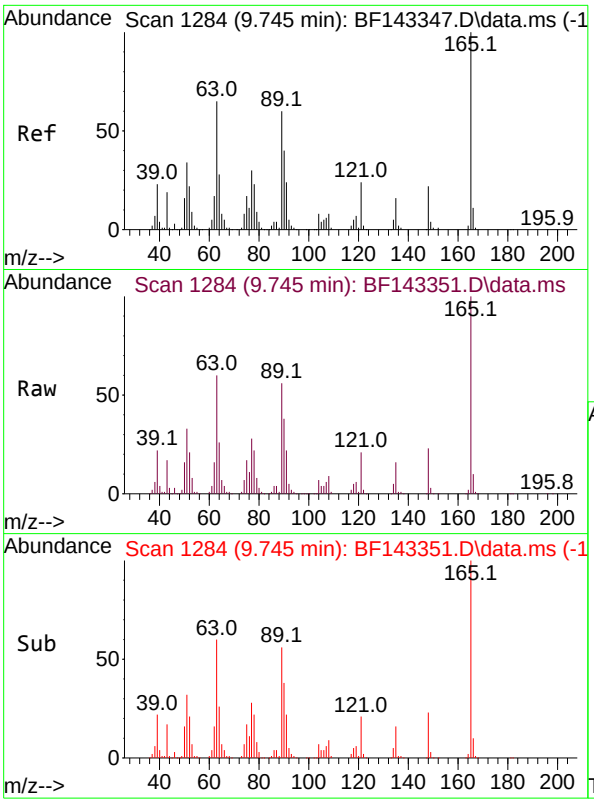


#50
Dimethylphthalate
Concen: 40.126 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:163 Resp: 799080

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.4	8.2	12.2



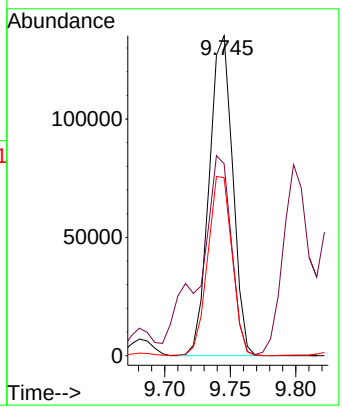


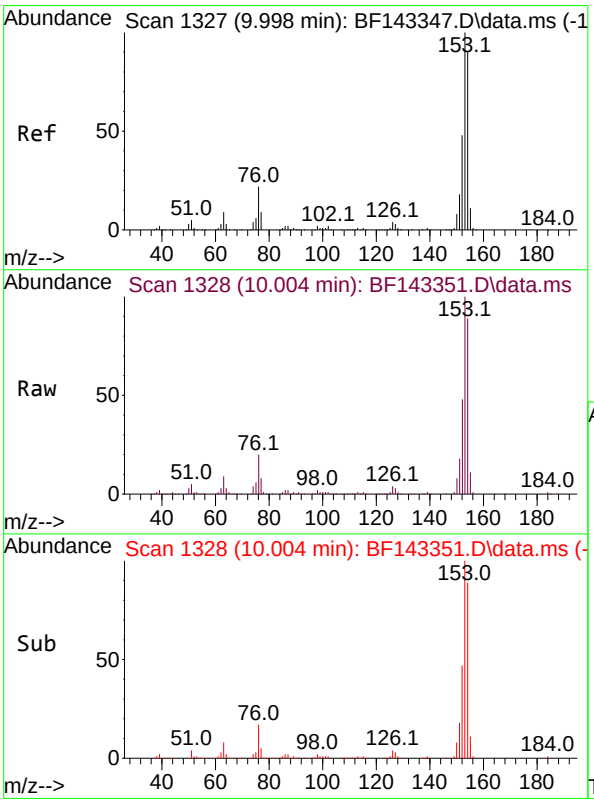
#51
2,6-Dinitrotoluene
Concen: 45.012 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:165 Resp: 168880

Ion	Ratio	Lower	Upper
165	100		
63	60.0	51.6	77.4
89	55.7	47.7	71.5

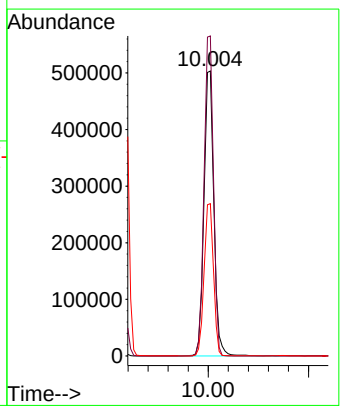


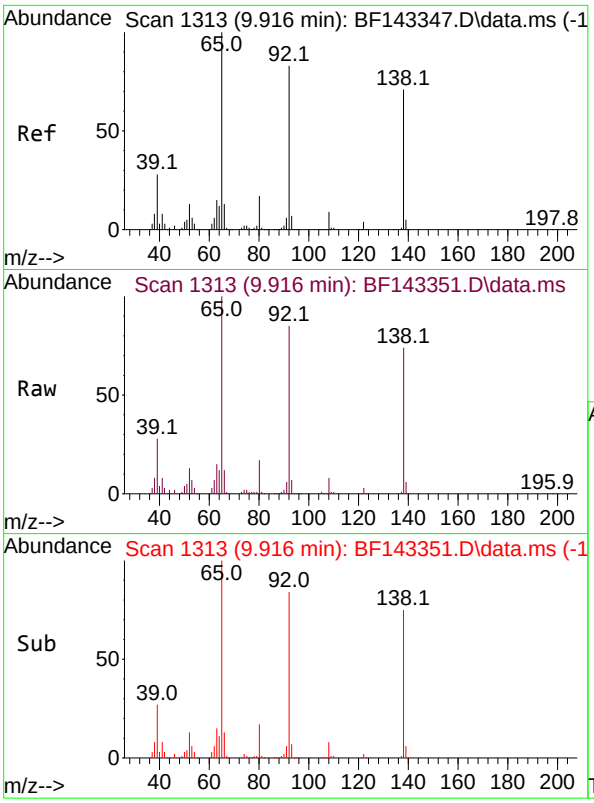


#52
Acenaphthene
Concen: 37.893 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:154 Resp: 690443

Ion	Ratio	Lower	Upper
154	100		
153	112.3	88.5	132.7
152	53.4	42.4	63.6



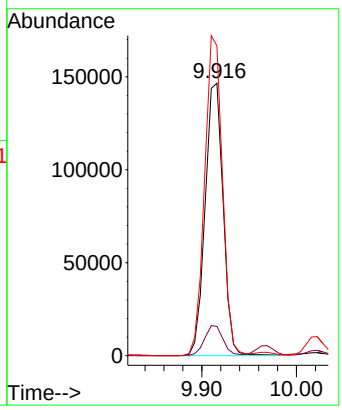


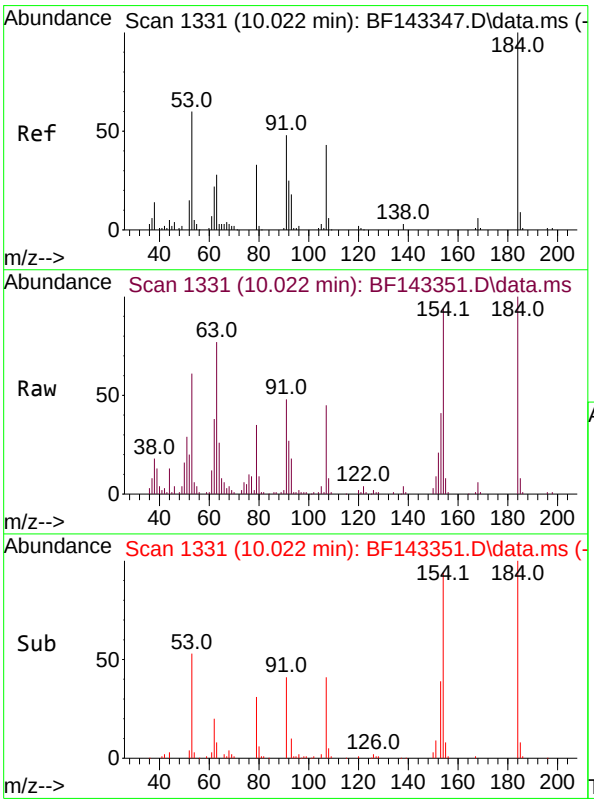
#53
3-Nitroaniline
Concen: 47.593 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:138 Resp: 194097

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.6	14.4
92	113.7	93.4	140.2

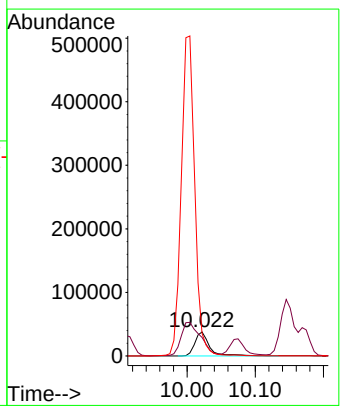


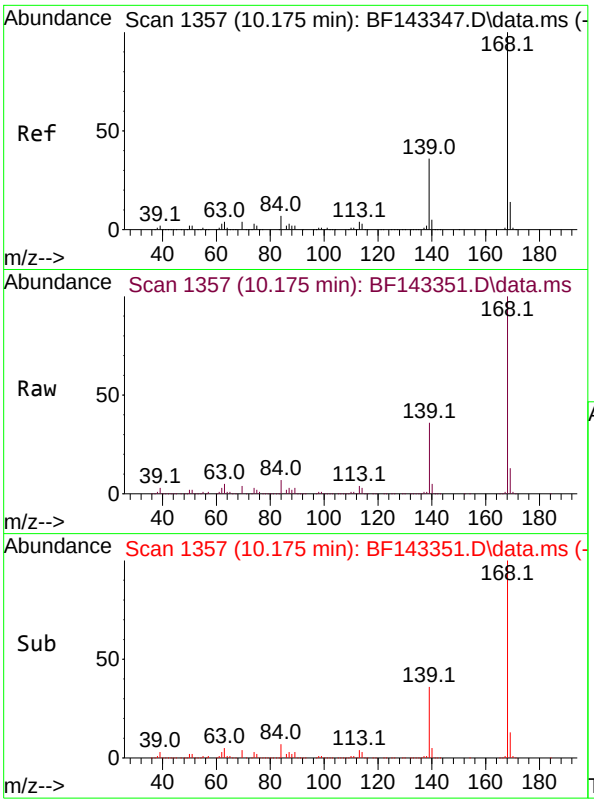


#54
2,4-Dinitrophenol
Concen: 45.910 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:184 Resp: 56042

Ion	Ratio	Lower	Upper
184	100		
63	77.4	62.5	93.7
154	94.4	73.0	109.4



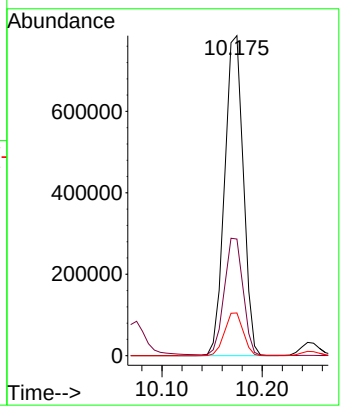


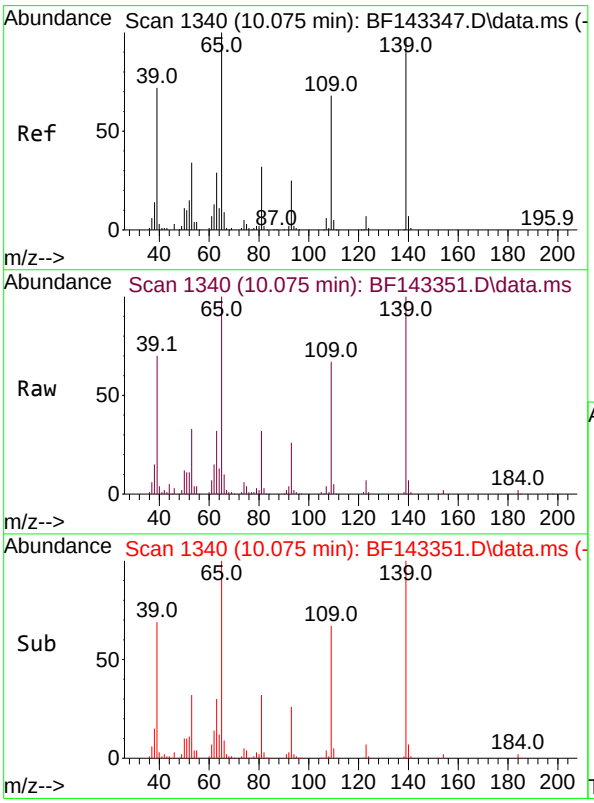
#55
Dibenzofuran
Concen: 38.652 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:168 Resp: 1013581

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.4	44.0
169	13.4	11.0	16.6

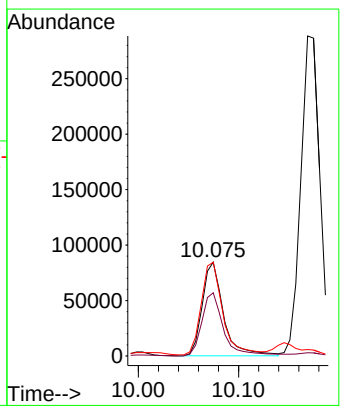


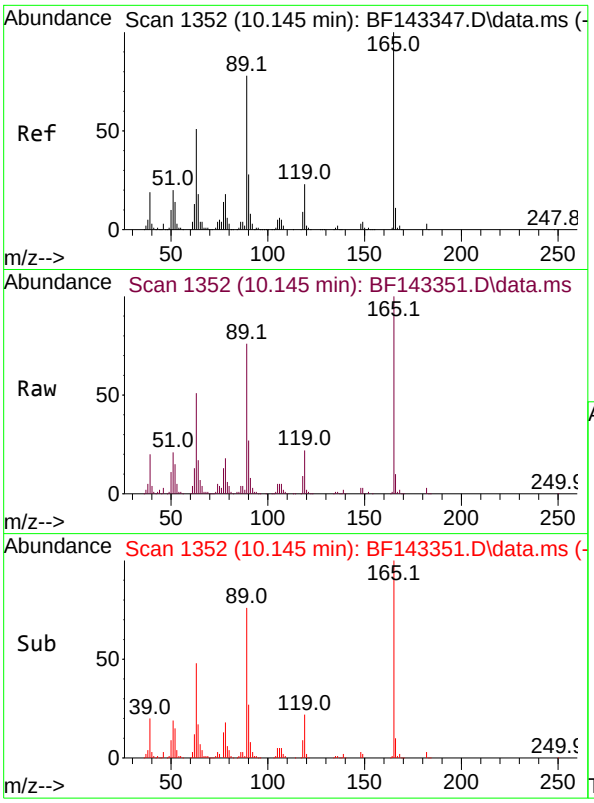


#56
4-Nitrophenol
Concen: 41.060 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:139 Resp: 124501

Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.4	89.4
65	100.1	83.7	123.7



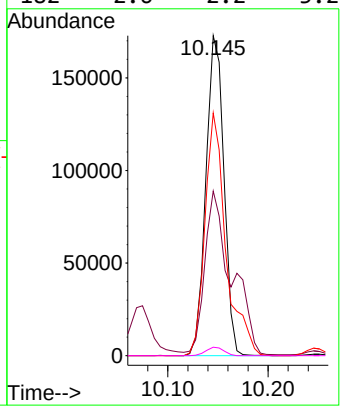


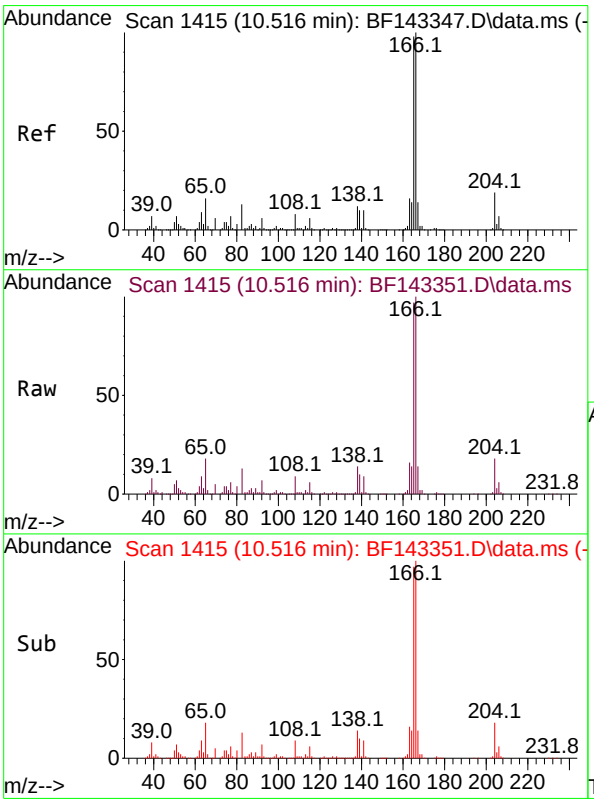
#57
2,4-Dinitrotoluene
Concen: 43.458 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:165 Resp: 215795

Ion	Ratio	Lower	Upper
165	100		
63	51.4	41.8	62.8
89	75.9	62.4	93.6
182	2.6	2.2	3.2

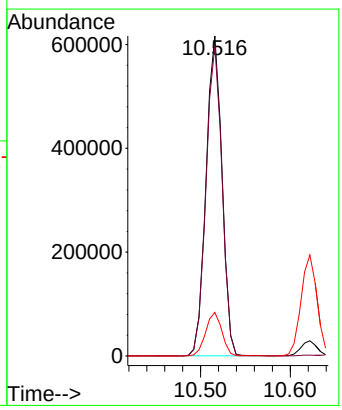


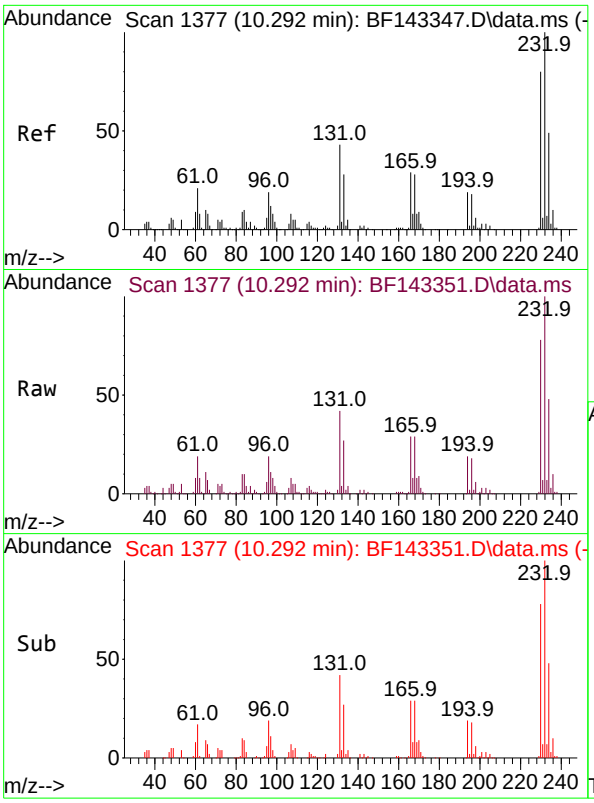


#58
Fluorene
Concen: 38.022 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:166 Resp: 761581

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.4
167	13.6	10.9	16.3



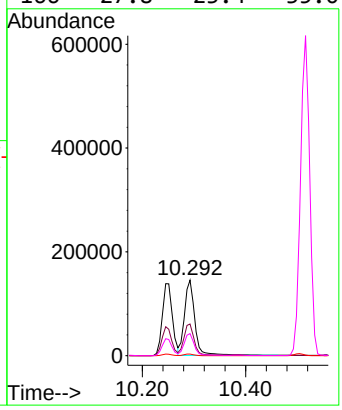


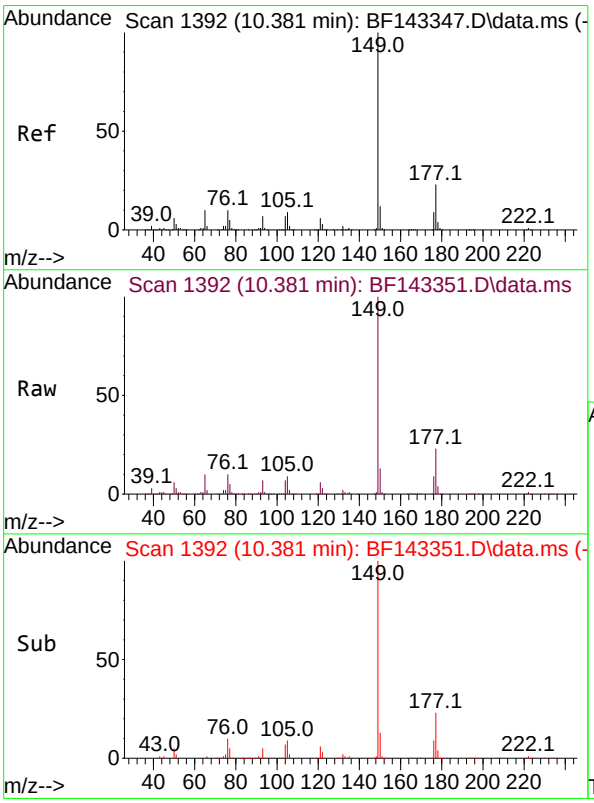
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.091 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:232 Resp: 201768

Ion	Ratio	Lower	Upper
232	100		
131	42.2	34.6	51.8
130	2.1	1.7	2.5
166	27.8	23.4	35.0

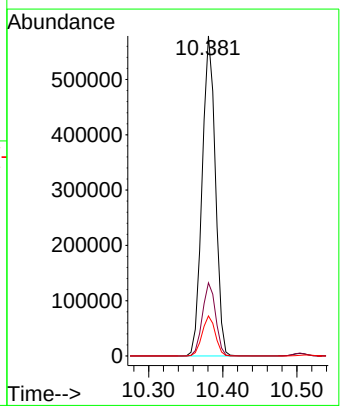


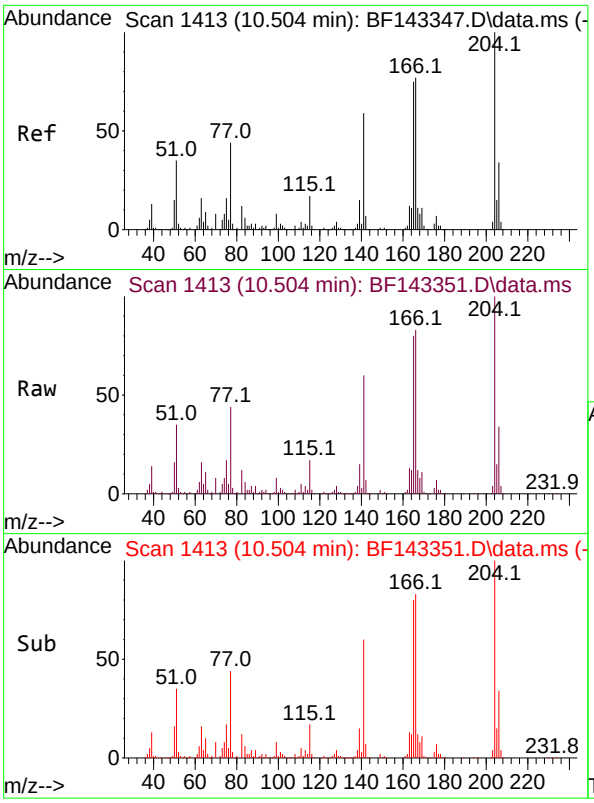


#60
Diethylphthalate
Concen: 40.317 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 719164

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.2	27.2
150	12.5	9.9	14.9



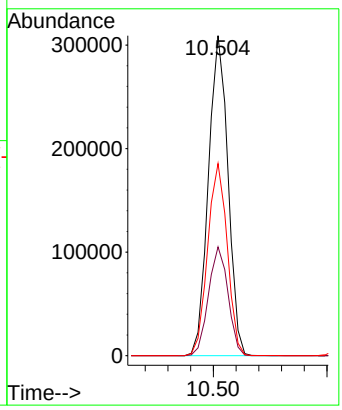


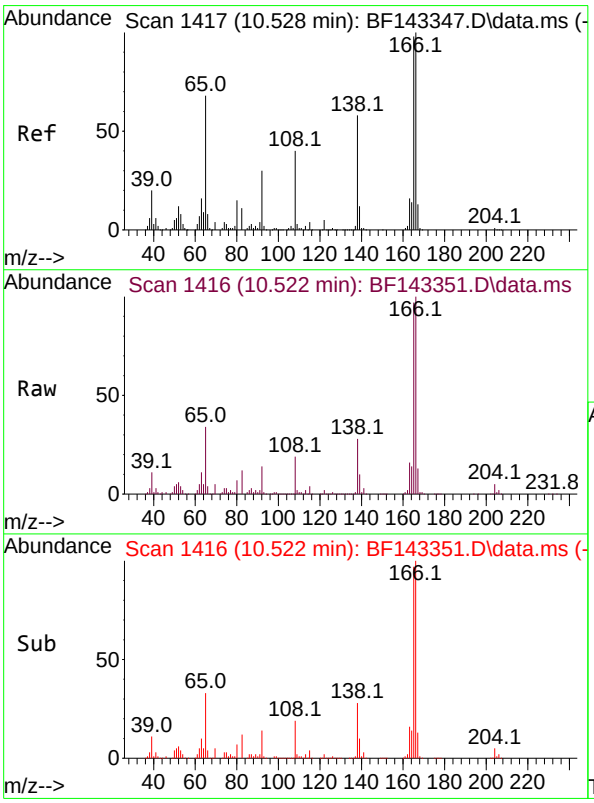
#61
4-Chlorophenyl-phenylether
Concen: 38.123 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:204 Resp: 368971

Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.4	41.2
141	60.1	46.9	70.3

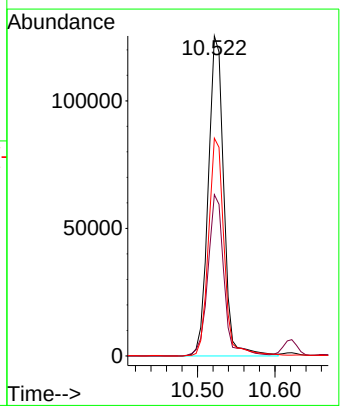


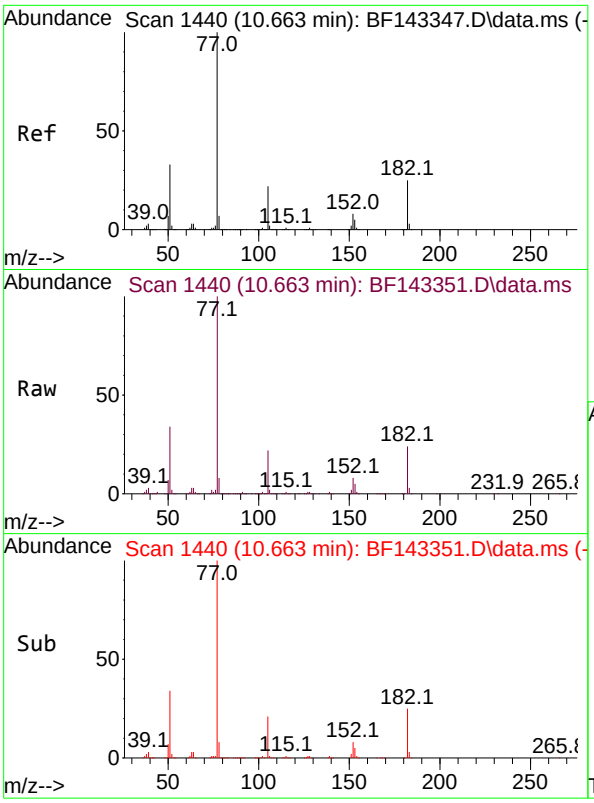


#62
4-Nitroaniline
Concen: 44.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:138 Resp: 174863

Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.2	71.2
108	68.1	48.1	88.1



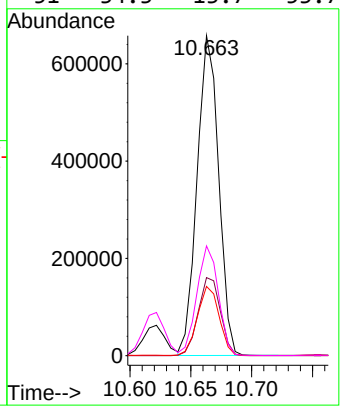


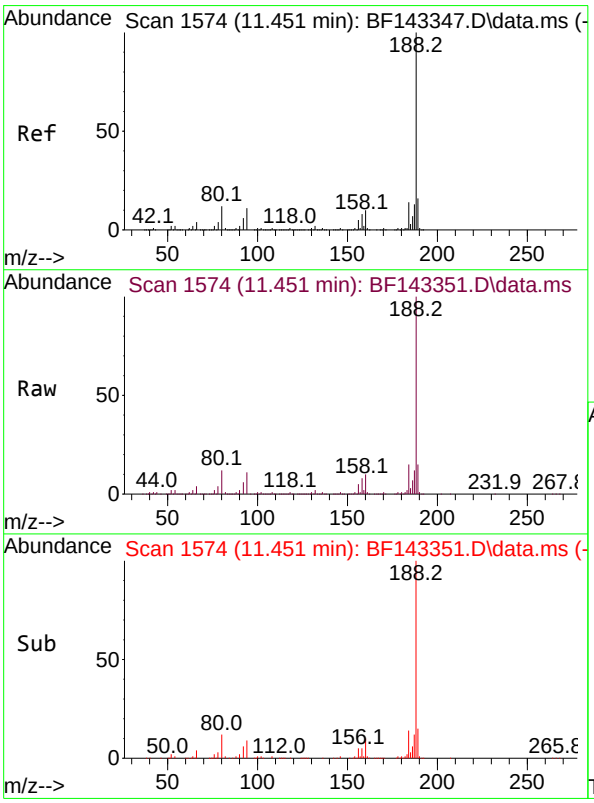
#63
Azobenzene
Concen: 39.721 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 77 Resp: 809295

Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.4	44.4
105	21.7	1.8	41.8
51	34.3	13.7	53.7

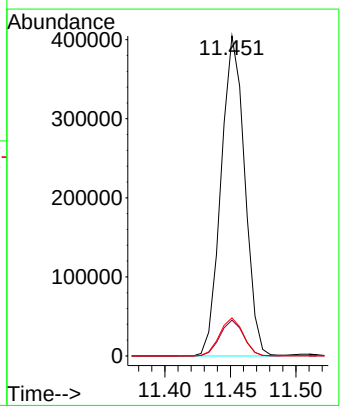


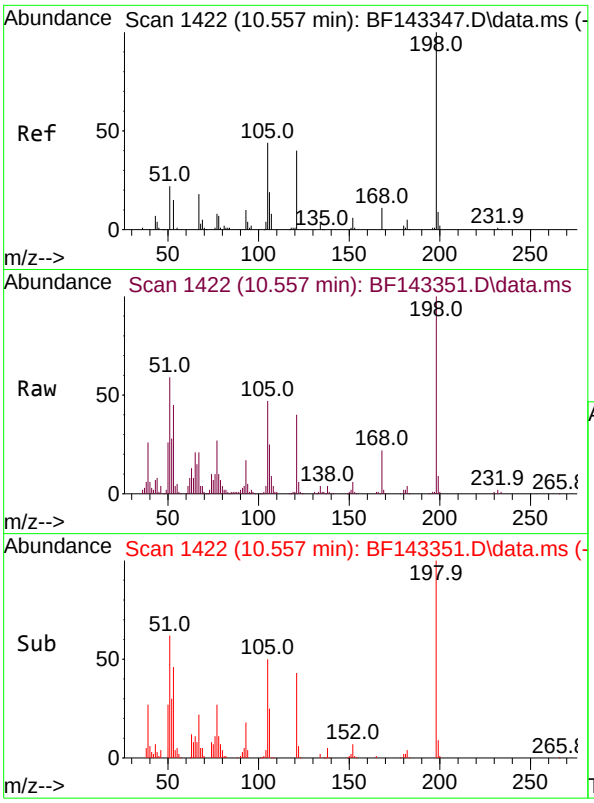


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:188 Resp: 507289

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.8	13.2
80	11.9	9.7	14.5



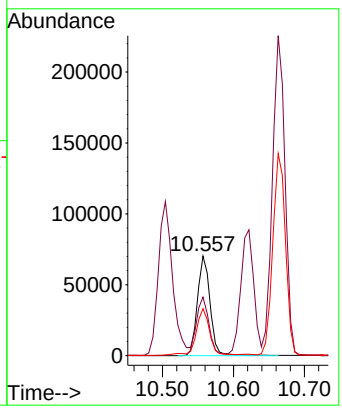


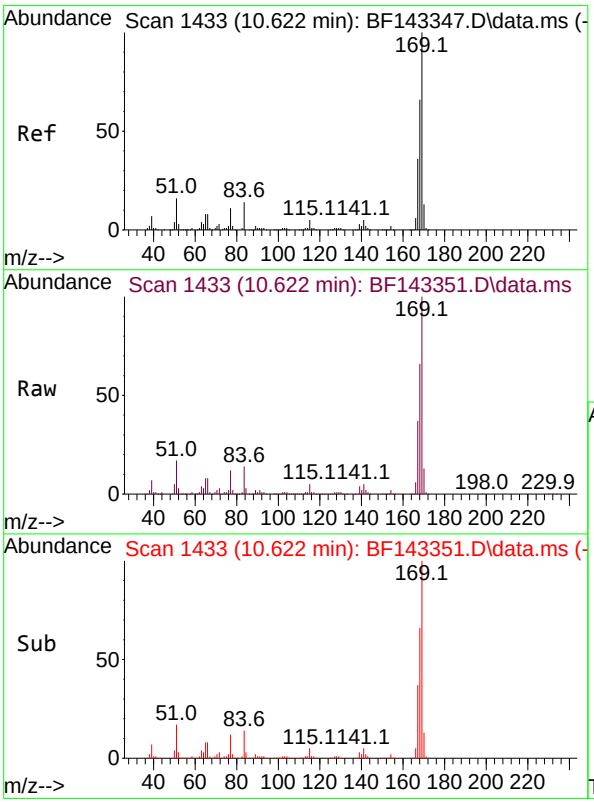
#65
4,6-Dinitro-2-methylphenol
Concen: 43.535 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:198 Resp: 87717

Ion	Ratio	Lower	Upper
198	100		
51	58.8	41.7	81.7
105	47.3	26.8	66.8

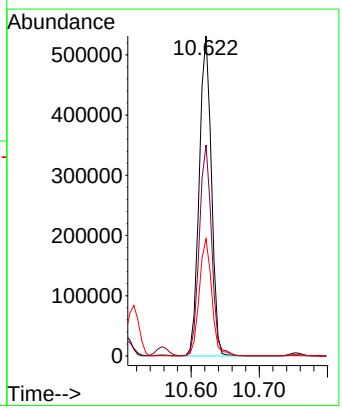


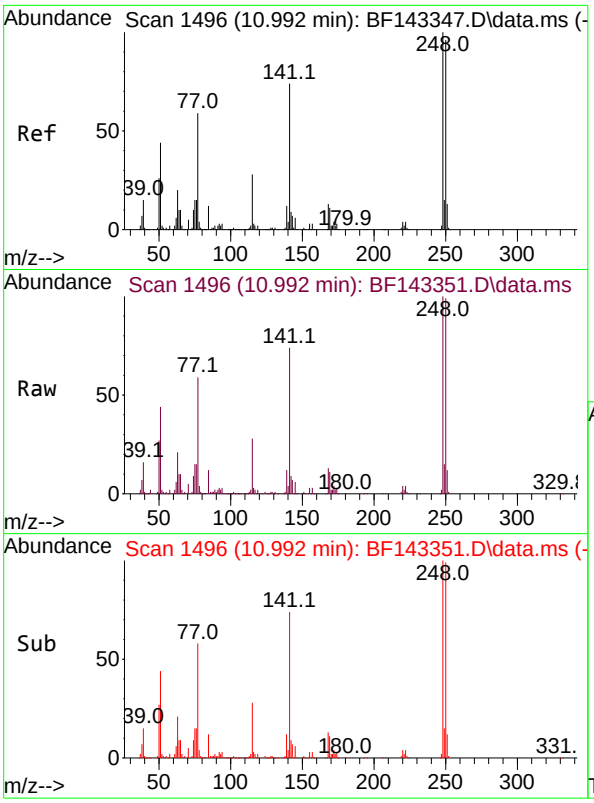


#66
n-Nitrosodiphenylamine
Concen: 39.468 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:169 Resp: 659263

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	36.6	28.6	42.8



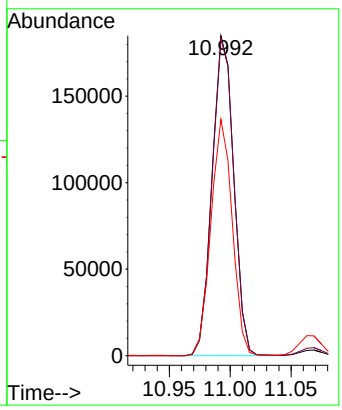


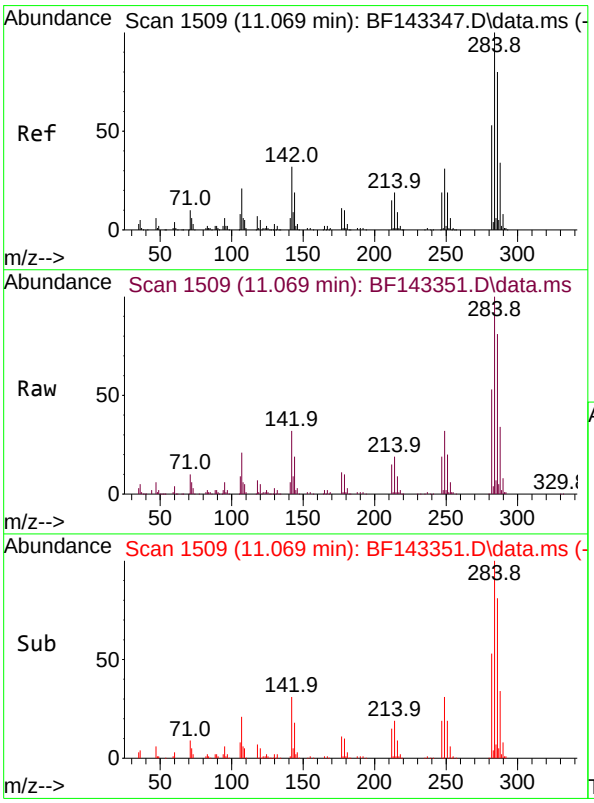
#67
4-Bromophenyl-phenylether
Concen: 39.466 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:248 Resp: 228971

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.1	115.7
141	73.9	59.1	88.7

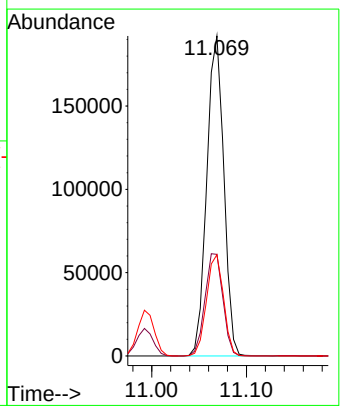


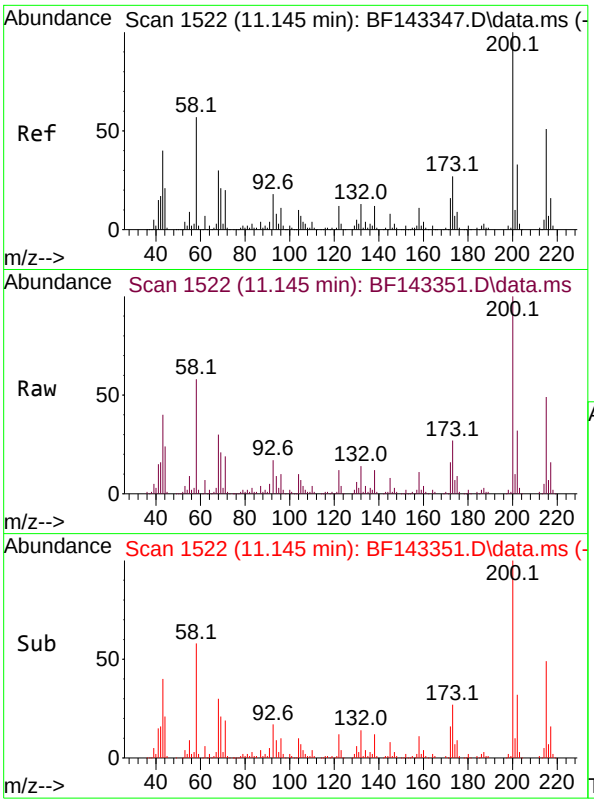


#68
Hexachlorobenzene
Concen: 38.460 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:284 Resp: 240521

Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.7	38.5
249	31.6	24.6	37.0



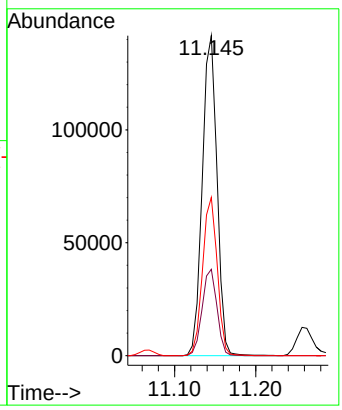


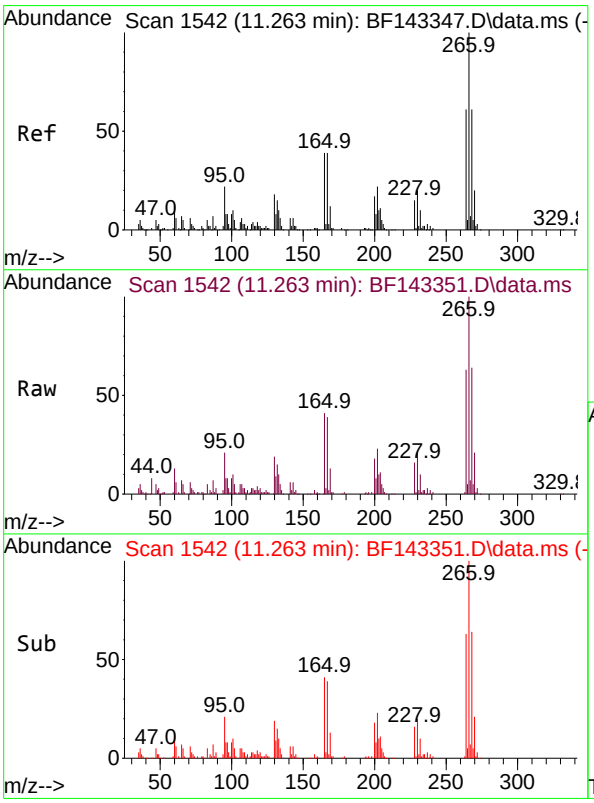
#69
Atrazine
Concen: 40.936 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:200 Resp: 178347

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.6	46.6
215	49.4	30.6	70.6

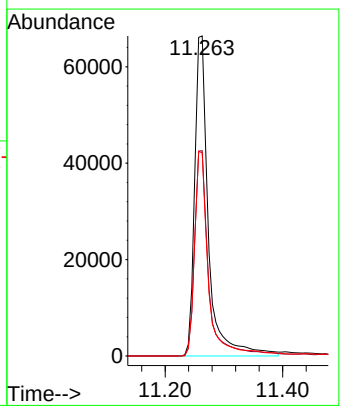


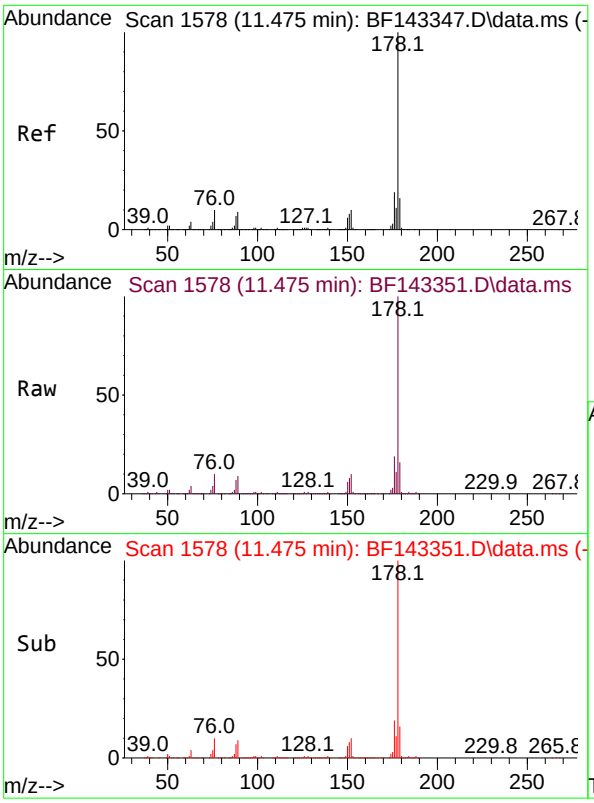


#70
Pentachlorophenol
Concen: 38.771 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:266 Resp: 108593

Ion	Ratio	Lower	Upper
266	100		
268	64.2	48.8	73.2
264	63.4	48.8	73.2



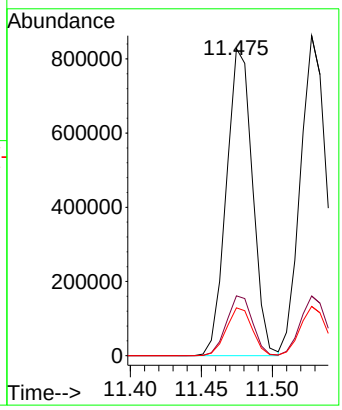


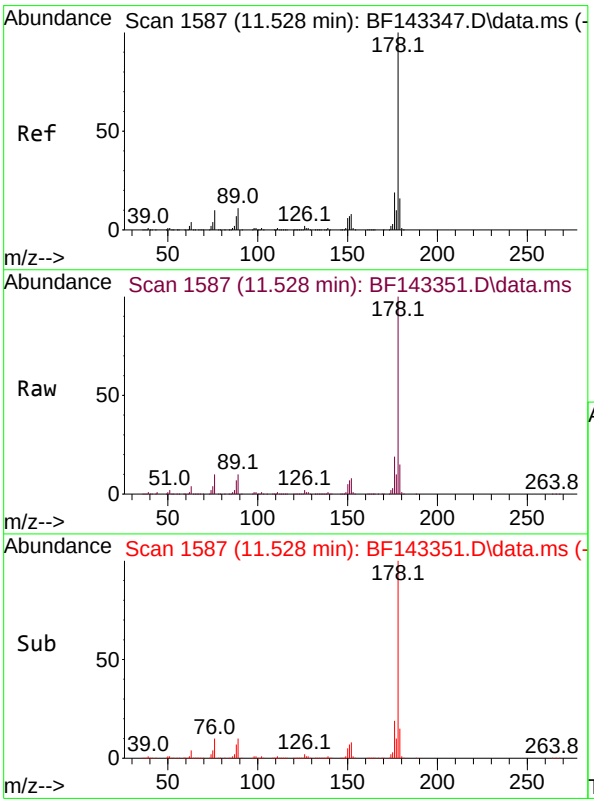
#71
Phenanthrene
Concen: 38.330 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:178 Resp: 1060892

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.5	12.5	18.7

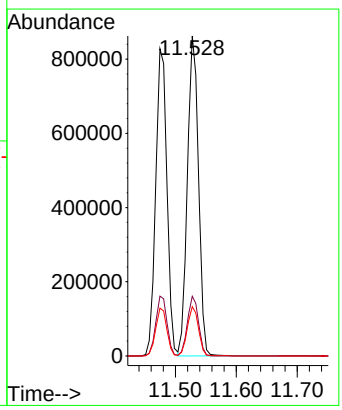


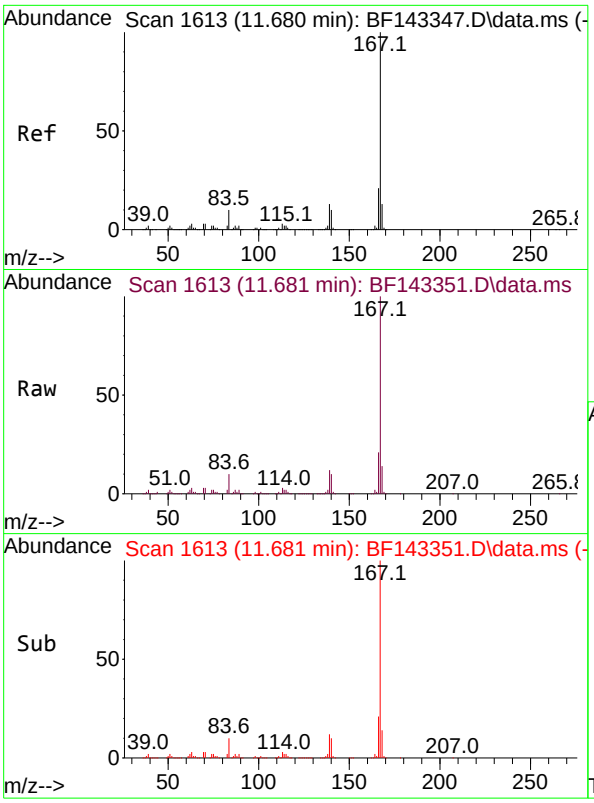


#72
Anthracene
Concen: 38.834 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:178 Resp: 1090047

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.7	19.1



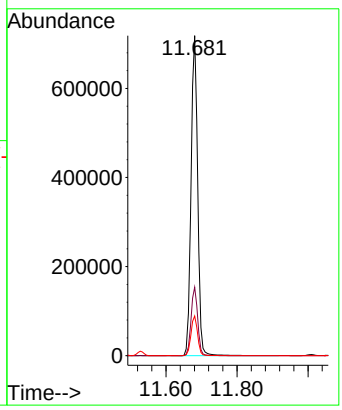


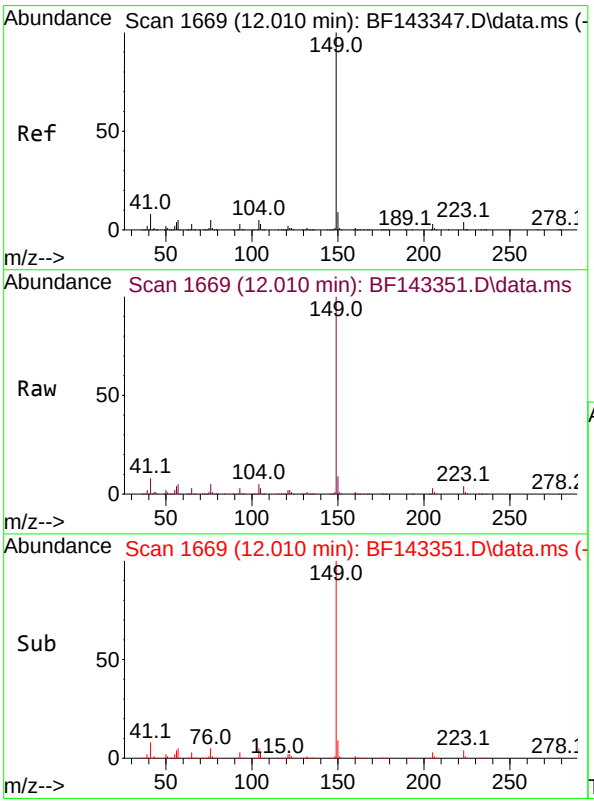
#73
Carbazole
Concen: 38.877 ng
RT: 11.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:167 Resp: 929366

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.8	25.2
139	12.4	10.2	15.2

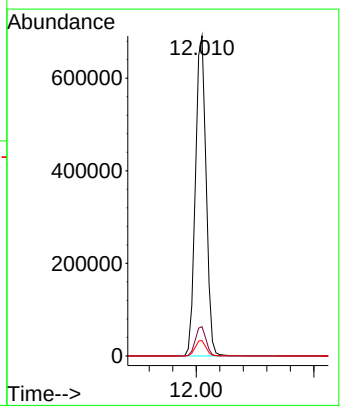


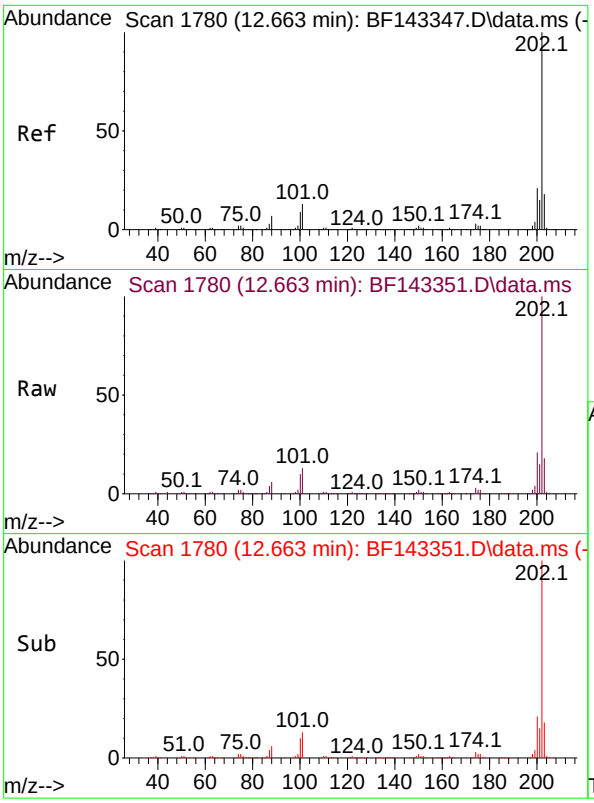


#74
Di-n-butylphthalate
Concen: 43.060 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 871054

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.8	3.8	5.8



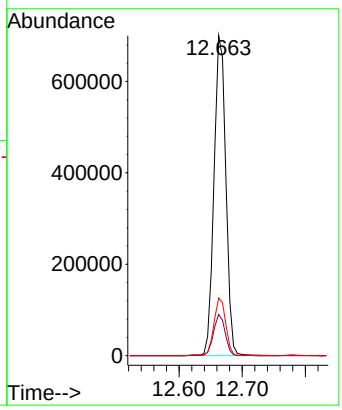


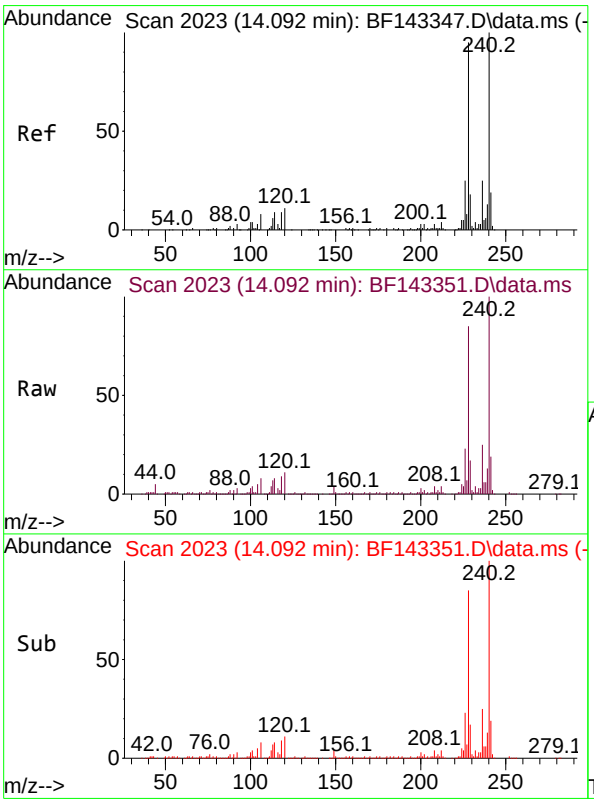
#75
Fluoranthene
Concen: 37.543 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:202 Resp: 910203

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.1	0.0	37.6

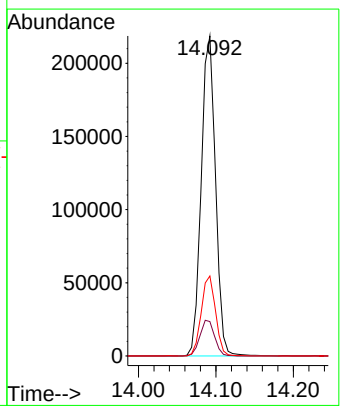


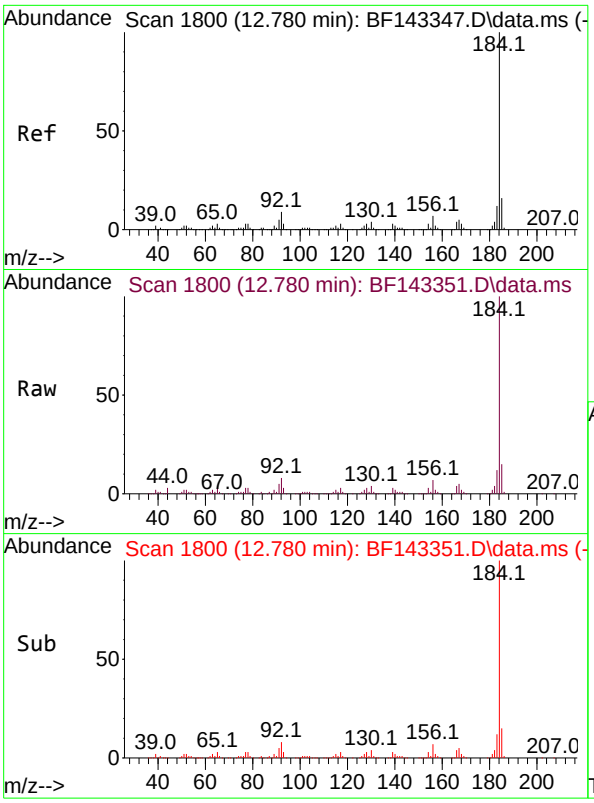


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:240 Resp: 280276

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.0	19.9	29.9



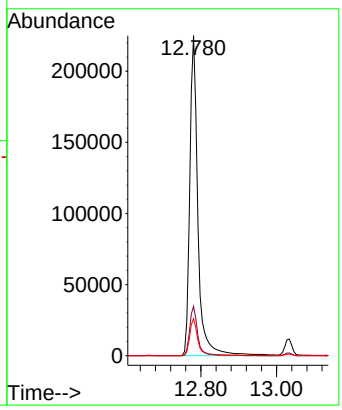


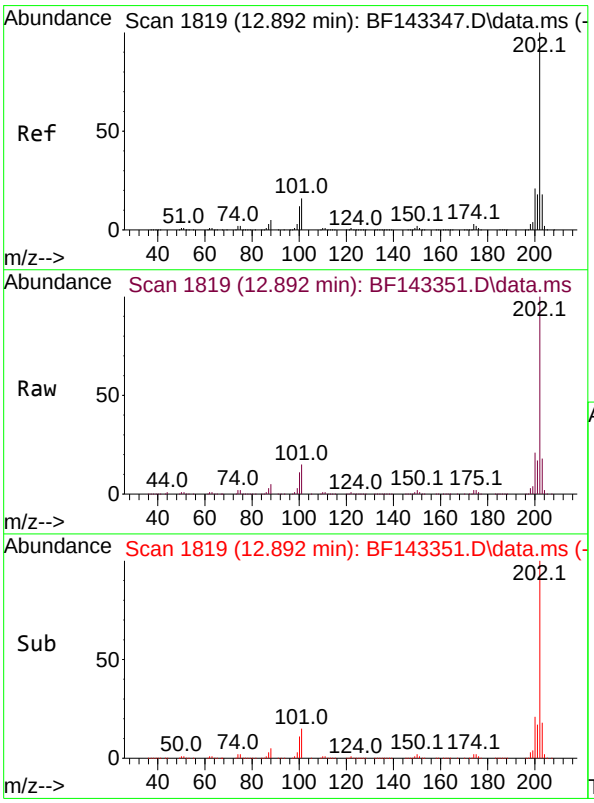
#77
Benzidine
Concen: 43.872 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:184 Resp: 336170

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.8	19.2
183	11.5	9.3	13.9

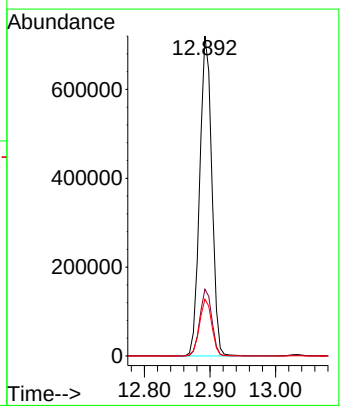


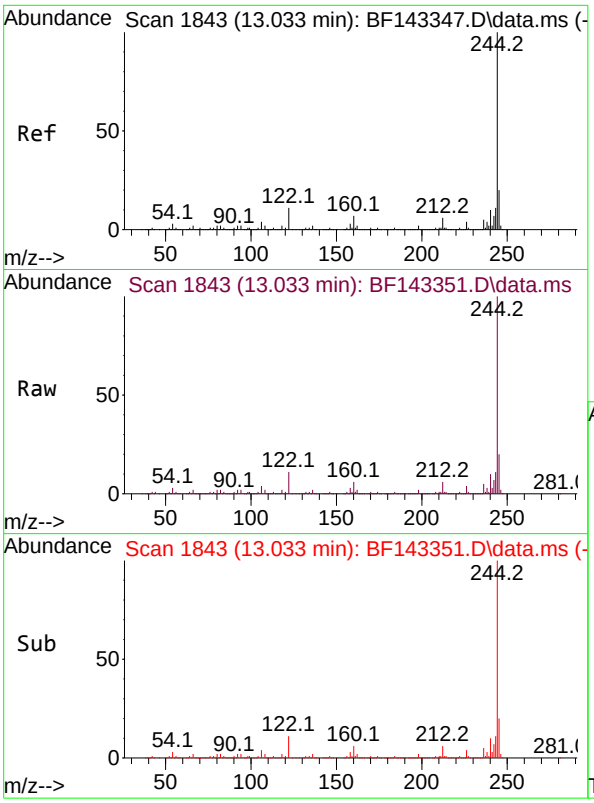


#78
Pyrene
Concen: 39.329 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:202 Resp: 924712

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.7	14.2	21.4



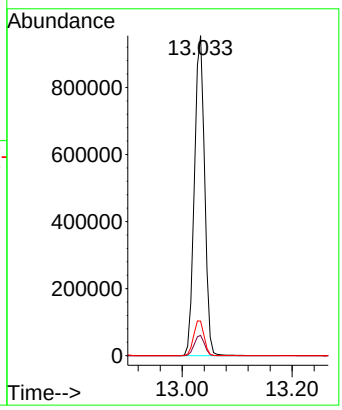


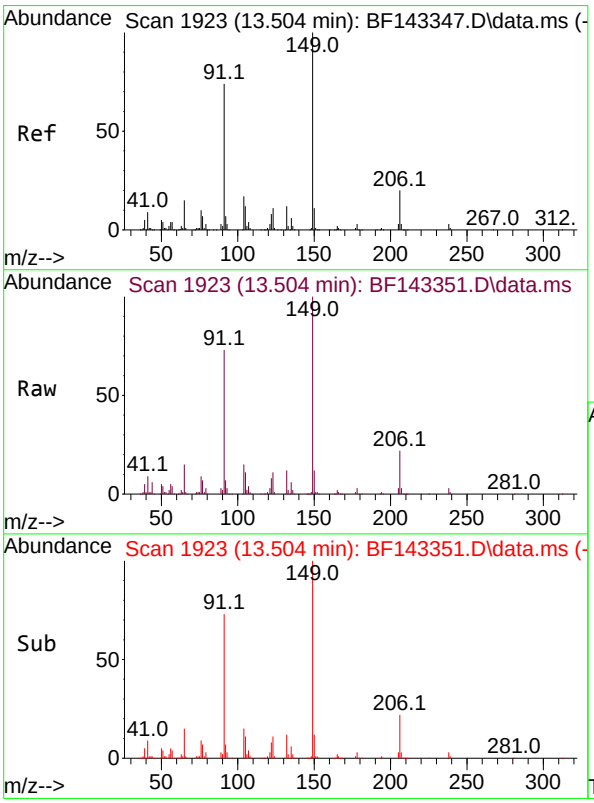
#79
Terphenyl-d14
Concen: 78.222 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:244 Resp: 1227991

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	10.8	8.9	13.3

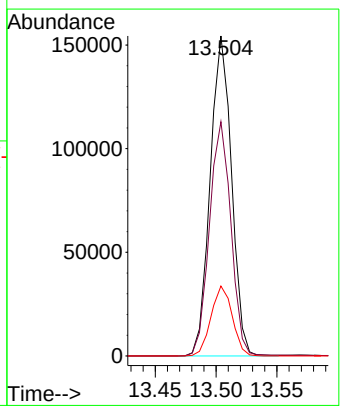


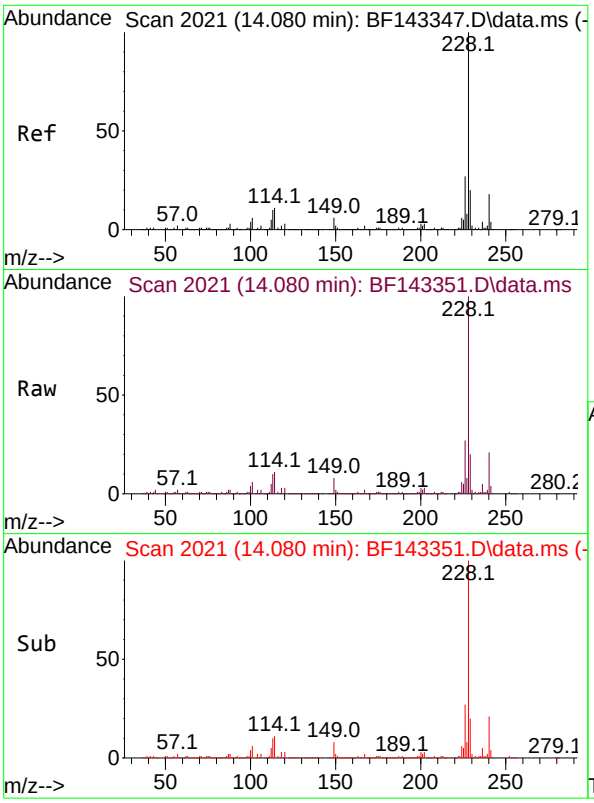


#80
Butylbenzylphthalate
Concen: 41.012 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 188120

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.8	88.2
206	21.8	16.4	24.6



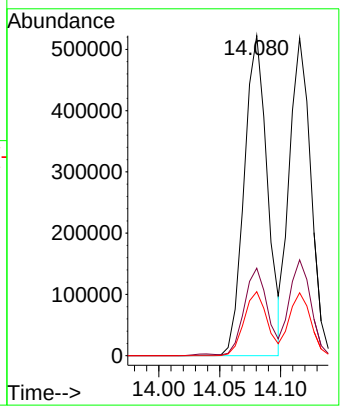


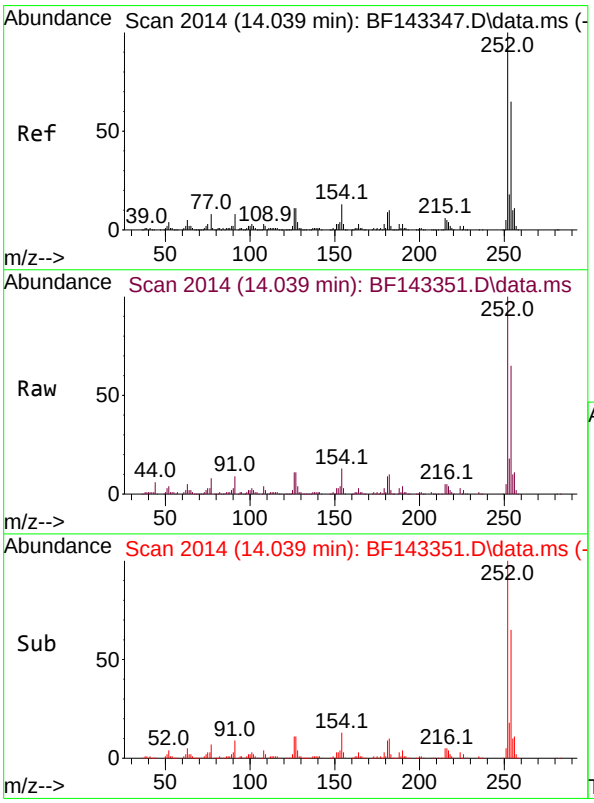
#81
Benzo(a)anthracene
Concen: 38.956 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:228 Resp: 693960

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.0	33.0
229	20.0	15.8	23.8

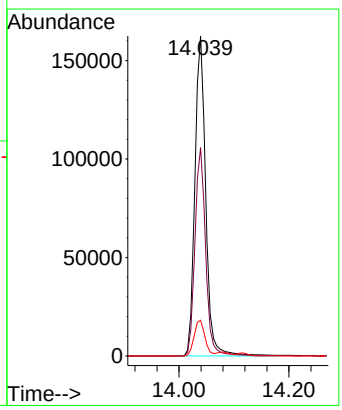


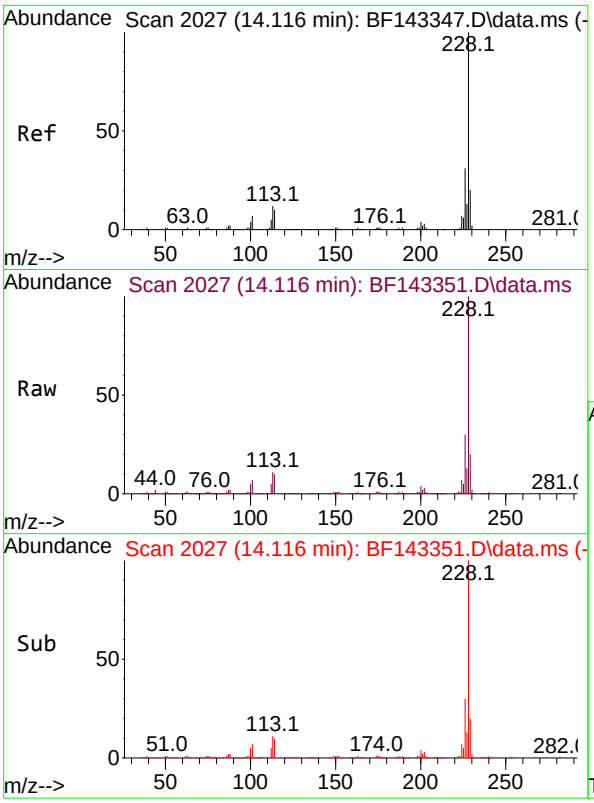


#82
3,3'-Dichlorobenzidine
Concen: 46.252 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 222482

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	11.2	9.2	13.8



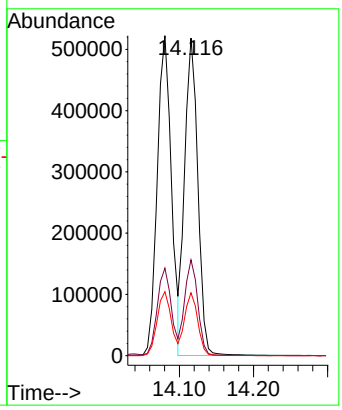


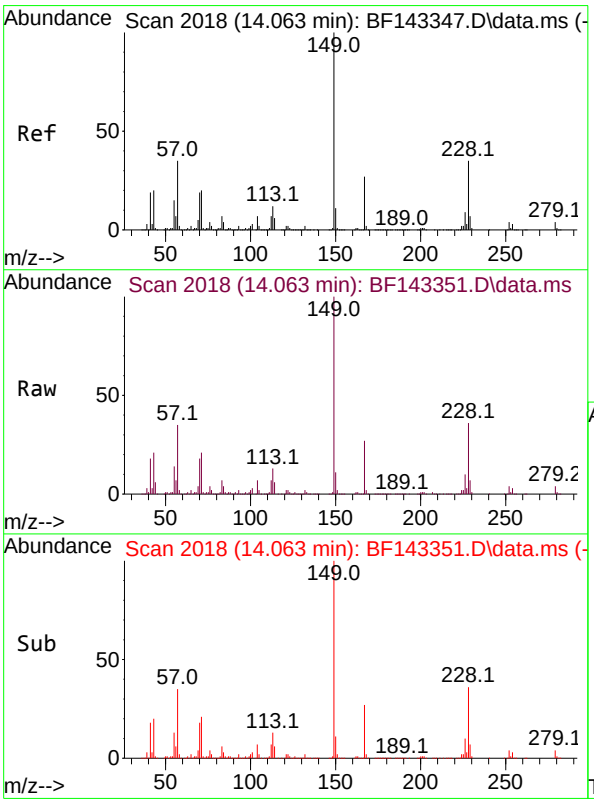
#83
Chrysene
Concen: 38.503 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:228 Resp: 639568

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.8	15.8	23.6

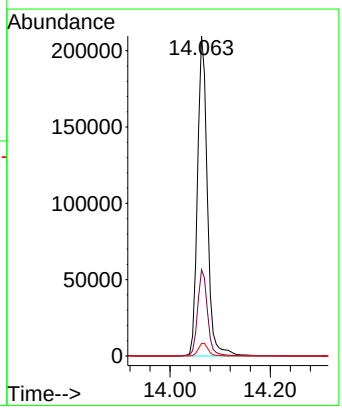


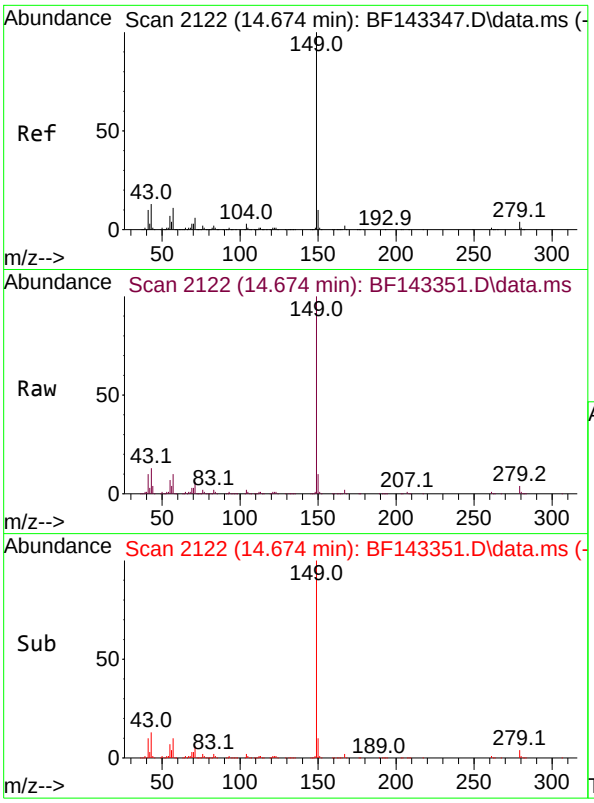


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.315 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 285665

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	3.9	3.2	4.8



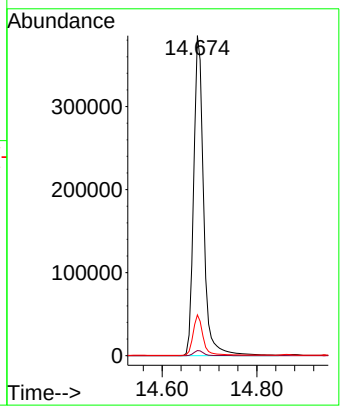


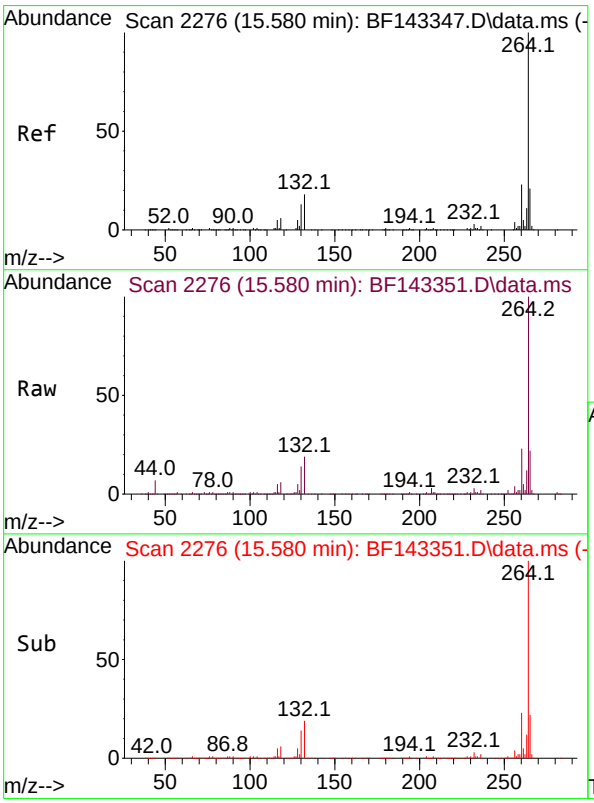
#85
Di-n-octyl phthalate
Concen: 42.219 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:149 Resp: 563193

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	10.8	16.2

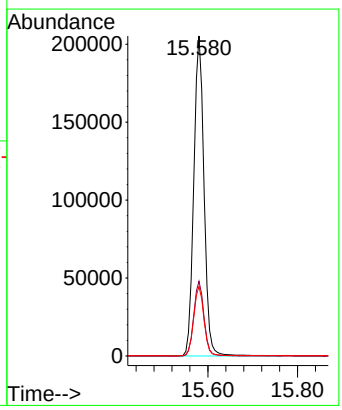


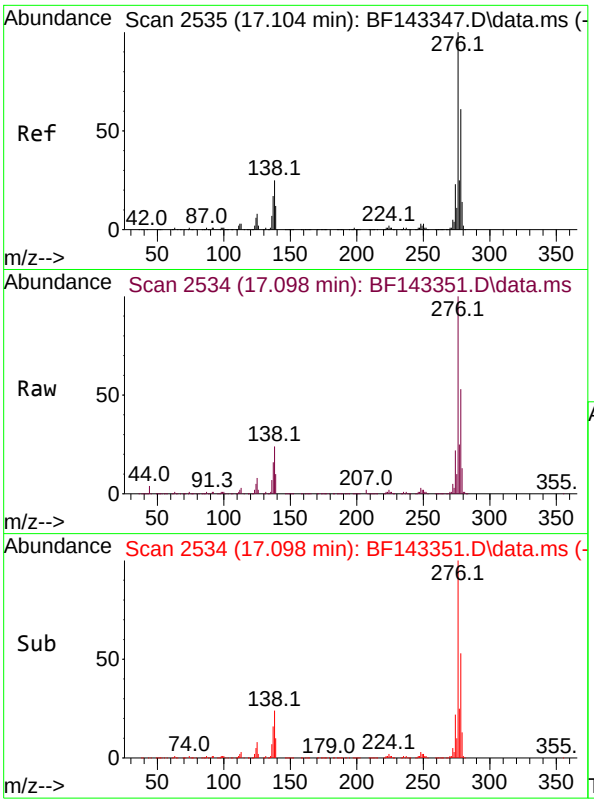


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:264 Resp: 324835

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.7	17.2	25.8



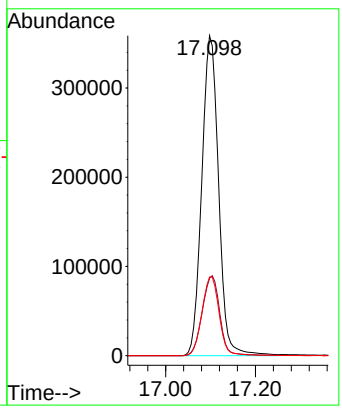


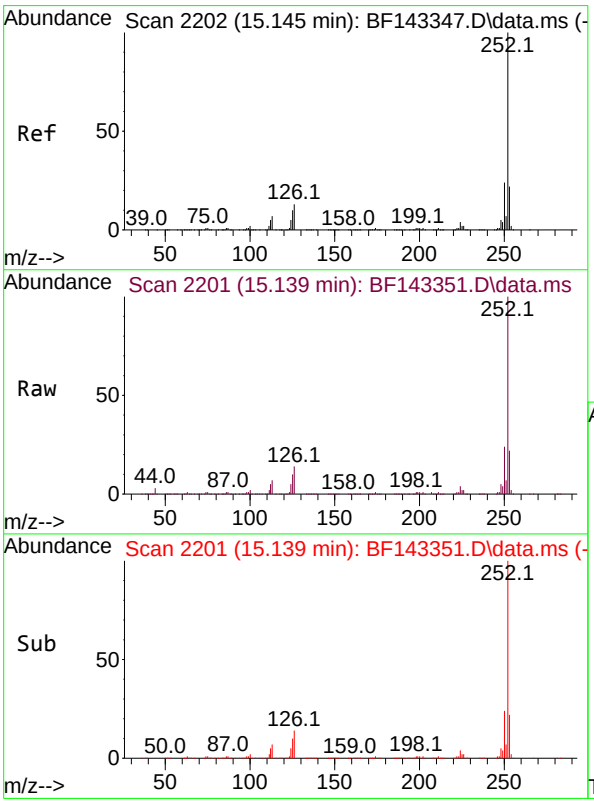
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.136 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:276 Resp: 934056

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.2	20.2	30.2

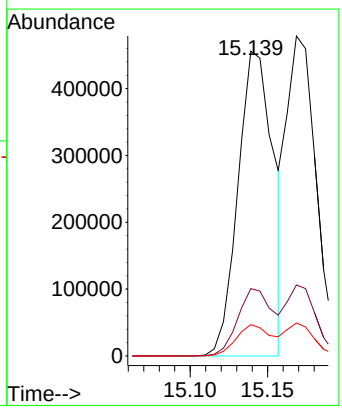


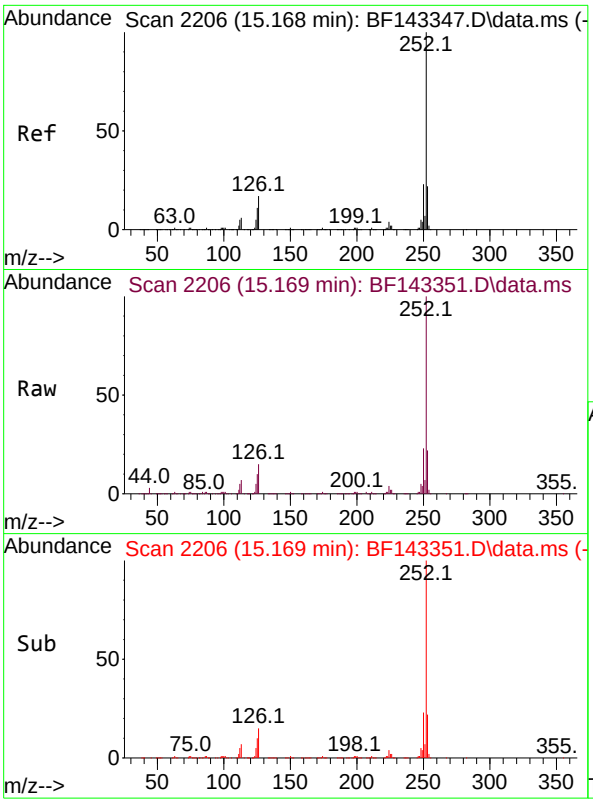


#88
Benzo(b)fluoranthene
Concen: 40.856 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 725882

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	7.8	11.6



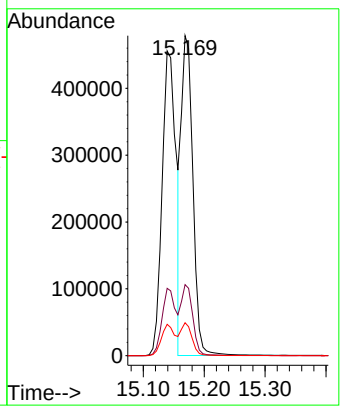


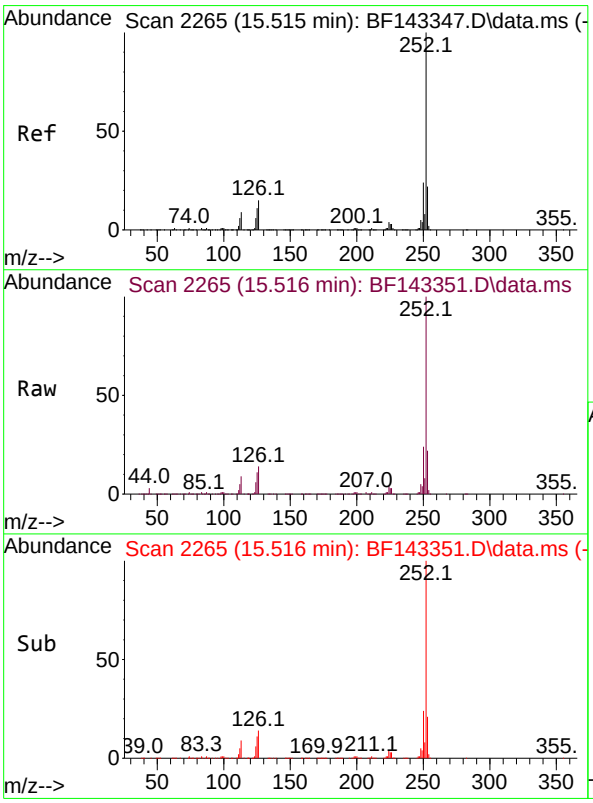
#89
Benzo(k)fluoranthene
Concen: 37.064 ng
RT: 15.169 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:252 Resp: 639883

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.4	12.6

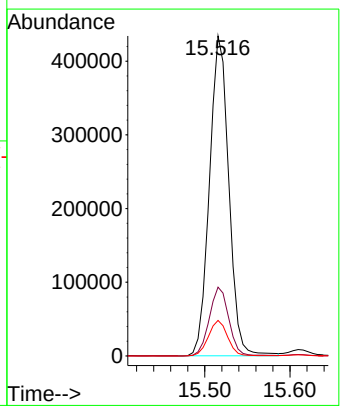


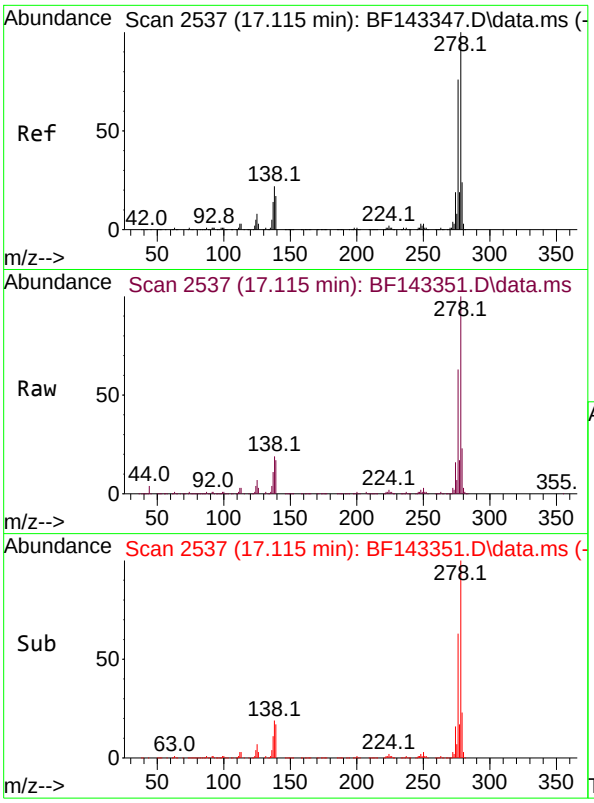


#90
Benzo(a)pyrene
Concen: 41.027 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 686526

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.1	9.1	13.7



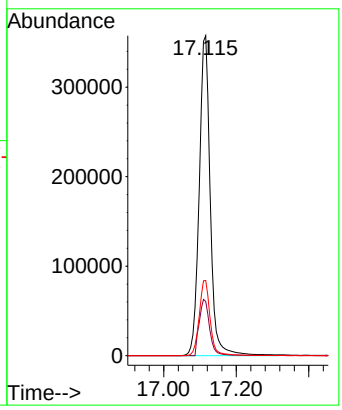


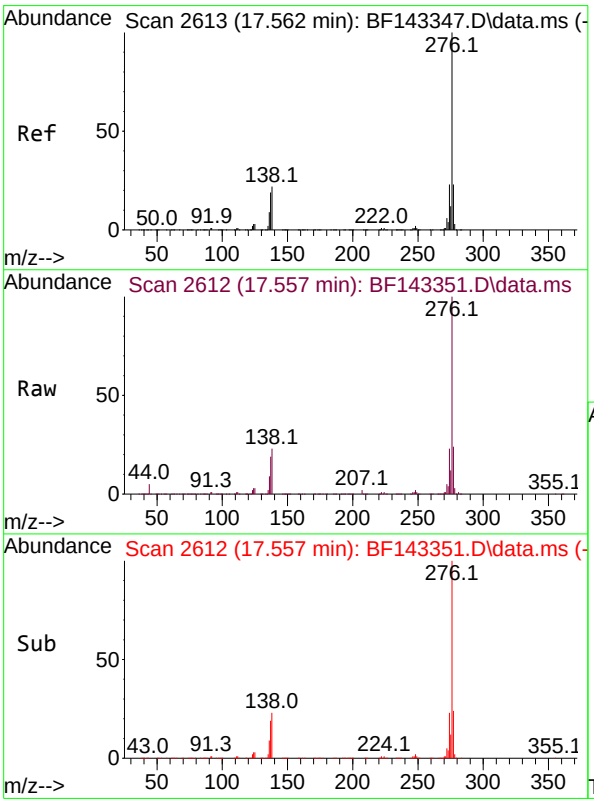
#91
Dibenzo(a,h)anthracene
Concen: 40.736 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:278 Resp: 757376

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.5	19.4	29.0

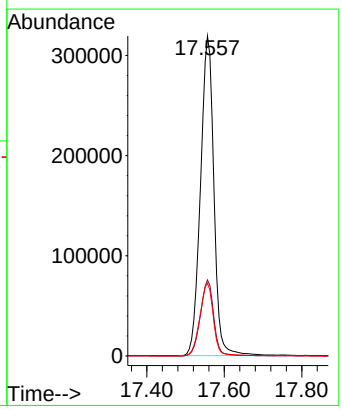




#92
Benzo(g,h,i)perylene
Concen: 41.001 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:276 Resp: 767923

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	22.8	17.8	26.8



Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2		1,4-Dioxane	0.598	0.557	6.9	91	0.00
3		Pyridine	1.595	1.545	3.1	93	0.00
4		n-Nitrosodimethylamine	0.743	0.769	-3.5	99	0.00
5	S	2-Fluorophenol	1.157	1.115	3.6	92	0.00
6		Aniline	2.091	2.122	-1.5	97	0.00
7	S	Phenol-d6	1.483	1.409	5.0	91	0.00
8		2-Chlorophenol	1.236	1.268	-2.6	98	0.00
9		Benzaldehyde	0.980	0.989	-0.9	95	0.00
10	C	Phenol	1.757	1.768	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	1.295	1.263	2.5	94	0.00
12		1,3-Dichlorobenzene	1.425	1.419	0.4	96	0.00
13	C	1,4-Dichlorobenzene	1.431	1.436	-0.3	99	0.00
14		1,2-Dichlorobenzene	1.358	1.371	-1.0	99	0.00
15		Benzyl Alcohol	1.063	1.125	-5.8	101	0.00
16		2,2'-oxybis(1-Chloropropane	2.312	2.300	0.5	97	0.00
17		2-Methylphenol	1.043	1.067	-2.3	98	0.00
18		Hexachloroethane	0.449	0.475	-5.8	100	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.915	0.1	98	0.00
20		3+4-Methylphenols	1.262	1.296	-2.7	98	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22		Acetophenone	0.441	0.440	0.2	99	0.00
23	S	Nitrobenzene-d5	0.321	0.334	-4.0	96	0.00
24		Nitrobenzene	0.349	0.357	-2.3	96	0.00
25		Isophorone	0.656	0.651	0.8	98	0.00
26	C	2-Nitrophenol	0.118	0.150	-27.1#	115	0.00
27		2,4-Dimethylphenol	0.274	0.304	-10.9	105	0.00
28		bis(2-Chloroethoxy)methane	0.400	0.397	0.8	97	0.00
29	C	2,4-Dichlorophenol	0.267	0.276	-3.4	97	0.00
30		1,2,4-Trichlorobenzene	0.282	0.289	-2.5	101	0.00
31		Naphthalene	0.962	0.923	4.1	95	0.00
32		Benzoic acid	0.110	0.124	-12.7	111	0.00
33		4-Chloroaniline	0.347	0.387	-11.5	109	0.00
34	C	Hexachlorobutadiene	0.175	0.173	1.1	95	0.00
35		Caprolactam	0.075	0.079	-5.3	97	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.285	-1.8	96	0.00
37		2-Methylnaphthalene	0.633	0.558	11.8	87	0.00
38		1-Methylnaphthalene	0.609	0.578	5.1	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.547	0.537	1.8	98	0.00
41	P	Hexachlorocyclopentadiene	0.158	0.237	-50.0#	140	0.00
42	S	2,4,6-Tribromophenol	0.146	0.155	-6.2	96	0.00
43	C	2,4,6-Trichlorophenol	0.311	0.333	-7.1	98	0.00
44		2,4,5-Trichlorophenol	0.351	0.362	-3.1	95	0.00
45	S	2-Fluorobiphenyl	1.179	1.093	7.3	95	0.00
46		1,1'-Biphenyl	1.414	1.372	3.0	97	0.00
47		2-Chloronaphthalene	1.114	1.061	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.284	0.336	-18.3	107	0.00
49		Acenaphthylene	1.608	1.709	-6.3	106	0.00
50		Dimethylphthalate	1.169	1.172	-0.3	98	0.00
51		2,6-Dinitrotoluene	0.193	0.248	-28.5#	115	0.00
52	C	Acenaphthene	1.069	1.013	5.2	95	0.00
53		3-Nitroaniline	0.239	0.285	-19.2	108	0.00
54	P	2,4-Dinitrophenol	0.065	0.082	-26.2#	123	0.00
55		Dibenzofuran	1.539	1.487	3.4	97	0.00
56	P	4-Nitrophenol	0.163	0.183	-12.3	104	0.00
57		2,4-Dinitrotoluene	0.256	0.317	-23.8	108	0.00
58		Fluorene	1.175	1.117	4.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.236	0.296	-25.4#	115	0.00
60		Diethylphthalate	1.047	1.055	-0.8	96	0.00
61		4-Chlorophenyl-phenylether	0.568	0.541	4.8	95	0.00
62		4-Nitroaniline	0.232	0.257	-10.8	102	0.00
63		Azobenzene	1.196	1.187	0.8	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	119	0.00
66	c	n-Nitrosodiphenylamine	0.659	0.650	1.4	97	0.00
67		4-Bromophenyl-phenylether	0.229	0.226	1.3	96	0.00
68		Hexachlorobenzene	0.247	0.237	4.0	95	0.00
69		Atrazine	0.172	0.176	-2.3	97	0.00
70	C	Pentachlorophenol	0.101	0.107	-5.9	97	0.00
71		Phenanthrene	1.091	1.046	4.1	95	0.00
72		Anthracene	1.107	1.074	3.0	97	0.00
73		Carbazole	0.942	0.916	2.8	96	0.00
74		Di-n-butylphthalate	0.798	0.859	-7.6	97	0.00
75	C	Fluoranthene	0.956	0.897	6.2	96	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.547	0.600	-9.7	98	0.00
78		Pyrene	1.678	1.650	1.7	96	0.00
79	S	Terphenyl-d14	1.120	1.095	2.2	97	0.00
80		Butylbenzylphthalate	0.284	0.336	-18.3	107	0.00
81		Benzo(a)anthracene	1.271	1.238	2.6	95	0.00
82		3,3'-Dichlorobenzidine	0.343	0.397	-15.7	105	0.00
83		Chrysene	1.185	1.141	3.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.403	0.510	-26.6#	112	0.00
85	c	Di-n-octyl phthalate	0.860	1.005	-16.9	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.438	-0.3	98	0.00
88		Benzo(b)fluoranthene	1.094	1.117	-2.1	99	0.00
89		Benzo(k)fluoranthene	1.063	0.985	7.3	94	0.00
90	C	Benzo(a)pyrene	1.030	1.057	-2.6	101	0.00
91		Dibenzo(a,h)anthracene	1.145	1.166	-1.8	99	0.00
92		Benzo(g,h,i)perylene	1.153	1.182	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	97	0.00
2		1,4-Dioxane	40.000	37.259	6.9	91	0.00
3		Pyridine	40.000	38.741	3.1	93	0.00
4		n-Nitrosodimethylamine	40.000	41.403	-3.5	99	0.00
5	S	2-Fluorophenol	80.000	77.155	3.6	92	0.00
6		Aniline	40.000	40.597	-1.5	97	0.00
7	S	Phenol-d6	80.000	75.986	5.0	91	0.00
8		2-Chlorophenol	40.000	41.033	-2.6	98	0.00
9		Benzaldehyde	40.000	40.346	-0.9	95	0.00
10	C	Phenol	40.000	40.258	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	40.000	39.024	2.4	94	0.00
12		1,3-Dichlorobenzene	40.000	39.813	0.5	96	0.00
13	C	1,4-Dichlorobenzene	40.000	40.160	-0.4	99	0.00
14		1,2-Dichlorobenzene	40.000	40.389	-1.0	99	0.00
15		Benzyl Alcohol	40.000	42.327	-5.8	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.787	0.5	97	0.00
17		2-Methylphenol	40.000	40.922	-2.3	98	0.00
18		Hexachloroethane	40.000	42.342	-5.9	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.940	0.2	98	0.00
20		3+4-Methylphenols	40.000	41.105	-2.8	98	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22		Acetophenone	40.000	39.985	0.0	99	0.00
23	S	Nitrobenzene-d5	80.000	83.164	-4.0	96	0.00
24		Nitrobenzene	40.000	40.919	-2.3	96	0.00
25		Isophorone	40.000	39.728	0.7	98	0.00
26	C	2-Nitrophenol	40.000	43.318	-8.3	115	0.00
27		2,4-Dimethylphenol	40.000	44.394	-11.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.714	0.7	97	0.00
29	C	2,4-Dichlorophenol	40.000	41.289	-3.2	97	0.00
30		1,2,4-Trichlorobenzene	40.000	41.017	-2.5	101	0.00
31		Naphthalene	40.000	38.372	4.1	95	0.00
32		Benzoic acid	40.000	43.285	-8.2	111	0.00
33		4-Chloroaniline	40.000	44.618	-11.5	109	0.00
34	C	Hexachlorobutadiene	40.000	39.366	1.6	95	0.00
35		Caprolactam	40.000	41.892	-4.7	97	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.717	-1.8	96	0.00
37		2-Methylnaphthalene	40.000	35.270	11.8	87	0.00
38		1-Methylnaphthalene	40.000	37.970	5.1	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.218	2.0	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	51.644	-29.1#	140	0.00
42	S	2,4,6-Tribromophenol	80.000	84.868	-6.1	96	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.843	-7.1	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.305	-3.3	95	0.00
45	S	2-Fluorobiphenyl	80.000	74.116	7.4	95	0.00
46		1,1'-Biphenyl	40.000	38.812	3.0	97	0.00
47		2-Chloronaphthalene	40.000	38.093	4.8	96	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.167	-5.4	107	0.00
49		Acenaphthylene	40.000	42.507	-6.3	106	0.00
50		Dimethylphthalate	40.000	40.126	-0.3	98	0.00
51		2,6-Dinitrotoluene	40.000	45.012	-12.5	115	0.00
52	C	Acenaphthene	40.000	37.893	5.3	95	0.00
53		3-Nitroaniline	40.000	47.593	-19.0	108	0.00
54	P	2,4-Dinitrophenol	40.000	45.910	-14.8	123	0.00
55		Dibenzofuran	40.000	38.652	3.4	97	0.00
56	P	4-Nitrophenol	40.000	41.060	-2.7	104	0.00
57		2,4-Dinitrotoluene	40.000	43.458	-8.6	108	0.00
58		Fluorene	40.000	38.022	4.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	50.091	-25.2#	115	0.00
60		Diethylphthalate	40.000	40.317	-0.8	96	0.00
61		4-Chlorophenyl-phenylether	40.000	38.123	4.7	95	0.00
62		4-Nitroaniline	40.000	44.317	-10.8	102	0.00
63		Azobenzene	40.000	39.721	0.7	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.535	-8.8	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.468	1.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.466	1.3	96	0.00
68		Hexachlorobenzene	40.000	38.460	3.8	95	0.00
69		Atrazine	40.000	40.936	-2.3	97	0.00
70	C	Pentachlorophenol	40.000	38.771	3.1	97	0.00
71		Phenanthrene	40.000	38.330	4.2	95	0.00
72		Anthracene	40.000	38.834	2.9	97	0.00
73		Carbazole	40.000	38.877	2.8	96	0.00
74		Di-n-butylphthalate	40.000	43.060	-7.7	97	0.00
75	C	Fluoranthene	40.000	37.543	6.1	96	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	43.872	-9.7	98	0.00
78		Pyrene	40.000	39.329	1.7	96	0.00
79	S	Terphenyl-d14	80.000	78.222	2.2	97	0.00
80		Butylbenzylphthalate	40.000	41.012	-2.5	107	0.00
81		Benzo(a)anthracene	40.000	38.956	2.6	95	0.00
82		3,3'-Dichlorobenzidine	40.000	46.252	-15.6	105	0.00
83		Chrysene	40.000	38.503	3.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.315	-5.8	112	0.00
85	c	Di-n-octyl phthalate	40.000	42.219	-5.5	109	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.136	-0.3	98	0.00
88		Benzo(b)fluoranthene	40.000	40.856	-2.1	99	0.00
89		Benzo(k)fluoranthene	40.000	37.064	7.3	94	0.00
90	C	Benzo(a)pyrene	40.000	41.027	-2.6	101	0.00
91		Dibenzo(a,h)anthracene	40.000	40.736	-1.8	99	0.00
92		Benzo(g,h,i)perylene	40.000	41.001	-2.5	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143477.D 5 =BF143478.D 10 =BF143479.D 20 =BF143480.D 40 =BF143481.D 50 =BF143482.D 60 =BF143483.D 80 =BF1434
84.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.528	0.529	0.539	0.536	0.519	0.542	0.522	0.531	1.62
3)		Pyridine		1.339	1.392	1.435	1.438	1.389	1.477	1.421	1.413	3.13
4)		n-Nitrosodimet...			0.604	0.619	0.641	0.633	0.666	0.648	0.635	3.44
5)	S	2-Fluorophenol		1.203	1.198	1.194	1.138	1.087	1.137	1.061	1.145	4.92
6)		Aniline		2.034	1.969	1.959	1.890	1.800	1.864	1.714	1.890	5.78
7)	S	Phenol-d6		1.536	1.460	1.471	1.407	1.342	1.384	1.299	1.414	5.76
8)		2-Chlorophenol		1.301	1.284	1.302	1.268	1.229	1.270	1.202	1.265	2.94
9)		Benzaldehyde			1.008	0.981	1.200	1.133	1.402		1.145	14.80
10)	C	Phenol		1.741	1.695	1.725	1.646	1.554	1.593	1.449	1.629	6.43
11)		bis(2-Chloroet...		1.296	1.230	1.235	1.213	1.170	1.221	1.156	1.217	3.78
12)		1,3-Dichlorobe...		1.558	1.451	1.466	1.414	1.345	1.399	1.317	1.421	5.65
13)	C	1,4-Dichlorobe...		1.531	1.487	1.483	1.411	1.355	1.409	1.304	1.426	5.62
14)		1,2-Dichlorobe...		1.448	1.413	1.386	1.348	1.289	1.333	1.233	1.350	5.45
15)		Benzyl Alcohol			1.037	1.063	1.083	1.040	1.088	1.041	1.059	2.14
16)		2,2'-oxybis(1-...		2.144	2.104	2.053	1.954	1.805	1.868	1.703	1.947	8.40
17)		2-Methylphenol		1.052	1.042	1.056	1.011	0.975	1.011	0.960	1.015	3.67
18)		Hexachloroethane		0.495	0.498	0.502	0.491	0.462	0.489	0.456	0.485	3.79
19)	P	n-Nitroso-di-n...	0.922	0.943	0.912	0.879	0.844	0.800	0.832	0.781	0.864	6.86
20)		3+4-Methylphenols			1.337	1.320	1.218	1.143	1.178	1.076	1.212	8.40
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.489	0.464	0.459	0.418	0.402	0.410	0.382	0.432	8.99
23)	S	Nitrobenzene-d5		0.354	0.345	0.357	0.344	0.335	0.340	0.325	0.343	3.18
24)		Nitrobenzene		0.353	0.351	0.366	0.356	0.348	0.358	0.337	0.353	2.55
25)		Isophorone		0.666	0.630	0.644	0.621	0.608	0.625	0.603	0.628	3.41
26)	C	2-Nitrophenol		0.162	0.165	0.177	0.177	0.175	0.180	0.173	0.173	3.76
27)		2,4-Dimethylph...		0.283	0.272	0.281	0.270	0.262	0.265	0.251	0.269	4.11
28)		bis(2-Chloroet...		0.409	0.399	0.401	0.386	0.371	0.379	0.357	0.386	4.74
29)	C	2,4-Dichloroph...		0.293	0.299	0.303	0.288	0.281	0.283	0.266	0.288	4.30
30)		1,2,4-Trichlor...		0.318	0.300	0.314	0.292	0.282	0.291	0.274	0.296	5.46
31)		Naphthalene		1.069	1.009	1.014	0.943	0.907	0.921	0.859	0.960	7.58
32)		Benzoic acid			0.086	0.116	0.145	0.153	0.163	0.160	0.137	21.97
33)		4-Chloroaniline		0.359	0.345	0.362	0.343	0.331	0.330	0.315	0.341	4.87
34)	C	Hexachlorobuta...		0.207	0.199	0.201	0.192	0.186	0.190	0.177	0.193	5.21
35)		Caprolactam			0.063	0.068	0.071	0.071	0.070	0.072	0.069	4.96
36)	C	4-Chloro-3-met...		0.303	0.292	0.303	0.287	0.280	0.284	0.269	0.288	4.25
37)		2-Methylnaphth...		0.716	0.684	0.684	0.633	0.600	0.610	0.562	0.641	8.62
38)		1-Methylnaphth...		0.692	0.651	0.650	0.603	0.577	0.581	0.540	0.613	8.62

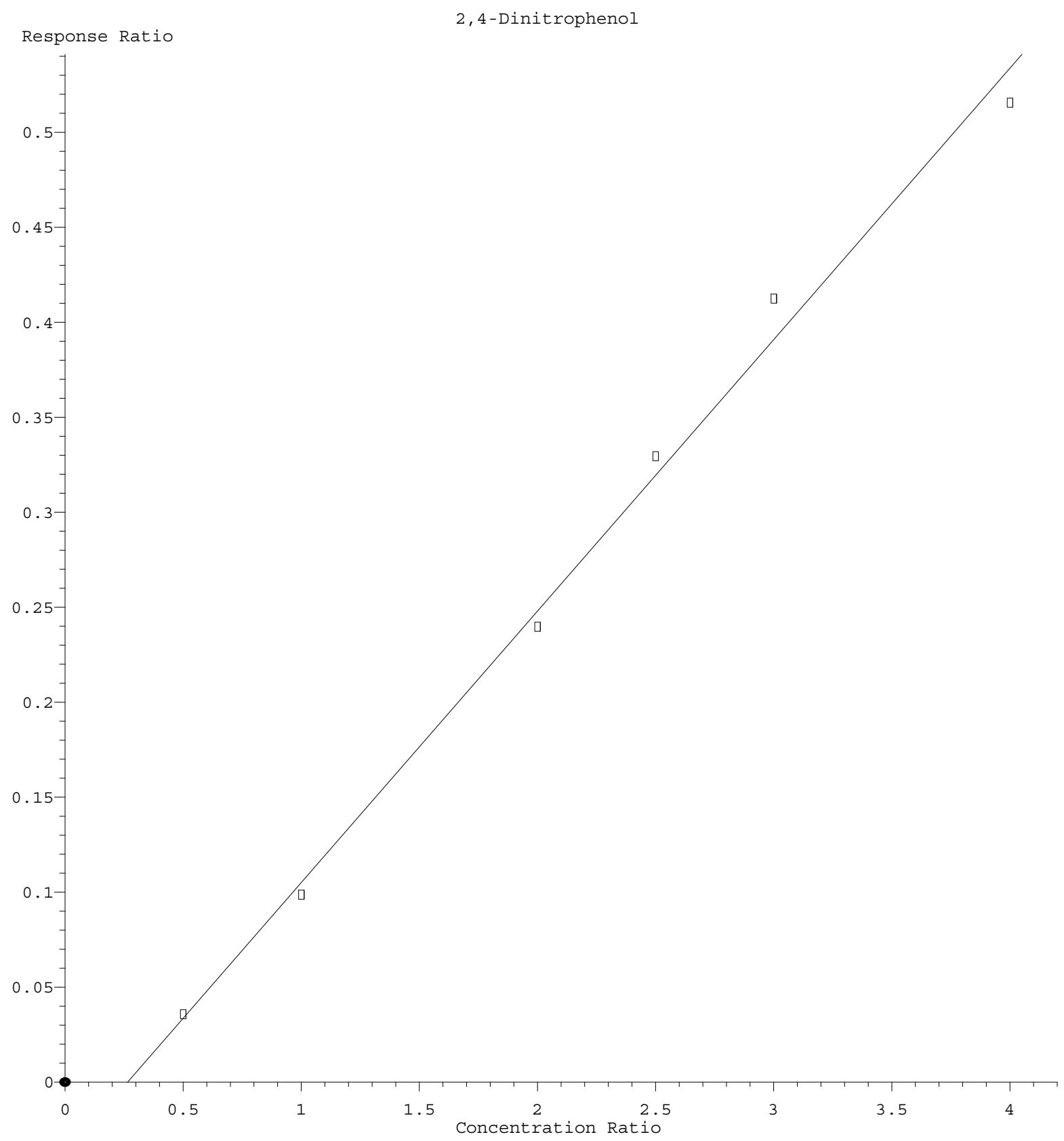
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.629	0.584	0.613	0.565	0.544	0.552	0.517	0.572	6.88
41)	P	Hexachlorocycl...		0.098	0.153	0.198	0.205	0.226	0.222	0.184	26.99
42)	S	2,4,6-Tribromo...	0.191	0.188	0.194	0.188	0.181	0.184	0.177	0.186	3.12
43)	C	2,4,6-Trichlor...	0.338	0.347	0.364	0.364	0.351	0.360	0.339	0.352	3.18
44)		2,4,5-Trichlor...	0.391	0.376	0.413	0.382	0.377	0.387	0.365	0.385	3.94
45)	S	2-Fluorobiphenyl	1.445	1.336	1.323	1.156	1.106	1.106	0.999	1.210	13.20
46)		1,1'-Biphenyl	1.582	1.505	1.519	1.399	1.335	1.349	1.247	1.420	8.43
47)		2-Chloronaphth...	1.222	1.165	1.172	1.105	1.056	1.068	1.008	1.114	6.77
48)		2-Nitroaniline	0.314	0.313	0.338	0.337	0.329	0.331	0.320	0.326	3.19
49)		Acenaphthylene	1.747	1.663	1.687	1.580	1.516	1.533	1.437	1.595	6.85
50)		Dimethylphthalate	1.293	1.219	1.252	1.201	1.159	1.175	1.133	1.205	4.58
51)		2,6-Dinitrotol...	0.224	0.237	0.259	0.259	0.260	0.257	0.251	0.250	5.63
52)	C	Acenaphthene	1.170	1.131	1.137	1.076	1.037	1.044	0.985	1.083	6.07
53)		3-Nitroaniline	0.260	0.257	0.280	0.278	0.273	0.271	0.269	0.270	3.21
54)	P	2,4-Dinitrophenol		0.072	0.099	0.120	0.132	0.137	0.129	0.115	21.92
55)		Dibenzofuran	1.717	1.625	1.647	1.523	1.461	1.453	1.381	1.544	7.91
56)	P	4-Nitrophenol		0.115	0.147	0.171	0.177	0.172	0.181	0.161	15.78
57)		2,4-Dinitrotol...	0.292	0.318	0.349	0.351	0.344	0.344	0.336	0.333	6.38
58)		Fluorene	1.367	1.286	1.270	1.158	1.111	1.102	1.025	1.188	10.25
59)		2,3,4,6-Tetrac...	0.261	0.264	0.299	0.297	0.294	0.297	0.288	0.286	5.59
60)		Diethylphthalate	1.172	1.097	1.110	1.084	1.053	1.036	1.008	1.080	5.01
61)		4-Chlorophenyl...	0.671	0.624	0.628	0.585	0.558	0.567	0.527	0.594	8.30
62)		4-Nitroaniline	0.230	0.237	0.258	0.257	0.255	0.248	0.250	0.248	4.28
63)		Azobenzene	1.221	1.154	1.177	1.122	1.080	1.067	1.018	1.120	6.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.103	0.119	0.120	0.124	0.126	0.113	13.97
66)	c	n-Nitrosodiphe...	0.684	0.661	0.679	0.641	0.615	0.636	0.590	0.644	5.29
67)		4-Bromophenyl-...	0.243	0.240	0.250	0.241	0.230	0.240	0.227	0.239	3.35
68)		Hexachlorobenzene	0.266	0.262	0.267	0.257	0.248	0.256	0.243	0.257	3.53
69)		Atrazine	0.154	0.156	0.164	0.168	0.171	0.174	0.176	0.166	5.09
70)	C	Pentachlorophenol		0.088	0.106	0.124	0.127	0.131	0.131	0.118	14.47
71)		Phenanthrene	1.188	1.123	1.130	1.039	1.015	1.033	0.969	1.071	7.23
72)		Anthracene	1.191	1.144	1.148	1.074	1.022	1.036	0.980	1.085	7.16
73)		Carbazole	0.949	0.925	0.932	0.882	0.849	0.861	0.825	0.889	5.30
74)		Di-n-butylphth...	0.782	0.800	0.830	0.850	0.833	0.857	0.855	0.829	3.47
75)	C	Fluoranthene	1.061	1.020	1.002	0.946	0.914	0.923	0.862	0.961	7.21
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.611	0.665	0.516	0.391	0.368	0.372	0.487	26.70
78)		Pyrene	1.891	1.768	1.793	1.635	1.590	1.512	1.327	1.645	11.63
79)	S	Terphenyl-d14	1.341	1.255	1.248	1.130	1.094	1.052	0.904	1.146	12.86
80)		Butylbenzylpht...	0.380	0.402	0.443	0.467	0.461	0.509	0.485	0.449	10.15
81)		Benzo(a)anthra...	1.302	1.274	1.300	1.318	1.266	1.316	1.237	1.288	2.30
82)		3,3'-Dichlorob...		0.353	0.386	0.373	0.354	0.377	0.370	0.369	3.60
83)		Chrysene	1.251	1.195	1.213	1.113	1.089	1.125	1.114	1.157	5.33
84)		Bis(2-ethylhex...	0.600	0.626	0.699	0.710	0.690	0.767	0.700	0.685	8.12
85)	c	Di-n-octyl pht...		1.129	1.289	1.298	1.251	1.413	1.228	1.268	7.36

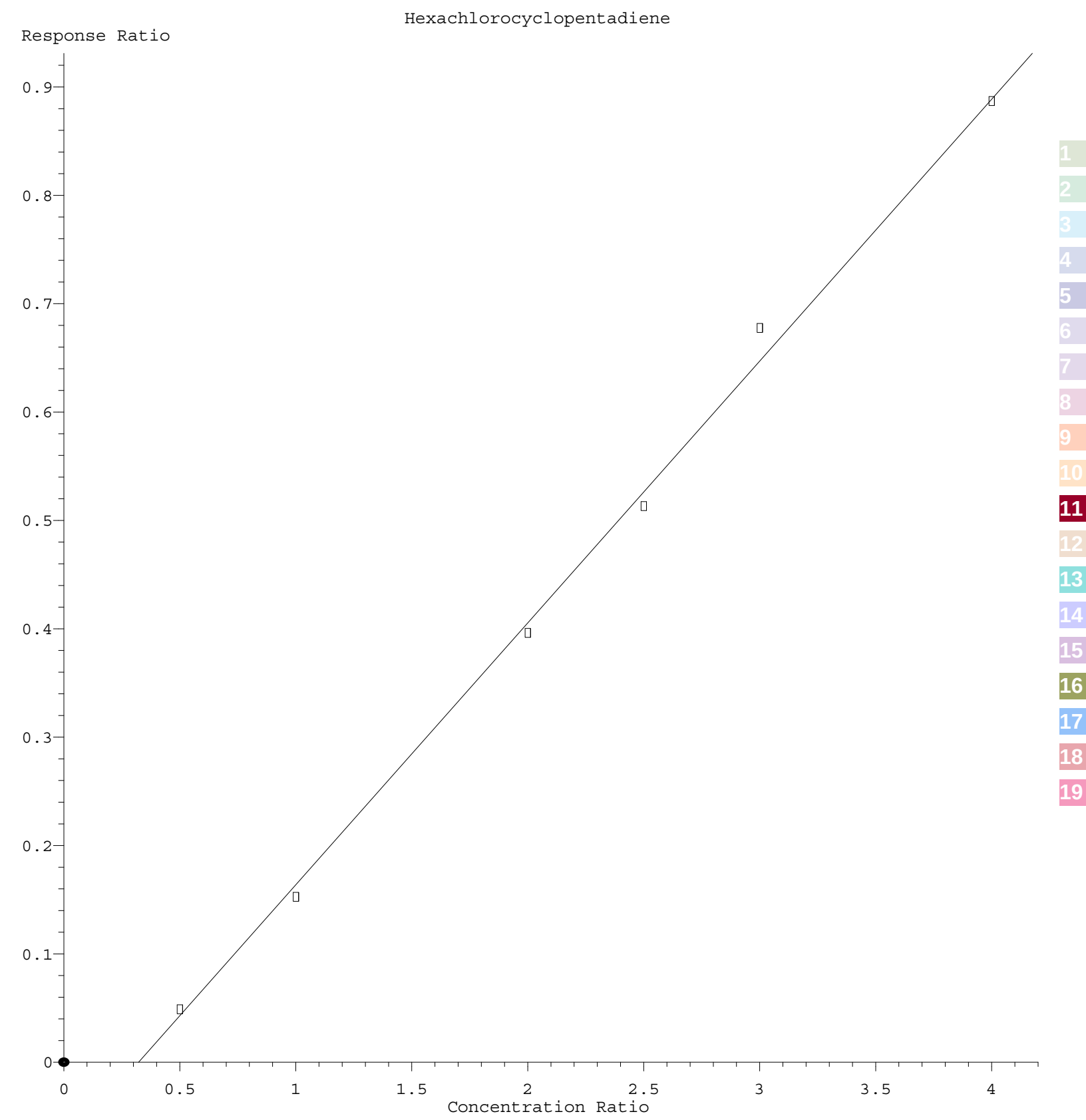
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.425	1.433	1.565	1.449	1.427	1.466	1.295	1.437	5.51
88)		Benzo(b)fluora...	1.135	1.147	1.182	1.074	1.058	1.068	1.119	1.112	4.20
89)		Benzo(k)fluora...	1.157	1.014	1.056	1.081	1.034	1.104	1.005	1.064	5.10
90)	C	Benzo(a)pyrene	1.033	1.021	1.074	1.032	1.010	1.043	1.011	1.032	2.15
91)		Dibenzo(a,h)an...	1.139	1.164	1.260	1.162	1.142	1.168	1.023	1.151	6.04
92)		Benzo(g,h,i)pe...	1.128	1.129	1.242	1.156	1.145	1.172	1.039	1.145	5.30

(#) = Out of Range



Response = 1.430e-001 * Amt - 3.784e-002
Coef of Det (r^2) = 0.996445 Curve Fit: wlr(1/a)
Method: Q:\820-SVOC-TCL\BNA-20\HPCHEM1\BNA F\Methods\8270-BF082025.M
Calibration Table Last Updated: Thu Aug 21 06:12:21 2025



Response = 2.418e-001 * Amt - 7.792e-002
Coef of Det (r^2) = 0.997891 Curve Fit: wlr(1/a)
Method: C:\HPCHEM\1\DATA\2025\HPCHEM1\BNA F\Methods\8270-BF082025.M
Calibration Table Last Updated: Thu Aug 21 06:12:21 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

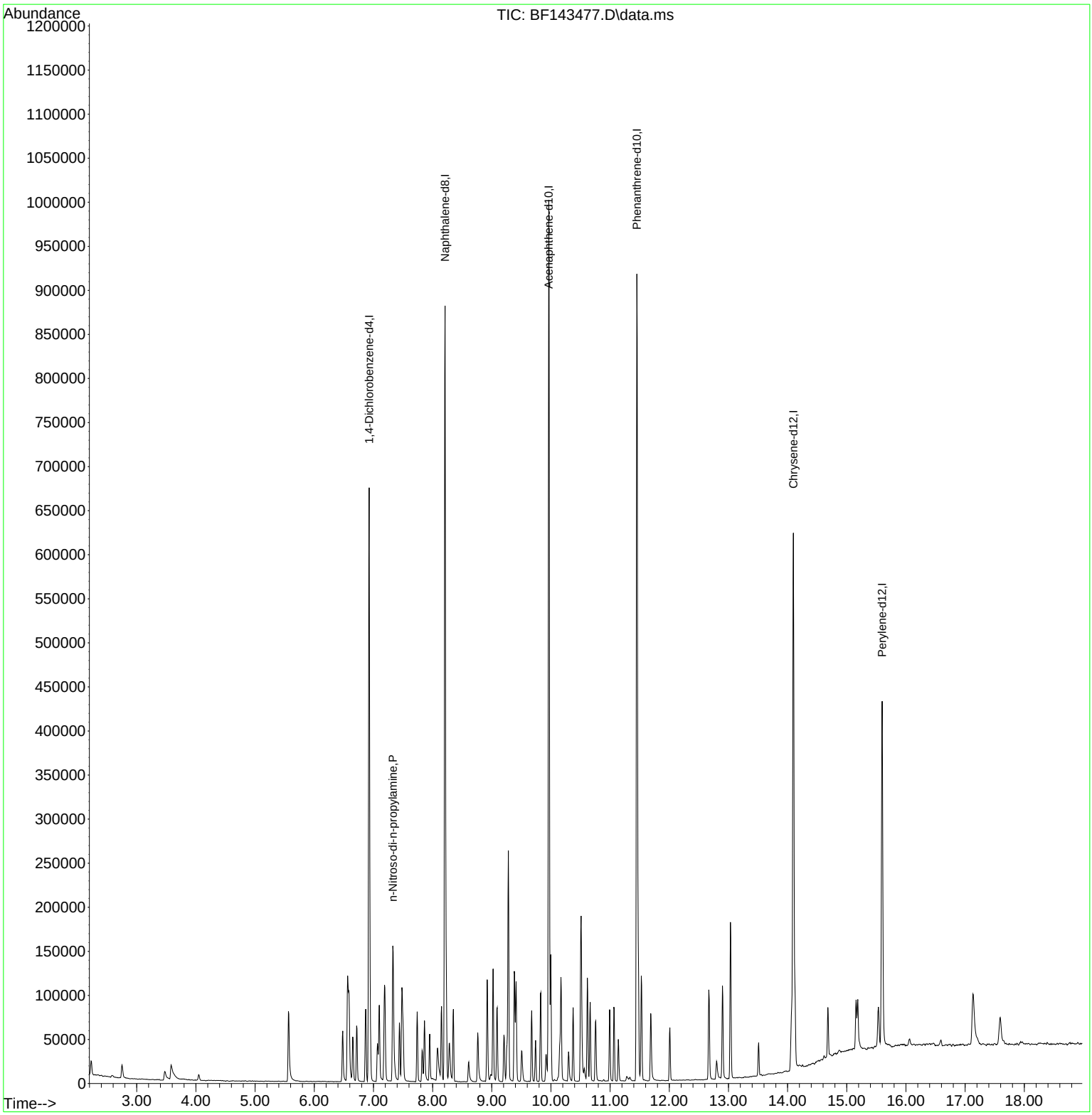
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	139562	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	543954	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	302590	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	471116	20.000	ng	0.00
76) Chrysene-d12	14.098	240	283668	20.000	ng	0.00
86) Perylene-d12	15.598	264	247340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.328	70	16082	2.667	ng	96

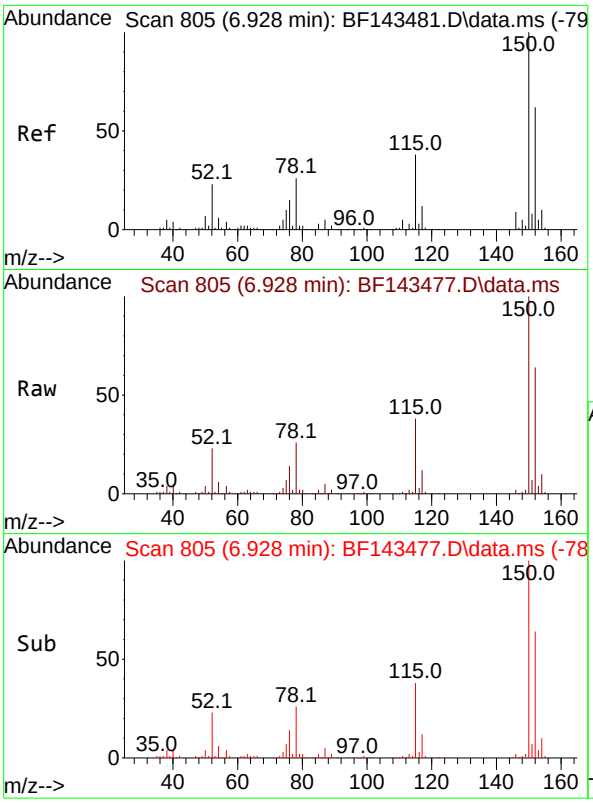
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143477.D
Acq On : 20 Aug 2025 10:55
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 20 16:19:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



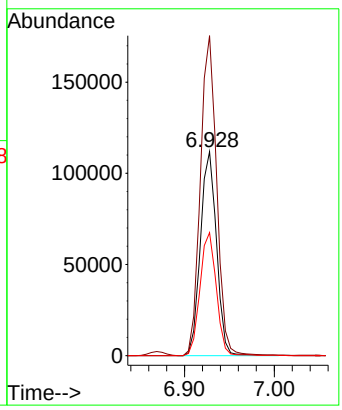


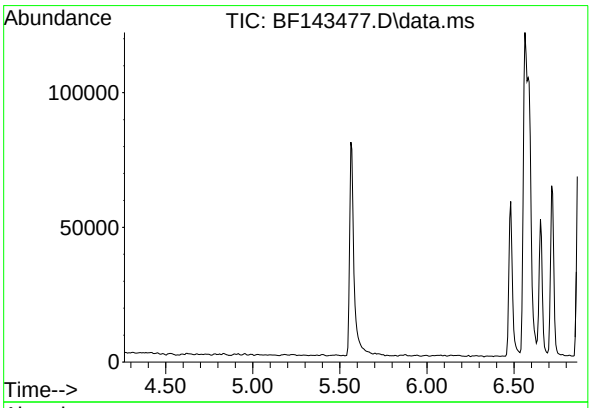
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 139562

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.9	193.3
115	60.4	49.2	73.8



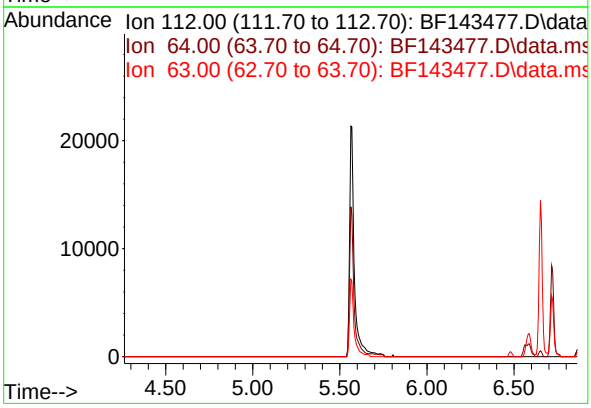


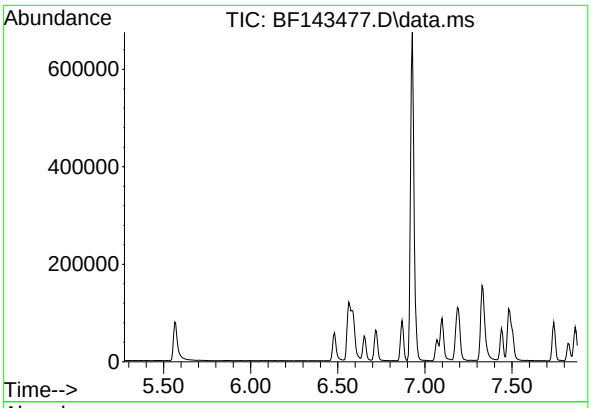
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	63.0
63	33.0





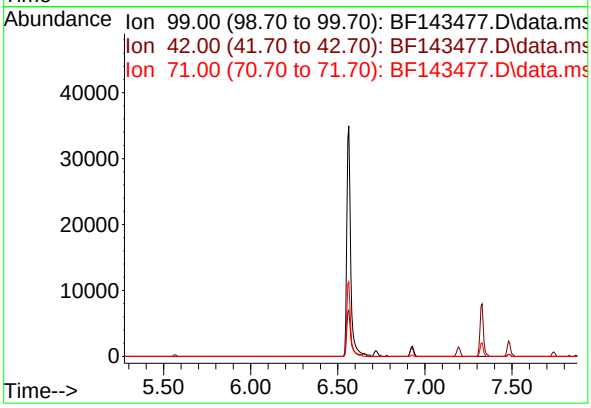
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.57 min

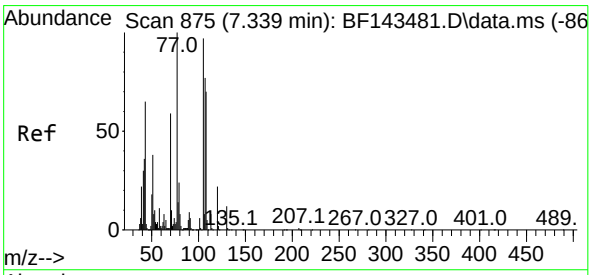
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

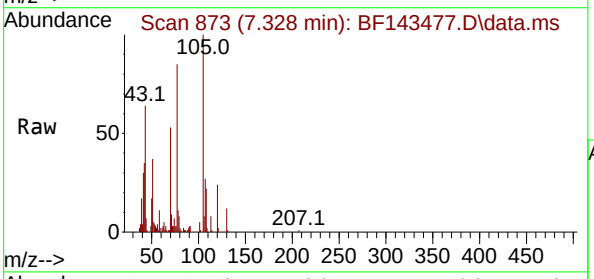
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

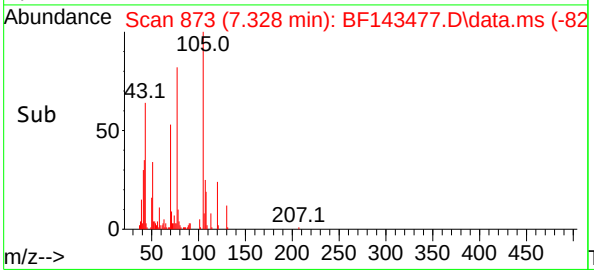
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.4
71	35.2





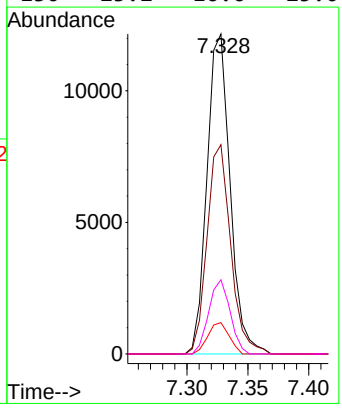


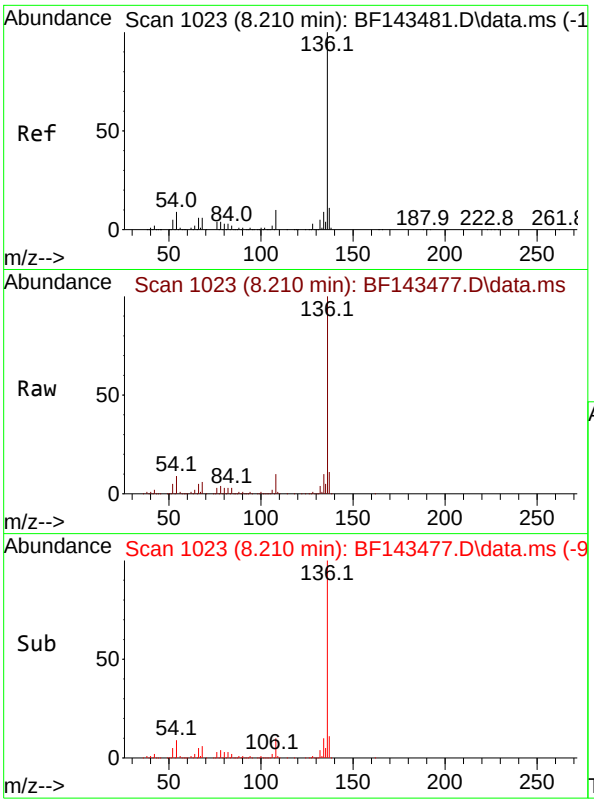


#19
n-Nitroso-di-n-propylamine
Concen: 2.667 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.023 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 70 Resp: 16082

Ion	Ratio	Lower	Upper
70	100		
42	65.4	49.3	73.9
101	9.8	7.8	11.8
130	23.2	16.6	25.0



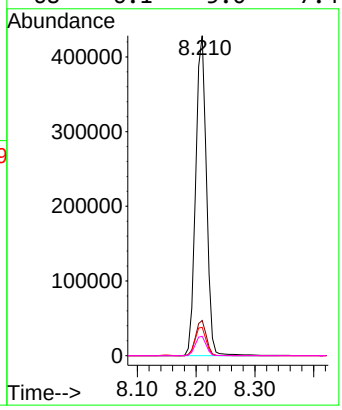


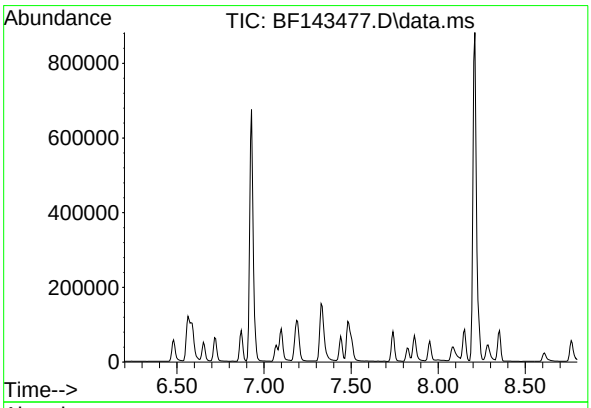
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 543954

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.9	7.4	11.2
68	6.1	5.0	7.4



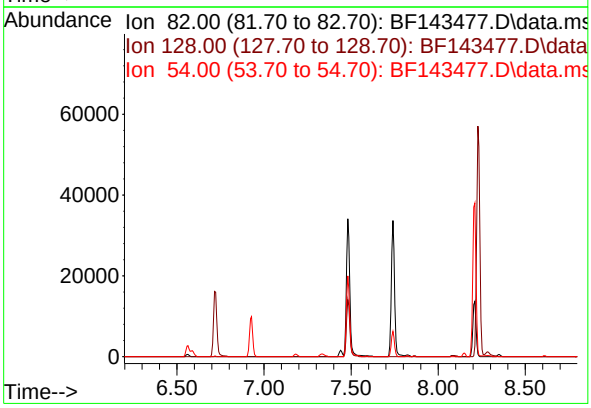


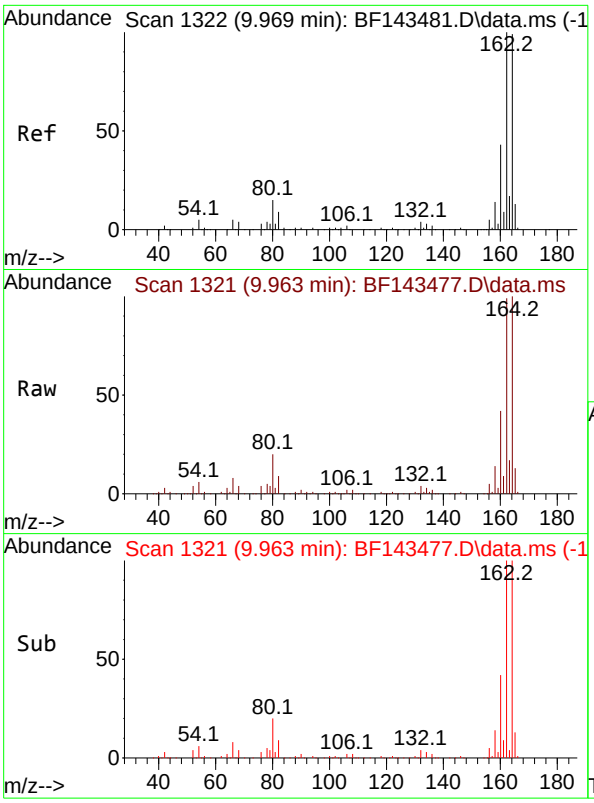
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.50 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.4
54	55.4



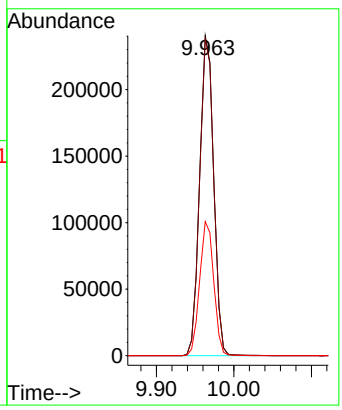


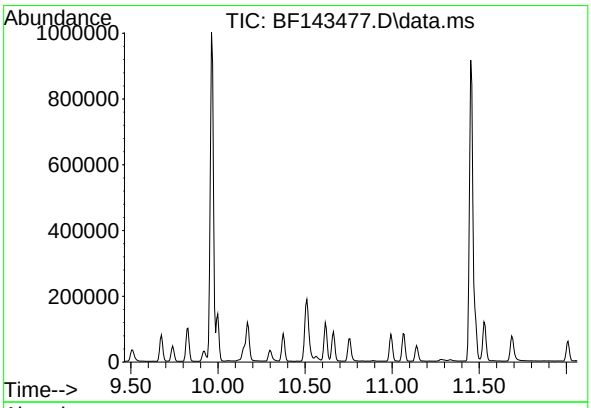
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 302590

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.5	120.7
160	41.9	34.3	51.5



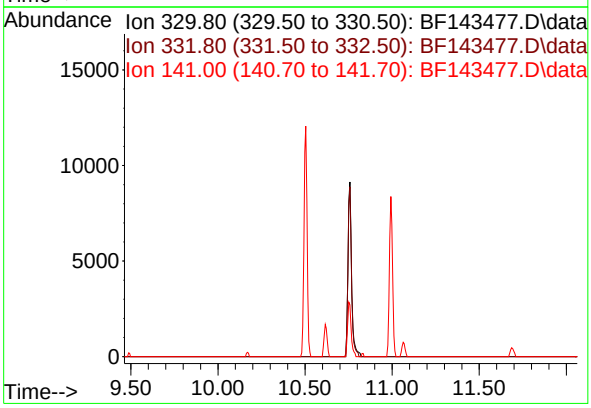


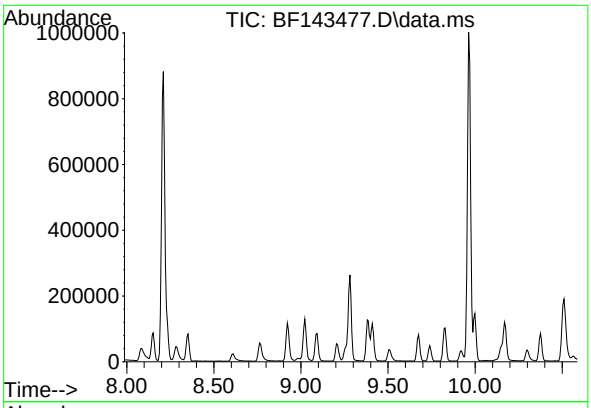
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.76 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	29.6





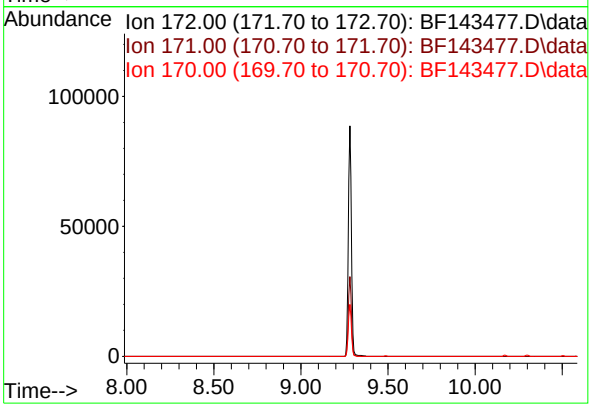
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.29 min

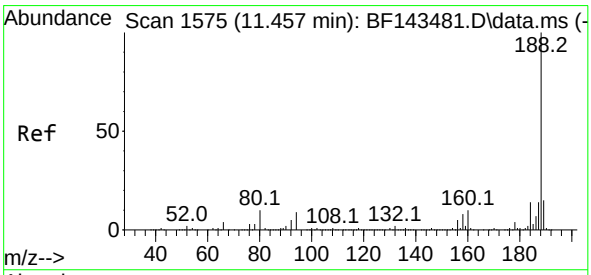
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

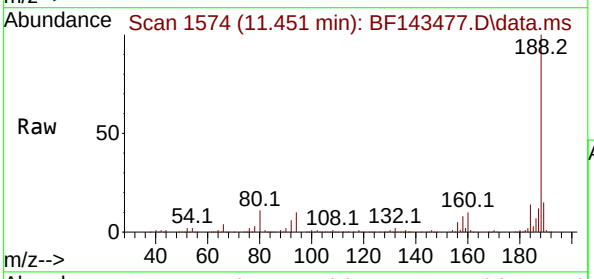
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

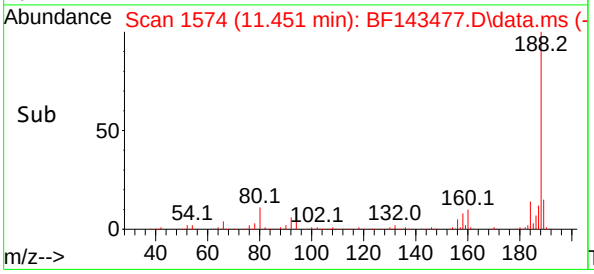
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.0
170	23.5





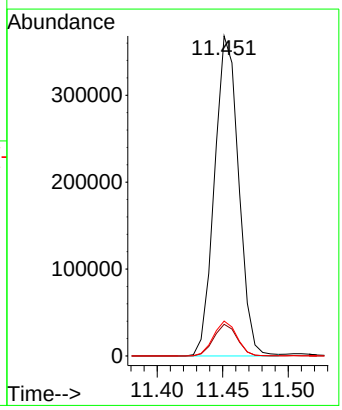


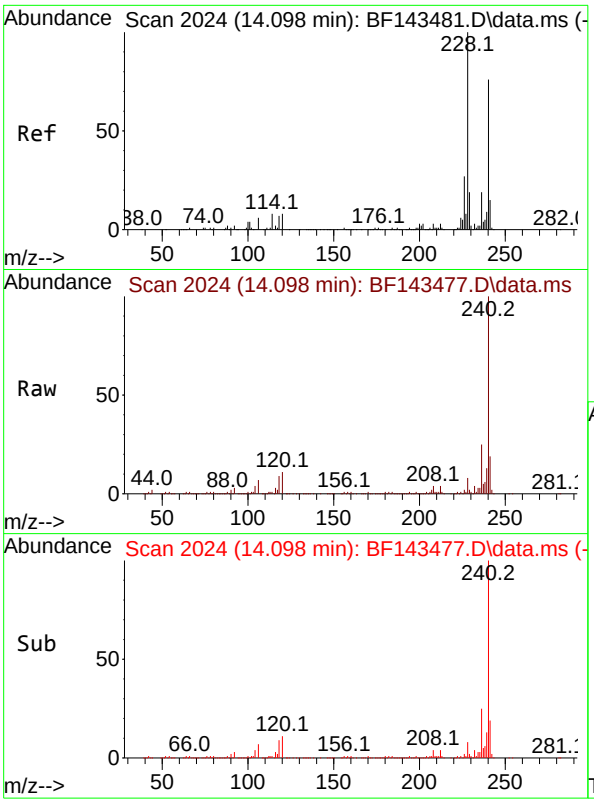


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion:188 Resp: 471116

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.9	8.2	12.4



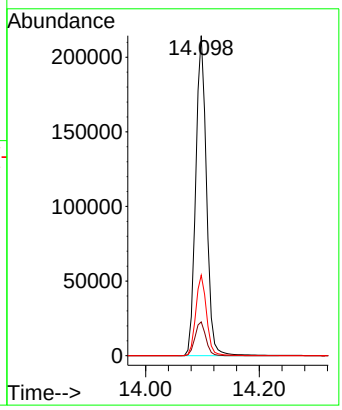


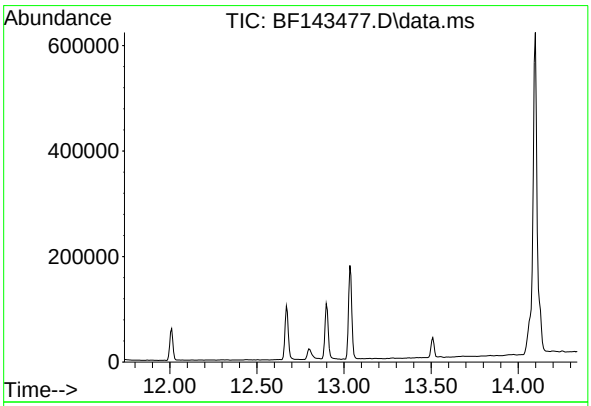
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 283668

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	25.1	20.4	30.6



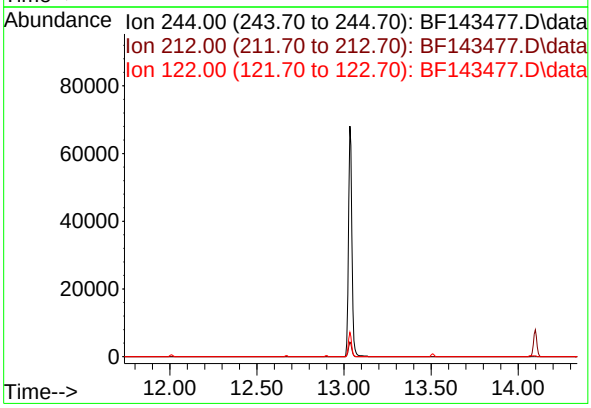


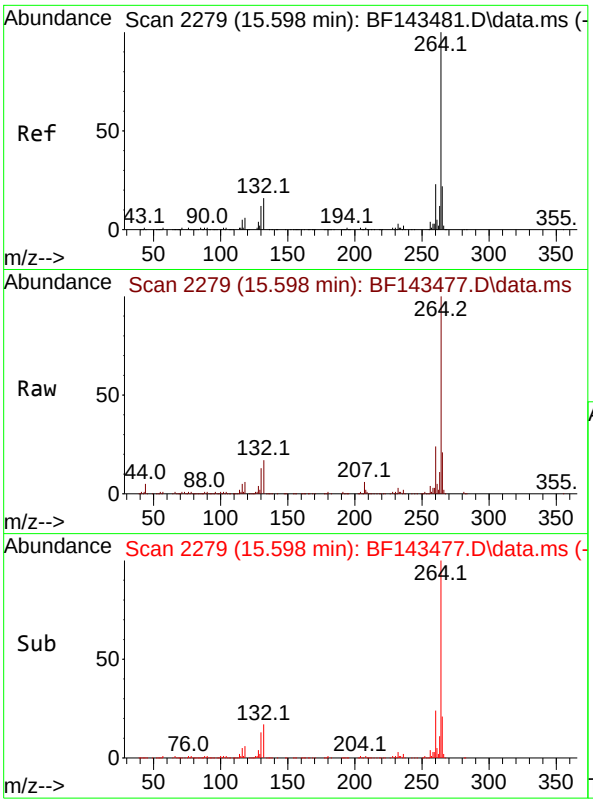
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.04 min

Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	9.9



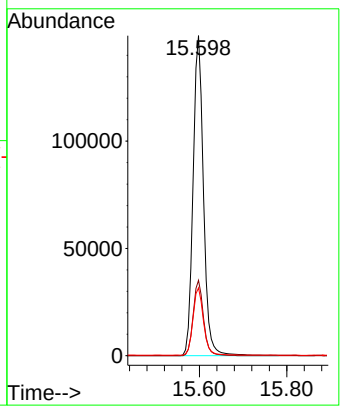


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143477.D
Acq: 20 Aug 2025 10:55

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 247340

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.2	17.6	26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143478.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 20 16:19:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	139746	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	528467	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	295421	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	479059	20.000	ng		0.00
76) Chrysene-d12	14.098	240	275807	20.000	ng		0.00
86) Perylene-d12	15.598	264	257255	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	84074	10.505	ng		0.00
7) Phenol-d6	6.557	99	107354	10.867	ng		-0.02
23) Nitrobenzene-d5	7.481	82	93525	10.327	ng		-0.02
42) 2,4,6-Tribromophenol	10.751	330	28197	10.254	ng		-0.01
45) 2-Fluorobiphenyl	9.281	172	213485	11.943	ng		0.00
79) Terphenyl-d14	13.033	244	184897	11.698	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.746	88	18448	4.976	ng		97
3) Pyridine	3.552	79	46794	4.739	ng		98
6) Aniline	6.587	93	71052	5.381	ng		98
8) 2-Chlorophenol	6.716	128	45449	5.142	ng		99
10) Phenol	6.575	94	60812	5.343	ng		93
11) bis(2-Chloroethyl)ether	6.651	93	45274	5.323	ng		99
12) 1,3-Dichlorobenzene	6.869	146	54424	5.480	ng		98
13) 1,4-Dichlorobenzene	6.945	146	53485	5.368	ng		99
14) 1,2-Dichlorobenzene	7.098	146	50580	5.362	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.192	45	74897	5.504	ng		97
17) 2-Methylphenol	7.181	107	36752	5.180	ng		97
18) Hexachloroethane	7.440	117	17304	5.108	ng		94
19) n-Nitroso-di-n-propyla...	7.328	70	32958	5.458	ng		96
22) Acetophenone	7.328	105	64602	5.658	ng	#	96
24) Nitrobenzene	7.498	77	46642	5.004	ng		99
25) Isophorone	7.739	82	87950	5.298	ng		99
26) 2-Nitrophenol	7.822	139	21447	4.697	ng		98
27) 2,4-Dimethylphenol	7.863	122	37403	5.255	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	54059	5.299	ng		98
29) 2,4-Dichlorophenol	8.075	162	38716	5.093	ng		96
30) 1,2,4-Trichlorobenzene	8.151	180	42060	5.382	ng		99
31) Naphthalene	8.228	128	141189	5.565	ng		99
33) 4-Chloroaniline	8.281	127	47399	5.264	ng		99
34) Hexachlorobutadiene	8.351	225	27313	5.357	ng		99
36) 4-Chloro-3-methylphenol	8.763	107	40059	5.259	ng		100
37) 2-Methylnaphthalene	8.922	142	94640	5.585	ng		99
38) 1-Methylnaphthalene	9.022	142	91483	5.644	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	46429	5.494	ng		98
43) 2,4,6-Trichlorophenol	9.204	196	24994	4.807	ng		99
44) 2,4,5-Trichlorophenol	9.251	196	28903	5.089	ng		97
46) 1,1'-Biphenyl	9.381	154	116864	5.573	ng		98
47) 2-Chloronaphthalene	9.410	162	90223	5.484	ng		100
48) 2-Nitroaniline	9.504	65	23209	4.820	ng		99
49) Acenaphthylene	9.822	152	129052	5.478	ng		98
50) Dimethylphthalate	9.675	163	95475	5.366	ng		98
51) 2,6-Dinitrotoluene	9.739	165	16519	4.480	ng		93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143478.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 20 16:19:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

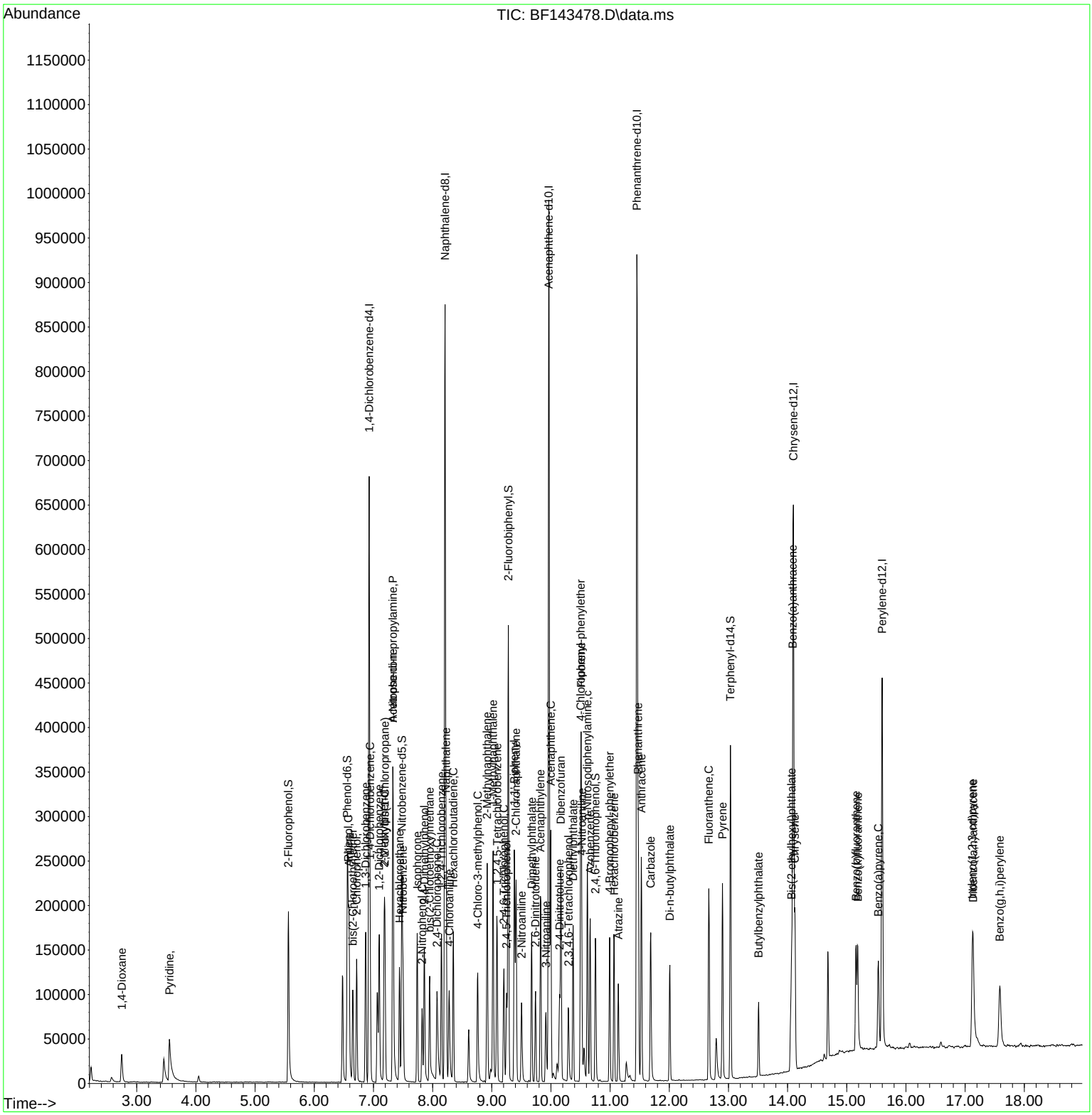
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.998	154	86399	5.402	ng		100
53) 3-Nitroaniline	9.916	138	19195	4.817	ng		98
55) Dibenzofuran	10.169	168	126806	5.561	ng		100
57) 2,4-Dinitrotoluene	10.145	165	21578	4.382	ng		90
58) Fluorene	10.510	166	100926	5.751	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	19308	4.576	ng	#	97
60) Diethylphthalate	10.375	149	86539	5.425	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	49563	5.647	ng		97
62) 4-Nitroaniline	10.522	138	16999	4.645	ng		99
63) Azobenzene	10.663	77	90174	5.452	ng		99
66) n-Nitrosodiphenylamine	10.616	169	81920	5.314	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	29139	5.098	ng		95
68) Hexachlorobenzene	11.069	284	31905	5.178	ng		99
69) Atrazine	11.139	200	18453	4.637	ng		97
71) Phenanthrene	11.475	178	142334	5.548	ng		99
72) Anthracene	11.528	178	142673	5.490	ng		99
73) Carbazole	11.686	167	113696	5.339	ng		99
74) Di-n-butylphthalate	12.010	149	93617	4.712	ng		100
75) Fluoranthene	12.669	202	127015	5.518	ng		98
78) Pyrene	12.898	202	130407	5.748	ng		99
80) Butylbenzylphthalate	13.510	149	26173	4.223	ng		99
81) Benzo(a)anthracene	14.086	228	89757	5.055	ng		99
83) Chrysene	14.121	228	86291	5.408	ng		99
84) Bis(2-ethylhexyl)phtha...	14.069	149	41348	4.380	ng		99
87) Indeno(1,2,3-cd)pyrene	17.121	276	91654	4.958	ng		98
88) Benzo(b)fluoranthene	15.157	252	72988	5.104	ng		99
89) Benzo(k)fluoranthene	15.186	252	74440	5.437	ng		99
90) Benzo(a)pyrene	15.533	252	66416	5.004	ng		99
91) Dibenzo(a,h)anthracene	17.139	278	73229	4.946	ng		98
92) Benzo(g,h,i)perylene	17.586	276	72556	4.928	ng		98

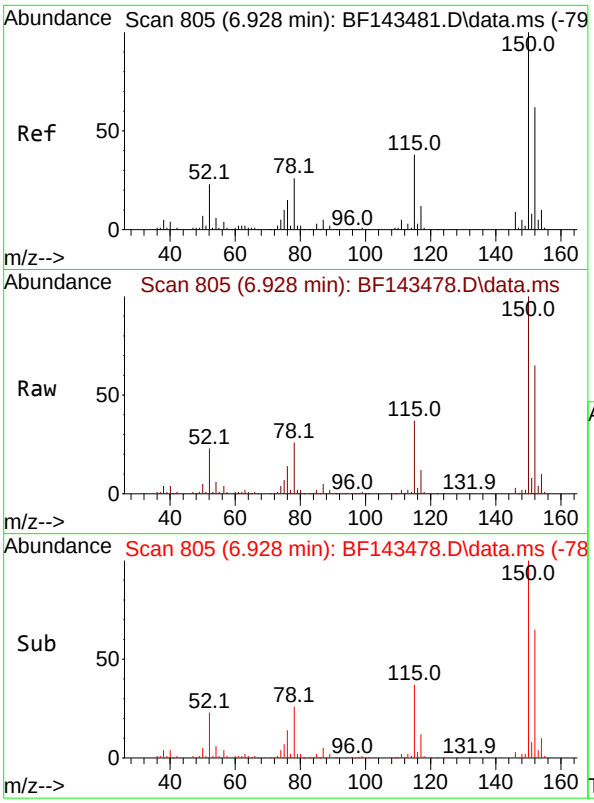
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143478.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 20 16:19:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



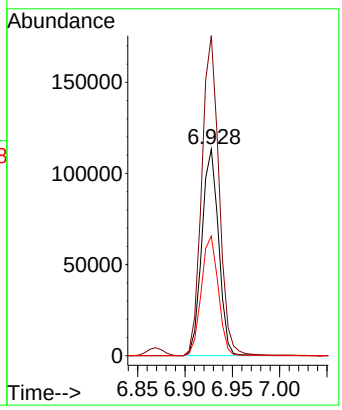


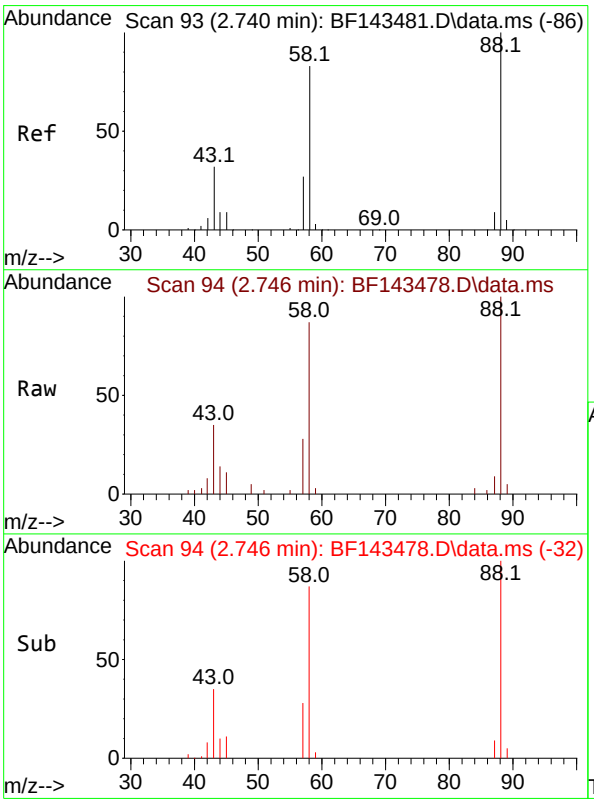
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 139746

Ion	Ratio	Lower	Upper
152	100		
150	154.9	128.9	193.3
115	58.0	49.2	73.8

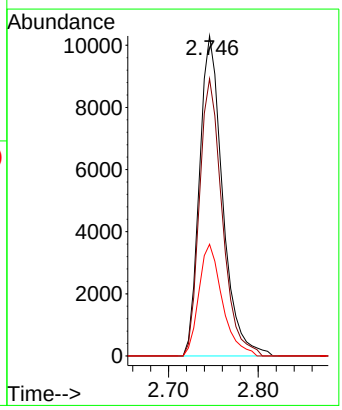


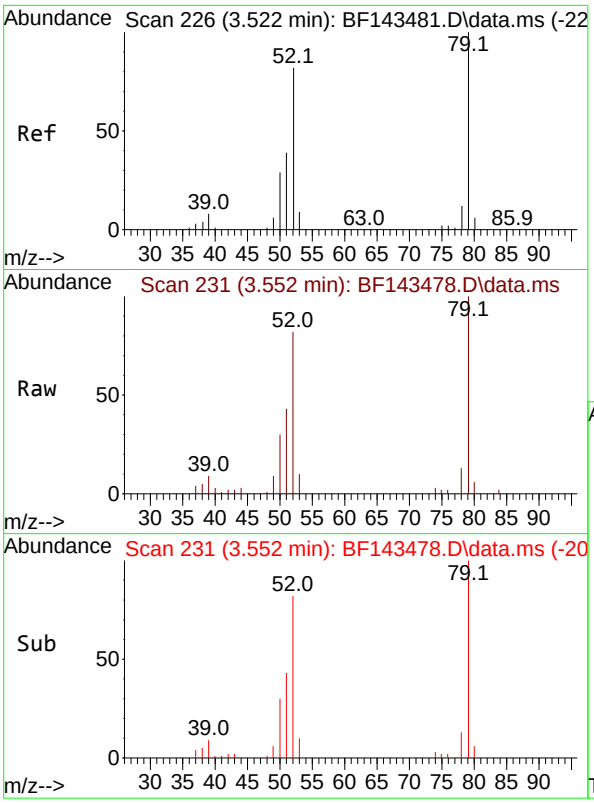


#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.746 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 88 Resp: 18448

Ion	Ratio	Lower	Upper
88	100		
58	85.1	66.7	100.1
43	35.4	25.8	38.8



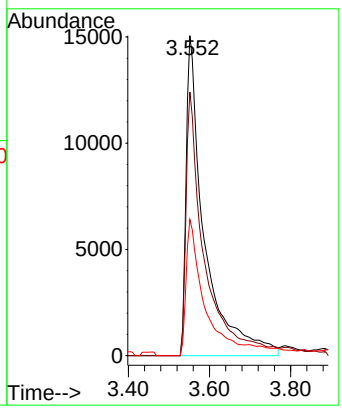


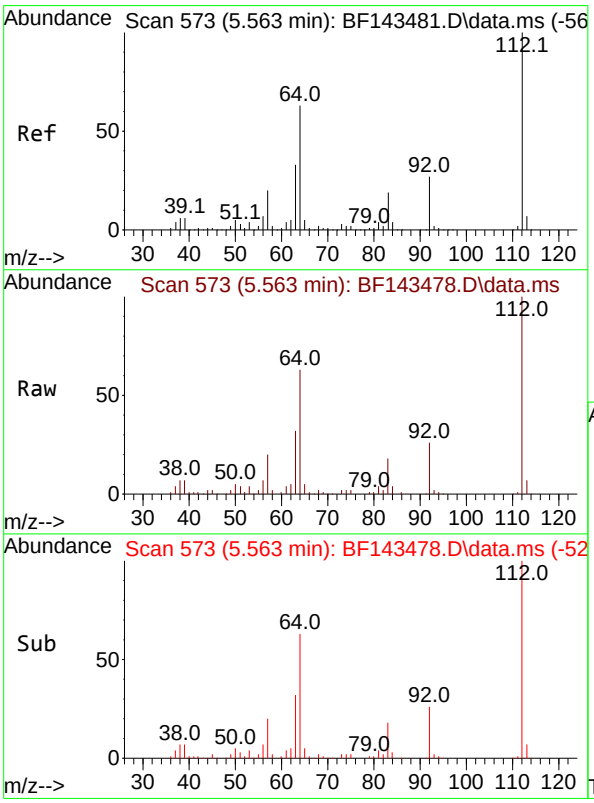
#3
Pyridine
Concen: 4.739 ng
RT: 3.552 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 46794

Ion	Ratio	Lower	Upper
79	100		
52	82.4	65.6	98.4
51	42.6	31.2	46.8

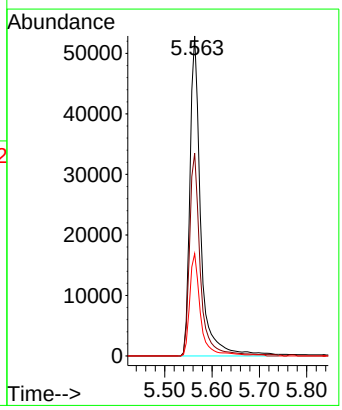


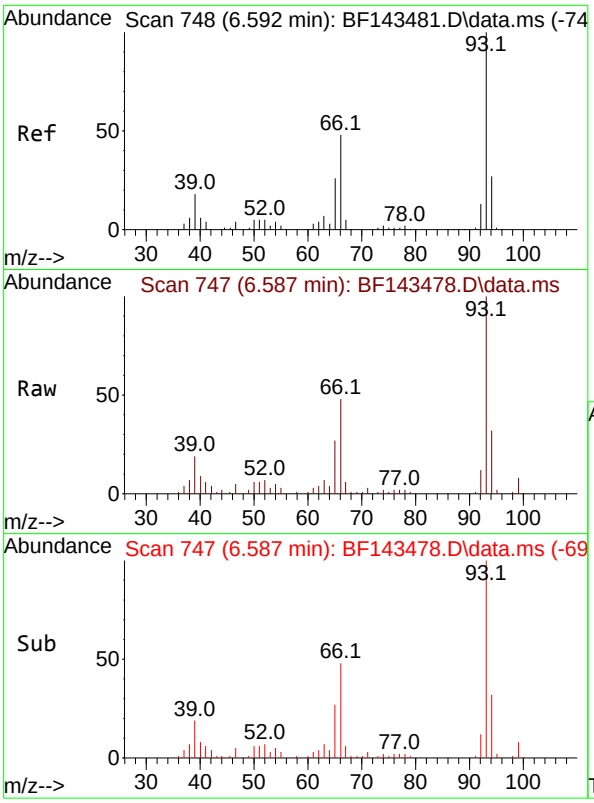


#5
2-Fluorophenol
Concen: 10.505 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:112 Resp: 84074

Ion	Ratio	Lower	Upper
112	100		
64	63.4	50.4	75.6
63	32.0	26.4	39.6



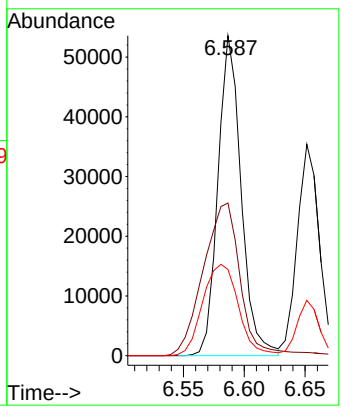


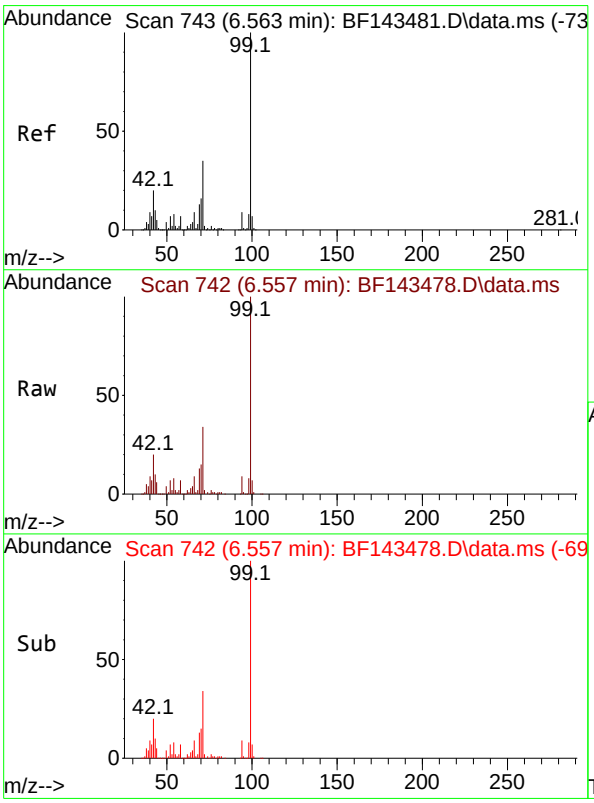
#6
Aniline
Concen: 5.381 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71052

Ion	Ratio	Lower	Upper
93	100		
66	47.7	38.9	58.3
65	27.0	20.6	30.8

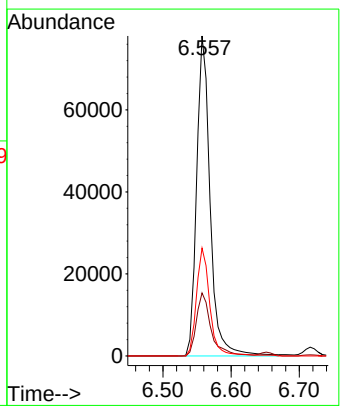


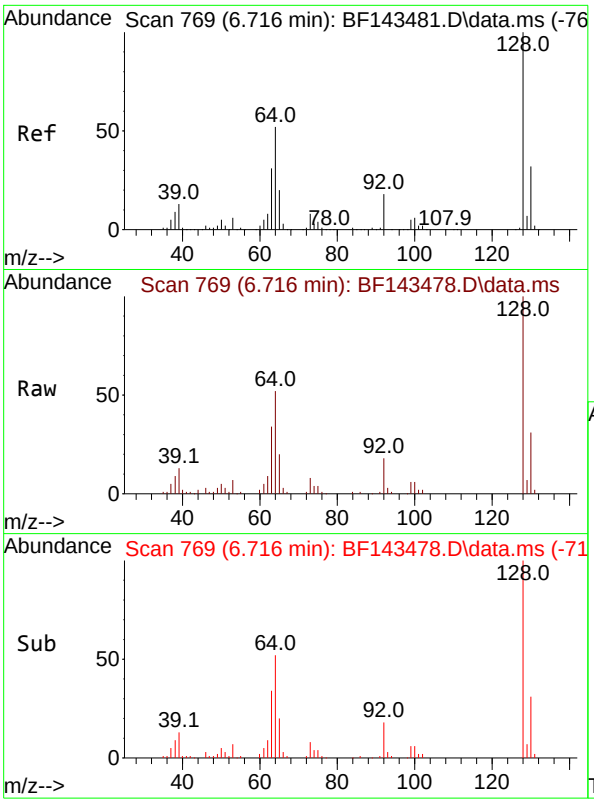


#7
Phenol-d6
Concen: 10.867 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 99 Resp: 107354

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.3	24.5
71	33.7	28.2	42.2



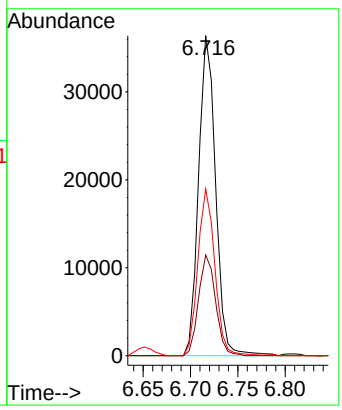


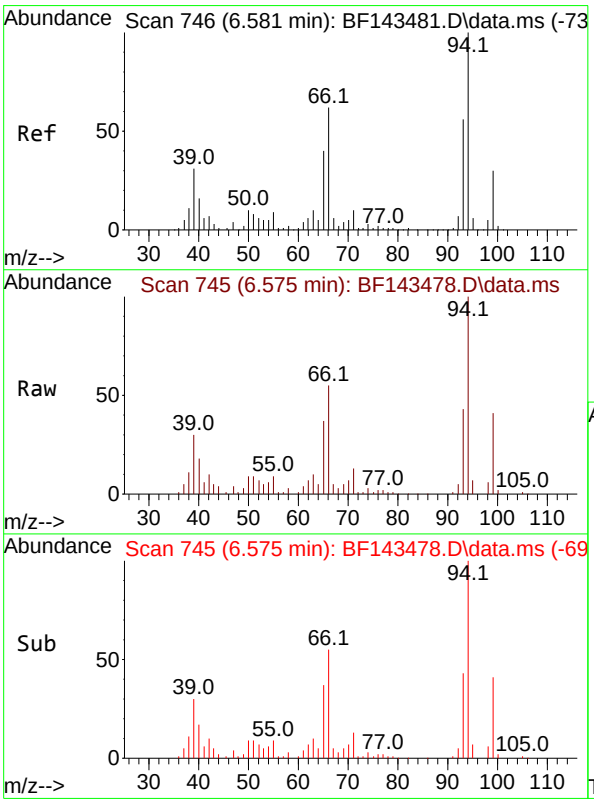
#8
2-Chlorophenol
Concen: 5.142 ng
RT: 6.716 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 45449

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.4	52.4
64	52.0	31.6	71.6

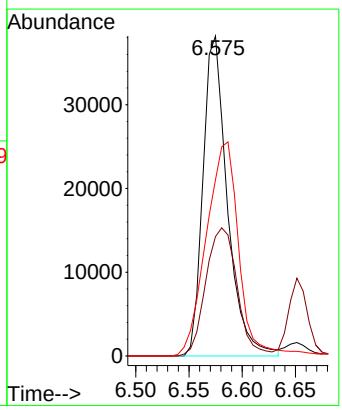


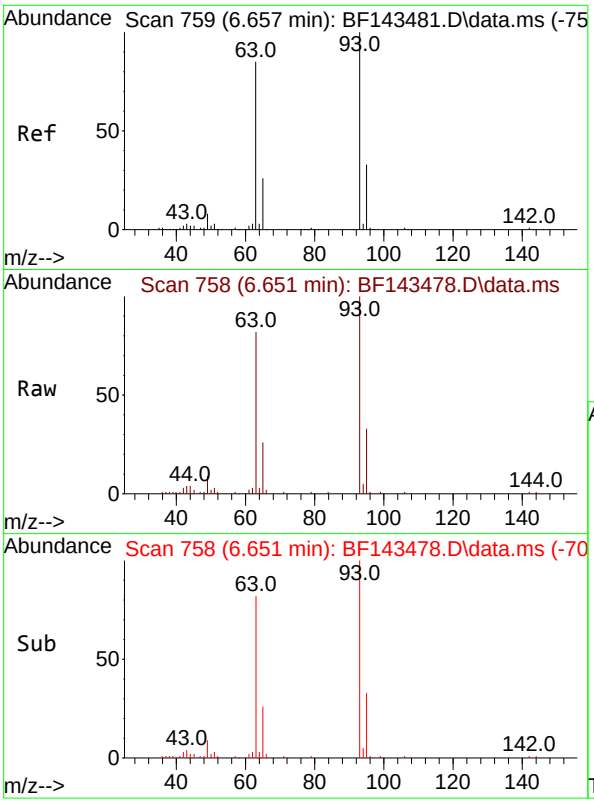


#10
Phenol
Concen: 5.343 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 94 Resp: 60812

Ion	Ratio	Lower	Upper
94	100		
65	37.3	19.5	59.5
66	55.1	42.5	82.5



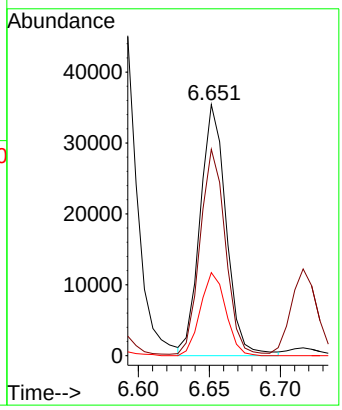


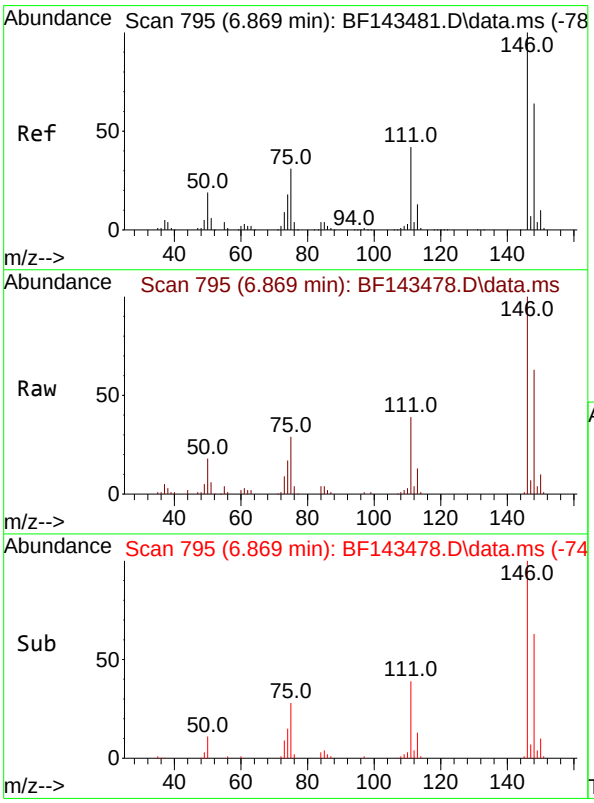
#11
bis(2-Chloroethyl)ether
Concen: 5.323 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 45274

Ion	Ratio	Lower	Upper
93	100		
63	82.2	63.6	103.6
95	33.1	12.8	52.8

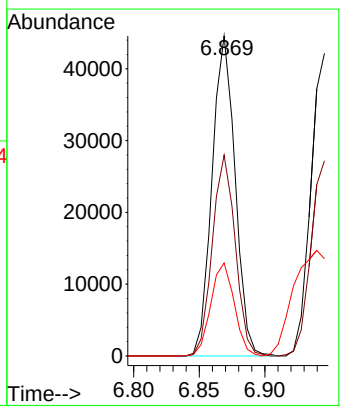


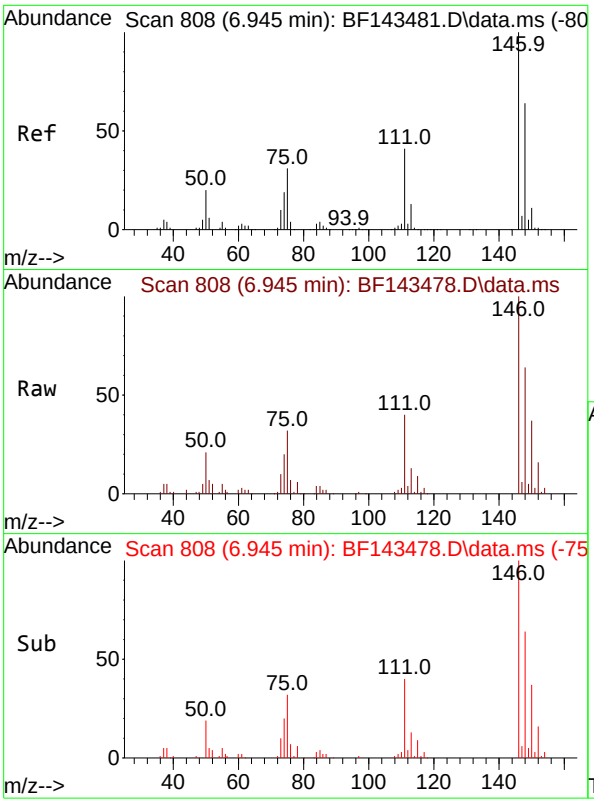


#12
1,3-Dichlorobenzene
Concen: 5.480 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:146 Resp: 54424

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.3	76.9
75	29.1	24.7	37.1



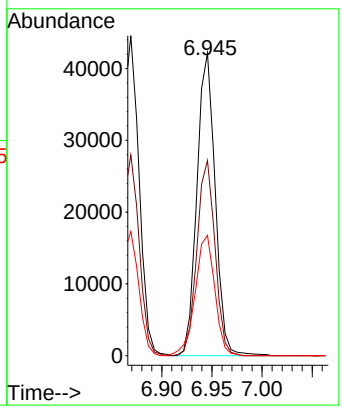


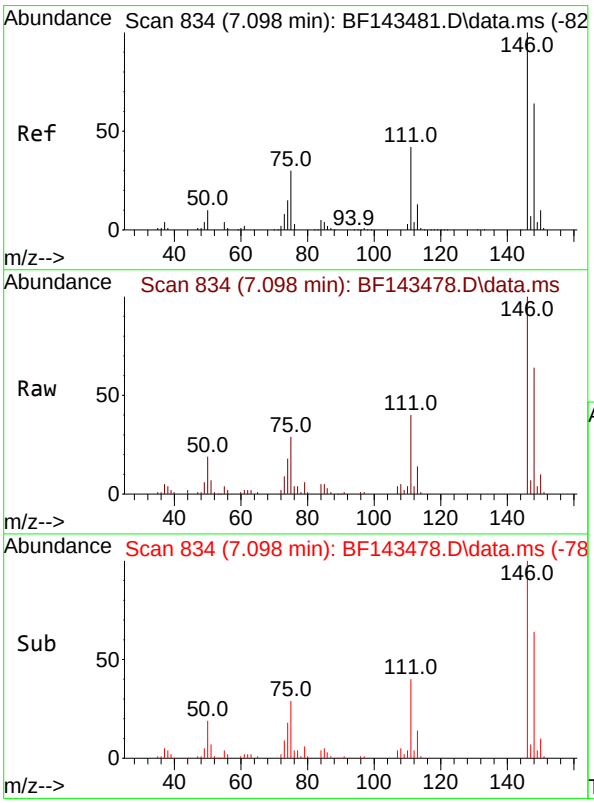
#13
1,4-Dichlorobenzene
Concen: 5.368 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 53485

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.5	77.3
111	39.7	32.6	49.0

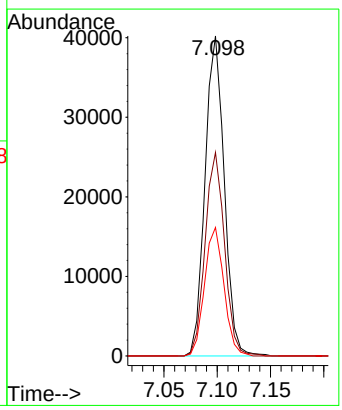


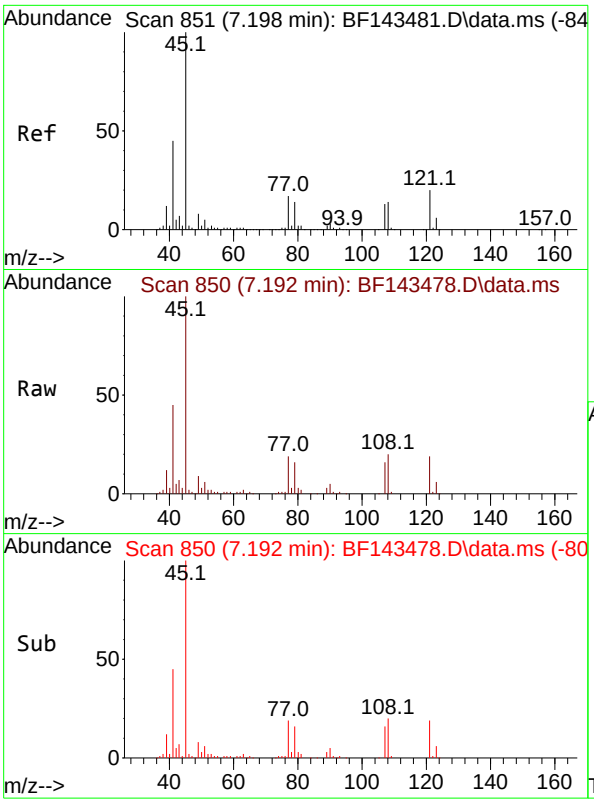


#14
1,2-Dichlorobenzene
Concen: 5.362 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:146 Resp: 50580

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
111	40.2	34.0	51.0



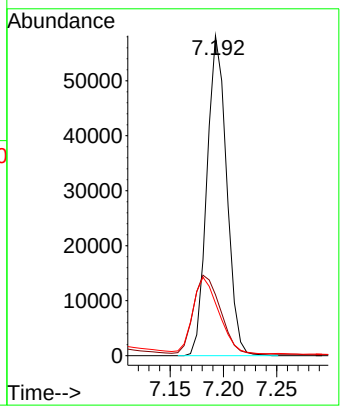


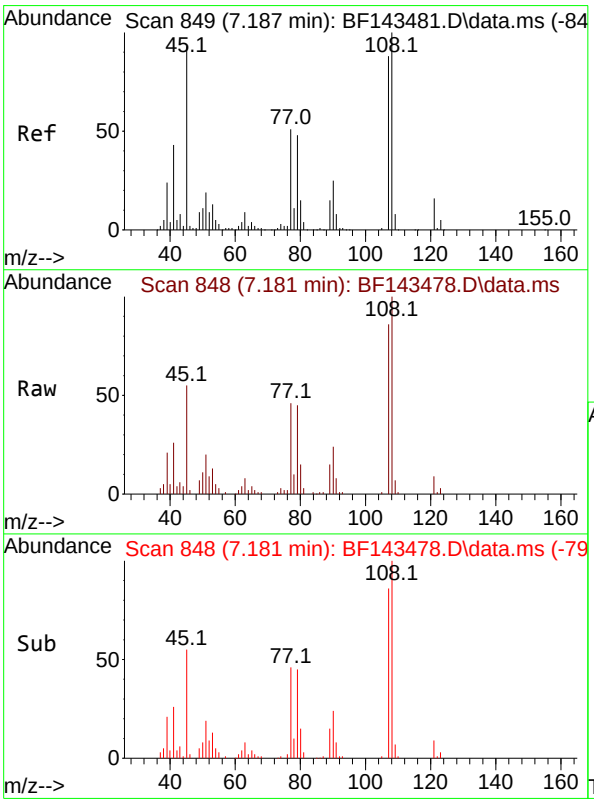
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.504 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 74897

Ion	Ratio	Lower	Upper
45	100		
77	19.0	0.0	37.9
79	16.4	0.0	34.7

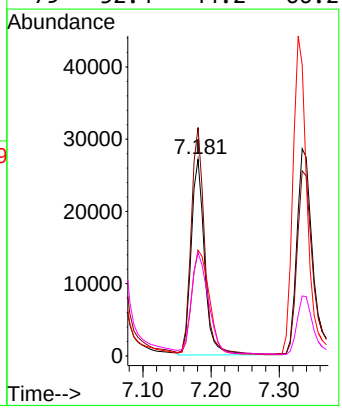


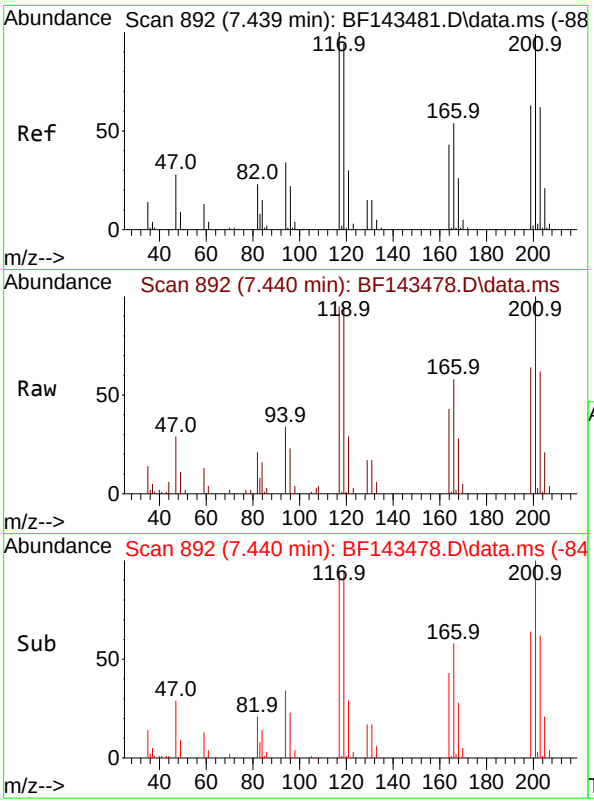


#17
2-Methylphenol
Concen: 5.180 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:107 Resp: 36752

Ion	Ratio	Lower	Upper
107	100		
108	116.1	91.1	136.7
77	53.7	46.2	69.4
79	52.4	44.2	66.2



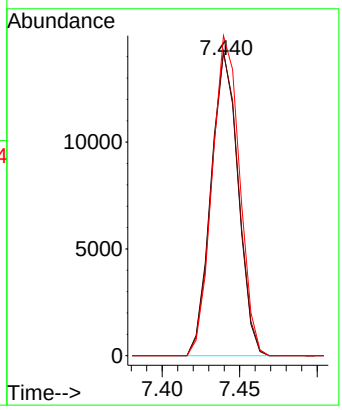


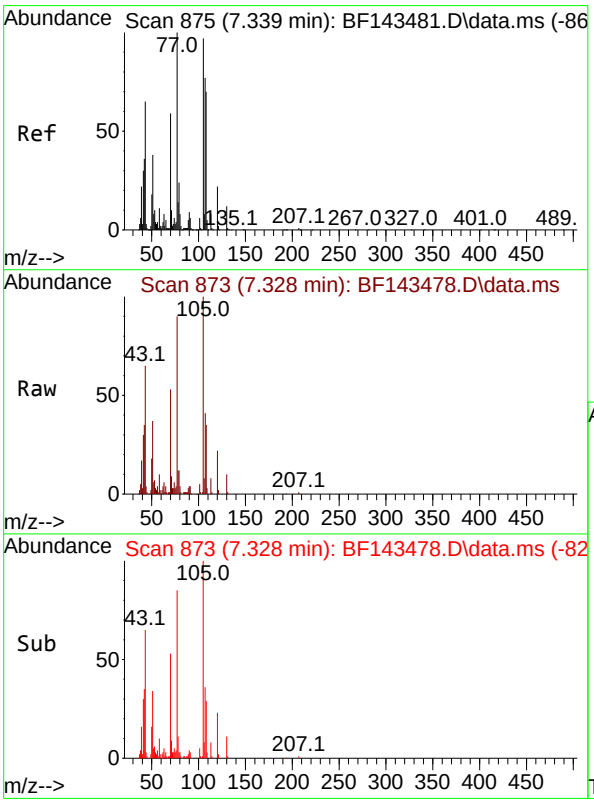
#18
Hexachloroethane
Concen: 5.108 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 17304

Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.4	113.0
201	105.1	79.0	118.4

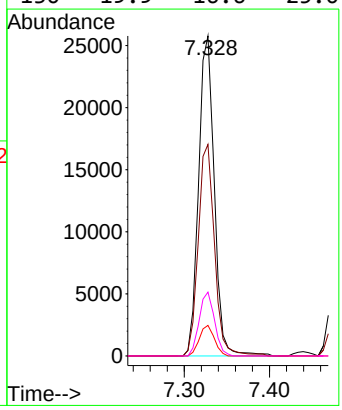


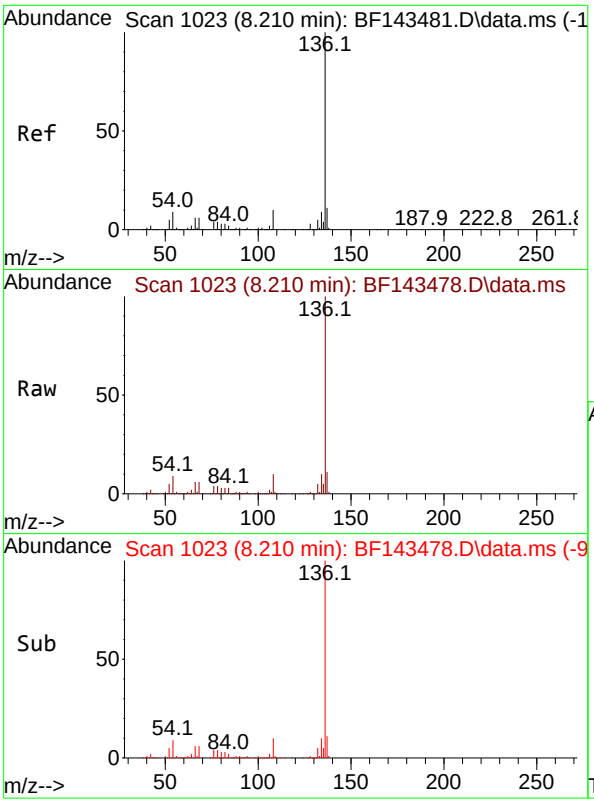


#19
n-Nitroso-di-n-propylamine
Concen: 5.458 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.024 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 70 Resp: 32958

Ion	Ratio	Lower	Upper
70	100		
42	66.1	49.3	73.9
101	9.5	7.8	11.8
130	19.9	16.6	25.0



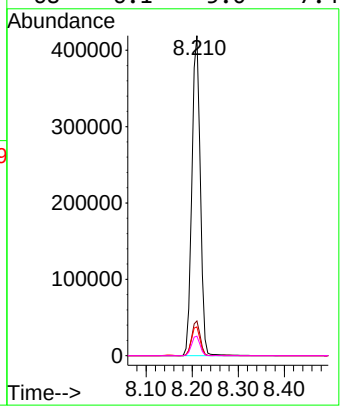


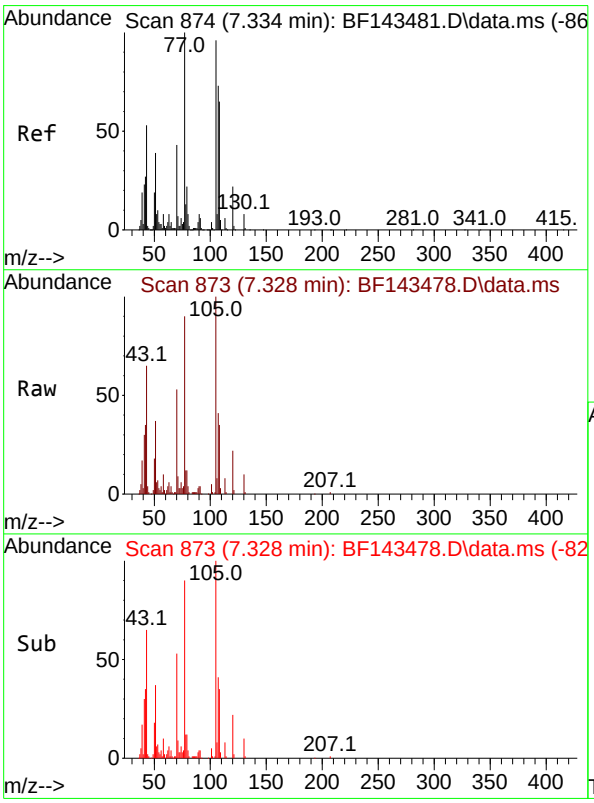
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 528467

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.0	7.4	11.2
68	6.1	5.0	7.4

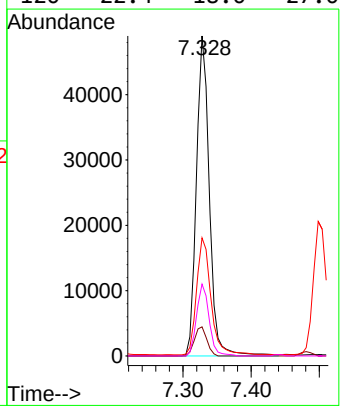


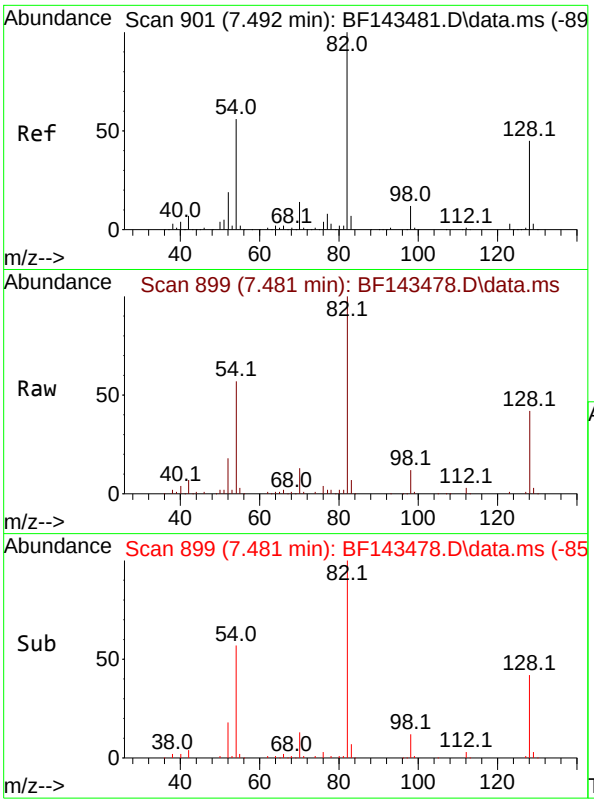


#22
Acetophenone
Concen: 5.658 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:105 Resp: 64602

Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.9	8.9#
51	36.9	32.5	48.7
120	22.4	18.0	27.0



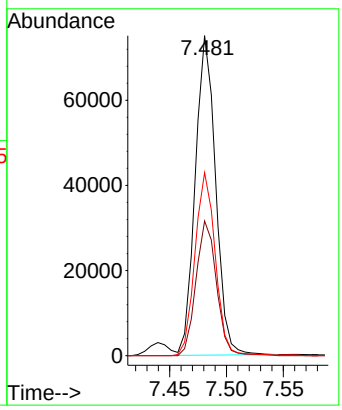


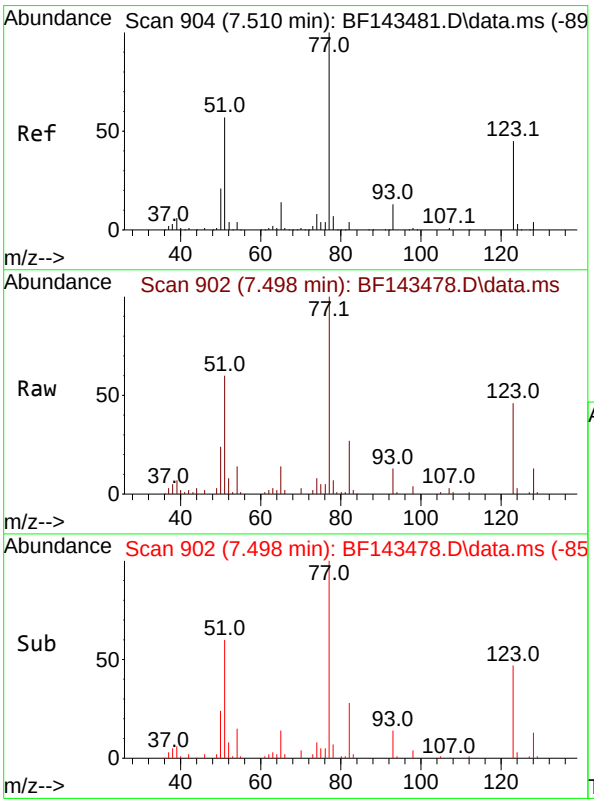
#23
Nitrobenzene-d5
Concen: 10.327 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 93525

Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.5	53.3
54	57.2	44.3	66.5

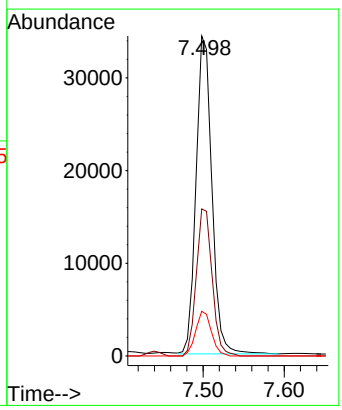


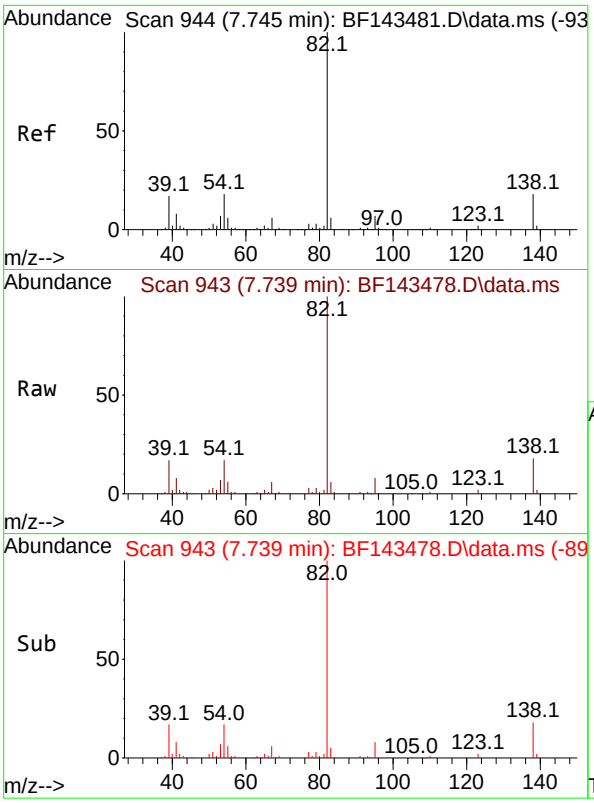


#24
Nitrobenzene
Concen: 5.004 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 77 Resp: 46642

Ion	Ratio	Lower	Upper
77	100		
123	46.0	36.1	54.1
65	14.0	11.0	16.6



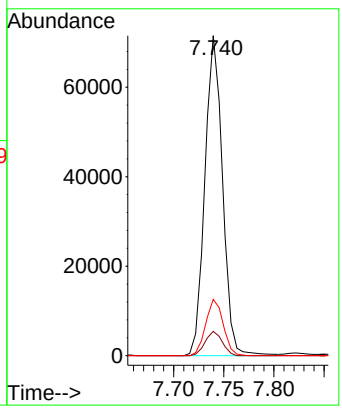


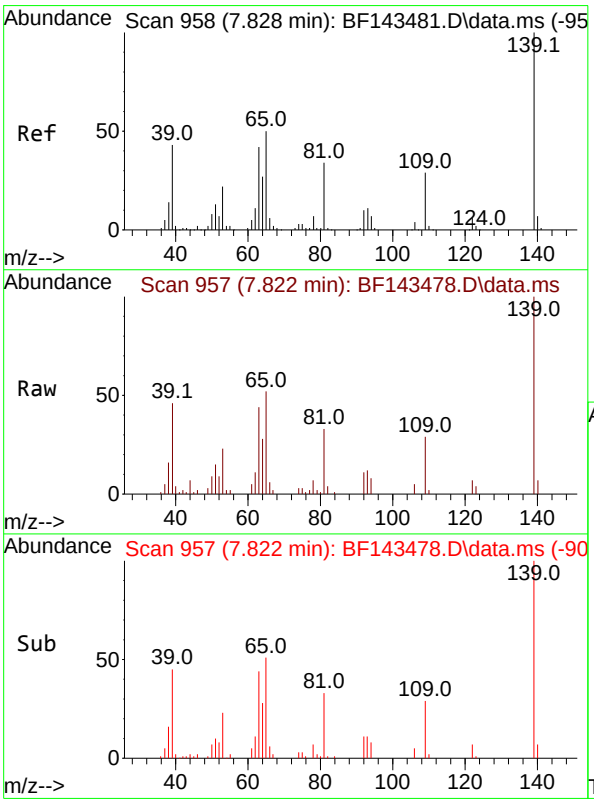
#25
Isophorone
Concen: 5.298 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 87950

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.8	8.8
138	17.6	14.2	21.4

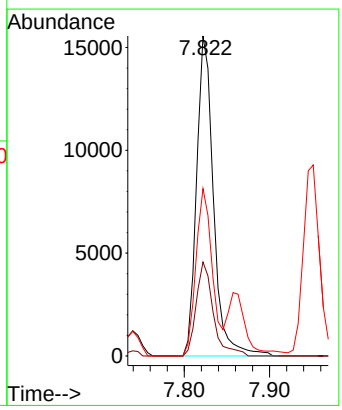


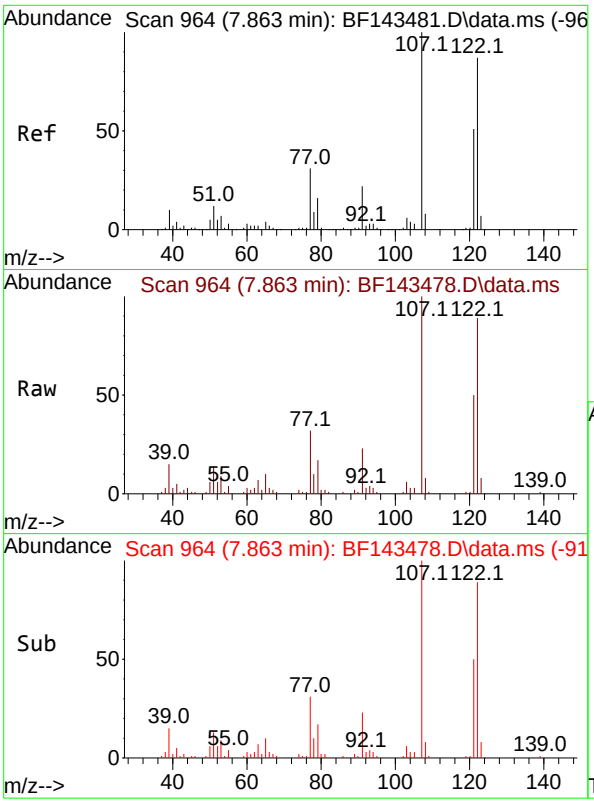


#26
2-Nitrophenol
Concen: 4.697 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:139 Resp: 21447

Ion	Ratio	Lower	Upper
139	100		
109	29.3	23.0	34.6
65	52.3	40.3	60.5



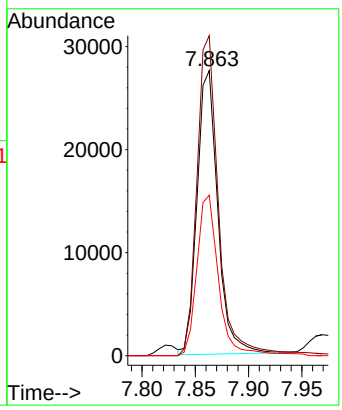


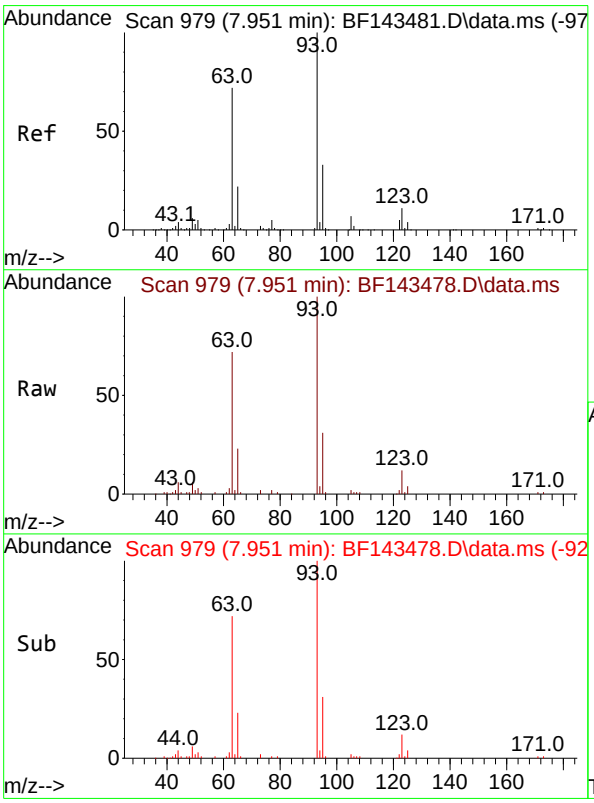
#27
2,4-Dimethylphenol
Concen: 5.255 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 37403

Ion	Ratio	Lower	Upper
122	100		
107	112.2	91.5	137.3
121	56.3	47.0	70.4

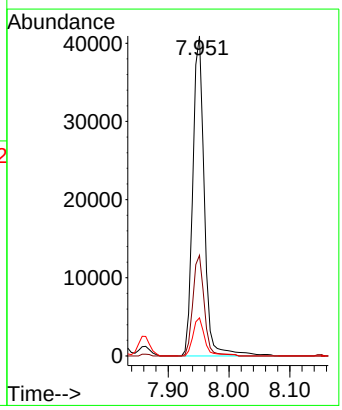


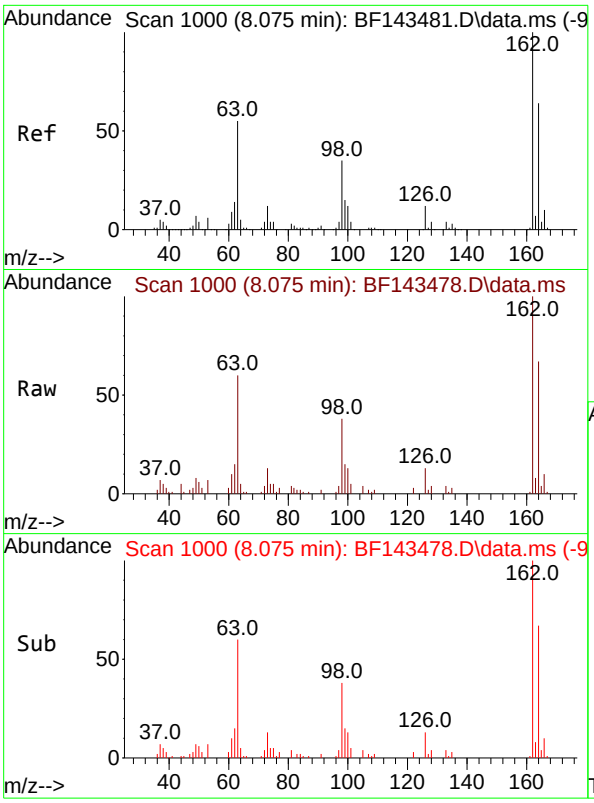


#28
bis(2-Chloroethoxy)methane
Concen: 5.299 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 93 Resp: 54059

Ion	Ratio	Lower	Upper
93	100		
95	31.4	26.0	39.0
123	11.9	9.1	13.7



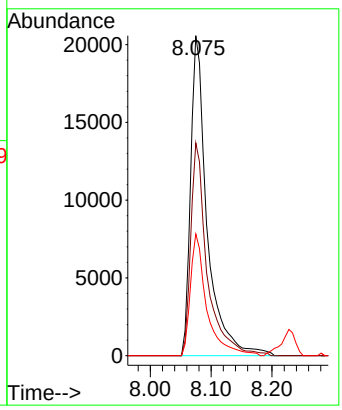


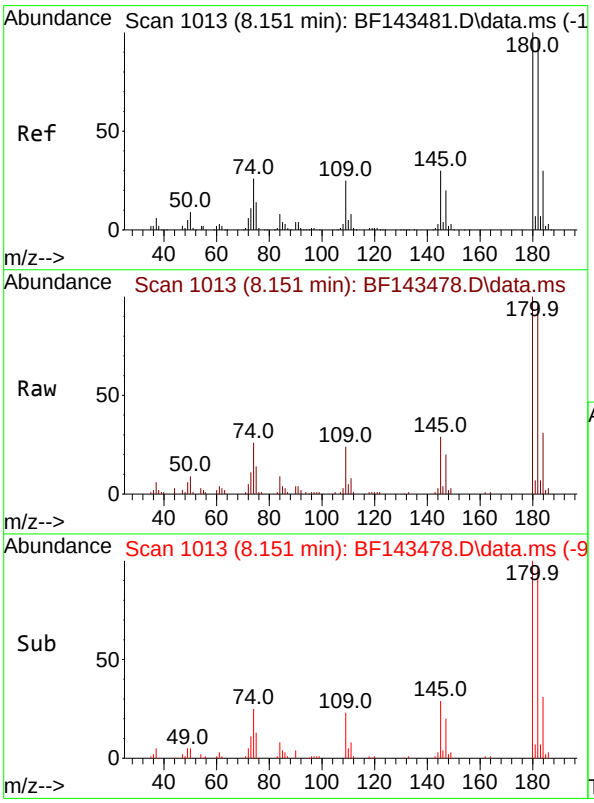
#29
2,4-Dichlorophenol
Concen: 5.093 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 38716

Ion	Ratio	Lower	Upper
162	100		
164	66.5	43.5	83.5
98	38.0	15.1	55.1

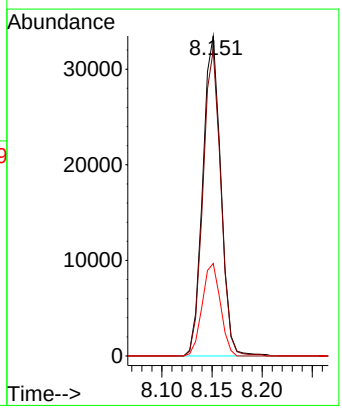


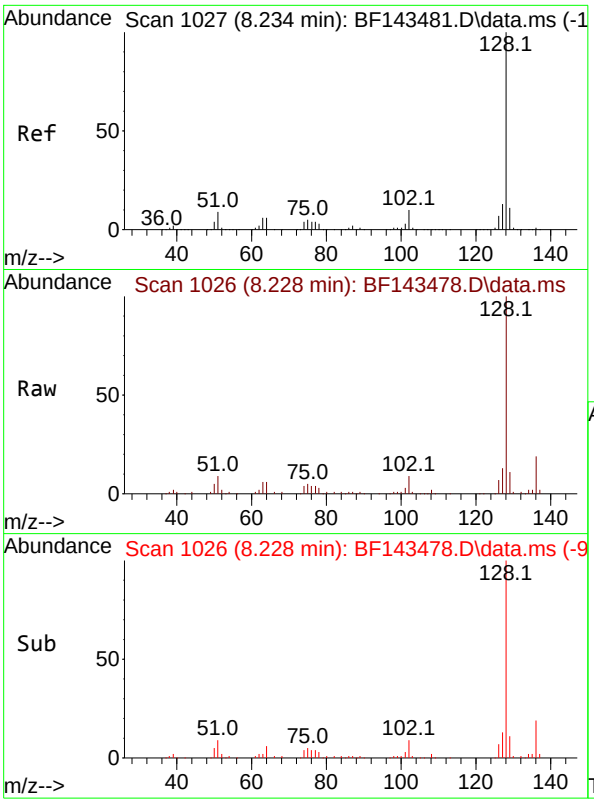


#30
1,2,4-Trichlorobenzene
Concen: 5.382 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:180 Resp: 42060

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	28.9	24.3	36.5



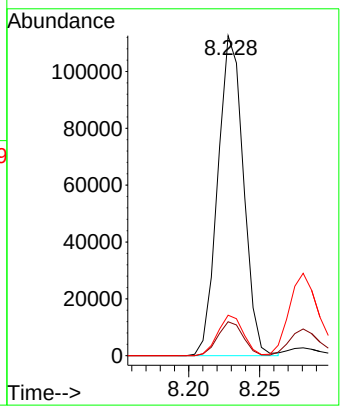


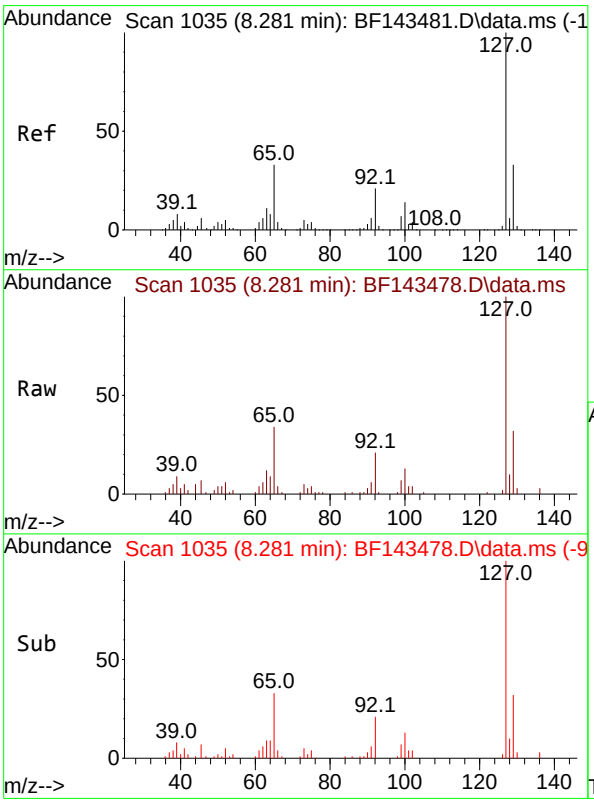
#31
Naphthalene
Concen: 5.565 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 141189

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.6	16.0

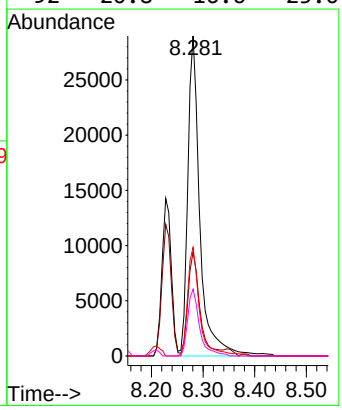


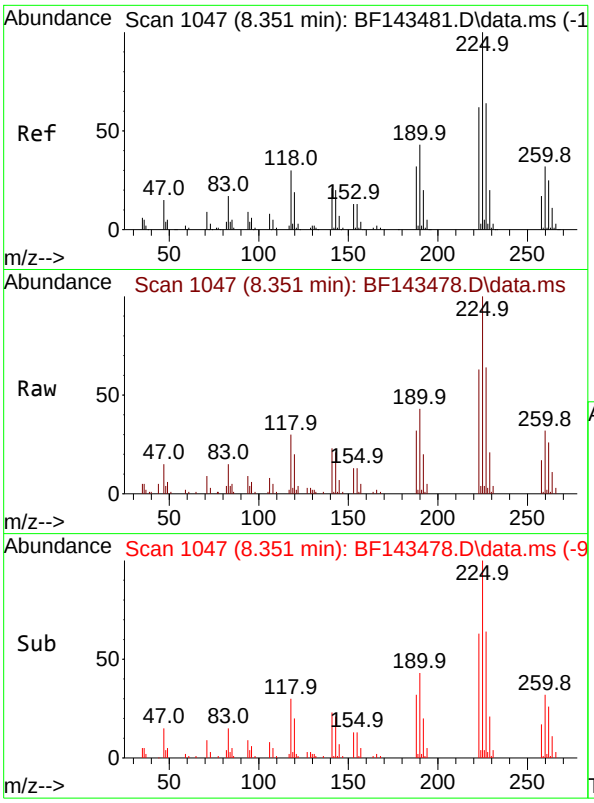


#33
4-Chloroaniline
Concen: 5.264 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:127 Resp: 47399

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	34.0	26.2	39.2
92	20.8	16.6	25.0



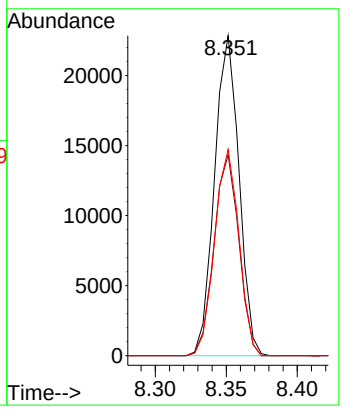


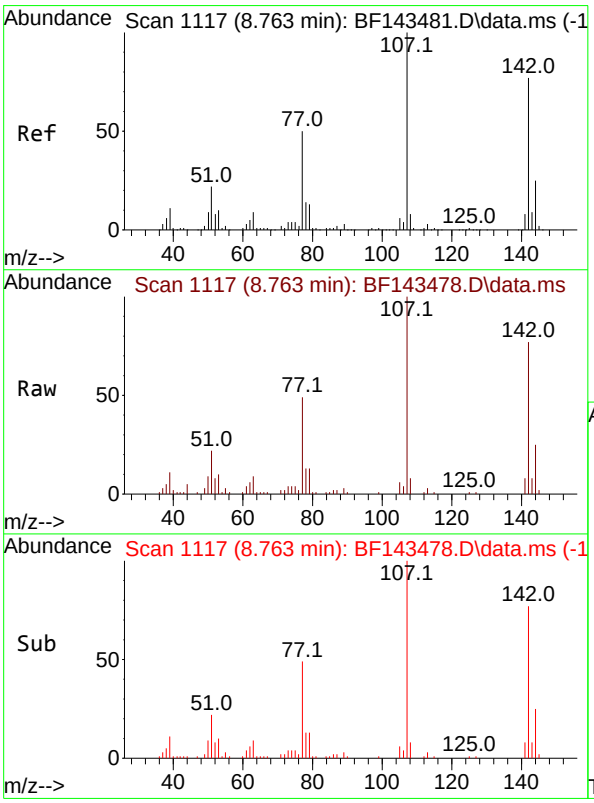
#34
Hexachlorobutadiene
Concen: 5.357 ng
RT: 8.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 27313

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.9	74.9
227	64.5	50.9	76.3

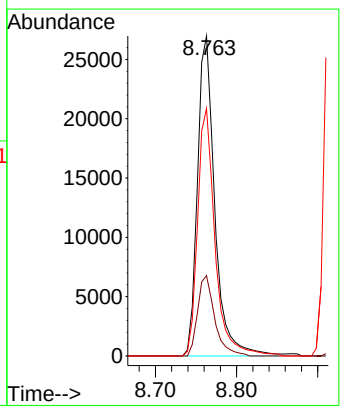


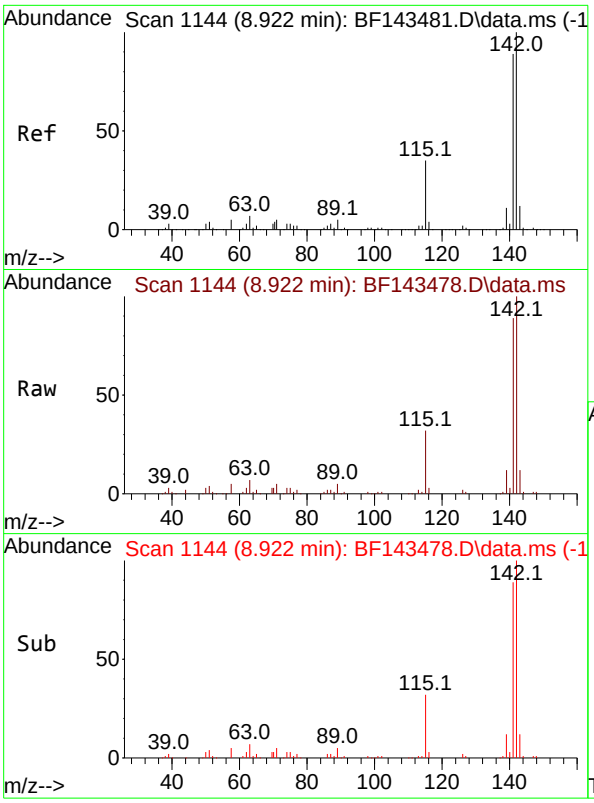


#36
4-Chloro-3-methylphenol
Concen: 5.259 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:107 Resp: 40059

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.9	29.9
142	77.4	61.8	92.8



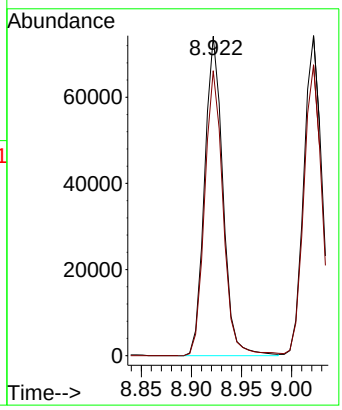


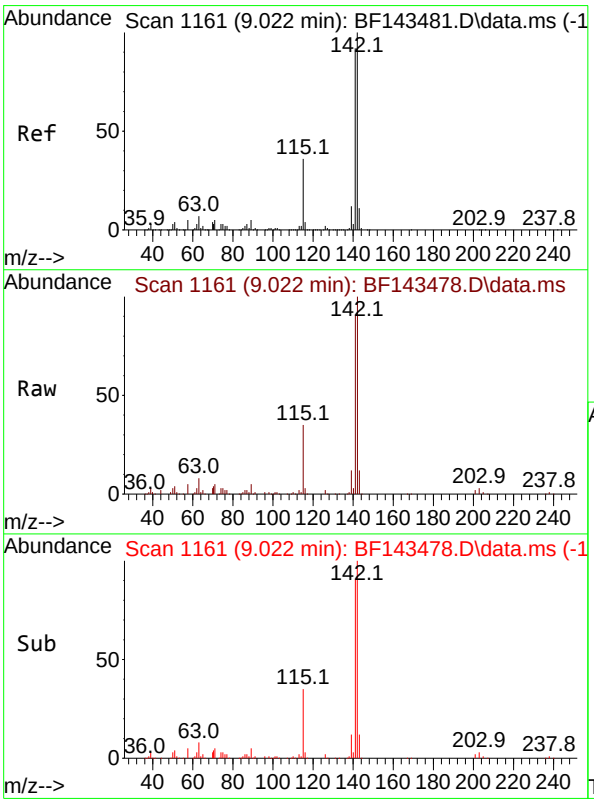
#37
2-Methylnaphthalene
Concen: 5.585 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 94640

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.4

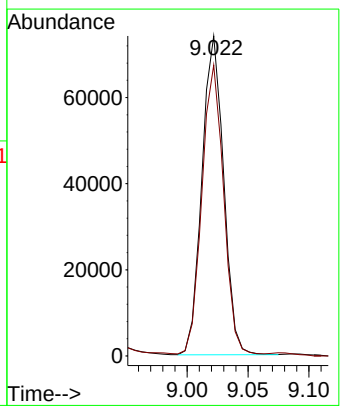


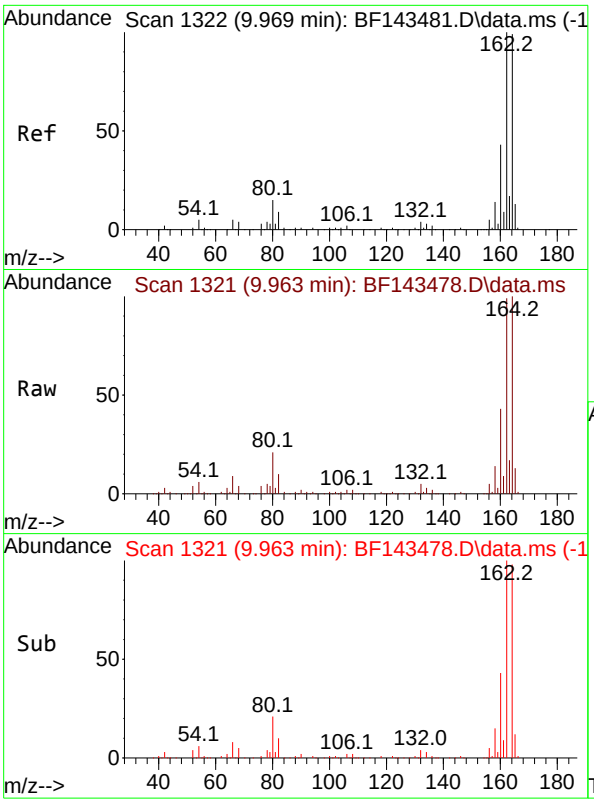


#38
1-Methylnaphthalene
Concen: 5.644 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:142 Resp: 91483

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.3	109.9



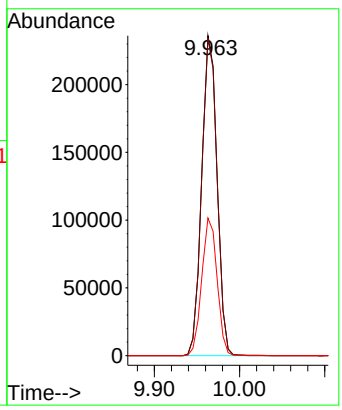


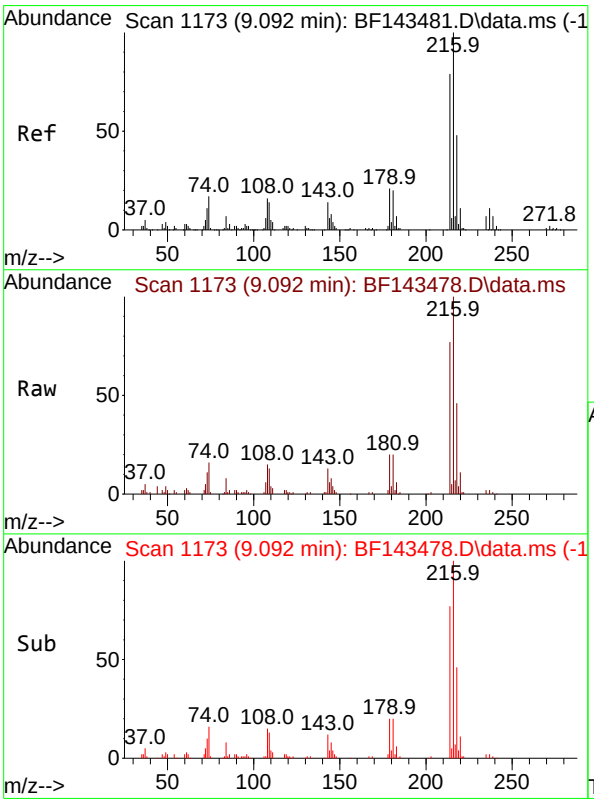
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 295421

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.5	120.7
160	43.0	34.3	51.5

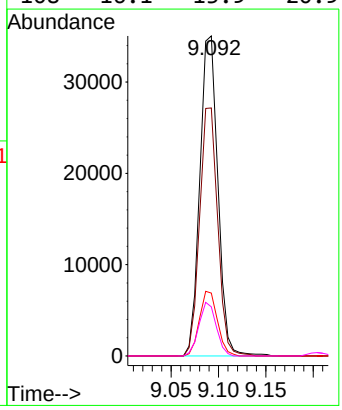


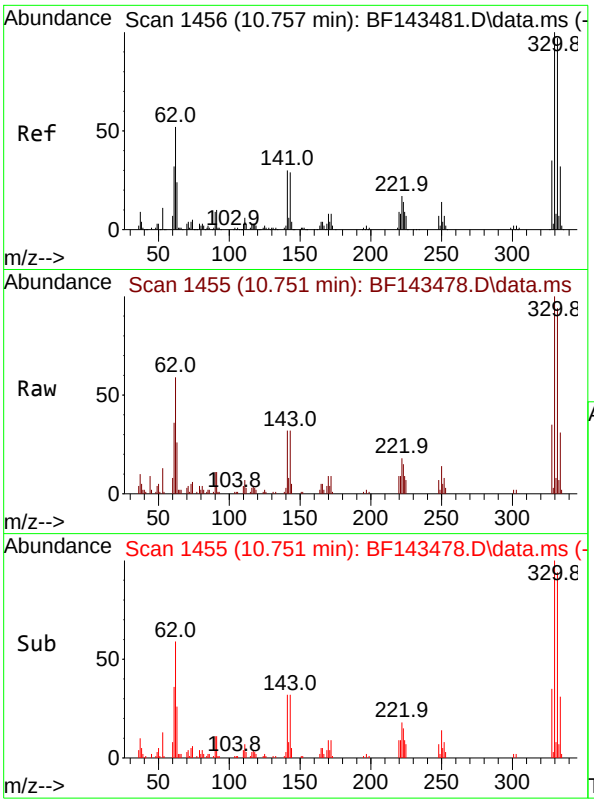


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.494 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:216 Resp: 46429

Ion	Ratio	Lower	Upper
216	100		
214	77.4	63.4	95.0
179	20.2	16.5	24.7
108	16.1	13.9	20.9



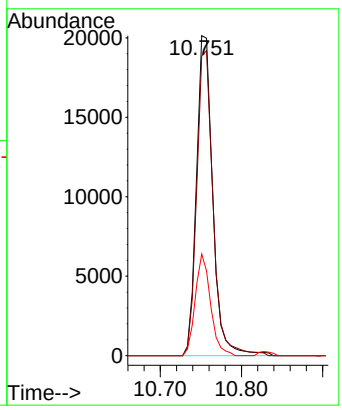


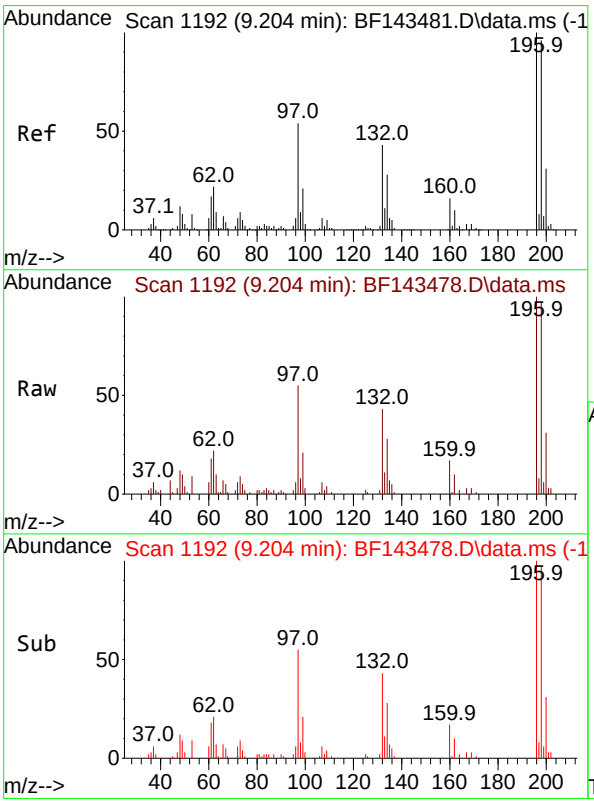
#42
2,4,6-Tribromophenol
Concen: 10.254 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 28197

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.0	117.0
141	29.8	23.7	35.5

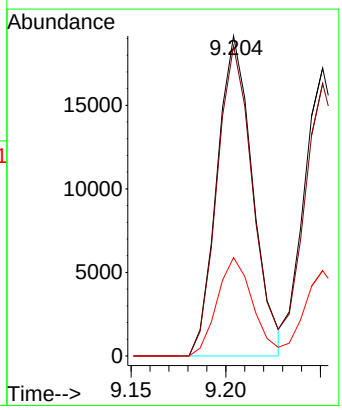


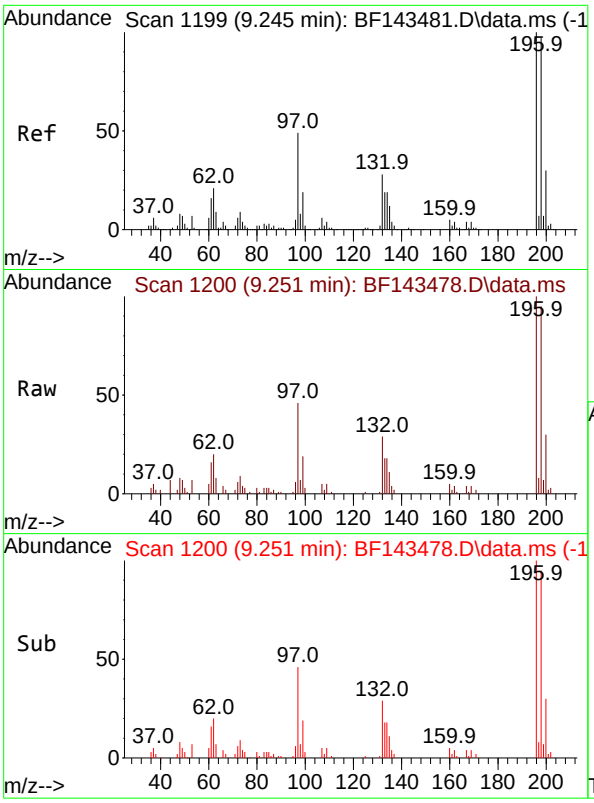


#43
2,4,6-Trichlorophenol
Concen: 4.807 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:196 Resp: 24994

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.0	115.4
200	30.8	24.6	37.0



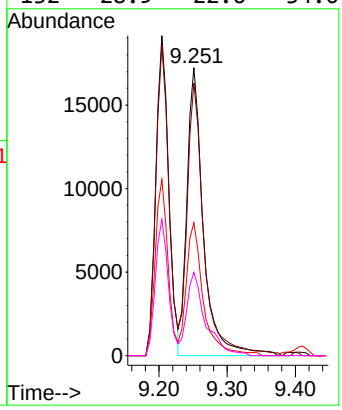


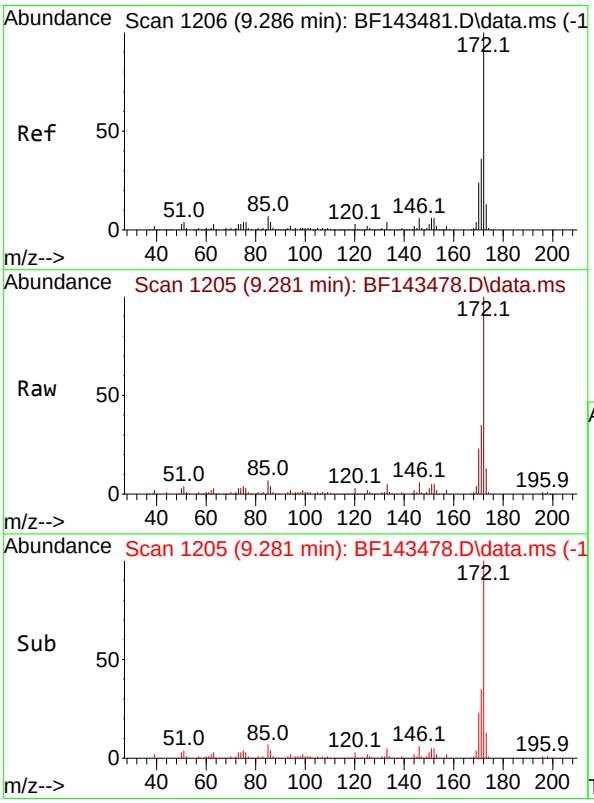
#44
2,4,5-Trichlorophenol
Concen: 5.089 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 28903

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.3	115.9
97	46.2	40.0	60.0
132	28.9	22.6	34.0

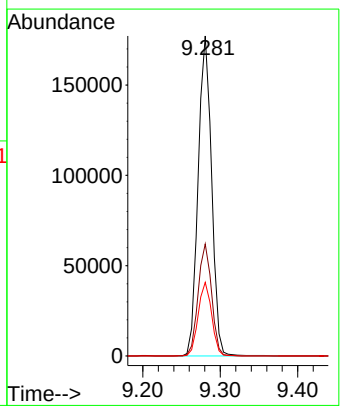


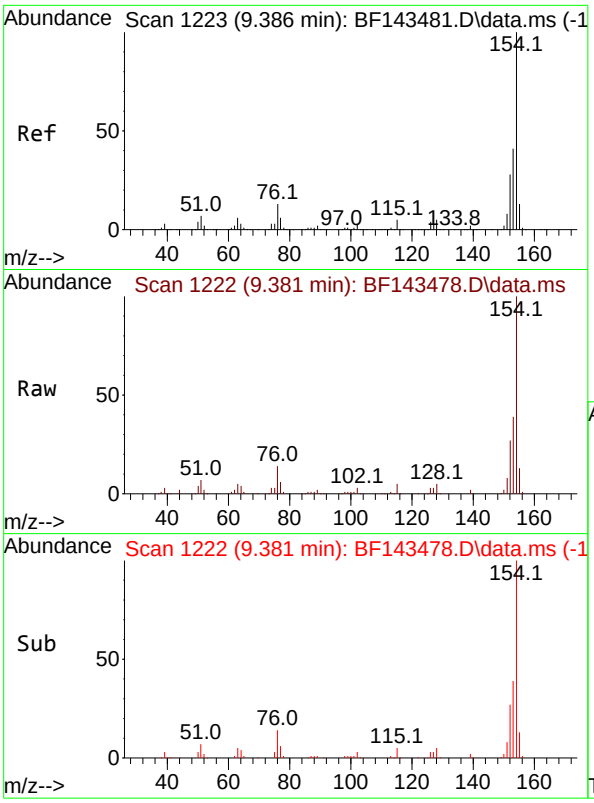


#45
2-Fluorobiphenyl
Concen: 11.943 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:172 Resp: 213485

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.0	18.8	28.2



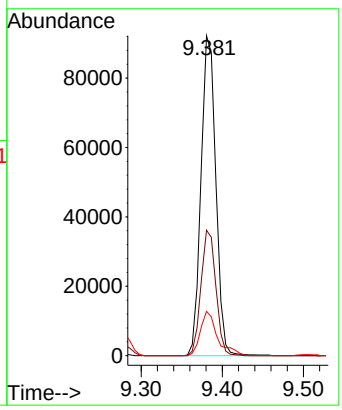


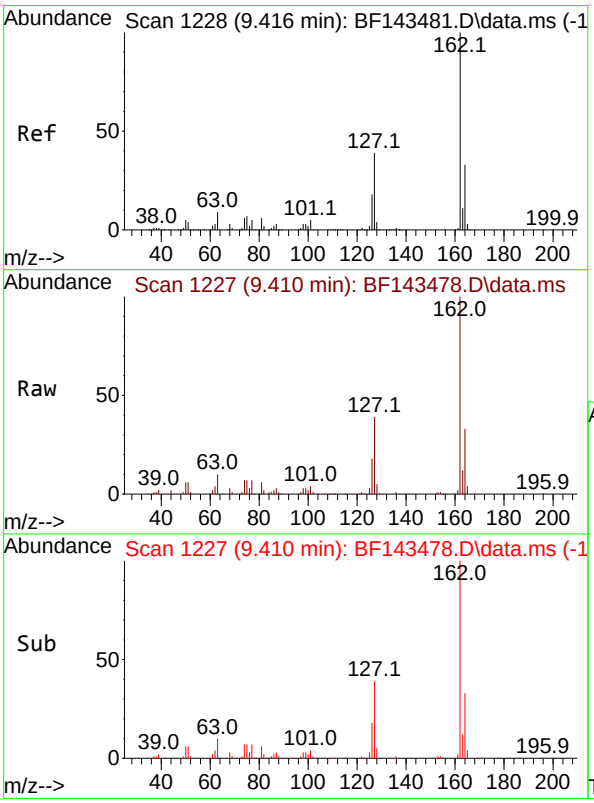
#46
1,1'-Biphenyl
Concen: 5.573 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 116864

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	13.9	0.0	33.0

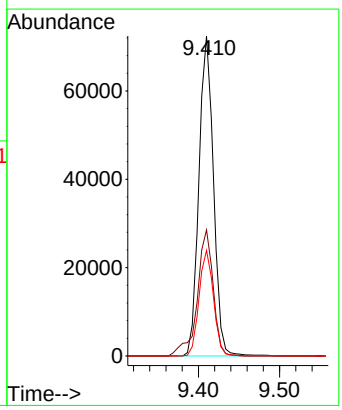


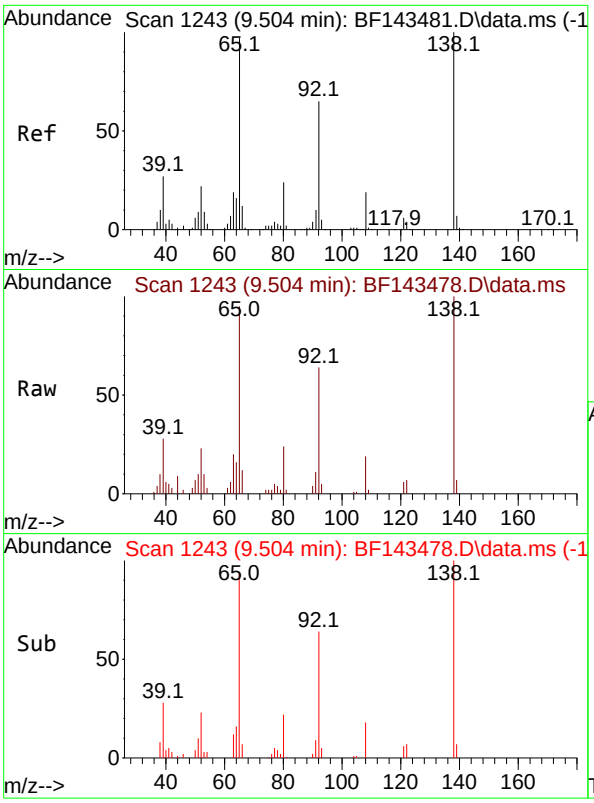


#47
2-Chloronaphthalene
Concen: 5.484 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:162 Resp: 90223

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.8	47.6
164	33.0	26.4	39.6



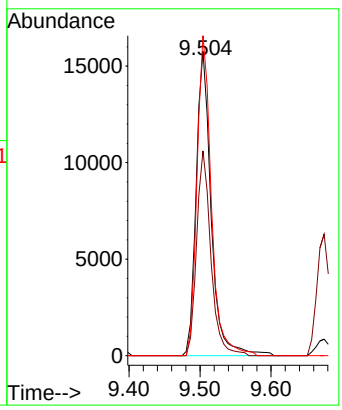


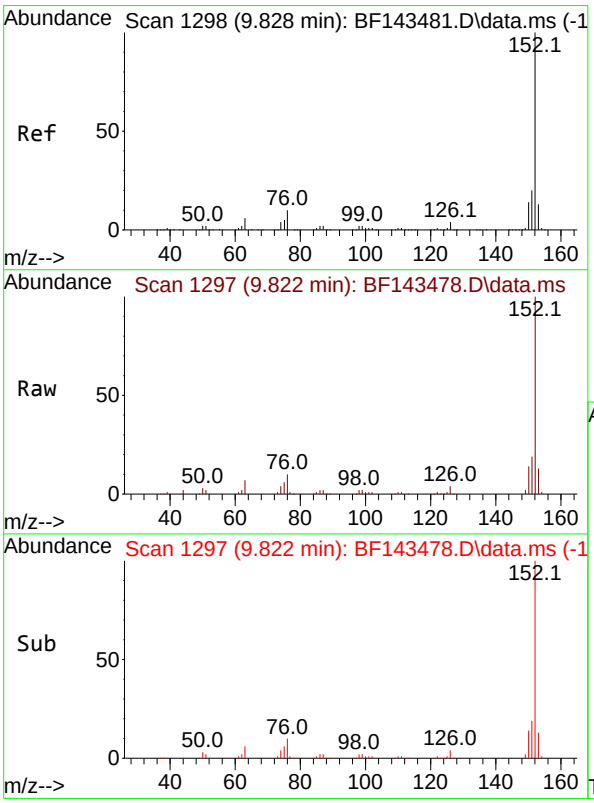
#48
2-Nitroaniline
Concen: 4.820 ng
RT: 9.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 23209

Ion	Ratio	Lower	Upper
65	100		
92	67.3	53.8	80.6
138	105.1	82.4	123.6

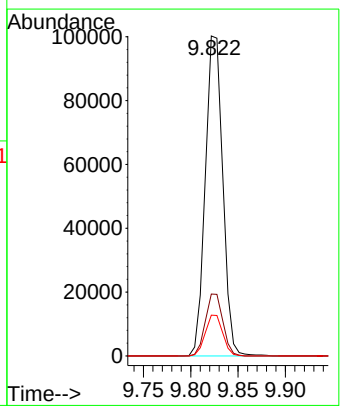


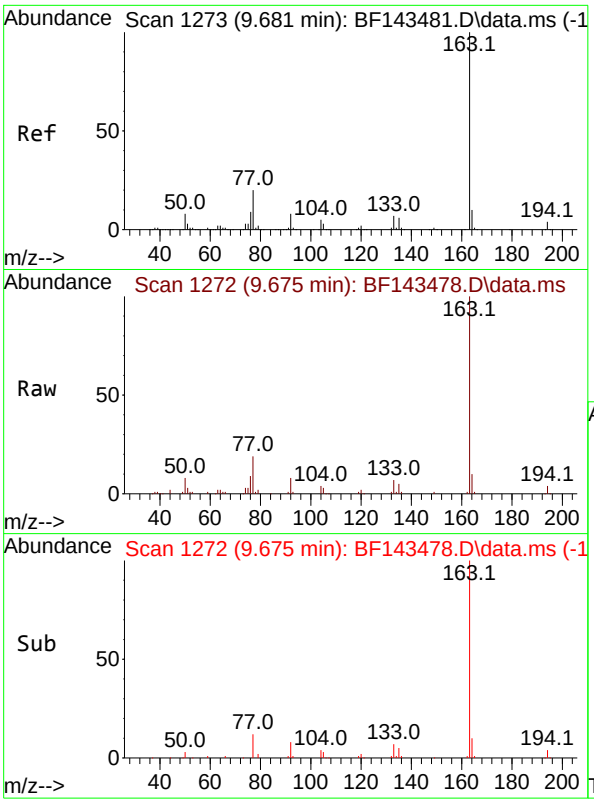


#49
Acenaphthylene
Concen: 5.478 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:152 Resp: 129052

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.4
153	12.8	10.6	15.8



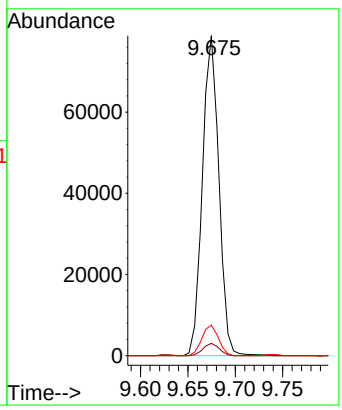


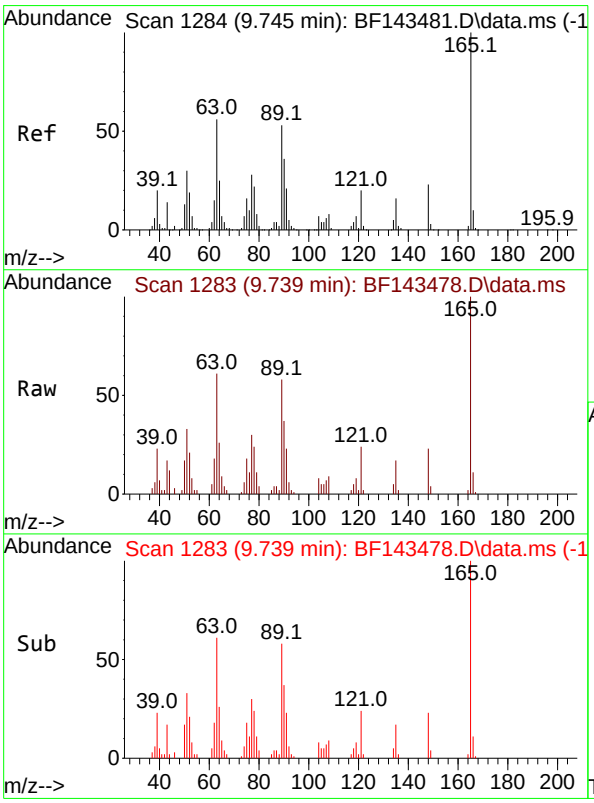
#50
Dimethylphthalate
Concen: 5.366 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 95475

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	9.5	8.2	12.2

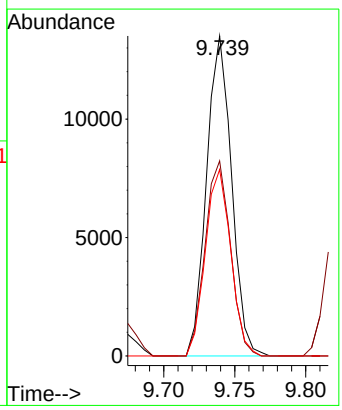


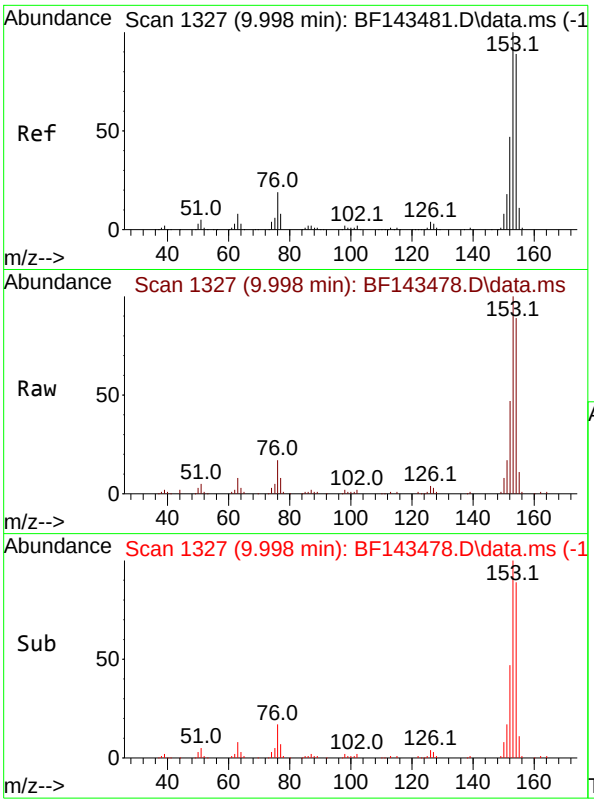


#51
2,6-Dinitrotoluene
Concen: 4.480 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:165 Resp: 16519

Ion	Ratio	Lower	Upper
165	100		
63	61.0	45.0	67.6
89	58.3	42.5	63.7



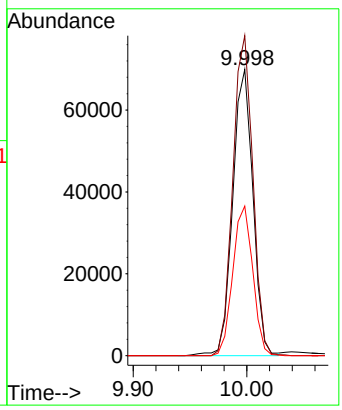


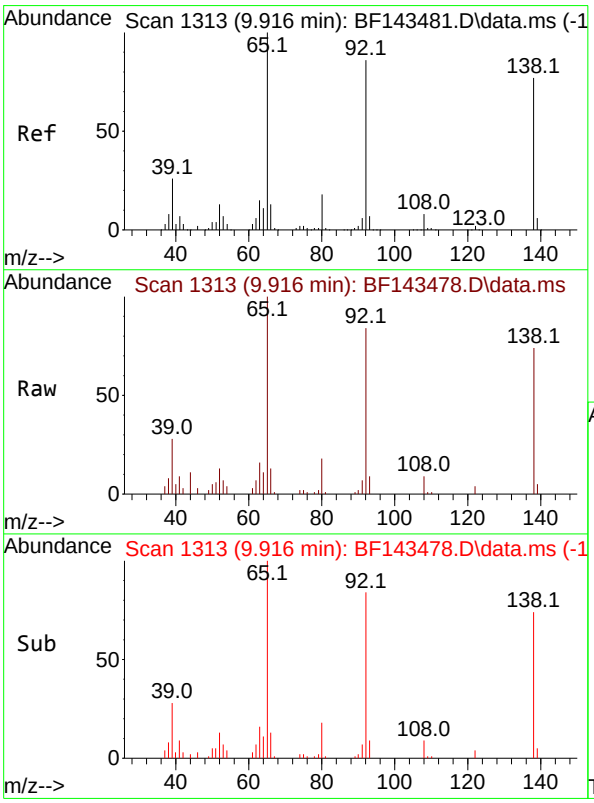
#52
Acenaphthene
Concen: 5.402 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 86399

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	52.3	42.5	63.7

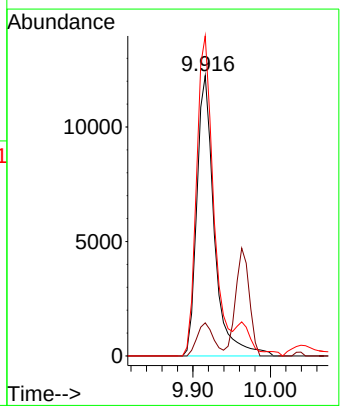


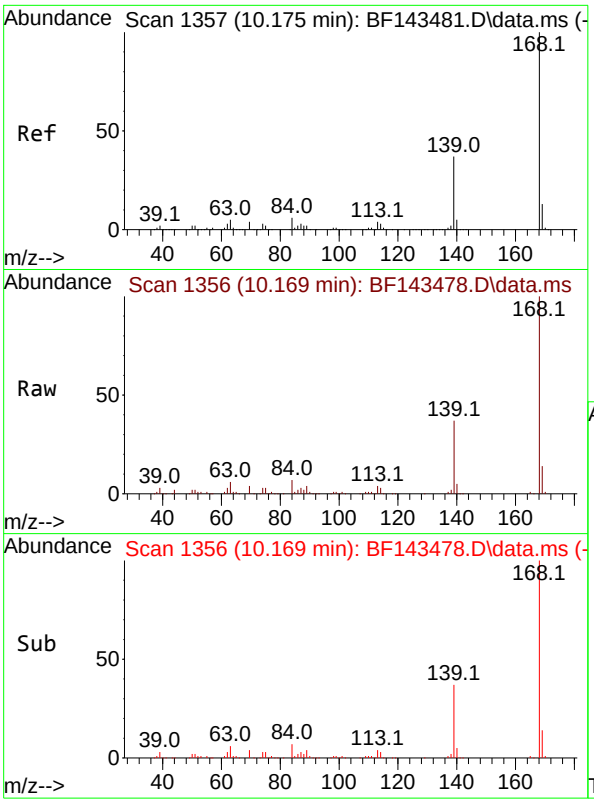


#53
3-Nitroaniline
Concen: 4.817 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:138 Resp: 19195

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.6	13.0
92	114.1	89.8	134.8



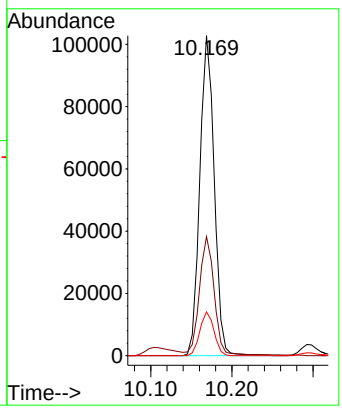


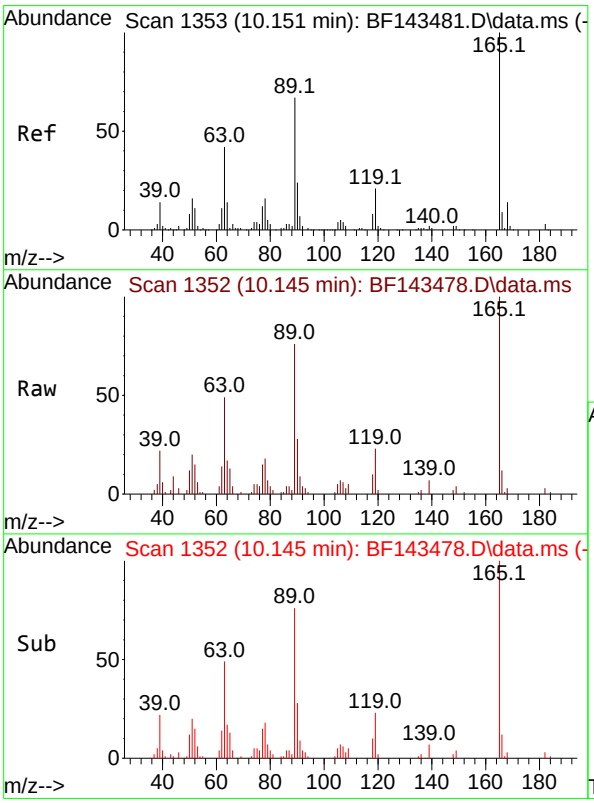
#55
Dibenzofuran
Concen: 5.561 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 126806

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.7	10.8	16.2

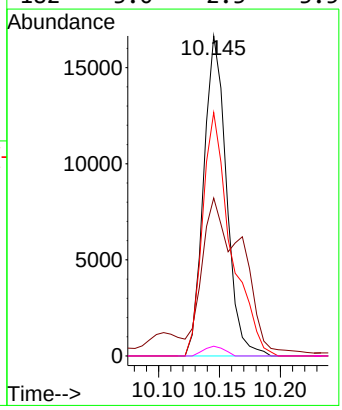


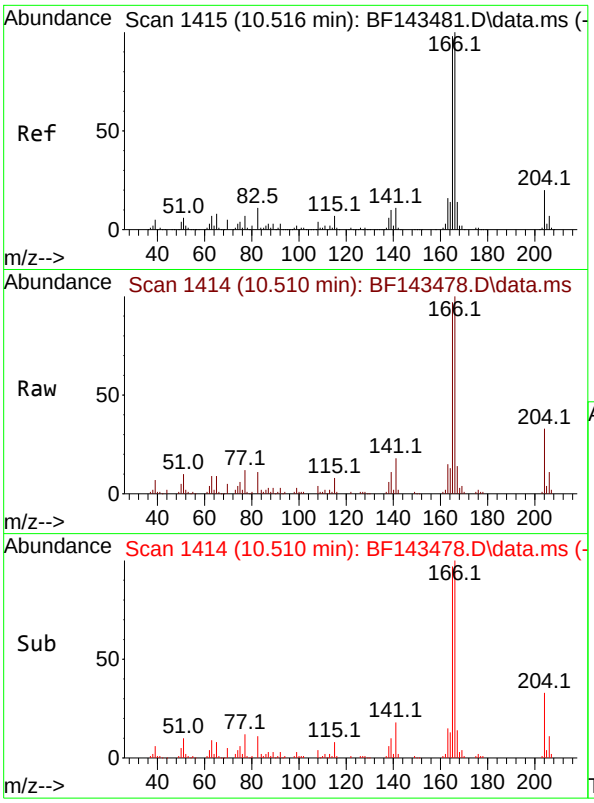


#57
2,4-Dinitrotoluene
Concen: 4.382 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:165 Resp: 21578

Ion	Ratio	Lower	Upper
165	100		
63	49.3	34.9	52.3
89	76.0	53.3	79.9
182	3.0	2.3	3.5



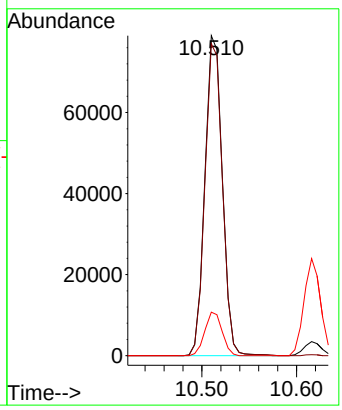


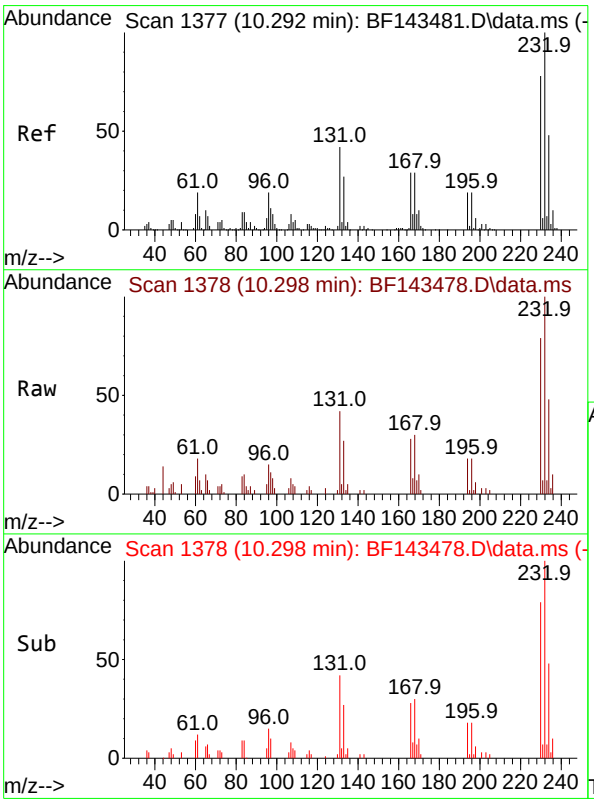
#58
Fluorene
Concen: 5.751 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 100926

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.6	11.0	16.4

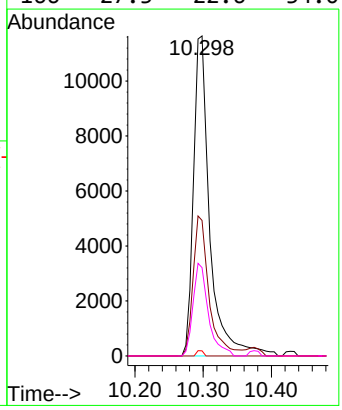


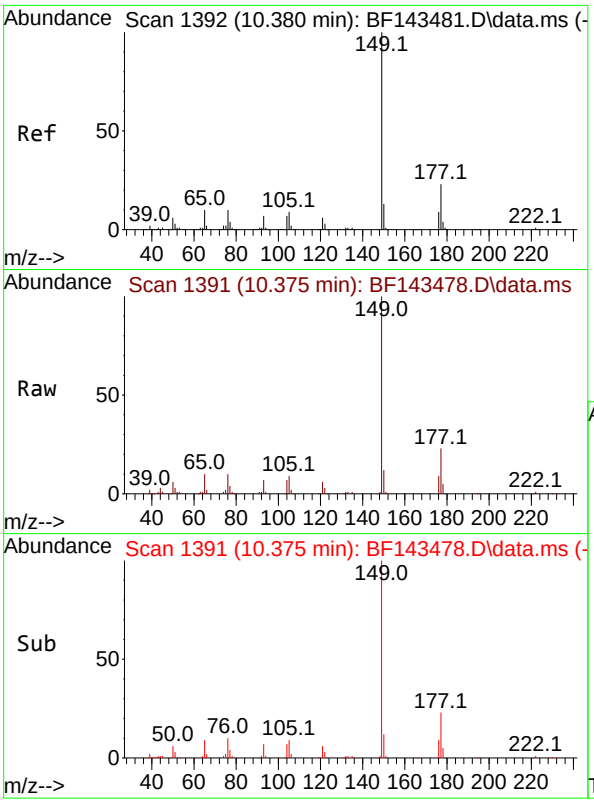


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.576 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:232 Resp: 19308

Ion	Ratio	Lower	Upper
232	100		
131	43.1	32.7	49.1
130	0.7	1.6	2.4#
166	27.3	22.6	34.0



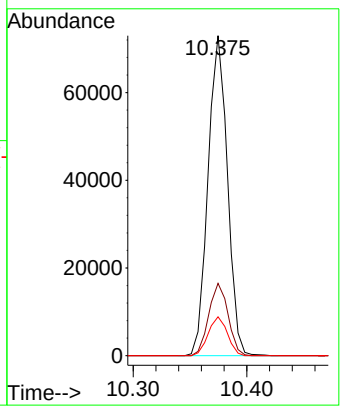


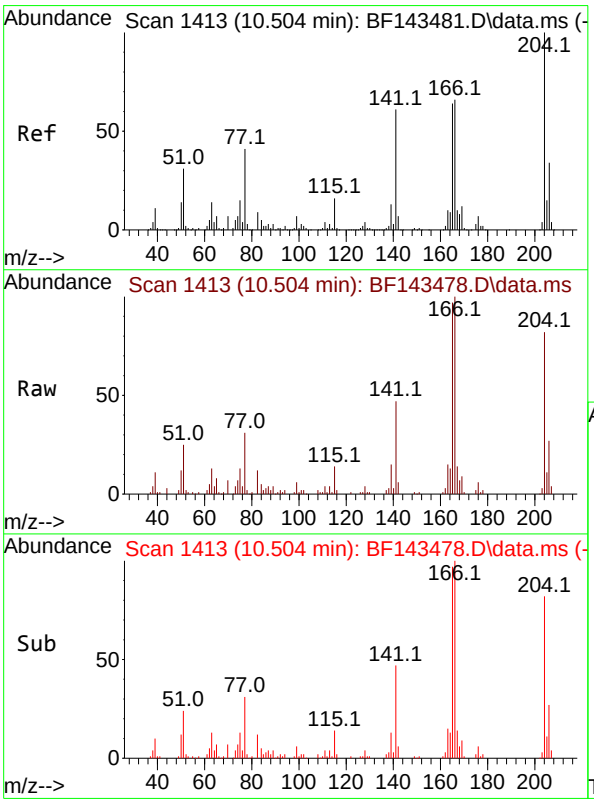
#60
Diethylphthalate
Concen: 5.425 ng
RT: 10.375 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 86539

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.3	27.5
150	12.2	10.3	15.5

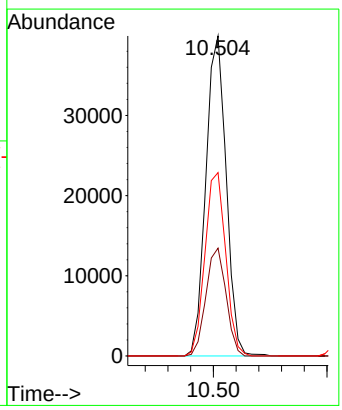


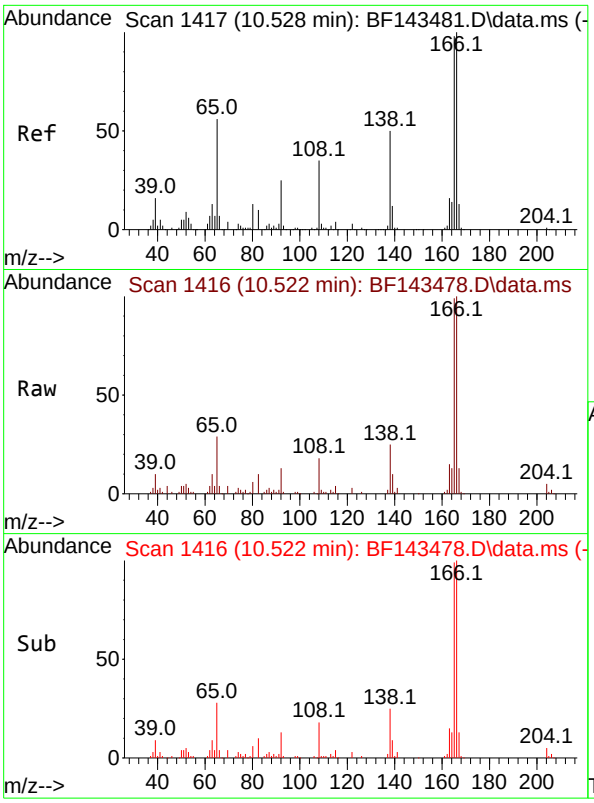


#61
4-Chlorophenyl-phenylether
Concen: 5.647 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:204 Resp: 49563

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	57.3	48.7	73.1



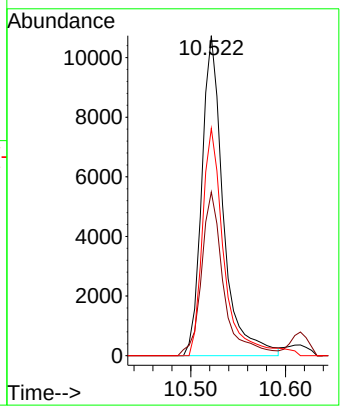


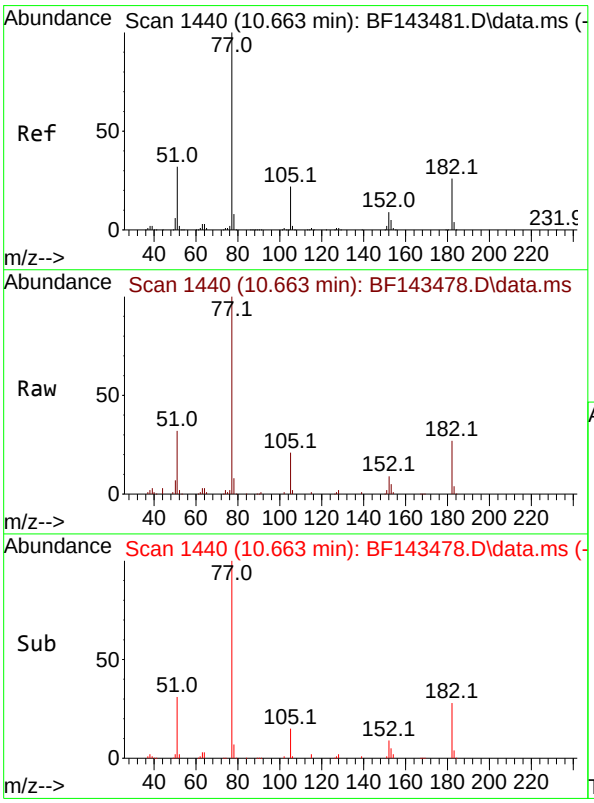
#62
4-Nitroaniline
Concen: 4.645 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 16999

Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.3	69.3
108	71.0	50.7	90.7

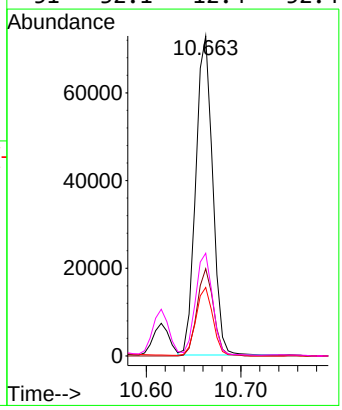


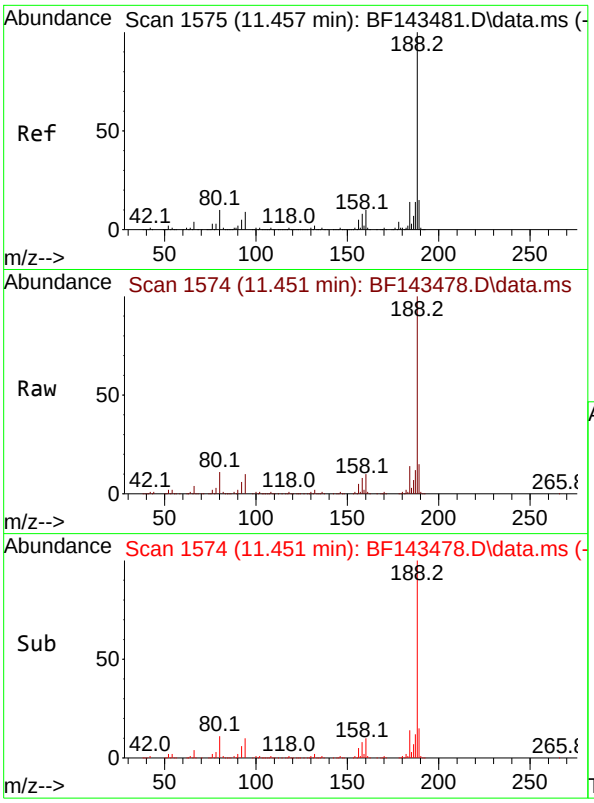


#63
Azobenzene
Concen: 5.452 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion: 77 Resp: 90174

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.2	46.2
105	21.4	2.2	42.2
51	32.1	12.4	52.4



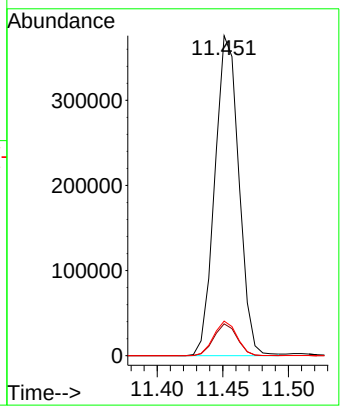


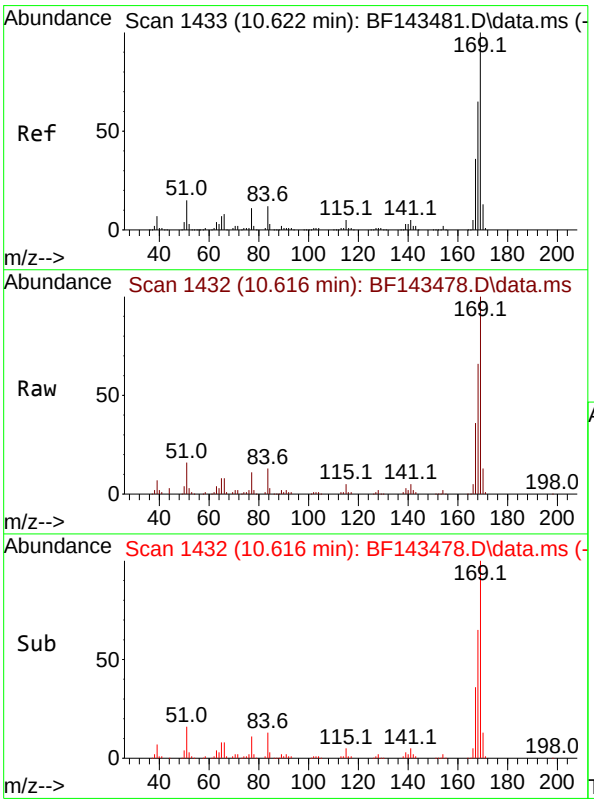
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 479059

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.8	8.2	12.4

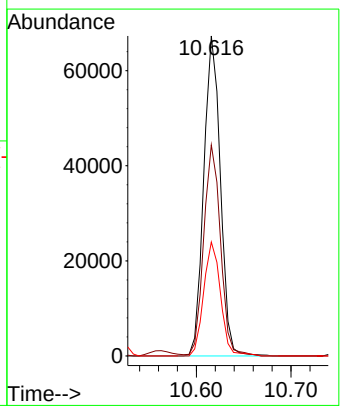


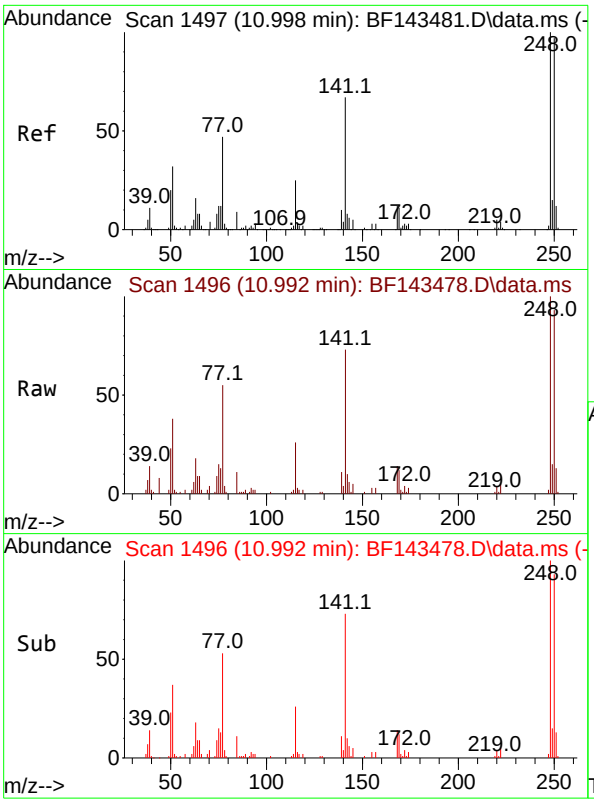


#66
n-Nitrosodiphenylamine
Concen: 5.314 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:169 Resp: 81920

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.4	78.6
167	35.6	28.9	43.3



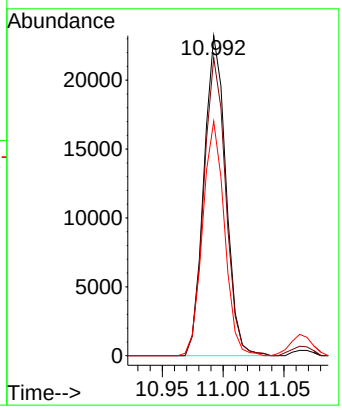


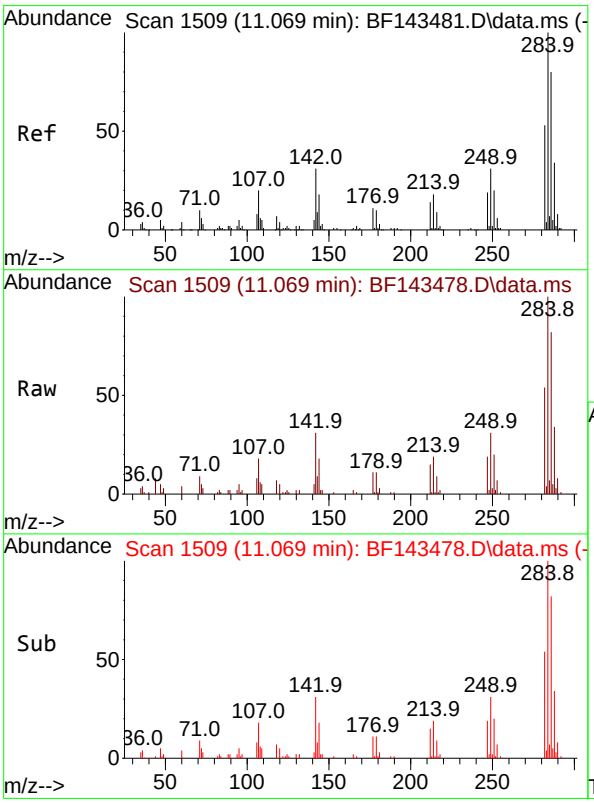
#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 29139

Ion	Ratio	Lower	Upper
248	100		
250	93.1	77.8	116.8
141	73.2	54.0	81.0

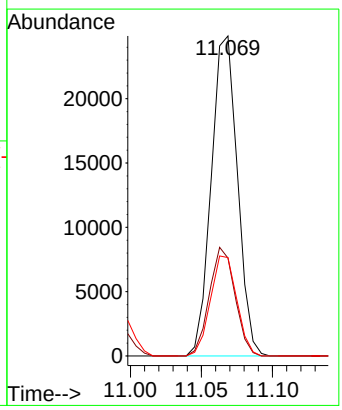


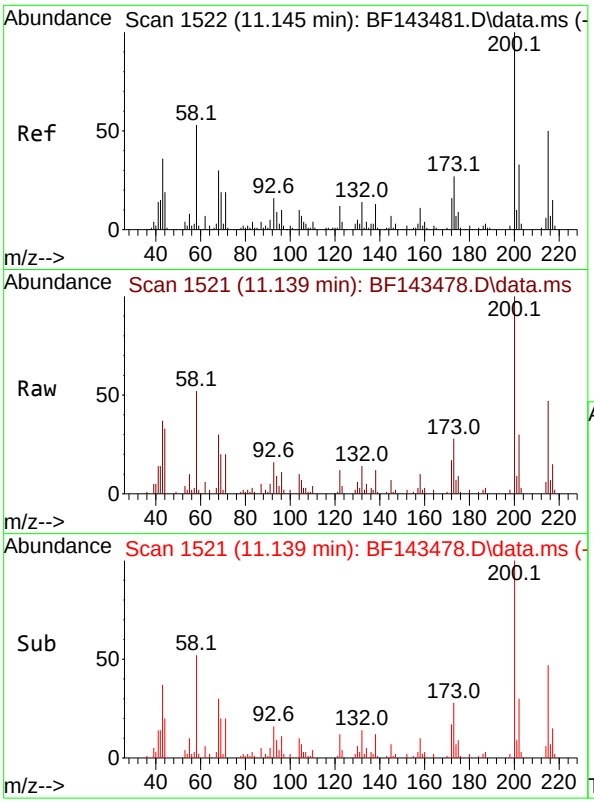


#68
Hexachlorobenzene
Concen: 5.178 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:284 Resp: 31905

Ion	Ratio	Lower	Upper
284	100		
142	30.6	24.4	36.6
249	30.7	25.0	37.6



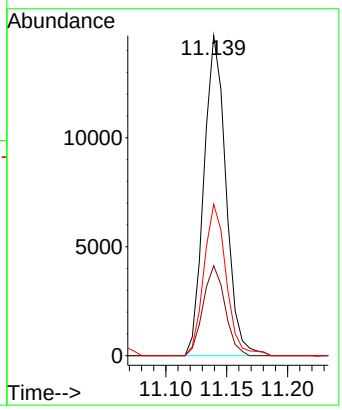


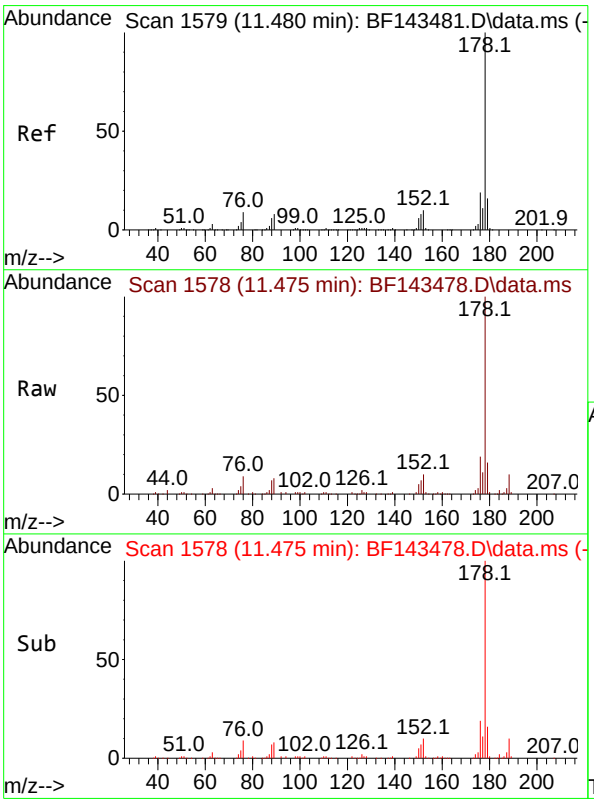
#69
Atrazine
Concen: 4.637 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 18453

Ion	Ratio	Lower	Upper
200	100		
173	28.1	6.9	46.9
215	47.4	30.0	70.0

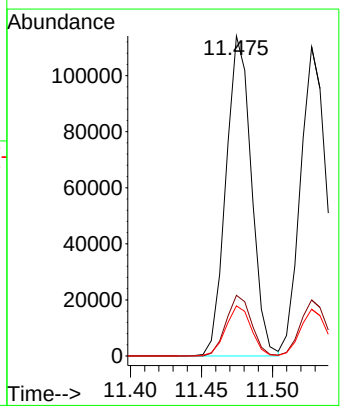


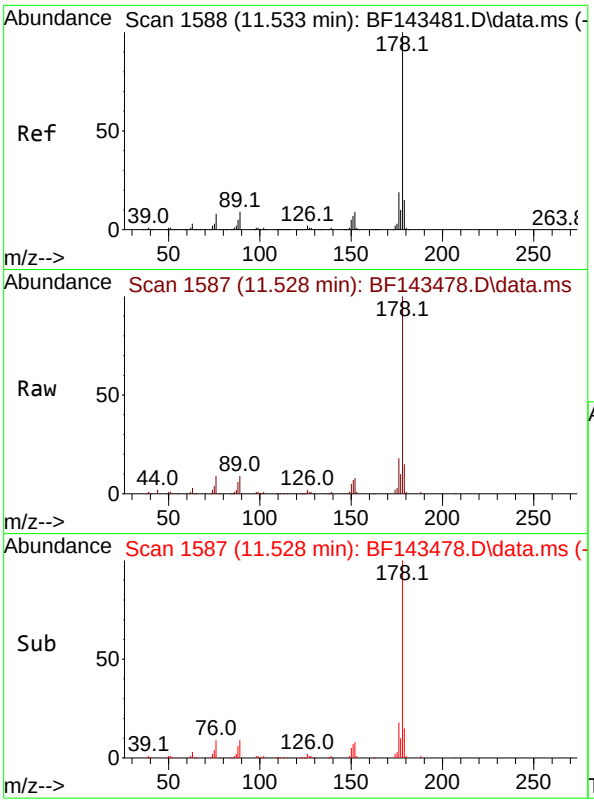


#71
Phenanthrene
Concen: 5.548 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:178 Resp: 142334

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.7	12.5	18.7



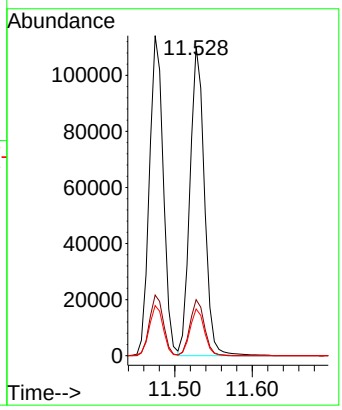


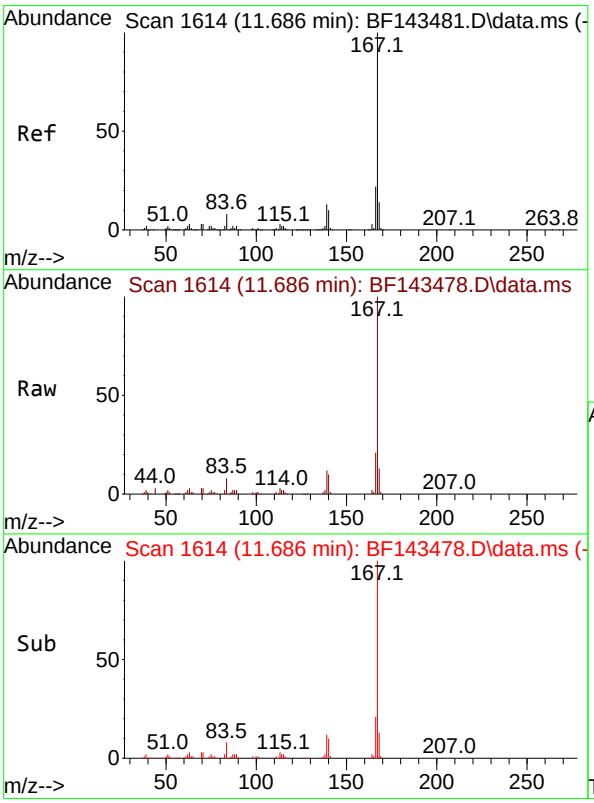
#72
Anthracene
Concen: 5.490 ng
RT: 11.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 142673

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.1	12.3	18.5

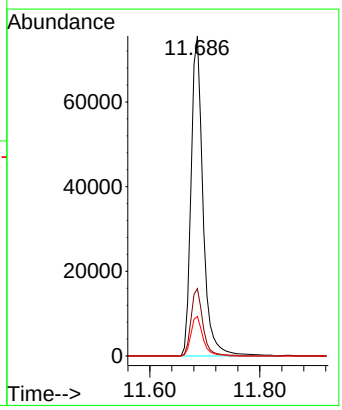


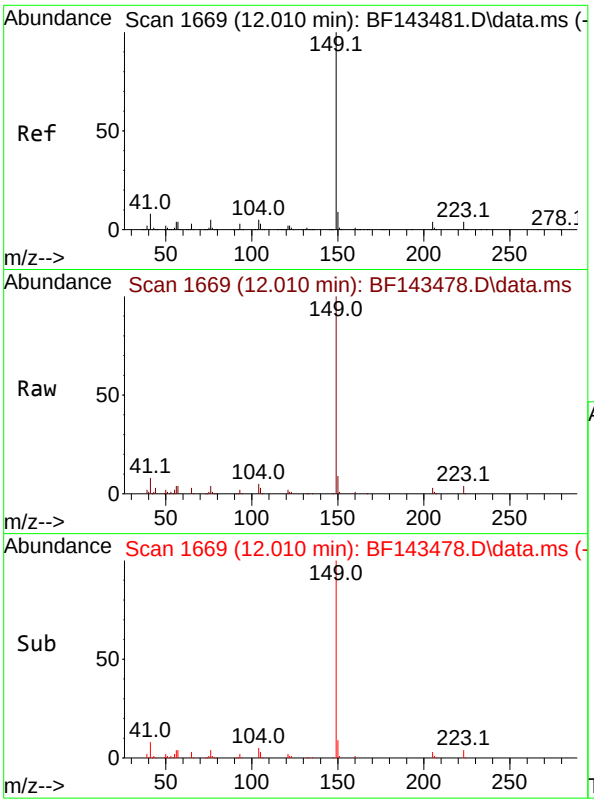


#73
Carbazole
Concen: 5.339 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:167 Resp: 113696

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.3	25.9
139	12.3	10.0	15.0



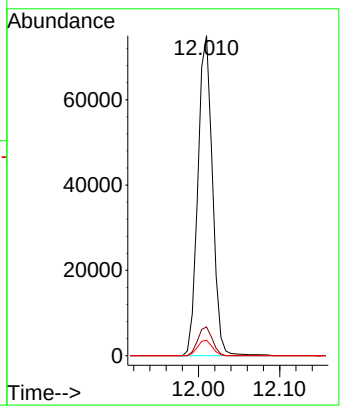


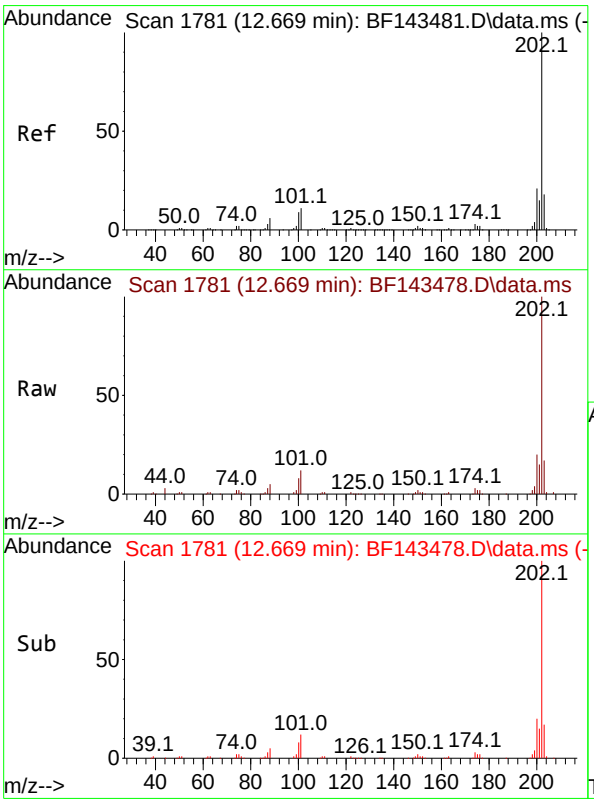
#74
Di-n-butylphthalate
Concen: 4.712 ng
RT: 12.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 93617

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.8	3.6	5.4

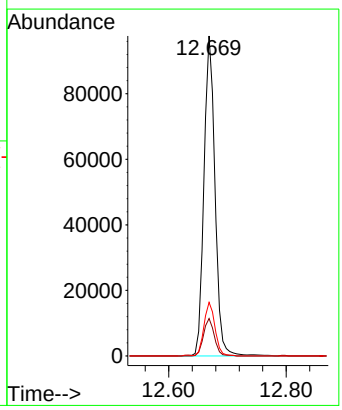


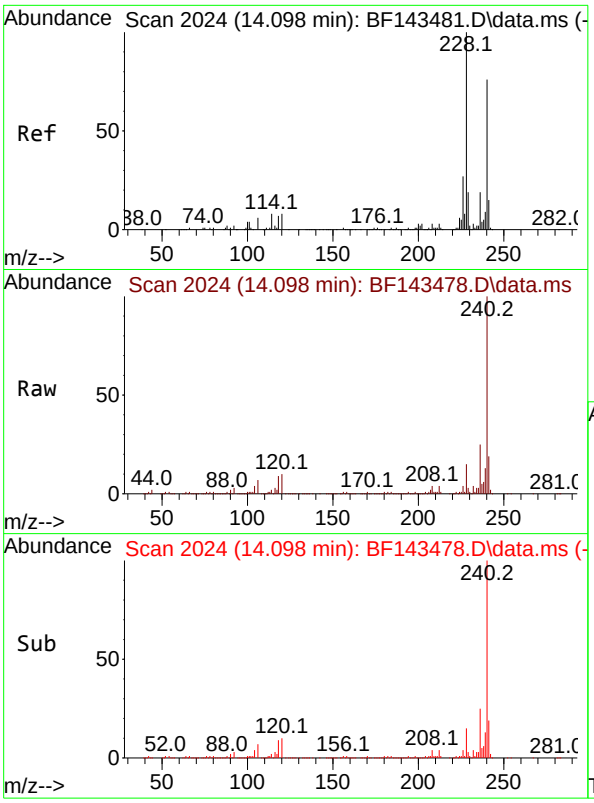


#75
Fluoranthene
Concen: 5.518 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 127015

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.3
203	16.7	0.0	37.9



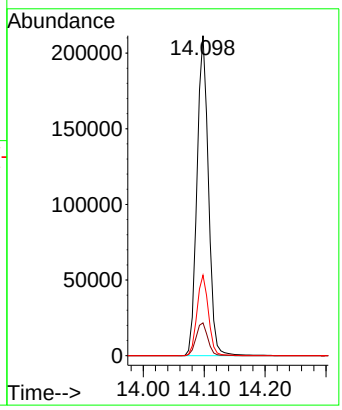


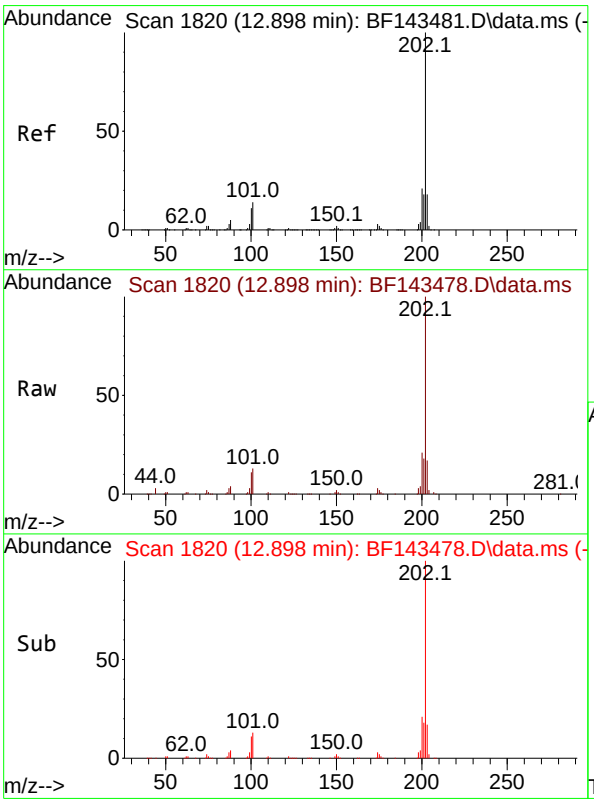
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 275807

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	12.8
236	25.1	20.4	30.6

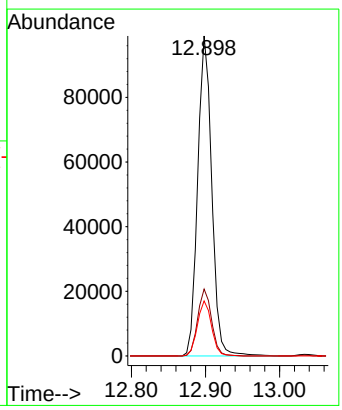


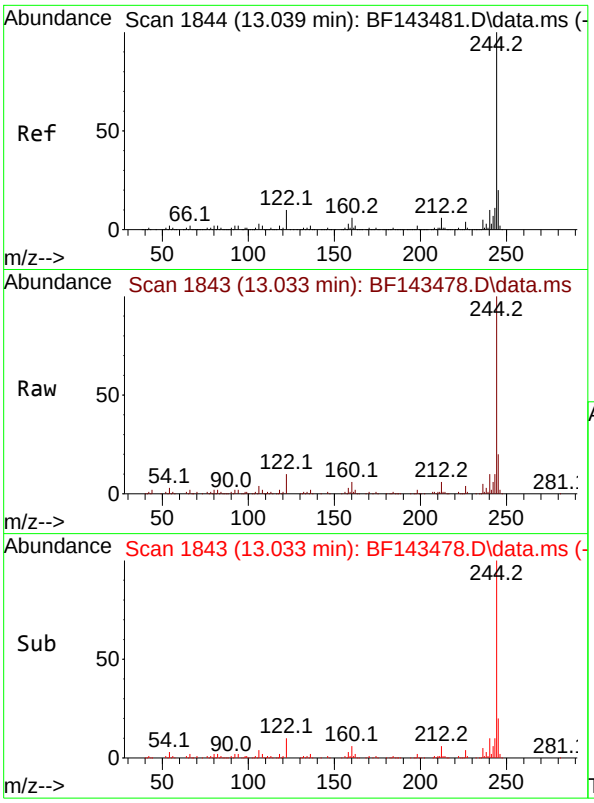


#78
Pyrene
Concen: 5.748 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:202 Resp: 130407

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.2	14.3	21.5



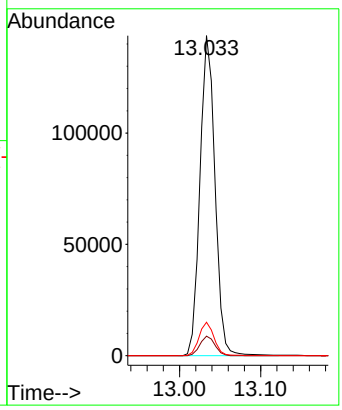


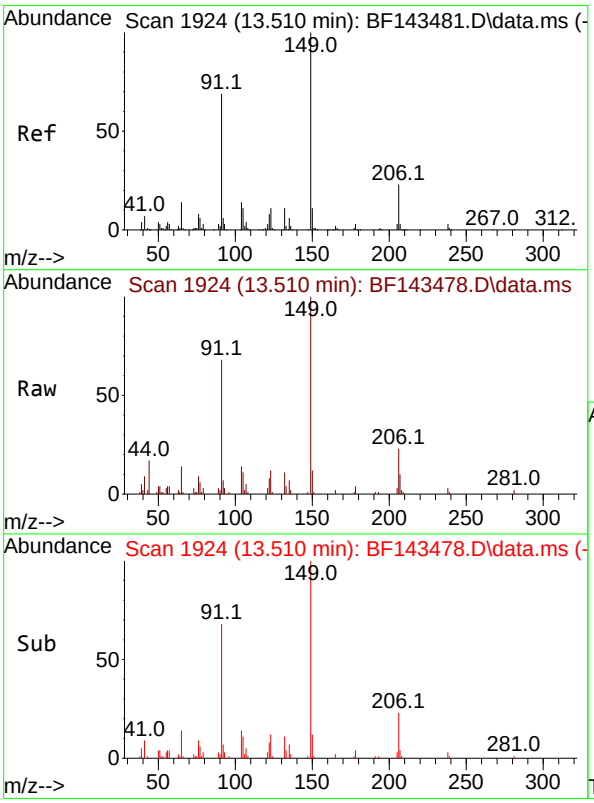
#79
Terphenyl-d14
Concen: 11.698 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 184897

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.2	7.8
122	10.4	7.9	11.9

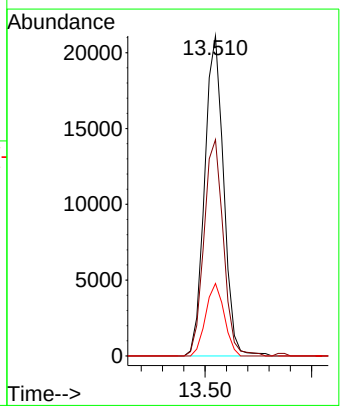


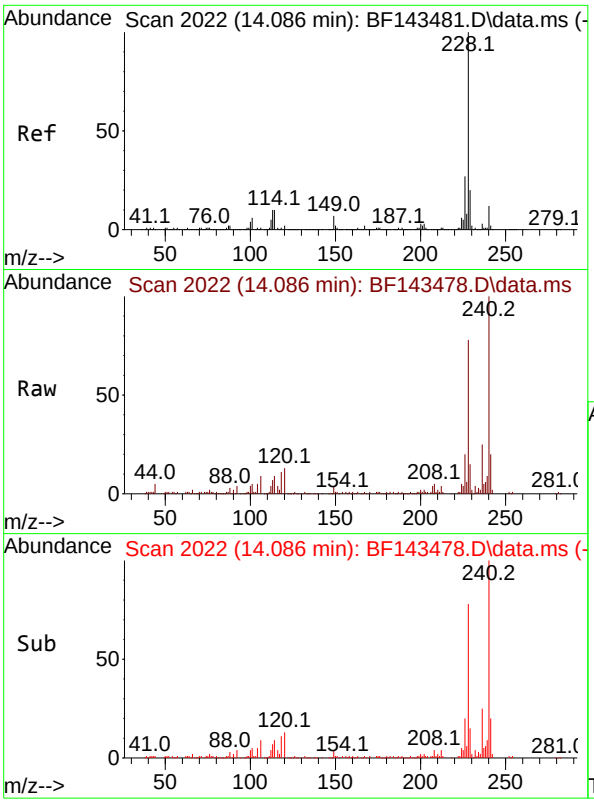


#80
Butylbenzylphthalate
Concen: 4.223 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:149 Resp: 26173

Ion	Ratio	Lower	Upper
149	100		
91	67.6	55.3	82.9
206	22.6	18.2	27.4



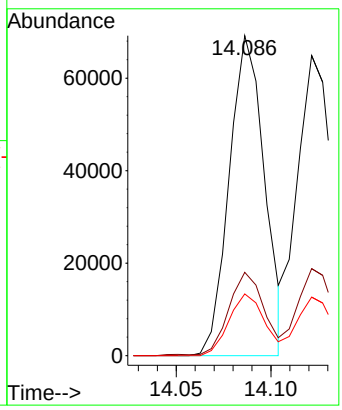


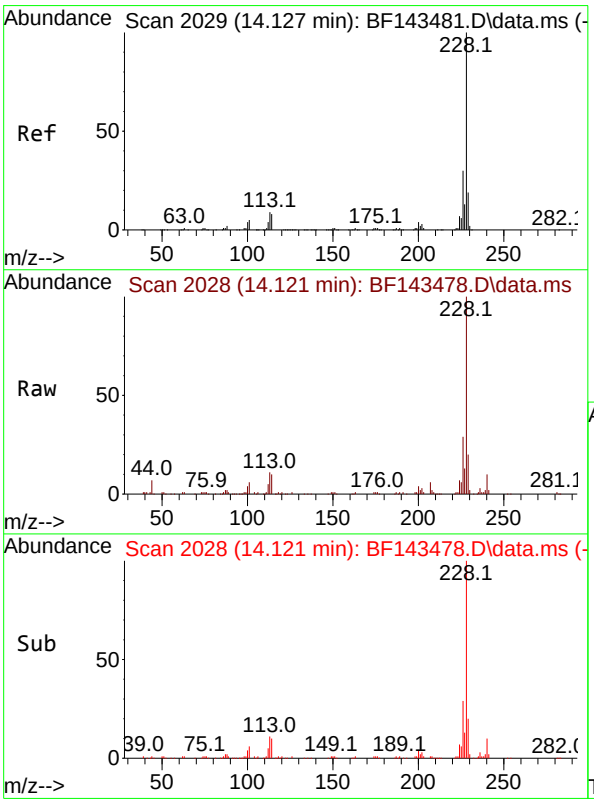
#81
Benzo(a)anthracene
Concen: 5.055 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 89757

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.7	32.5
229	19.3	15.7	23.5

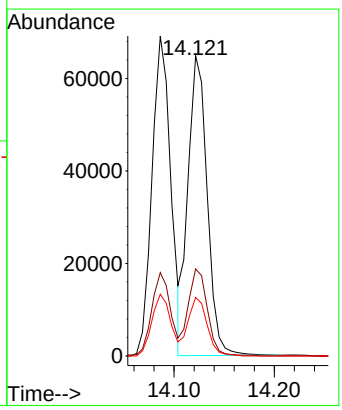


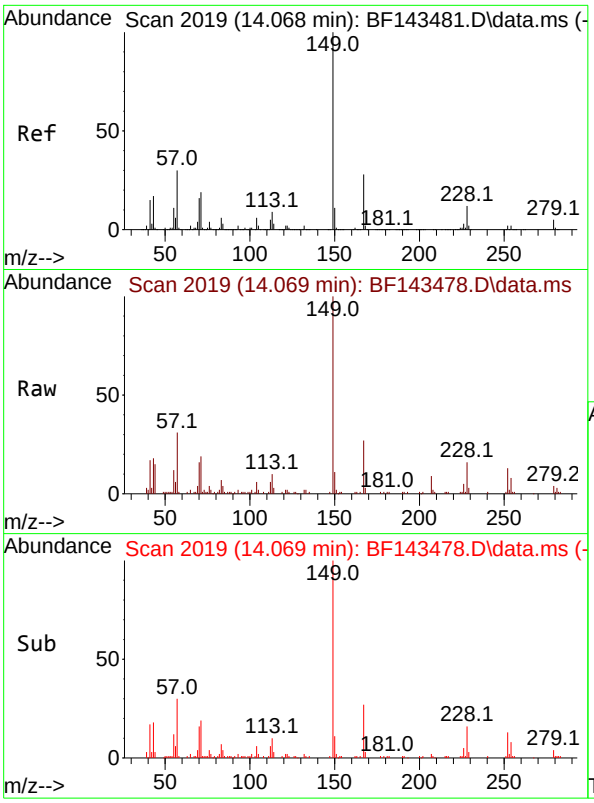


#83
Chrysene
Concen: 5.408 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:228 Resp: 86291

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.5	15.7	23.5



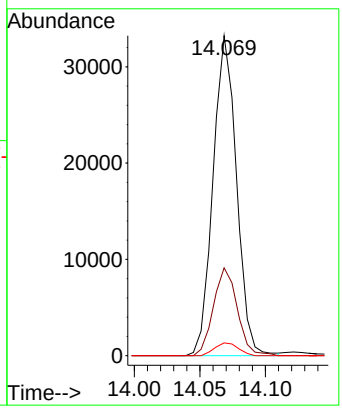


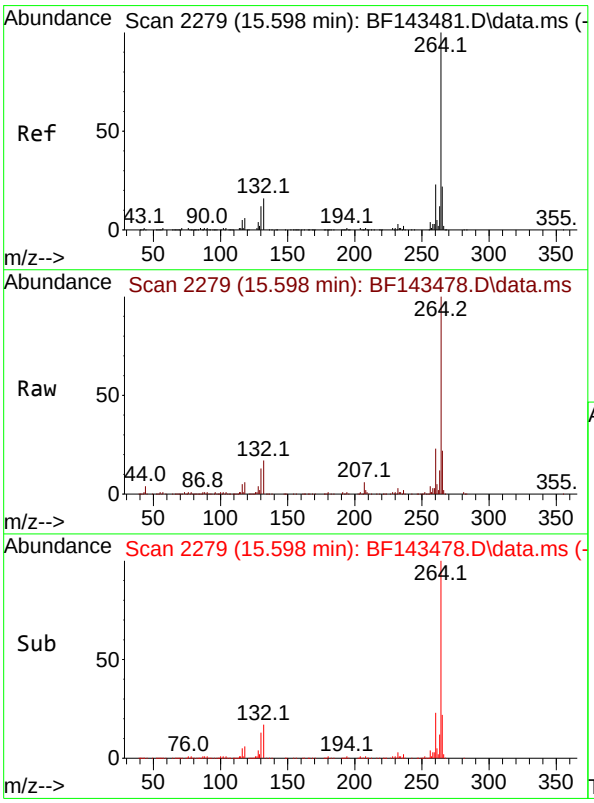
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.380 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 41348

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.2
279	4.0	3.6	5.4

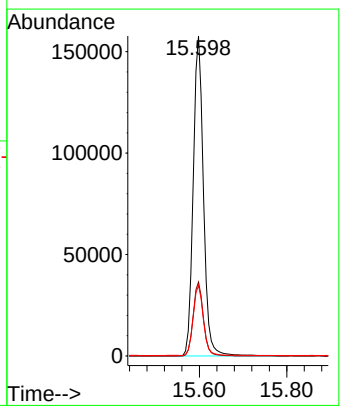


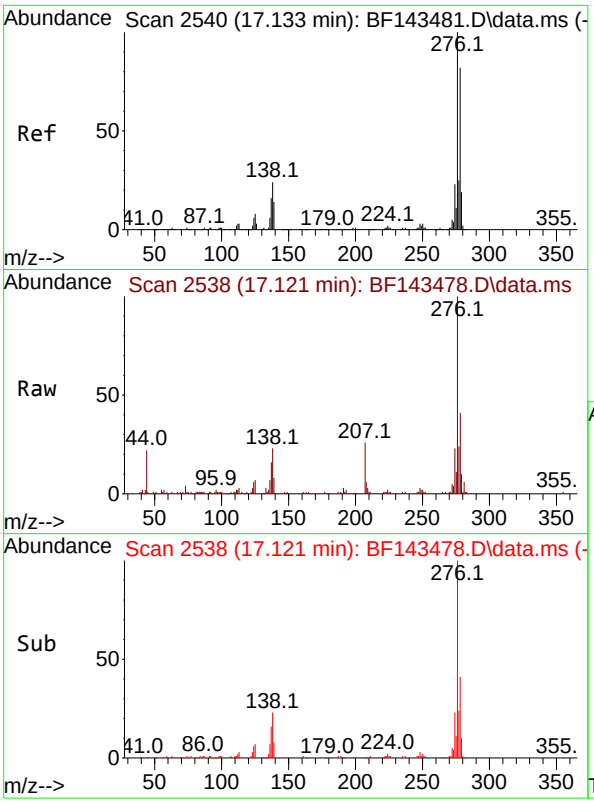


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:264 Resp: 257255

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.0	17.6	26.4



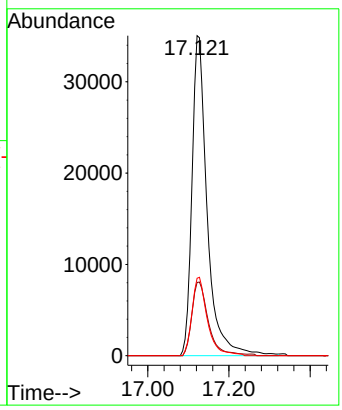


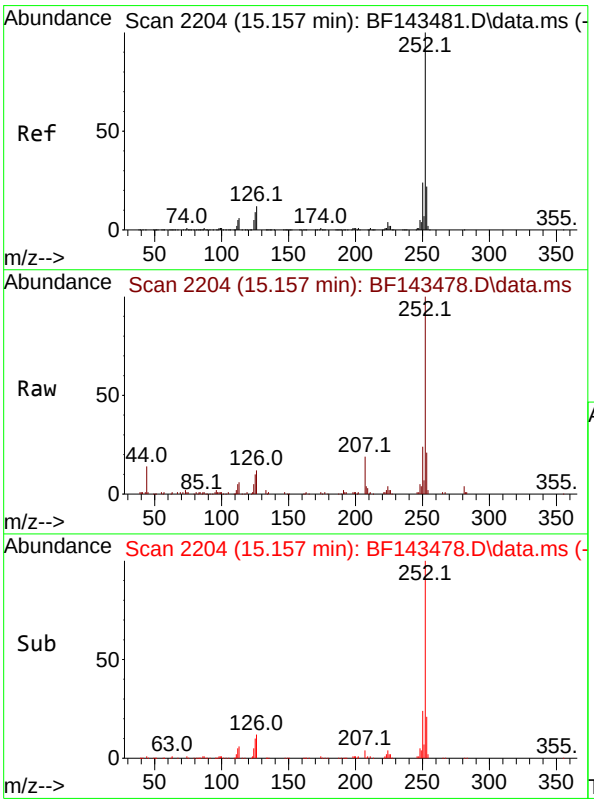
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.958 ng
RT: 17.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 91654

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.2	28.8
277	24.6	20.3	30.5

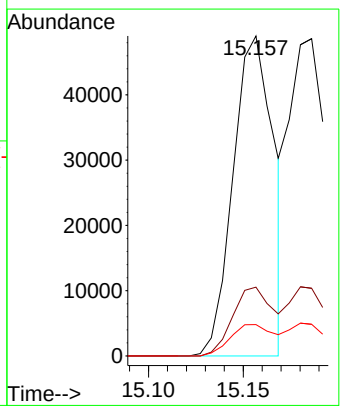


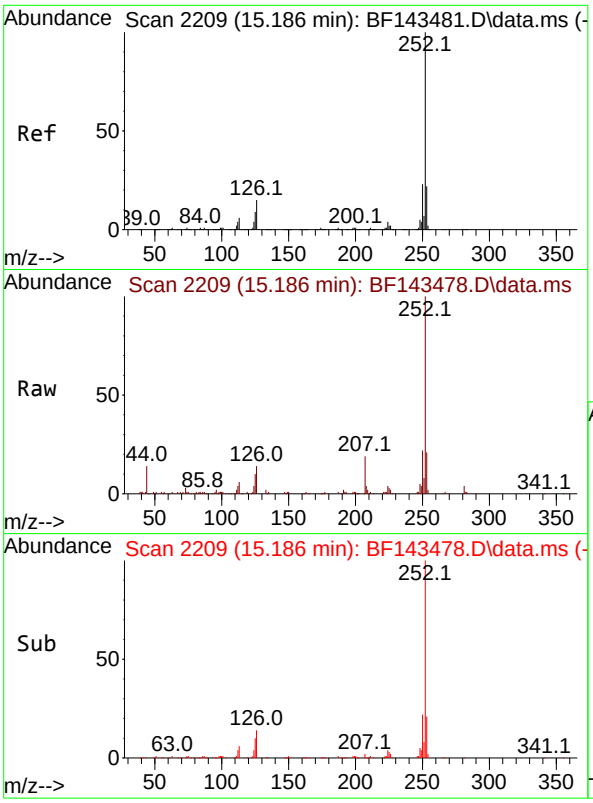


#88
Benzo(b)fluoranthene
Concen: 5.104 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:252 Resp: 72988

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.8	7.4	11.0



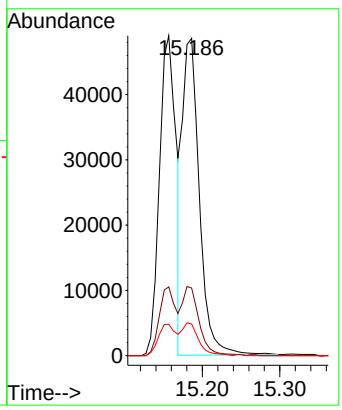


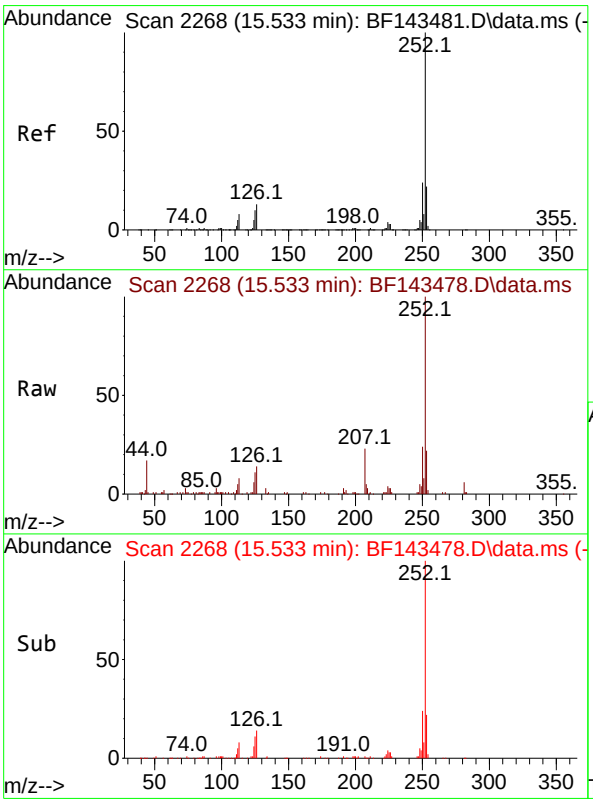
#89
Benzo(k)fluoranthene
Concen: 5.437 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 74440

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	10.0	7.4	11.0

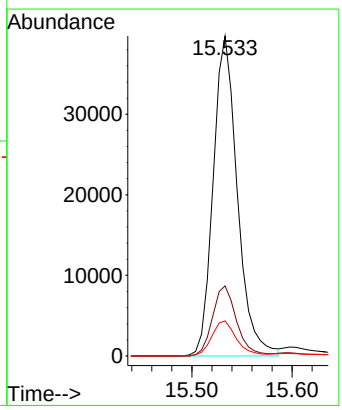


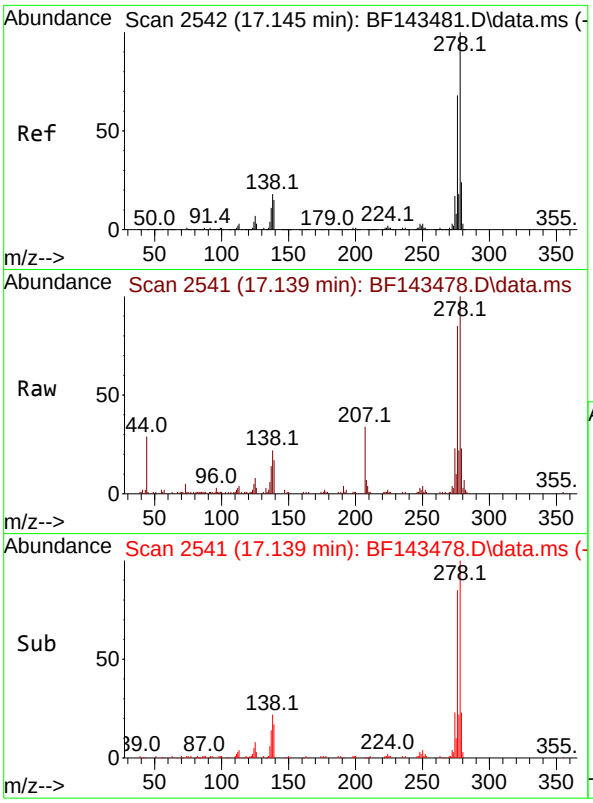


#90
Benzo(a)pyrene
Concen: 5.004 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:252 Resp: 66416

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.9	8.2	12.2



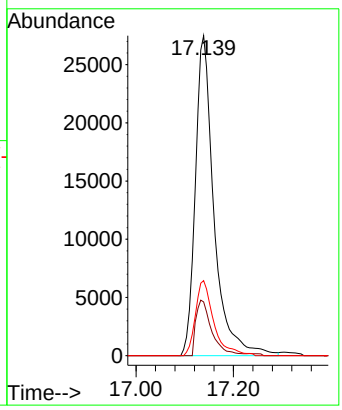


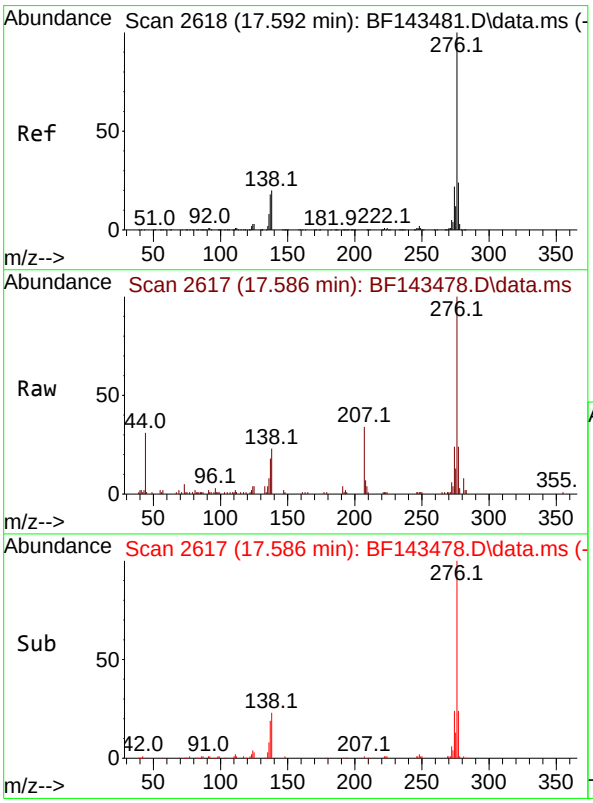
#91
Dibenzo(a,h)anthracene
Concen: 4.946 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 73229

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.1	18.1
279	23.4	19.2	28.8

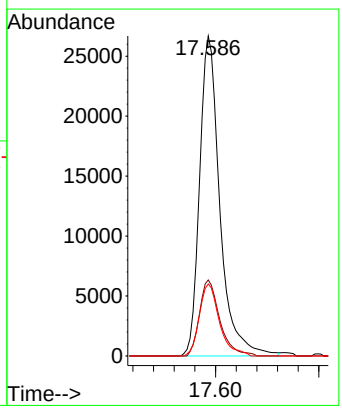




#92
Benzo(g,h,i)perylene
Concen: 4.928 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143478.D
Acq: 20 Aug 2025 11:25

Tgt Ion:276 Resp: 72556

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.5	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143479.D
Acq On : 20 Aug 2025 11:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 20 16:20:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	138225	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	525191	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	291754	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	461672	20.000	ng		0.00
76) Chrysene-d12	14.098	240	274933	20.000	ng		0.00
86) Perylene-d12	15.598	264	265385	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	165533	20.911	ng		0.00
7) Phenol-d6	6.557	99	201752	20.646	ng		-0.02
23) Nitrobenzene-d5	7.481	82	181268	20.141	ng		-0.02
42) 2,4,6-Tribromophenol	10.751	330	54980	20.244	ng		-0.01
45) 2-Fluorobiphenyl	9.280	172	389874	22.085	ng		0.00
79) Terphenyl-d14	13.033	244	344924	21.893	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.746	88	36526	9.961	ng		99
3) Pyridine	3.540	79	96225	9.852	ng		99
4) n-Nitrosodimethylamine	3.451	42	41741	9.507	ng	#	97
6) Aniline	6.587	93	136107	10.420	ng		98
8) 2-Chlorophenol	6.716	128	88766	10.152	ng		98
9) Benzaldehyde	6.475	77	69636	8.802	ng		99
10) Phenol	6.569	94	117160	10.408	ng		82
11) bis(2-Chloroethyl)ether	6.651	93	84985	10.102	ng		97
12) 1,3-Dichlorobenzene	6.869	146	100273	10.207	ng		100
13) 1,4-Dichlorobenzene	6.945	146	102802	10.432	ng		97
14) 1,2-Dichlorobenzene	7.098	146	97628	10.464	ng		99
15) Benzyl Alcohol	7.063	79	71642	9.792	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	145437	10.806	ng		99
17) 2-Methylphenol	7.181	107	71996	10.260	ng		95
18) Hexachloroethane	7.439	117	34428	10.276	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	63026	10.552	ng		98
20) 3+4-Methylphenols	7.334	107	92430	11.034	ng		99
22) Acetophenone	7.328	105	121914	10.745	ng		97
24) Nitrobenzene	7.504	77	92261	9.960	ng		99
25) Isophorone	7.739	82	165391	10.025	ng		99
26) 2-Nitrophenol	7.822	139	43444	9.575	ng		98
27) 2,4-Dimethylphenol	7.857	122	71477	10.105	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	104720	10.329	ng		98
29) 2,4-Dichlorophenol	8.069	162	78518	10.394	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	78780	10.143	ng		100
31) Naphthalene	8.228	128	264837	10.503	ng		100
32) Benzoic acid	7.957	122	22608	10.817	ng		96
33) 4-Chloroaniline	8.281	127	90644	10.129	ng		98
34) Hexachlorobutadiene	8.351	225	52299	10.321	ng		99
35) Caprolactam	8.616	113	16494	9.099	ng		98
36) 4-Chloro-3-methylphenol	8.757	107	76657	10.126	ng		99
37) 2-Methylnaphthalene	8.922	142	179574	10.663	ng		99
38) 1-Methylnaphthalene	9.022	142	170845	10.606	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	85181	10.207	ng		99
41) Hexachlorocyclopentadiene	9.080	237	14243	10.484	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	50602	9.854	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143479.D
Acq On : 20 Aug 2025 11:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 20 16:20:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

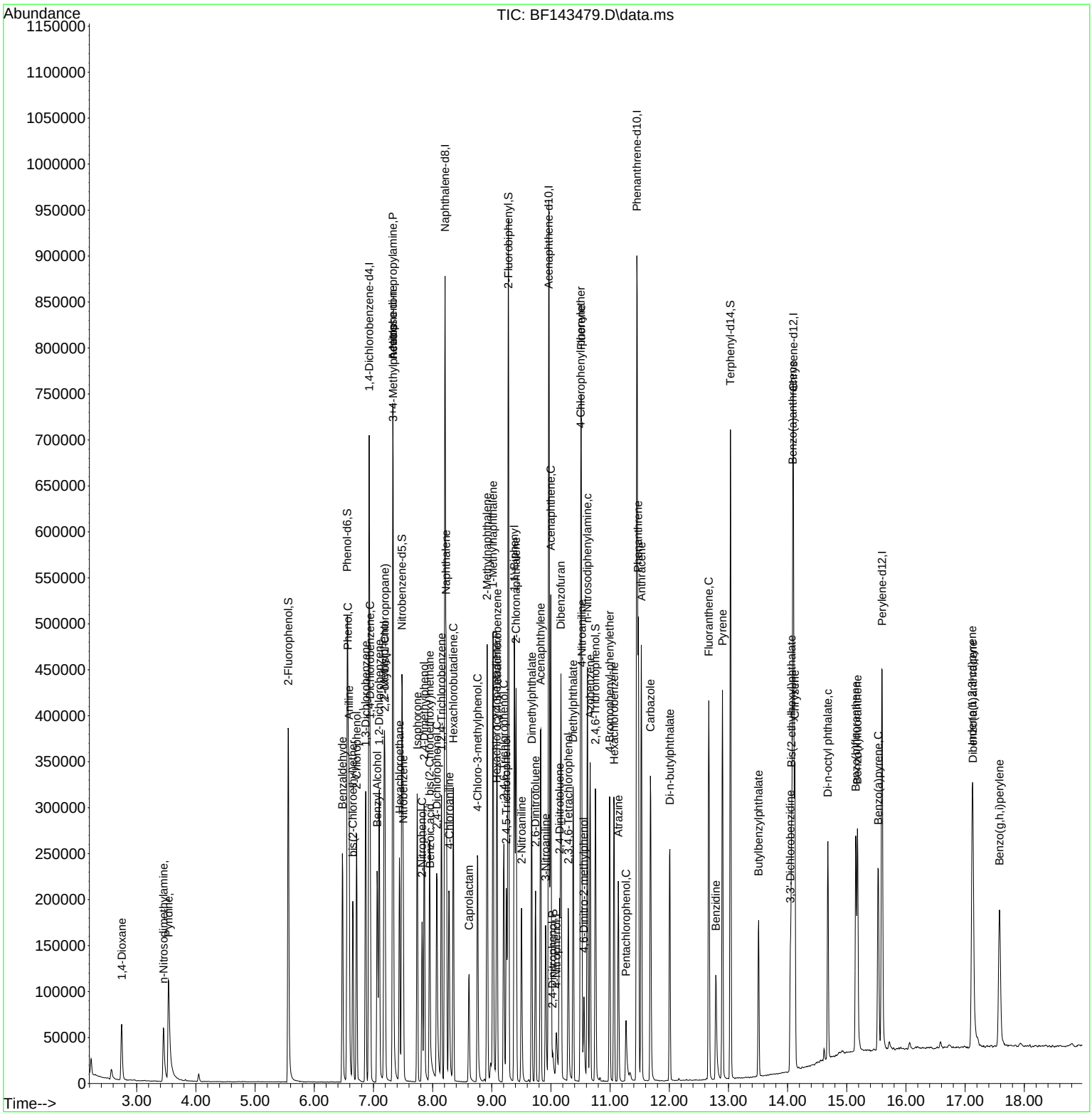
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	54832	9.775	ng		97
46) 1,1'-Biphenyl	9.380	154	219538	10.602	ng		98
47) 2-Chloronaphthalene	9.410	162	169967	10.461	ng		99
48) 2-Nitroaniline	9.504	65	45630	9.596	ng		97
49) Acenaphthylene	9.827	152	242638	10.429	ng		99
50) Dimethylphthalate	9.675	163	177820	10.120	ng		99
51) 2,6-Dinitrotoluene	9.739	165	34570	9.493	ng		98
52) Acenaphthene	9.998	154	164918	10.441	ng		100
53) 3-Nitroaniline	9.910	138	37475	9.523	ng		97
54) 2,4-Dinitrophenol	10.027	184	10431	10.295	ng		87
55) Dibenzofuran	10.169	168	237099	10.528	ng		99
56) 4-Nitrophenol	10.092	139	16733	7.146	ng		98
57) 2,4-Dinitrotoluene	10.145	165	46361	9.534	ng		96
58) Fluorene	10.510	166	187535	10.820	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	38561	9.253	ng	#	98
60) Diethylphthalate	10.375	149	160006	10.156	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	90965	10.494	ng		97
62) 4-Nitroaniline	10.522	138	34518	9.550	ng		98
63) Azobenzene	10.663	77	168373	10.307	ng		99
65) 4,6-Dinitro-2-methylph...	10.557	198	19659	7.552	ng		95
66) n-Nitrosodiphenylamine	10.616	169	152607	10.271	ng		98
67) 4-Bromophenyl-phenylether	10.992	248	55324	10.043	ng		98
68) Hexachlorobenzene	11.069	284	60577	10.202	ng		98
69) Atrazine	11.139	200	36074	9.406	ng		98
70) Pentachlorophenol	11.269	266	20373	7.492	ng		98
71) Phenanthrene	11.474	178	259254	10.486	ng		99
72) Anthracene	11.527	178	263998	10.541	ng		99
73) Carbazole	11.680	167	213439	10.400	ng		99
74) Di-n-butylphthalate	12.010	149	184596	9.642	ng		99
75) Fluoranthene	12.668	202	235543	10.618	ng		99
77) Benzidine	12.786	184	84040	12.549	ng		99
78) Pyrene	12.898	202	243049	10.747	ng		98
80) Butylbenzylphthalate	13.510	149	55227	8.939	ng		97
81) Benzo(a)anthracene	14.086	228	175192	9.898	ng		99
82) 3,3'-Dichlorobenzidine	14.045	252	48491	9.566	ng		97
83) Chrysene	14.121	228	164205	10.323	ng		99
84) Bis(2-ethylhexyl)phtha...	14.068	149	86065	9.146	ng		99
85) Di-n-octyl phthalate	14.680	149	155239	8.906	ng		100
87) Indeno(1,2,3-cd)pyrene	17.121	276	190133	9.970	ng		99
88) Benzo(b)fluoranthene	15.151	252	152145	10.314	ng		99
89) Benzo(k)fluoranthene	15.180	252	134513	9.524	ng		99
90) Benzo(a)pyrene	15.533	252	135536	9.898	ng		100
91) Dibenzo(a,h)anthracene	17.133	278	154454	10.113	ng		99
92) Benzo(g,h,i)perylene	17.580	276	149813	9.865	ng		99

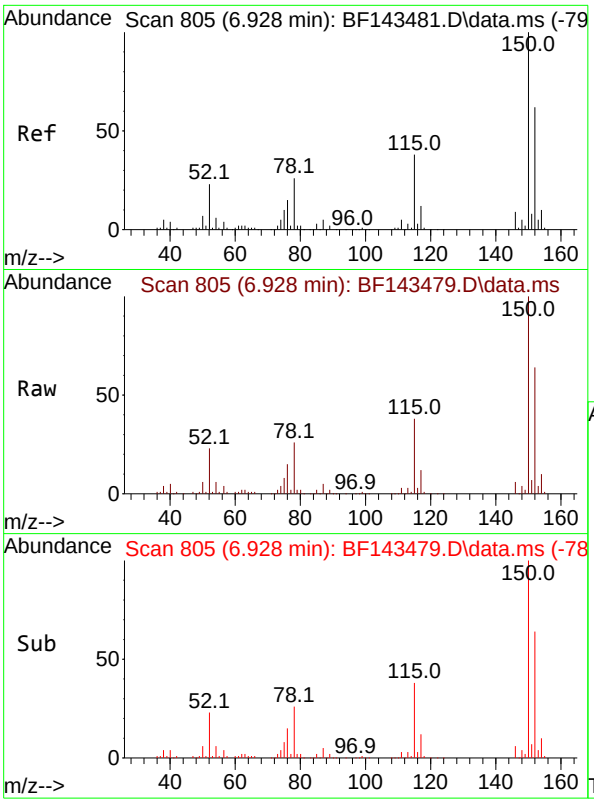
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143479.D
Acq On : 20 Aug 2025 11:54
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 20 16:20:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



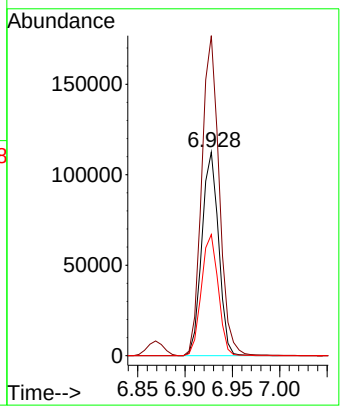


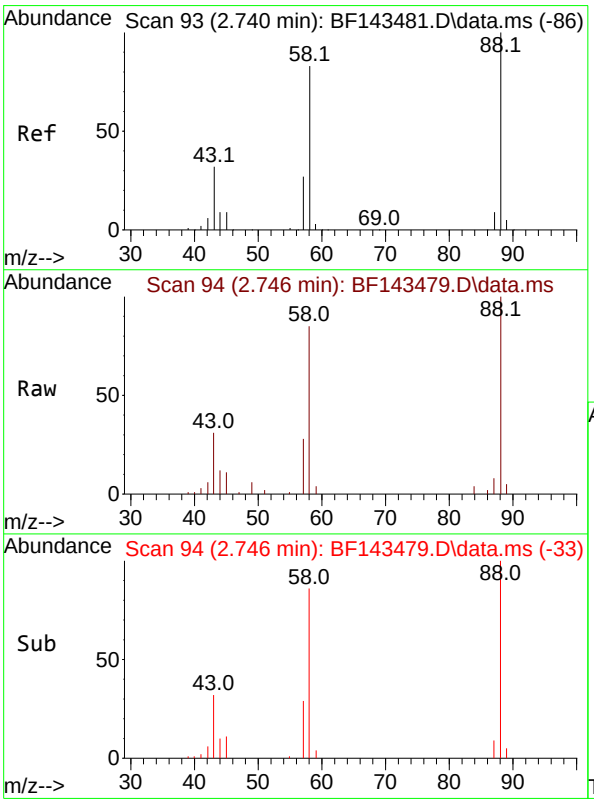
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 138225

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.9	193.3
115	59.5	49.2	73.8

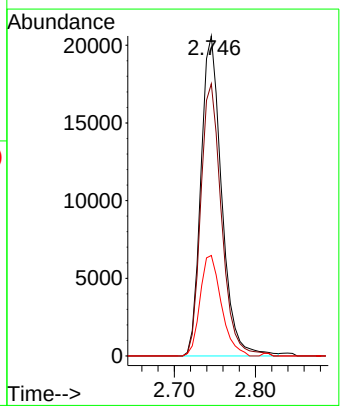


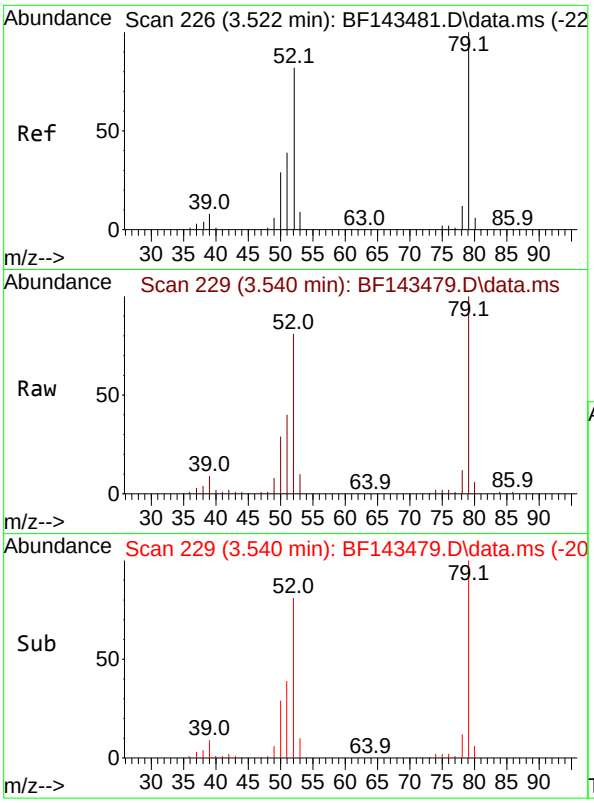


#2
1,4-Dioxane
Concen: 9.961 ng
RT: 2.746 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 88 Resp: 36526

Ion	Ratio	Lower	Upper
88	100		
58	84.9	66.7	100.1
43	32.3	25.8	38.8



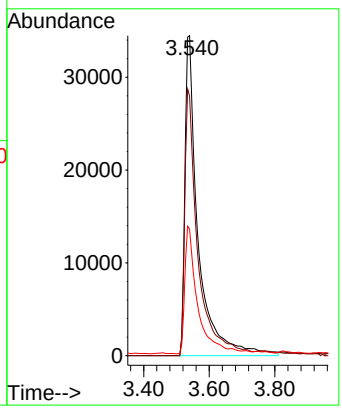


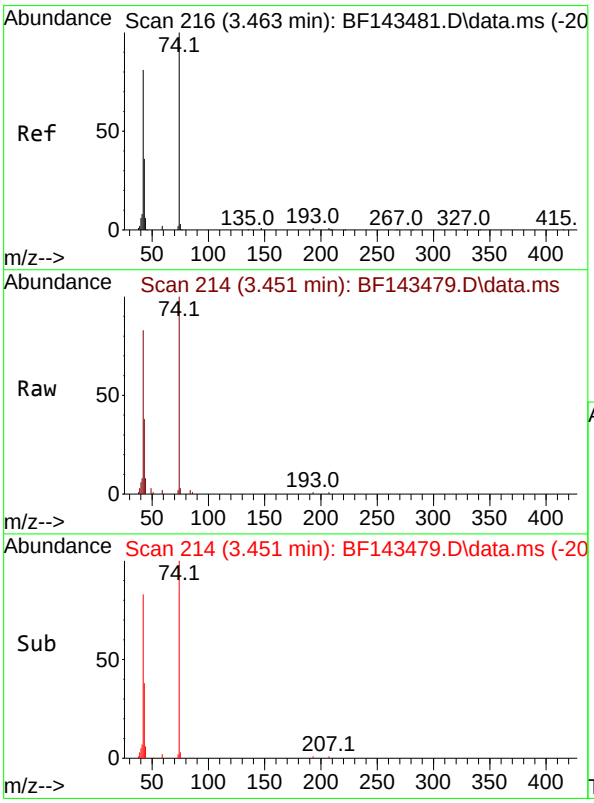
#3
Pyridine
Concen: 9.852 ng
RT: 3.540 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 96225

Ion	Ratio	Lower	Upper
79	100		
52	81.2	65.6	98.4
51	39.6	31.2	46.8

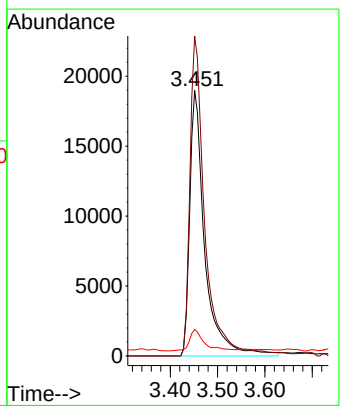


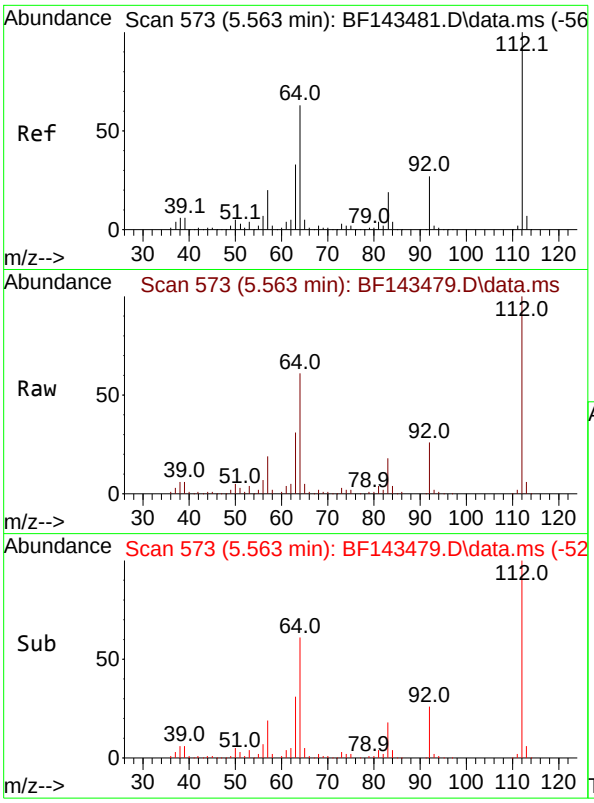


#4
n-Nitrosodimethylamine
Concen: 9.507 ng
RT: 3.451 min Scan# 214
Delta R.T. -0.024 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 42 Resp: 41741

Ion	Ratio	Lower	Upper
42	100		
74	120.6	98.6	148.0
44	10.0	5.8	8.8#



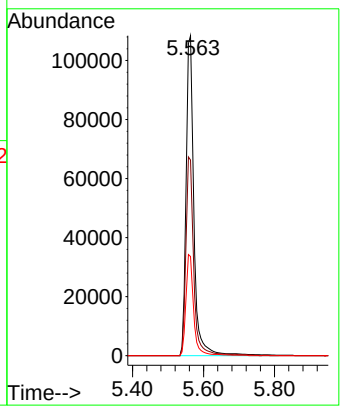


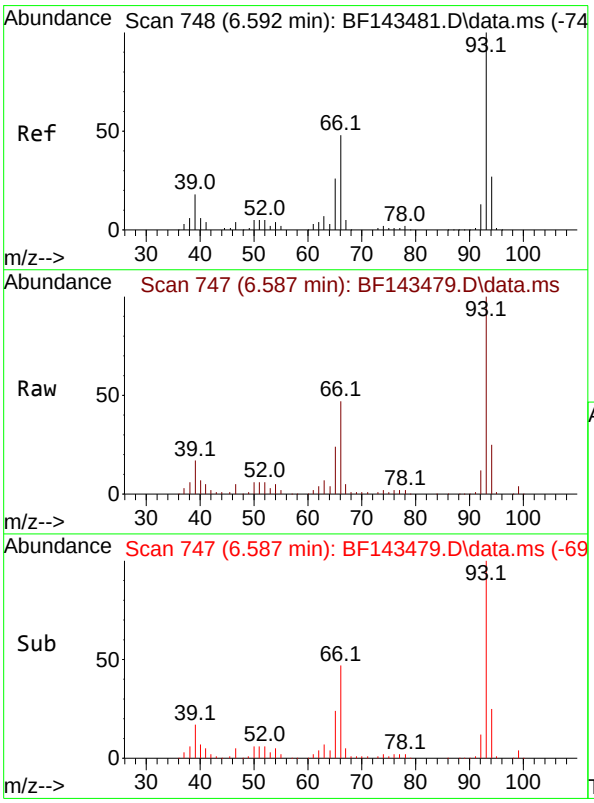
#5
2-Fluorophenol
Concen: 20.911 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 165533

Ion	Ratio	Lower	Upper
112	100		
64	61.1	50.4	75.6
63	31.0	26.4	39.6

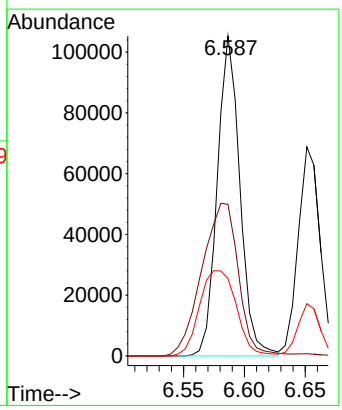


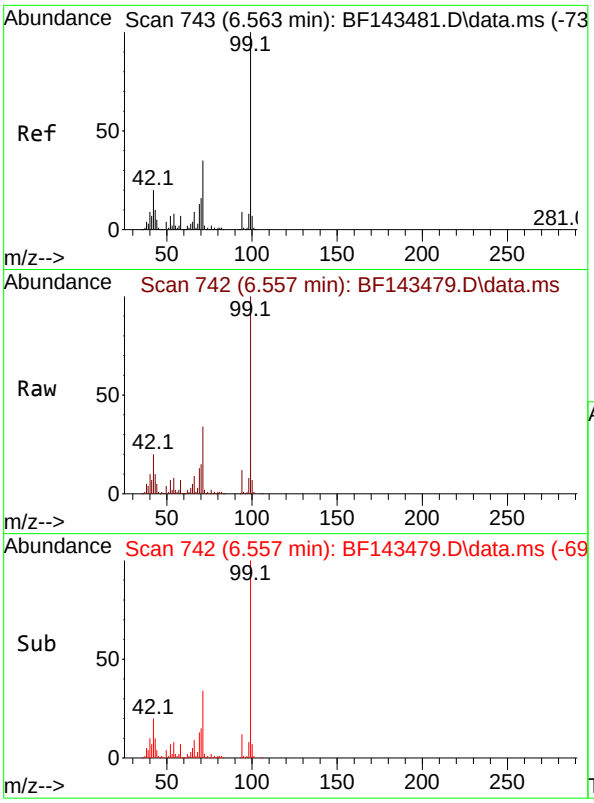


#6
Aniline
Concen: 10.420 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 93 Resp: 136107

Ion	Ratio	Lower	Upper
93	100		
66	47.4	38.9	58.3
65	24.2	20.6	30.8



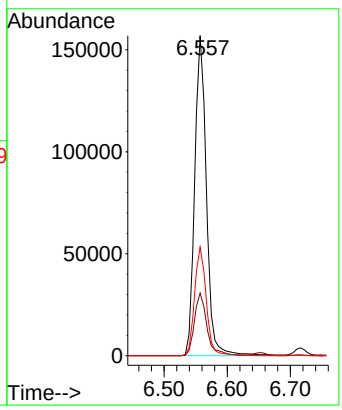


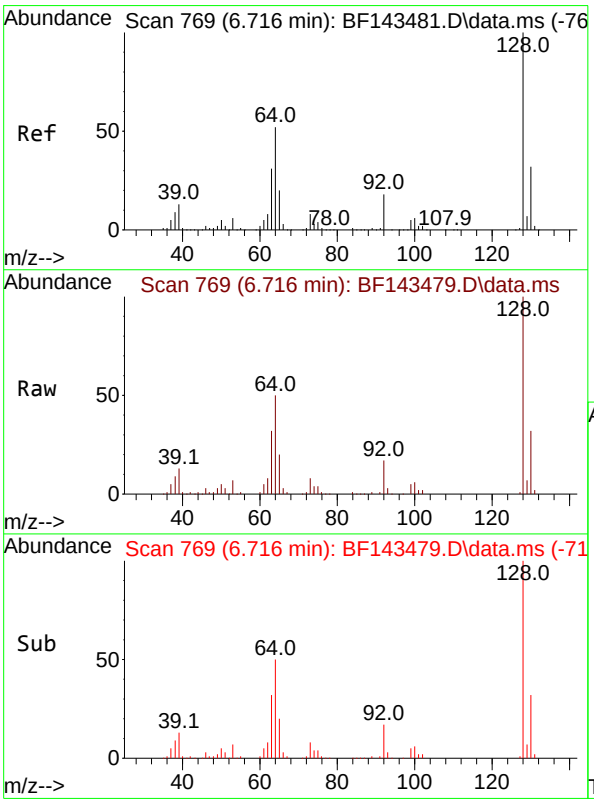
#7
Phenol-d6
Concen: 20.646 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 201752

Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.3	24.5
71	33.9	28.2	42.2

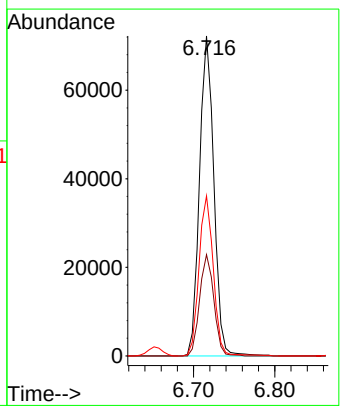


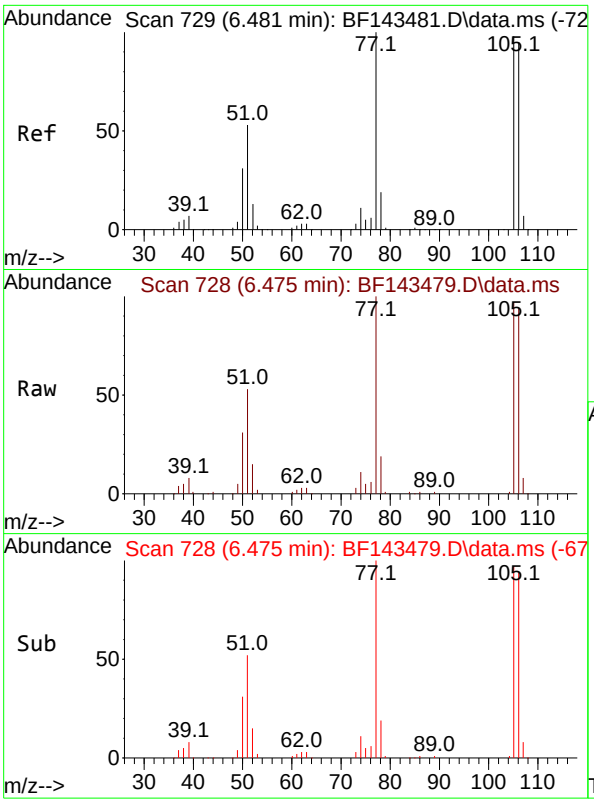


#8
2-Chlorophenol
Concen: 10.152 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:128 Resp: 88766

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.4	52.4
64	50.0	31.6	71.6



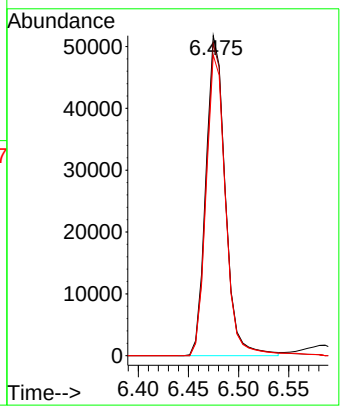


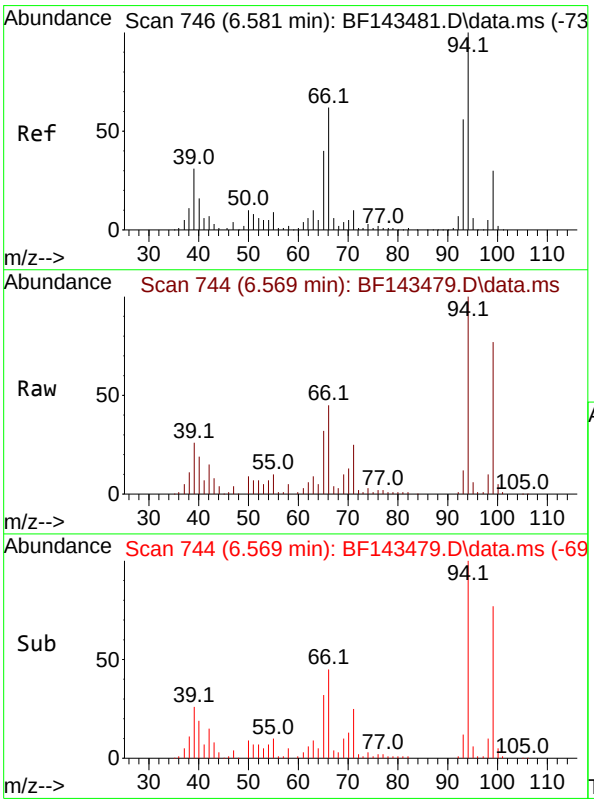
#9
Benzaldehyde
Concen: 8.802 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 69636

Ion	Ratio	Lower	Upper
77	100		
105	97.5	78.1	118.1
106	94.0	74.9	114.9

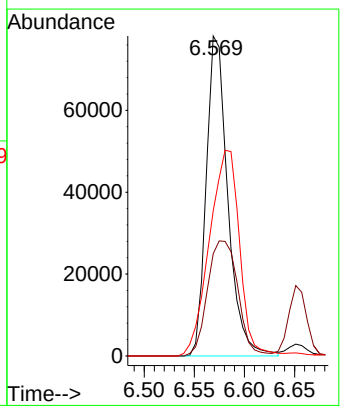


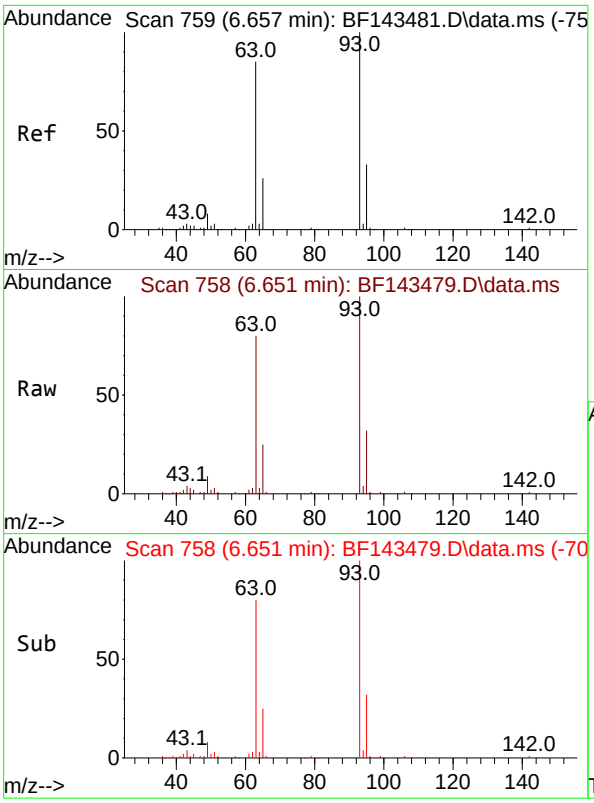


#10
Phenol
Concen: 10.408 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 94 Resp: 117160

Ion	Ratio	Lower	Upper
94	100		
65	32.0	19.5	59.5
66	45.4	42.5	82.5



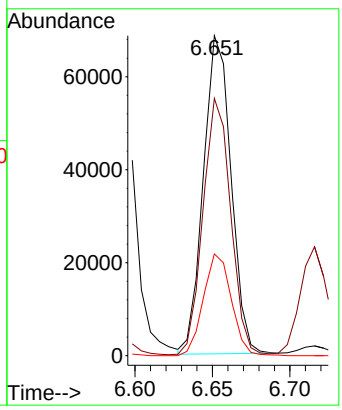


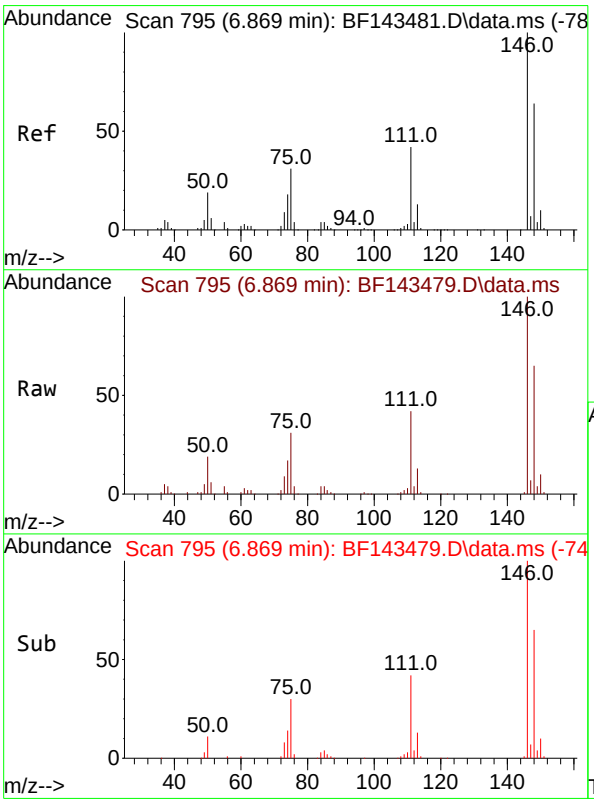
#11
bis(2-Chloroethyl)ether
Concen: 10.102 ng
RT: 6.651 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 84985

Ion	Ratio	Lower	Upper
93	100		
63	80.4	63.6	103.6
95	31.8	12.8	52.8

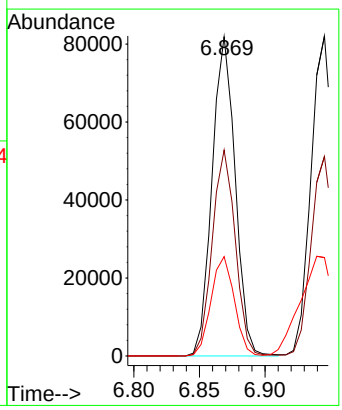


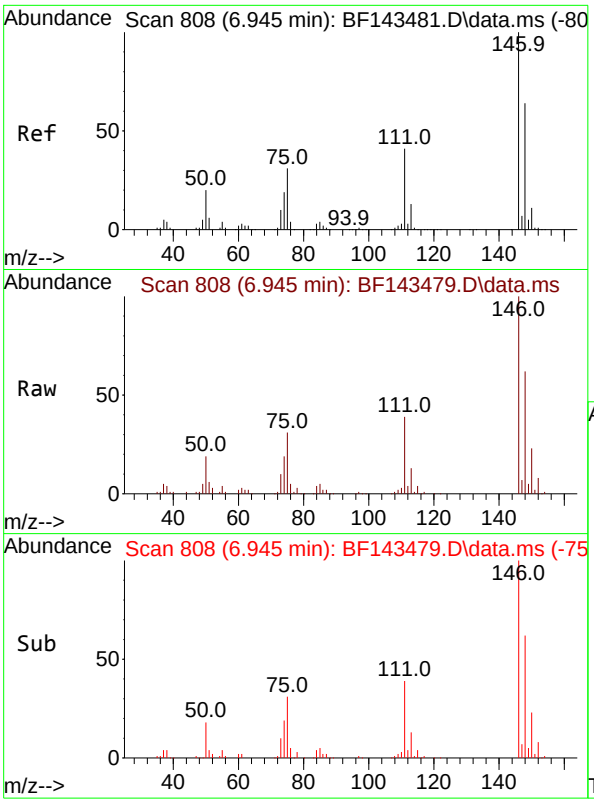


#12
1,3-Dichlorobenzene
Concen: 10.207 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:146 Resp: 100273

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	31.1	24.7	37.1



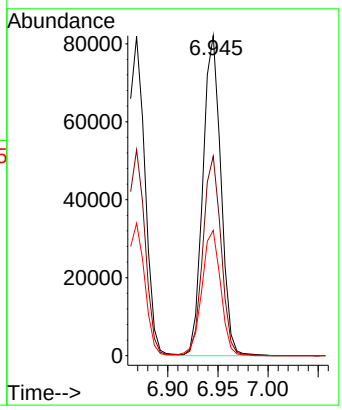


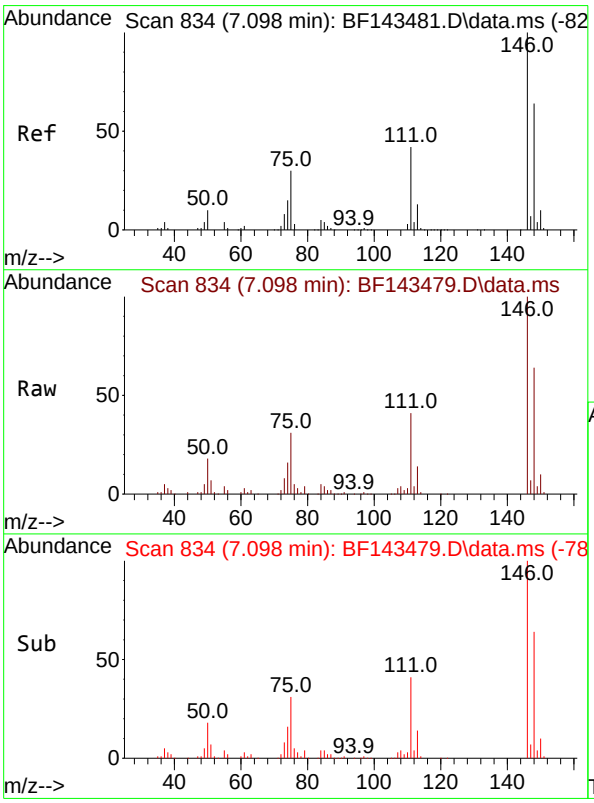
#13
1,4-Dichlorobenzene
Concen: 10.432 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 102802

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.5	77.3
111	39.1	32.6	49.0

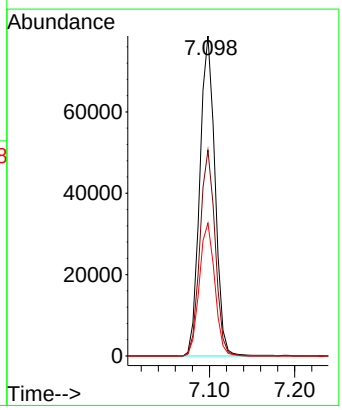


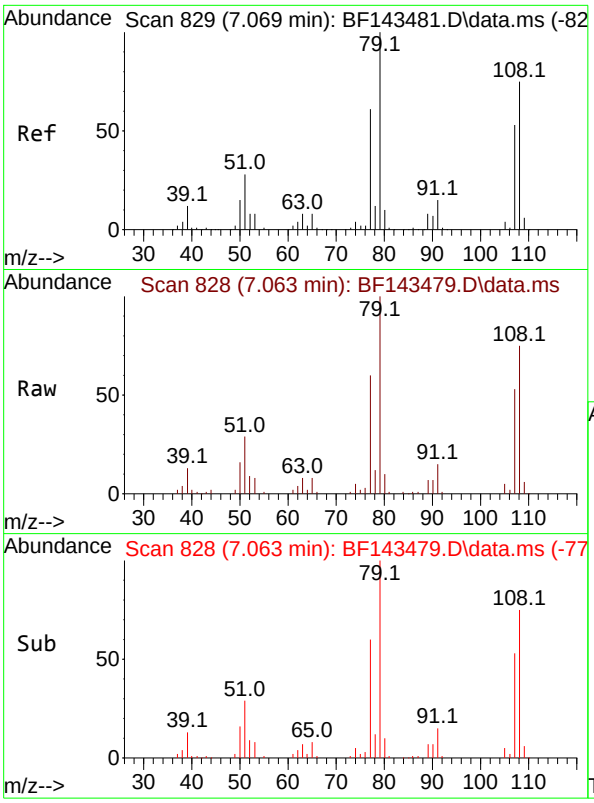


#14
1,2-Dichlorobenzene
Concen: 10.464 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:146 Resp: 97628

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	41.5	34.0	51.0



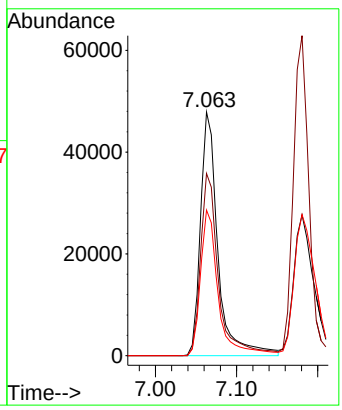


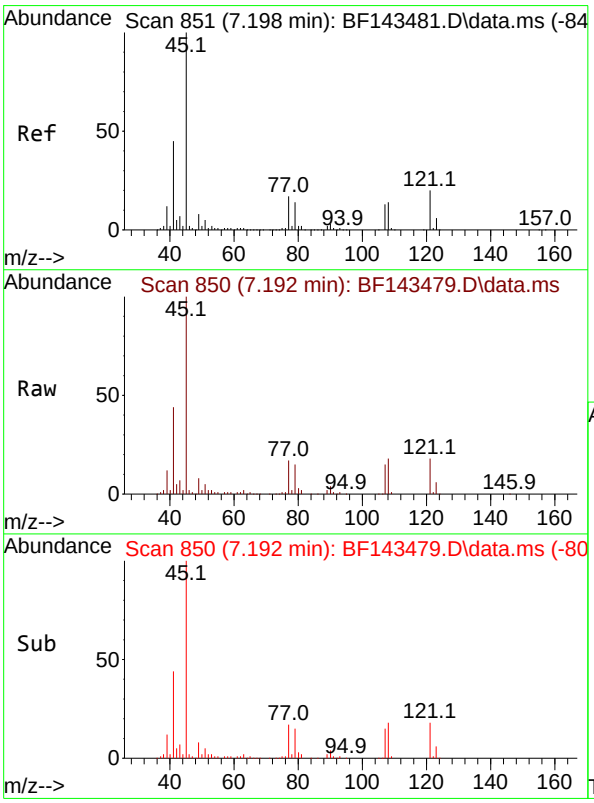
#15
Benzyl Alcohol
Concen: 9.792 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 71642

Ion	Ratio	Lower	Upper
79	100		
108	74.8	59.8	89.6
77	59.8	49.0	73.4

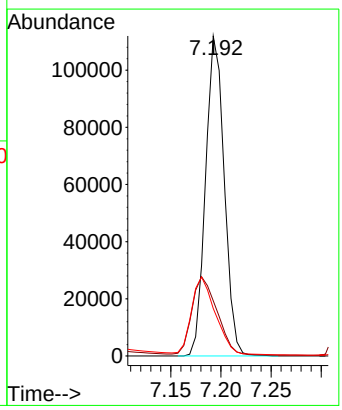


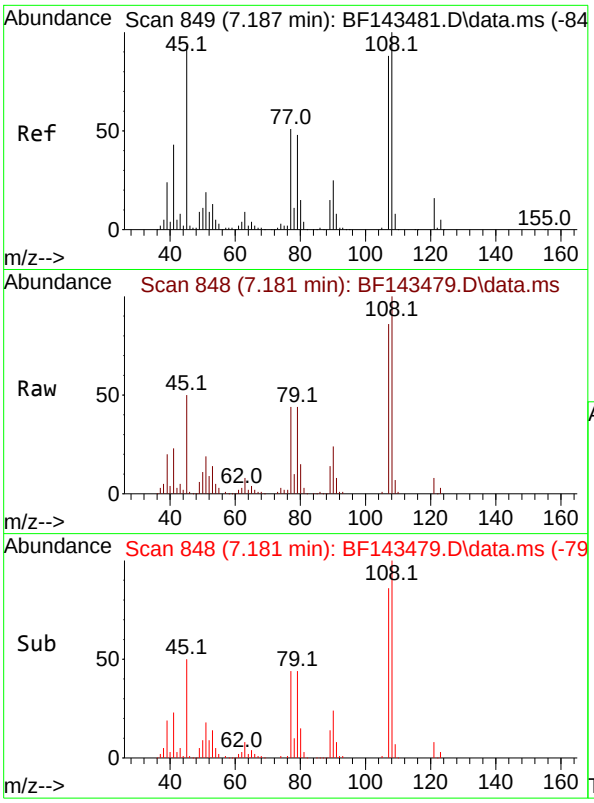


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.806 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 45 Resp: 145437

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	37.9
79	14.9	0.0	34.7



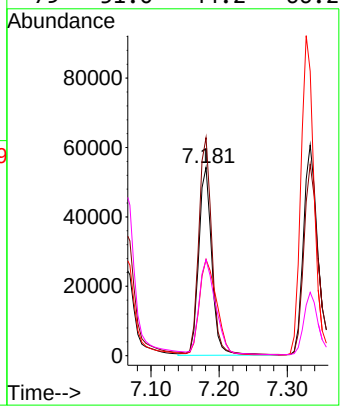


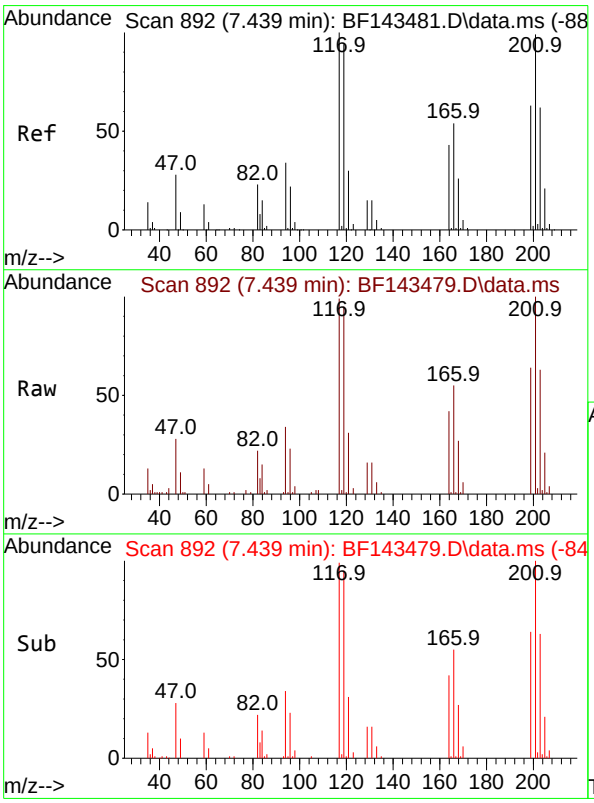
#17
2-Methylphenol
Concen: 10.260 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 71996

Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.1	136.7
77	51.1	46.2	69.4
79	51.0	44.2	66.2

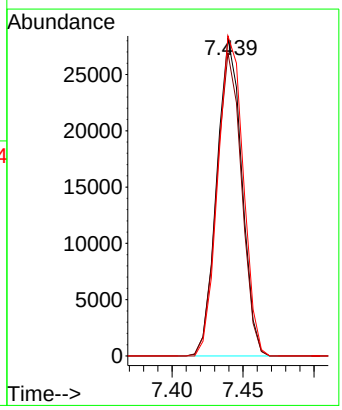


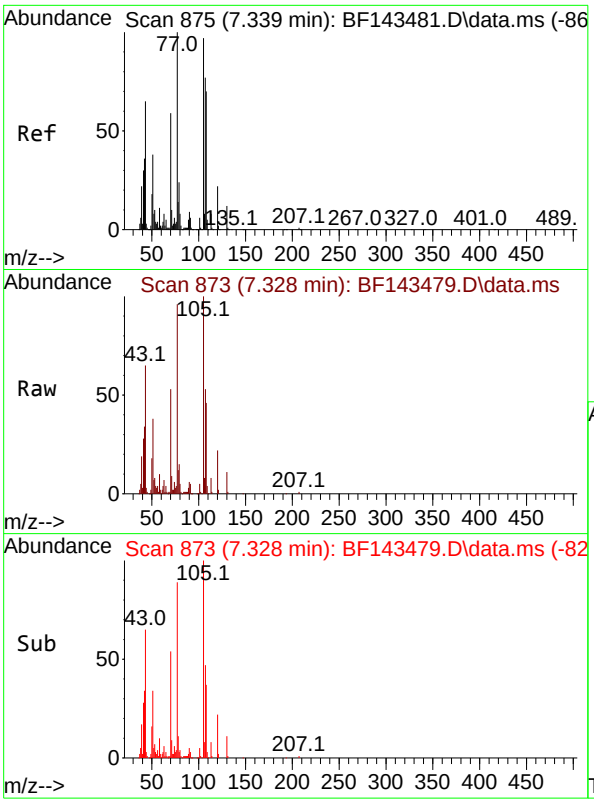


#18
Hexachloroethane
Concen: 10.276 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:117 Resp: 34428

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.4	113.0
201	100.6	79.0	118.4



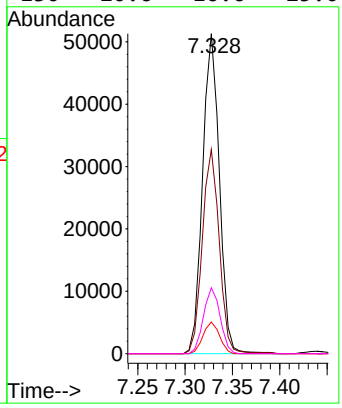


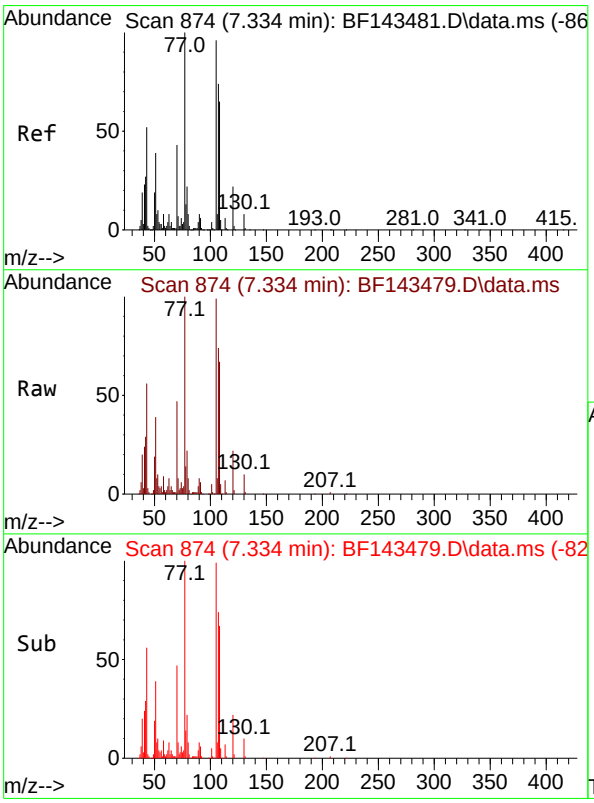
#19
n-Nitroso-di-n-propylamine
Concen: 10.552 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 63026

Ion	Ratio	Lower	Upper
70	100		
42	63.8	49.3	73.9
101	9.9	7.8	11.8
130	20.6	16.6	25.0

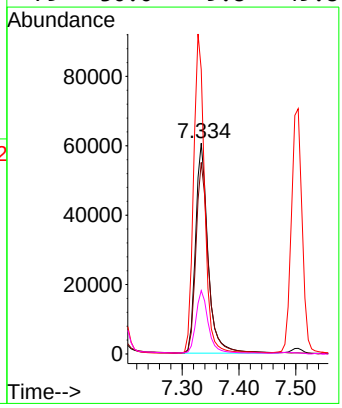


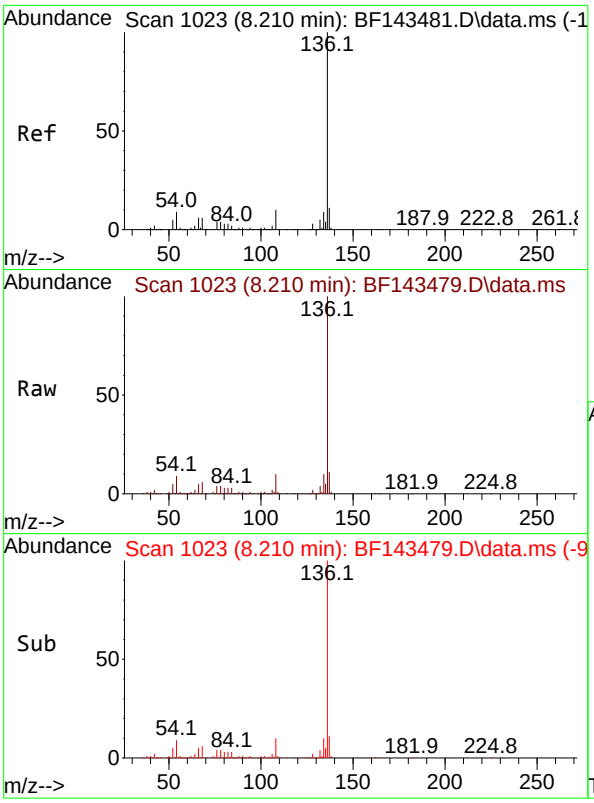


#20
3+4-Methylphenols
Concen: 11.034 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:107 Resp: 92430

Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.4	108.4
77	134.9	116.1	156.1
79	30.0	9.8	49.8



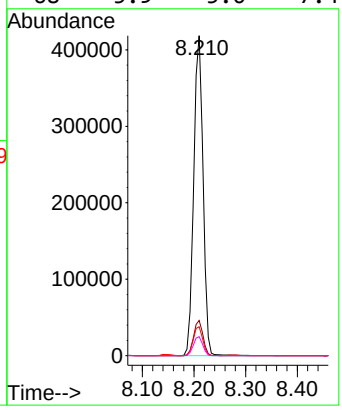


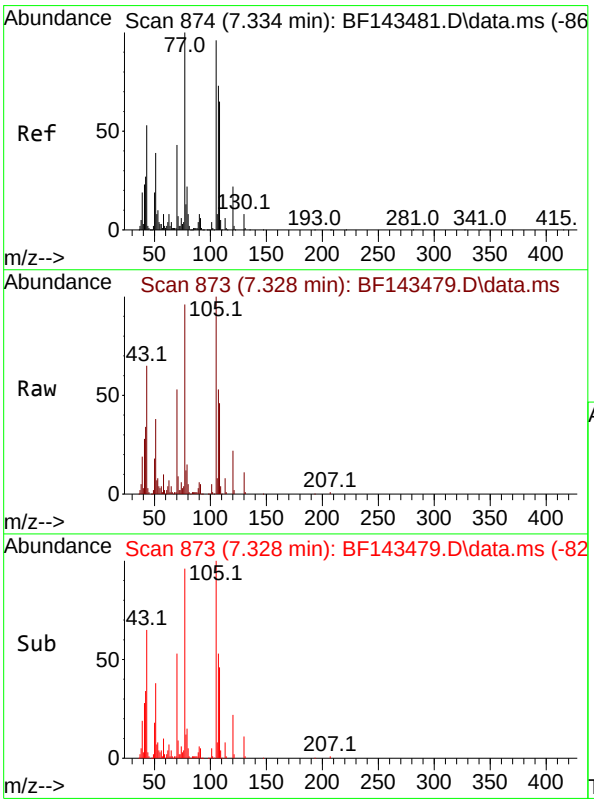
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 525191

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.0	7.4	11.2
68	5.9	5.0	7.4

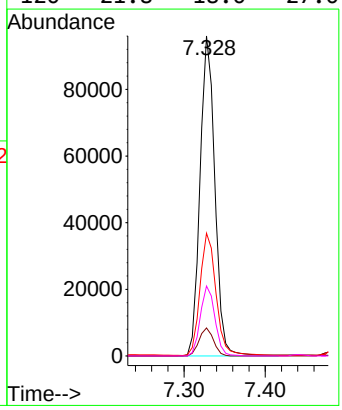


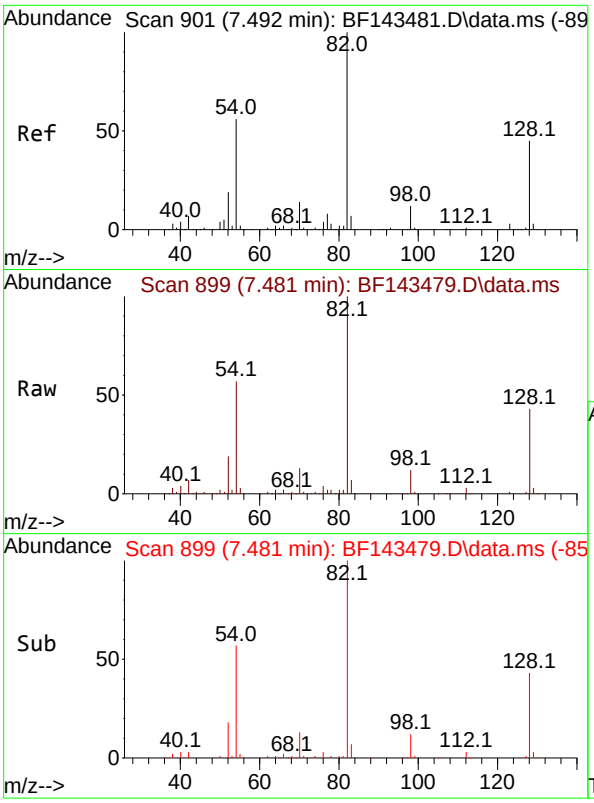


#22
Acetophenone
Concen: 10.745 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:105 Resp: 121914

Ion	Ratio	Lower	Upper
105	100		
71	8.8	5.9	8.9
51	38.4	32.5	48.7
120	21.8	18.0	27.0



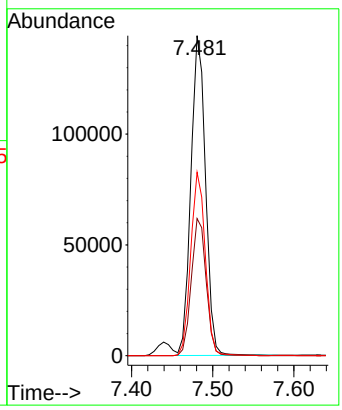


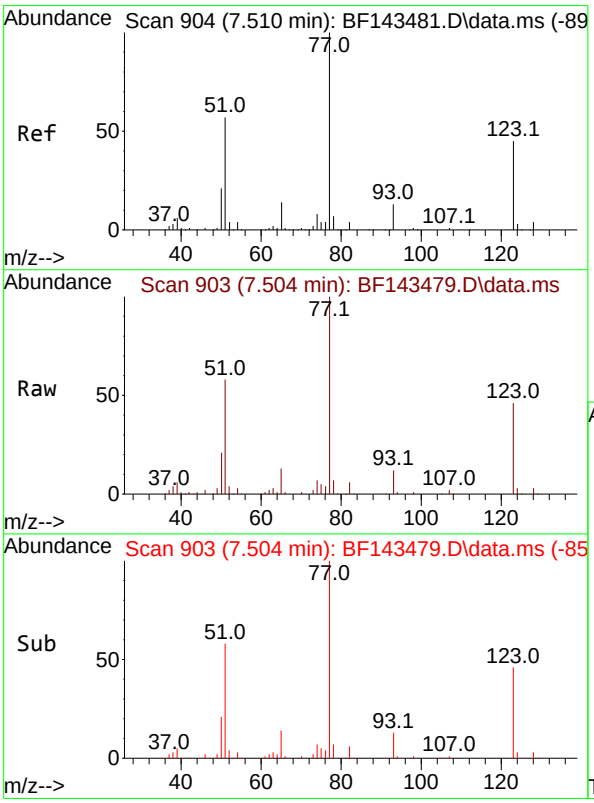
#23
Nitrobenzene-d5
Concen: 20.141 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 181268

Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.5	53.3
54	57.3	44.3	66.5

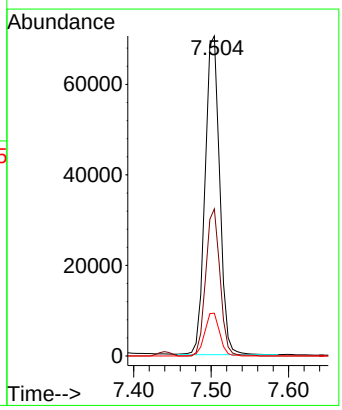


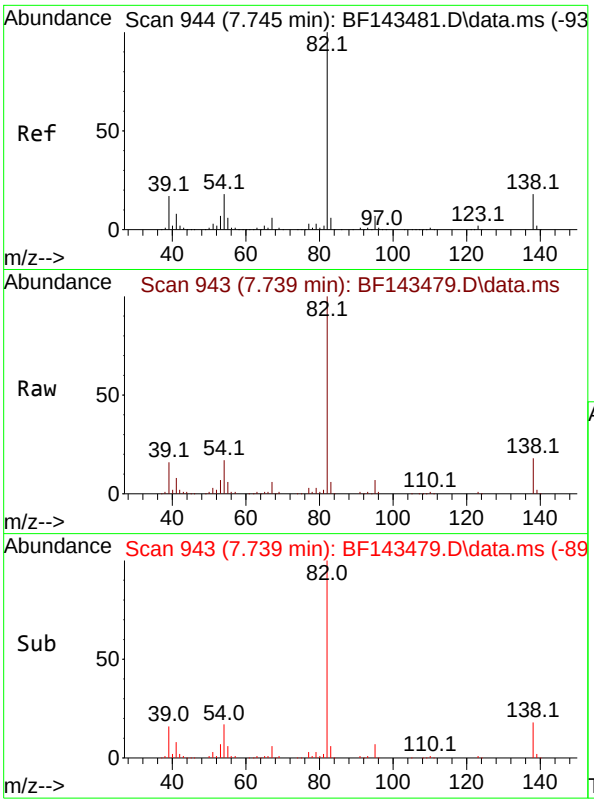


#24
Nitrobenzene
Concen: 9.960 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 77 Resp: 92261

Ion	Ratio	Lower	Upper
77	100		
123	46.0	36.1	54.1
65	13.4	11.0	16.6



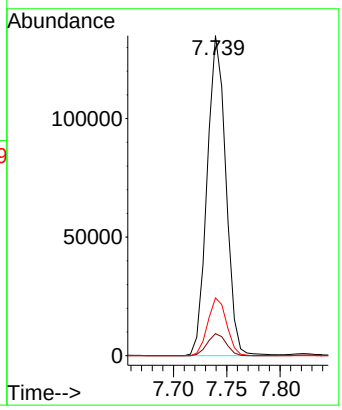


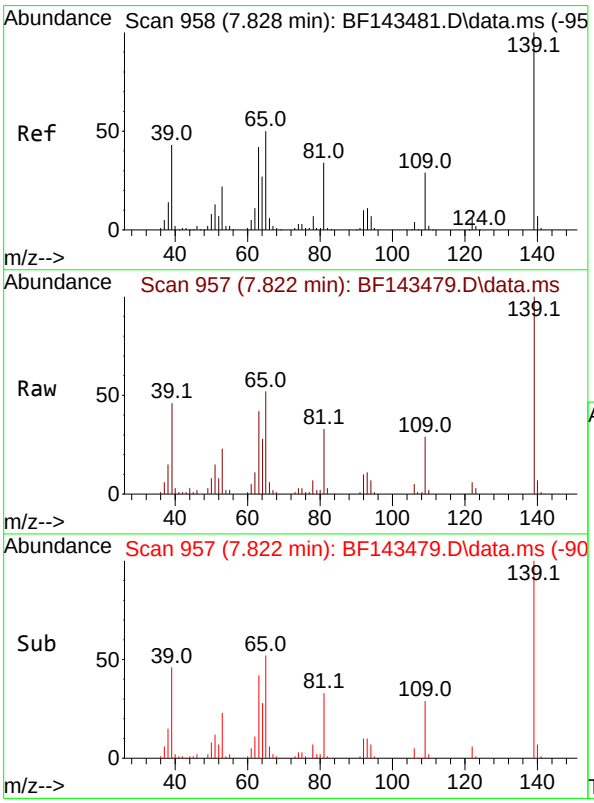
#25
Isophorone
Concen: 10.025 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 165391

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.1	14.2	21.4

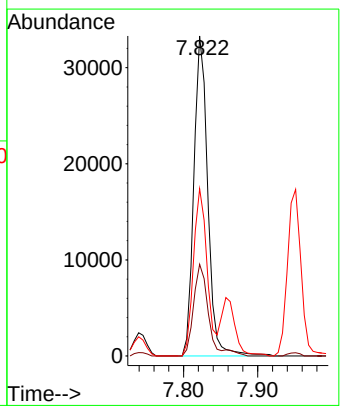


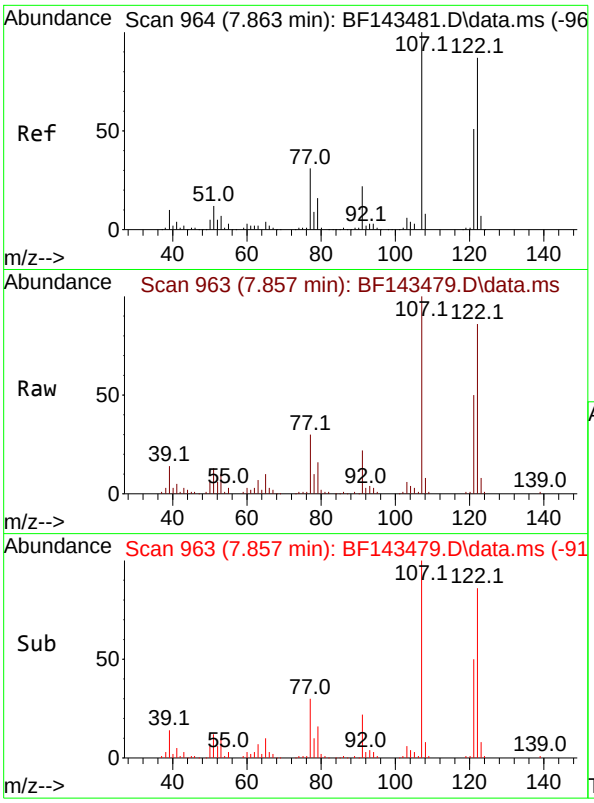


#26
2-Nitrophenol
Concen: 9.575 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:139 Resp: 43444

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.0	34.6
65	52.3	40.3	60.5



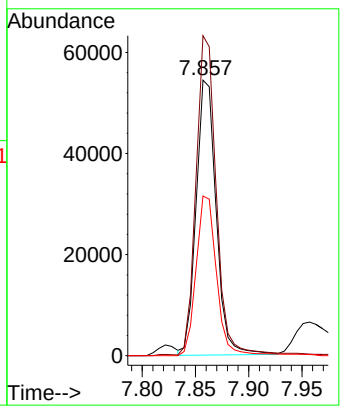


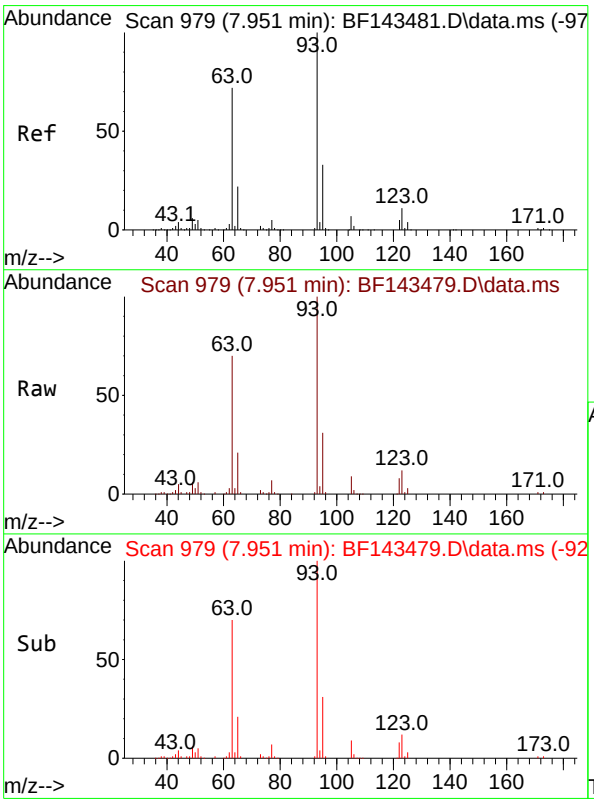
#27
2,4-Dimethylphenol
Concen: 10.105 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 71477

Ion	Ratio	Lower	Upper
122	100		
107	116.1	91.5	137.3
121	57.9	47.0	70.4

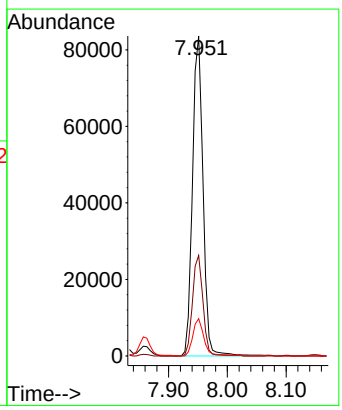


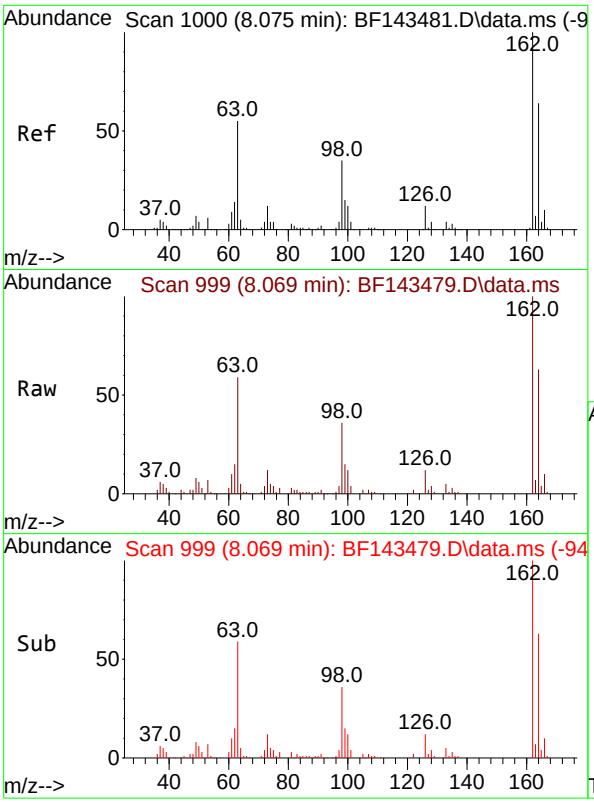


#28
bis(2-Chloroethoxy)methane
Concen: 10.329 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 93 Resp: 104720

Ion	Ratio	Lower	Upper
93	100		
95	31.4	26.0	39.0
123	11.6	9.1	13.7



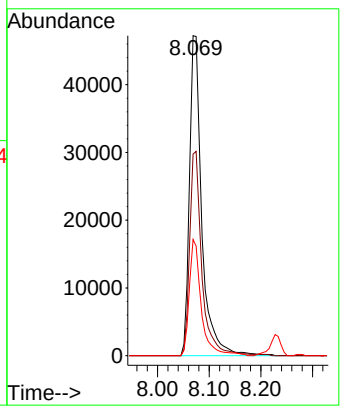


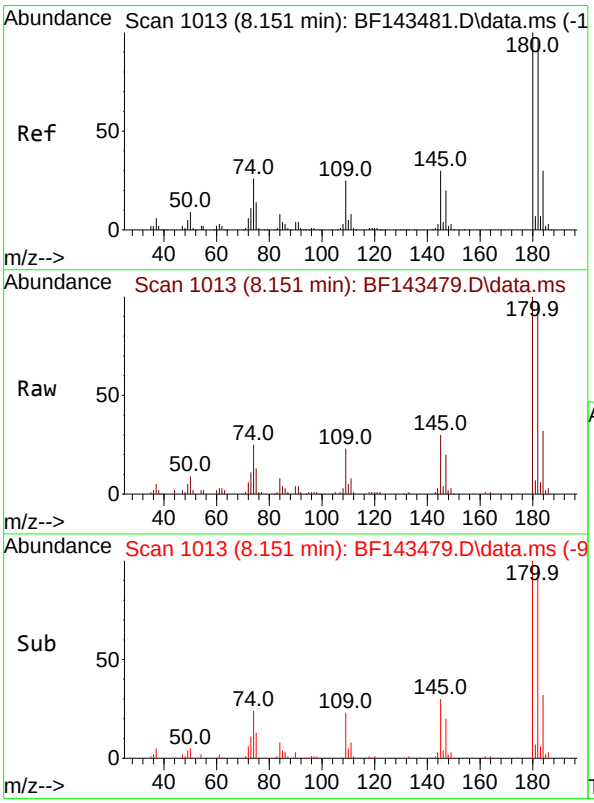
#29
2,4-Dichlorophenol
Concen: 10.394 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 78518

Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.5	83.5
98	36.3	15.1	55.1

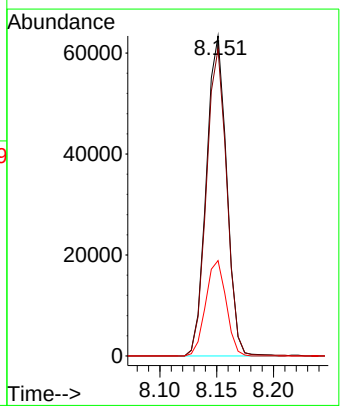


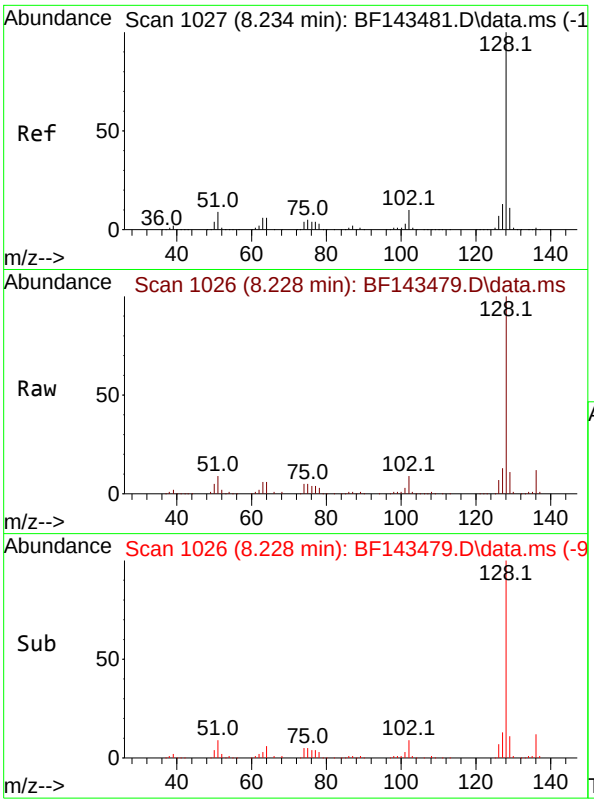


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:180 Resp: 78780

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	29.8	24.3	36.5



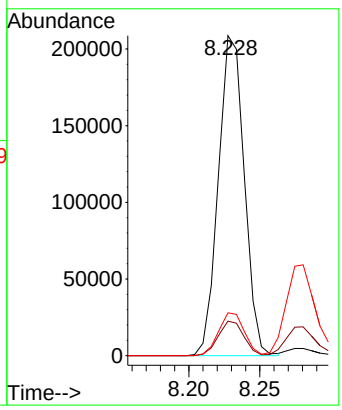


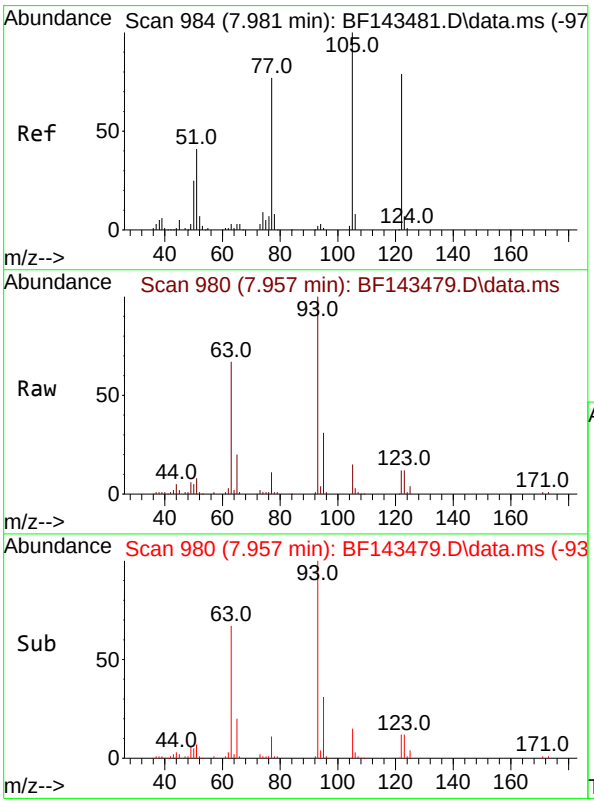
#31
Naphthalene
Concen: 10.503 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 264837

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.4	10.6	16.0

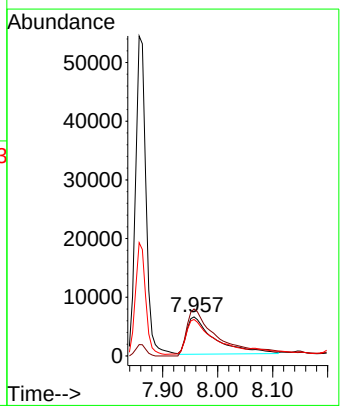


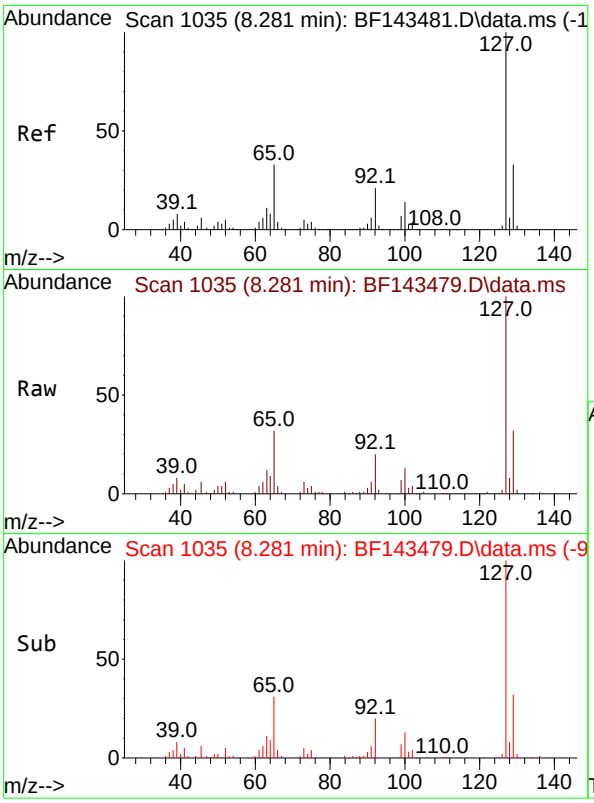


#32
Benzoic acid
Concen: 10.817 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.053 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:122 Resp: 22608

Ion	Ratio	Lower	Upper
122	100		
105	120.4	104.7	144.7
77	93.4	77.3	117.3



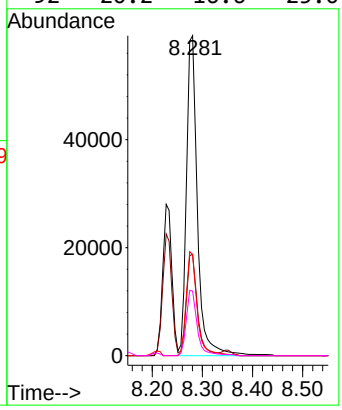


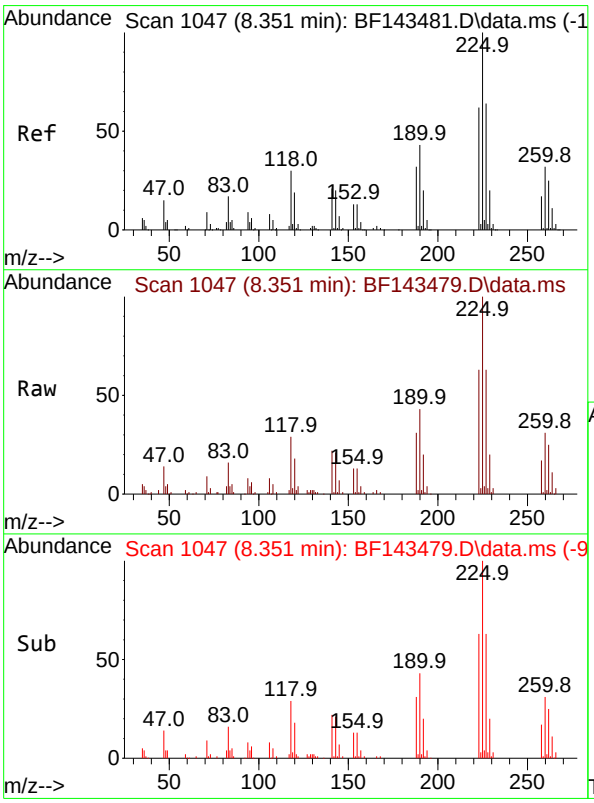
#33
4-Chloroaniline
Concen: 10.129 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 90644

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	31.6	26.2	39.2
92	20.2	16.6	25.0

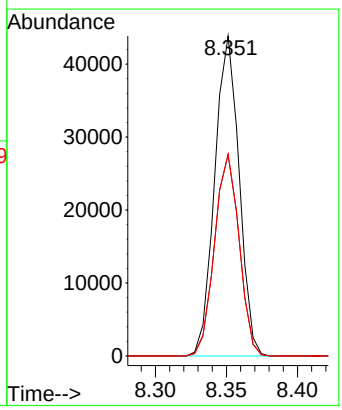


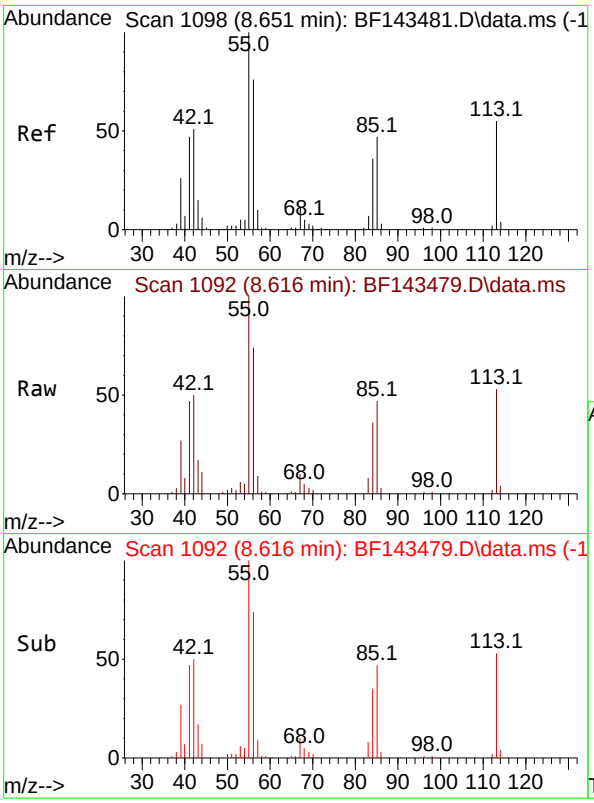


#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:225 Resp: 52299

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.9	74.9
227	63.1	50.9	76.3



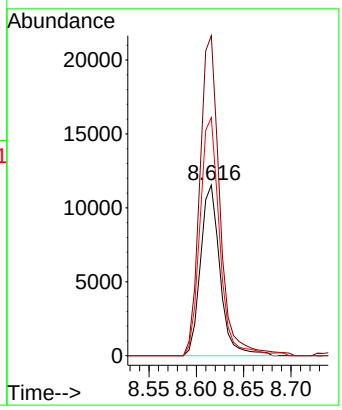


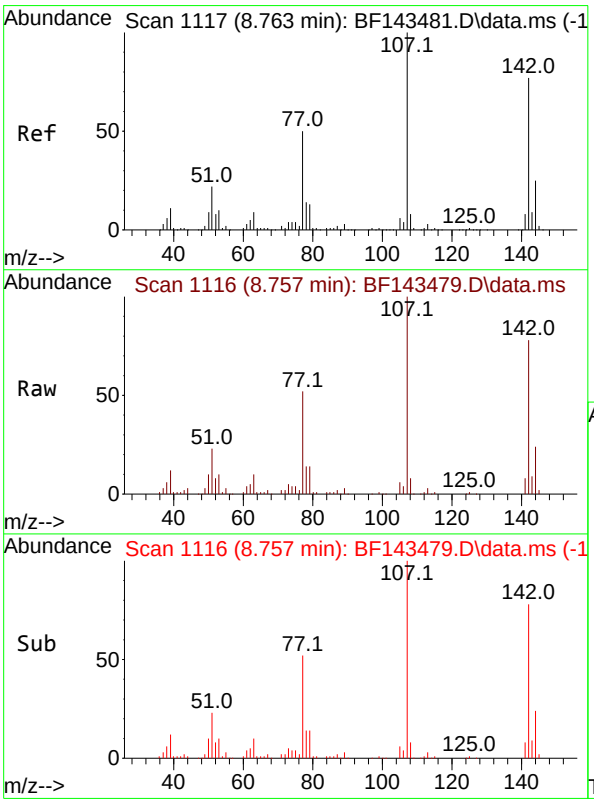
#35
Caprolactam
Concen: 9.099 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 16494

Ion	Ratio	Lower	Upper
113	100		
55	187.6	162.8	202.8
56	139.5	118.1	158.1

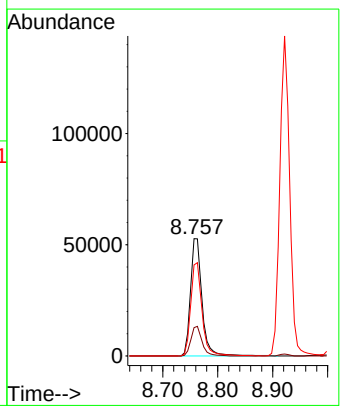


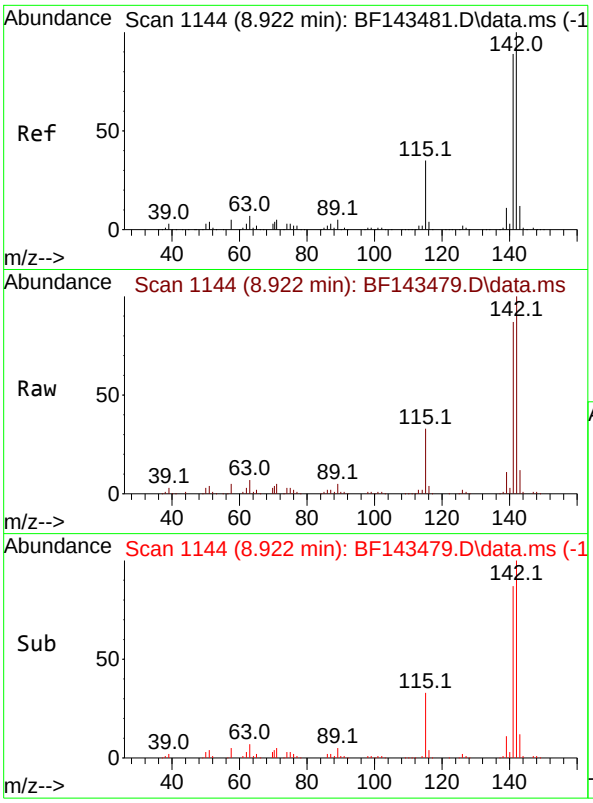


#36
4-Chloro-3-methylphenol
Concen: 10.126 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:107 Resp: 76657

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.9	29.9
142	77.7	61.8	92.8



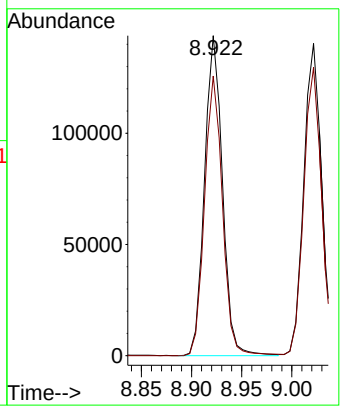


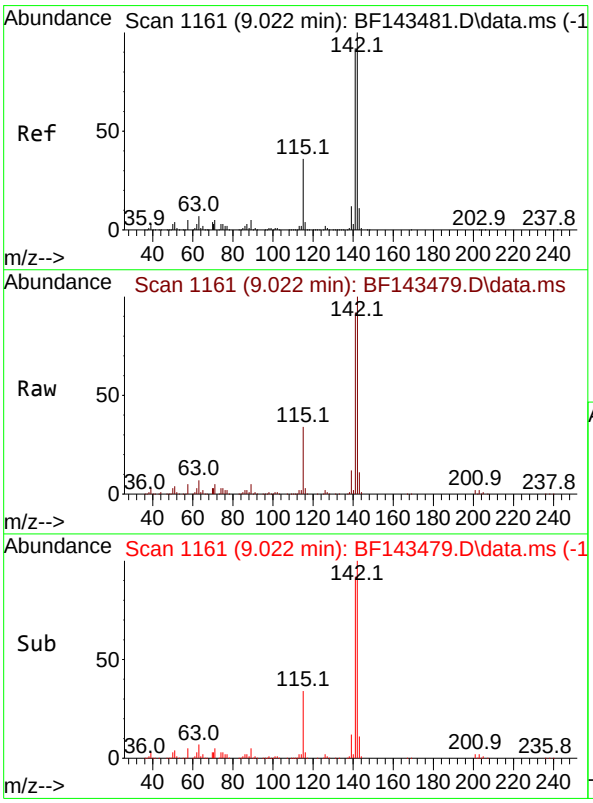
#37
2-Methylnaphthalene
Concen: 10.663 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 179574

Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.0	106.4

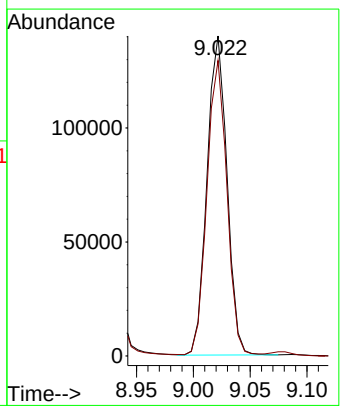


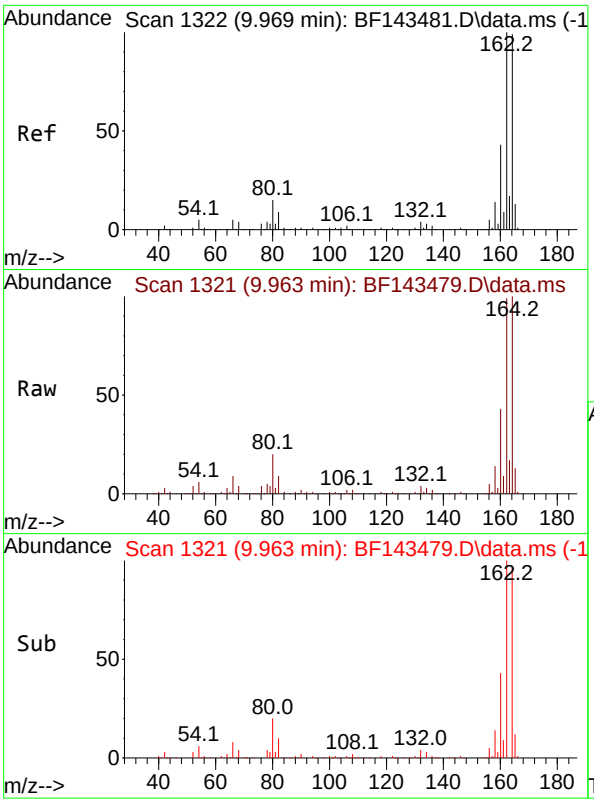


#38
1-Methylnaphthalene
Concen: 10.606 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:142 Resp: 170845

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.3	109.9



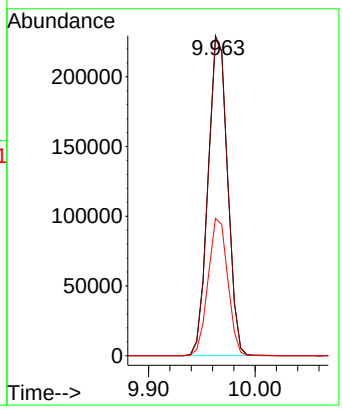


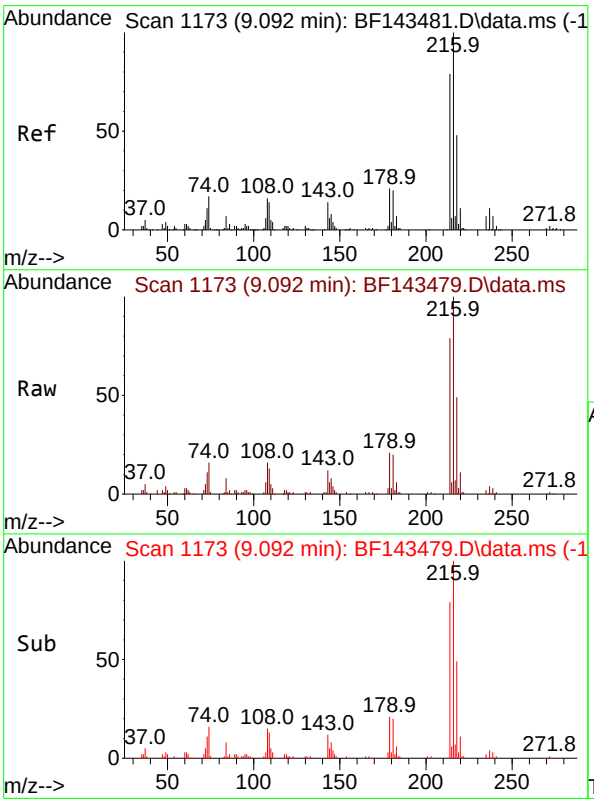
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 291754

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.5	120.7
160	42.9	34.3	51.5

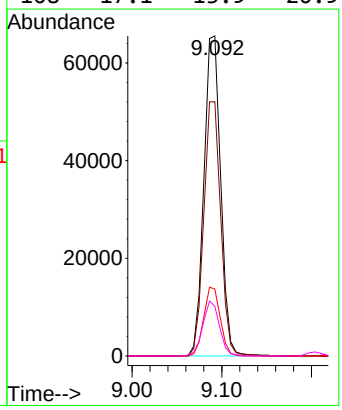


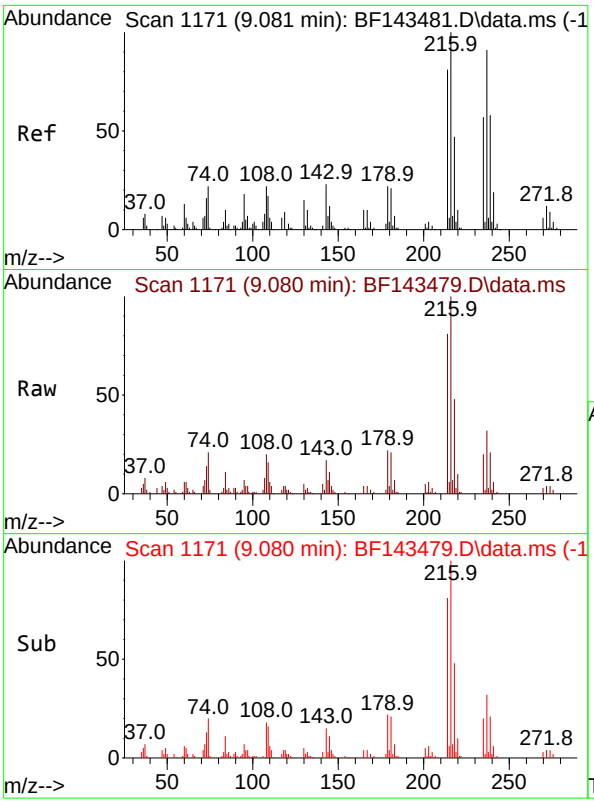


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.207 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:216 Resp: 85181

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.4	95.0
179	21.1	16.5	24.7
108	17.1	13.9	20.9



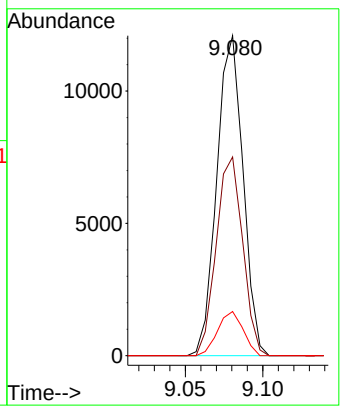


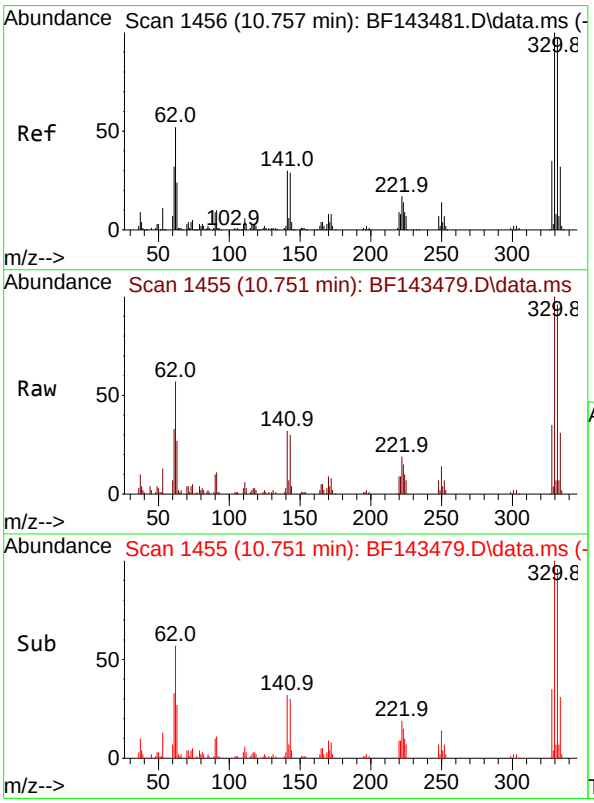
#41
Hexachlorocyclopentadiene
Concen: 10.484 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 14243

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.6	82.6
272	13.8	0.0	33.4

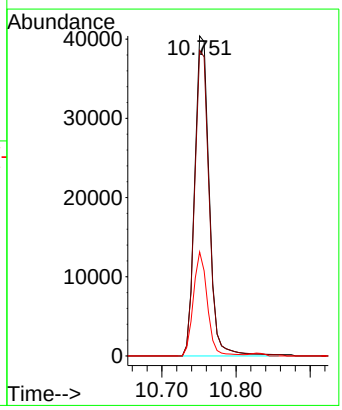


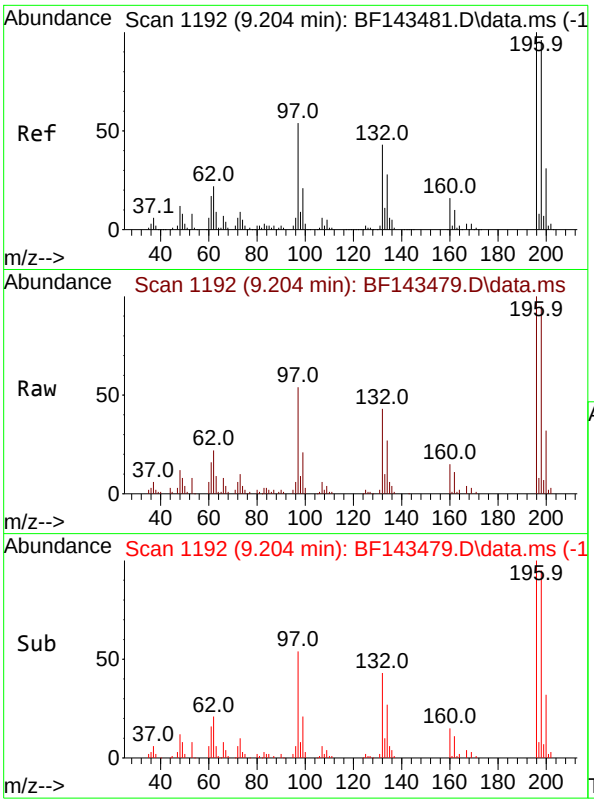


#42
2,4,6-Tribromophenol
Concen: 20.244 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:330 Resp: 54980

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	31.3	23.7	35.5



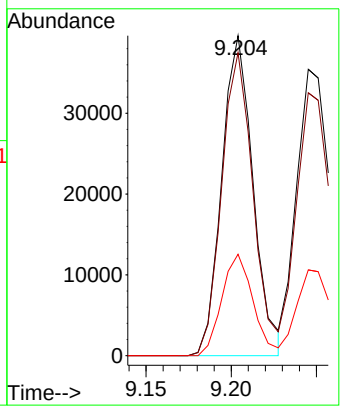


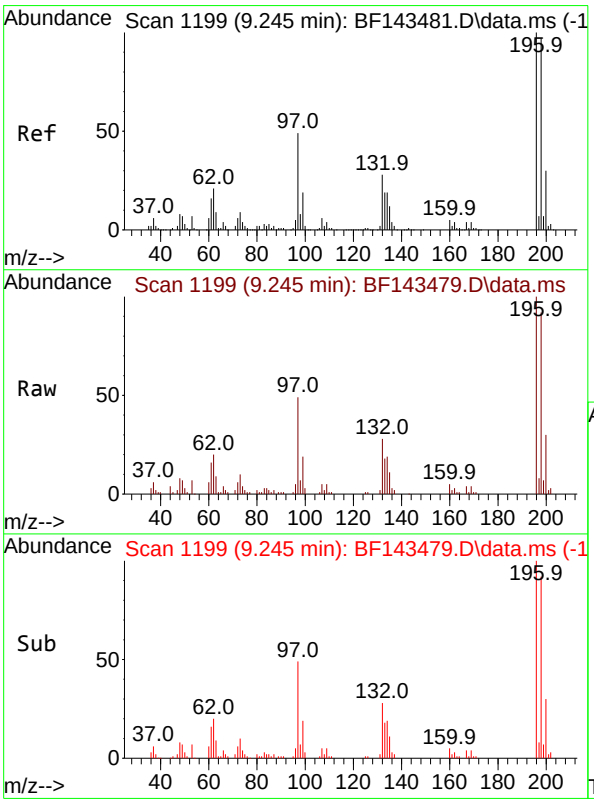
#43
2,4,6-Trichlorophenol
Concen: 9.854 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 50602

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.0	115.4
200	31.7	24.6	37.0

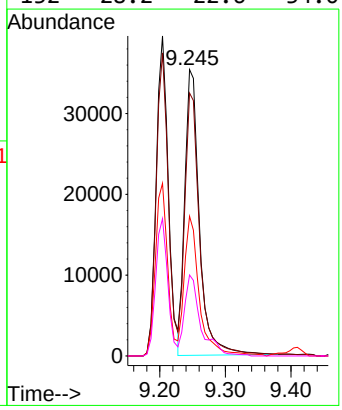


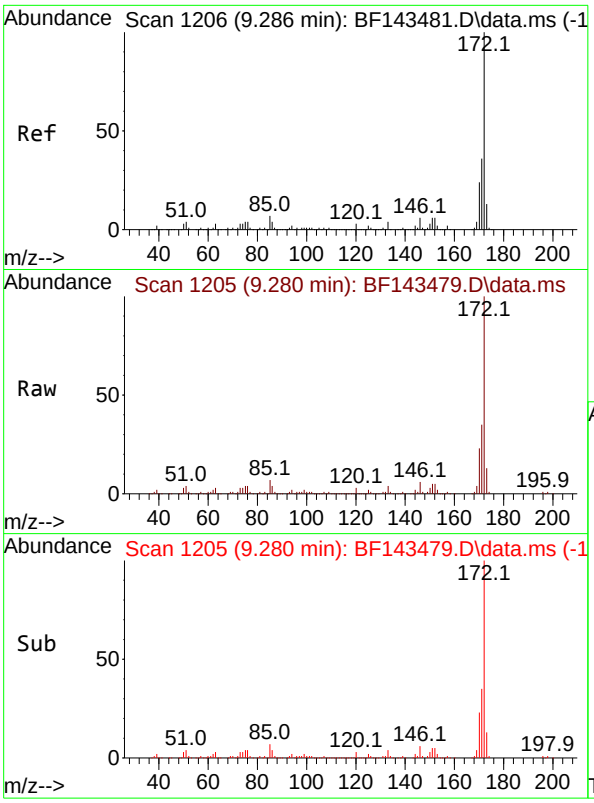


#44
2,4,5-Trichlorophenol
Concen: 9.775 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:196 Resp: 54832

Ion	Ratio	Lower	Upper
196	100		
198	91.8	77.3	115.9
97	48.8	40.0	60.0
132	28.2	22.6	34.0



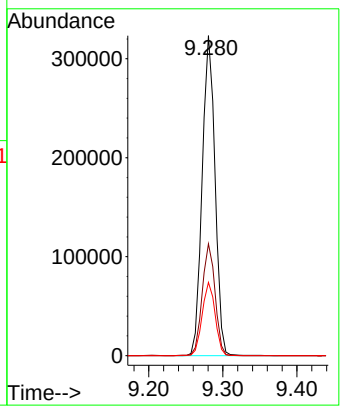


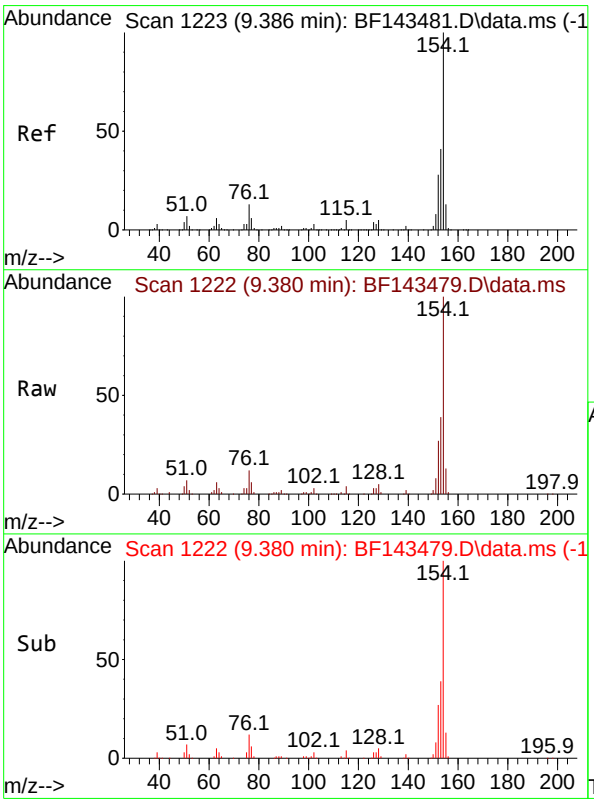
#45
2-Fluorobiphenyl
Concen: 22.085 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 389874

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	22.9	18.8	28.2

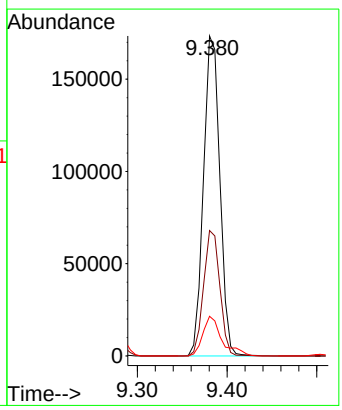


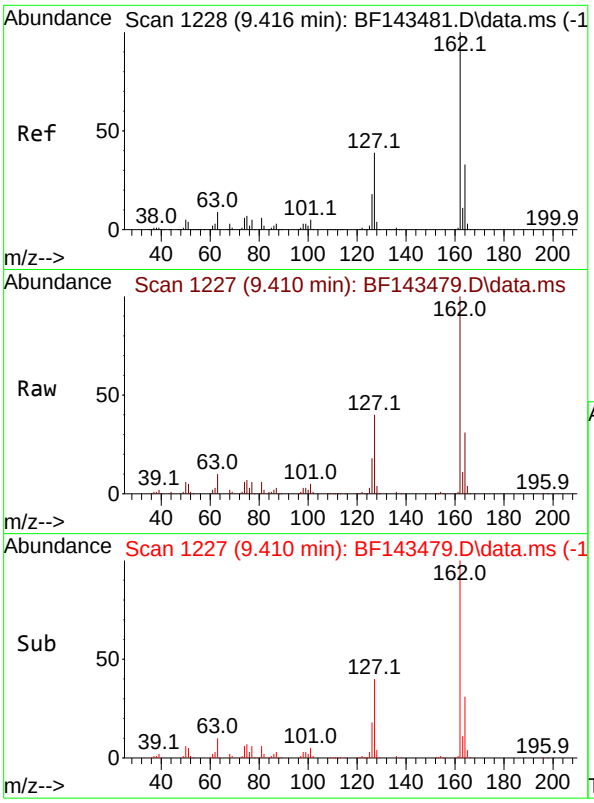


#46
1,1'-Biphenyl
Concen: 10.602 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:154 Resp: 219538

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.6	60.6
76	12.4	0.0	33.0



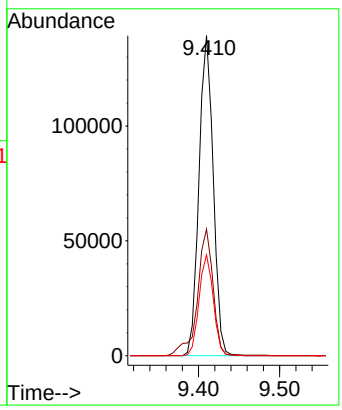


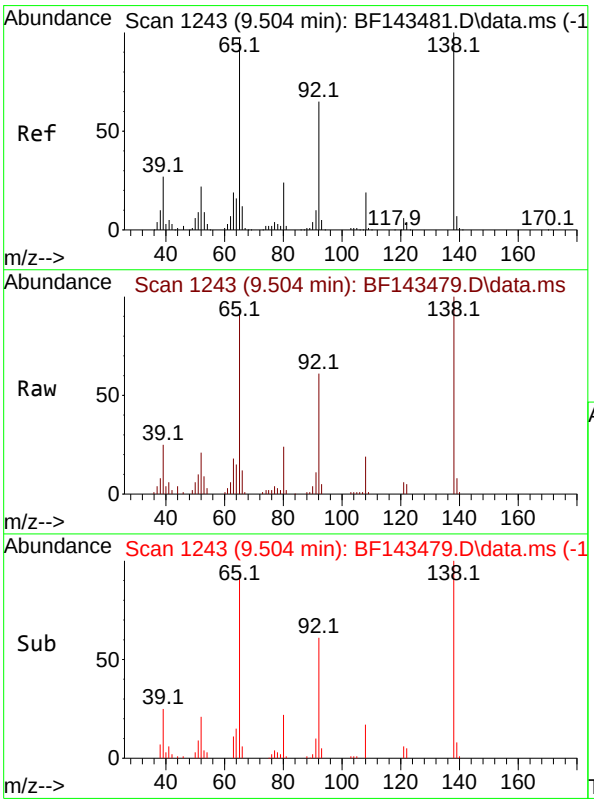
#47
2-Chloronaphthalene
Concen: 10.461 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 169967

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.8	47.6
164	31.5	26.4	39.6

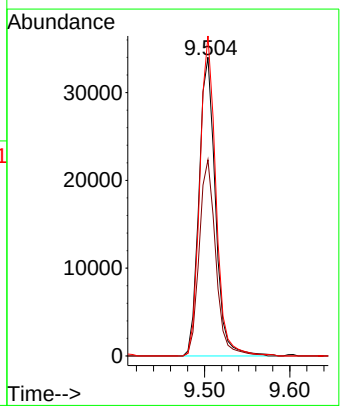


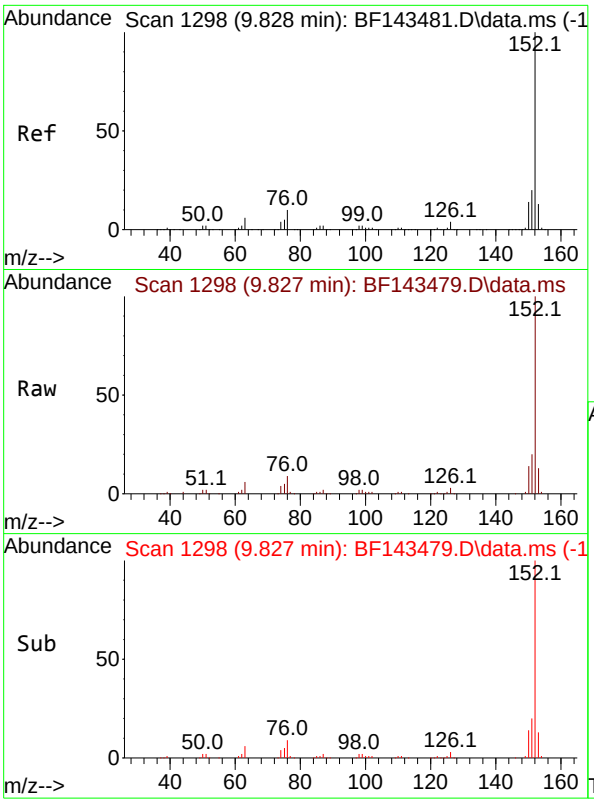


#48
2-Nitroaniline
Concen: 9.596 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion: 65 Resp: 45630

Ion	Ratio	Lower	Upper
65	100		
92	65.7	53.8	80.6
138	107.1	82.4	123.6



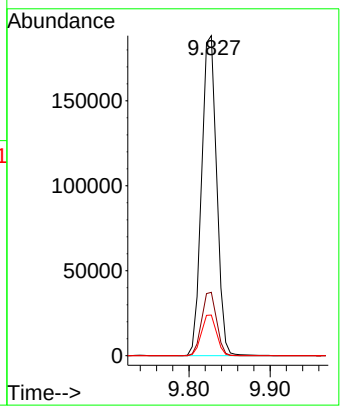


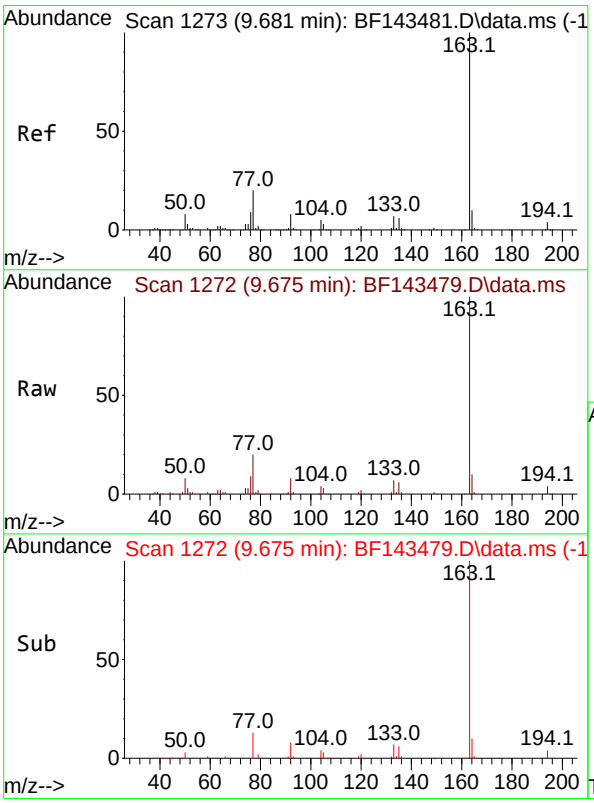
#49
Acenaphthylene
Concen: 10.429 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 242638

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	12.7	10.6	15.8

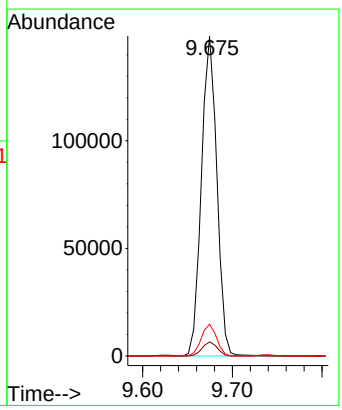


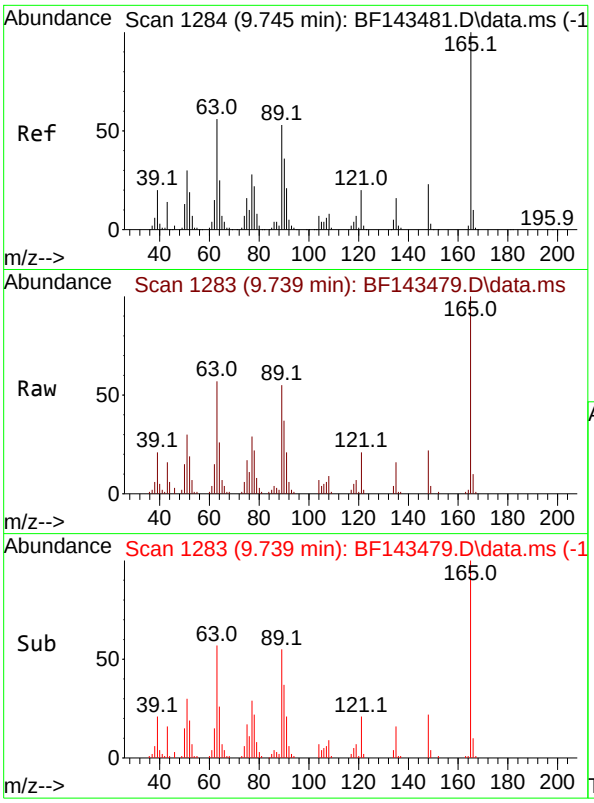


#50
Dimethylphthalate
Concen: 10.120 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:163 Resp: 177820

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.9	8.2	12.2



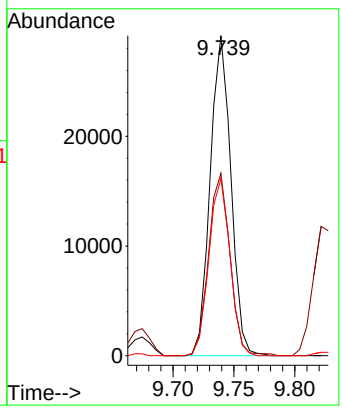


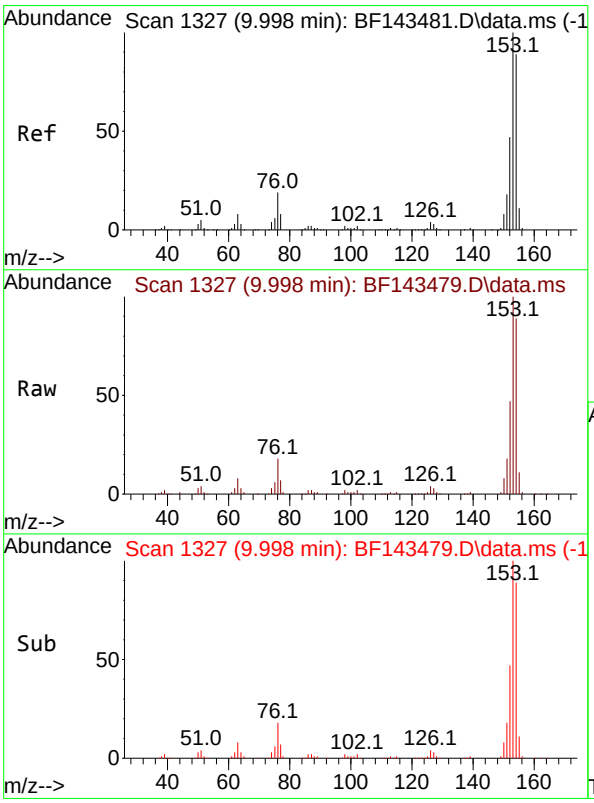
#51
2,6-Dinitrotoluene
Concen: 9.493 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 34570

Ion	Ratio	Lower	Upper
165	100		
63	57.0	45.0	67.6
89	55.4	42.5	63.7

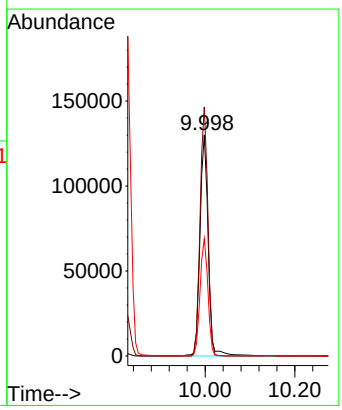


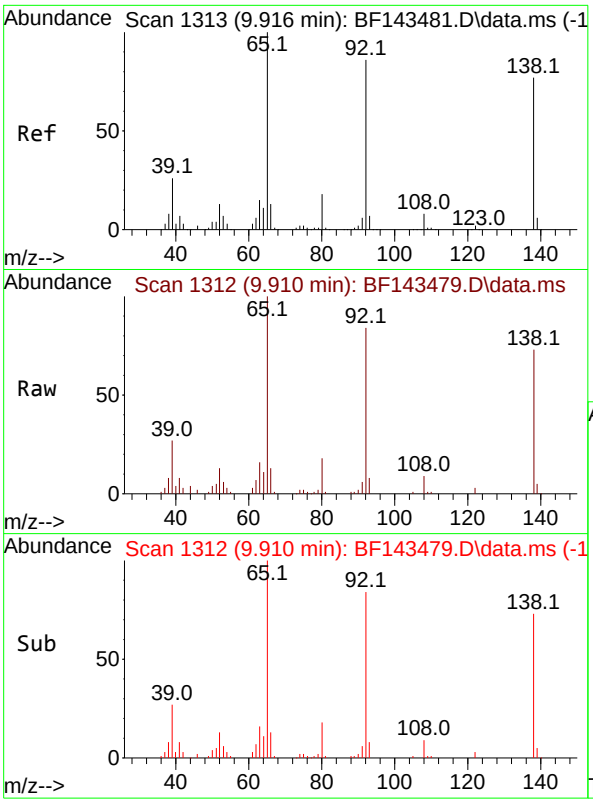


#52
Acenaphthene
Concen: 10.441 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:154 Resp: 164918

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.5	134.3
152	53.1	42.5	63.7



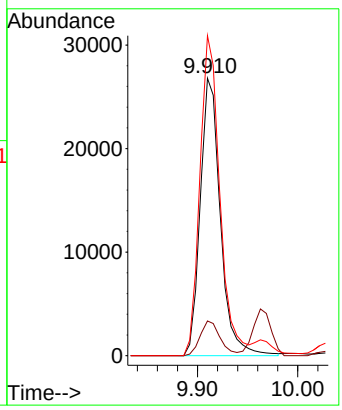


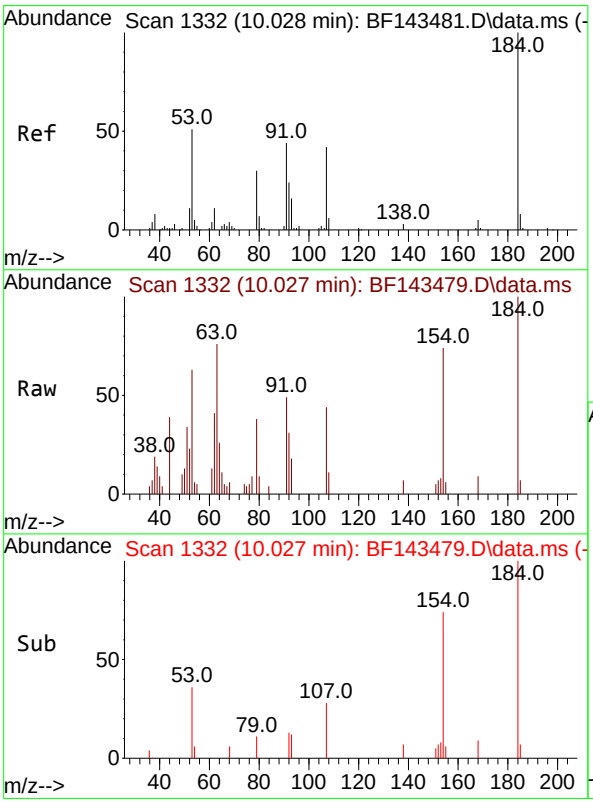
#53
3-Nitroaniline
Concen: 9.523 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 37475

Ion	Ratio	Lower	Upper
138	100		
108	12.5	8.6	13.0
92	115.3	89.8	134.8

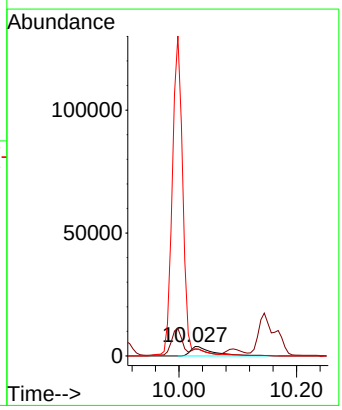


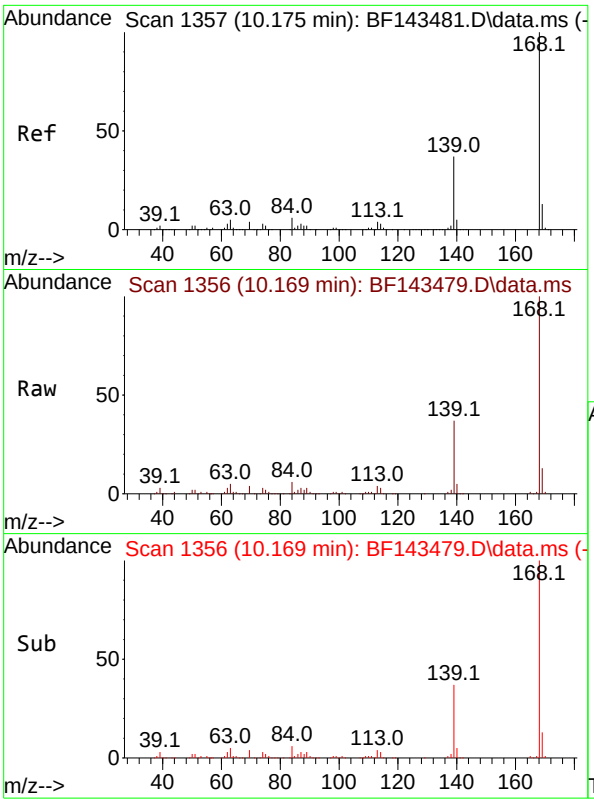


#54
2,4-Dinitrophenol
Concen: 10.295 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:184 Resp: 10431

Ion	Ratio	Lower	Upper
184	100		
63	75.6	52.6	78.8
154	73.9	51.0	76.4



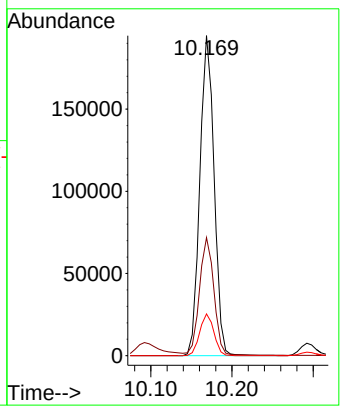


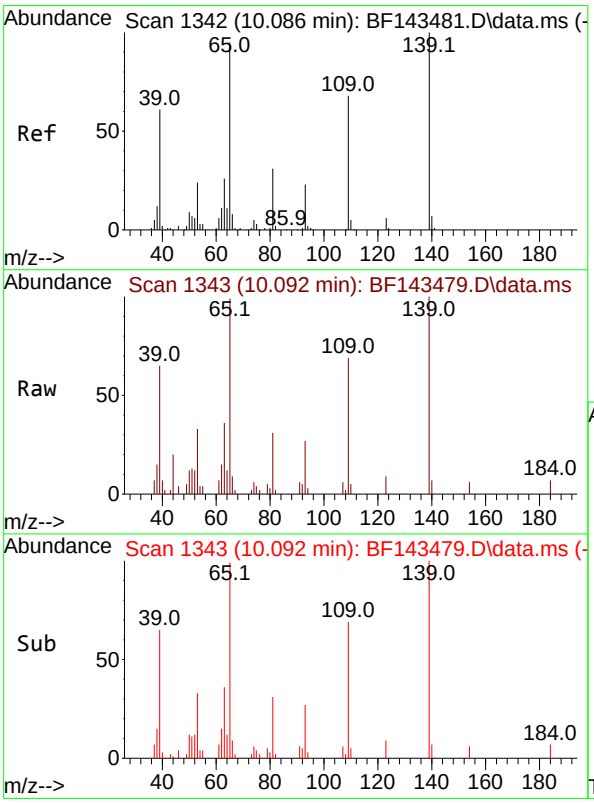
#55
Dibenzofuran
Concen: 10.528 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 237099

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.8	44.6
169	13.1	10.8	16.2

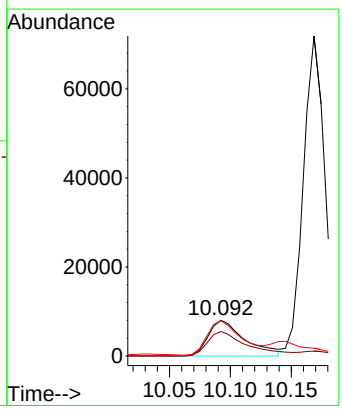


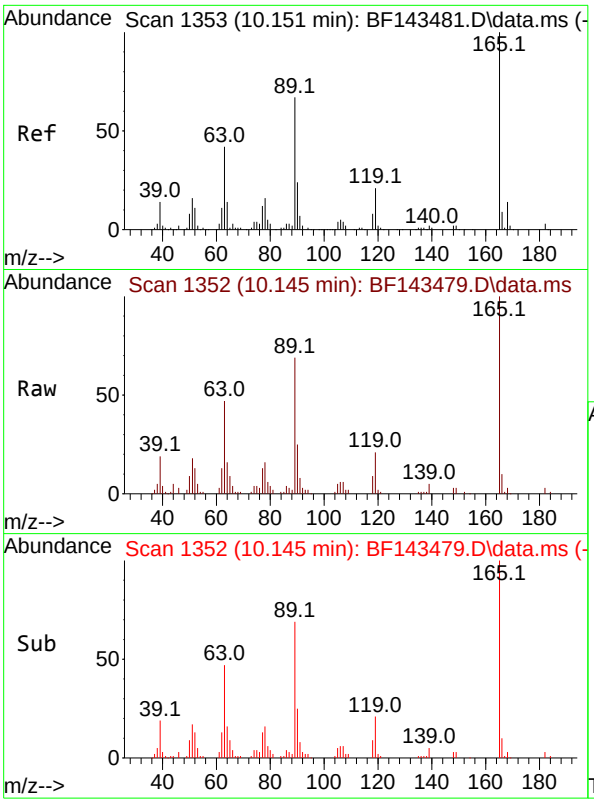


#56
4-Nitrophenol
Concen: 7.146 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:139 Resp: 16733

Ion	Ratio	Lower	Upper
139	100		
109	68.9	48.2	88.2
65	98.8	75.8	115.8



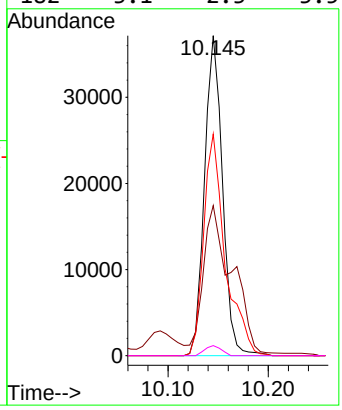


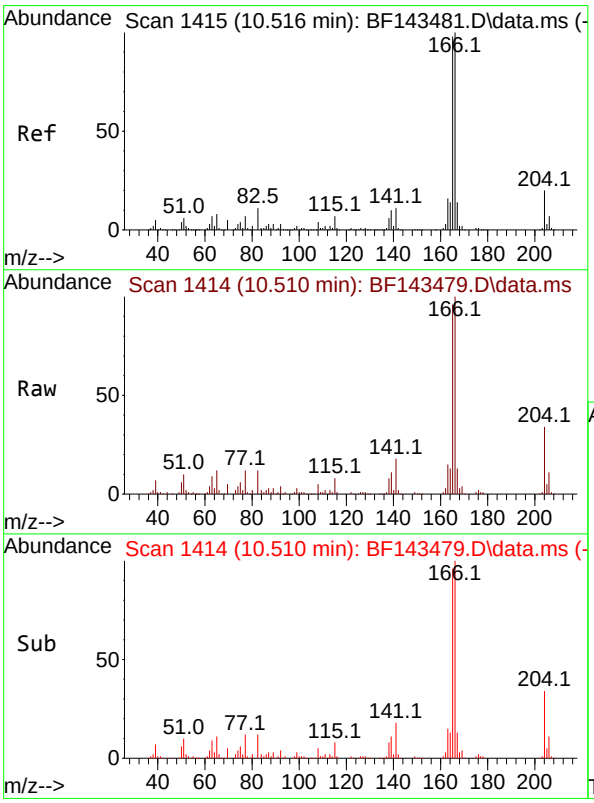
#57
2,4-Dinitrotoluene
Concen: 9.534 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 46361

Ion	Ratio	Lower	Upper
165	100		
63	46.9	34.9	52.3
89	69.2	53.3	79.9
182	3.1	2.3	3.5

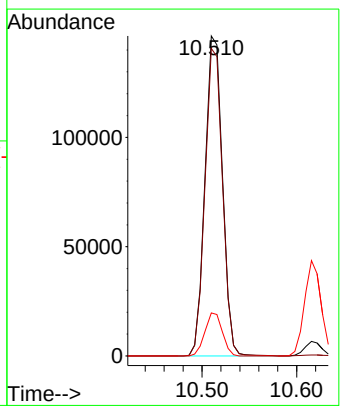


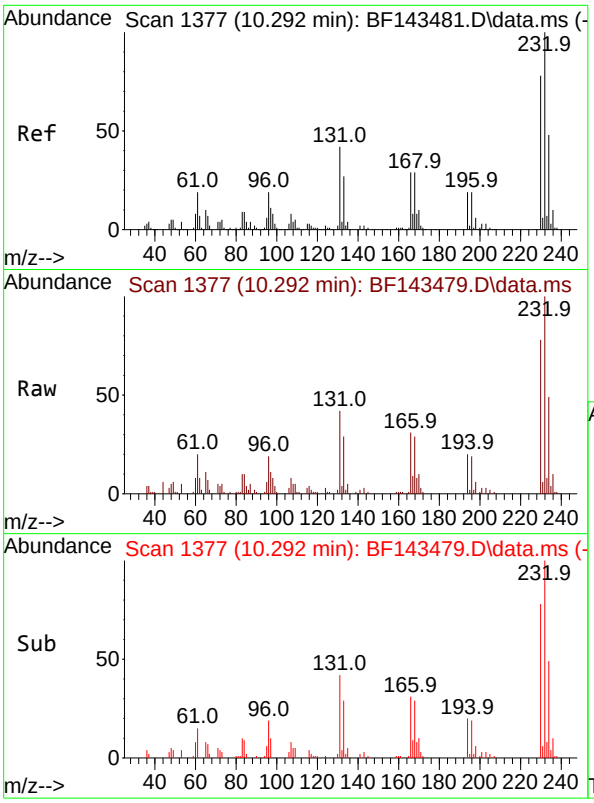


#58
Fluorene
Concen: 10.820 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:166 Resp: 187535

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.3	117.5
167	13.4	11.0	16.4



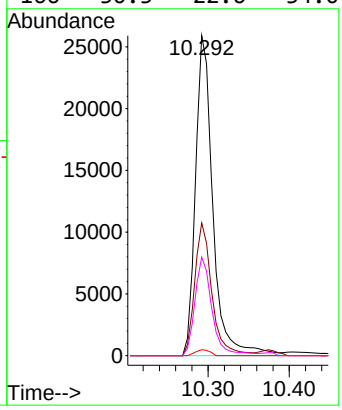


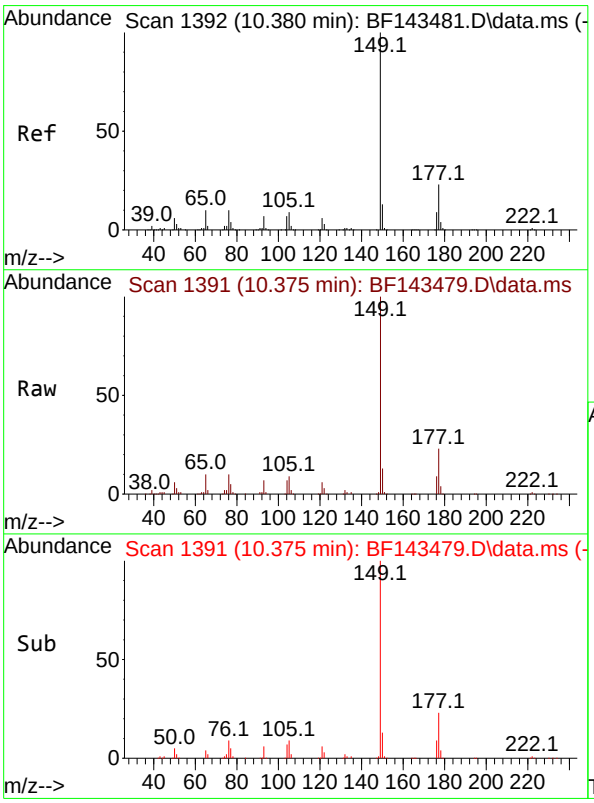
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.253 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 38561

Ion	Ratio	Lower	Upper
232	100		
131	41.1	32.7	49.1
130	1.6	1.6	2.4#
166	30.3	22.6	34.0

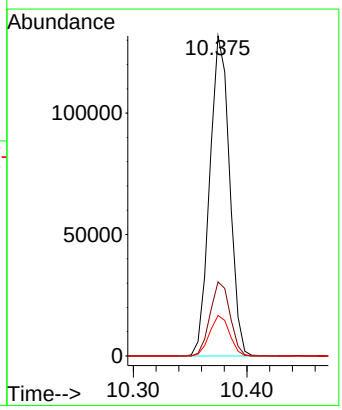


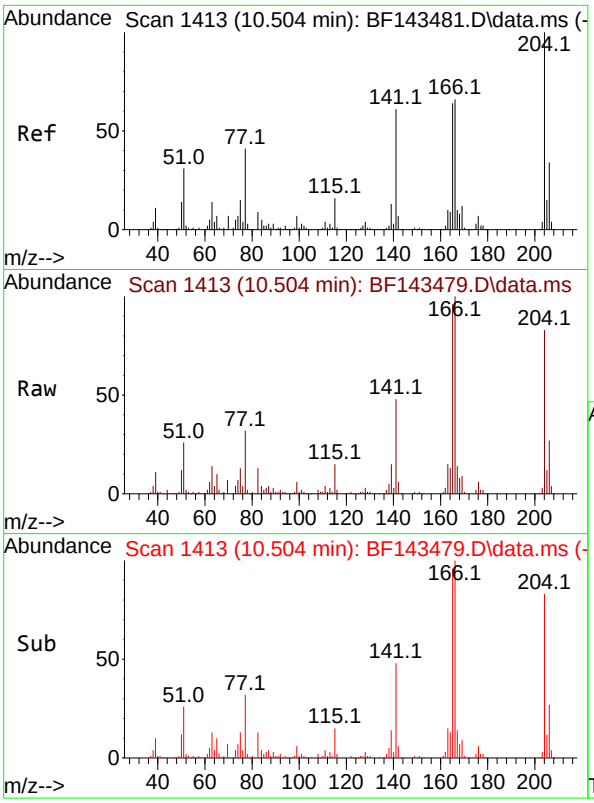


#60
Diethylphthalate
Concen: 10.156 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 160006

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.7	10.3	15.5



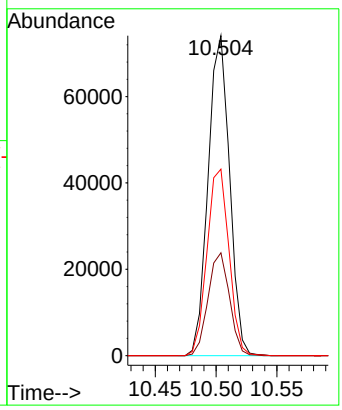


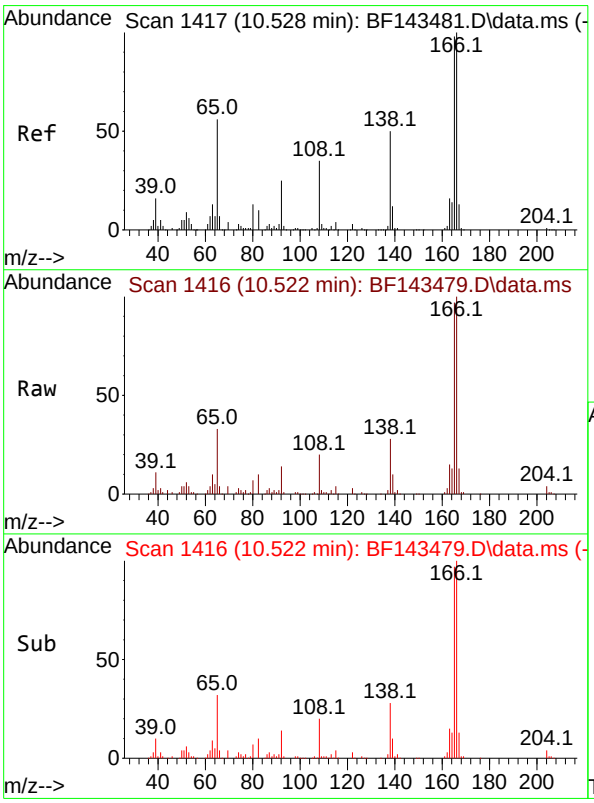
#61
4-Chlorophenyl-phenylether
Concen: 10.494 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 90965

Ion	Ratio	Lower	Upper
204	100		
206	32.1	27.0	40.4
141	58.3	48.7	73.1

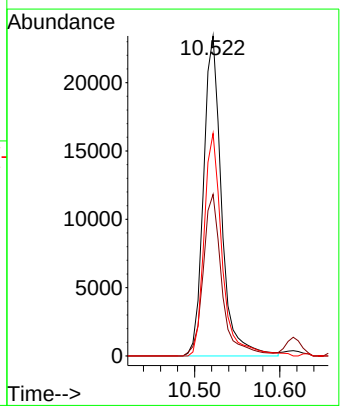


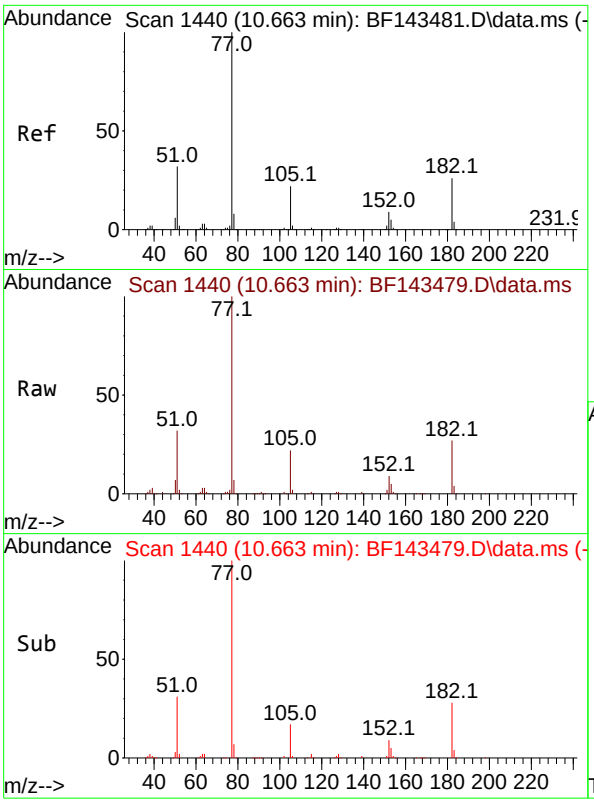


#62
4-Nitroaniline
Concen: 9.550 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:138 Resp: 34518

Ion	Ratio	Lower	Upper
138	100		
92	50.5	29.3	69.3
108	69.5	50.7	90.7



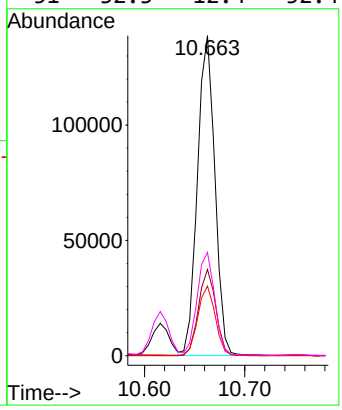


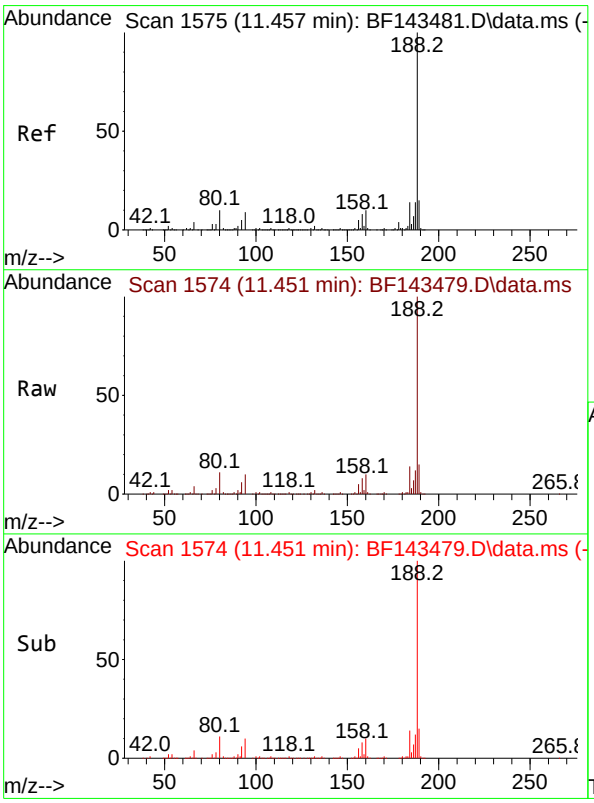
#63
Azobenzene
Concen: 10.307 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 168373

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.2	46.2
105	21.8	2.2	42.2
51	32.3	12.4	52.4

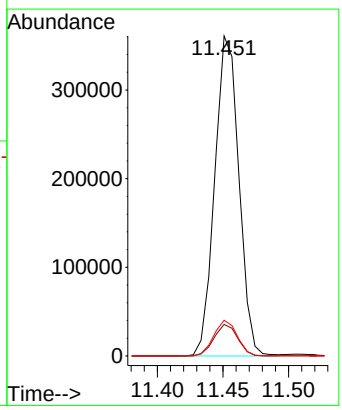


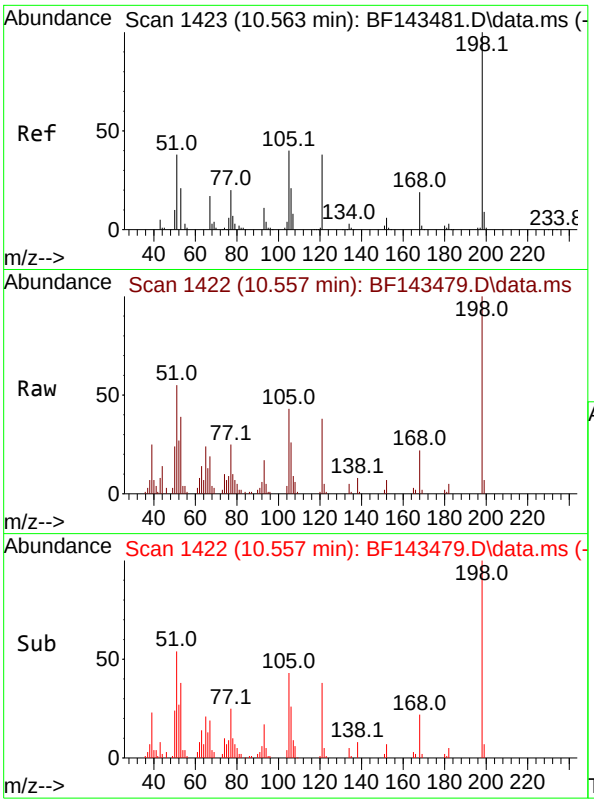


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:188 Resp: 461672

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	11.1	8.2	12.4



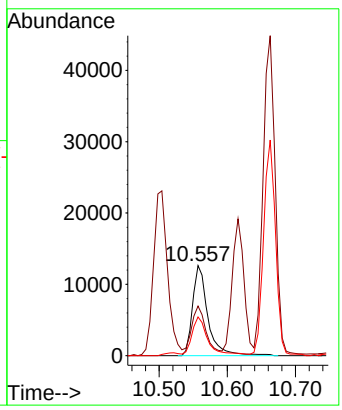


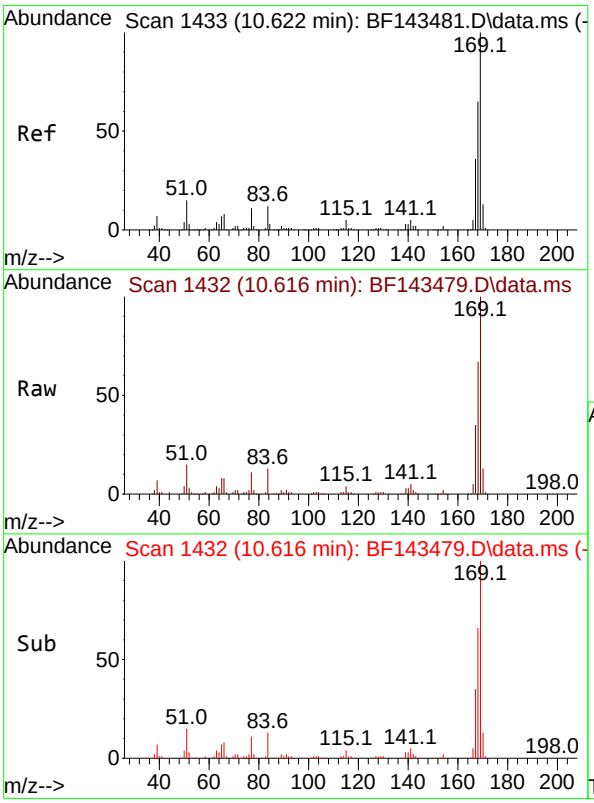
#65
4,6-Dinitro-2-methylphenol
Concen: 7.552 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 19659

Ion	Ratio	Lower	Upper
198	100		
51	55.1	29.6	69.6
105	43.0	21.5	61.5

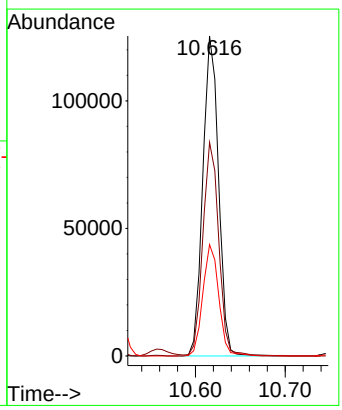


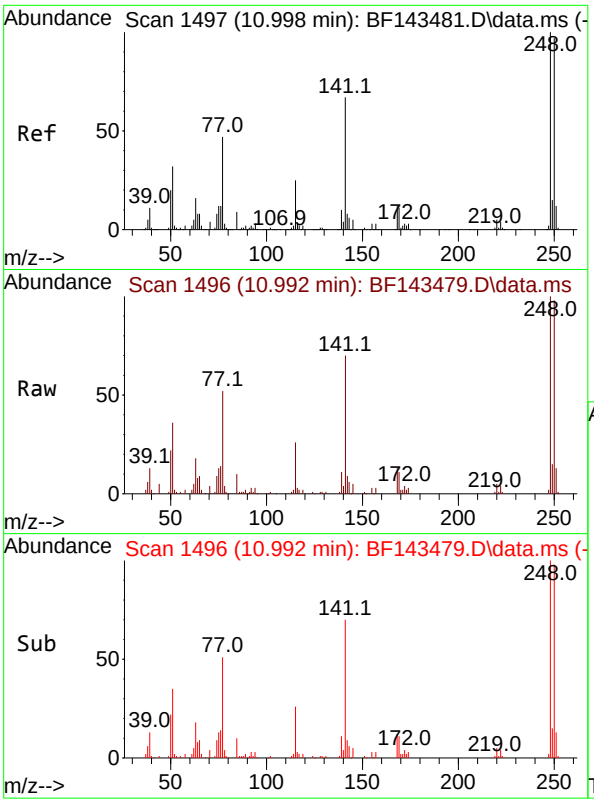


#66
n-Nitrosodiphenylamine
Concen: 10.271 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:169 Resp: 152607

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.4	78.6
167	34.8	28.9	43.3



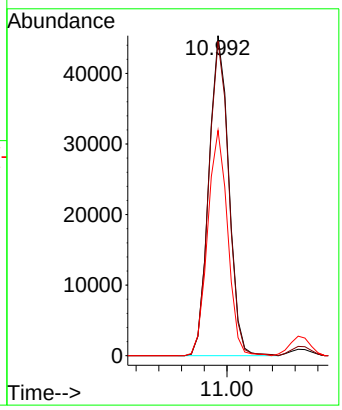


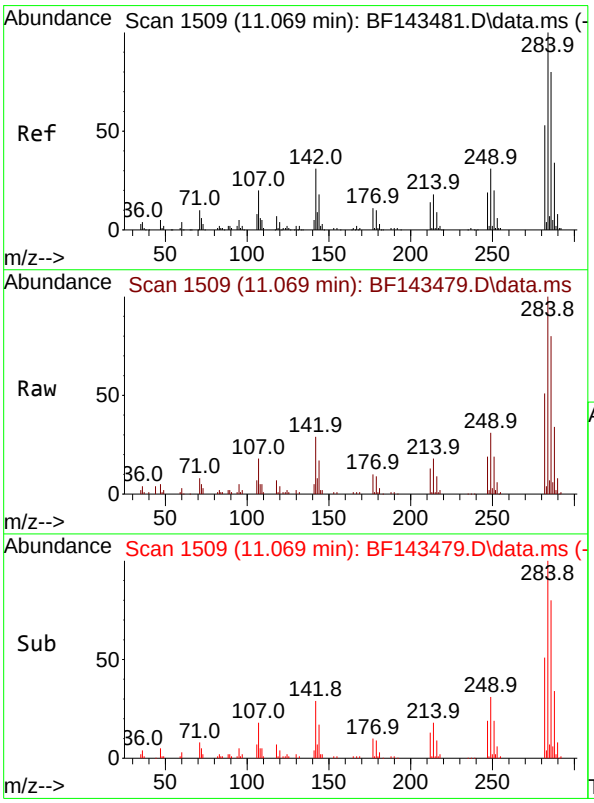
#67
4-Bromophenyl-phenylether
Concen: 10.043 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 55324

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.8	116.8
141	70.4	54.0	81.0

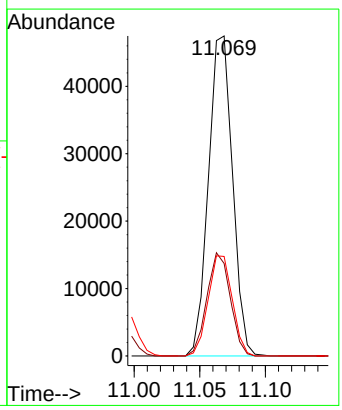


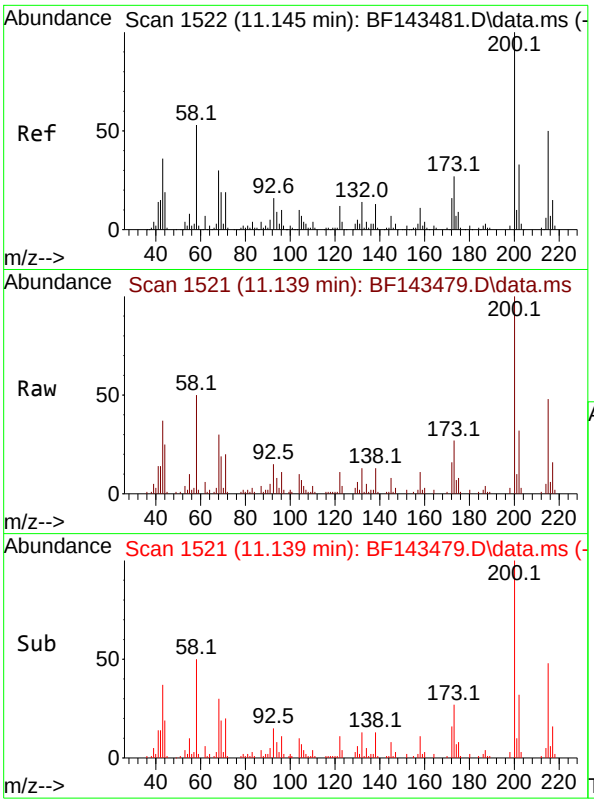


#68
Hexachlorobenzene
Concen: 10.202 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:284 Resp: 60577

Ion	Ratio	Lower	Upper
284	100		
142	28.9	24.4	36.6
249	31.1	25.0	37.6



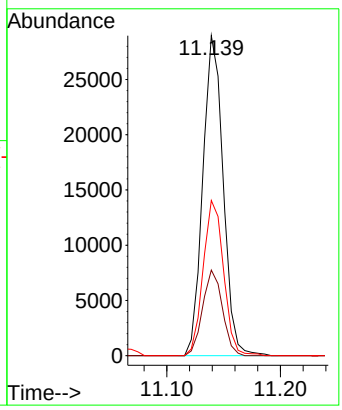


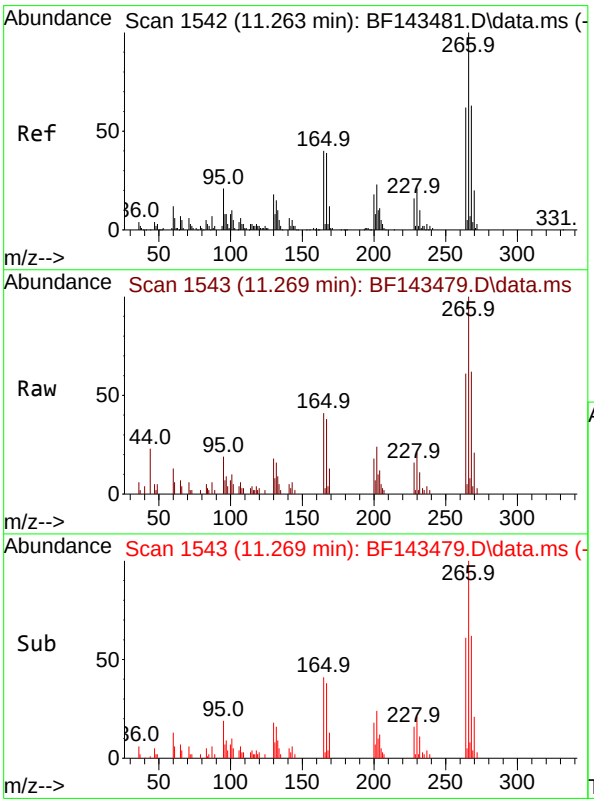
#69
Atrazine
Concen: 9.406 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 36074

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.9	46.9
215	48.5	30.0	70.0

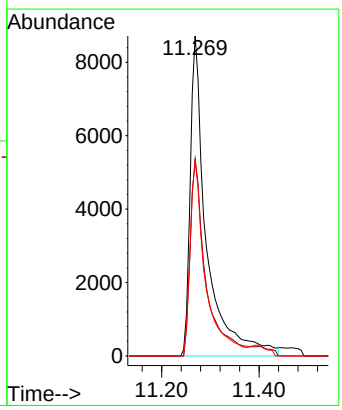


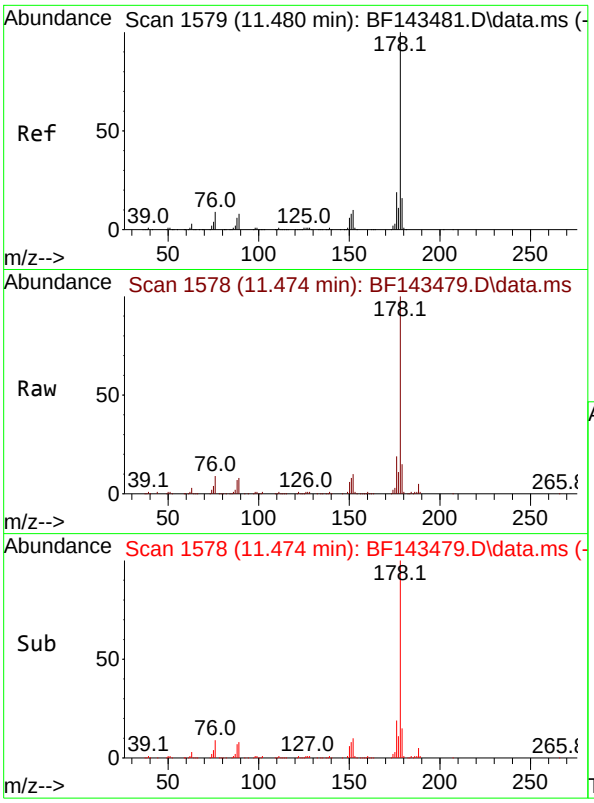


#70
Pentachlorophenol
Concen: 7.492 ng
RT: 11.269 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:266 Resp: 20373

Ion	Ratio	Lower	Upper
266	100		
268	61.6	50.5	75.7
264	60.9	49.8	74.8



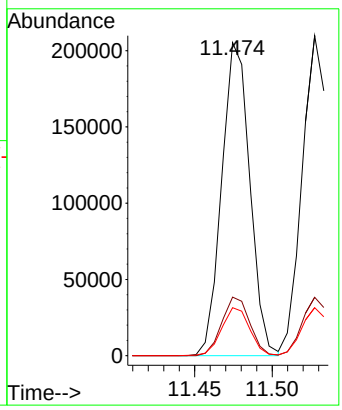


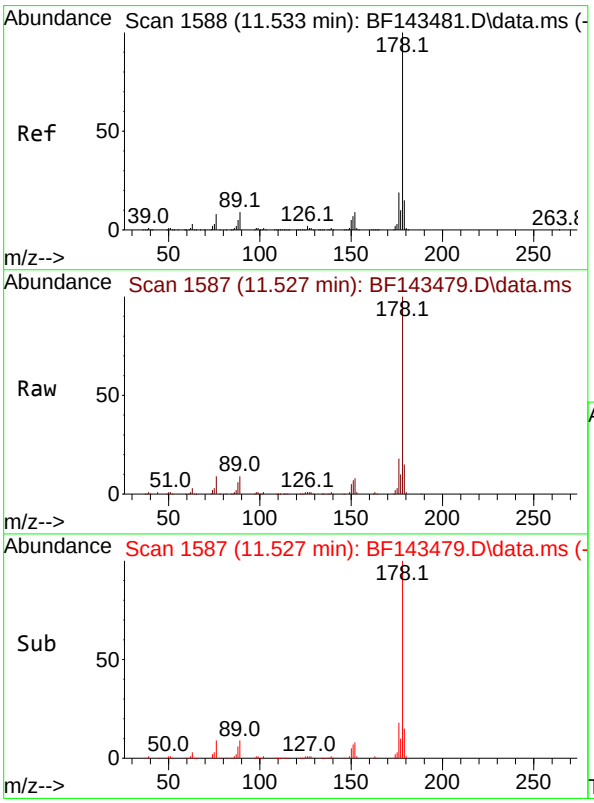
#71
Phenanthrene
Concen: 10.486 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 259254

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.3	12.5	18.7

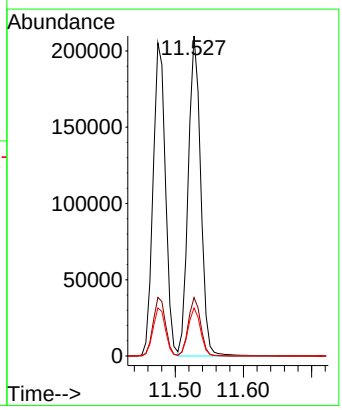


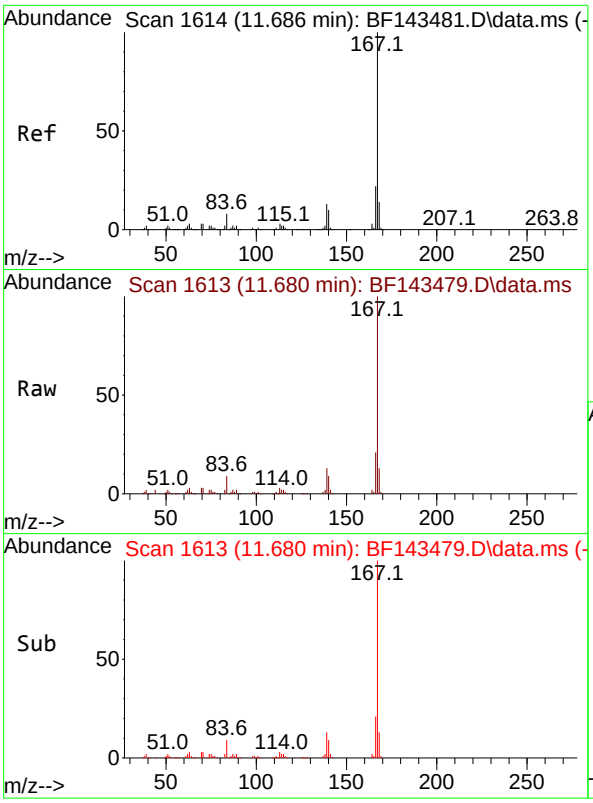


#72
Anthracene
Concen: 10.541 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:178 Resp: 263998

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.0	12.3	18.5



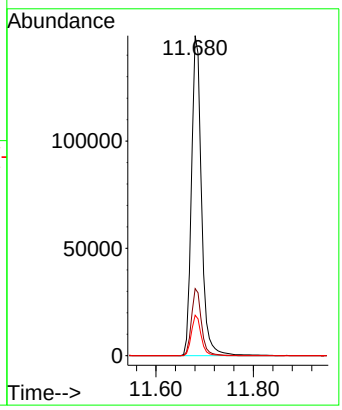


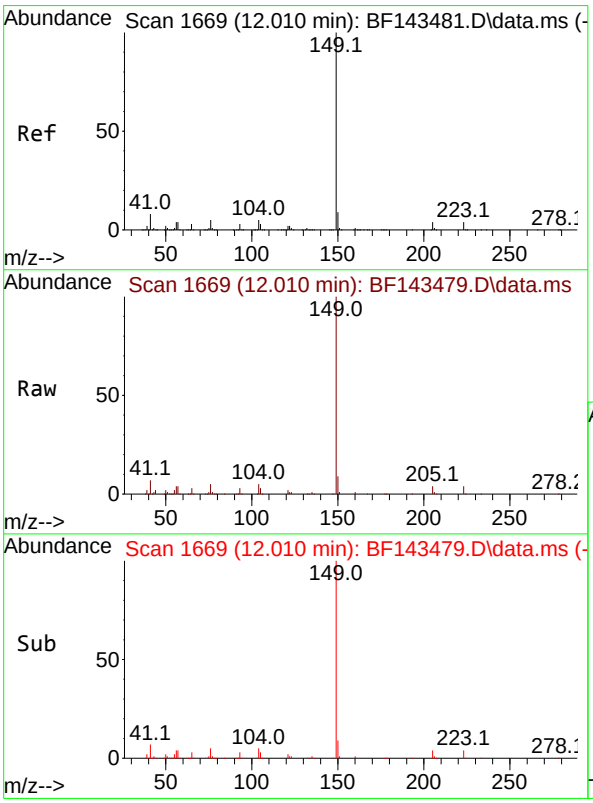
#73
Carbazole
Concen: 10.400 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 213439

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.3	25.9
139	12.6	10.0	15.0

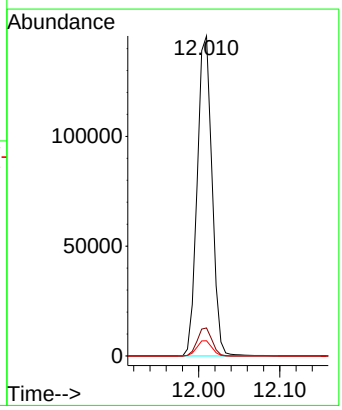


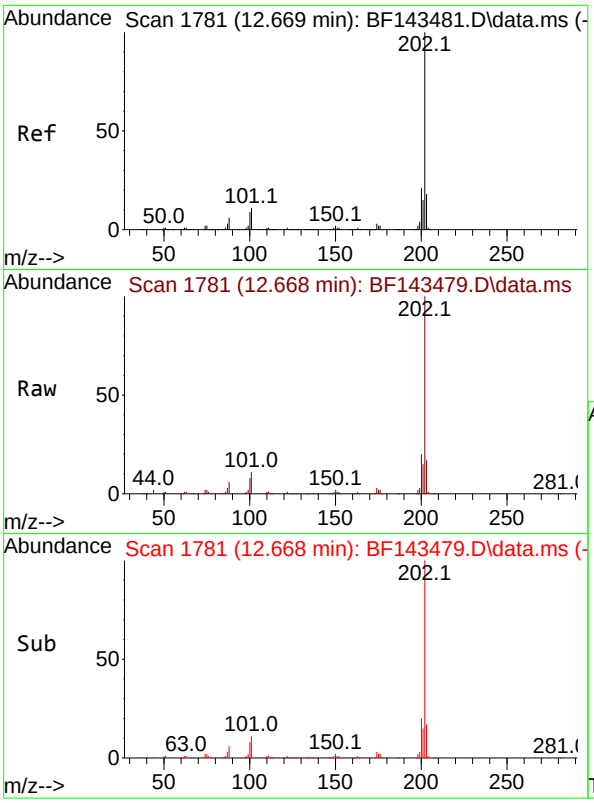


#74
Di-n-butylphthalate
Concen: 9.642 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 184596

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.2	10.8
104	4.8	3.6	5.4



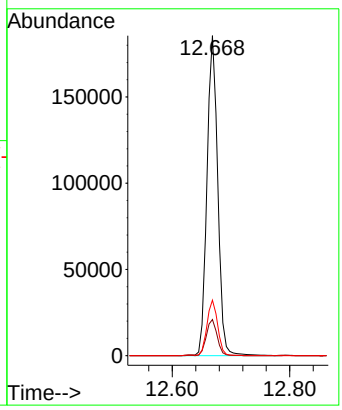


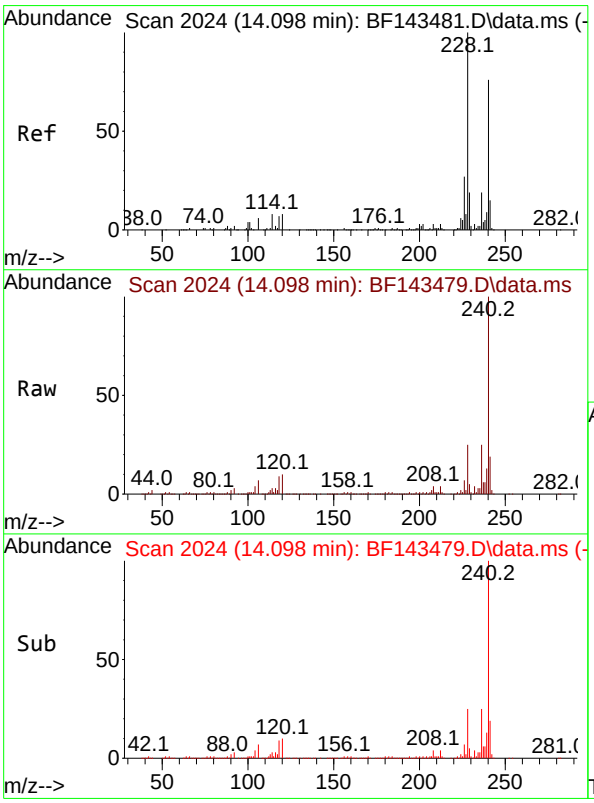
#75
Fluoranthene
Concen: 10.618 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 235543

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.3
203	17.4	0.0	37.9

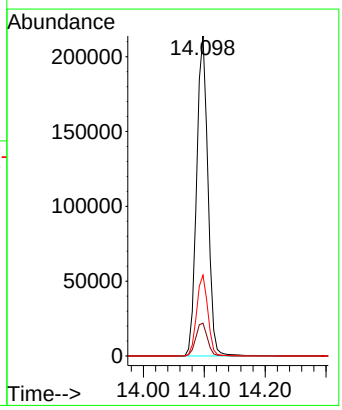


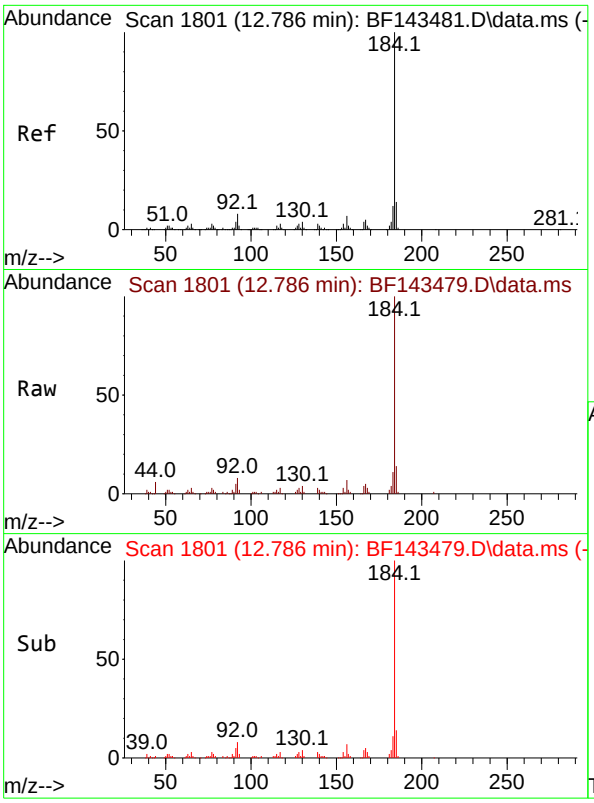


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:240 Resp: 274933

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	12.8
236	25.2	20.4	30.6



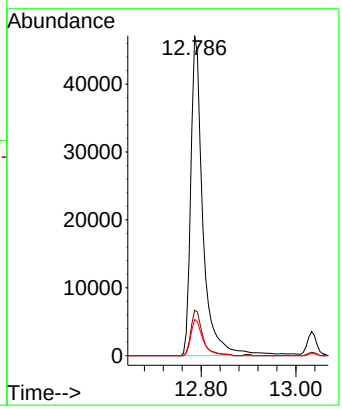


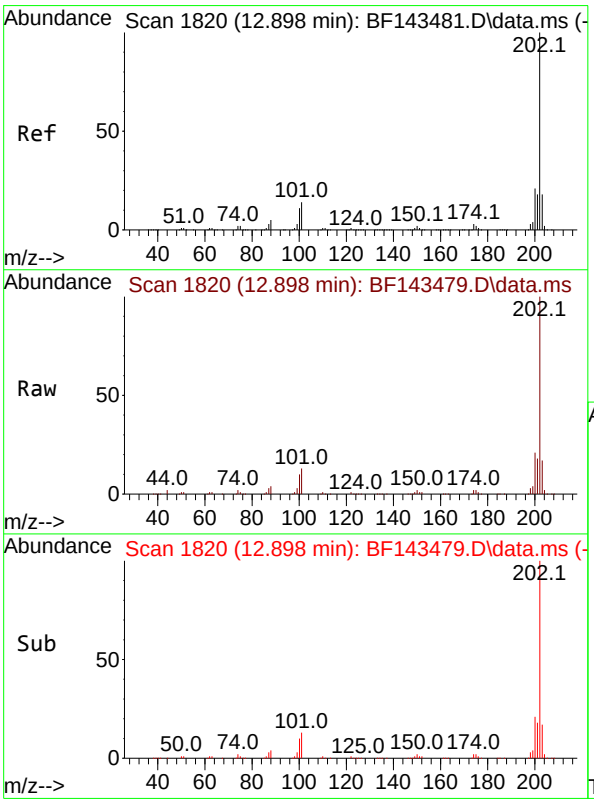
#77
Benzidine
Concen: 12.549 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 84040

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	11.3	9.5	14.3

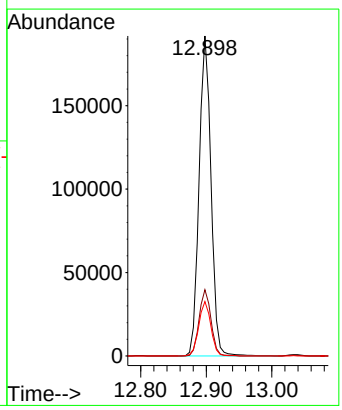


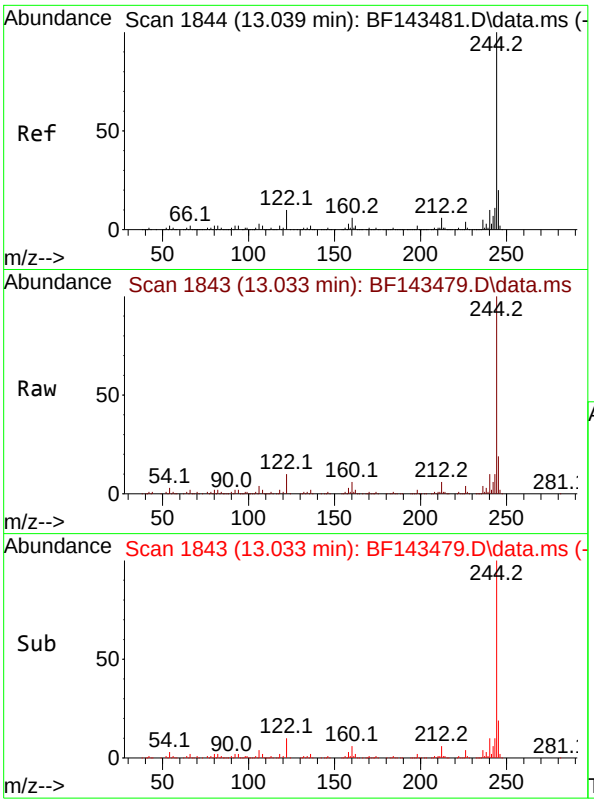


#78
Pyrene
Concen: 10.747 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:202 Resp: 243049

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.0	14.3	21.5



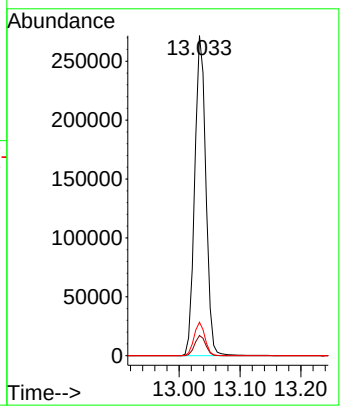


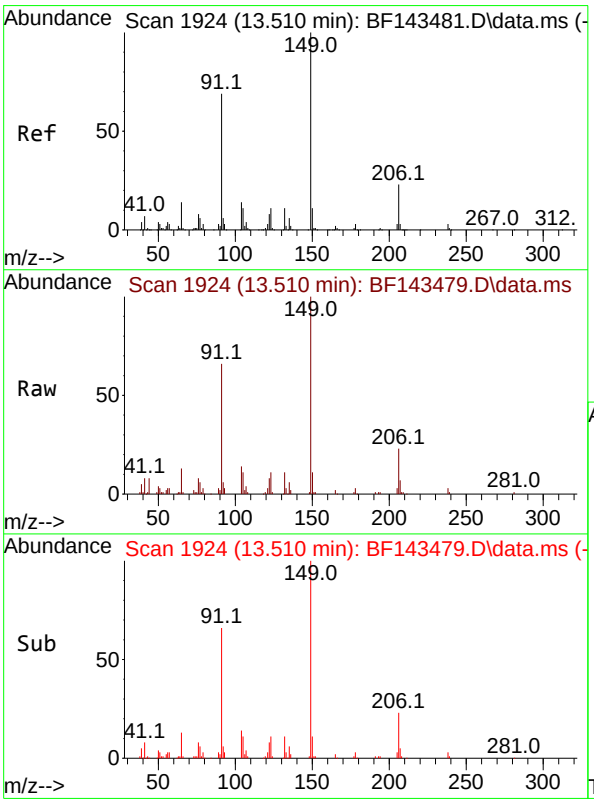
#79
Terphenyl-d14
Concen: 21.893 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 344924

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	10.4	7.9	11.9

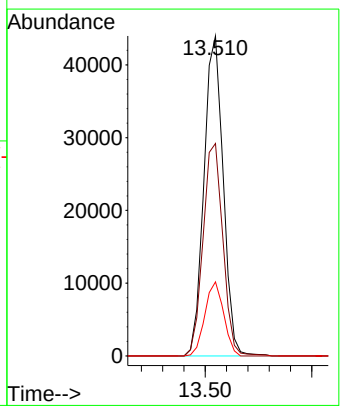


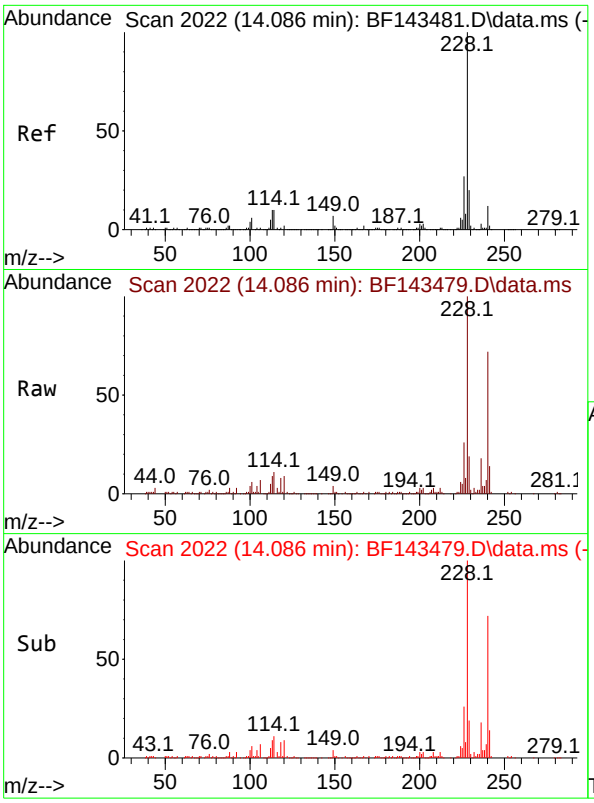


#80
Butylbenzylphthalate
Concen: 8.939 ng
RT: 13.510 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 55227

Ion	Ratio	Lower	Upper
149	100		
91	66.4	55.3	82.9
206	23.1	18.2	27.4



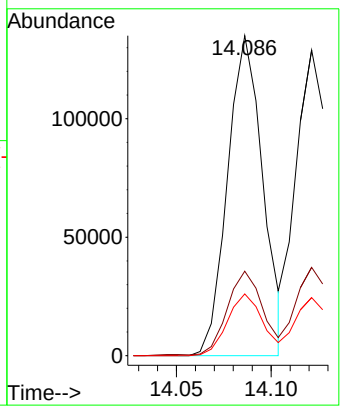


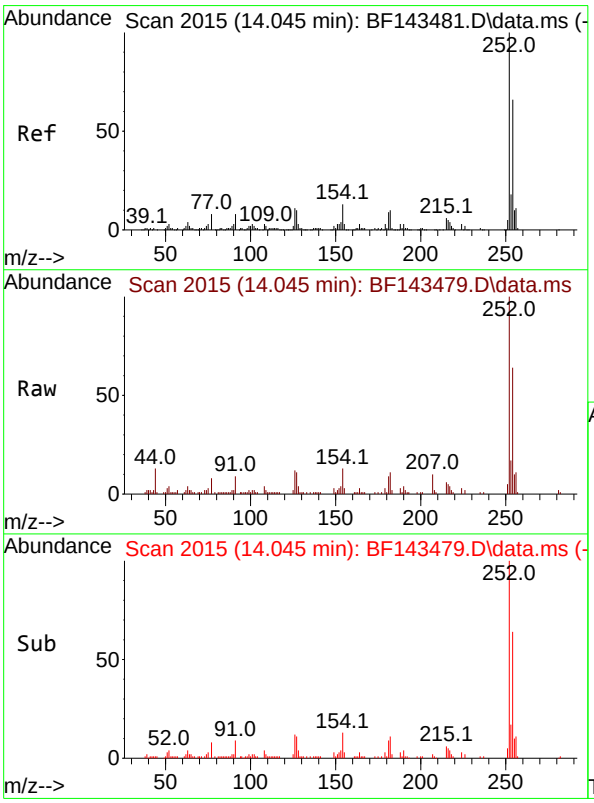
#81
Benzo(a)anthracene
Concen: 9.898 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 175192

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.7	32.5
229	19.3	15.7	23.5

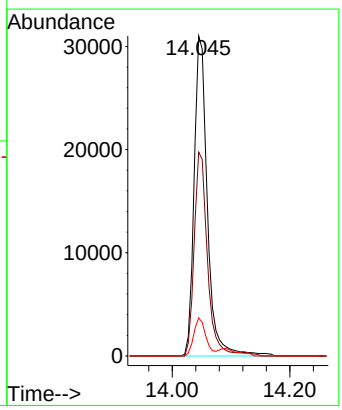


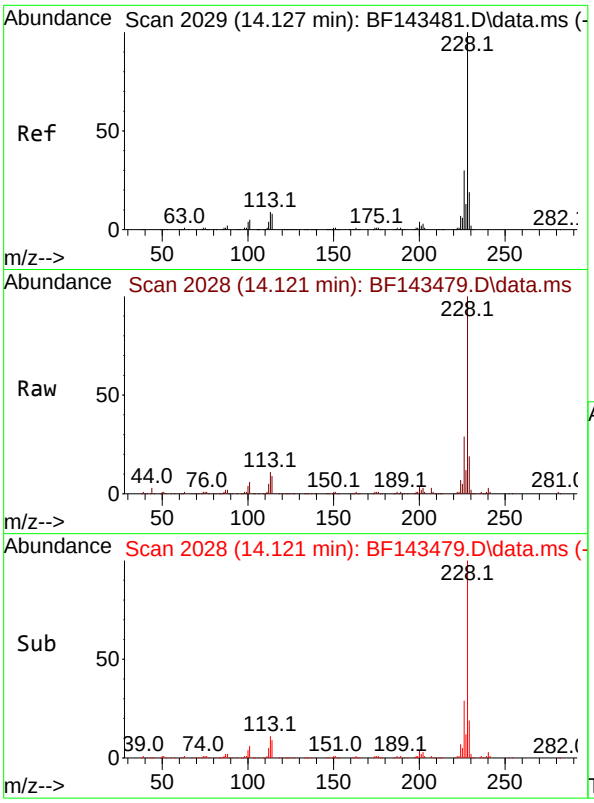


#82
3,3'-Dichlorobenzidine
Concen: 9.566 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 48491

Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.6	79.0
126	11.9	8.7	13.1



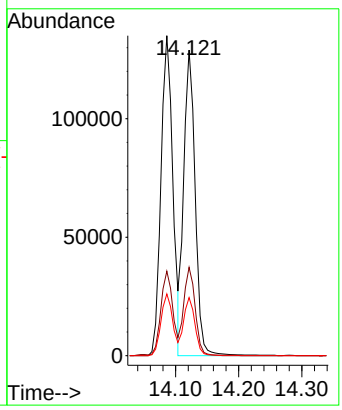


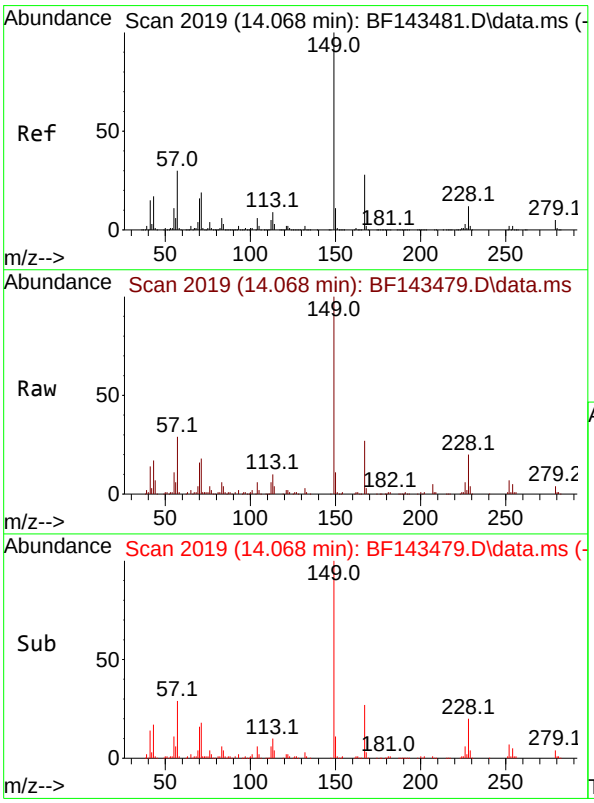
#83
Chrysene
Concen: 10.323 ng
RT: 14.121 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 164205

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.0	15.7	23.5

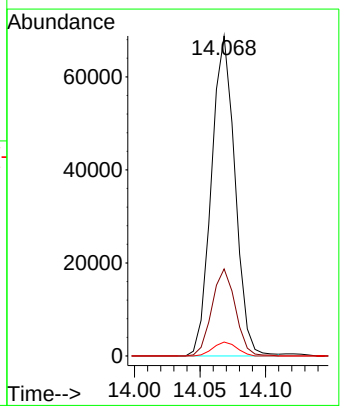


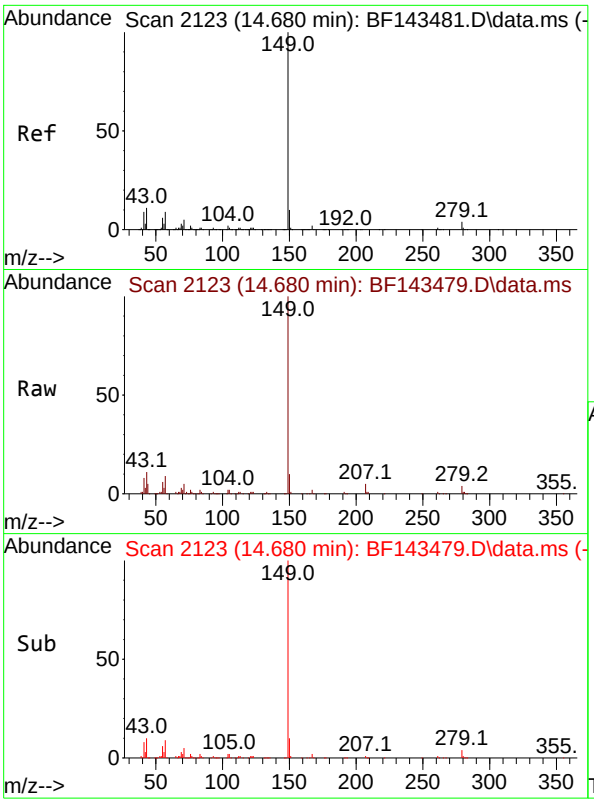


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.146 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:149 Resp: 86065

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.2
279	4.4	3.6	5.4



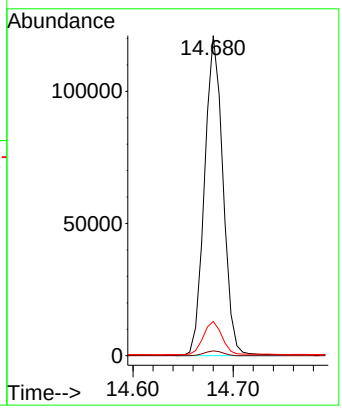


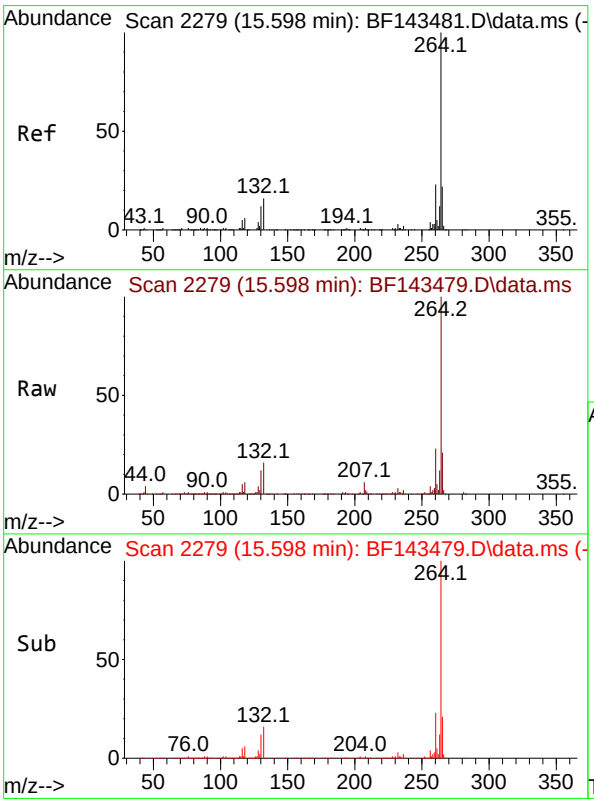
#85
Di-n-octyl phthalate
Concen: 8.906 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 155239

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.5	12.7

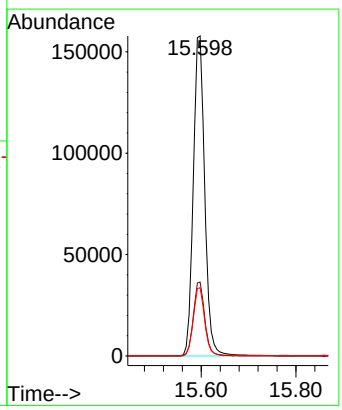


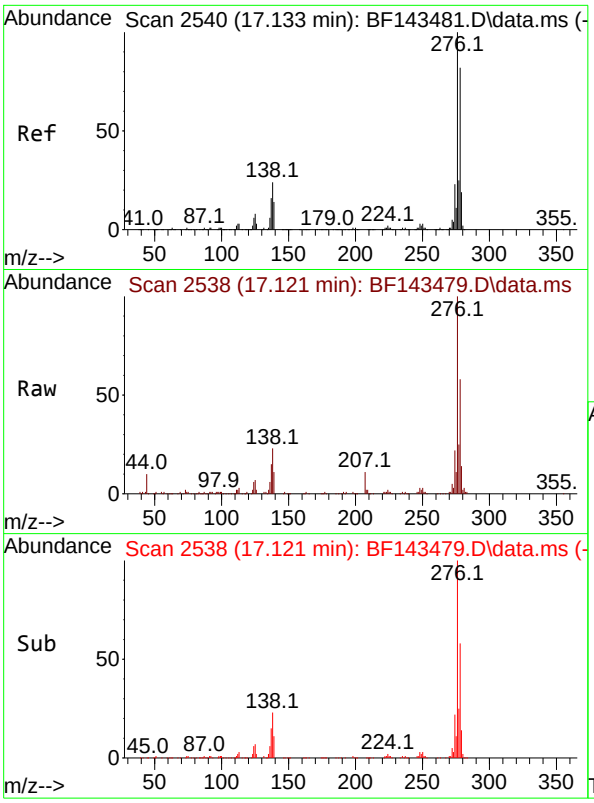


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:264 Resp: 265385

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.3	17.6	26.4



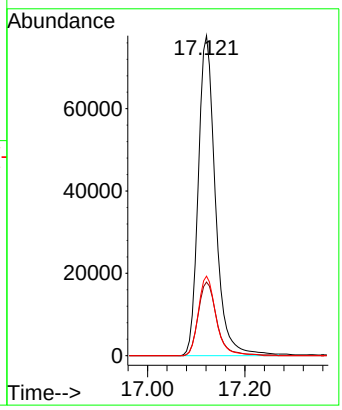


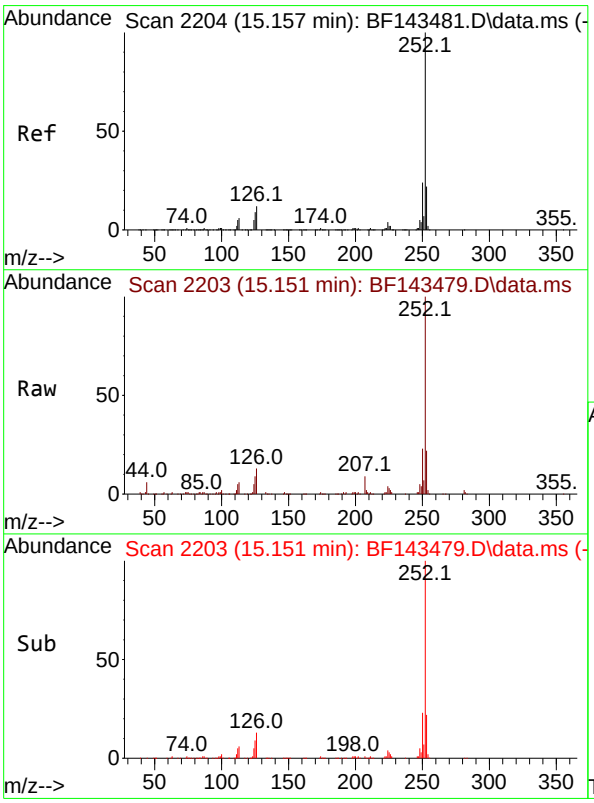
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.970 ng
RT: 17.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 190133

Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.2	28.8
277	25.5	20.3	30.5

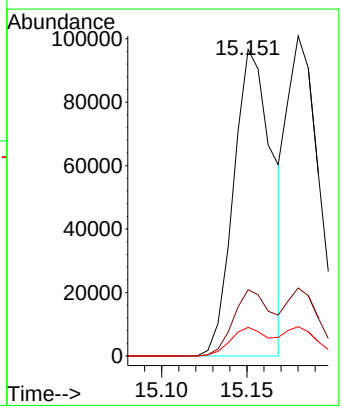


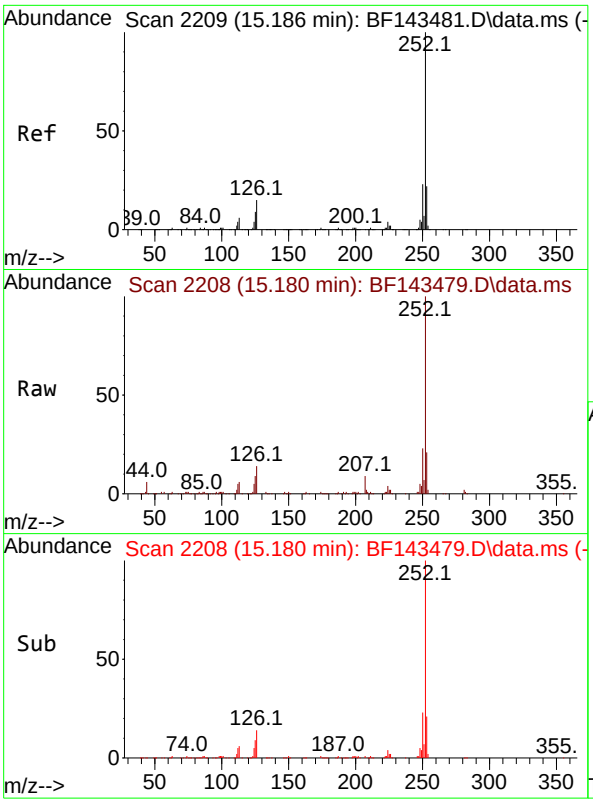


#88
Benzo(b)fluoranthene
Concen: 10.314 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 152145

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.4	7.4	11.0



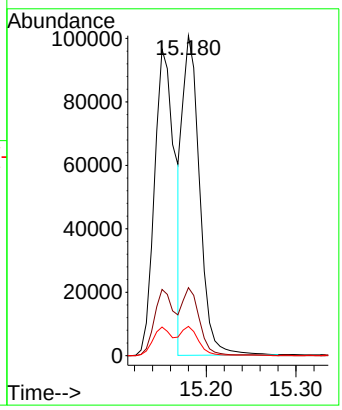


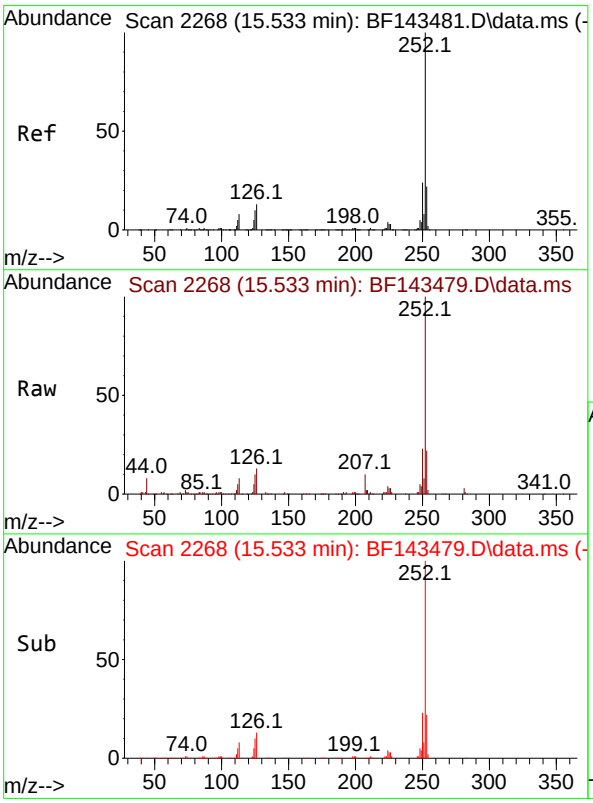
#89
Benzo(k)fluoranthene
Concen: 9.524 ng
RT: 15.180 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 134513

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	9.2	7.4	11.0

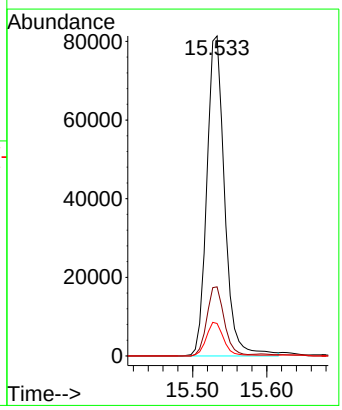


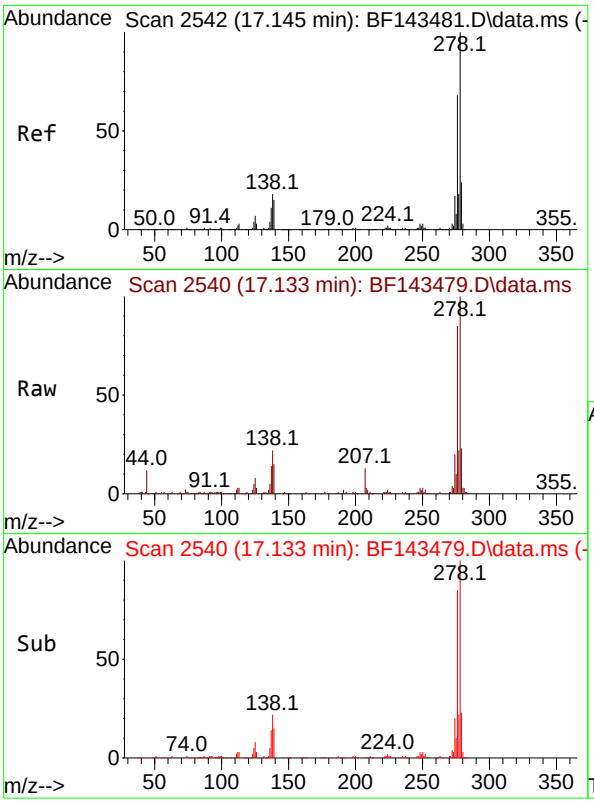


#90
Benzo(a)pyrene
Concen: 9.898 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:252 Resp: 135536

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.1	8.2	12.2



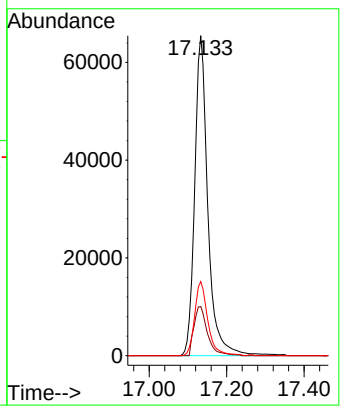


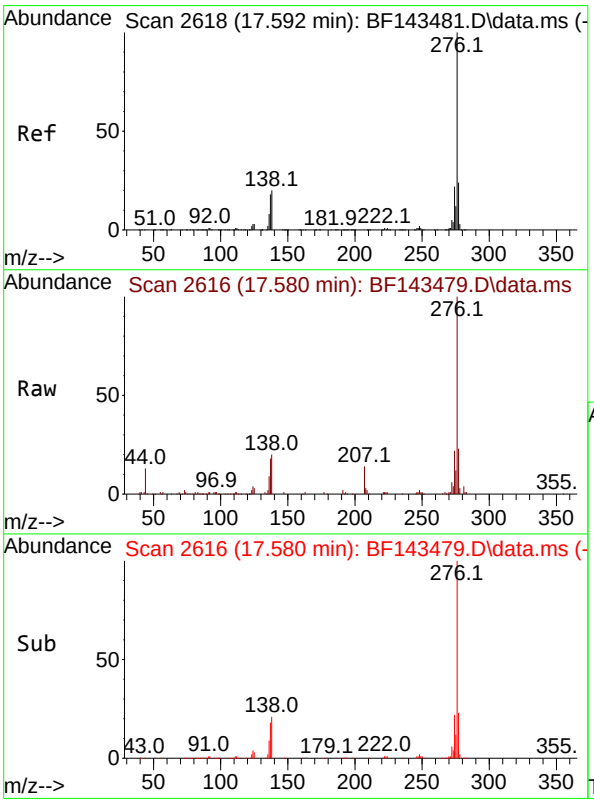
#91
Dibenzo(a,h)anthracene
Concen: 10.113 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 154454

Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.1	18.1
279	23.1	19.2	28.8

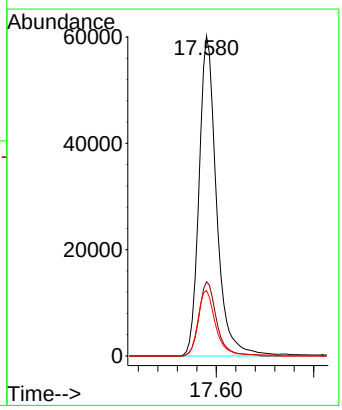




#92
Benzo(g,h,i)perylene
Concen: 9.865 ng
RT: 17.580 min Scan# 2616
Delta R.T. -0.024 min
Lab File: BF143479.D
Acq: 20 Aug 2025 11:54

Tgt Ion:276 Resp: 149813

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.9	28.3
138	20.5	16.3	24.5



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Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	135122	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	502602	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	273375	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	425626	20.000	ng		0.00
76) Chrysene-d12	14.098	240	241250	20.000	ng		0.00
86) Perylene-d12	15.598	264	255472	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	322546	41.682	ng		0.00
7) Phenol-d6	6.557	99	397415	41.604	ng		-0.02
23) Nitrobenzene-d5	7.487	82	358365	41.608	ng		-0.01
42) 2,4,6-Tribromophenol	10.757	330	106021	41.663	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	723237	43.723	ng		0.00
79) Terphenyl-d14	13.033	244	601957	43.541	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.740	88	72831	20.317	ng		99
3) Pyridine	3.528	79	193877	20.306	ng		100
4) n-Nitrosodimethylamine	3.452	42	83662	19.492	ng		97
6) Aniline	6.587	93	264694	20.731	ng		99
8) 2-Chlorophenol	6.716	128	175887	20.579	ng		99
9) Benzaldehyde	6.475	77	132575	17.142	ng		100
10) Phenol	6.575	94	233093	21.182	ng		91
11) bis(2-Chloroethyl)ether	6.657	93	166906	20.296	ng		99
12) 1,3-Dichlorobenzene	6.869	146	198141	20.633	ng		99
13) 1,4-Dichlorobenzene	6.945	146	200428	20.806	ng		99
14) 1,2-Dichlorobenzene	7.098	146	187297	20.536	ng		100
15) Benzyl Alcohol	7.063	79	143623	20.082	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.192	45	277424	21.087	ng		96
17) 2-Methylphenol	7.181	107	142643	20.794	ng		95
18) Hexachloroethane	7.439	117	67887	20.727	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	118831	20.353	ng		97
20) 3+4-Methylphenols	7.334	107	178398	21.785	ng		98
22) Acetophenone	7.328	105	230609	21.238	ng	#	99
24) Nitrobenzene	7.504	77	183817	20.736	ng		99
25) Isophorone	7.745	82	323869	20.513	ng		98
26) 2-Nitrophenol	7.822	139	88771	20.444	ng		98
27) 2,4-Dimethylphenol	7.863	122	141452	20.897	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	201584	20.776	ng		99
29) 2,4-Dichlorophenol	8.069	162	152215	21.055	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	157575	21.200	ng		99
31) Naphthalene	8.234	128	509408	21.111	ng		100
32) Benzoic acid	7.963	122	58396	19.199	ng		98
33) 4-Chloroaniline	8.275	127	181928	21.243	ng		99
34) Hexachlorobutadiene	8.351	225	100875	20.802	ng		99
35) Caprolactam	8.628	113	33991	19.594	ng		99
36) 4-Chloro-3-methylphenol	8.757	107	152197	21.008	ng		98
37) 2-Methylnaphthalene	8.922	142	343900	21.339	ng		99
38) 1-Methylnaphthalene	9.022	142	326683	21.191	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	167691	21.445	ng		100
41) Hexachlorocyclopentadiene	9.081	237	41723	19.072	ng		100
43) 2,4,6-Trichlorophenol	9.204	196	99517	20.683	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

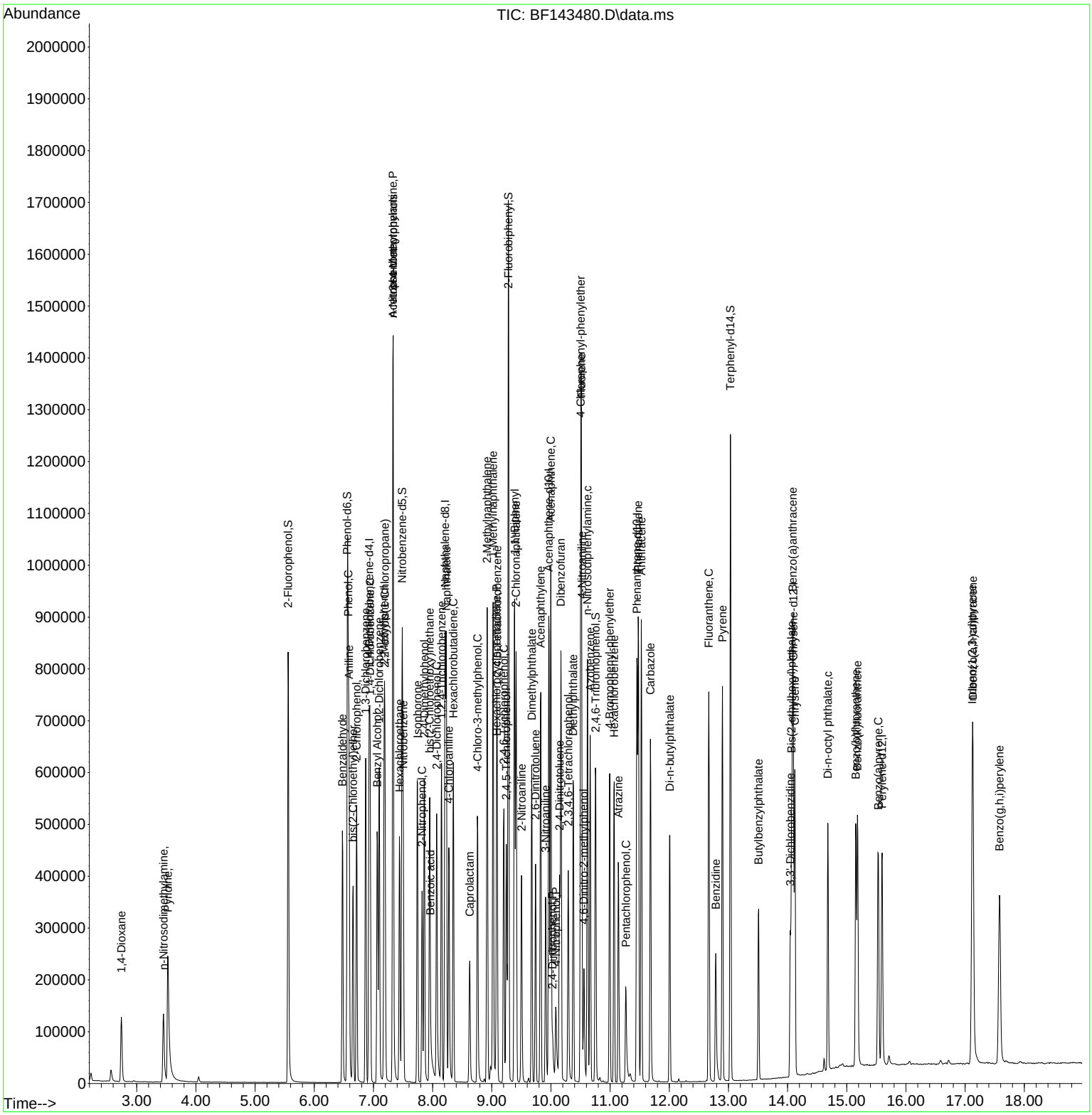
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	112939	21.488	ng	97
46) 1,1'-Biphenyl	9.386	154	415294	21.403	ng	99
47) 2-Chloronaphthalene	9.410	162	320277	21.037	ng	99
48) 2-Nitroaniline	9.504	65	92468	20.753	ng	98
49) Acenaphthylene	9.828	152	461236	21.158	ng	100
50) Dimethylphthalate	9.675	163	342268	20.788	ng	100
51) 2,6-Dinitrotoluene	9.739	165	70716	20.723	ng	98
52) Acenaphthene	9.998	154	310782	20.998	ng	100
53) 3-Nitroaniline	9.910	138	76663	20.791	ng	97
54) 2,4-Dinitrophenol	10.028	184	26974	19.096	ng	94
55) Dibenzofuran	10.169	168	450207	21.335	ng	100
56) 4-Nitrophenol	10.086	139	40278	18.359	ng	99
57) 2,4-Dinitrotoluene	10.145	165	95333	20.923	ng	98
58) Fluorene	10.516	166	347075	21.370	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	81629	20.905	ng	99
60) Diethylphthalate	10.375	149	303476	20.558	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	171724	21.142	ng	98
62) 4-Nitroaniline	10.522	138	70583	20.840	ng	99
63) Azobenzene	10.663	77	321721	21.019	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	43824	18.261	ng	93
66) n-Nitrosodiphenylamine	10.616	169	288871	21.089	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	106363	20.944	ng	97
68) Hexachlorobenzene	11.069	284	113714	20.773	ng	98
69) Atrazine	11.139	200	69831	19.750	ng	98
70) Pentachlorophenol	11.269	266	45302	18.070	ng	97
71) Phenanthrene	11.475	178	480915	21.099	ng	99
72) Anthracene	11.527	178	488675	21.164	ng	100
73) Carbazole	11.680	167	396704	20.967	ng	100
74) Di-n-butylphthalate	12.010	149	353228	20.013	ng	100
75) Fluoranthene	12.669	202	426351	20.846	ng	99
77) Benzidine	12.786	184	160347	27.286	ng	99
78) Pyrene	12.898	202	432575	21.798	ng	99
80) Butylbenzylphthalate	13.510	149	106788	19.698	ng	98
81) Benzo(a)anthracene	14.086	228	313687	20.196	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	93226	20.959	ng	98
83) Chrysene	14.121	228	292523	20.957	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	168717	20.434	ng	99
85) Di-n-octyl phthalate	14.680	149	310954	20.329	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	399711	21.773	ng	100
88) Benzo(b)fluoranthene	15.151	252	302016	21.268	ng	100
89) Benzo(k)fluoranthene	15.180	252	269685	19.835	ng	100
90) Benzo(a)pyrene	15.533	252	274418	20.819	ng	100
91) Dibenzo(a,h)anthracene	17.133	278	321851	21.891	ng	98
92) Benzo(g,h,i)perylene	17.580	276	317263	21.701	ng	99

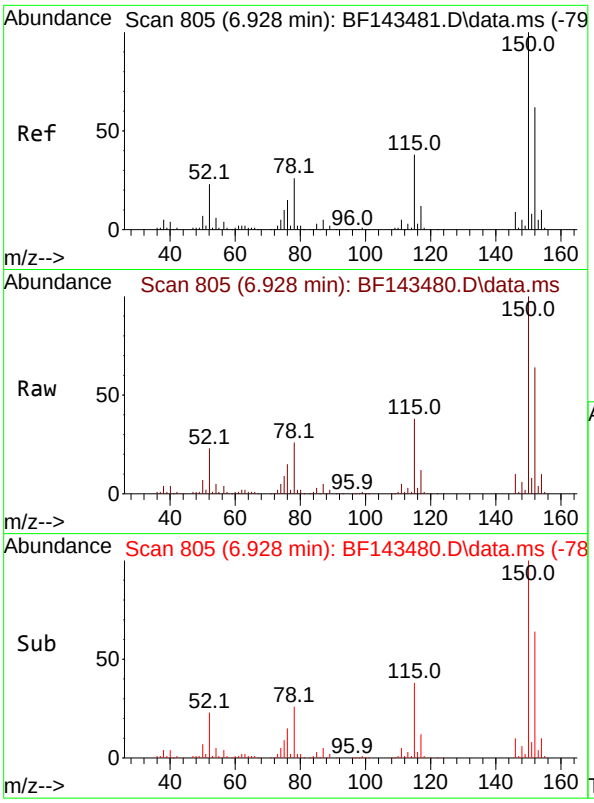
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143480.D
Acq On : 20 Aug 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 20 16:23:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



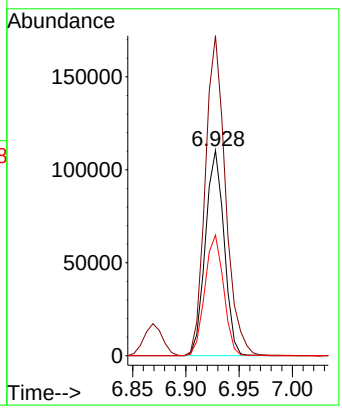


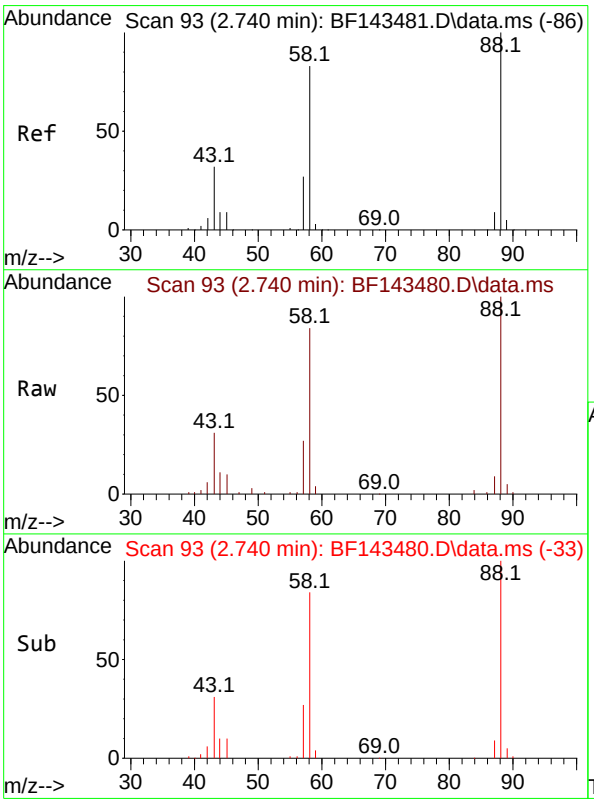
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 135122

Ion	Ratio	Lower	Upper
152	100		
150	155.9	128.9	193.3
115	58.8	49.2	73.8

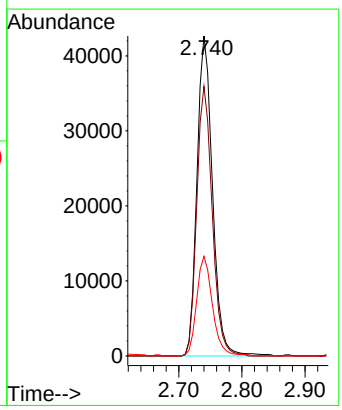


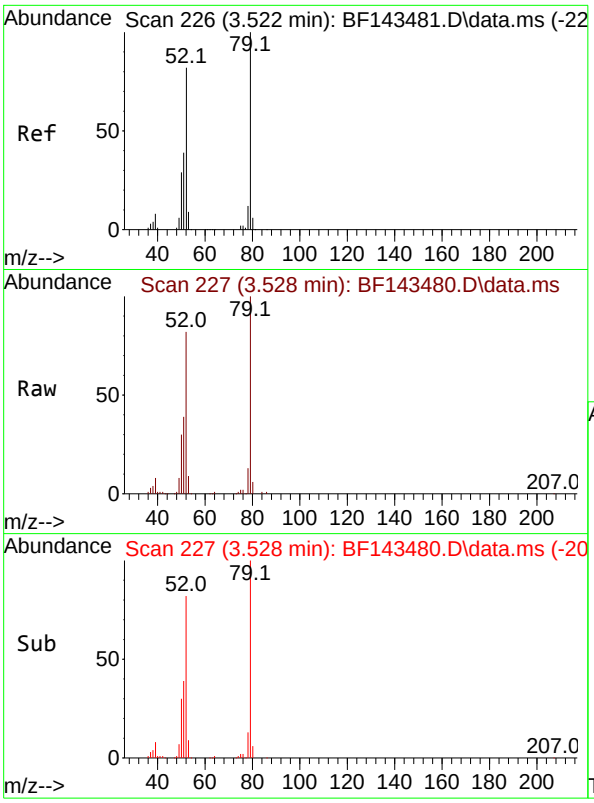


#2
1,4-Dioxane
Concen: 20.317 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 88 Resp: 72831

Ion	Ratio	Lower	Upper
88	100		
58	84.0	66.7	100.1
43	31.7	25.8	38.8



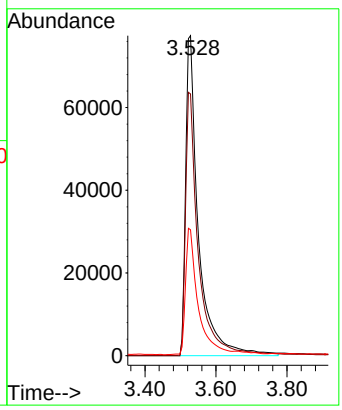


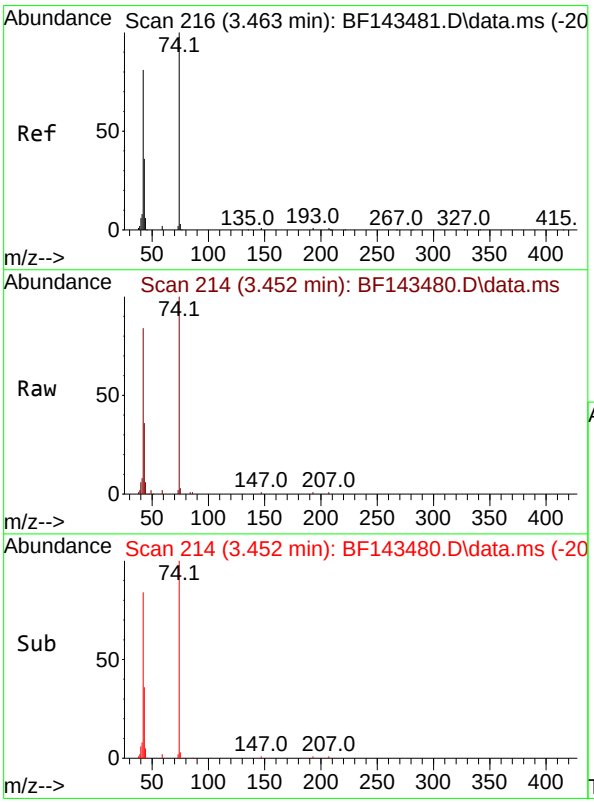
#3
Pyridine
Concen: 20.306 ng
RT: 3.528 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 193877

Ion	Ratio	Lower	Upper
79	100		
52	81.8	65.6	98.4
51	39.3	31.2	46.8

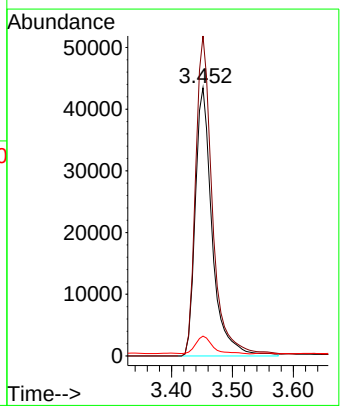


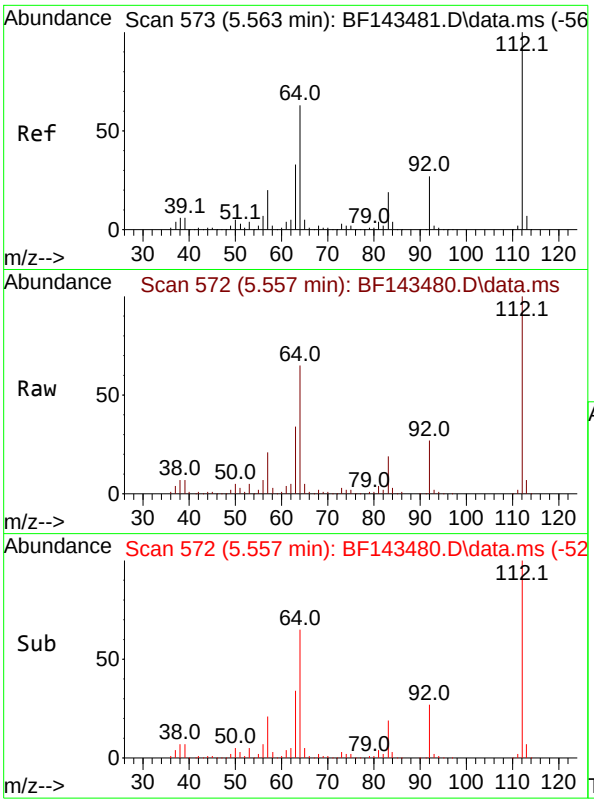


#4
n-Nitrosodimethylamine
Concen: 19.492 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.024 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 42 Resp: 83662

Ion	Ratio	Lower	Upper
42	100		
74	119.3	98.6	148.0
44	7.4	5.8	8.8



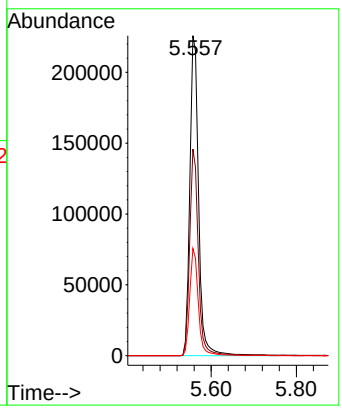


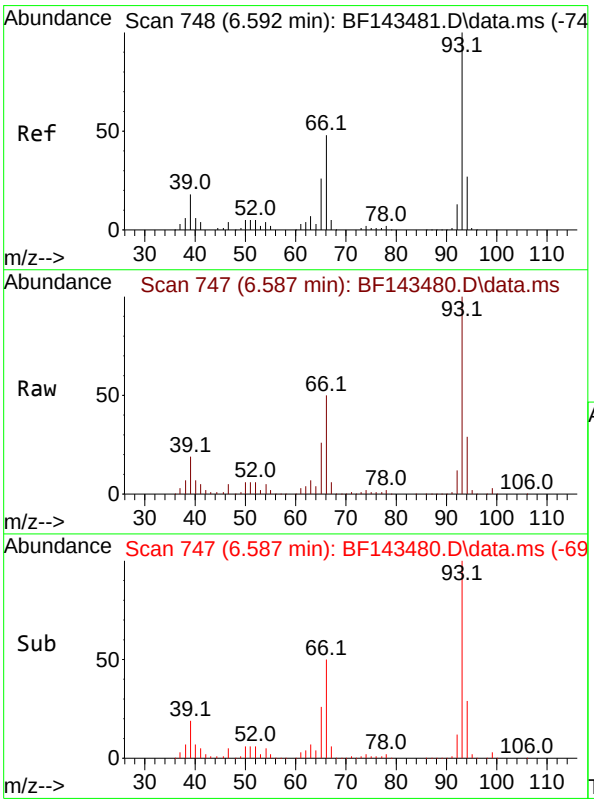
#5
2-Fluorophenol
Concen: 41.682 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 322546

Ion	Ratio	Lower	Upper
112	100		
64	64.5	50.4	75.6
63	33.5	26.4	39.6

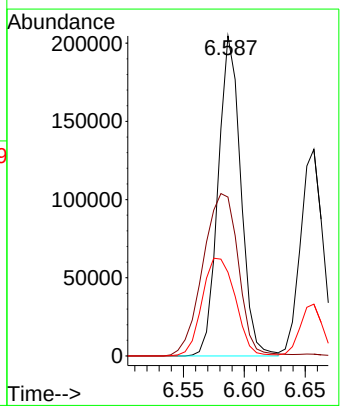


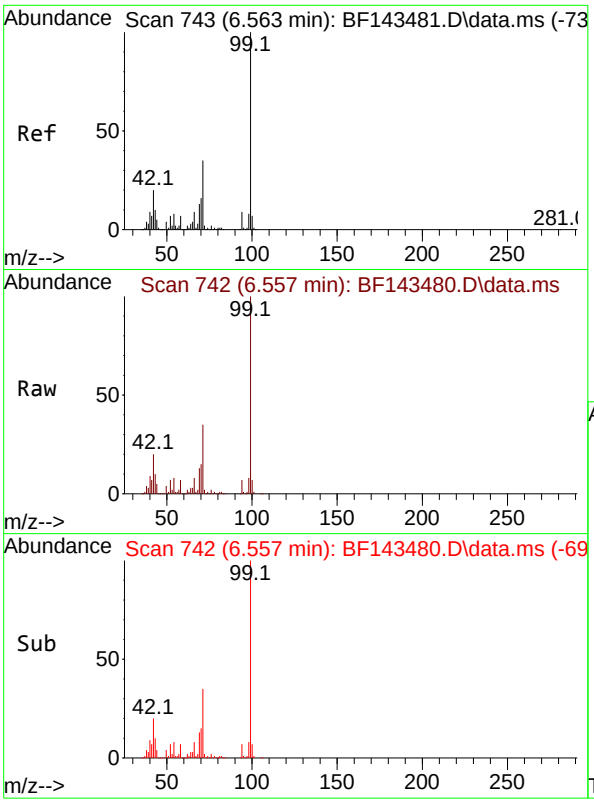


#6
Aniline
Concen: 20.731 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 93 Resp: 264694

Ion	Ratio	Lower	Upper
93	100		
66	49.7	38.9	58.3
65	26.2	20.6	30.8



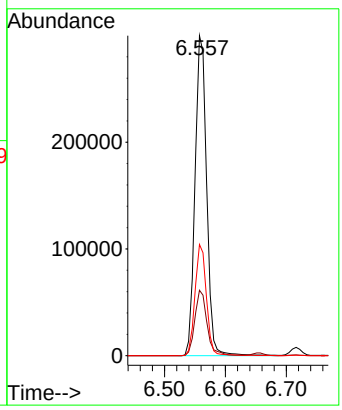


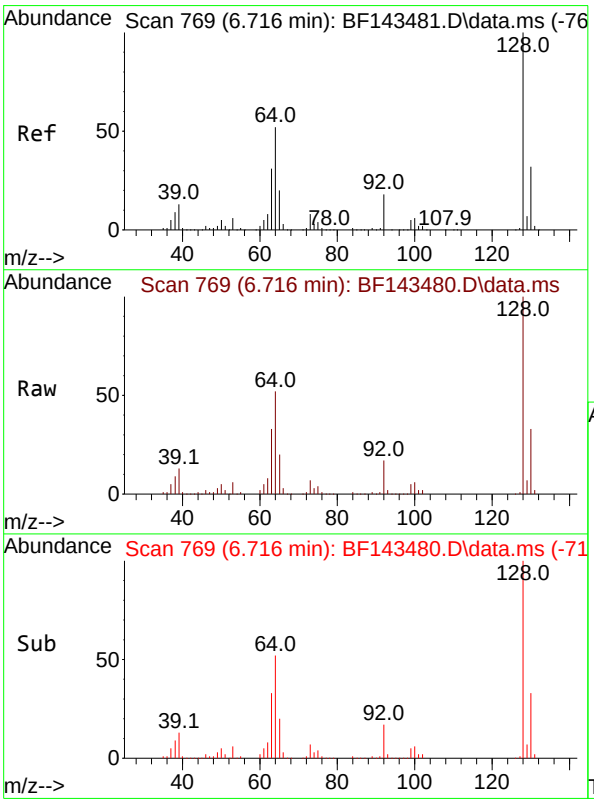
#7
Phenol-d6
Concen: 41.604 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 397415

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.3	24.5
71	34.7	28.2	42.2

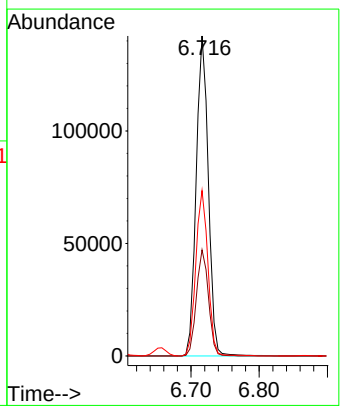


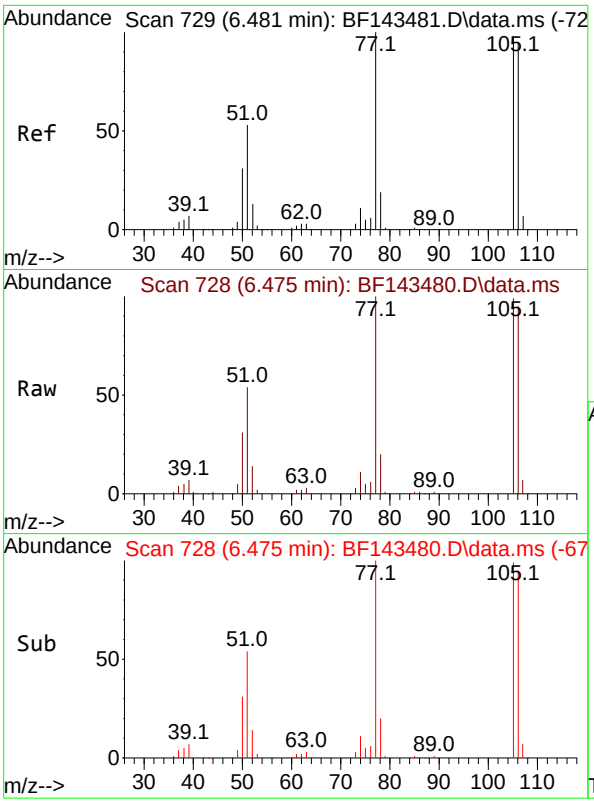


#8
2-Chlorophenol
Concen: 20.579 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:128 Resp: 175887

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.4	52.4
64	51.7	31.6	71.6



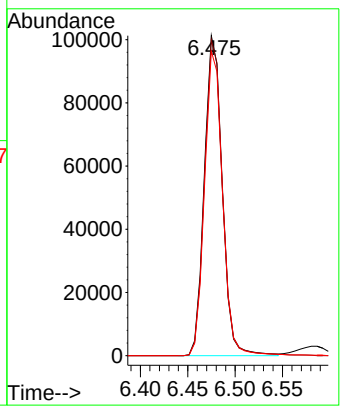


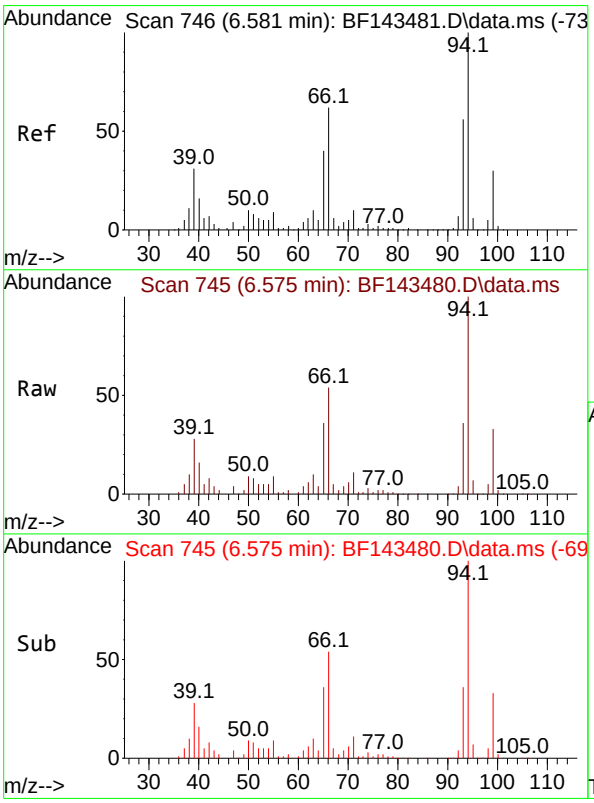
#9
Benzaldehyde
Concen: 17.142 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 132575

Ion	Ratio	Lower	Upper
77	100		
105	98.8	78.1	118.1
106	95.2	74.9	114.9

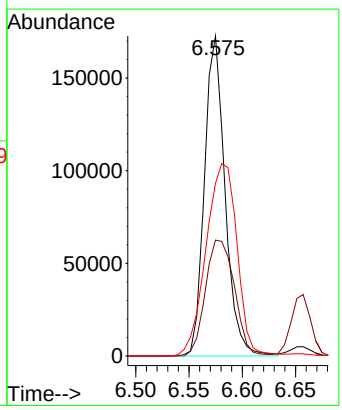


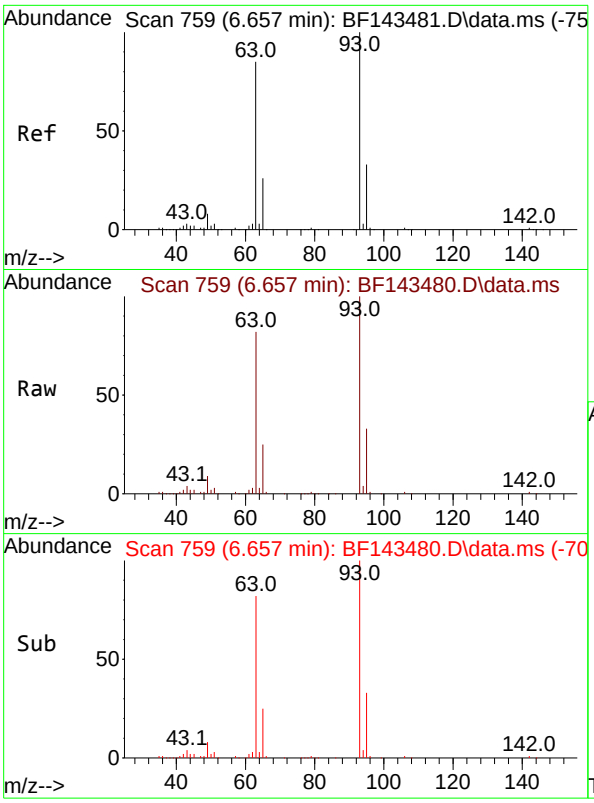


#10
Phenol
Concen: 21.182 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 94 Resp: 233093

Ion	Ratio	Lower	Upper
94	100		
65	36.2	19.5	59.5
66	53.9	42.5	82.5



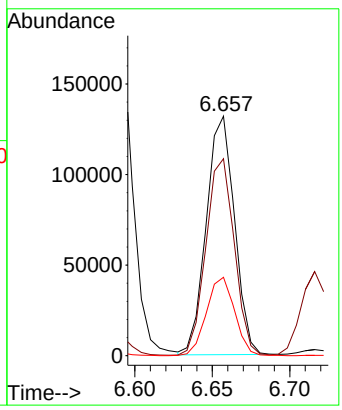


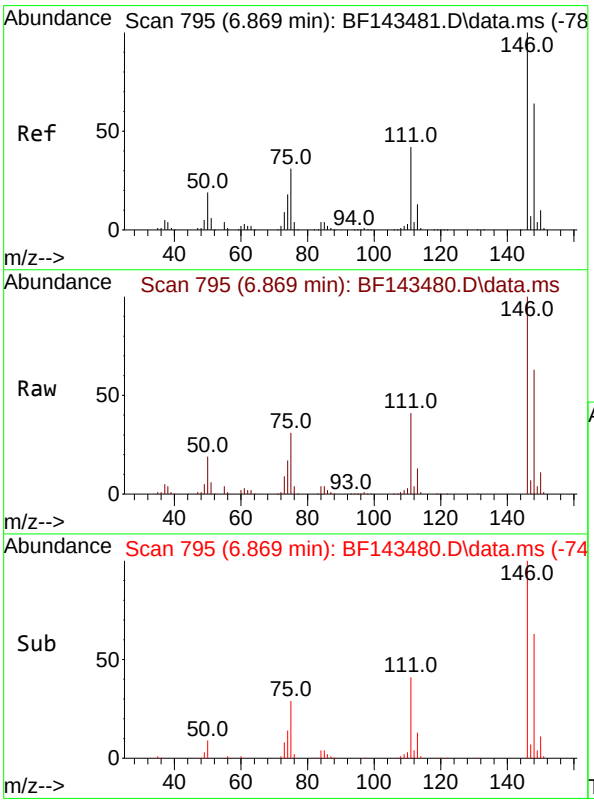
#11
bis(2-Chloroethyl)ether
Concen: 20.296 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 166906

Ion	Ratio	Lower	Upper
93	100		
63	82.3	63.6	103.6
95	32.7	12.8	52.8

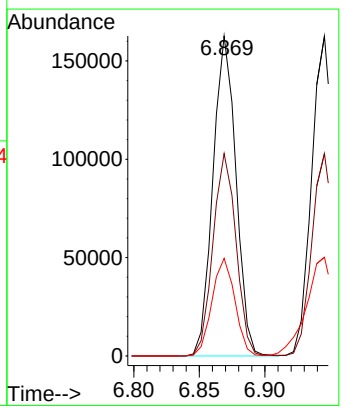


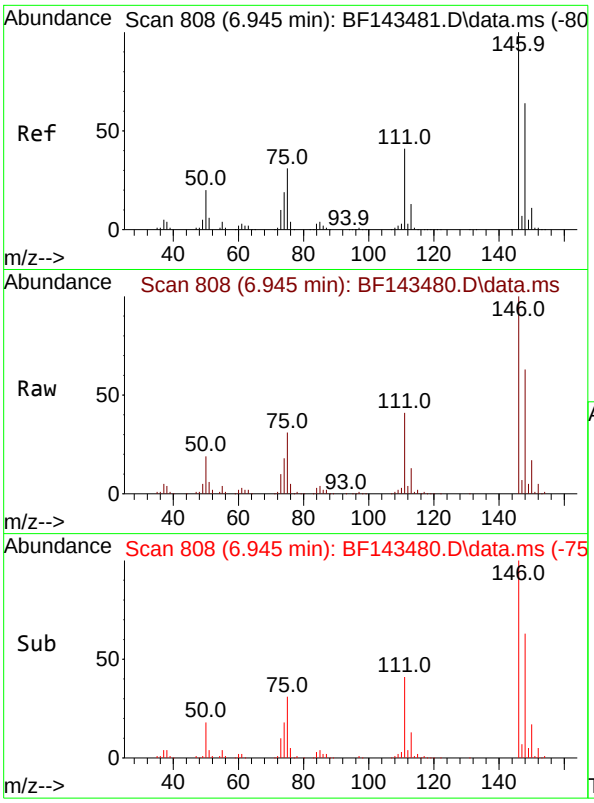


#12
1,3-Dichlorobenzene
Concen: 20.633 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:146 Resp: 198141

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.3	76.9
75	30.5	24.7	37.1



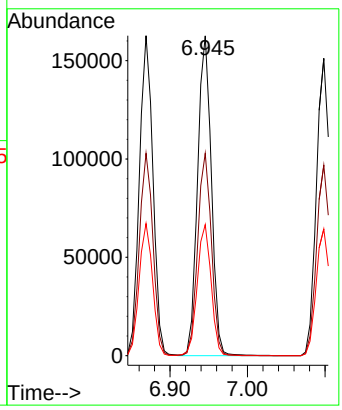


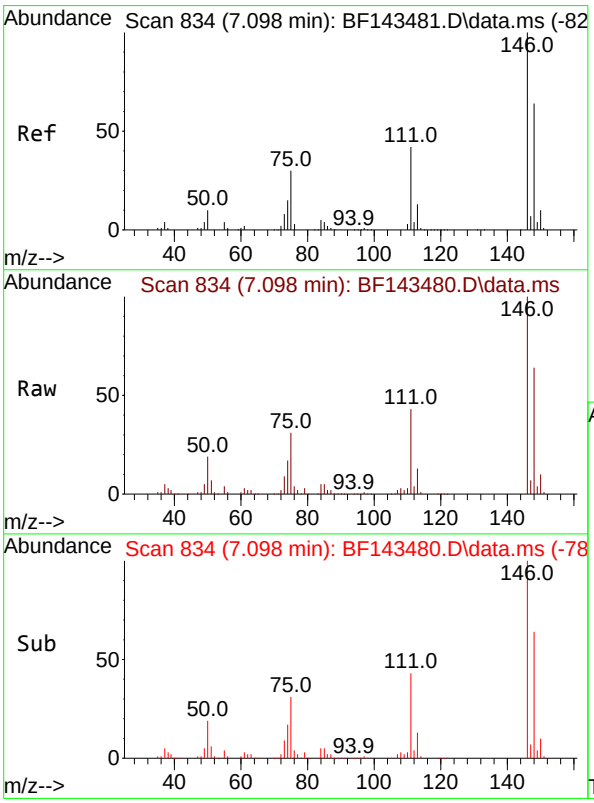
#13
1,4-Dichlorobenzene
Concen: 20.806 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 200428

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.5	77.3
111	40.9	32.6	49.0

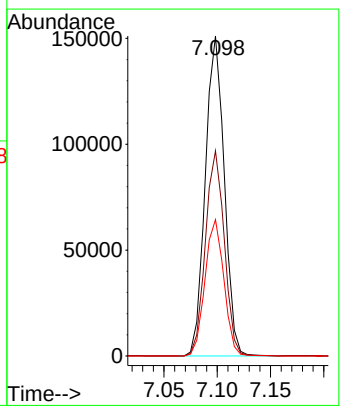


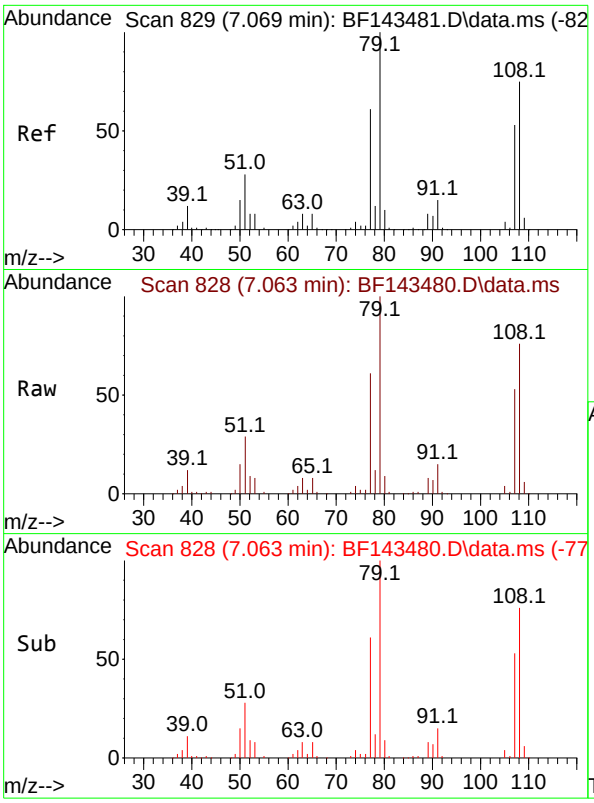


#14
1,2-Dichlorobenzene
Concen: 20.536 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:146 Resp: 187297

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	42.6	34.0	51.0



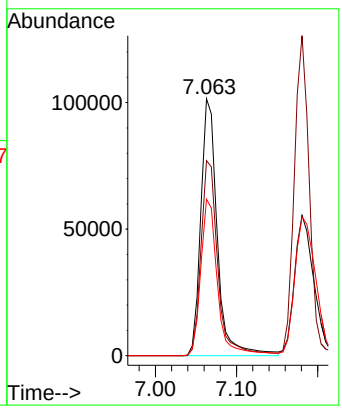


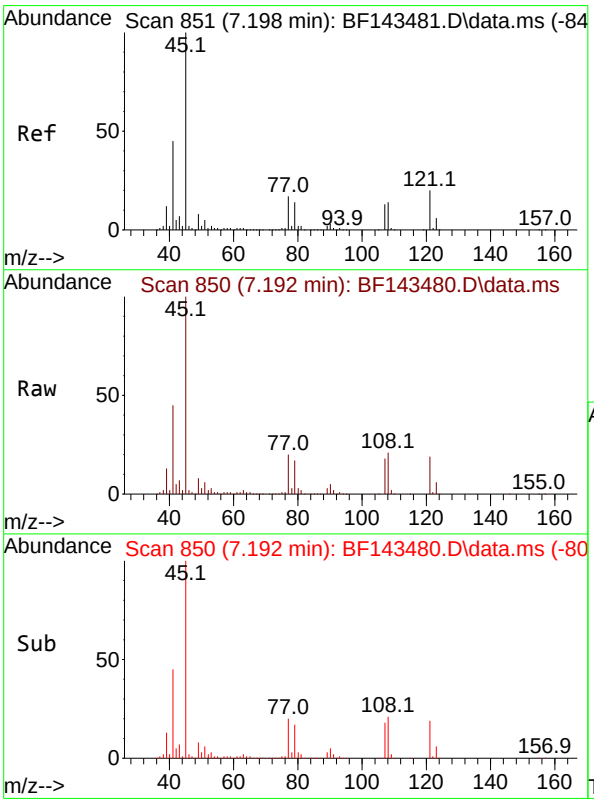
#15
Benzyl Alcohol
Concen: 20.082 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 143623

Ion	Ratio	Lower	Upper
79	100		
108	75.9	59.8	89.6
77	60.9	49.0	73.4

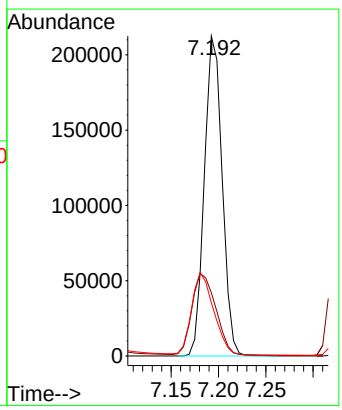


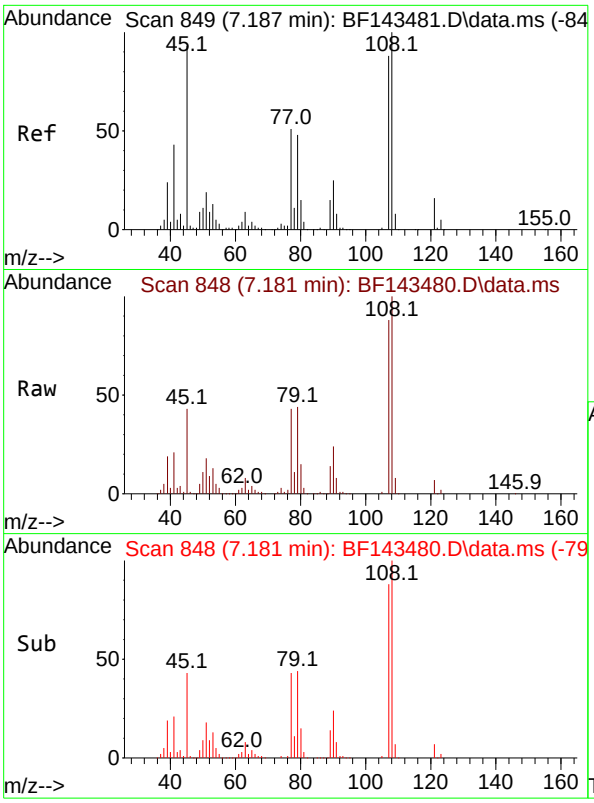


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.087 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 45 Resp: 277424

Ion	Ratio	Lower	Upper
45	100		
77	19.7	0.0	37.9
79	16.7	0.0	34.7



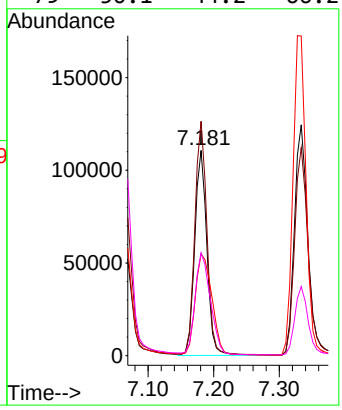


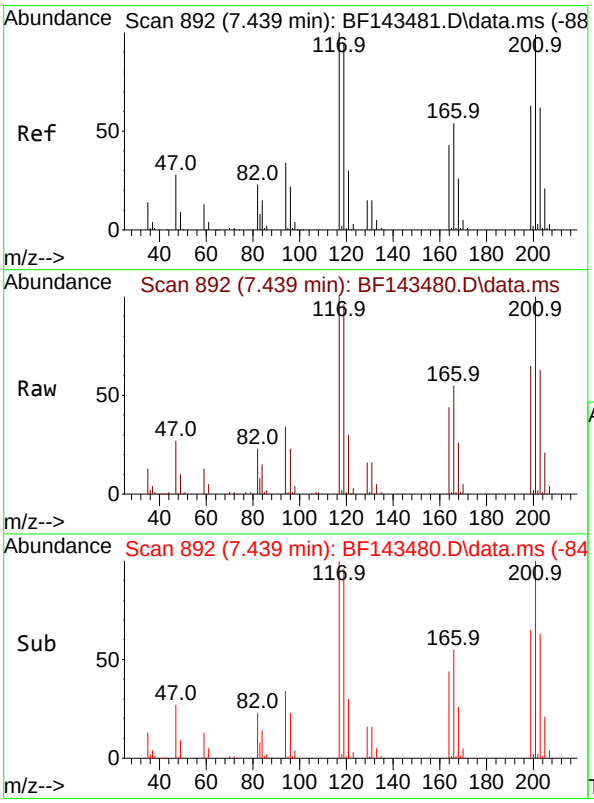
#17
2-Methylphenol
Concen: 20.794 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 142643

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.1	136.7
77	49.5	46.2	69.4
79	50.1	44.2	66.2

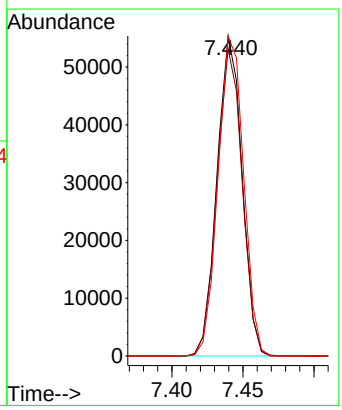


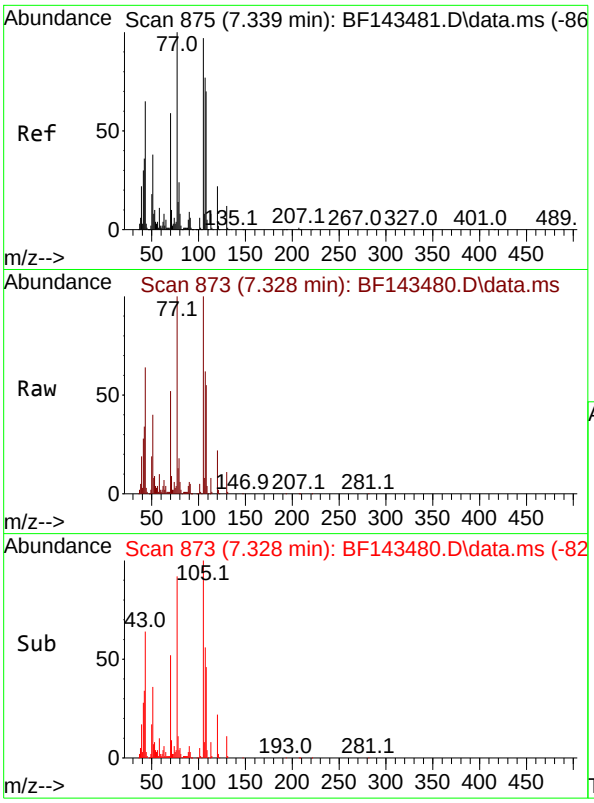


#18
Hexachloroethane
Concen: 20.727 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:117 Resp: 67887

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.4	113.0
201	99.9	79.0	118.4



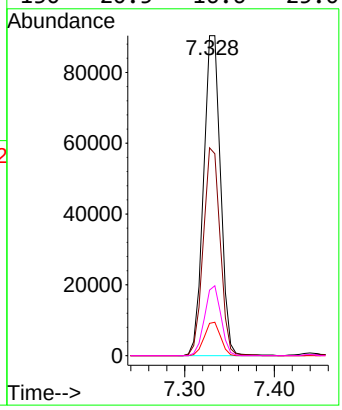


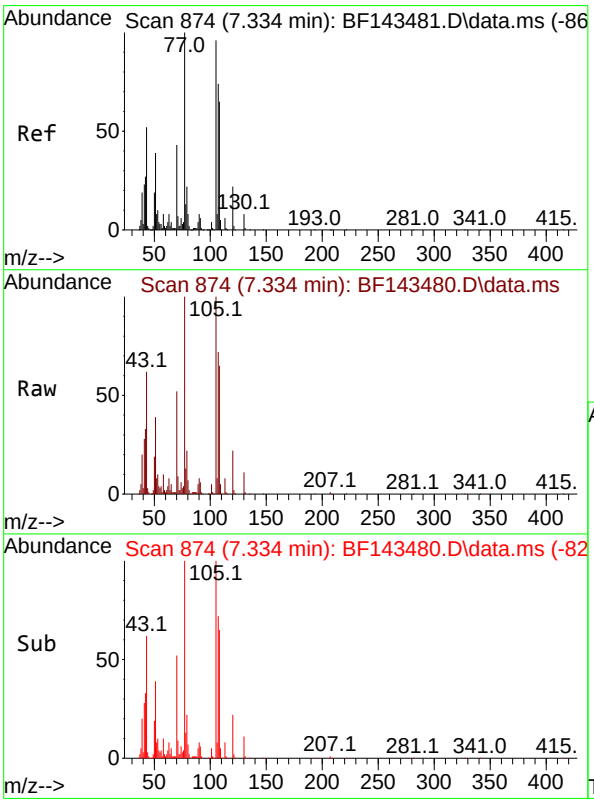
#19
n-Nitroso-di-n-propylamine
Concen: 20.353 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 118831

Ion	Ratio	Lower	Upper
70	100		
42	65.0	49.3	73.9
101	10.1	7.8	11.8
130	20.5	16.6	25.0

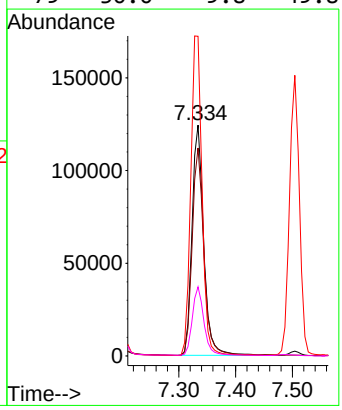


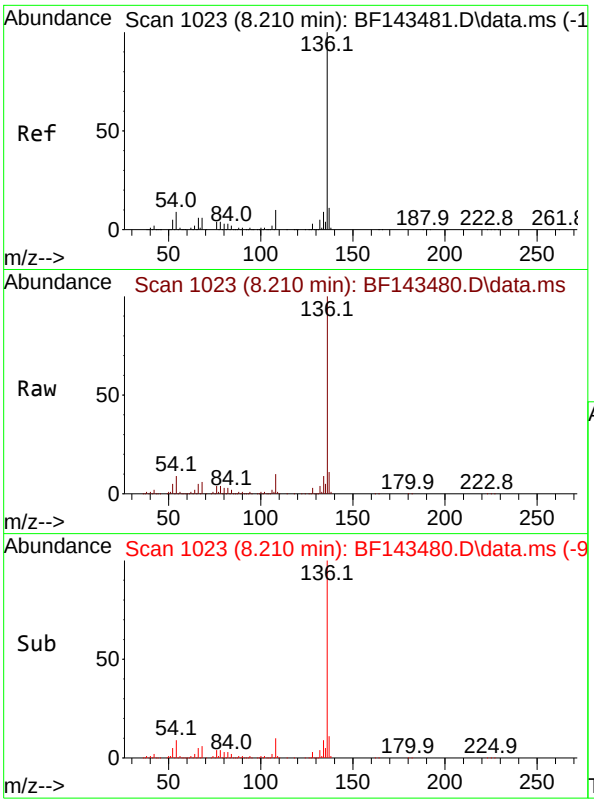


#20
3+4-Methylphenols
Concen: 21.785 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:107 Resp: 178398

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	138.5	116.1	156.1
79	30.0	9.8	49.8



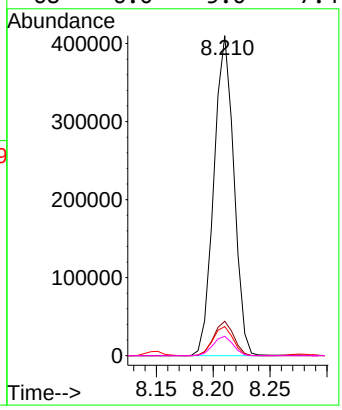


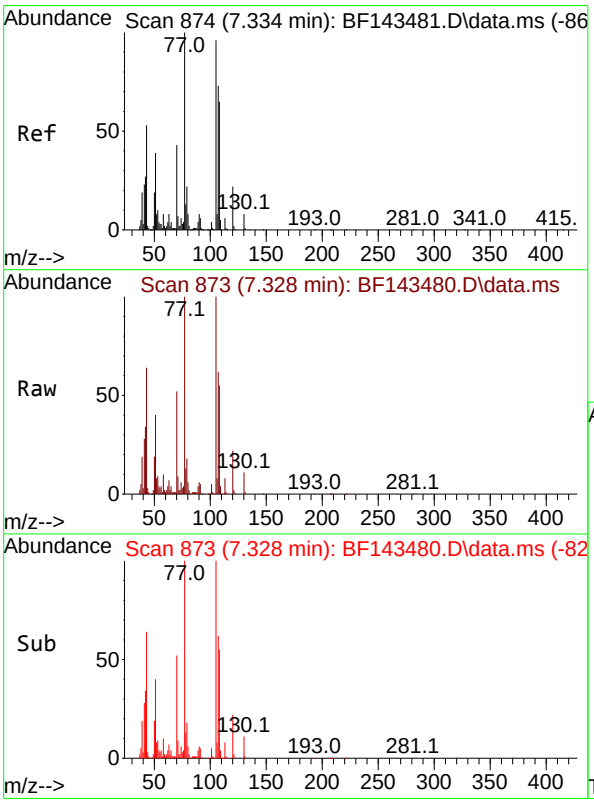
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 502602

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	9.1	7.4	11.2
68	6.0	5.0	7.4

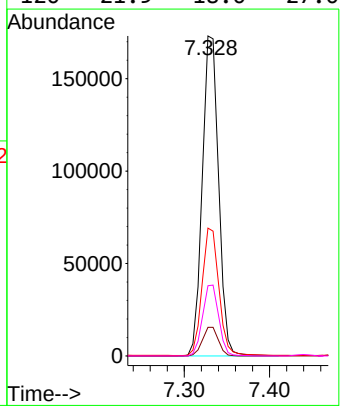


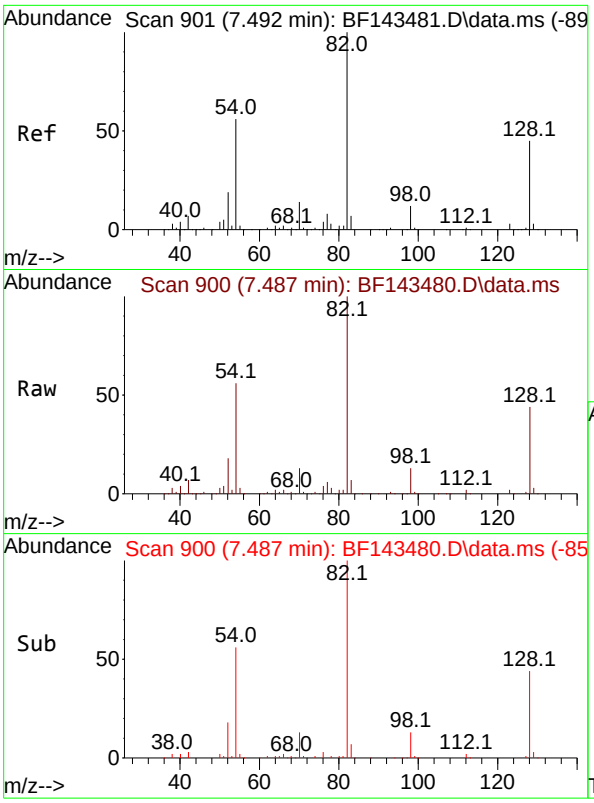


#22
Acetophenone
Concen: 21.238 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:105 Resp: 230609

Ion	Ratio	Lower	Upper
105	100		
71	9.0	5.9	8.9#
51	39.9	32.5	48.7
120	21.9	18.0	27.0



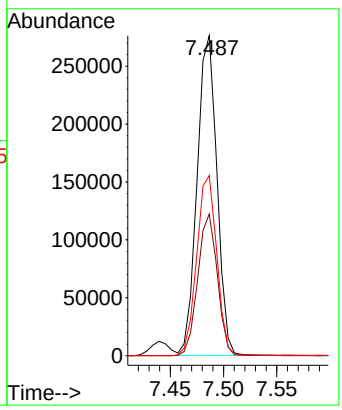


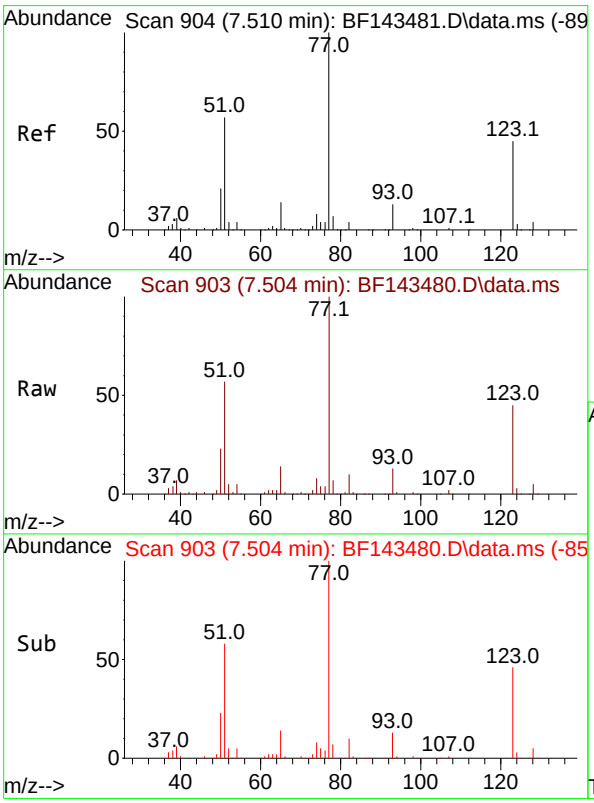
#23
Nitrobenzene-d5
Concen: 41.608 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 358365

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.5	53.3
54	56.3	44.3	66.5

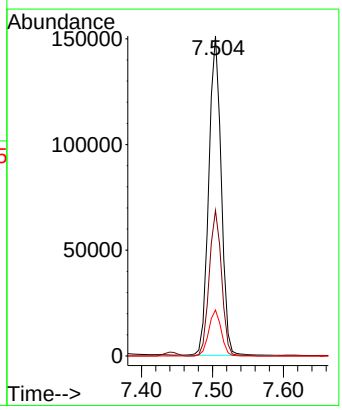


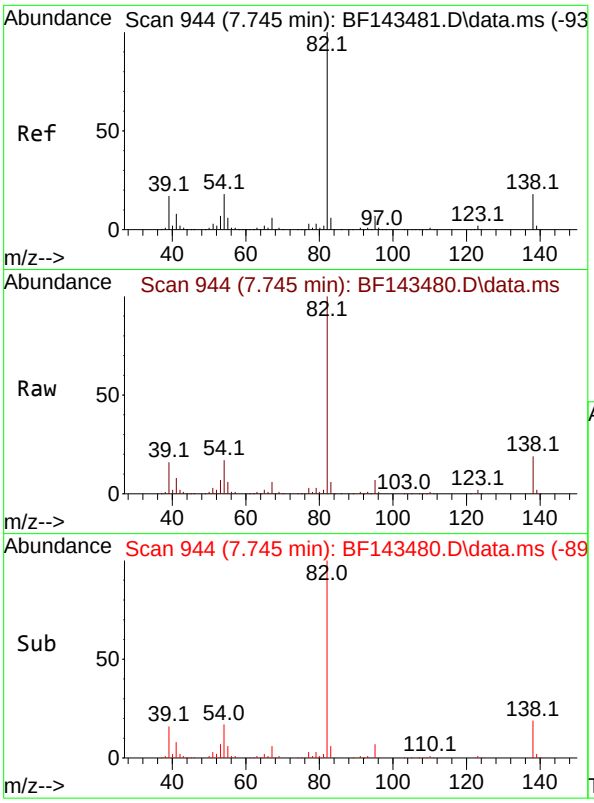


#24
Nitrobenzene
Concen: 20.736 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 77 Resp: 183817

Ion	Ratio	Lower	Upper
77	100		
123	45.5	36.1	54.1
65	14.3	11.0	16.6



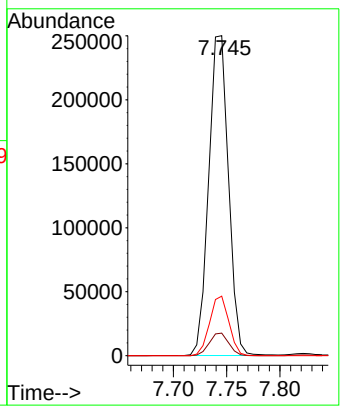


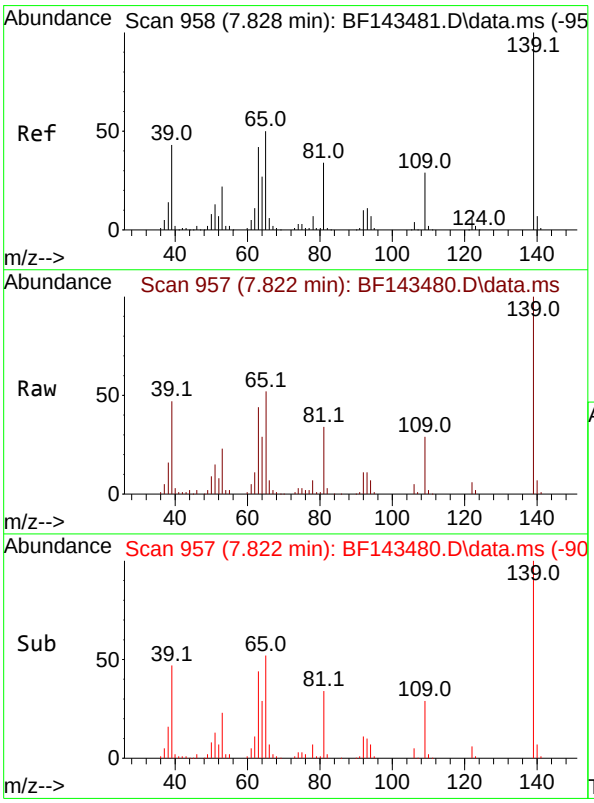
#25
Isophorone
Concen: 20.513 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 323869

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	18.6	14.2	21.4

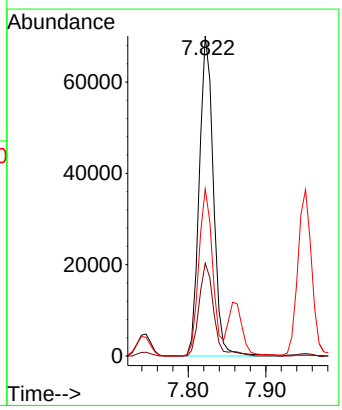


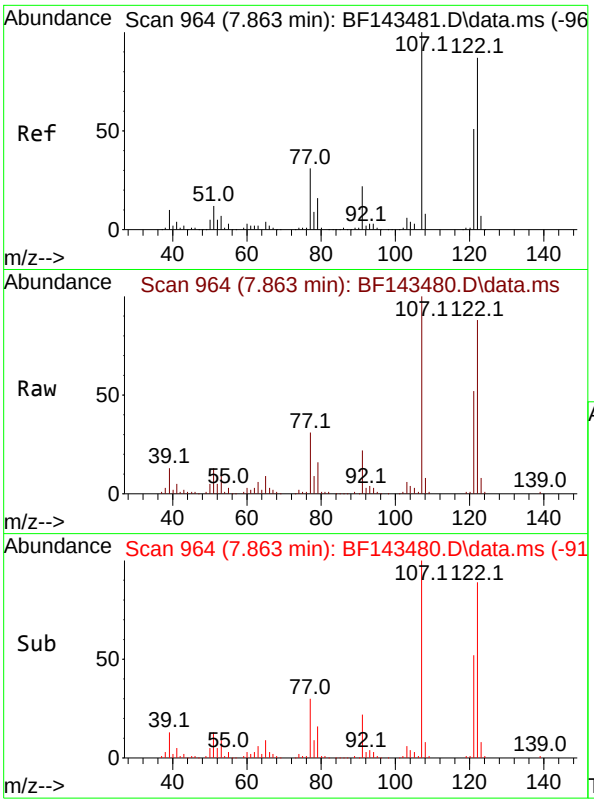


#26
2-Nitrophenol
Concen: 20.444 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:139 Resp: 88771

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.0	34.6
65	52.2	40.3	60.5



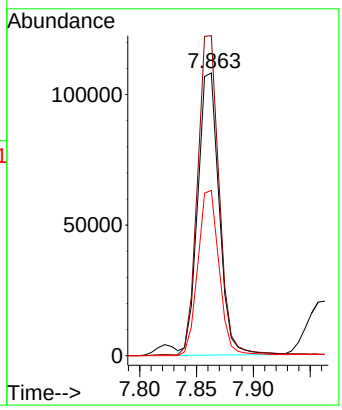


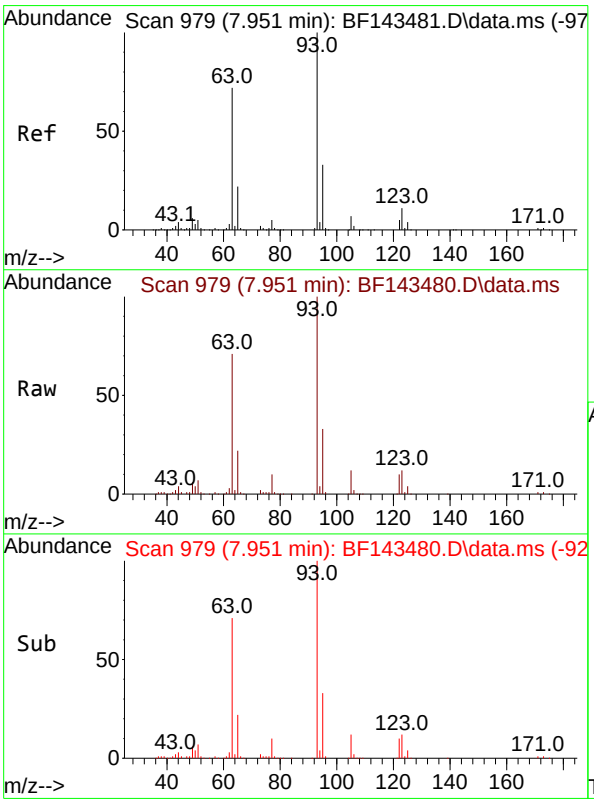
#27
2,4-Dimethylphenol
Concen: 20.897 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 141452

Ion	Ratio	Lower	Upper
122	100		
107	113.2	91.5	137.3
121	58.5	47.0	70.4

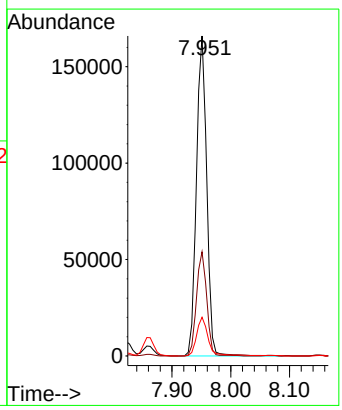


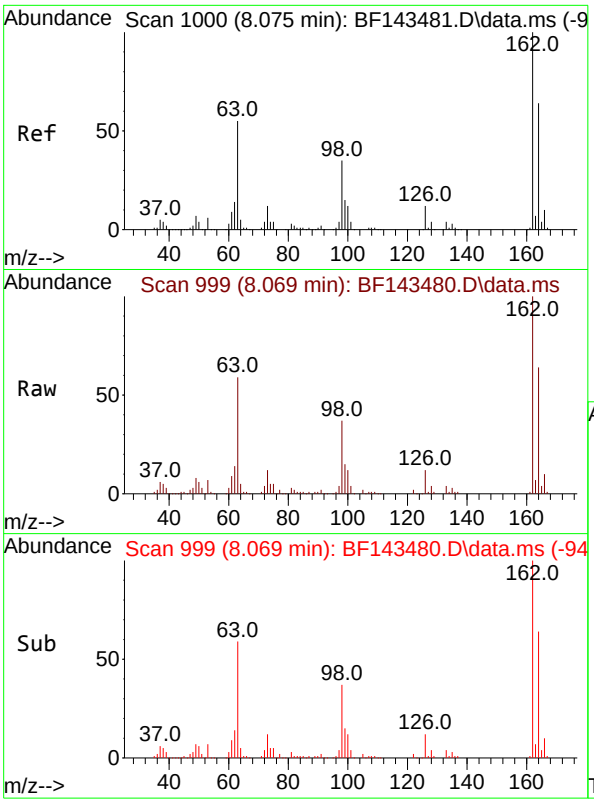


#28
bis(2-Chloroethoxy)methane
Concen: 20.776 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 93 Resp: 201584

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	12.1	9.1	13.7



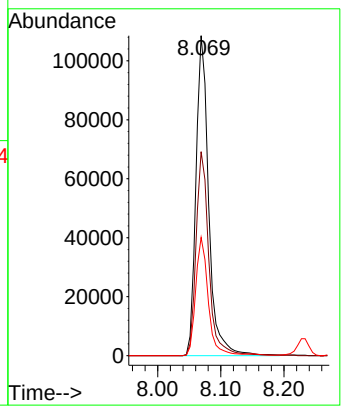


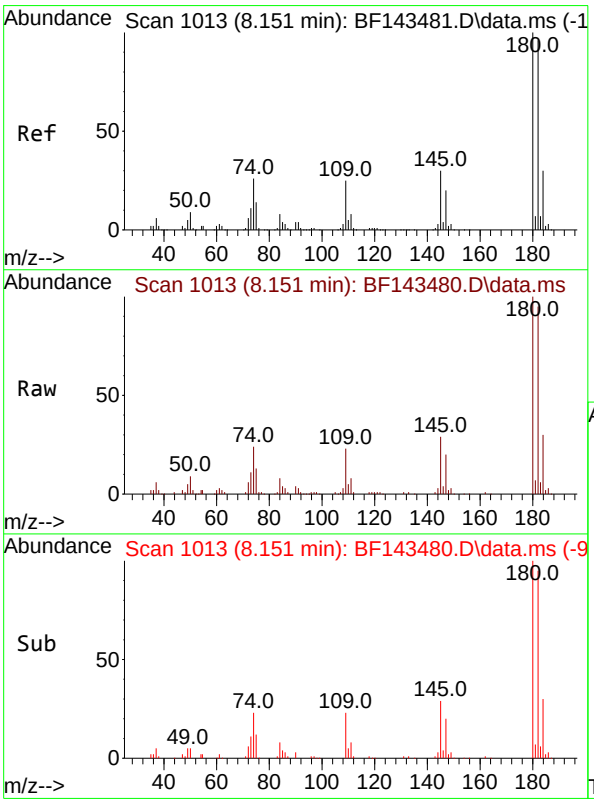
#29
2,4-Dichlorophenol
Concen: 21.055 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 152215

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.5	83.5
98	37.0	15.1	55.1

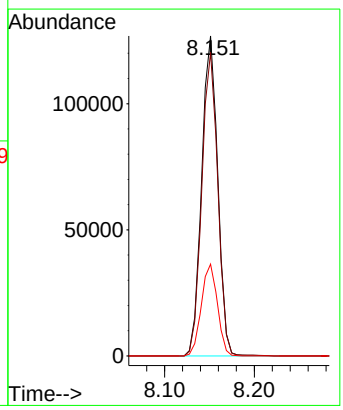


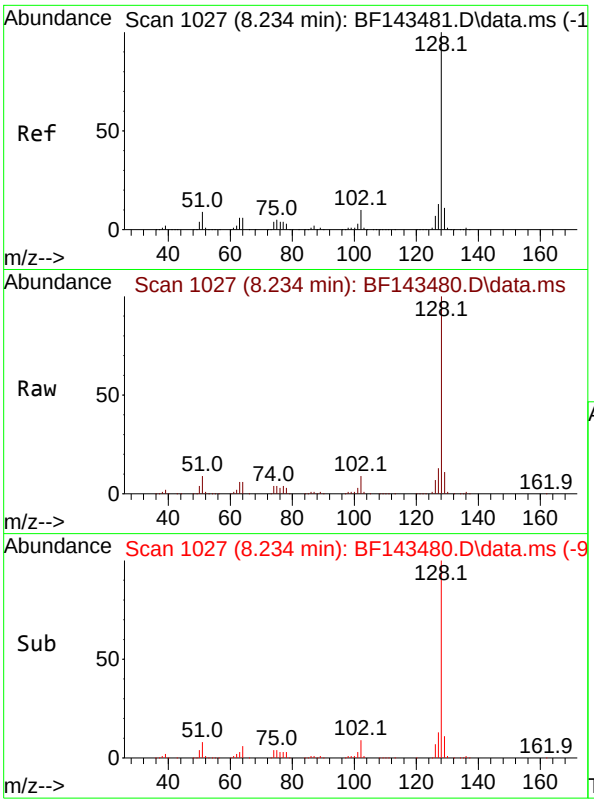


#30
1,2,4-Trichlorobenzene
Concen: 21.200 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:180 Resp: 157575

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	114.8
145	28.7	24.3	36.5



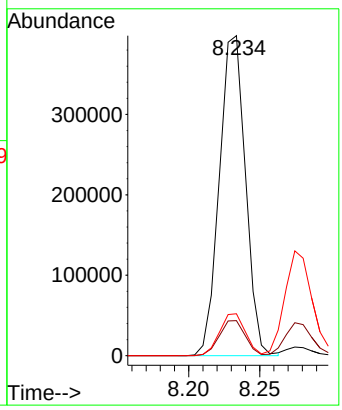


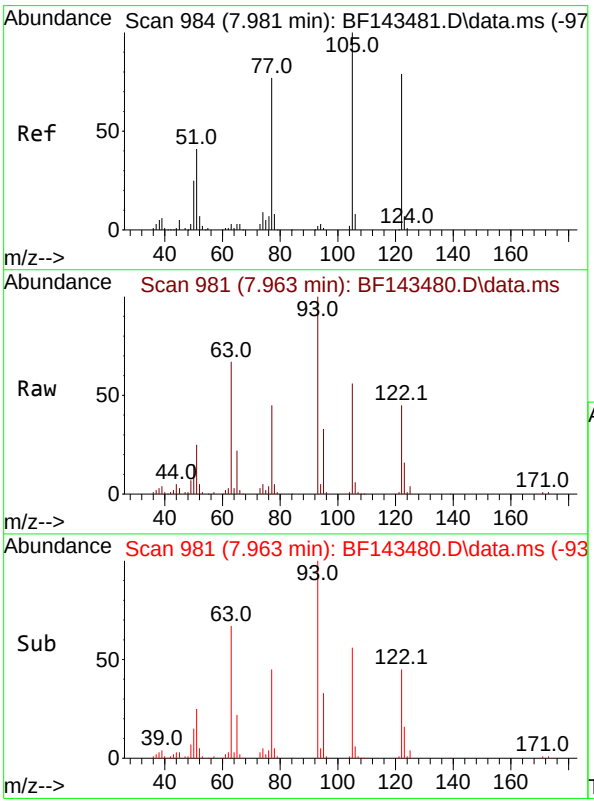
#31
Naphthalene
Concen: 21.111 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 509408

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.6	16.0

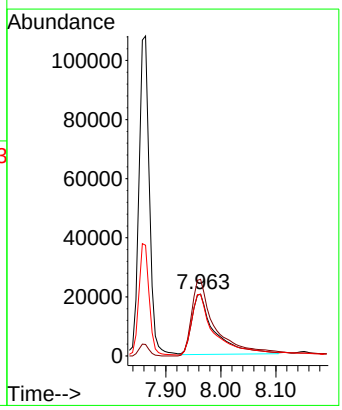


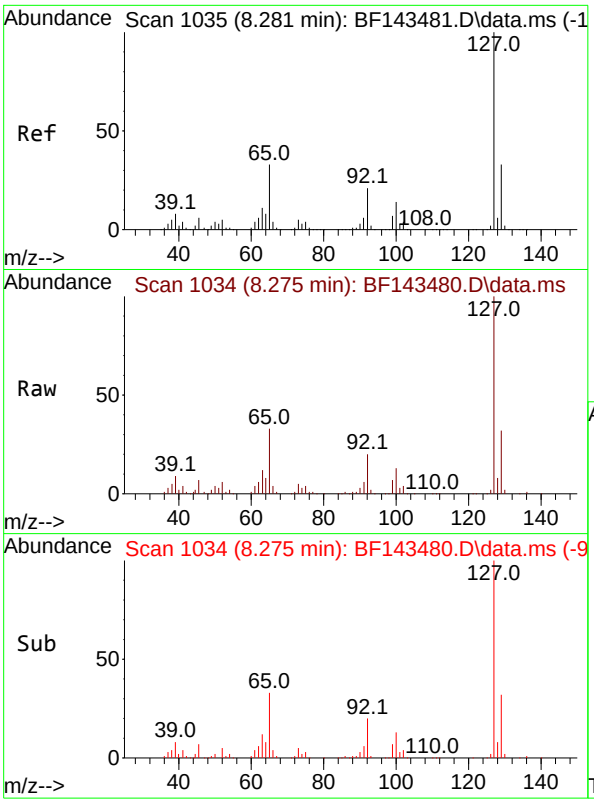


#32
Benzoic acid
Concen: 19.199 ng
RT: 7.963 min Scan# 981
Delta R.T. -0.047 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:122 Resp: 58396

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.7	144.7
77	100.1	77.3	117.3



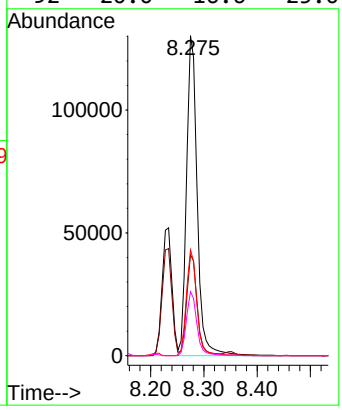


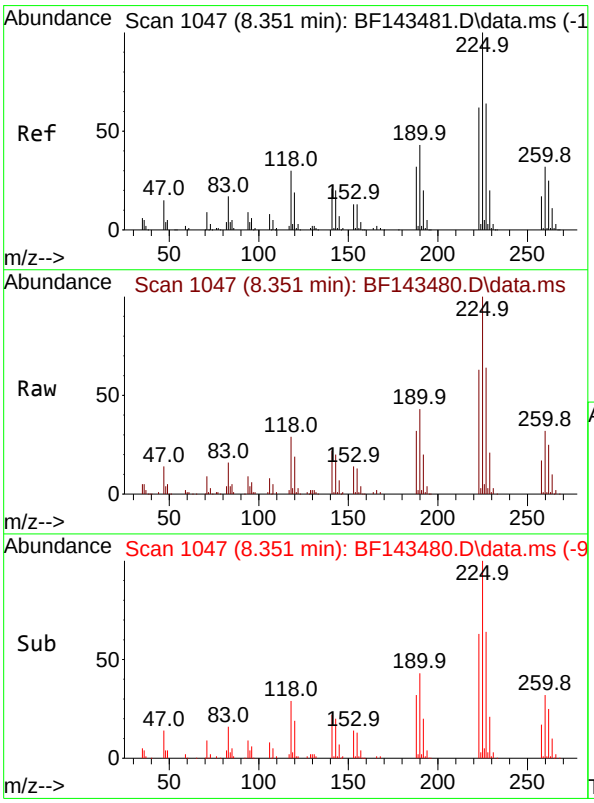
#33
4-Chloroaniline
Concen: 21.243 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 181928

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.1	39.1
65	33.1	26.2	39.2
92	20.0	16.6	25.0

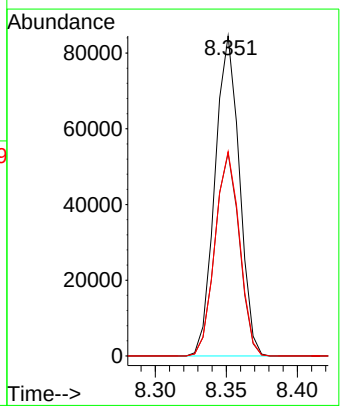


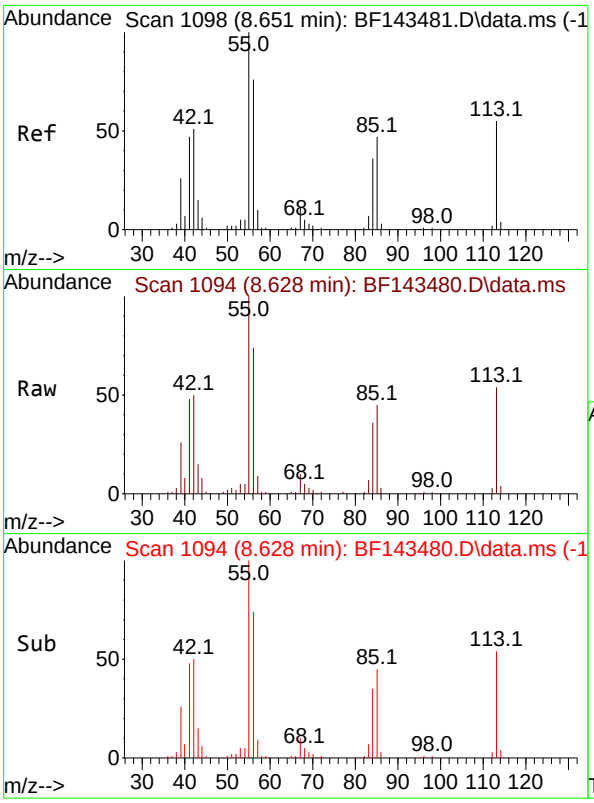


#34
Hexachlorobutadiene
Concen: 20.802 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:225 Resp: 100875

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	63.9	50.9	76.3



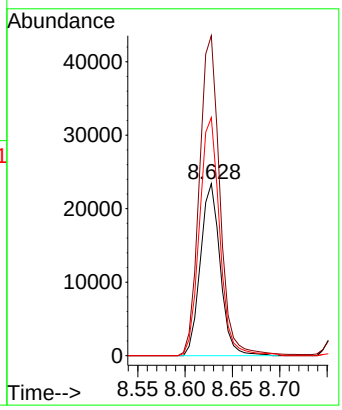


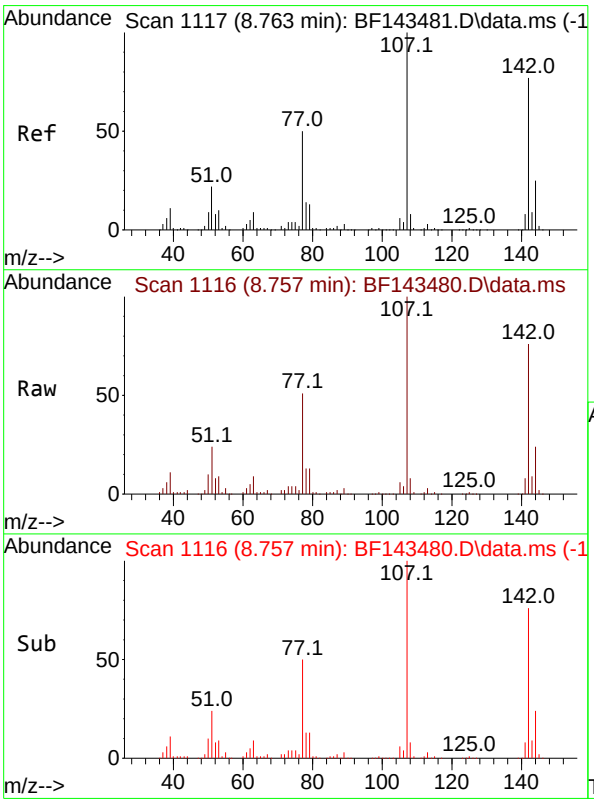
#35
Caprolactam
Concen: 19.594 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 33991

Ion	Ratio	Lower	Upper
113	100		
55	186.1	162.8	202.8
56	138.4	118.1	158.1

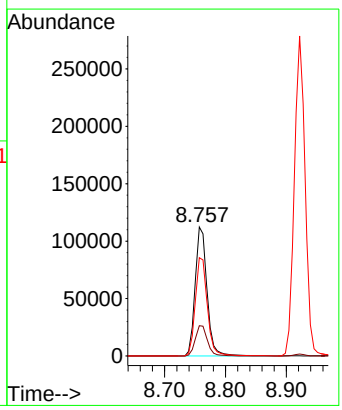


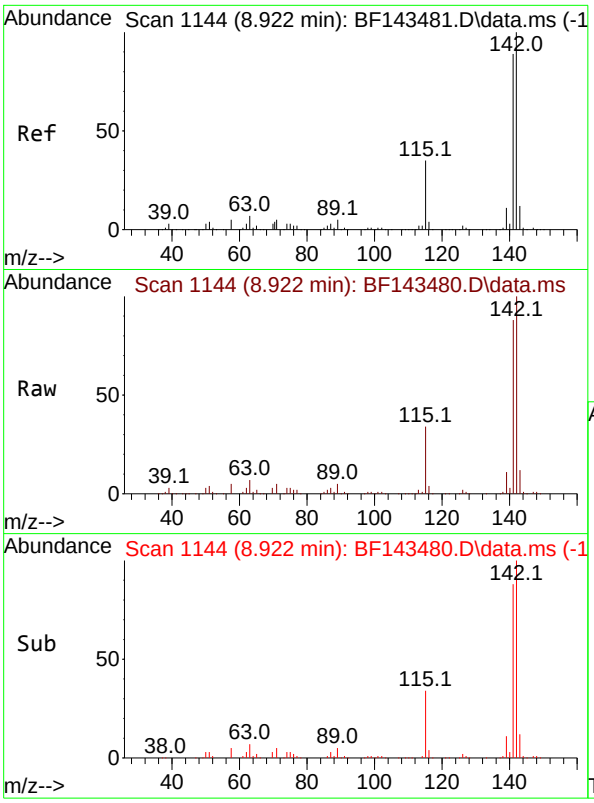


#36
4-Chloro-3-methylphenol
Concen: 21.008 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:107 Resp: 152197

Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.9	29.9
142	76.2	61.8	92.8



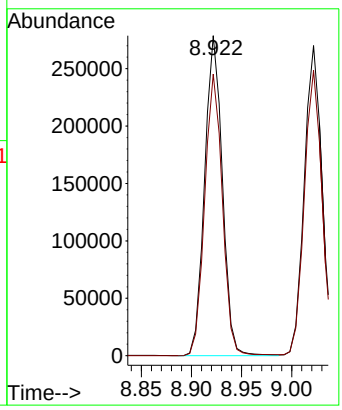


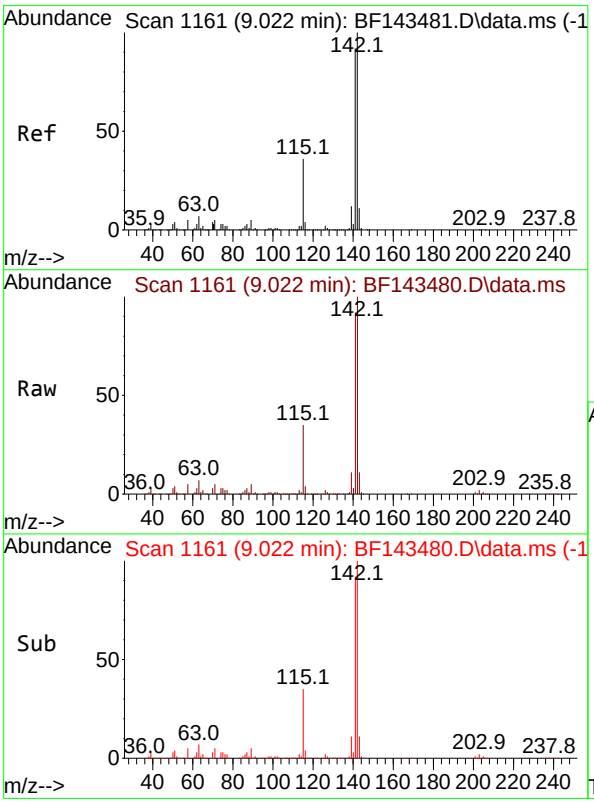
#37
2-Methylnaphthalene
Concen: 21.339 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 343900

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.0	106.4

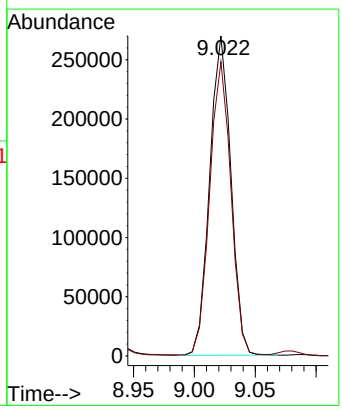


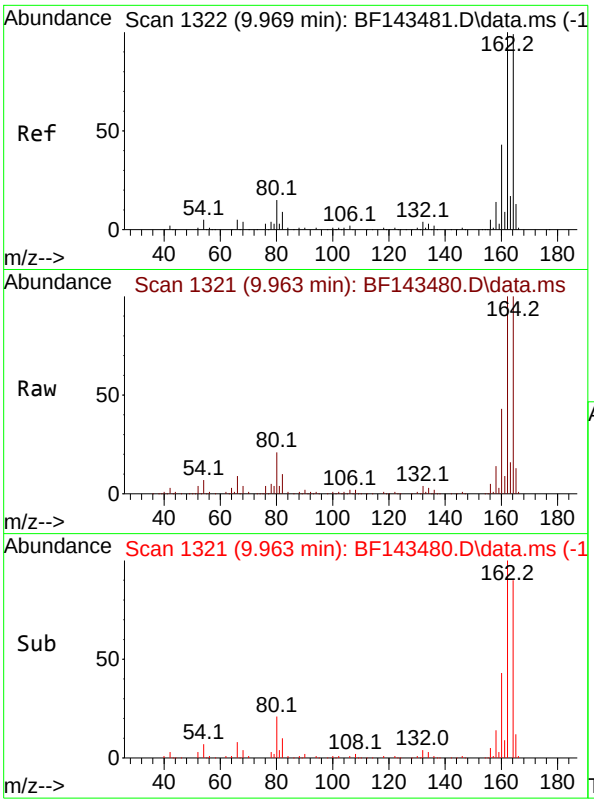


#38
1-Methylnaphthalene
Concen: 21.191 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:142 Resp: 326683

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.3	109.9



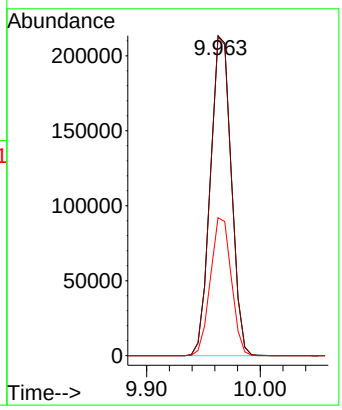


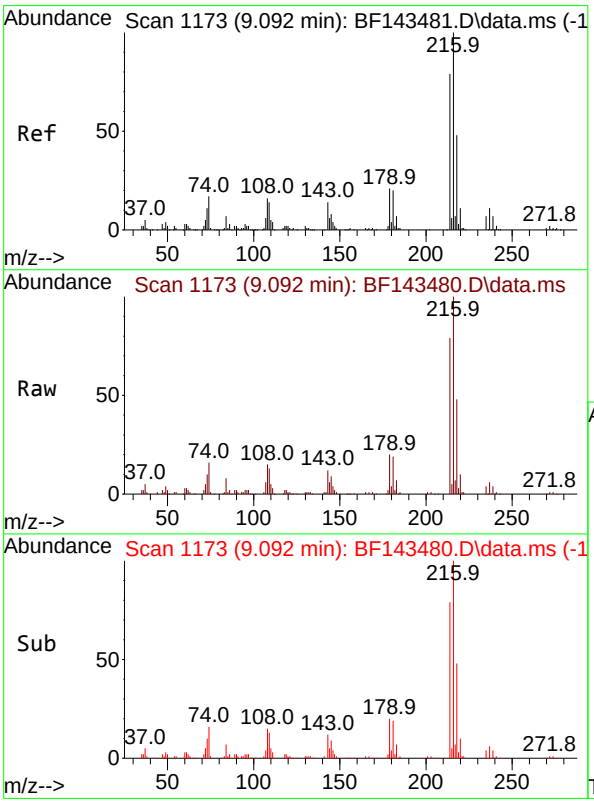
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 273375

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.5	120.7
160	43.1	34.3	51.5

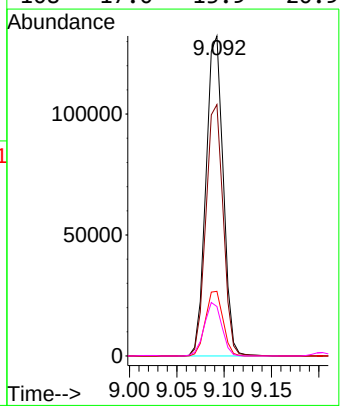


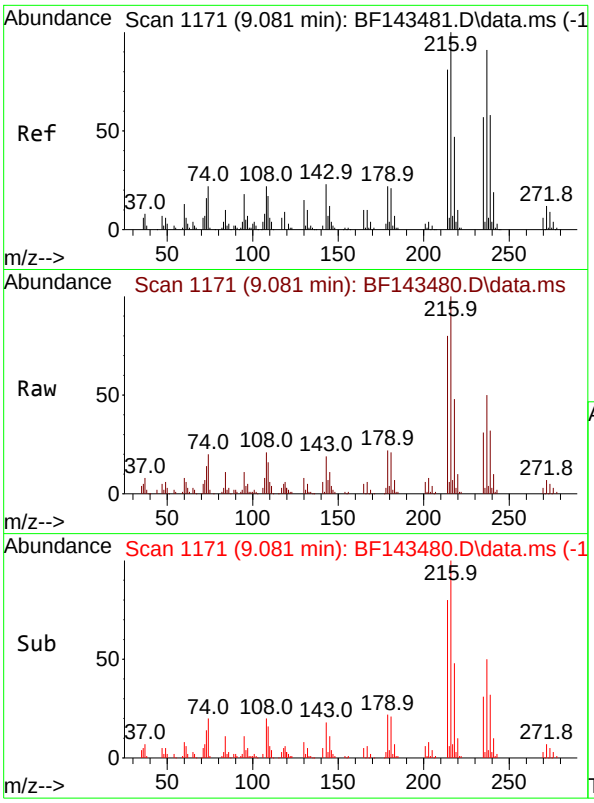


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.445 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:216 Resp: 167691

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.0
179	20.5	16.5	24.7
108	17.0	13.9	20.9



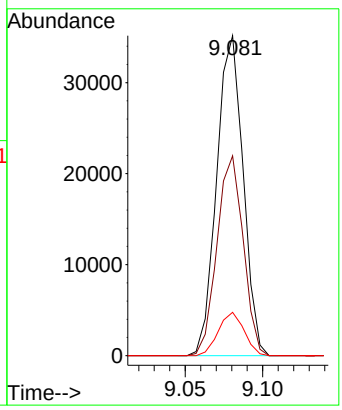


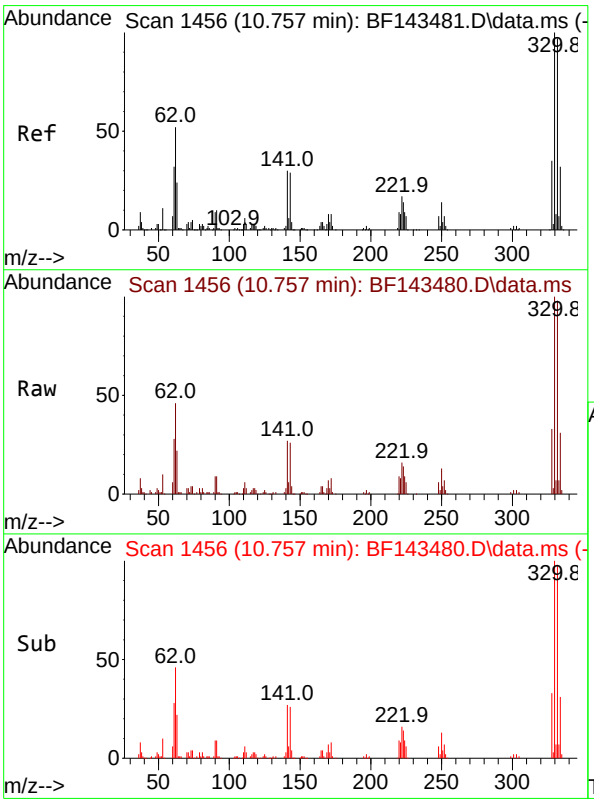
#41
Hexachlorocyclopentadiene
Concen: 19.072 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 41723

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.6	82.6
272	13.5	0.0	33.4

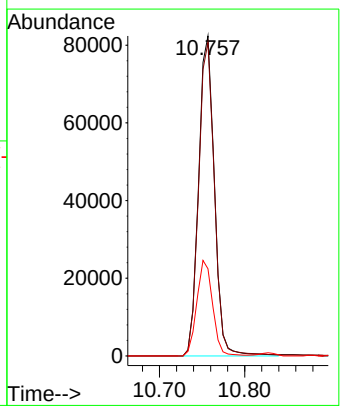


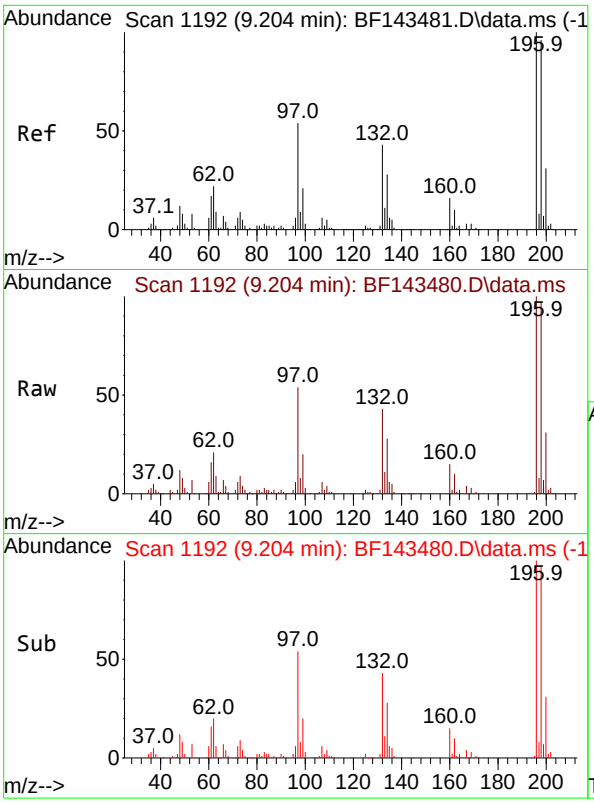


#42
2,4,6-Tribromophenol
Concen: 41.663 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:330 Resp: 106021

Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.0	117.0
141	29.9	23.7	35.5



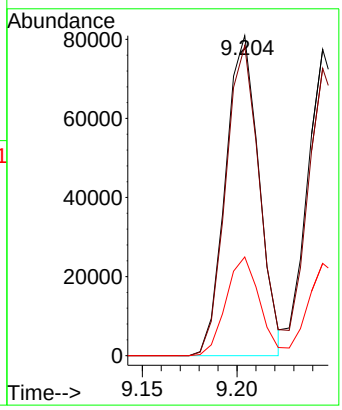


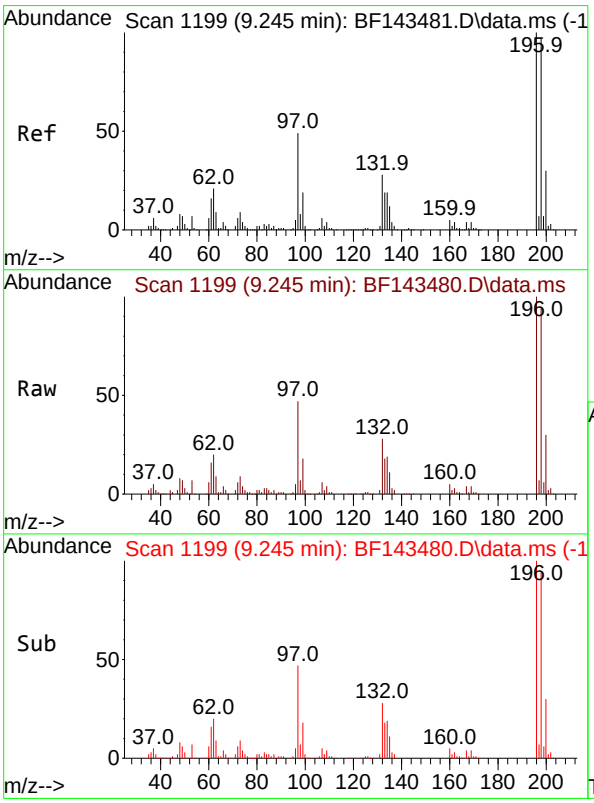
#43
2,4,6-Trichlorophenol
Concen: 20.683 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 99517

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.0	115.4
200	30.9	24.6	37.0

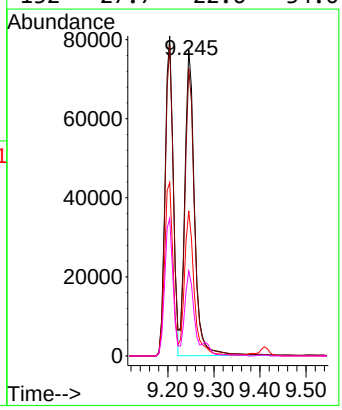


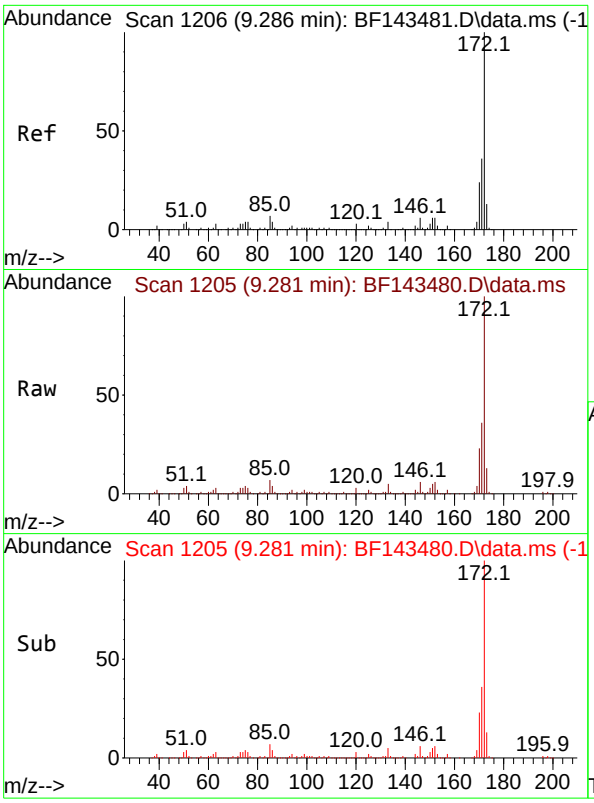


#44
2,4,5-Trichlorophenol
Concen: 21.488 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:196 Resp: 112939

Ion	Ratio	Lower	Upper
196	100		
198	93.8	77.3	115.9
97	47.4	40.0	60.0
132	27.7	22.6	34.0



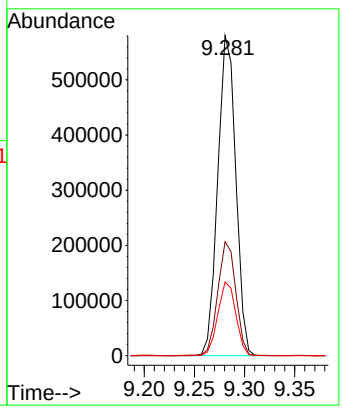


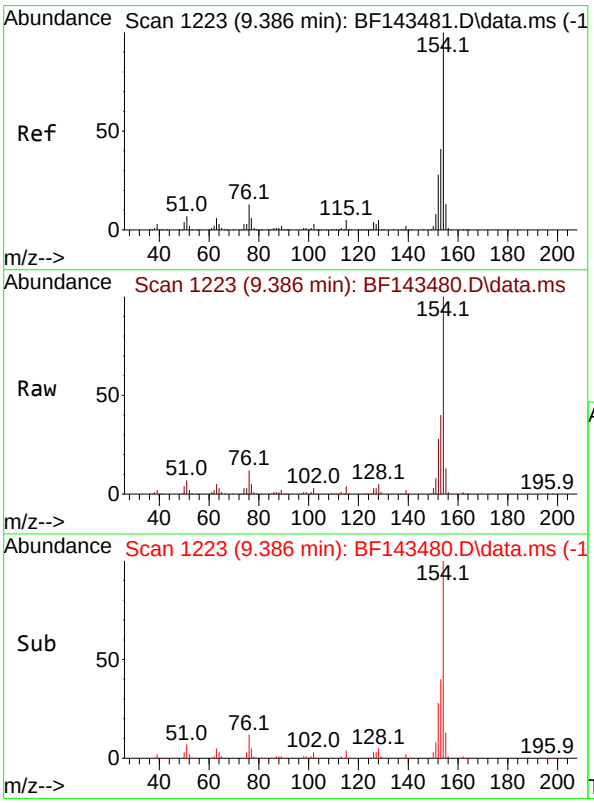
#45
2-Fluorobiphenyl
Concen: 43.723 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 723237

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.0	18.8	28.2

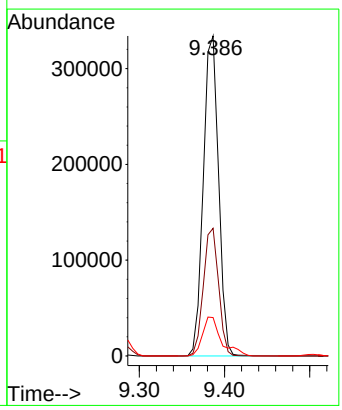


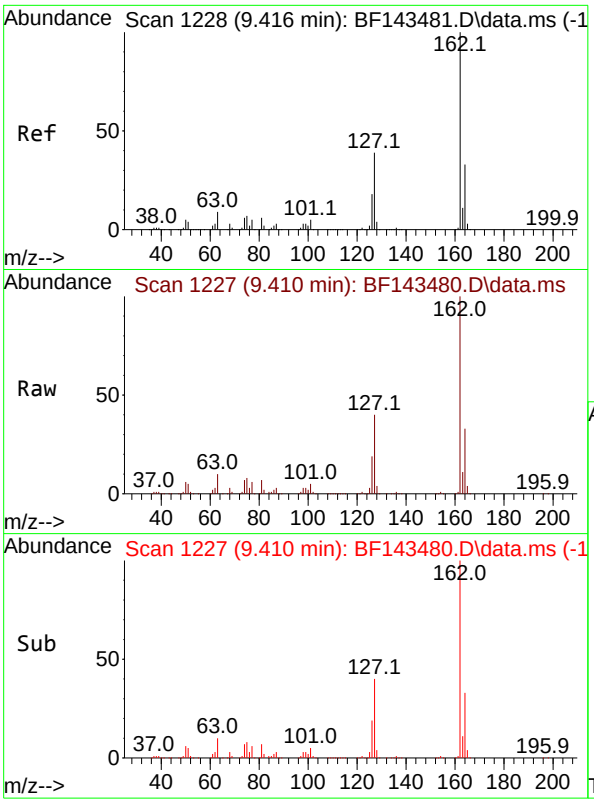


#46
1,1'-Biphenyl
Concen: 21.403 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:154 Resp: 415294

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.6	60.6
76	12.0	0.0	33.0



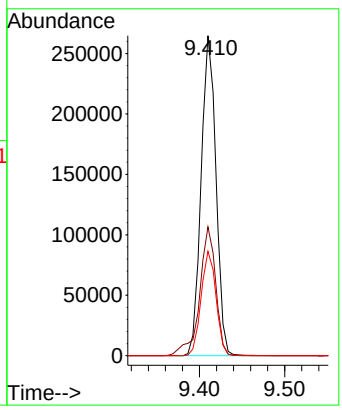


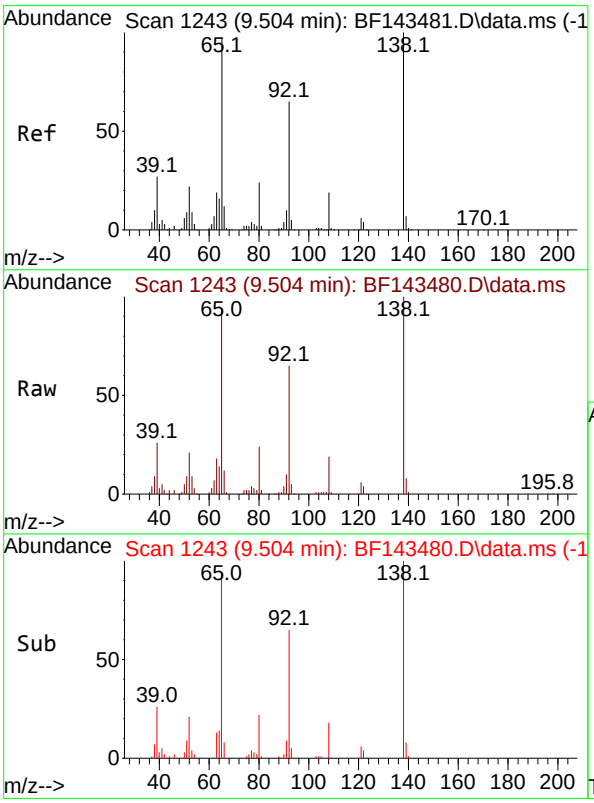
#47
2-Chloronaphthalene
Concen: 21.037 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320277

Ion	Ratio	Lower	Upper
162	100		
127	40.3	31.8	47.6
164	32.6	26.4	39.6

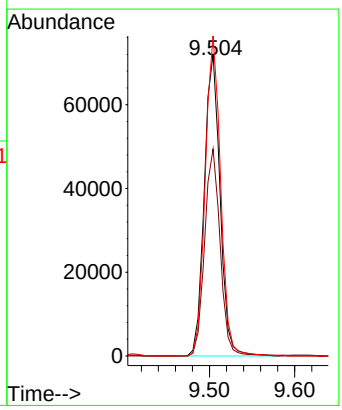


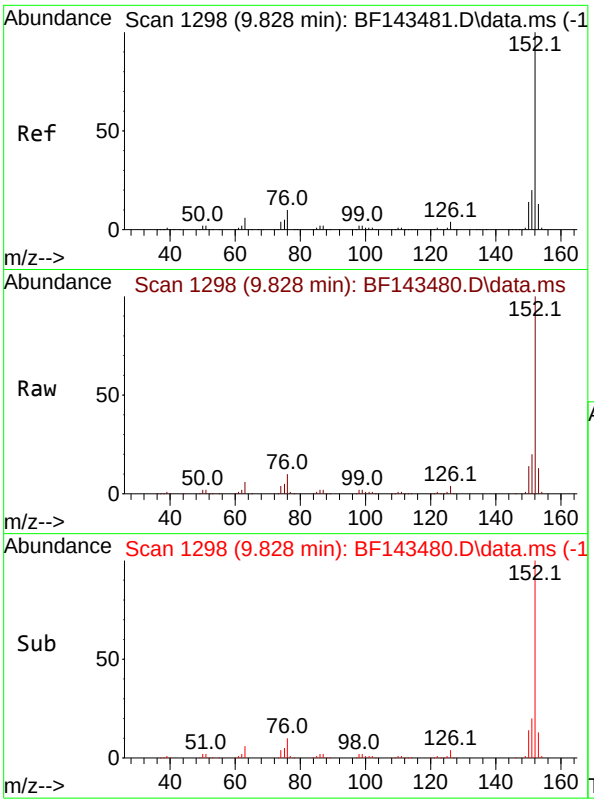


#48
2-Nitroaniline
Concen: 20.753 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion: 65 Resp: 92468

Ion	Ratio	Lower	Upper
65	100		
92	68.6	53.8	80.6
138	106.0	82.4	123.6



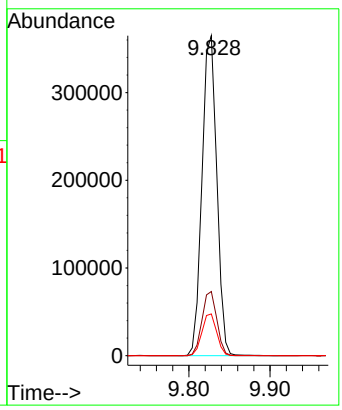


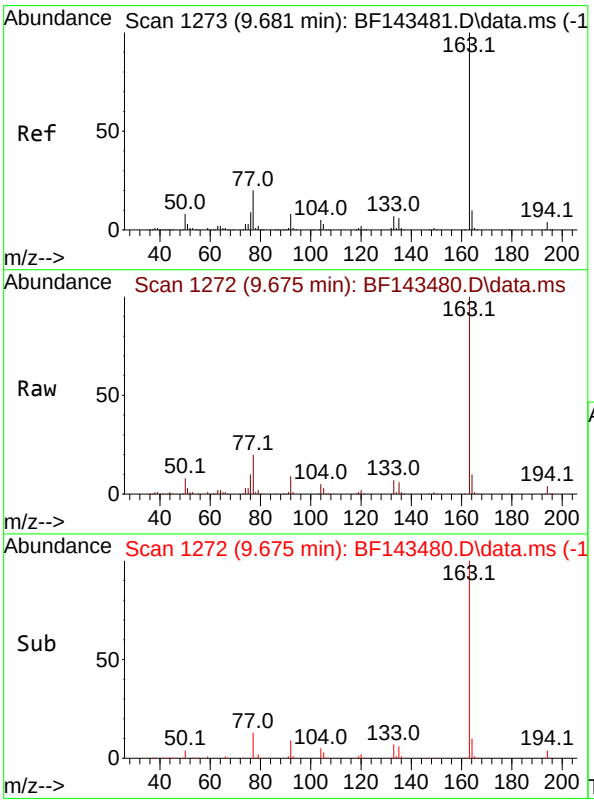
#49
Acenaphthylene
Concen: 21.158 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 461236

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	13.1	10.6	15.8

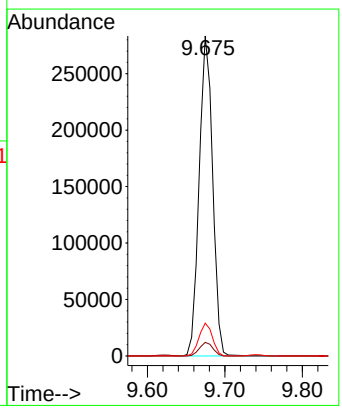


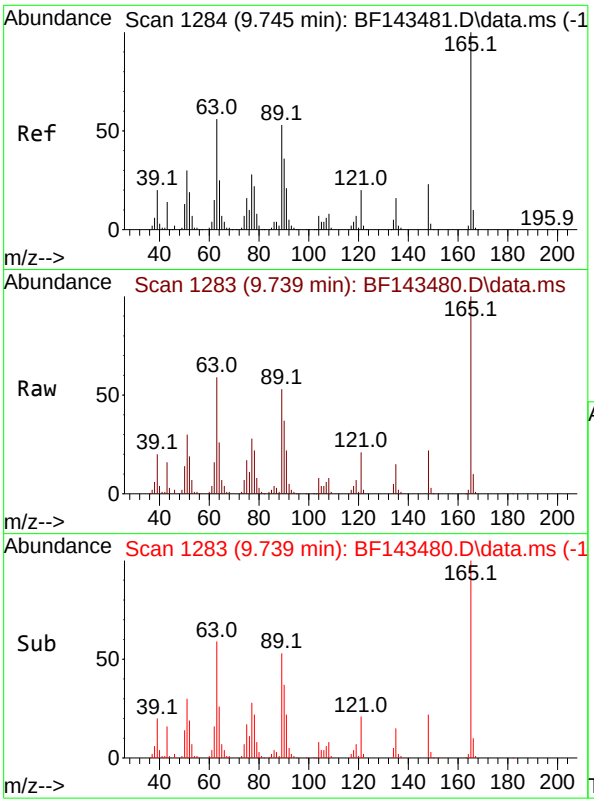


#50
Dimethylphthalate
Concen: 20.788 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:163 Resp: 342268

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.3	8.2	12.2



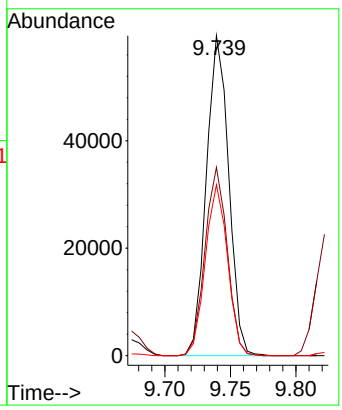


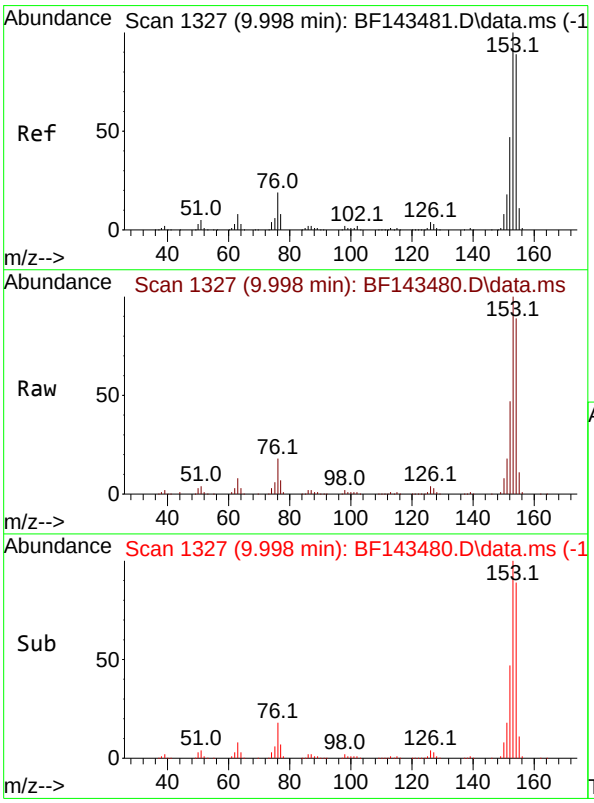
#51
2,6-Dinitrotoluene
Concen: 20.723 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 70716

Ion	Ratio	Lower	Upper
165	100		
63	58.9	45.0	67.6
89	53.4	42.5	63.7

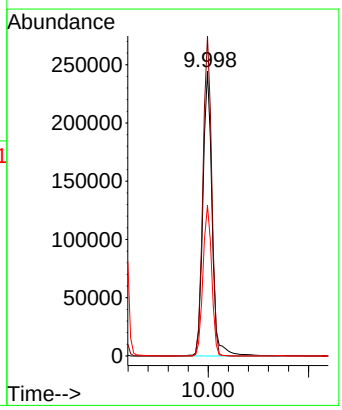


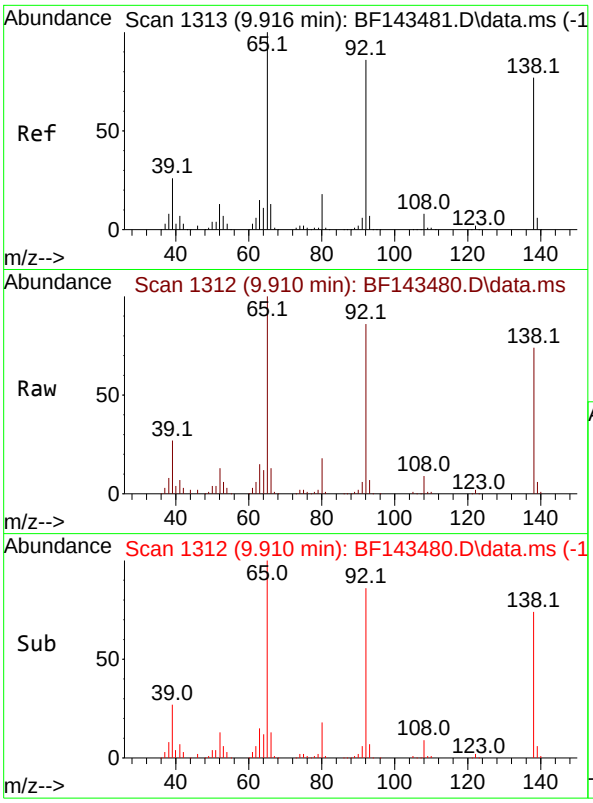


#52
Acenaphthene
Concen: 20.998 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:154 Resp: 310782

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.5	134.3
152	52.9	42.5	63.7



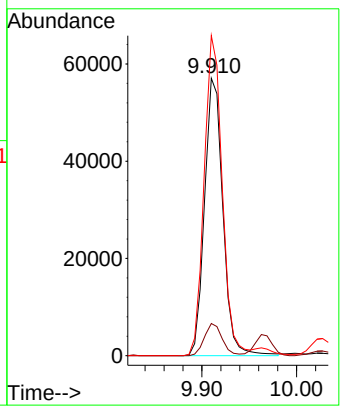


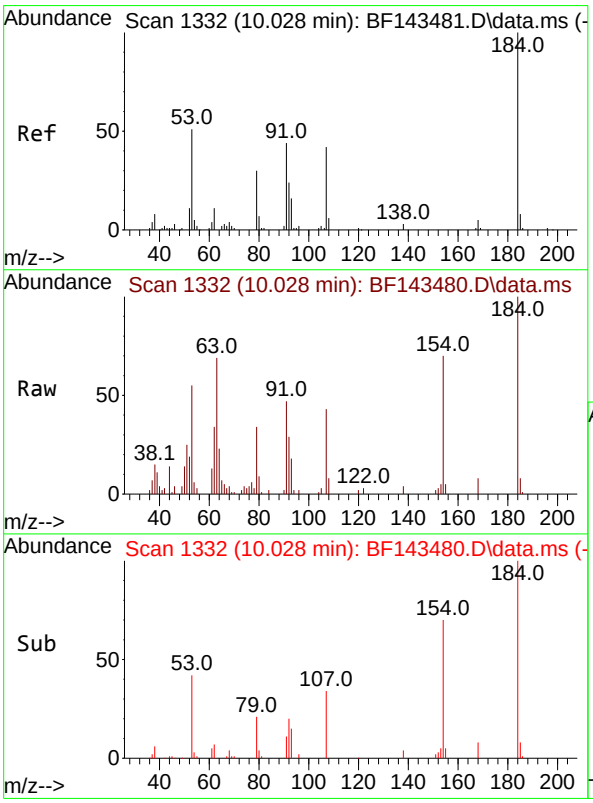
#53
3-Nitroaniline
Concen: 20.791 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 76663

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.6	13.0
92	115.3	89.8	134.8

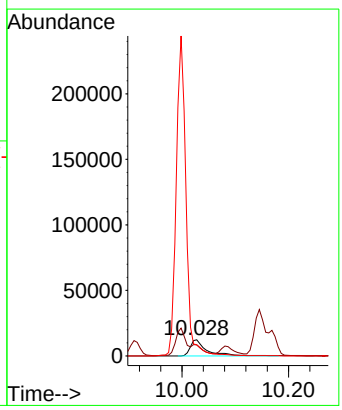


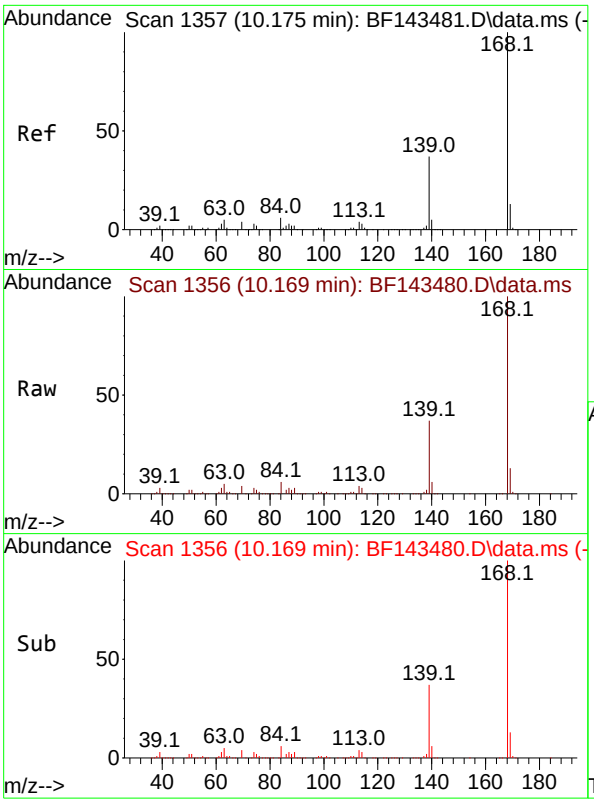


#54
2,4-Dinitrophenol
Concen: 19.096 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:184 Resp: 26974

Ion	Ratio	Lower	Upper
184	100		
63	68.7	52.6	78.8
154	69.6	51.0	76.4



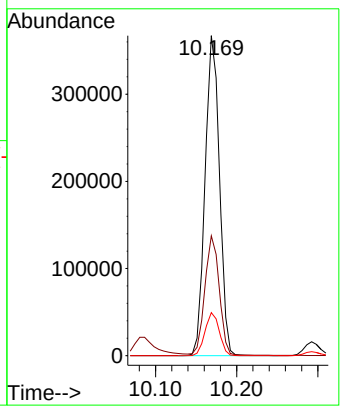


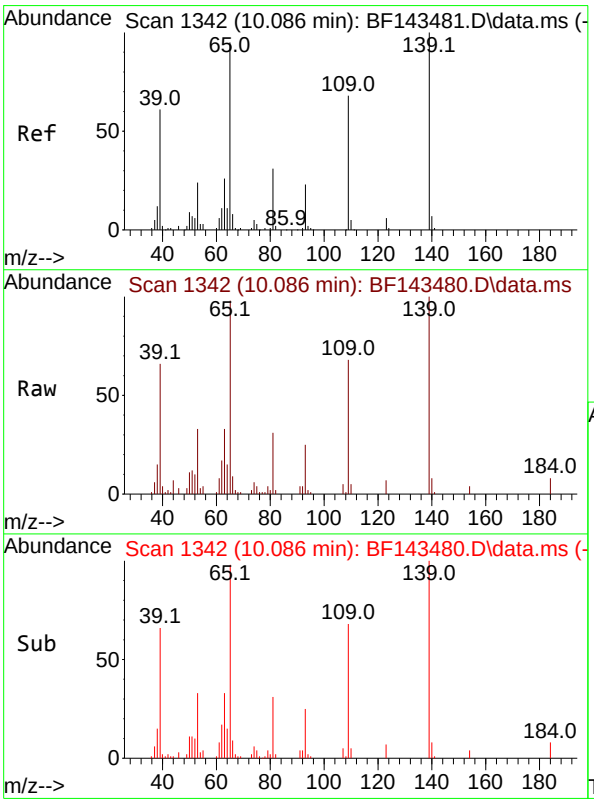
#55
Dibenzofuran
Concen: 21.335 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 450207

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.8	44.6
169	13.5	10.8	16.2

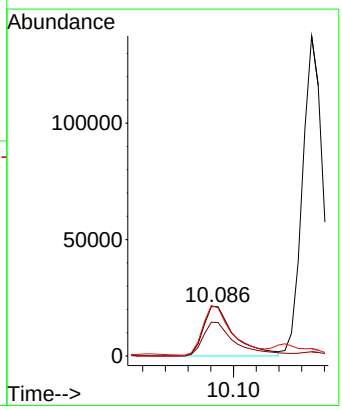


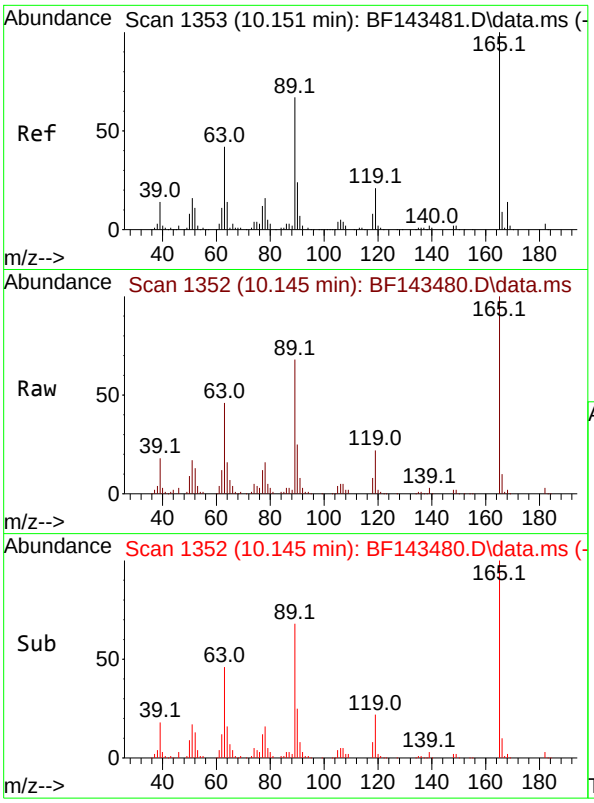


#56
4-Nitrophenol
Concen: 18.359 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:139 Resp: 40278

Ion	Ratio	Lower	Upper
139	100		
109	67.8	48.2	88.2
65	97.6	75.8	115.8



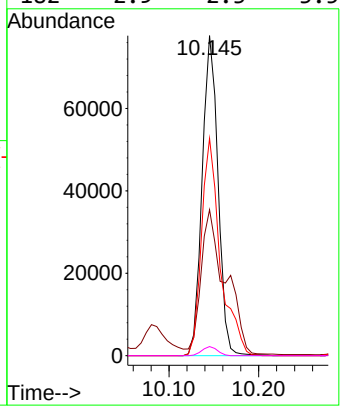


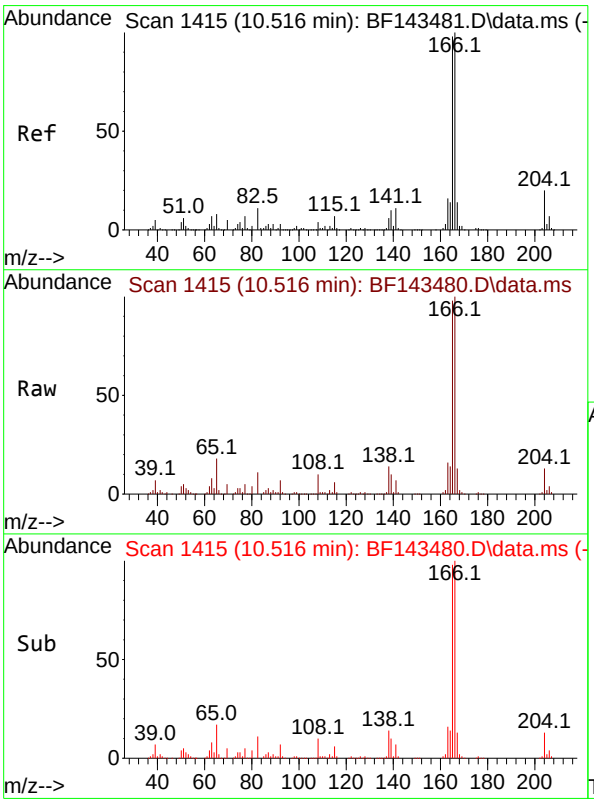
#57
2,4-Dinitrotoluene
Concen: 20.923 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 95333

Ion	Ratio	Lower	Upper
165	100		
63	45.6	34.9	52.3
89	67.9	53.3	79.9
182	2.9	2.3	3.5

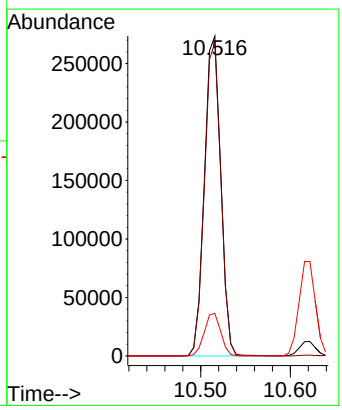


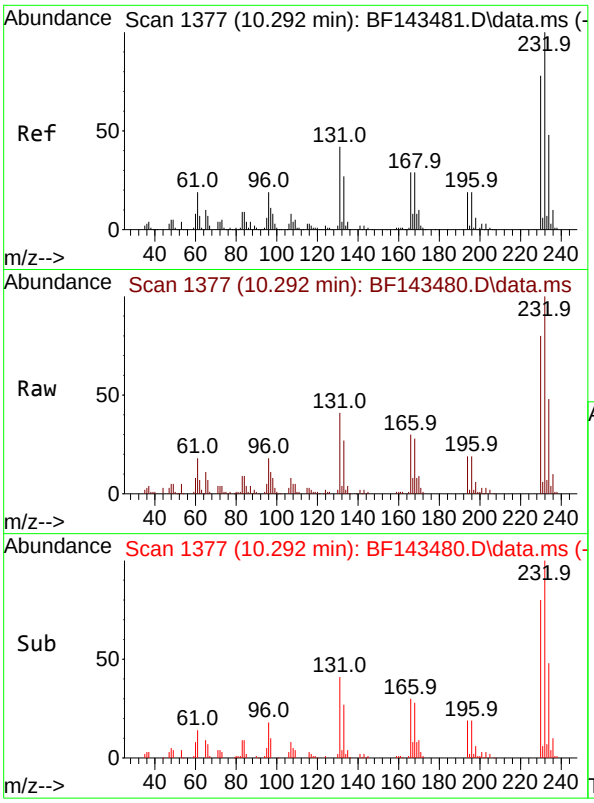


#58
Fluorene
Concen: 21.370 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:166 Resp: 347075

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.3	11.0	16.4



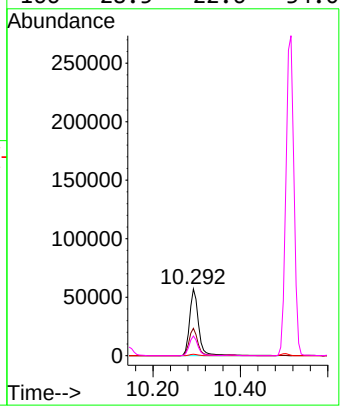


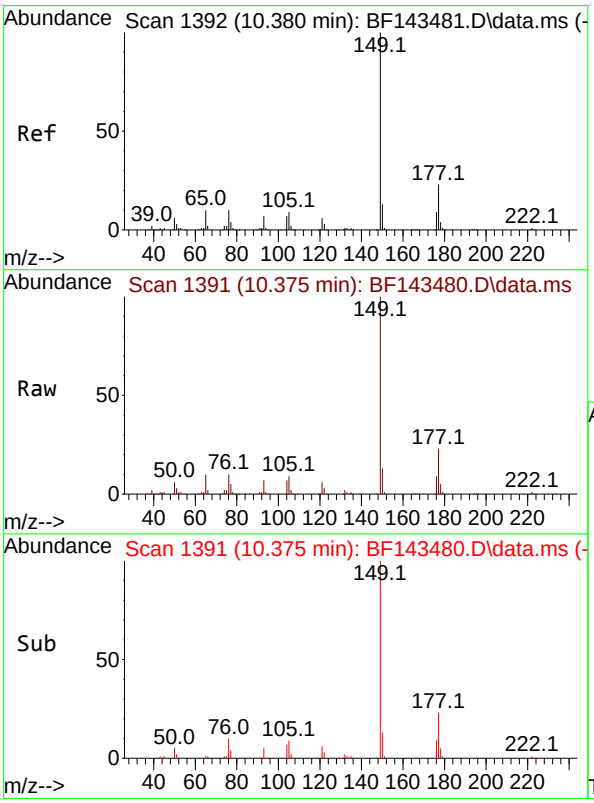
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.905 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 81629

Ion	Ratio	Lower	Upper
232	100		
131	39.8	32.7	49.1
130	1.8	1.6	2.4
166	28.5	22.6	34.0

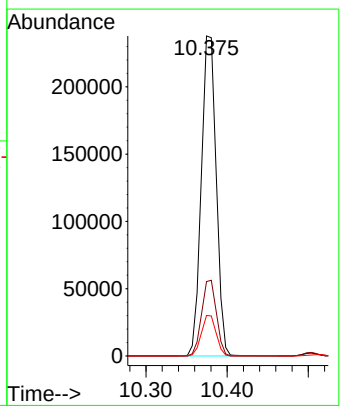


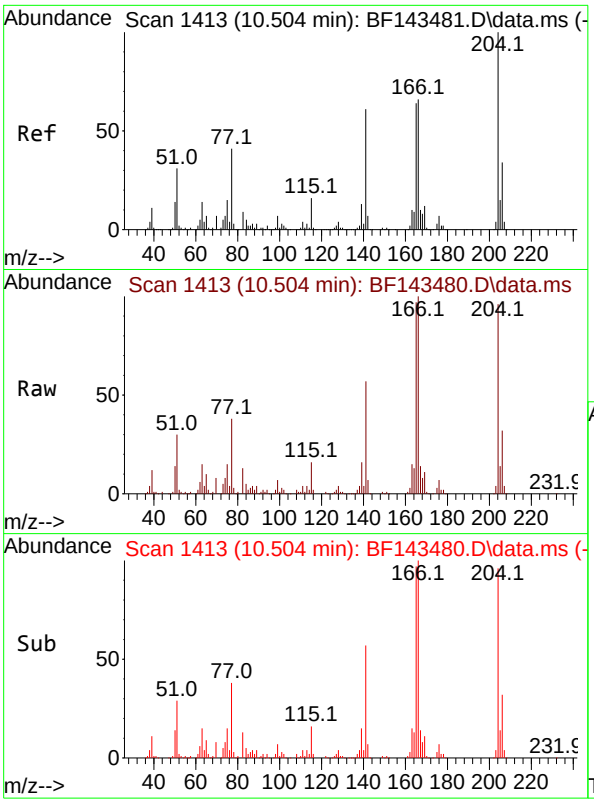


#60
Diethylphthalate
Concen: 20.558 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 303476

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.7	10.3	15.5



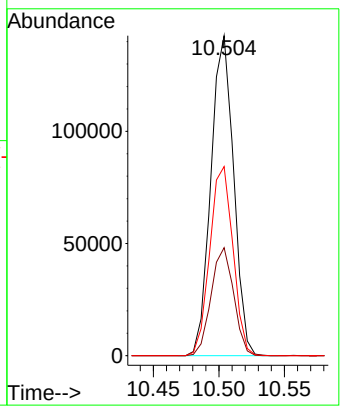


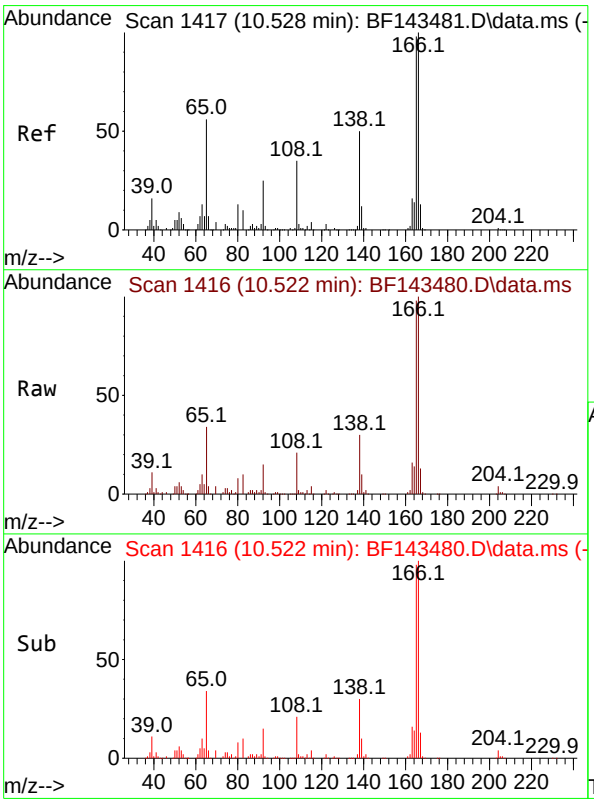
#61
4-Chlorophenyl-phenylether
Concen: 21.142 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 171724

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	59.1	48.7	73.1

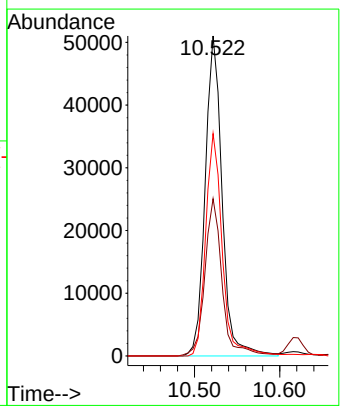


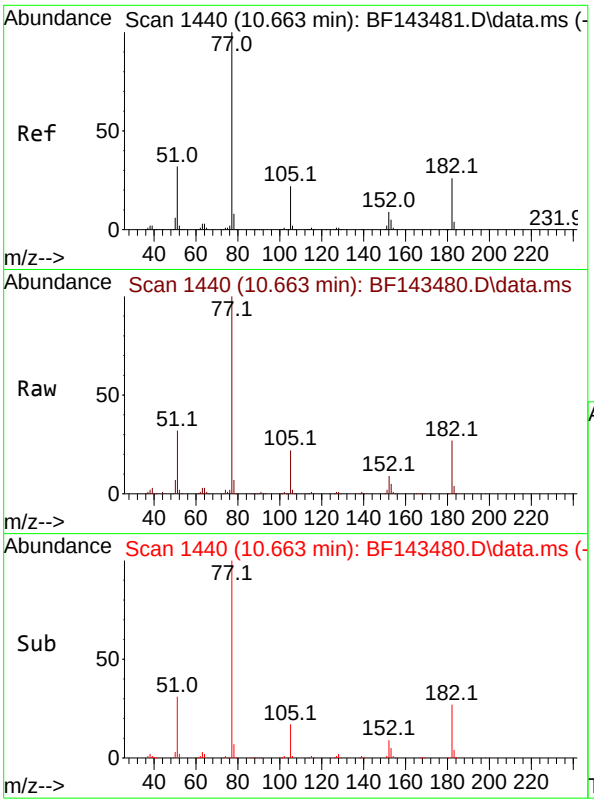


#62
4-Nitroaniline
Concen: 20.840 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:138 Resp: 70583

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.3	69.3
108	69.5	50.7	90.7



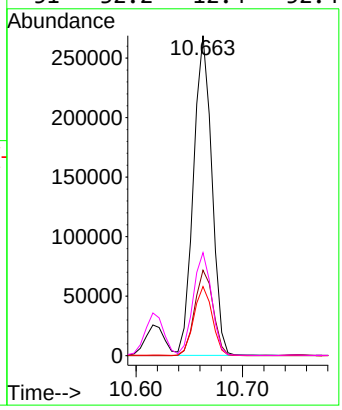


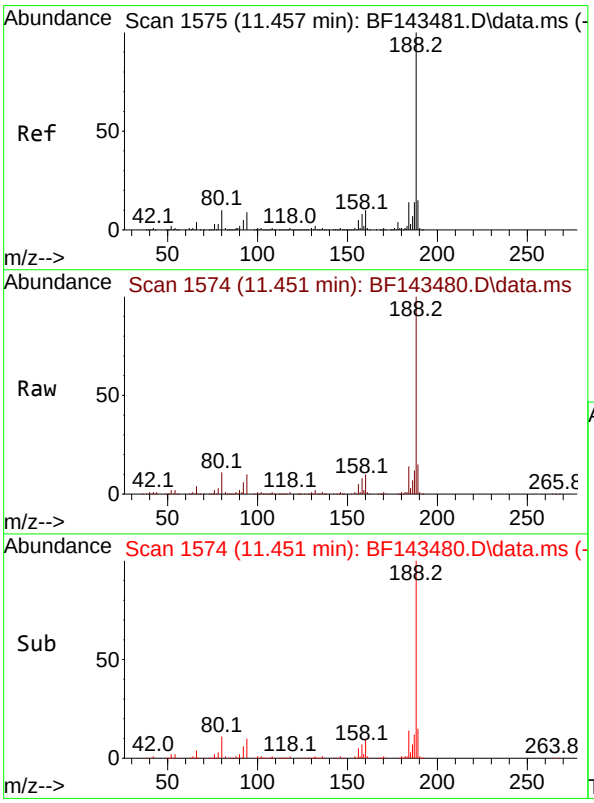
#63
Azobenzene
Concen: 21.019 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 321721

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.2	46.2
105	21.6	2.2	42.2
51	32.2	12.4	52.4

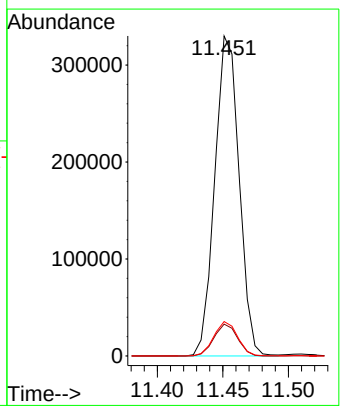


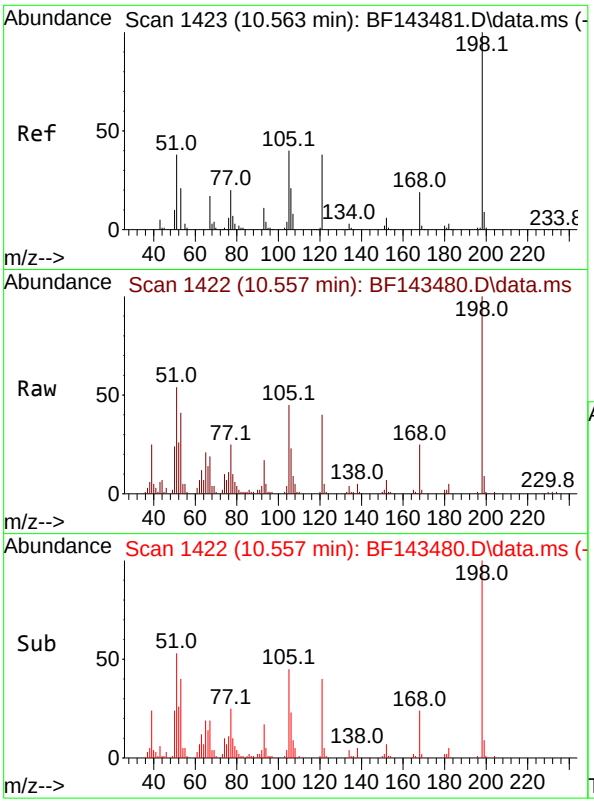


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:188 Resp: 425626

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.4	11.2
80	10.8	8.2	12.4



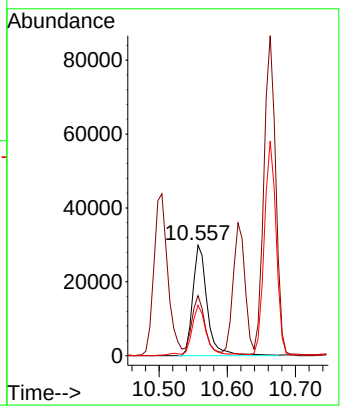


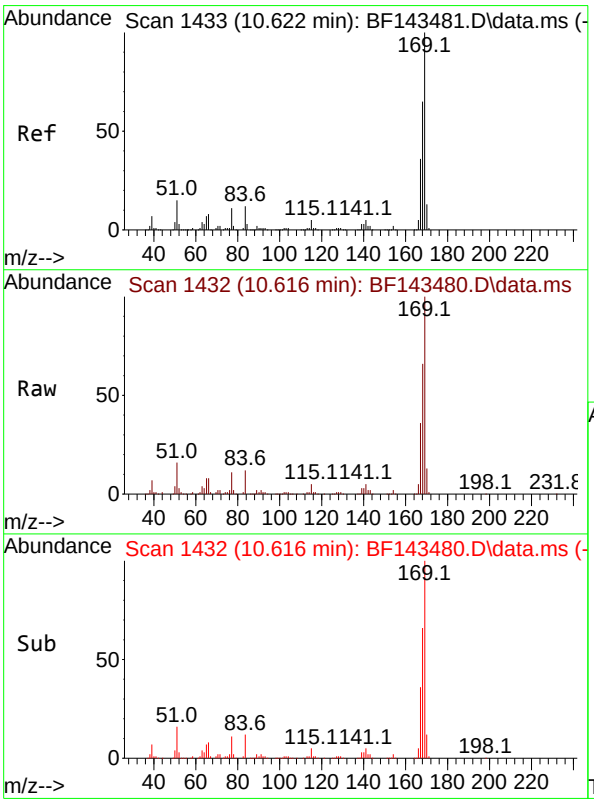
#65
4,6-Dinitro-2-methylphenol
Concen: 18.261 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 43824

Ion	Ratio	Lower	Upper
198	100		
51	54.3	29.6	69.6
105	45.5	21.5	61.5

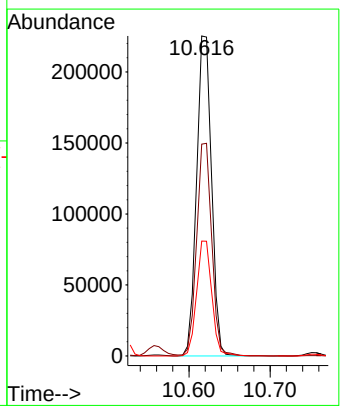


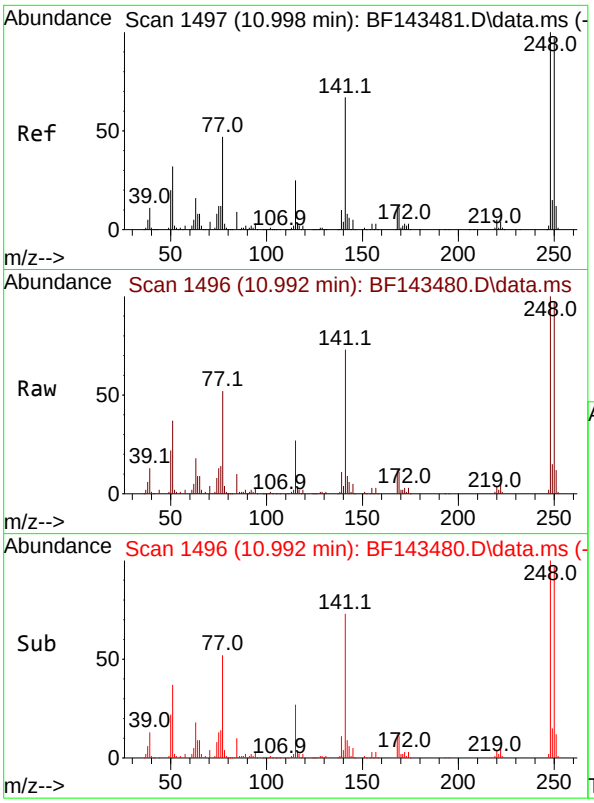


#66
n-Nitrosodiphenylamine
Concen: 21.089 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:169 Resp: 288871

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.4	78.6
167	35.9	28.9	43.3



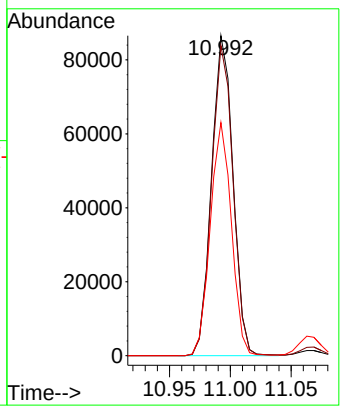


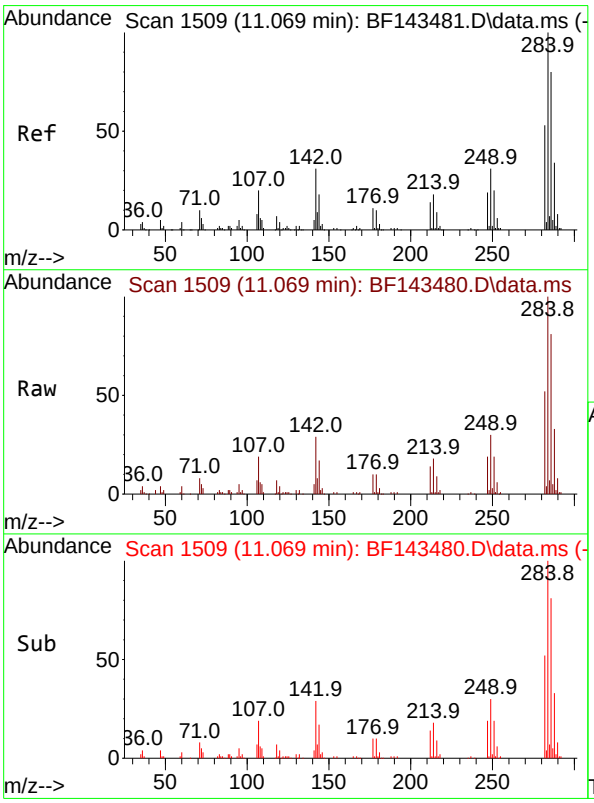
#67
4-Bromophenyl-phenylether
Concen: 20.944 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 106363

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.8
141	72.9	54.0	81.0

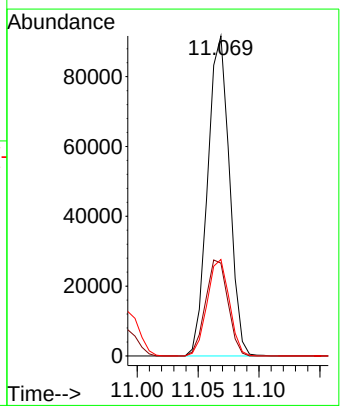


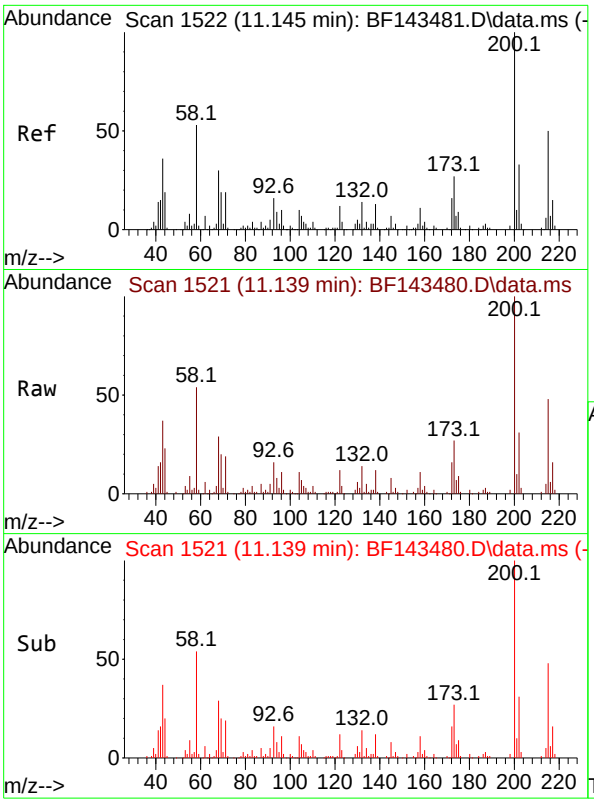


#68
Hexachlorobenzene
Concen: 20.773 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:284 Resp: 113714

Ion	Ratio	Lower	Upper
284	100		
142	29.0	24.4	36.6
249	30.2	25.0	37.6



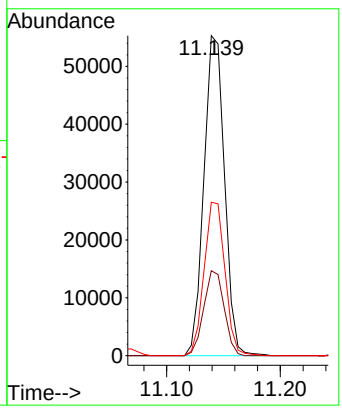


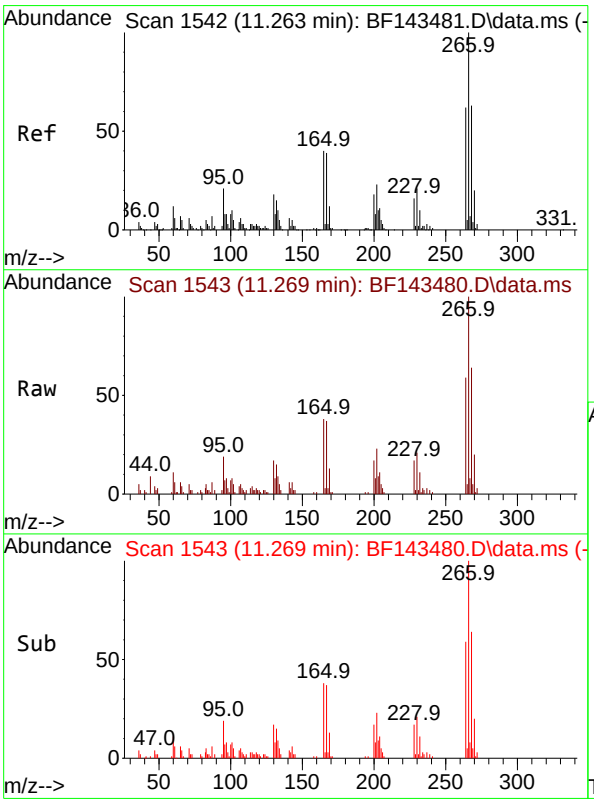
#69
Atrazine
Concen: 19.750 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 69831

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.9	46.9
215	48.0	30.0	70.0

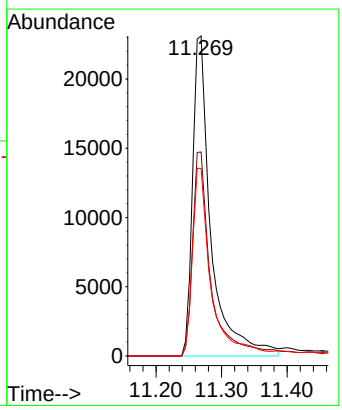


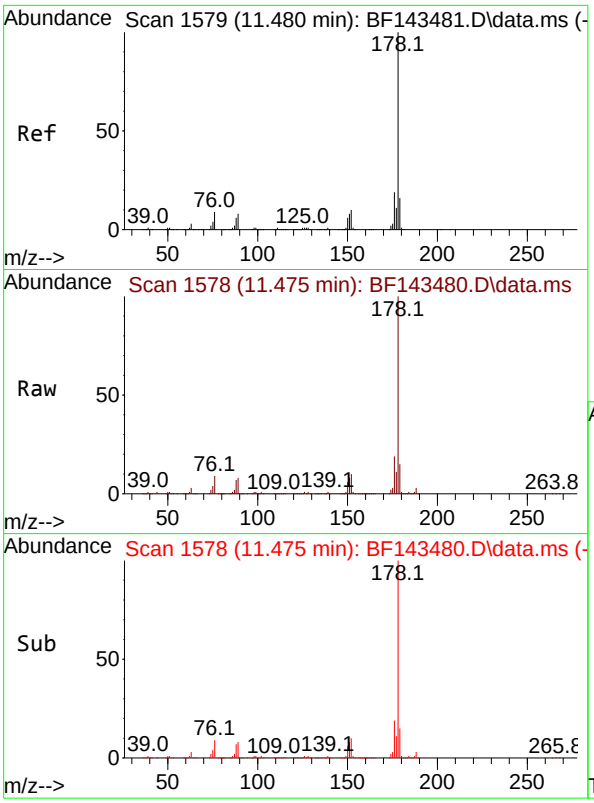


#70
Pentachlorophenol
Concen: 18.070 ng
RT: 11.269 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:266 Resp: 45302

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.5	75.7
264	58.6	49.8	74.8



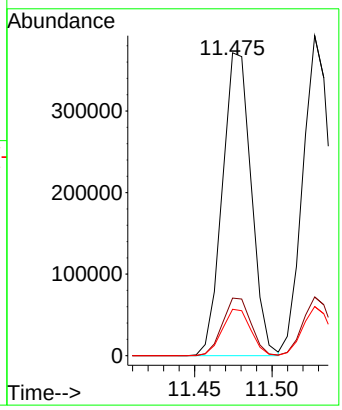


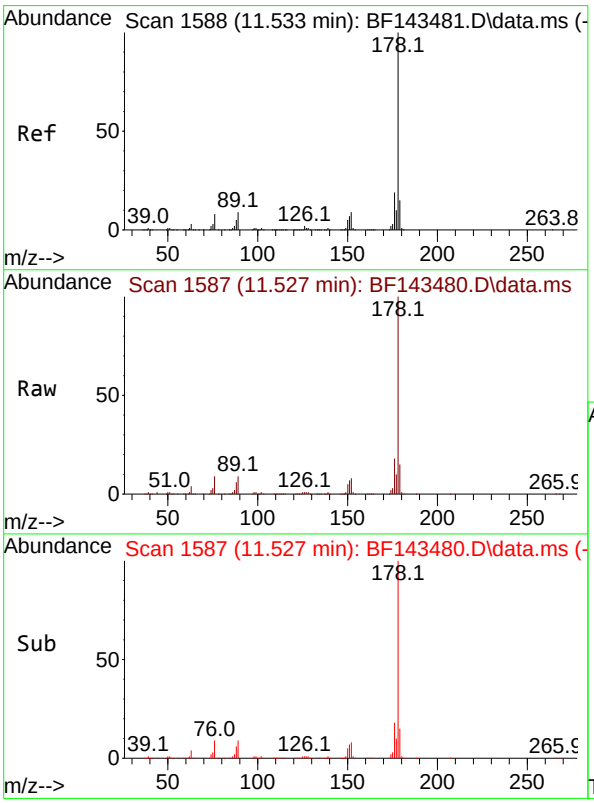
#71
Phenanthrene
Concen: 21.099 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 480915

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.5	18.7

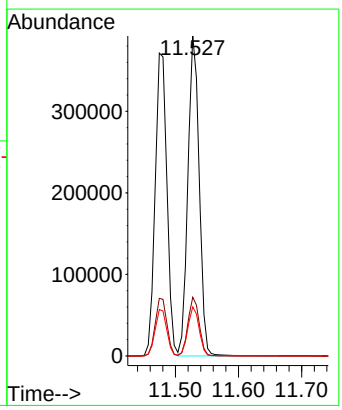


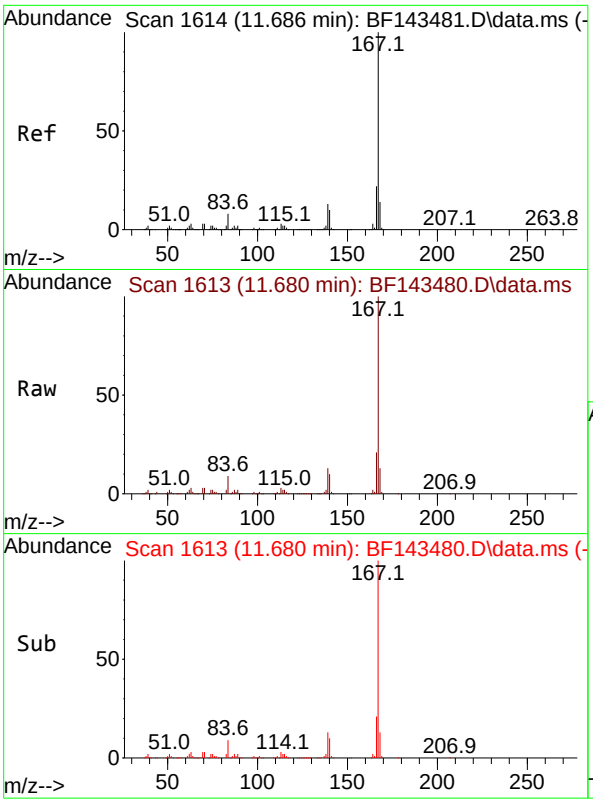


#72
Anthracene
Concen: 21.164 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:178 Resp: 488675

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.4	12.3	18.5



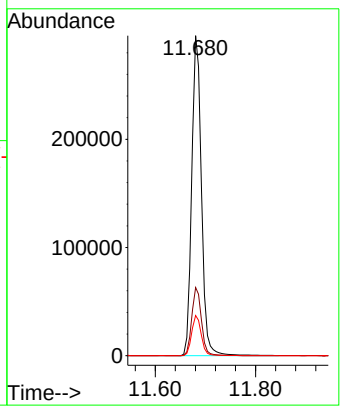


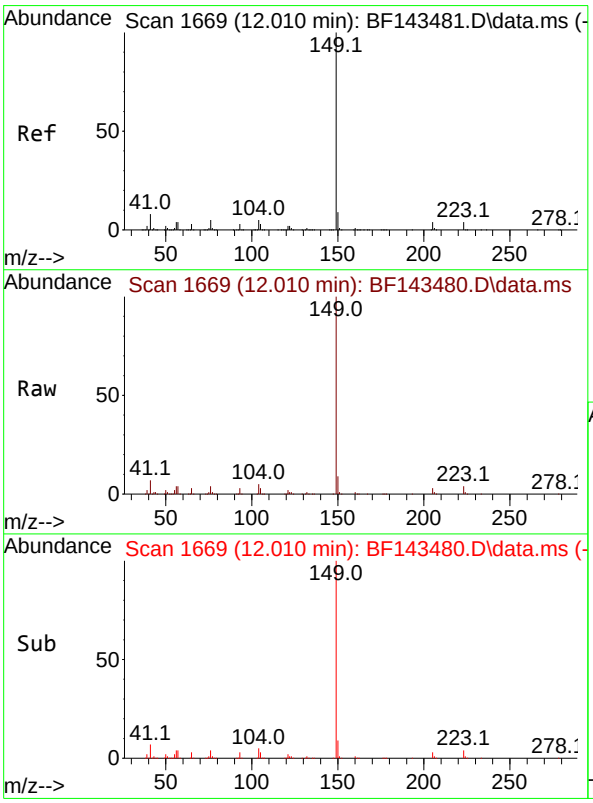
#73
Carbazole
Concen: 20.967 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 396704

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	12.6	10.0	15.0

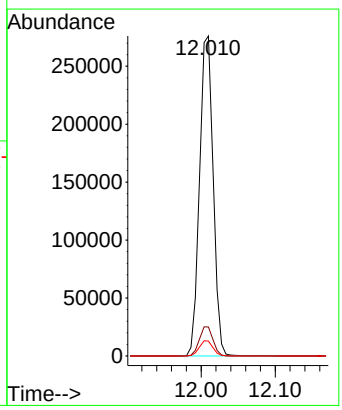


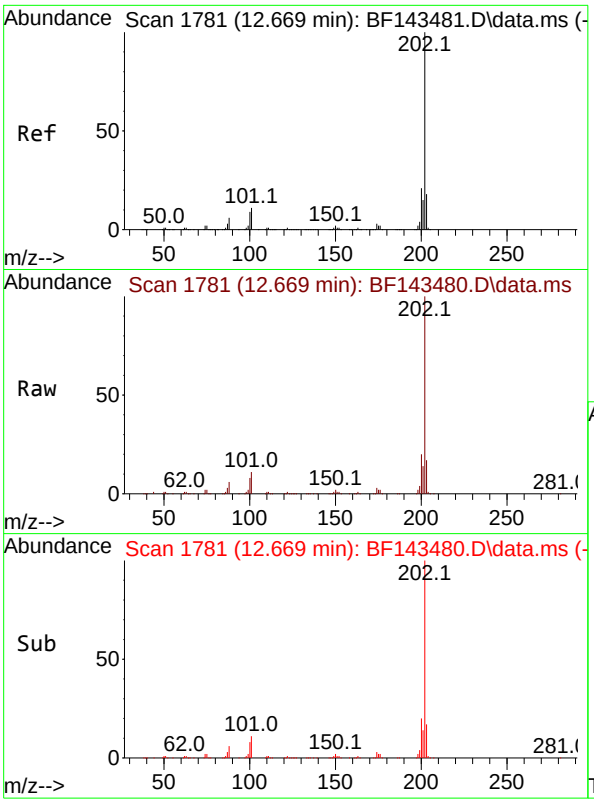


#74
Di-n-butylphthalate
Concen: 20.013 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 353228

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8
104	4.6	3.6	5.4



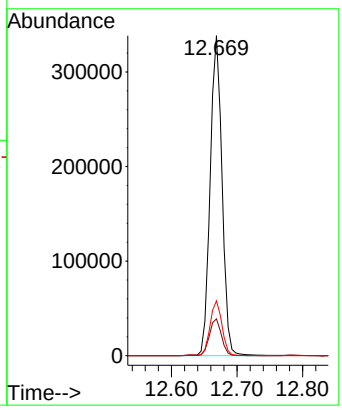


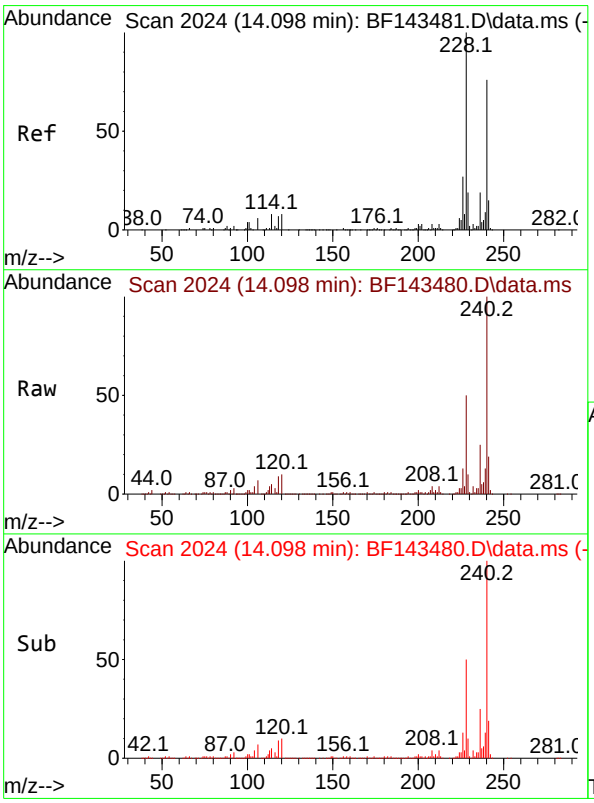
#75
Fluoranthene
Concen: 20.846 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 426351

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.1	0.0	37.9

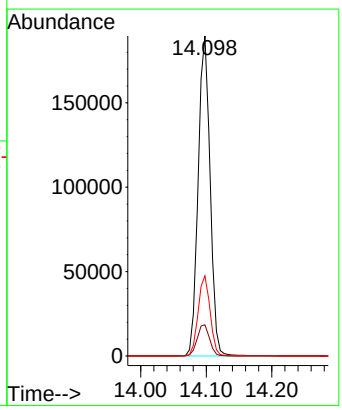


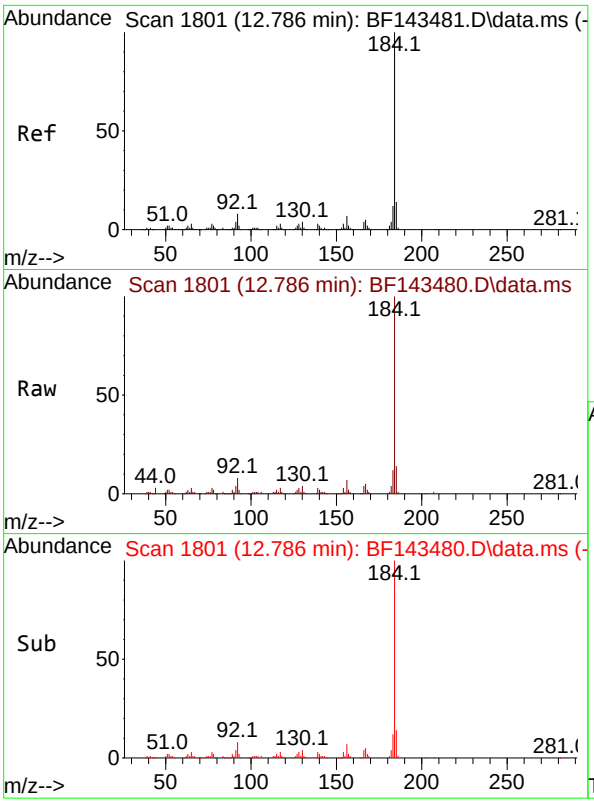


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:240 Resp: 241250

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.6	12.8
236	25.0	20.4	30.6



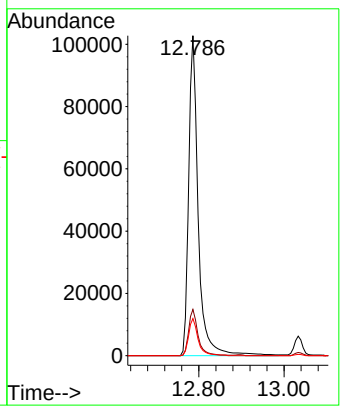


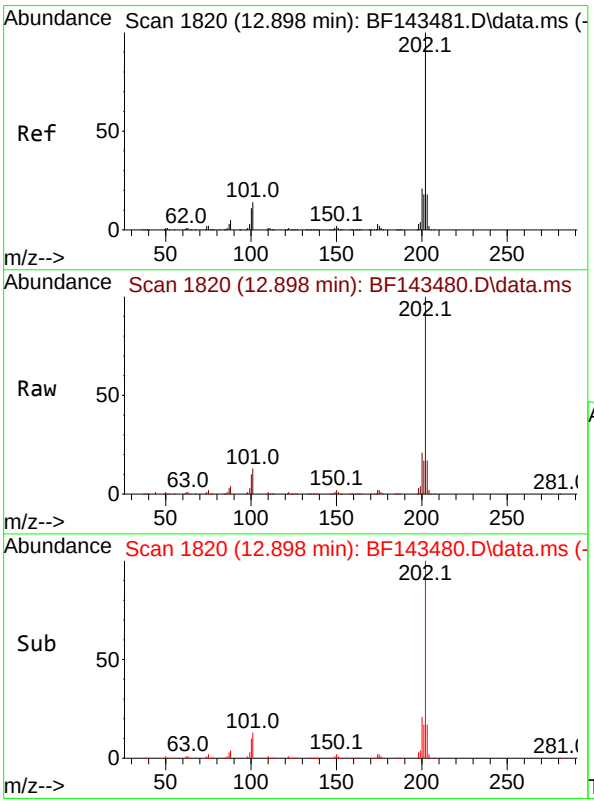
#77
Benzidine
Concen: 27.286 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 160347

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.3	16.9
183	11.6	9.5	14.3

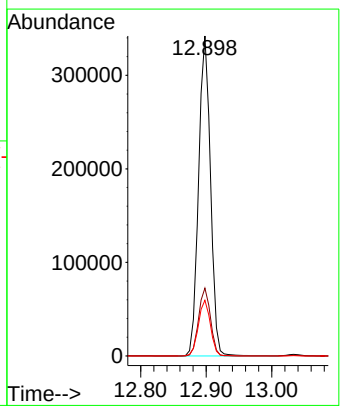


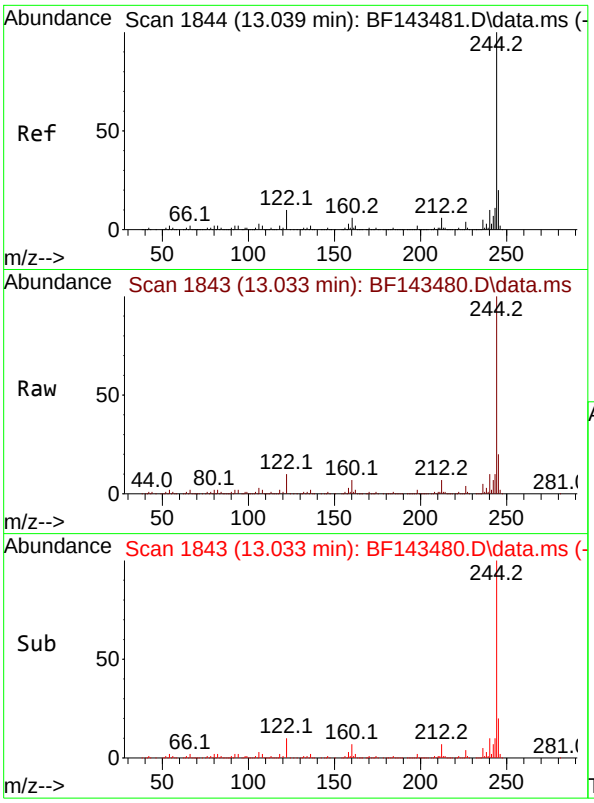


#78
Pyrene
Concen: 21.798 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:202 Resp: 432575

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.4	14.3	21.5



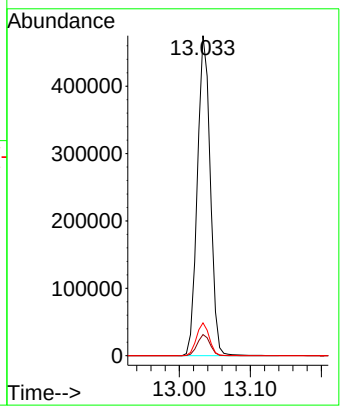


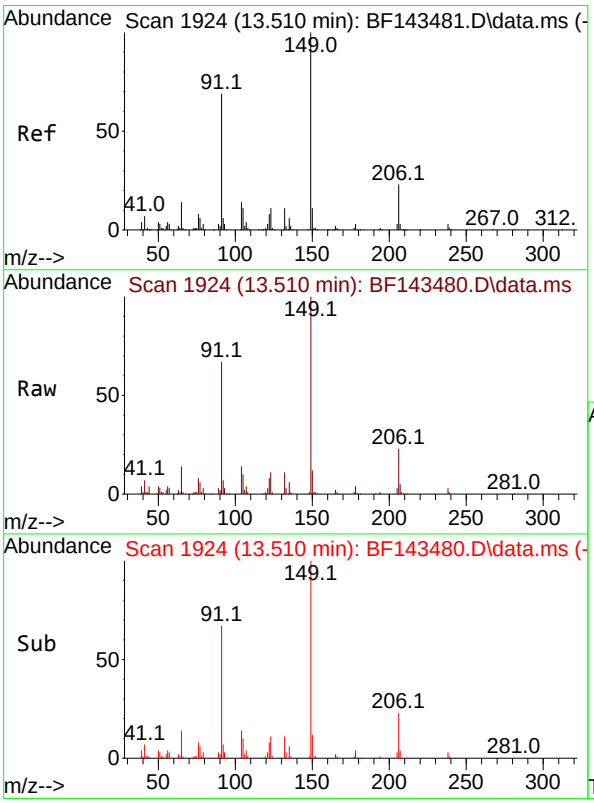
#79
Terphenyl-d14
Concen: 43.541 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 601957

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.3	7.9	11.9

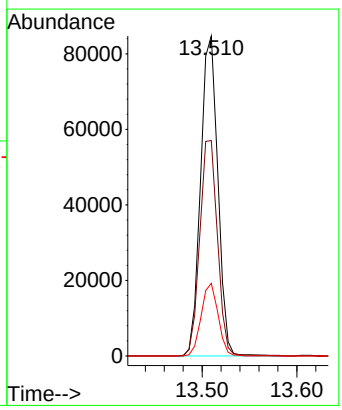


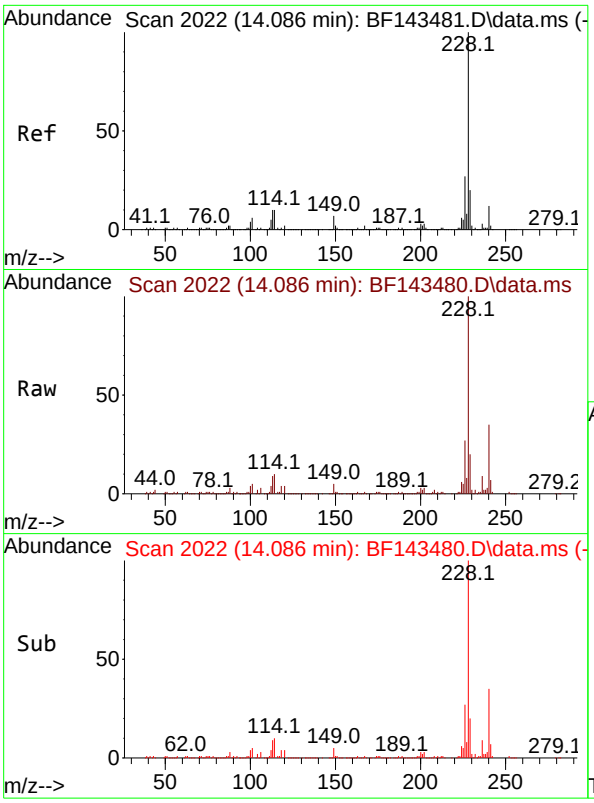


#80
Butylbenzylphthalate
Concen: 19.698 ng
RT: 13.510 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 106788

Ion	Ratio	Lower	Upper
149	100		
91	67.3	55.3	82.9
206	22.7	18.2	27.4



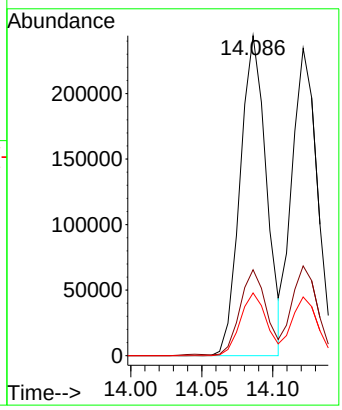


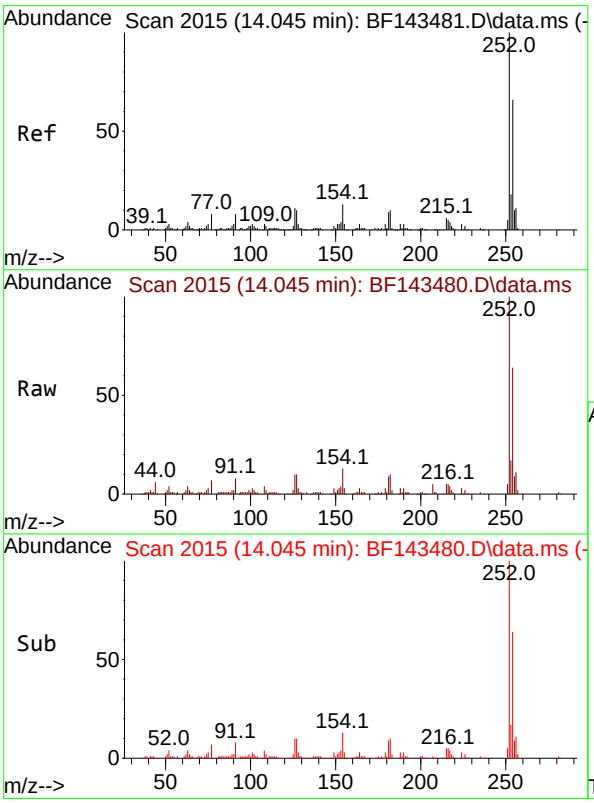
#81
Benzo(a)anthracene
Concen: 20.196 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 313687

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.6	15.7	23.5

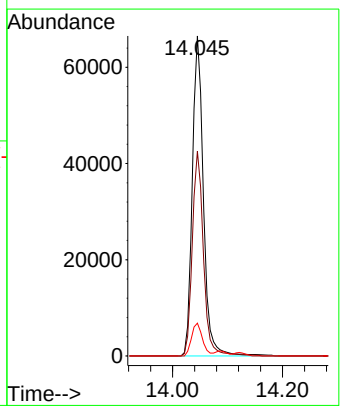


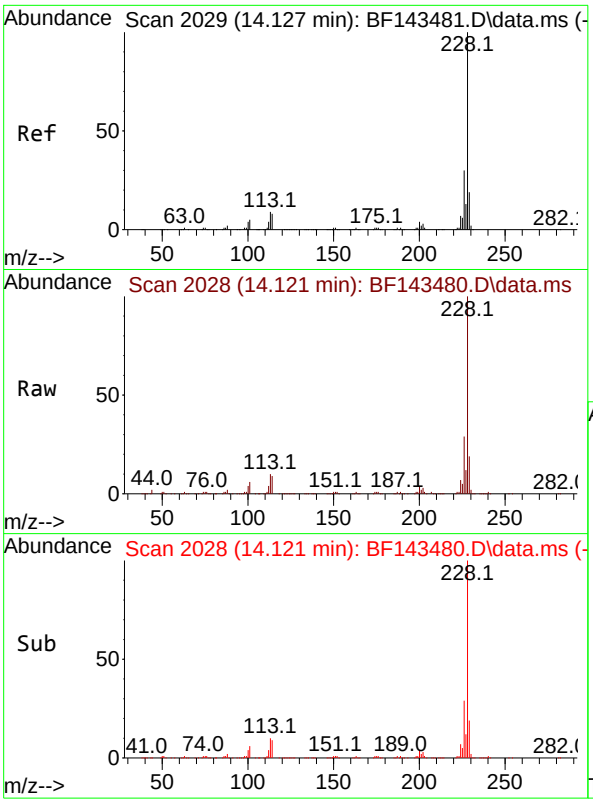


#82
3,3'-Dichlorobenzidine
Concen: 20.959 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 93226

Ion	Ratio	Lower	Upper
252	100		
254	64.0	52.6	79.0
126	10.3	8.7	13.1



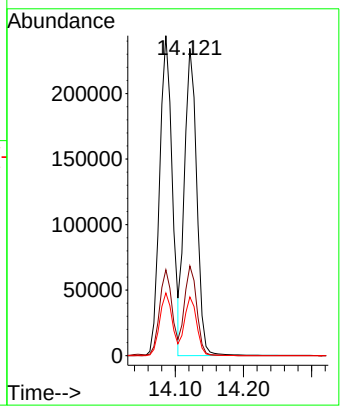


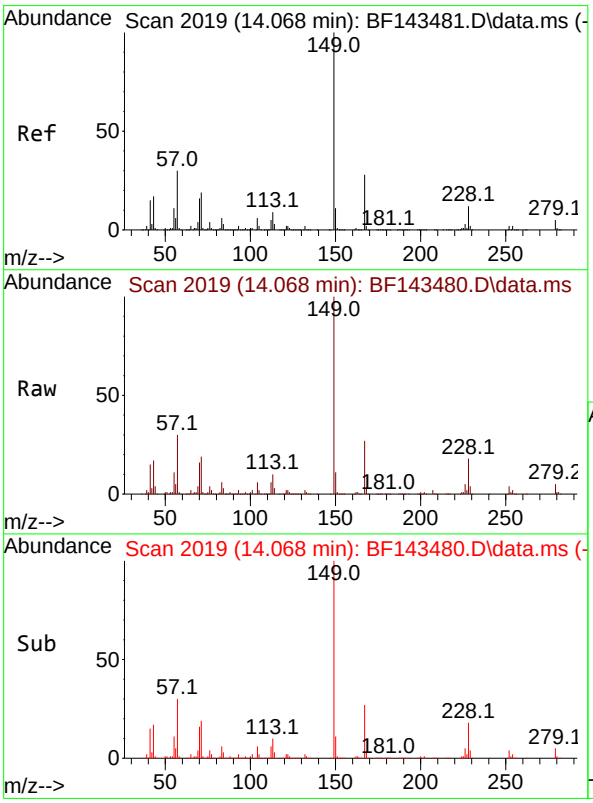
#83
Chrysene
Concen: 20.957 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 292523

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.1	15.7	23.5

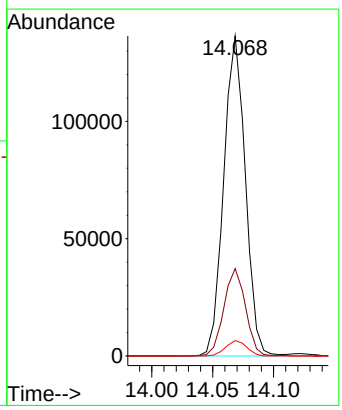


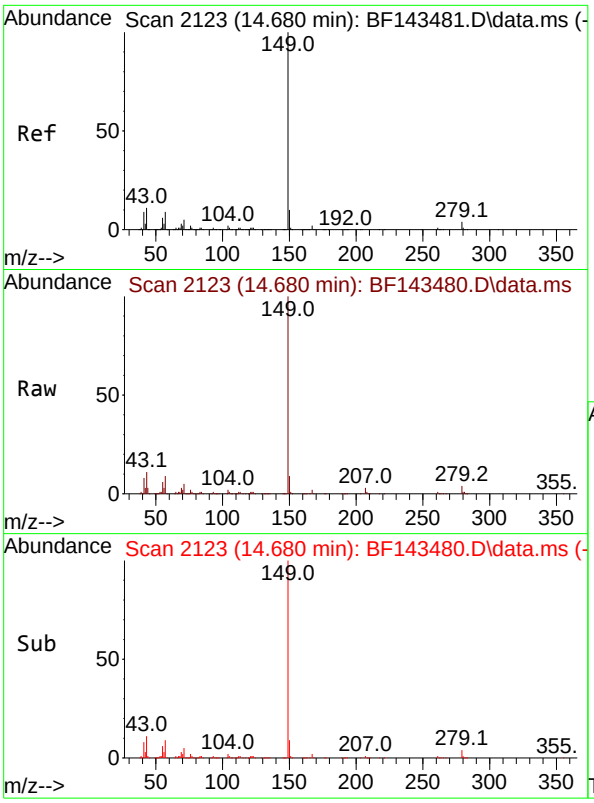


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.434 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:149 Resp: 168717

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.2
279	4.8	3.6	5.4



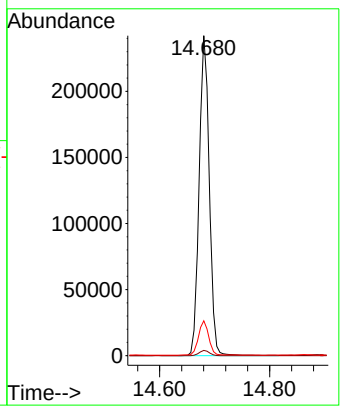


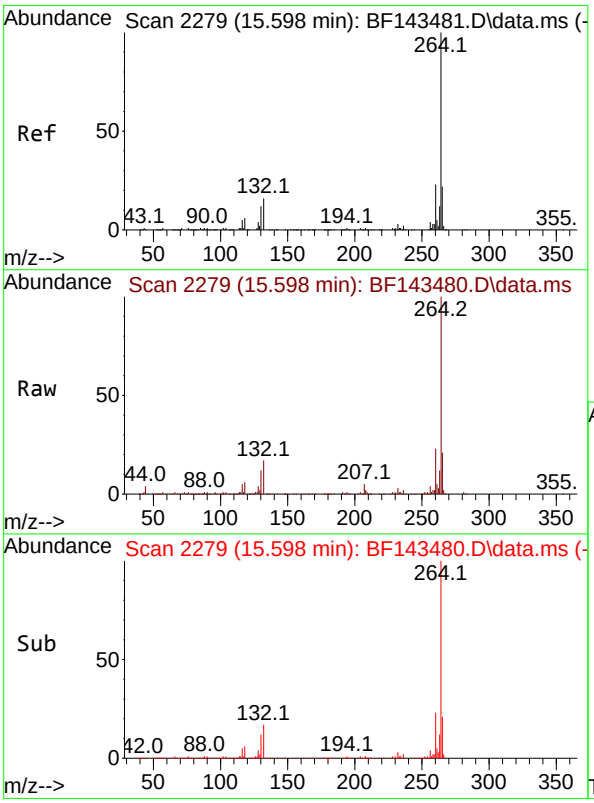
#85
Di-n-octyl phthalate
Concen: 20.329 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 310954

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.0	8.5	12.7

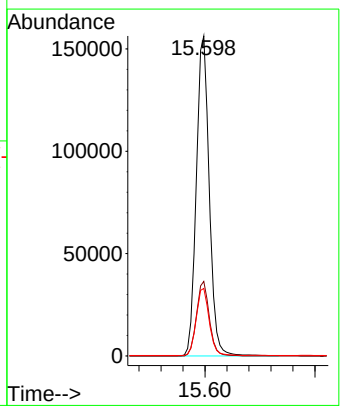


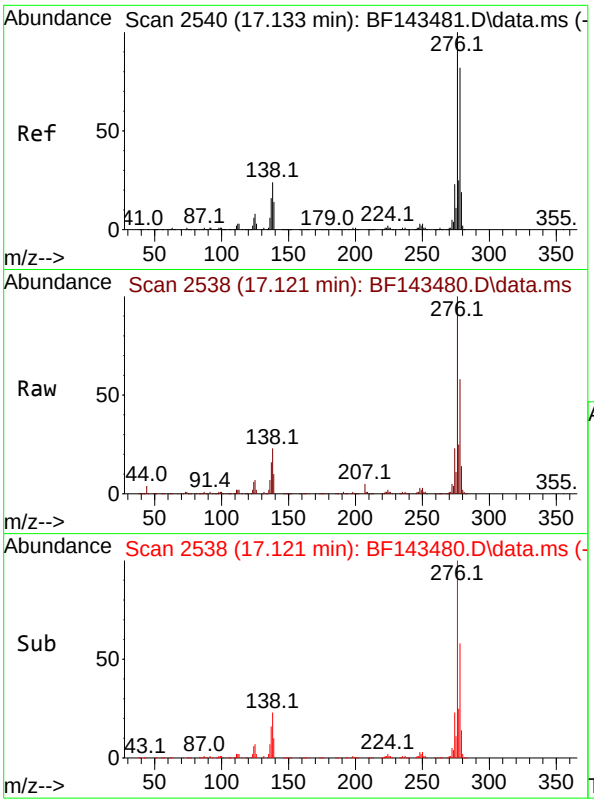


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:264 Resp: 255472

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.1	17.6	26.4



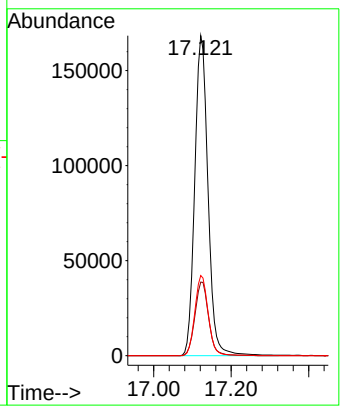


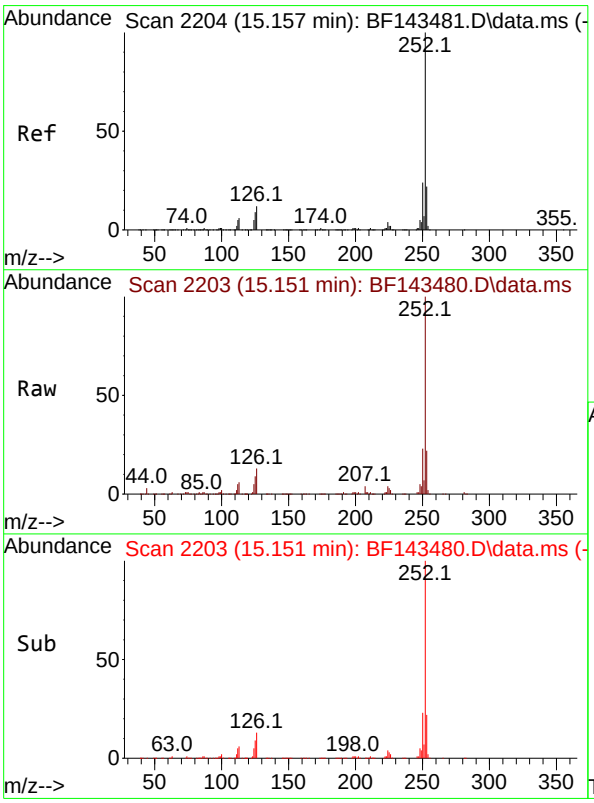
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.773 ng
RT: 17.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 399711

Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.2	28.8
277	25.2	20.3	30.5

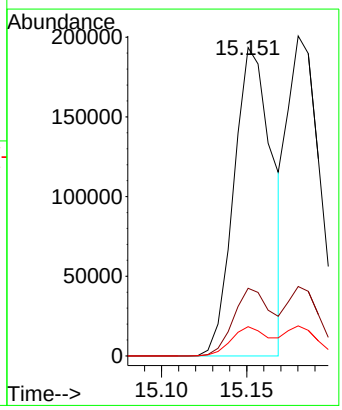


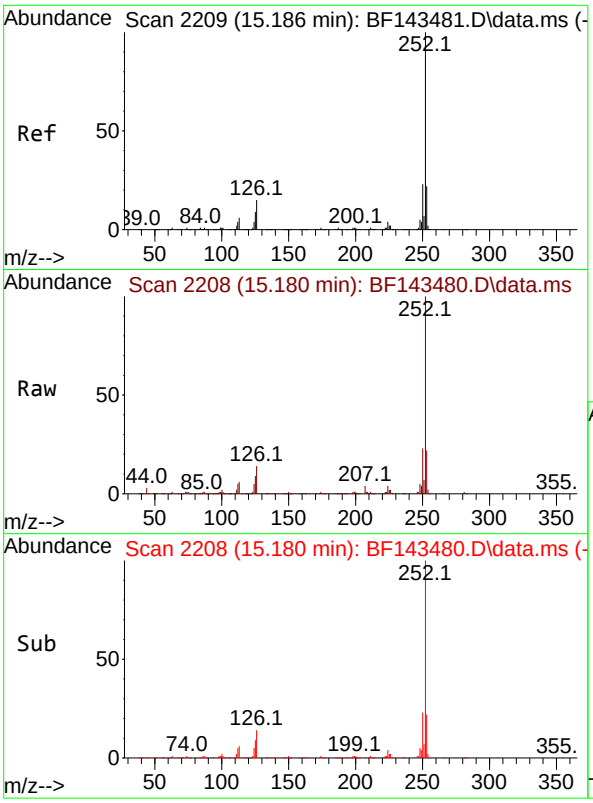


#88
Benzo(b)fluoranthene
Concen: 21.268 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 302016

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	7.4	11.0



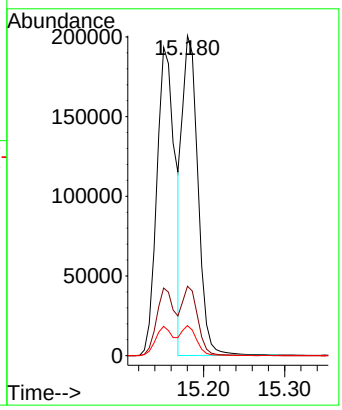


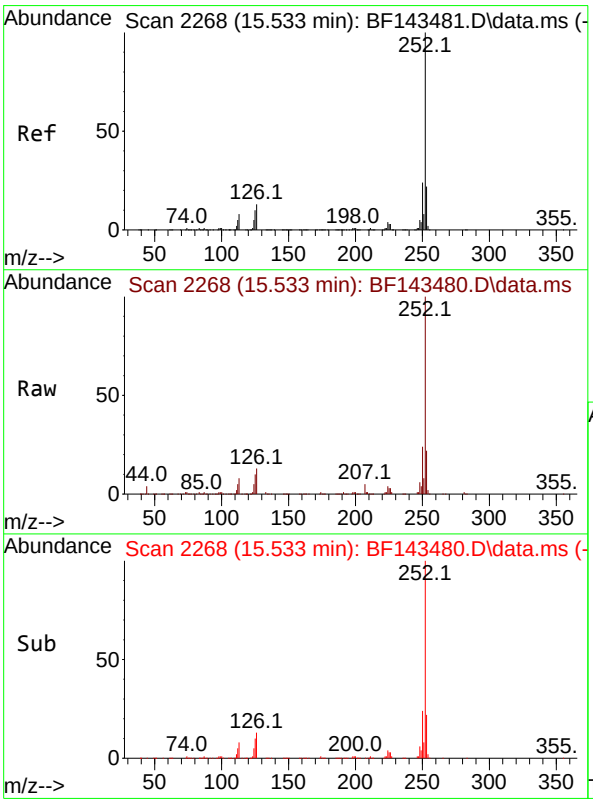
#89
Benzo(k)fluoranthene
Concen: 19.835 ng
RT: 15.180 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 269685

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	9.4	7.4	11.0

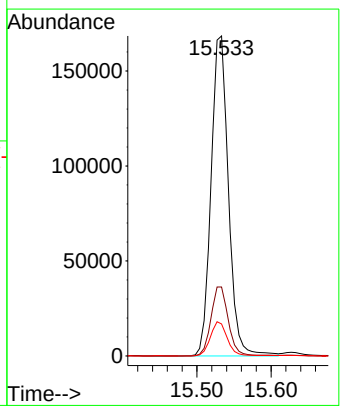


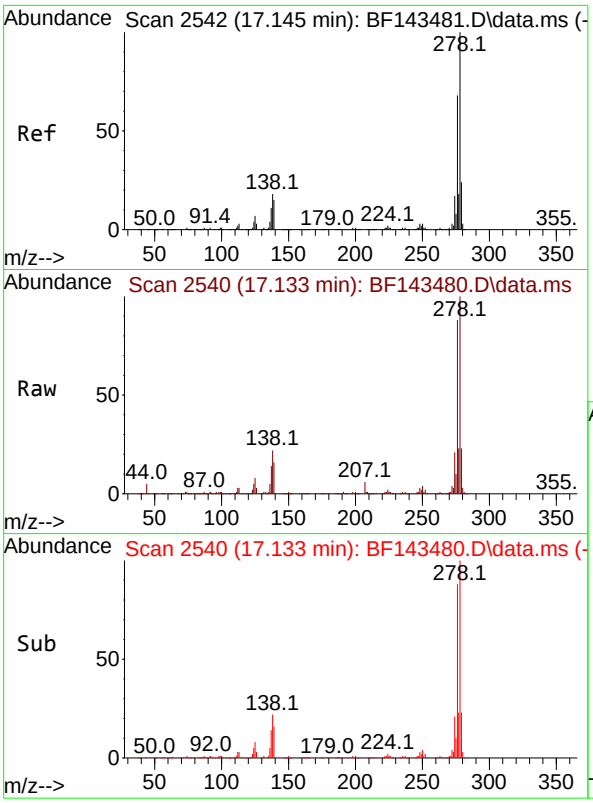


#90
Benzo(a)pyrene
Concen: 20.819 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:252 Resp: 274418

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.0	8.2	12.2



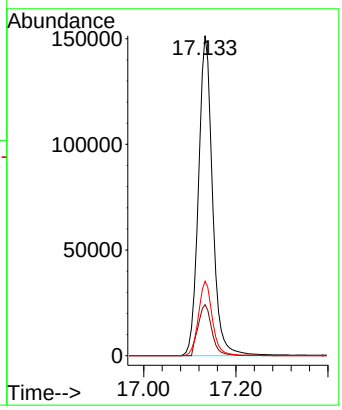


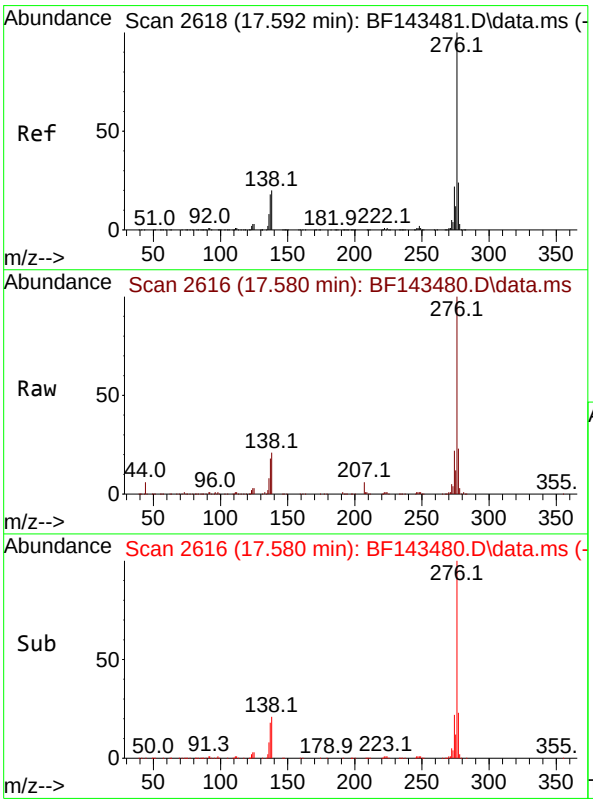
#91
Dibenzo(a,h)anthracene
Concen: 21.891 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 321851

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.1	18.1
279	23.3	19.2	28.8

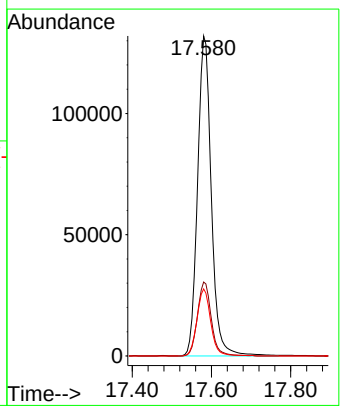




#92
Benzo(g,h,i)perylene
Concen: 21.701 ng
RT: 17.580 min Scan# 2616
Delta R.T. -0.024 min
Lab File: BF143480.D
Acq: 20 Aug 2025 12:23

Tgt Ion:276 Resp: 317263

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.9	28.3
138	21.0	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137770	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	521928	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	282852	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	436106	20.000	ng	0.00
76) Chrysene-d12	14.098	240	249960	20.000	ng	0.00
86) Perylene-d12	15.598	264	288139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	627397	79.519	ng	0.00
7) Phenol-d6	6.563	99	775270	79.600	ng	-0.01
23) Nitrobenzene-d5	7.492	82	717900	80.266	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	212595	80.744	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1307900	76.419	ng	0.00
79) Terphenyl-d14	13.039	244	1129659	78.865	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	147614	40.387	ng	100
3) Pyridine	3.522	79	396205	40.700	ng	100
4) n-Nitrosodimethylamine	3.463	42	176726	40.383	ng	100
6) Aniline	6.592	93	520870	40.010	ng	100
8) 2-Chlorophenol	6.716	128	349331	40.086	ng	100
9) Benzaldehyde	6.481	77	330624	41.929	ng	100
10) Phenol	6.581	94	453508	40.419	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	334229	39.862	ng	100
12) 1,3-Dichlorobenzene	6.869	146	389485	39.778	ng	100
13) 1,4-Dichlorobenzene	6.945	146	388762	39.581	ng	100
14) 1,2-Dichlorobenzene	7.098	146	371439	39.943	ng	100
15) Benzyl Alcohol	7.069	79	298360	40.916	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	538319	40.131	ng	100
17) 2-Methylphenol	7.187	107	278676	39.844	ng	100
18) Hexachloroethane	7.439	117	135258	40.503	ng	100
19) n-Nitroso-di-n-propyla...	7.339	70	232621	39.076	ng	100
20) 3+4-Methylphenols	7.334	107	335474	40.179	ng	100
22) Acetophenone	7.334	105	436693	38.728	ng	100
24) Nitrobenzene	7.510	77	371931	40.403	ng	100
25) Isophorone	7.745	82	648362	39.546	ng	100
26) 2-Nitrophenol	7.828	139	185255	41.084	ng	100
27) 2,4-Dimethylphenol	7.863	122	281983	40.116	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	402757	39.973	ng	100
29) 2,4-Dichlorophenol	8.075	162	301002	40.095	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	305107	39.529	ng	100
31) Naphthalene	8.234	128	984671	39.296	ng	100
32) Benzoic acid	7.981	122	151495	39.150	ng	100
33) 4-Chloroaniline	8.281	127	357854	40.237	ng	100
34) Hexachlorobutadiene	8.351	225	200199	39.756	ng	100
35) Caprolactam	8.651	113	73867	41.004	ng	100
36) 4-Chloro-3-methylphenol	8.763	107	300101	39.889	ng	100
37) 2-Methylnaphthalene	8.922	142	660885	39.489	ng	100
38) 1-Methylnaphthalene	9.022	142	629141	39.300	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	319789	39.526	ng	100
41) Hexachlorocyclopentadiene	9.081	237	112053	39.218	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	206042	41.387	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

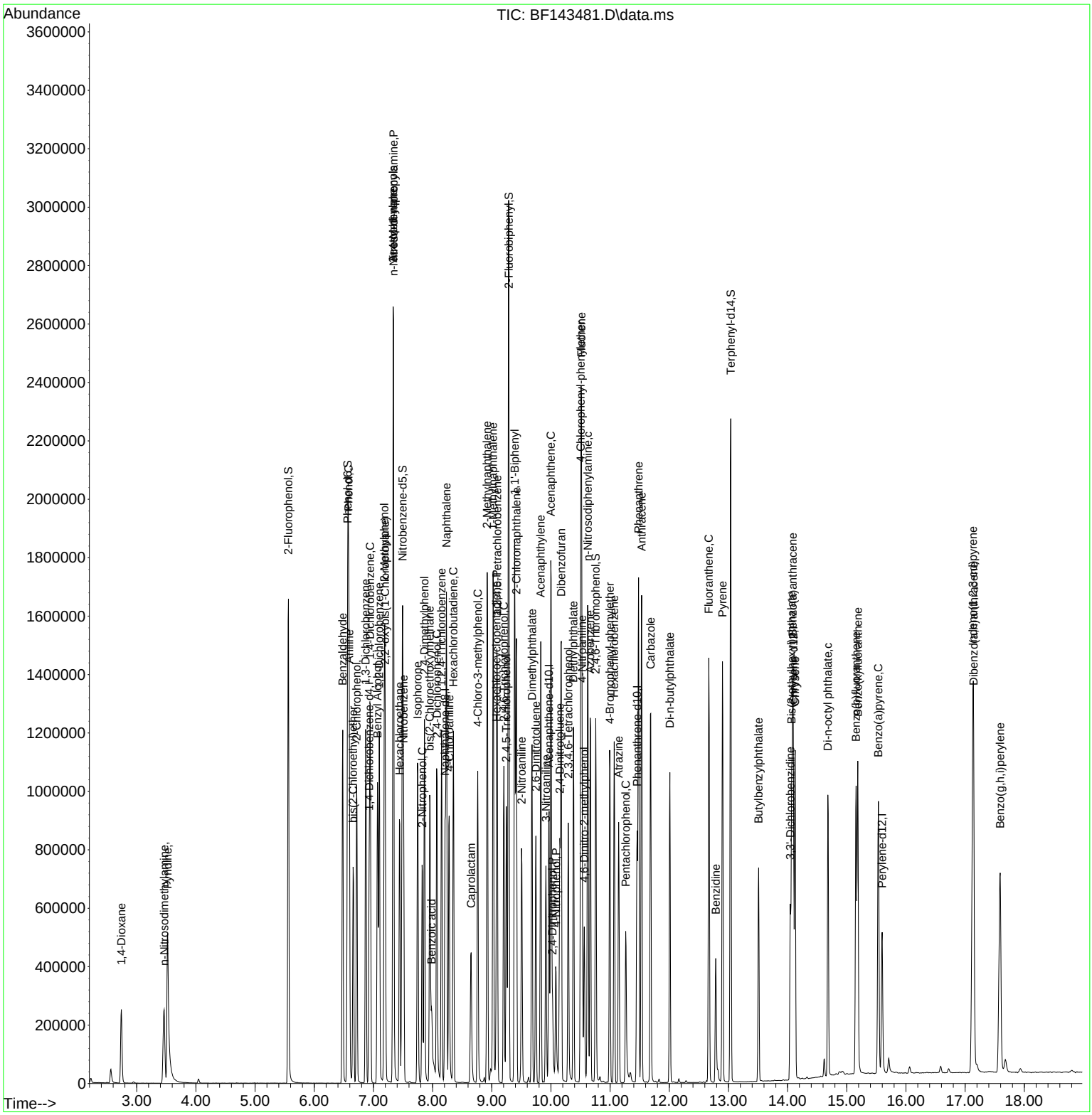
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	216152	39.748	ng	100
46) 1,1'-Biphenyl	9.386	154	791238	39.412	ng	100
47) 2-Chloronaphthalene	9.416	162	625355	39.699	ng	100
48) 2-Nitroaniline	9.504	65	190564	41.336	ng	100
49) Acenaphthylene	9.828	152	893624	39.620	ng	100
50) Dimethylphthalate	9.681	163	679389	39.881	ng	100
51) 2,6-Dinitrotoluene	9.745	165	146703	41.551	ng	100
52) Acenaphthene	9.998	154	608648	39.745	ng	100
53) 3-Nitroaniline	9.916	138	157042	41.163	ng	100
54) 2,4-Dinitrophenol	10.028	184	67793	38.822	ng	100
55) Dibenzofuran	10.175	168	861659	39.465	ng	100
56) 4-Nitrophenol	10.086	139	96926	42.699	ng	100
57) 2,4-Dinitrotoluene	10.151	165	198600	42.127	ng	100
58) Fluorene	10.516	166	654929	38.975	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	167834	41.542	ng	100
60) Diethylphthalate	10.380	149	613485	40.167	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	330692	39.350	ng	100
62) 4-Nitroaniline	10.528	138	145120	41.412	ng	100
63) Azobenzene	10.663	77	634664	40.076	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	103558	42.115	ng	100
66) n-Nitrosodiphenylamine	10.622	169	558998	39.830	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	210081	40.374	ng	100
68) Hexachlorobenzene	11.069	284	224294	39.989	ng	100
69) Atrazine	11.145	200	146499	40.437	ng	100
70) Pentachlorophenol	11.263	266	108200	42.121	ng	100
71) Phenanthrene	11.480	178	906136	38.800	ng	100
72) Anthracene	11.533	178	936575	39.587	ng	100
73) Carbazole	11.686	167	769702	39.704	ng	100
74) Di-n-butylphthalate	12.010	149	741021	40.975	ng	100
75) Fluoranthene	12.669	202	825200	39.378	ng	100
77) Benzidine	12.786	184	258175	42.403	ng	100
78) Pyrene	12.898	202	817477	39.759	ng	100
80) Butylbenzylphthalate	13.510	149	233397	41.552	ng	100
81) Benzo(a)anthracene	14.086	228	658804	40.938	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	186301	40.425	ng	100
83) Chrysene	14.127	228	556527	38.482	ng	100
84) Bis(2-ethylhexyl)phtha...	14.068	149	354779	41.471	ng	100
85) Di-n-octyl phthalate	14.680	149	649137	40.959	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	835150	40.334	ng	100
88) Benzo(b)fluoranthene	15.157	252	618677	38.627	ng	100
89) Benzo(k)fluoranthene	15.186	252	623043	40.628	ng	100
90) Benzo(a)pyrene	15.533	252	594623	39.996	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	669452	40.370	ng	100
92) Benzo(g,h,i)perylene	17.592	276	666442	40.417	ng	100

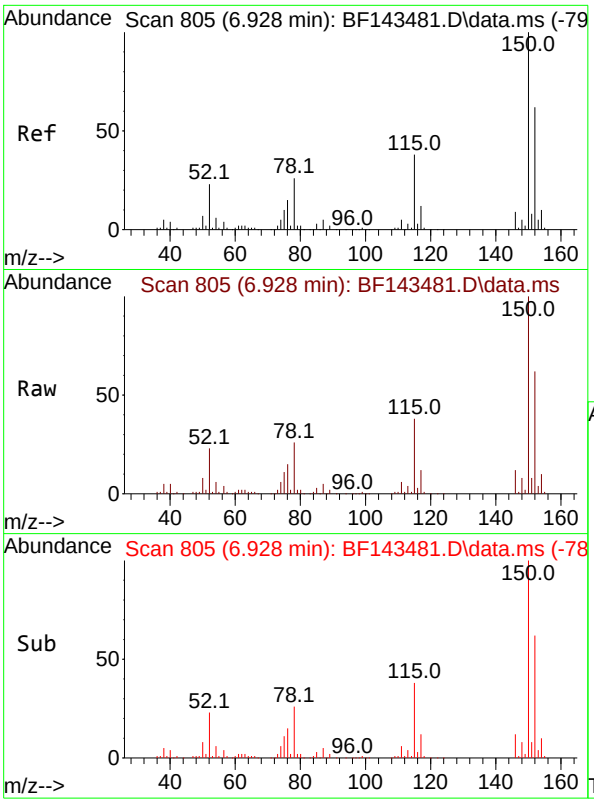
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143481.D
Acq On : 20 Aug 2025 12:53
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 20 16:23:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



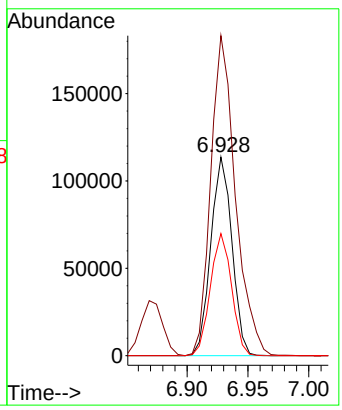


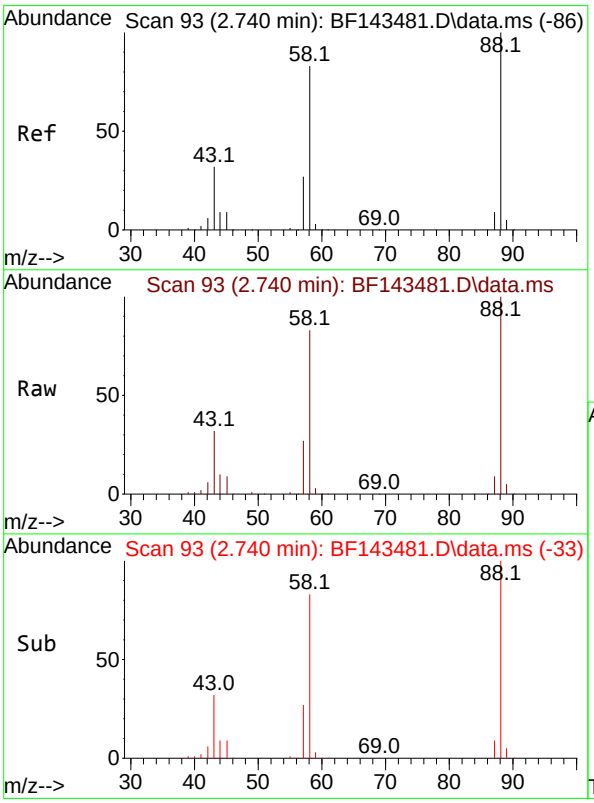
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 137770

Ion	Ratio	Lower	Upper
152	100		
150	161.1	128.9	193.3
115	61.5	49.2	73.8

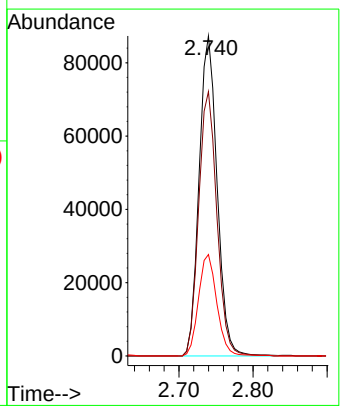


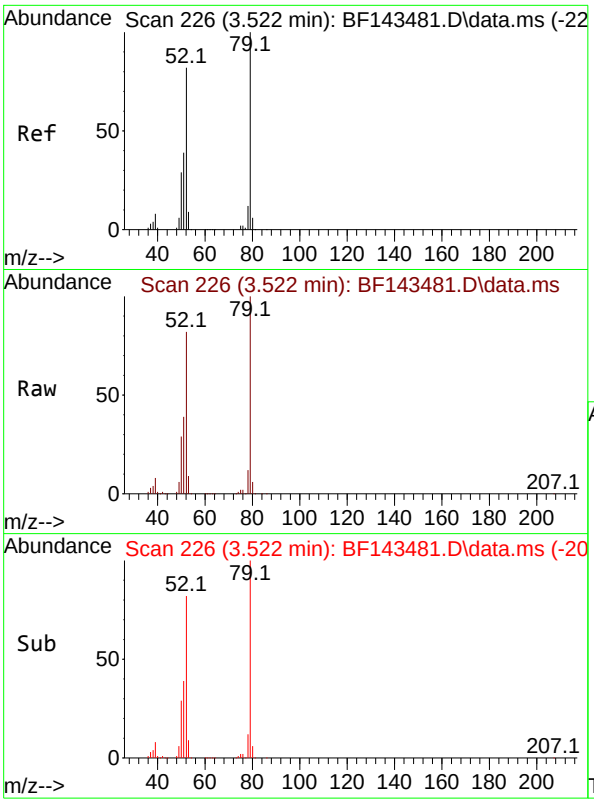


#2
1,4-Dioxane
Concen: 40.387 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 88 Resp: 147614

Ion	Ratio	Lower	Upper
88	100		
58	83.4	66.7	100.1
43	32.3	25.8	38.8



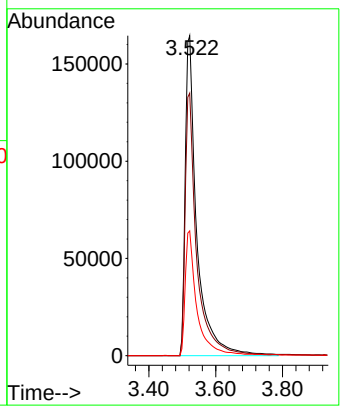


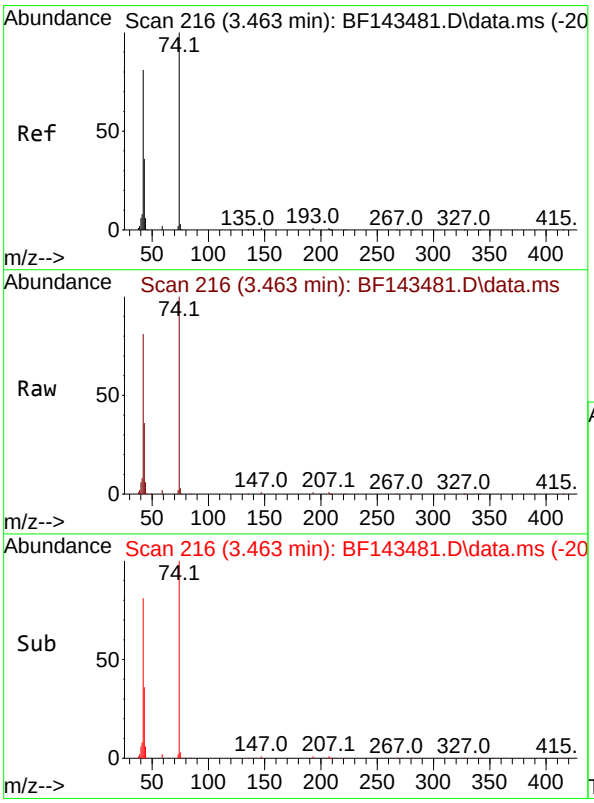
#3
Pyridine
Concen: 40.700 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 396205

Ion	Ratio	Lower	Upper
79	100		
52	82.0	65.6	98.4
51	39.0	31.2	46.8

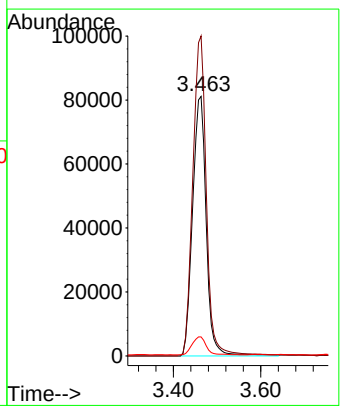


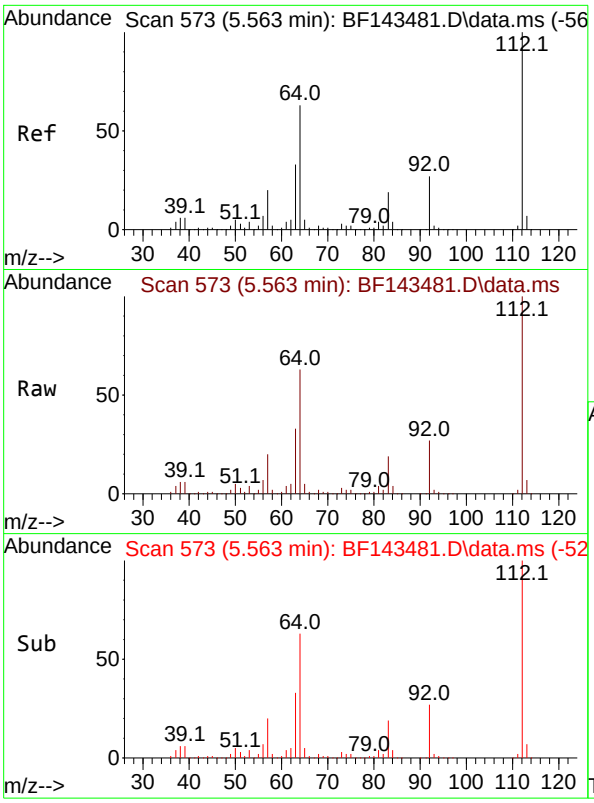


#4
n-Nitrosodimethylamine
Concen: 40.383 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 42 Resp: 176726

Ion	Ratio	Lower	Upper
42	100		
74	123.3	98.6	148.0
44	7.3	5.8	8.8



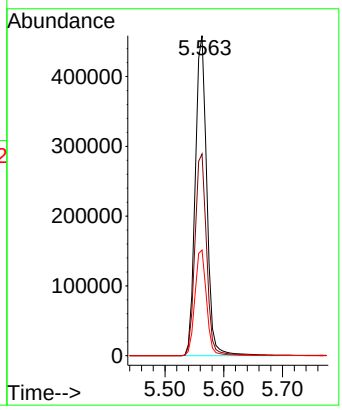


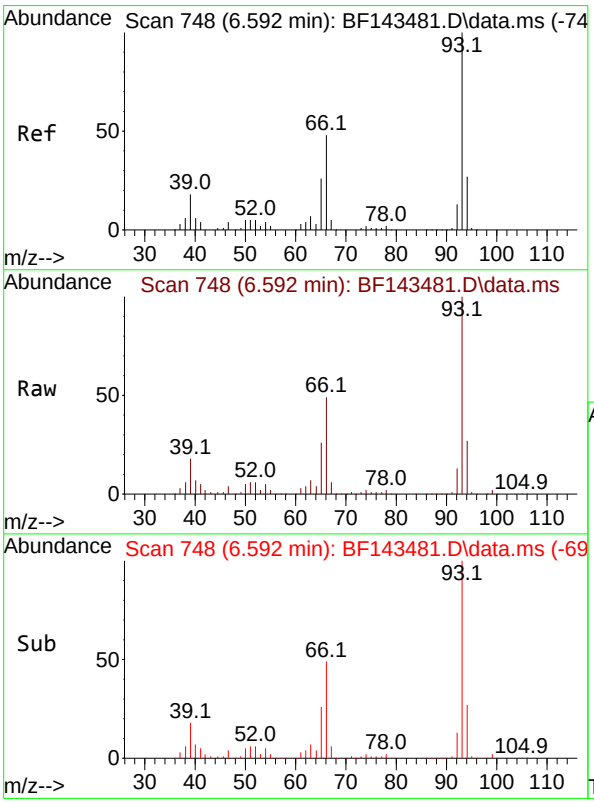
#5
2-Fluorophenol
Concen: 79.519 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 627397

Ion	Ratio	Lower	Upper
112	100		
64	63.0	50.4	75.6
63	33.0	26.4	39.6

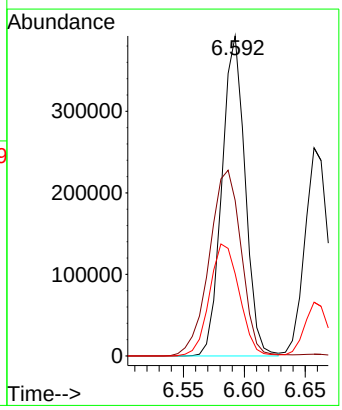


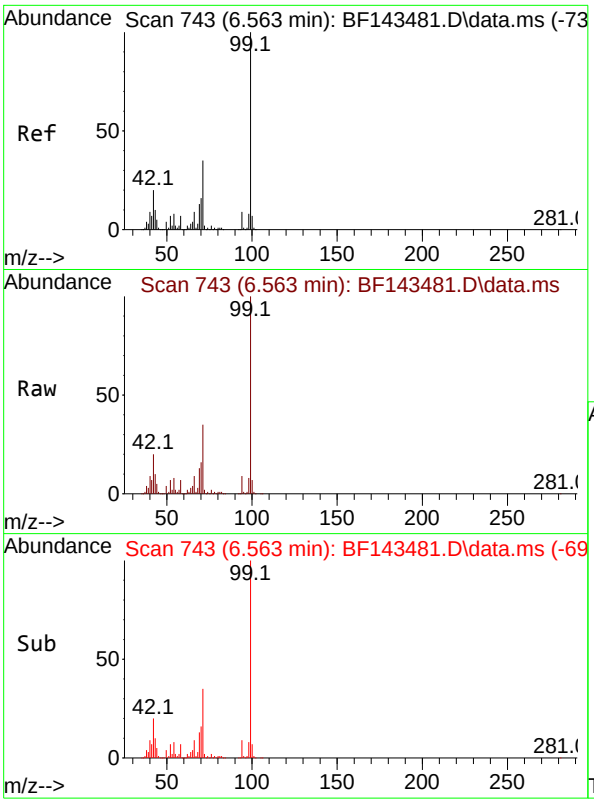


#6
Aniline
Concen: 40.010 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 93 Resp: 520870

Ion	Ratio	Lower	Upper
93	100		
66	48.6	38.9	58.3
65	25.7	20.6	30.8



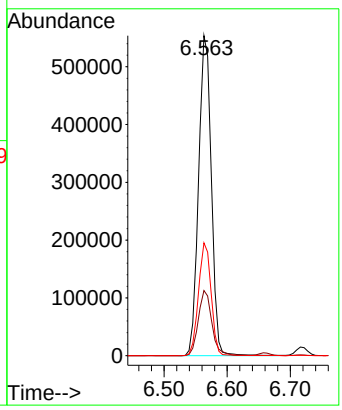


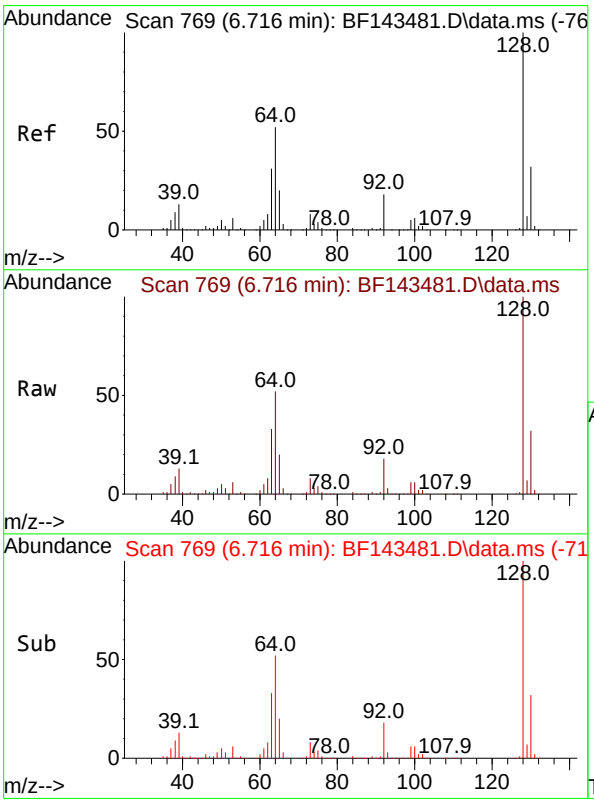
#7
Phenol-d6
Concen: 79.600 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 775270

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.3	24.5
71	35.2	28.2	42.2

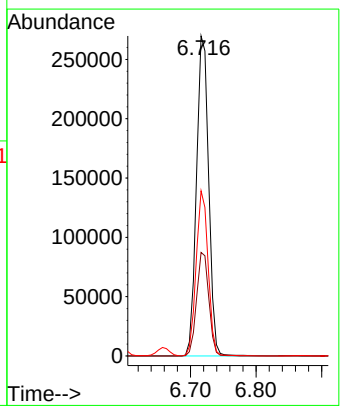


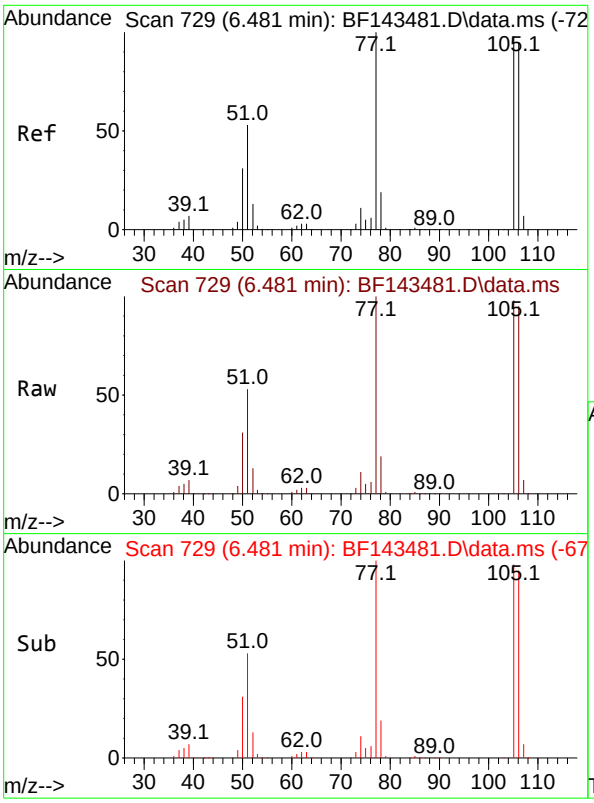


#8
2-Chlorophenol
Concen: 40.086 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:128 Resp: 349331

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.4	52.4
64	51.6	31.6	71.6



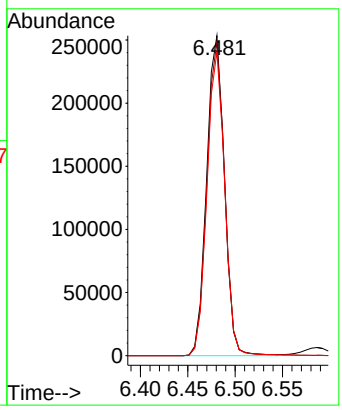


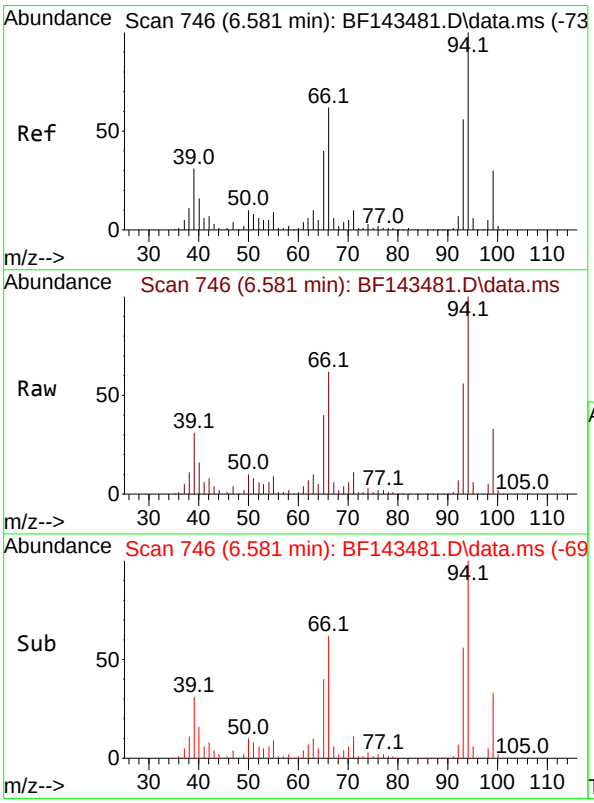
#9
Benzaldehyde
Concen: 41.929 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 330624

Ion	Ratio	Lower	Upper
77	100		
105	98.1	78.1	118.1
106	94.9	74.9	114.9

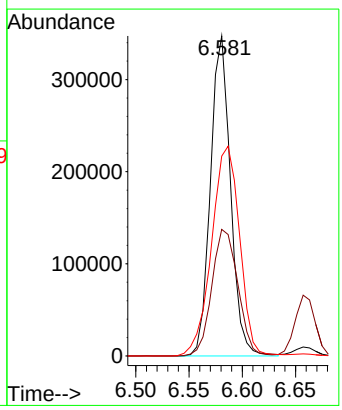


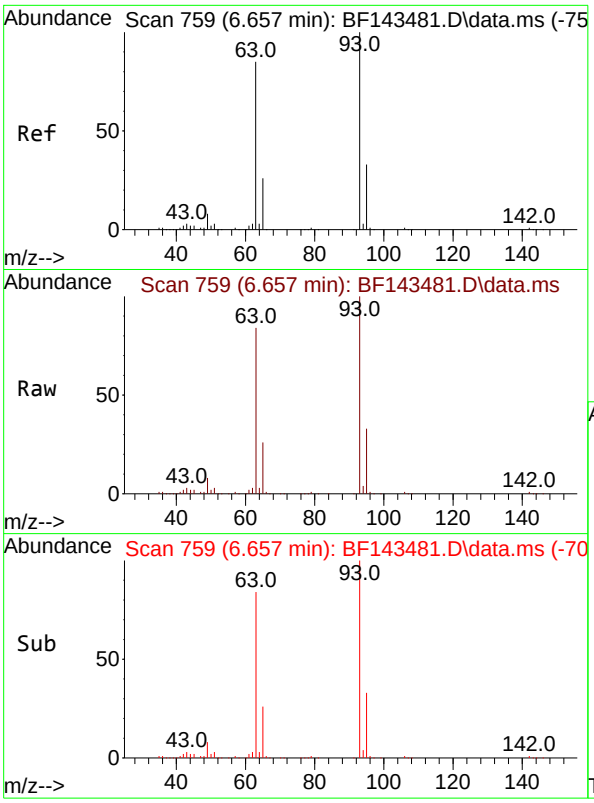


#10
Phenol
Concen: 40.419 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 94 Resp: 453508

Ion	Ratio	Lower	Upper
94	100		
65	39.5	19.5	59.5
66	62.5	42.5	82.5



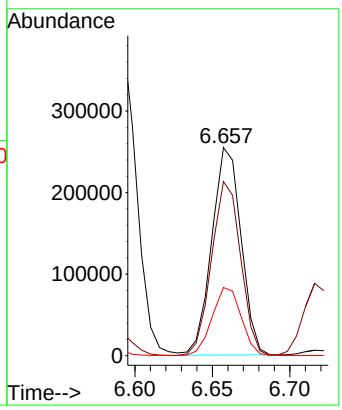


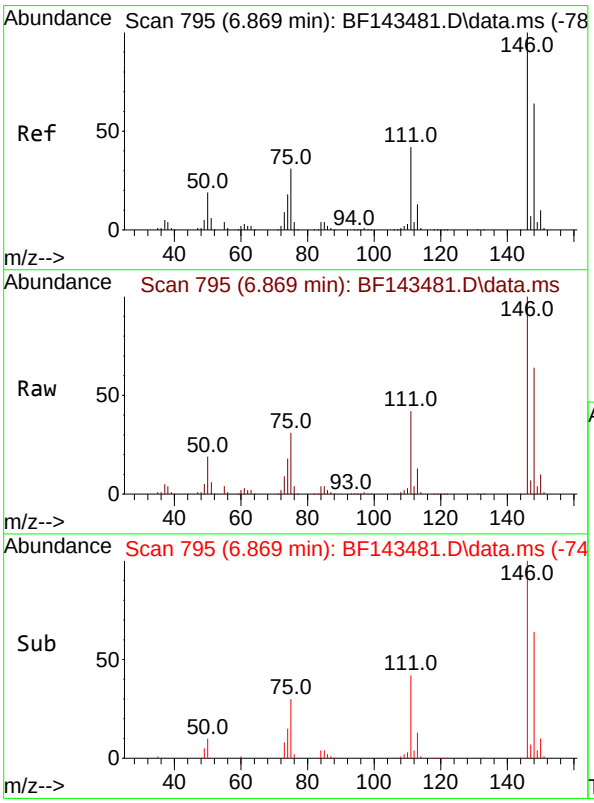
#11
bis(2-Chloroethyl)ether
Concen: 39.862 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 334229

Ion	Ratio	Lower	Upper
93	100		
63	83.6	63.6	103.6
95	32.8	12.8	52.8

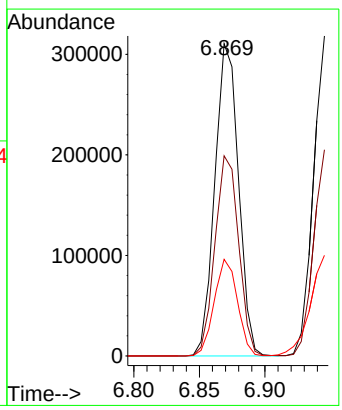


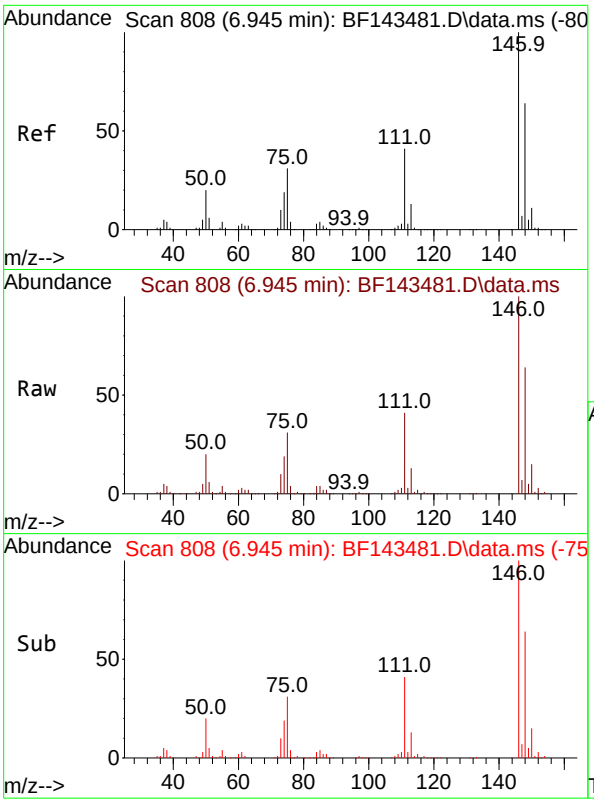


#12
1,3-Dichlorobenzene
Concen: 39.778 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:146 Resp: 389485

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	30.9	24.7	37.1



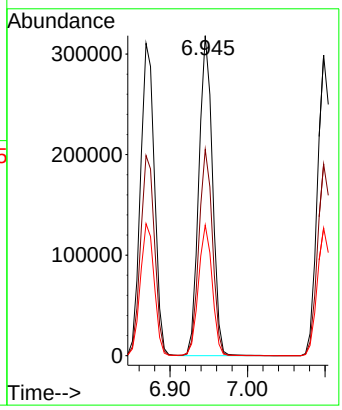


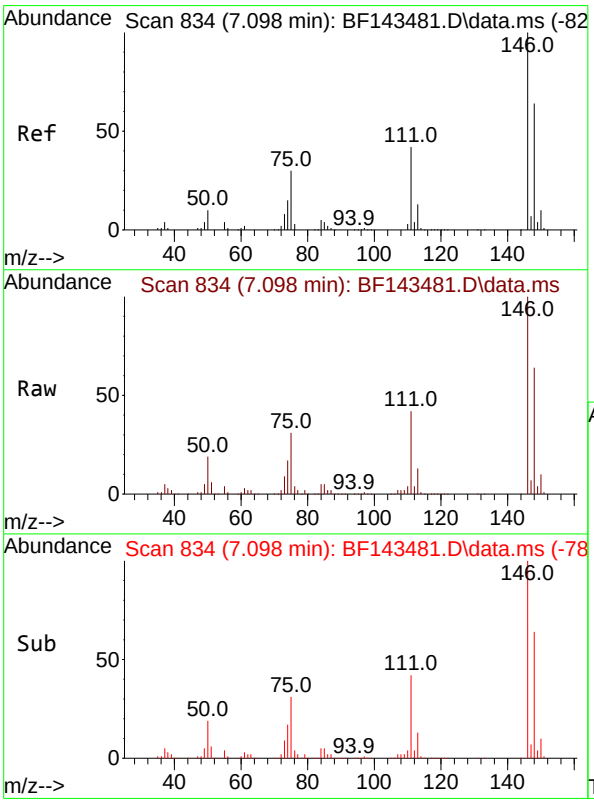
#13
1,4-Dichlorobenzene
Concen: 39.581 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 388762

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	40.8	32.6	49.0

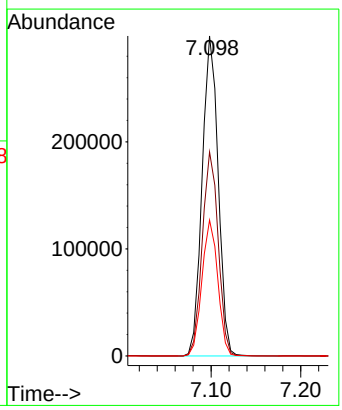


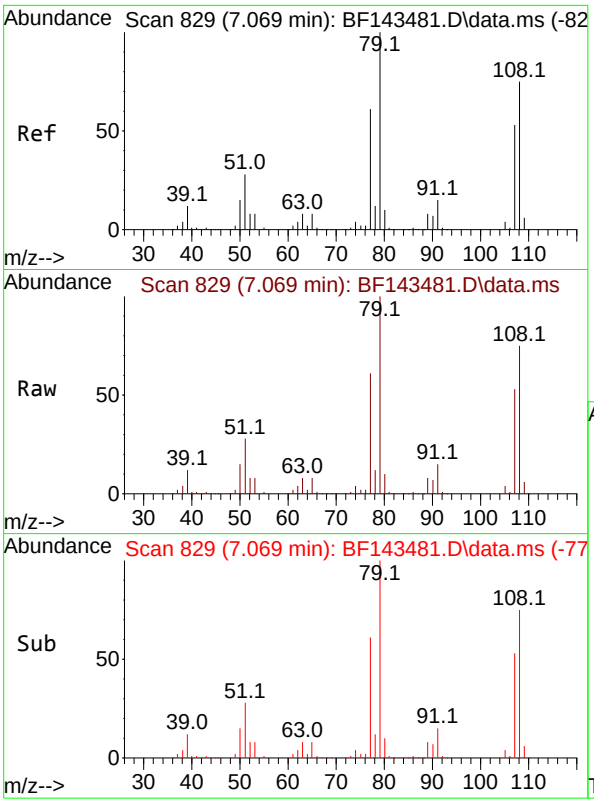


#14
1,2-Dichlorobenzene
Concen: 39.943 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:146 Resp: 371439

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	42.5	34.0	51.0



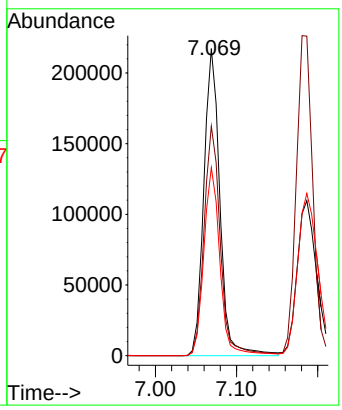


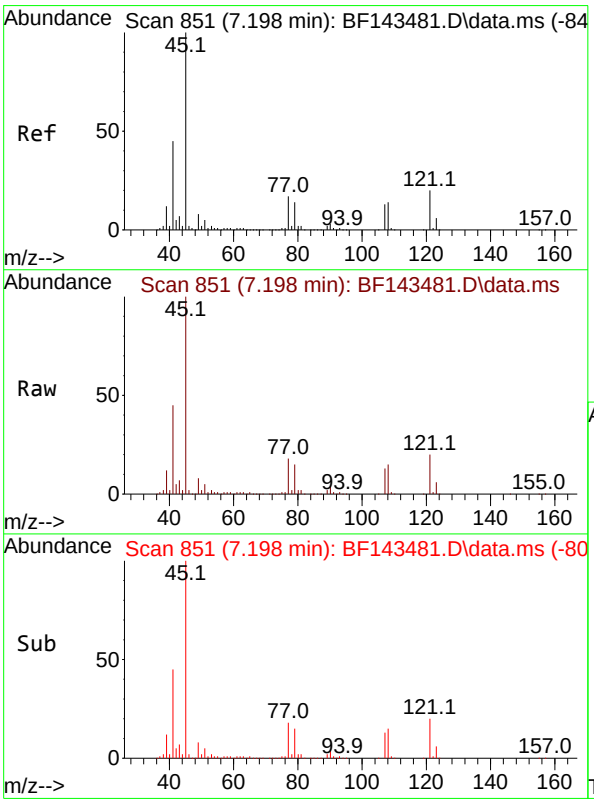
#15
Benzyl Alcohol
Concen: 40.916 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 298360

Ion	Ratio	Lower	Upper
79	100		
108	74.7	59.8	89.6
77	61.2	49.0	73.4

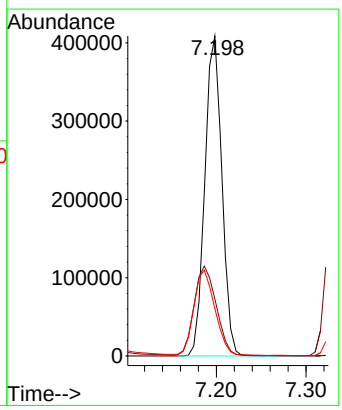


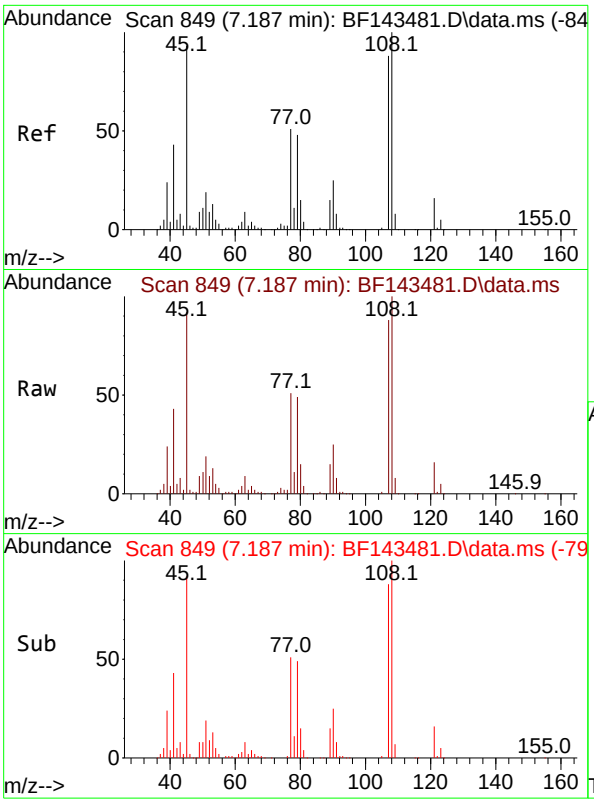


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.131 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 45 Resp: 538319

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.9
79	14.7	0.0	34.7



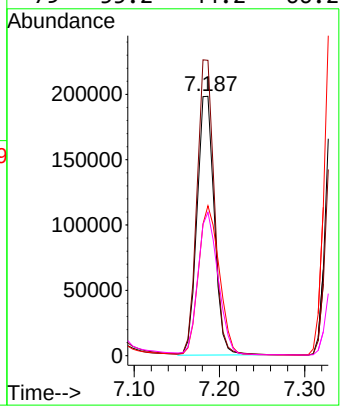


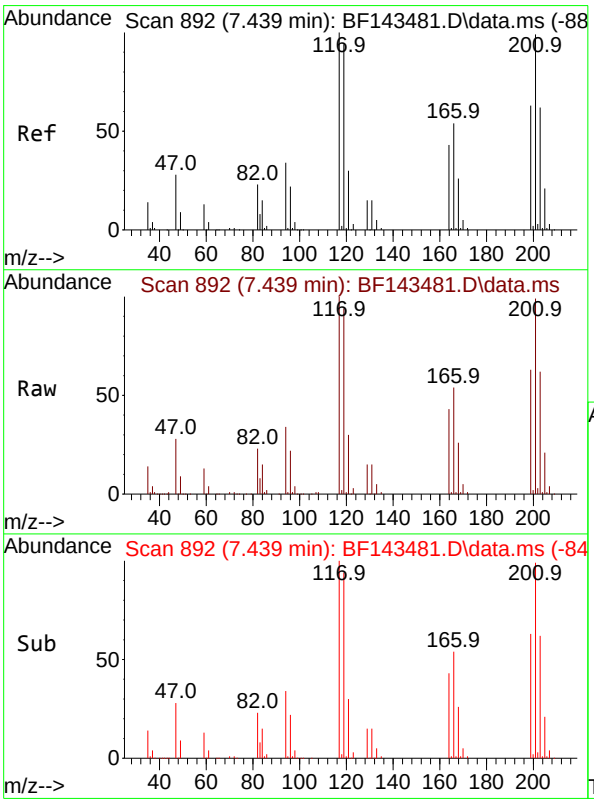
#17
2-Methylphenol
Concen: 39.844 ng
RT: 7.187 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 278676

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	57.8	46.2	69.4
79	55.2	44.2	66.2

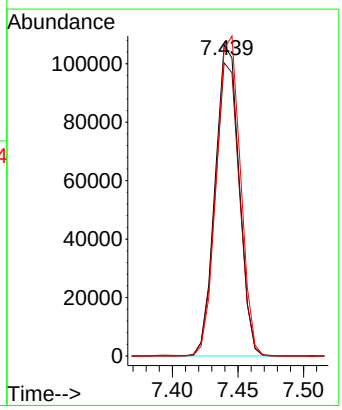


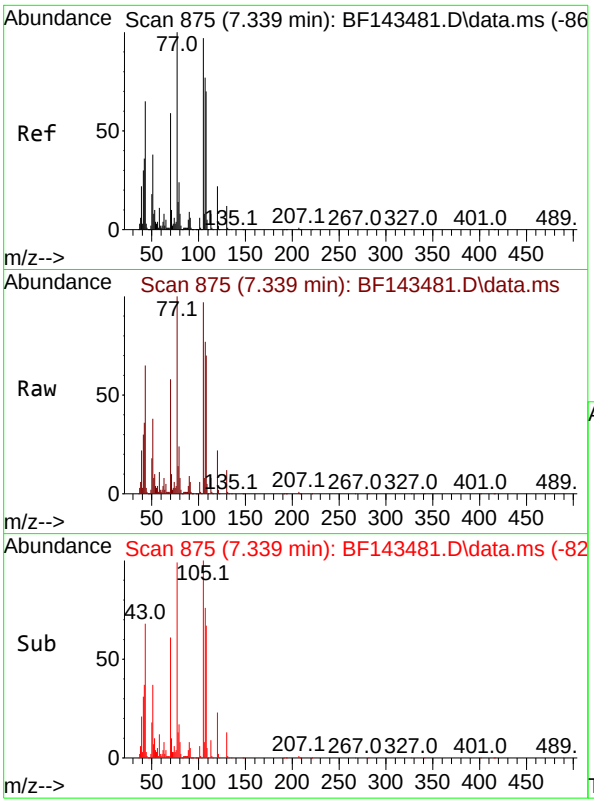


#18
Hexachloroethane
Concen: 40.503 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:117 Resp: 135258

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	98.7	79.0	118.4



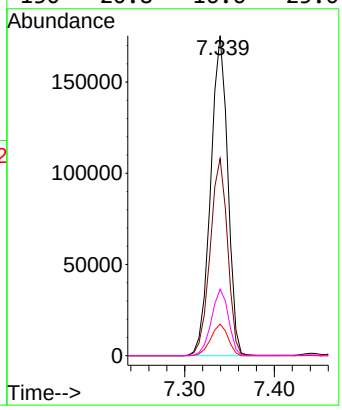


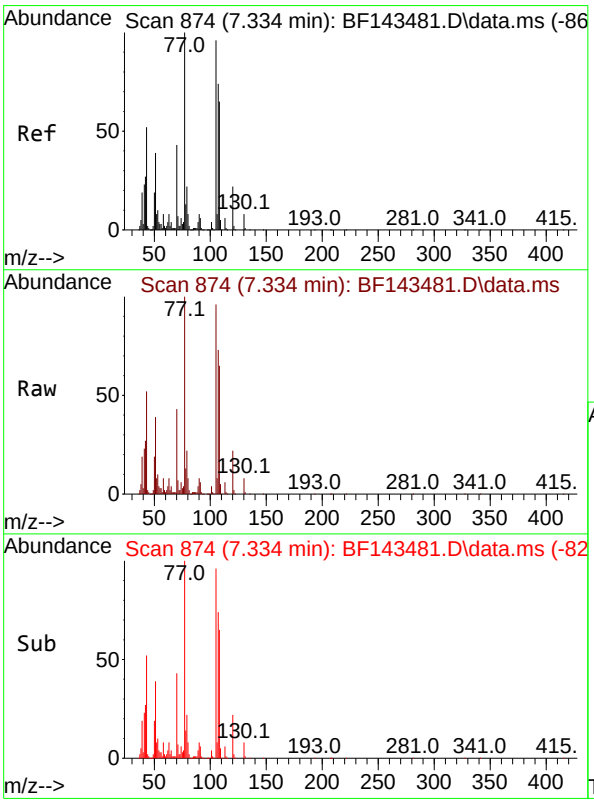
#19
n-Nitroso-di-n-propylamine
Concen: 39.076 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 232621

Ion	Ratio	Lower	Upper
70	100		
42	61.6	49.3	73.9
101	9.8	7.8	11.8
130	20.8	16.6	25.0

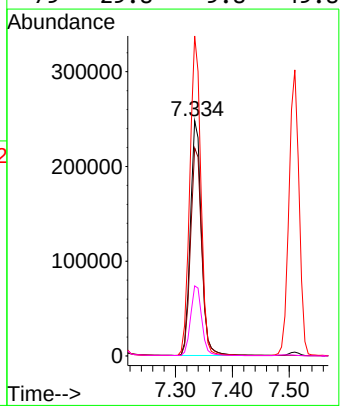


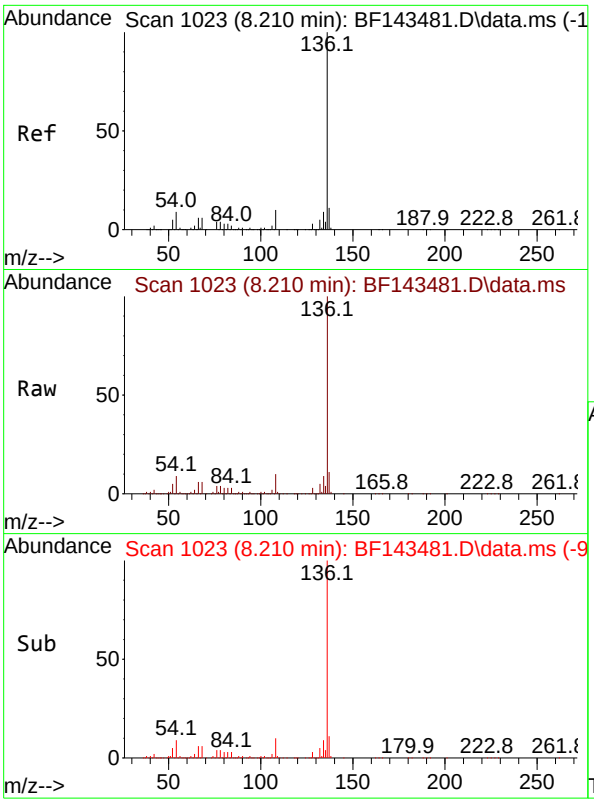


#20
3+4-Methylphenols
Concen: 40.179 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:107 Resp: 335474

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	136.1	116.1	156.1
79	29.8	9.8	49.8



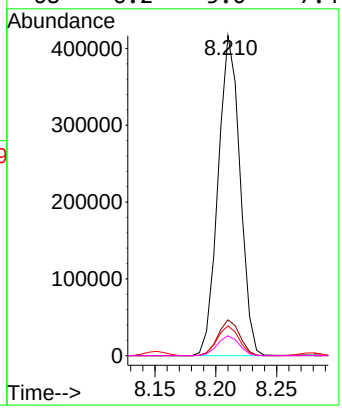


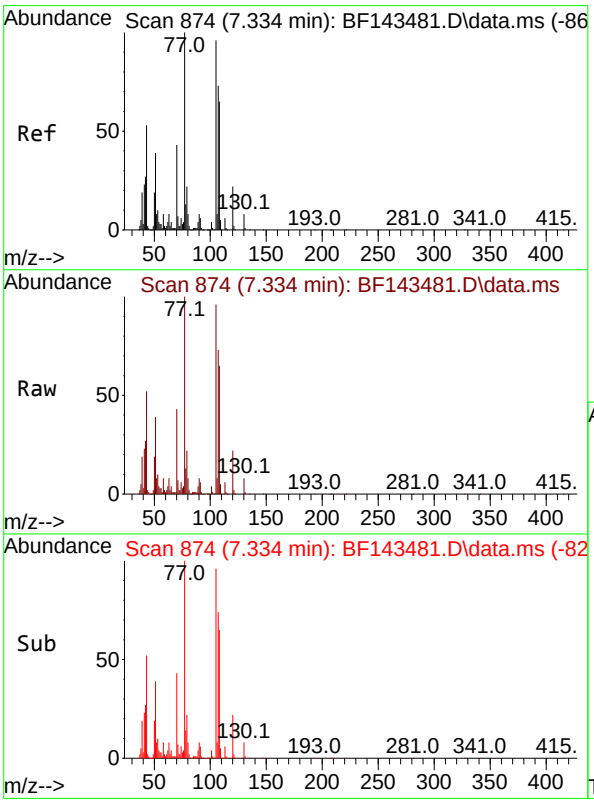
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 521928

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.3	7.4	11.2
68	6.2	5.0	7.4

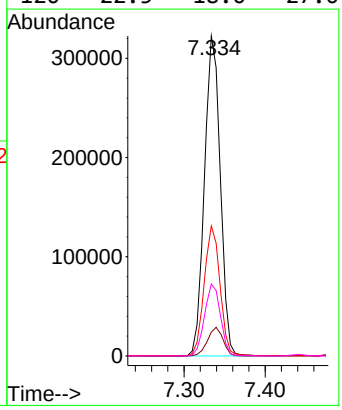


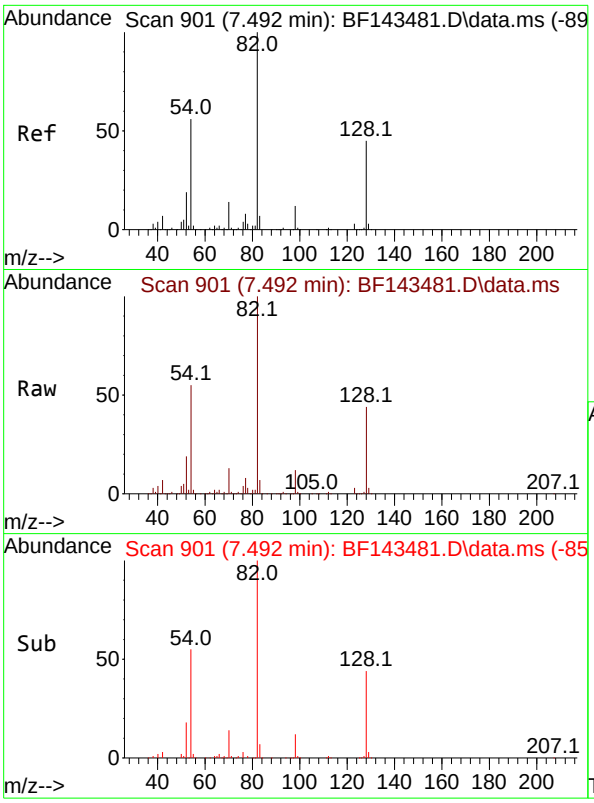


#22
Acetophenone
Concen: 38.728 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:105 Resp: 436693

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.9	8.9
51	40.6	32.5	48.7
120	22.5	18.0	27.0



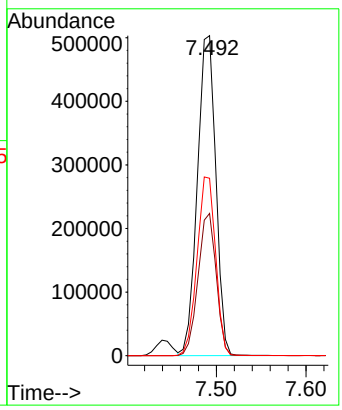


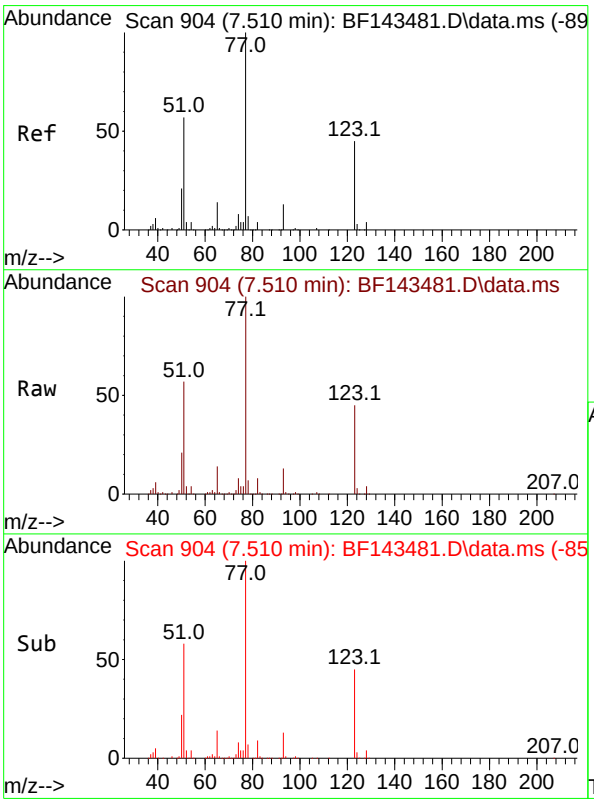
#23
Nitrobenzene-d5
Concen: 80.266 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 717900

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.5	53.3
54	55.4	44.3	66.5

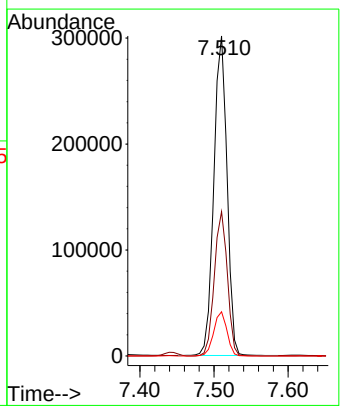


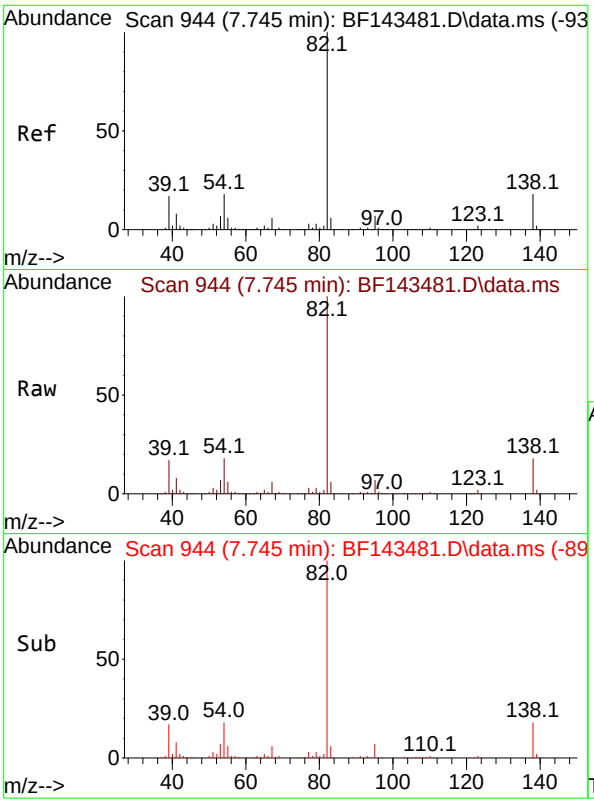


#24
Nitrobenzene
Concen: 40.403 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 77 Resp: 371931

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.1	54.1
65	13.8	11.0	16.6



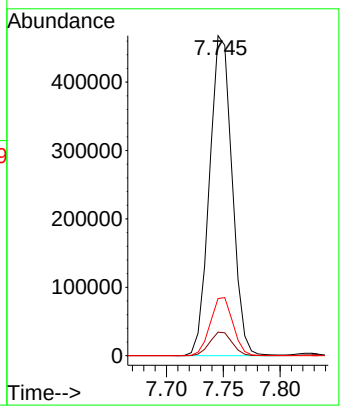


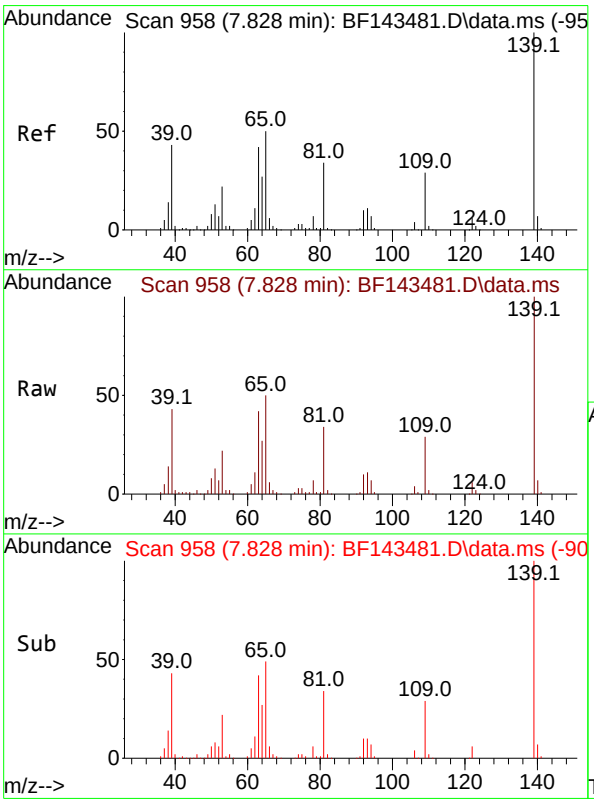
#25
Isophorone
Concen: 39.546 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 648362

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.8	14.2	21.4

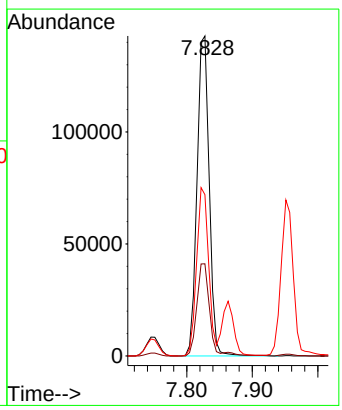


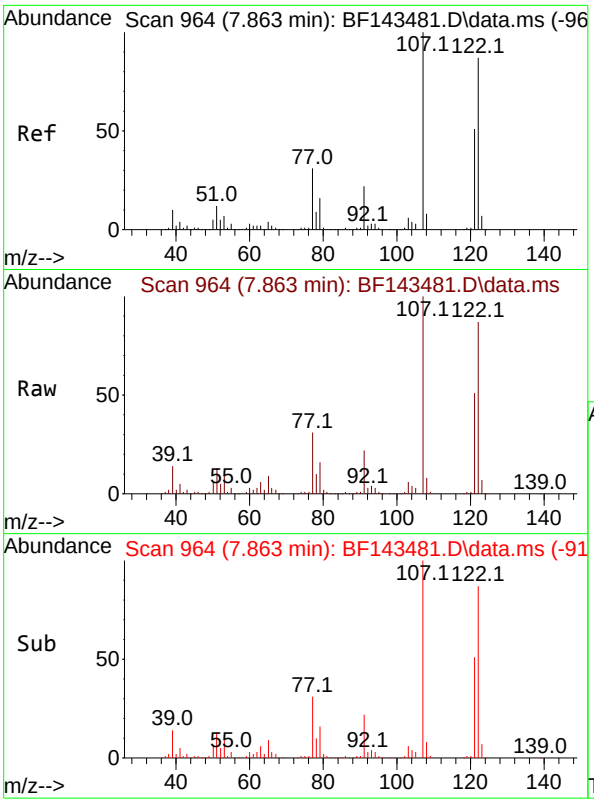


#26
2-Nitrophenol
Concen: 41.084 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:139 Resp: 185255

Ion	Ratio	Lower	Upper
139	100		
109	28.8	23.0	34.6
65	50.4	40.3	60.5



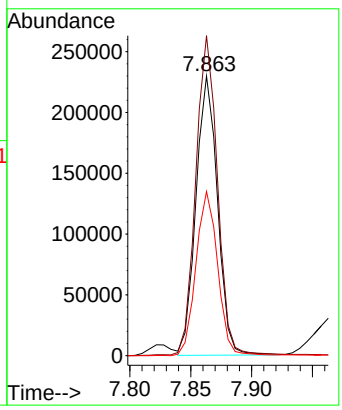


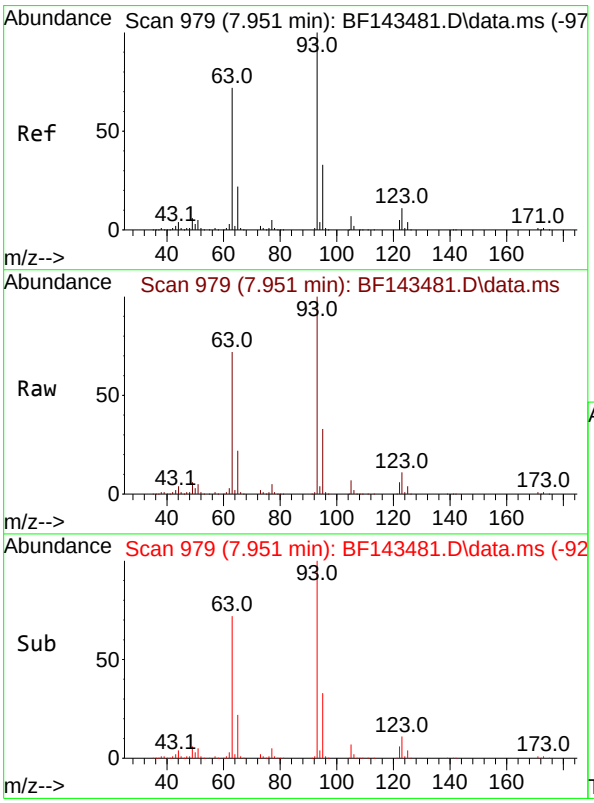
#27
2,4-Dimethylphenol
Concen: 40.116 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 281983

Ion	Ratio	Lower	Upper
122	100		
107	114.4	91.5	137.3
121	58.7	47.0	70.4

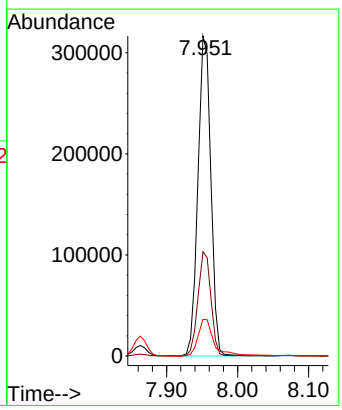


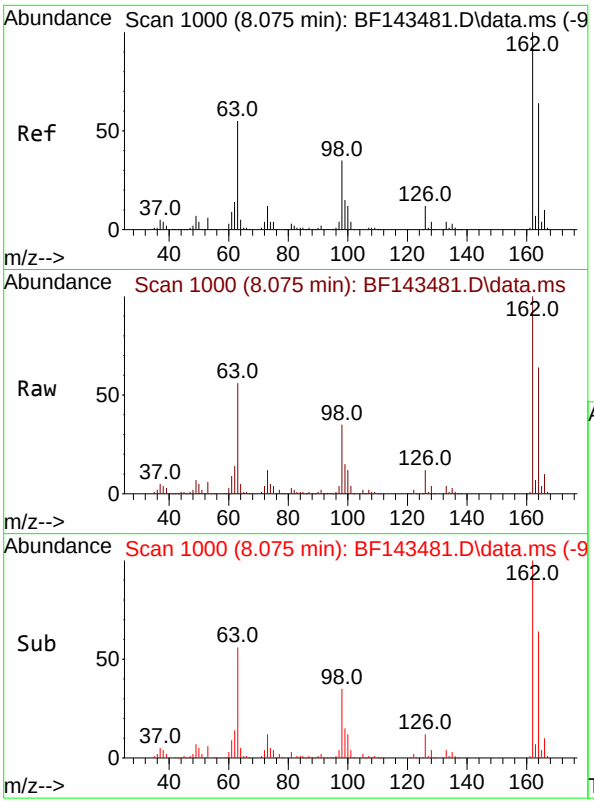


#28
bis(2-Chloroethoxy)methane
Concen: 39.973 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 93 Resp: 402757

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.4	9.1	13.7



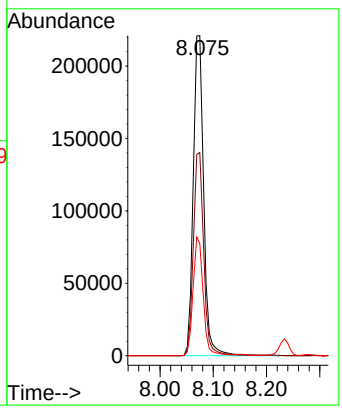


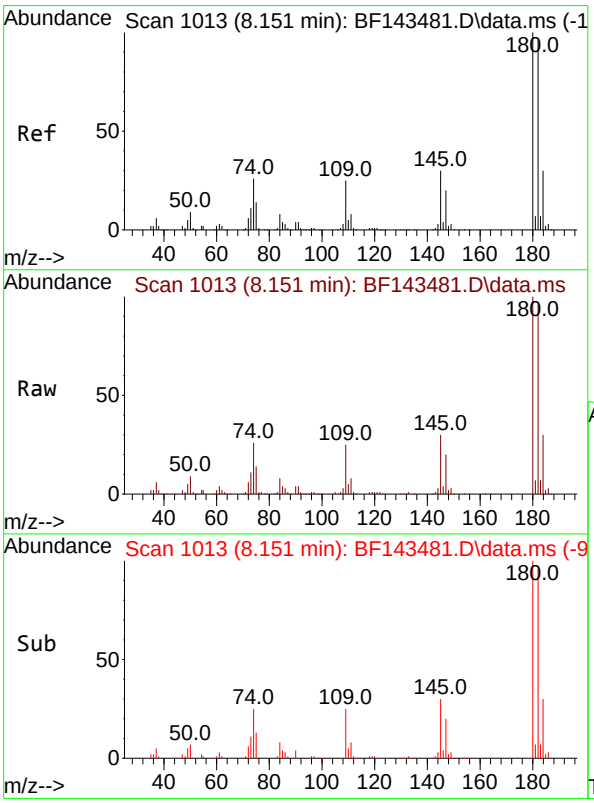
#29
2,4-Dichlorophenol
Concen: 40.095 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 301002

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.5	83.5
98	35.1	15.1	55.1

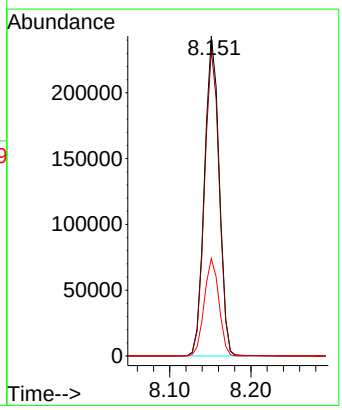


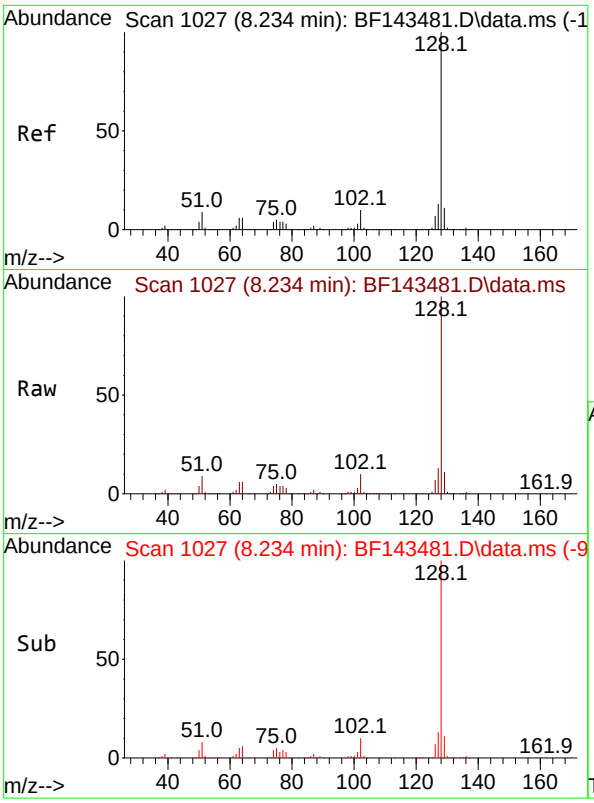


#30
1,2,4-Trichlorobenzene
Concen: 39.529 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:180 Resp: 305107

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	30.4	24.3	36.5



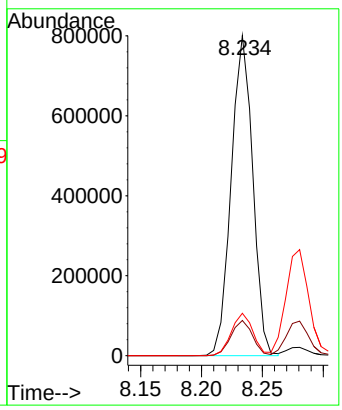


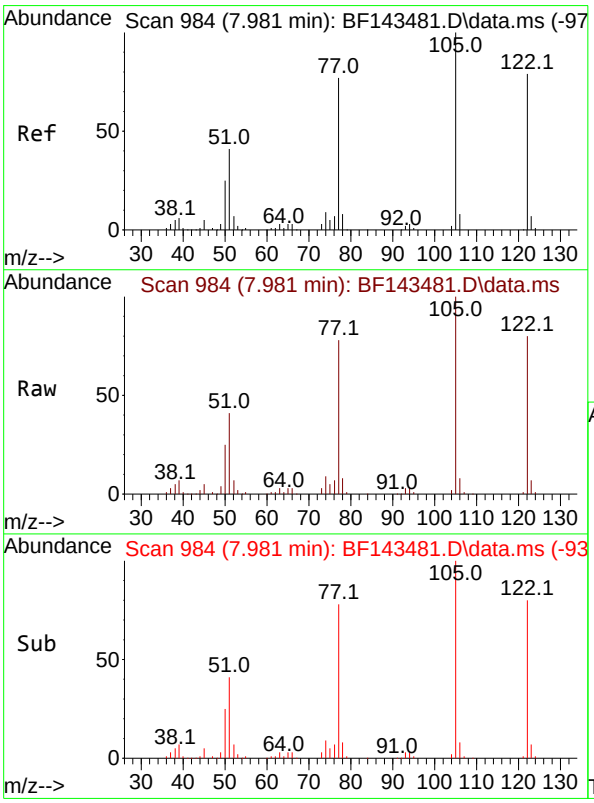
#31
Naphthalene
Concen: 39.296 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 984671

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.6	16.0

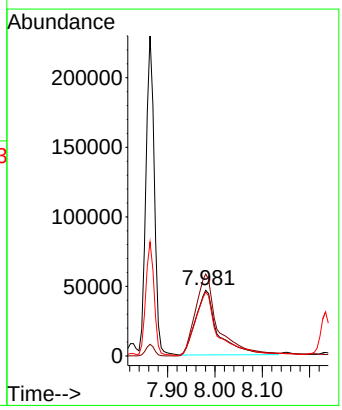


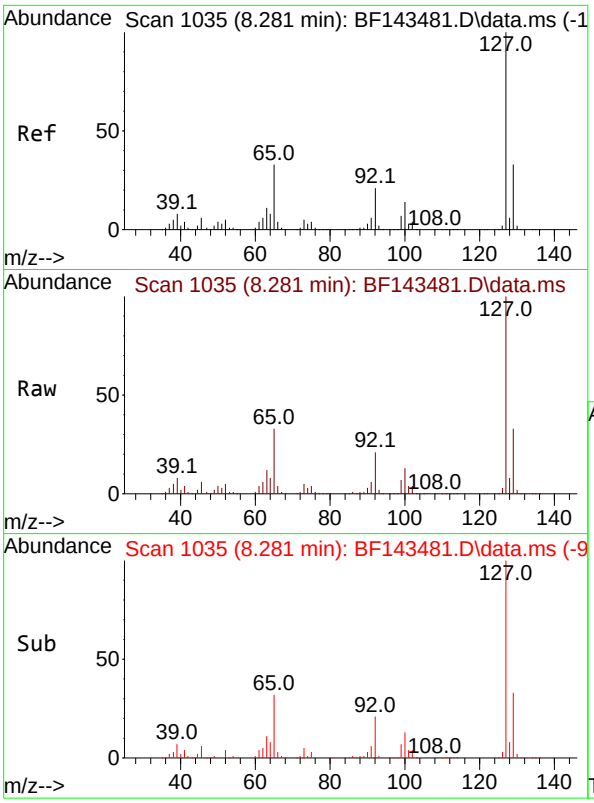


#32
Benzoic acid
Concen: 39.150 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.029 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:122 Resp: 151495

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.7	144.7
77	97.3	77.3	117.3



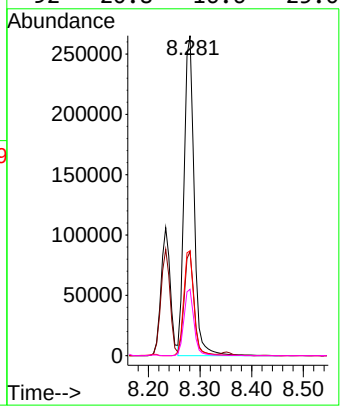


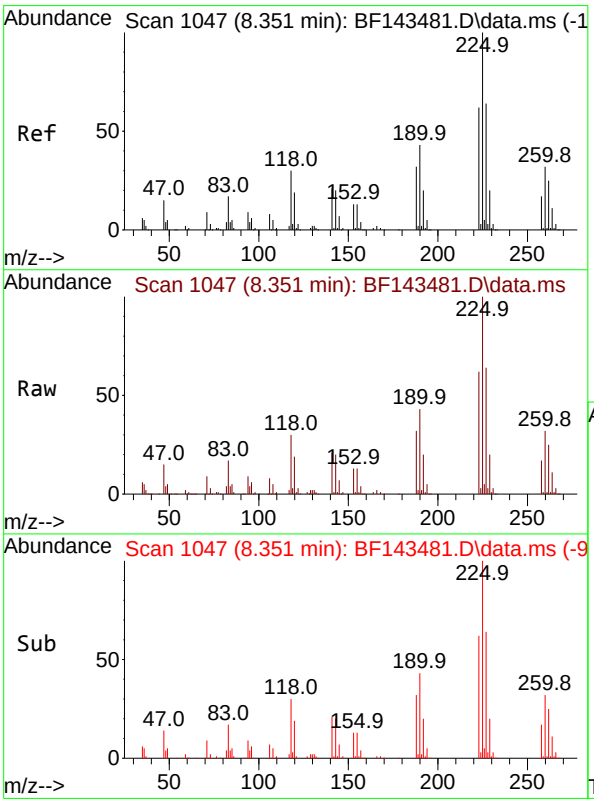
#33
4-Chloroaniline
Concen: 40.237 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 357854

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.7	26.2	39.2
92	20.8	16.6	25.0

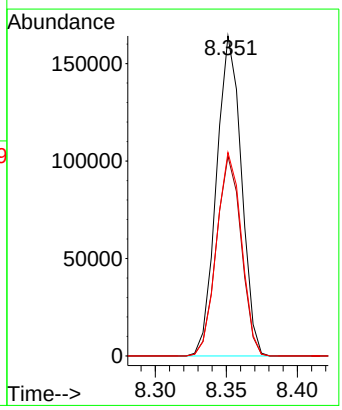


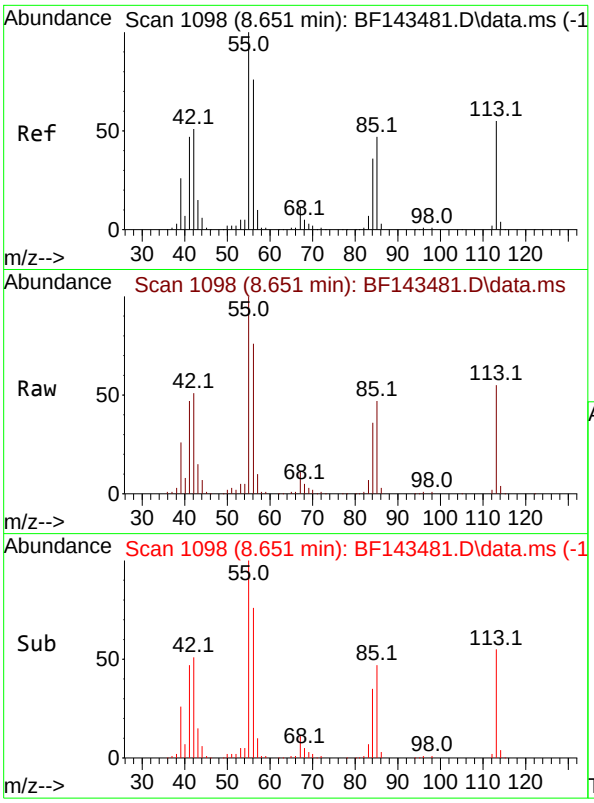


#34
Hexachlorobutadiene
Concen: 39.756 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:225 Resp: 200199

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	63.6	50.9	76.3



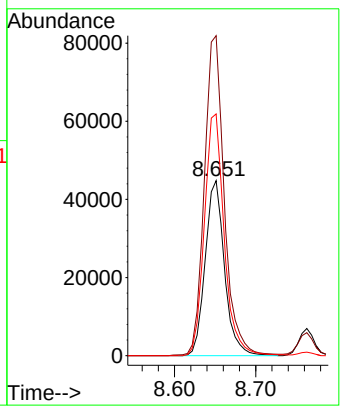


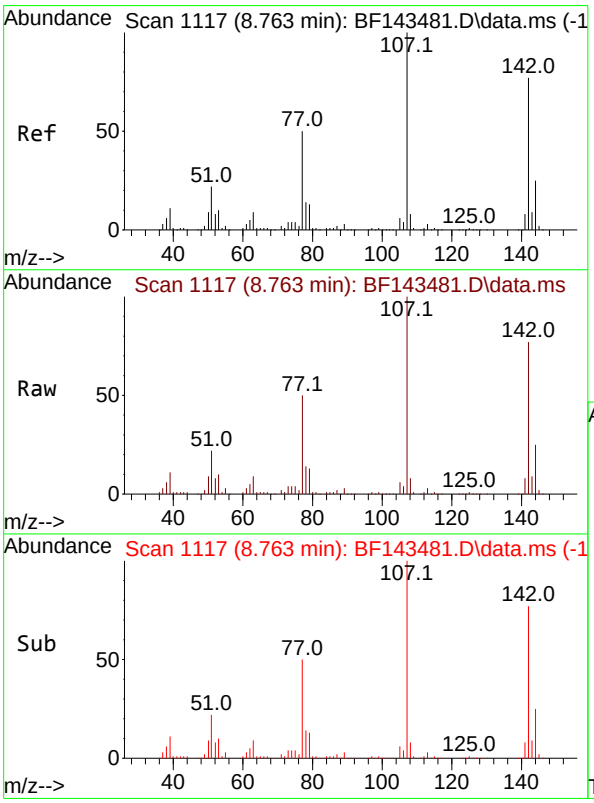
#35
Caprolactam
Concen: 41.004 ng
RT: 8.651 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 73867

Ion	Ratio	Lower	Upper
113	100		
55	182.8	162.8	202.8
56	138.1	118.1	158.1

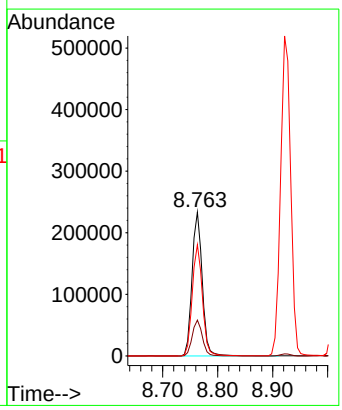


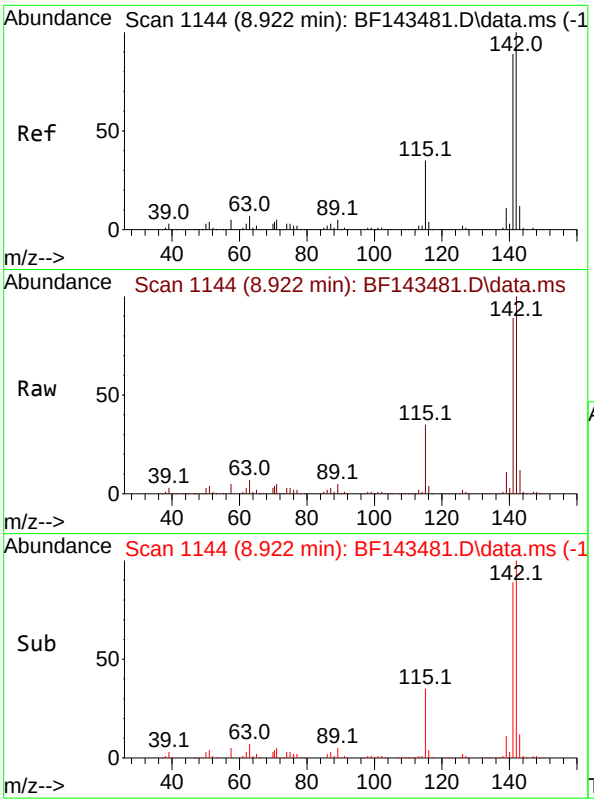


#36
4-Chloro-3-methylphenol
Concen: 39.889 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:107 Resp: 300101

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	77.3	61.8	92.8



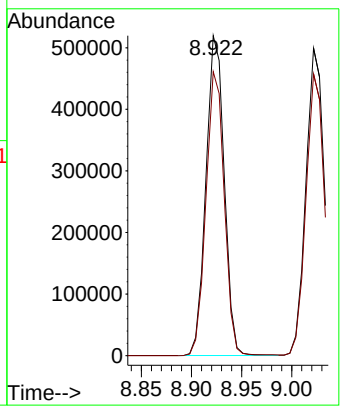


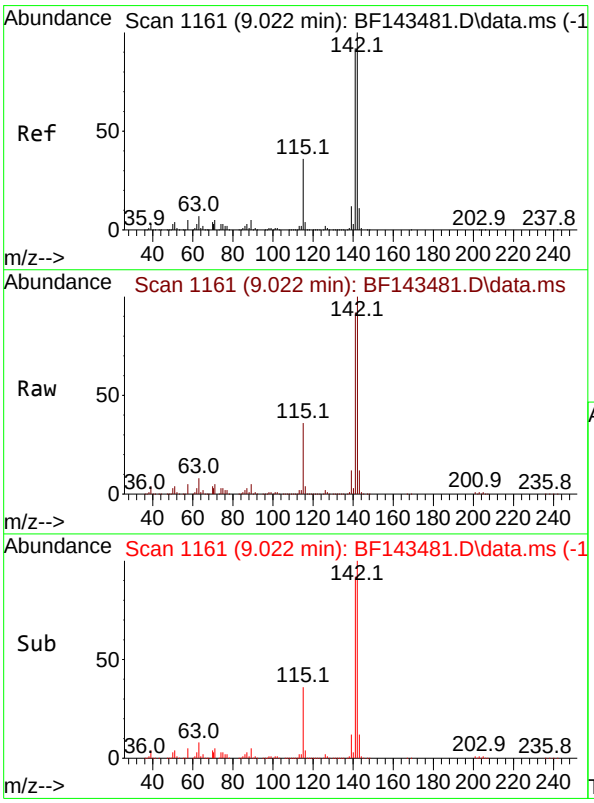
#37
2-Methylnaphthalene
Concen: 39.489 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 660885

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.4

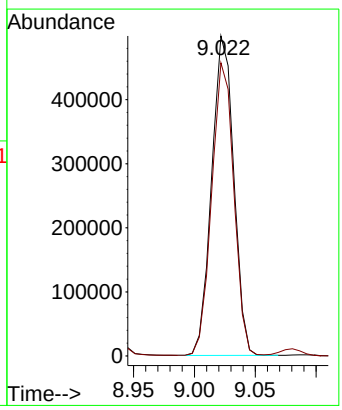


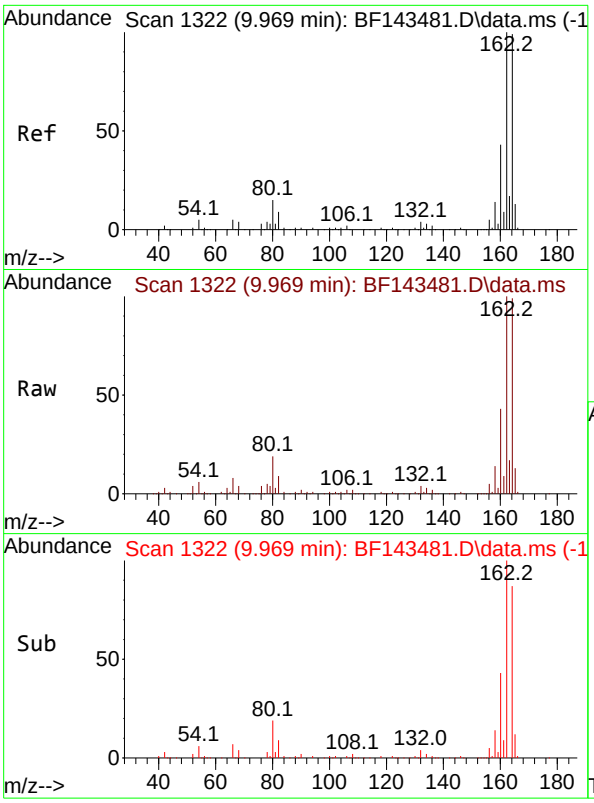


#38
1-Methylnaphthalene
Concen: 39.300 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:142 Resp: 629141

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9



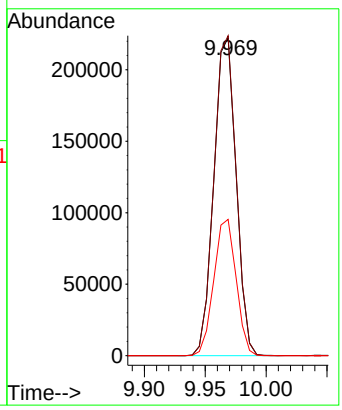


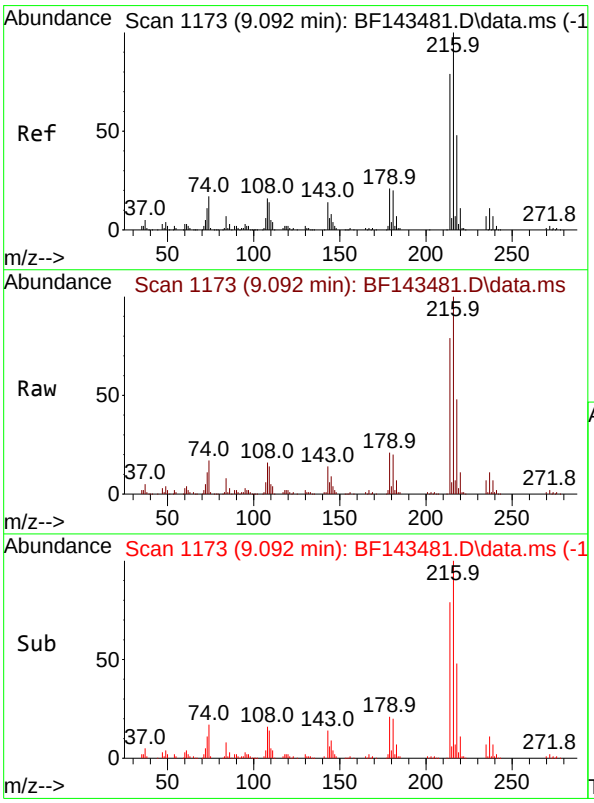
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 282852

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.5	120.7
160	42.9	34.3	51.5

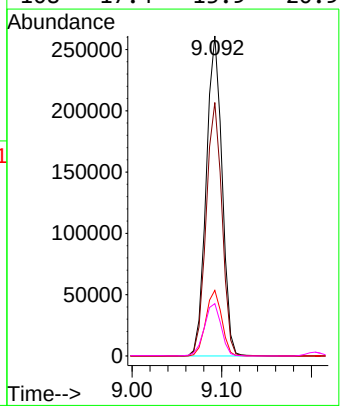


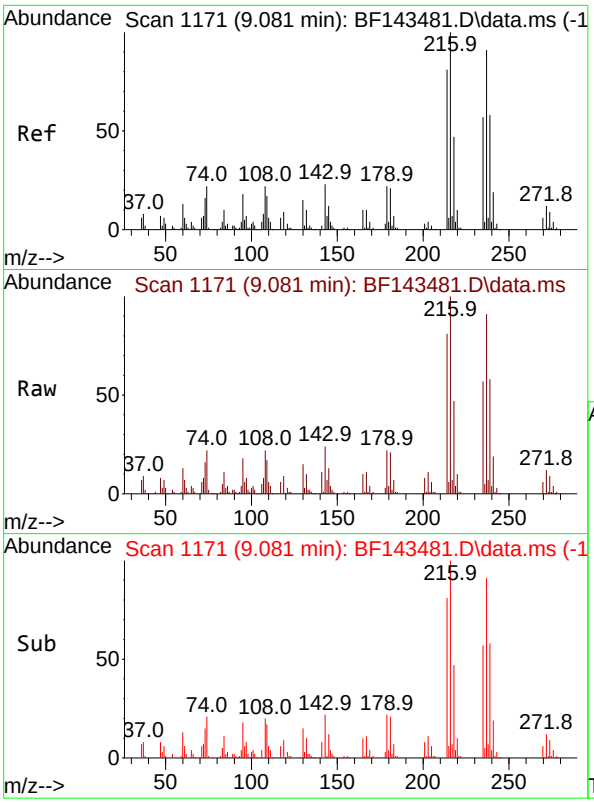


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.526 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:216 Resp: 319789

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.4	95.0
179	20.6	16.5	24.7
108	17.4	13.9	20.9



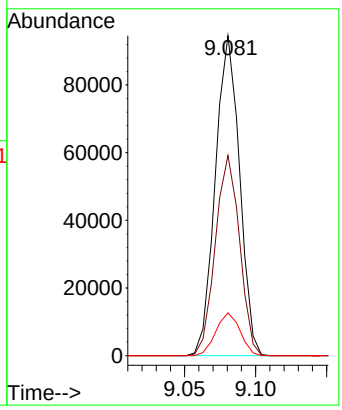


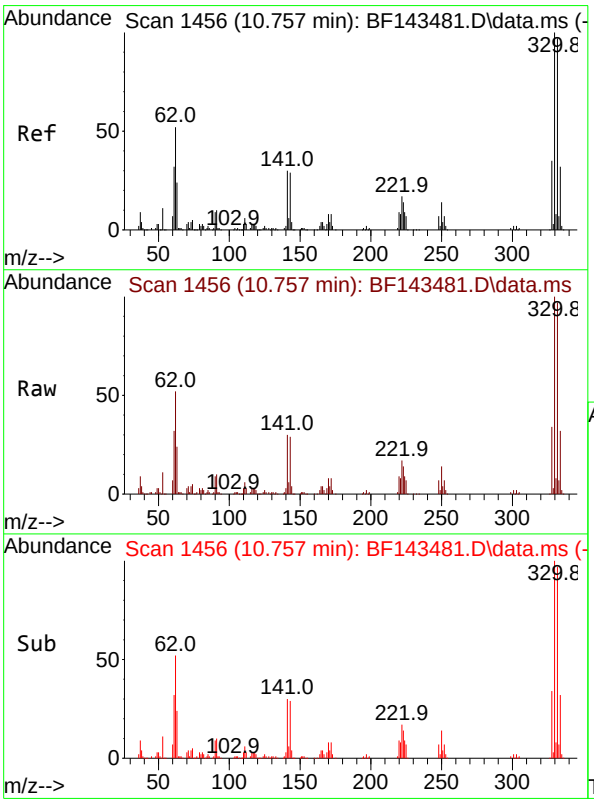
#41
Hexachlorocyclopentadiene
Concen: 39.218 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 112053

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.6	82.6
272	13.4	0.0	33.4

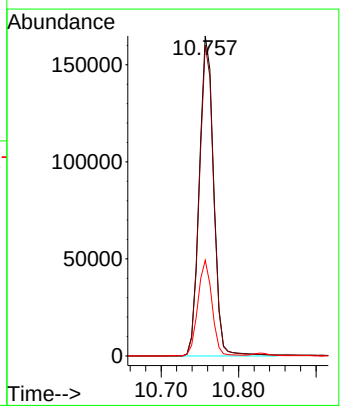


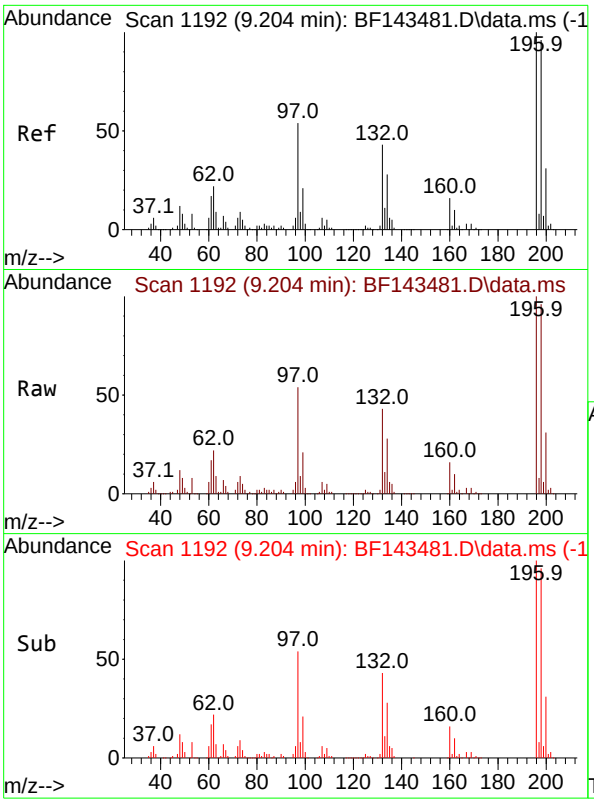


#42
2,4,6-Tribromophenol
Concen: 80.744 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:330 Resp: 212595

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.6	23.7	35.5



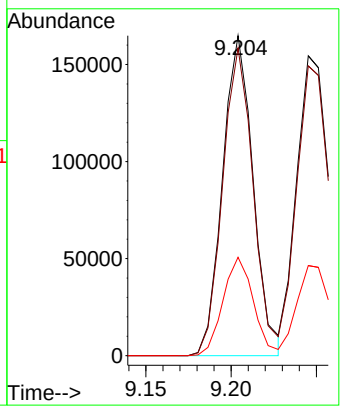


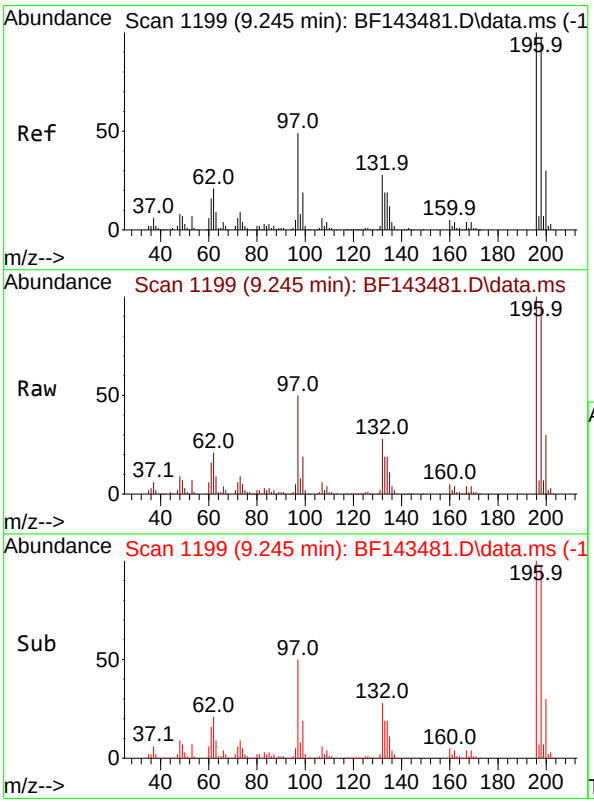
#43
2,4,6-Trichlorophenol
Concen: 41.387 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 206042

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.0	115.4
200	30.8	24.6	37.0

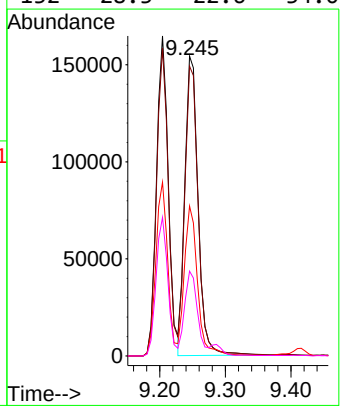


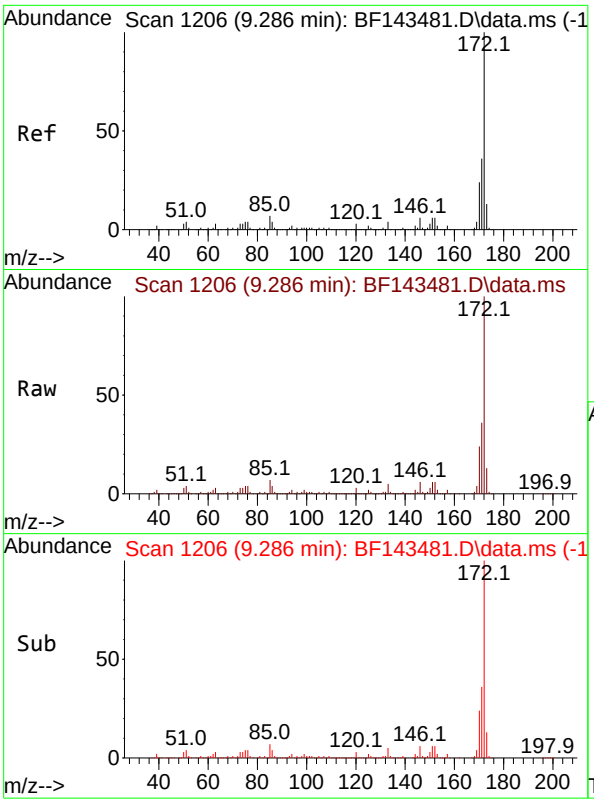


#44
2,4,5-Trichlorophenol
Concen: 39.748 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:196 Resp: 216152

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.0	40.0	60.0
132	28.3	22.6	34.0



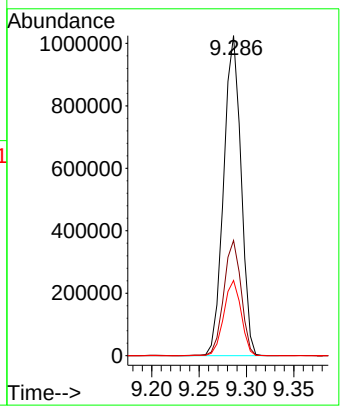


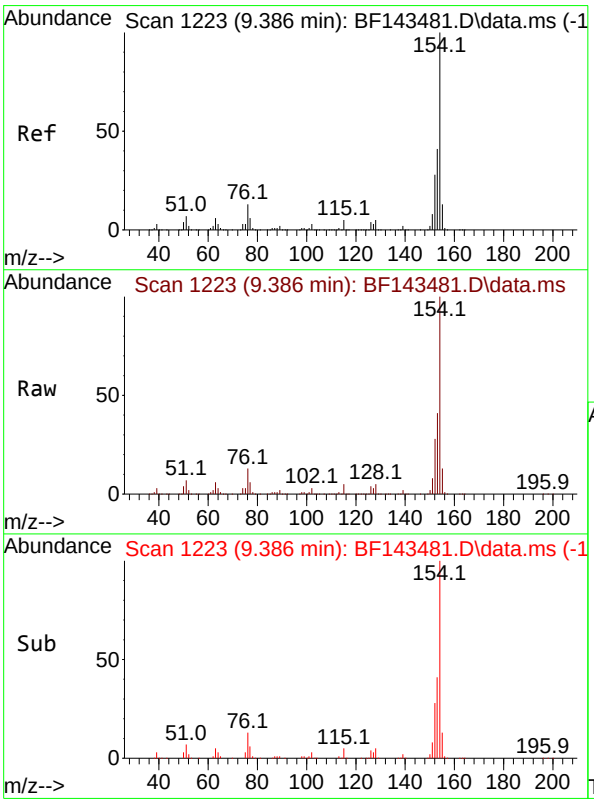
#45
2-Fluorobiphenyl
Concen: 76.419 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1307900

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.5	18.8	28.2

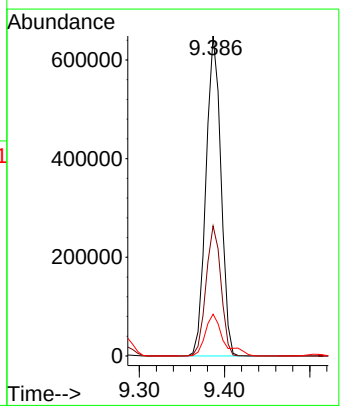


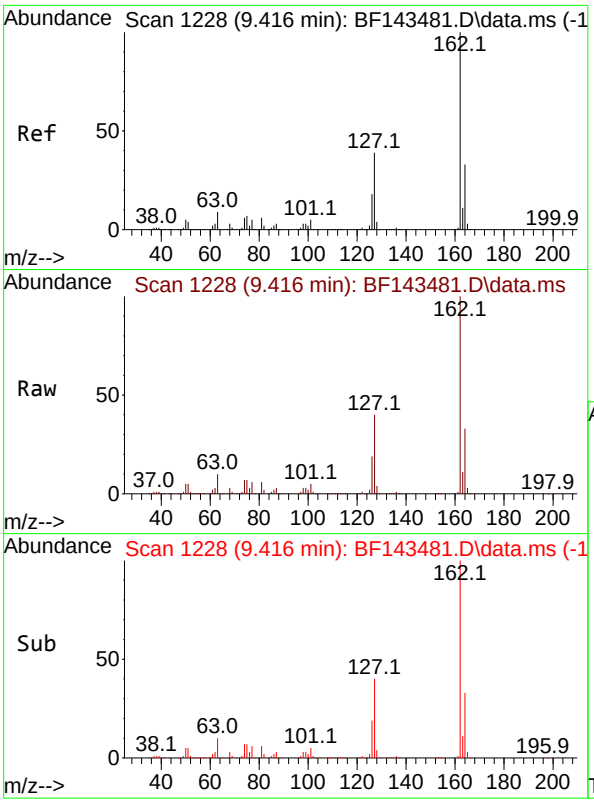


#46
1,1'-Biphenyl
Concen: 39.412 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:154 Resp: 791238

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.0	0.0	33.0



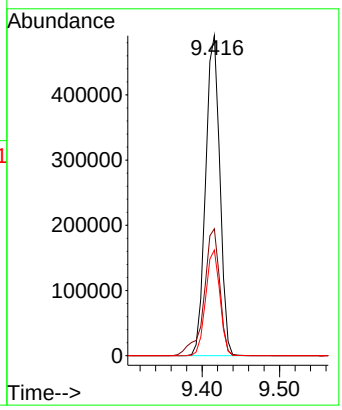


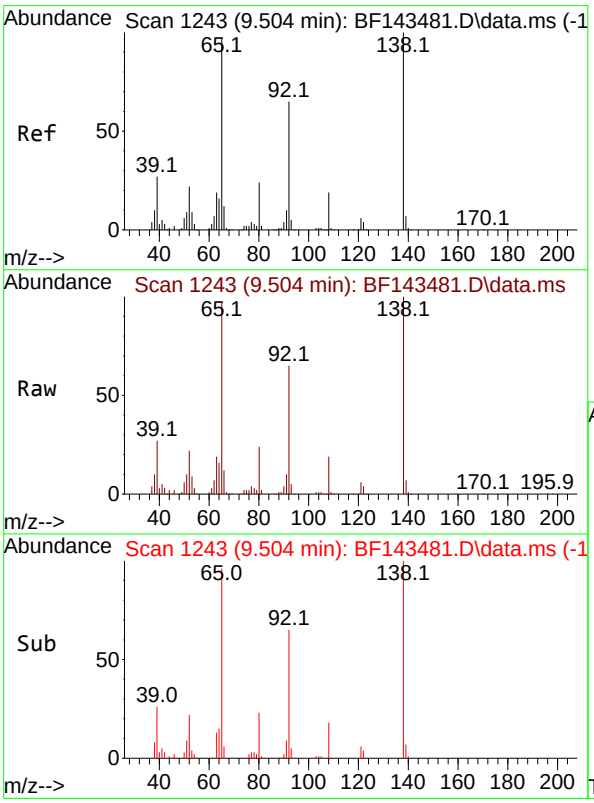
#47
2-Chloronaphthalene
Concen: 39.699 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 625355

Ion	Ratio	Lower	Upper
162	100		
127	39.7	31.8	47.6
164	33.0	26.4	39.6

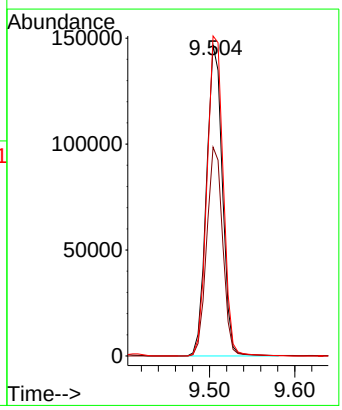


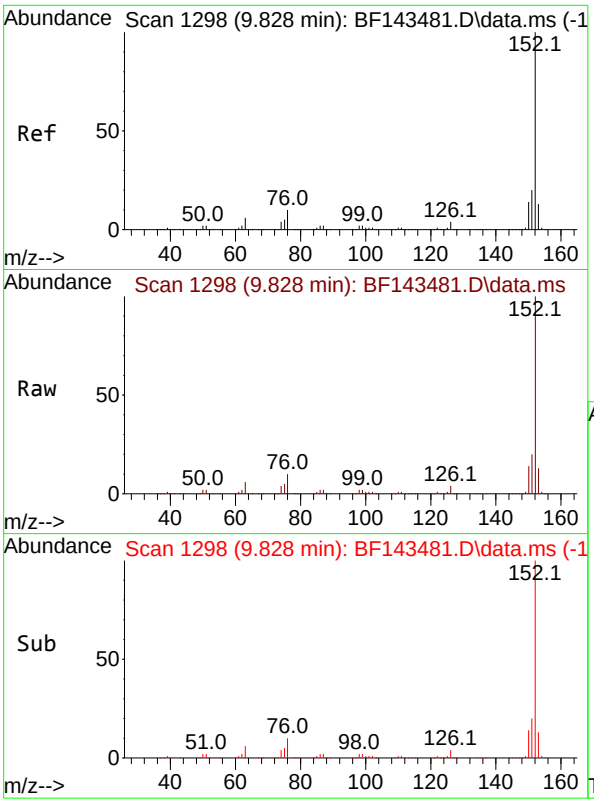


#48
2-Nitroaniline
Concen: 41.336 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion: 65 Resp: 190564

Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.8	80.6
138	103.0	82.4	123.6



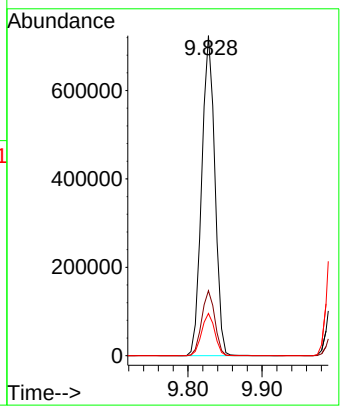


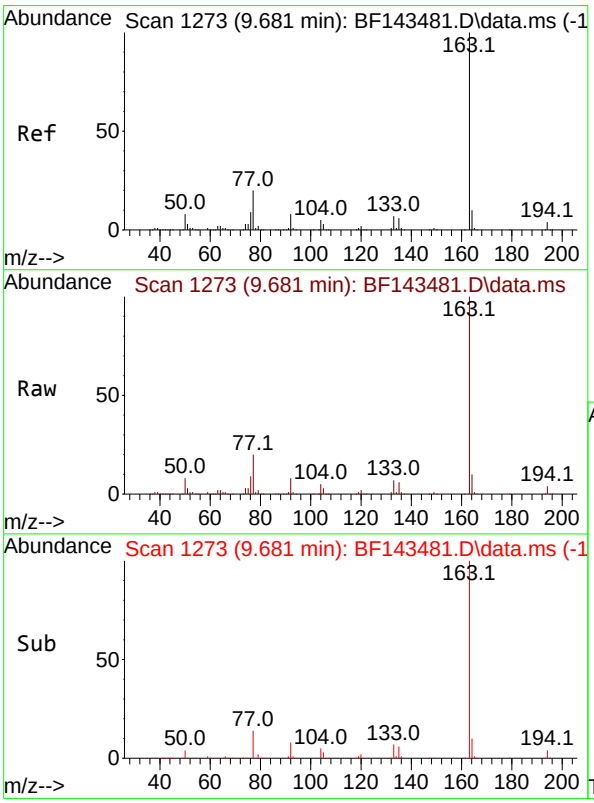
#49
Acenaphthylene
Concen: 39.620 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 893624

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.2	10.6	15.8

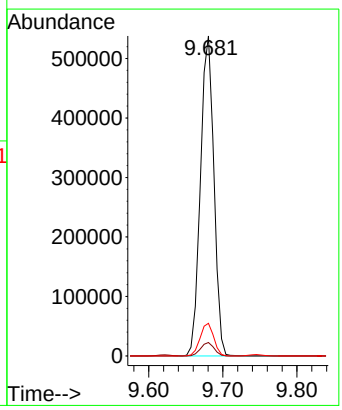


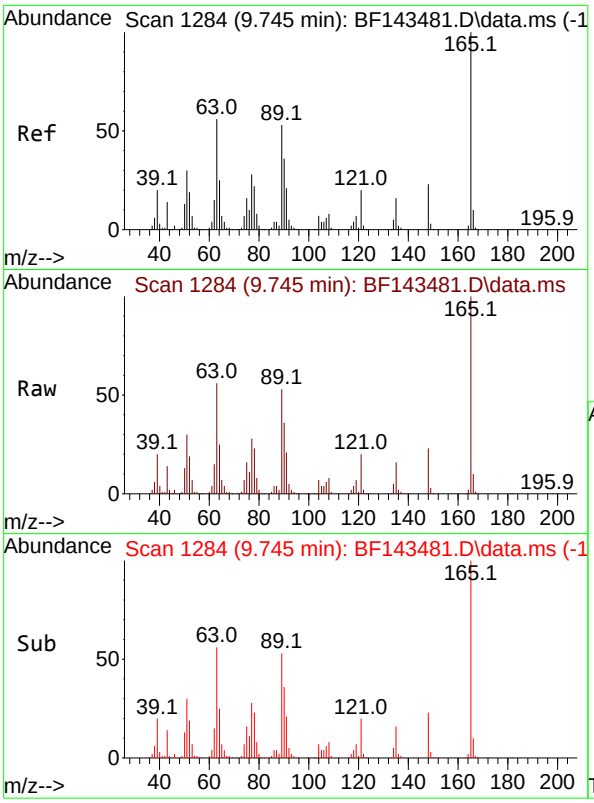


#50
Dimethylphthalate
Concen: 39.881 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:163 Resp: 679389

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2



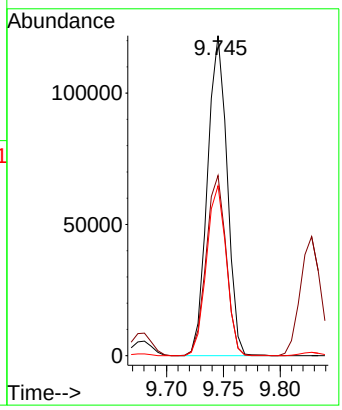


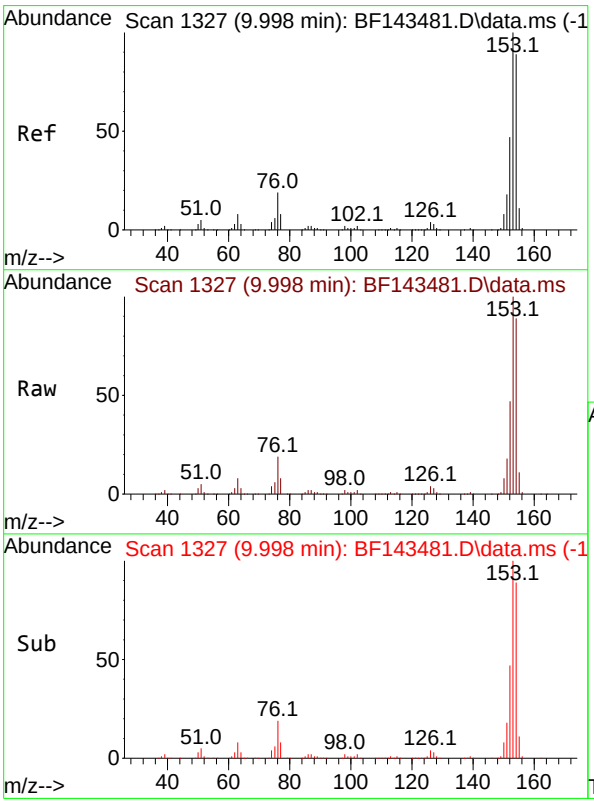
#51
2,6-Dinitrotoluene
Concen: 41.551 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 146703

Ion	Ratio	Lower	Upper
165	100		
63	56.3	45.0	67.6
89	53.1	42.5	63.7

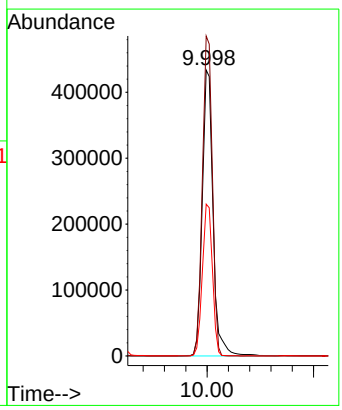


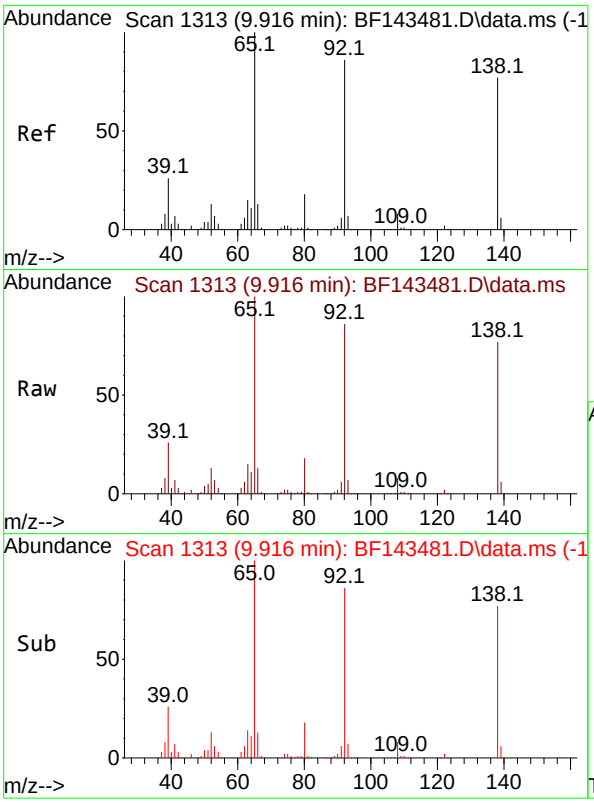


#52
Acenaphthene
Concen: 39.745 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:154 Resp: 608648

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.1	42.5	63.7



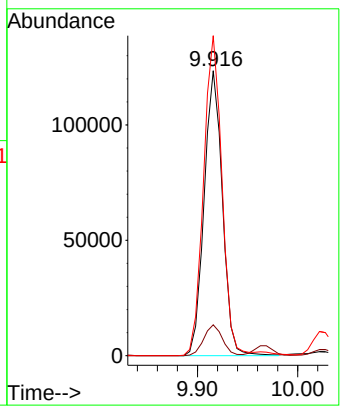


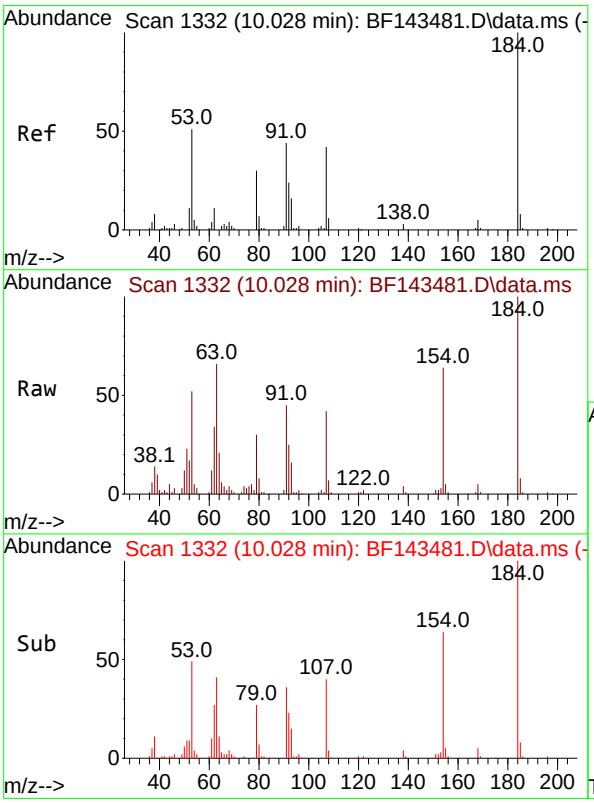
#53
3-Nitroaniline
Concen: 41.163 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 157042

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	13.0
92	112.3	89.8	134.8

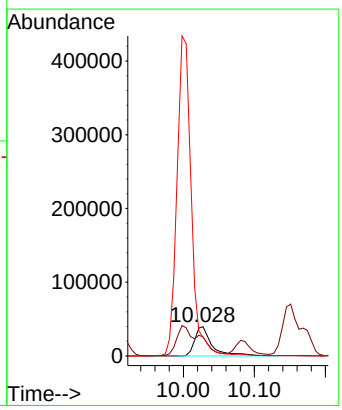


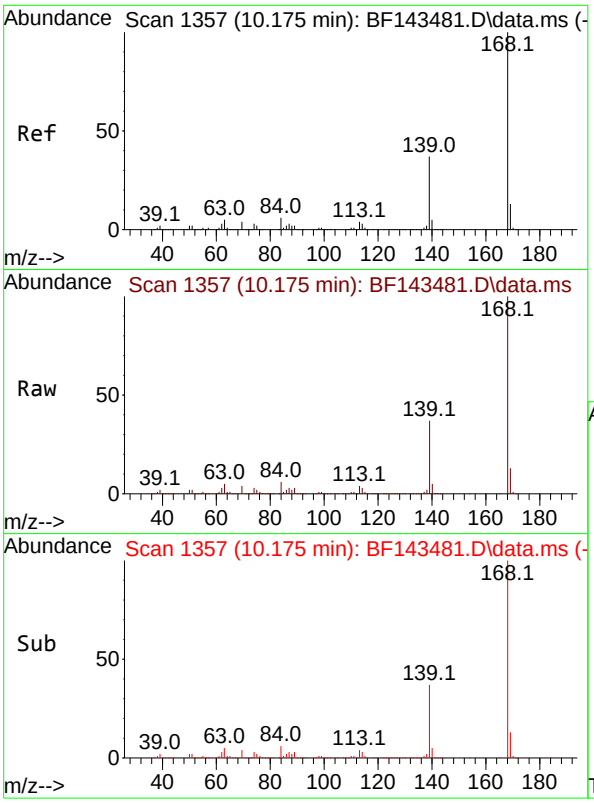


#54
2,4-Dinitrophenol
Concen: 38.822 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:184 Resp: 67793

Ion	Ratio	Lower	Upper
184	100		
63	65.7	52.6	78.8
154	63.7	51.0	76.4



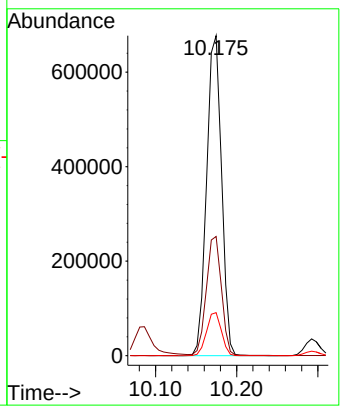


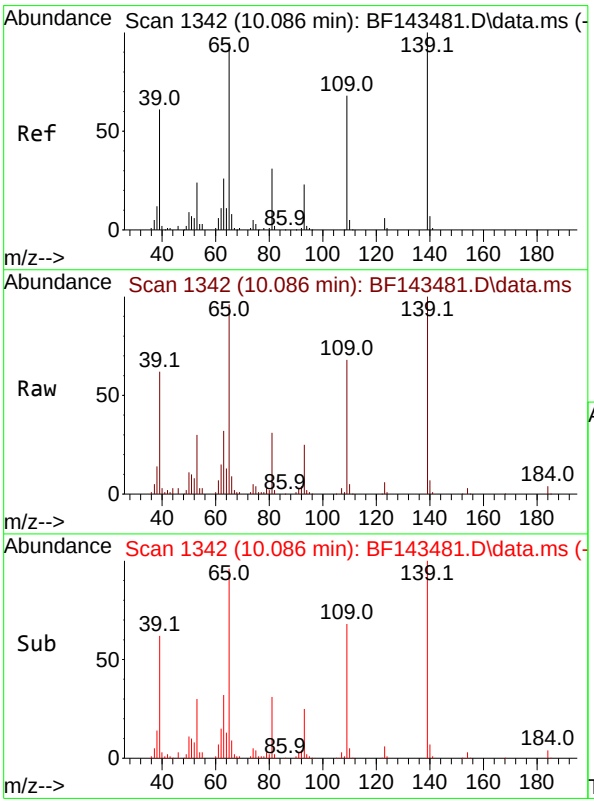
#55
Dibenzofuran
Concen: 39.465 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 861659

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2

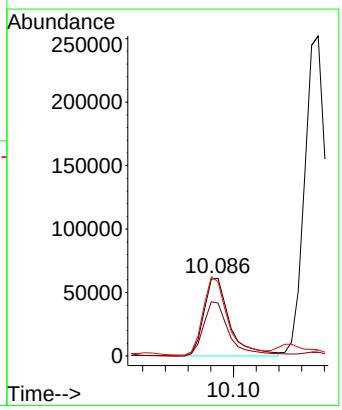


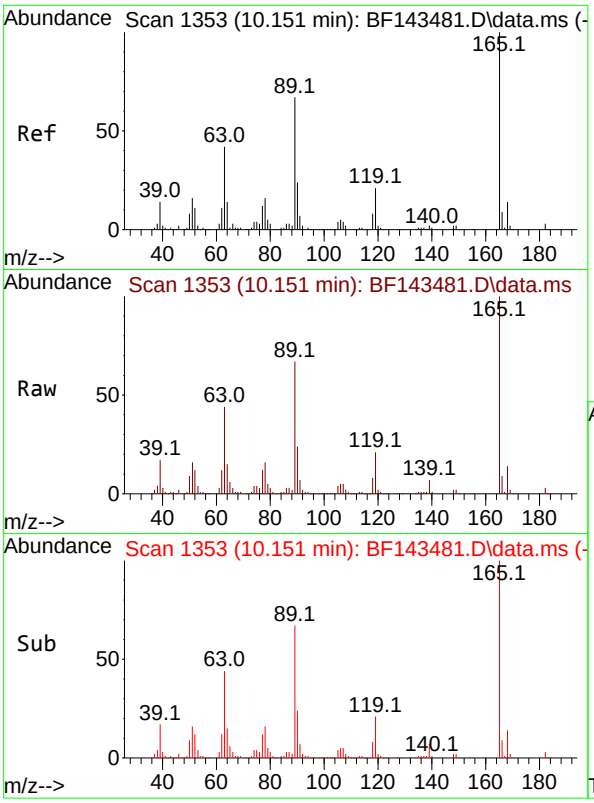


#56
4-Nitrophenol
Concen: 42.699 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:139 Resp: 96926

Ion	Ratio	Lower	Upper
139	100		
109	68.2	48.2	88.2
65	95.8	75.8	115.8



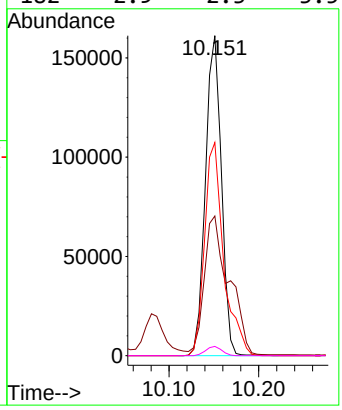


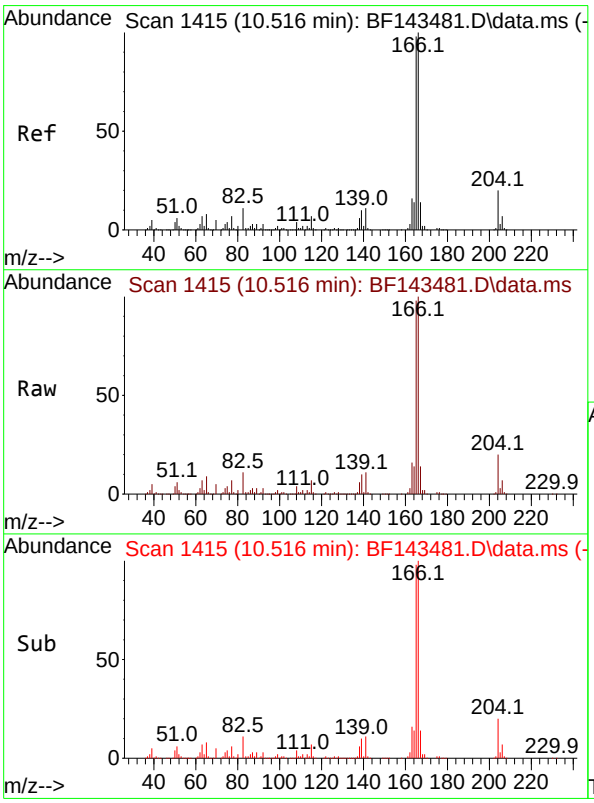
#57
2,4-Dinitrotoluene
Concen: 42.127 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 198600

Ion	Ratio	Lower	Upper
165	100		
63	43.6	34.9	52.3
89	66.6	53.3	79.9
182	2.9	2.3	3.5

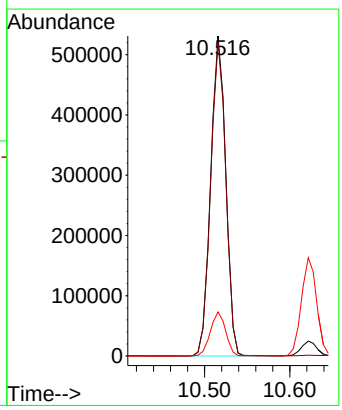


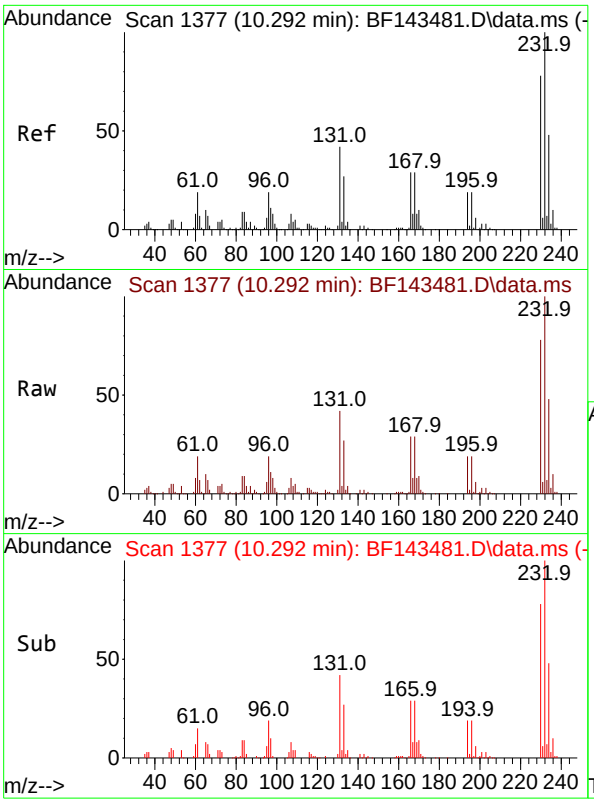


#58
Fluorene
Concen: 38.975 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:166 Resp: 654929

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.7	11.0	16.4



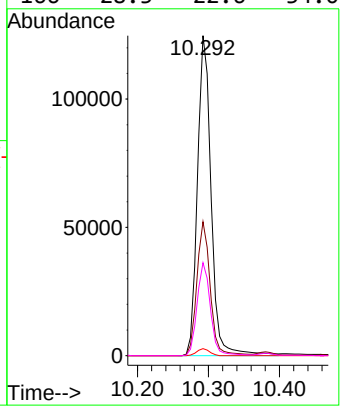


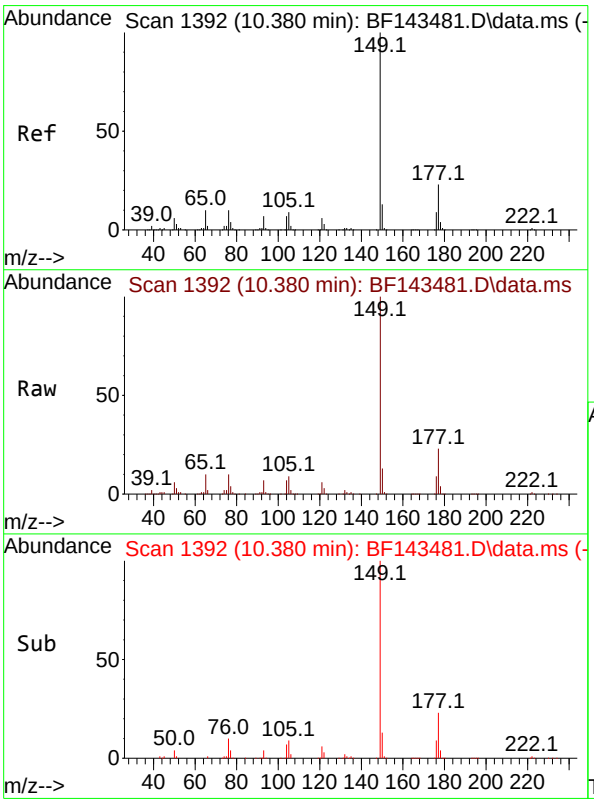
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.542 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 167834

Ion	Ratio	Lower	Upper
232	100		
131	40.9	32.7	49.1
130	2.0	1.6	2.4
166	28.3	22.6	34.0

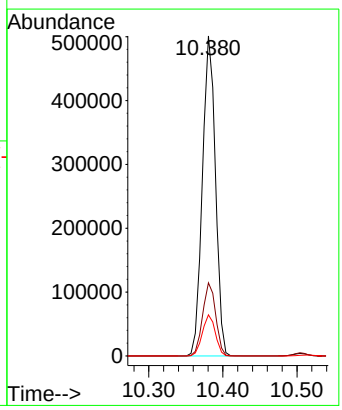


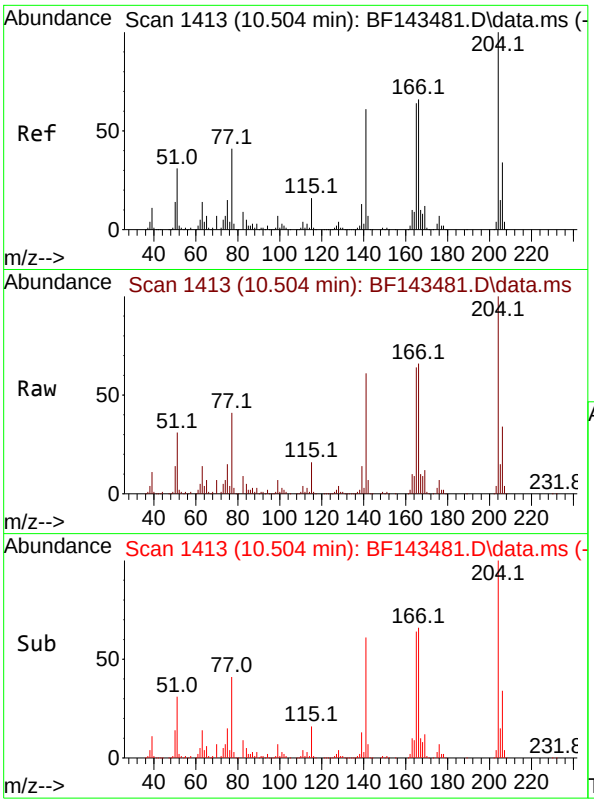


#60
Diethylphthalate
Concen: 40.167 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 613485

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5



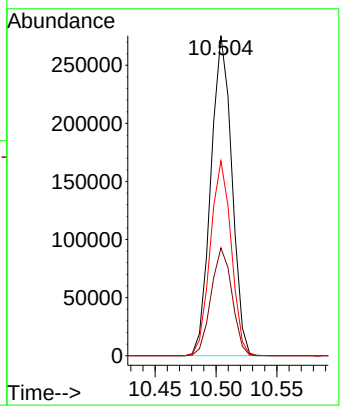


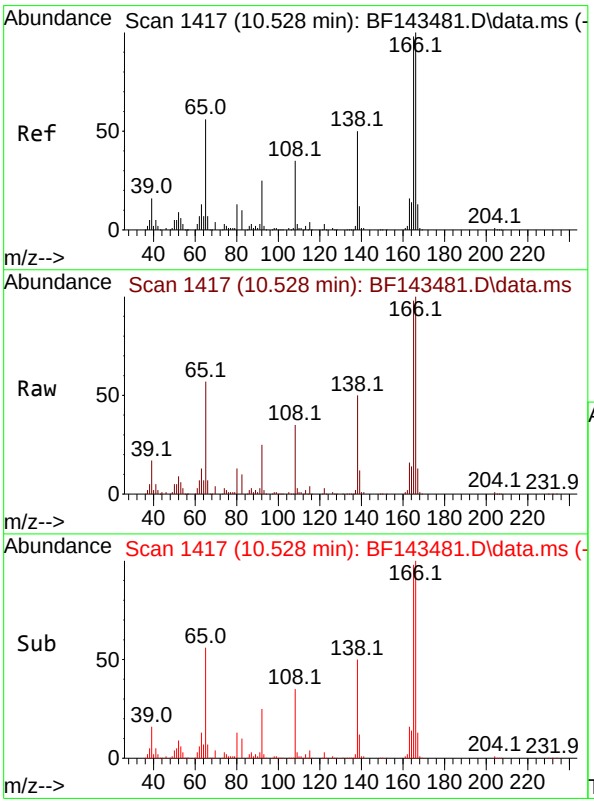
#61
4-Chlorophenyl-phenylether
Concen: 39.350 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 330692

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	60.9	48.7	73.1

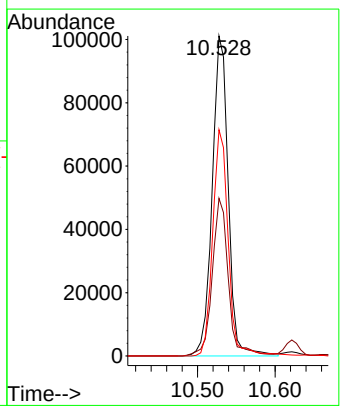


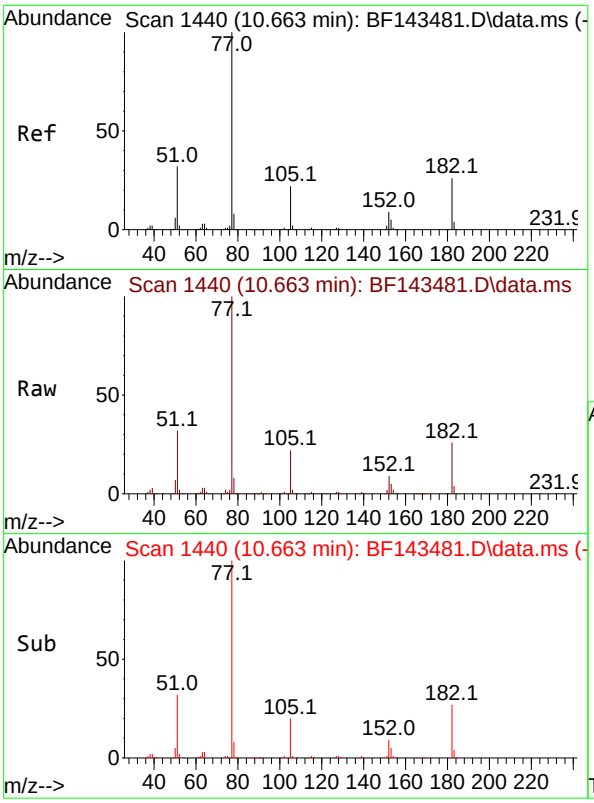


#62
4-Nitroaniline
Concen: 41.412 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:138 Resp: 145120

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	70.7	50.7	90.7



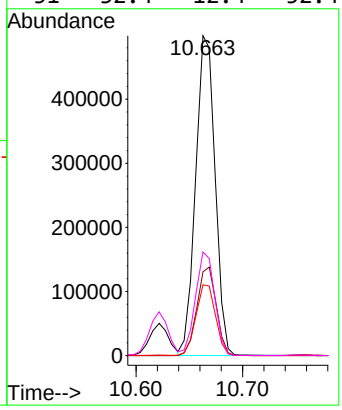


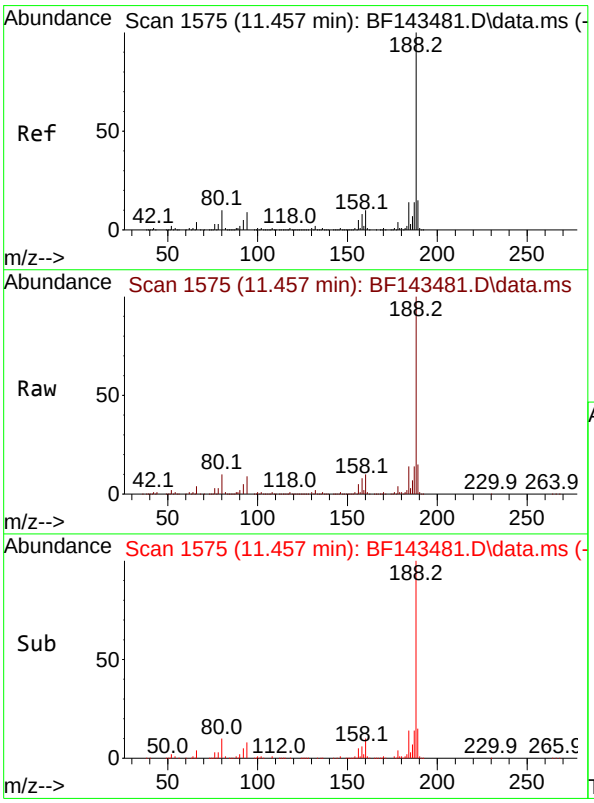
#63
Azobenzene
Concen: 40.076 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 634664

Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.2	46.2
105	22.2	2.2	42.2
51	32.4	12.4	52.4

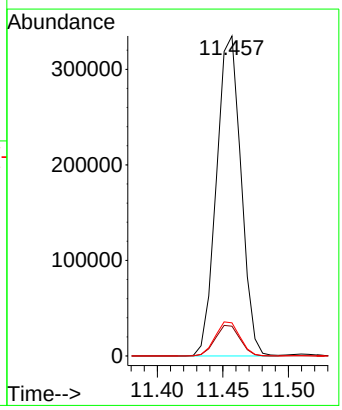


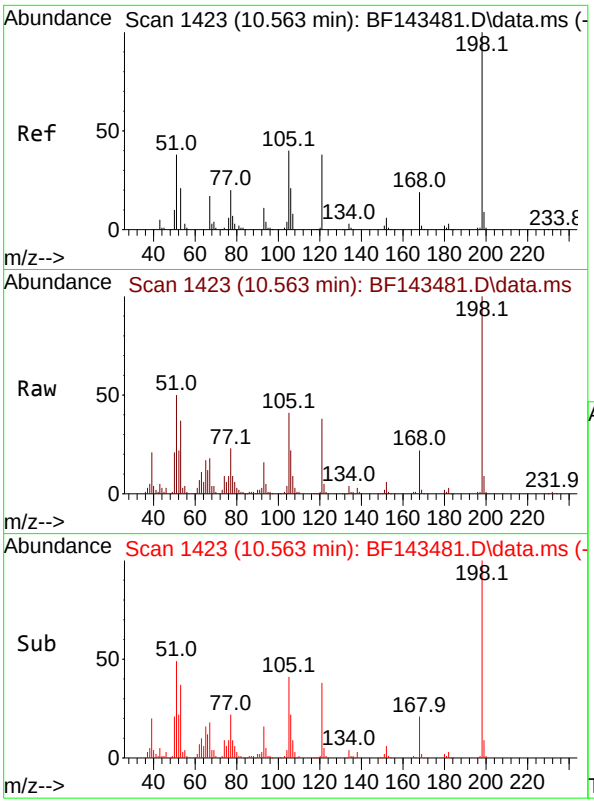


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:188 Resp: 436106

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.3	8.2	12.4



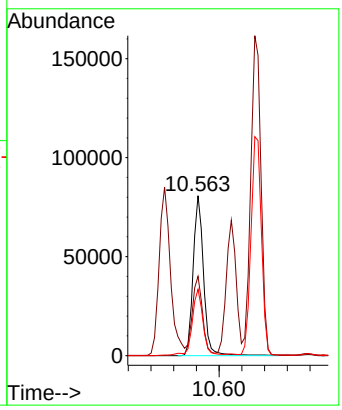


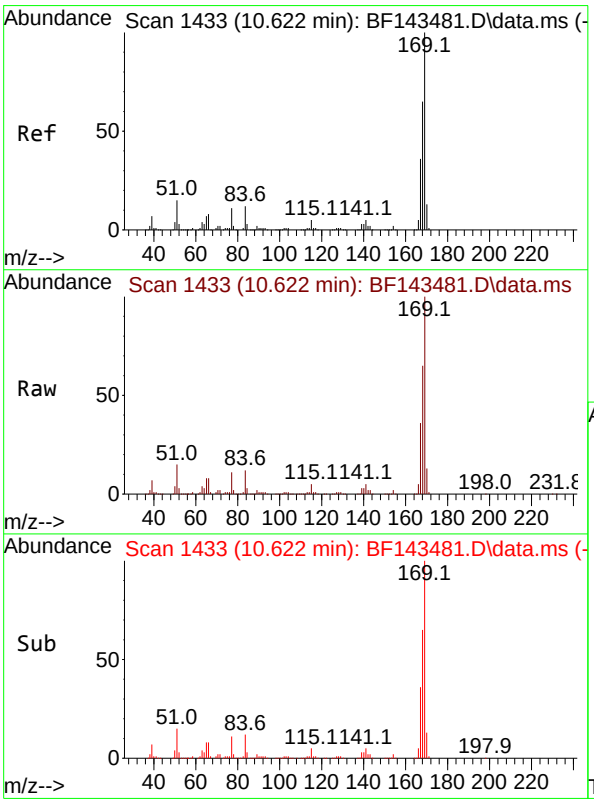
#65
4,6-Dinitro-2-methylphenol
Concen: 42.115 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 103558

Ion	Ratio	Lower	Upper
198	100		
51	49.6	29.6	69.6
105	41.5	21.5	61.5

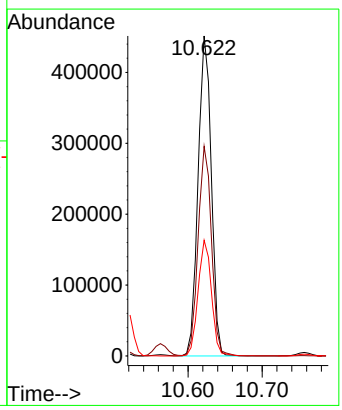


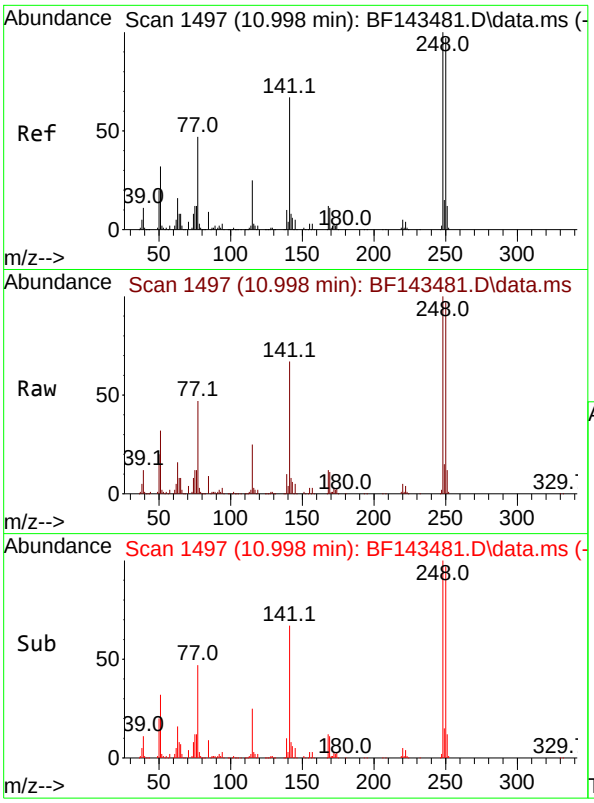


#66
n-Nitrosodiphenylamine
Concen: 39.830 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:169 Resp: 558998

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.4	78.6
167	36.1	28.9	43.3



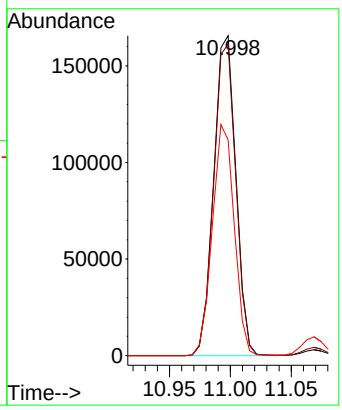


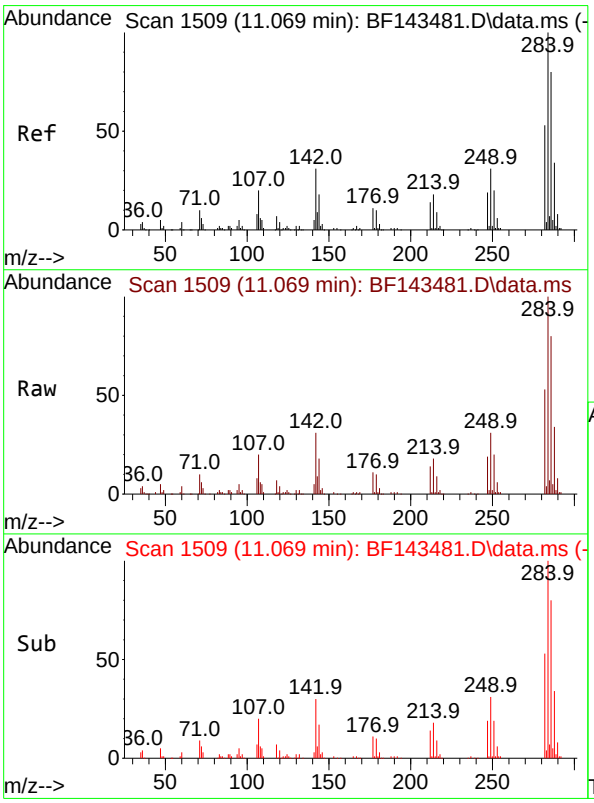
#67
4-Bromophenyl-phenylether
Concen: 40.374 ng
RT: 10.998 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 210081

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	67.5	54.0	81.0

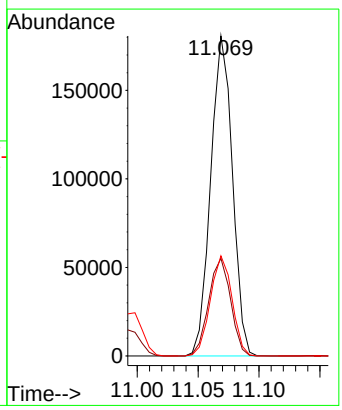


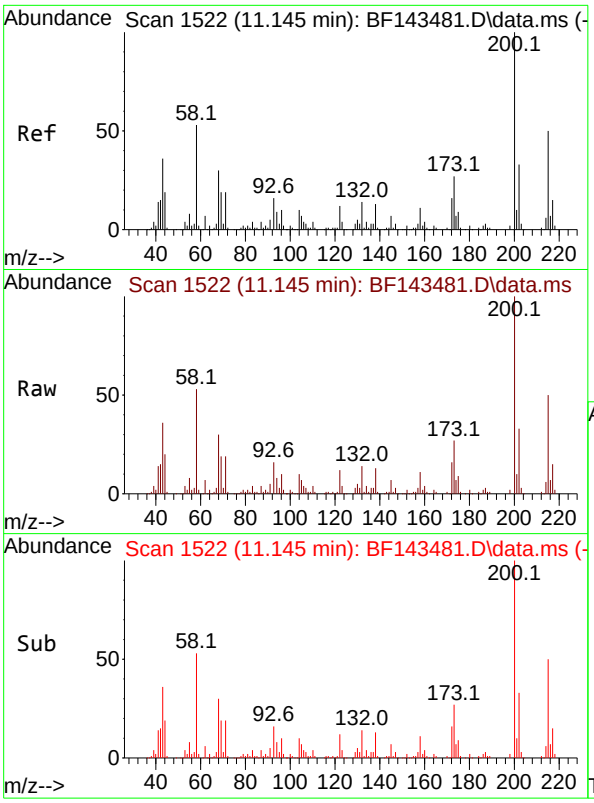


#68
Hexachlorobenzene
Concen: 39.989 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:284 Resp: 224294

Ion	Ratio	Lower	Upper
284	100		
142	30.5	24.4	36.6
249	31.3	25.0	37.6



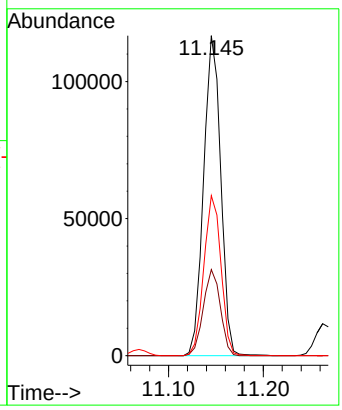


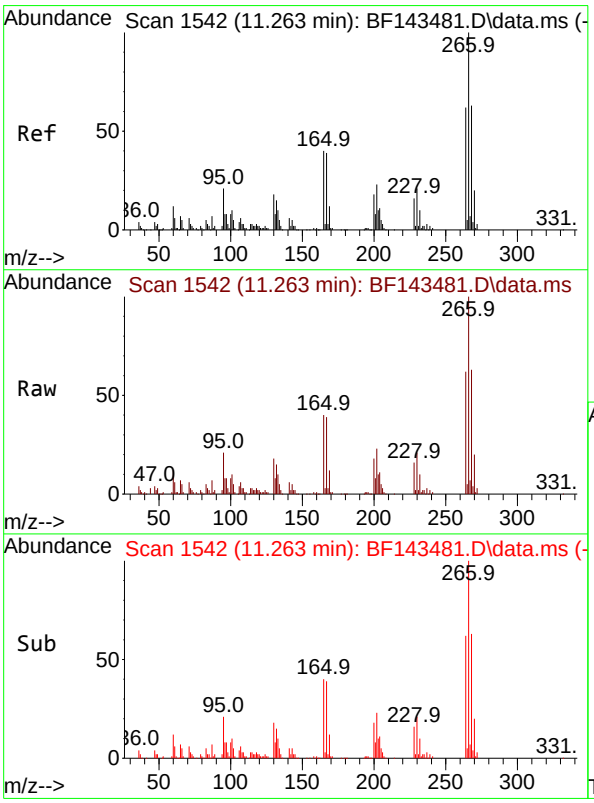
#69
Atrazine
Concen: 40.437 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 146499

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.9	46.9
215	50.0	30.0	70.0

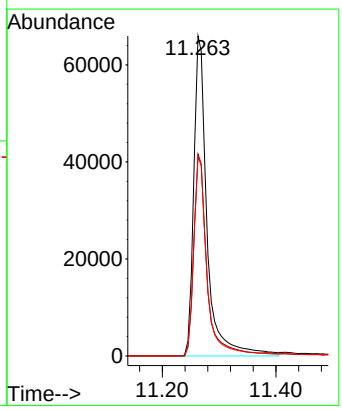


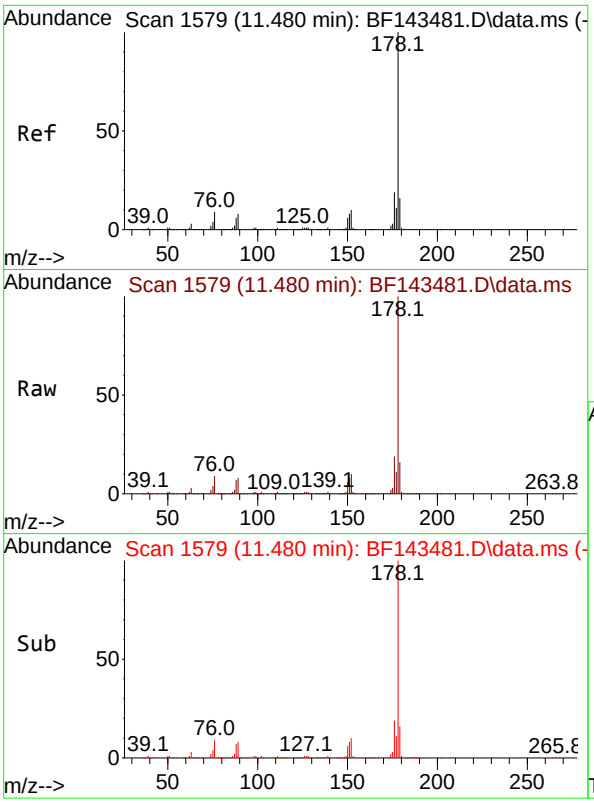


#70
Pentachlorophenol
Concen: 42.121 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:266 Resp: 108200

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	62.3	49.8	74.8



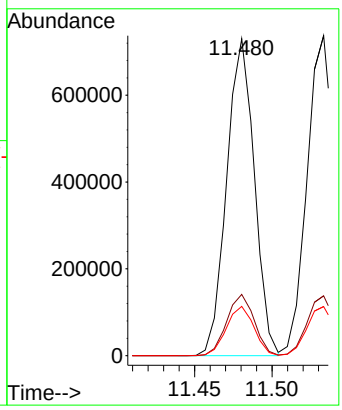


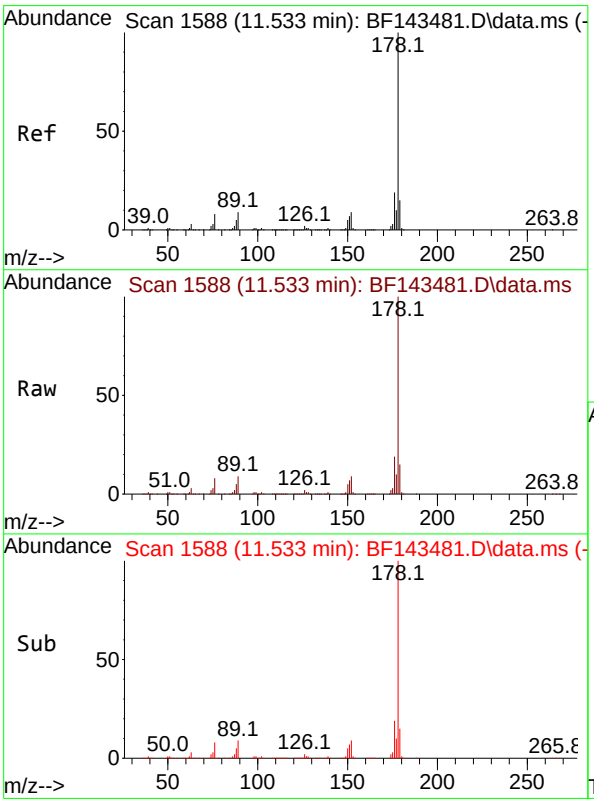
#71
Phenanthrene
Concen: 38.800 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 906136

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

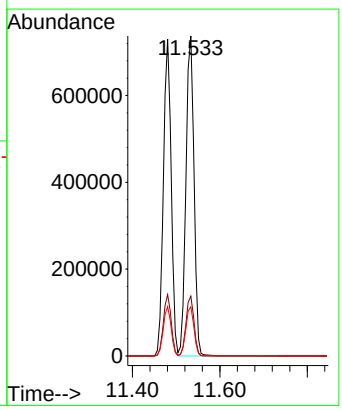


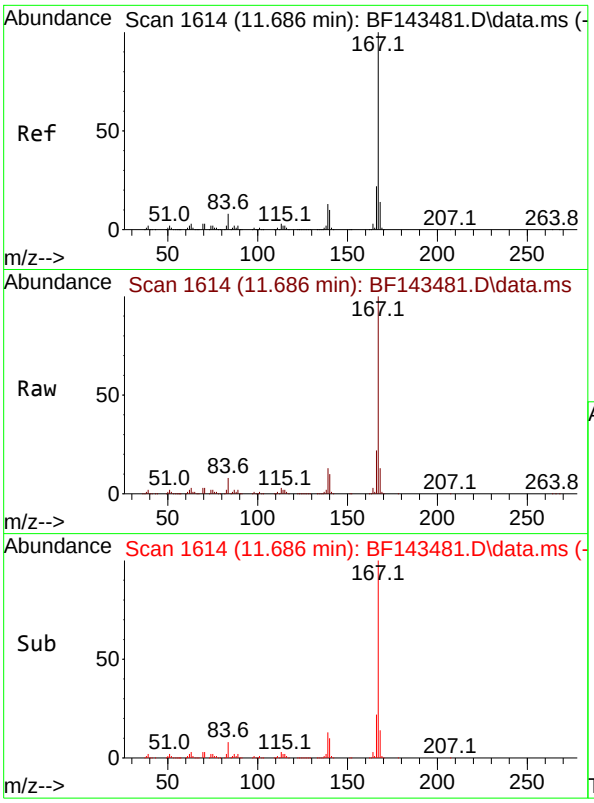


#72
Anthracene
Concen: 39.587 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:178 Resp: 936575

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5



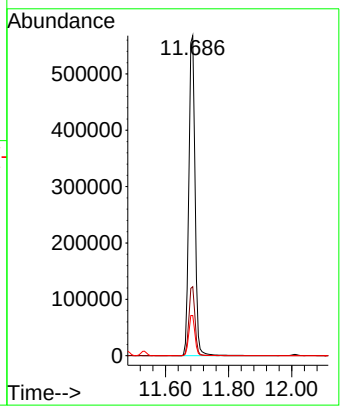


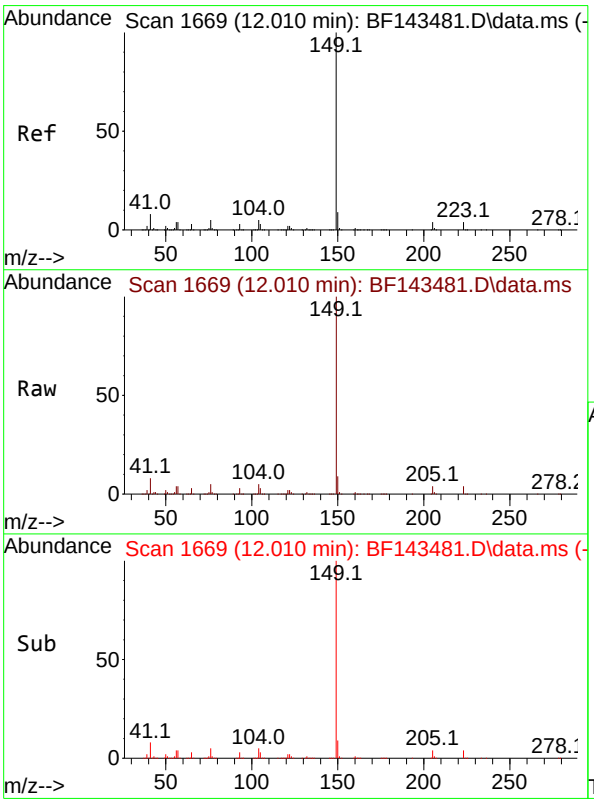
#73
Carbazole
Concen: 39.704 ng
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 769702

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	12.5	10.0	15.0

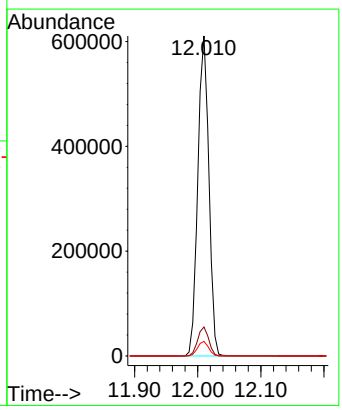


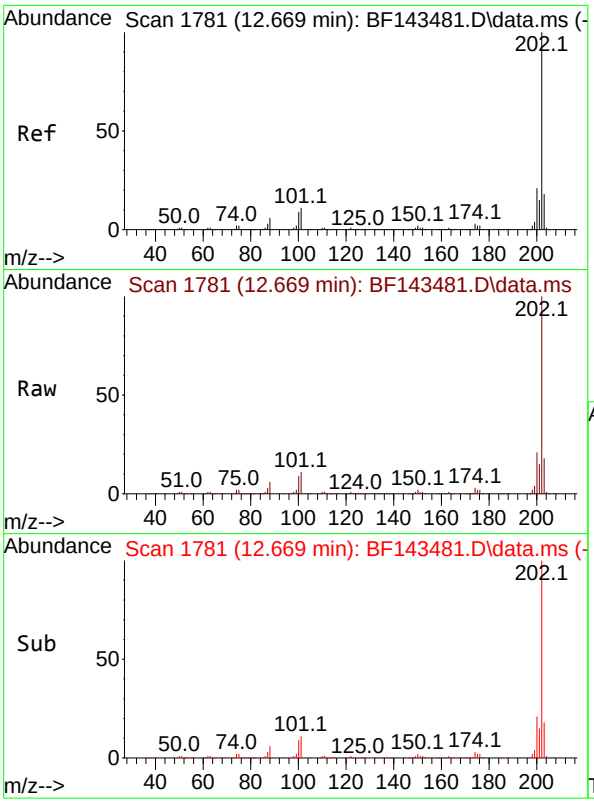


#74
Di-n-butylphthalate
Concen: 40.975 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 741021

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.5	3.6	5.4



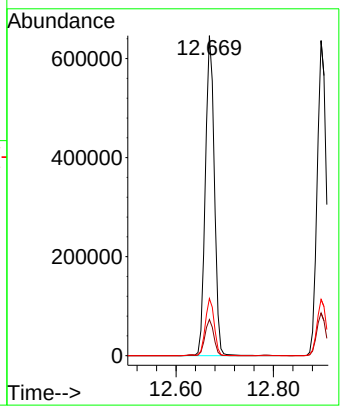


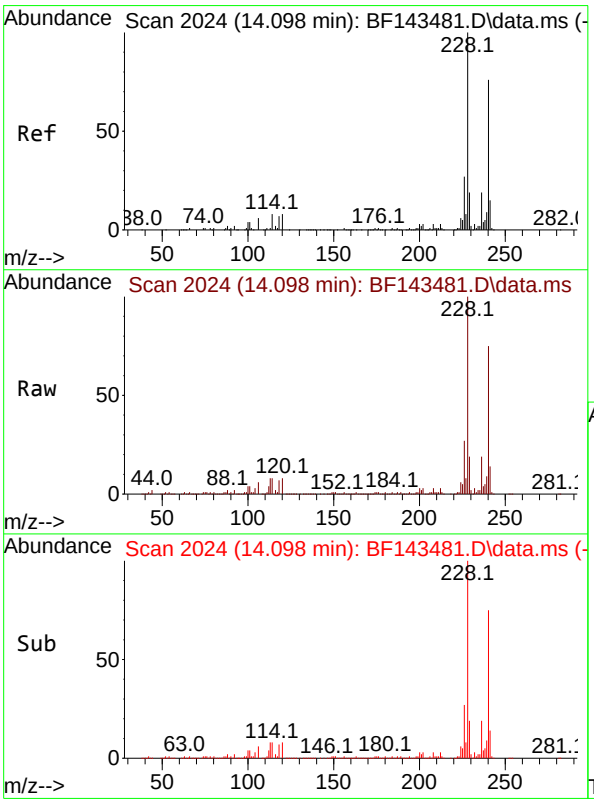
#75
Fluoranthene
Concen: 39.378 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 825200

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.3
203	17.9	0.0	37.9

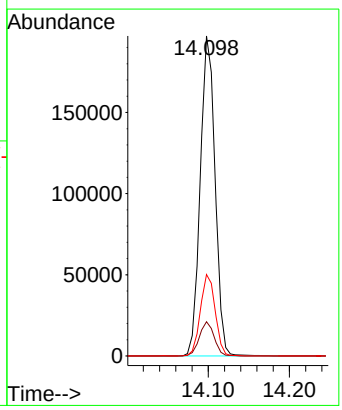


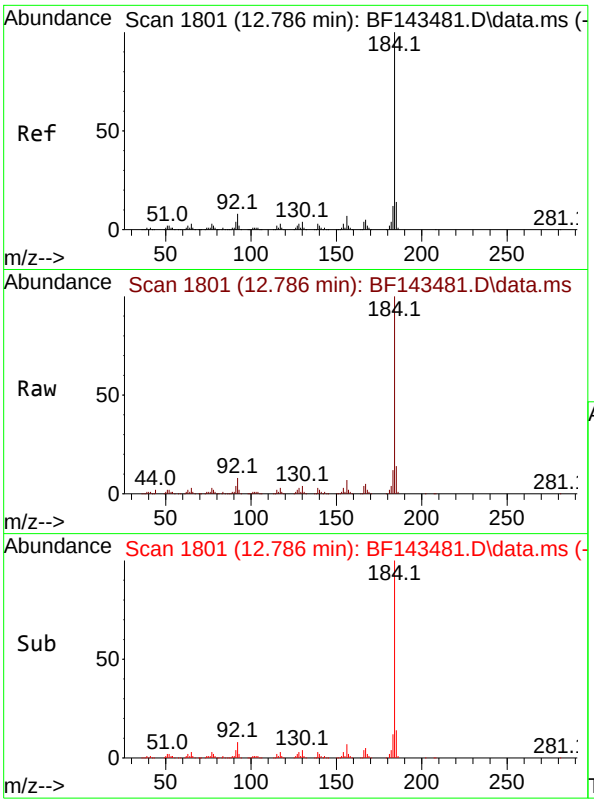


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:240 Resp: 249960

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	12.8
236	25.5	20.4	30.6



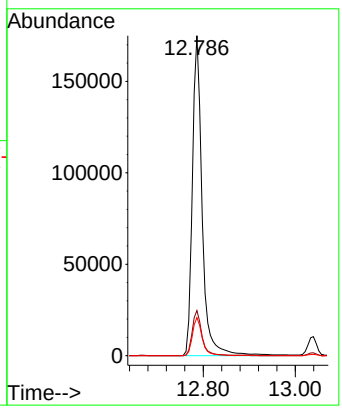


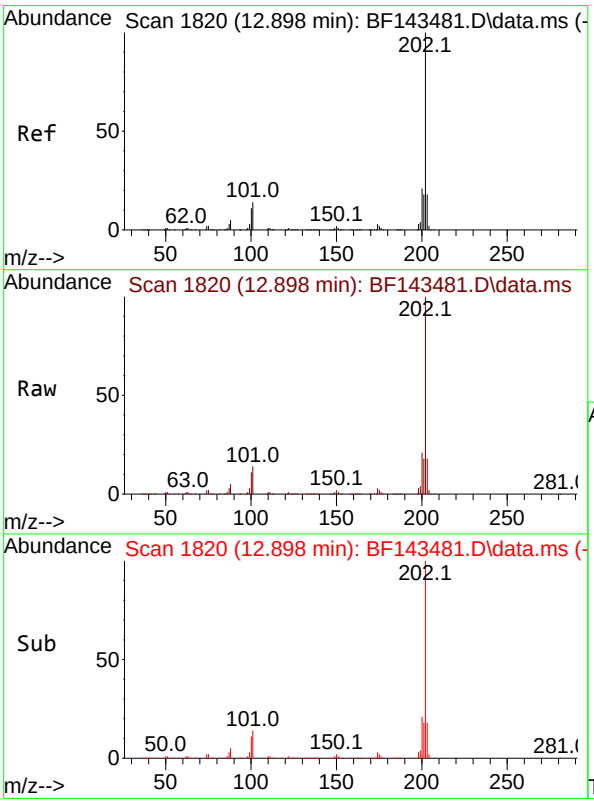
#77
Benzidine
Concen: 42.403 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 258175

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.9	9.5	14.3

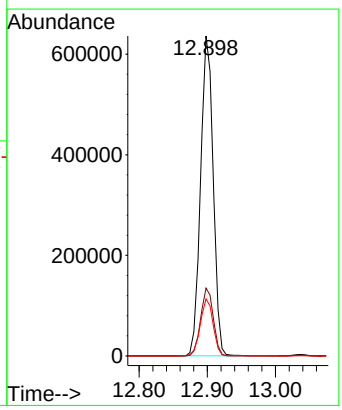


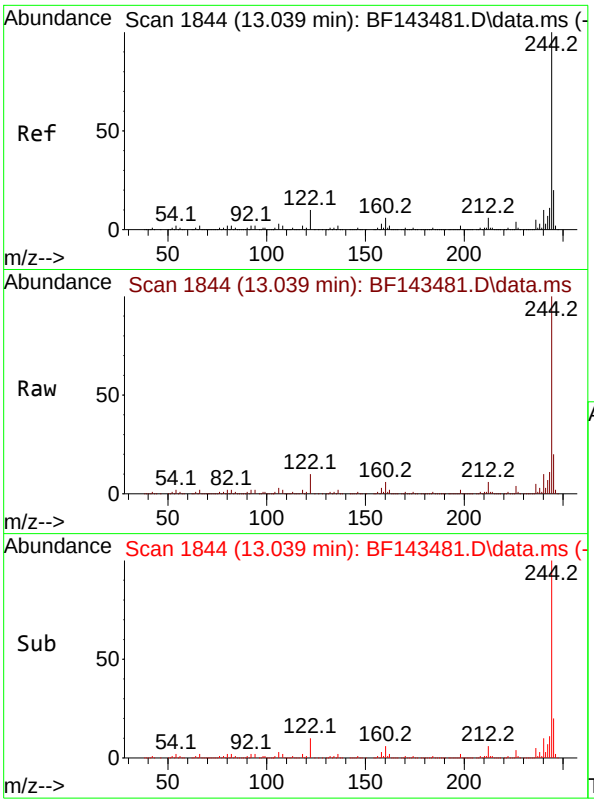


#78
Pyrene
Concen: 39.759 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:202 Resp: 817477

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



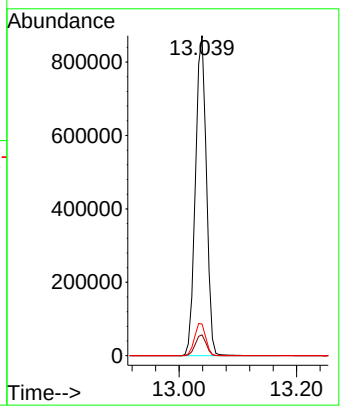


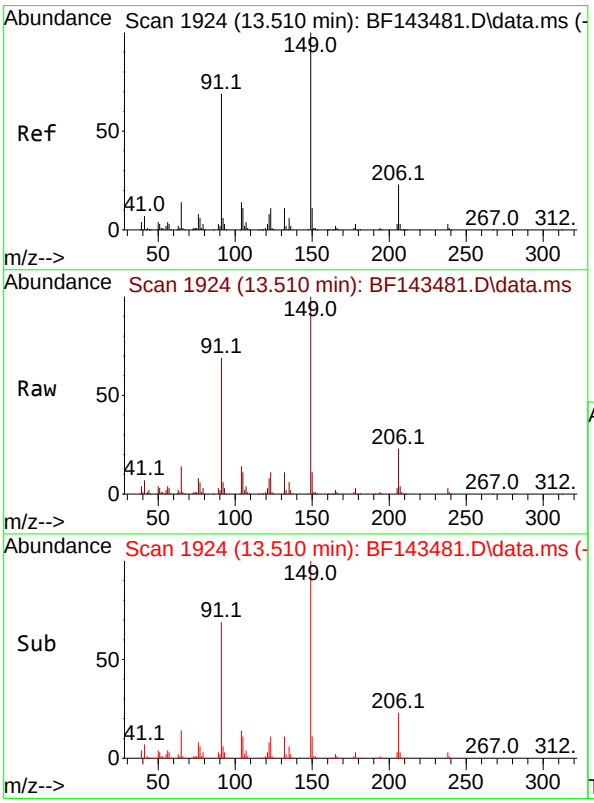
#79
Terphenyl-d14
Concen: 78.865 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1129659

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.9	7.9	11.9

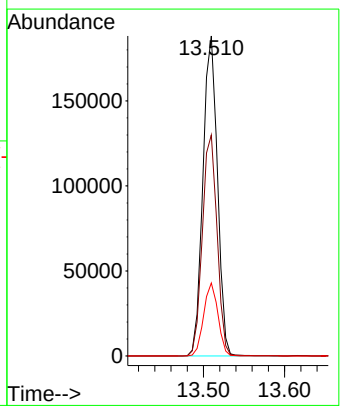


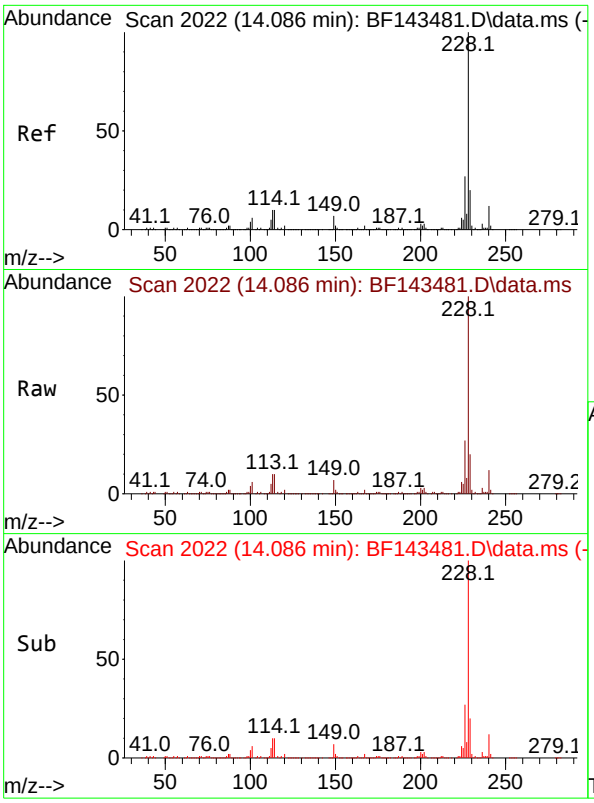


#80
Butylbenzylphthalate
Concen: 41.552 ng
RT: 13.510 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 233397

Ion	Ratio	Lower	Upper
149	100		
91	69.1	55.3	82.9
206	22.8	18.2	27.4



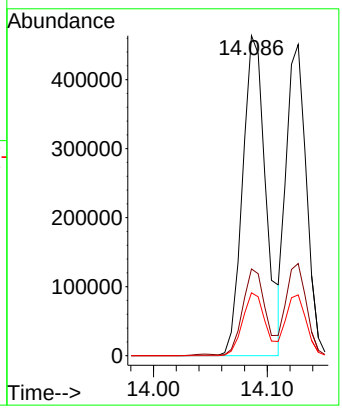


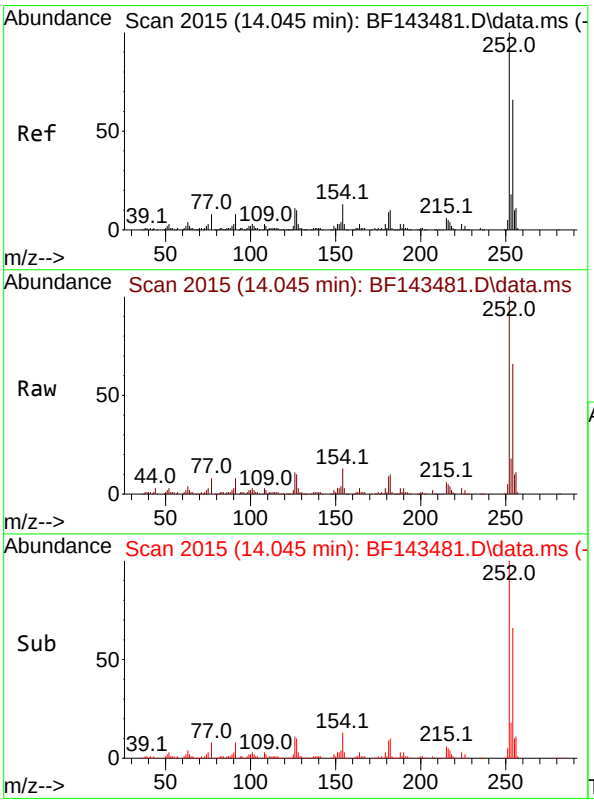
#81
Benzo(a)anthracene
Concen: 40.938 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 658804

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.6	15.7	23.5

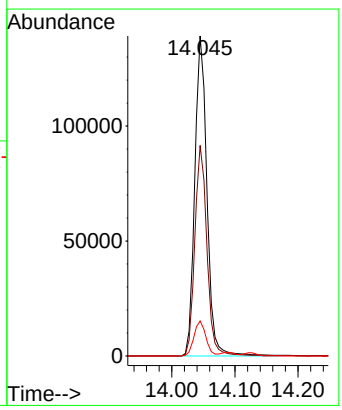


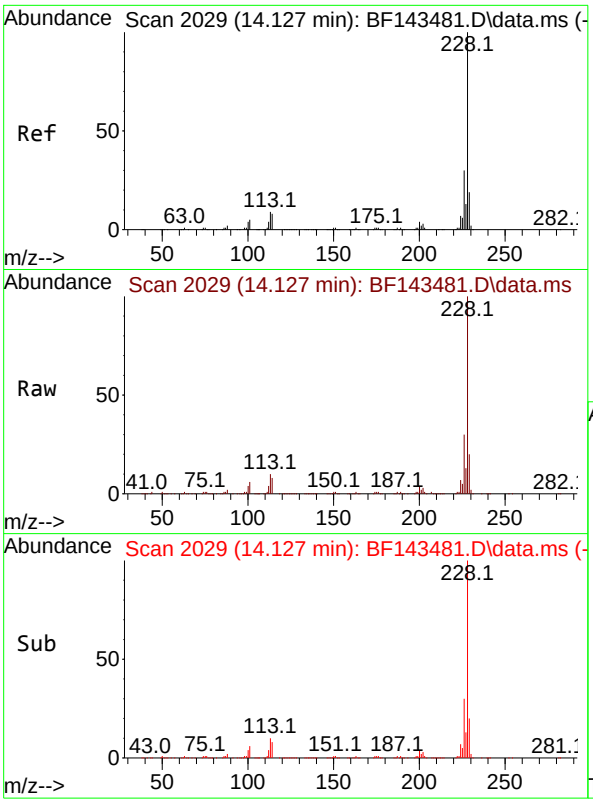


#82
3,3'-Dichlorobenzidine
Concen: 40.425 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 186301

Ion	Ratio	Lower	Upper
252	100		
254	65.8	52.6	79.0
126	10.9	8.7	13.1



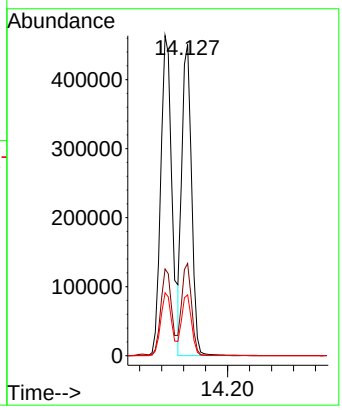


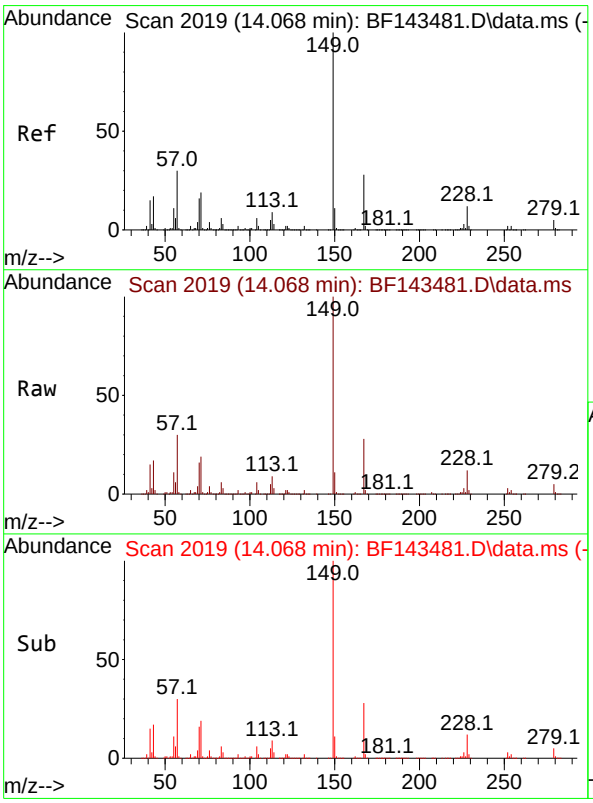
#83
Chrysene
Concen: 38.482 ng
RT: 14.127 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 556527

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	19.6	15.7	23.5

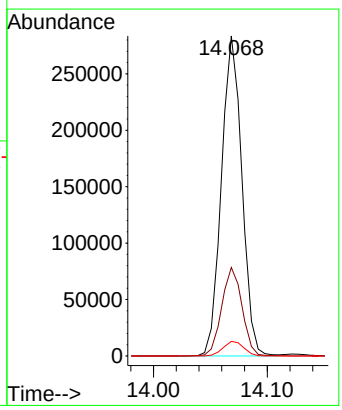


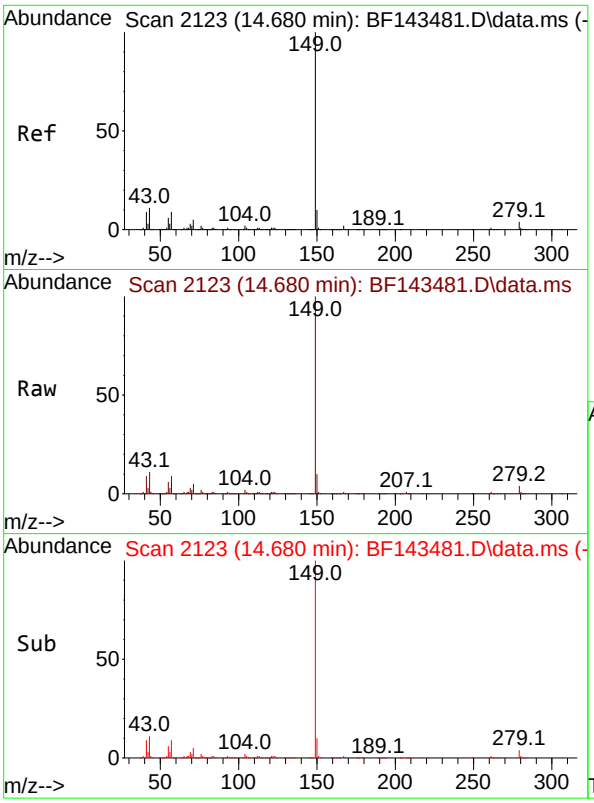


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.471 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:149 Resp: 354779

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.2
279	4.5	3.6	5.4



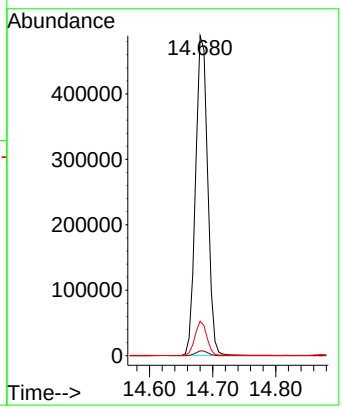


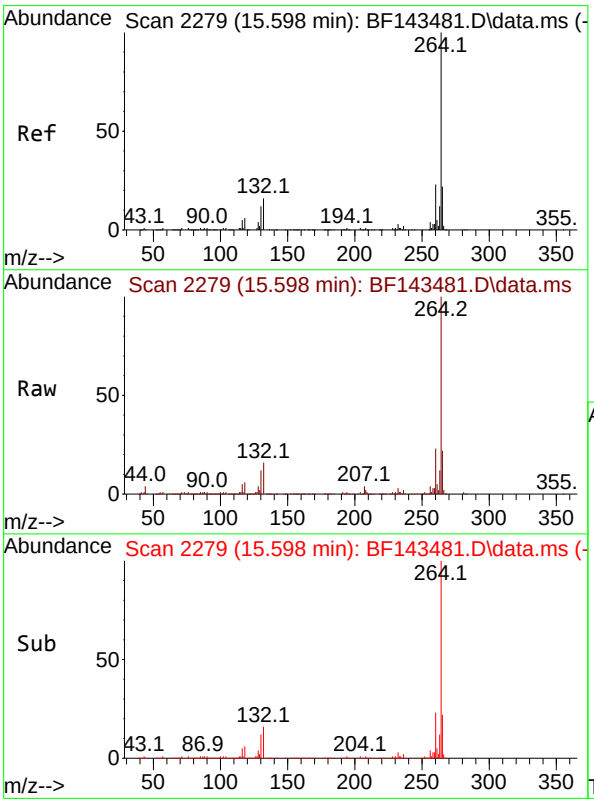
#85
Di-n-octyl phthalate
Concen: 40.959 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 649137

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	8.5	12.7

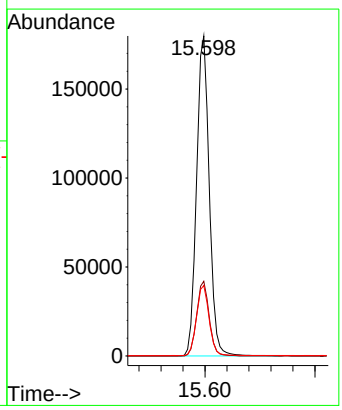


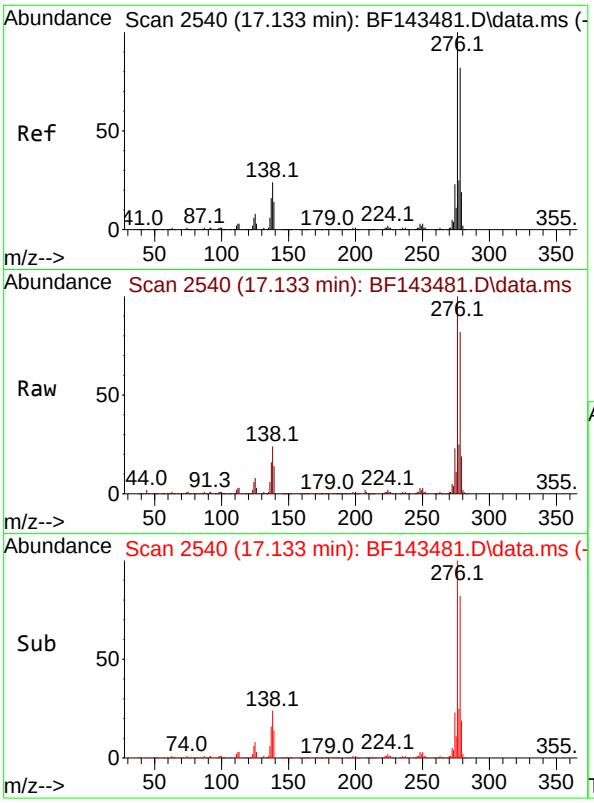


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:264 Resp: 288139

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.0	17.6	26.4



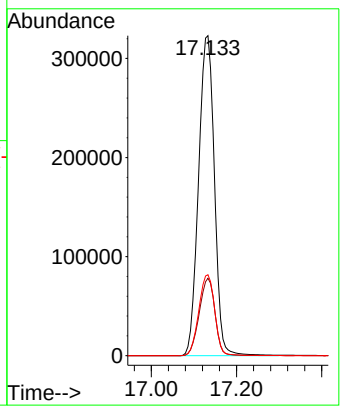


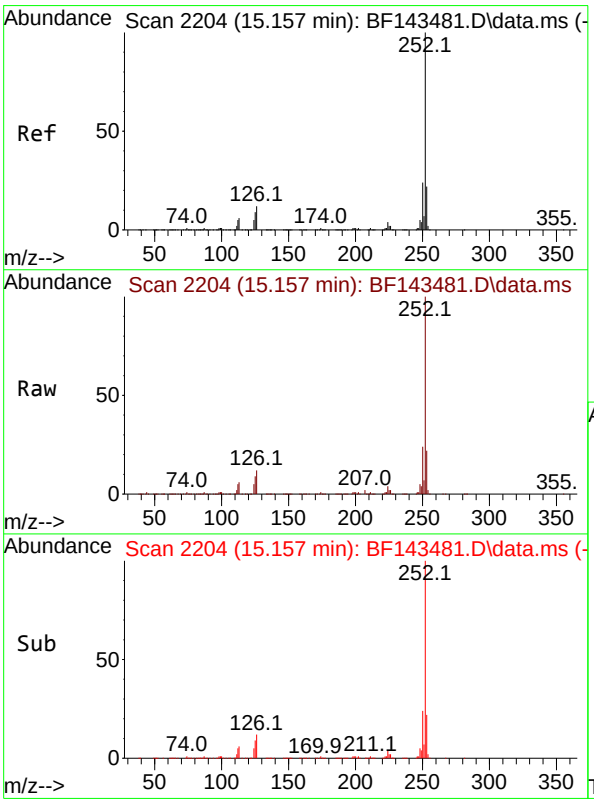
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.334 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 835150

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.2	28.8
277	25.4	20.3	30.5

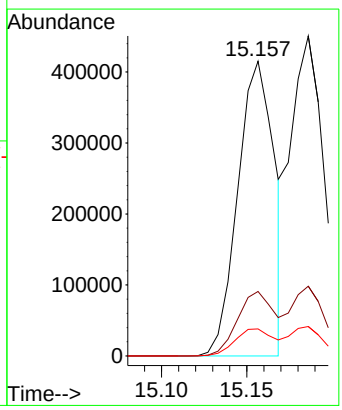


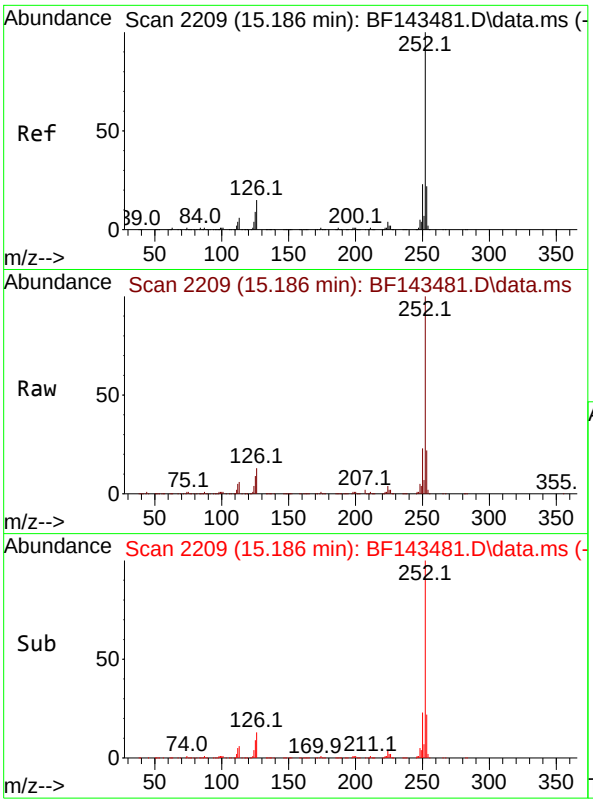


#88
Benzo(b)fluoranthene
Concen: 38.627 ng
RT: 15.157 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 618677

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.2	7.4	11.0



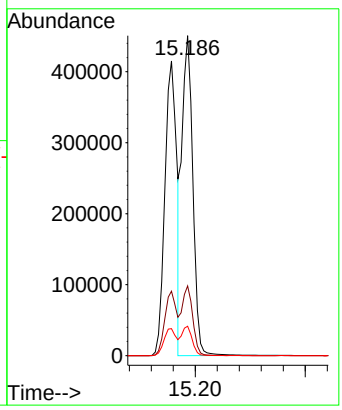


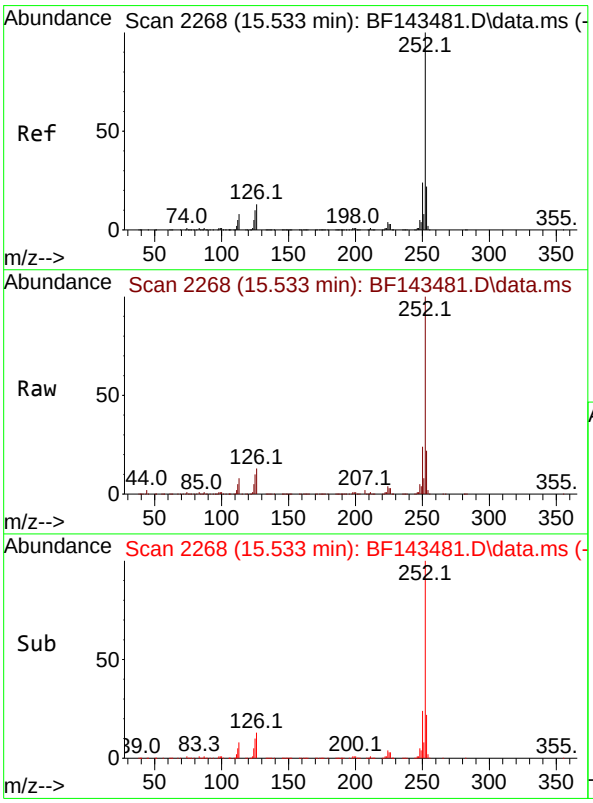
#89
Benzo(k)fluoranthene
Concen: 40.628 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 623043

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.2	7.4	11.0

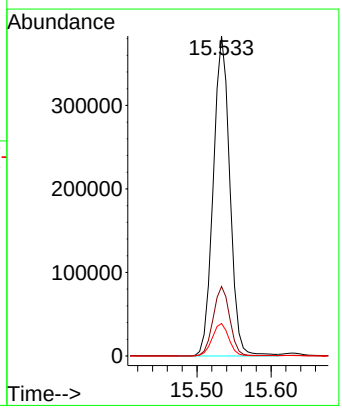


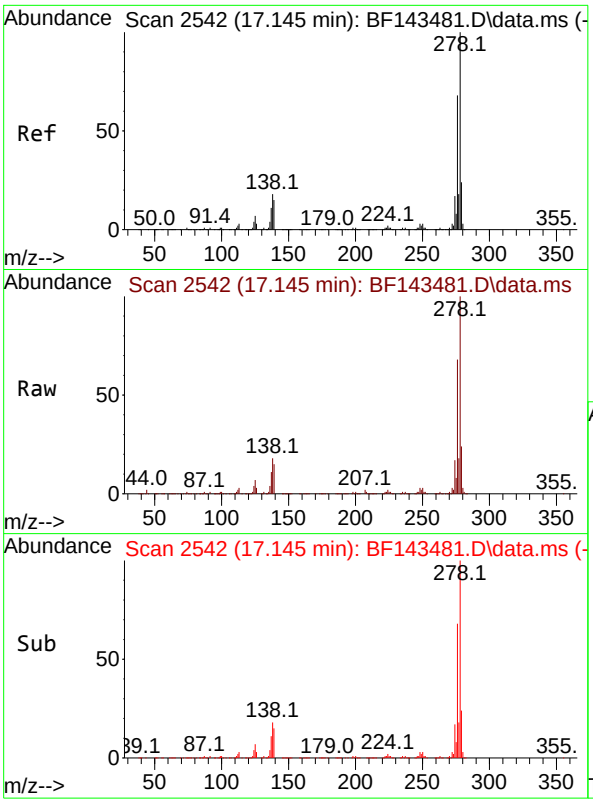


#90
Benzo(a)pyrene
Concen: 39.996 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:252 Resp: 594623

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.2	8.2	12.2



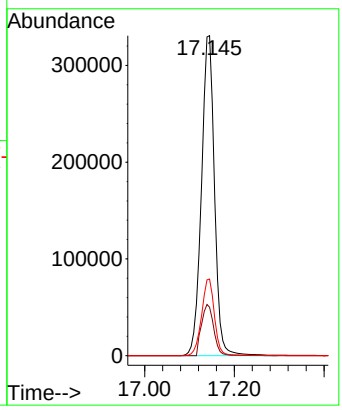


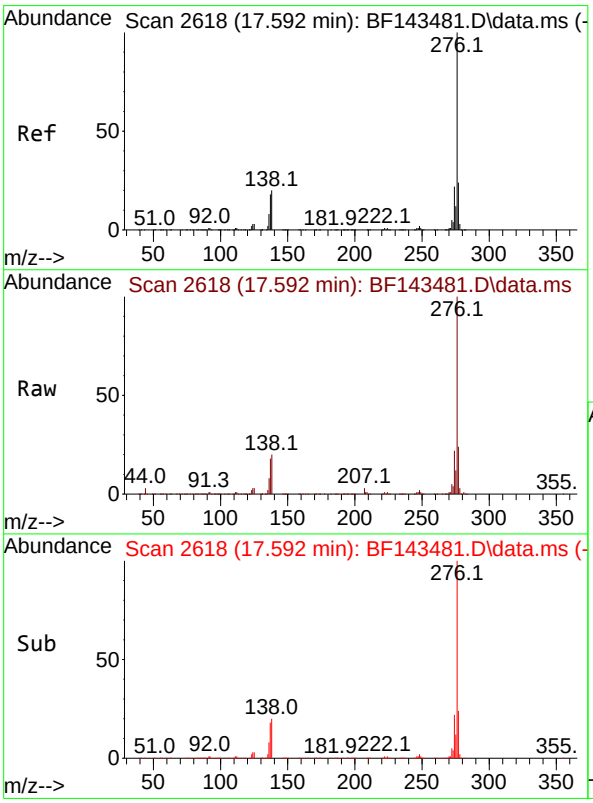
#91
Dibenzo(a,h)anthracene
Concen: 40.370 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 669452

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.1	18.1
279	24.0	19.2	28.8

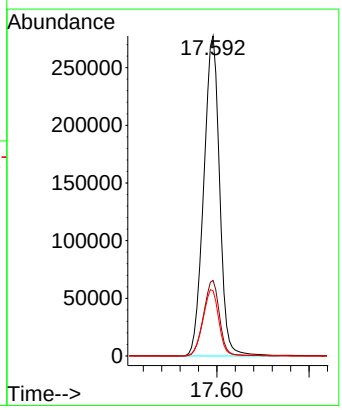




#92
Benzo(g,h,i)perylene
Concen: 40.417 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143481.D
Acq: 20 Aug 2025 12:53

Tgt Ion:276 Resp: 666442

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	20.4	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143482.D
Acq On : 20 Aug 2025 13:22
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 20 16:23:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	136821	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	508977	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	274766	20.000	ng		0.00
64) Phenanthrene-d10	11.457	188	422398	20.000	ng		0.00
76) Chrysene-d12	14.098	240	244315	20.000	ng		0.00
86) Perylene-d12	15.598	264	288719	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	743545	94.894	ng		0.00
7) Phenol-d6	6.569	99	917735	94.880	ng		0.00
23) Nitrobenzene-d5	7.492	82	851921	97.674	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	248877	97.306	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	1518897	91.359	ng		0.00
79) Terphenyl-d14	13.039	244	1336561	95.465	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.740	88	177472	48.893	ng		99
3) Pyridine	3.516	79	475201	49.153	ng		99
4) n-Nitrosodimethylamine	3.463	42	216544	49.825	ng		98
6) Aniline	6.592	93	615592	47.614	ng		93
8) 2-Chlorophenol	6.722	128	420515	48.589	ng		98
9) Benzaldehyde	6.481	77	387617	49.497	ng		99
10) Phenol	6.581	94	531465	47.696	ng		98
11) bis(2-Chloroethyl)ether	6.663	93	400326	48.077	ng		98
12) 1,3-Dichlorobenzene	6.869	146	460100	47.316	ng		99
13) 1,4-Dichlorobenzene	6.945	146	463354	47.503	ng		99
14) 1,2-Dichlorobenzene	7.098	146	440736	47.724	ng		100
15) Benzyl Alcohol	7.069	79	355789	49.130	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	617519	46.354	ng		95
17) 2-Methylphenol	7.187	107	333608	48.029	ng		98
18) Hexachloroethane	7.439	117	157972	47.633	ng		97
19) n-Nitroso-di-n-propyla...	7.339	70	273528	46.266	ng		98
20) 3+4-Methylphenols	7.339	107	391106	47.167	ng		96
22) Acetophenone	7.339	105	511600	46.526	ng	#	99
24) Nitrobenzene	7.510	77	443345	49.387	ng		100
25) Isophorone	7.751	82	773853	48.401	ng		99
26) 2-Nitrophenol	7.828	139	222383	50.572	ng		100
27) 2,4-Dimethylphenol	7.863	122	333188	48.606	ng		98
28) bis(2-Chloroethoxy)met...	7.957	93	472331	48.070	ng		99
29) 2,4-Dichlorophenol	8.075	162	358054	48.908	ng		100
30) 1,2,4-Trichlorobenzene	8.151	180	358839	47.673	ng		99
31) Naphthalene	8.234	128	1154068	47.228	ng		100
32) Benzoic acid	7.992	122	194231	49.619	ng		97
33) 4-Chloroaniline	8.281	127	421648	48.617	ng		99
34) Hexachlorobutadiene	8.351	225	236186	48.095	ng		100
35) Caprolactam	8.657	113	90192	51.340	ng		98
36) 4-Chloro-3-methylphenol	8.763	107	355809	48.497	ng		99
37) 2-Methylnaphthalene	8.922	142	763368	46.774	ng		100
38) 1-Methylnaphthalene	9.022	142	734490	47.049	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	373639	47.541	ng		100
41) Hexachlorocyclopentadiene	9.081	237	141023	48.905	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	241322	49.900	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143482.D
Acq On : 20 Aug 2025 13:22
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 20 16:23:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

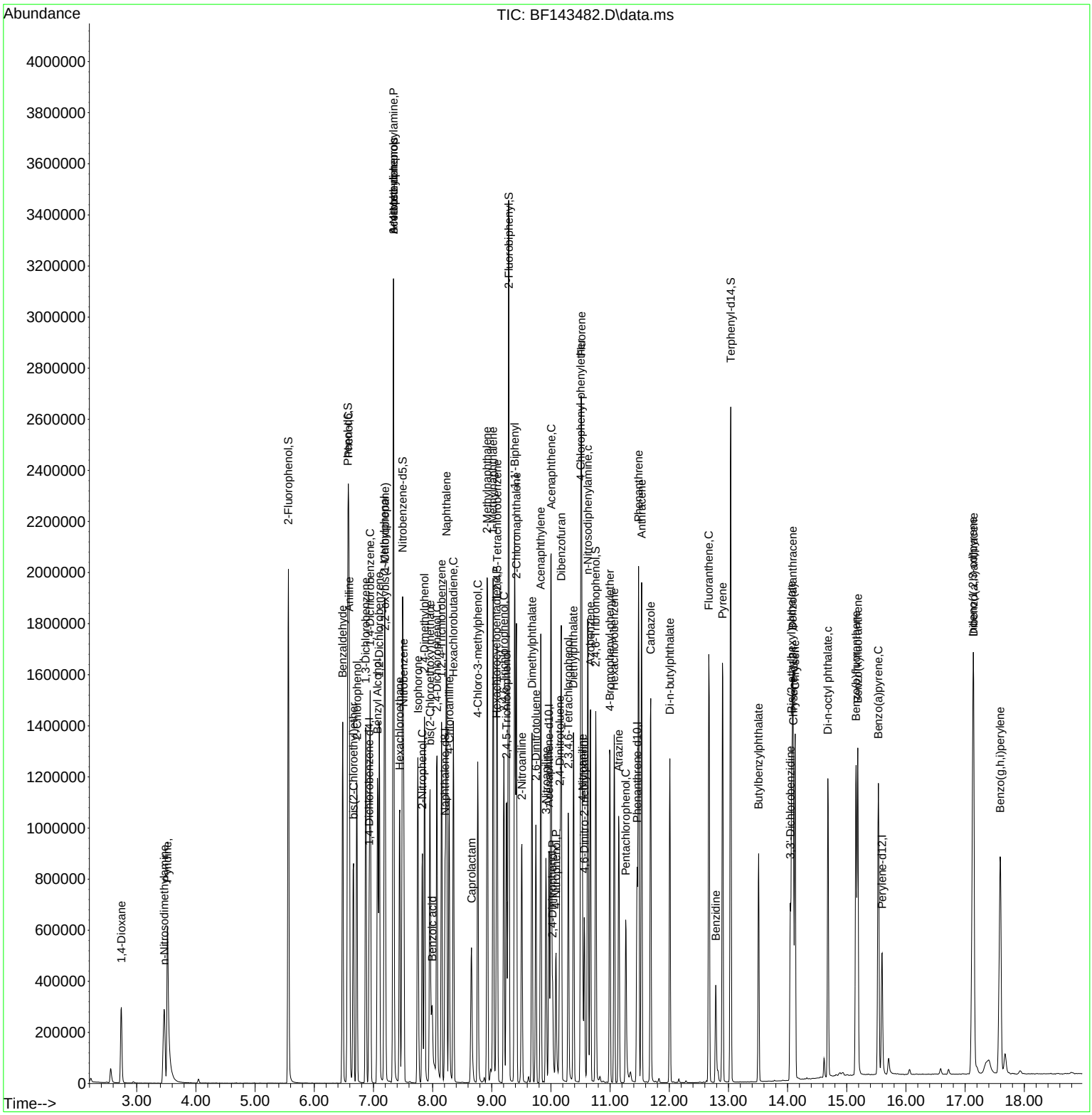
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	259061	49.041	ng	98
46) 1,1'-Biphenyl	9.386	154	917350	47.038	ng	100
47) 2-Chloronaphthalene	9.416	162	725620	47.420	ng	99
48) 2-Nitroaniline	9.510	65	226106	50.489	ng	94
49) Acenaphthylene	9.828	152	1041531	47.536	ng	100
50) Dimethylphthalate	9.681	163	795814	48.090	ng	100
51) 2,6-Dinitrotoluene	9.745	165	178703	52.104	ng	100
52) Acenaphthene	10.004	154	712642	47.905	ng	100
53) 3-Nitroaniline	9.916	138	187598	50.620	ng	99
54) 2,4-Dinitrophenol	10.028	184	90529	51.384	ng	100
55) Dibenzofuran	10.175	168	1003468	47.313	ng	100
56) 4-Nitrophenol	10.086	139	121261	54.991	ng	98
57) 2,4-Dinitrotoluene	10.151	165	236039	51.542	ng	99
58) Fluorene	10.516	166	763347	46.763	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	202049	51.483	ng	99
60) Diethylphthalate	10.380	149	723386	48.756	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	383570	46.985	ng	100
62) 4-Nitroaniline	10.533	138	175033	51.418	ng	99
63) Azobenzene	10.669	77	742238	48.247	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	126533	53.128	ng	98
66) n-Nitrosodiphenylamine	10.622	169	649619	47.789	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	242477	48.112	ng	99
68) Hexachlorobenzene	11.069	284	261883	48.206	ng	98
69) Atrazine	11.145	200	180342	51.394	ng	99
70) Pentachlorophenol	11.263	266	133776	53.767	ng	100
71) Phenanthrene	11.480	178	1071808	47.383	ng	100
72) Anthracene	11.533	178	1079686	47.117	ng	100
73) Carbazole	11.686	167	896352	47.738	ng	99
74) Di-n-butylphthalate	12.010	149	879812	50.228	ng	99
75) Fluoranthene	12.669	202	964831	47.536	ng	99
77) Benzidine	12.786	184	238772	40.122	ng	100
78) Pyrene	12.898	202	970991	48.316	ng	100
80) Butylbenzylphthalate	13.510	149	281664	51.304	ng	99
81) Benzo(a)anthracene	14.086	228	773434	49.172	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	216024	47.957	ng	98
83) Chrysene	14.127	228	665070	47.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	421199	50.372	ng	100
85) Di-n-octyl phthalate	14.680	149	764123	49.329	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1030025	49.646	ng	100
88) Benzo(b)fluoranthene	15.157	252	763584	47.579	ng	100
89) Benzo(k)fluoranthene	15.186	252	746332	48.570	ng	100
90) Benzo(a)pyrene	15.533	252	728853	48.927	ng	100
91) Dibenzo(a,h)anthracene	17.145	278	824368	49.612	ng	100
92) Benzo(g,h,i)perylene	17.592	276	826803	50.042	ng	99

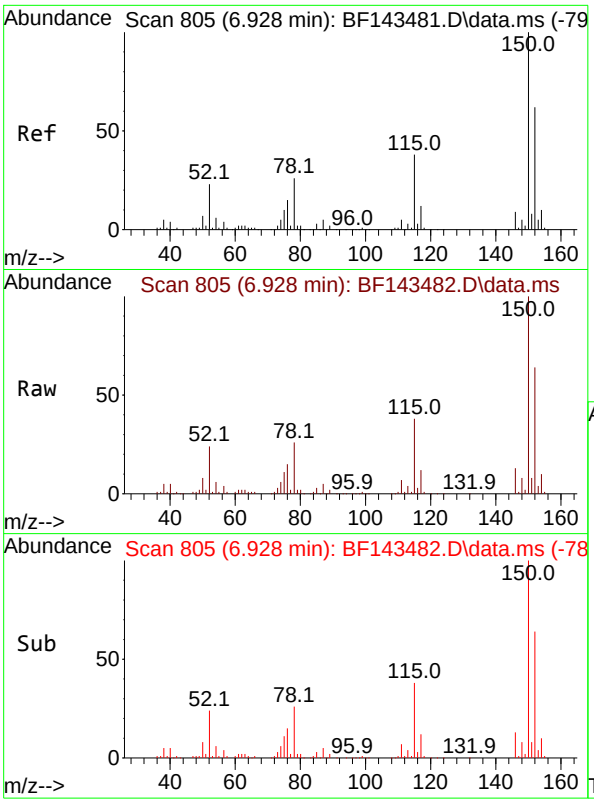
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143482.D
Acq On : 20 Aug 2025 13:22
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 20 16:23:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



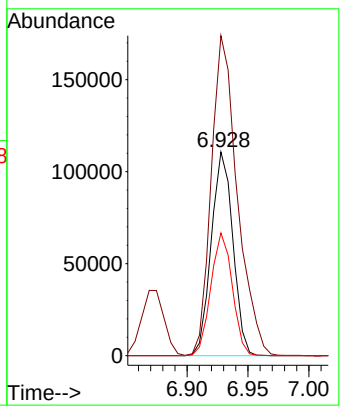


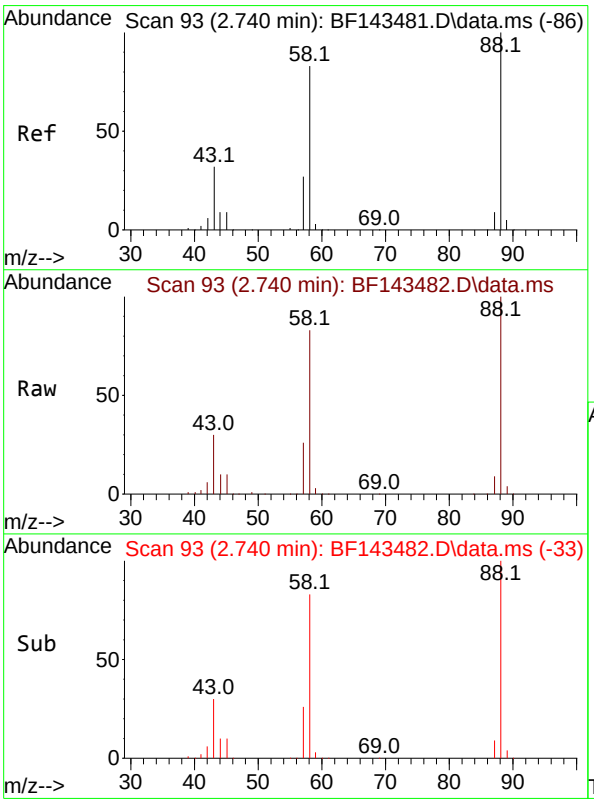
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 136821

Ion	Ratio	Lower	Upper
152	100		
150	157.1	128.9	193.3
115	60.2	49.2	73.8

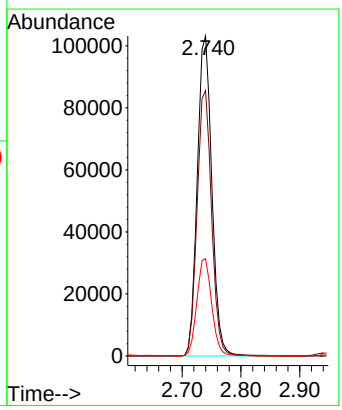


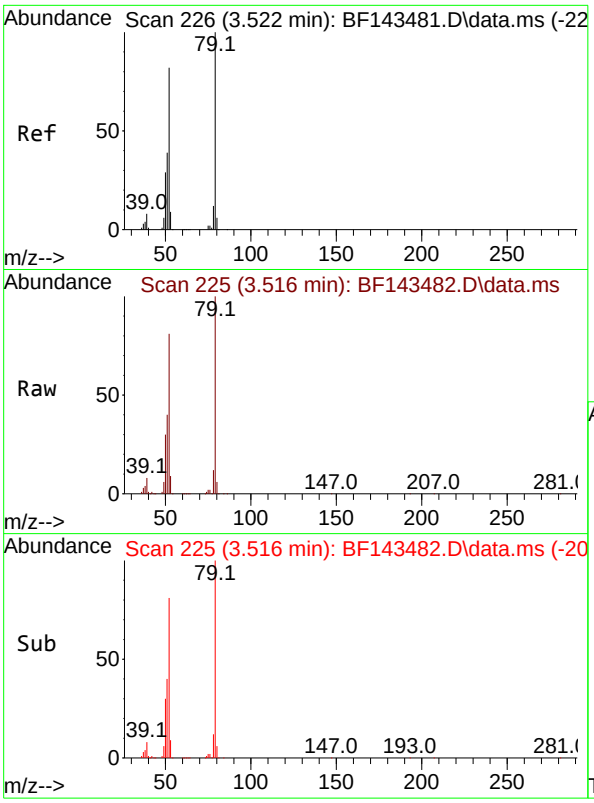


#2
1,4-Dioxane
Concen: 48.893 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 88 Resp: 177472

Ion	Ratio	Lower	Upper
88	100		
58	82.6	66.7	100.1
43	31.1	25.8	38.8



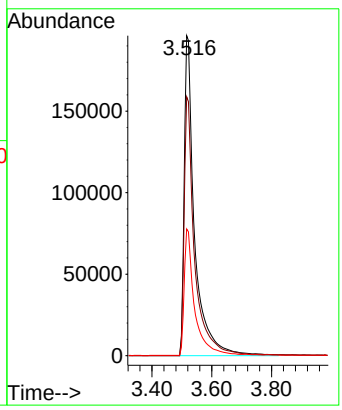


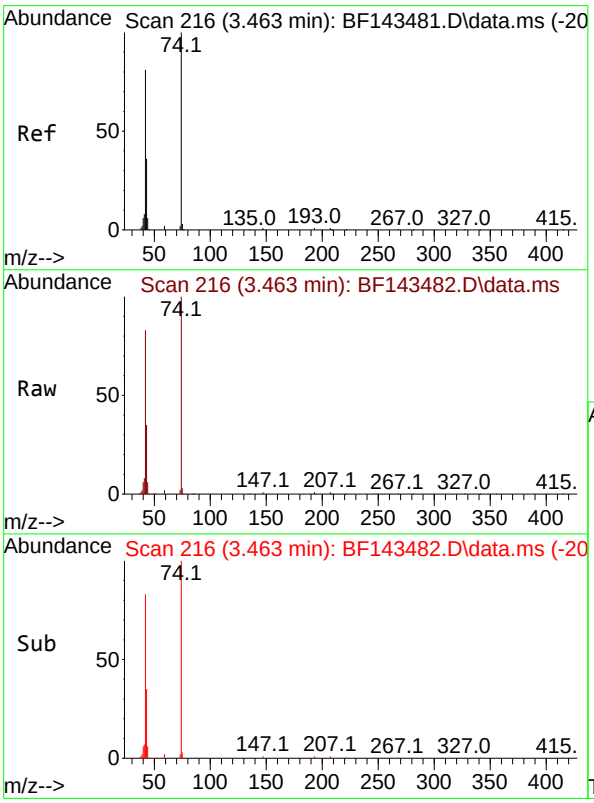
#3
Pyridine
Concen: 49.153 ng
RT: 3.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 475201

Ion	Ratio	Lower	Upper
79	100		
52	80.9	65.6	98.4
51	39.6	31.2	46.8

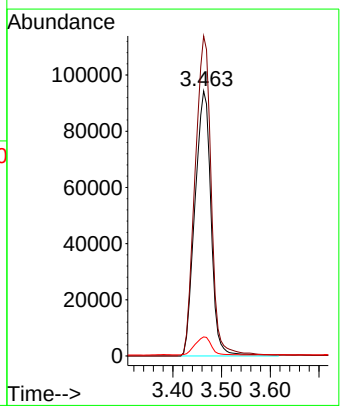


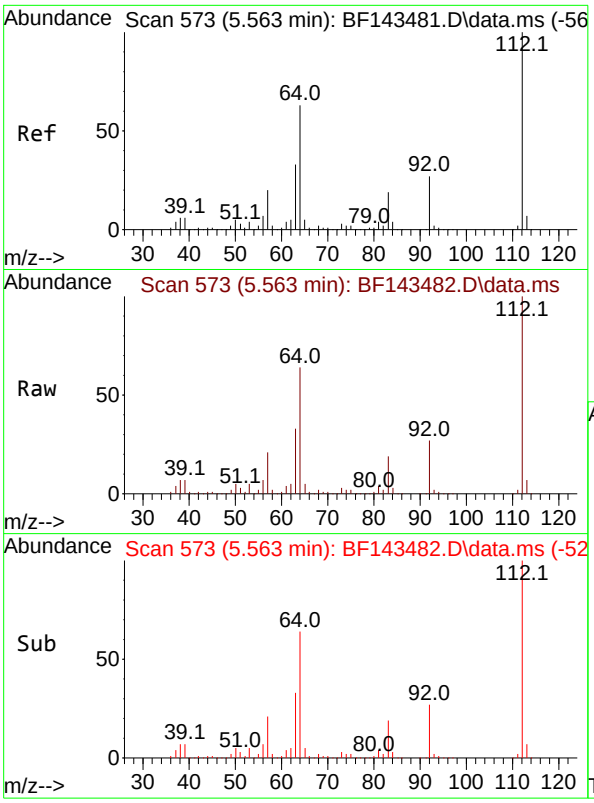


#4
n-Nitrosodimethylamine
Concen: 49.825 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 42 Resp: 216544

Ion	Ratio	Lower	Upper
42	100		
74	120.7	98.6	148.0
44	7.2	5.8	8.8



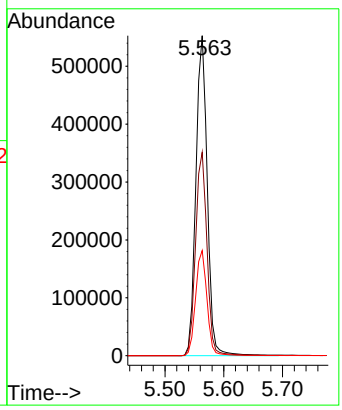


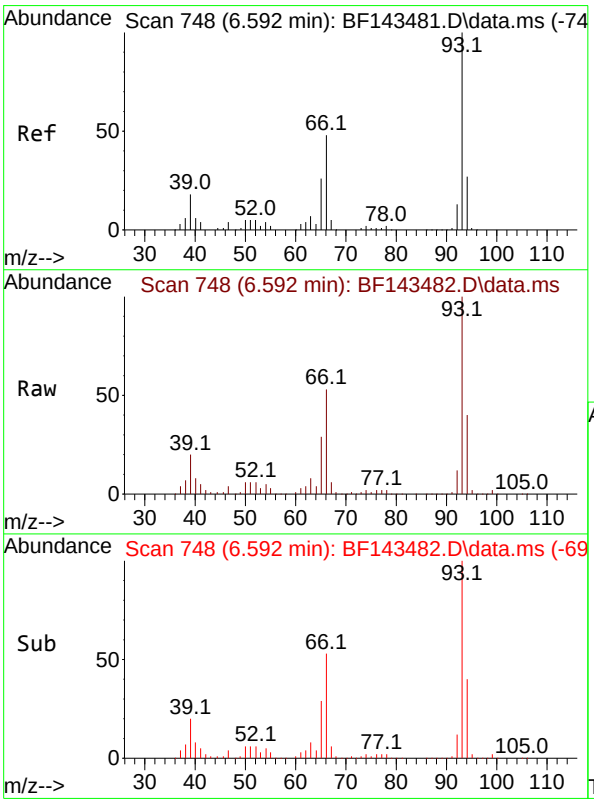
#5
2-Fluorophenol
Concen: 94.894 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 743545

Ion	Ratio	Lower	Upper
112	100		
64	63.5	50.4	75.6
63	32.9	26.4	39.6

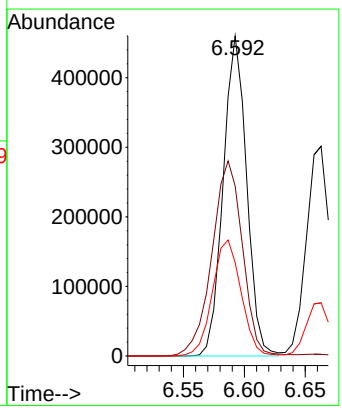


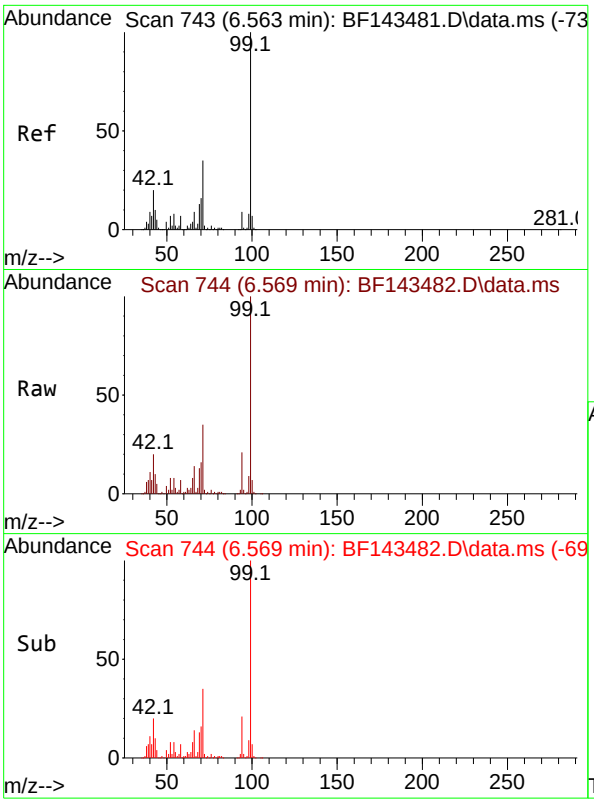


#6
Aniline
Concen: 47.614 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 93 Resp: 615592

Ion	Ratio	Lower	Upper
93	100		
66	53.1	38.9	58.3
65	29.2	20.6	30.8



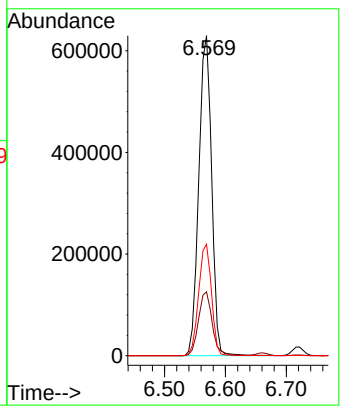


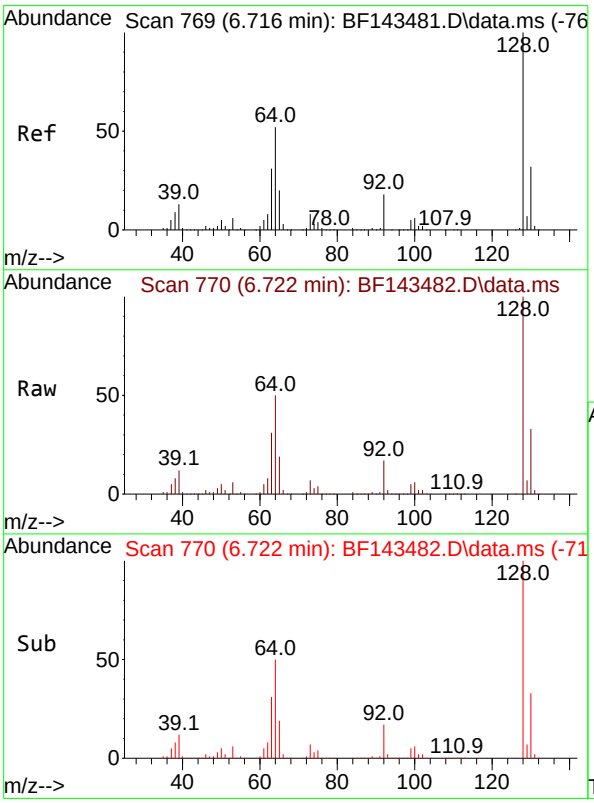
#7
Phenol-d6
Concen: 94.880 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 917735

Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.3	24.5
71	34.8	28.2	42.2

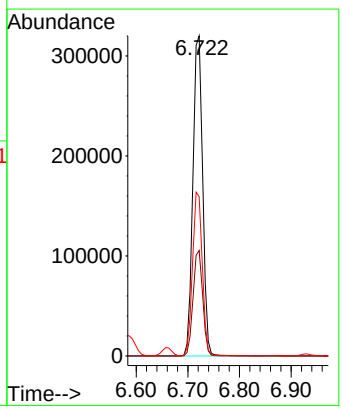


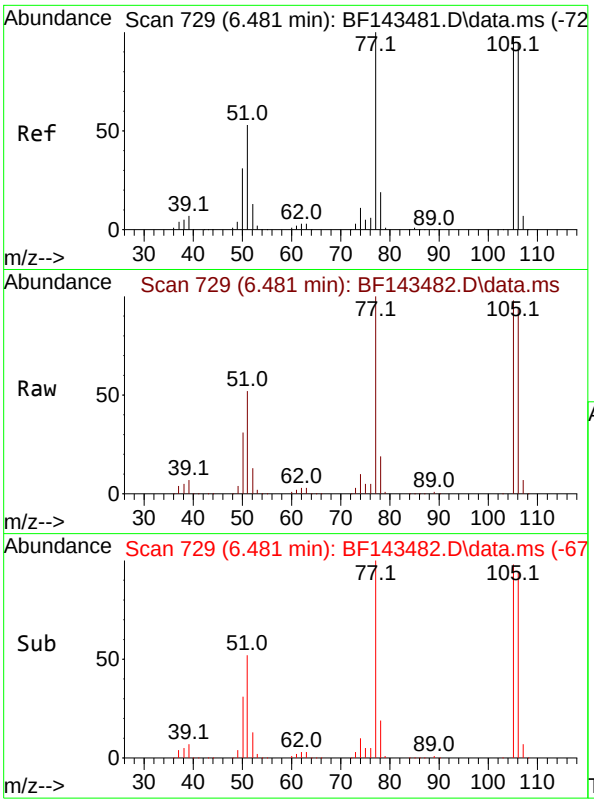


#8
2-Chlorophenol
Concen: 48.589 ng
RT: 6.722 min Scan# 770
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:128 Resp: 420515

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.4	52.4
64	49.8	31.6	71.6



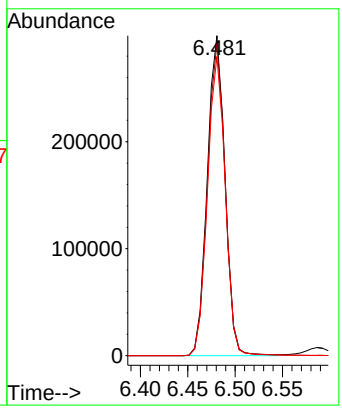


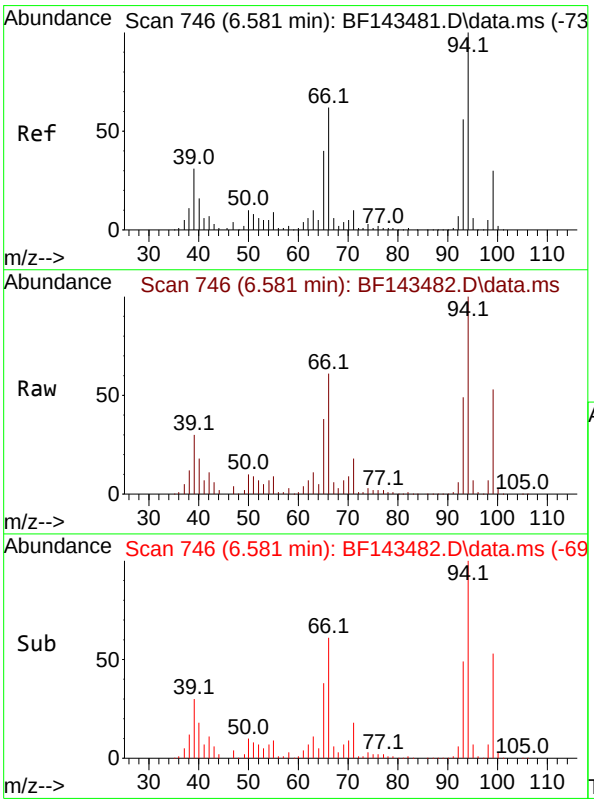
#9
Benzaldehyde
Concen: 49.497 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 387617

Ion	Ratio	Lower	Upper
77	100		
105	97.5	78.1	118.1
106	93.5	74.9	114.9

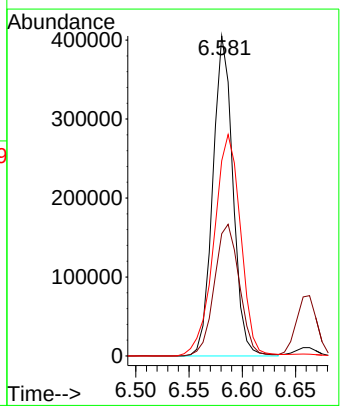


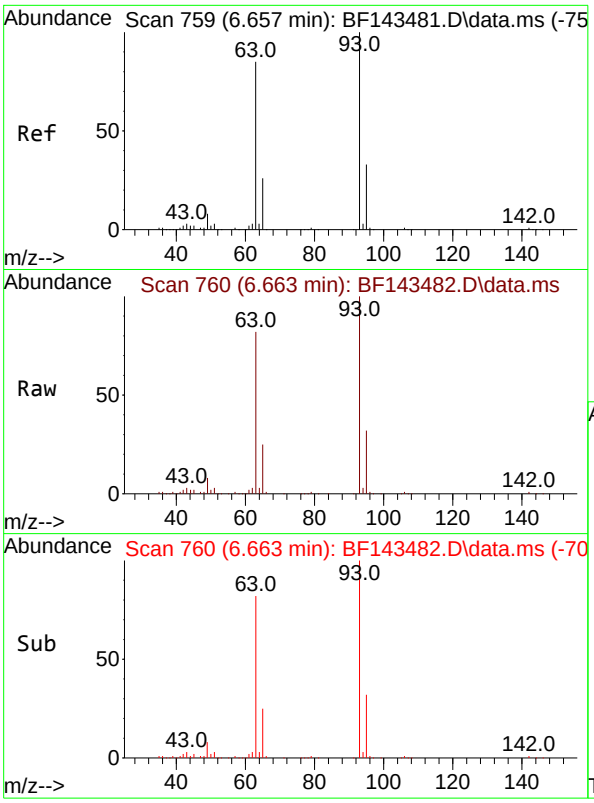


#10
Phenol
Concen: 47.696 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 94 Resp: 531465

Ion	Ratio	Lower	Upper
94	100		
65	38.2	19.5	59.5
66	61.0	42.5	82.5



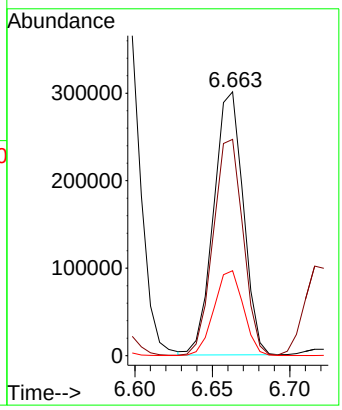


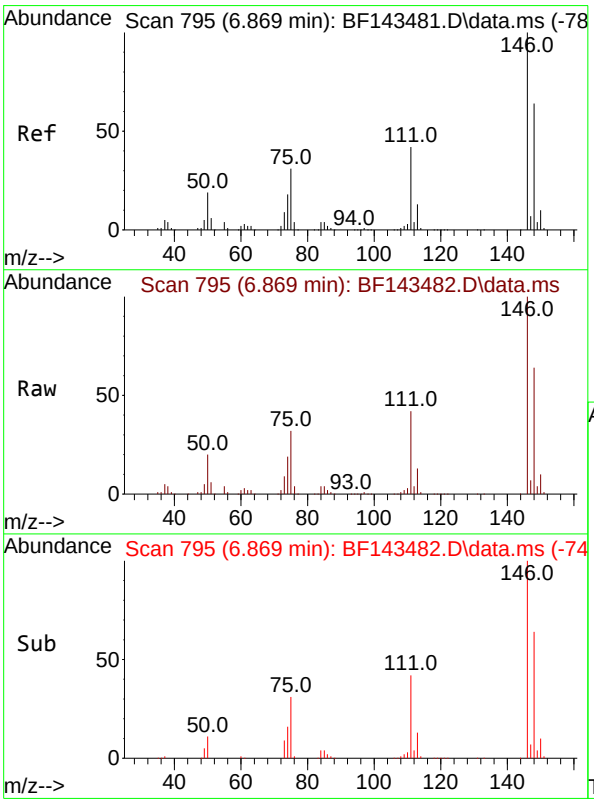
#11
bis(2-Chloroethyl)ether
Concen: 48.077 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 400326

Ion	Ratio	Lower	Upper
93	100		
63	82.0	63.6	103.6
95	32.2	12.8	52.8

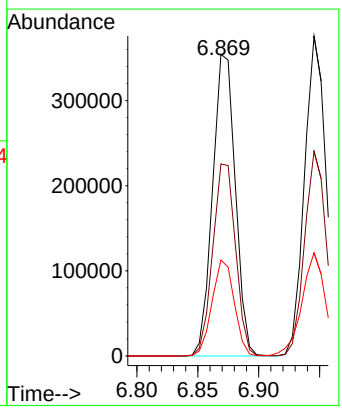


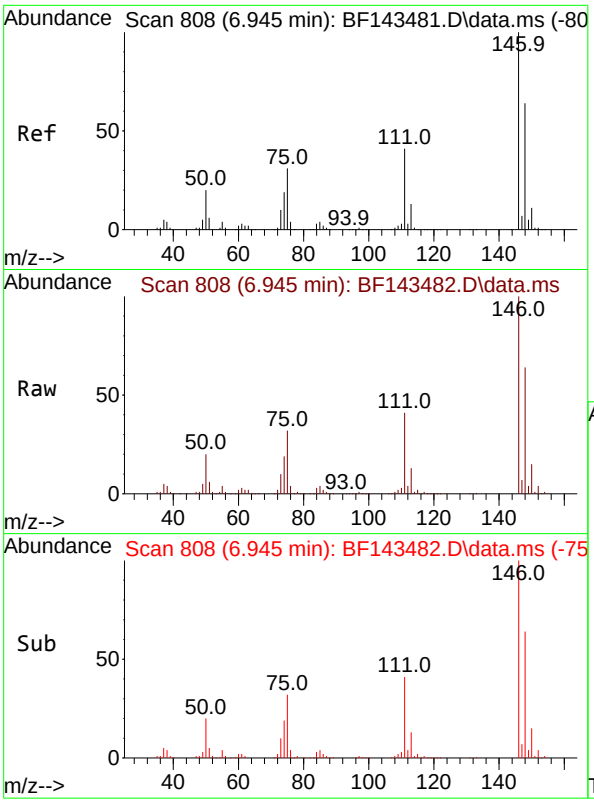


#12
1,3-Dichlorobenzene
Concen: 47.316 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:146 Resp: 460100

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
75	31.8	24.7	37.1



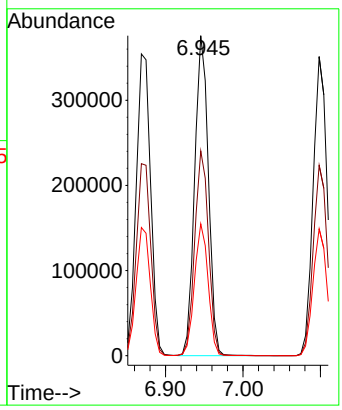


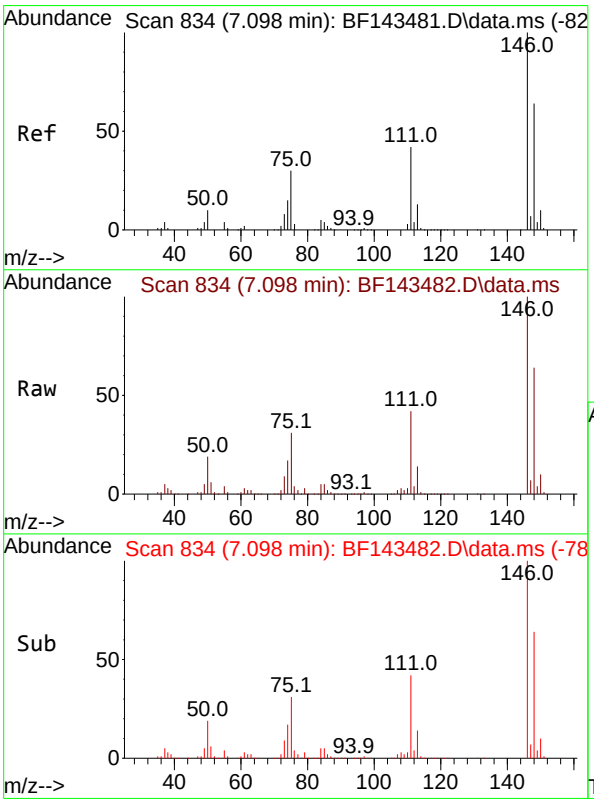
#13
1,4-Dichlorobenzene
Concen: 47.503 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 463354

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	41.2	32.6	49.0

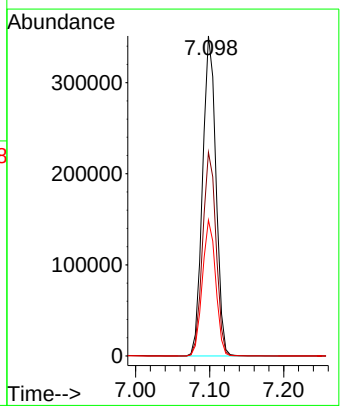


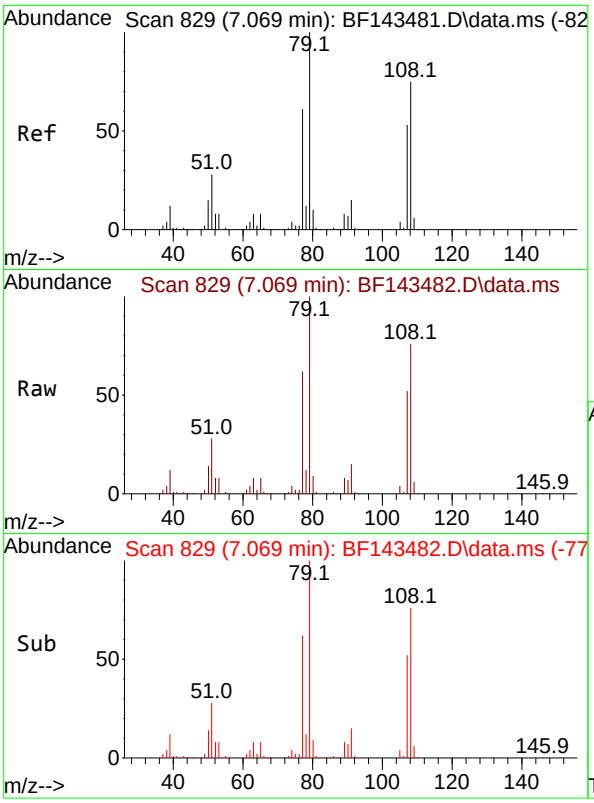


#14
1,2-Dichlorobenzene
Concen: 47.724 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:146 Resp: 440736

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	42.4	34.0	51.0



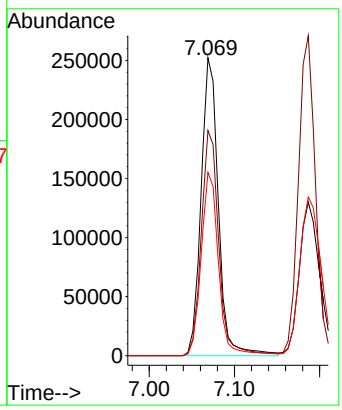


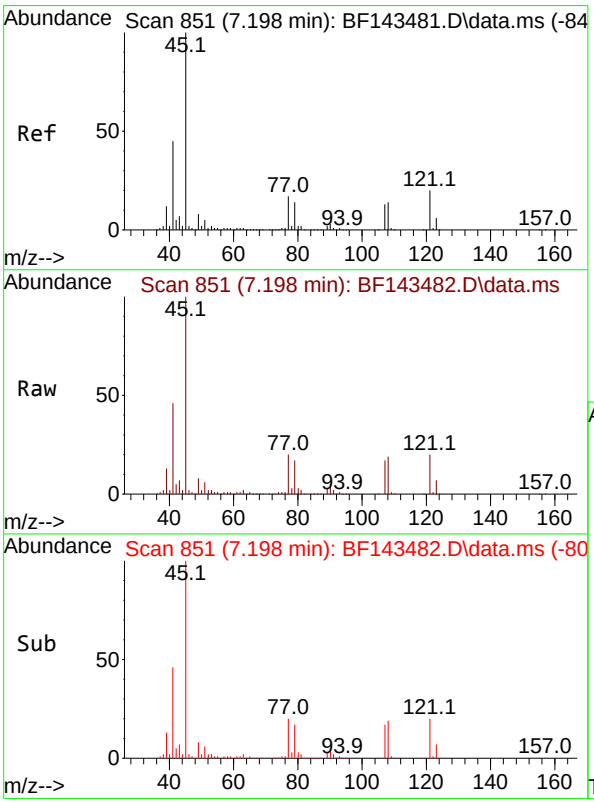
#15
Benzyl Alcohol
Concen: 49.130 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 355789

Ion	Ratio	Lower	Upper
79	100		
108	75.6	59.8	89.6
77	61.5	49.0	73.4

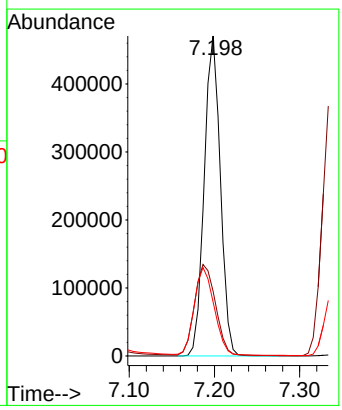


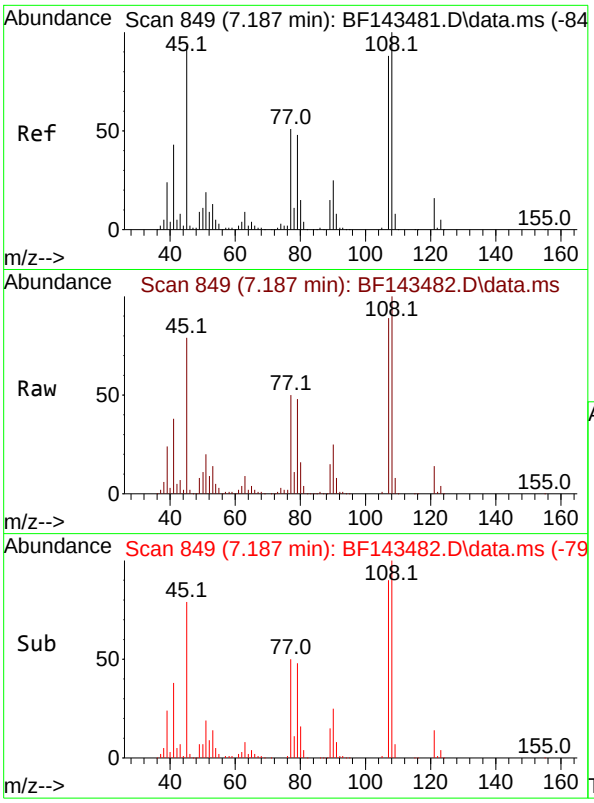


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.354 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 45 Resp: 617519

Ion	Ratio	Lower	Upper
45	100		
77	20.2	0.0	37.9
79	16.9	0.0	34.7



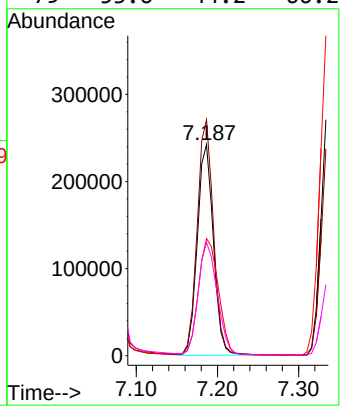


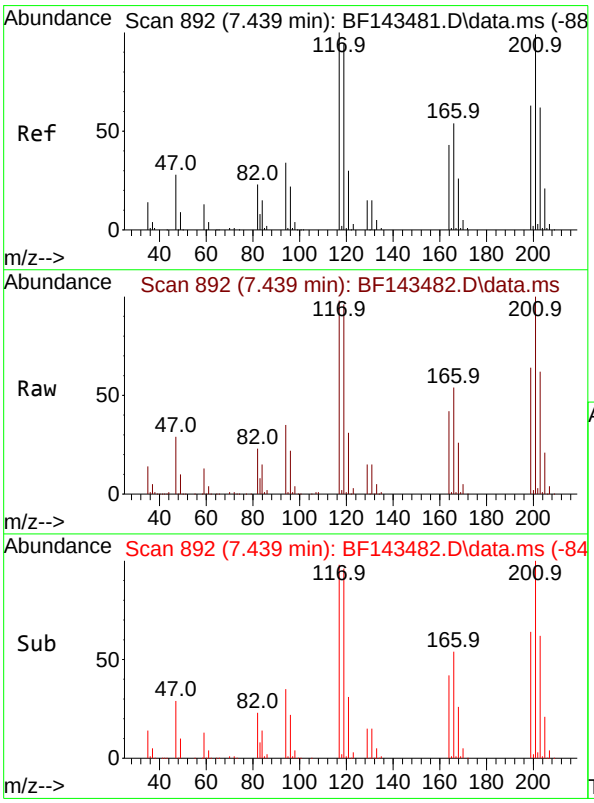
#17
2-Methylphenol
Concen: 48.029 ng
RT: 7.187 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 333608

Ion	Ratio	Lower	Upper
107	100		
108	111.7	91.1	136.7
77	55.4	46.2	69.4
79	53.6	44.2	66.2

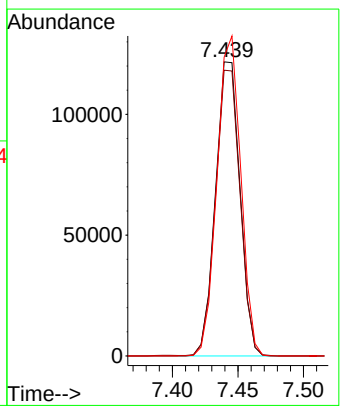


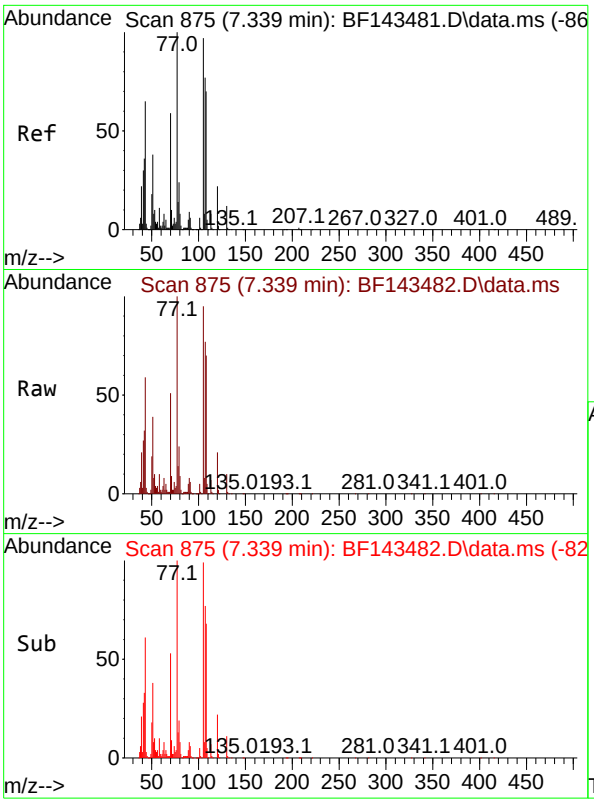


#18
Hexachloroethane
Concen: 47.633 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:117 Resp: 157972

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.4	113.0
201	101.6	79.0	118.4



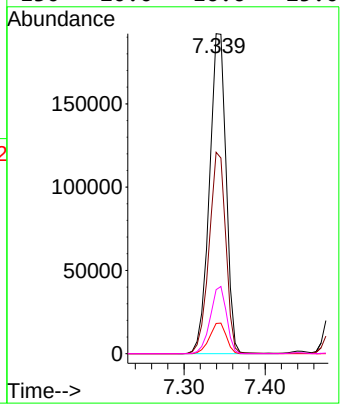


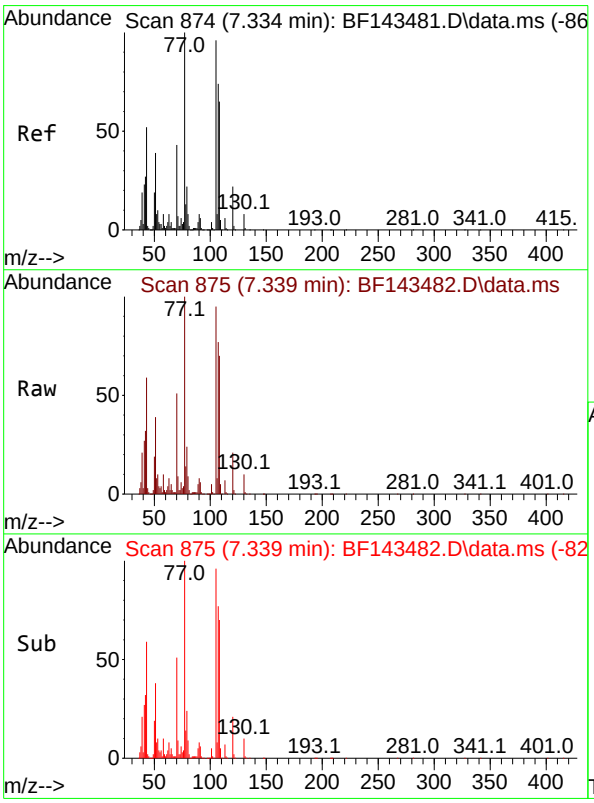
#19
n-Nitroso-di-n-propylamine
Concen: 46.266 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 273528

Ion	Ratio	Lower	Upper
70	100		
42	62.9	49.3	73.9
101	9.5	7.8	11.8
130	20.0	16.6	25.0

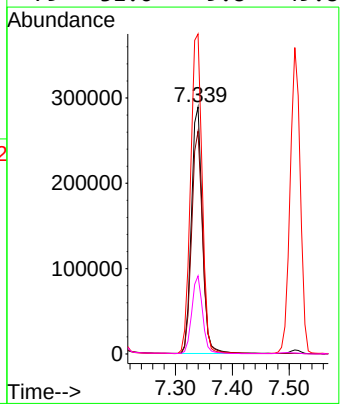


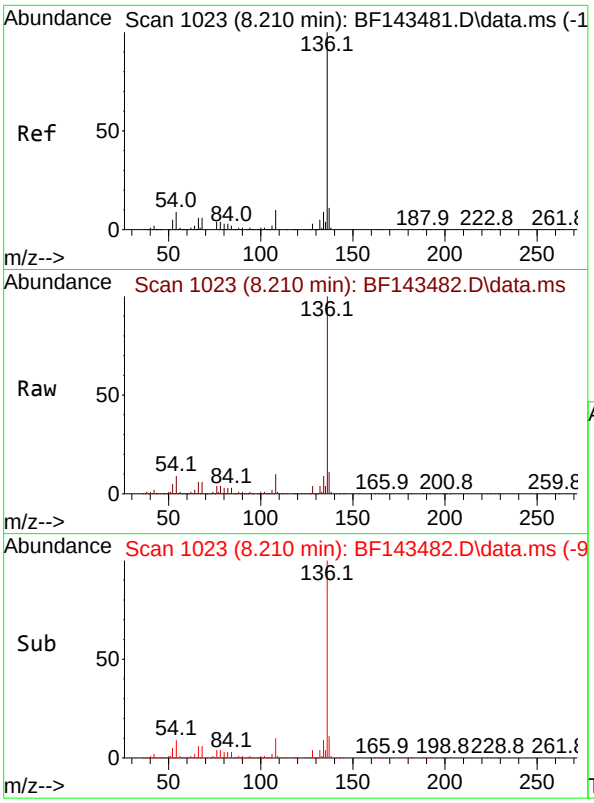


#20
3+4-Methylphenols
Concen: 47.167 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:107 Resp: 391106

Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.4	108.4
77	129.6	116.1	156.1
79	31.6	9.8	49.8



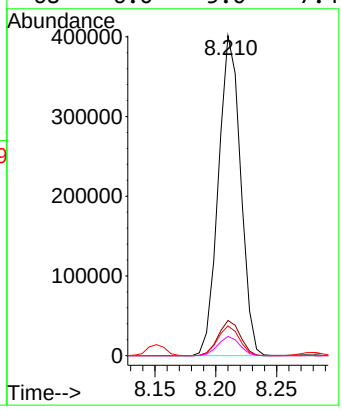


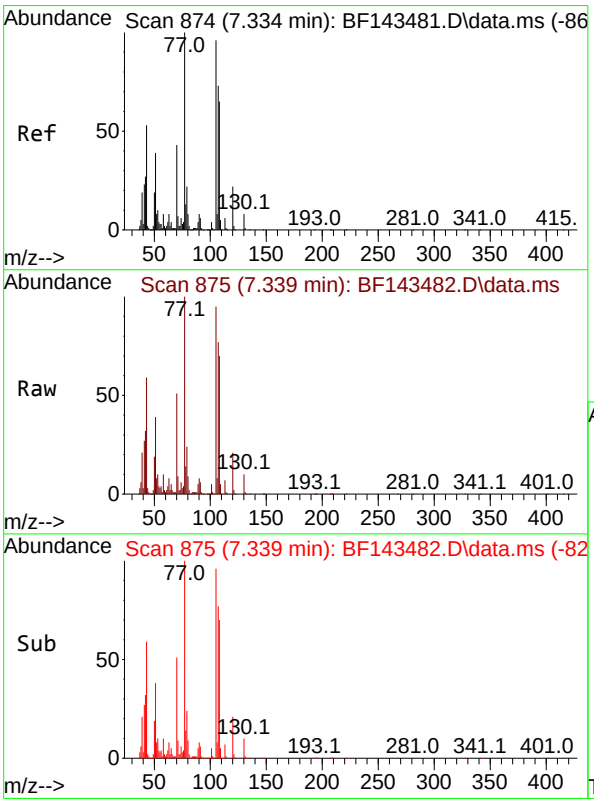
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 508977

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4

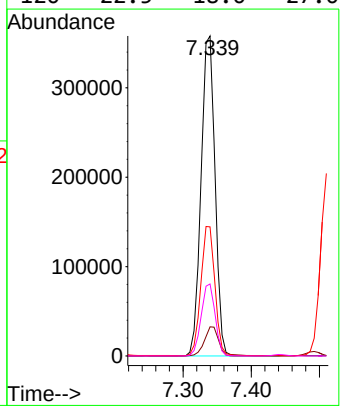


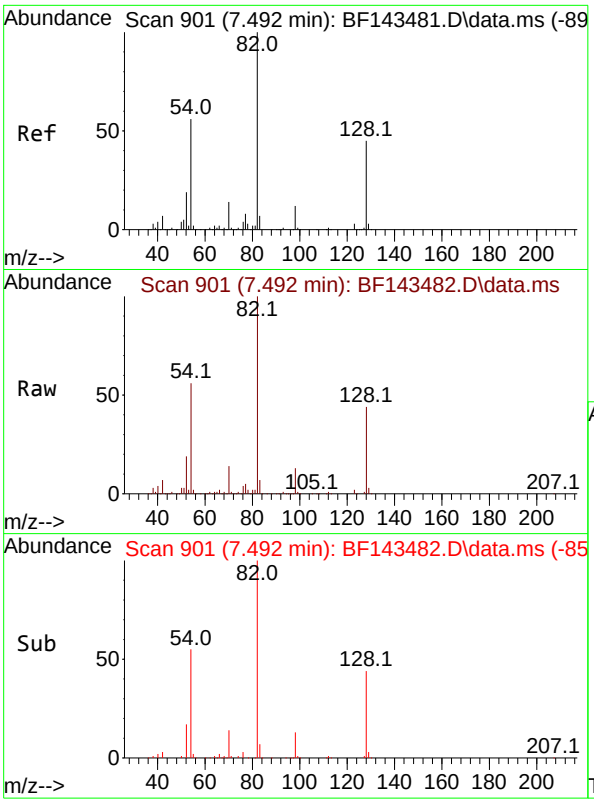


#22
Acetophenone
Concen: 46.526 ng
RT: 7.339 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:105 Resp: 511600

Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.9	8.9#
51	40.3	32.5	48.7
120	22.5	18.0	27.0



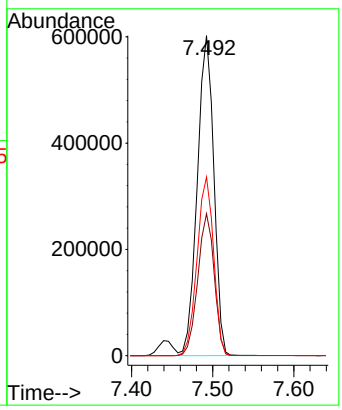


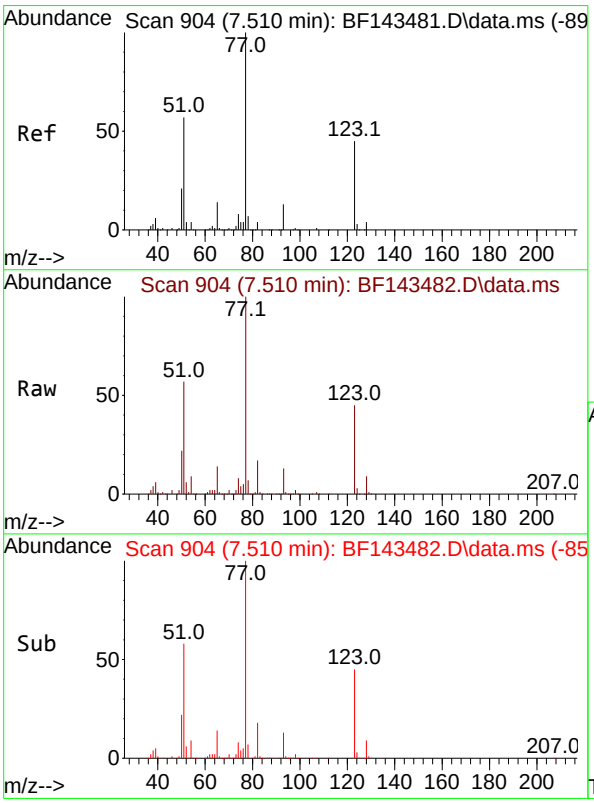
#23
Nitrobenzene-d5
Concen: 97.674 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 851921

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.5	53.3
54	55.8	44.3	66.5

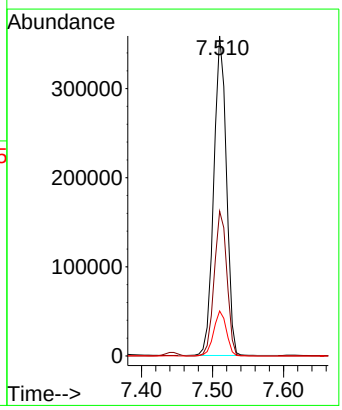


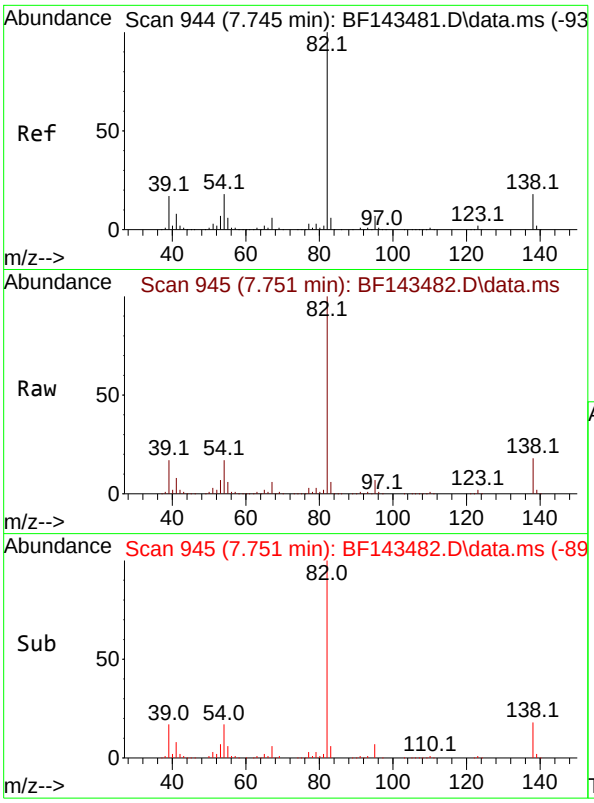


#24
Nitrobenzene
Concen: 49.387 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 77 Resp: 443345

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.1	11.0	16.6



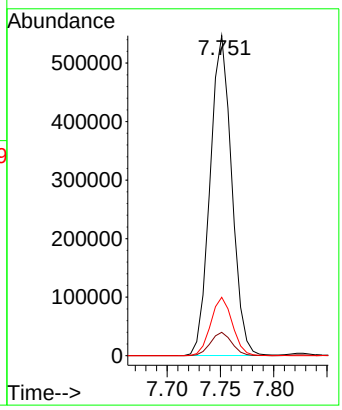


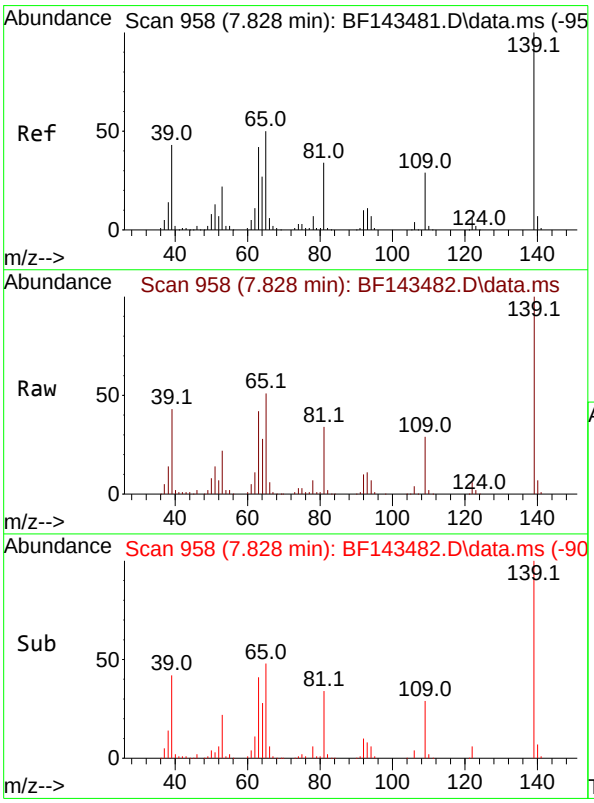
#25
Isophorone
Concen: 48.401 ng
RT: 7.751 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 773853

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.3	14.2	21.4

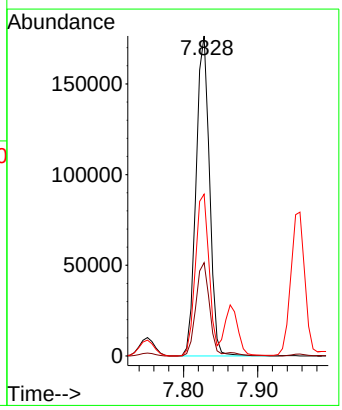


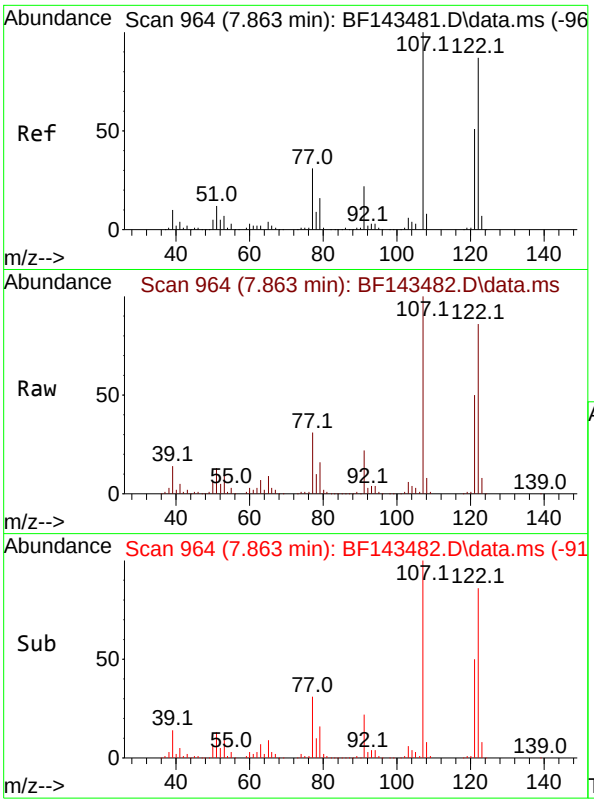


#26
2-Nitrophenol
Concen: 50.572 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:139 Resp: 222383

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.0	34.6
65	50.5	40.3	60.5



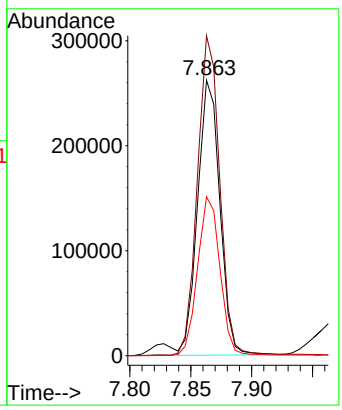


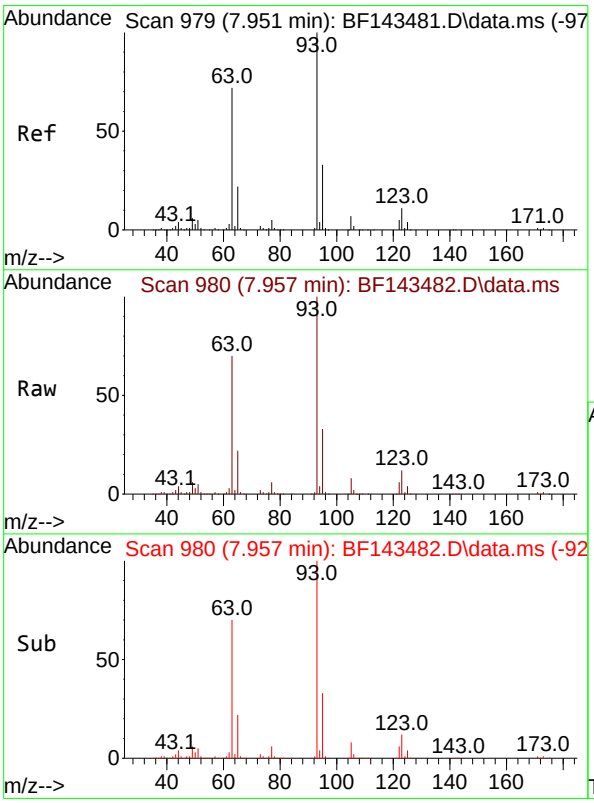
#27
2,4-Dimethylphenol
Concen: 48.606 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 333188

Ion	Ratio	Lower	Upper
122	100		
107	116.2	91.5	137.3
121	57.7	47.0	70.4

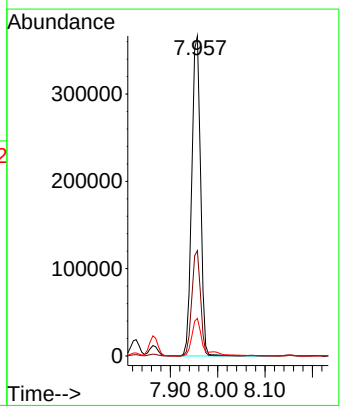


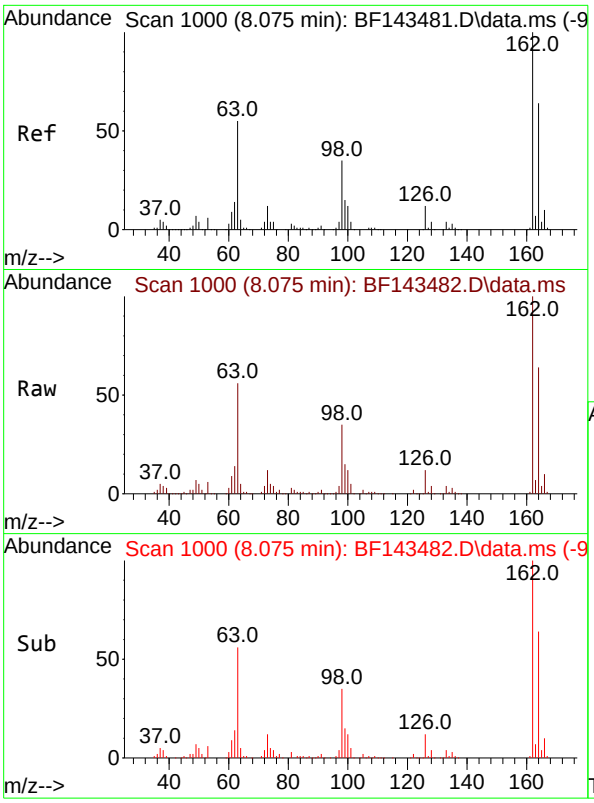


#28
bis(2-Chloroethoxy)methane
Concen: 48.070 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 93 Resp: 472331

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	11.7	9.1	13.7



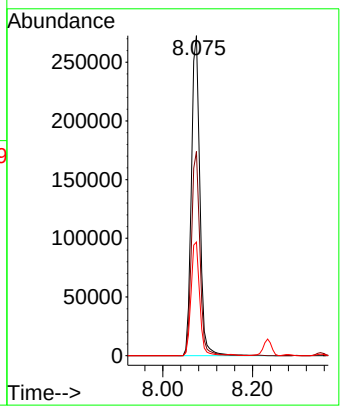


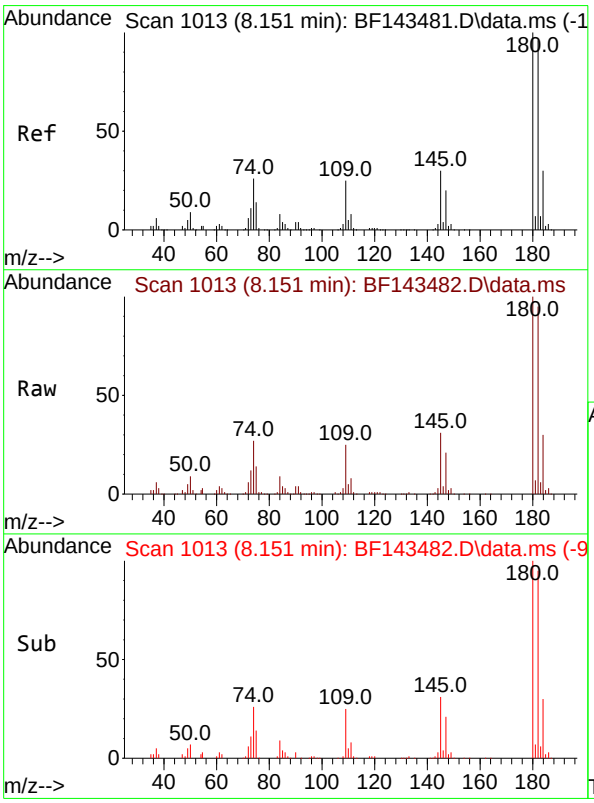
#29
2,4-Dichlorophenol
Concen: 48.908 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 358054

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.5	83.5
98	35.5	15.1	55.1

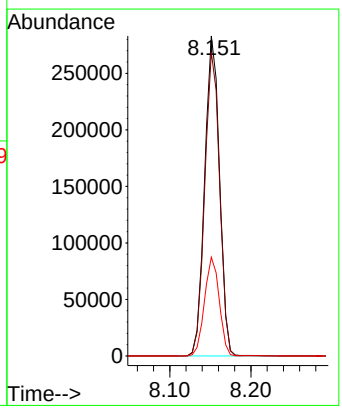


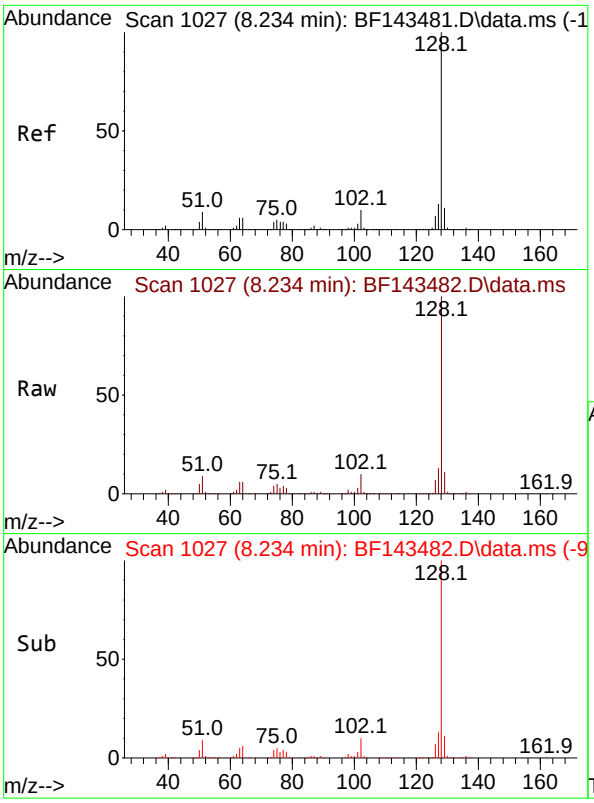


#30
1,2,4-Trichlorobenzene
Concen: 47.673 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:180 Resp: 358839

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	30.8	24.3	36.5



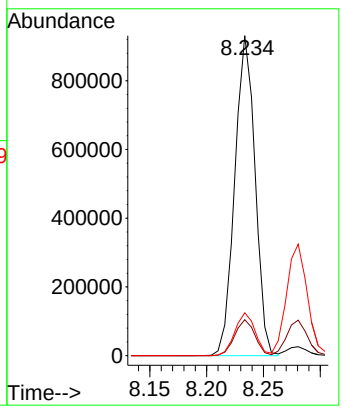


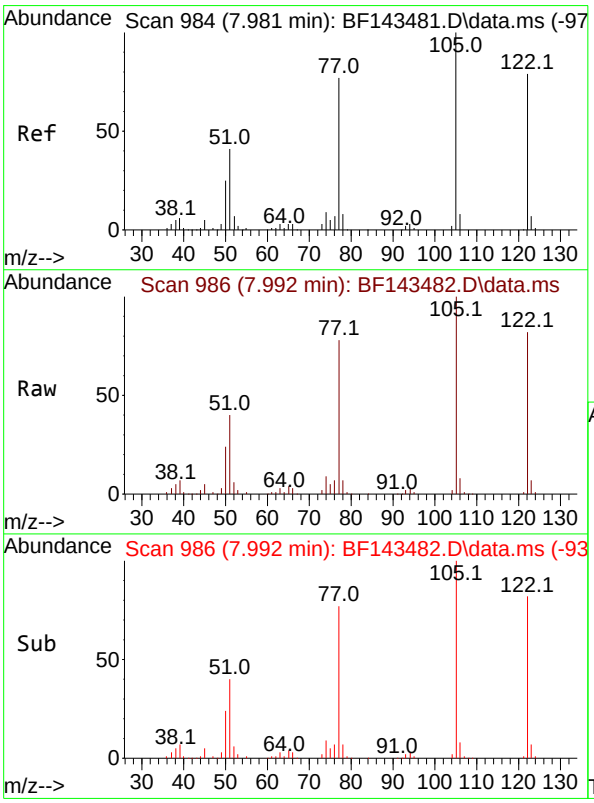
#31
Naphthalene
Concen: 47.228 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1154068

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.4	10.6	16.0

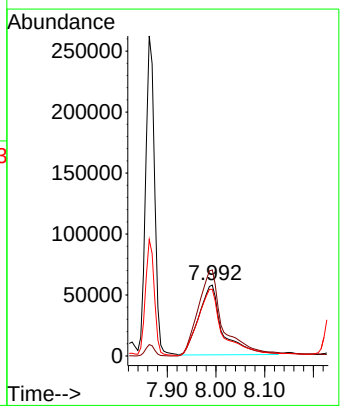


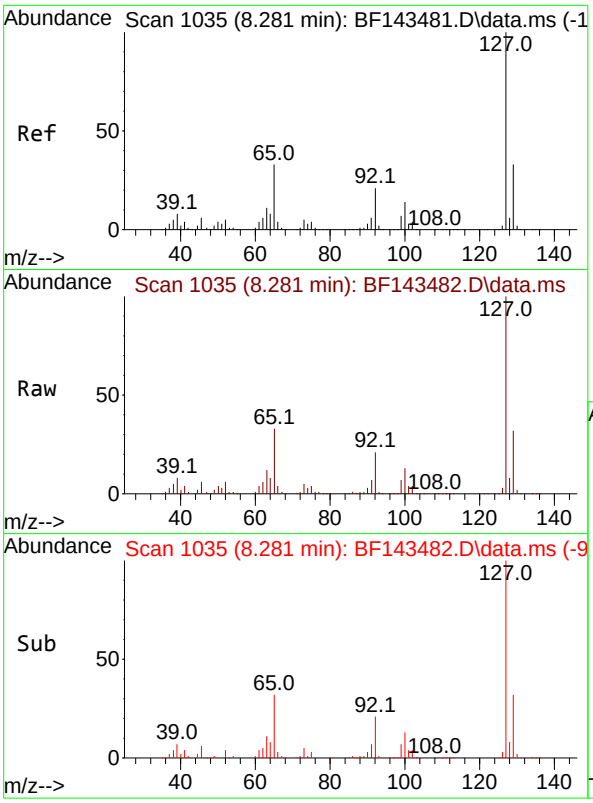


#32
Benzoic acid
Concen: 49.619 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.018 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:122 Resp: 194231

Ion	Ratio	Lower	Upper
122	100		
105	121.3	104.7	144.7
77	94.1	77.3	117.3



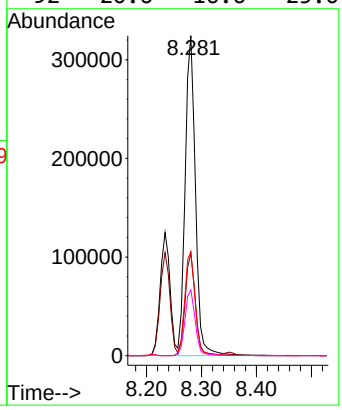


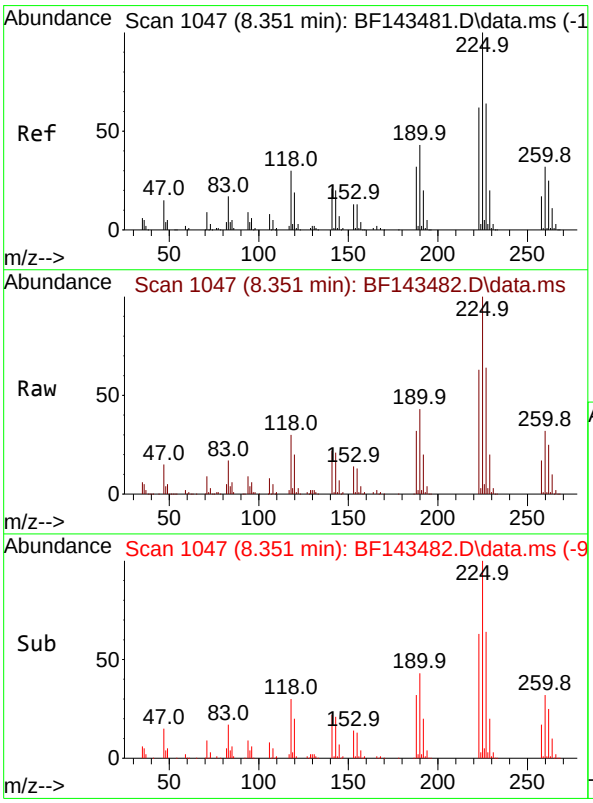
#33
4-Chloroaniline
Concen: 48.617 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 421648

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	32.5	26.2	39.2
92	20.6	16.6	25.0

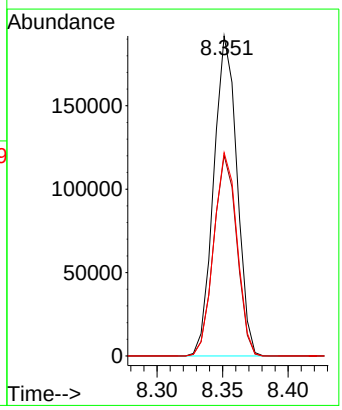


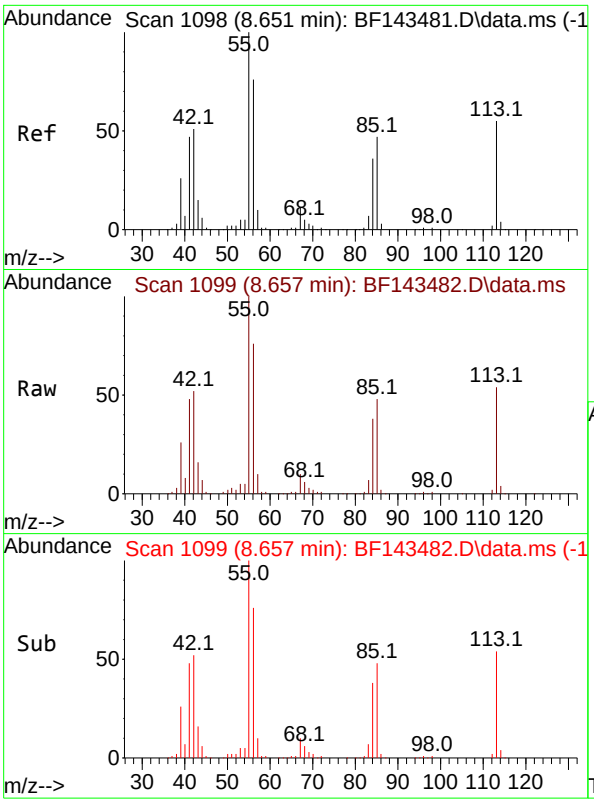


#34
Hexachlorobutadiene
Concen: 48.095 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:225 Resp: 236186

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	63.6	50.9	76.3



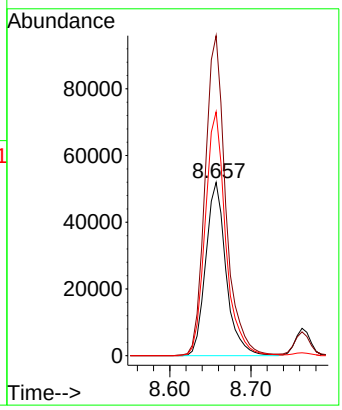


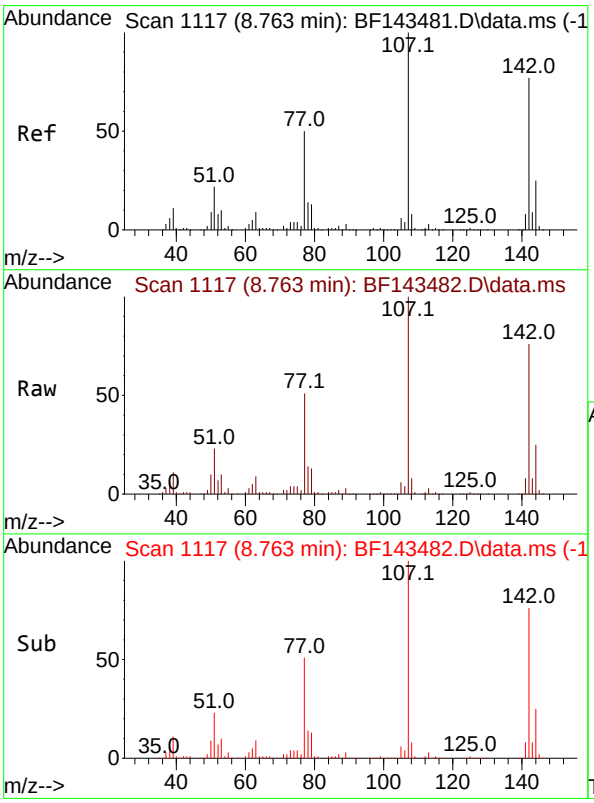
#35
Caprolactam
Concen: 51.340 ng
RT: 8.657 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 90192

Ion	Ratio	Lower	Upper
113	100		
55	184.7	162.8	202.8
56	140.7	118.1	158.1

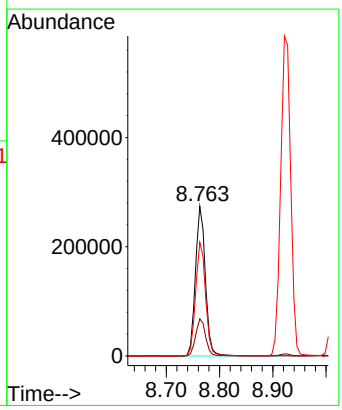


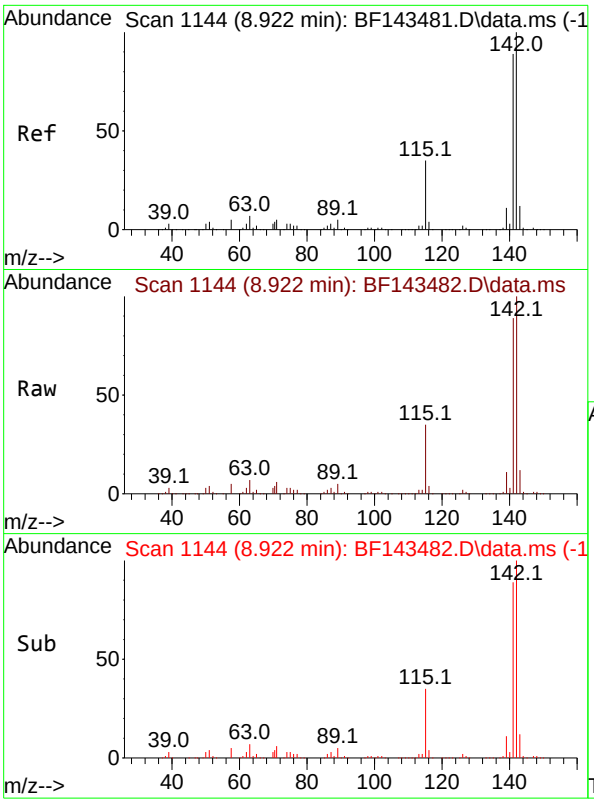


#36
4-Chloro-3-methylphenol
Concen: 48.497 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:107 Resp: 355809

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	75.9	61.8	92.8



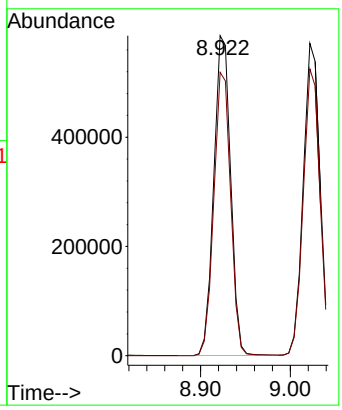


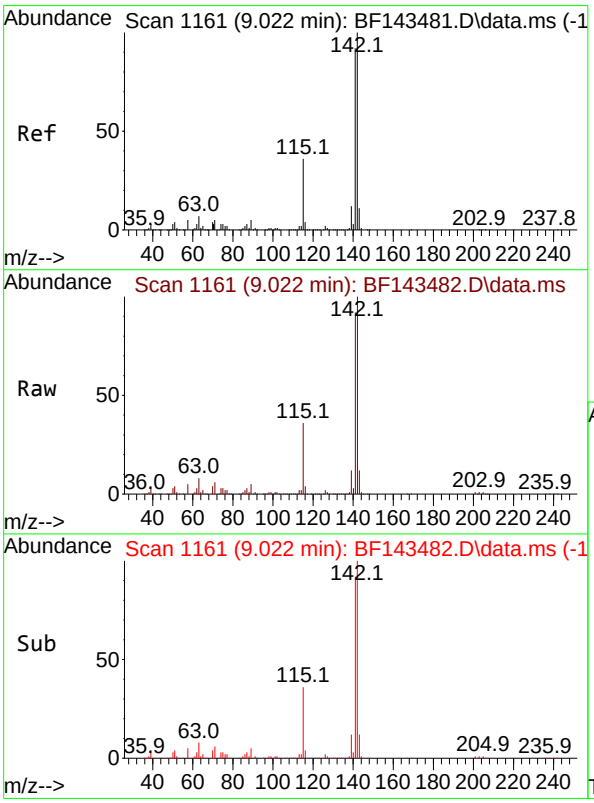
#37
2-Methylnaphthalene
Concen: 46.774 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 763368

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.4

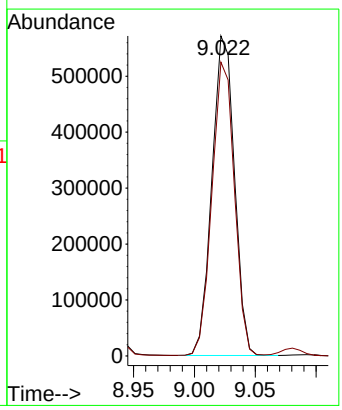


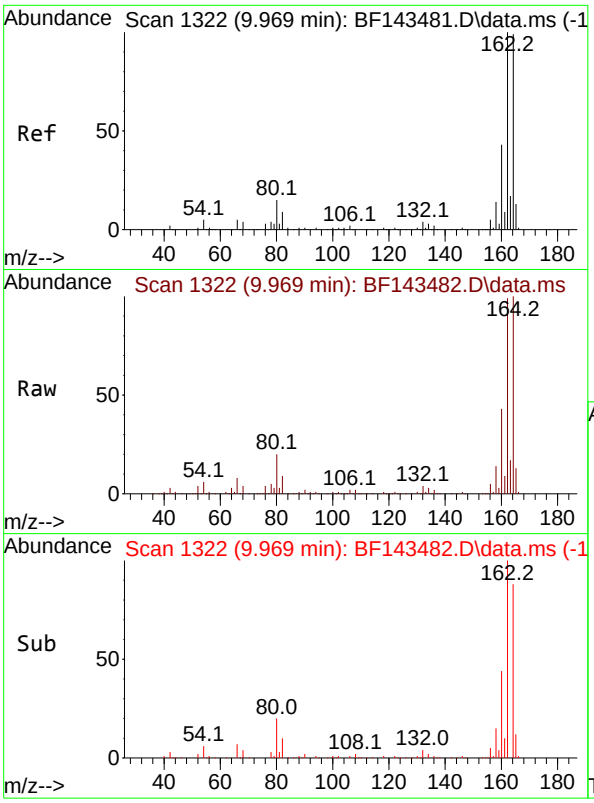


#38
1-Methylnaphthalene
Concen: 47.049 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:142 Resp: 734490

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.3	109.9



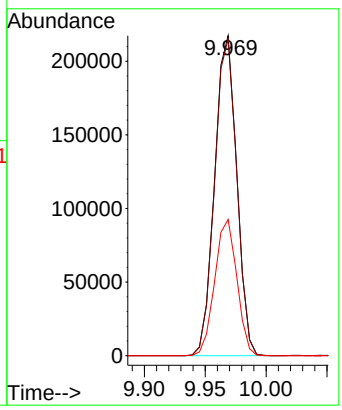


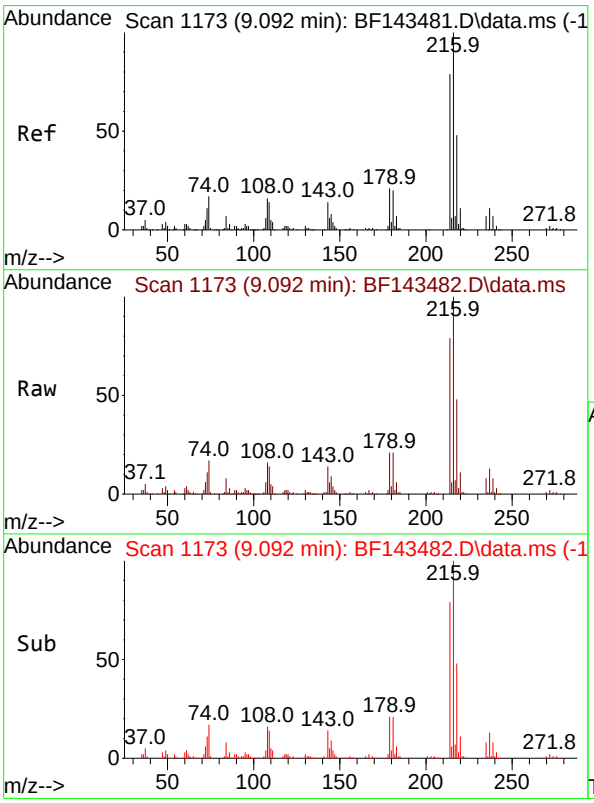
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 274766

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.5	120.7
160	42.6	34.3	51.5

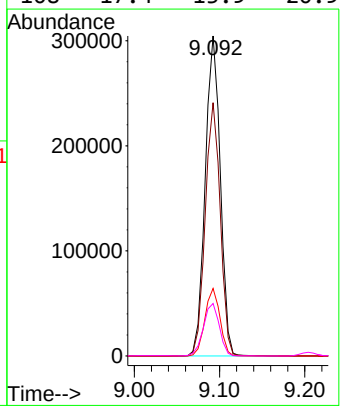


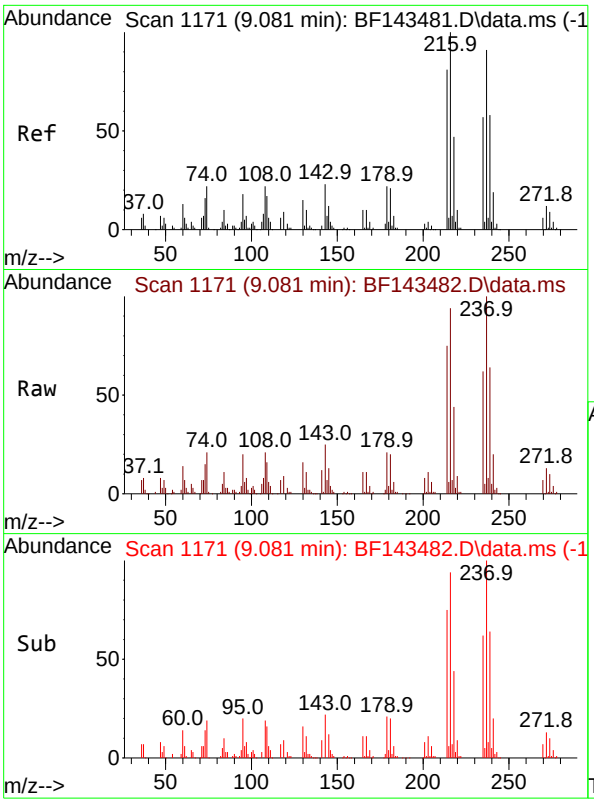


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.541 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:216 Resp: 373639

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.0
179	20.9	16.5	24.7
108	17.4	13.9	20.9



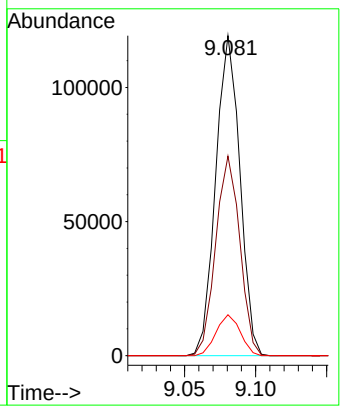


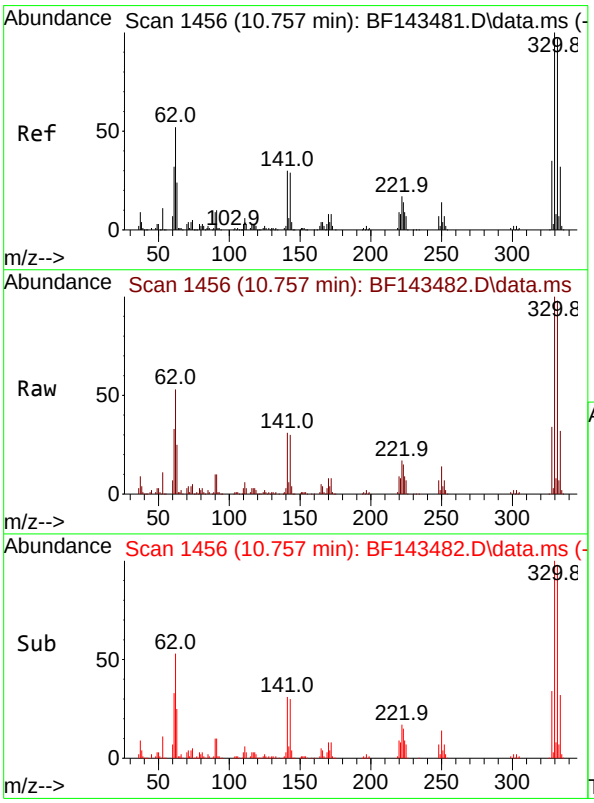
#41
Hexachlorocyclopentadiene
Concen: 48.905 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 141023

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.6	82.6
272	12.8	0.0	33.4

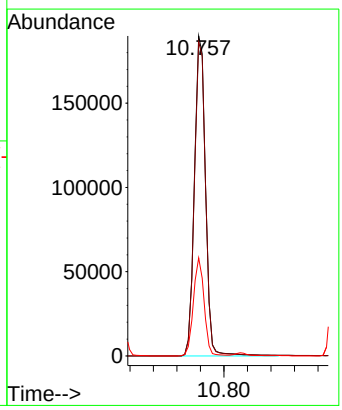


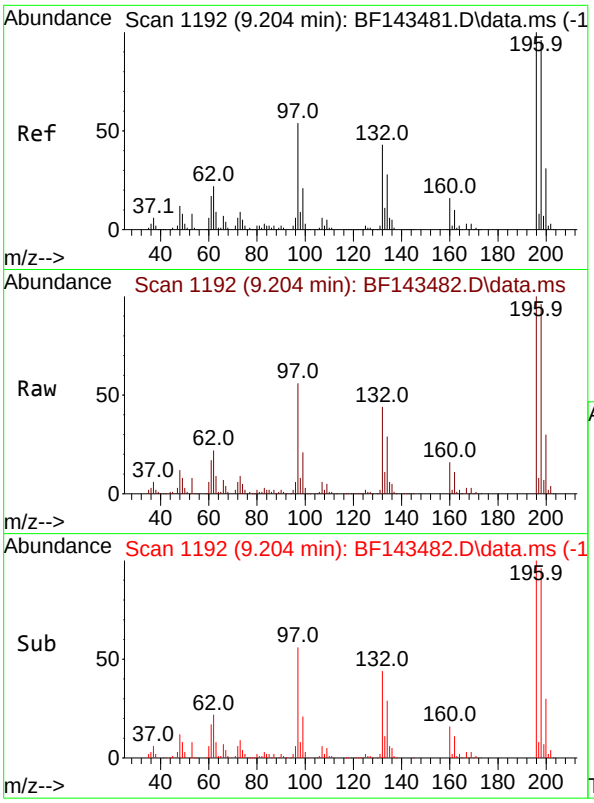


#42
2,4,6-Tribromophenol
Concen: 97.306 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:330 Resp: 248877

Ion	Ratio	Lower	Upper
330	100		
332	98.3	78.0	117.0
141	29.6	23.7	35.5



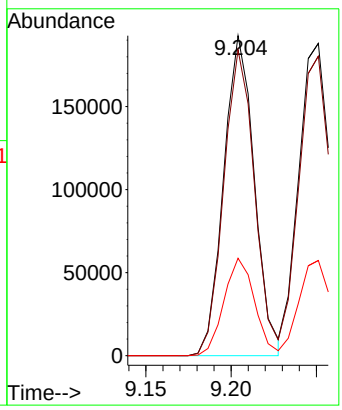


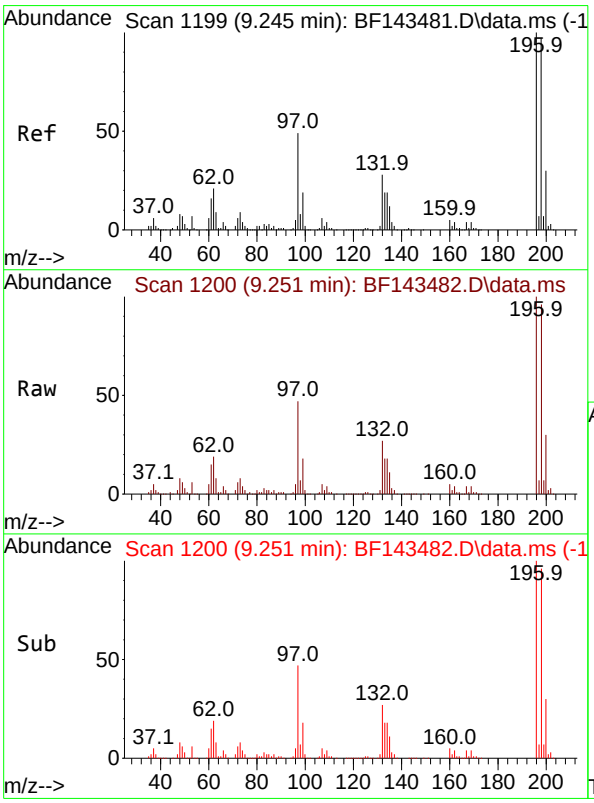
#43
2,4,6-Trichlorophenol
Concen: 49.900 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 241322

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.0	115.4
200	30.4	24.6	37.0

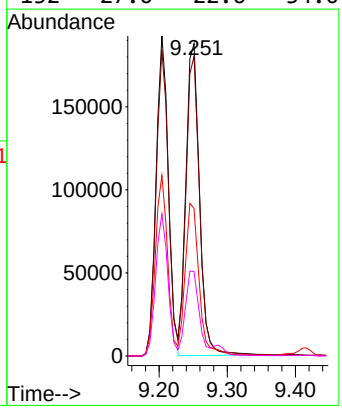


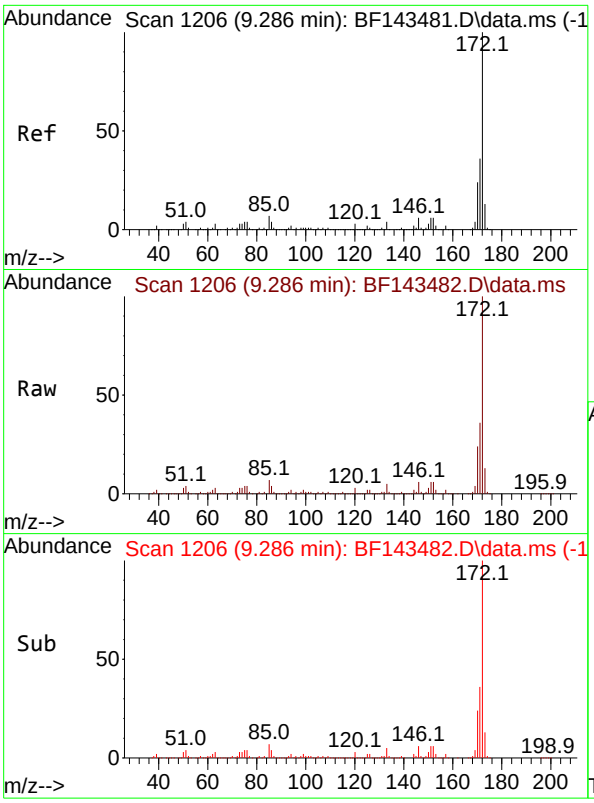


#44
2,4,5-Trichlorophenol
Concen: 49.041 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:196 Resp: 259061

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.3	115.9
97	47.2	40.0	60.0
132	27.0	22.6	34.0



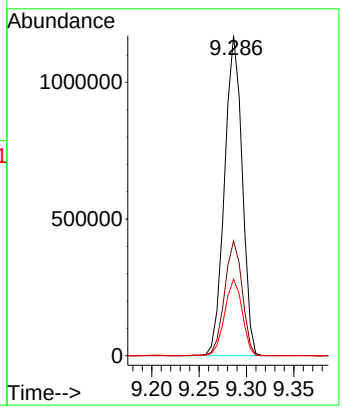


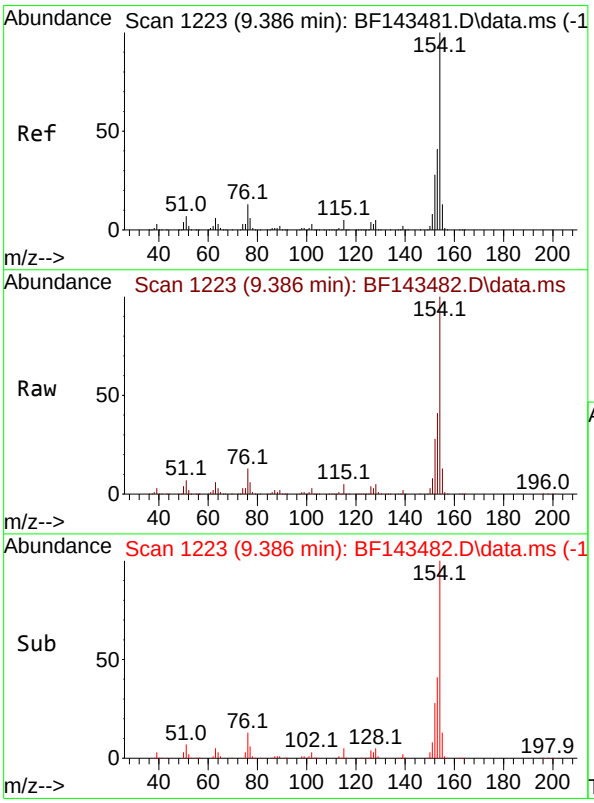
#45
2-Fluorobiphenyl
Concen: 91.359 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1518897

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.9	18.8	28.2

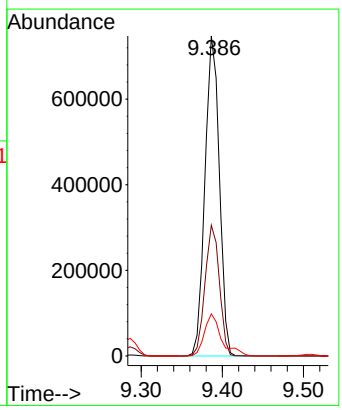


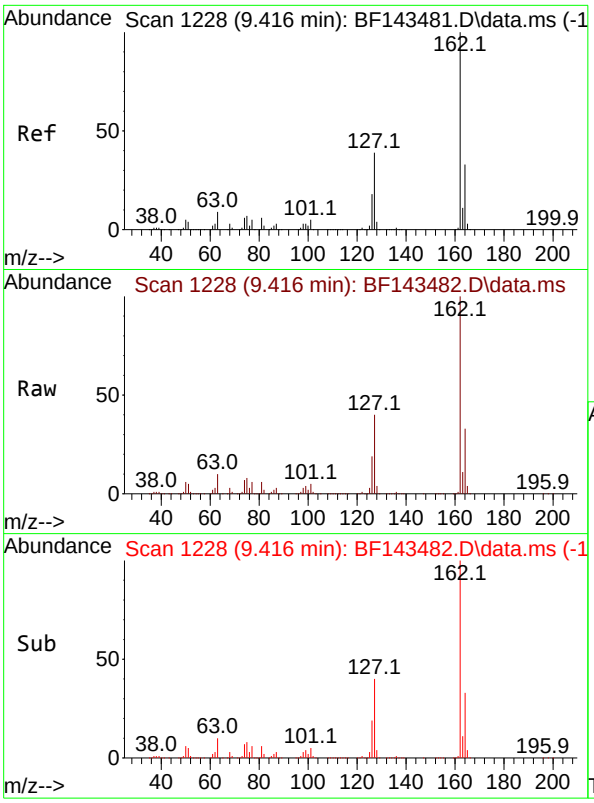


#46
1,1'-Biphenyl
Concen: 47.038 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:154 Resp: 917350

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.6	60.6
76	13.2	0.0	33.0



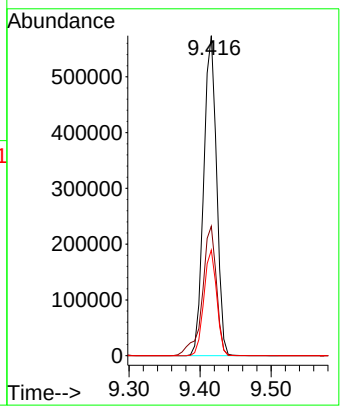


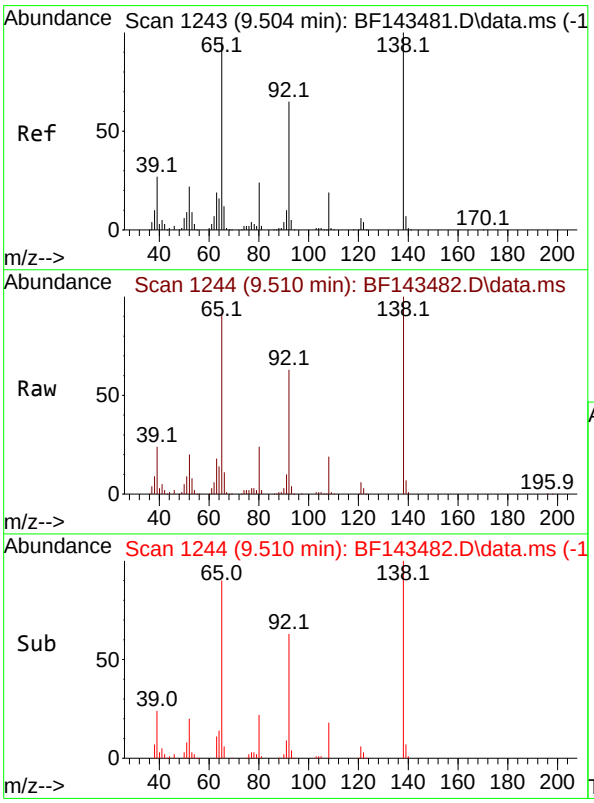
#47
2-Chloronaphthalene
Concen: 47.420 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 725620

Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.8	47.6
164	33.0	26.4	39.6

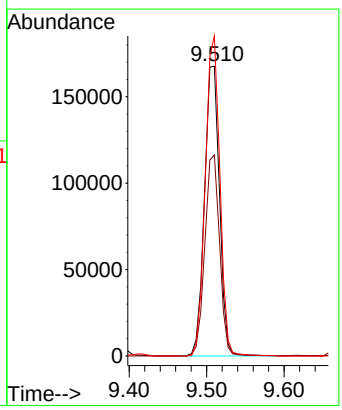


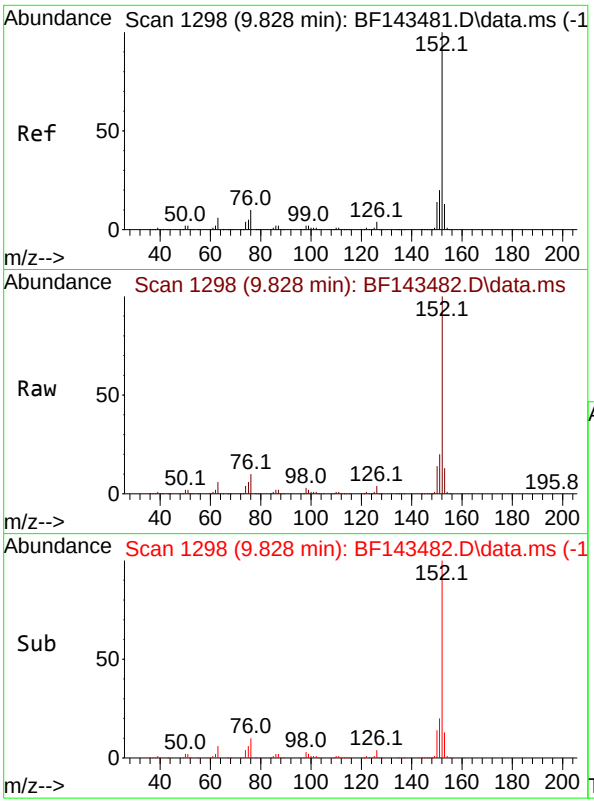


#48
2-Nitroaniline
Concen: 50.489 ng
RT: 9.510 min Scan# 1244
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion: 65 Resp: 226106

Ion	Ratio	Lower	Upper
65	100		
92	69.4	53.8	80.6
138	110.5	82.4	123.6



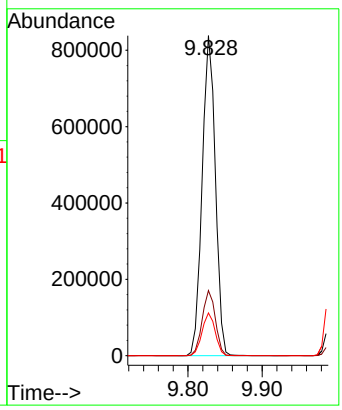


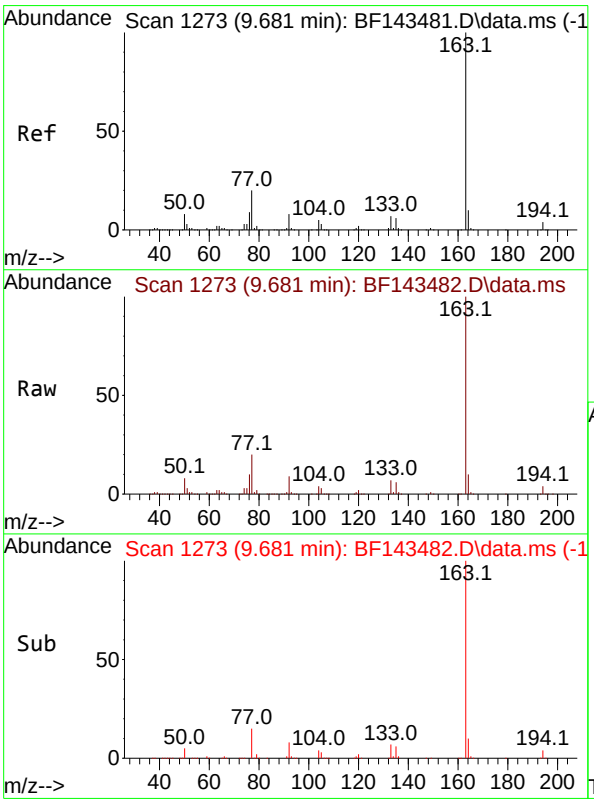
#49
Acenaphthylene
Concen: 47.536 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1041531

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	13.3	10.6	15.8

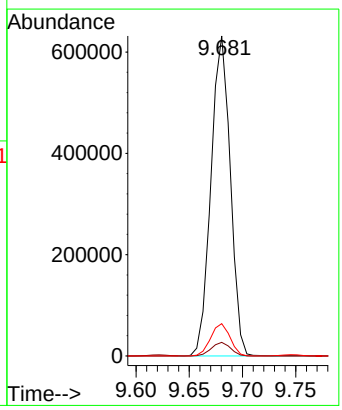


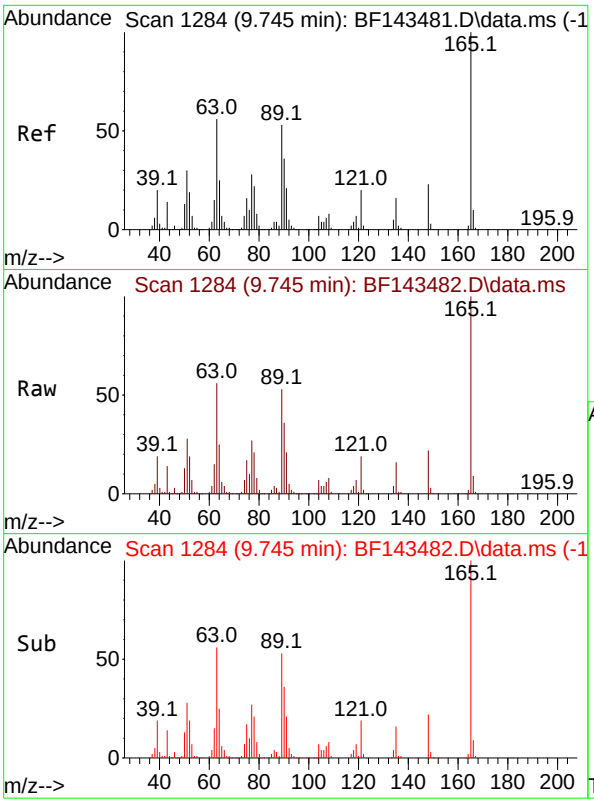


#50
Dimethylphthalate
Concen: 48.090 ng
RT: 9.681 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:163 Resp: 795814

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	8.2	12.2



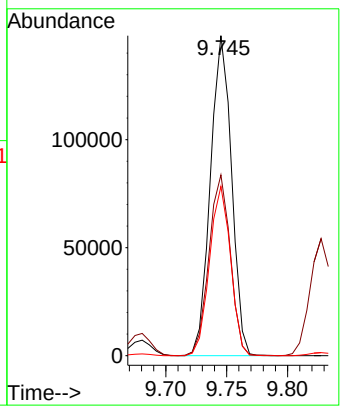


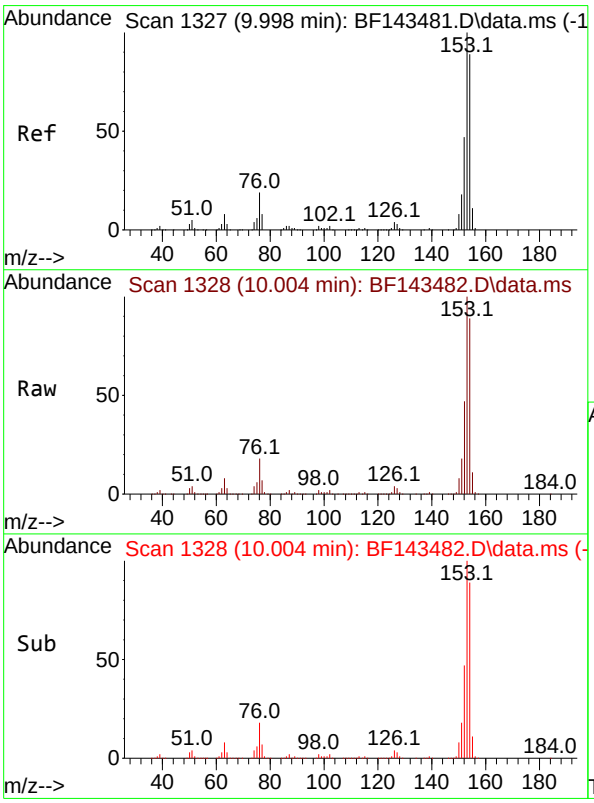
#51
2,6-Dinitrotoluene
Concen: 52.104 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 178703

Ion	Ratio	Lower	Upper
165	100		
63	56.5	45.0	67.6
89	52.9	42.5	63.7

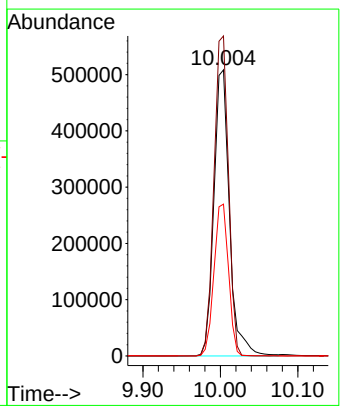


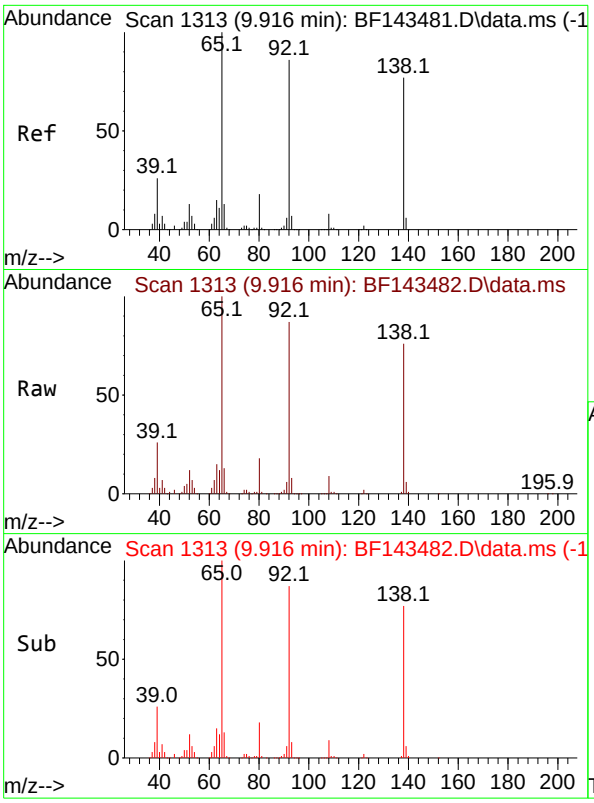


#52
Acenaphthene
Concen: 47.905 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:154 Resp: 712642

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.1	42.5	63.7



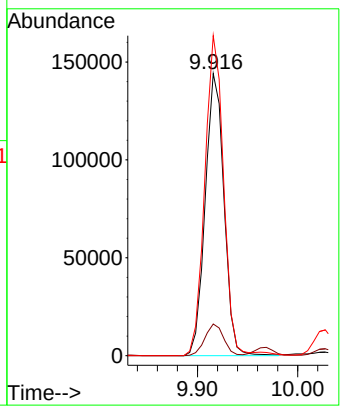


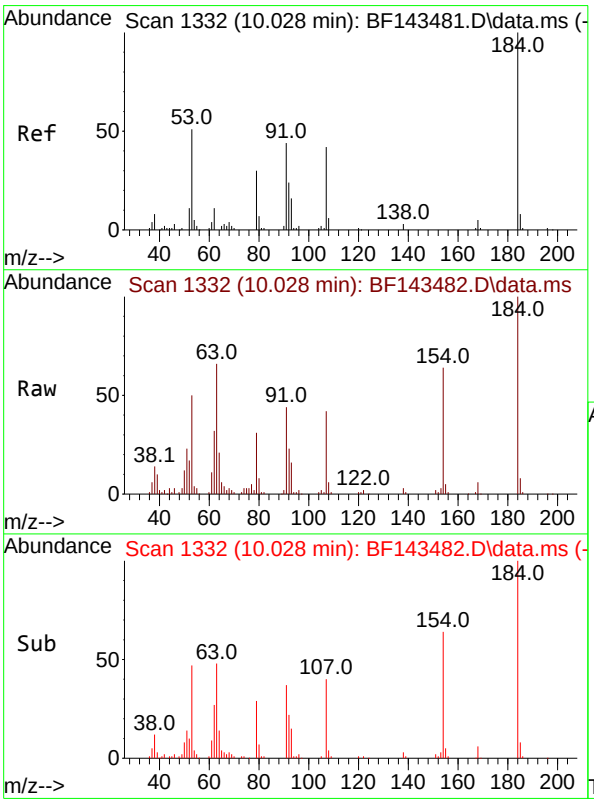
#53
3-Nitroaniline
Concen: 50.620 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 187598

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.6	13.0
92	113.5	89.8	134.8

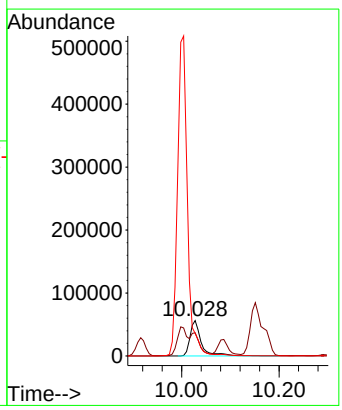


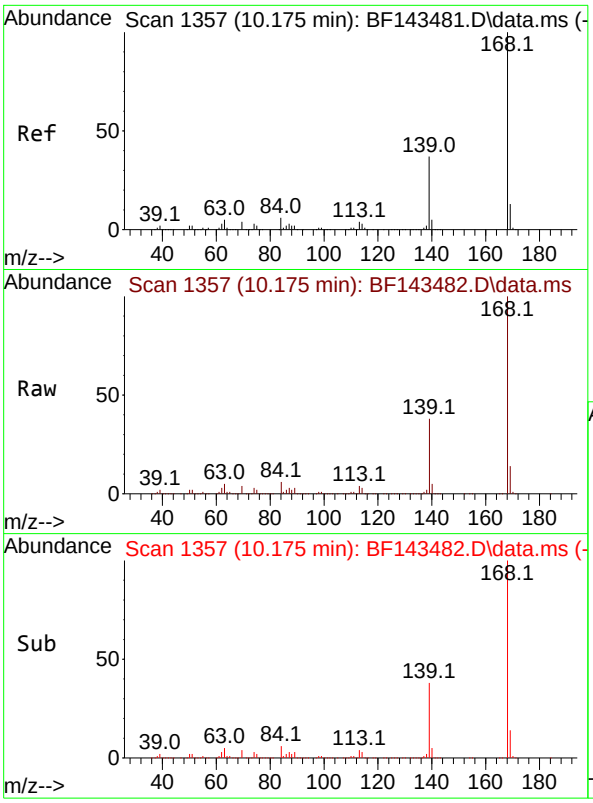


#54
2,4-Dinitrophenol
Concen: 51.384 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:184 Resp: 90529

Ion	Ratio	Lower	Upper
184	100		
63	65.5	52.6	78.8
154	63.7	51.0	76.4



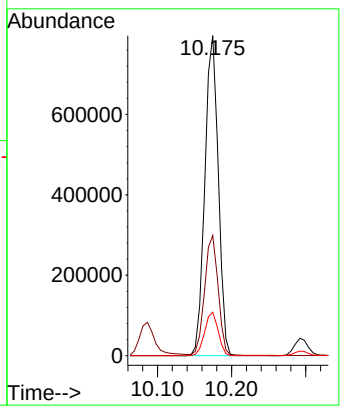


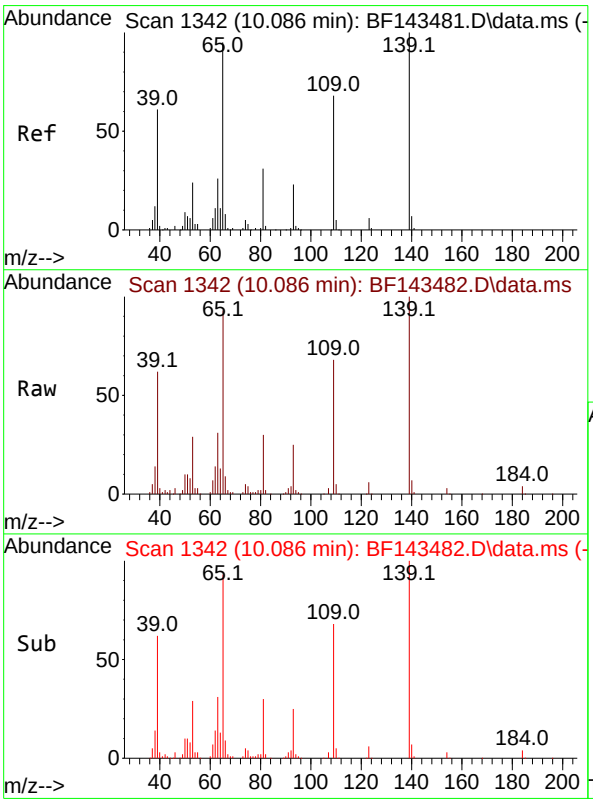
#55
Dibenzofuran
Concen: 47.313 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1003468

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.6
169	13.6	10.8	16.2

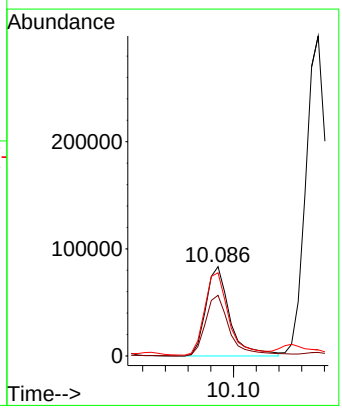


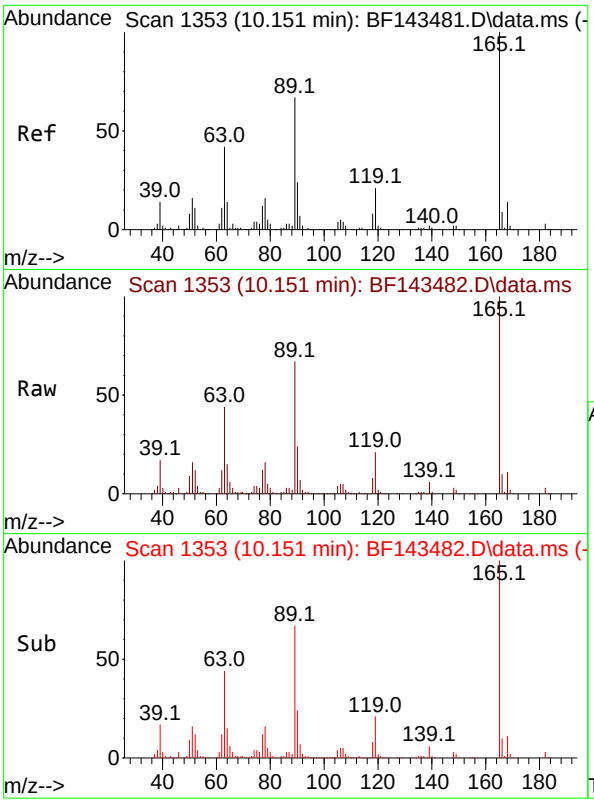


#56
4-Nitrophenol
Concen: 54.991 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:139 Resp: 121261

Ion	Ratio	Lower	Upper
139	100		
109	68.0	48.2	88.2
65	93.3	75.8	115.8



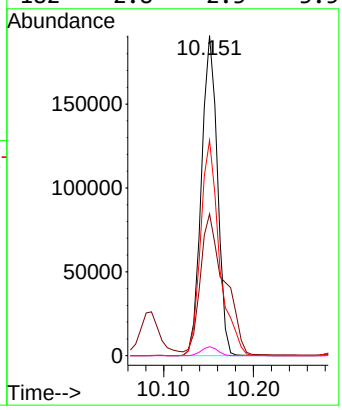


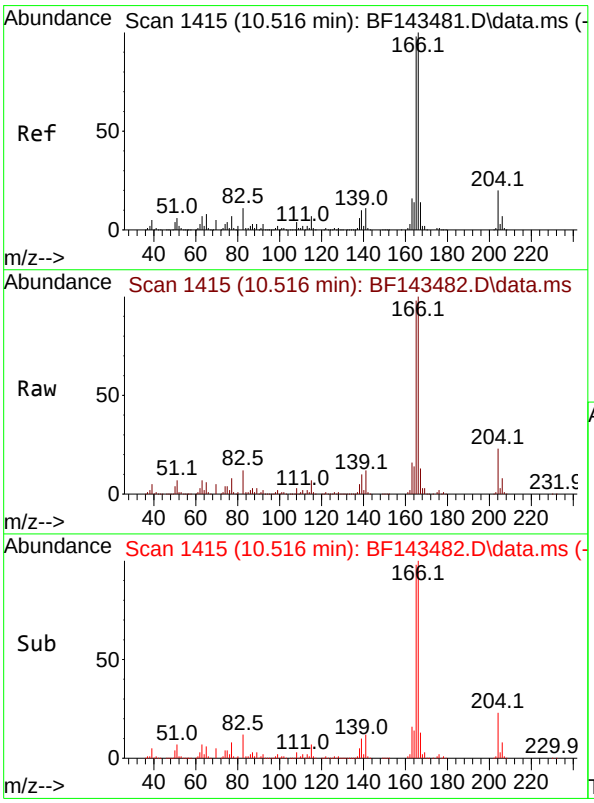
#57
2,4-Dinitrotoluene
Concen: 51.542 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 236039

Ion	Ratio	Lower	Upper
165	100		
63	44.3	34.9	52.3
89	67.3	53.3	79.9
182	2.8	2.3	3.5

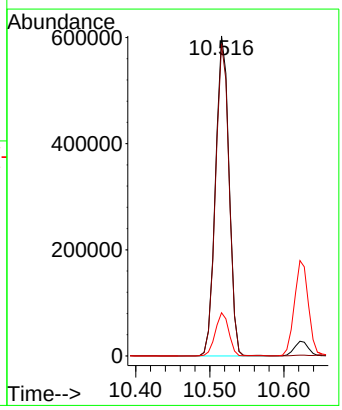


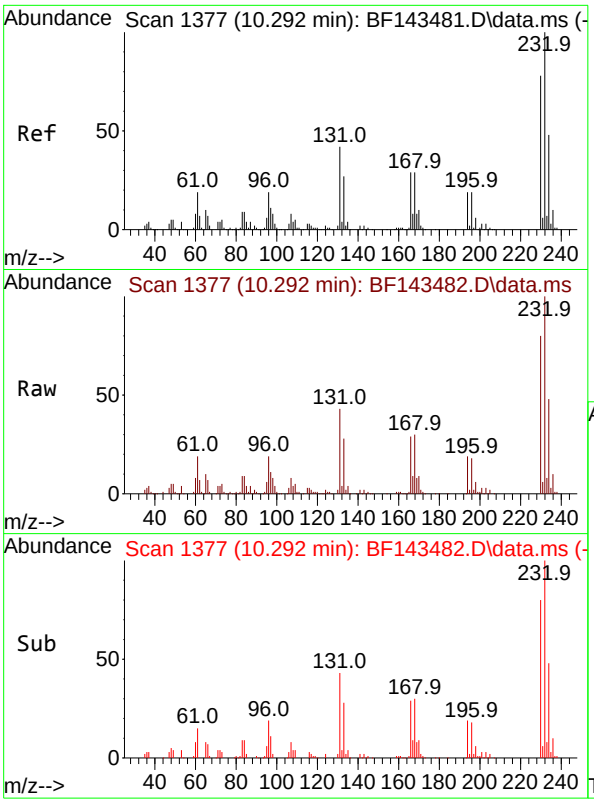


#58
Fluorene
Concen: 46.763 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:166 Resp: 763347

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.5	11.0	16.4



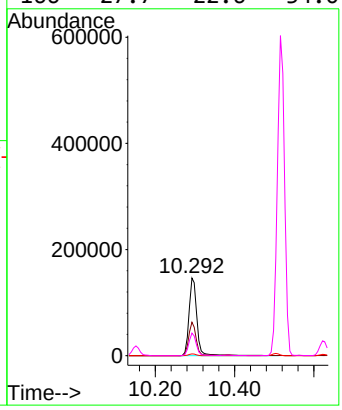


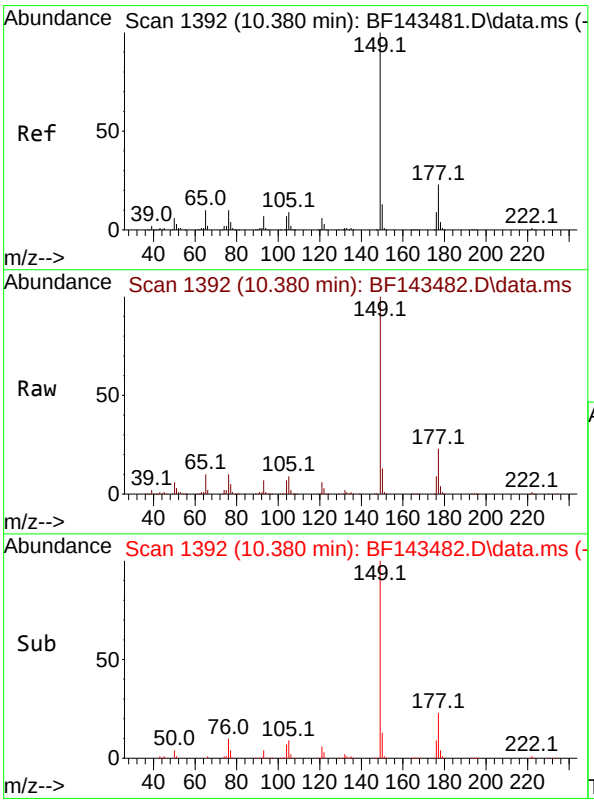
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.483 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 202049

Ion	Ratio	Lower	Upper
232	100		
131	41.0	32.7	49.1
130	2.1	1.6	2.4
166	27.7	22.6	34.0

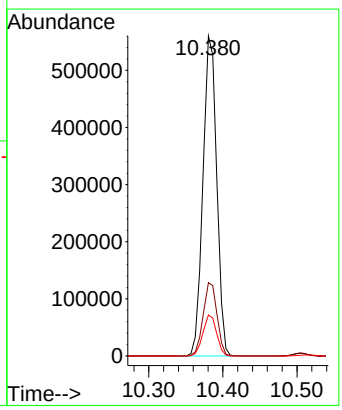


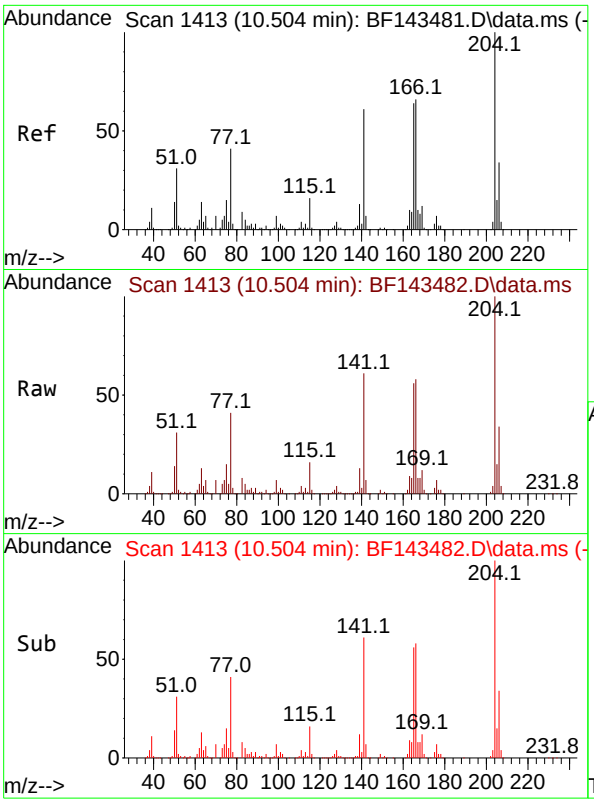


#60
Diethylphthalate
Concen: 48.756 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 723386

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.8	10.3	15.5



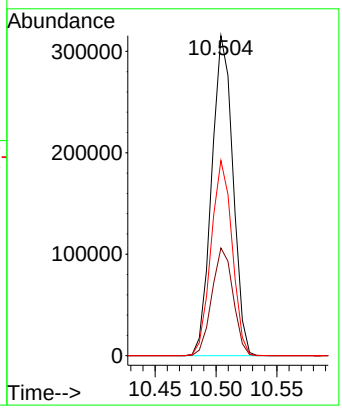


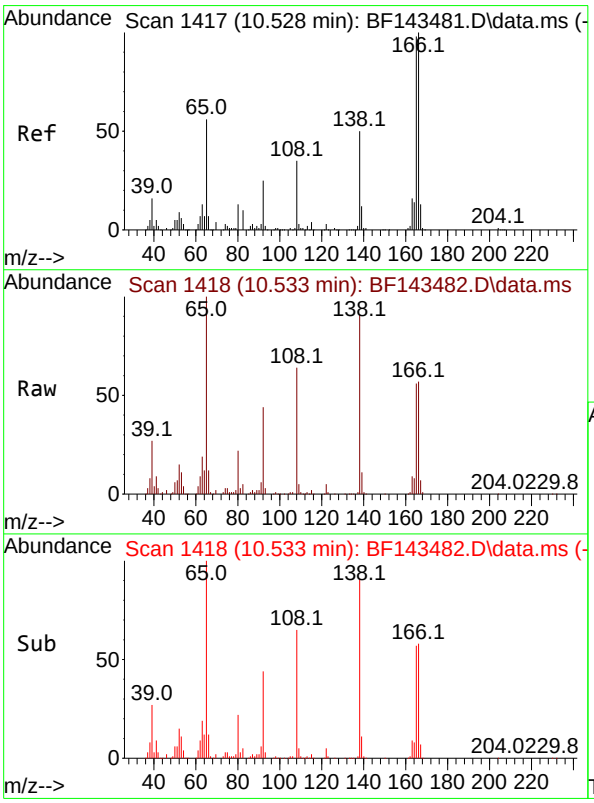
#61
4-Chlorophenyl-phenylether
Concen: 46.985 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 383570

Ion	Ratio	Lower	Upper
204	100		
206	33.6	27.0	40.4
141	61.0	48.7	73.1

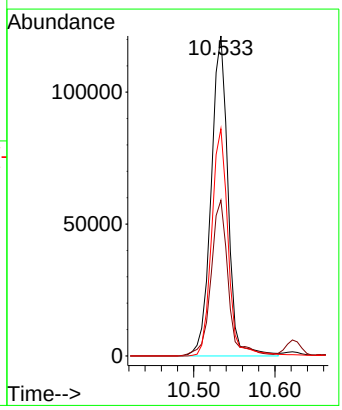


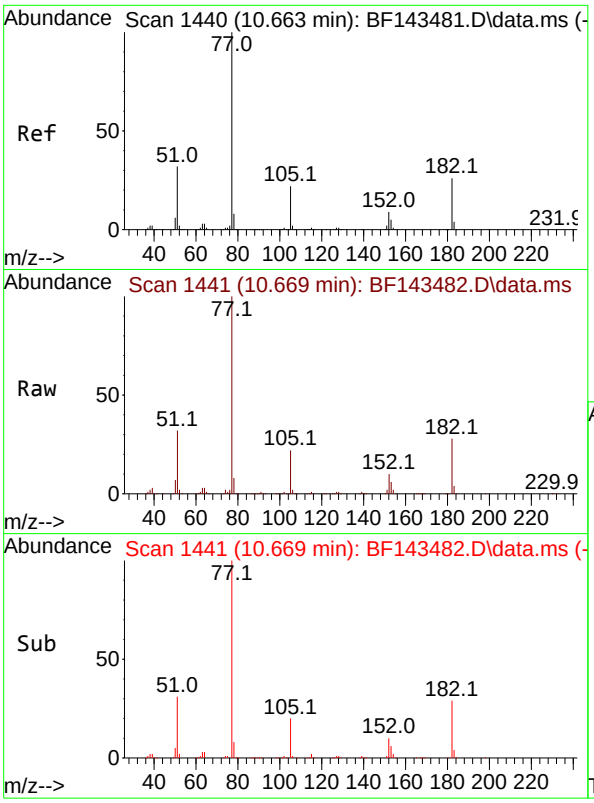


#62
4-Nitroaniline
Concen: 51.418 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:138 Resp: 175033

Ion	Ratio	Lower	Upper
138	100		
92	48.7	29.3	69.3
108	71.0	50.7	90.7



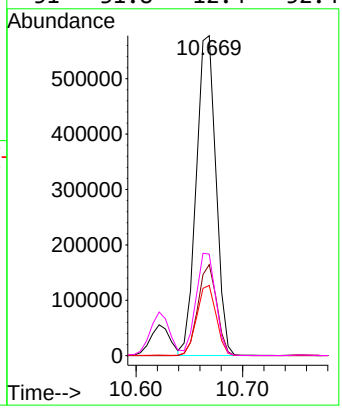


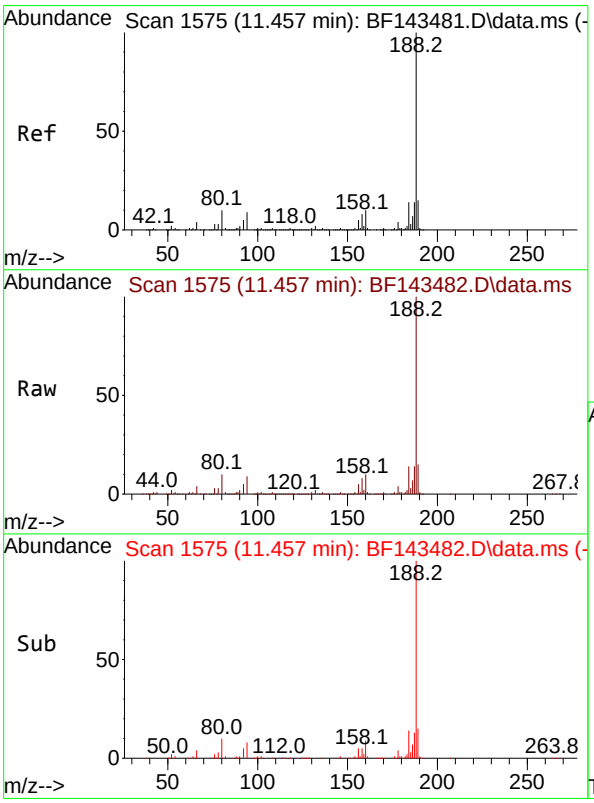
#63
Azobenzene
Concen: 48.247 ng
RT: 10.669 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 742238

Ion	Ratio	Lower	Upper
77	100		
182	28.4	6.2	46.2
105	21.9	2.2	42.2
51	31.8	12.4	52.4

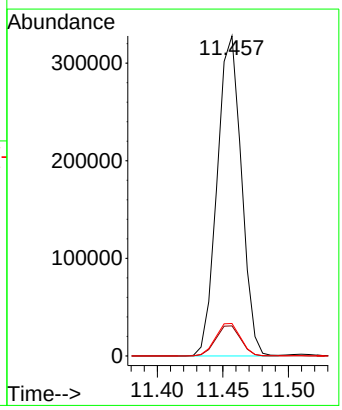


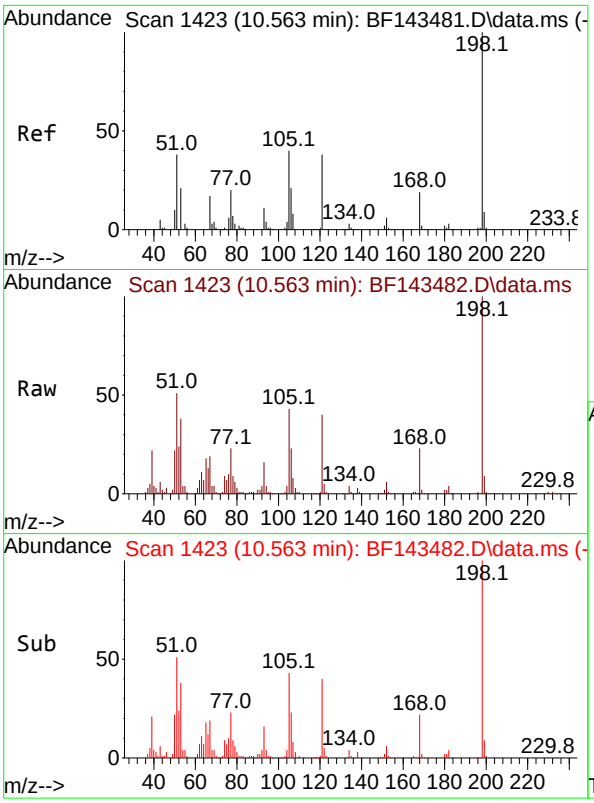


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:188 Resp: 422398

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.1	8.2	12.4



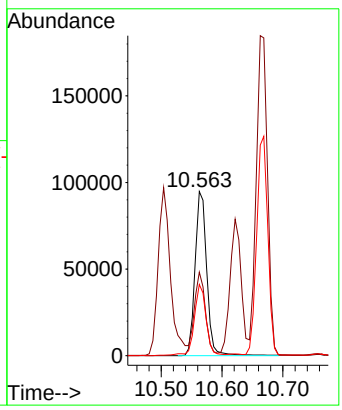


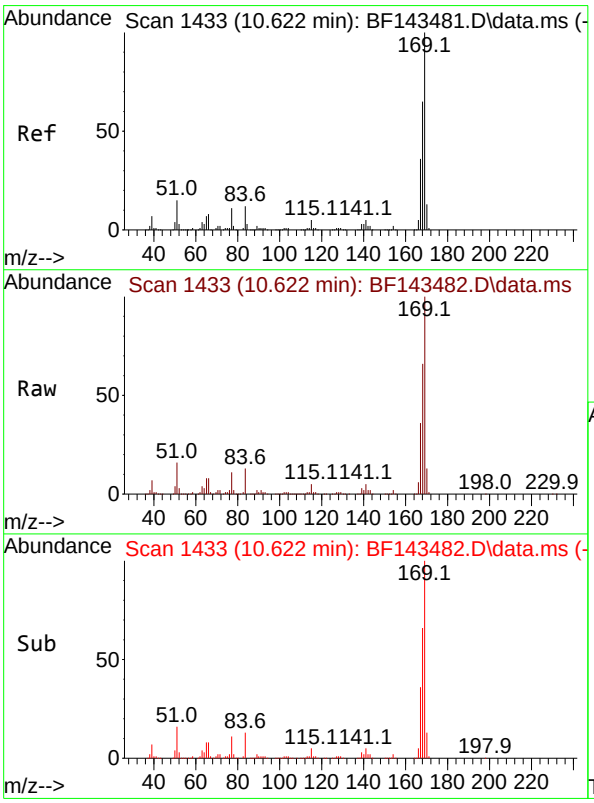
#65
4,6-Dinitro-2-methylphenol
Concen: 53.128 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 126533

Ion	Ratio	Lower	Upper
198	100		
51	50.8	29.6	69.6
105	43.4	21.5	61.5

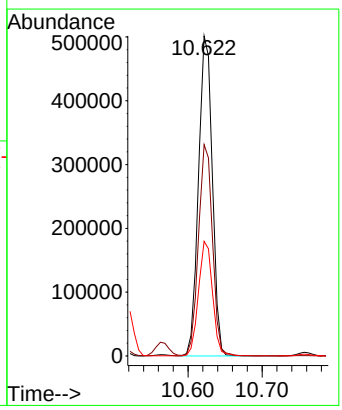


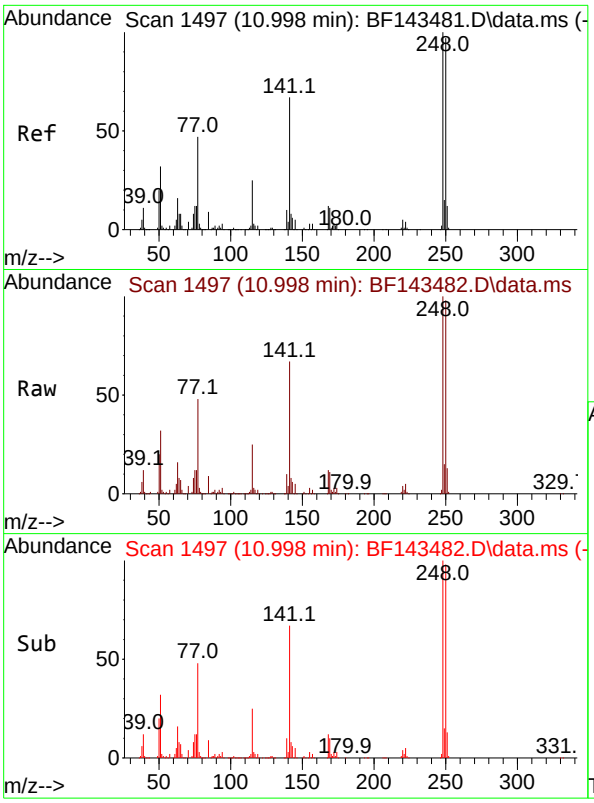


#66
n-Nitrosodiphenylamine
Concen: 47.789 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:169 Resp: 649619

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.4	78.6
167	35.8	28.9	43.3



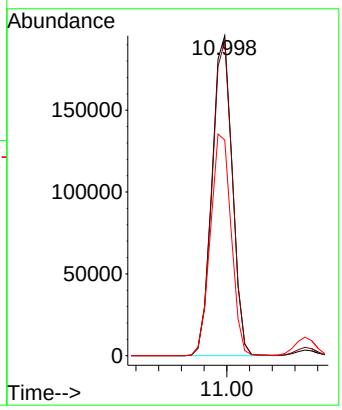


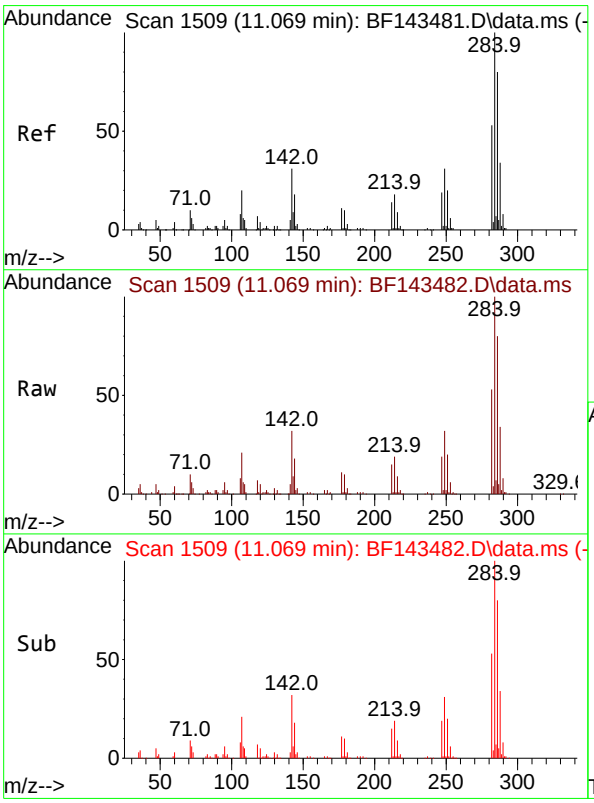
#67
4-Bromophenyl-phenylether
Concen: 48.112 ng
RT: 10.998 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 242477

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.8	116.8
141	67.4	54.0	81.0

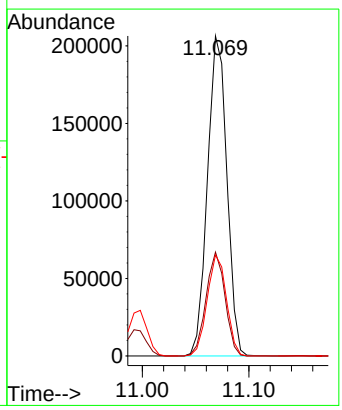


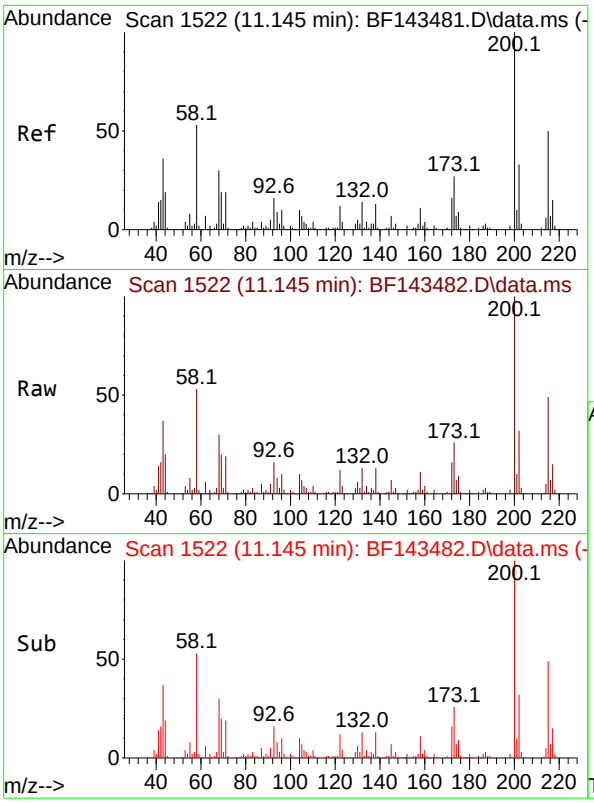


#68
Hexachlorobenzene
Concen: 48.206 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:284 Resp: 261883

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.4	36.6
249	31.6	25.0	37.6



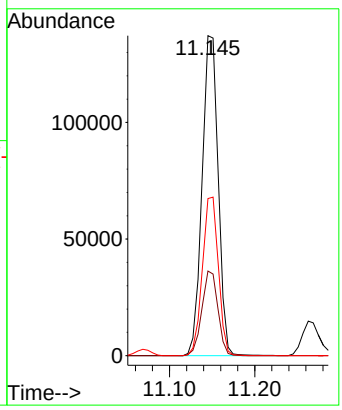


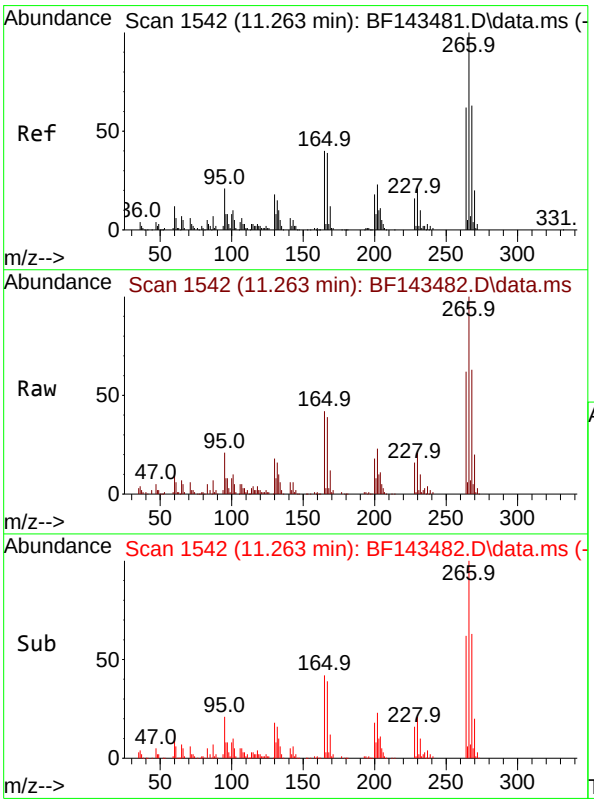
#69
Atrazine
Concen: 51.394 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 180342

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.9	46.9
215	49.1	30.0	70.0

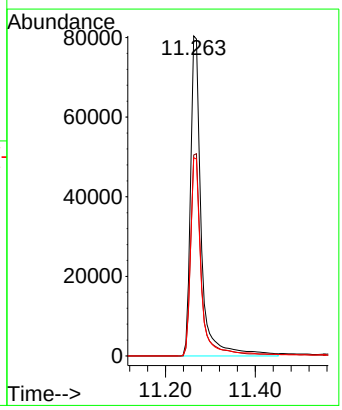


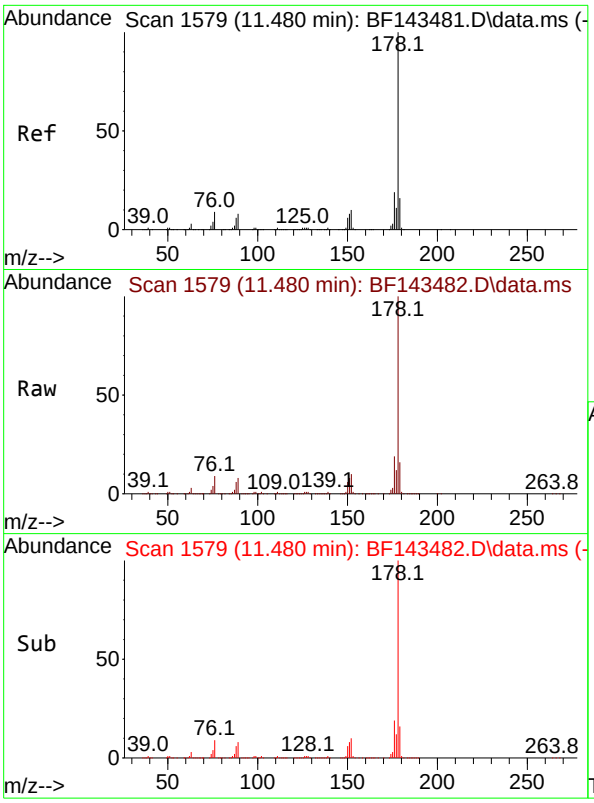


#70
Pentachlorophenol
Concen: 53.767 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:266 Resp: 133776

Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.5	75.7
264	62.0	49.8	74.8



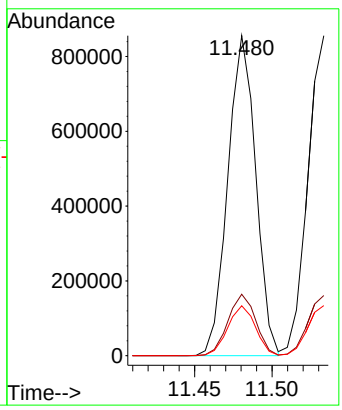


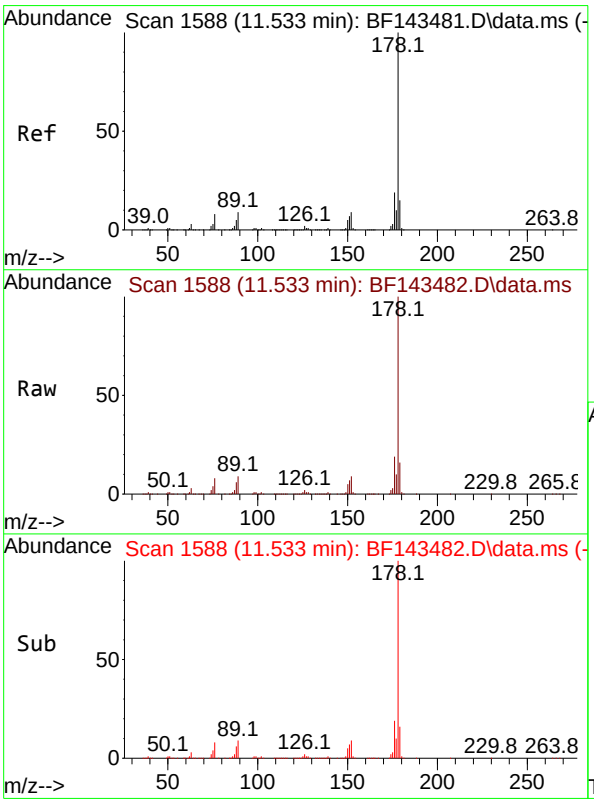
#71
Phenanthrene
Concen: 47.383 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1071808

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	12.5	18.7

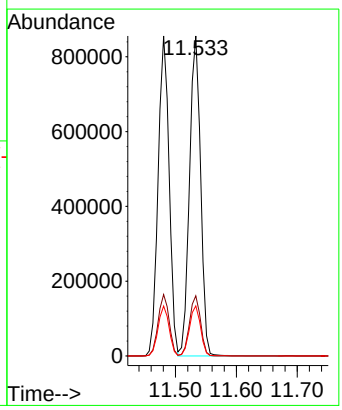


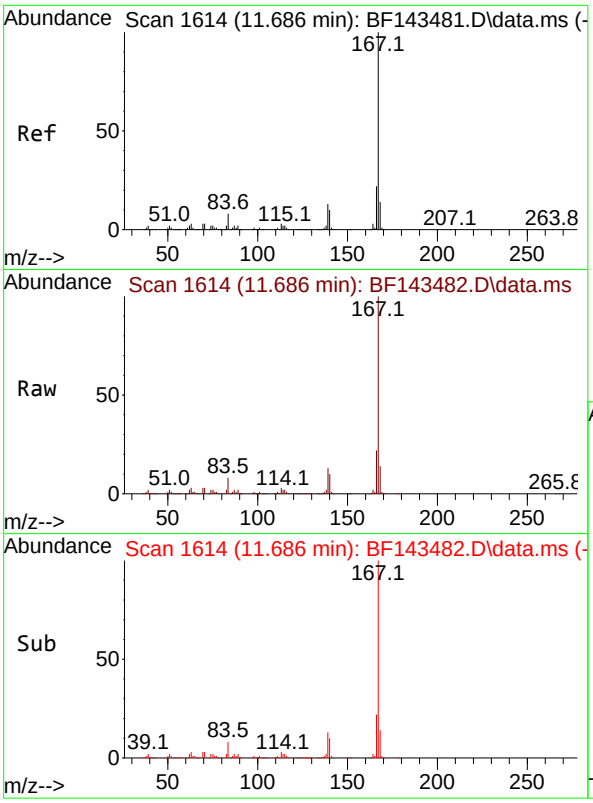


#72
Anthracene
Concen: 47.117 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:178 Resp: 1079686

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.7	12.3	18.5



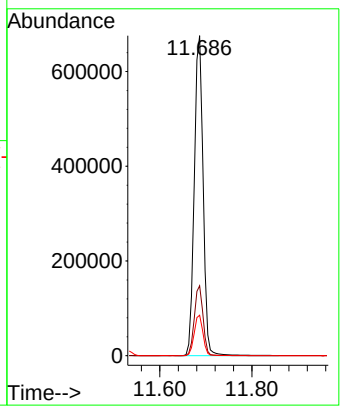


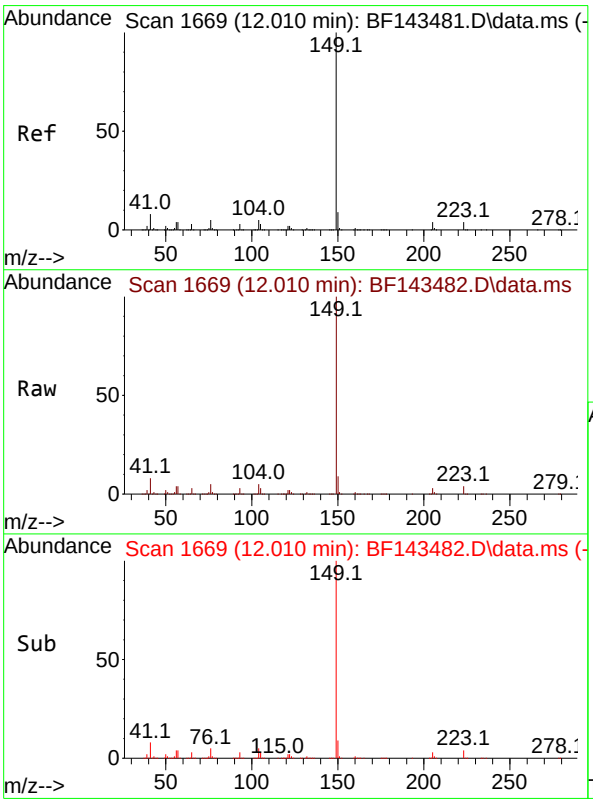
#73
Carbazole
Concen: 47.738 ng
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 896352

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	12.7	10.0	15.0

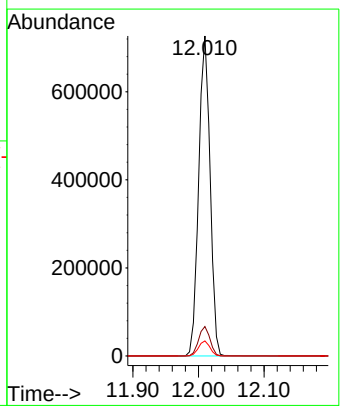


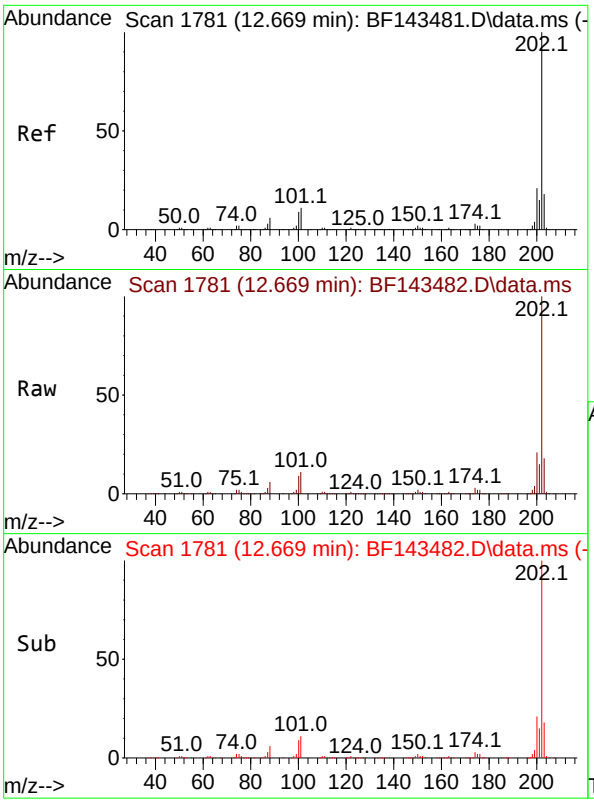


#74
Di-n-butylphthalate
Concen: 50.228 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 879812

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.7	3.6	5.4



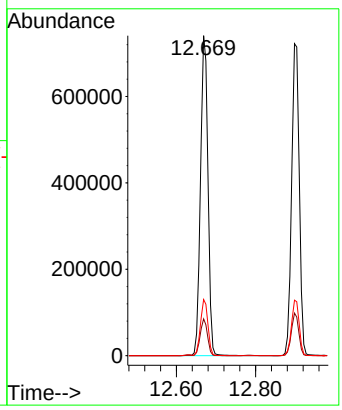


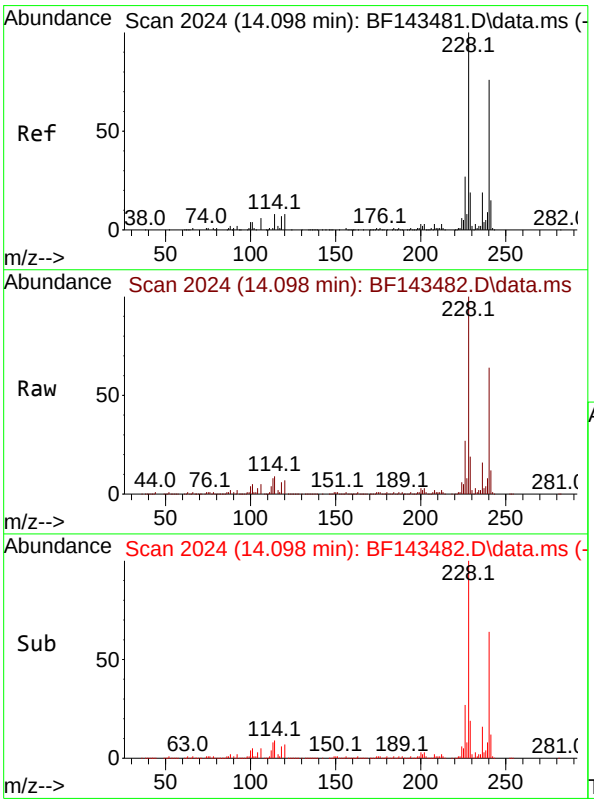
#75
Fluoranthene
Concen: 47.536 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 964831

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.6	0.0	37.9

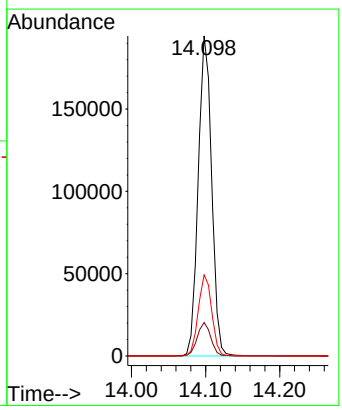


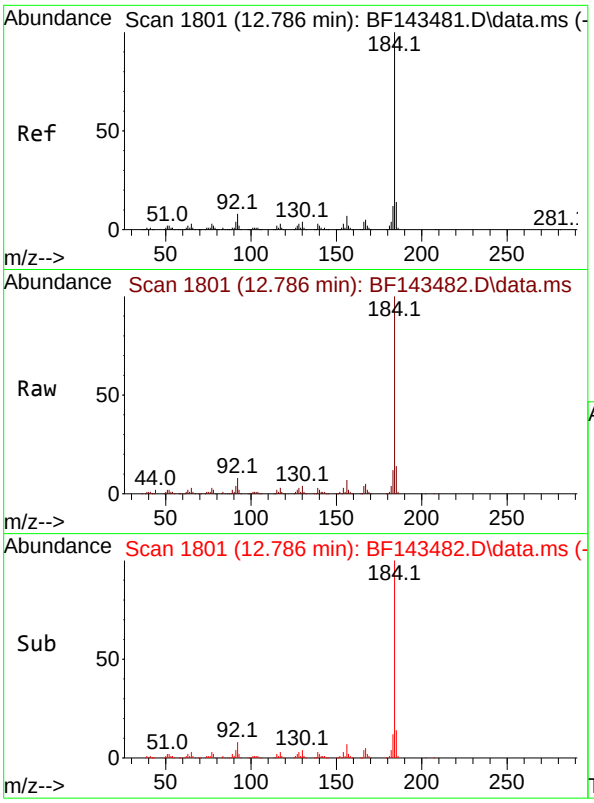


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:240 Resp: 244315

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	12.8
236	25.3	20.4	30.6



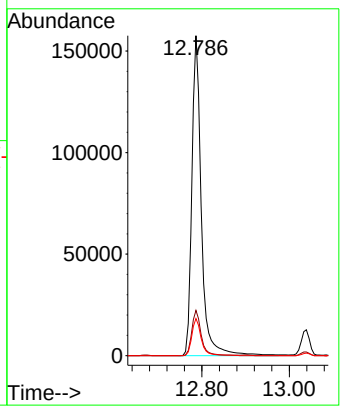


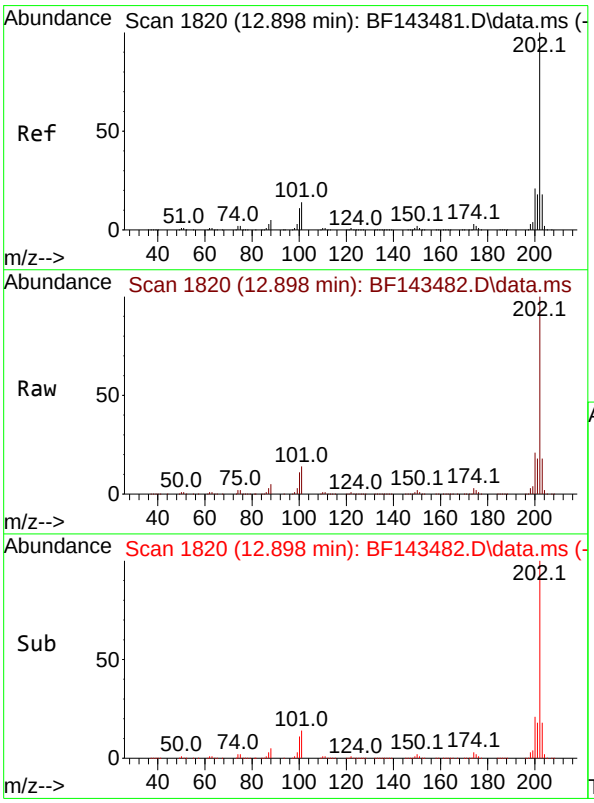
#77
Benzidine
Concen: 40.122 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 238772

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.6	9.5	14.3

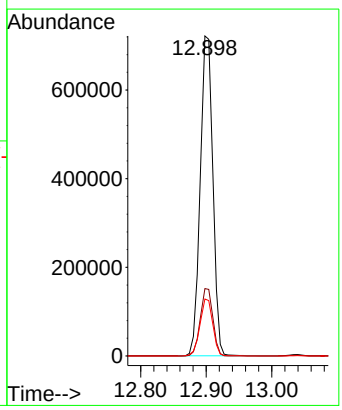


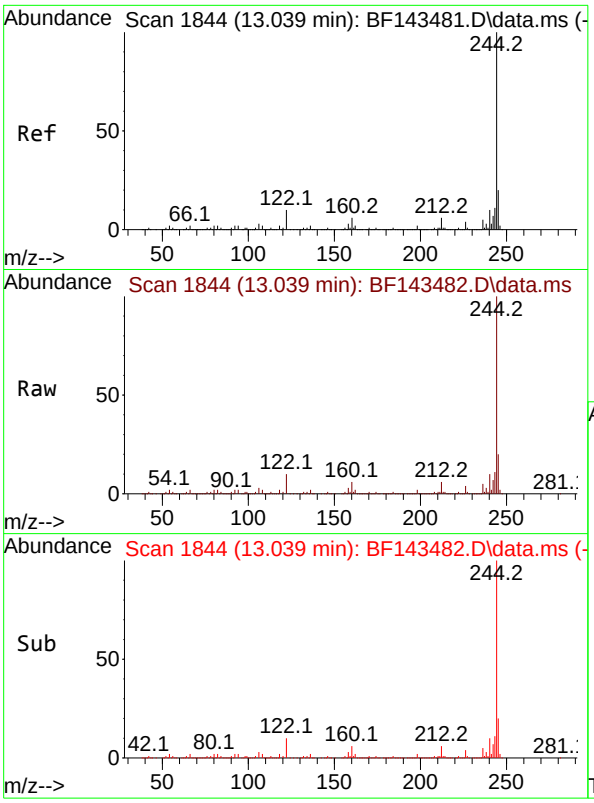


#78
Pyrene
Concen: 48.316 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:202 Resp: 970991

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.8	14.3	21.5



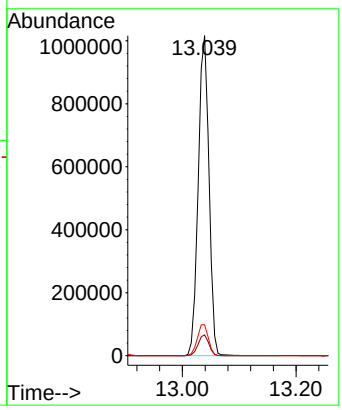


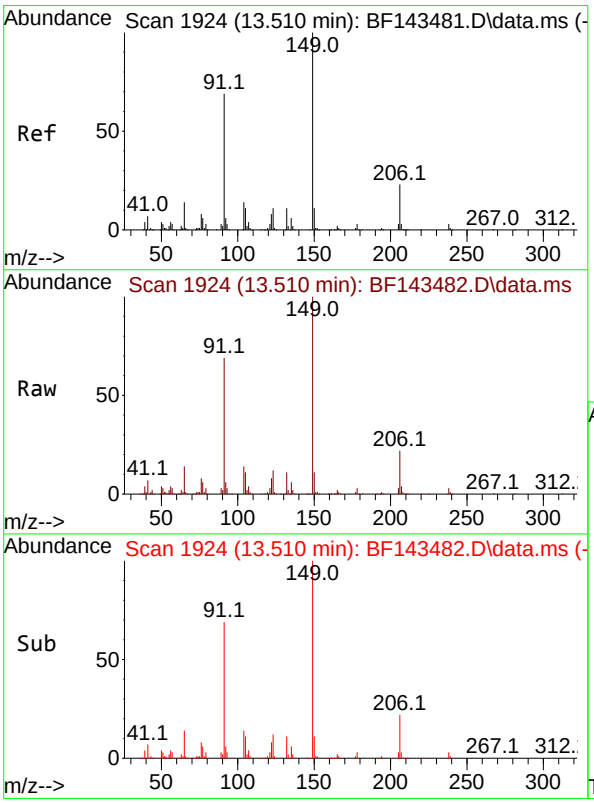
#79
Terphenyl-d14
Concen: 95.465 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1336561

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.7	7.9	11.9

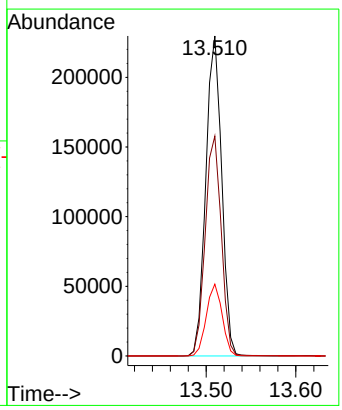


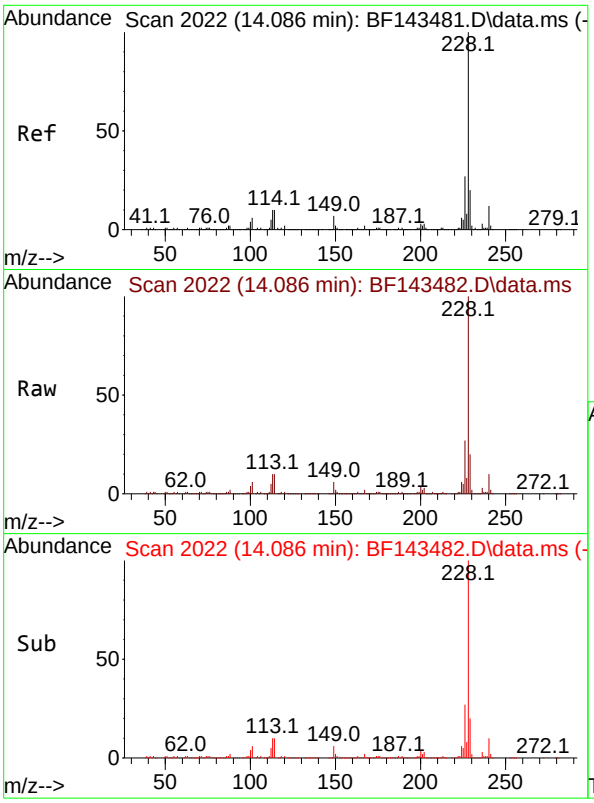


#80
Butylbenzylphthalate
Concen: 51.304 ng
RT: 13.510 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 281664

Ion	Ratio	Lower	Upper
149	100		
91	68.7	55.3	82.9
206	22.5	18.2	27.4



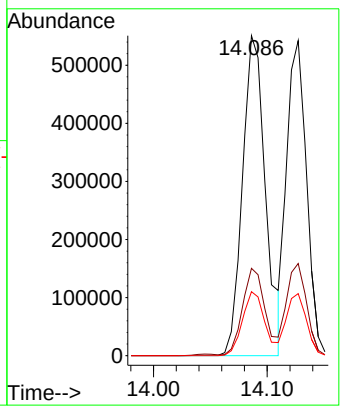


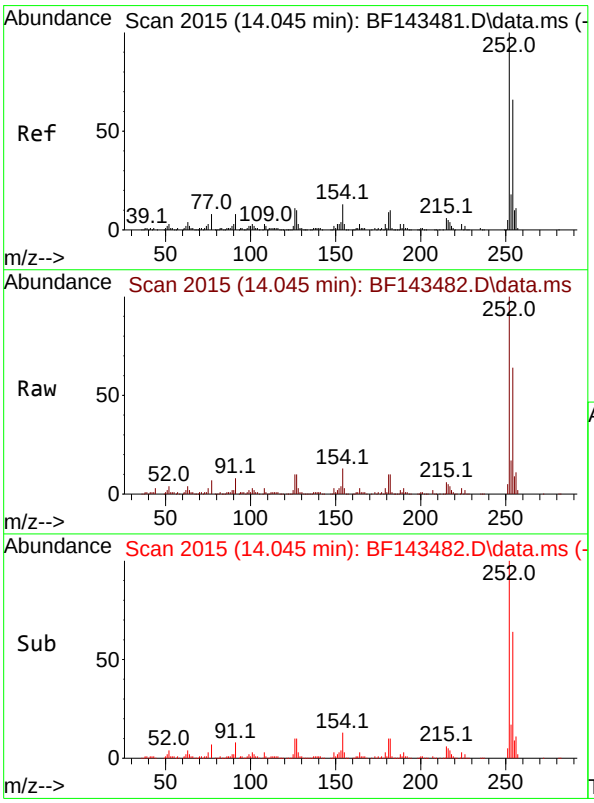
#81
Benzo(a)anthracene
Concen: 49.172 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 773434

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	20.0	15.7	23.5

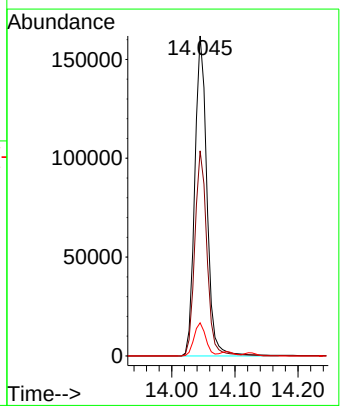


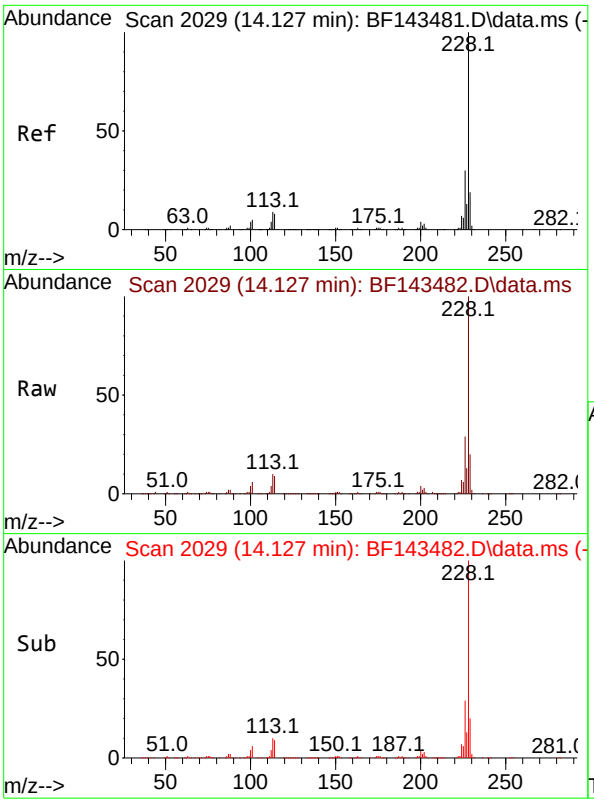


#82
3,3'-Dichlorobenzidine
Concen: 47.957 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:252 Resp: 216024

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.6	79.0
126	10.3	8.7	13.1



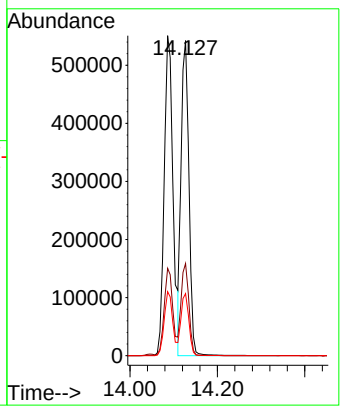


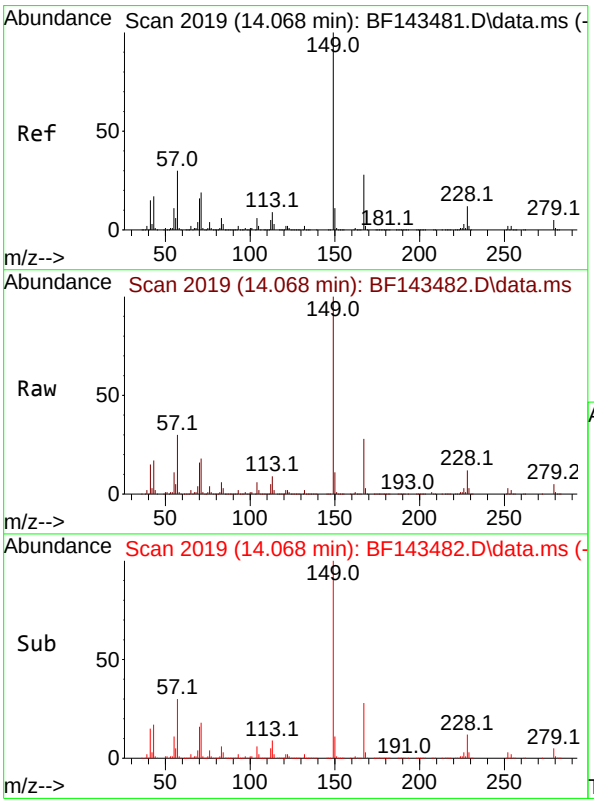
#83
Chrysene
Concen: 47.050 ng
RT: 14.127 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 665070

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.7	15.7	23.5

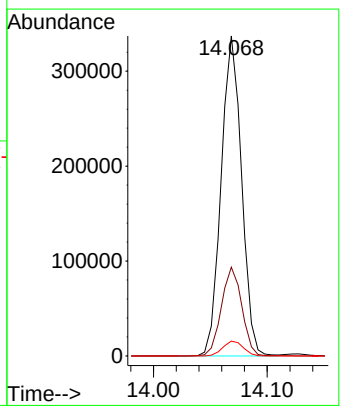


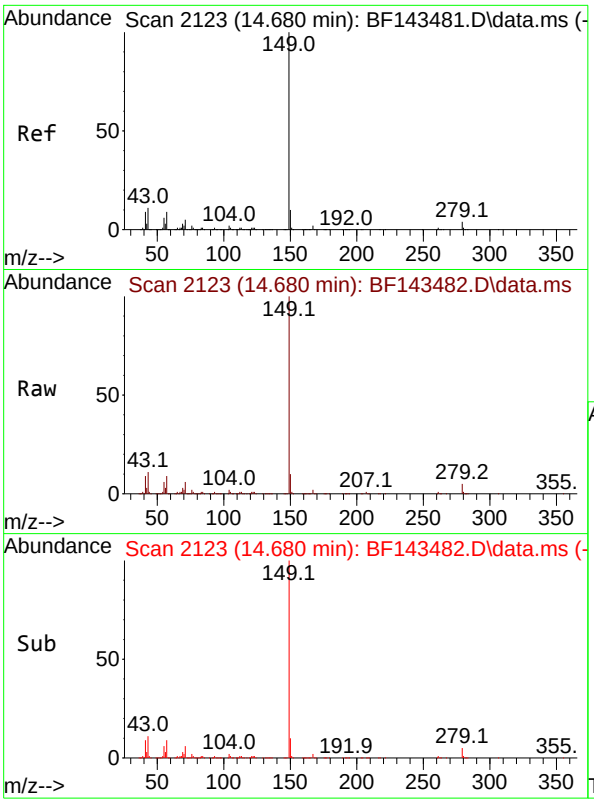


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.372 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:149 Resp: 421199

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.2
279	4.7	3.6	5.4



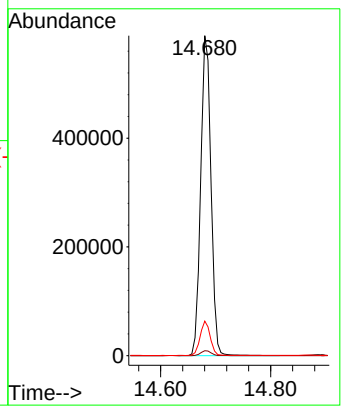


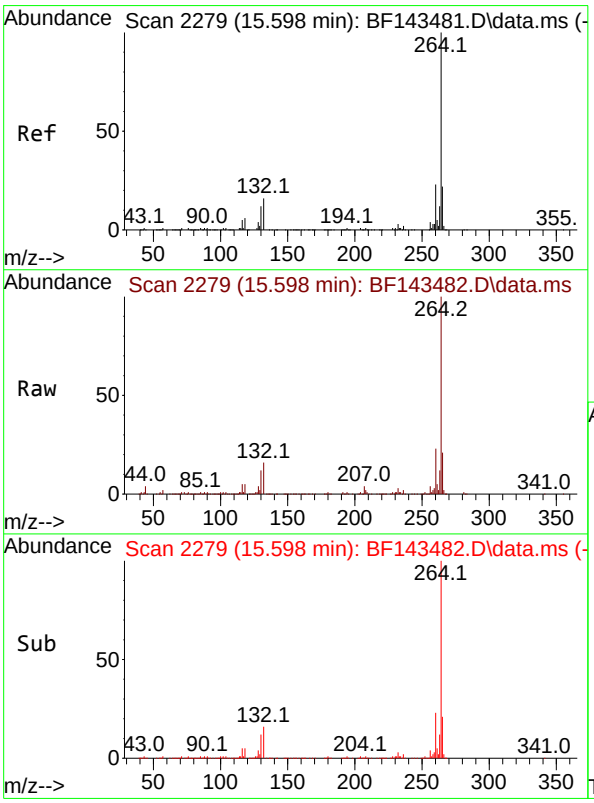
#85
Di-n-octyl phthalate
Concen: 49.329 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 764123

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.5	8.5	12.7

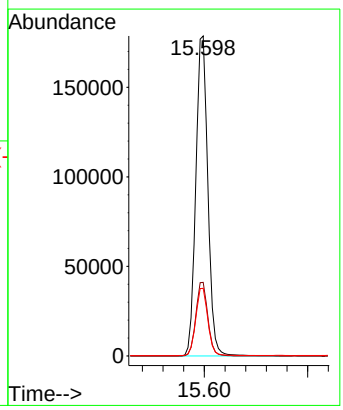


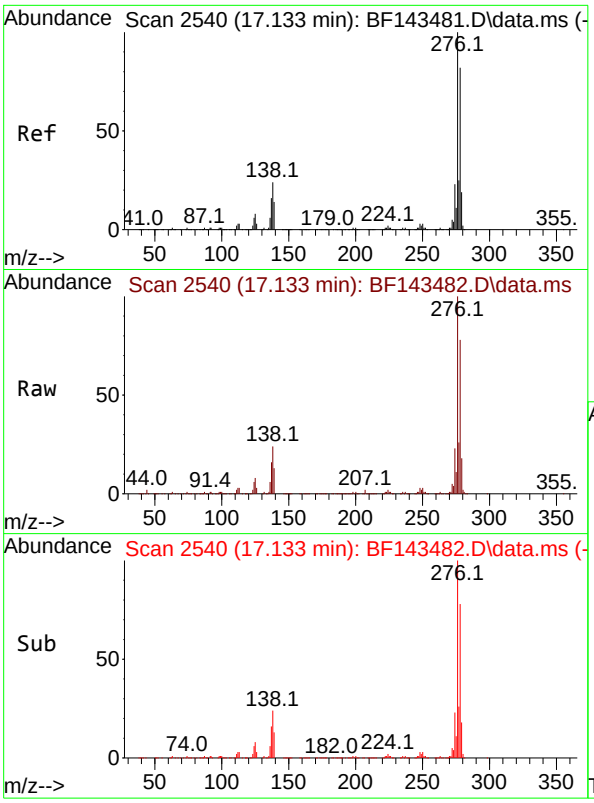


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:264 Resp: 288719

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.1	17.6	26.4



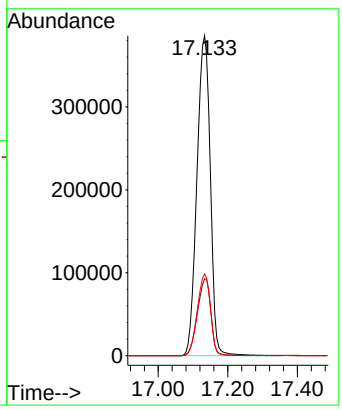


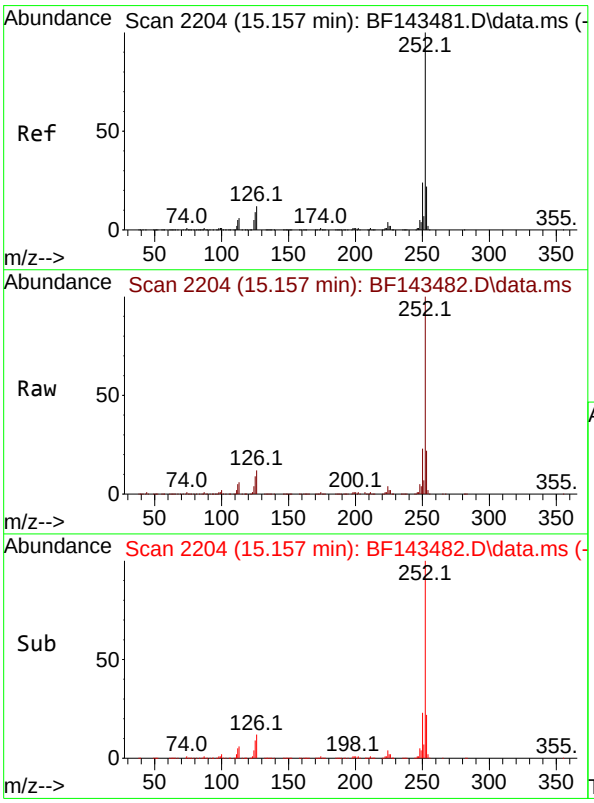
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.646 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1030025

Ion	Ratio	Lower	Upper
276	100		
138	24.0	19.2	28.8
277	25.3	20.3	30.5

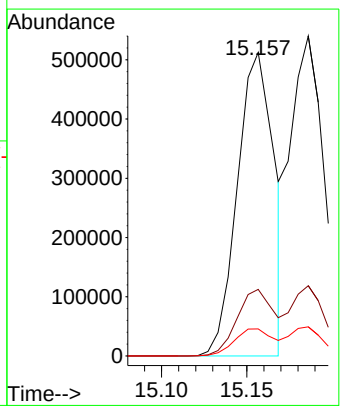


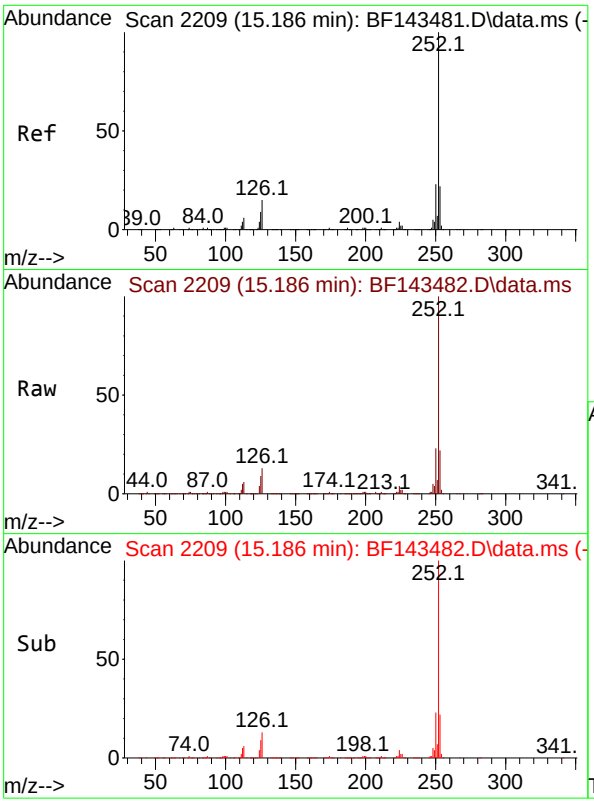


#88
Benzo(b)fluoranthene
Concen: 47.579 ng
RT: 15.157 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:252 Resp: 763584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.9	7.4	11.0



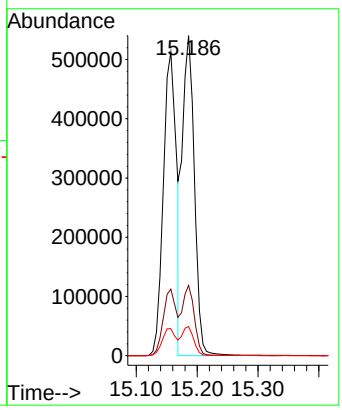


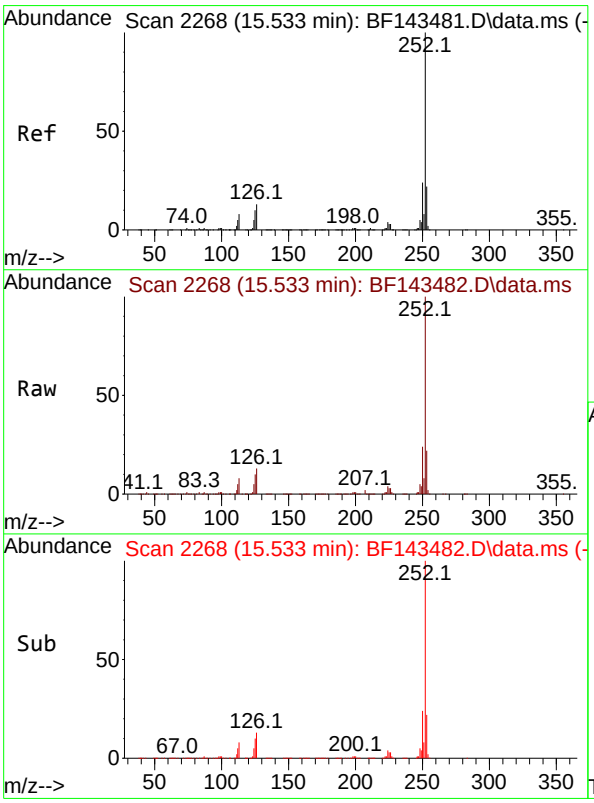
#89
Benzo(k)fluoranthene
Concen: 48.570 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 746332

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	9.1	7.4	11.0

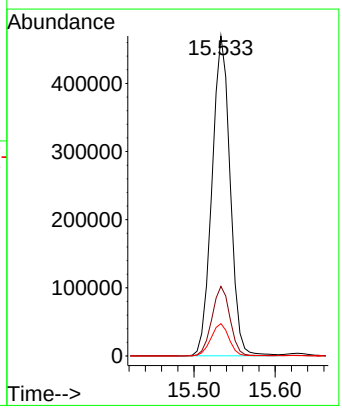


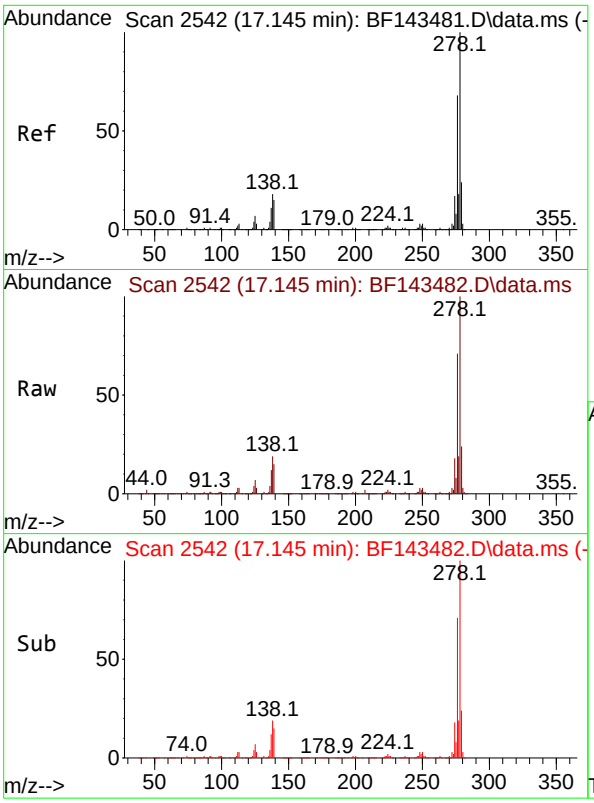


#90
Benzo(a)pyrene
Concen: 48.927 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:252 Resp: 728853

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.1	8.2	12.2



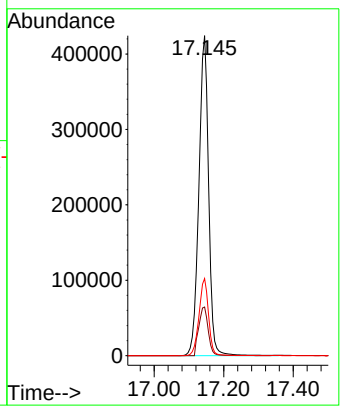


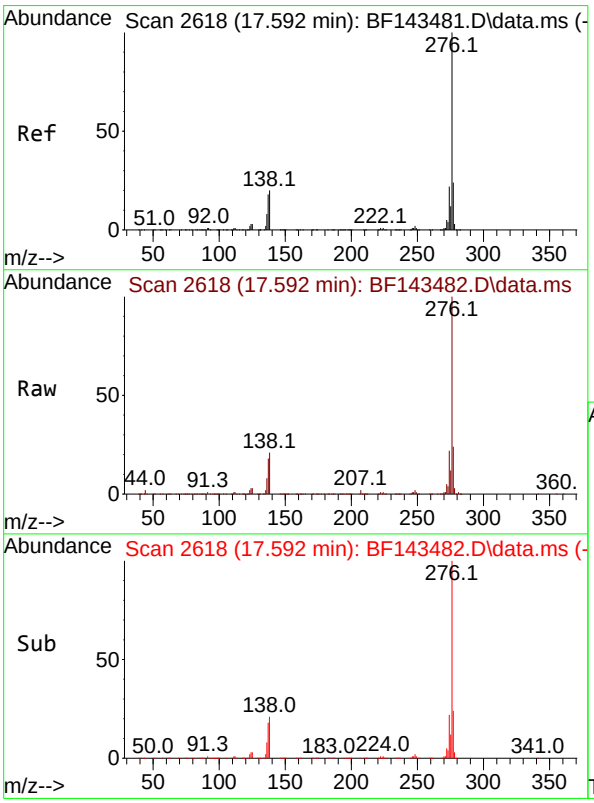
#91
Dibenzo(a,h)anthracene
Concen: 49.612 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 824368

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.1	18.1
279	24.1	19.2	28.8

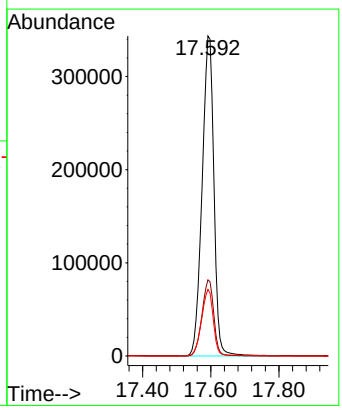




#92
Benzo(g,h,i)perylene
Concen: 50.042 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143482.D
Acq: 20 Aug 2025 13:22

Tgt Ion:276 Resp: 826803

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	20.8	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143483.D
Acq On : 20 Aug 2025 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 20 16:23:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	125960	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	475666	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	254778	20.000	ng		0.00
64) Phenanthrene-d10	11.457	188	374631	20.000	ng		0.00
76) Chrysene-d12	14.098	240	227355	20.000	ng		0.00
86) Perylene-d12	15.592	264	280304	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	859036	119.087	ng		0.00
7) Phenol-d6	6.569	99	1045685	117.430	ng		0.00
23) Nitrobenzene-d5	7.492	82	970478	119.058	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	280822	118.410	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	1690255	109.642	ng		0.00
79) Terphenyl-d14	13.039	244	1434829	110.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.740	88	204781	61.281	ng		99
3) Pyridine	3.522	79	558243	62.721	ng		99
4) n-Nitrosodimethylamine	3.469	42	251614	62.886	ng		97
6) Aniline	6.593	93	704213	59.165	ng	#	85
8) 2-Chlorophenol	6.722	128	479780	60.217	ng		98
9) Benzaldehyde	6.481	77	529696	73.472	ng		99
10) Phenol	6.587	94	601782	58.663	ng		87
11) bis(2-Chloroethyl)ether	6.663	93	461238	60.168	ng		98
12) 1,3-Dichlorobenzene	6.875	146	528623	59.050	ng		100
13) 1,4-Dichlorobenzene	6.945	146	532575	59.307	ng		99
14) 1,2-Dichlorobenzene	7.098	146	503841	59.261	ng		99
15) Benzyl Alcohol	7.075	79	411011	61.650	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	705931	57.560	ng		92
17) 2-Methylphenol	7.187	107	382072	59.749	ng		99
18) Hexachloroethane	7.445	117	184846	60.543	ng		94
19) n-Nitroso-di-n-propyla...	7.345	70	314244	57.737	ng		99
20) 3+4-Methylphenols	7.340	107	445057	58.302	ng		96
22) Acetophenone	7.340	105	584698	56.897	ng		100
24) Nitrobenzene	7.510	77	510499	60.850	ng		98
25) Isophorone	7.751	82	892536	59.733	ng		99
26) 2-Nitrophenol	7.828	139	256573	62.434	ng		98
27) 2,4-Dimethylphenol	7.863	122	378590	59.098	ng		99
28) bis(2-Chloroethoxy)met...	7.957	93	541094	58.925	ng		99
29) 2,4-Dichlorophenol	8.075	162	403885	59.031	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	414723	58.956	ng		99
31) Naphthalene	8.234	128	1314277	57.551	ng		100
32) Benzoic acid	7.998	122	232136	61.815	ng		98
33) 4-Chloroaniline	8.281	127	471374	58.156	ng		99
34) Hexachlorobutadiene	8.351	225	270626	58.968	ng		99
35) Caprolactam	8.663	113	99502	60.607	ng		99
36) 4-Chloro-3-methylphenol	8.763	107	404673	59.020	ng		100
37) 2-Methylnaphthalene	8.922	142	869902	57.034	ng		100
38) 1-Methylnaphthalene	9.022	142	828346	56.776	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	421909	57.894	ng		99
41) Hexachlorocyclopentadiene	9.081	237	172625	62.497	ng		100
43) 2,4,6-Trichlorophenol	9.204	196	275502	61.437	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143483.D
Acq On : 20 Aug 2025 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 20 16:23:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

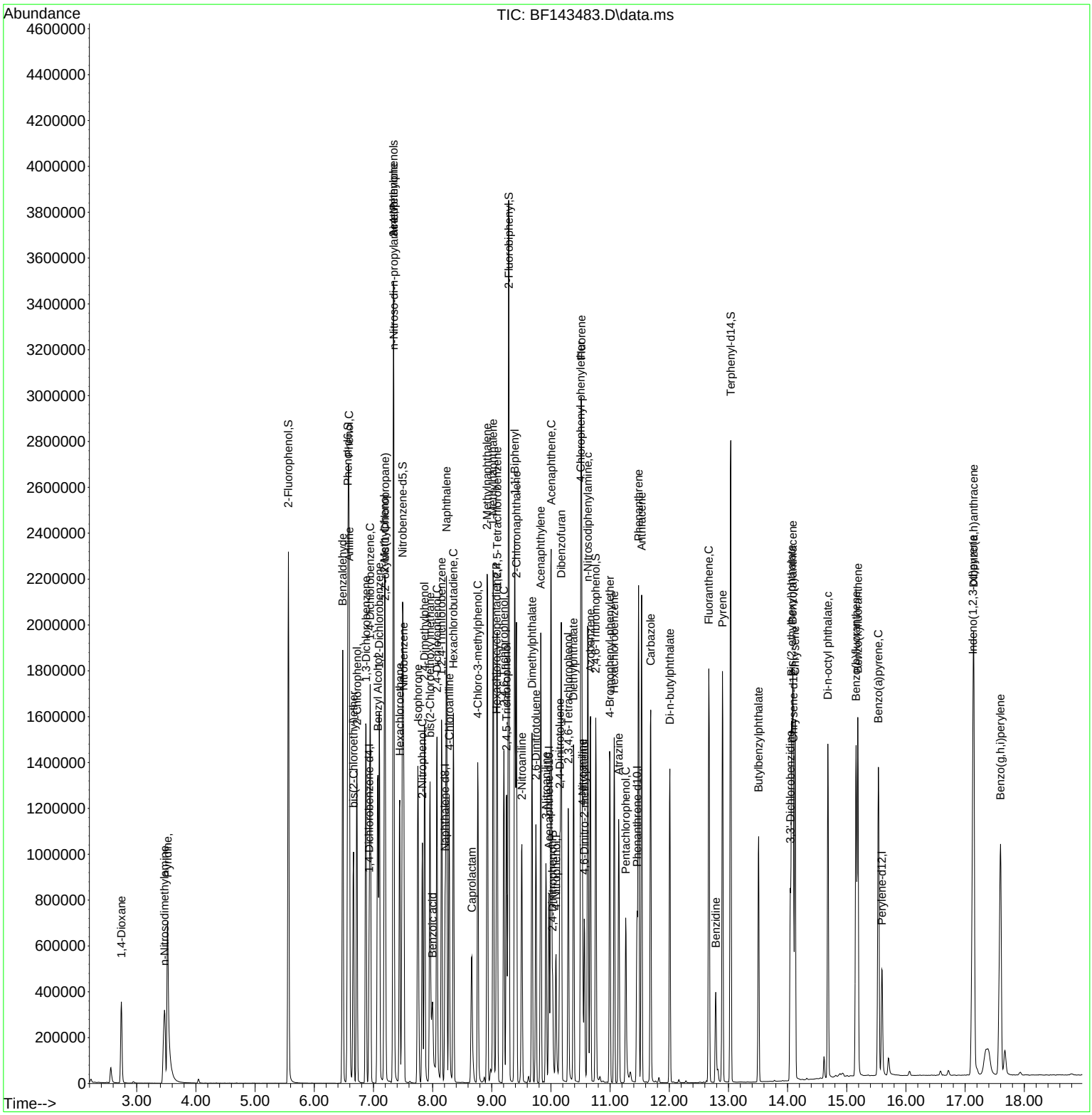
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	295585	60.345	ng	98
46) 1,1'-Biphenyl	9.386	154	1031320	57.031	ng	100
47) 2-Chloronaphthalene	9.416	162	816474	57.544	ng	99
48) 2-Nitroaniline	9.510	65	252618	60.835	ng	95
49) Acenaphthylene	9.828	152	1171986	57.687	ng	100
50) Dimethylphthalate	9.681	163	898362	58.546	ng	100
51) 2,6-Dinitrotoluene	9.745	165	196694	61.849	ng	98
52) Acenaphthene	10.004	154	798226	57.868	ng	100
53) 3-Nitroaniline	9.916	138	207068	60.257	ng	99
54) 2,4-Dinitrophenol	10.028	184	105073	62.986	ng	98
55) Dibenzofuran	10.175	168	1110414	56.463	ng	99
56) 4-Nitrophenol	10.086	139	131356	64.242	ng	97
57) 2,4-Dinitrotoluene	10.151	165	263001	61.935	ng	99
58) Fluorene	10.516	166	842185	55.641	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	226735	62.306	ng	99
60) Diethylphthalate	10.381	149	791582	57.538	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	433351	57.247	ng	99
62) 4-Nitroaniline	10.533	138	189435	60.015	ng	98
63) Azobenzene	10.669	77	815353	57.158	ng	98
65) 4,6-Dinitro-2-methylph...	10.563	198	139830	66.197	ng	95
66) n-Nitrosodiphenylamine	10.622	169	714577	59.270	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	270225	60.454	ng	100
68) Hexachlorobenzene	11.069	284	288119	59.797	ng	99
69) Atrazine	11.145	200	195334	62.765	ng	99
70) Pentachlorophenol	11.263	266	146959	66.597	ng	99
71) Phenanthrene	11.480	178	1160860	57.863	ng	100
72) Anthracene	11.533	178	1164449	57.295	ng	100
73) Carbazole	11.686	167	967633	58.105	ng	99
74) Di-n-butylphthalate	12.010	149	963249	62.003	ng	99
75) Fluoranthene	12.669	202	1037239	57.619	ng	100
77) Benzidine	12.786	184	250962	45.316	ng	99
78) Pyrene	12.898	202	1030970	55.127	ng	99
80) Butylbenzylphthalate	13.510	149	347496	68.017	ng	99
81) Benzo(a)anthracene	14.086	228	897535	61.318	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	257059	61.324	ng	97
83) Chrysene	14.127	228	767443	58.342	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	523115	67.227	ng	99
85) Di-n-octyl phthalate	14.680	149	963857	66.864	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	1232879	61.208	ng	100
88) Benzo(b)fluoranthene	15.157	252	897808	57.622	ng	99
89) Benzo(k)fluoranthene	15.186	252	928660	62.250	ng	100
90) Benzo(a)pyrene	15.533	252	876864	60.630	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	982366	60.896	ng	99
92) Benzo(g,h,i)perylene	17.598	276	985608	61.444	ng	100

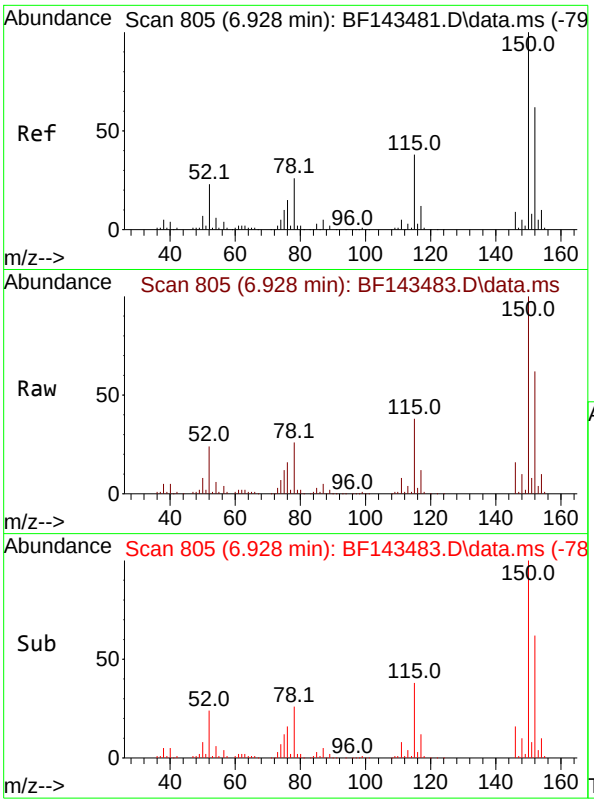
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143483.D
Acq On : 20 Aug 2025 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 20 16:23:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



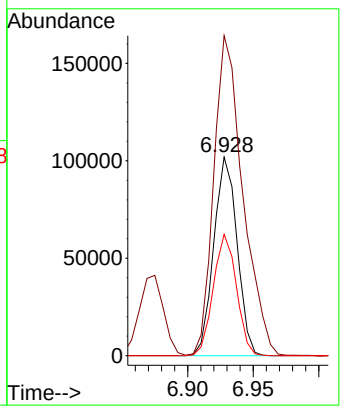


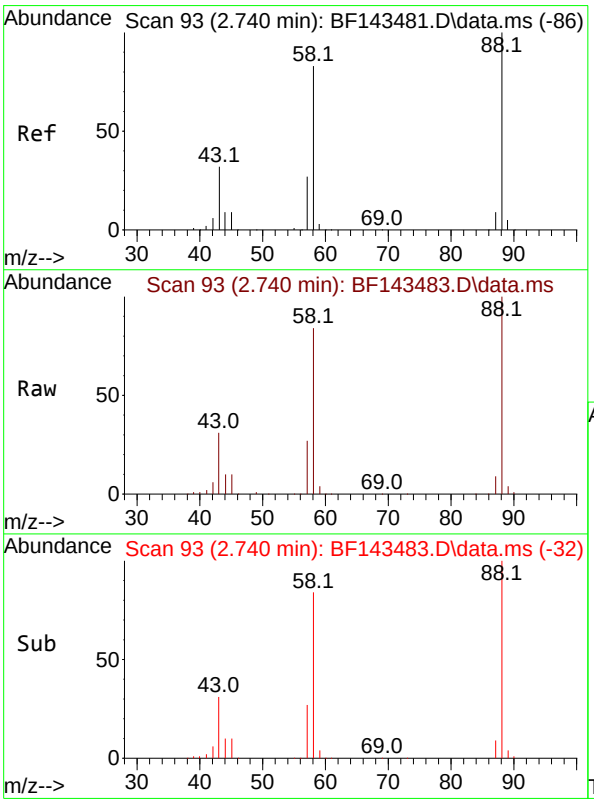
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 125960

Ion	Ratio	Lower	Upper
152	100		
150	161.2	128.9	193.3
115	61.1	49.2	73.8

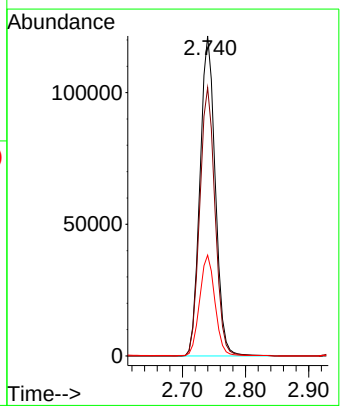


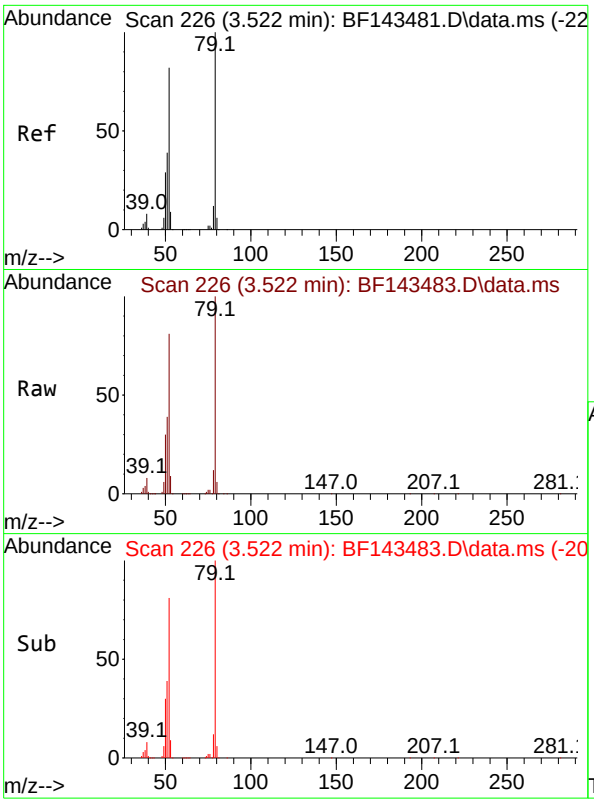


#2
1,4-Dioxane
Concen: 61.281 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 88 Resp: 204781

Ion	Ratio	Lower	Upper
88	100		
58	84.0	66.7	100.1
43	31.8	25.8	38.8



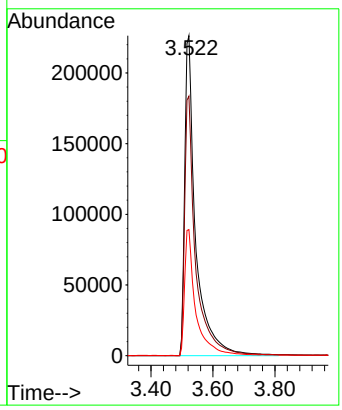


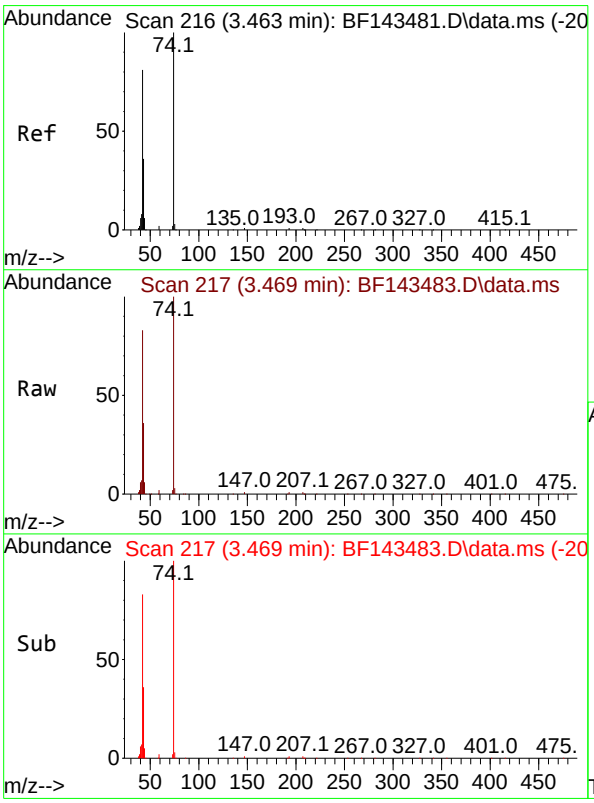
#3
Pyridine
Concen: 62.721 ng
RT: 3.522 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 558243

Ion	Ratio	Lower	Upper
79	100		
52	81.1	65.6	98.4
51	39.4	31.2	46.8

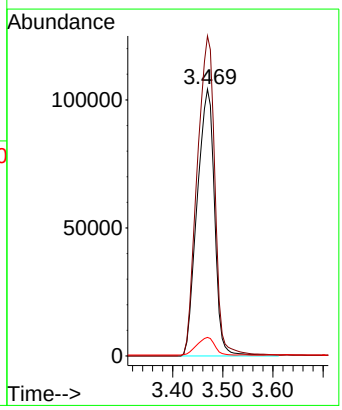


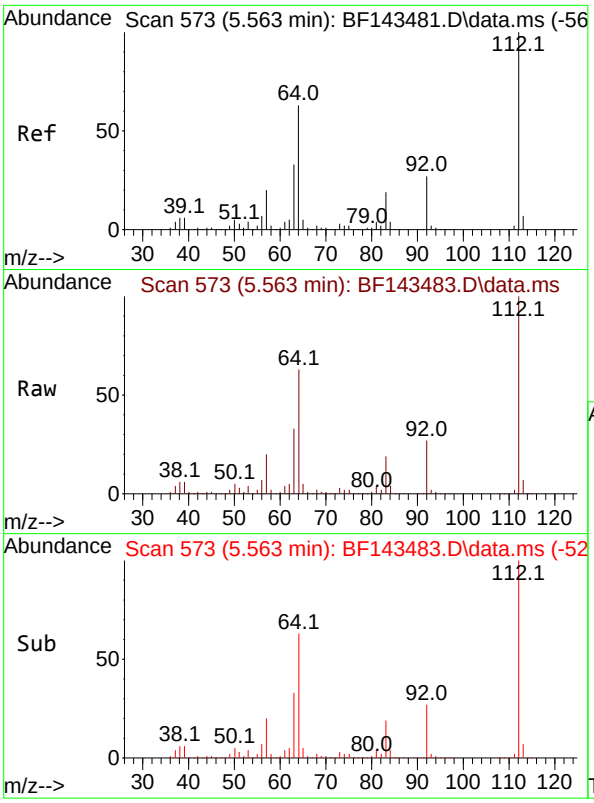


#4
n-Nitrosodimethylamine
Concen: 62.886 ng
RT: 3.469 min Scan# 217
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 42 Resp: 251614

Ion	Ratio	Lower	Upper
42	100		
74	120.0	98.6	148.0
44	7.0	5.8	8.8



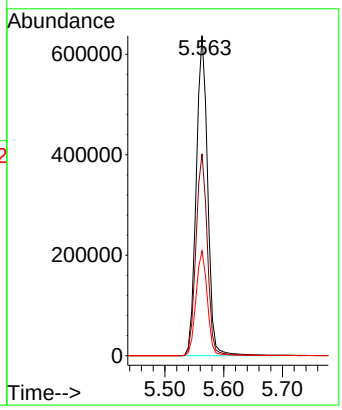


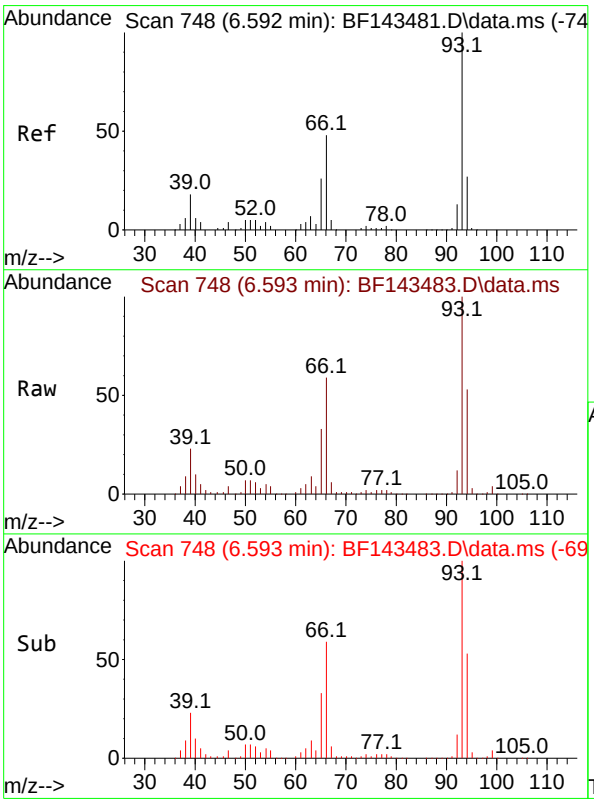
#5
2-Fluorophenol
Concen: 119.087 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 859036

Ion	Ratio	Lower	Upper
112	100		
64	63.1	50.4	75.6
63	32.8	26.4	39.6

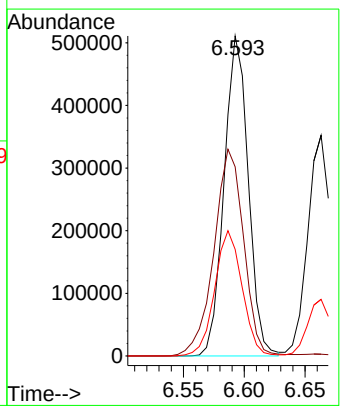


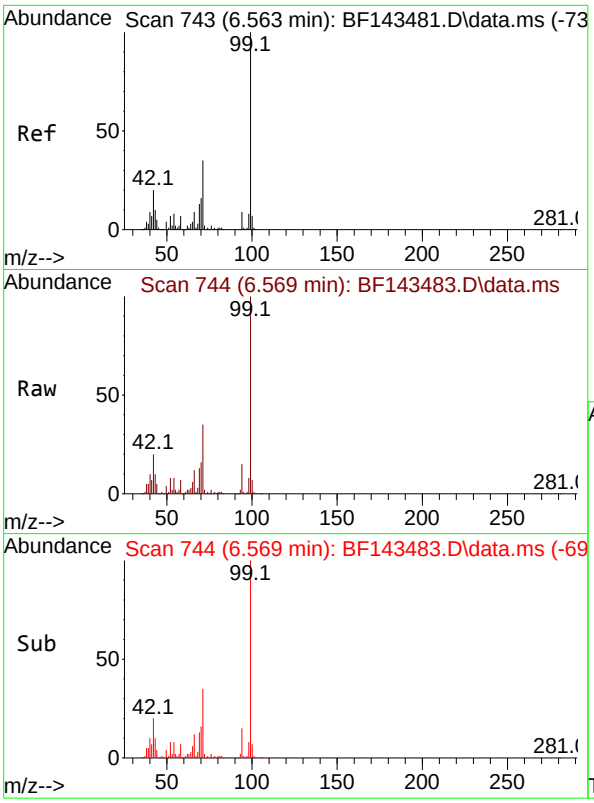


#6
Aniline
Concen: 59.165 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 93 Resp: 704213

Ion	Ratio	Lower	Upper
93	100		
66	59.1	38.9	58.3#
65	33.3	20.6	30.8#



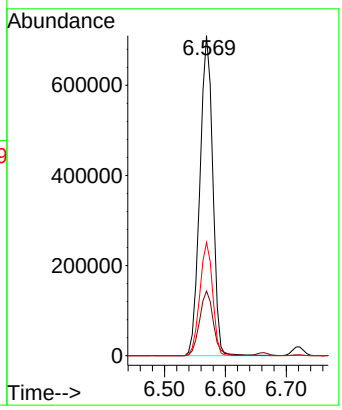


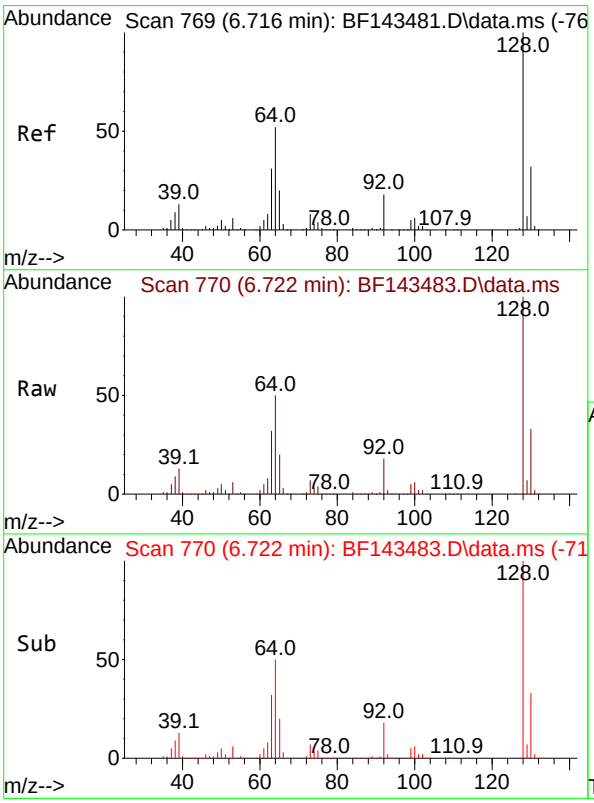
#7
Phenol-d6
Concen: 117.430 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1045685

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.3	24.5
71	35.4	28.2	42.2

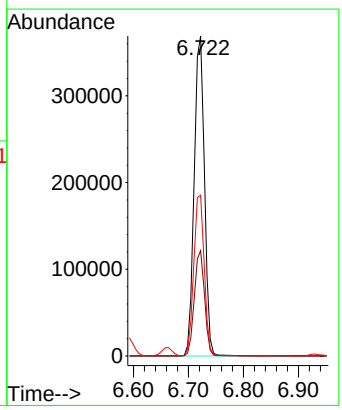


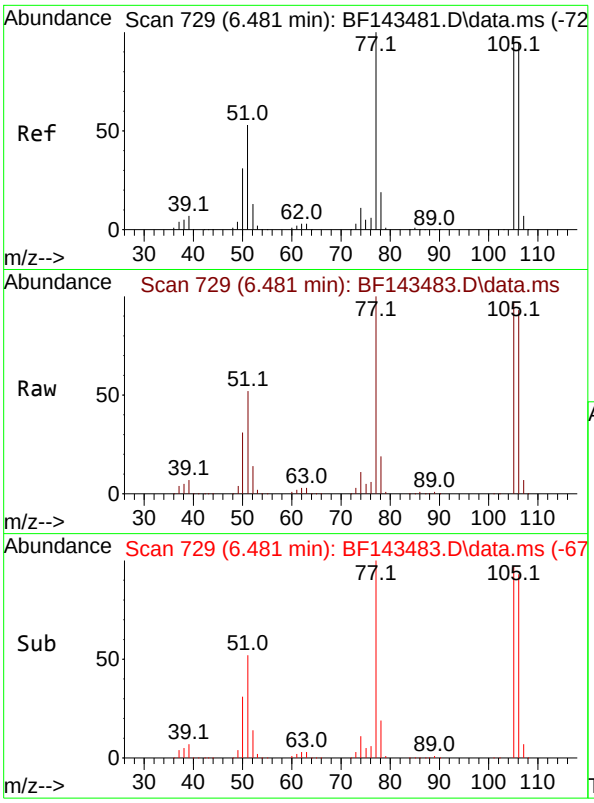


#8
2-Chlorophenol
Concen: 60.217 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:128 Resp: 479780

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.4	52.4
64	50.3	31.6	71.6



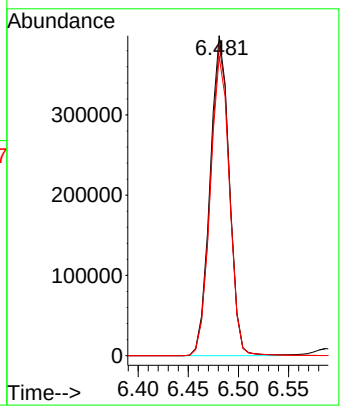


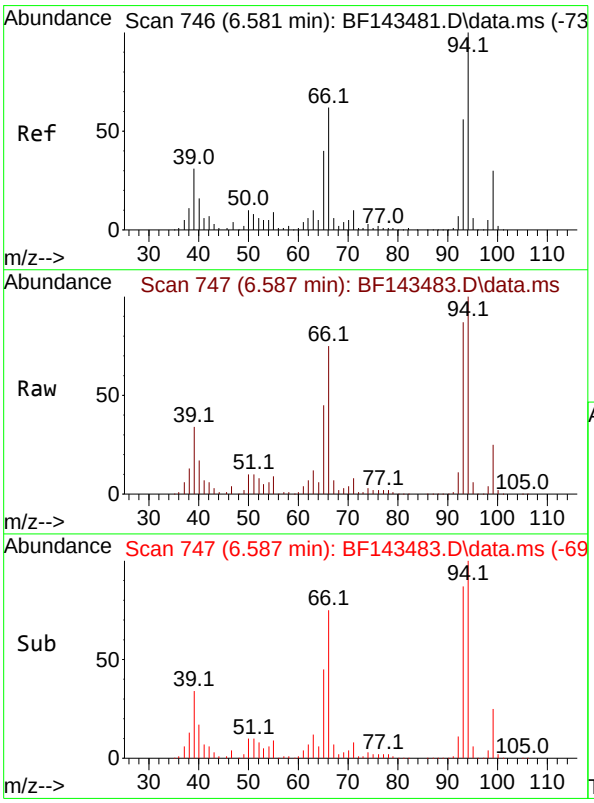
#9
Benzaldehyde
Concen: 73.472 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 529696

Ion	Ratio	Lower	Upper
77	100		
105	97.0	78.1	118.1
106	93.4	74.9	114.9

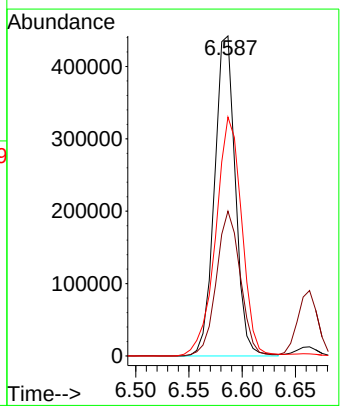


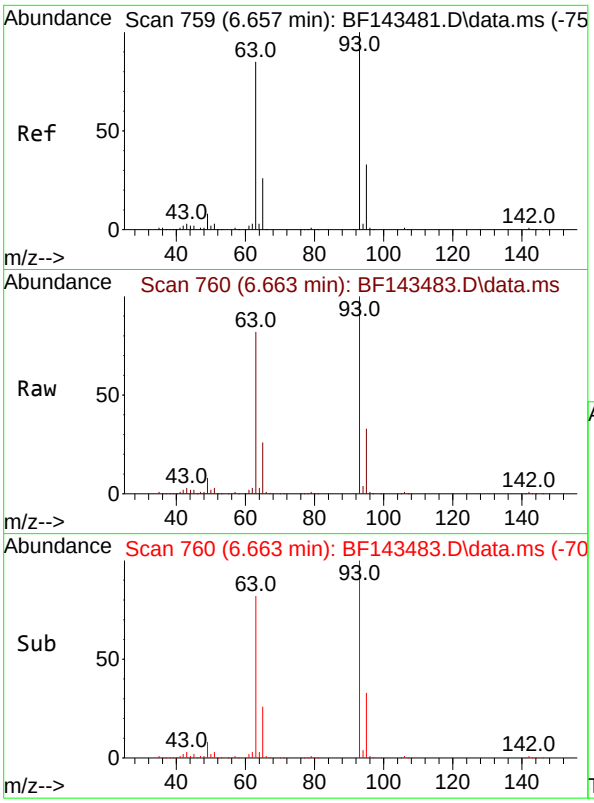


#10
Phenol
Concen: 58.663 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 94 Resp: 601782

Ion	Ratio	Lower	Upper
94	100		
65	45.3	19.5	59.5
66	74.7	42.5	82.5



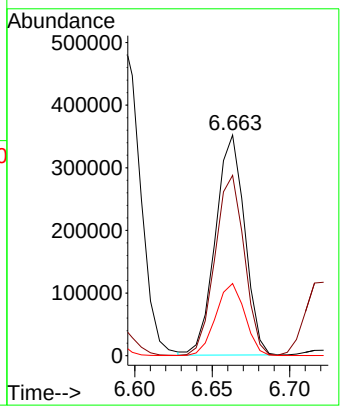


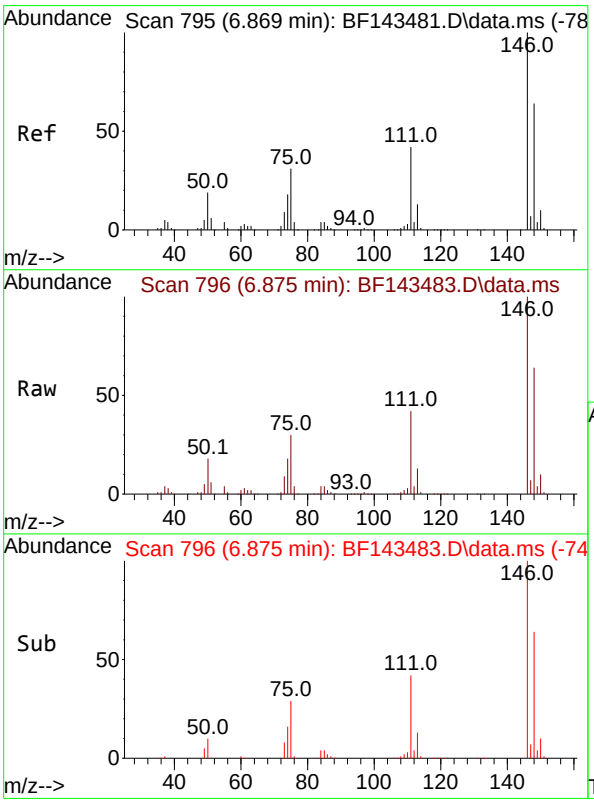
#11
bis(2-Chloroethyl)ether
Concen: 60.168 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 461238

Ion	Ratio	Lower	Upper
93	100		
63	81.7	63.6	103.6
95	32.7	12.8	52.8

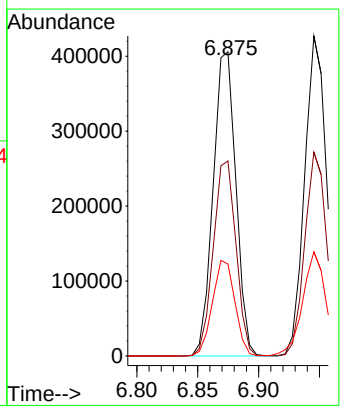


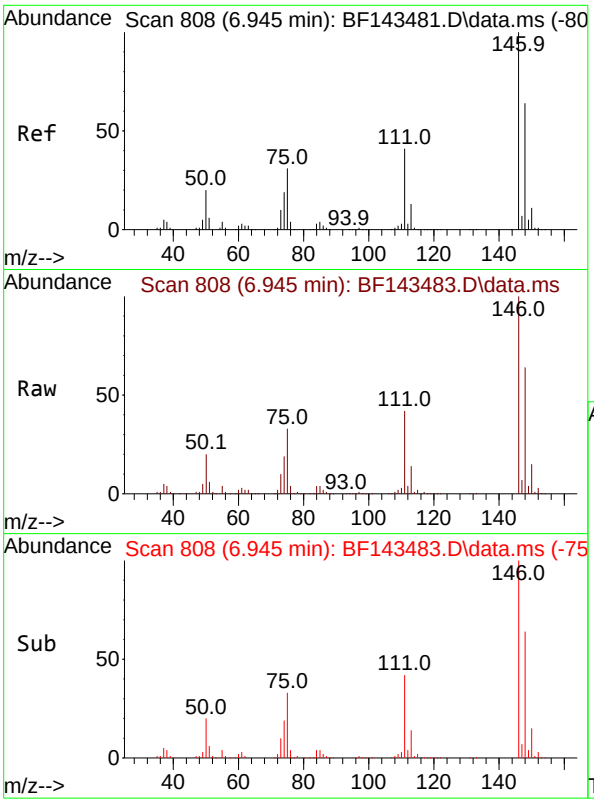


#12
1,3-Dichlorobenzene
Concen: 59.050 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:146 Resp: 528623

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	30.3	24.7	37.1



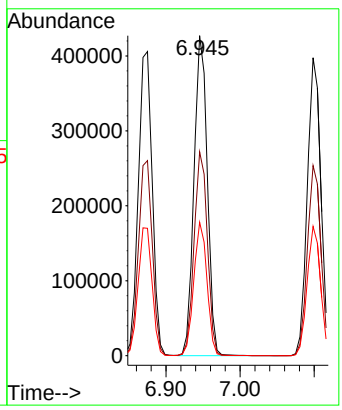


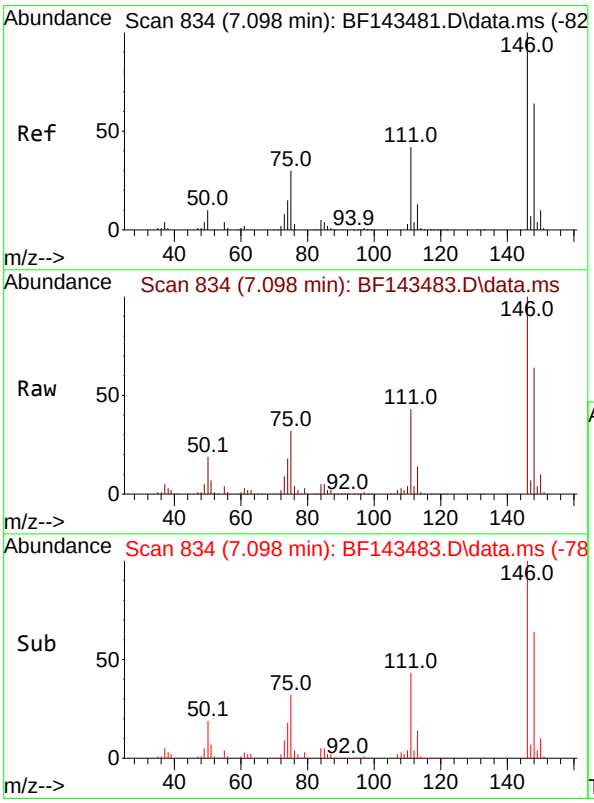
#13
1,4-Dichlorobenzene
Concen: 59.307 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 532575

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	41.7	32.6	49.0

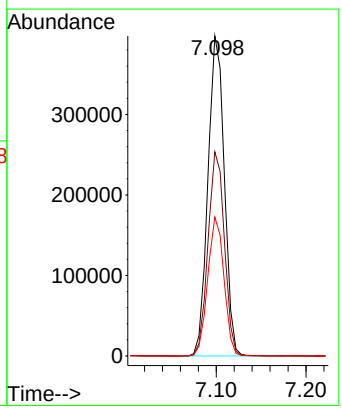


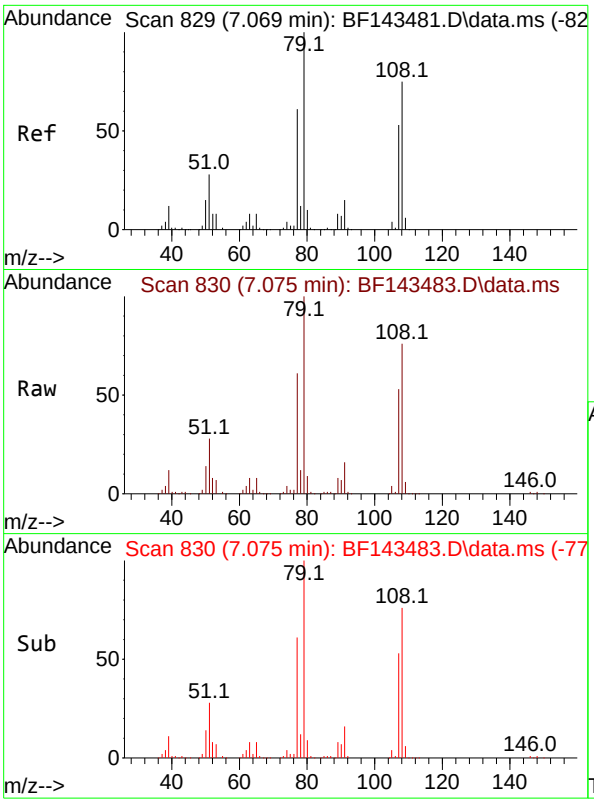


#14
1,2-Dichlorobenzene
Concen: 59.261 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:146 Resp: 503841

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.4	34.0	51.0



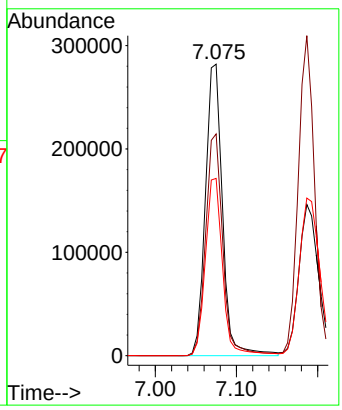


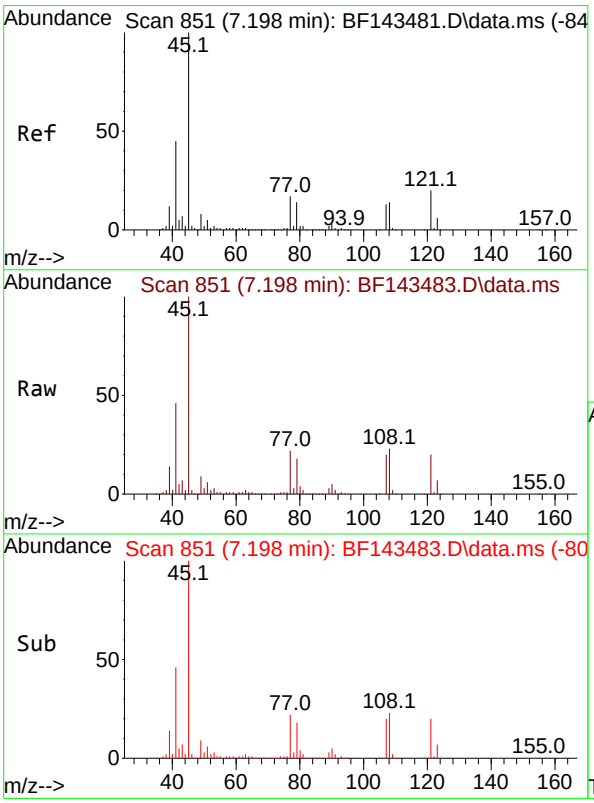
#15
Benzyl Alcohol
Concen: 61.650 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 411011

Ion	Ratio	Lower	Upper
79	100		
108	76.1	59.8	89.6
77	60.8	49.0	73.4

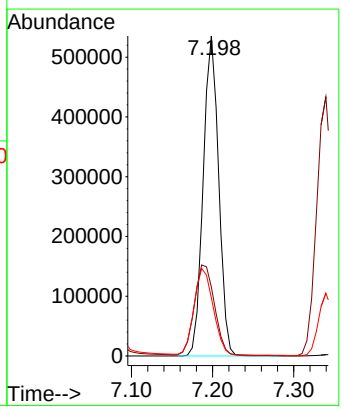


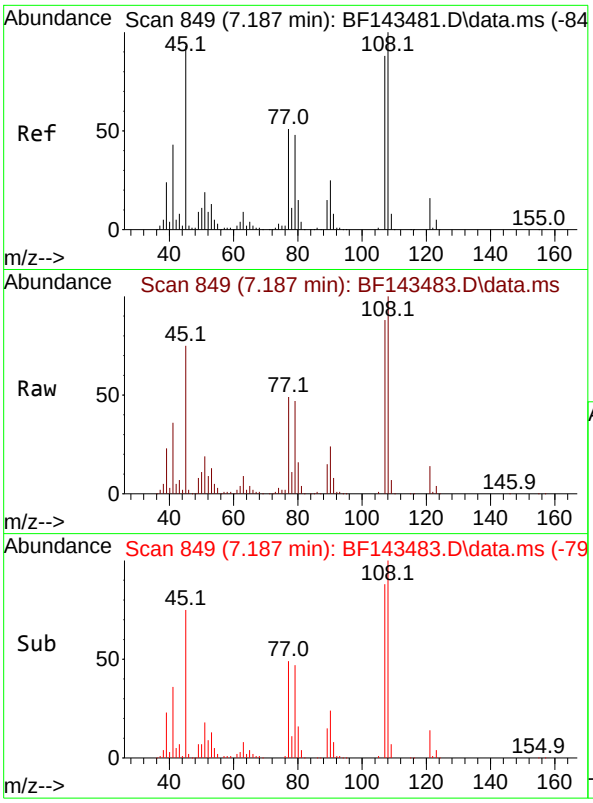


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.560 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 45 Resp: 705931

Ion	Ratio	Lower	Upper
45	100		
77	21.6	0.0	37.9
79	18.2	0.0	34.7



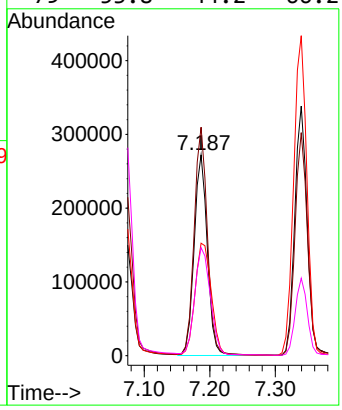


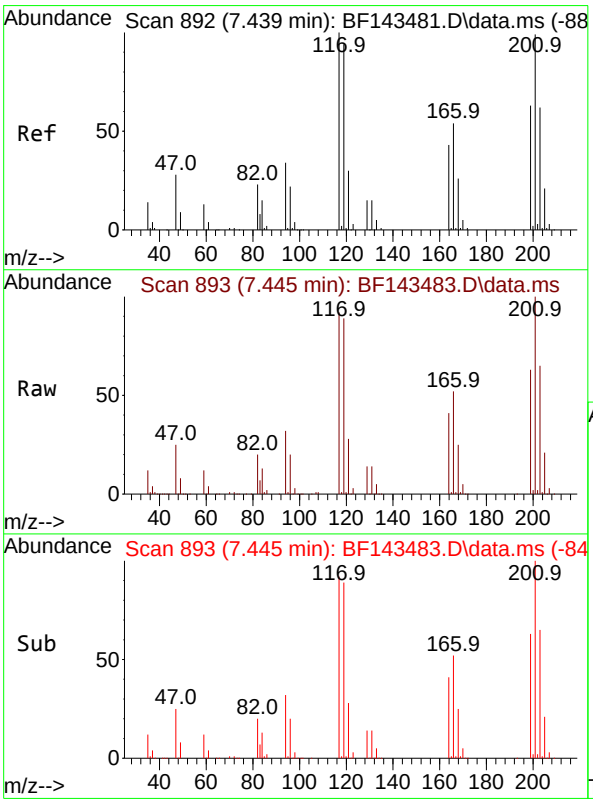
#17
2-Methylphenol
Concen: 59.749 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 382072

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.1	136.7
77	56.0	46.2	69.4
79	53.8	44.2	66.2

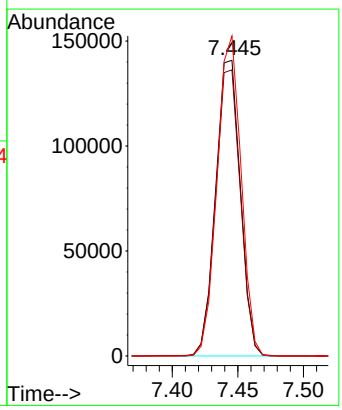


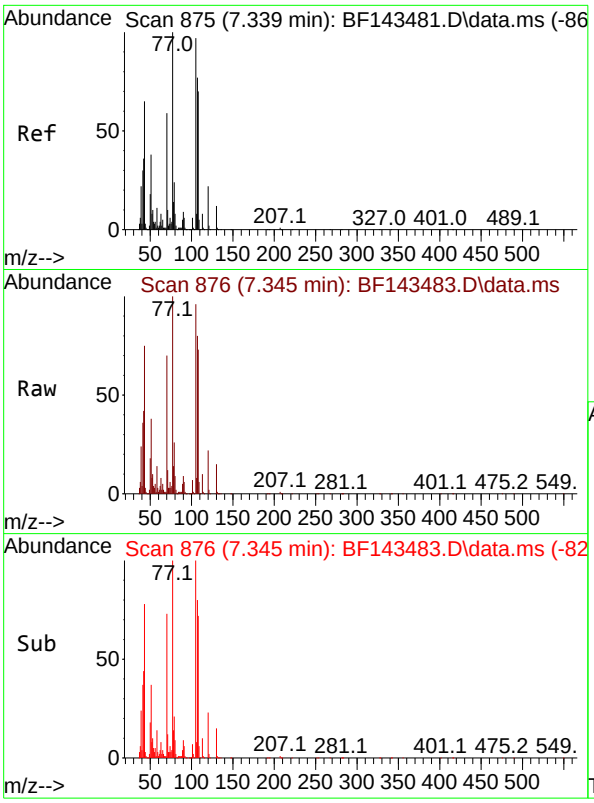


#18
Hexachloroethane
Concen: 60.543 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:117 Resp: 184846

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.4	113.0
201	108.2	79.0	118.4



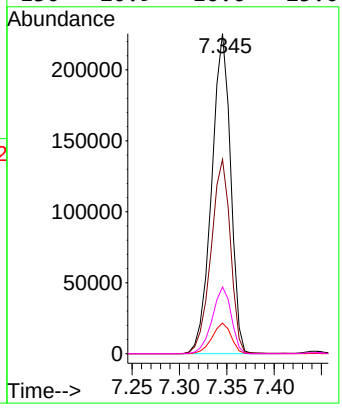


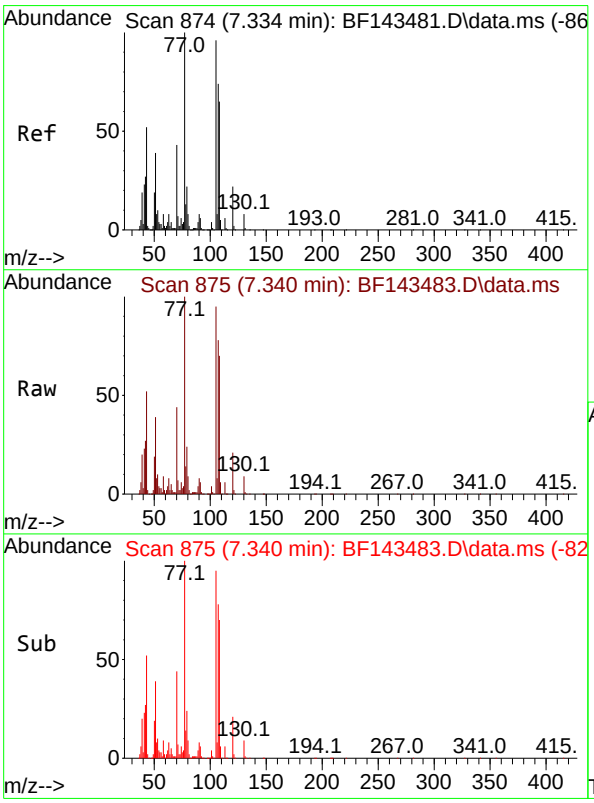
#19
n-Nitroso-di-n-propylamine
Concen: 57.737 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 314244

Ion	Ratio	Lower	Upper
70	100		
42	60.7	49.3	73.9
101	9.6	7.8	11.8
130	20.9	16.6	25.0

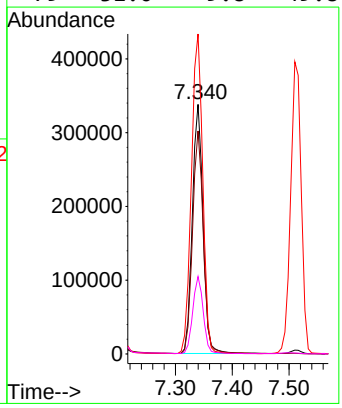


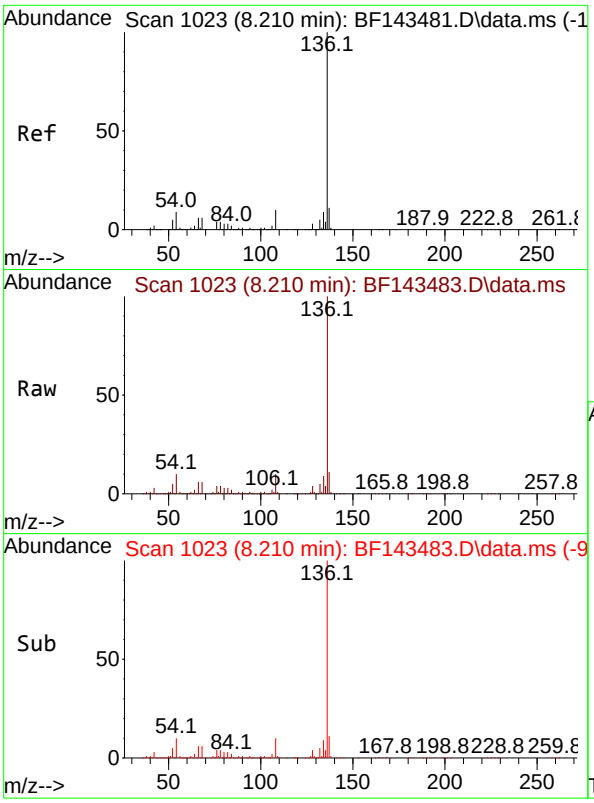


#20
3+4-Methylphenols
Concen: 58.302 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:107 Resp: 445057

Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.4	108.4
77	128.2	116.1	156.1
79	31.0	9.8	49.8



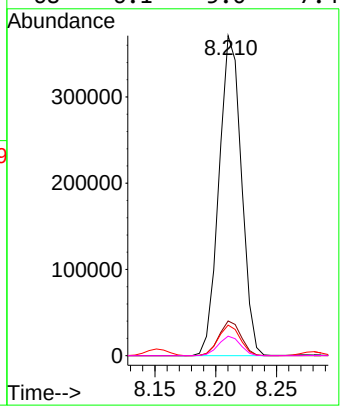


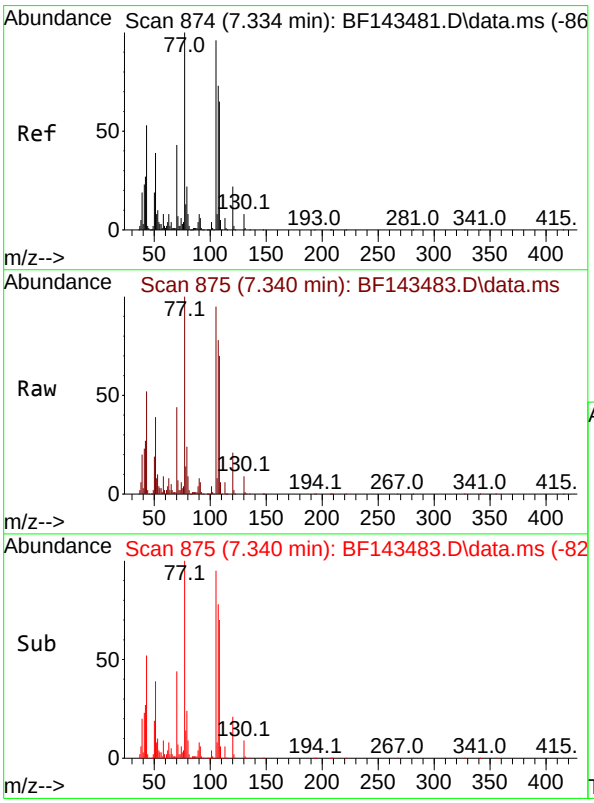
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 475666

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.6	7.4	11.2
68	6.1	5.0	7.4

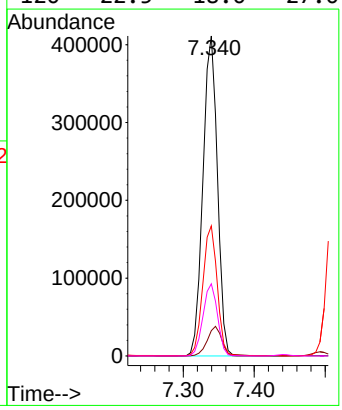


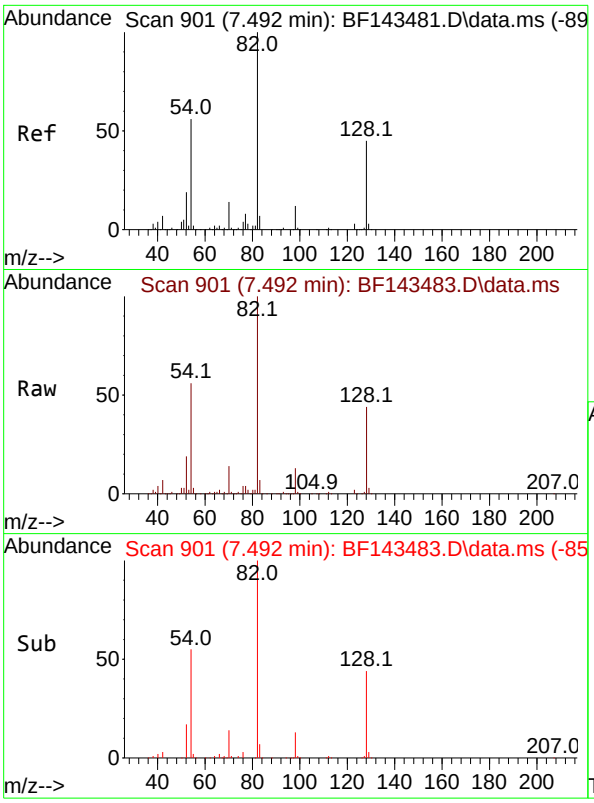


#22
Acetophenone
Concen: 56.897 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:105 Resp: 584698

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.9	8.9
51	40.6	32.5	48.7
120	22.5	18.0	27.0



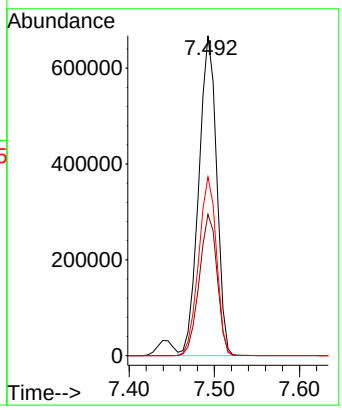


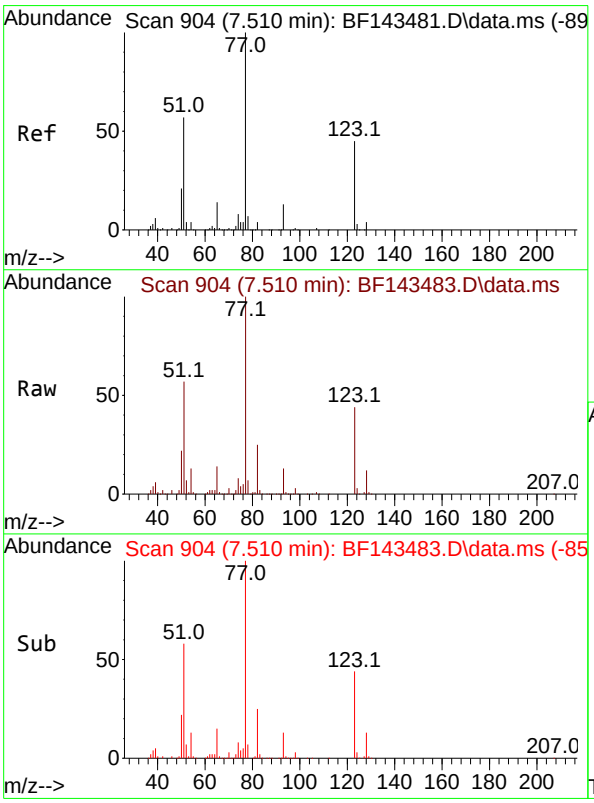
#23
Nitrobenzene-d5
Concen: 119.058 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 970478

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.5	53.3
54	55.9	44.3	66.5

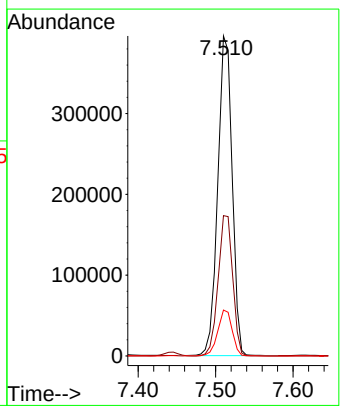


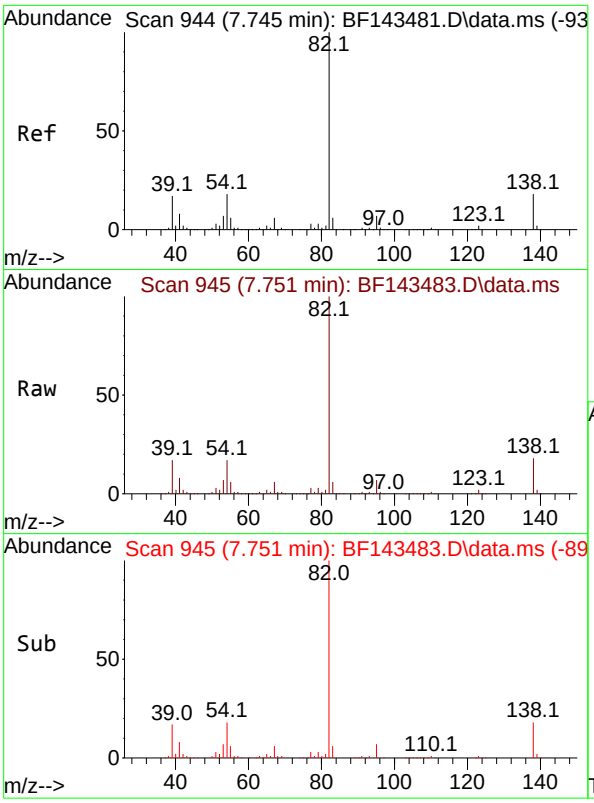


#24
Nitrobenzene
Concen: 60.850 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 77 Resp: 510499

Ion	Ratio	Lower	Upper
77	100		
123	43.9	36.1	54.1
65	14.4	11.0	16.6



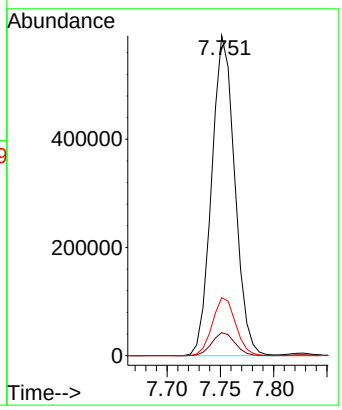


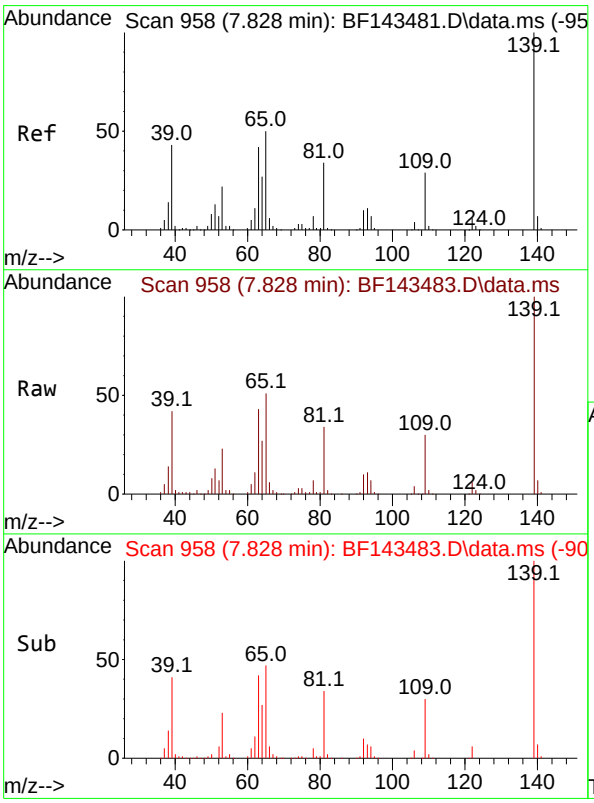
#25
Isophorone
Concen: 59.733 ng
RT: 7.751 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 892536

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	18.1	14.2	21.4

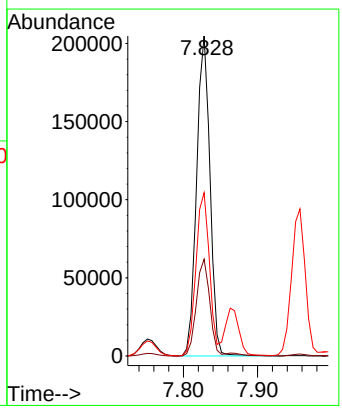


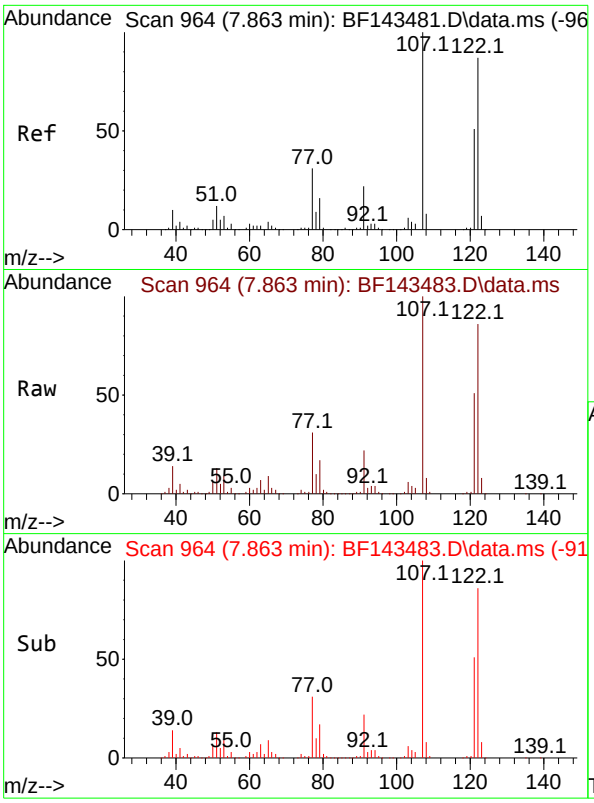


#26
2-Nitrophenol
Concen: 62.434 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:139 Resp: 256573

Ion	Ratio	Lower	Upper
139	100		
109	30.3	23.0	34.6
65	51.0	40.3	60.5



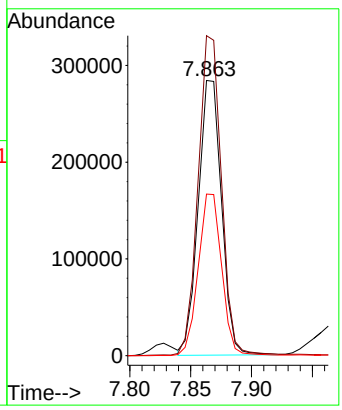


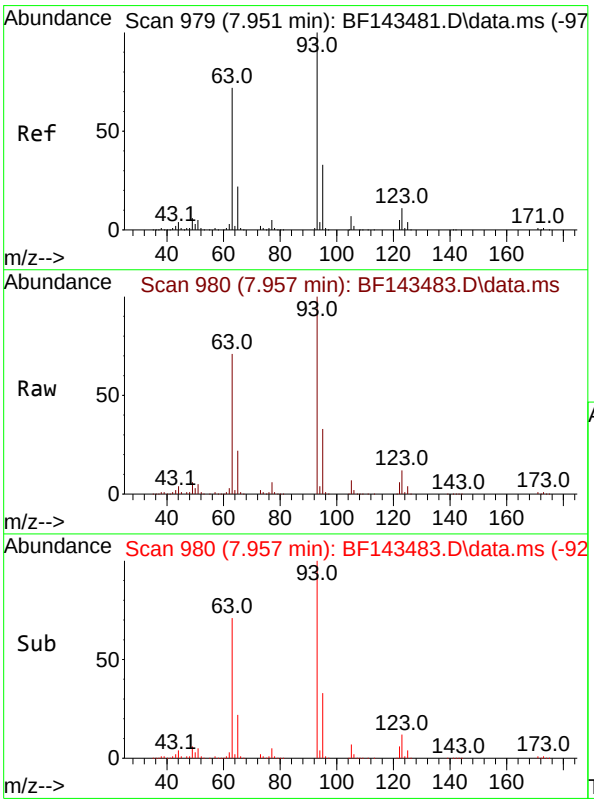
#27
2,4-Dimethylphenol
Concen: 59.098 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 378590

Ion	Ratio	Lower	Upper
122	100		
107	116.3	91.5	137.3
121	58.7	47.0	70.4

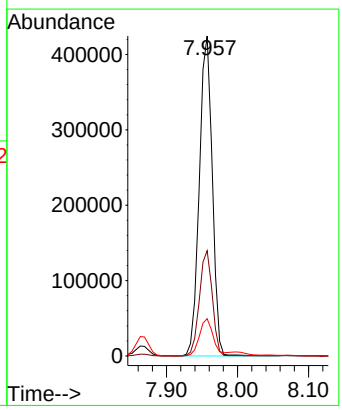


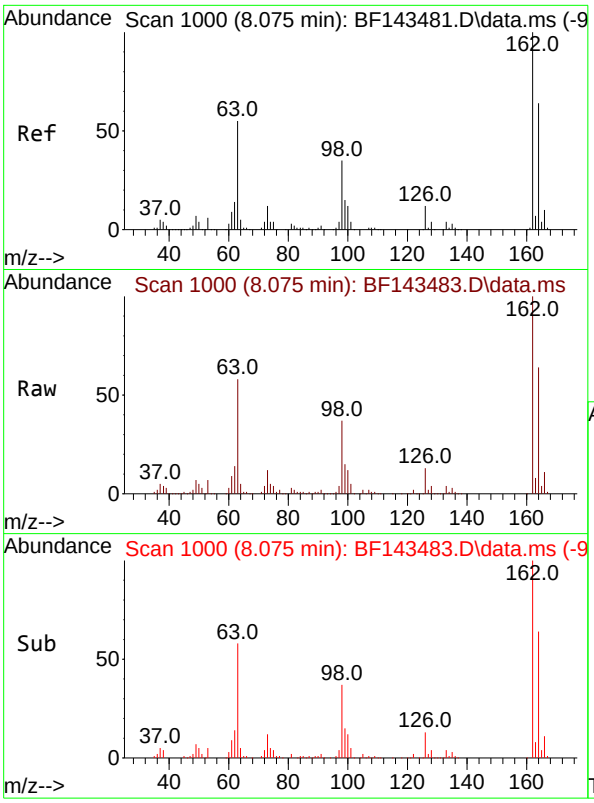


#28
bis(2-Chloroethoxy)methane
Concen: 58.925 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 93 Resp: 541094

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	11.7	9.1	13.7



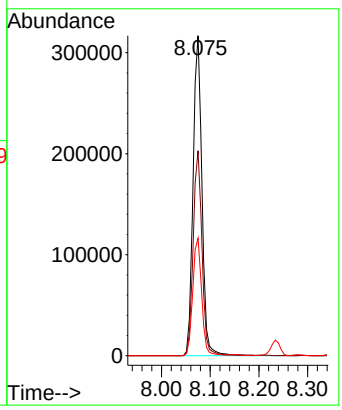


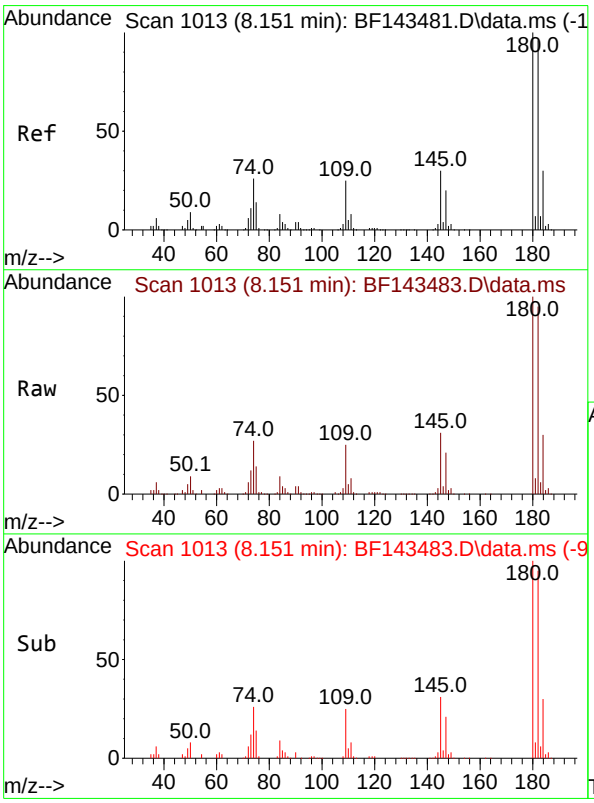
#29
2,4-Dichlorophenol
Concen: 59.031 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 403885

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.5	83.5
98	36.7	15.1	55.1

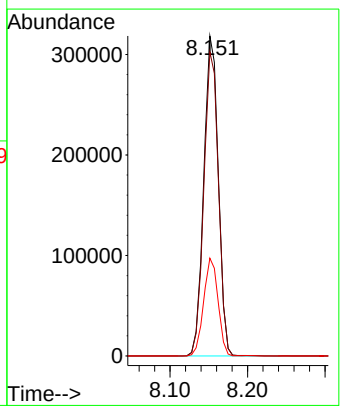


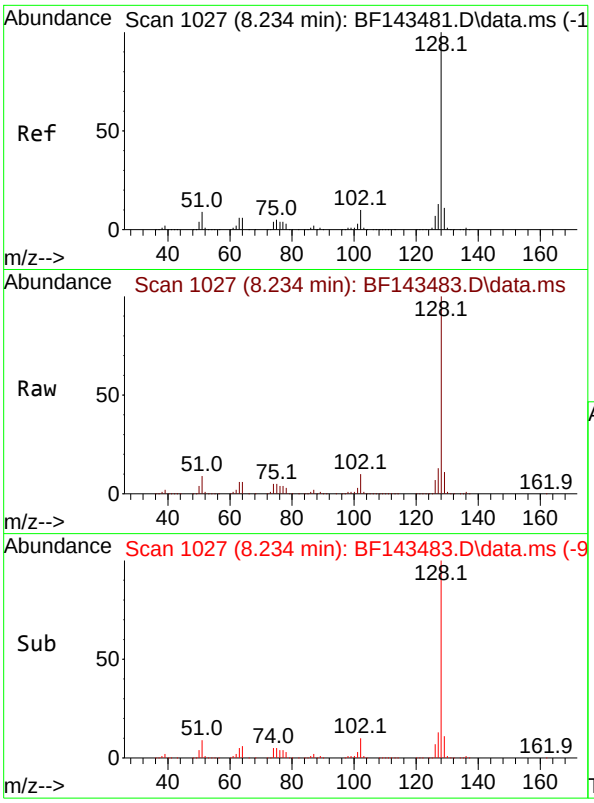


#30
1,2,4-Trichlorobenzene
Concen: 58.956 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:180 Resp: 414723

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	30.6	24.3	36.5



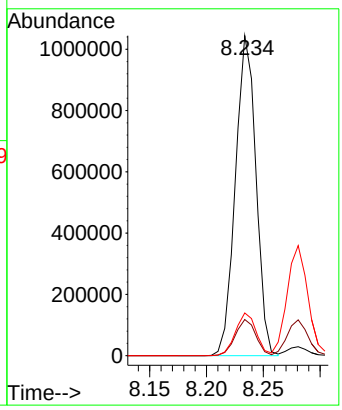


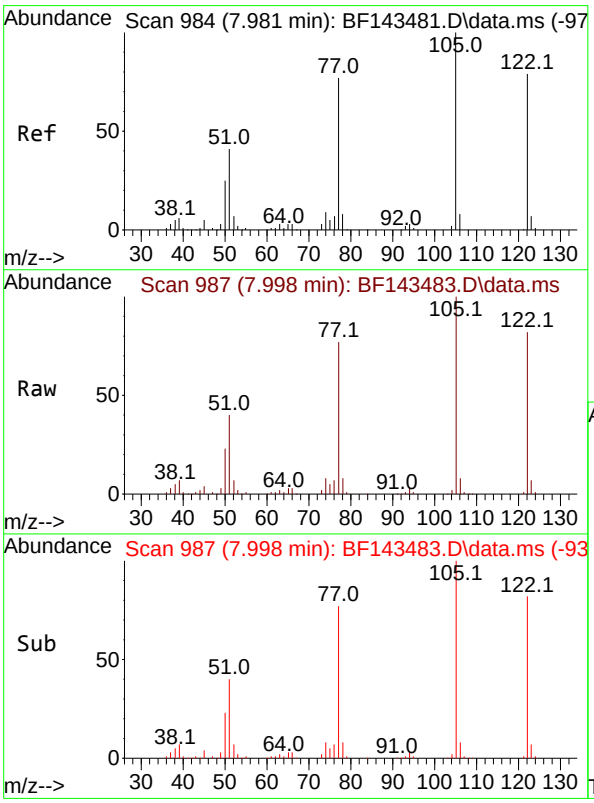
#31
Naphthalene
Concen: 57.551 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1314277

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.4	10.6	16.0

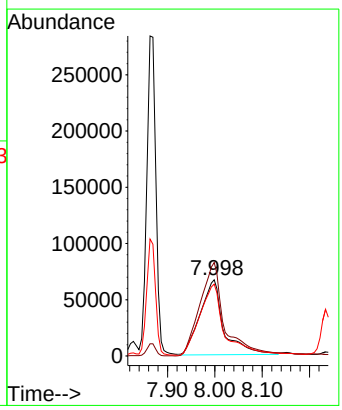


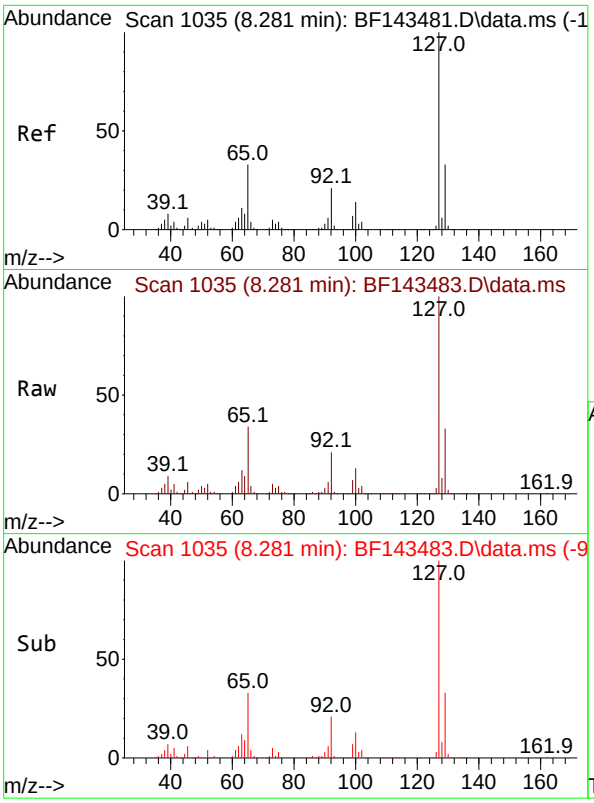


#32
Benzoic acid
Concen: 61.815 ng
RT: 7.998 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:122 Resp: 232136

Ion	Ratio	Lower	Upper
122	100		
105	122.6	104.7	144.7
77	94.3	77.3	117.3



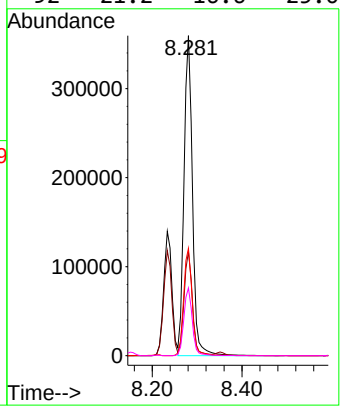


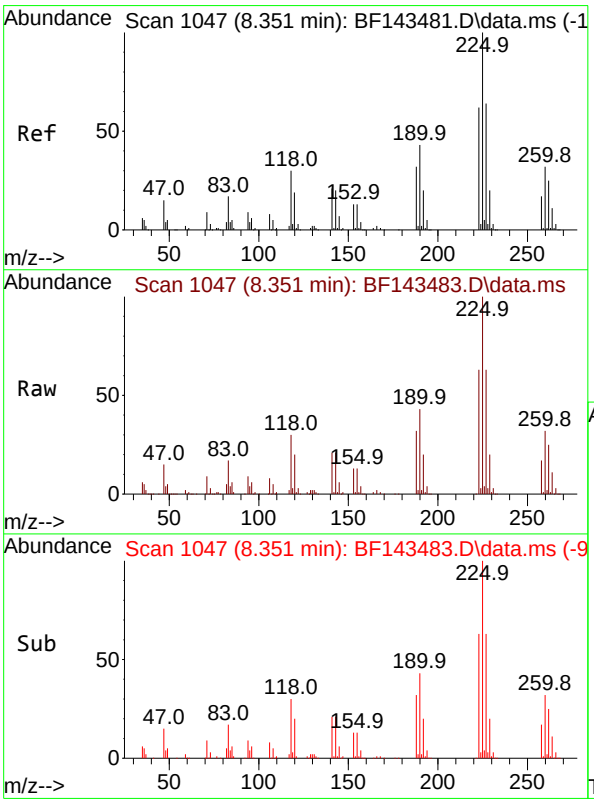
#33
4-Chloroaniline
Concen: 58.156 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 471374

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	33.6	26.2	39.2
92	21.2	16.6	25.0

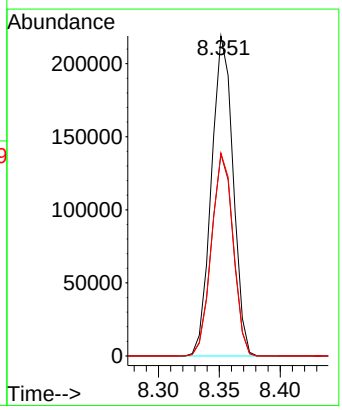


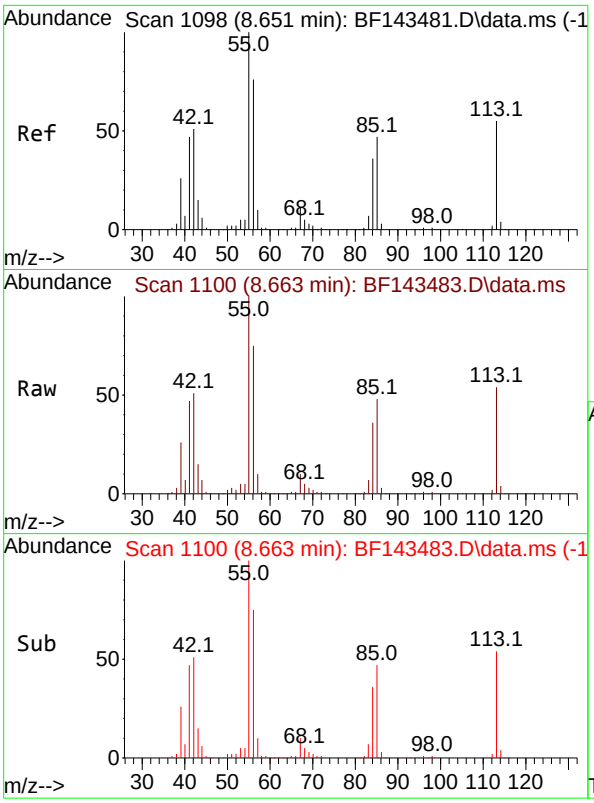


#34
Hexachlorobutadiene
Concen: 58.968 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:225 Resp: 270626

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.9	74.9
227	63.4	50.9	76.3



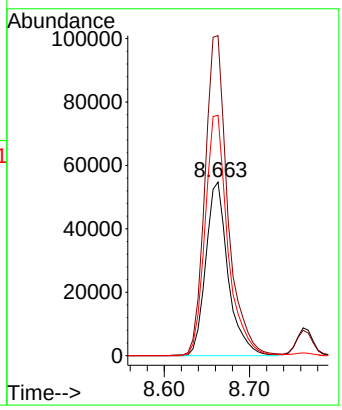


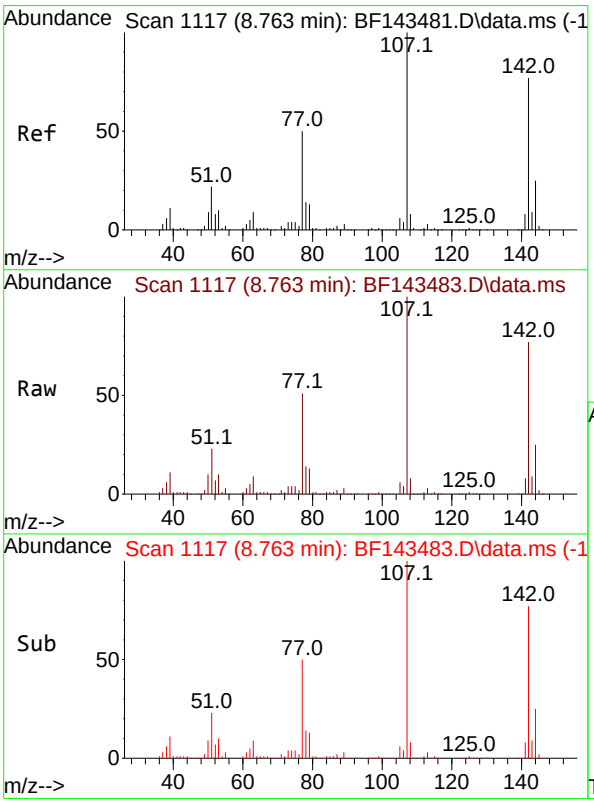
#35
Caprolactam
Concen: 60.607 ng
RT: 8.663 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 99502

Ion	Ratio	Lower	Upper
113	100		
55	184.3	162.8	202.8
56	138.6	118.1	158.1

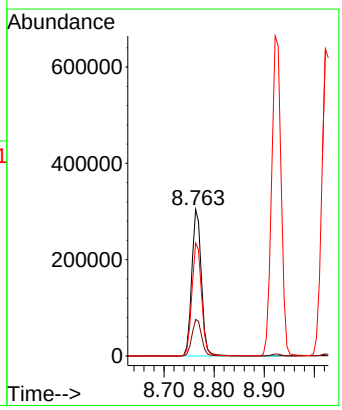


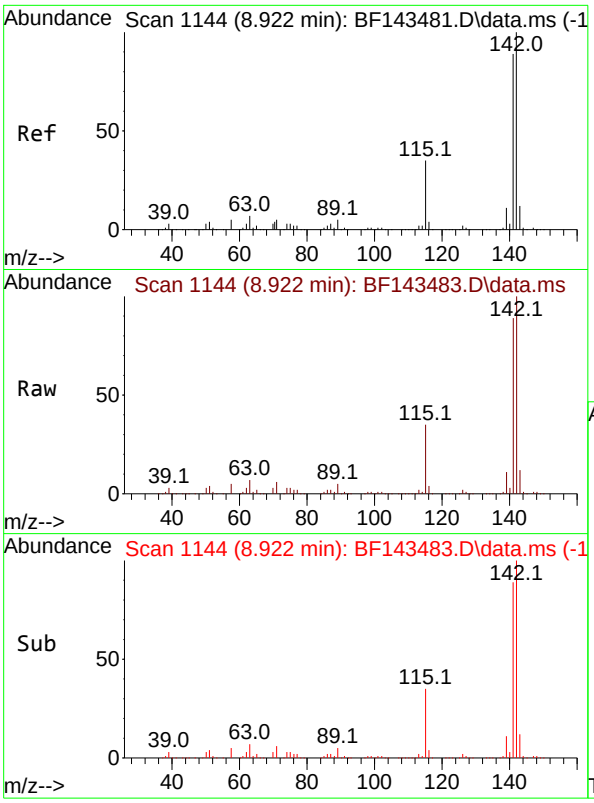


#36
4-Chloro-3-methylphenol
Concen: 59.020 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:107 Resp: 404673

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	77.1	61.8	92.8



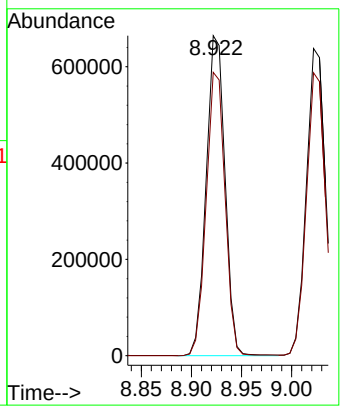


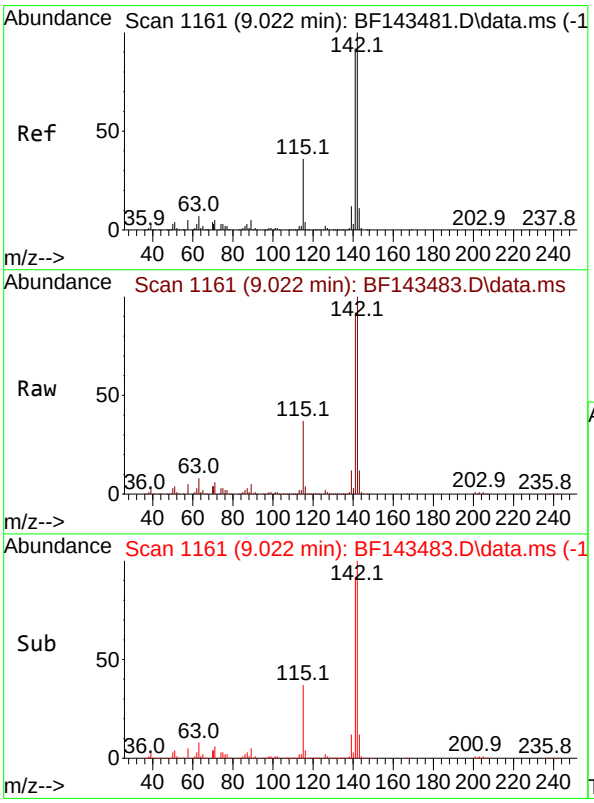
#37
2-Methylnaphthalene
Concen: 57.034 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 869902

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.4

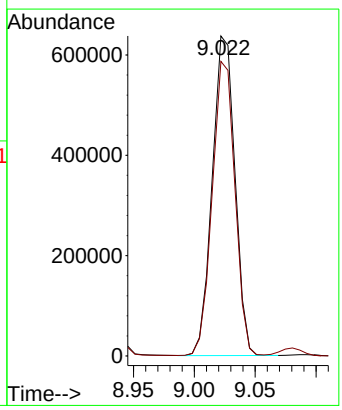


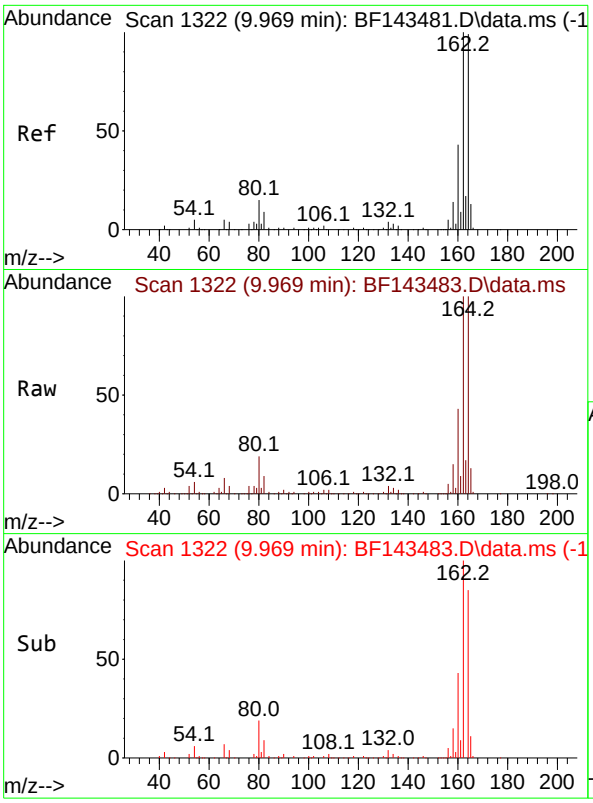


#38
1-Methylnaphthalene
Concen: 56.776 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:142 Resp: 828346

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.3	109.9



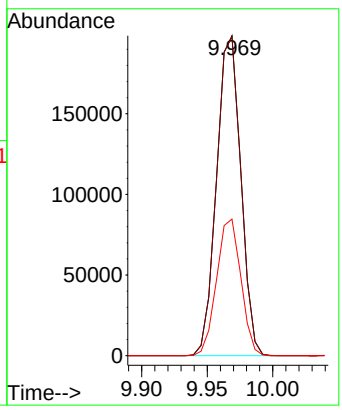


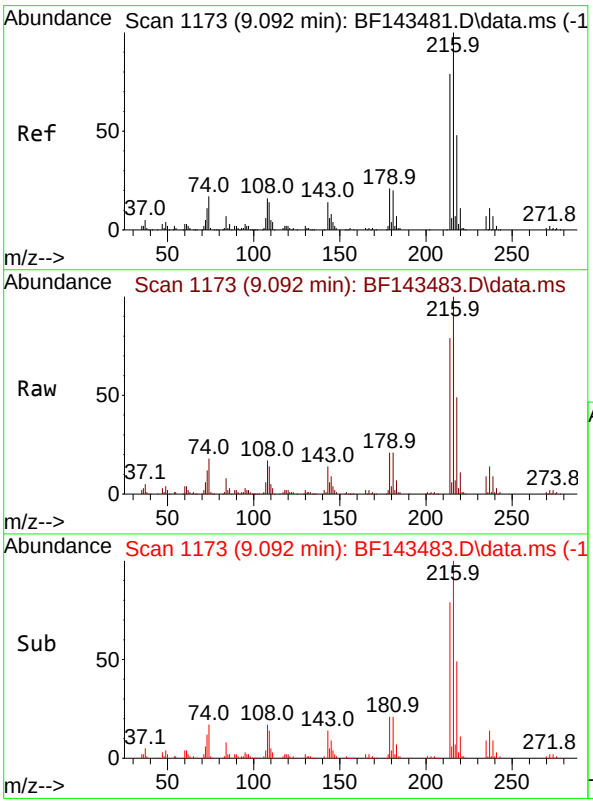
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 254778

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.5	120.7
160	42.7	34.3	51.5

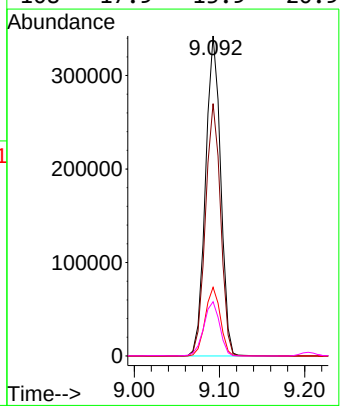


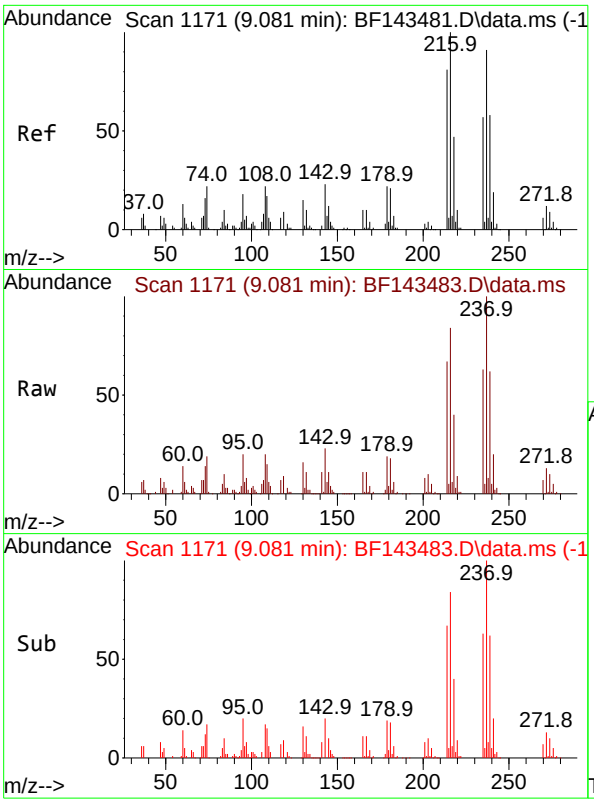


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.894 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:216 Resp: 421909

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.4	95.0
179	21.3	16.5	24.7
108	17.9	13.9	20.9



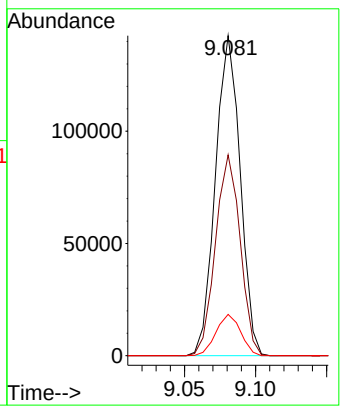


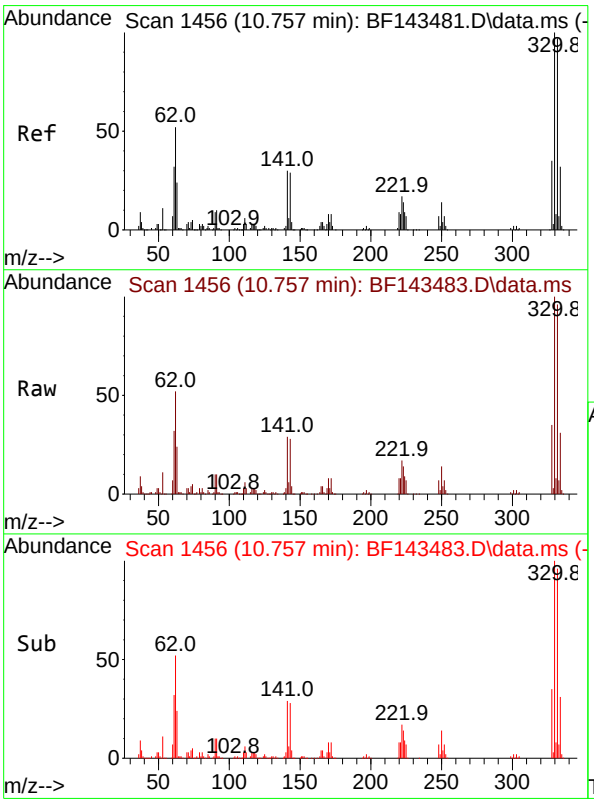
#41
Hexachlorocyclopentadiene
Concen: 62.497 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 172625

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.6	82.6
272	12.9	0.0	33.4

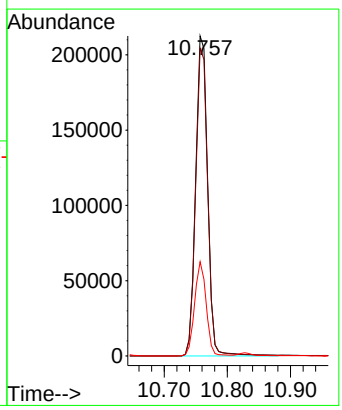


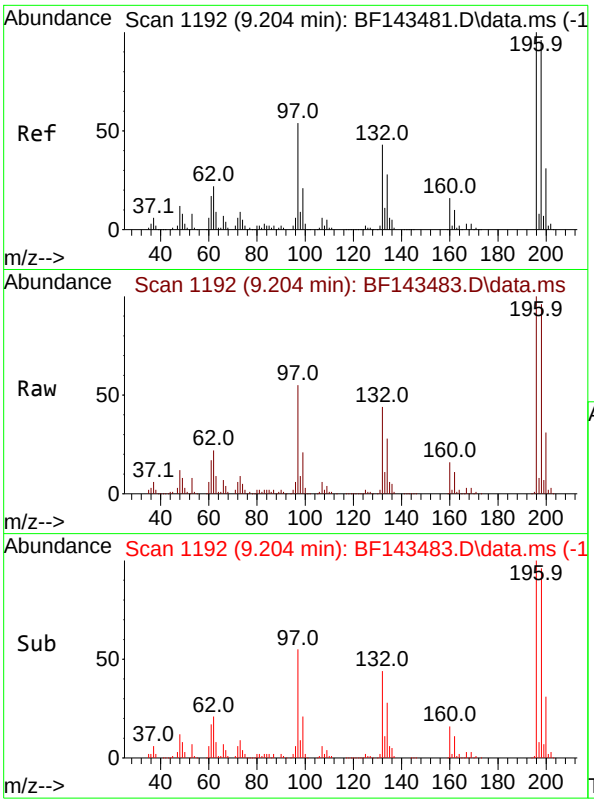


#42
2,4,6-Tribromophenol
Concen: 118.410 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:330 Resp: 280822

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	28.5	23.7	35.5



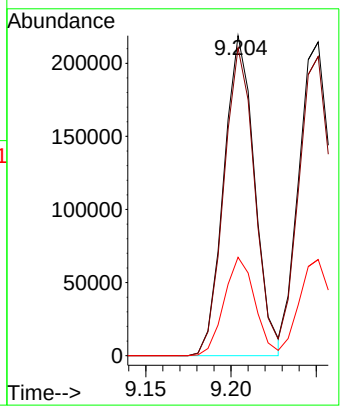


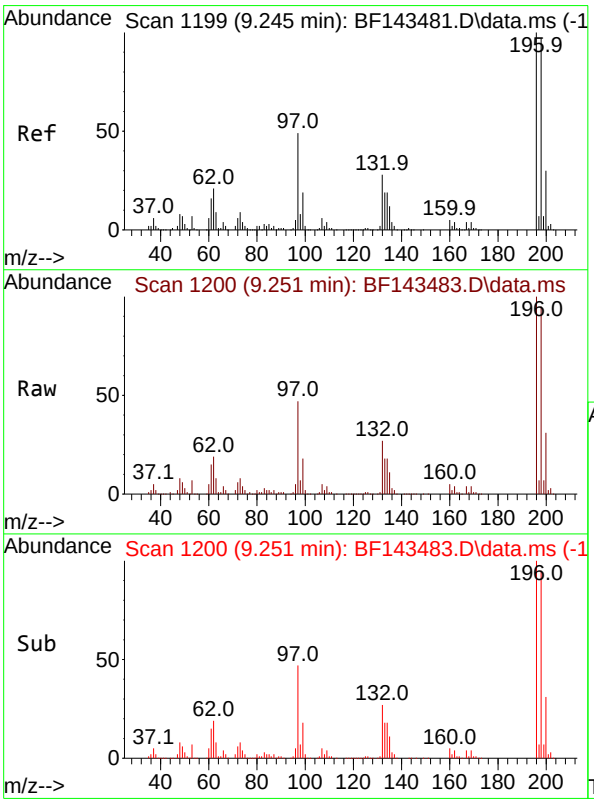
#43
2,4,6-Trichlorophenol
Concen: 61.437 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 275502

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.0	115.4
200	30.7	24.6	37.0

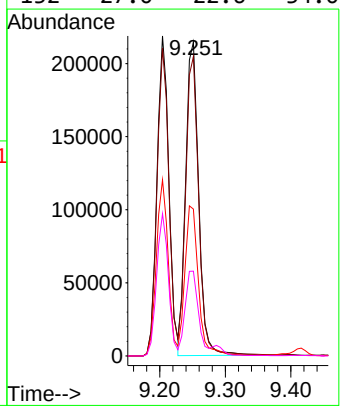


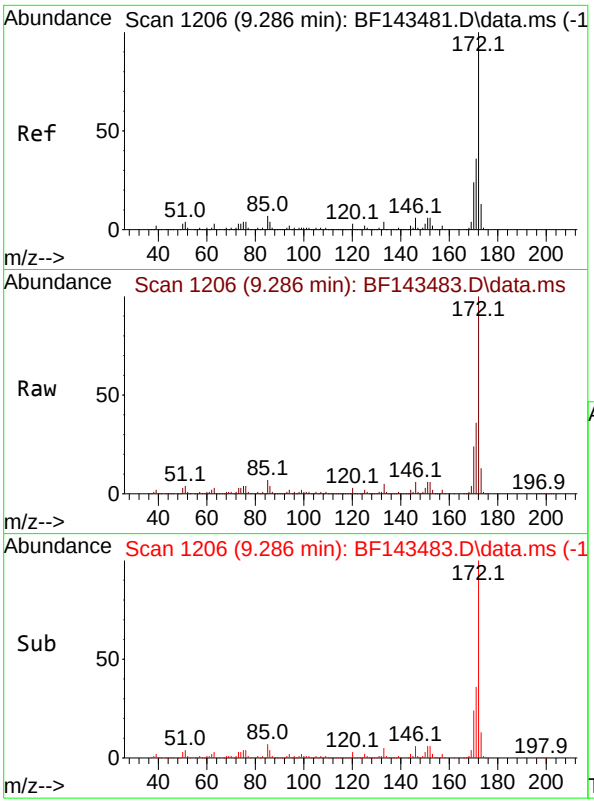


#44
2,4,5-Trichlorophenol
Concen: 60.345 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:196 Resp: 295585

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	46.8	40.0	60.0
132	27.0	22.6	34.0



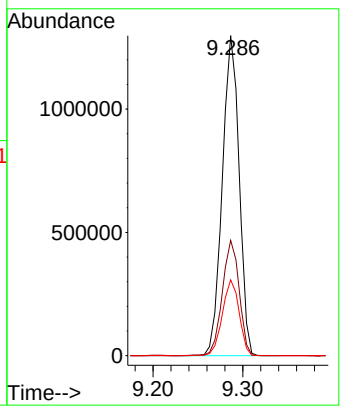


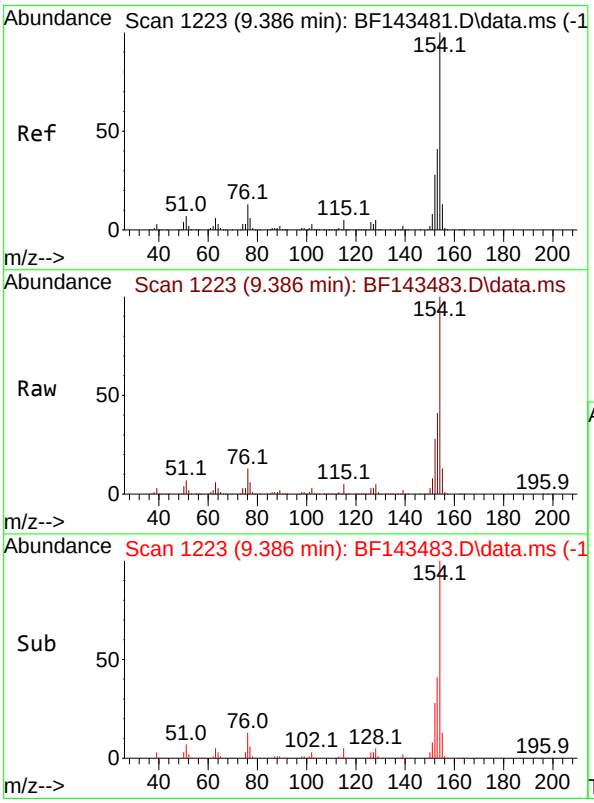
#45
2-Fluorobiphenyl
Concen: 109.642 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1690255

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.7	18.8	28.2

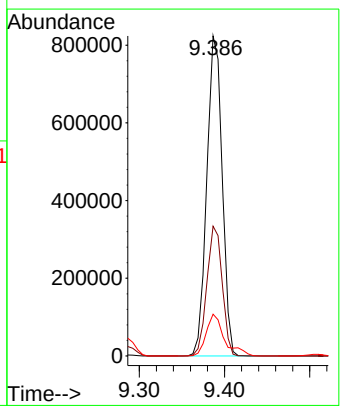


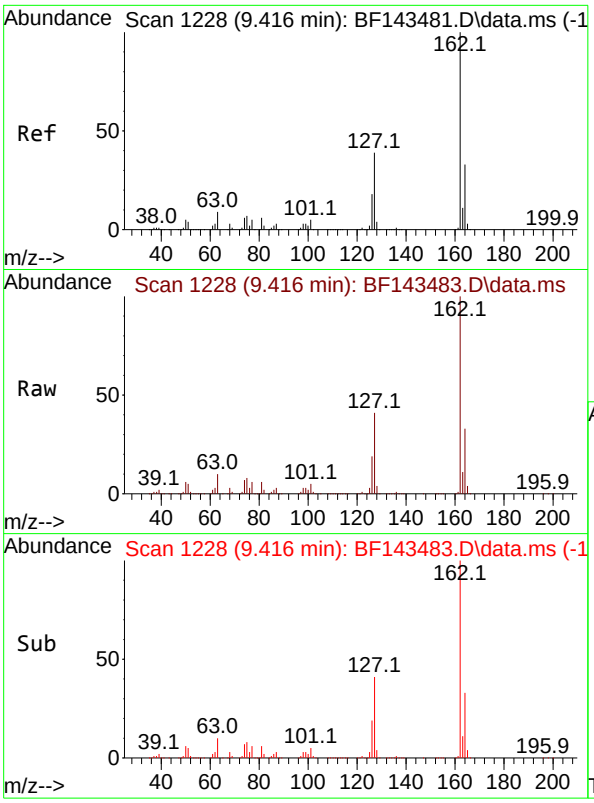


#46
1,1'-Biphenyl
Concen: 57.031 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:154 Resp: 1031320

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.1	0.0	33.0



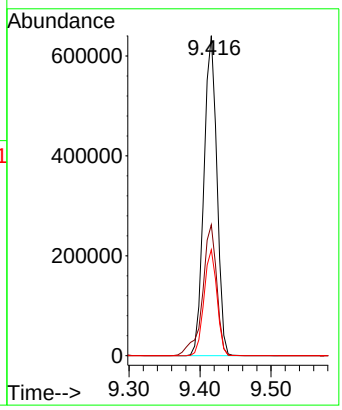


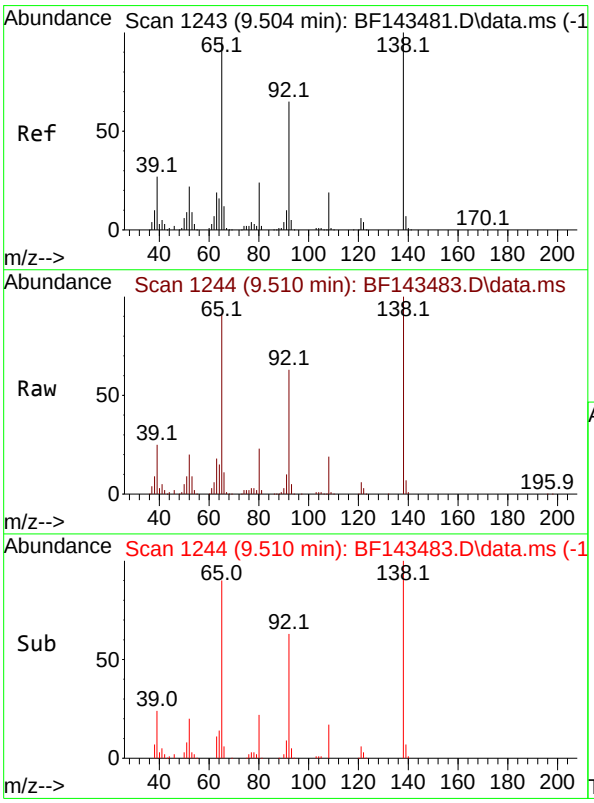
#47
2-Chloronaphthalene
Concen: 57.544 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 816474

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.8	47.6
164	33.1	26.4	39.6

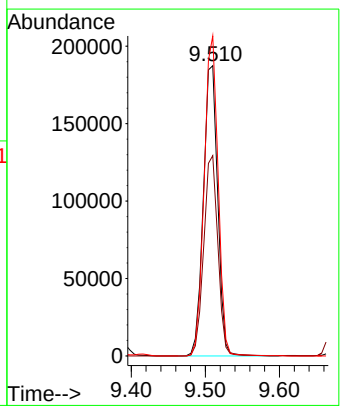


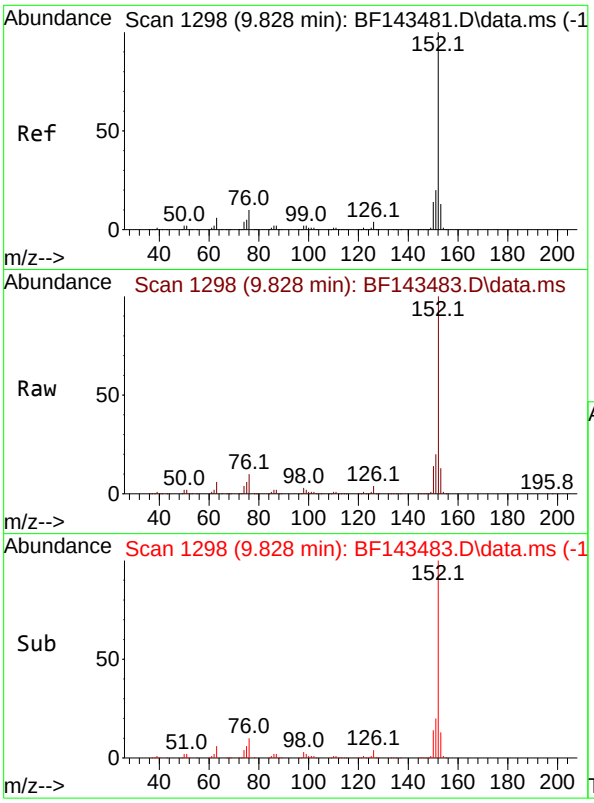


#48
2-Nitroaniline
Concen: 60.835 ng
RT: 9.510 min Scan# 1244
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion: 65 Resp: 252618

Ion	Ratio	Lower	Upper
65	100		
92	69.1	53.8	80.6
138	110.3	82.4	123.6



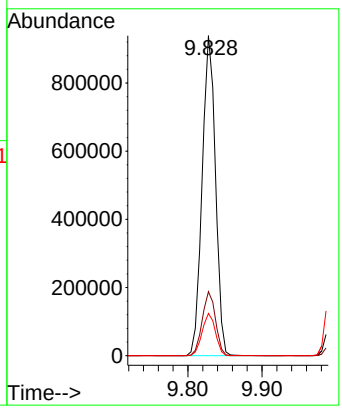


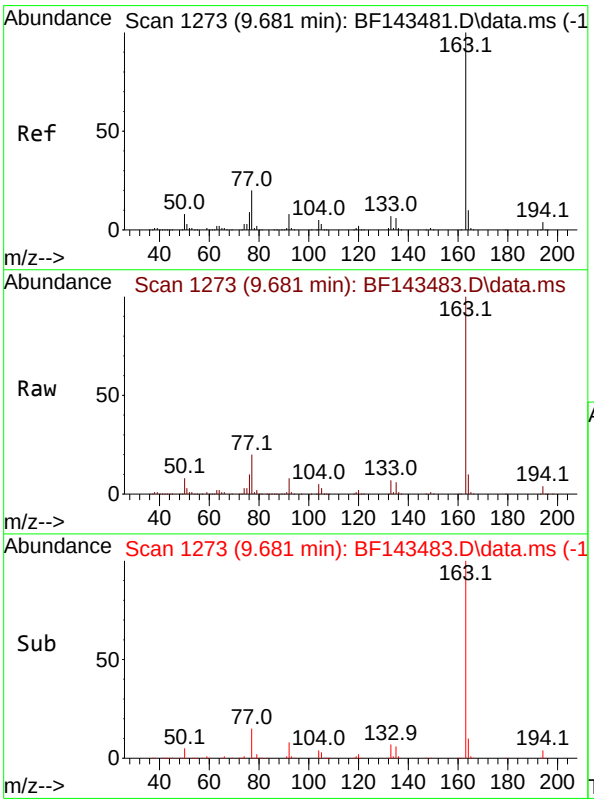
#49
Acenaphthylene
Concen: 57.687 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1171986

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	13.2	10.6	15.8

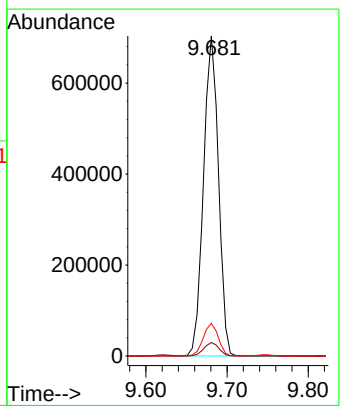


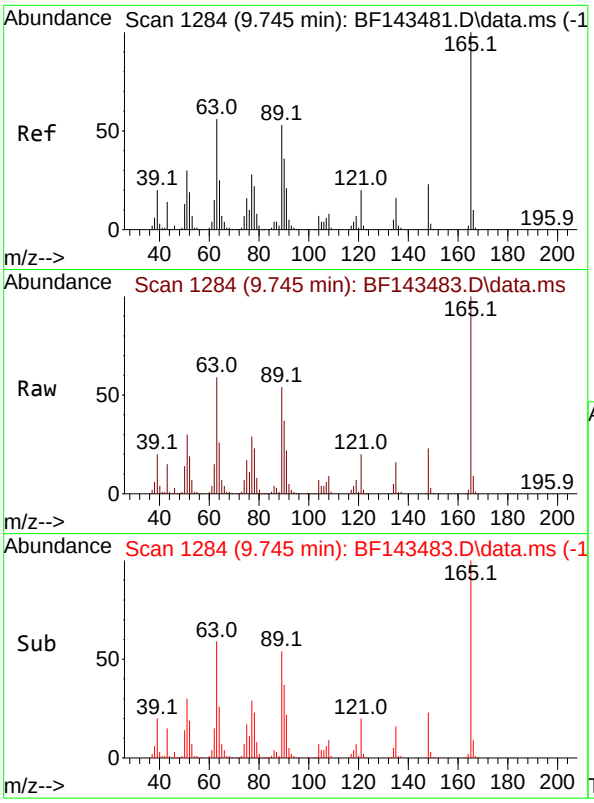


#50
Dimethylphthalate
Concen: 58.546 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:163 Resp: 898362

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2



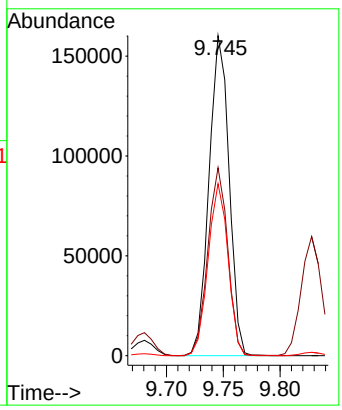


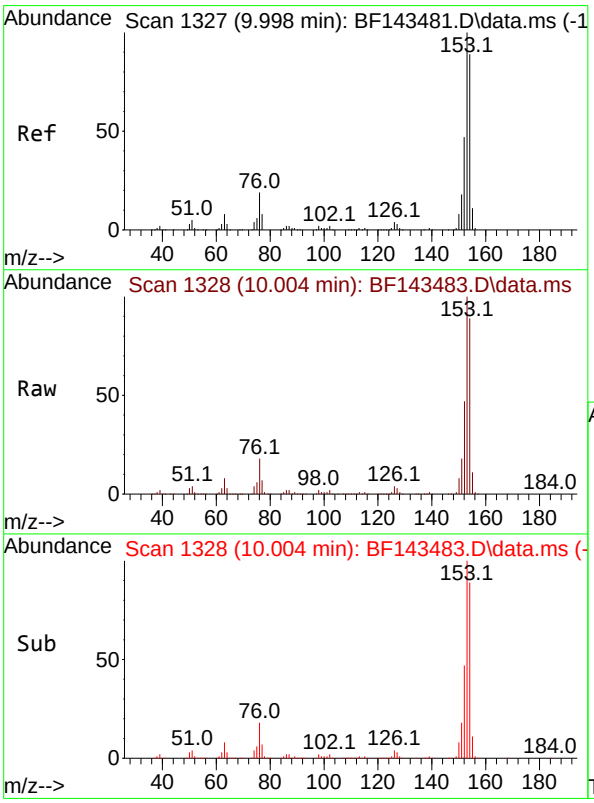
#51
2,6-Dinitrotoluene
Concen: 61.849 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 196694

Ion	Ratio	Lower	Upper
165	100		
63	58.8	45.0	67.6
89	53.7	42.5	63.7

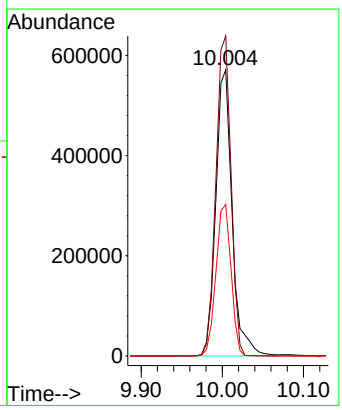


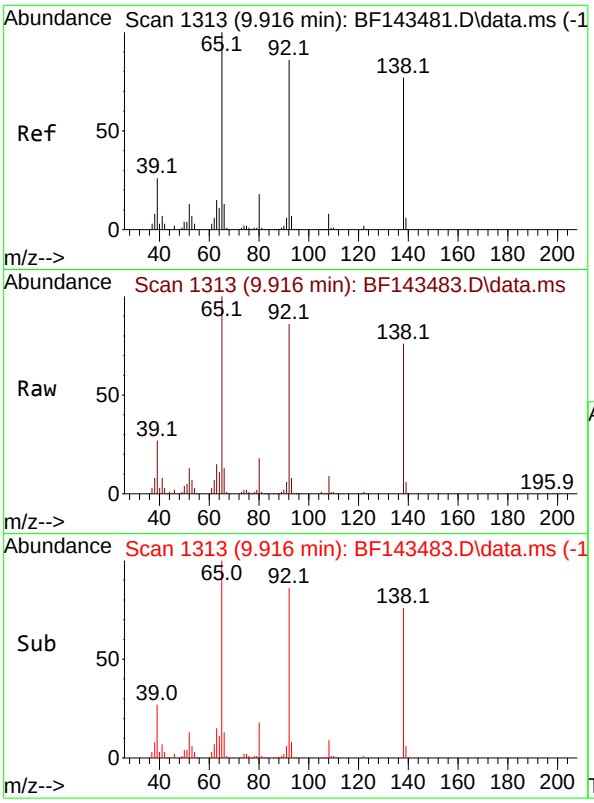


#52
Acenaphthene
Concen: 57.868 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:154 Resp: 798226

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.5	134.3
152	53.0	42.5	63.7



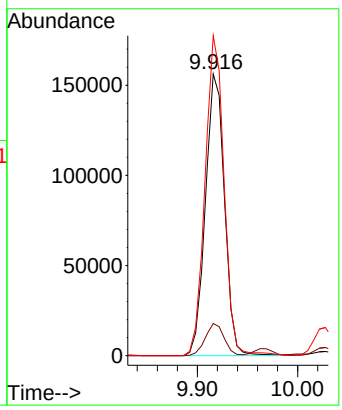


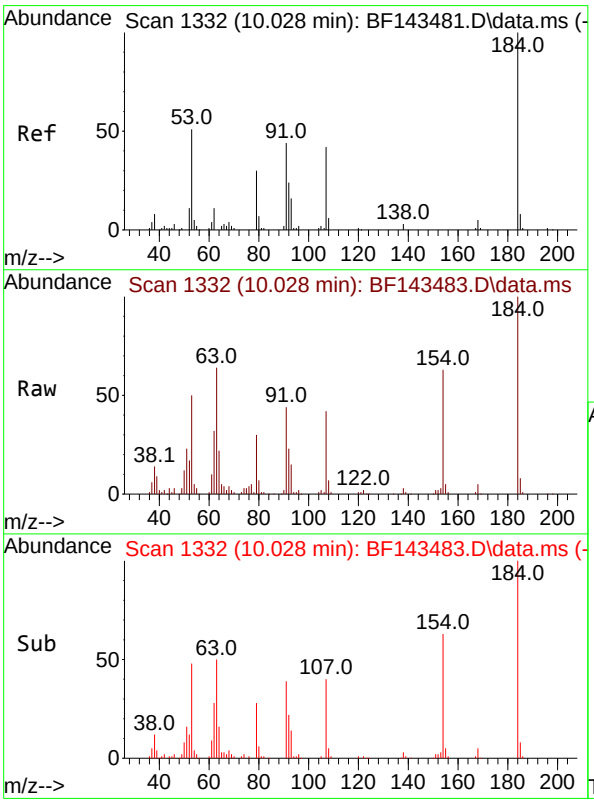
#53
3-Nitroaniline
Concen: 60.257 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 207068

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.6	13.0
92	113.6	89.8	134.8

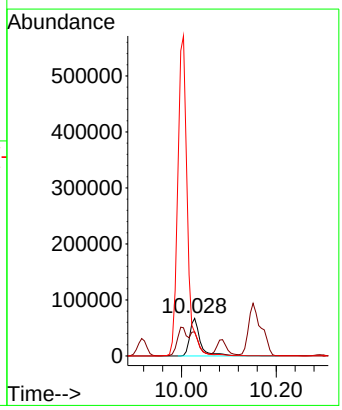


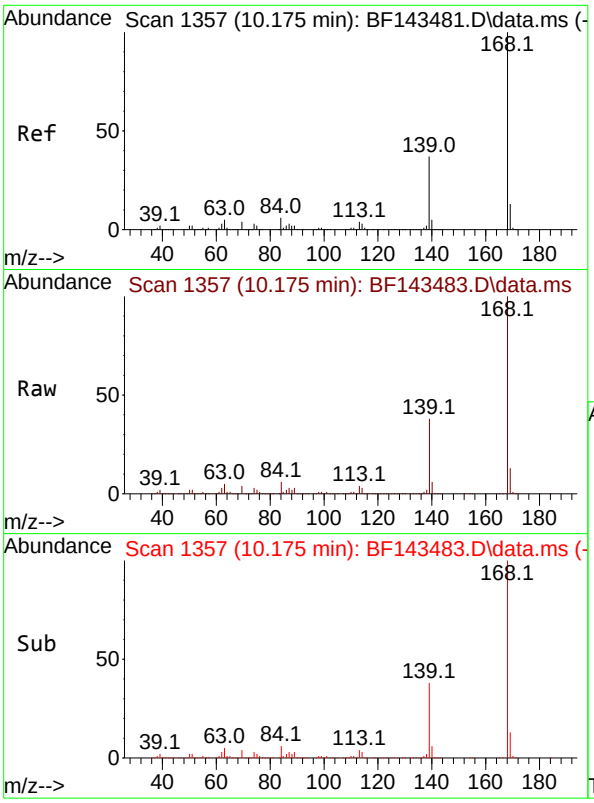


#54
2,4-Dinitrophenol
Concen: 62.986 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:184 Resp: 105073

Ion	Ratio	Lower	Upper
184	100		
63	64.1	52.6	78.8
154	62.6	51.0	76.4



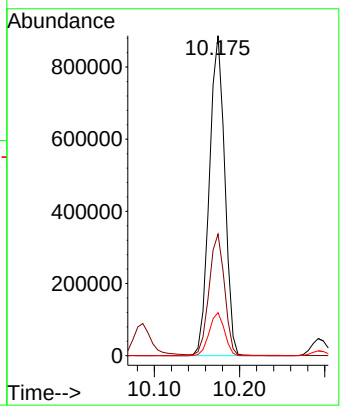


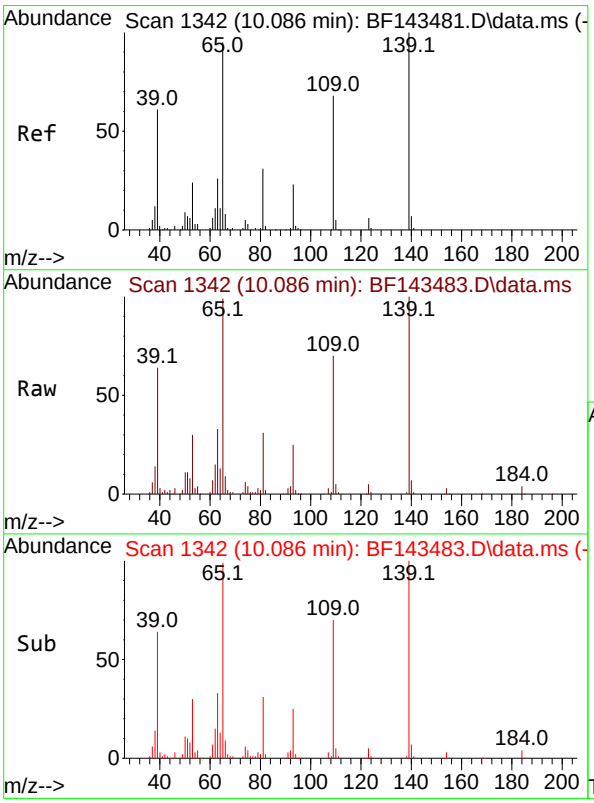
#55
Dibenzofuran
Concen: 56.463 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1110414

Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.8	44.6
169	13.4	10.8	16.2

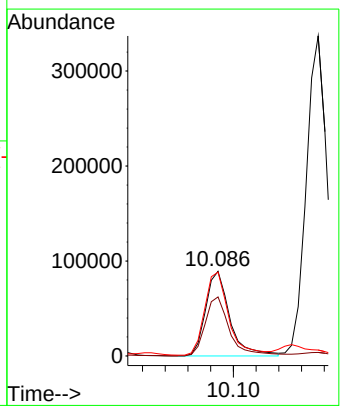


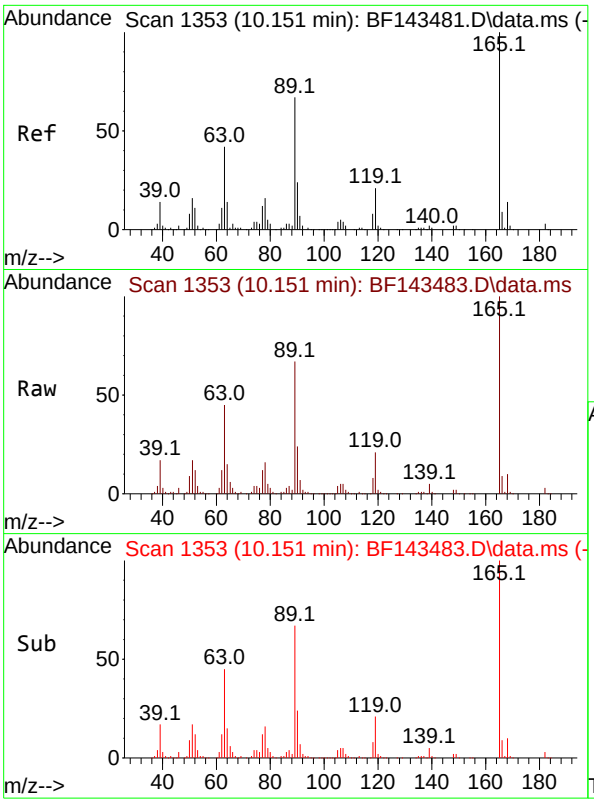


#56
4-Nitrophenol
Concen: 64.242 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:139 Resp: 131356

Ion	Ratio	Lower	Upper
139	100		
109	69.7	48.2	88.2
65	99.0	75.8	115.8



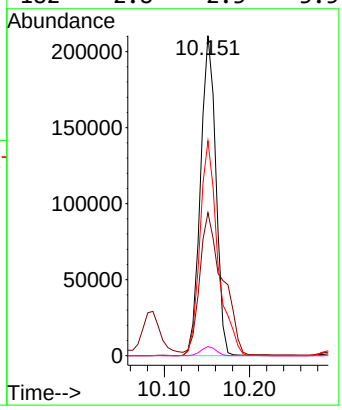


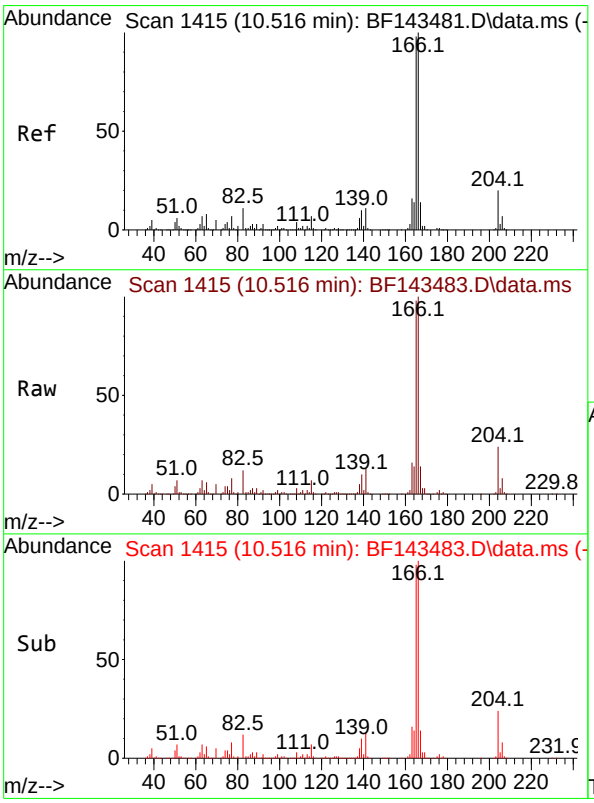
#57
2,4-Dinitrotoluene
Concen: 61.935 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 263001

Ion	Ratio	Lower	Upper
165	100		
63	44.7	34.9	52.3
89	67.1	53.3	79.9
182	2.8	2.3	3.5

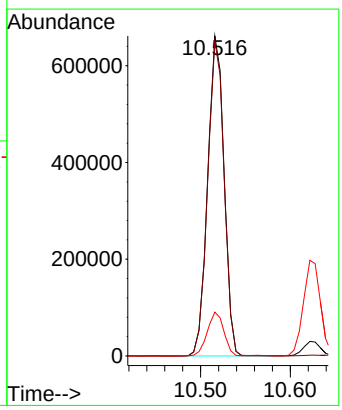


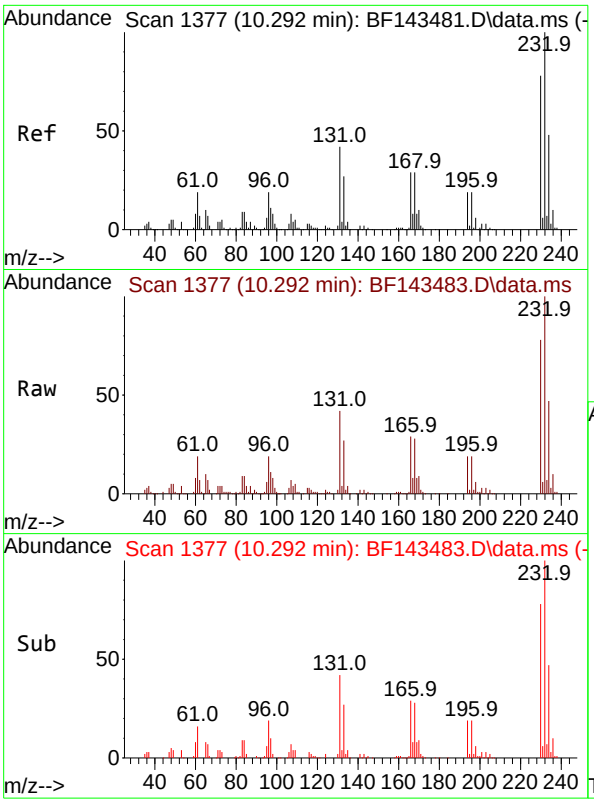


#58
Fluorene
Concen: 55.641 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:166 Resp: 842185

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.3	117.5
167	13.7	11.0	16.4



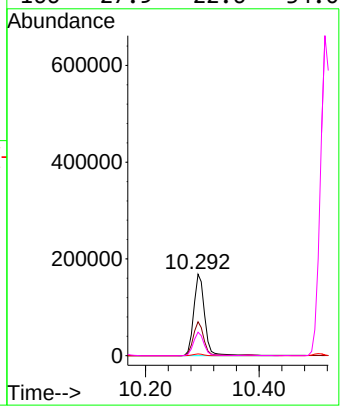


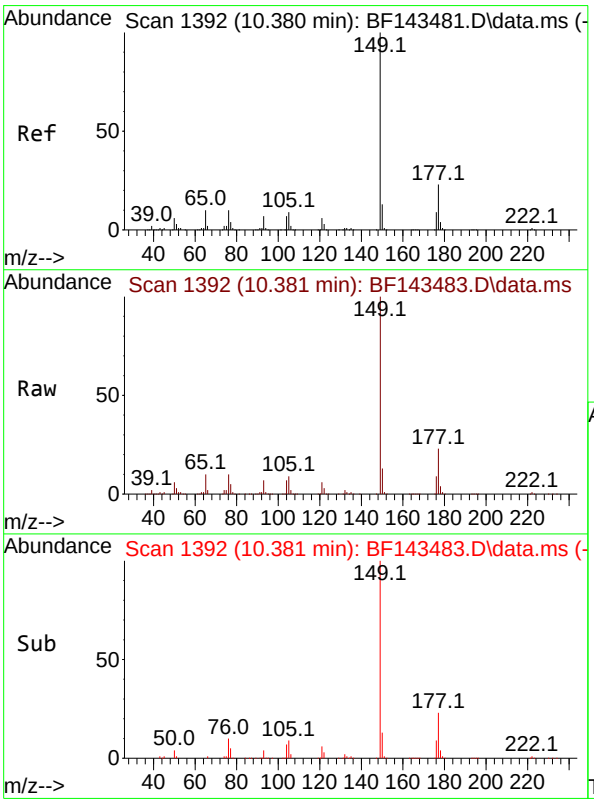
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.306 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 226735

Ion	Ratio	Lower	Upper
232	100		
131	40.1	32.7	49.1
130	2.0	1.6	2.4
166	27.9	22.6	34.0

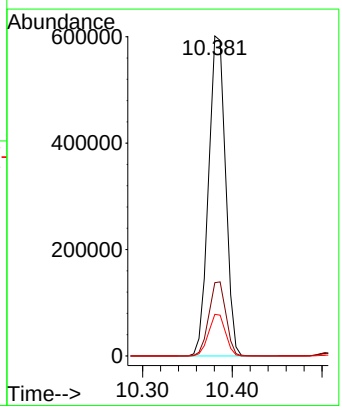


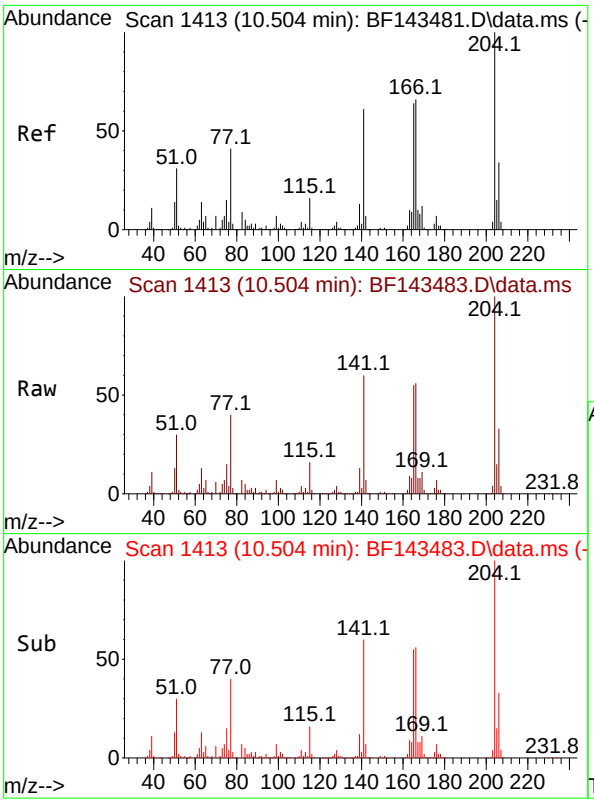


#60
Diethylphthalate
Concen: 57.538 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 791582

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	13.0	10.3	15.5



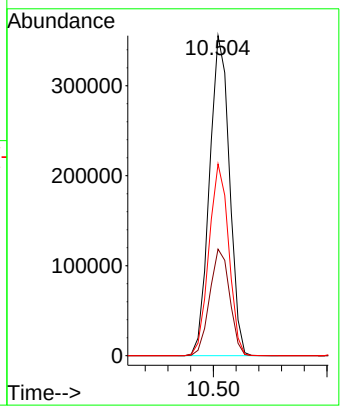


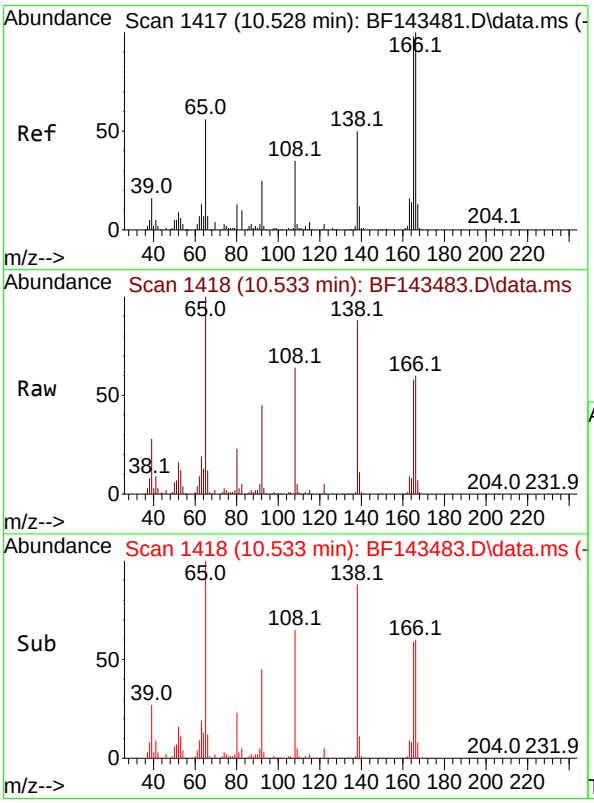
#61
4-Chlorophenyl-phenylether
Concen: 57.247 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 433351

Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.0	40.4
141	59.9	48.7	73.1

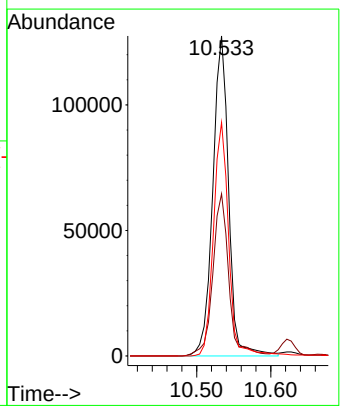


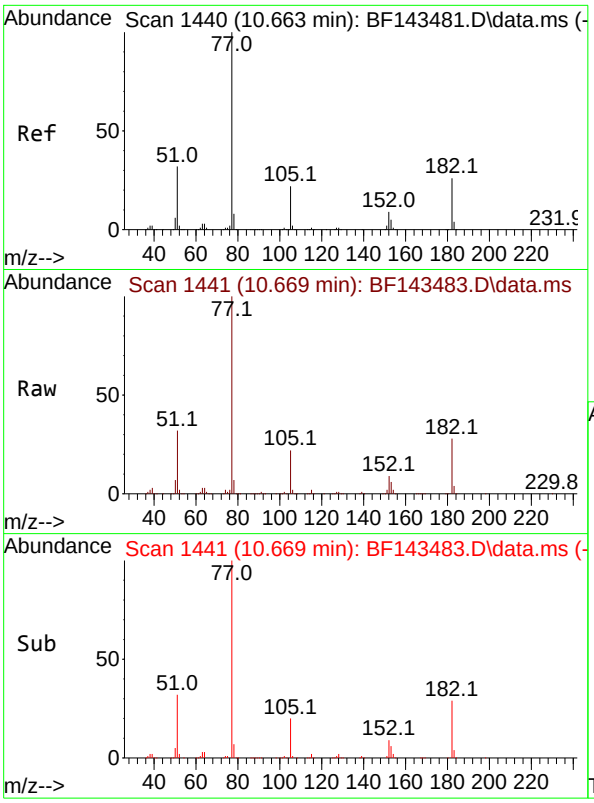


#62
4-Nitroaniline
Concen: 60.015 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:138 Resp: 189435

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.3	69.3
108	73.0	50.7	90.7



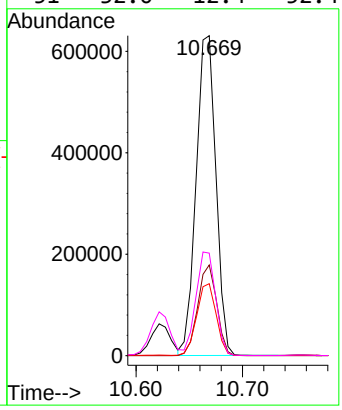


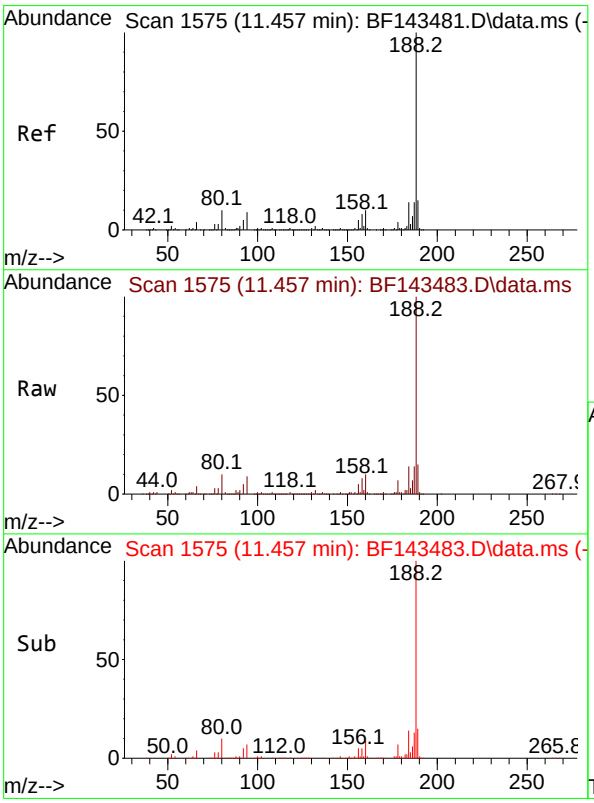
#63
Azobenzene
Concen: 57.158 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 815353

Ion	Ratio	Lower	Upper
77	100		
182	28.4	6.2	46.2
105	22.5	2.2	42.2
51	32.0	12.4	52.4

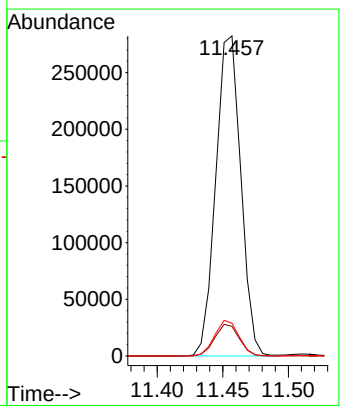


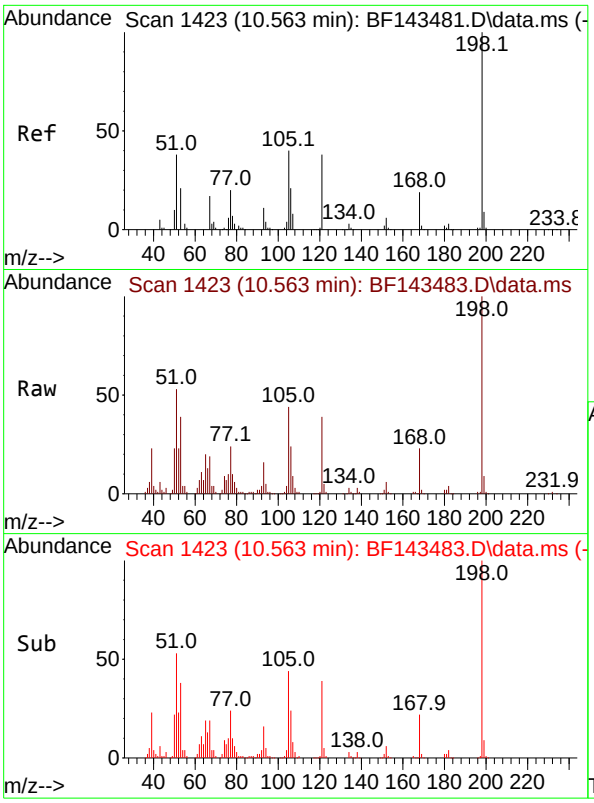


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:188 Resp: 374631

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.2	8.2	12.4



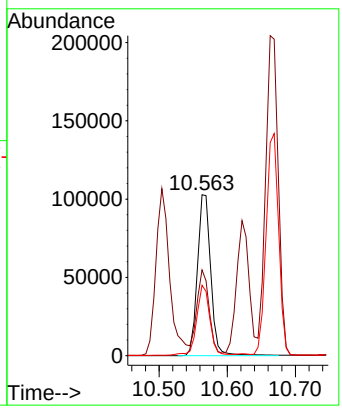


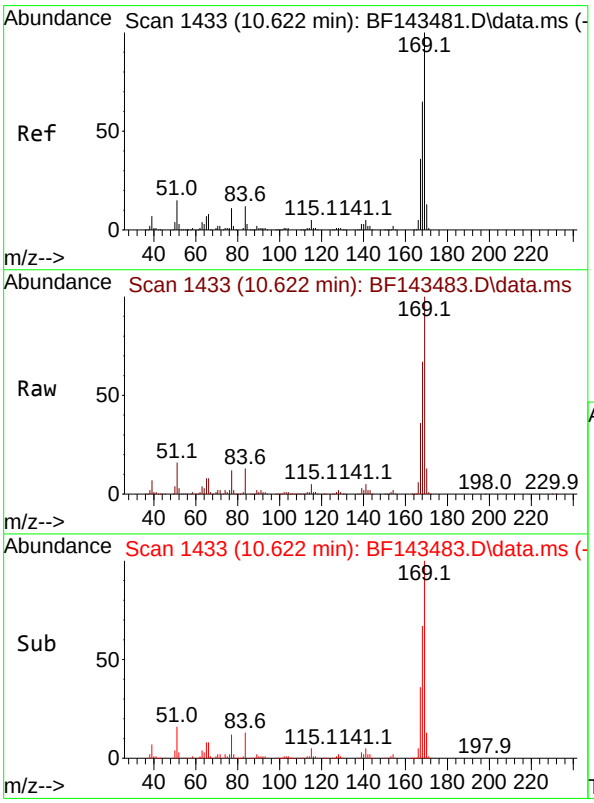
#65
4,6-Dinitro-2-methylphenol
Concen: 66.197 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 139830

Ion	Ratio	Lower	Upper
198	100		
51	53.3	29.6	69.6
105	43.7	21.5	61.5

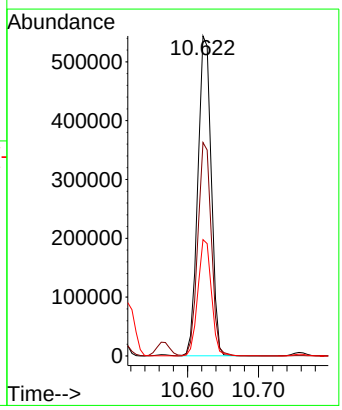


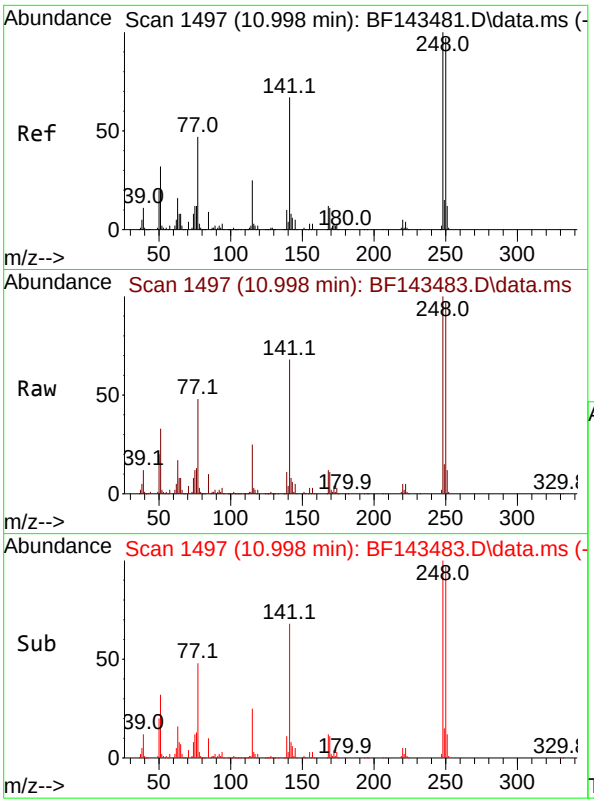


#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:169 Resp: 714577

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.4	78.6
167	36.4	28.9	43.3



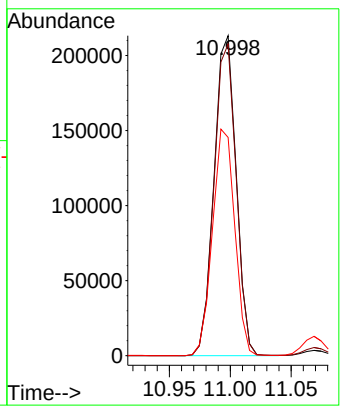


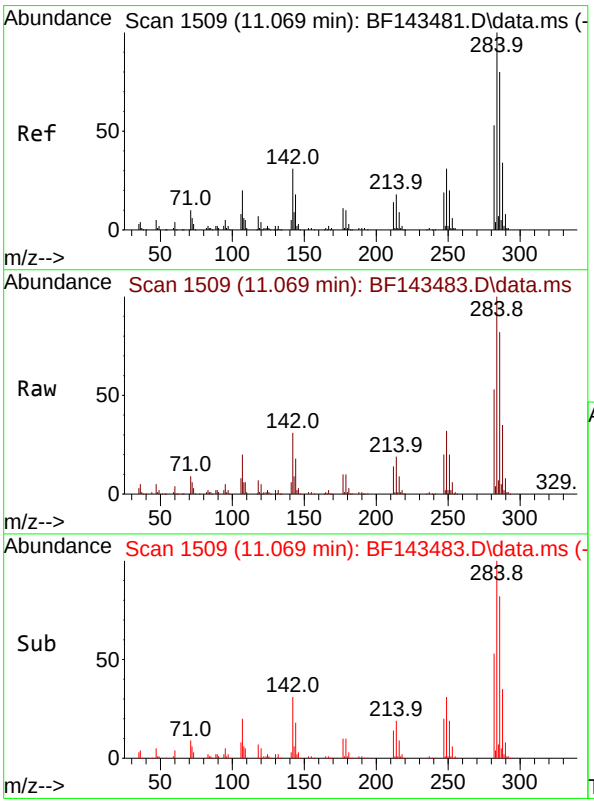
#67
4-Bromophenyl-phenylether
Concen: 60.454 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 270225

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.8	116.8
141	68.2	54.0	81.0

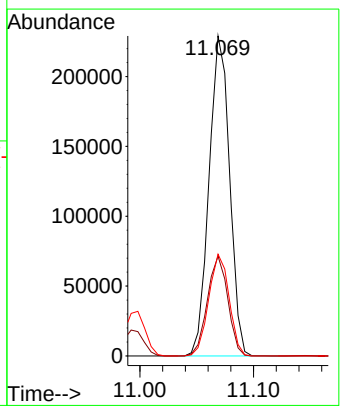


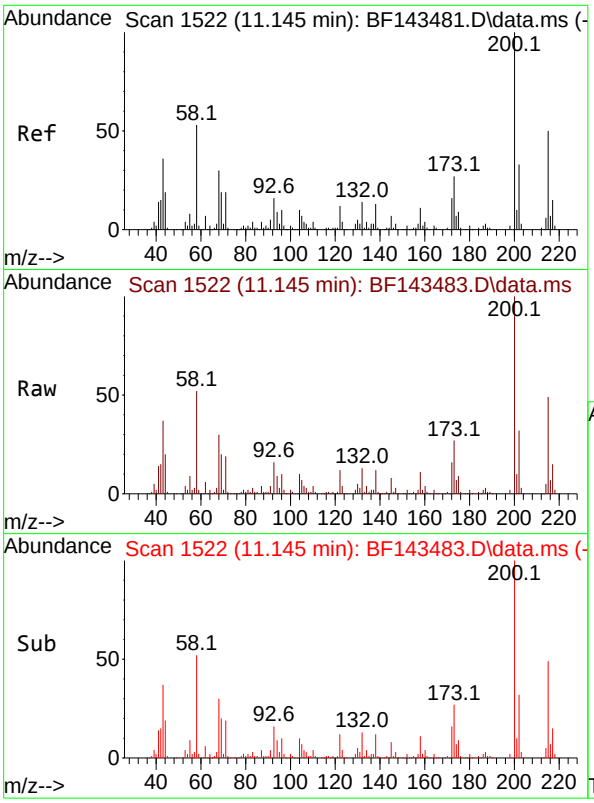


#68
Hexachlorobenzene
Concen: 59.797 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:284 Resp: 288119

Ion	Ratio	Lower	Upper
284	100		
142	31.2	24.4	36.6
249	31.8	25.0	37.6



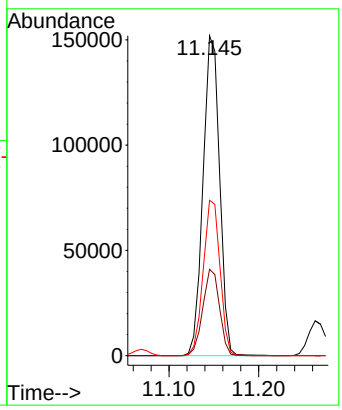


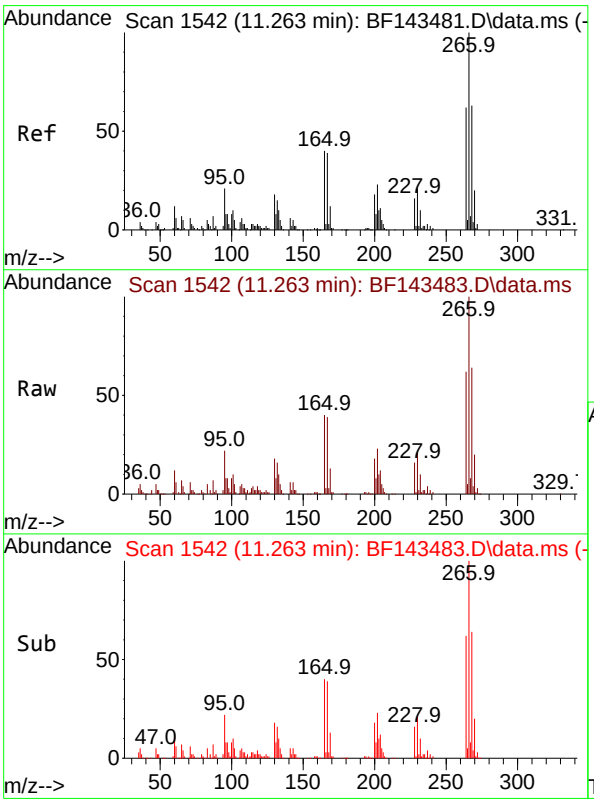
#69
Atrazine
Concen: 62.765 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 195334

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.9	46.9
215	48.5	30.0	70.0

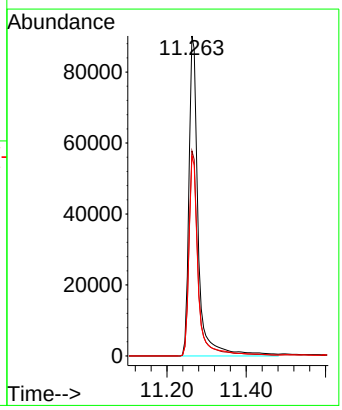


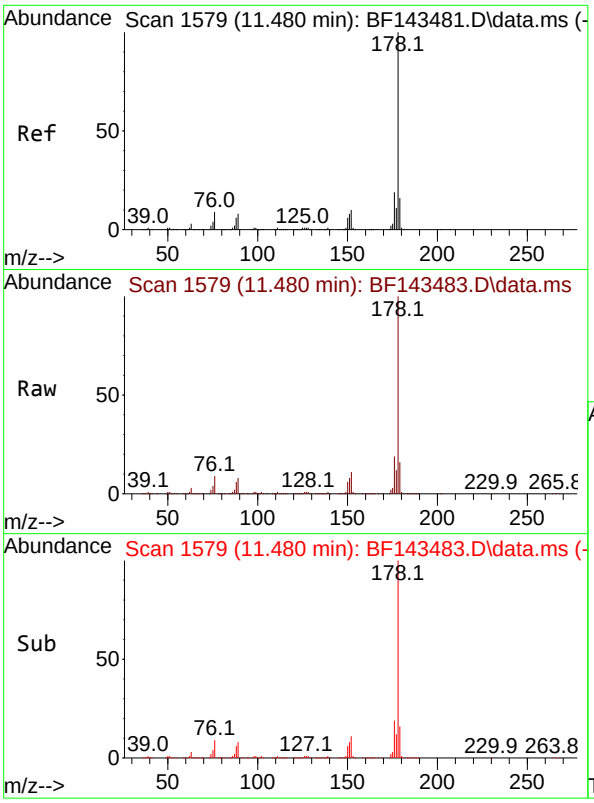


#70
Pentachlorophenol
Concen: 66.597 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:266 Resp: 146959

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	62.5	49.8	74.8



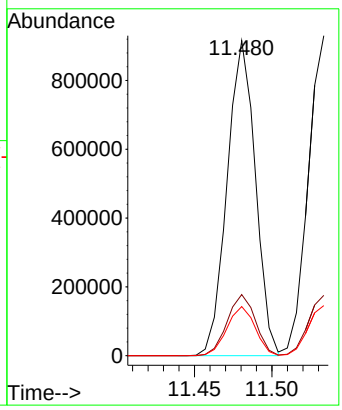


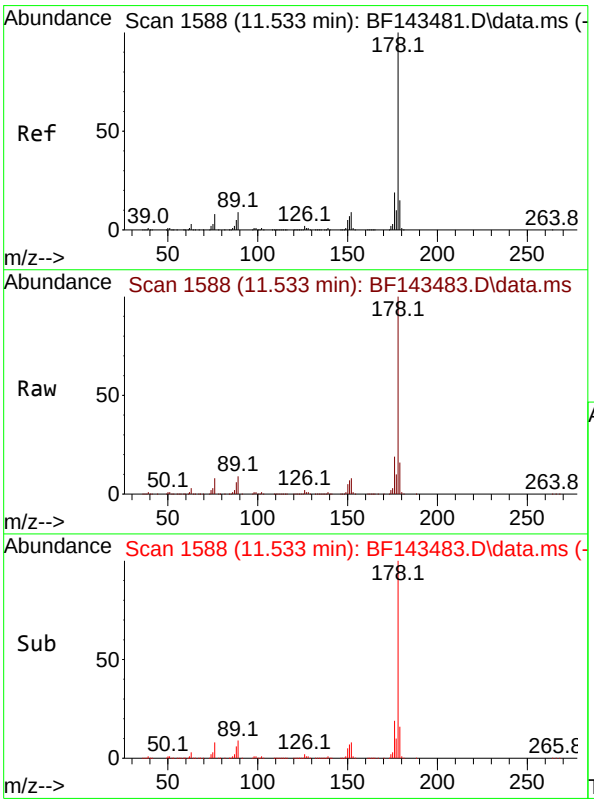
#71
Phenanthrene
Concen: 57.863 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1160860

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

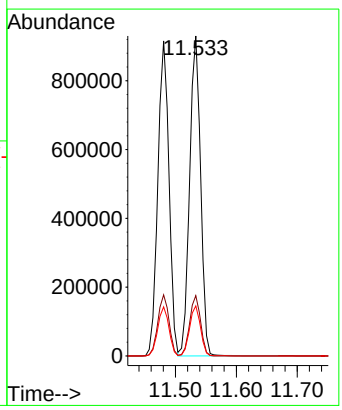


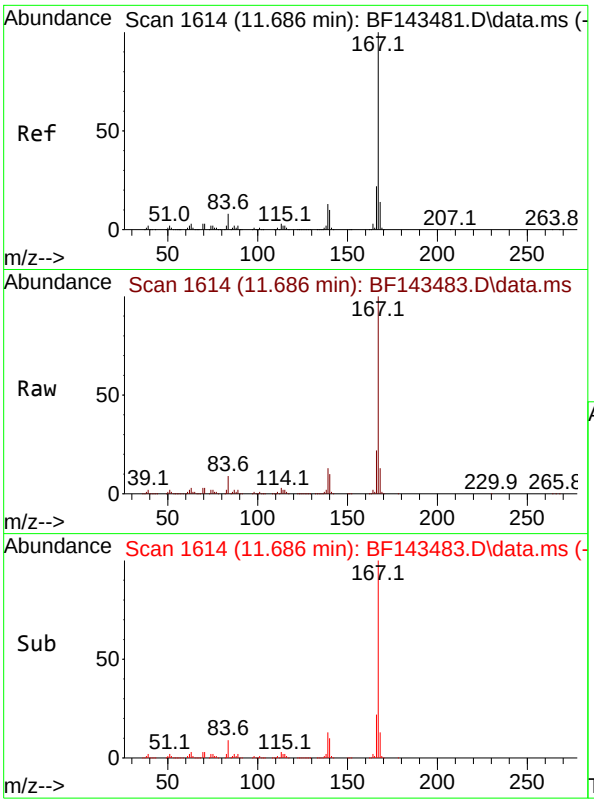


#72
Anthracene
Concen: 57.295 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:178 Resp: 1164449

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.7	12.3	18.5



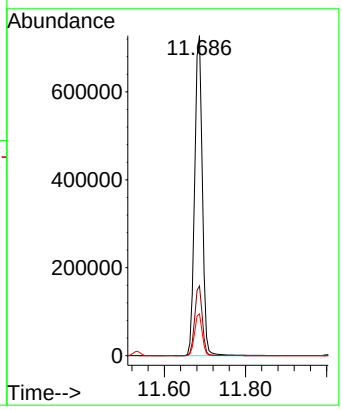


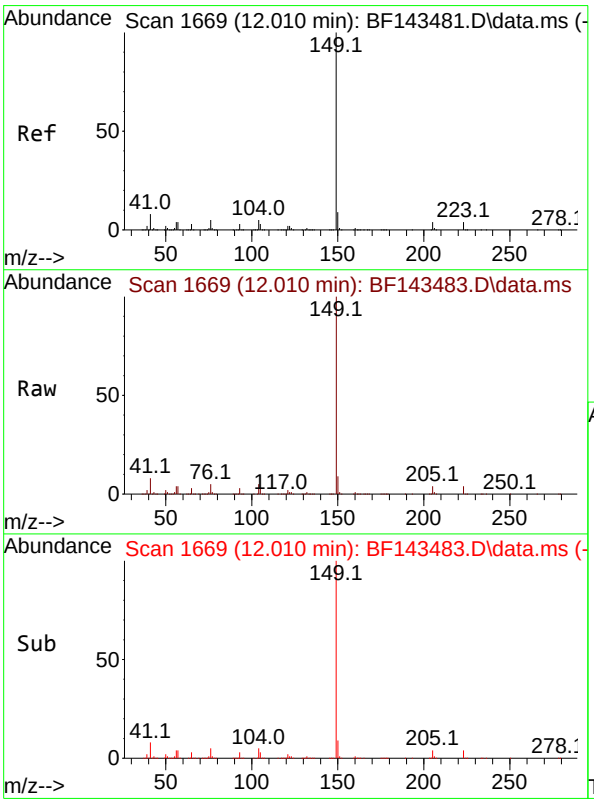
#73
Carbazole
Concen: 58.105 ng
RT: 11.686 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 967633

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.0	10.0	15.0

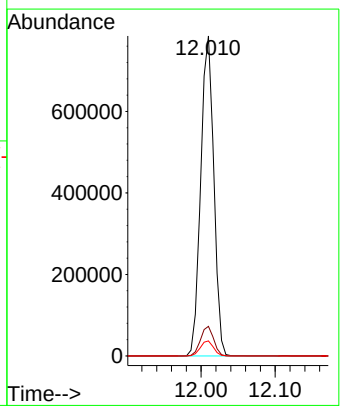


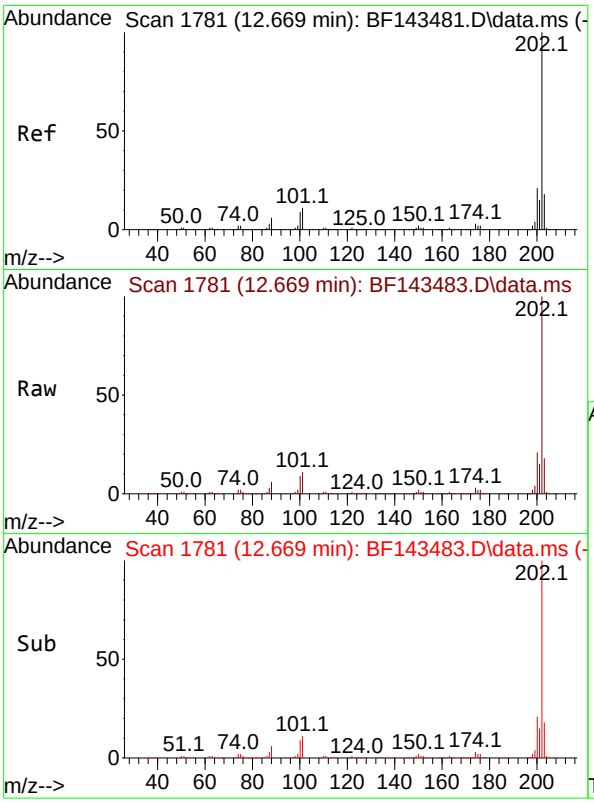


#74
Di-n-butylphthalate
Concen: 62.003 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 963249

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.7	3.6	5.4



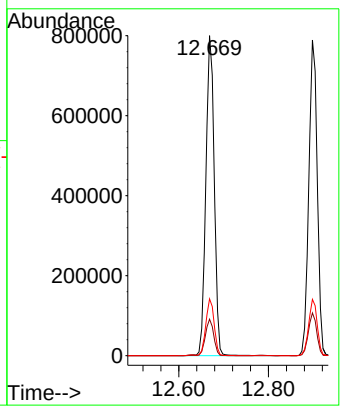


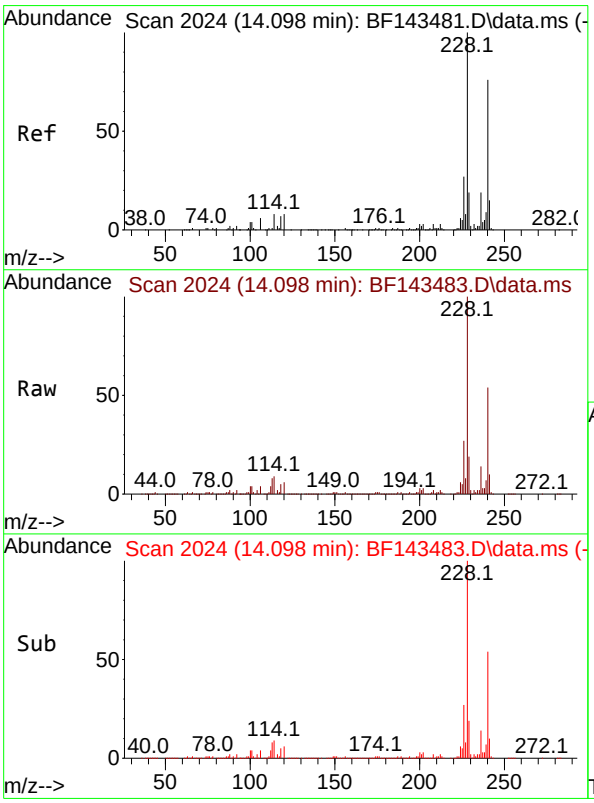
#75
Fluoranthene
Concen: 57.619 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1037239

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.3
203	17.7	0.0	37.9

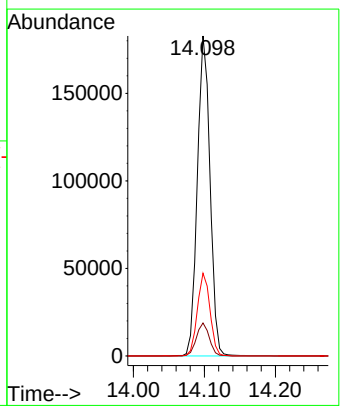


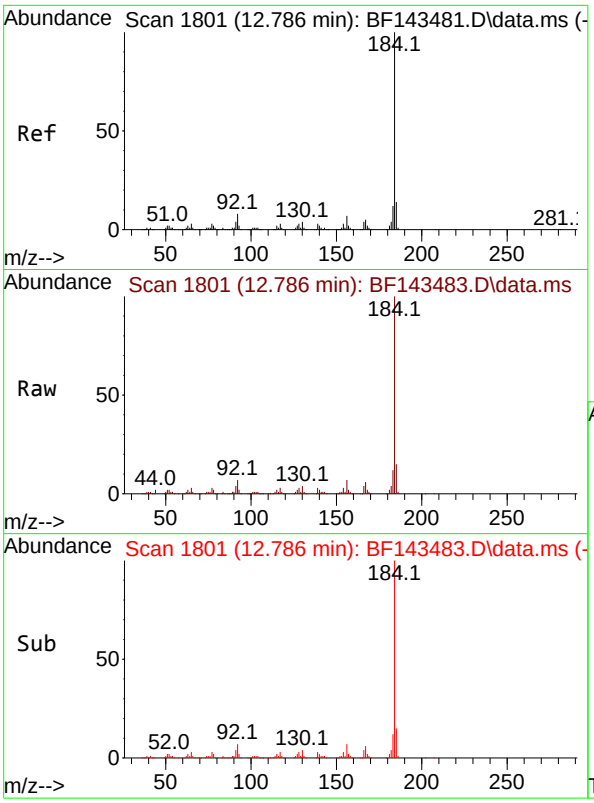


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:240 Resp: 227355

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	12.8
236	25.8	20.4	30.6



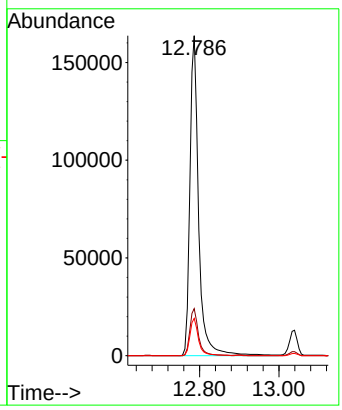


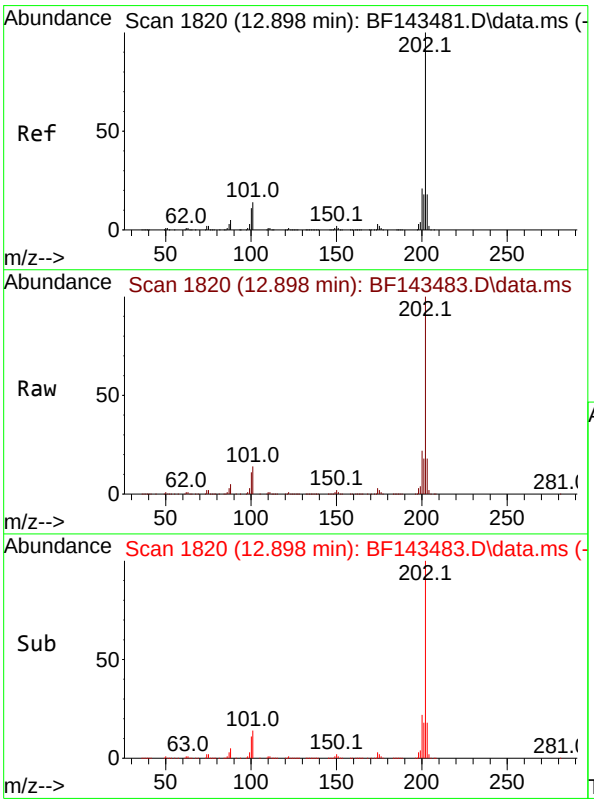
#77
Benzidine
Concen: 45.316 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 250962

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.3	16.9
183	11.6	9.5	14.3

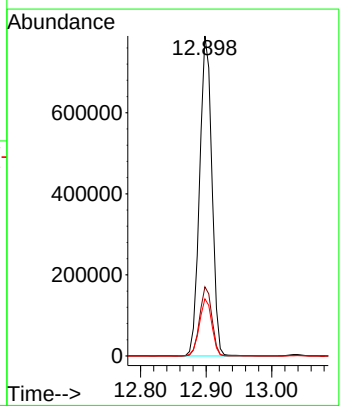


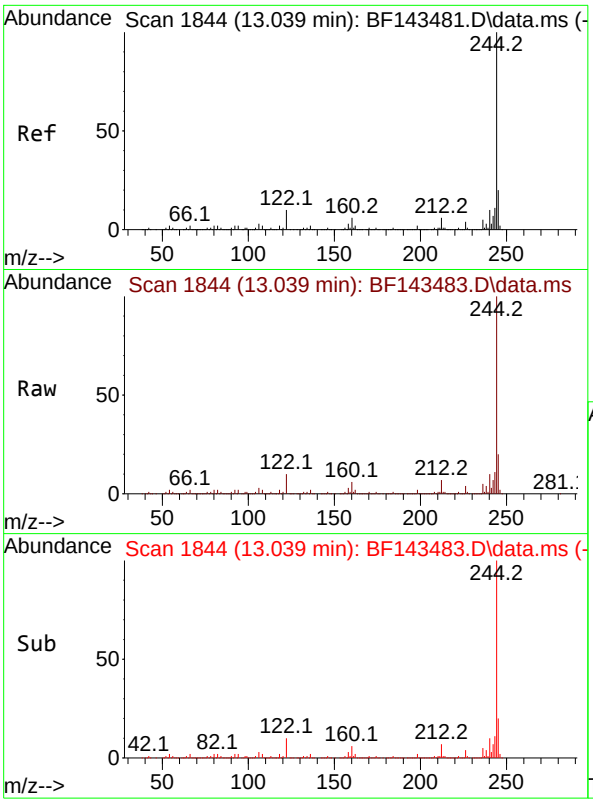


#78
Pyrene
Concen: 55.127 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:202 Resp: 1030970

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.8	14.3	21.5



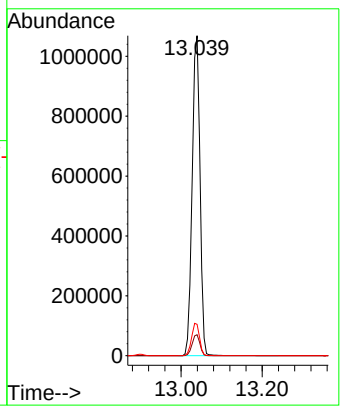


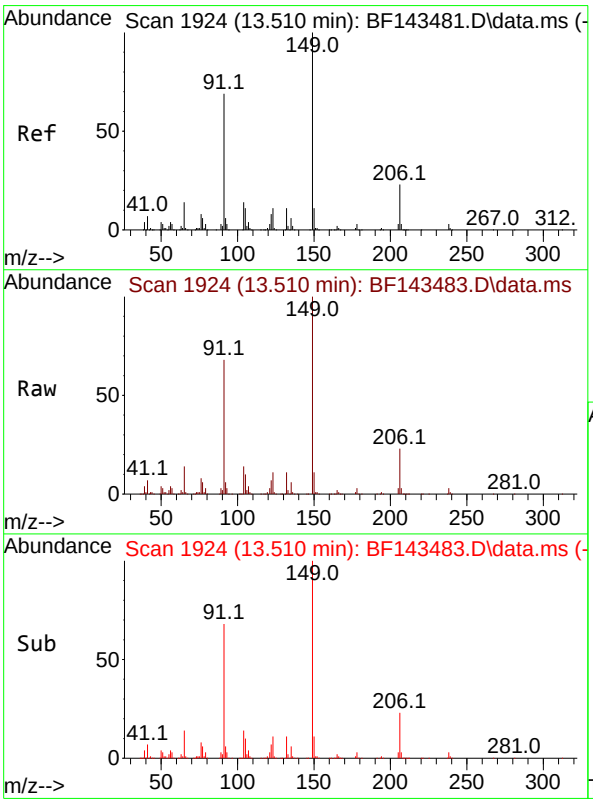
#79
Terphenyl-d14
Concen: 110.129 ng
RT: 13.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1434829

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.8	7.9	11.9

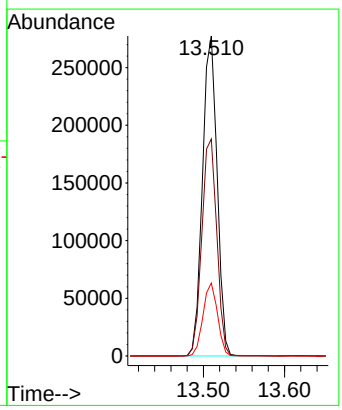


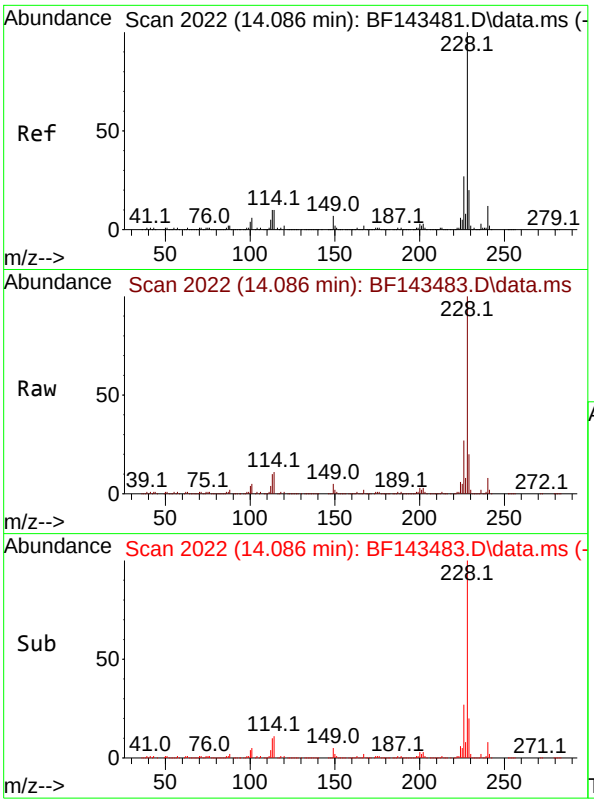


#80
Butylbenzylphthalate
Concen: 68.017 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 347496

Ion	Ratio	Lower	Upper
149	100		
91	67.8	55.3	82.9
206	22.8	18.2	27.4



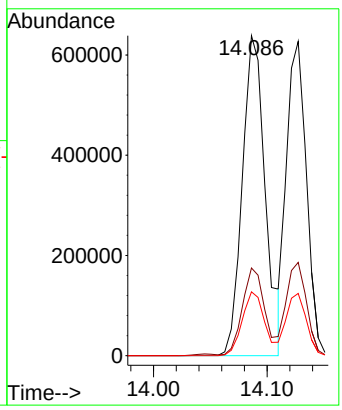


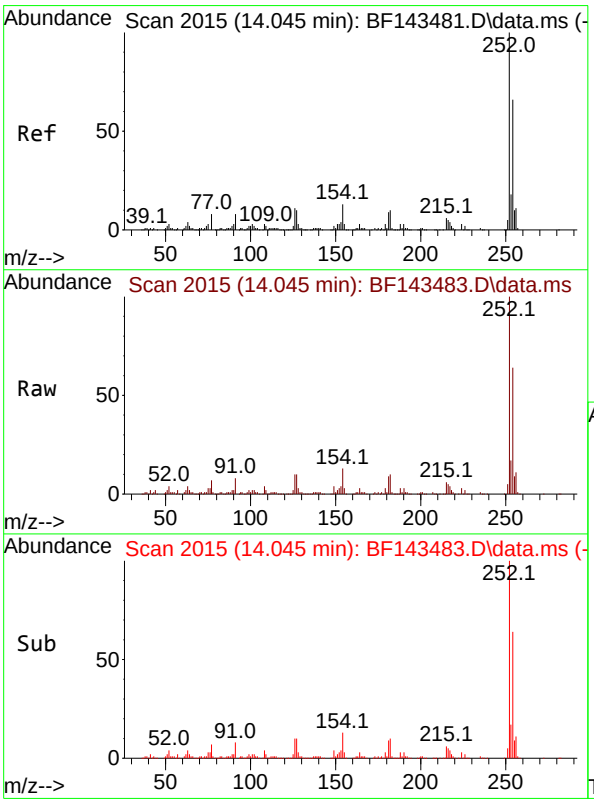
#81
Benzo(a)anthracene
Concen: 61.318 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 897535

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.0	15.7	23.5

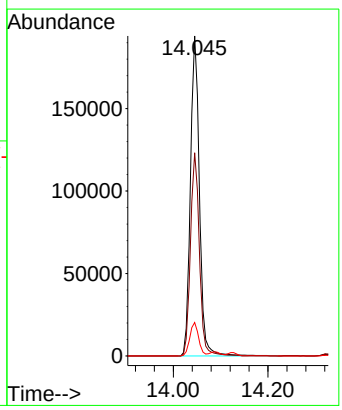


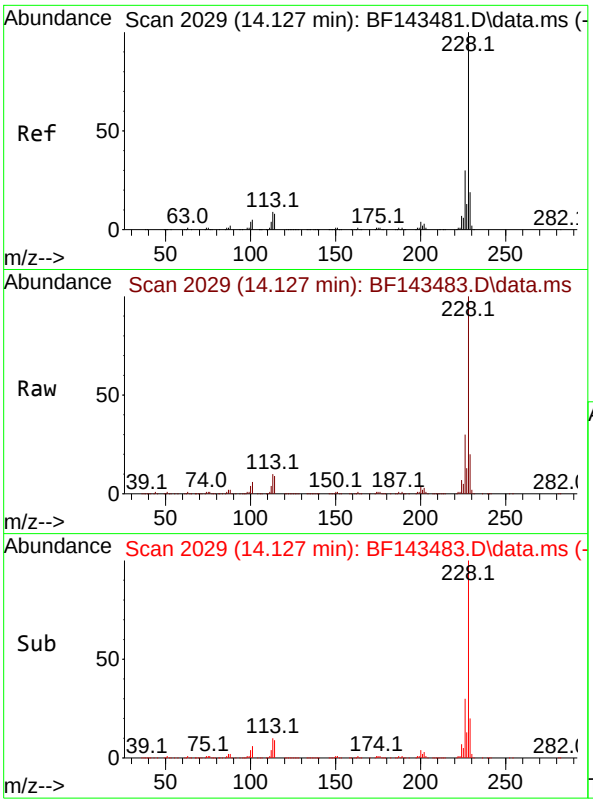


#82
3,3'-Dichlorobenzidine
Concen: 61.324 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 257059

Ion	Ratio	Lower	Upper
252	100		
254	63.5	52.6	79.0
126	10.4	8.7	13.1



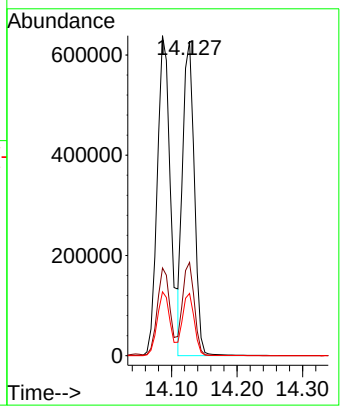


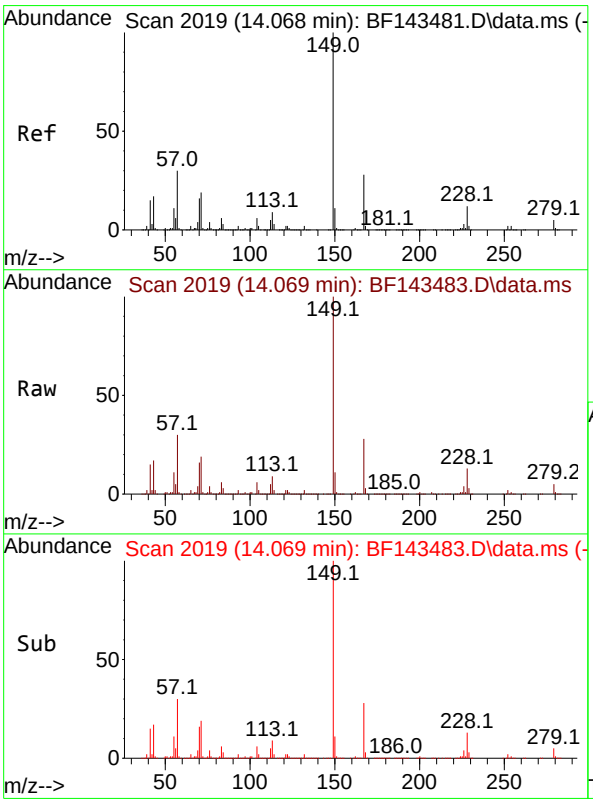
#83
Chrysene
Concen: 58.342 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 767443

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	19.8	15.7	23.5

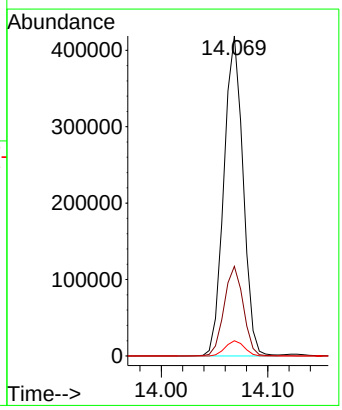


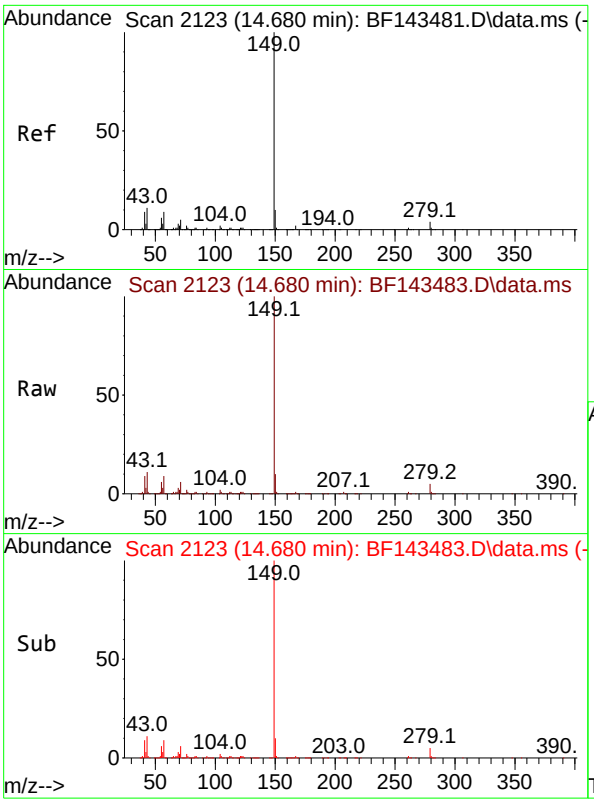


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.227 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:149 Resp: 523115

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.2	33.2
279	4.7	3.6	5.4



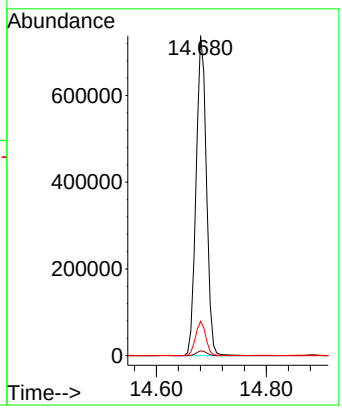


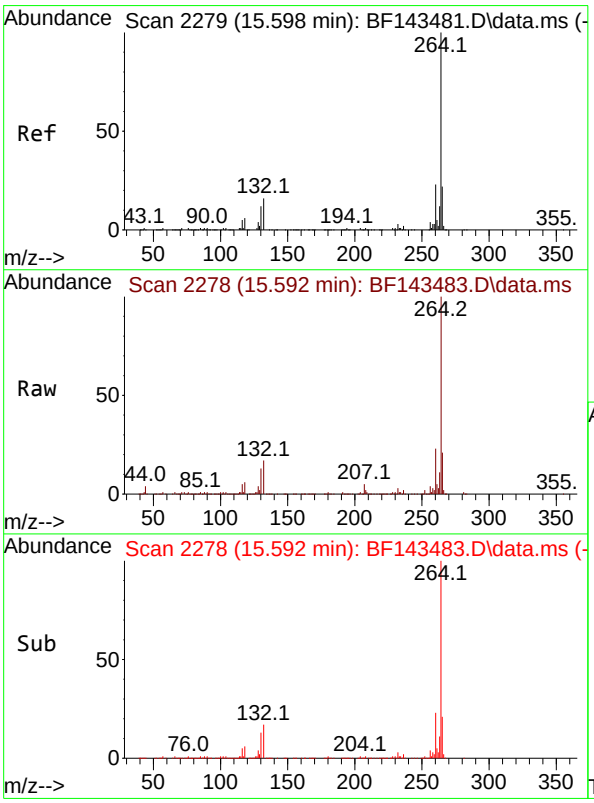
#85
Di-n-octyl phthalate
Concen: 66.864 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 963857

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.5	12.7

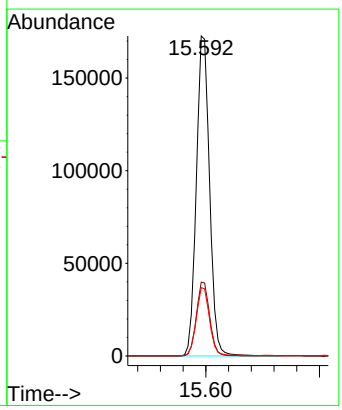


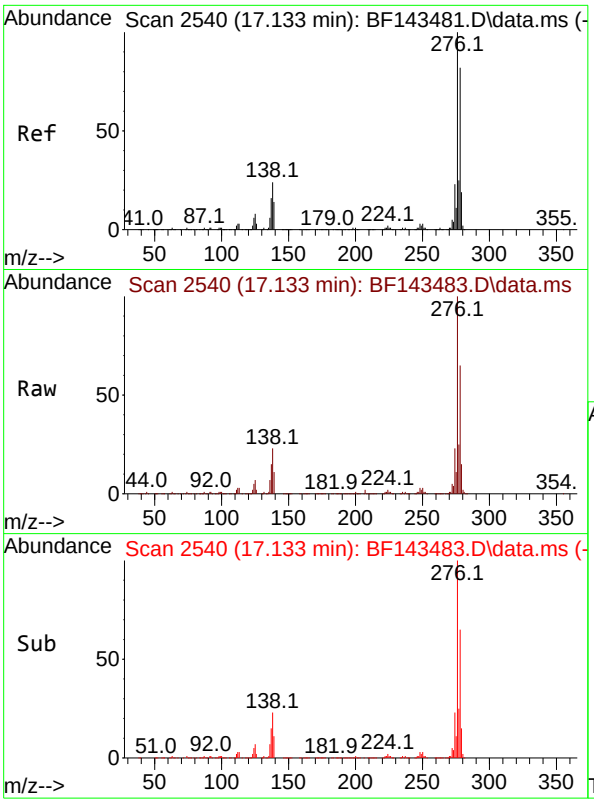


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:264 Resp: 280304

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	17.6	26.4



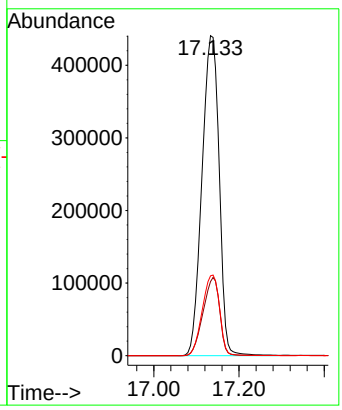


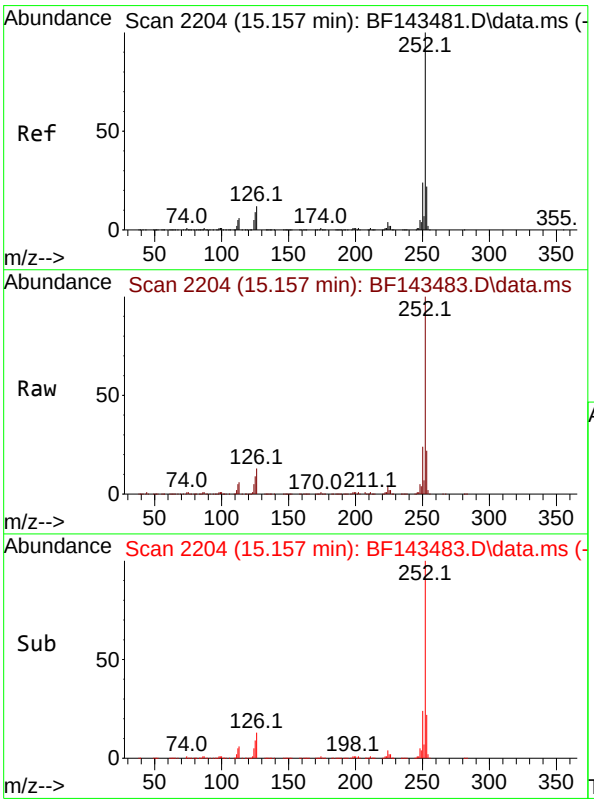
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.208 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1232879

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.2	28.8
277	25.4	20.3	30.5

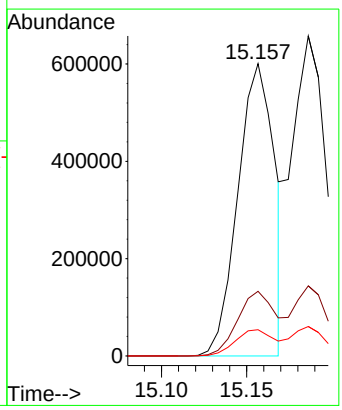


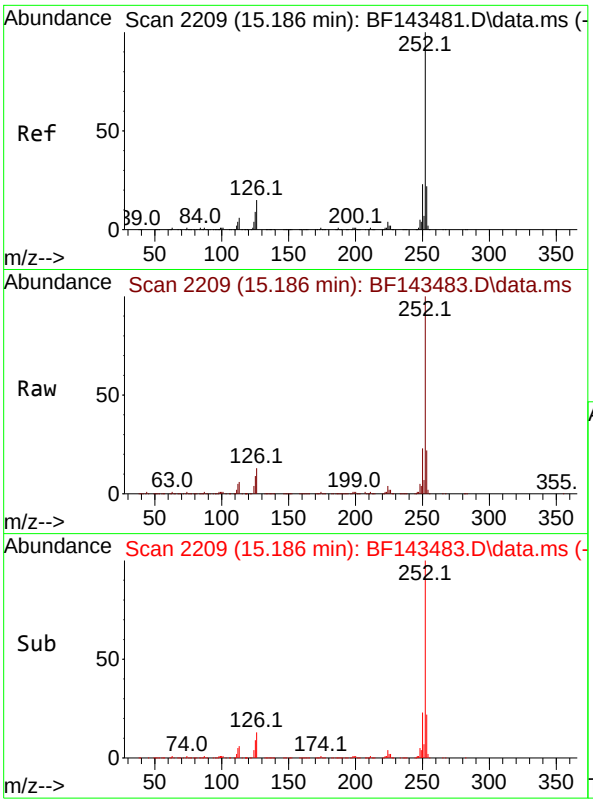


#88
Benzo(b)fluoranthene
Concen: 57.622 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 897808

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.0	7.4	11.0



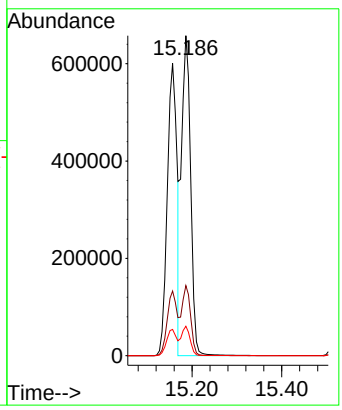


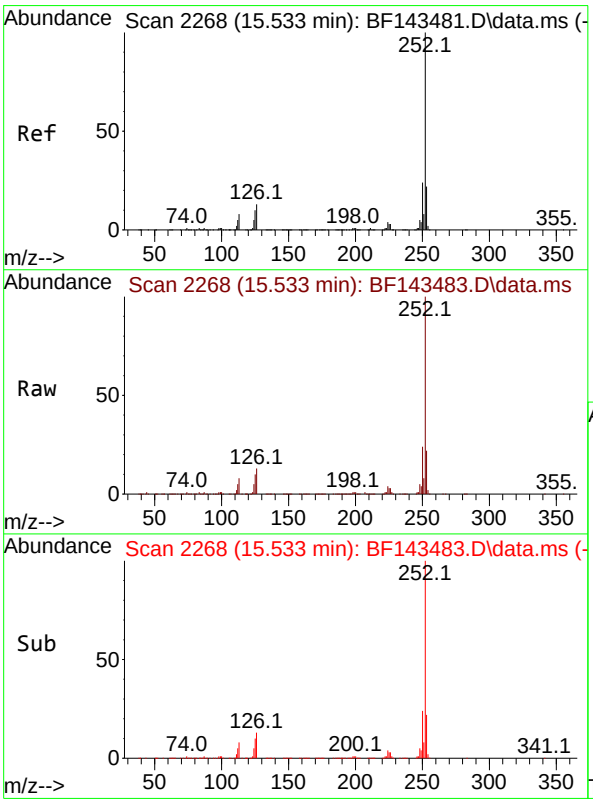
#89
Benzo(k)fluoranthene
Concen: 62.250 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 928660

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.2	7.4	11.0

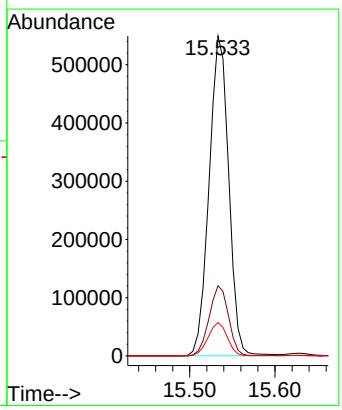


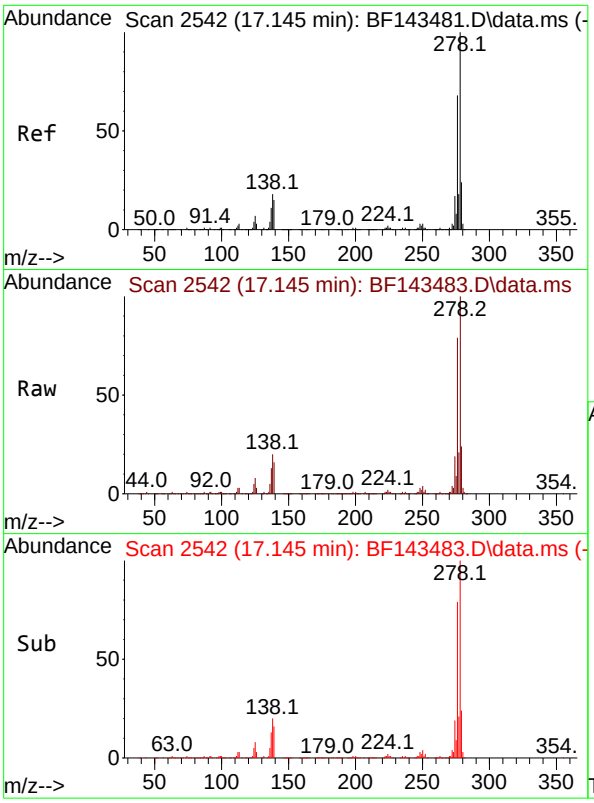


#90
Benzo(a)pyrene
Concen: 60.630 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:252 Resp: 876864

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.4	8.2	12.2



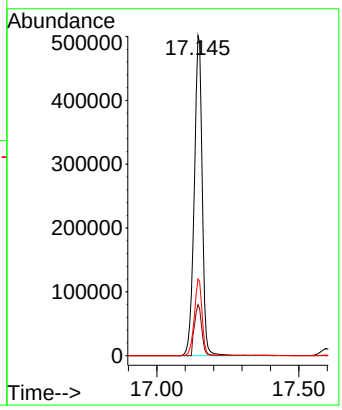


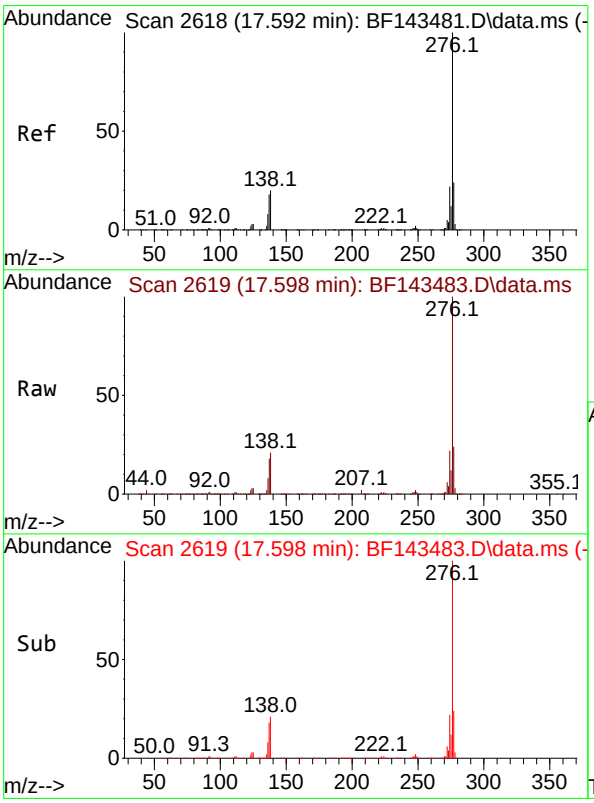
#91
Dibenzo(a,h)anthracene
Concen: 60.896 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 982366

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.1	18.1
279	23.9	19.2	28.8

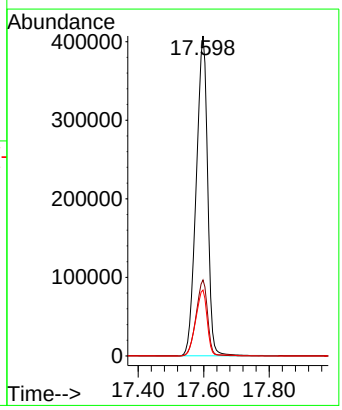




#92
Benzo(g,h,i)perylene
Concen: 61.444 ng
RT: 17.598 min Scan# 2619
Delta R.T. -0.006 min
Lab File: BF143483.D
Acq: 20 Aug 2025 13:51

Tgt Ion:276 Resp: 985608

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	20.6	16.3	24.5



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Data File : BF143484.D
Acq On : 20 Aug 2025 14:20
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 20 16:23:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	125123	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	471095	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	252899	20.000	ng		0.00
64) Phenanthrene-d10	11.457	188	380140	20.000	ng		0.00
76) Chrysene-d12	14.104	240	250059	20.000	ng		0.00
86) Perylene-d12	15.598	264	296923	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	1062268	148.245	ng		0.00
7) Phenol-d6	6.575	99	1300018	146.969	ng		0.00
23) Nitrobenzene-d5	7.498	82	1224256	151.649	ng		0.00
42) 2,4,6-Tribromophenol	10.763	330	358471	152.274	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	2022059	132.140	ng		0.00
79) Terphenyl-d14	13.039	244	1808474	126.204	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	261319	78.723	ng		99
3) Pyridine	3.516	79	711417	80.466	ng		98
4) n-Nitrosodimethylamine	3.475	42	324491	81.643	ng		98
6) Aniline	6.593	93	857604	72.534	ng	#	69
8) 2-Chlorophenol	6.722	128	601470	75.996	ng		99
10) Phenol	6.587	94	725059	71.153	ng		89
11) bis(2-Chloroethyl)ether	6.663	93	578357	75.951	ng		99
12) 1,3-Dichlorobenzene	6.875	146	659299	74.140	ng		100
13) 1,4-Dichlorobenzene	6.945	146	652783	73.180	ng		99
14) 1,2-Dichlorobenzene	7.098	146	617296	73.091	ng		99
15) Benzyl Alcohol	7.075	79	521147	78.692	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	852253	69.956	ng		82
17) 2-Methylphenol	7.187	107	480610	75.661	ng		98
18) Hexachloroethane	7.445	117	228092	75.207	ng		95
19) n-Nitroso-di-n-propyla...	7.351	70	391129	72.344	ng		99
20) 3+4-Methylphenols	7.340	107	538601	71.028	ng		97
22) Acetophenone	7.340	105	720554	70.797	ng	#	98
24) Nitrobenzene	7.516	77	634384	76.350	ng		99
25) Isophorone	7.757	82	1136551	76.802	ng		99
26) 2-Nitrophenol	7.828	139	326185	80.143	ng		99
27) 2,4-Dimethylphenol	7.869	122	473860	74.687	ng		99
28) bis(2-Chloroethoxy)met...	7.957	93	673547	74.061	ng		100
29) 2,4-Dichlorophenol	8.075	162	501321	73.984	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	515561	74.002	ng		99
31) Naphthalene	8.234	128	1619392	71.600	ng		99
32) Benzoic acid	8.010	122	302185	79.400	ng		99
33) 4-Chloroaniline	8.281	127	593863	73.979	ng		99
34) Hexachlorobutadiene	8.351	225	333754	73.429	ng		99
35) Caprolactam	8.675	113	136369	83.868	ng		99
36) 4-Chloro-3-methylphenol	8.769	107	507643	74.756	ng		99
37) 2-Methylnaphthalene	8.928	142	1059150	70.116	ng		100
38) 1-Methylnaphthalene	9.028	142	1018285	70.472	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	523305	72.341	ng		99
41) Hexachlorocyclopentadiene	9.081	237	224318	79.823	ng		100
43) 2,4,6-Trichlorophenol	9.204	196	342710	76.993	ng		100
44) 2,4,5-Trichlorophenol	9.251	196	369517	75.999	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143484.D
Acq On : 20 Aug 2025 14:20
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 20 16:23:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

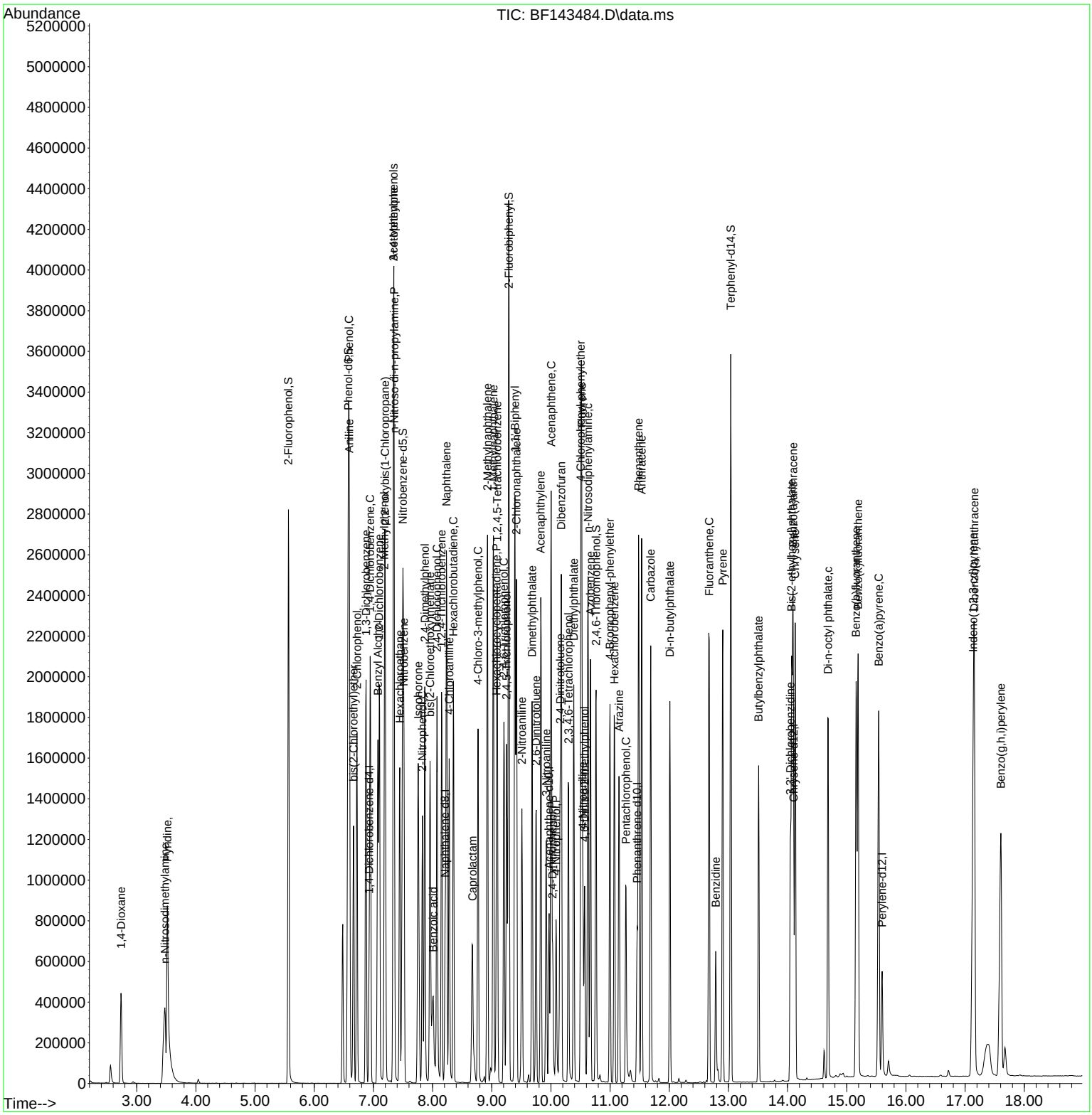
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1261514	70.278	ng	100
47) 2-Chloronaphthalene	9.416	162	1020070	72.427	ng	99
48) 2-Nitroaniline	9.510	65	323688	78.529	ng	97
49) Acenaphthylene	9.828	152	1453334	72.067	ng	99
50) Dimethylphthalate	9.681	163	1146434	75.267	ng	100
51) 2,6-Dinitrotoluene	9.751	165	254308	80.559	ng	99
52) Acenaphthene	10.004	154	996259	72.761	ng	100
53) 3-Nitroaniline	9.922	138	272588	79.912	ng	99
54) 2,4-Dinitrophenol	10.028	184	130385	77.416	ng	97
55) Dibenzofuran	10.175	168	1396682	71.547	ng	99
56) 4-Nitrophenol	10.086	139	183388	90.356	ng	97
57) 2,4-Dinitrotoluene	10.157	165	339818	80.619	ng	99
58) Fluorene	10.522	166	1036620	68.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.298	232	291172	80.607	ng	100
60) Diethylphthalate	10.386	149	1019464	74.653	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	532970	70.930	ng	100
62) 4-Nitroaniline	10.539	138	253207	80.815	ng	97
63) Azobenzene	10.669	77	1029397	72.699	ng	99
65) 4,6-Dinitro-2-methylph...	10.569	198	190849	89.041	ng	99
66) n-Nitrosodiphenylamine	10.628	169	896806	73.307	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	344616	75.979	ng	98
68) Hexachlorobenzene	11.075	284	369632	75.603	ng	98
69) Atrazine	11.151	200	267710	84.774	ng	98
70) Pentachlorophenol	11.269	266	198658	88.721	ng	100
71) Phenanthrene	11.480	178	1473414	72.378	ng	100
72) Anthracene	11.533	178	1489612	72.232	ng	99
73) Carbazole	11.686	167	1254509	74.240	ng	99
74) Di-n-butylphthalate	12.010	149	1299399	82.429	ng	99
75) Fluoranthene	12.674	202	1310616	71.750	ng	99
77) Benzidine	12.786	184	371810	61.042	ng	100
78) Pyrene	12.904	202	1327454	64.536	ng	100
80) Butylbenzylphthalate	13.510	149	484637	86.247	ng	99
81) Benzo(a)anthracene	14.092	228	1237164	76.847	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	370170	80.290	ng	99
83) Chrysene	14.127	228	1114466	77.031	ng	99
84) Bis(2-ethylhexyl)phtha...	14.069	149	700384	81.836	ng	99
85) Di-n-octyl phthalate	14.686	149	1227818	77.442	ng	100
87) Indeno(1,2,3-cd)pyrene	17.139	276	1538560	72.108	ng	100
88) Benzo(b)fluoranthene	15.157	252	1329385	80.545	ng	99
89) Benzo(k)fluoranthene	15.192	252	1193283	75.511	ng	99
90) Benzo(a)pyrene	15.539	252	1200553	78.365	ng	100
91) Dibenzo(a,h)anthracene	17.157	278	1214959	71.099	ng	100
92) Benzo(g,h,i)perylene	17.604	276	1233571	72.598	ng	99

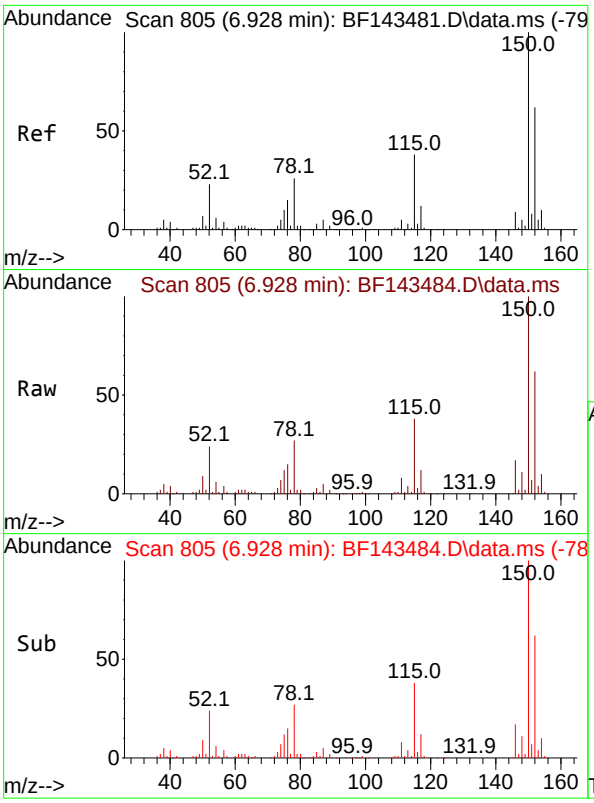
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143484.D
Acq On : 20 Aug 2025 14:20
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 20 16:23:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



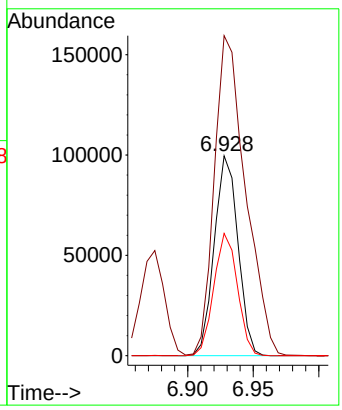


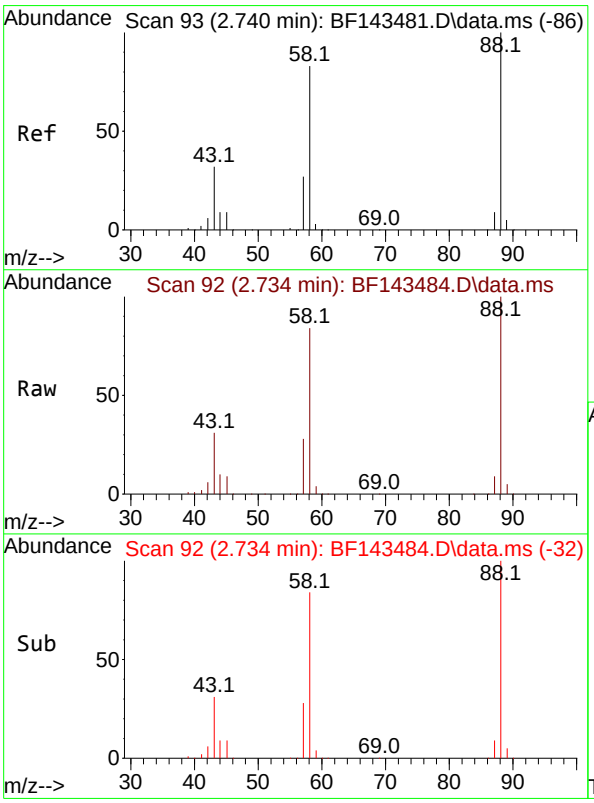
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 125123

Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.9	193.3
115	61.1	49.2	73.8

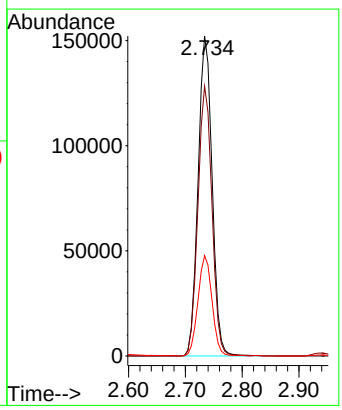


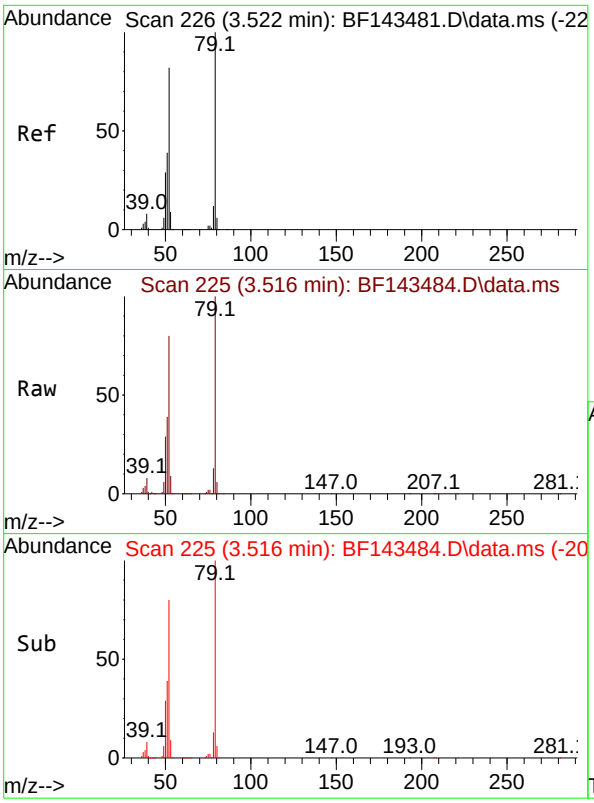


#2
1,4-Dioxane
Concen: 78.723 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 88 Resp: 261319

Ion	Ratio	Lower	Upper
88	100		
58	84.6	66.7	100.1
43	31.5	25.8	38.8



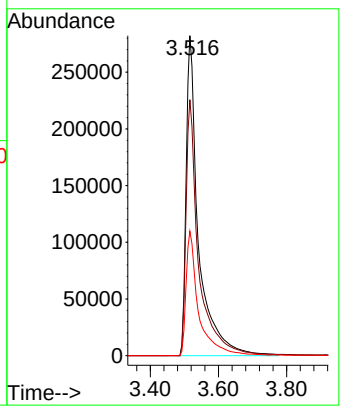


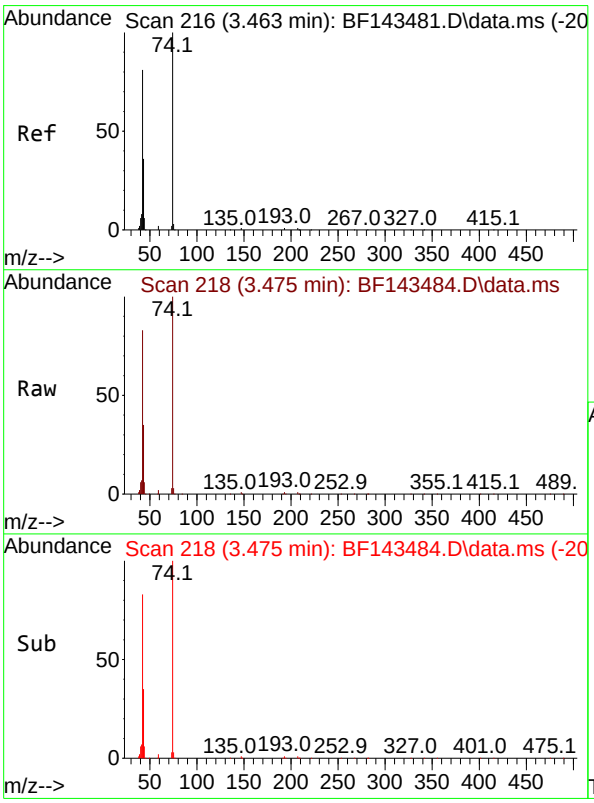
#3
Pyridine
Concen: 80.466 ng
RT: 3.516 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 711417

Ion	Ratio	Lower	Upper
79	100		
52	80.0	65.6	98.4
51	38.9	31.2	46.8

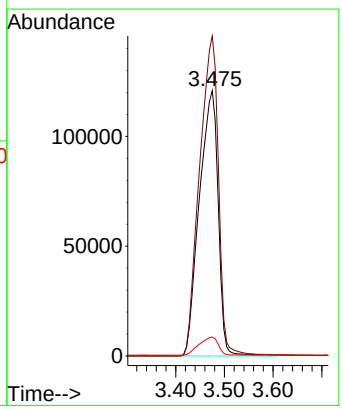


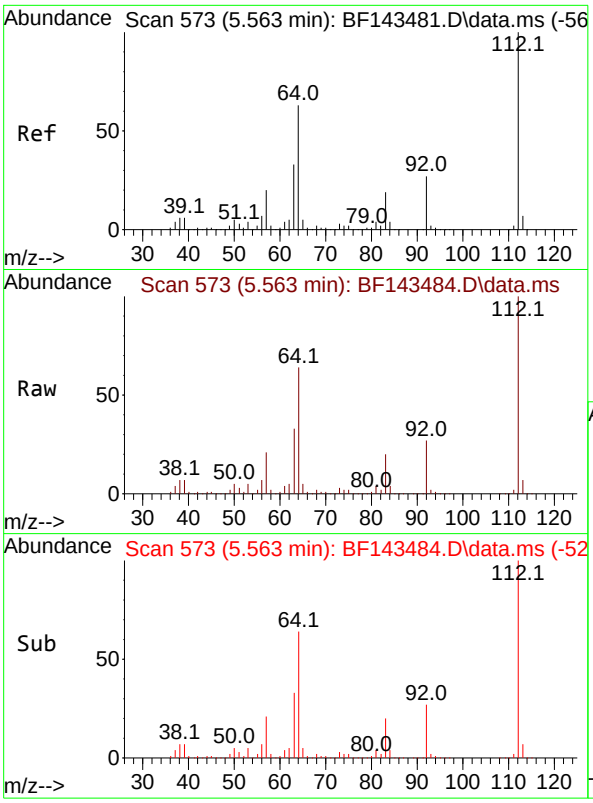


#4
n-Nitrosodimethylamine
Concen: 81.643 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 42 Resp: 324491

Ion	Ratio	Lower	Upper
42	100		
74	120.6	98.6	148.0
44	7.2	5.8	8.8



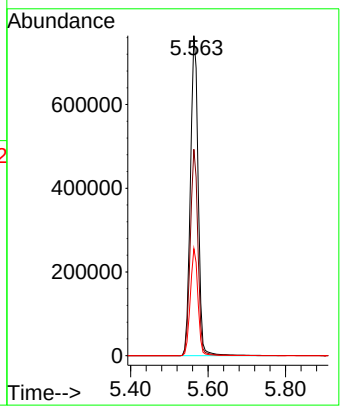


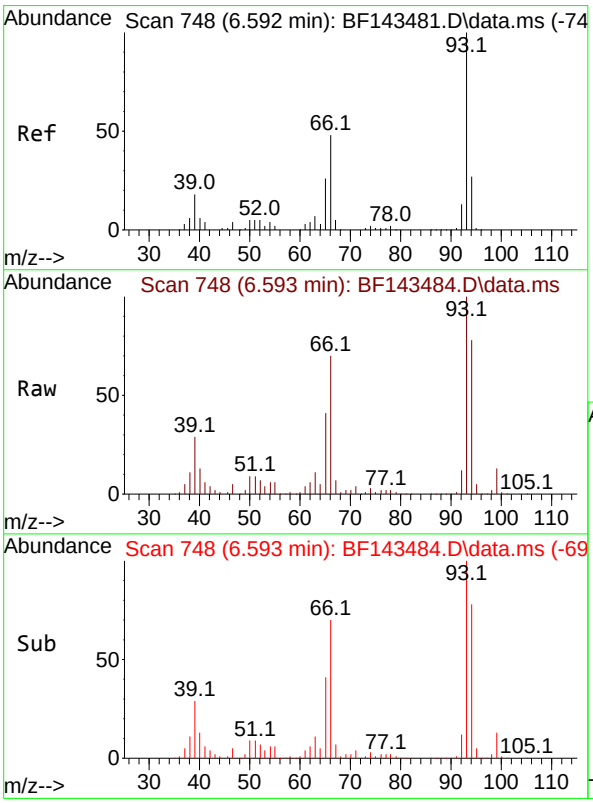
#5
2-Fluorophenol
Concen: 148.245 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1062268

Ion	Ratio	Lower	Upper
112	100		
64	64.5	50.4	75.6
63	33.5	26.4	39.6

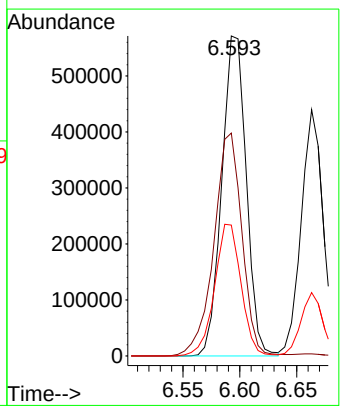


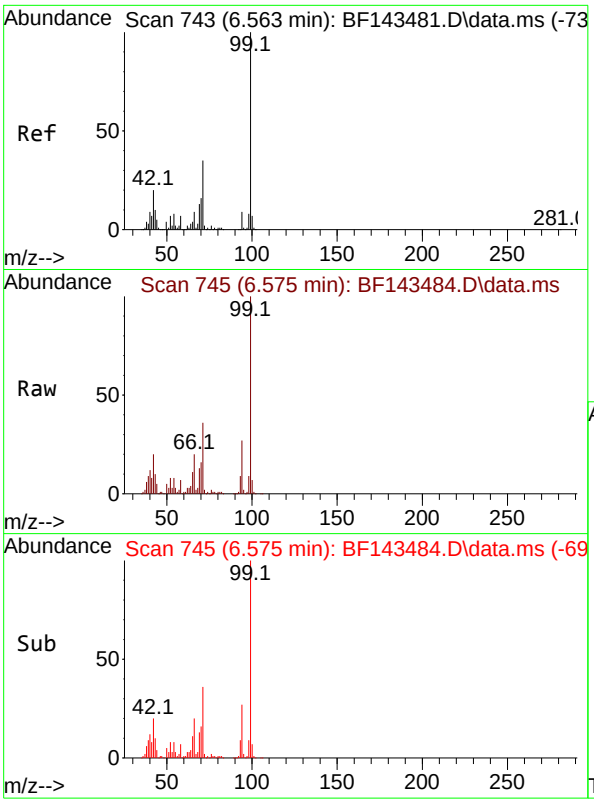


#6
Aniline
Concen: 72.534 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 93 Resp: 857604

Ion	Ratio	Lower	Upper
93	100		
66	69.7	38.9	58.3#
65	40.9	20.6	30.8#



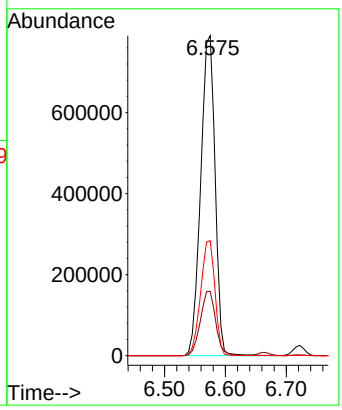


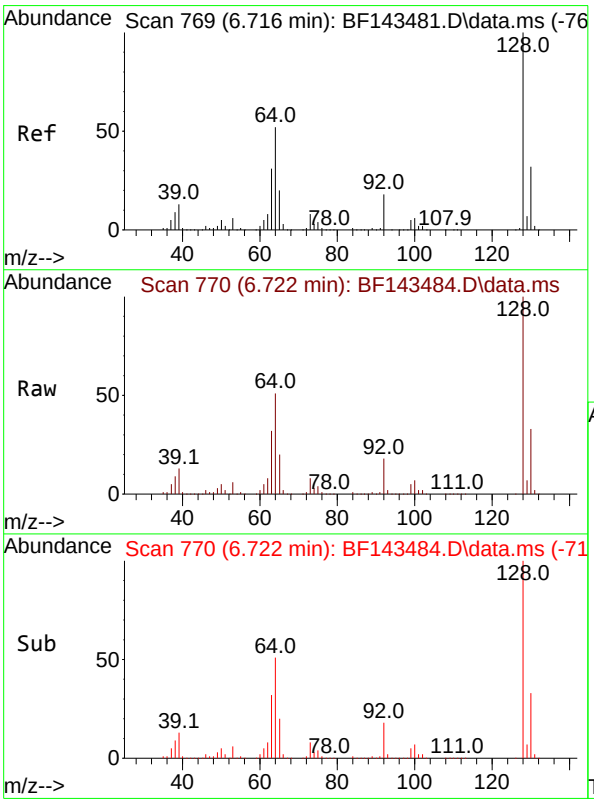
#7
Phenol-d6
Concen: 146.969 ng
RT: 6.575 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1300018

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.3	24.5
71	35.9	28.2	42.2

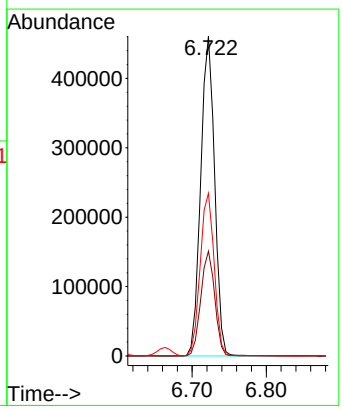


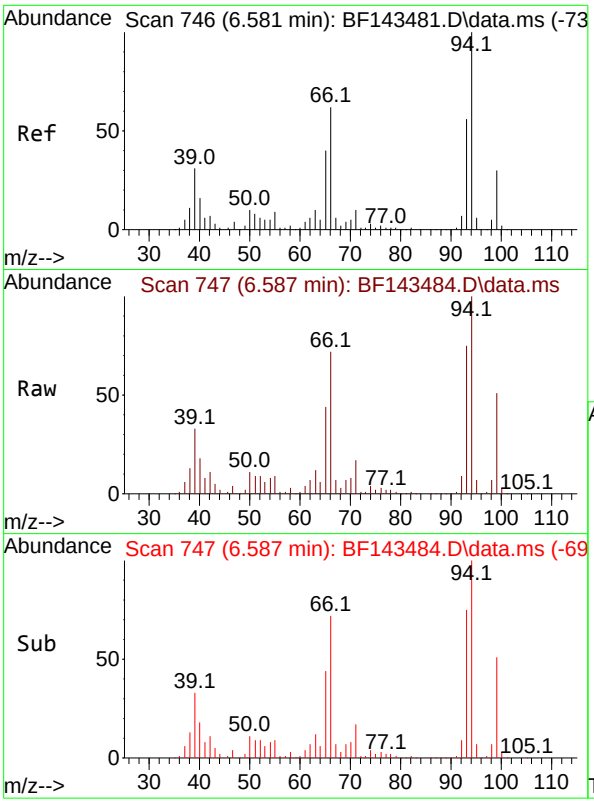


#8
2-Chlorophenol
Concen: 75.996 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:128 Resp: 601470

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.4	52.4
64	50.8	31.6	71.6



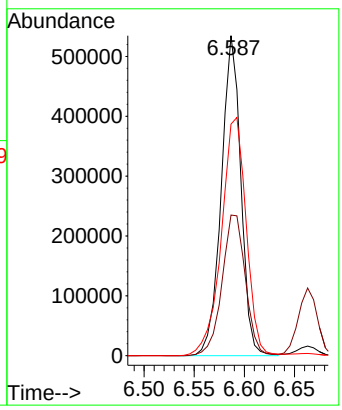


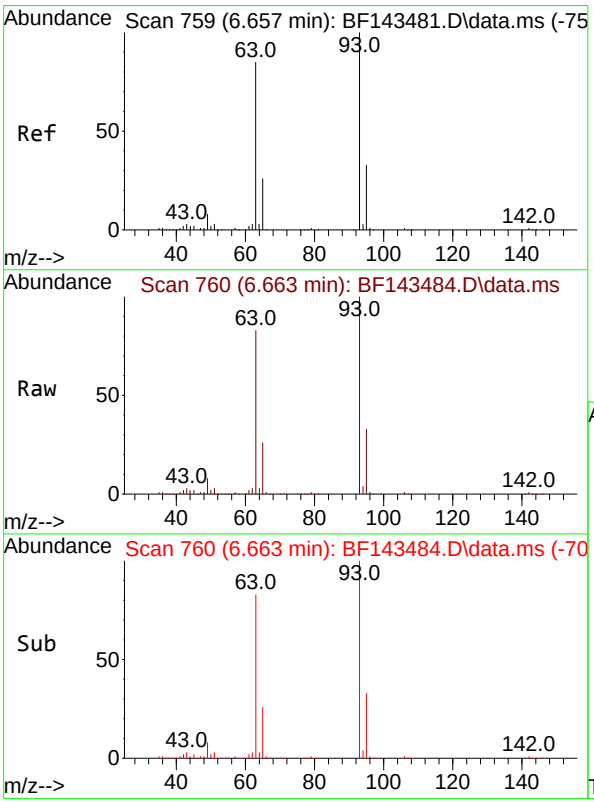
#10
Phenol
Concen: 71.153 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 725059

Ion	Ratio	Lower	Upper
94	100		
65	44.0	19.5	59.5
66	72.4	42.5	82.5

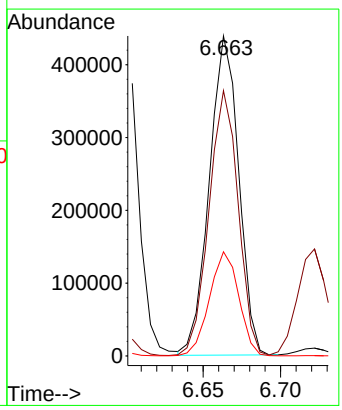


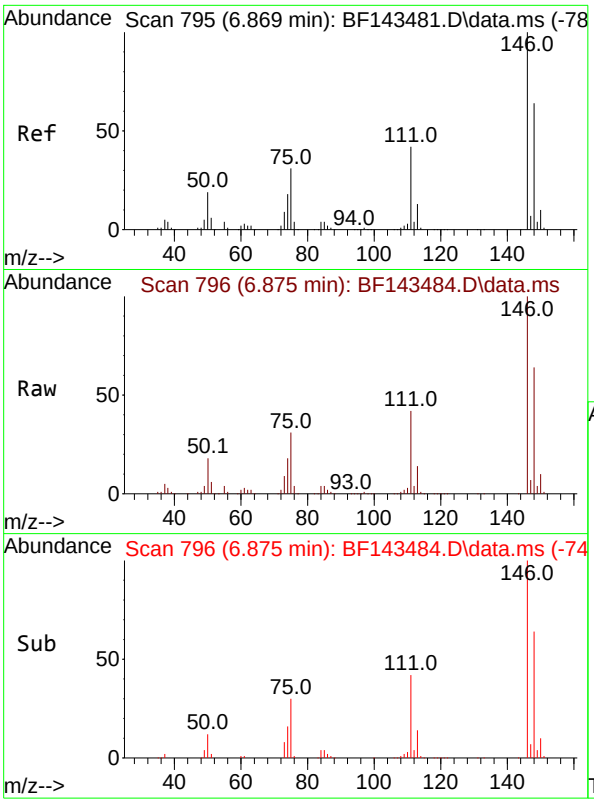


#11
bis(2-Chloroethyl)ether
Concen: 75.951 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 93 Resp: 578357

Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.6	103.6
95	32.6	12.8	52.8



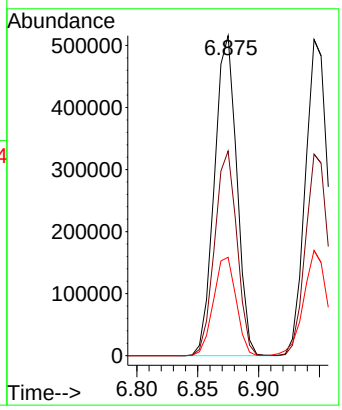


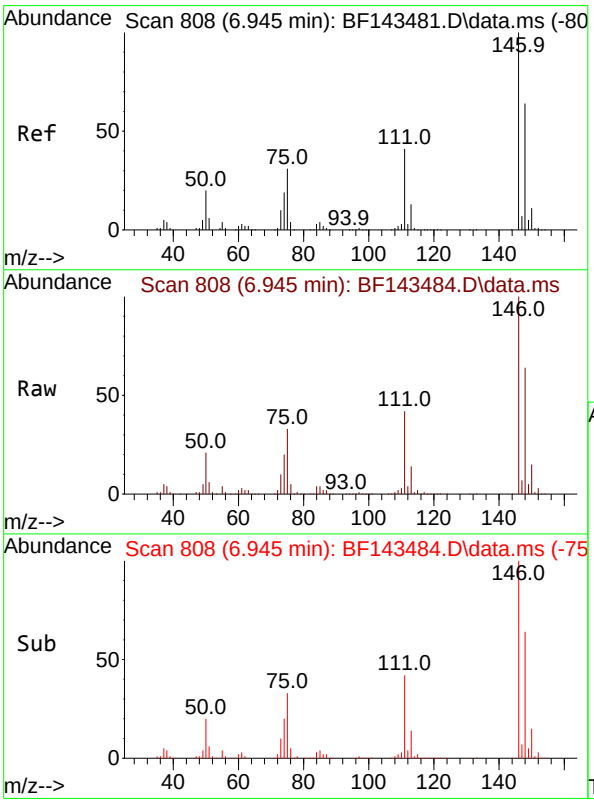
#12
1,3-Dichlorobenzene
Concen: 74.140 ng
RT: 6.875 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 659299

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
75	30.7	24.7	37.1

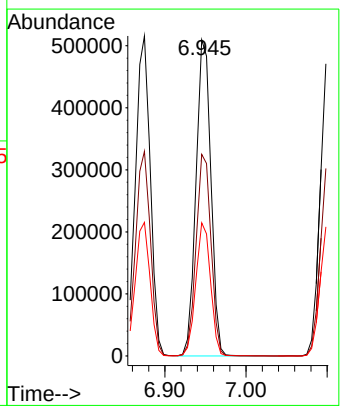


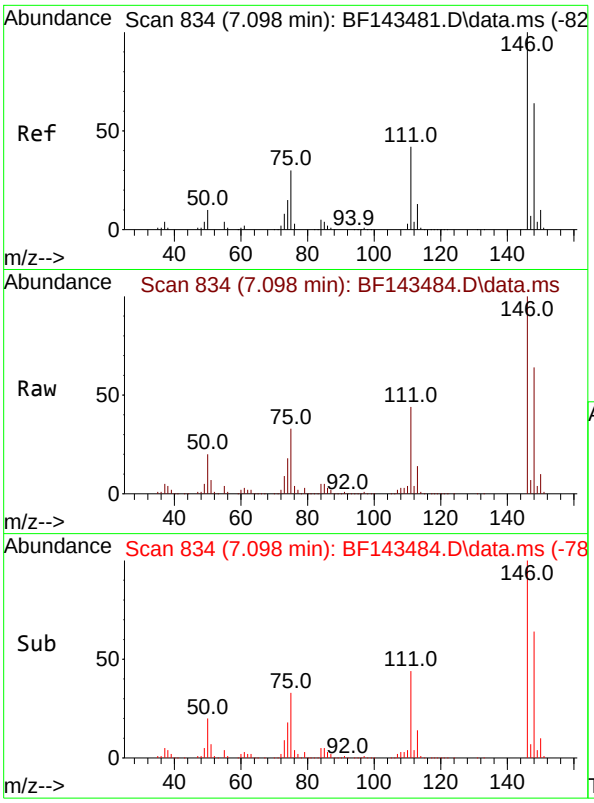


#13
1,4-Dichlorobenzene
Concen: 73.180 ng
RT: 6.945 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:146 Resp: 652783

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	42.1	32.6	49.0



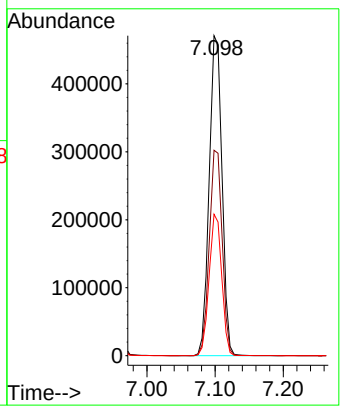


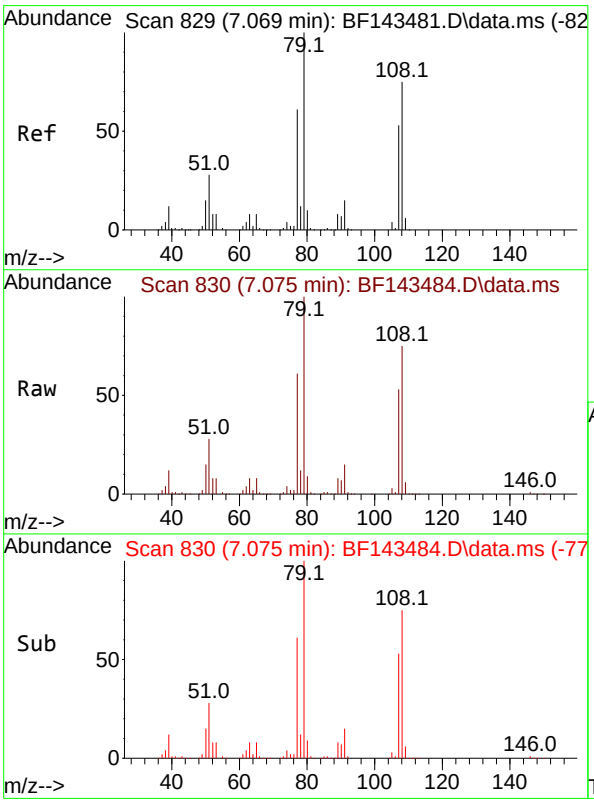
#14
1,2-Dichlorobenzene
Concen: 73.091 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 617296

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.2	34.0	51.0

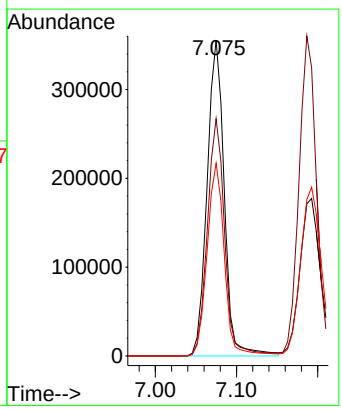


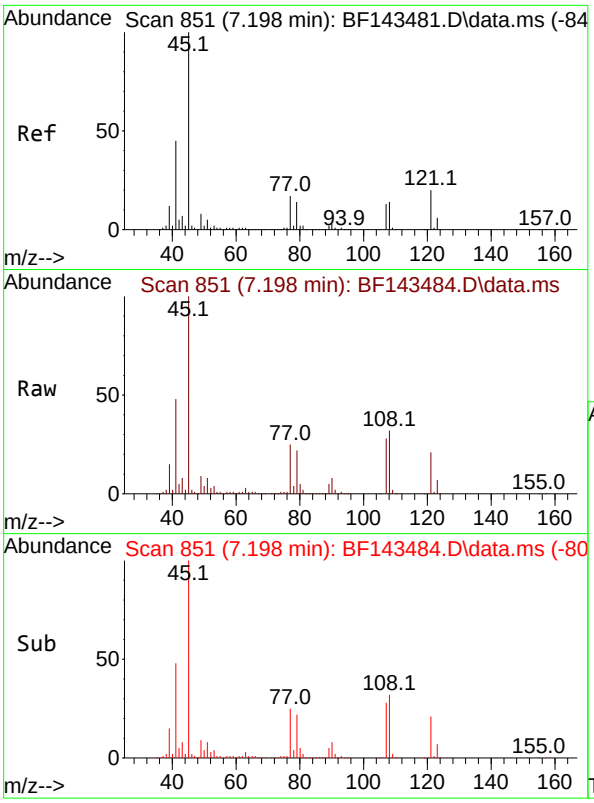


#15
Benzyl Alcohol
Concen: 78.692 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 79 Resp: 521147

Ion	Ratio	Lower	Upper
79	100		
108	75.1	59.8	89.6
77	61.0	49.0	73.4



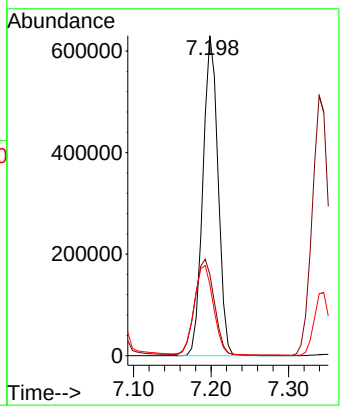


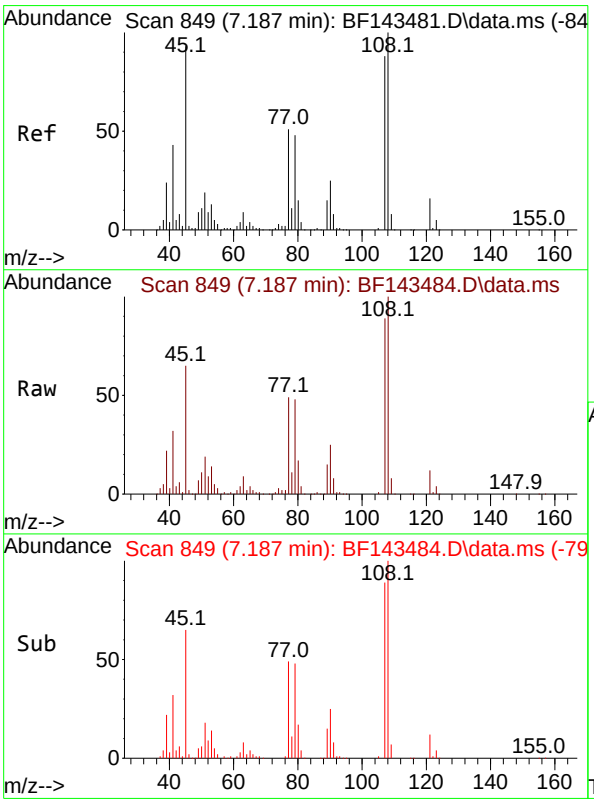
#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.956 ng
RT: 7.198 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 852253

Ion	Ratio	Lower	Upper
45	100		
77	25.4	0.0	37.9
79	22.3	0.0	34.7

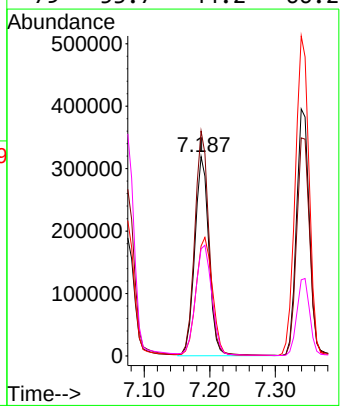


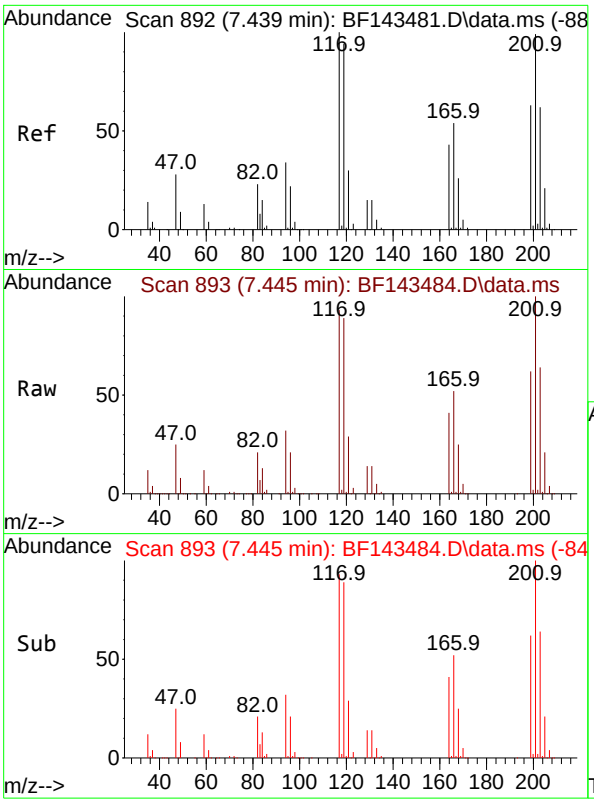


#17
2-Methylphenol
Concen: 75.661 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:107 Resp: 480610

Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.1	136.7
77	55.1	46.2	69.4
79	53.7	44.2	66.2



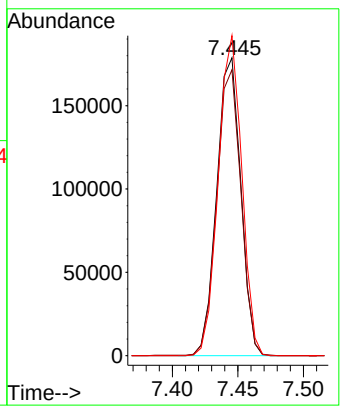


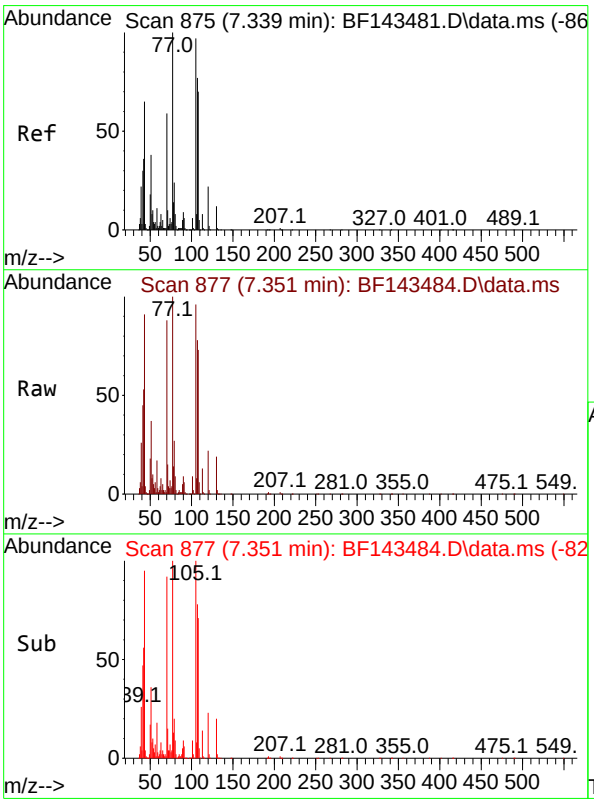
#18
Hexachloroethane
Concen: 75.207 ng
RT: 7.445 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 228092

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.4	113.0
201	107.4	79.0	118.4

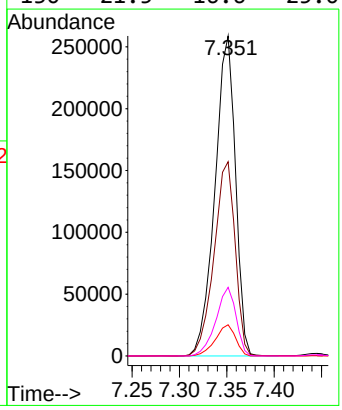


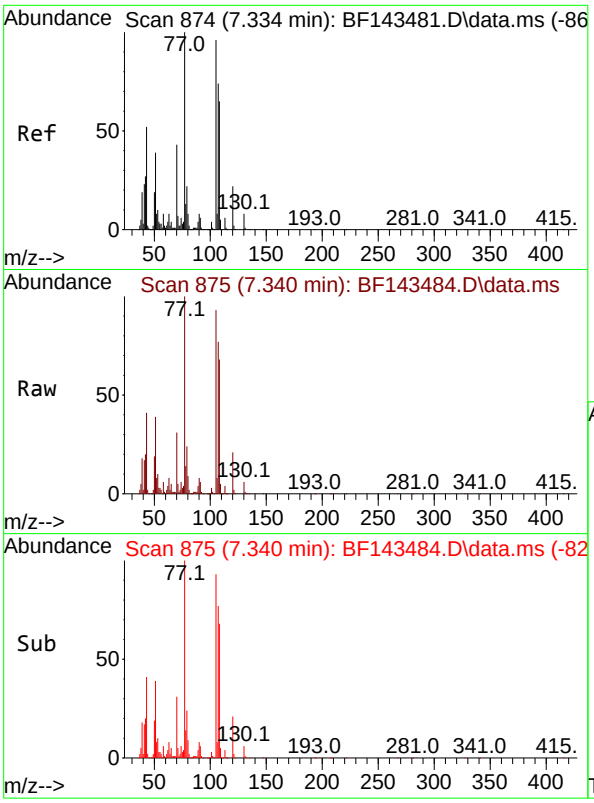


#19
n-Nitroso-di-n-propylamine
Concen: 72.344 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 70 Resp: 391129

Ion	Ratio	Lower	Upper
70	100		
42	60.7	49.3	73.9
101	9.7	7.8	11.8
130	21.5	16.6	25.0



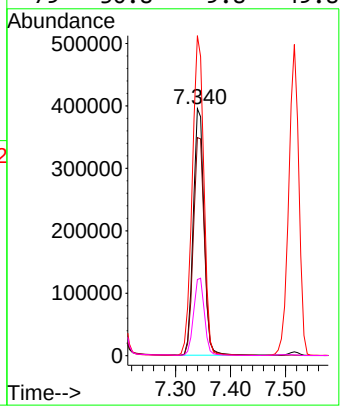


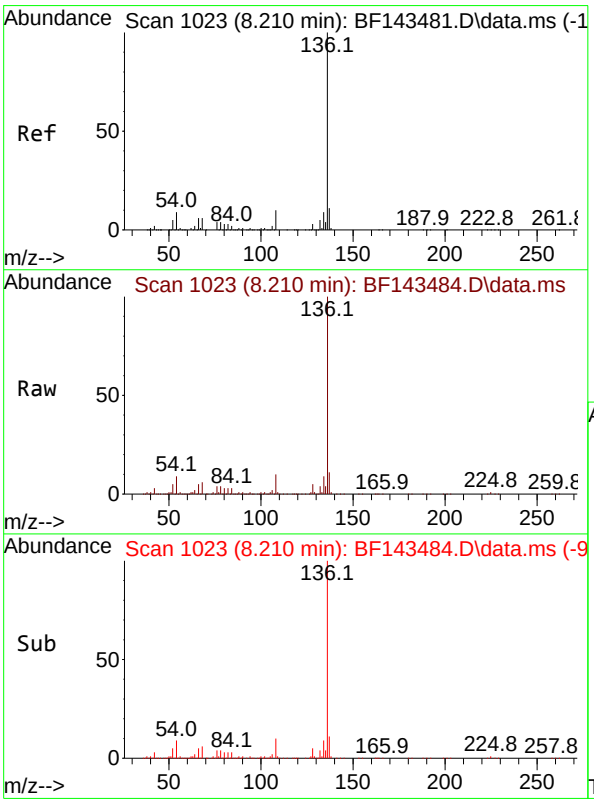
#20
3+4-Methylphenols
Concen: 71.028 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 538601

Ion	Ratio	Lower	Upper
107	100		
108	88.3	68.4	108.4
77	129.6	116.1	156.1
79	30.8	9.8	49.8

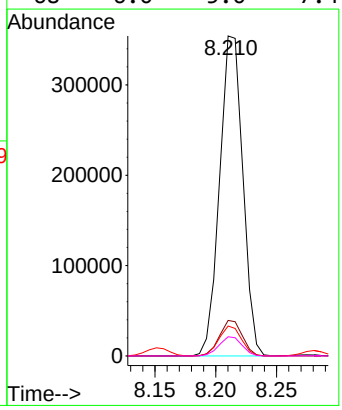


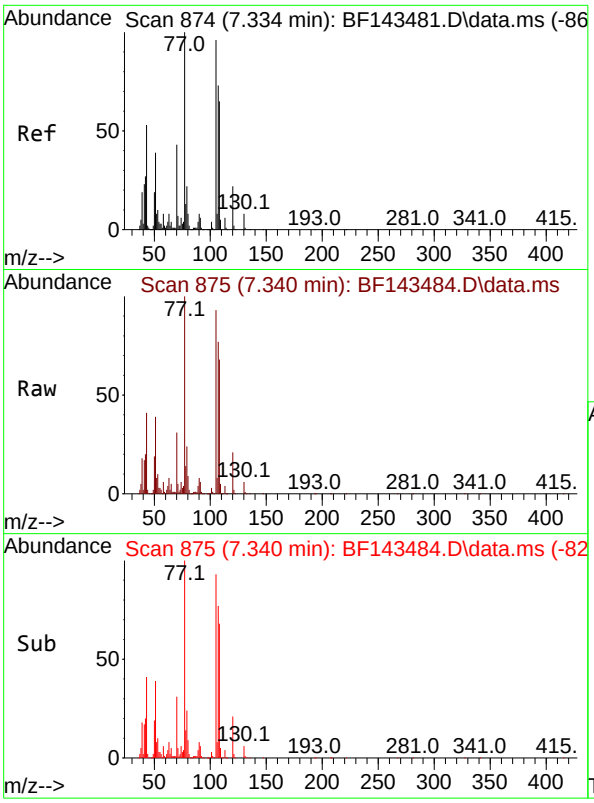


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:136 Resp: 471095

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.4	7.4	11.2
68	6.0	5.0	7.4



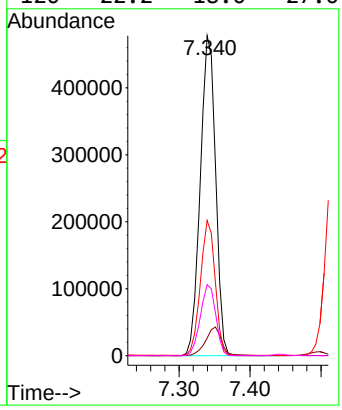


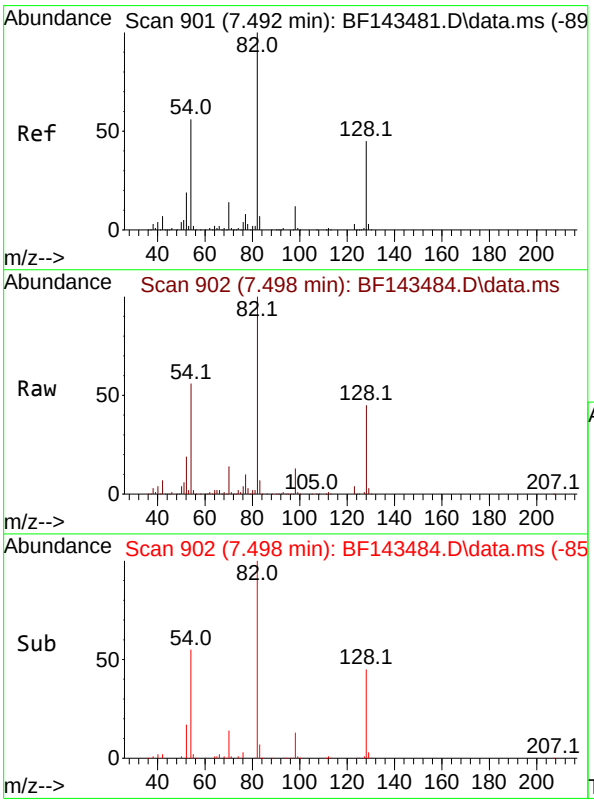
#22
Acetophenone
Concen: 70.797 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 720554

Ion	Ratio	Lower	Upper
105	100		
71	5.5	5.9	8.9#
51	42.2	32.5	48.7
120	22.2	18.0	27.0

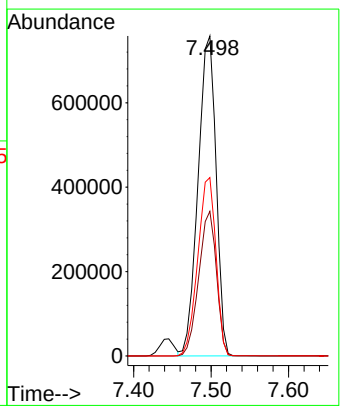


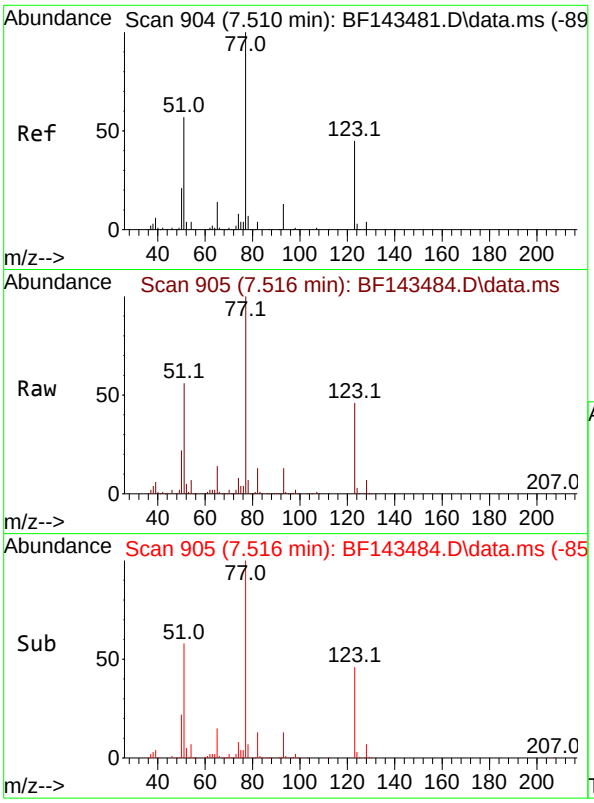


#23
Nitrobenzene-d5
Concen: 151.649 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 82 Resp: 1224256

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.5	53.3
54	55.7	44.3	66.5



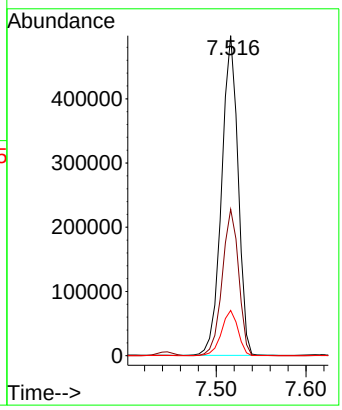


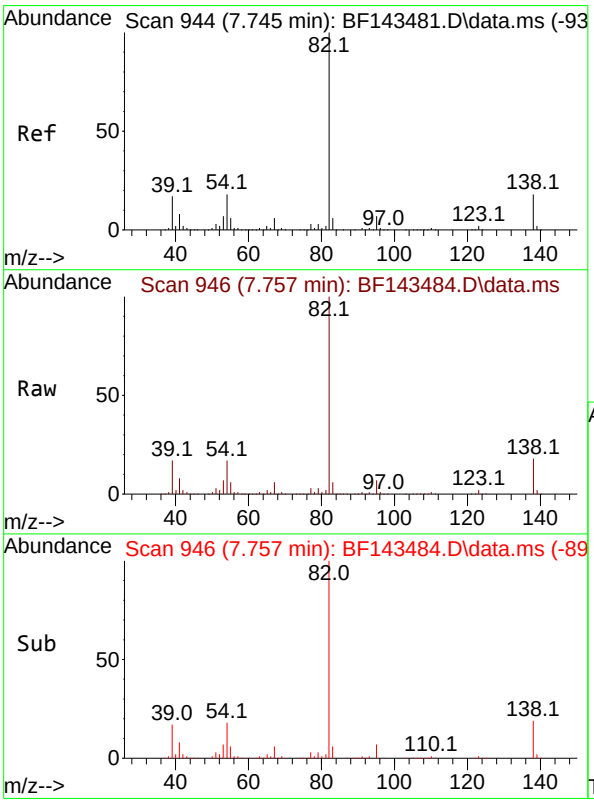
#24
Nitrobenzene
Concen: 76.350 ng
RT: 7.516 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 634384

Ion	Ratio	Lower	Upper
77	100		
123	45.8	36.1	54.1
65	14.2	11.0	16.6

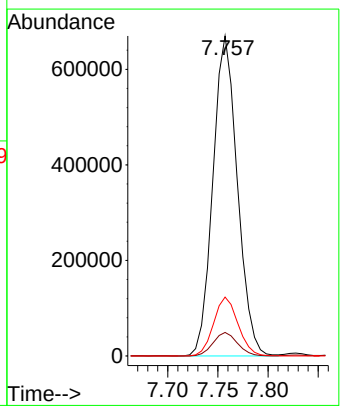


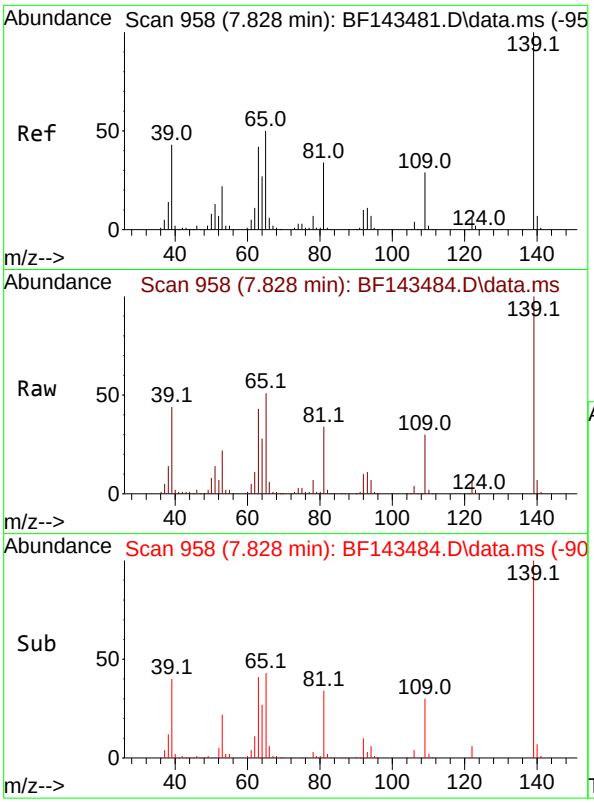


#25
Isophorone
Concen: 76.802 ng
RT: 7.757 min Scan# 946
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 82 Resp: 1136551

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.4	14.2	21.4



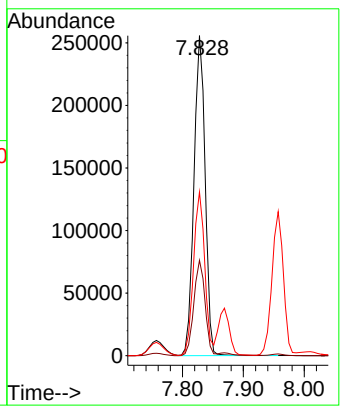


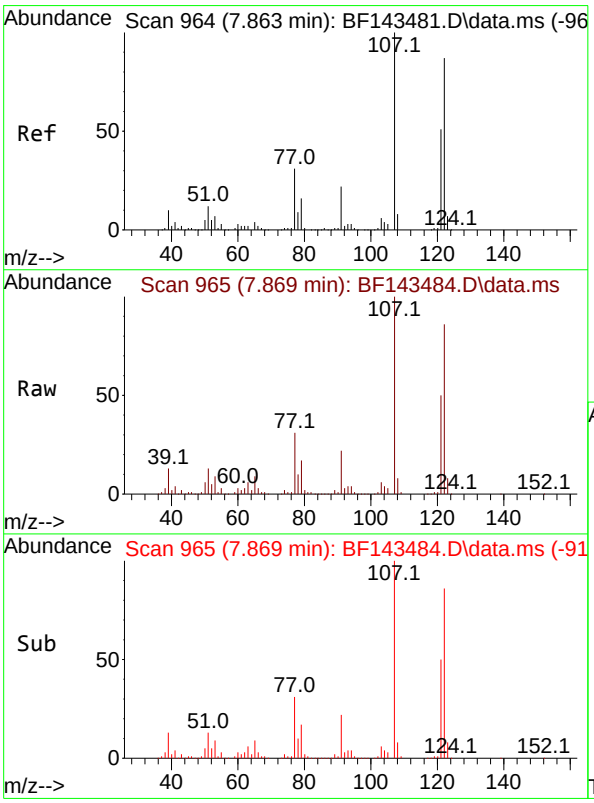
#26
2-Nitrophenol
Concen: 80.143 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 326185

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.0	34.6
65	51.1	40.3	60.5

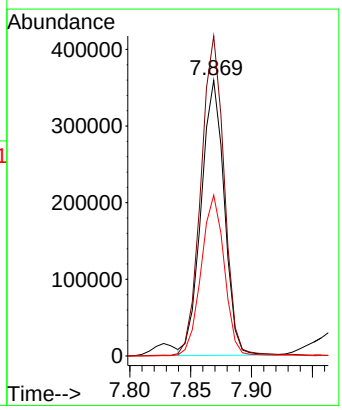


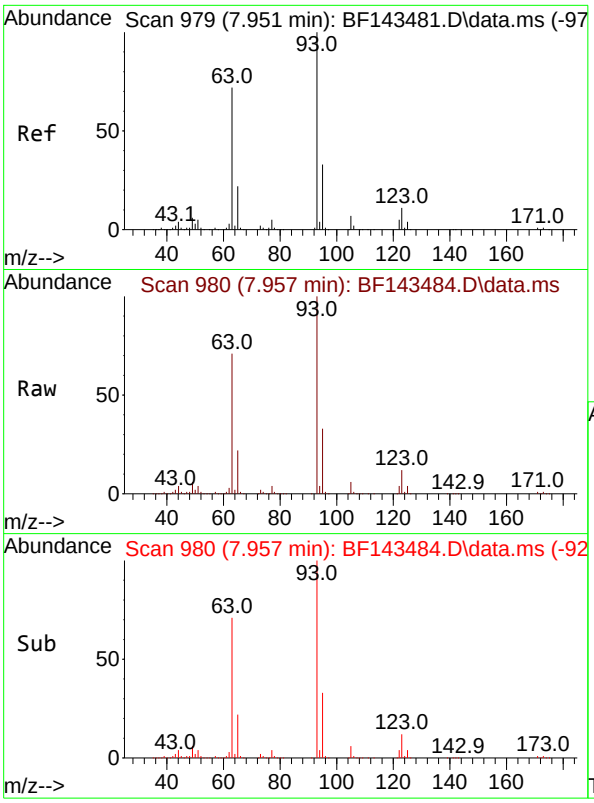


#27
2,4-Dimethylphenol
Concen: 74.687 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:122 Resp: 473860

Ion	Ratio	Lower	Upper
122	100		
107	116.1	91.5	137.3
121	58.3	47.0	70.4



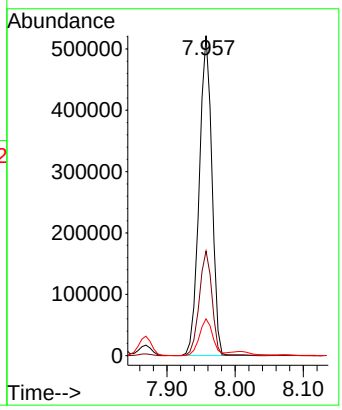


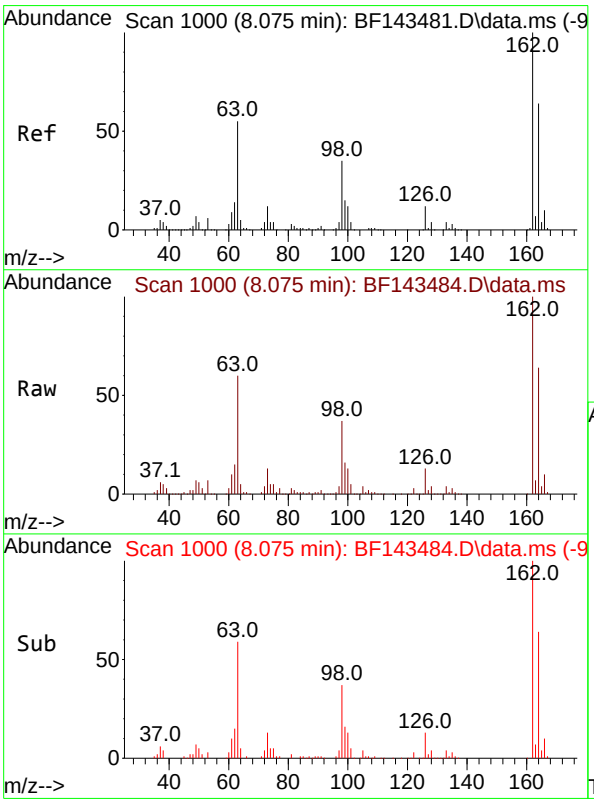
#28
bis(2-Chloroethoxy)methane
Concen: 74.061 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 673547

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	11.5	9.1	13.7

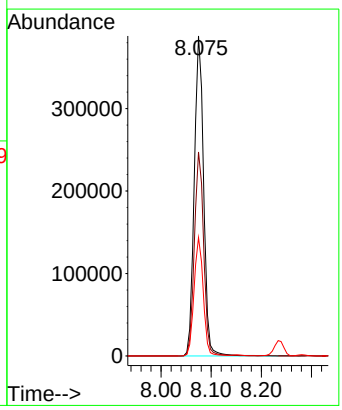


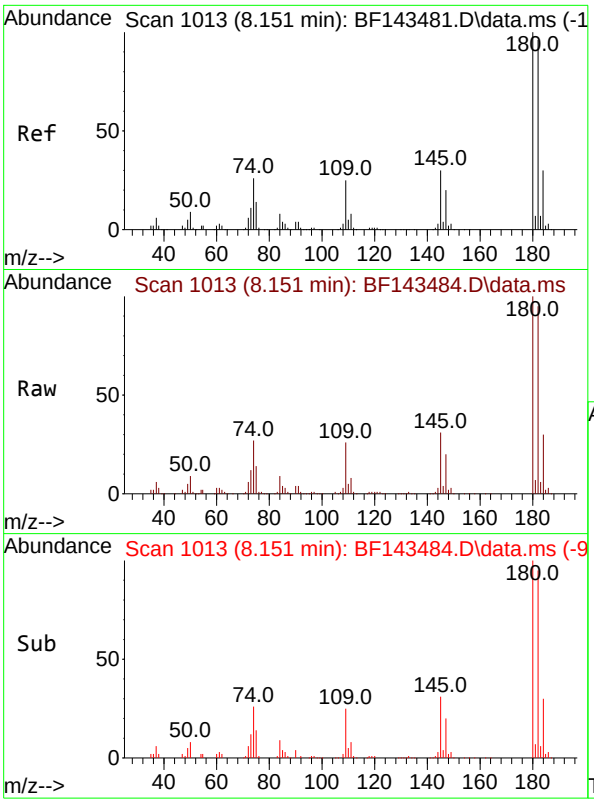


#29
2,4-Dichlorophenol
Concen: 73.984 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:162 Resp: 501321

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.5	83.5
98	37.0	15.1	55.1



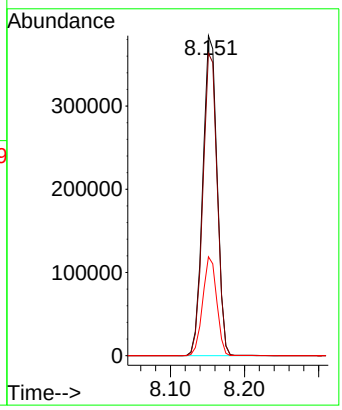


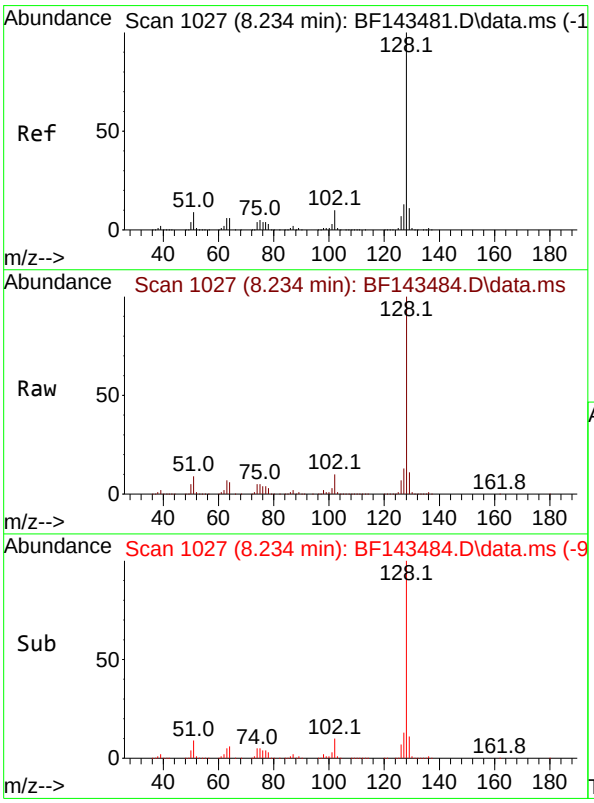
#30
1,2,4-Trichlorobenzene
Concen: 74.002 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 515561

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
145	30.9	24.3	36.5

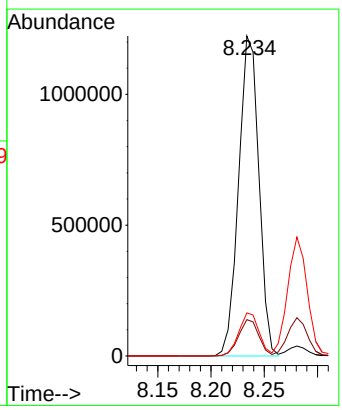


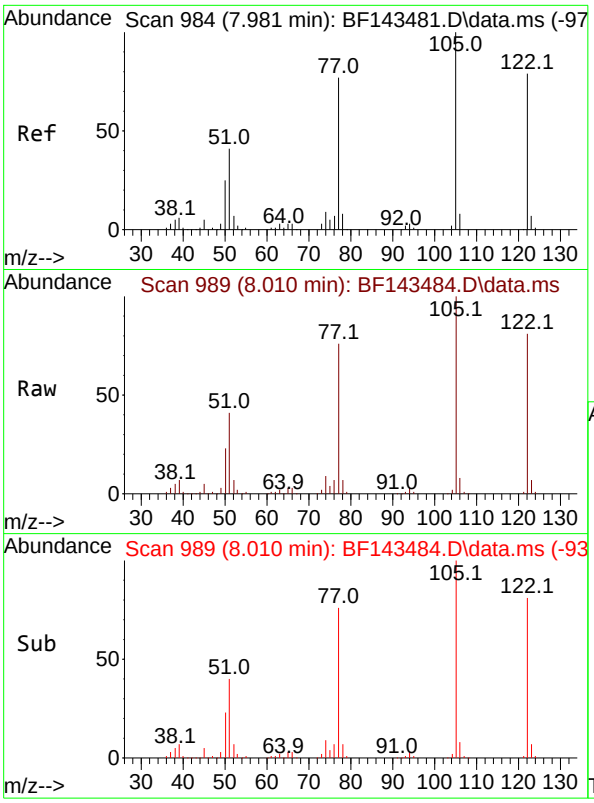


#31
Naphthalene
Concen: 71.600 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:128 Resp: 1619392

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.4	10.6	16.0



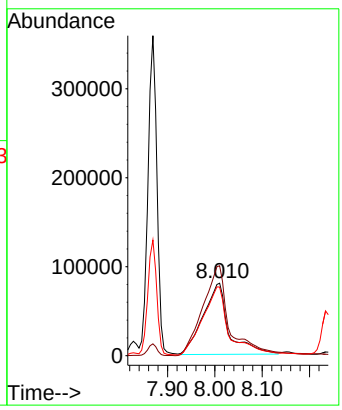


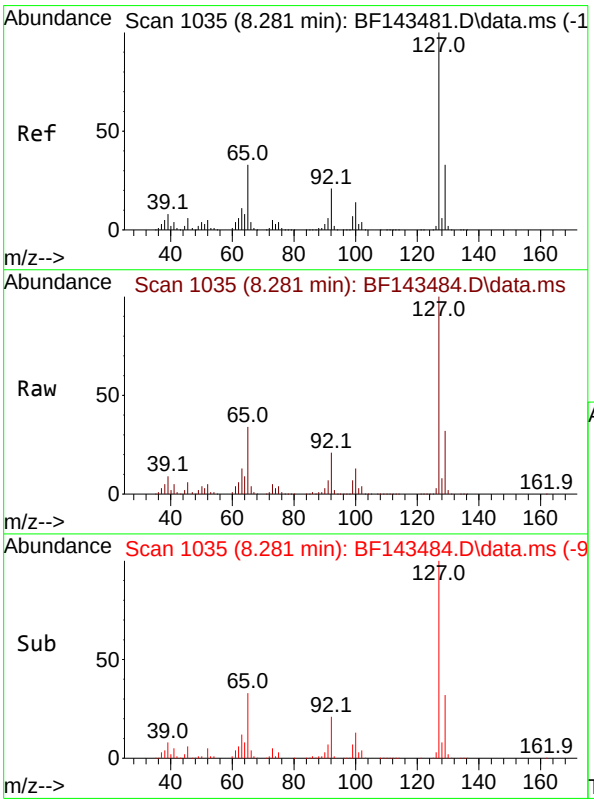
#32
Benzoic acid
Concen: 79.400 ng
RT: 8.010 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 302185

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.7	144.7
77	94.8	77.3	117.3

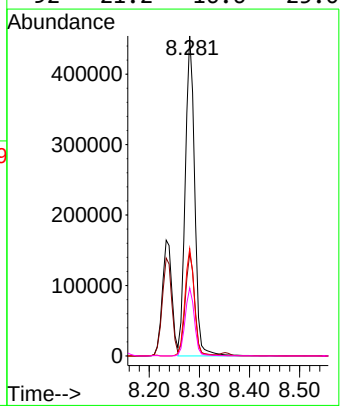


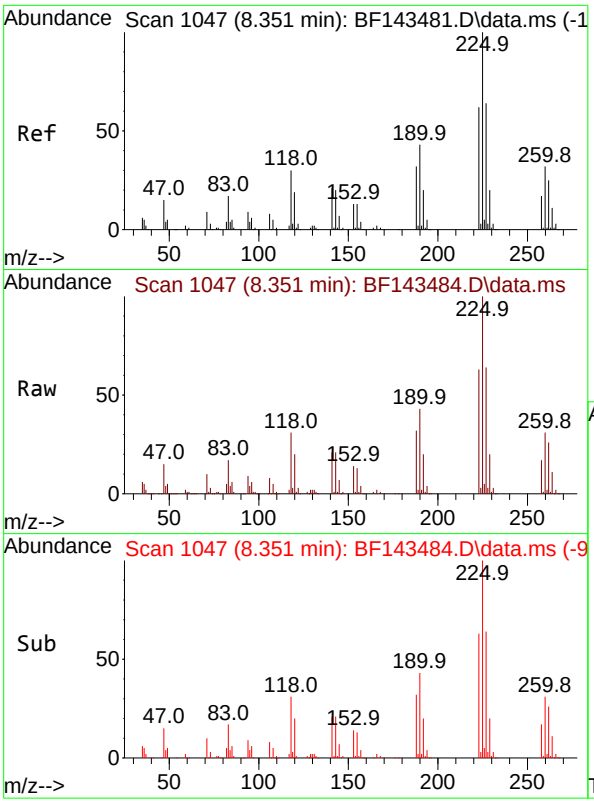


#33
4-Chloroaniline
Concen: 73.979 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:127 Resp: 593863

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	33.6	26.2	39.2
92	21.2	16.6	25.0



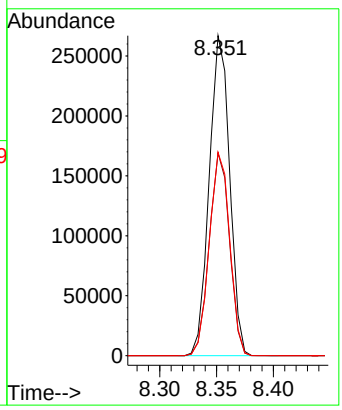


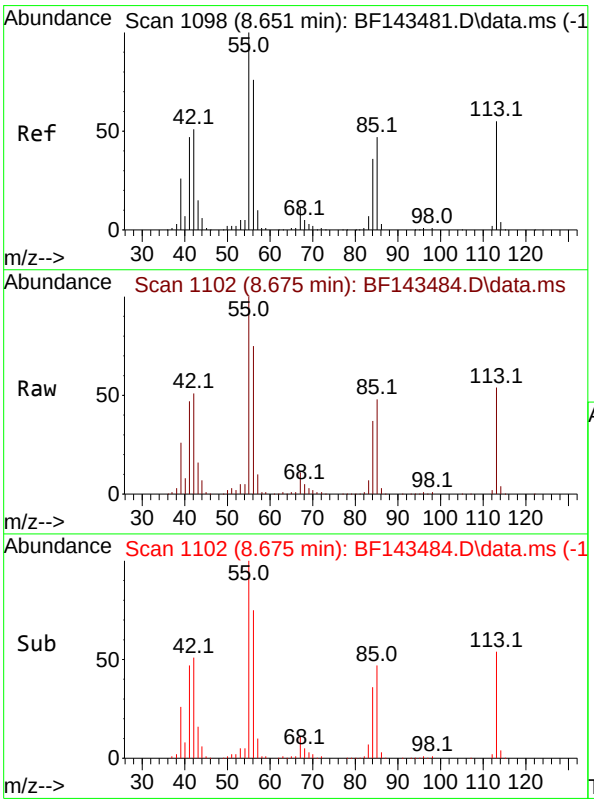
#34
Hexachlorobutadiene
Concen: 73.429 ng
RT: 8.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 333754

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	63.6	50.9	76.3

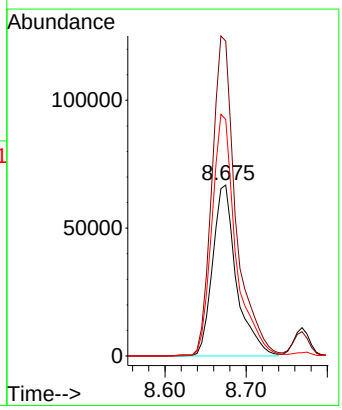


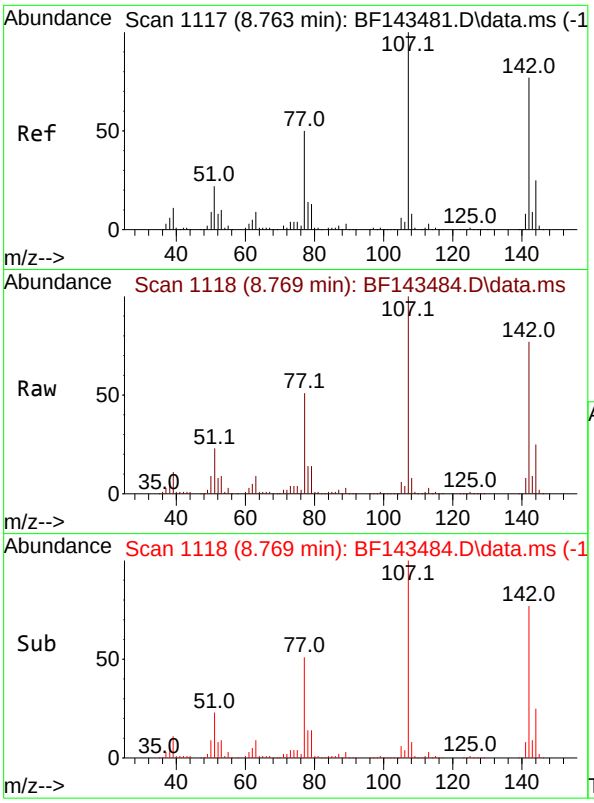


#35
Caprolactam
Concen: 83.868 ng
RT: 8.675 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:113 Resp: 136369

Ion	Ratio	Lower	Upper
113	100		
55	184.3	162.8	202.8
56	138.5	118.1	158.1



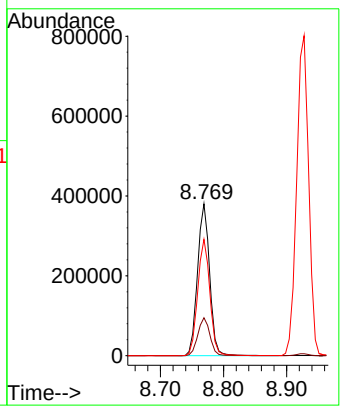


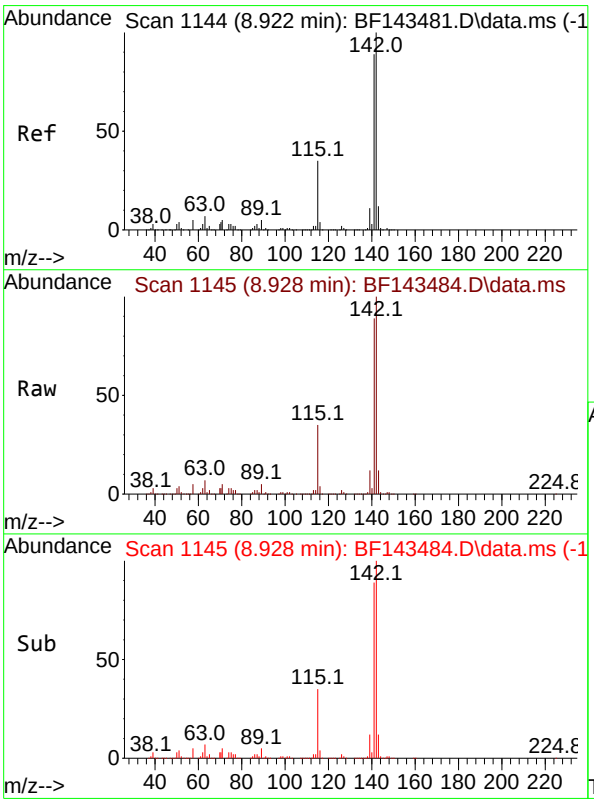
#36
4-Chloro-3-methylphenol
Concen: 74.756 ng
RT: 8.769 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 507643

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	76.6	61.8	92.8

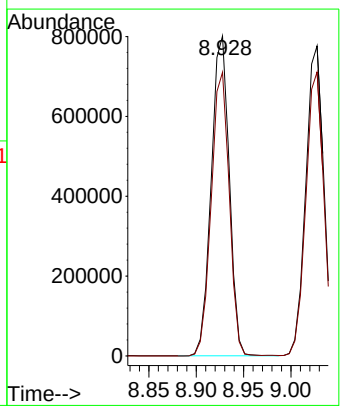


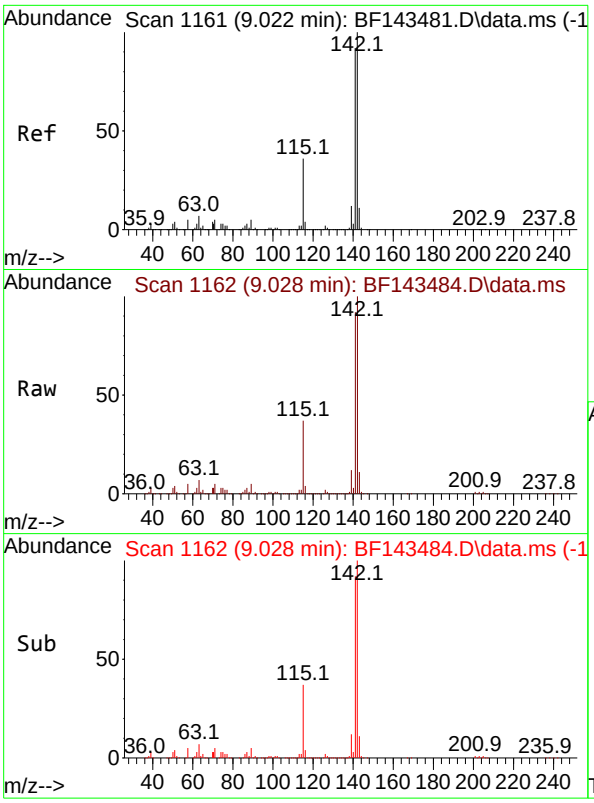


#37
2-Methylnaphthalene
Concen: 70.116 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:142 Resp: 1059150

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.4



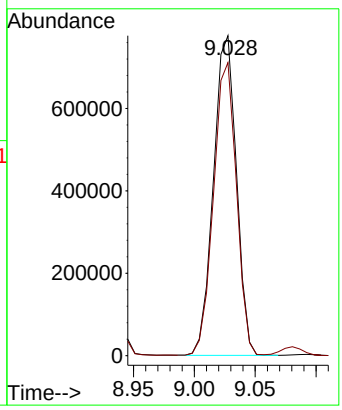


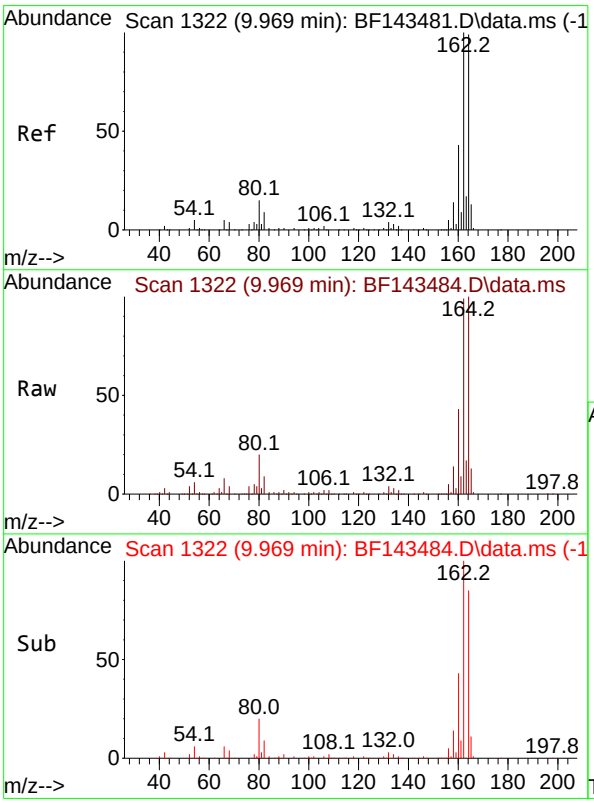
#38
1-Methylnaphthalene
Concen: 70.472 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1018285

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9

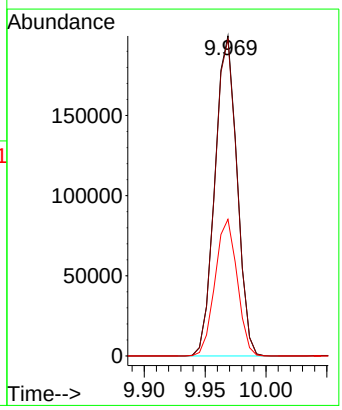


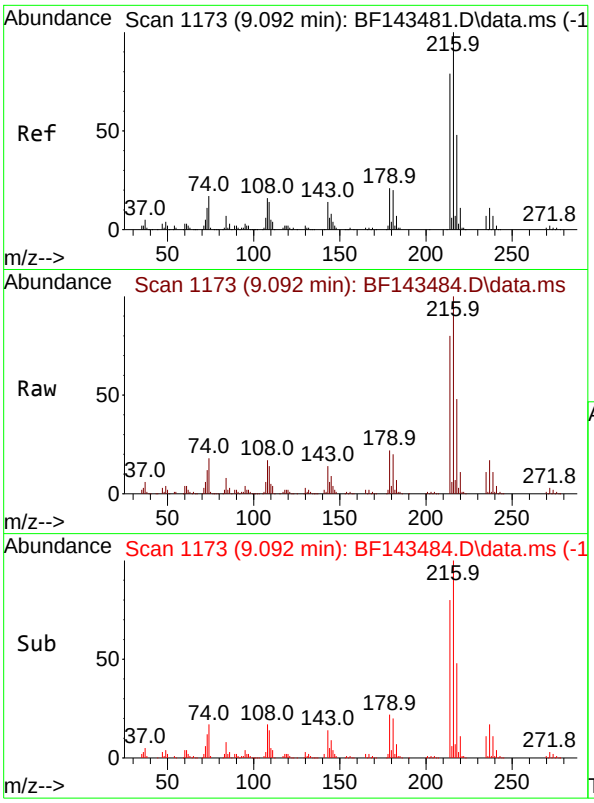


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:164 Resp: 252899

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.5	120.7
160	42.7	34.3	51.5



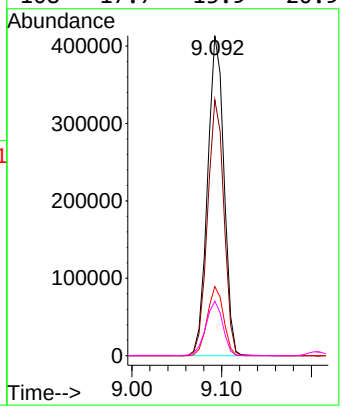


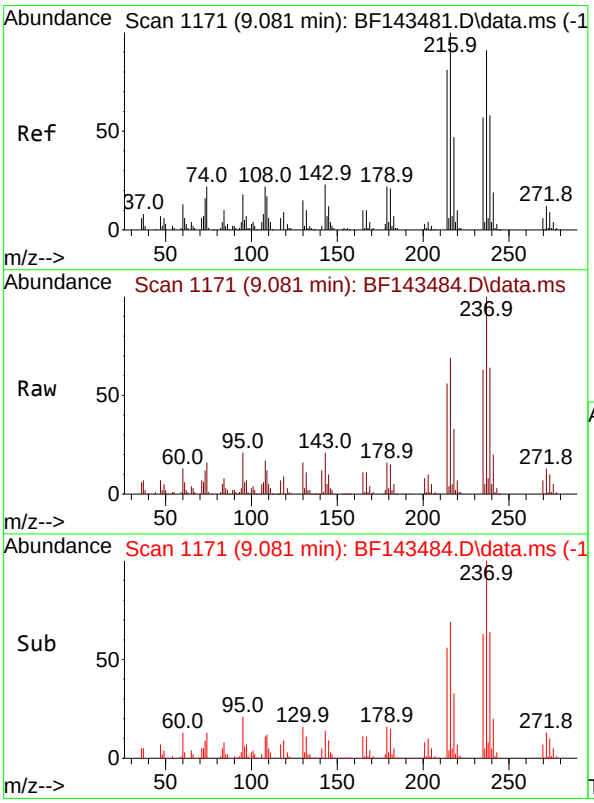
#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.341 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 523305

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.0
179	21.4	16.5	24.7
108	17.7	13.9	20.9

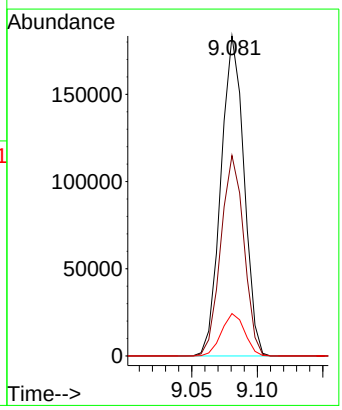


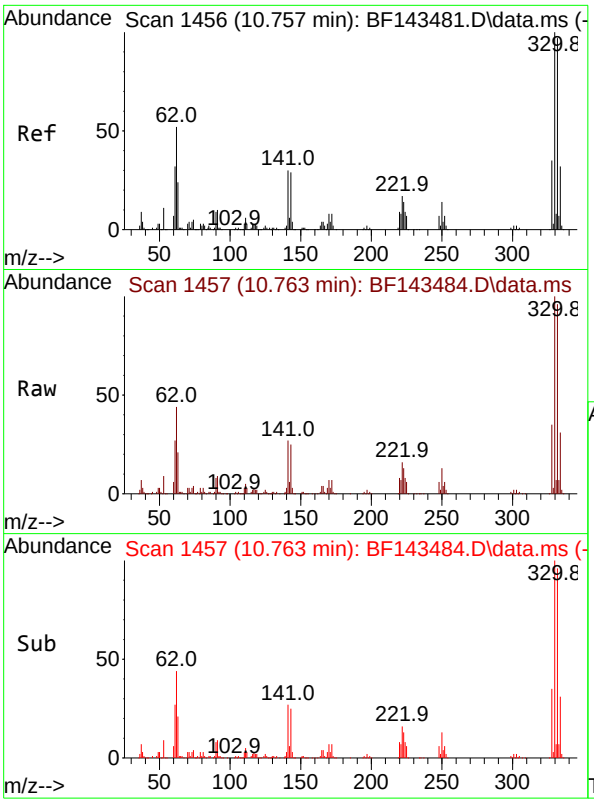


#41
Hexachlorocyclopentadiene
Concen: 79.823 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:237 Resp: 224318

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.6	82.6
272	13.3	0.0	33.4



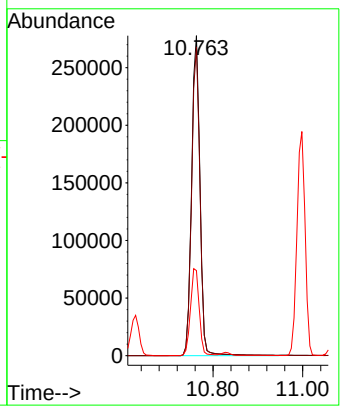


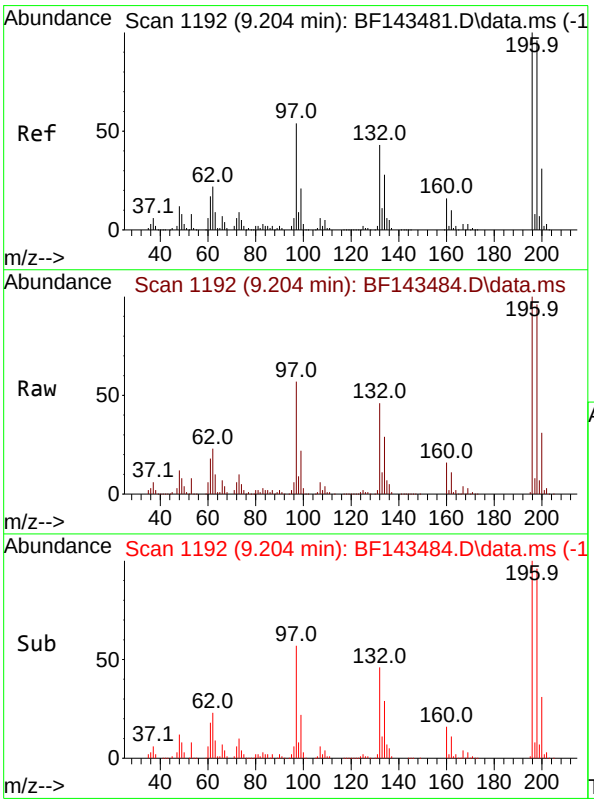
#42
2,4,6-Tribromophenol
Concen: 152.274 ng
RT: 10.763 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 358471

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	28.6	23.7	35.5

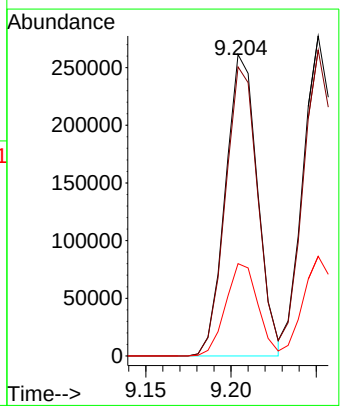


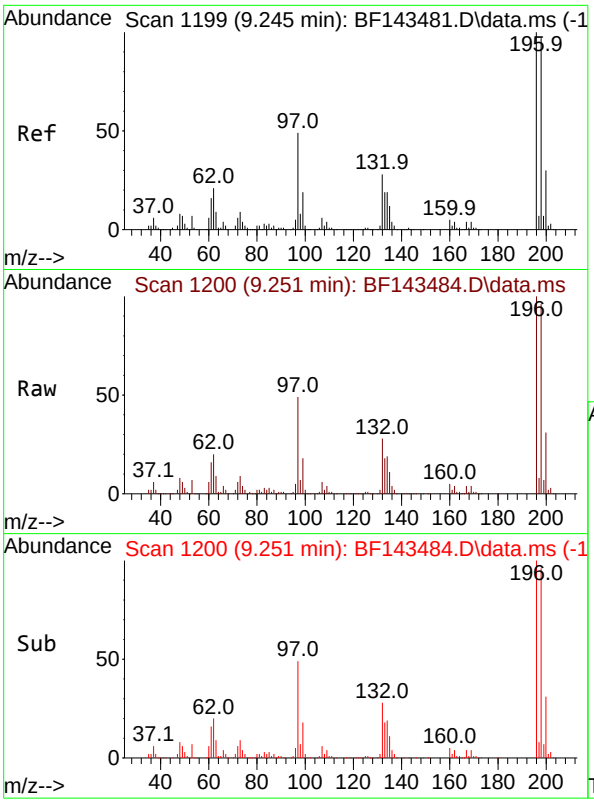


#43
2,4,6-Trichlorophenol
Concen: 76.993 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:196 Resp: 342710

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.0	115.4
200	30.6	24.6	37.0



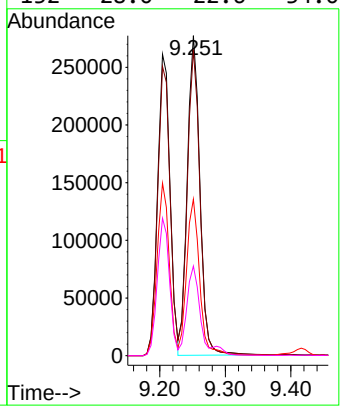


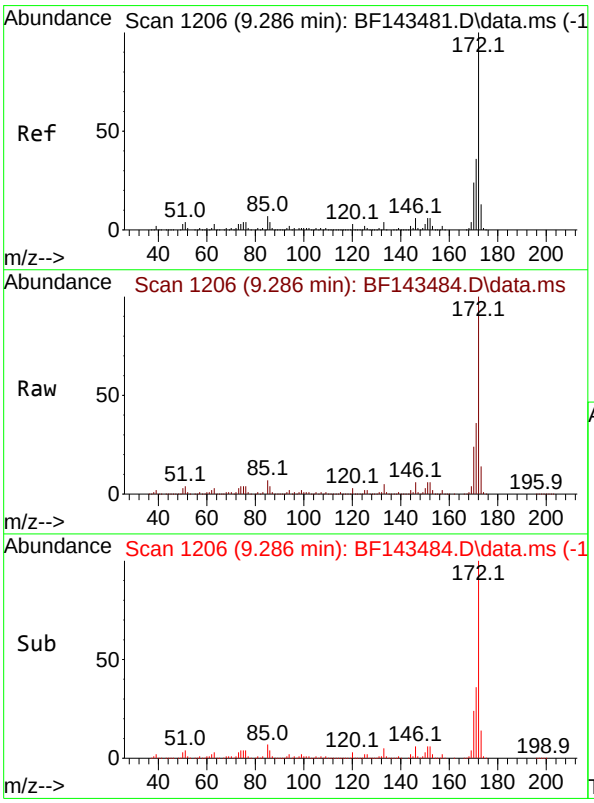
#44
2,4,5-Trichlorophenol
Concen: 75.999 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 369517

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
97	48.9	40.0	60.0
132	28.0	22.6	34.0

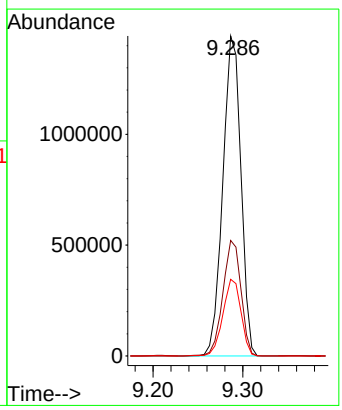


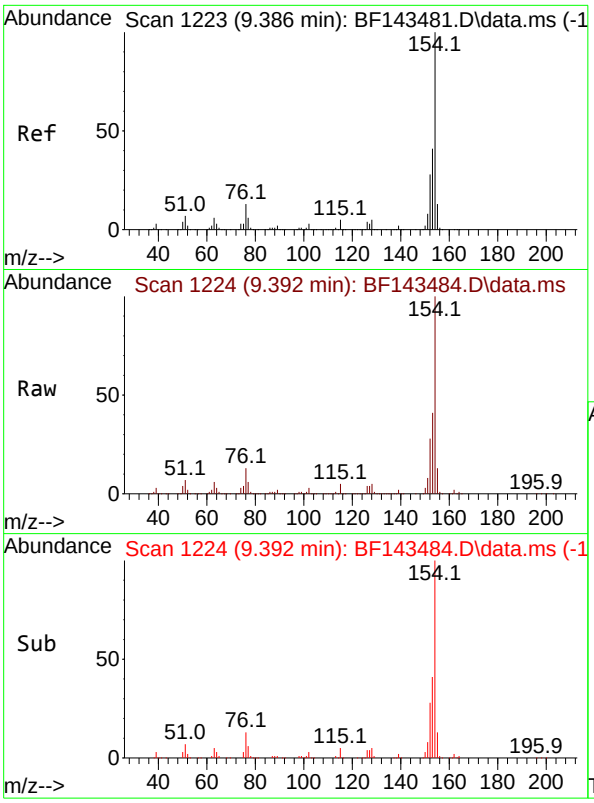


#45
2-Fluorobiphenyl
Concen: 132.140 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:172 Resp: 2022059

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	24.0	18.8	28.2



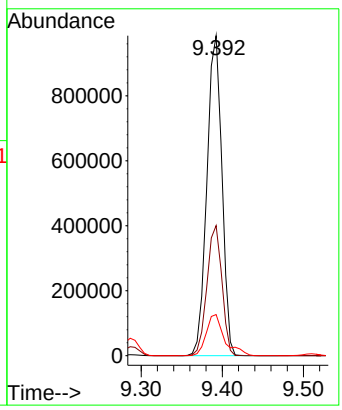


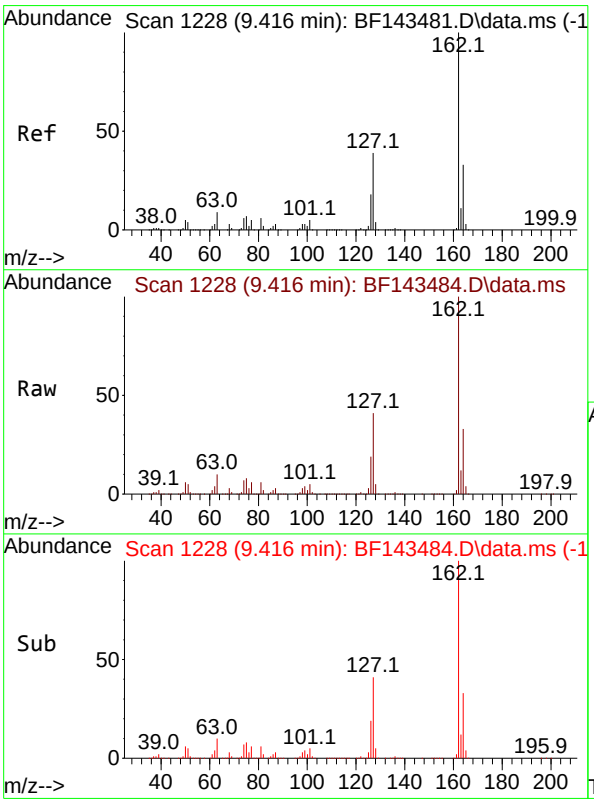
#46
1,1'-Biphenyl
Concen: 70.278 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1261514

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	12.8	0.0	33.0

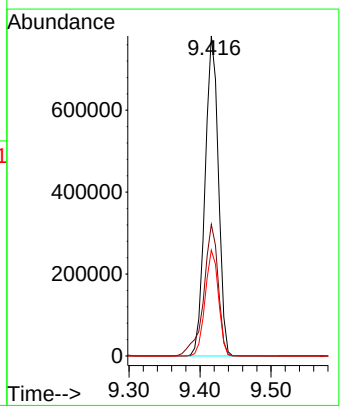


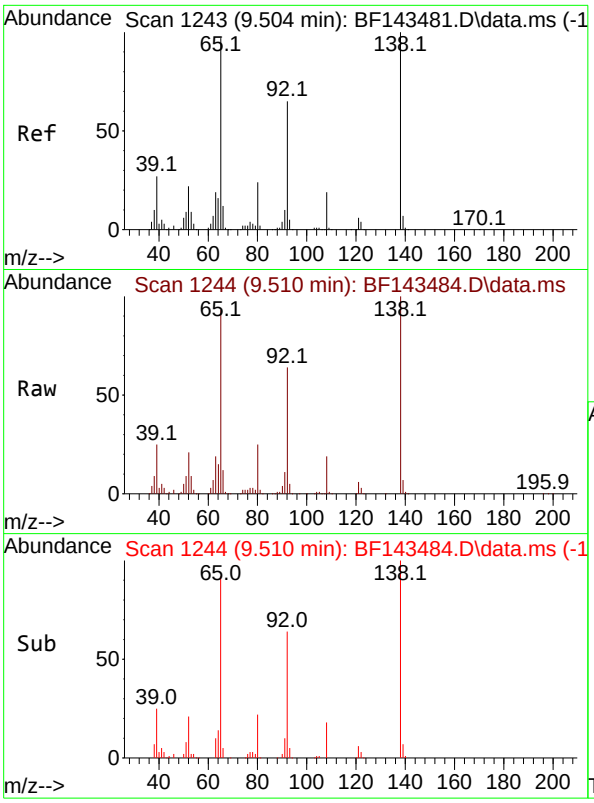


#47
2-Chloronaphthalene
Concen: 72.427 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:162 Resp: 1020070

Ion	Ratio	Lower	Upper
162	100		
127	41.1	31.8	47.6
164	33.1	26.4	39.6



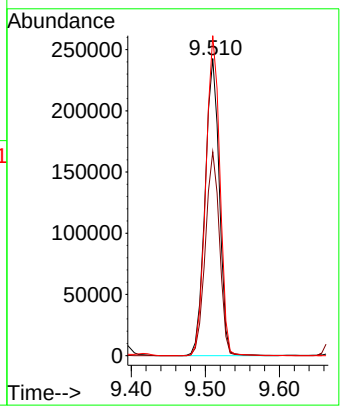


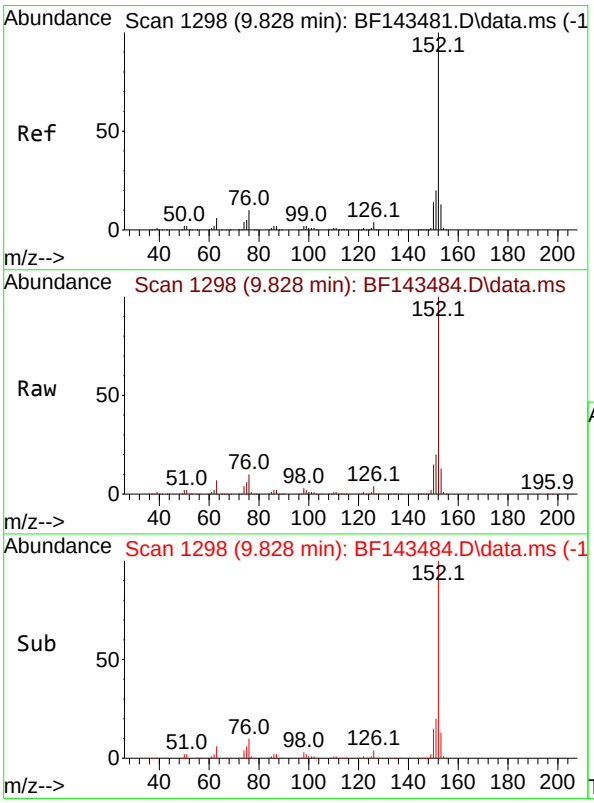
#48
2-Nitroaniline
Concen: 78.529 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 323688

Ion	Ratio	Lower	Upper
65	100		
92	68.6	53.8	80.6
138	107.7	82.4	123.6

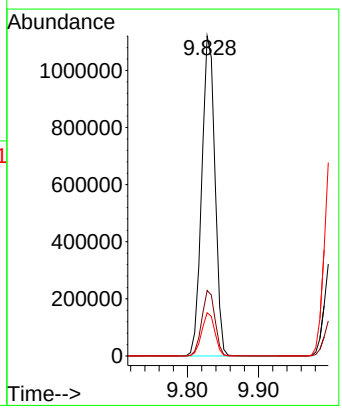


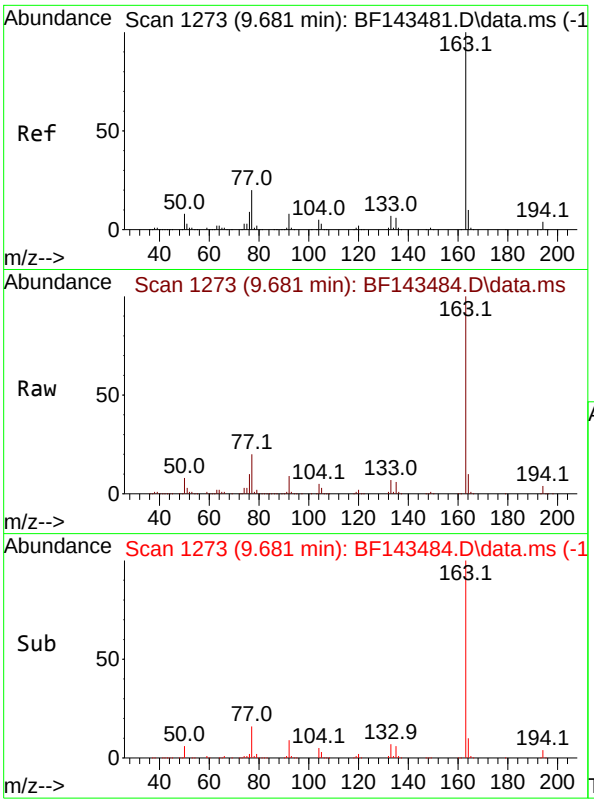


#49
Acenaphthylene
Concen: 72.067 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:152 Resp: 1453334

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	13.5	10.6	15.8



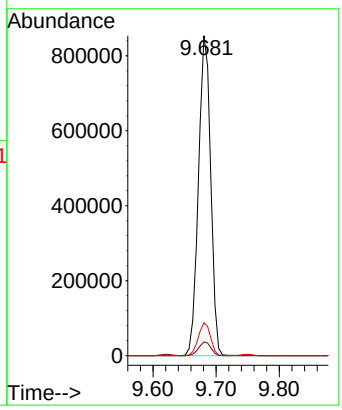


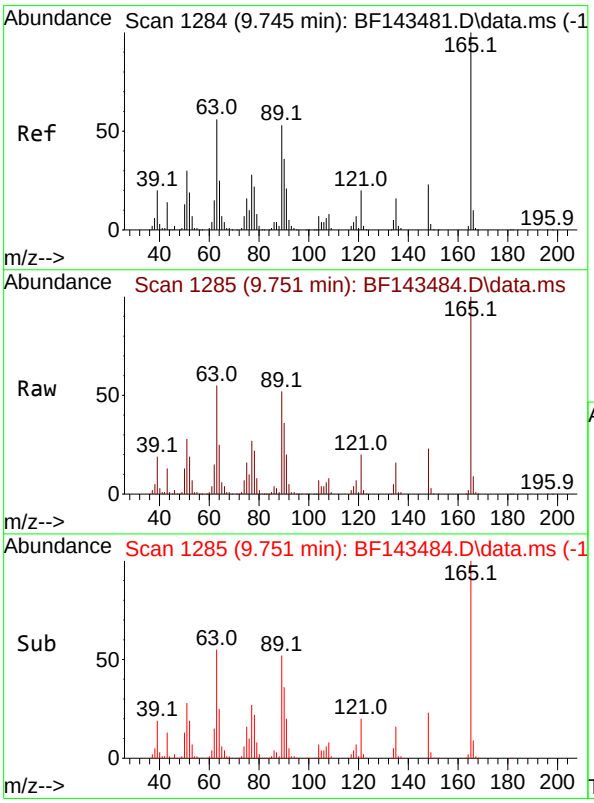
#50
Dimethylphthalate
Concen: 75.267 ng
RT: 9.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1146434

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.3	8.2	12.2

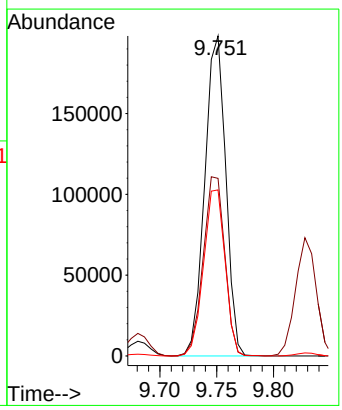


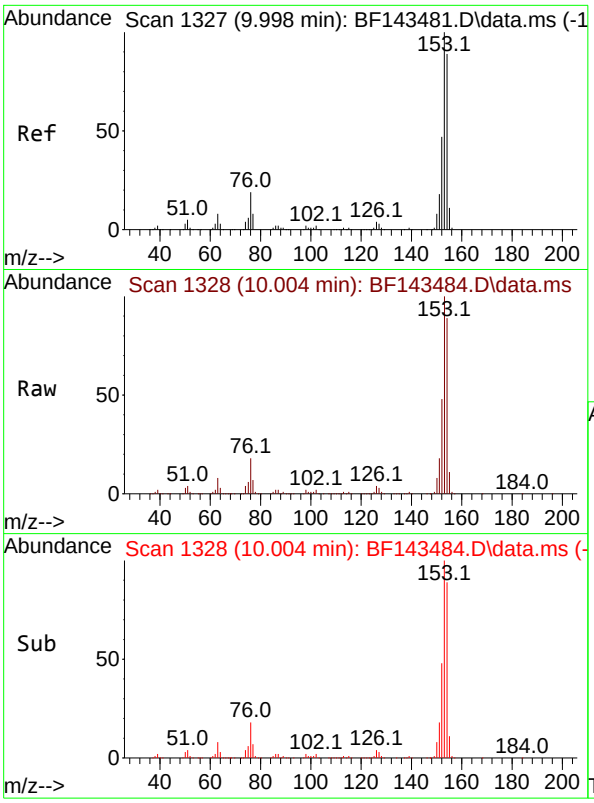


#51
2,6-Dinitrotoluene
Concen: 80.559 ng
RT: 9.751 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:165 Resp: 254308

Ion	Ratio	Lower	Upper
165	100		
63	55.5	45.0	67.6
89	51.9	42.5	63.7



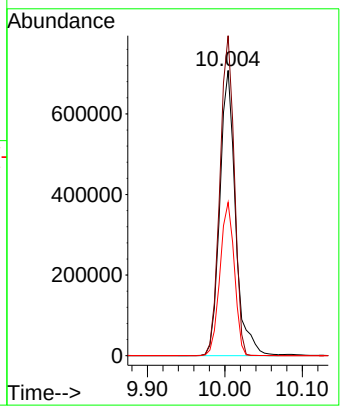


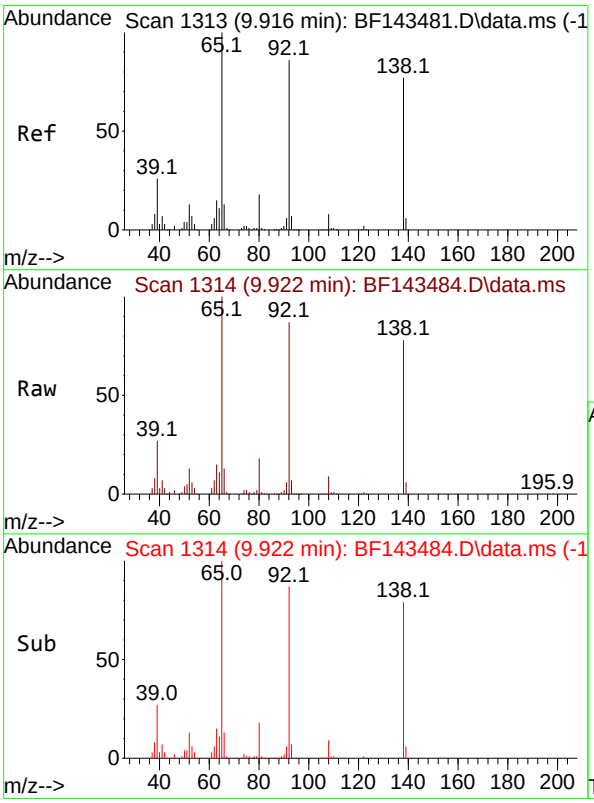
#52
Acenaphthene
Concen: 72.761 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 996259

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.5	134.3
152	53.7	42.5	63.7

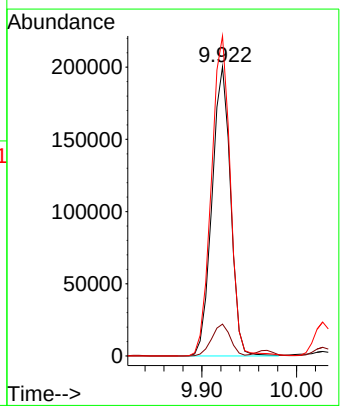


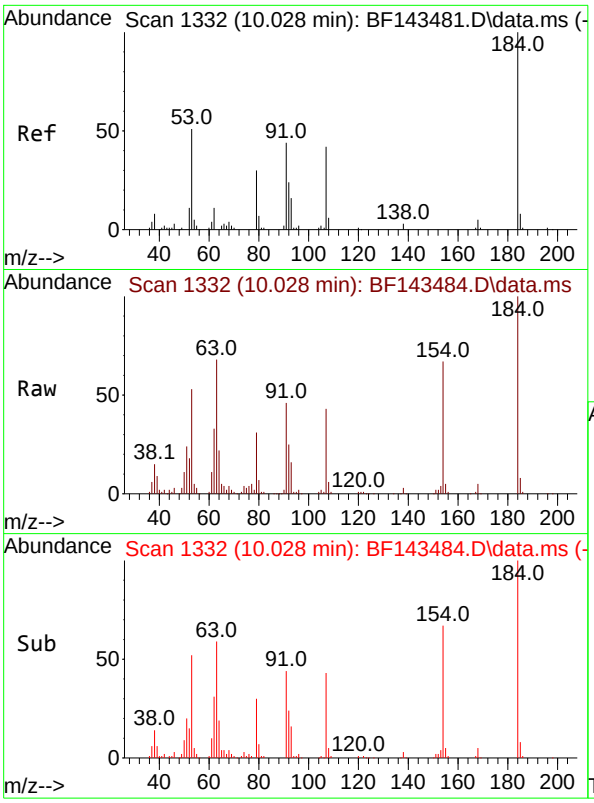


#53
3-Nitroaniline
Concen: 79.912 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:138 Resp: 272588

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	13.0
92	110.6	89.8	134.8



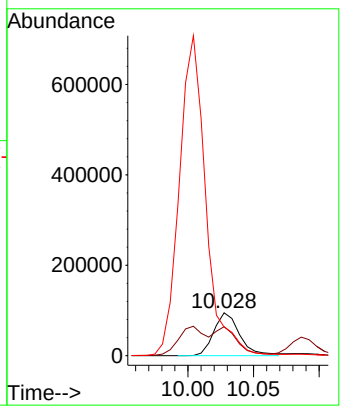


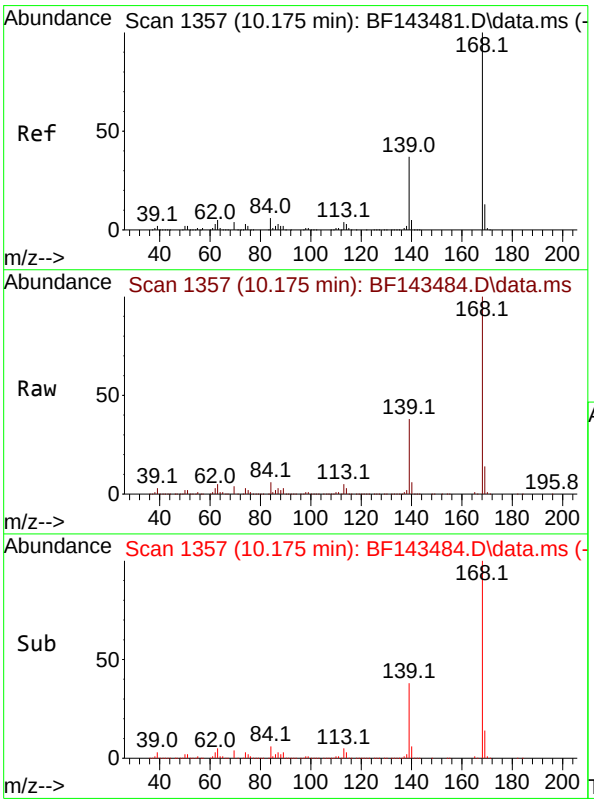
#54
2,4-Dinitrophenol
Concen: 77.416 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 130385

Ion	Ratio	Lower	Upper
184	100		
63	67.6	52.6	78.8
154	67.0	51.0	76.4

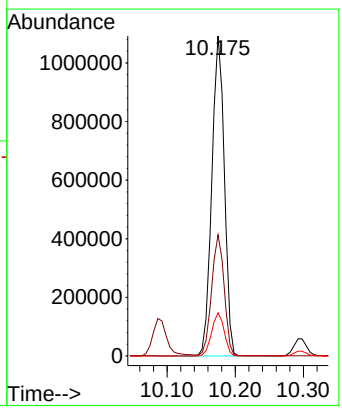


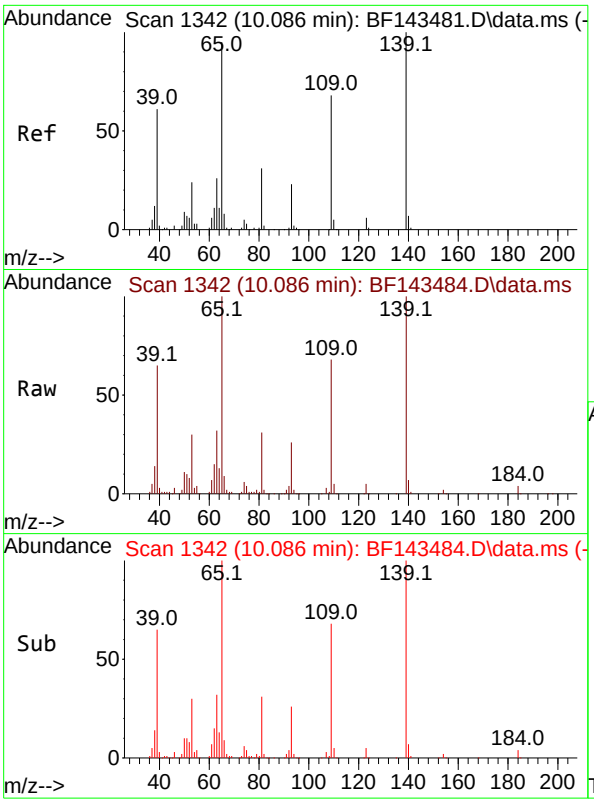


#55
Dibenzofuran
Concen: 71.547 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:168 Resp: 1396682

Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.8	44.6
169	13.5	10.8	16.2



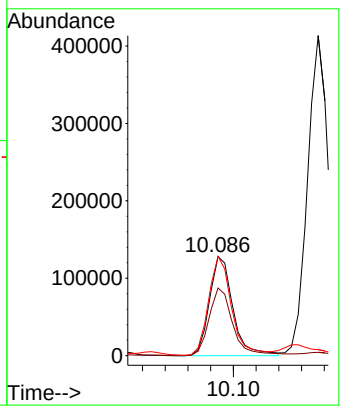


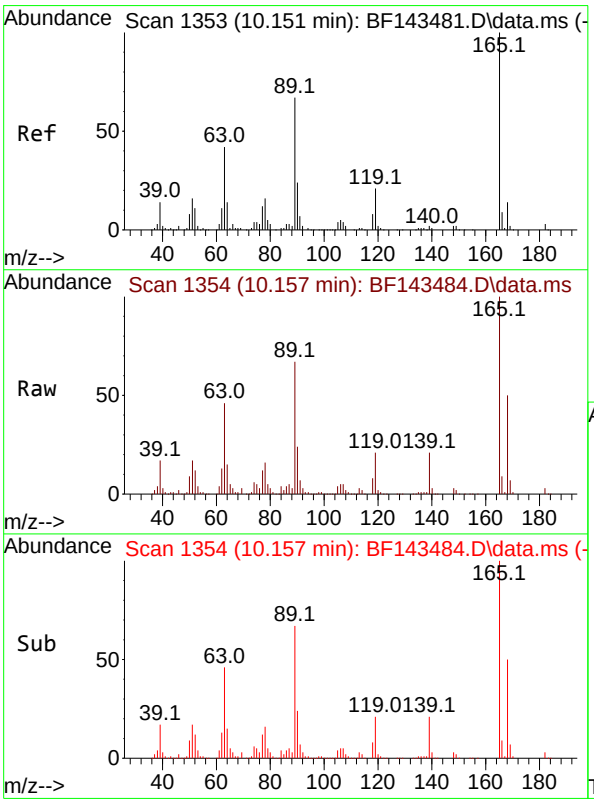
#56
4-Nitrophenol
Concen: 90.356 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 183388

Ion	Ratio	Lower	Upper
139	100		
109	68.3	48.2	88.2
65	100.2	75.8	115.8

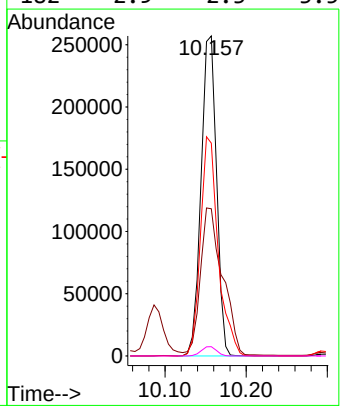


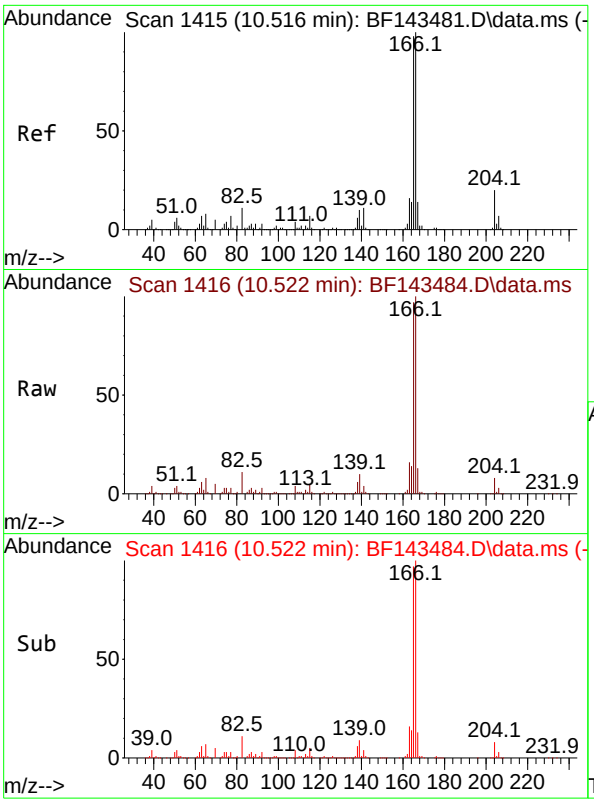


#57
2,4-Dinitrotoluene
Concen: 80.619 ng
RT: 10.157 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:165 Resp: 339818

Ion	Ratio	Lower	Upper
165	100		
63	46.0	34.9	52.3
89	66.5	53.3	79.9
182	2.9	2.3	3.5



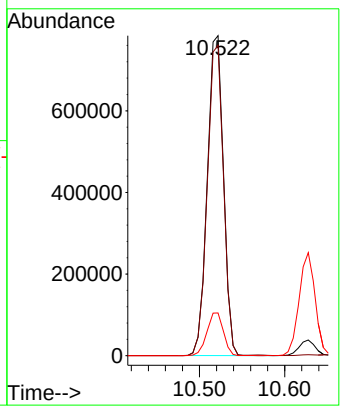


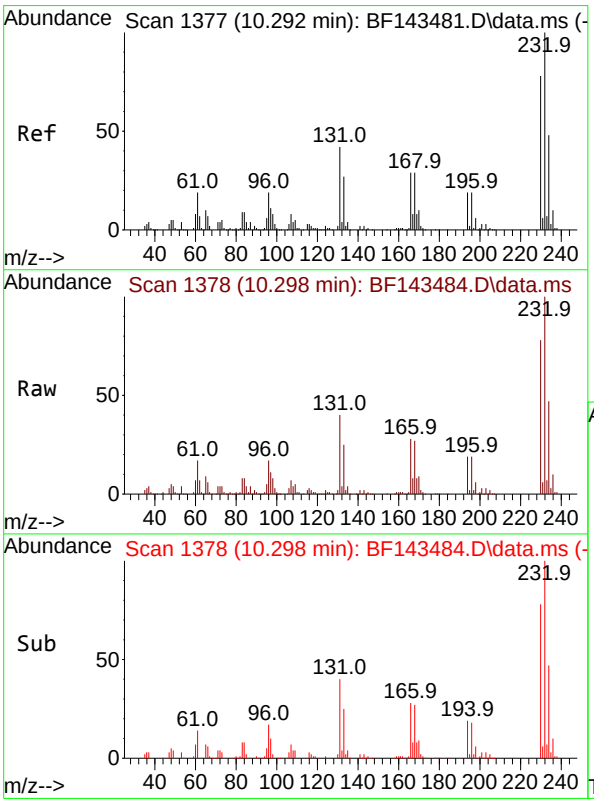
#58
Fluorene
Concen: 68.995 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 1036620

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.3	117.5
167	13.3	11.0	16.4

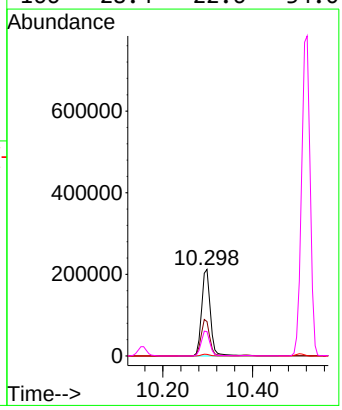


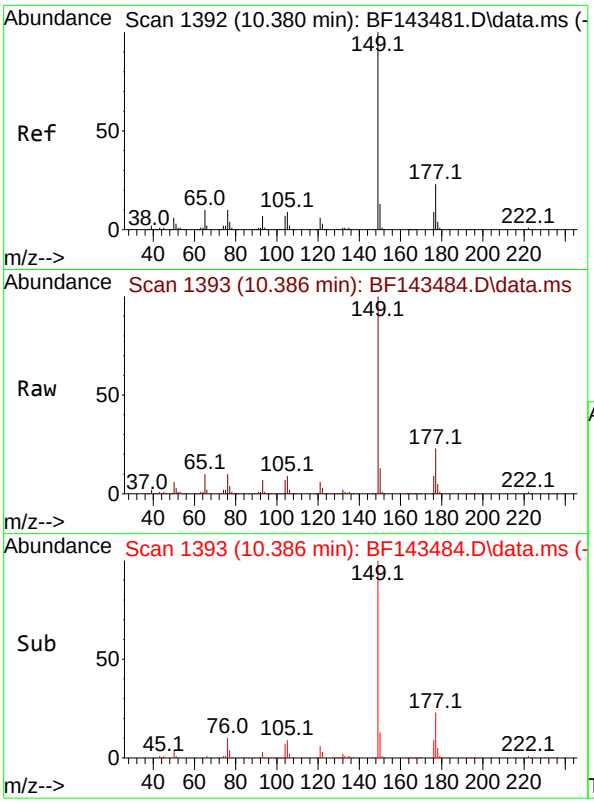


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.607 ng
RT: 10.298 min Scan# 1378
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:232 Resp: 291172

Ion	Ratio	Lower	Upper
232	100		
131	41.1	32.7	49.1
130	1.9	1.6	2.4
166	28.4	22.6	34.0



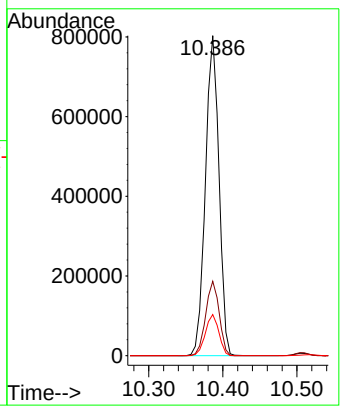


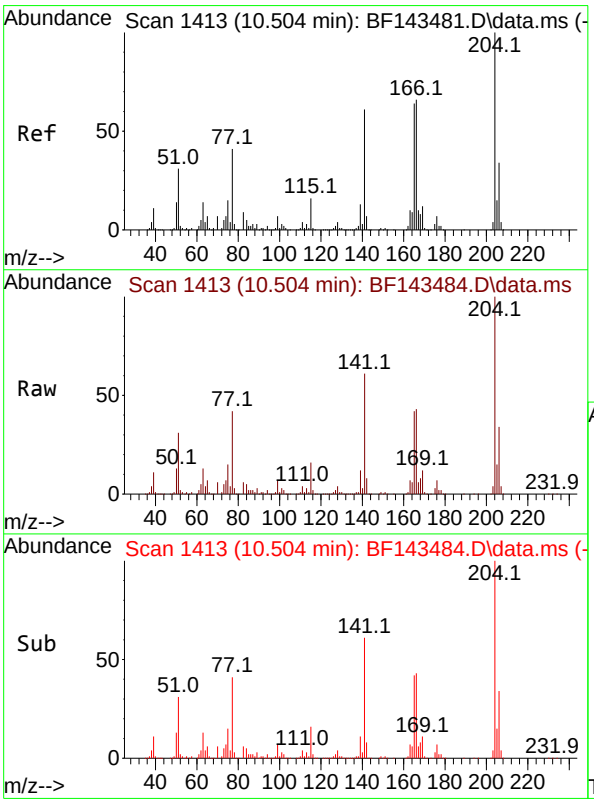
#60
Diethylphthalate
Concen: 74.653 ng
RT: 10.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1019464

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.9	10.3	15.5

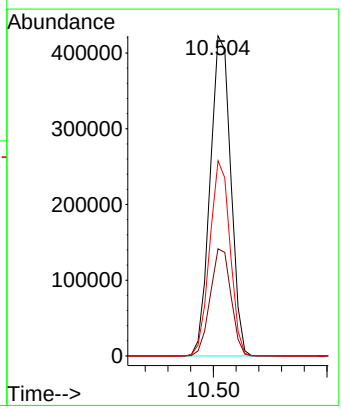


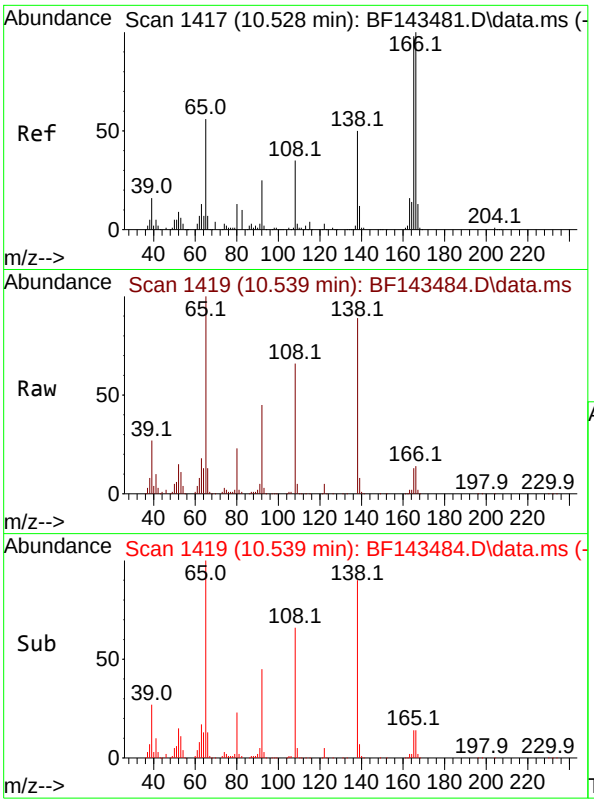


#61
4-Chlorophenyl-phenylether
Concen: 70.930 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:204 Resp: 532970

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.0	40.4
141	61.0	48.7	73.1



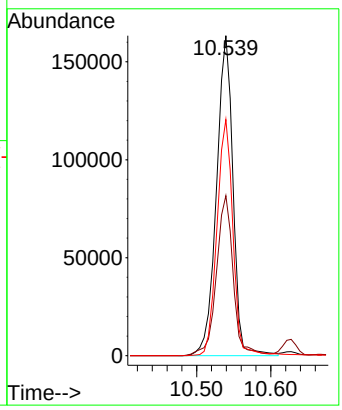


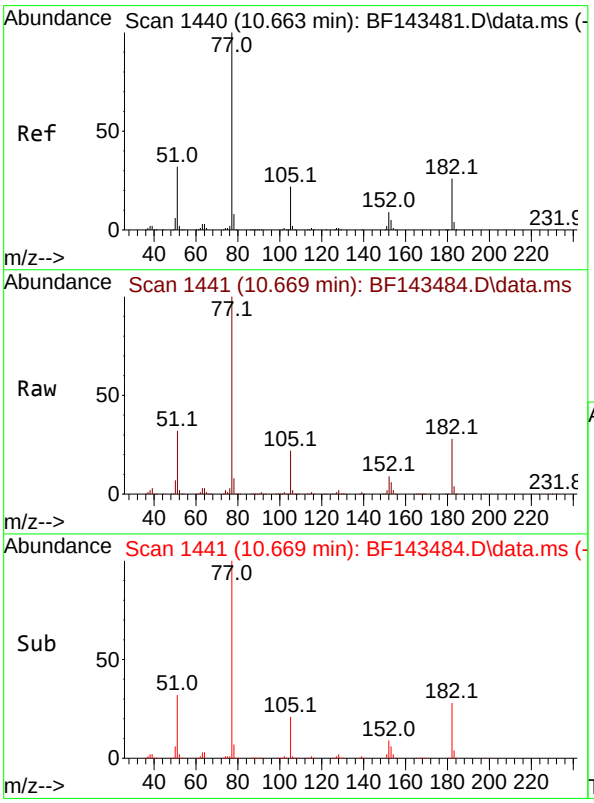
#62
4-Nitroaniline
Concen: 80.815 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 253207

Ion	Ratio	Lower	Upper
138	100		
92	50.0	29.3	69.3
108	73.8	50.7	90.7

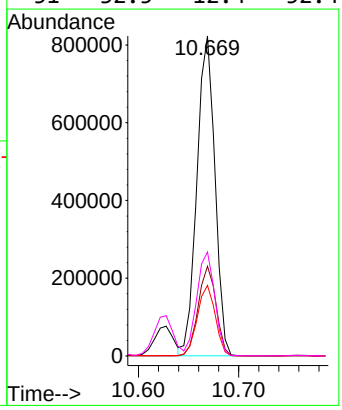


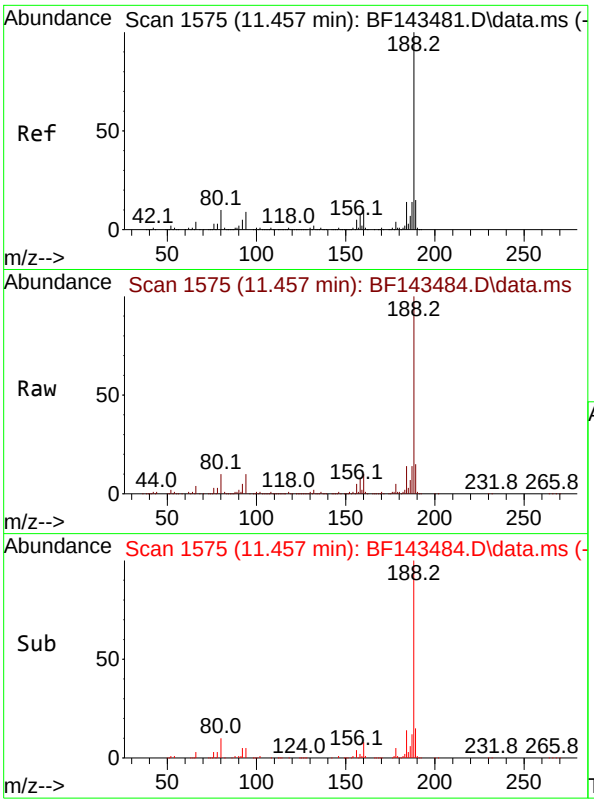


#63
Azobenzene
Concen: 72.699 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion: 77 Resp: 1029397

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.2	46.2
105	22.0	2.2	42.2
51	32.5	12.4	52.4



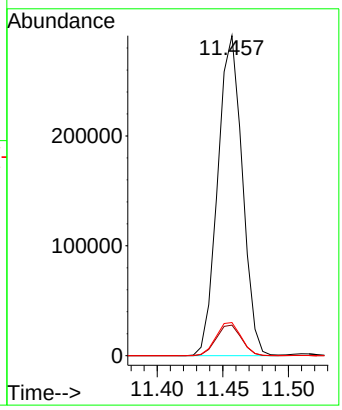


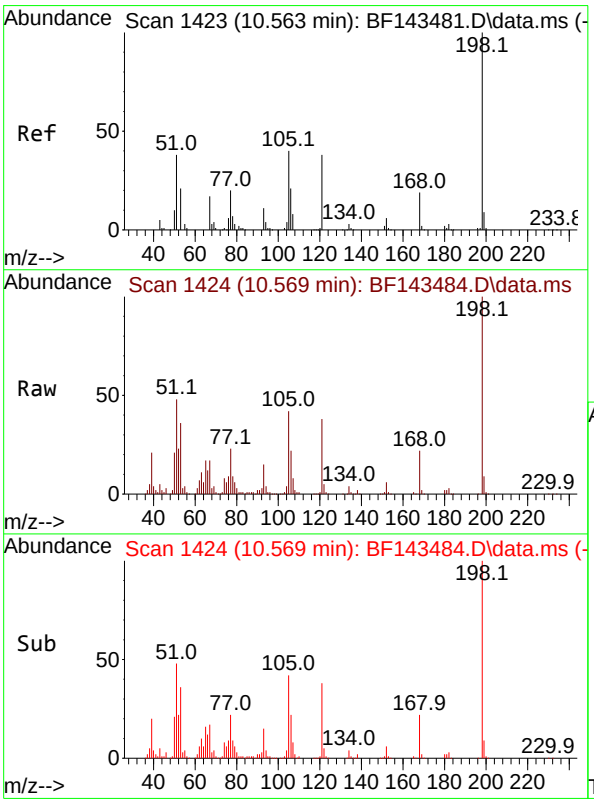
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 380140

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.3	8.2	12.4

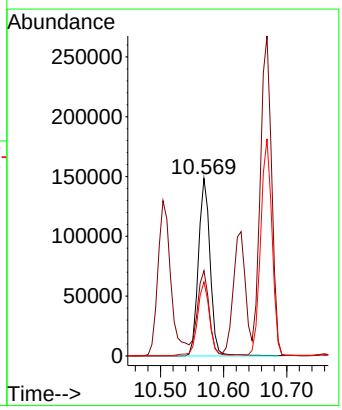


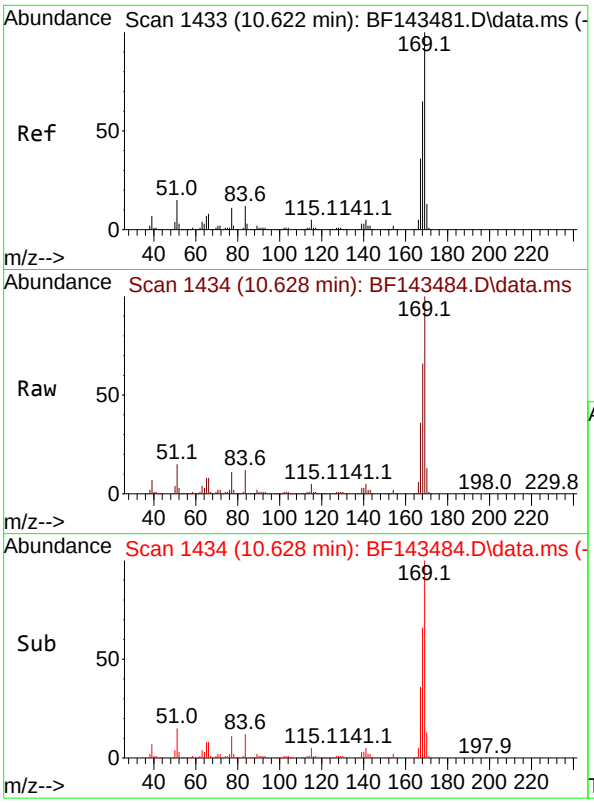


#65
4,6-Dinitro-2-methylphenol
Concen: 89.041 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:198 Resp: 190849

Ion	Ratio	Lower	Upper
198	100		
51	48.1	29.6	69.6
105	41.7	21.5	61.5



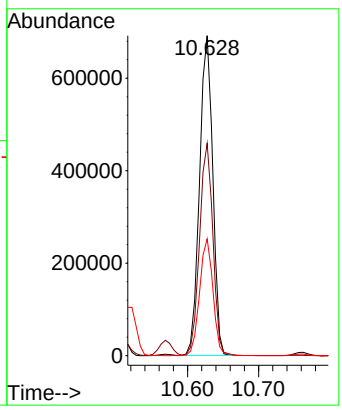


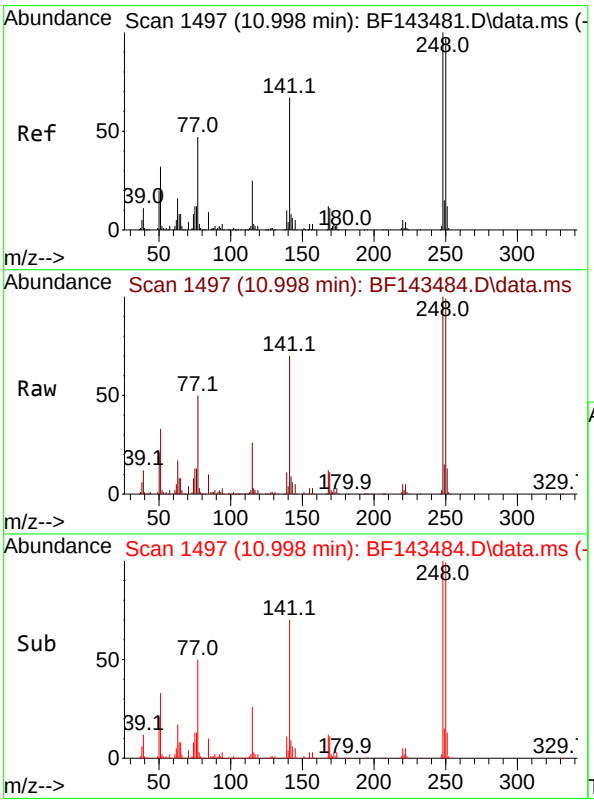
#66
n-Nitrosodiphenylamine
Concen: 73.307 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 896806

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.5	28.9	43.3

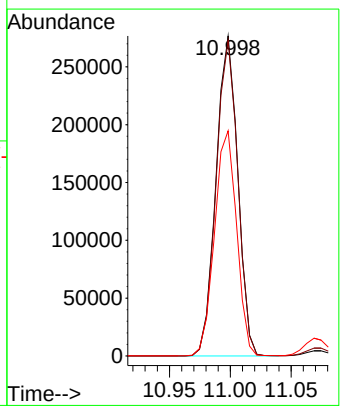


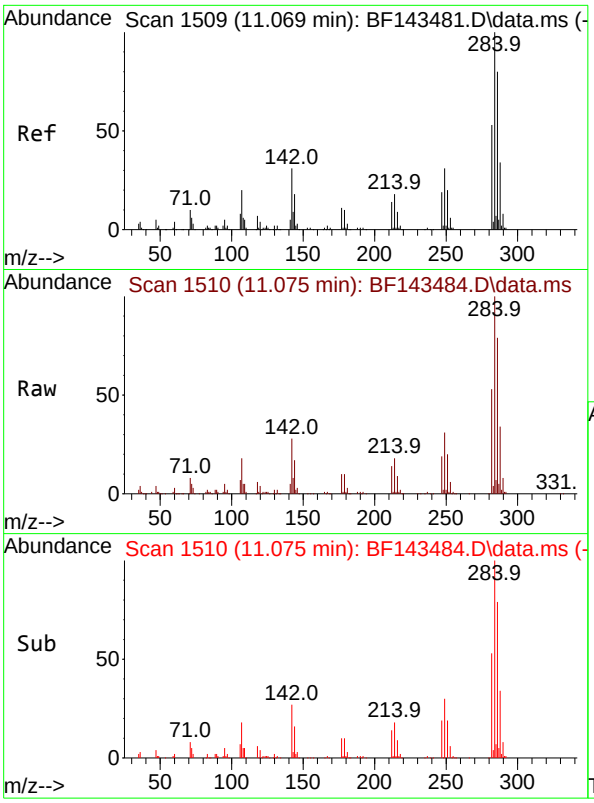


#67
4-Bromophenyl-phenylether
Concen: 75.979 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:248 Resp: 344616

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.8	116.8
141	70.4	54.0	81.0



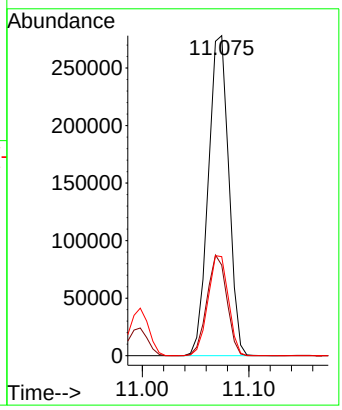


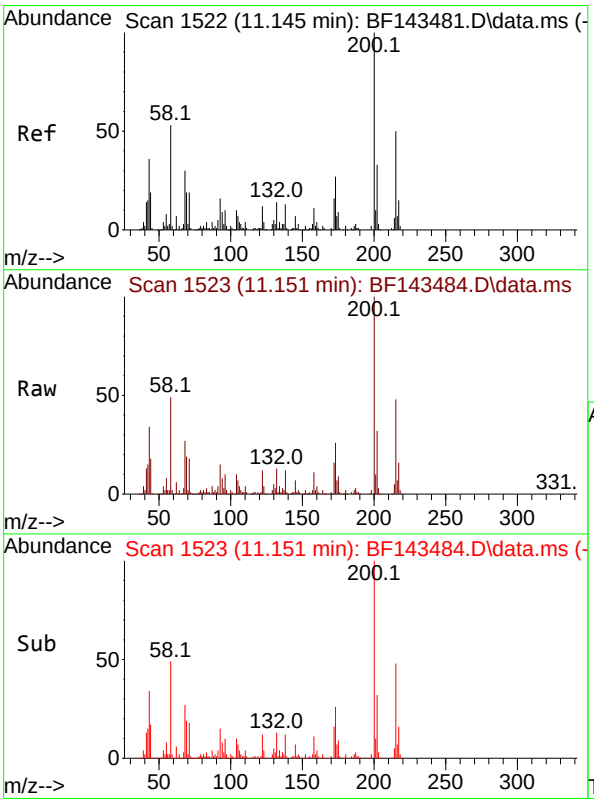
#68
Hexachlorobenzene
Concen: 75.603 ng
RT: 11.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 369632

Ion	Ratio	Lower	Upper
284	100		
142	28.3	24.4	36.6
249	31.0	25.0	37.6

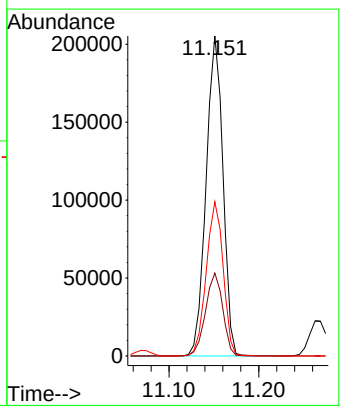


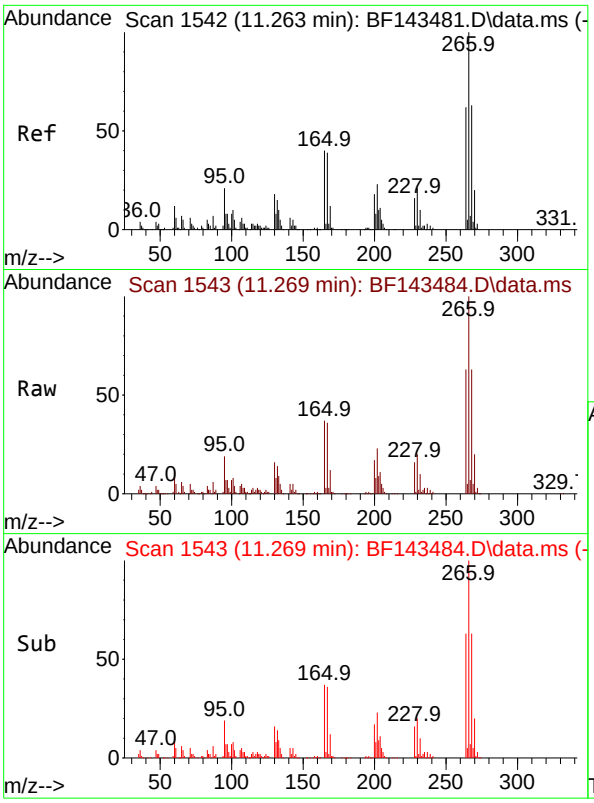


#69
Atrazine
Concen: 84.774 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:200 Resp: 267710

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.9	46.9
215	48.2	30.0	70.0



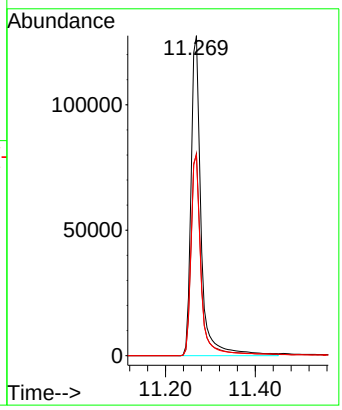


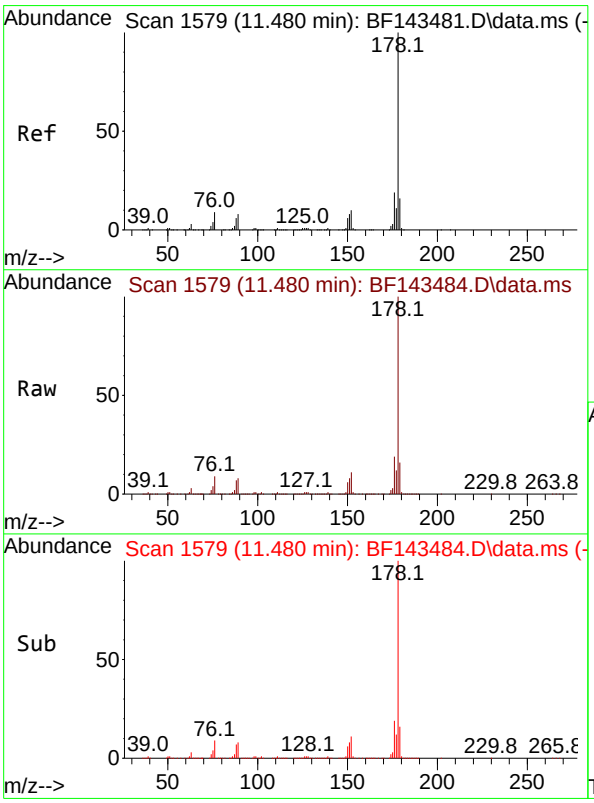
#70
Pentachlorophenol
Concen: 88.721 ng
RT: 11.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 198658

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.5	75.7
264	62.7	49.8	74.8

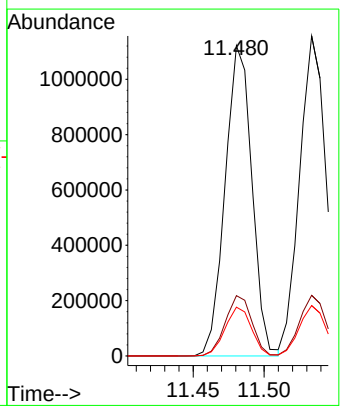


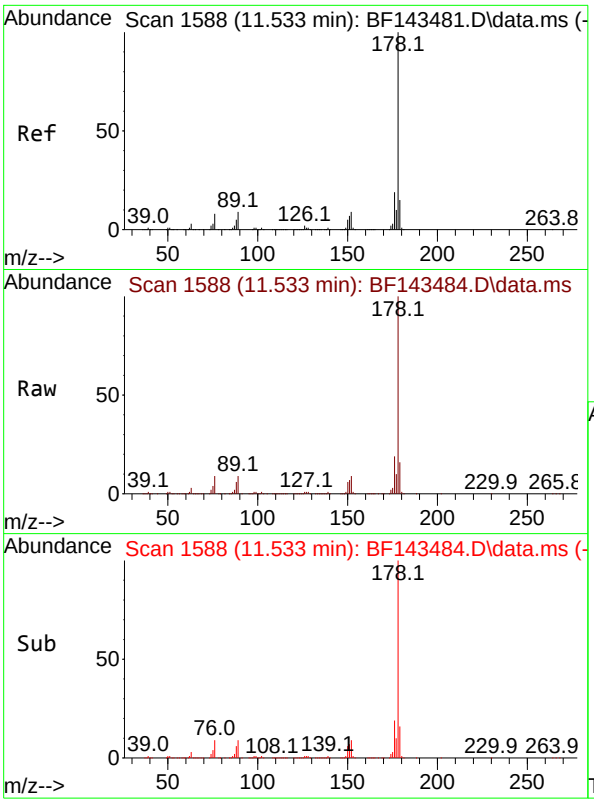


#71
Phenanthrene
Concen: 72.378 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:178 Resp: 1473414

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.5	18.7



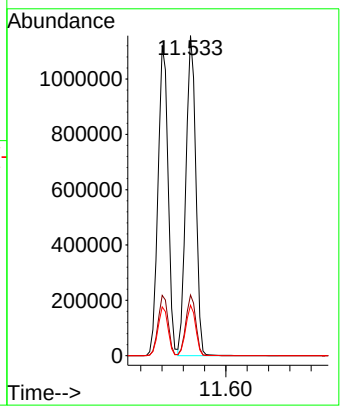


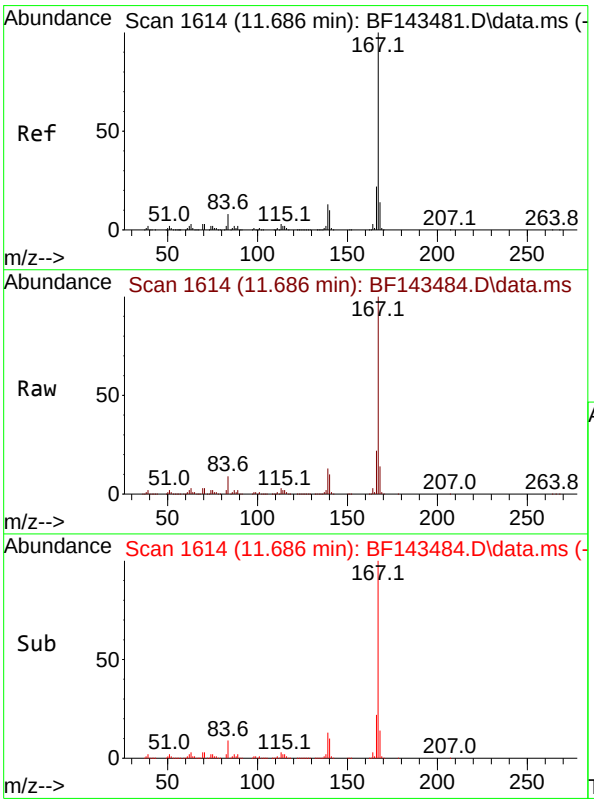
#72
Anthracene
Concen: 72.232 ng
RT: 11.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1489612

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.7	12.3	18.5

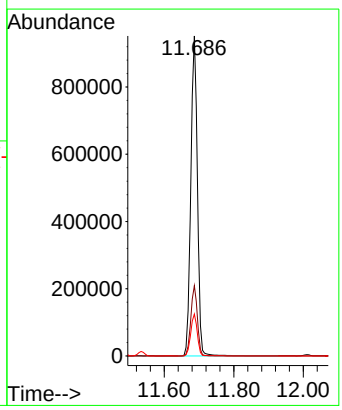


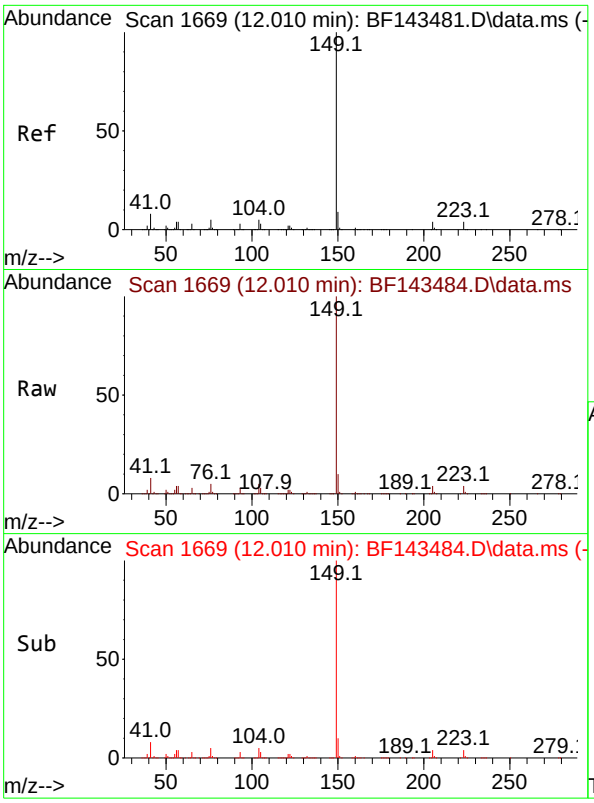


#73
Carbazole
Concen: 74.240 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:167 Resp: 1254509

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.1	10.0	15.0



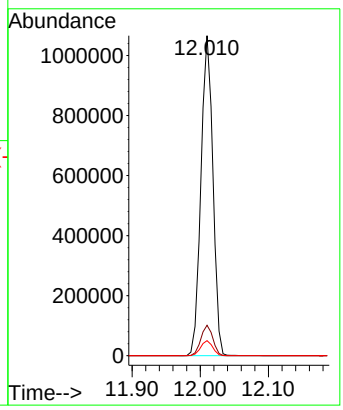


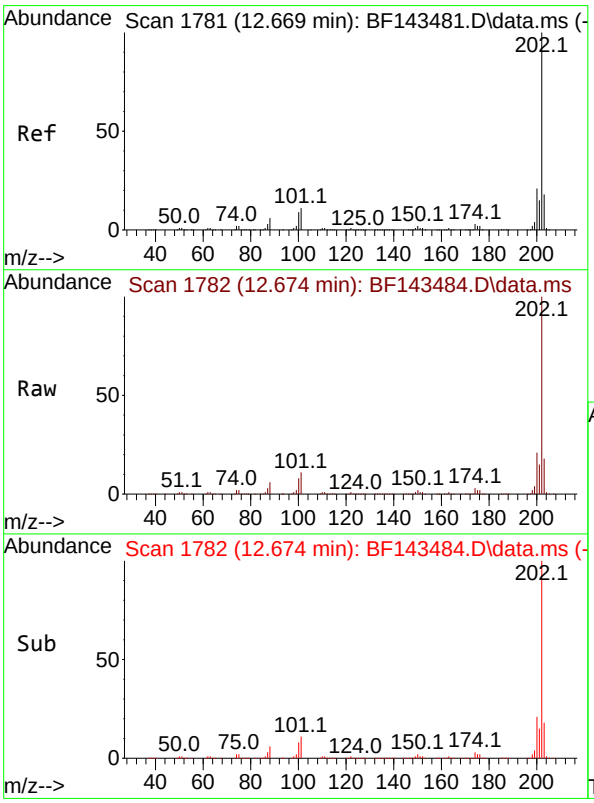
#74
Di-n-butylphthalate
Concen: 82.429 ng
RT: 12.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1299399

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	4.7	3.6	5.4

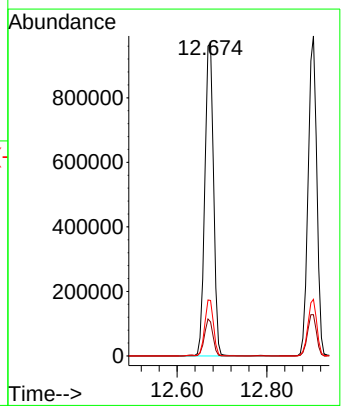


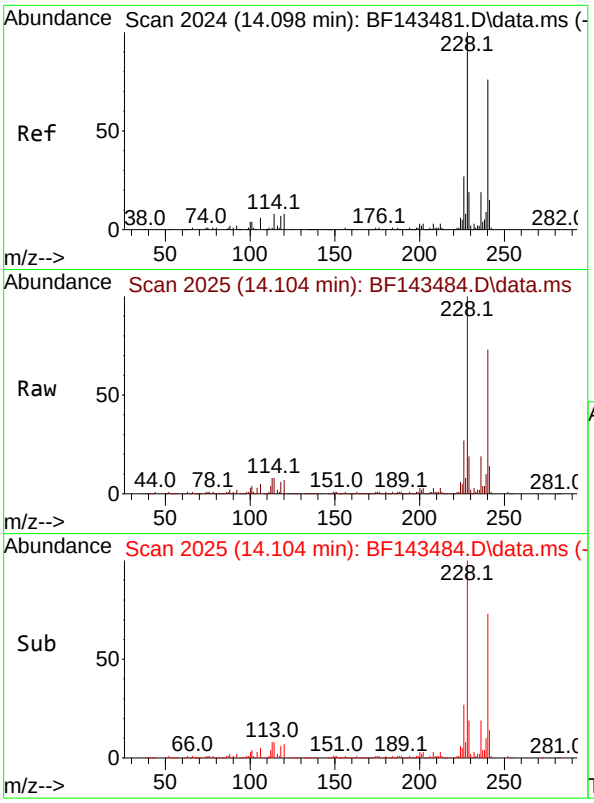


#75
Fluoranthene
Concen: 71.750 ng
RT: 12.674 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:202 Resp: 1310616

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.3
203	17.8	0.0	37.9



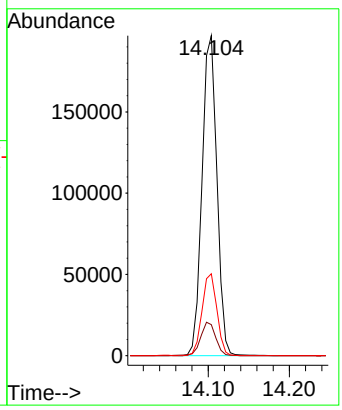


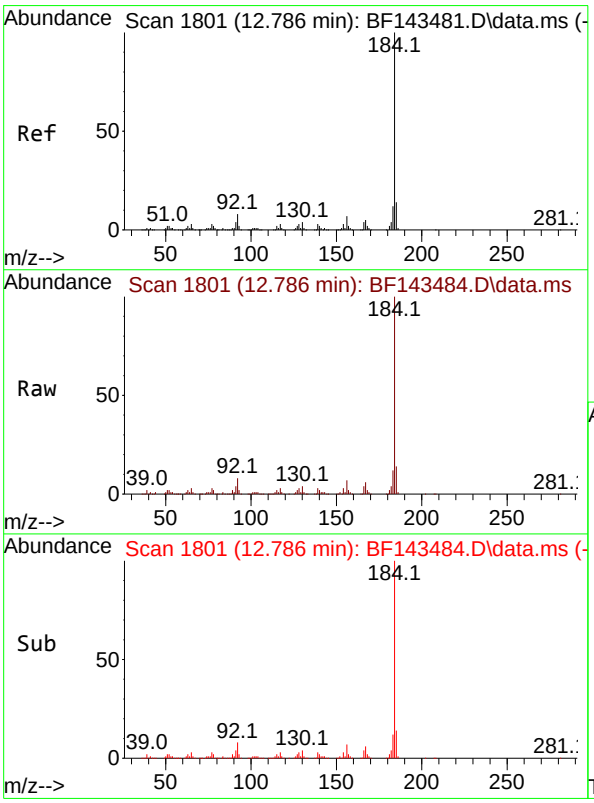
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 250059

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	12.8
236	25.6	20.4	30.6

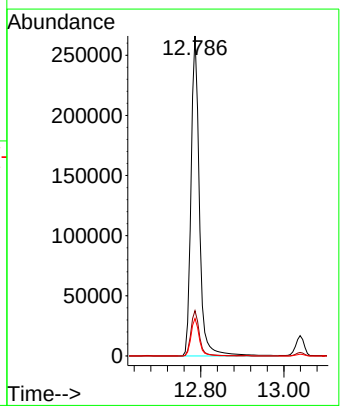


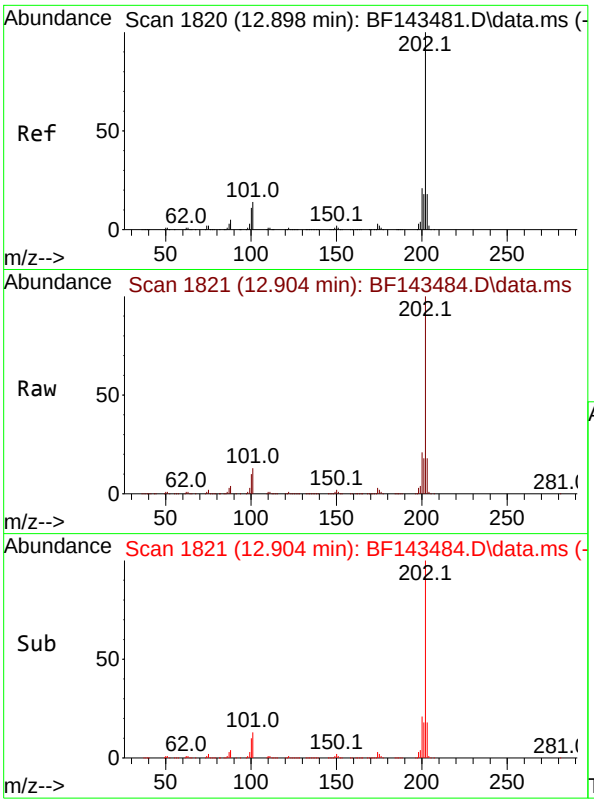


#77
Benzidine
Concen: 61.042 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:184 Resp: 371810

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	11.7	9.5	14.3



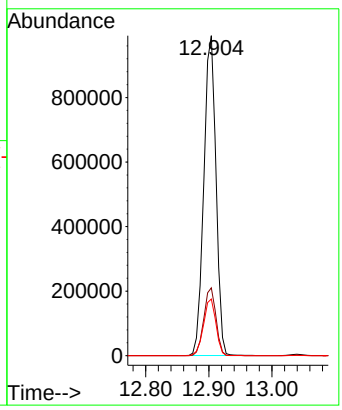


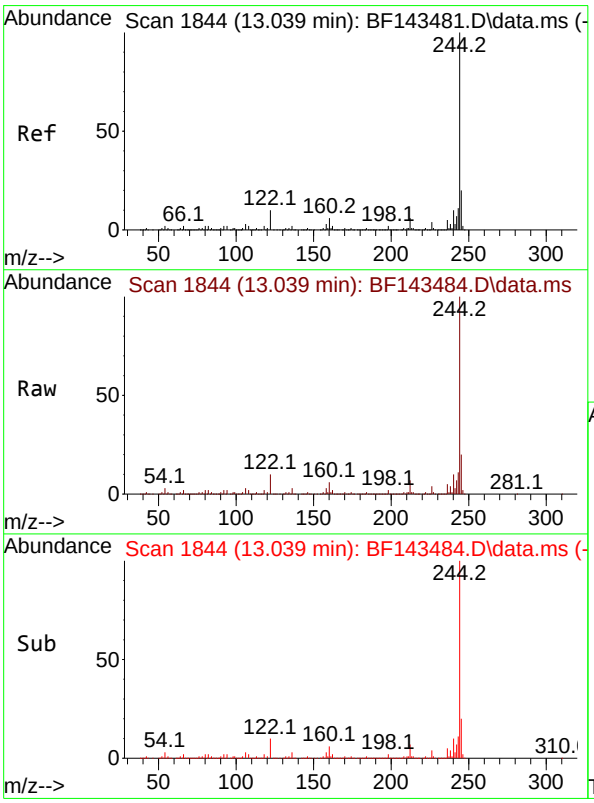
#78
Pyrene
Concen: 64.536 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1327454

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

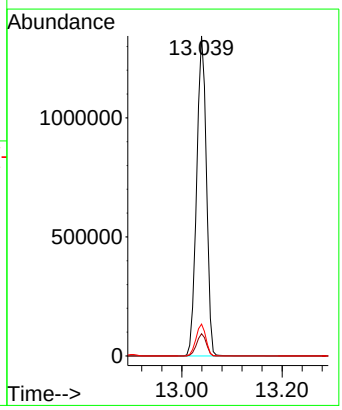


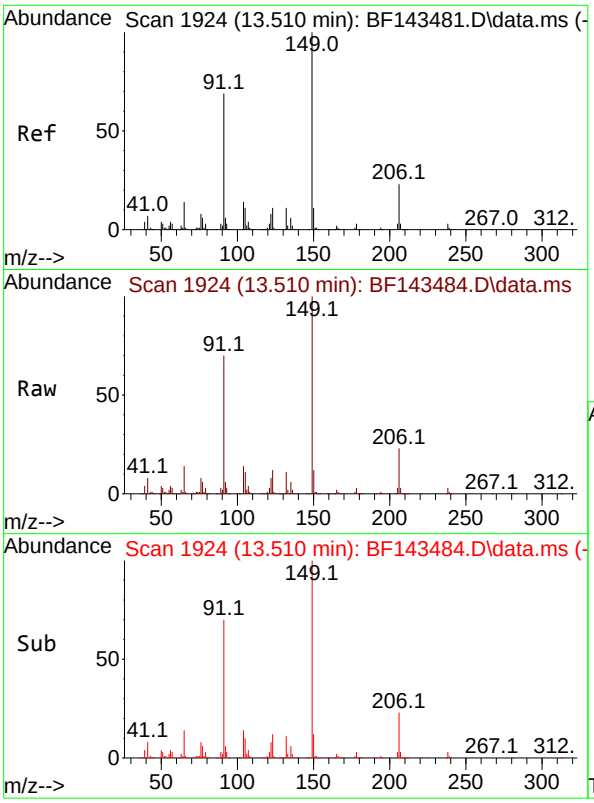


#79
Terphenyl-d14
Concen: 126.204 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:244 Resp: 1808474

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.2	7.8
122	9.9	7.9	11.9



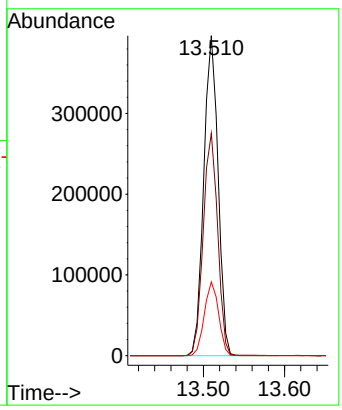


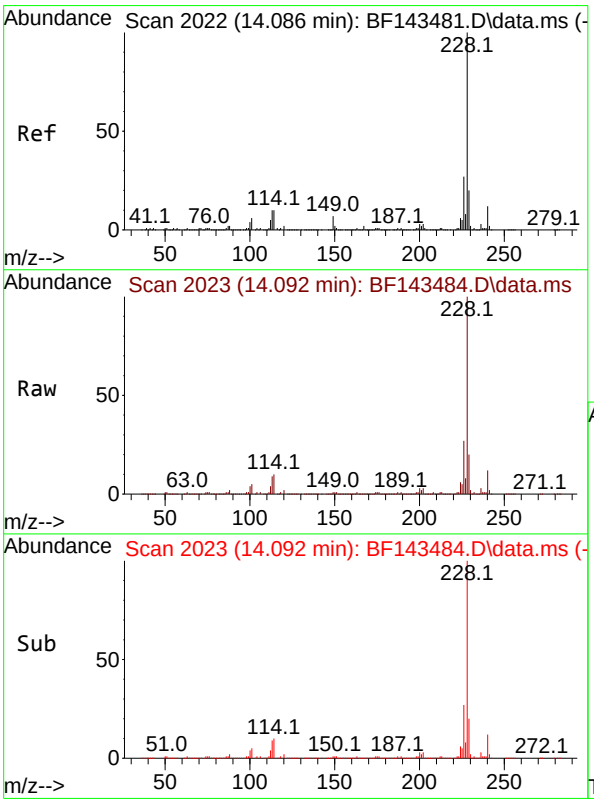
#80
Butylbenzylphthalate
Concen: 86.247 ng
RT: 13.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 484637

Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.3	82.9
206	23.0	18.2	27.4

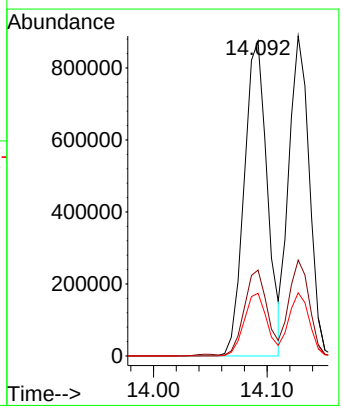


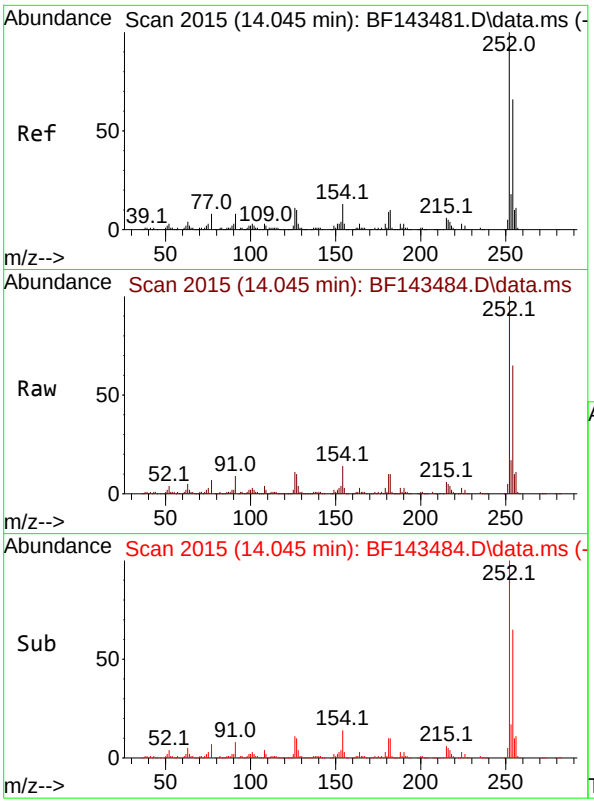


#81
Benzo(a)anthracene
Concen: 76.847 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:228 Resp: 1237164

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.9	15.7	23.5



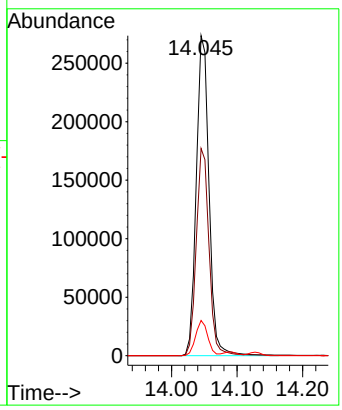


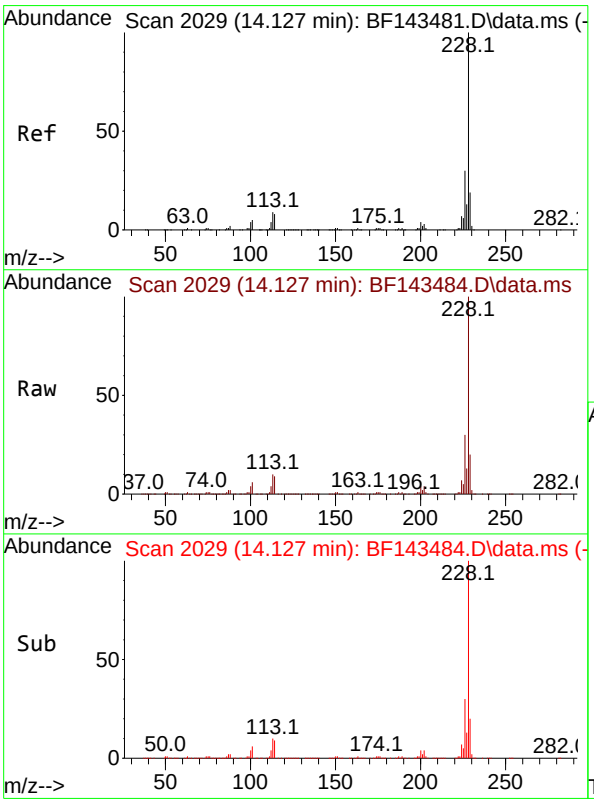
#82
3,3'-Dichlorobenzidine
Concen: 80.290 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 370170

Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.6	79.0
126	11.0	8.7	13.1

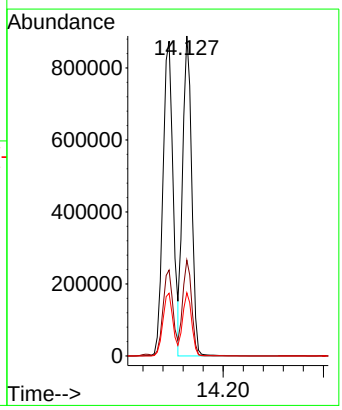


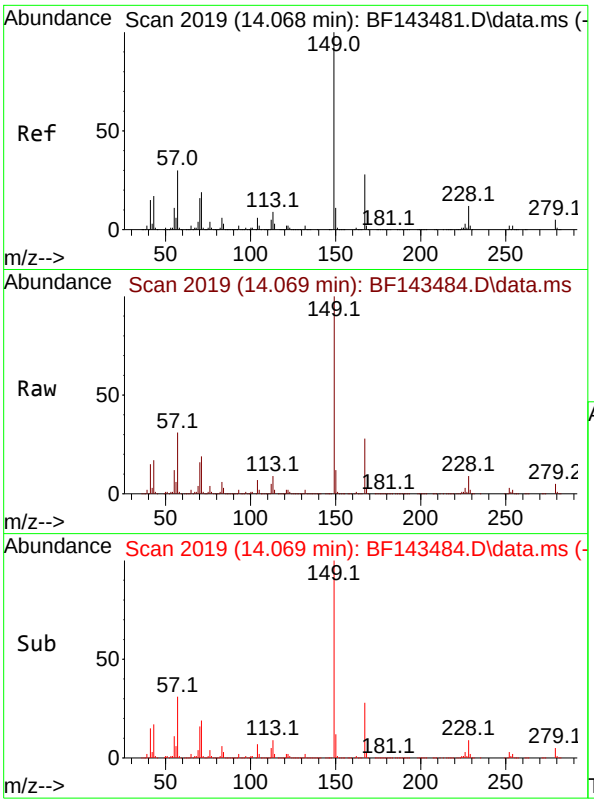


#83
Chrysene
Concen: 77.031 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:228 Resp: 1114466

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	19.8	15.7	23.5



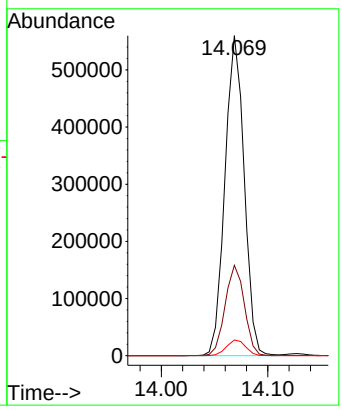


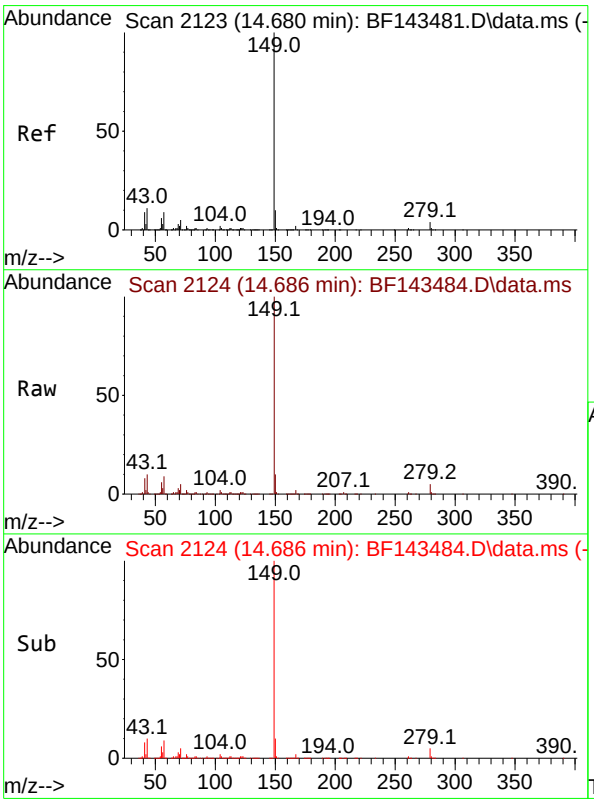
#84
Bis(2-ethylhexyl)phthalate
Concen: 81.836 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 700384

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.2
279	4.9	3.6	5.4

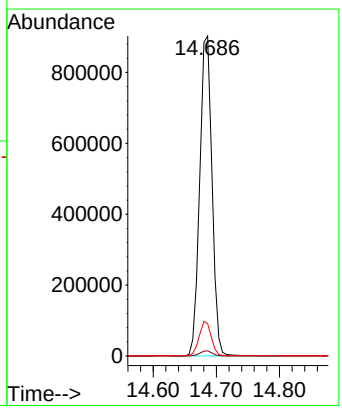


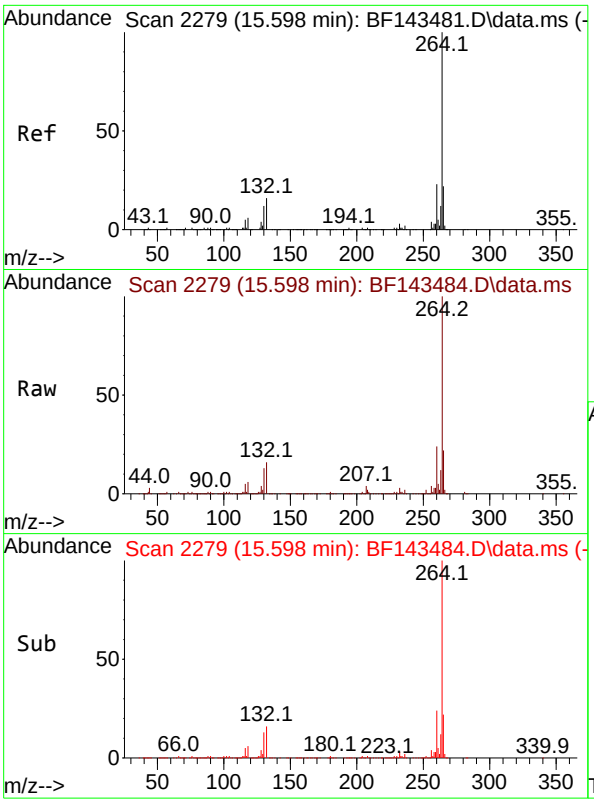


#85
Di-n-octyl phthalate
Concen: 77.442 ng
RT: 14.686 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:149 Resp: 1227818

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.6	8.5	12.7



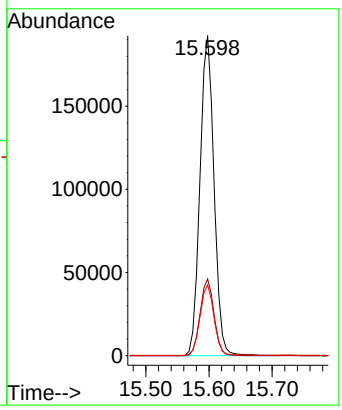


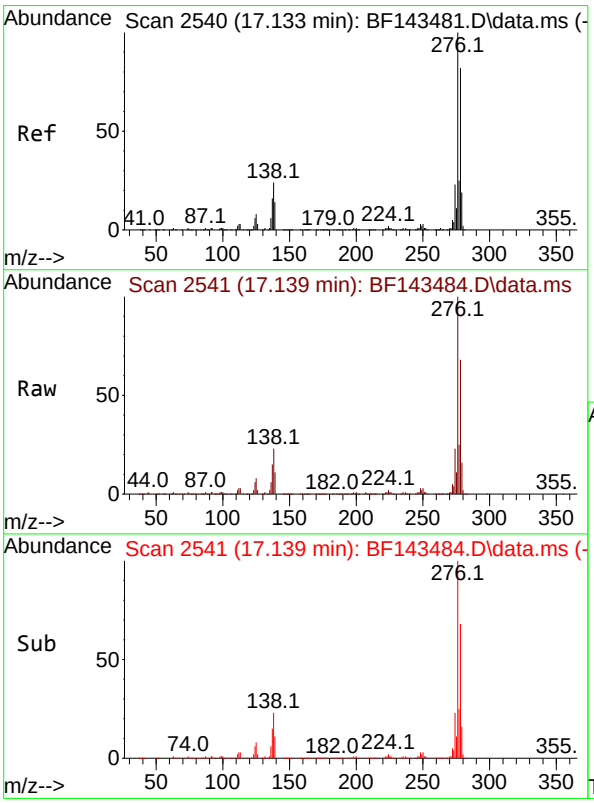
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 296923

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.1	17.6	26.4

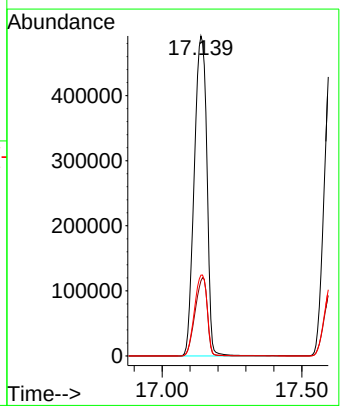


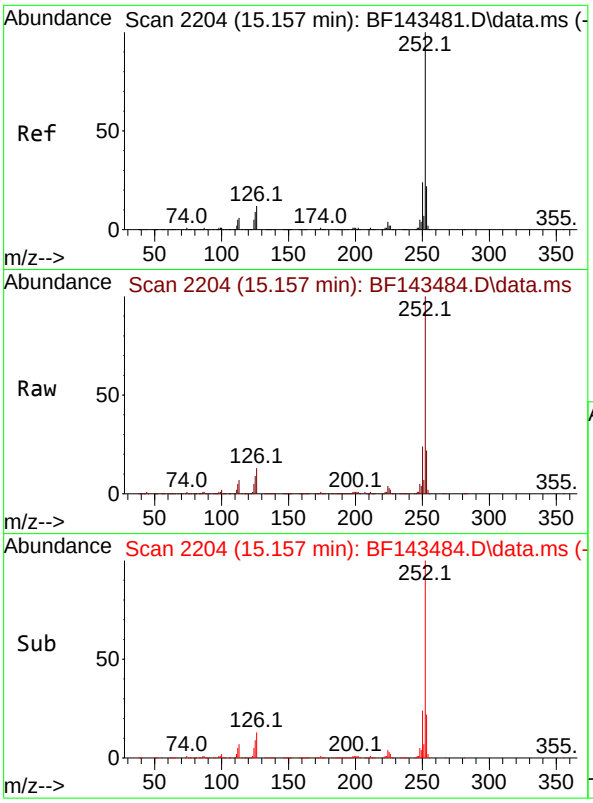


#87
Indeno(1,2,3-cd)pyrene
Concen: 72.108 ng
RT: 17.139 min Scan# 2541
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:276 Resp: 1538560

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.2	28.8
277	25.4	20.3	30.5



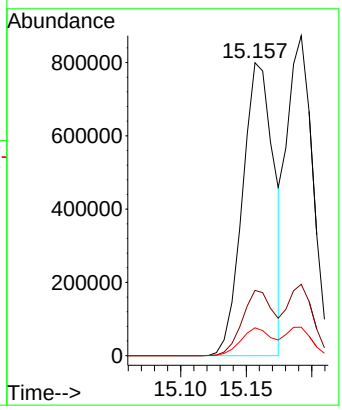


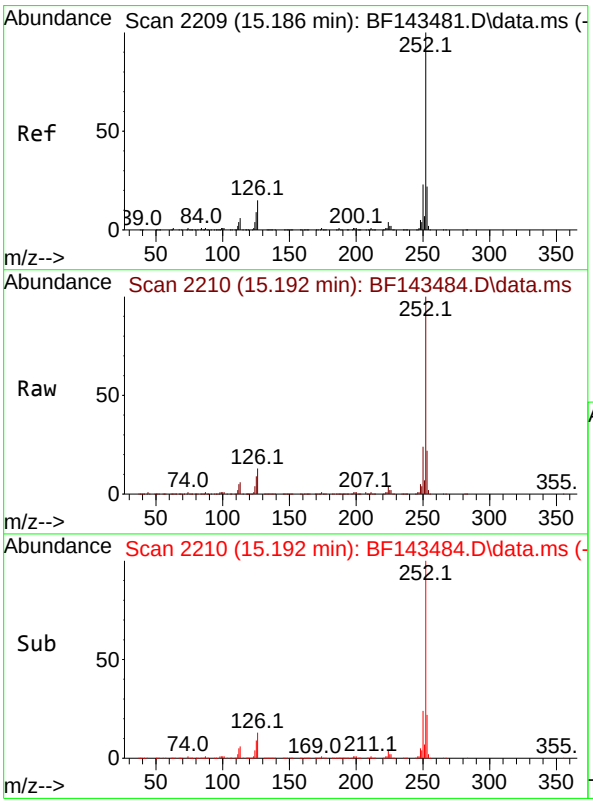
#88
Benzo(b)fluoranthene
Concen: 80.545 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1329385

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.5	7.4	11.0

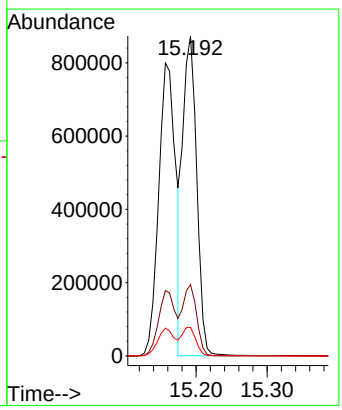


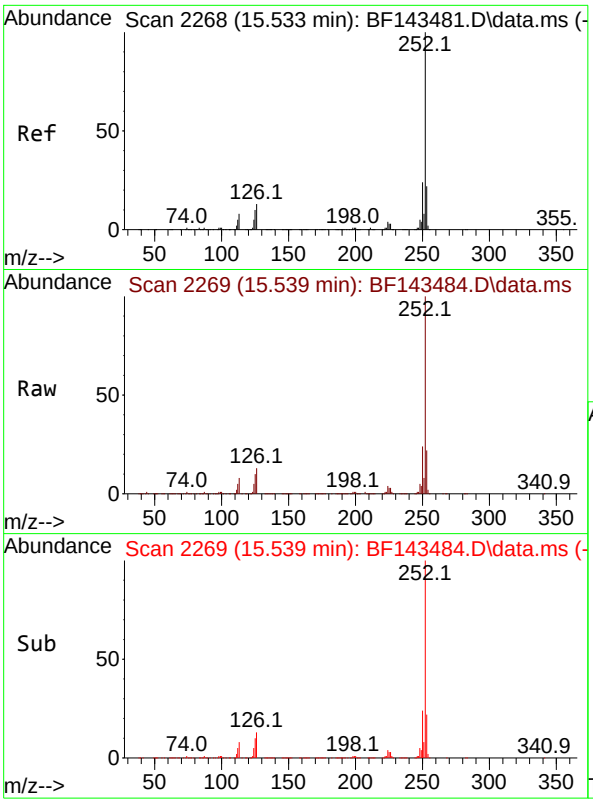


#89
Benzo(k)fluoranthene
Concen: 75.511 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:252 Resp: 1193283

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.9	7.4	11.0



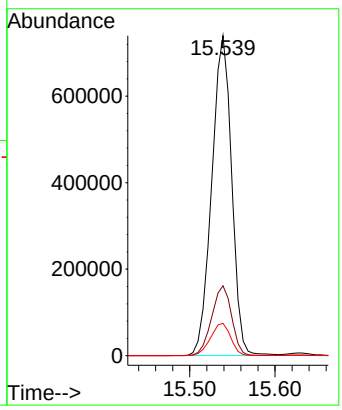


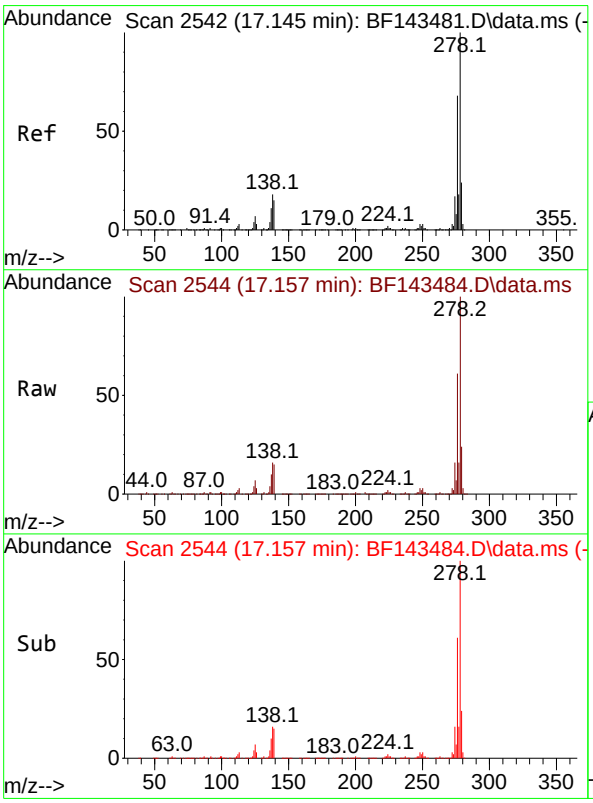
#90
Benzo(a)pyrene
Concen: 78.365 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1200553

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.1	8.2	12.2

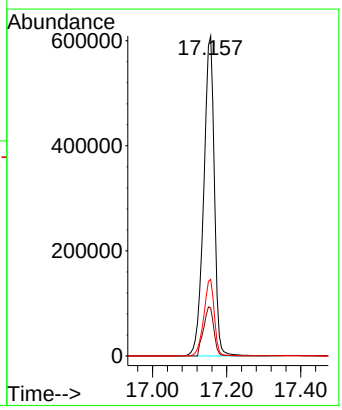


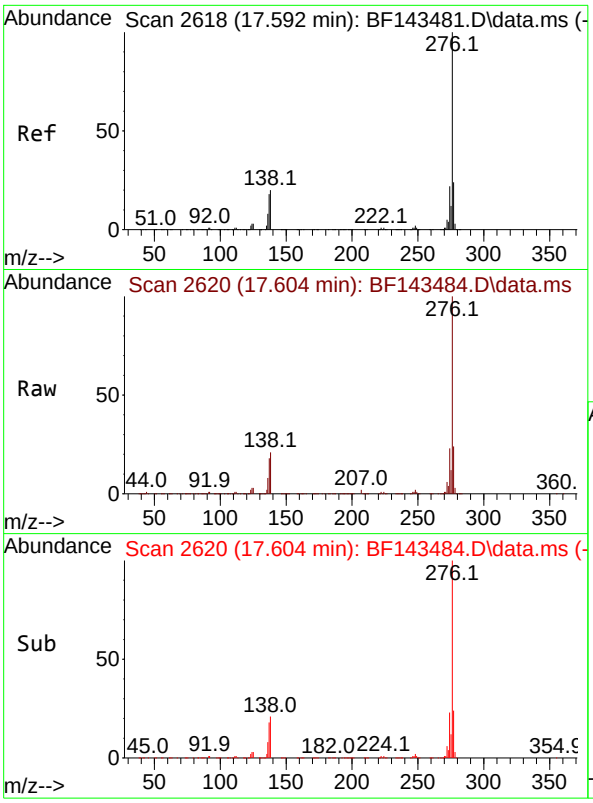


#91
Dibenzo(a,h)anthracene
Concen: 71.099 ng
RT: 17.157 min Scan# 2544
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Tgt Ion:278 Resp: 1214959

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.1	18.1
279	24.0	19.2	28.8



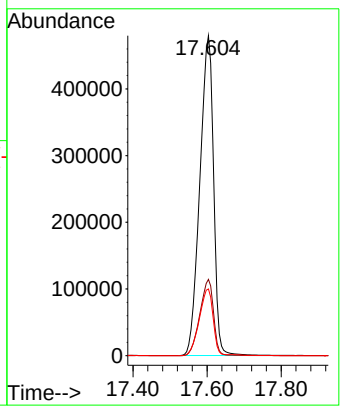


#92
Benzo(g,h,i)perylene
Concen: 72.598 ng
RT: 17.604 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143484.D
Acq: 20 Aug 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1233571

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	20.9	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	147483	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	560799	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	307376	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	481864	20.000	ng	0.00
76) Chrysene-d12	14.098	240	290808	20.000	ng	0.00
86) Perylene-d12	15.598	264	304631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	673963	79.796	ng	0.00
7) Phenol-d6	6.563	99	826142	79.236	ng	-0.01
23) Nitrobenzene-d5	7.492	82	774657	80.608	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	231053	80.753	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1418903	76.290	ng	0.00
79) Terphenyl-d14	13.039	244	1278285	76.705	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	153305	39.182	ng	99
3) Pyridine	3.516	79	420783	40.378	ng	100
4) n-Nitrosodimethylamine	3.457	42	191147	40.802	ng	96
6) Aniline	6.592	93	563974	40.468	ng	98
8) 2-Chlorophenol	6.716	128	375251	40.225	ng	99
9) Benzaldehyde	6.481	77	357456	42.346	ng	100
10) Phenol	6.581	94	487495	40.587	ng	98
11) bis(2-Chloroethyl)ether	6.657	93	359124	40.011	ng	99
12) 1,3-Dichlorobenzene	6.869	146	416344	39.721	ng	99
13) 1,4-Dichlorobenzene	6.945	146	414739	39.445	ng	99
14) 1,2-Dichlorobenzene	7.098	146	395851	39.765	ng	100
15) Benzyl Alcohol	7.069	79	321497	41.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	574948	40.039	ng	99
17) 2-Methylphenol	7.181	107	304639	40.687	ng	96
18) Hexachloroethane	7.439	117	145111	40.592	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	252025	39.547	ng	99
20) 3+4-Methylphenols	7.334	107	362521	40.559	ng	99
22) Acetophenone	7.334	105	472388	38.990	ng	99
24) Nitrobenzene	7.510	77	401365	40.579	ng	99
25) Isophorone	7.751	82	710700	40.343	ng	98
26) 2-Nitrophenol	7.828	139	202267	41.747	ng	99
27) 2,4-Dimethylphenol	7.863	122	299505	39.655	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	435322	40.210	ng	100
29) 2,4-Dichlorophenol	8.069	162	324407	40.217	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	326797	39.404	ng	99
31) Naphthalene	8.233	128	1050936	39.033	ng	100
32) Benzoic acid	7.986	122	174224	41.489	ng	98
33) 4-Chloroaniline	8.281	127	384473	40.234	ng	100
34) Hexachlorobutadiene	8.351	225	213848	39.523	ng	99
35) Caprolactam	8.651	113	86788	44.838	ng	95
36) 4-Chloro-3-methylphenol	8.763	107	327951	40.569	ng	99
37) 2-Methylnaphthalene	8.922	142	699087	38.877	ng	99
38) 1-Methylnaphthalene	9.022	142	675310	39.260	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	341006	38.786	ng	99
41) Hexachlorocyclopentadiene	9.080	237	123767	39.756	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	222378	41.105	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

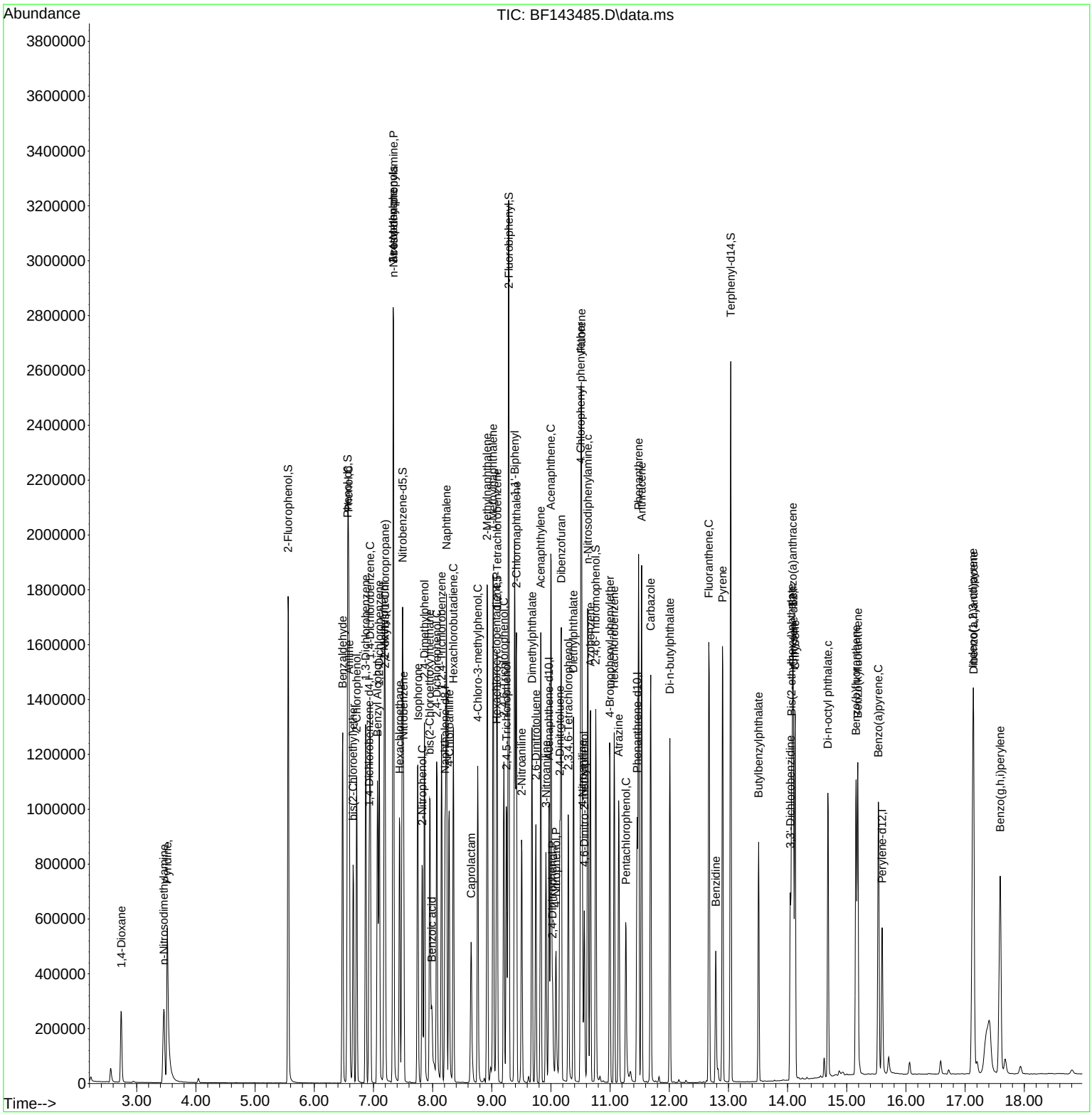
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	231521	39.178	ng	98
46) 1,1'-Biphenyl	9.386	154	850787	38.997	ng	100
47) 2-Chloronaphthalene	9.416	162	668760	39.068	ng	99
48) 2-Nitroaniline	9.504	65	209716	41.861	ng	99
49) Acenaphthylene	9.827	152	969574	39.557	ng	99
50) Dimethylphthalate	9.680	163	757804	40.935	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162905	42.459	ng	98
52) Acenaphthene	9.998	154	664685	39.941	ng	100
53) 3-Nitroaniline	9.916	138	176223	42.506	ng	98
54) 2,4-Dinitrophenol	10.027	184	84522	43.761	ng	99
55) Dibenzofuran	10.175	168	925864	39.023	ng	99
56) 4-Nitrophenol	10.086	139	114429	46.387	ng	99
57) 2,4-Dinitrotoluene	10.151	165	221231	43.183	ng	97
58) Fluorene	10.516	166	710368	38.901	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187764	42.767	ng	100
60) Diethylphthalate	10.380	149	692256	41.708	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	358628	39.269	ng	99
62) 4-Nitroaniline	10.533	138	167278	43.927	ng	99
63) Azobenzene	10.669	77	688082	39.982	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	119136	43.849	ng	97
66) n-Nitrosodiphenylamine	10.622	169	608072	39.212	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	231727	40.305	ng	99
68) Hexachlorobenzene	11.069	284	245068	39.544	ng	98
69) Atrazine	11.145	200	174902	43.693	ng	99
70) Pentachlorophenol	11.269	266	124649	43.916	ng	99
71) Phenanthrene	11.480	178	1012486	39.237	ng	100
72) Anthracene	11.533	178	1029696	39.390	ng	100
73) Carbazole	11.686	167	865651	40.413	ng	100
74) Di-n-butylphthalate	12.010	149	869364	43.507	ng	99
75) Fluoranthene	12.668	202	932217	40.261	ng	100
77) Benzidine	12.786	184	283076	39.962	ng	99
78) Pyrene	12.898	202	930449	38.897	ng	100
80) Butylbenzylphthalate	13.510	149	271515	41.549	ng	99
81) Benzo(a)anthracene	14.086	228	763549	40.783	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	208975	38.975	ng	99
83) Chrysene	14.127	228	651325	38.711	ng	99
84) Bis(2-ethylhexyl)phtha...	14.068	149	388068	38.990	ng	99
85) Di-n-octyl phthalate	14.680	149	700201	37.975	ng	100
87) Indeno(1,2,3-cd)pyrene	17.133	276	859881	39.281	ng	99
88) Benzo(b)fluoranthene	15.157	252	667733	39.433	ng	100
89) Benzo(k)fluoranthene	15.186	252	664593	40.992	ng	100
90) Benzo(a)pyrene	15.533	252	631989	40.208	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	690364	39.378	ng	99
92) Benzo(g,h,i)perylene	17.592	276	697169	39.992	ng	100

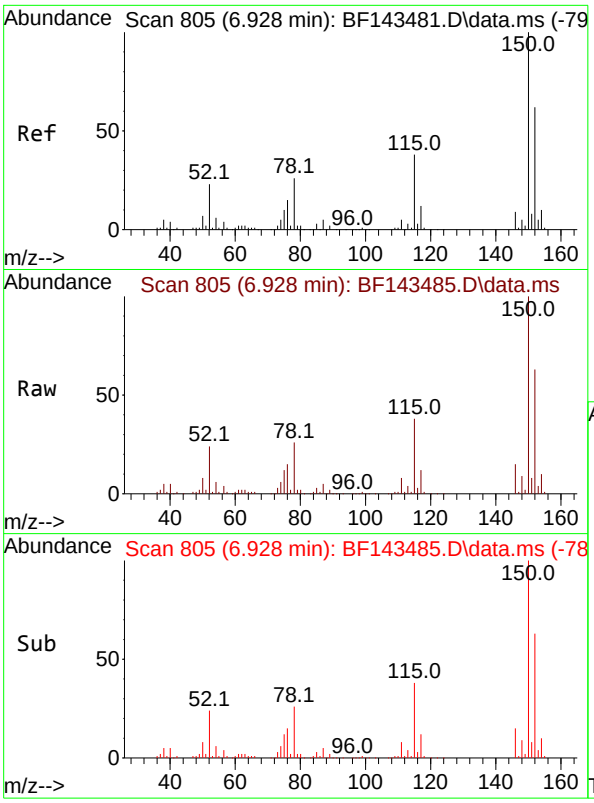
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration



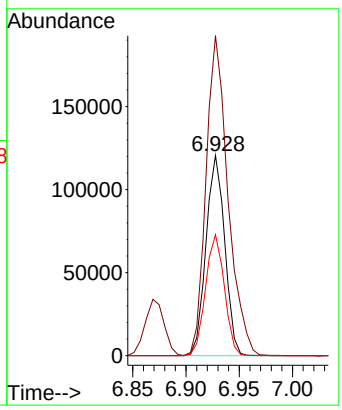


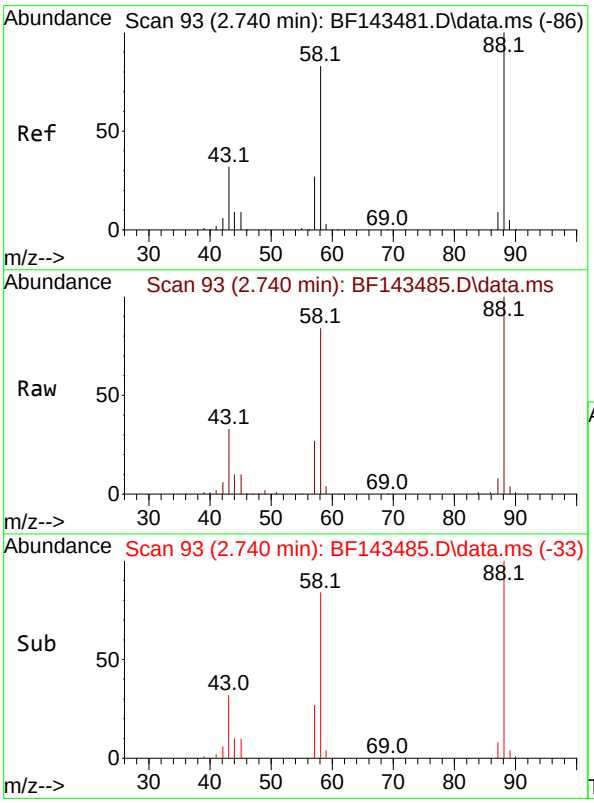
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:152 Resp: 147483

Ion	Ratio	Lower	Upper
152	100		
150	159.8	128.9	193.3
115	60.4	49.2	73.8

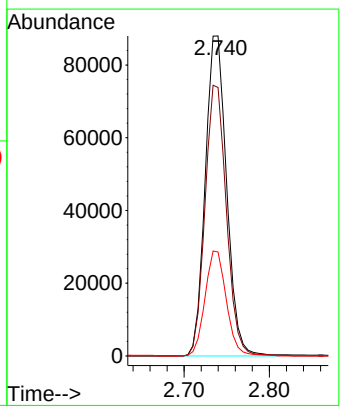


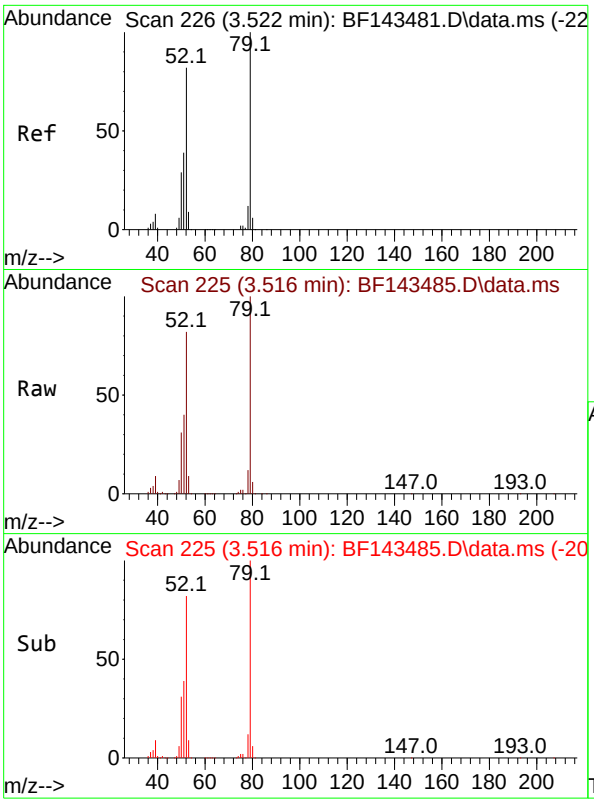


#2
1,4-Dioxane
Concen: 39.182 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 88 Resp: 153305

Ion	Ratio	Lower	Upper
88	100		
58	84.6	66.7	100.1
43	32.8	25.8	38.8



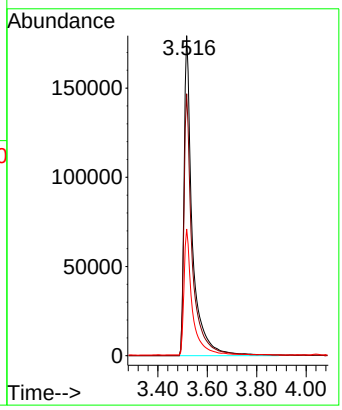


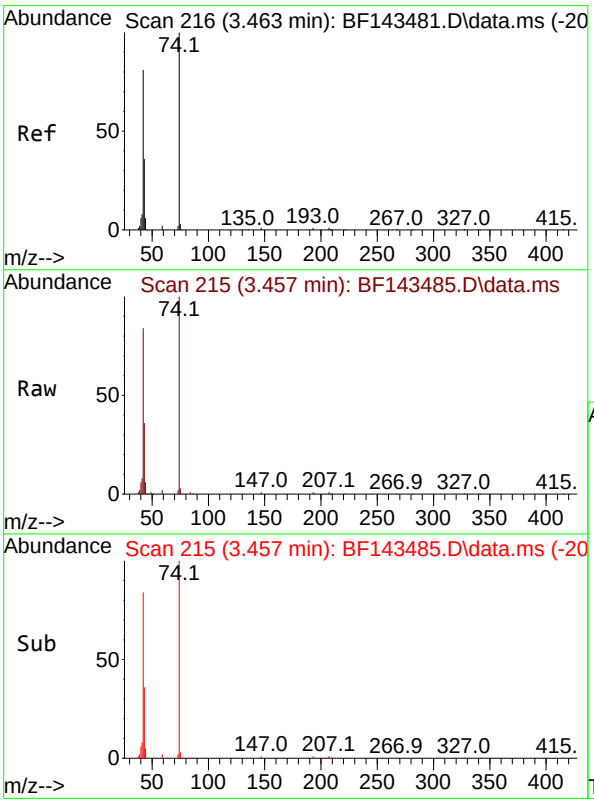
#3
Pyridine
Concen: 40.378 ng
RT: 3.516 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 79 Resp: 420783

Ion	Ratio	Lower	Upper
79	100		
52	81.9	65.6	98.4
51	39.6	31.2	46.8

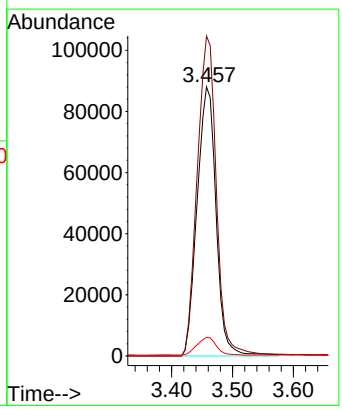


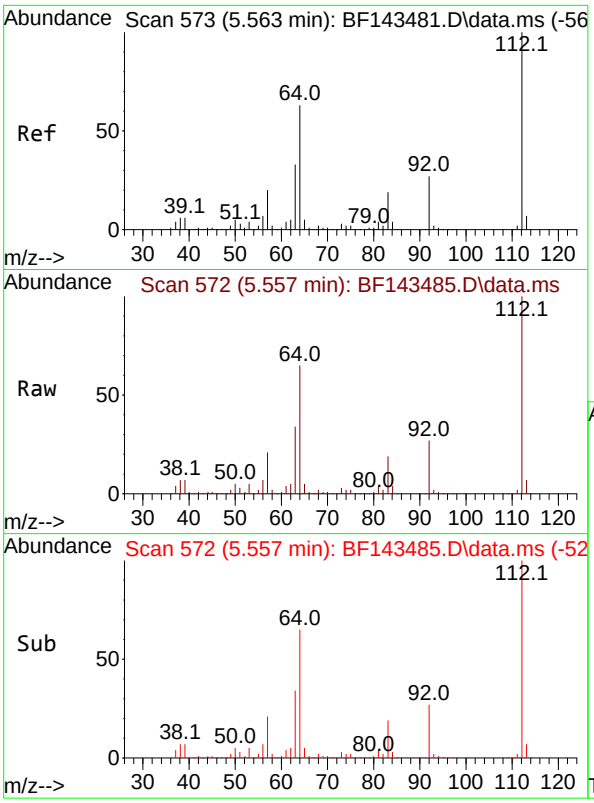


#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 42 Resp: 191147

Ion	Ratio	Lower	Upper
42	100		
74	118.9	98.6	148.0
44	6.9	5.8	8.8



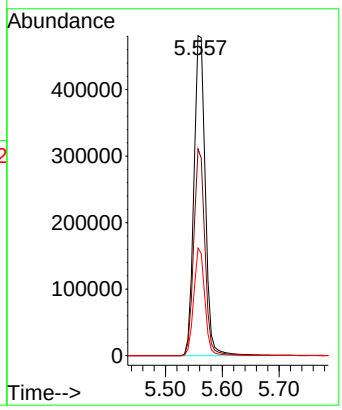


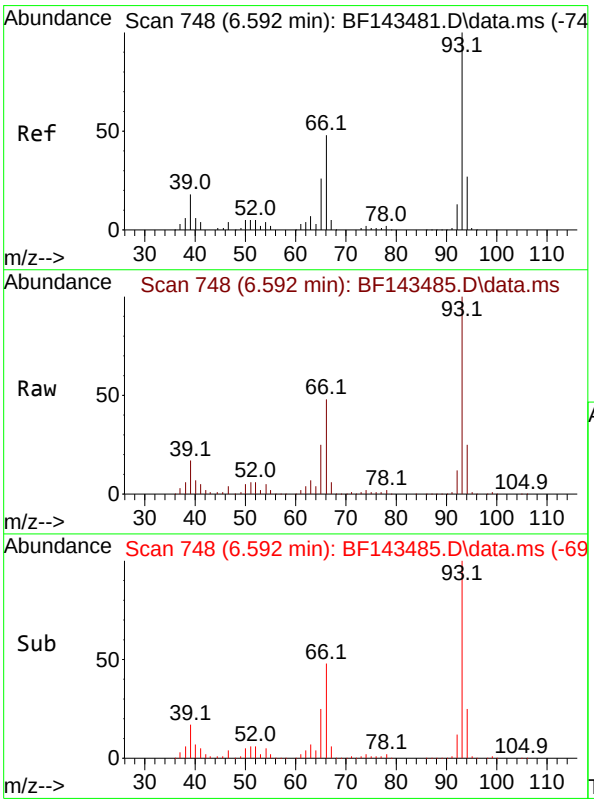
#5
2-Fluorophenol
Concen: 79.796 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:112 Resp: 673963

Ion	Ratio	Lower	Upper
112	100		
64	64.6	50.4	75.6
63	33.6	26.4	39.6

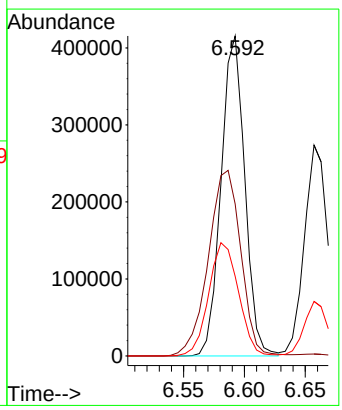


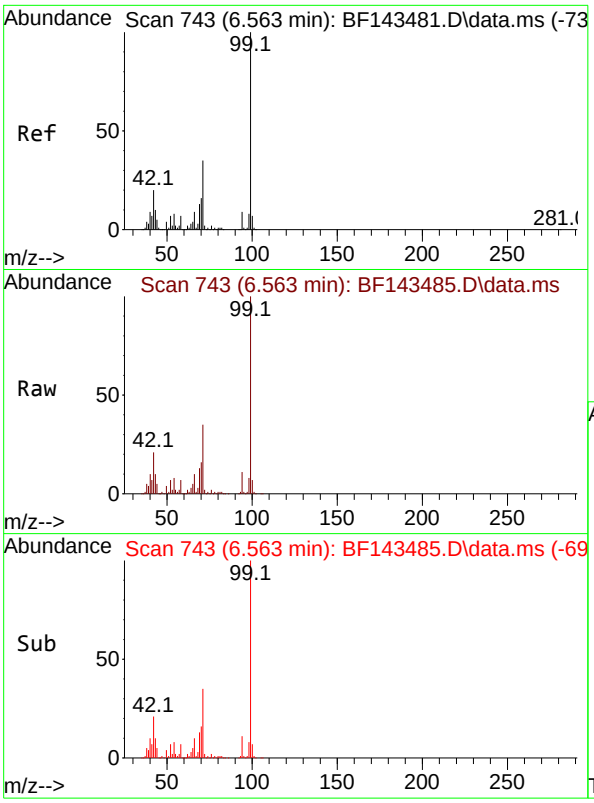


#6
Aniline
Concen: 40.468 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 93 Resp: 563974

Ion	Ratio	Lower	Upper
93	100		
66	47.5	38.9	58.3
65	24.9	20.6	30.8



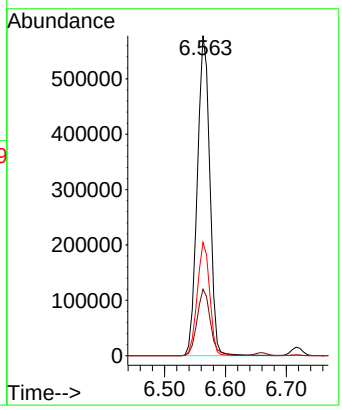


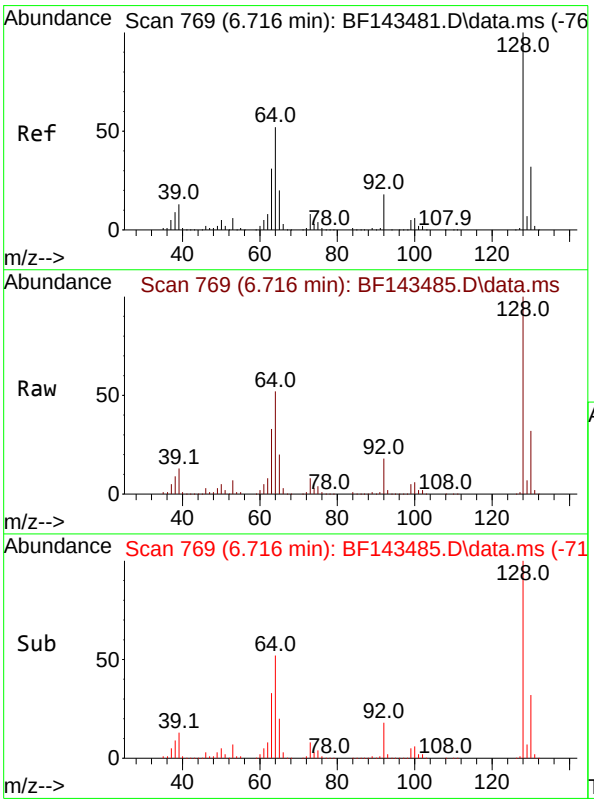
#7
Phenol-d6
Concen: 79.236 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 99 Resp: 826142

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.3	24.5
71	35.4	28.2	42.2

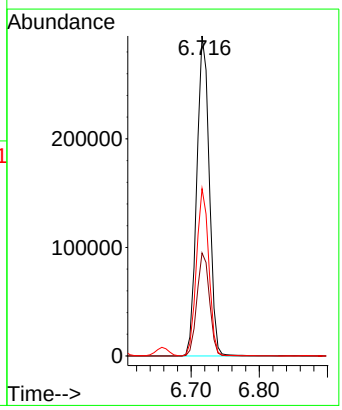


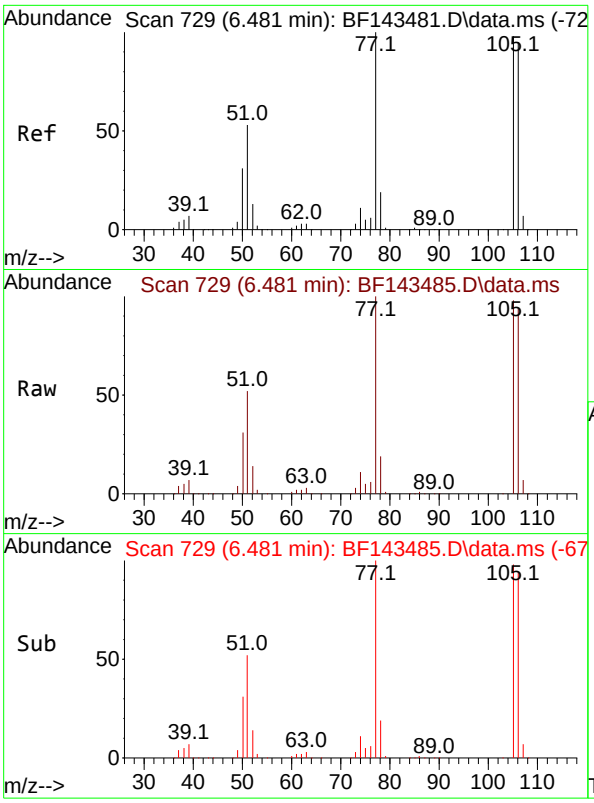


#8
2-Chlorophenol
Concen: 40.225 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:128 Resp: 375251

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.4	52.4
64	52.3	31.6	71.6



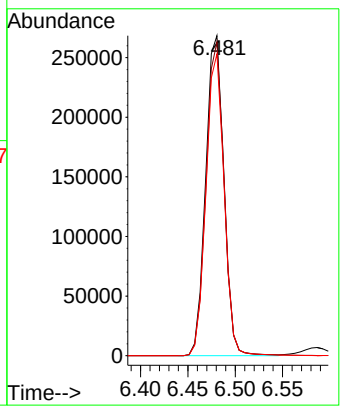


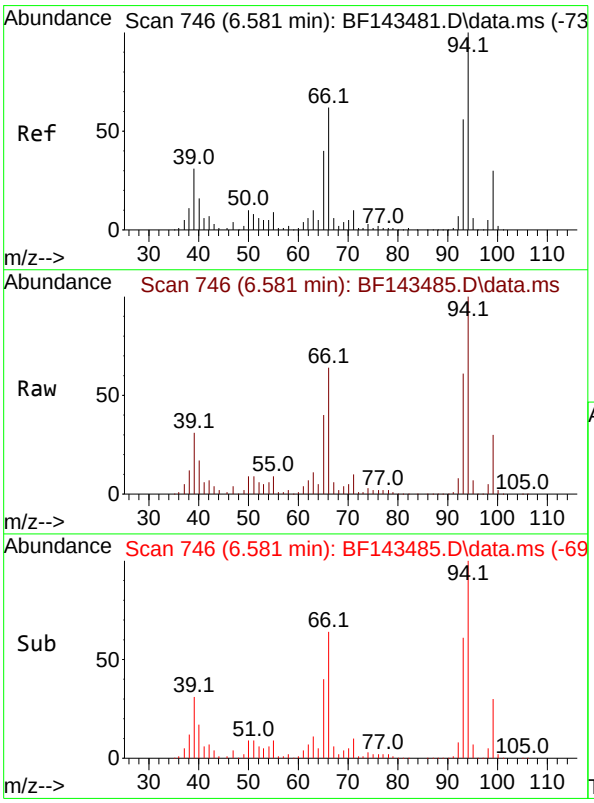
#9
Benzaldehyde
Concen: 42.346 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 77 Resp: 357456

Ion	Ratio	Lower	Upper
77	100		
105	97.9	78.1	118.1
106	94.3	74.9	114.9

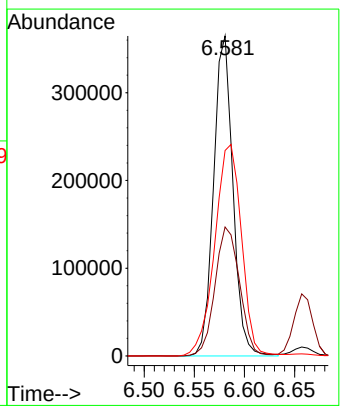


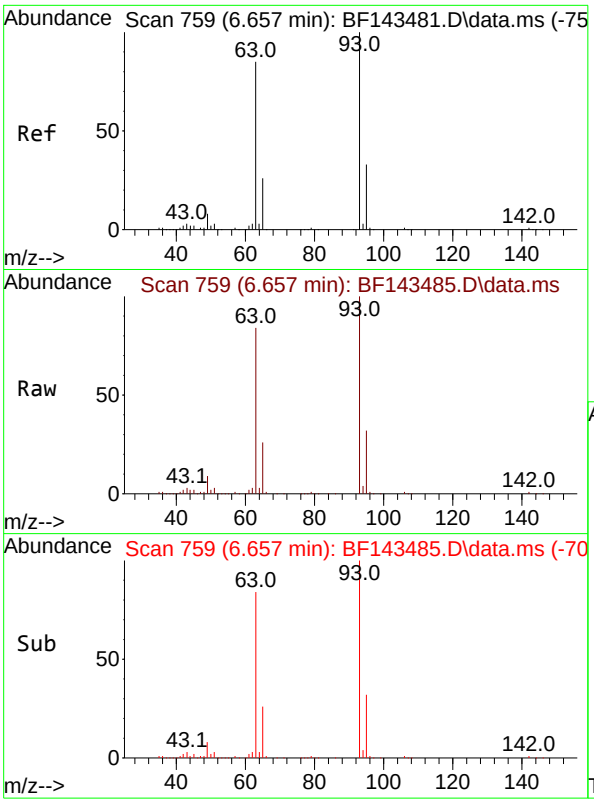


#10
Phenol
Concen: 40.587 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 94 Resp: 487495

Ion	Ratio	Lower	Upper
94	100		
65	40.3	19.5	59.5
66	64.2	42.5	82.5



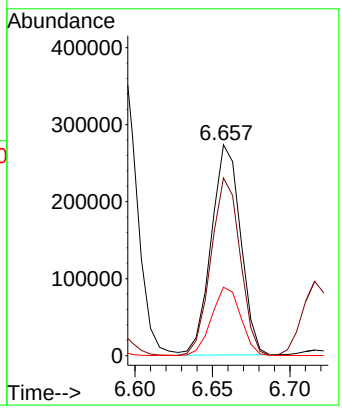


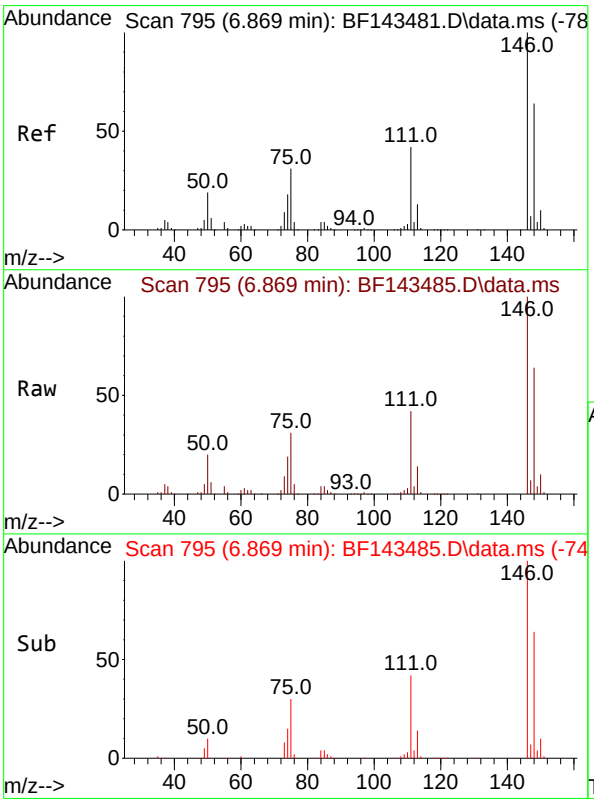
#11
bis(2-Chloroethyl)ether
Concen: 40.011 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 93 Resp: 359124

Ion	Ratio	Lower	Upper
93	100		
63	84.4	63.6	103.6
95	32.5	12.8	52.8

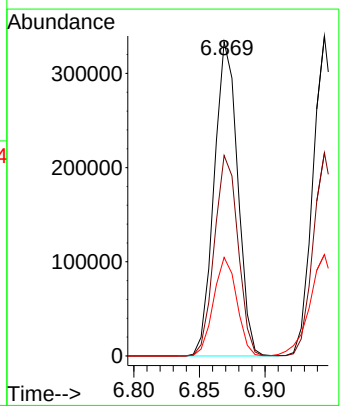


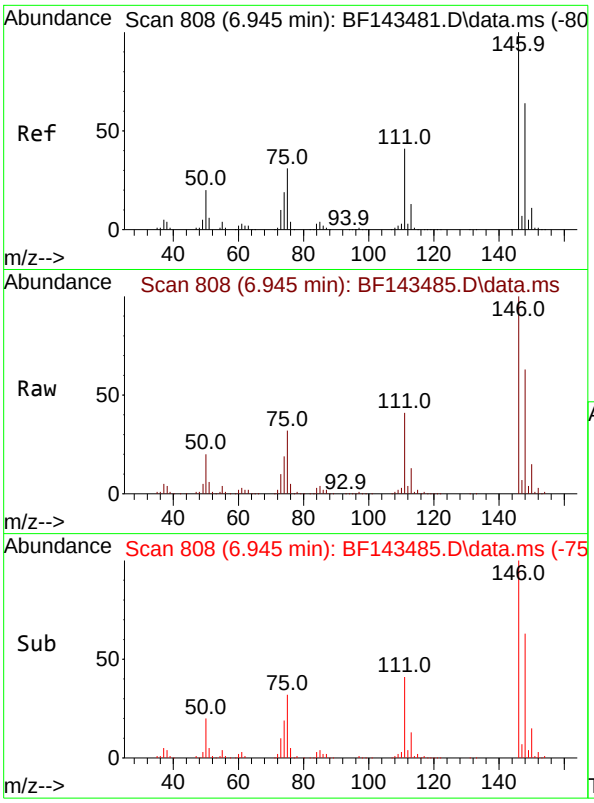


#12
1,3-Dichlorobenzene
Concen: 39.721 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:146 Resp: 416344

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	31.4	24.7	37.1



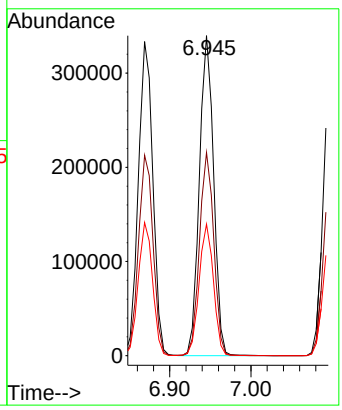


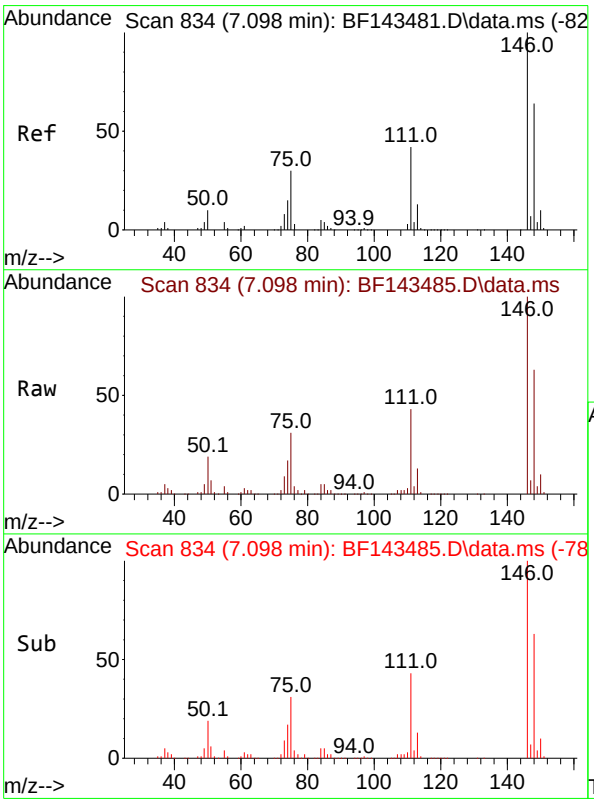
#13
1,4-Dichlorobenzene
Concen: 39.445 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:146 Resp: 414739

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	41.1	32.6	49.0

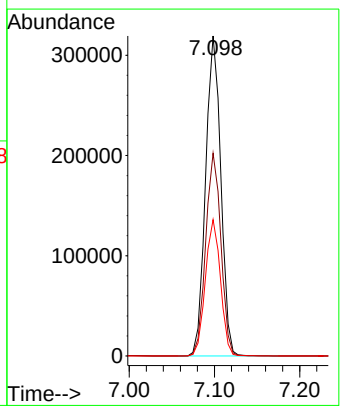


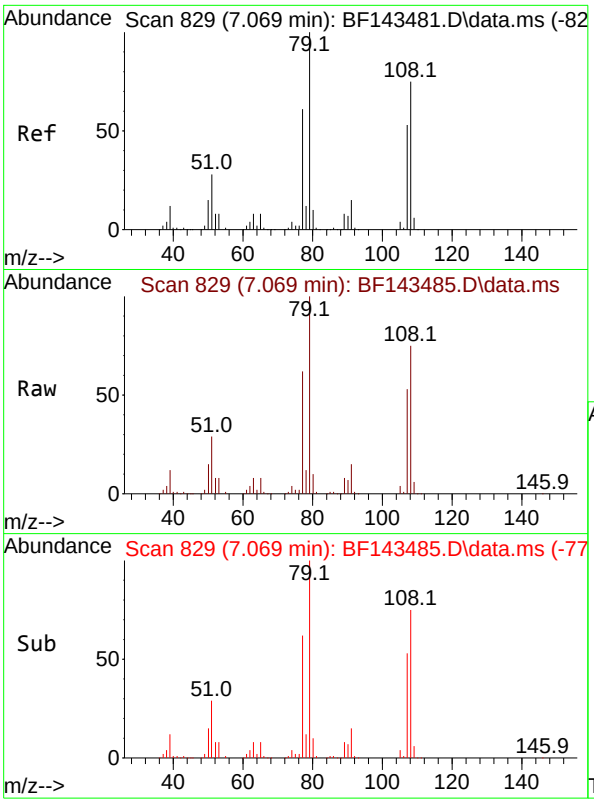


#14
1,2-Dichlorobenzene
Concen: 39.765 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:146 Resp: 395851

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	42.6	34.0	51.0



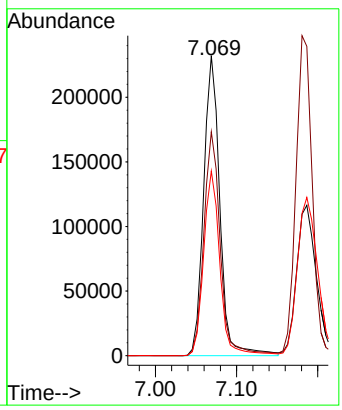


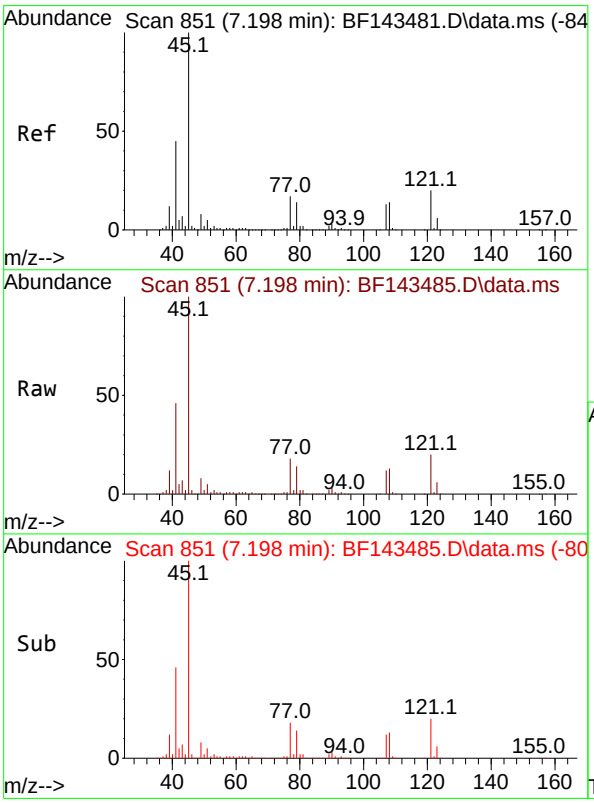
#15
Benzyl Alcohol
Concen: 41.185 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 79 Resp: 321497

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.8	89.6
77	61.6	49.0	73.4

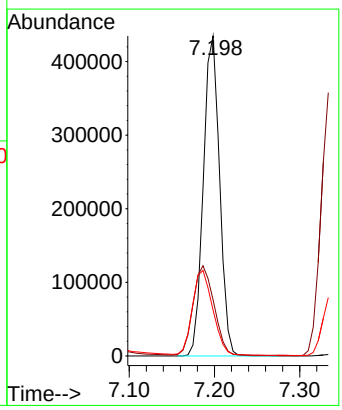


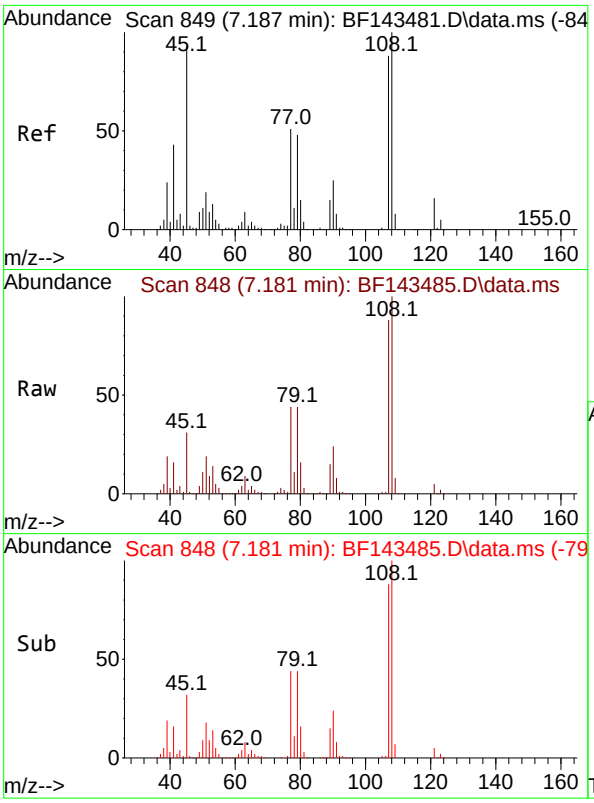


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.039 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 45 Resp: 574948

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.9
79	14.3	0.0	34.7



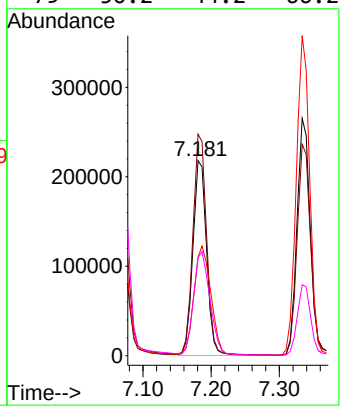


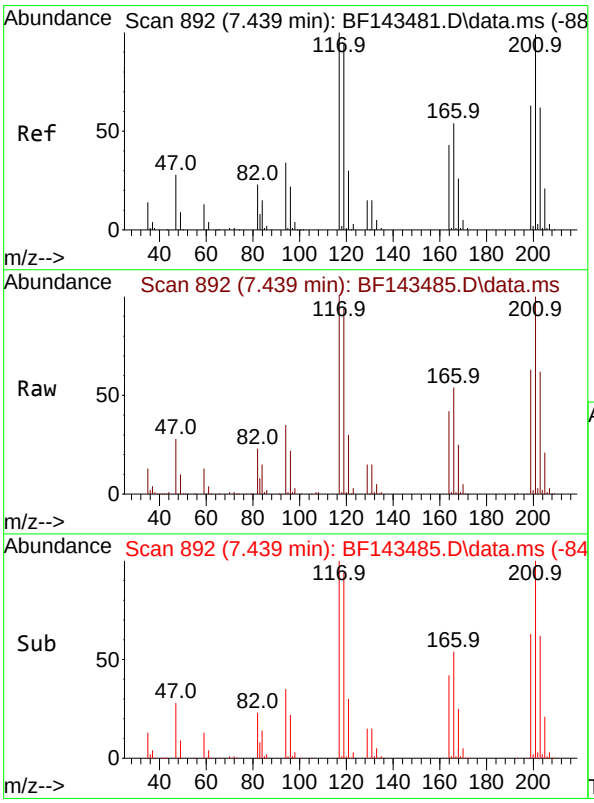
#17
2-Methylphenol
Concen: 40.687 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:107 Resp: 304639

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.1	136.7
77	50.5	46.2	69.4
79	50.2	44.2	66.2

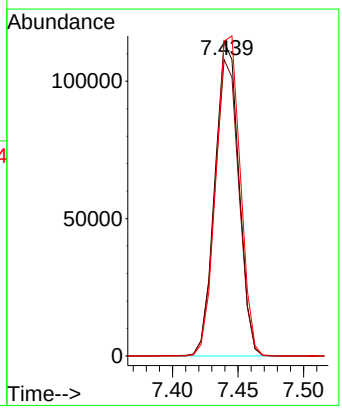


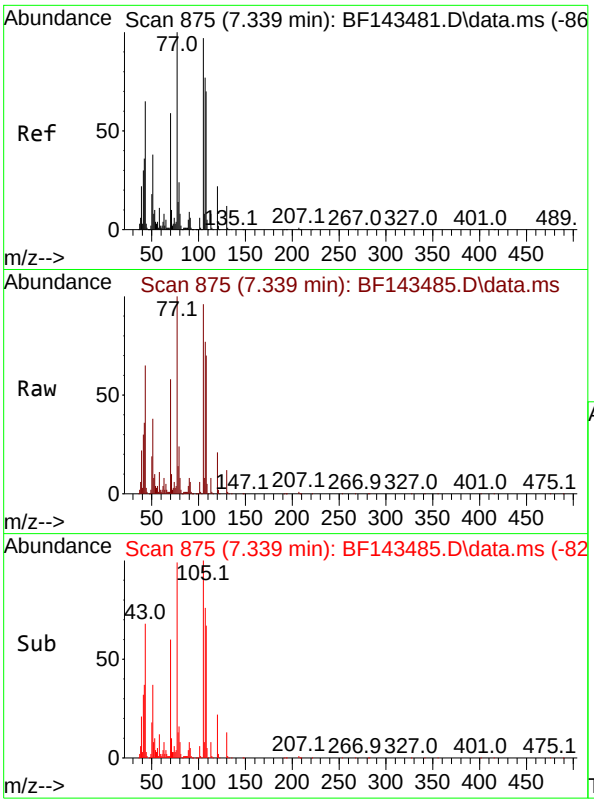


#18
Hexachloroethane
Concen: 40.592 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:117 Resp: 145111

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	100.1	79.0	118.4



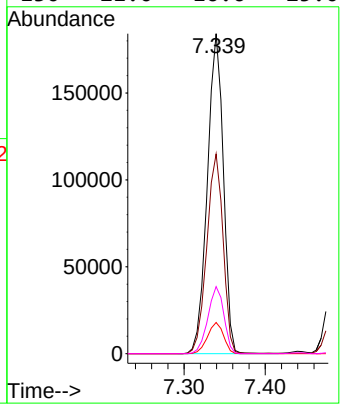


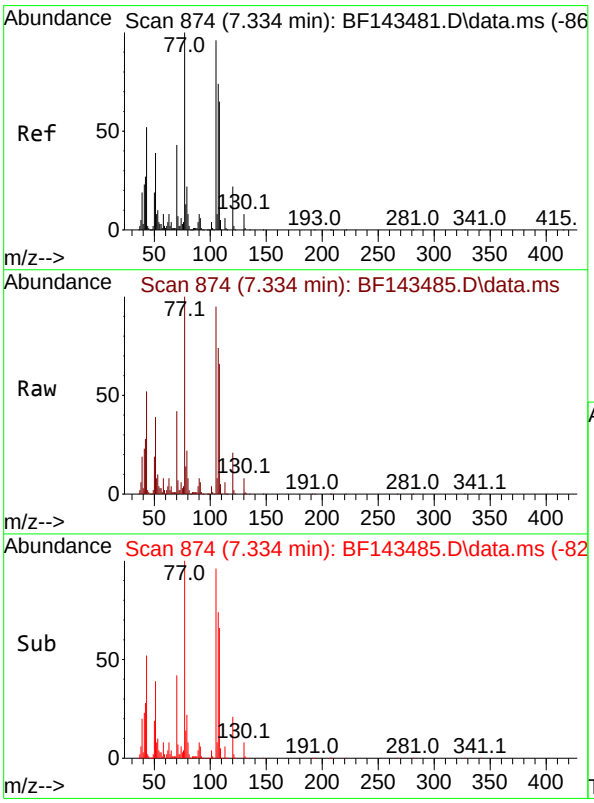
#19
n-Nitroso-di-n-propylamine
Concen: 39.547 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 70 Resp: 252025

Ion	Ratio	Lower	Upper
70	100		
42	62.4	49.3	73.9
101	9.8	7.8	11.8
130	21.0	16.6	25.0

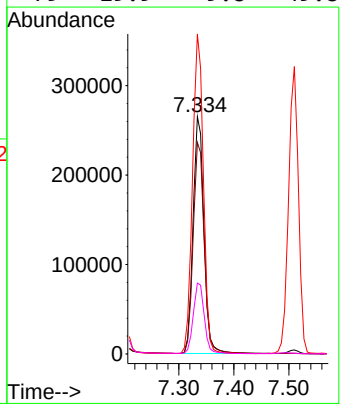


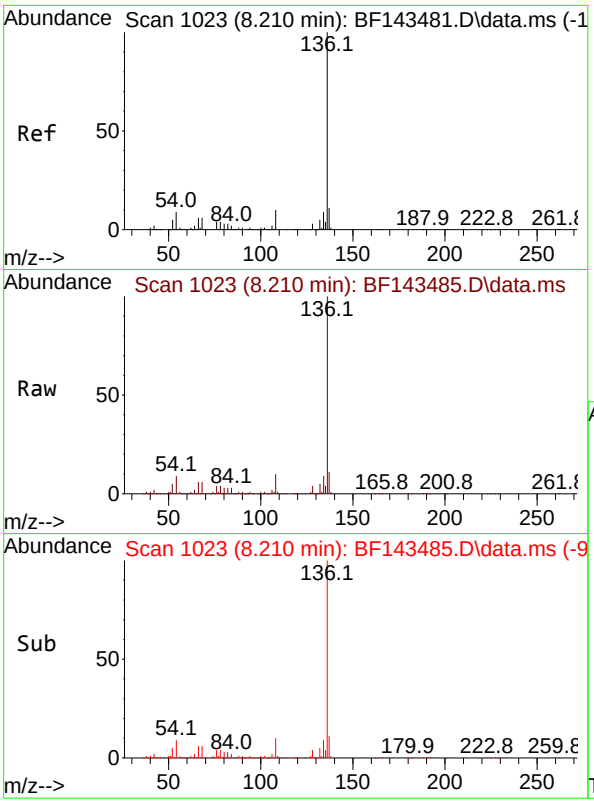


#20
3+4-Methylphenols
Concen: 40.559 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:107 Resp: 362521

Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.4	108.4
77	134.8	116.1	156.1
79	29.9	9.8	49.8



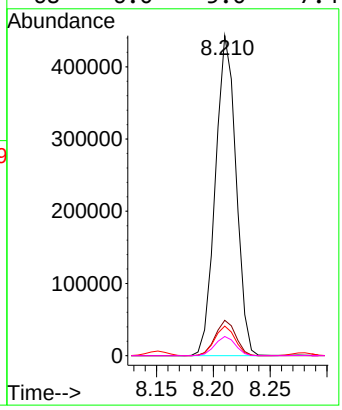


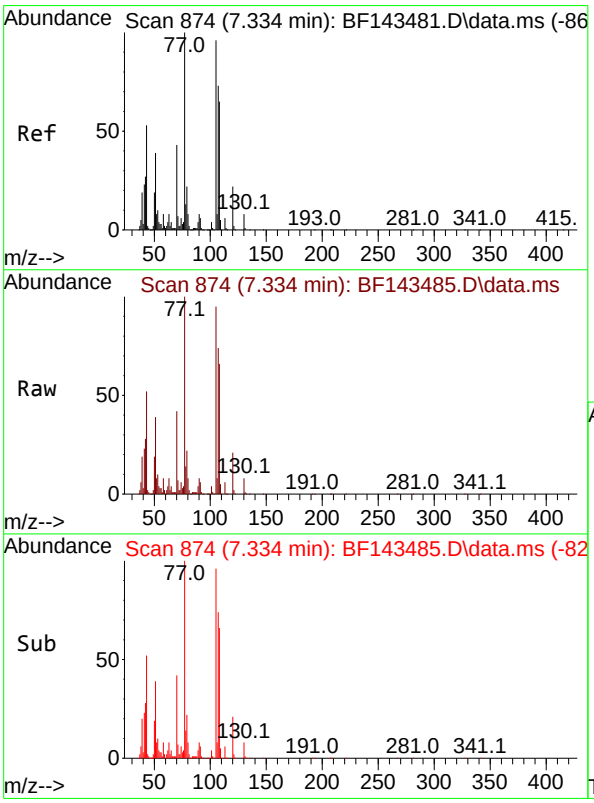
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:136 Resp: 560799

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.3	7.4	11.2
68	6.0	5.0	7.4

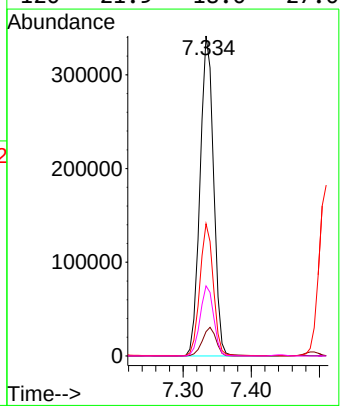


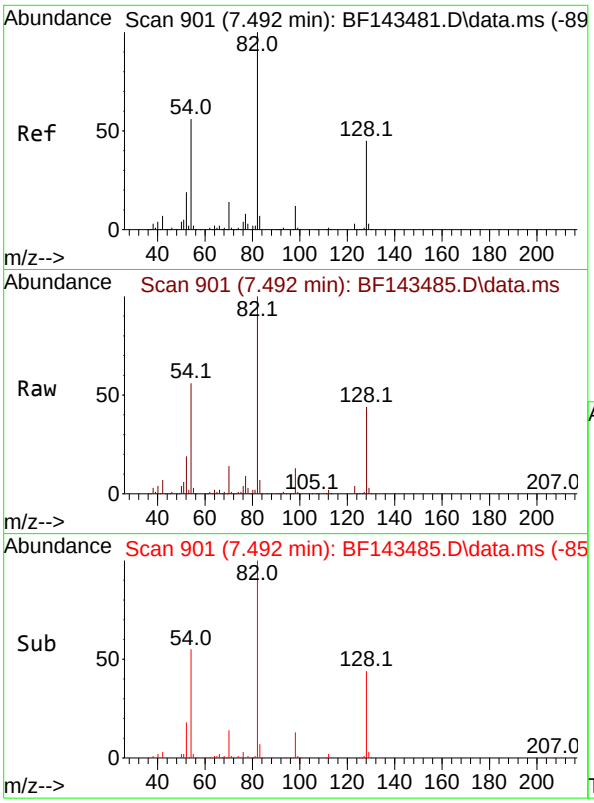


#22
Acetophenone
Concen: 38.990 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:105 Resp: 472388

Ion	Ratio	Lower	Upper
105	100		
71	7.6	5.9	8.9
51	41.3	32.5	48.7
120	21.9	18.0	27.0



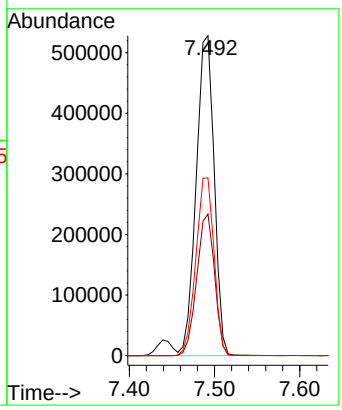


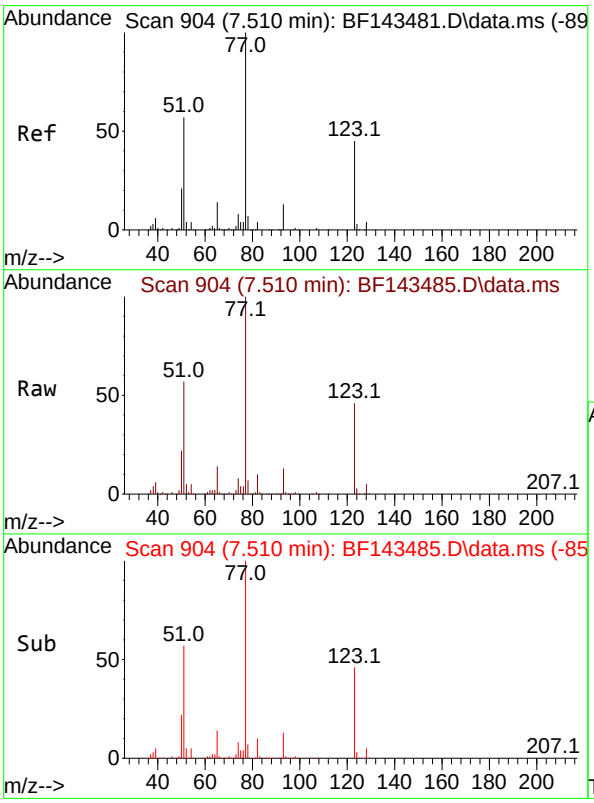
#23
Nitrobenzene-d5
Concen: 80.608 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 82 Resp: 774657

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.5	53.3
54	55.6	44.3	66.5

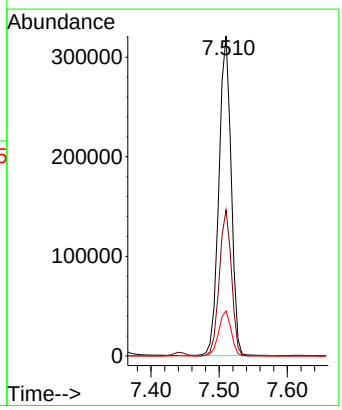


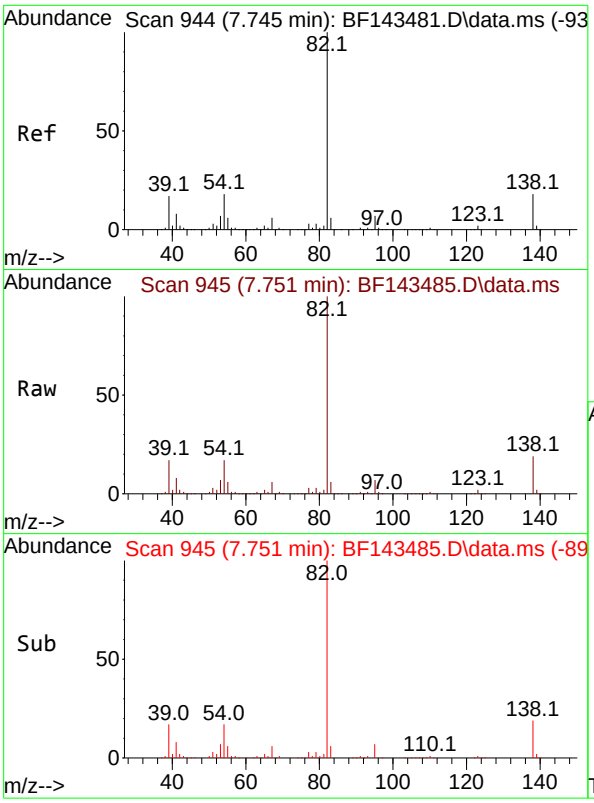


#24
Nitrobenzene
Concen: 40.579 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 77 Resp: 401365

Ion	Ratio	Lower	Upper
77	100		
123	45.7	36.1	54.1
65	14.1	11.0	16.6



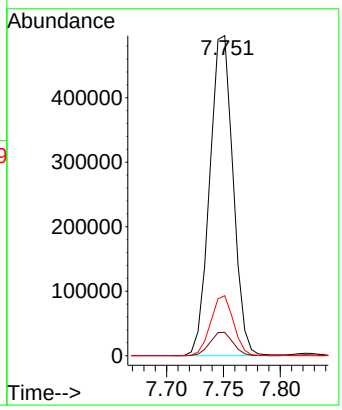


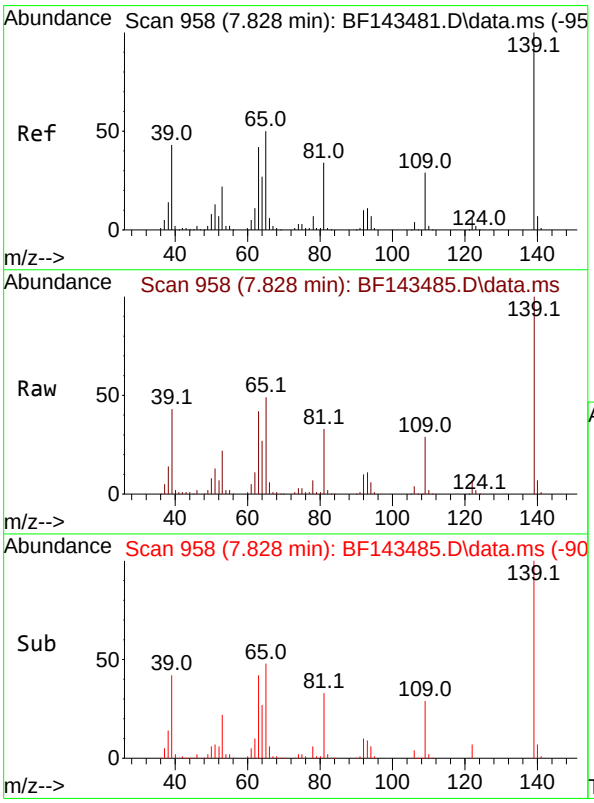
#25
Isophorone
Concen: 40.343 ng
RT: 7.751 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 82 Resp: 710700

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.8	14.2	21.4

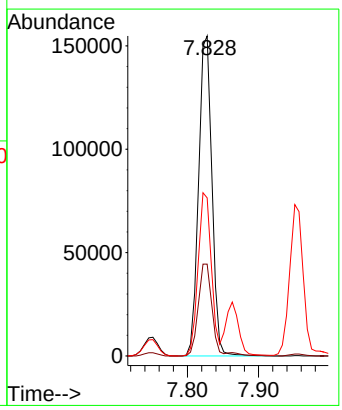


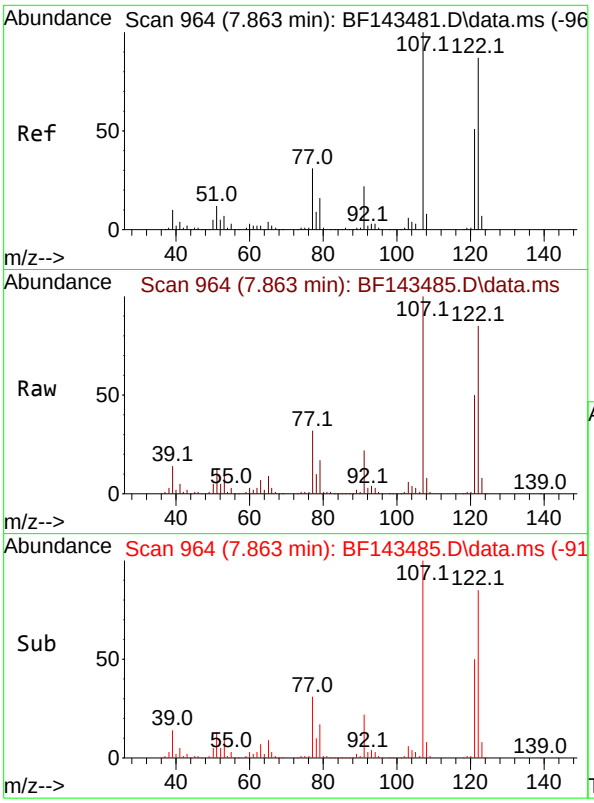


#26
2-Nitrophenol
Concen: 41.747 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:139 Resp: 202267

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.0	34.6
65	49.4	40.3	60.5



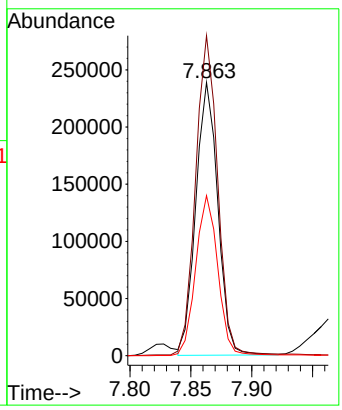


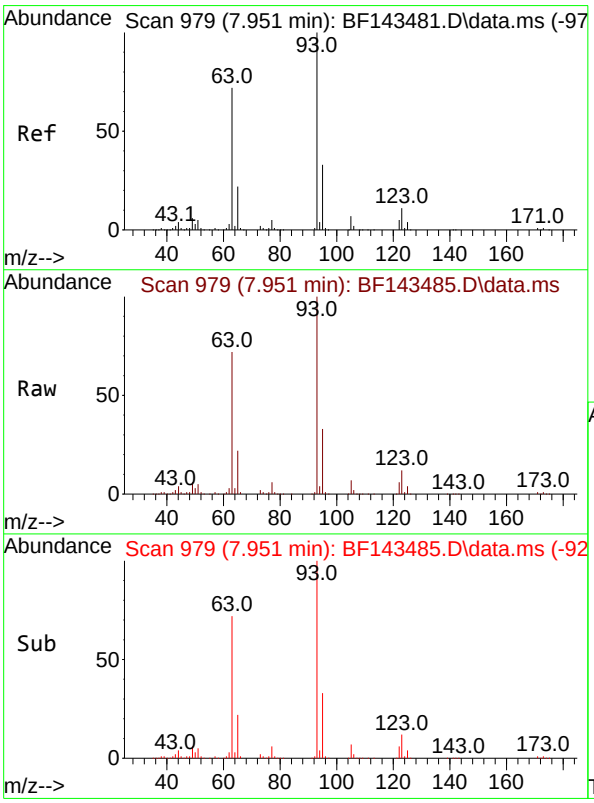
#27
2,4-Dimethylphenol
Concen: 39.655 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:122 Resp: 299505

Ion	Ratio	Lower	Upper
122	100		
107	117.1	91.5	137.3
121	58.6	47.0	70.4

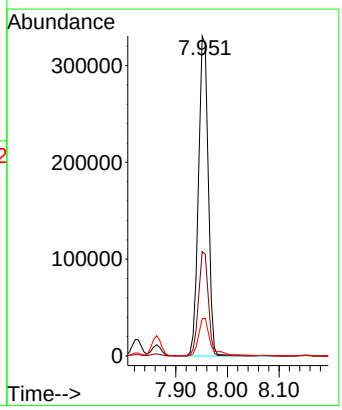


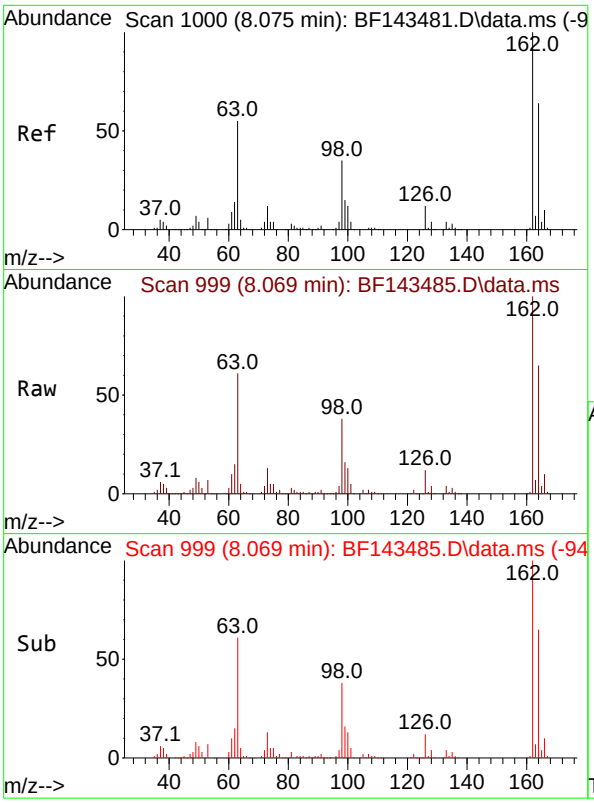


#28
bis(2-Chloroethoxy)methane
Concen: 40.210 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 93 Resp: 435322

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.7	9.1	13.7



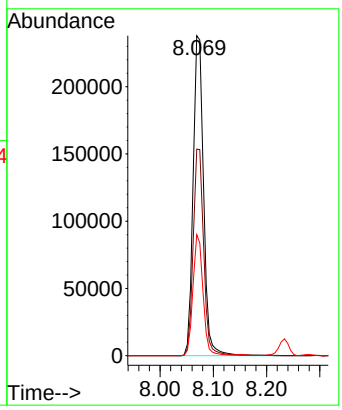


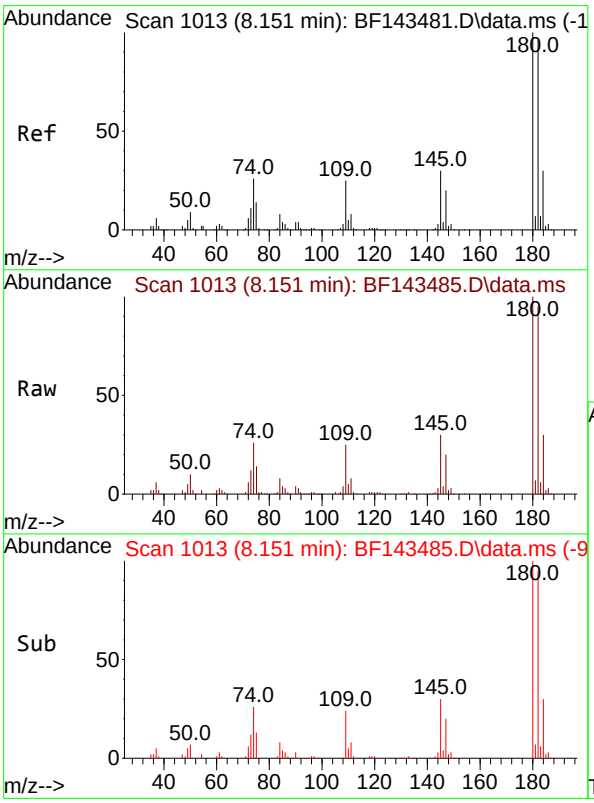
#29
2,4-Dichlorophenol
Concen: 40.217 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:162 Resp: 324407

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.5	83.5
98	37.8	15.1	55.1

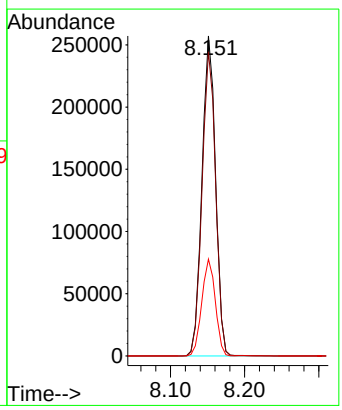


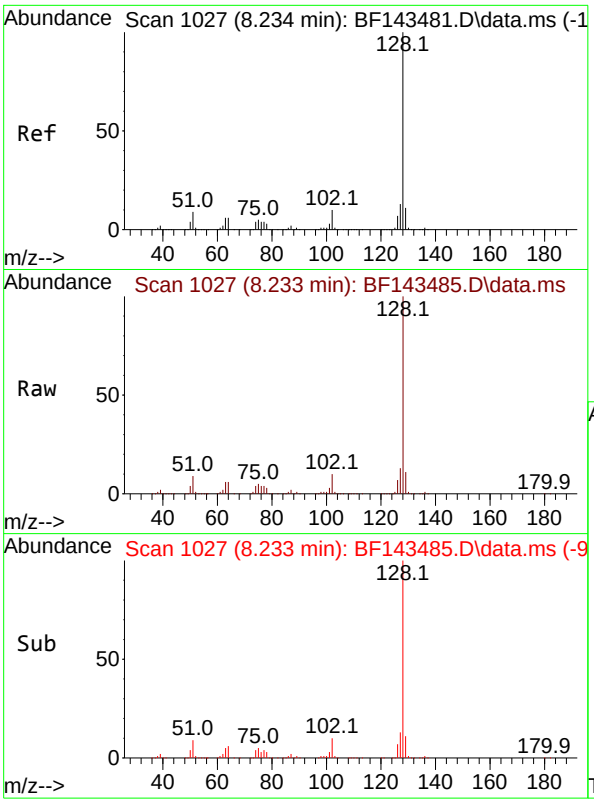


#30
1,2,4-Trichlorobenzene
Concen: 39.404 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:180 Resp: 326797

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	30.3	24.3	36.5



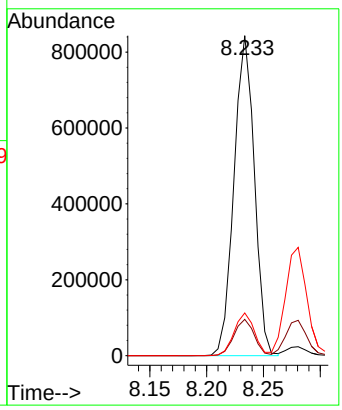


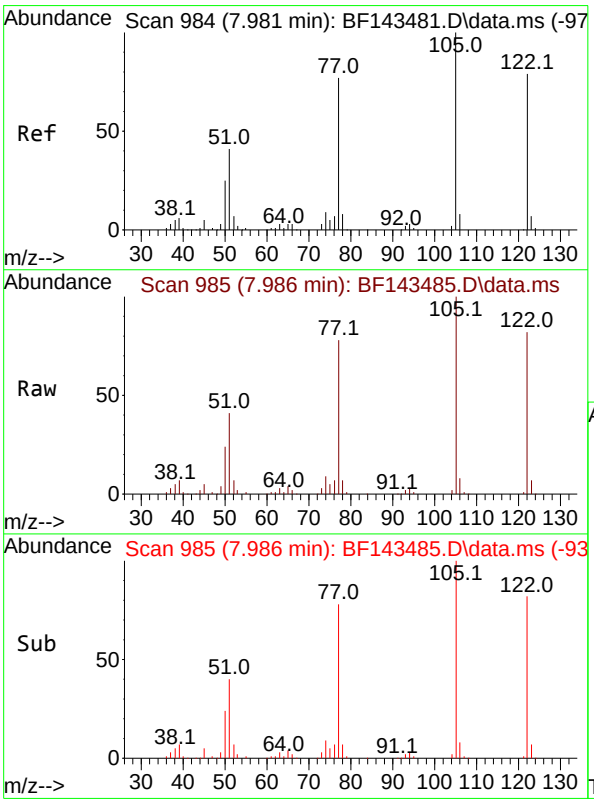
#31
Naphthalene
Concen: 39.033 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:128 Resp: 1050936

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.3	10.6	16.0

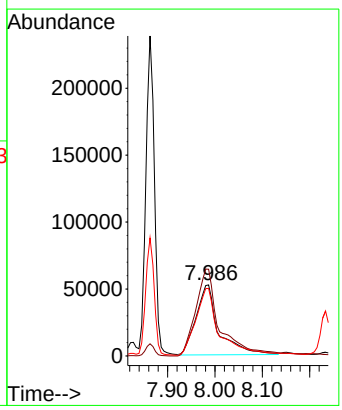


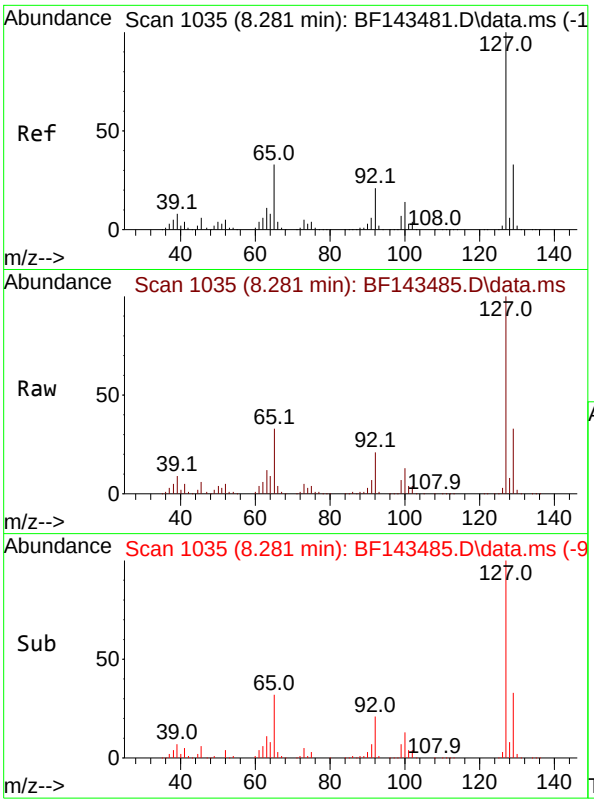


#32
Benzoic acid
Concen: 41.489 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.024 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:122 Resp: 174224

Ion	Ratio	Lower	Upper
122	100		
105	122.1	104.7	144.7
77	95.0	77.3	117.3



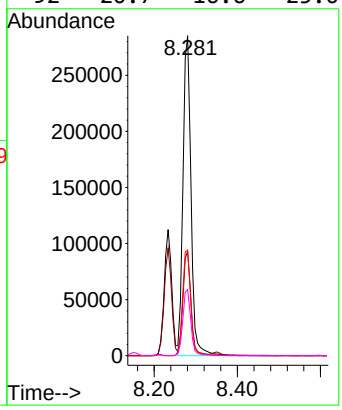


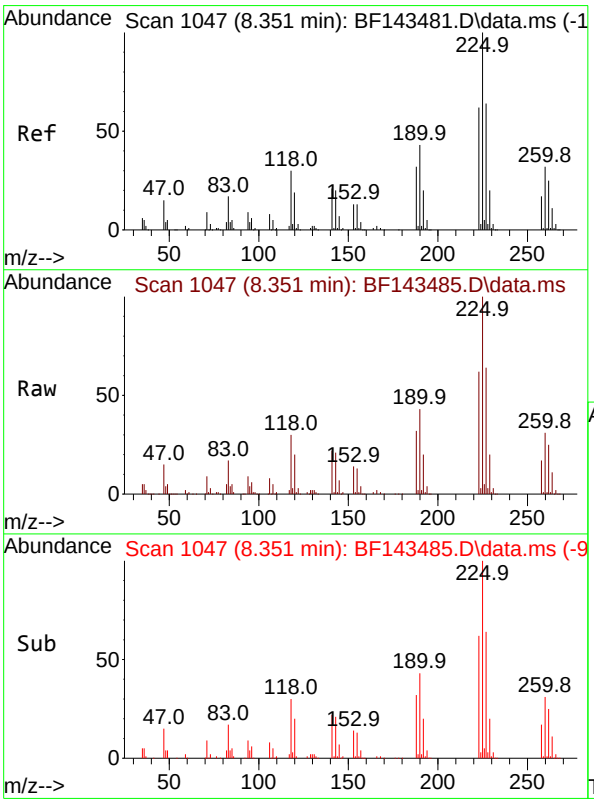
#33
4-Chloroaniline
Concen: 40.234 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:127 Resp: 384473

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.9	26.2	39.2
92	20.7	16.6	25.0

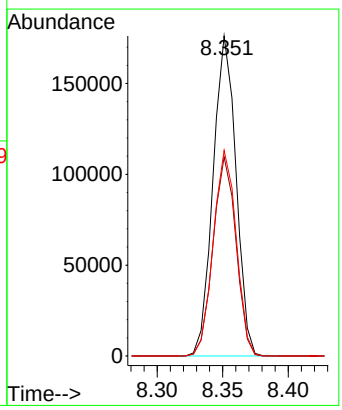


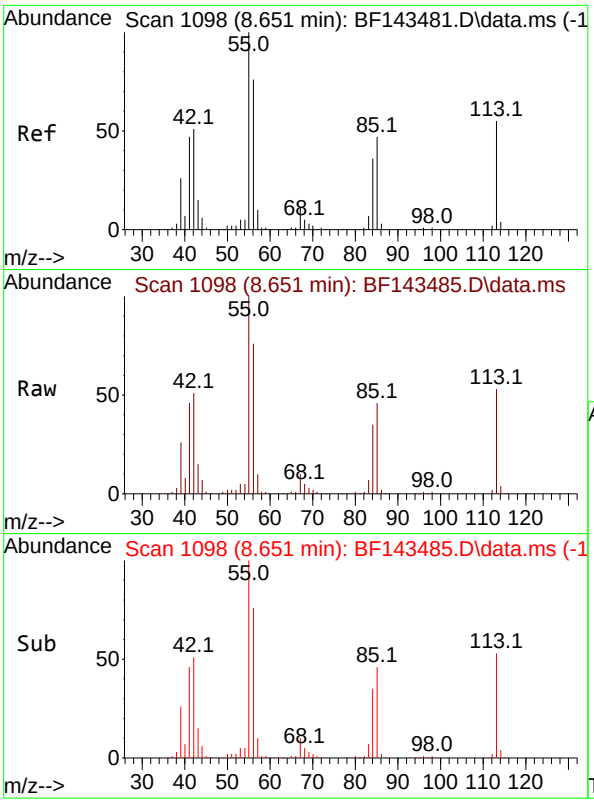


#34
Hexachlorobutadiene
Concen: 39.523 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:225 Resp: 213848

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	64.2	50.9	76.3



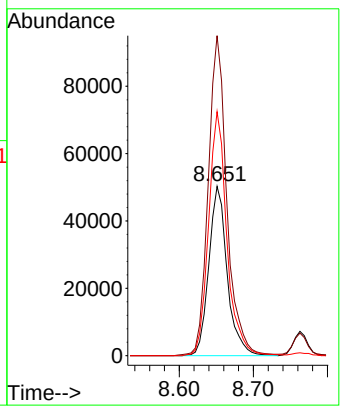


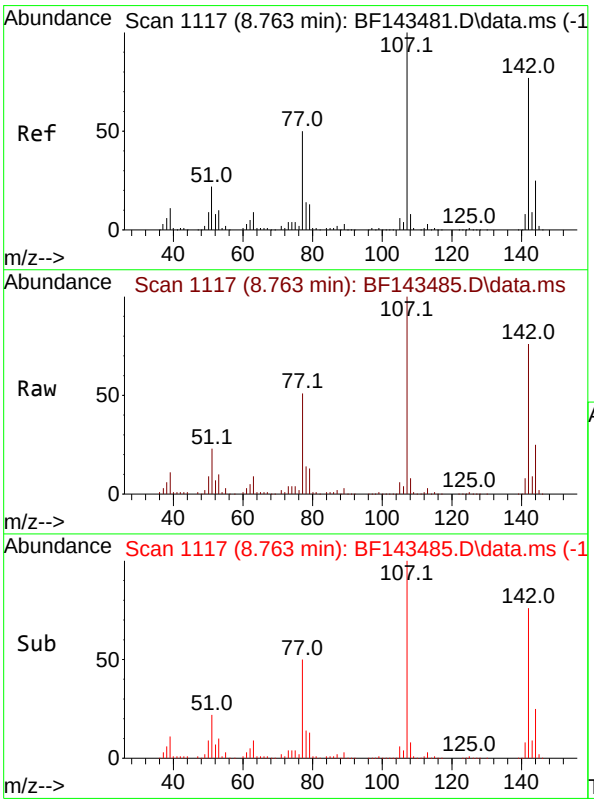
#35
Caprolactam
Concen: 44.838 ng
RT: 8.651 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:113 Resp: 86788

Ion	Ratio	Lower	Upper
113	100		
55	188.9	162.8	202.8
56	144.0	118.1	158.1

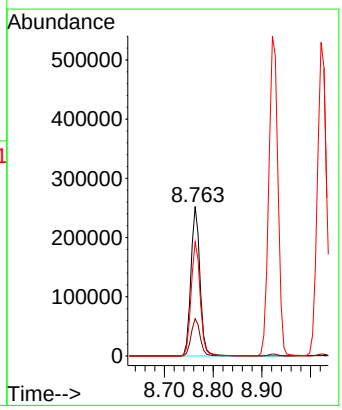


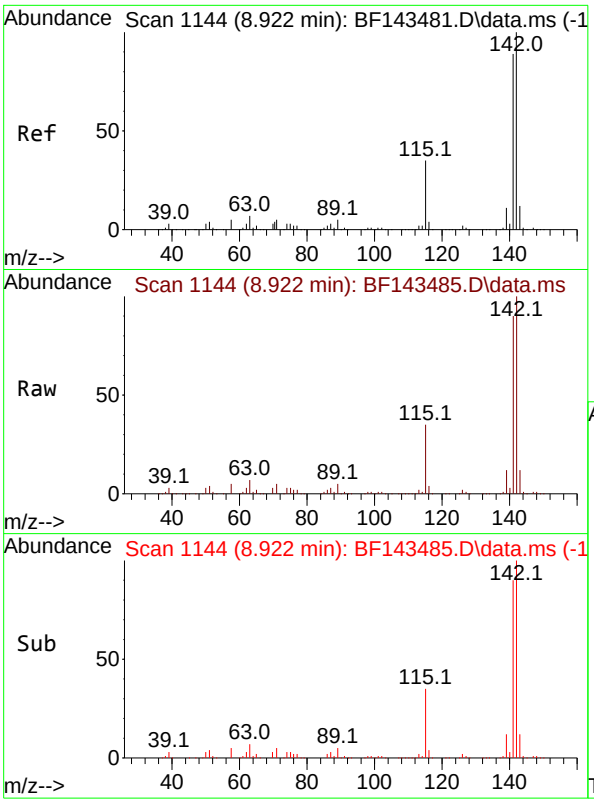


#36
4-Chloro-3-methylphenol
Concen: 40.569 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:107 Resp: 327951

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	76.5	61.8	92.8



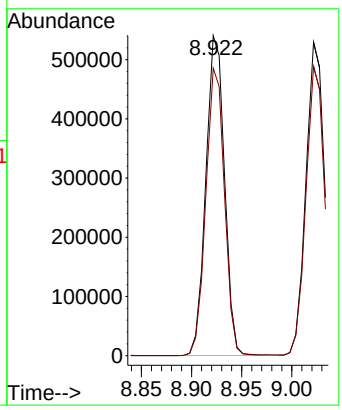


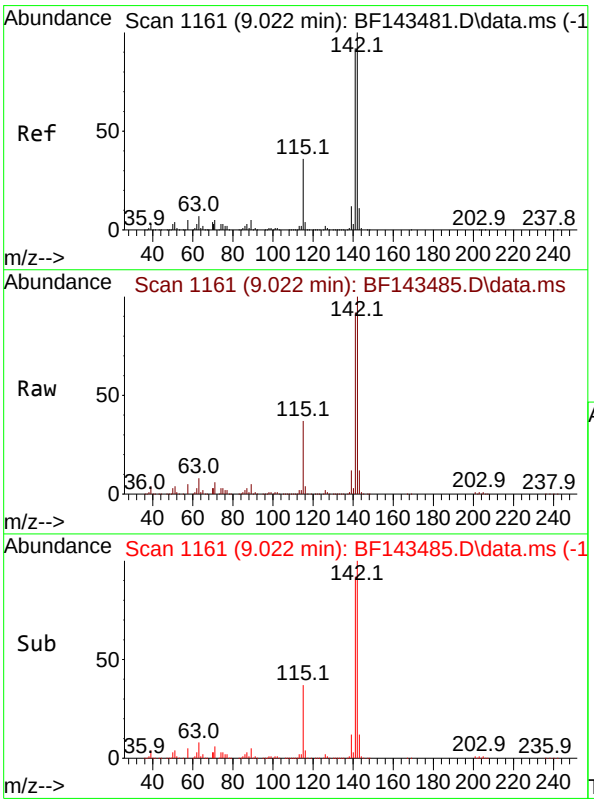
#37
2-Methylnaphthalene
Concen: 38.877 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:142 Resp: 699087

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.0	106.4

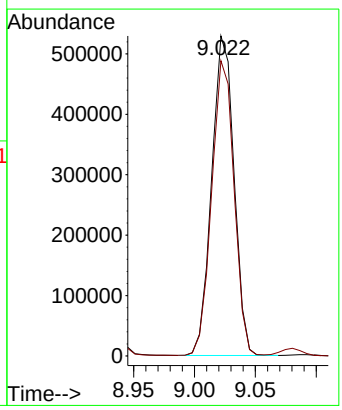


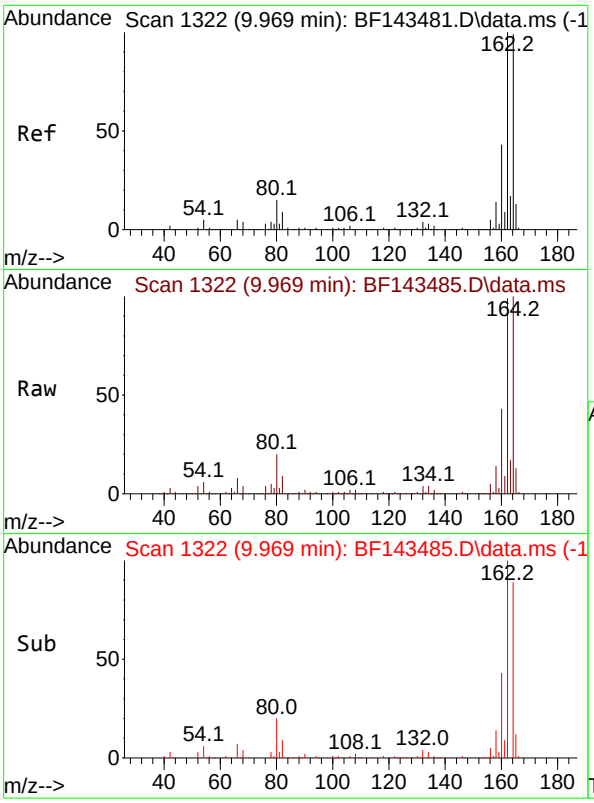


#38
1-Methylnaphthalene
Concen: 39.260 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:142 Resp: 675310

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.3	109.9



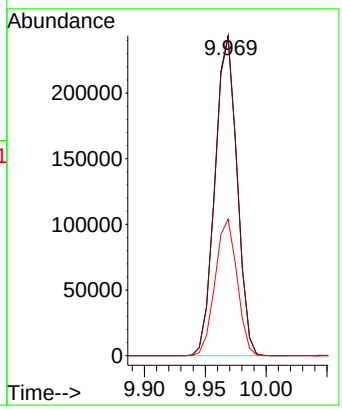


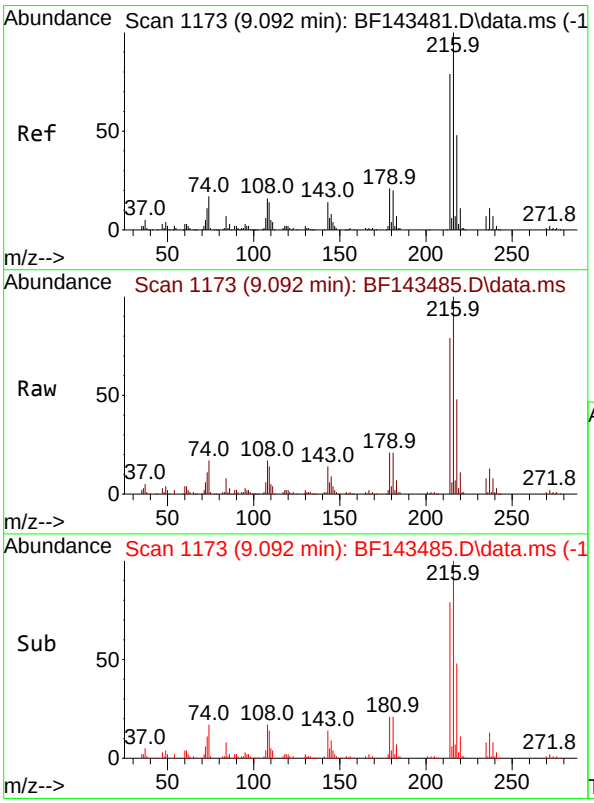
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:164 Resp: 307376

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.5	120.7
160	42.7	34.3	51.5

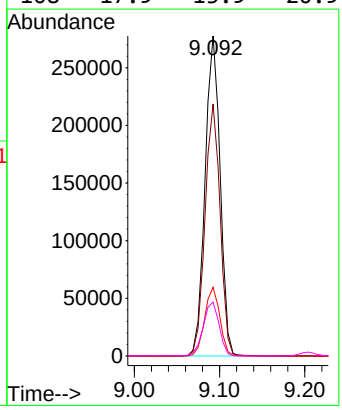


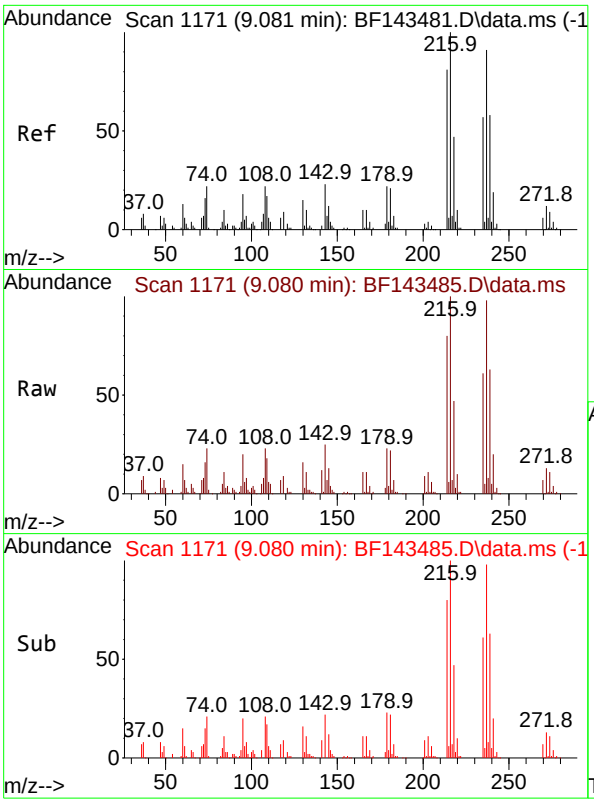


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.786 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:216 Resp: 341006

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.0
179	21.5	16.5	24.7
108	17.9	13.9	20.9



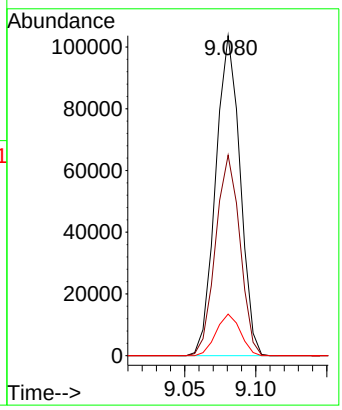


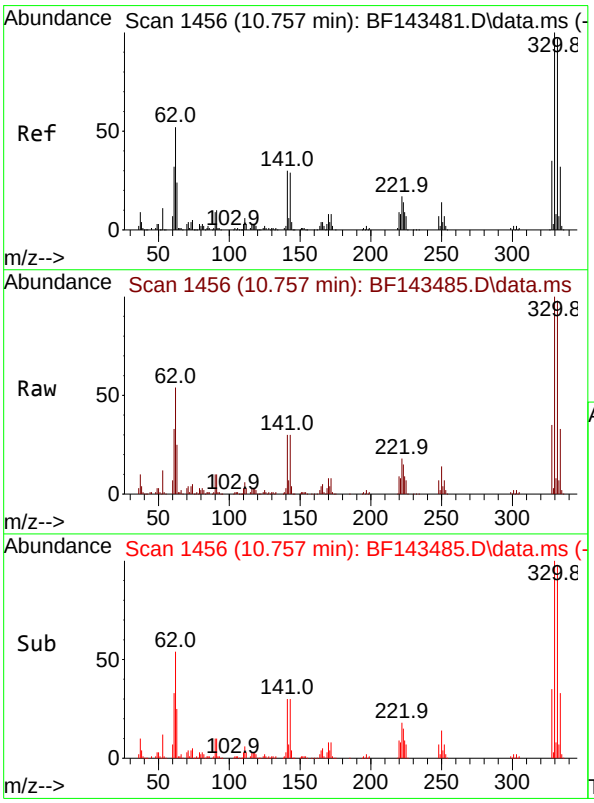
#41
Hexachlorocyclopentadiene
Concen: 39.756 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:237 Resp: 123767

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.6	82.6
272	13.0	0.0	33.4

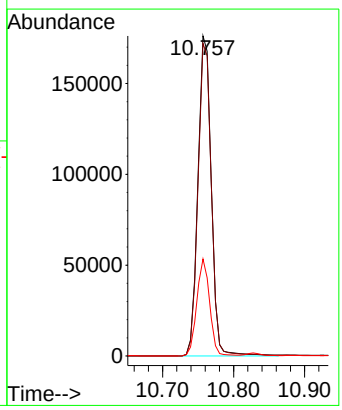


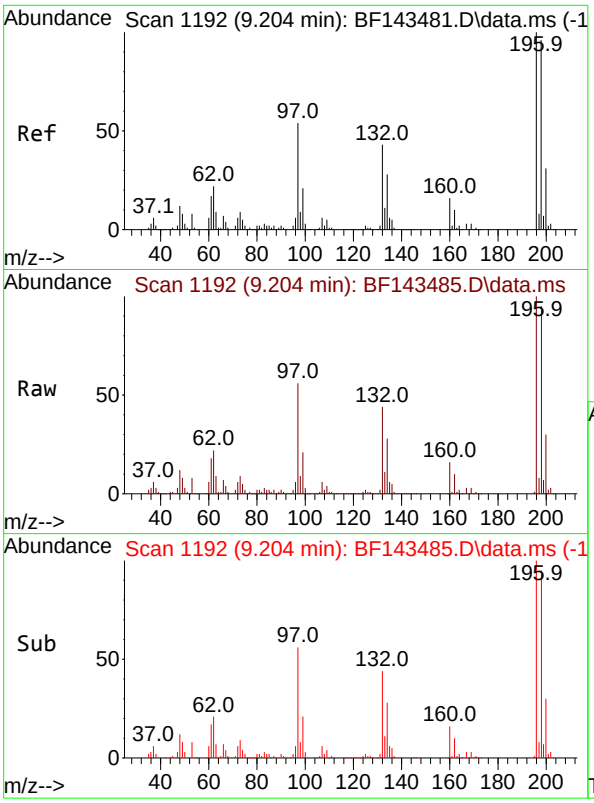


#42
2,4,6-Tribromophenol
Concen: 80.753 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:330 Resp: 231053

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.0	117.0
141	29.3	23.7	35.5



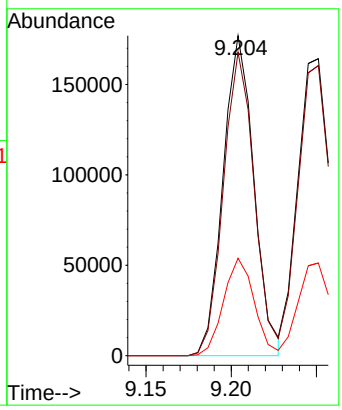


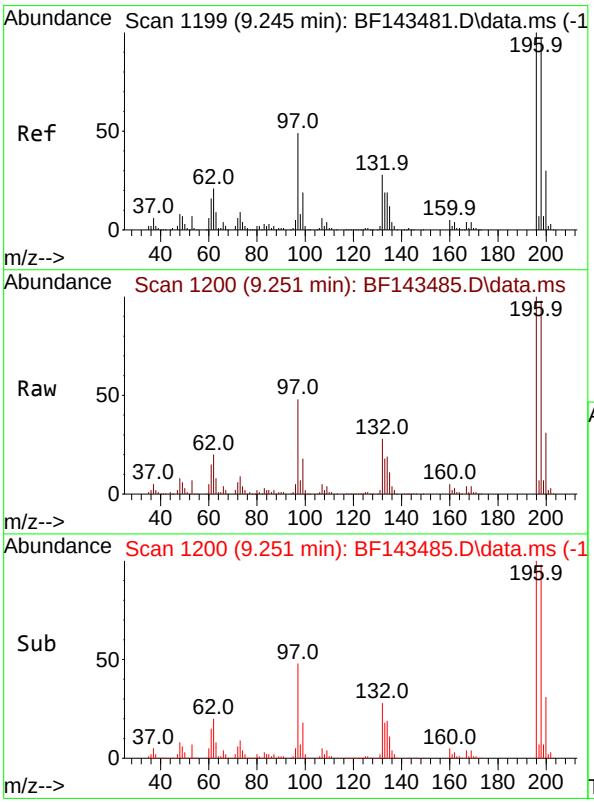
#43
2,4,6-Trichlorophenol
Concen: 41.105 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:196 Resp: 222378

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.0	115.4
200	30.4	24.6	37.0

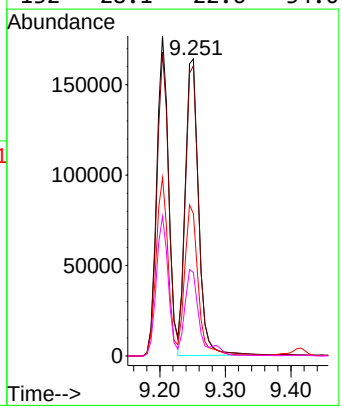


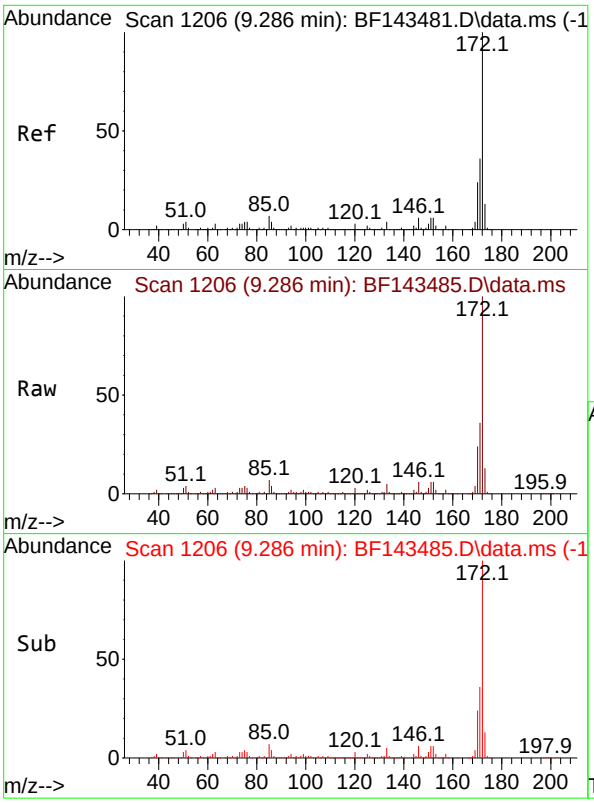


#44
2,4,5-Trichlorophenol
Concen: 39.178 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:196 Resp: 231521

Ion	Ratio	Lower	Upper
196	100		
198	97.7	77.3	115.9
97	47.9	40.0	60.0
132	28.1	22.6	34.0



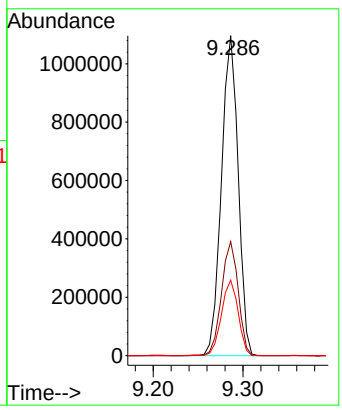


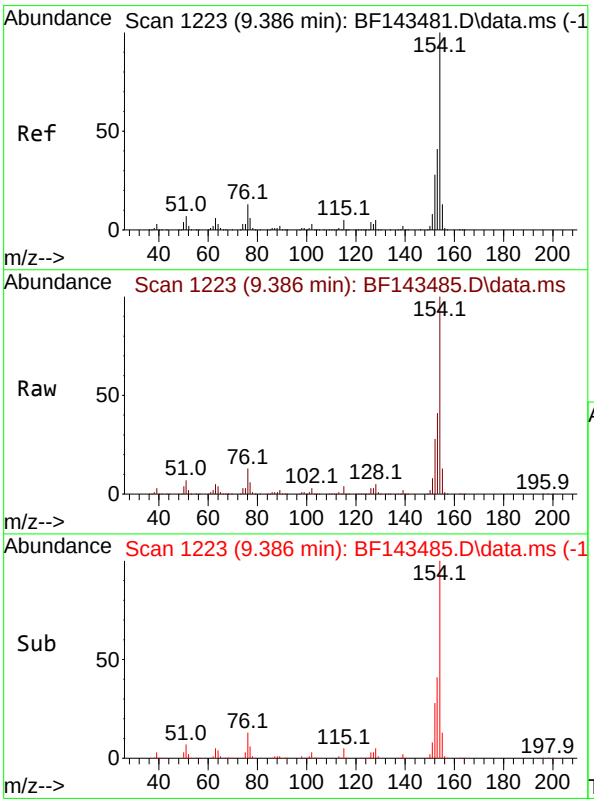
#45
2-Fluorobiphenyl
Concen: 76.290 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:172 Resp: 1418903

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.6	18.8	28.2

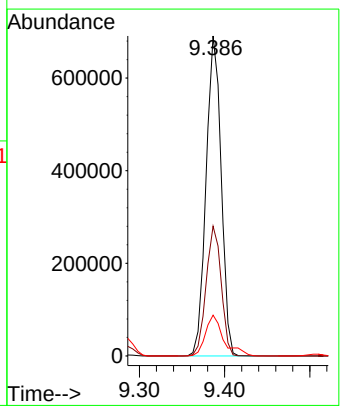


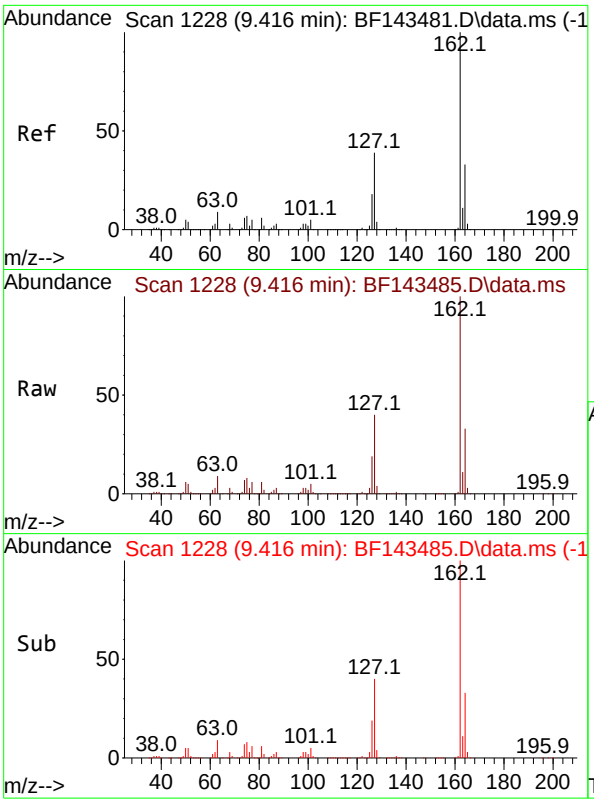


#46
1,1'-Biphenyl
Concen: 38.997 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:154 Resp: 850787

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	12.8	0.0	33.0



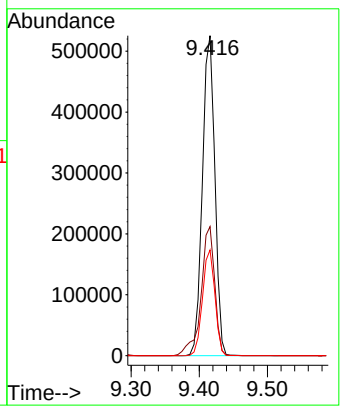


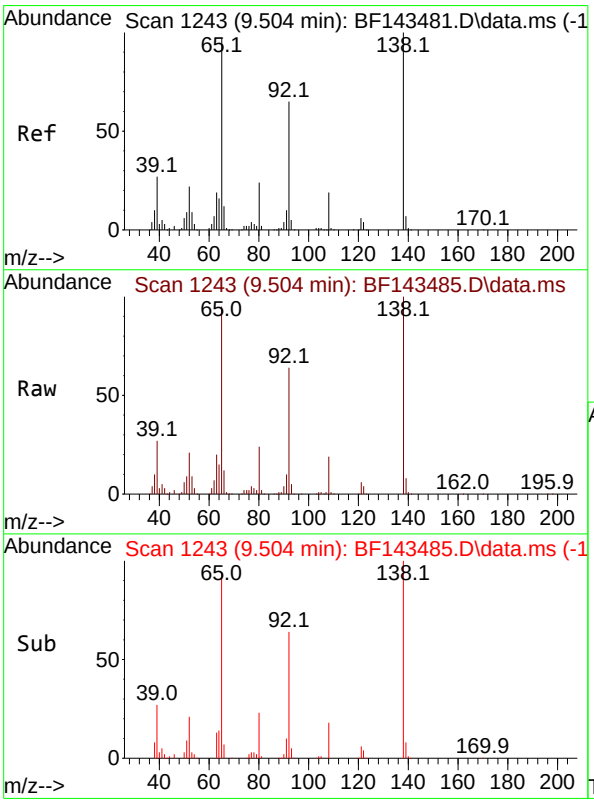
#47
2-Chloronaphthalene
Concen: 39.068 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:162 Resp: 668760

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.8	47.6
164	33.0	26.4	39.6

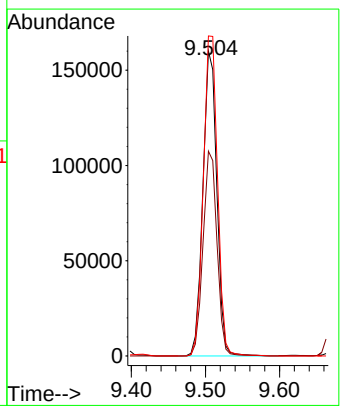


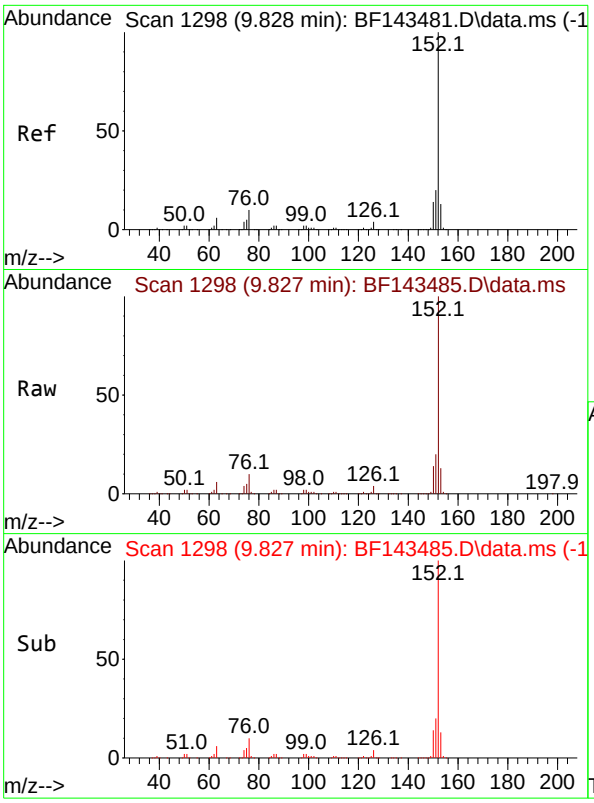


#48
2-Nitroaniline
Concen: 41.861 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion: 65 Resp: 209716

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.8	80.6
138	104.9	82.4	123.6



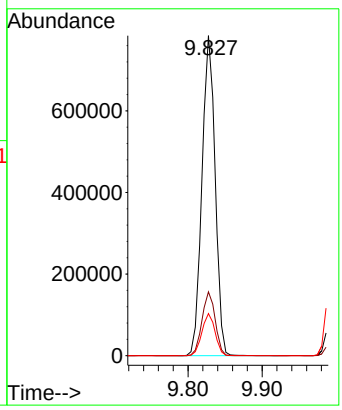


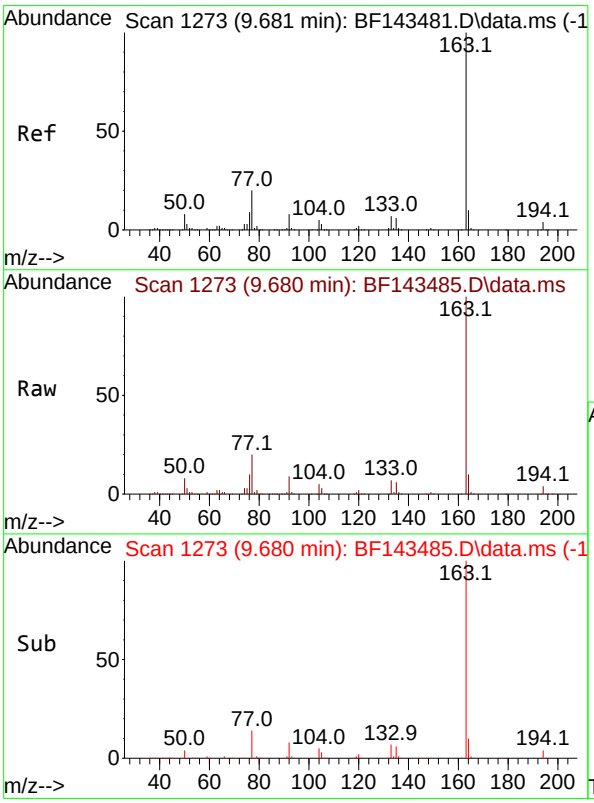
#49
Acenaphthylene
Concen: 39.557 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:152 Resp: 969574

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.1	10.6	15.8

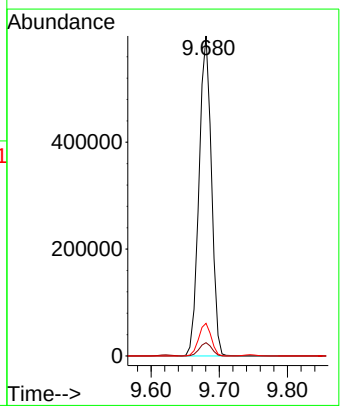


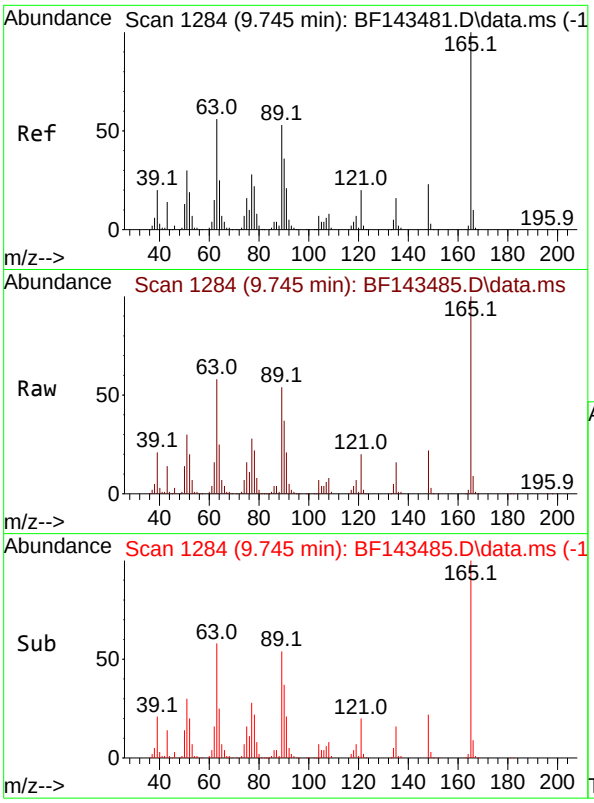


#50
Dimethylphthalate
Concen: 40.935 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:163 Resp: 757804

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2



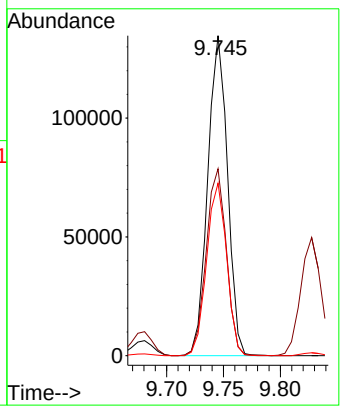


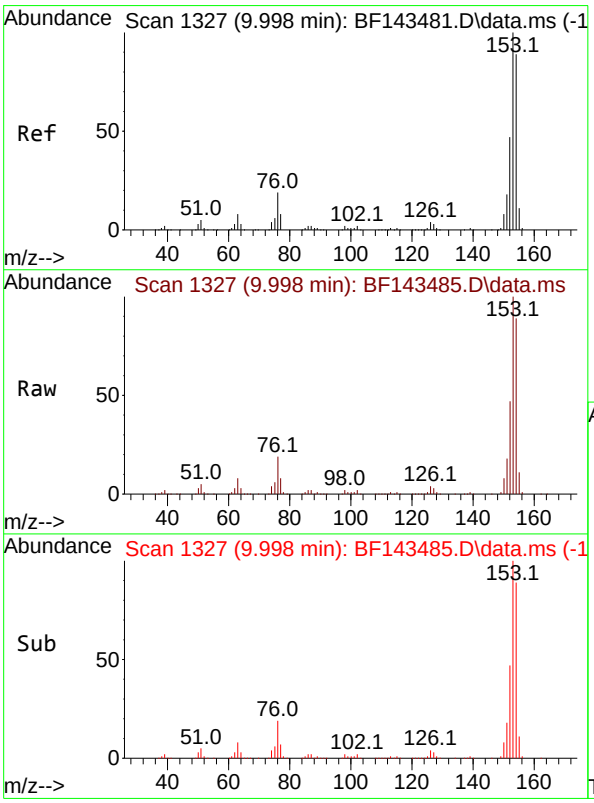
#51
2,6-Dinitrotoluene
Concen: 42.459 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:165 Resp: 162905

Ion	Ratio	Lower	Upper
165	100		
63	58.4	45.0	67.6
89	53.9	42.5	63.7

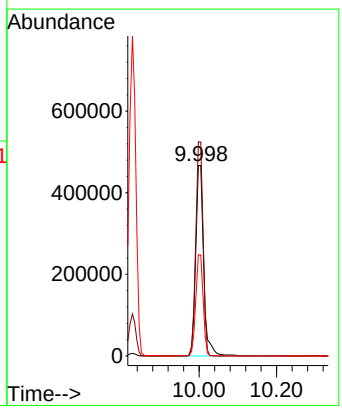


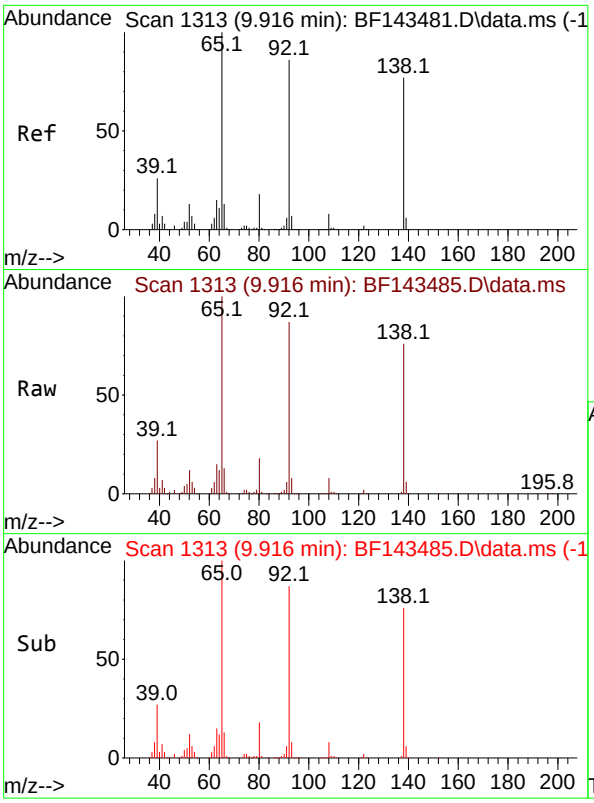


#52
Acenaphthene
Concen: 39.941 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:154 Resp: 664685

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.5	134.3
152	53.1	42.5	63.7



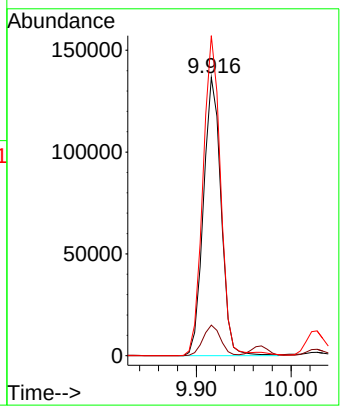


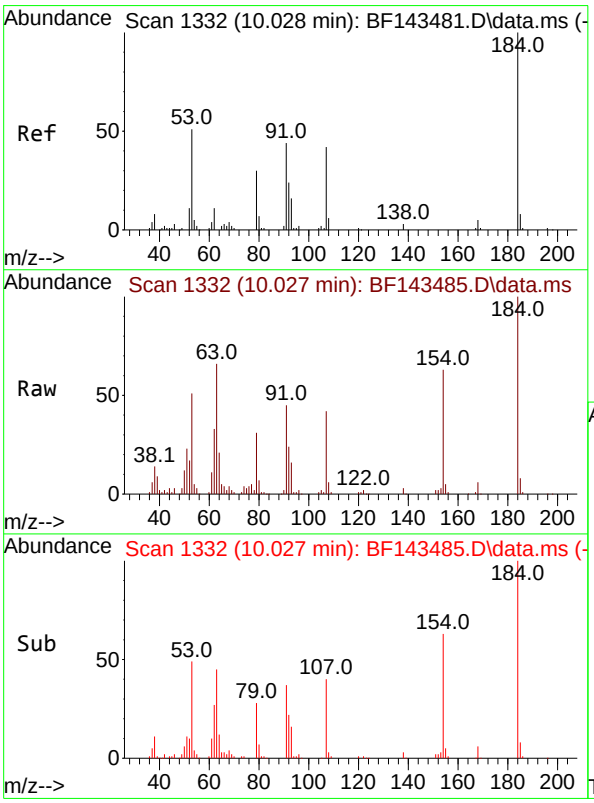
#53
3-Nitroaniline
Concen: 42.506 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:138 Resp: 176223

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.6	13.0
92	115.0	89.8	134.8

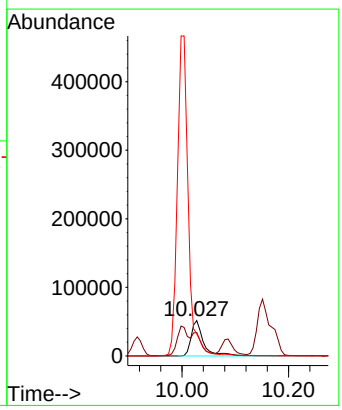


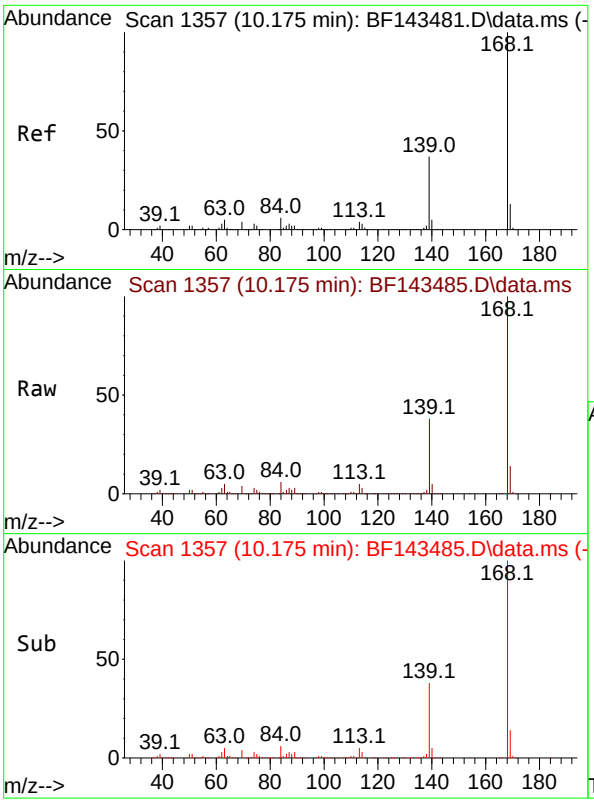


#54
2,4-Dinitrophenol
Concen: 43.761 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.001 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:184 Resp: 84522

Ion	Ratio	Lower	Upper
184	100		
63	66.1	52.6	78.8
154	62.6	51.0	76.4



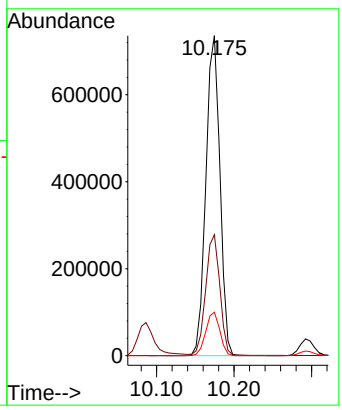


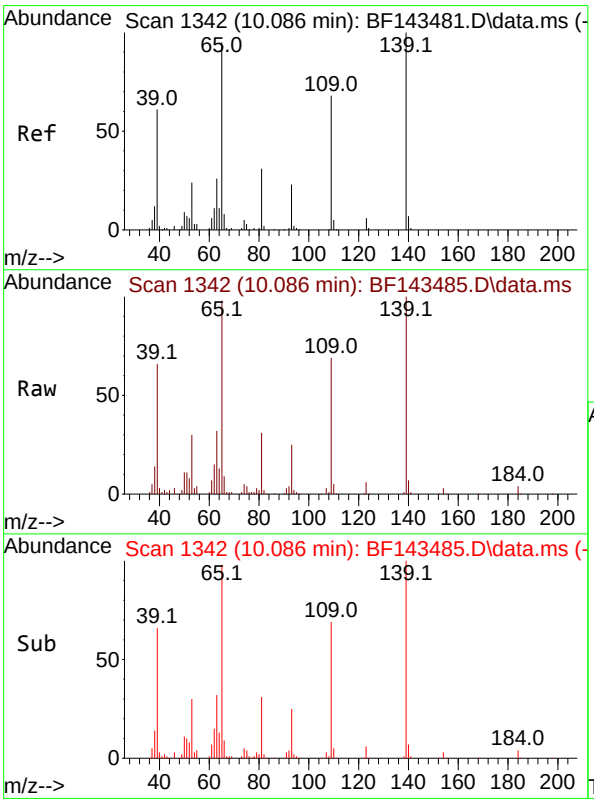
#55
Dibenzofuran
Concen: 39.023 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:168 Resp: 925864

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.8	44.6
169	13.6	10.8	16.2

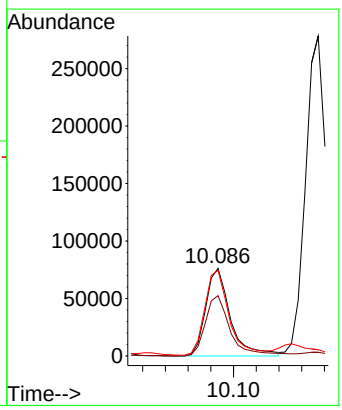


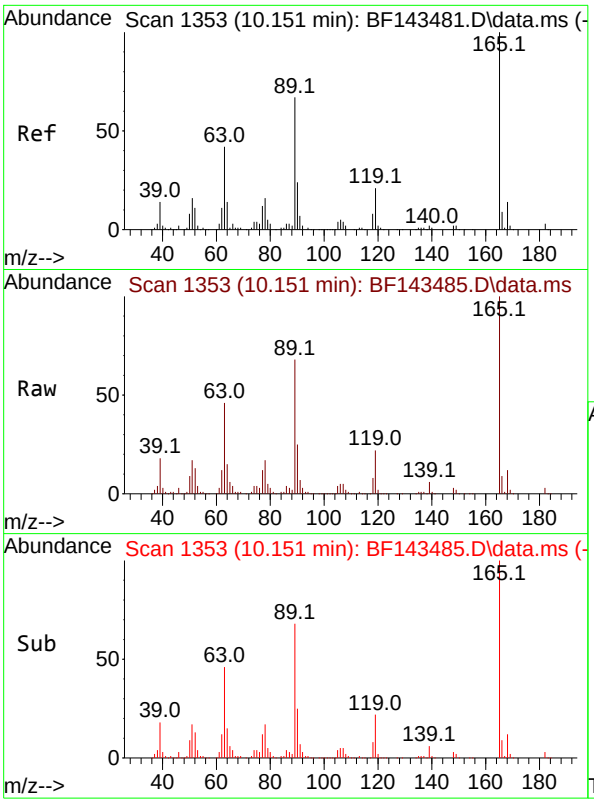


#56
4-Nitrophenol
Concen: 46.387 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:139 Resp: 114429

Ion	Ratio	Lower	Upper
139	100		
109	68.9	48.2	88.2
65	97.6	75.8	115.8



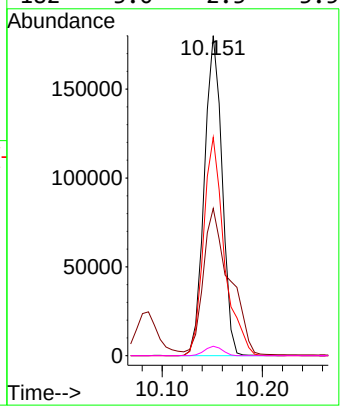


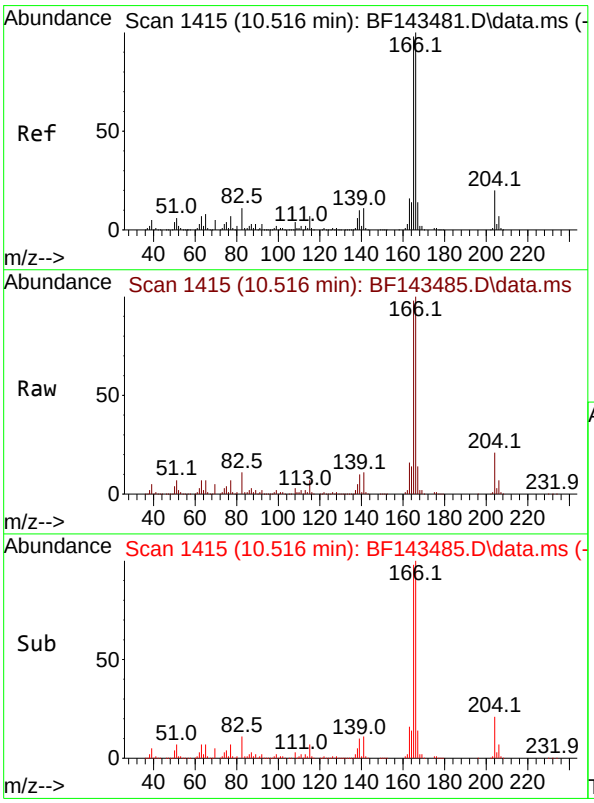
#57
2,4-Dinitrotoluene
Concen: 43.183 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:165 Resp: 221231

Ion	Ratio	Lower	Upper
165	100		
63	46.0	34.9	52.3
89	68.2	53.3	79.9
182	3.0	2.3	3.5

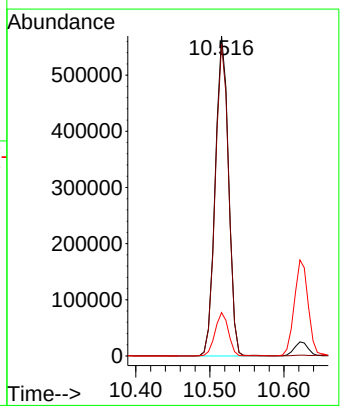


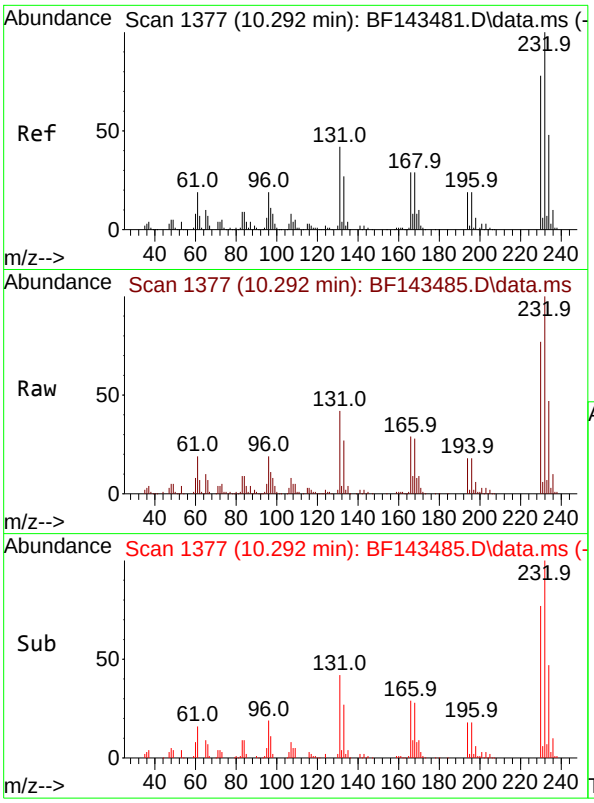


#58
Fluorene
Concen: 38.901 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:166 Resp: 710368

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.5	11.0	16.4



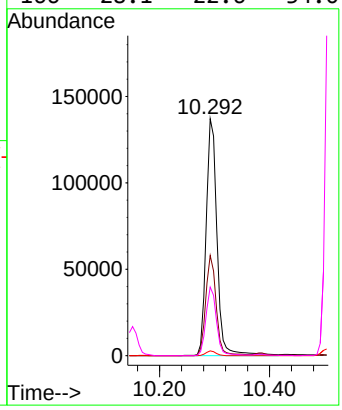


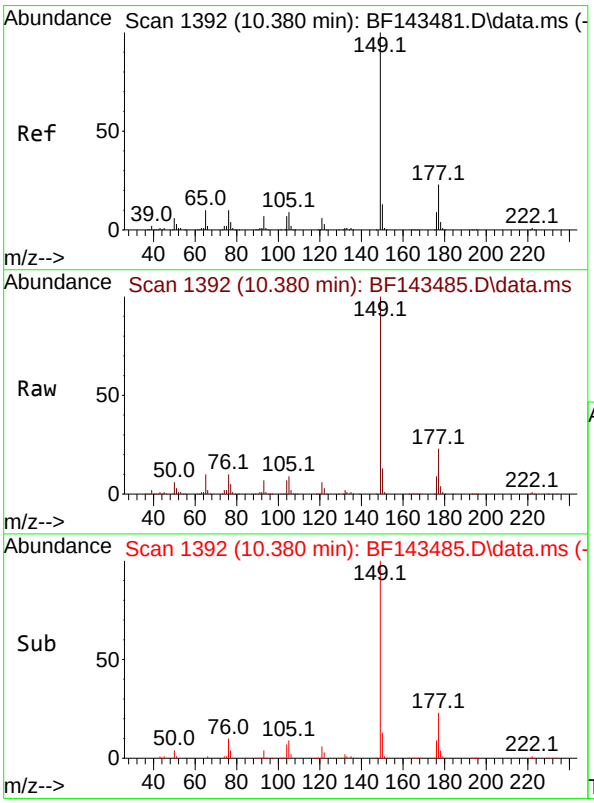
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.767 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:232 Resp: 187764

Ion	Ratio	Lower	Upper
232	100		
131	40.8	32.7	49.1
130	1.9	1.6	2.4
166	28.1	22.6	34.0

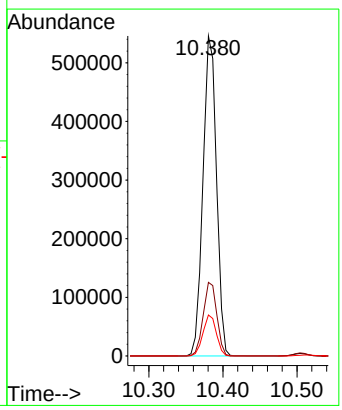


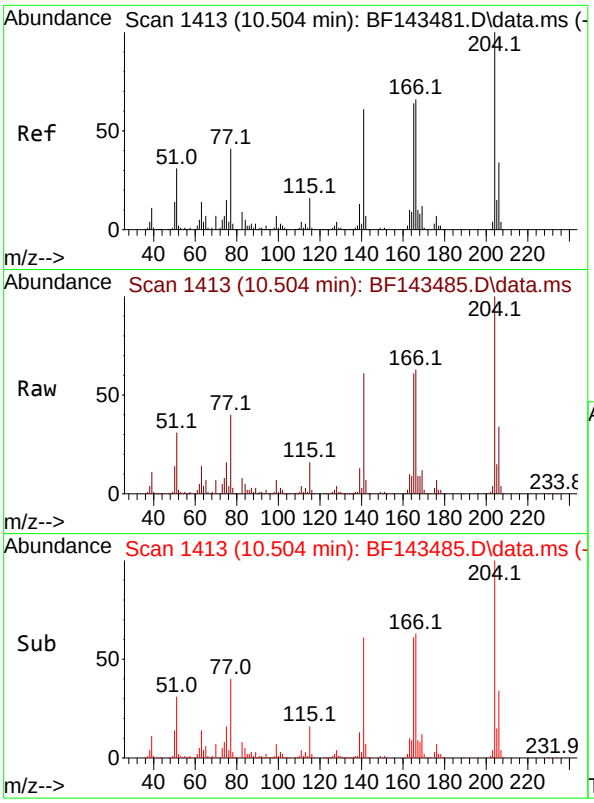


#60
Diethylphthalate
Concen: 41.708 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 692256

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	12.8	10.3	15.5



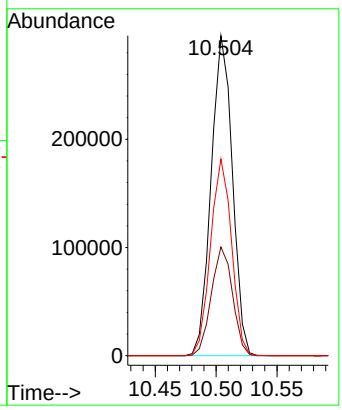


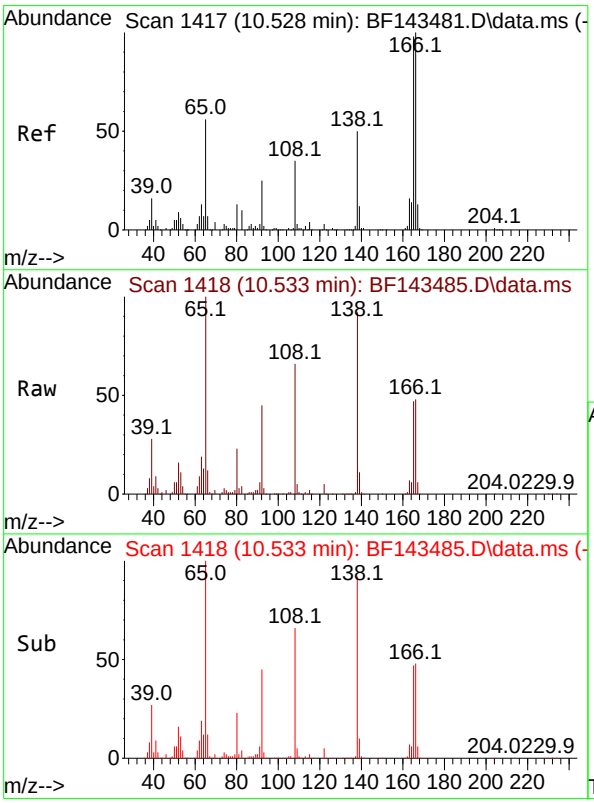
#61
4-Chlorophenyl-phenylether
Concen: 39.269 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:204 Resp: 358628

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.0	40.4
141	61.4	48.7	73.1

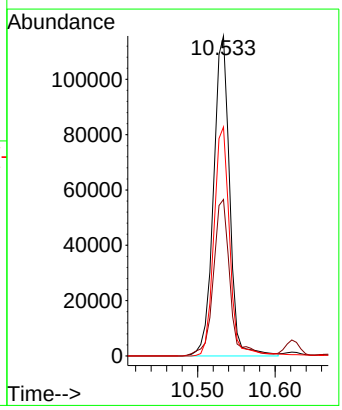


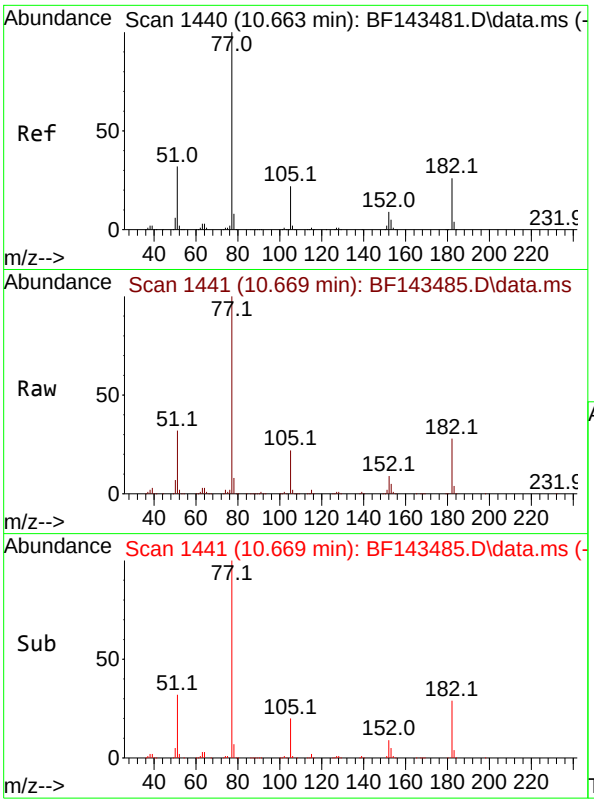


#62
4-Nitroaniline
Concen: 43.927 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:138 Resp: 167278

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.3	69.3
108	71.6	50.7	90.7



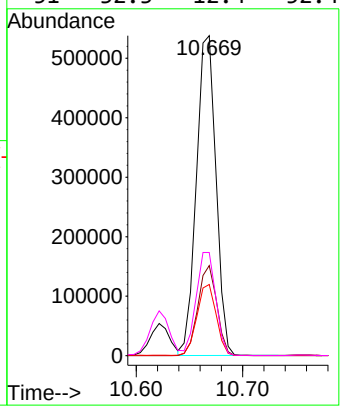


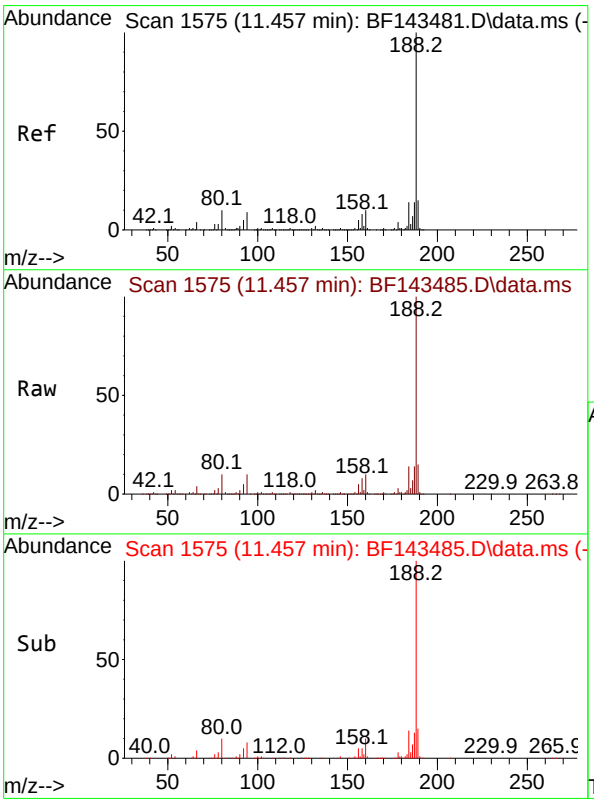
#63
Azobenzene
Concen: 39.982 ng
RT: 10.669 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion: 77 Resp: 688082

Ion	Ratio	Lower	Upper
77	100		
182	28.2	6.2	46.2
105	22.2	2.2	42.2
51	32.3	12.4	52.4

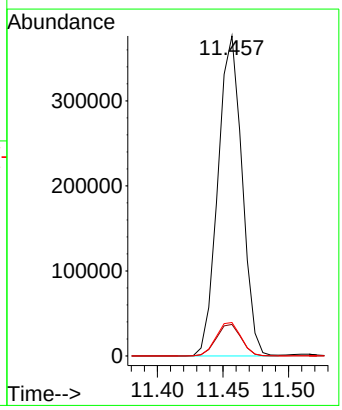


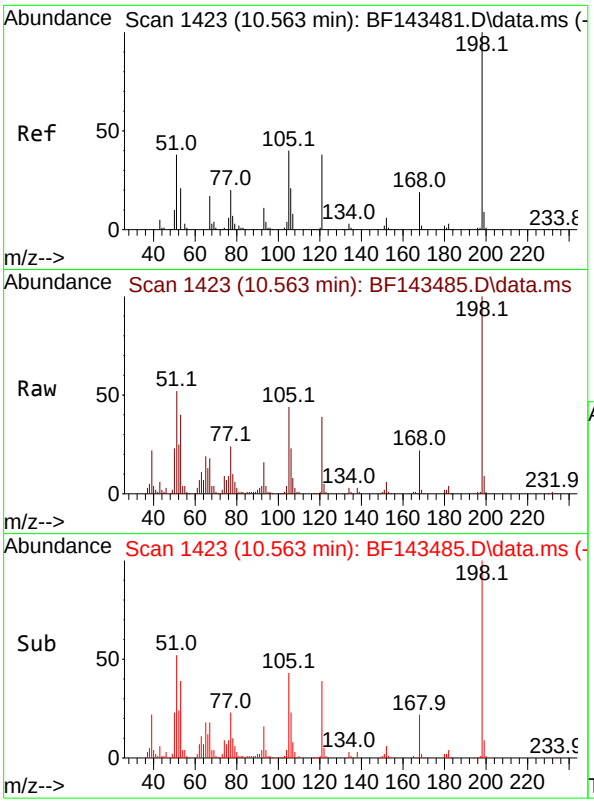


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:188 Resp: 481864

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	10.5	8.2	12.4



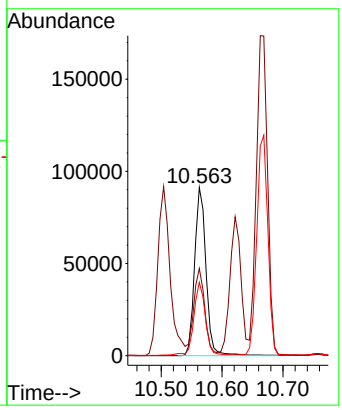


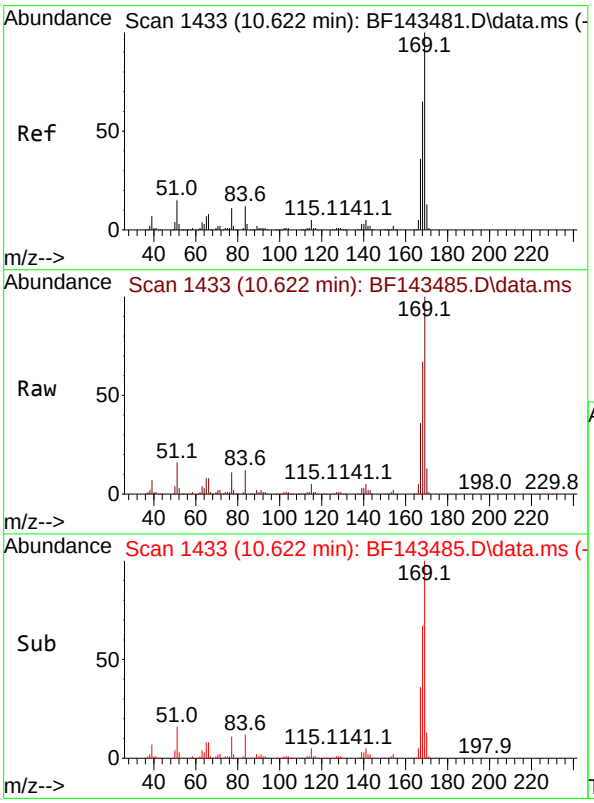
#65
4,6-Dinitro-2-methylphenol
Concen: 43.849 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:198 Resp: 119136

Ion	Ratio	Lower	Upper
198	100		
51	51.9	29.6	69.6
105	43.6	21.5	61.5

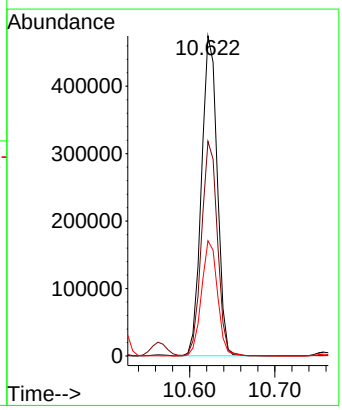


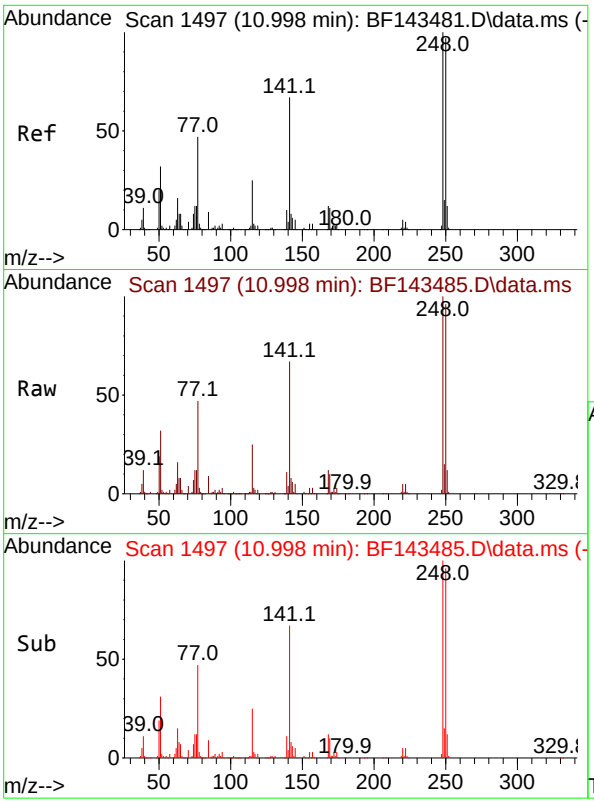


#66
n-Nitrosodiphenylamine
Concen: 39.212 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:169 Resp: 608072

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.4	78.6
167	36.0	28.9	43.3



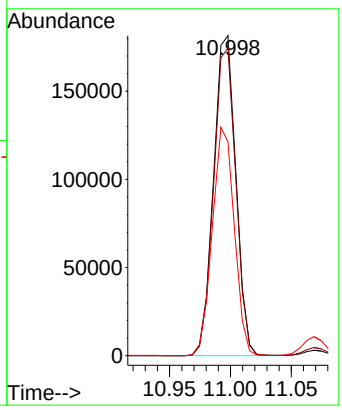


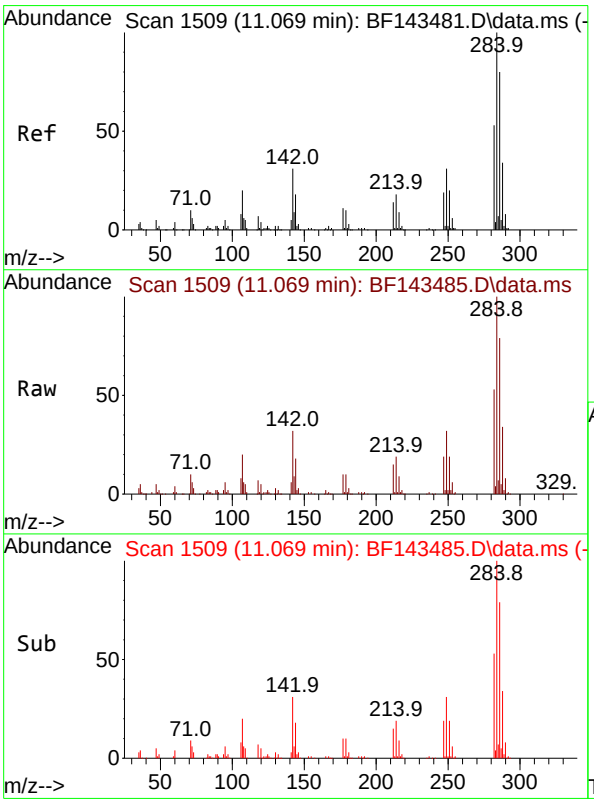
#67
4-Bromophenyl-phenylether
Concen: 40.305 ng
RT: 10.998 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:248 Resp: 231727

Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.8	116.8
141	66.9	54.0	81.0

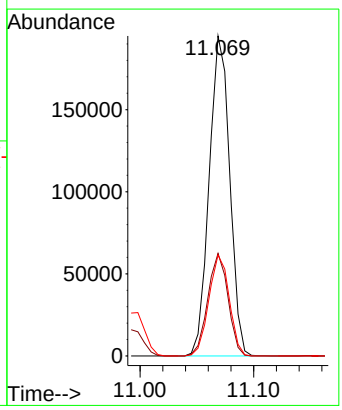


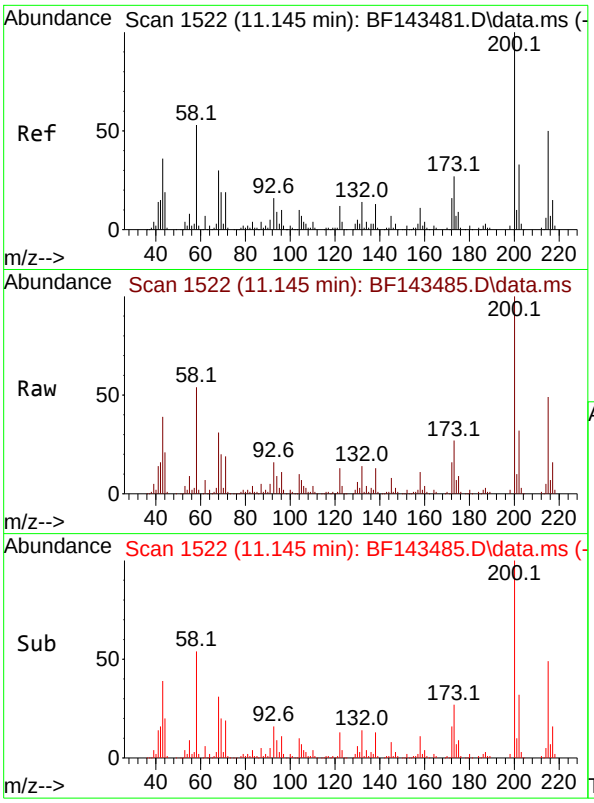


#68
Hexachlorobenzene
Concen: 39.544 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:284 Resp: 245068

Ion	Ratio	Lower	Upper
284	100		
142	32.1	24.4	36.6
249	31.5	25.0	37.6



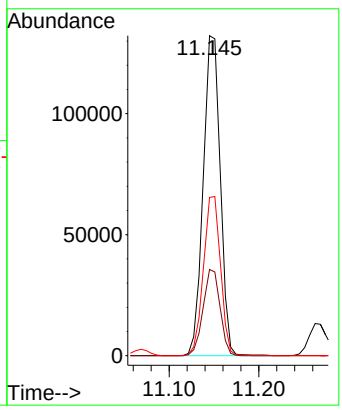


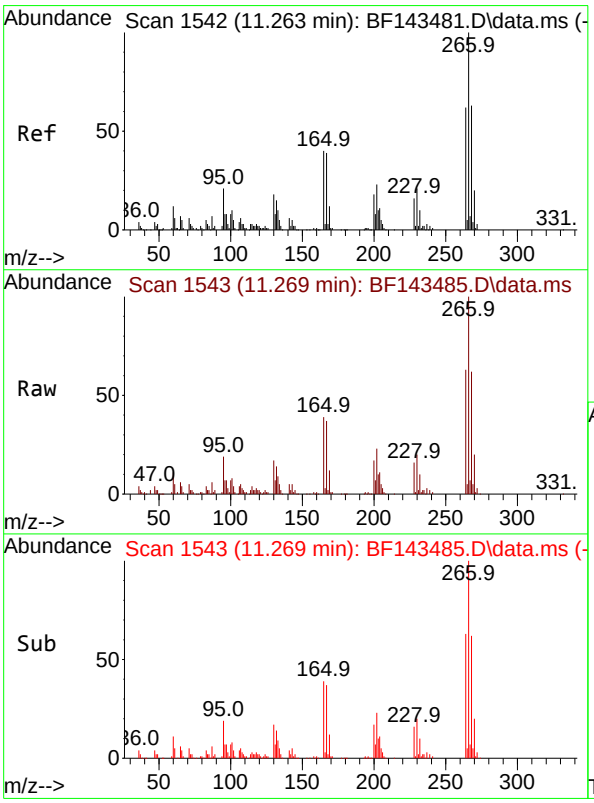
#69
Atrazine
Concen: 43.693 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:200 Resp: 174902

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.9	46.9
215	49.5	30.0	70.0

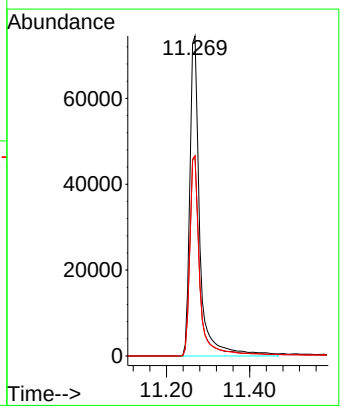


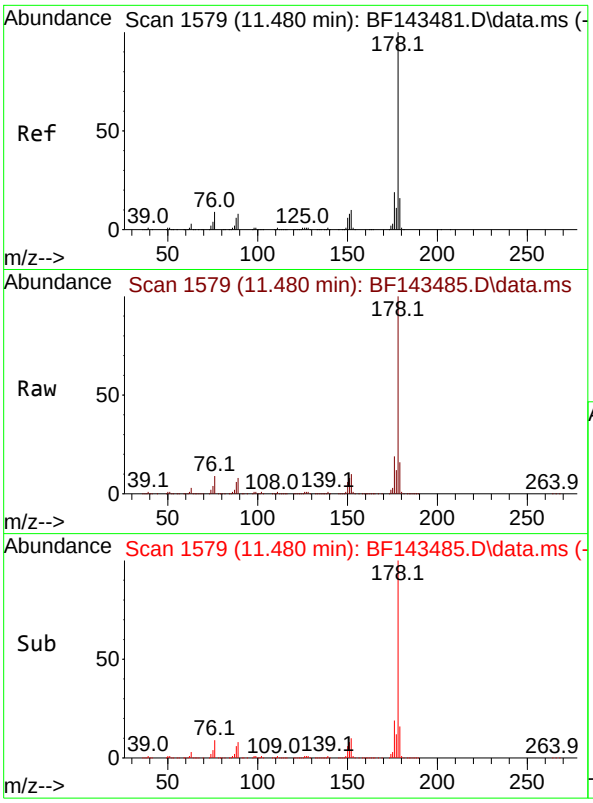


#70
Pentachlorophenol
Concen: 43.916 ng
RT: 11.269 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:266 Resp: 124649

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.5	75.7
264	62.5	49.8	74.8



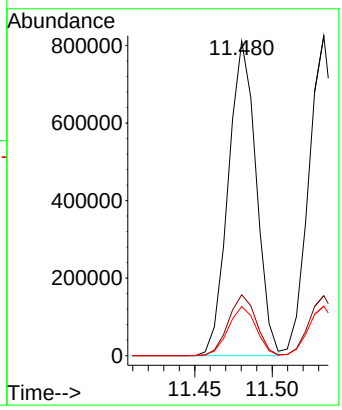


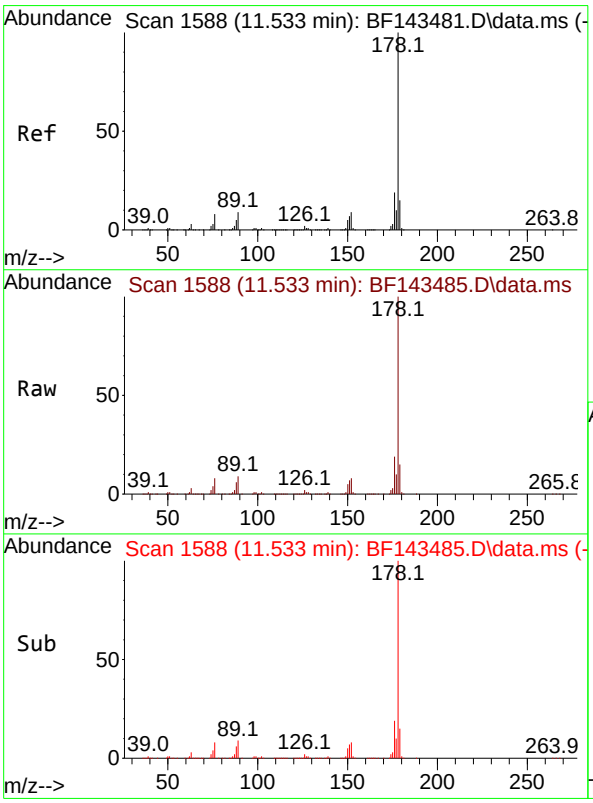
#71
Phenanthrene
Concen: 39.237 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:178 Resp: 1012486

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

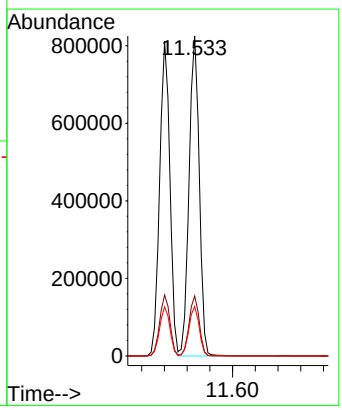


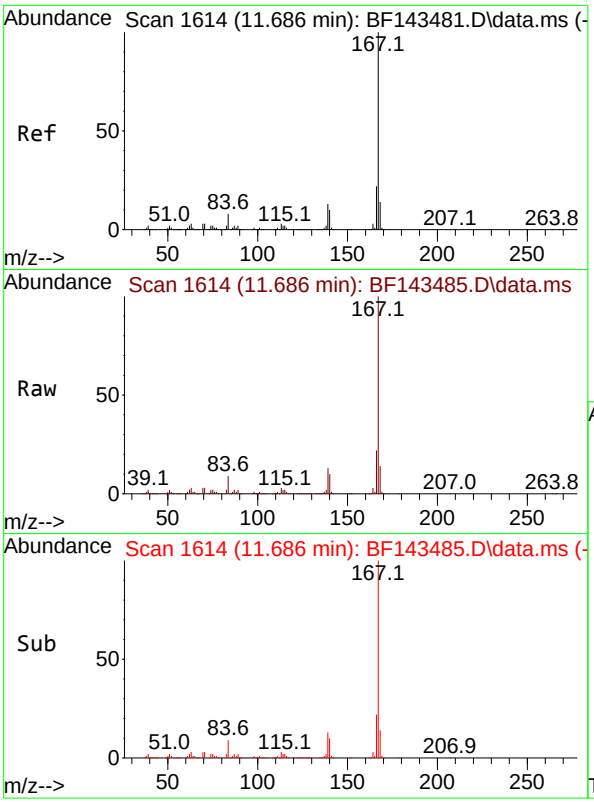


#72
Anthracene
Concen: 39.390 ng
RT: 11.533 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:178 Resp: 1029696

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.3	18.5



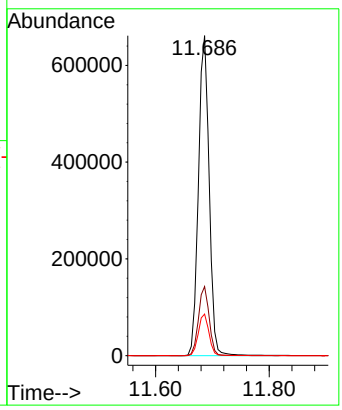


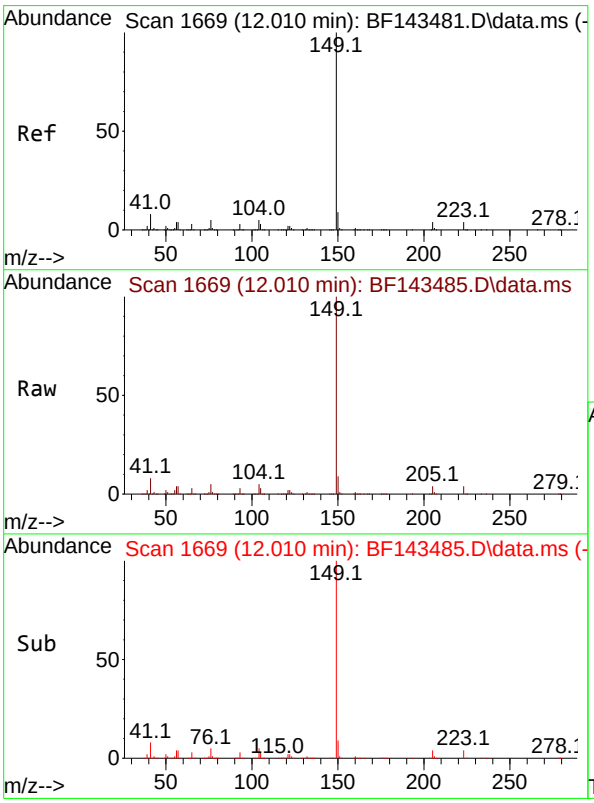
#73
Carbazole
Concen: 40.413 ng
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:167 Resp: 865651

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.0	10.0	15.0

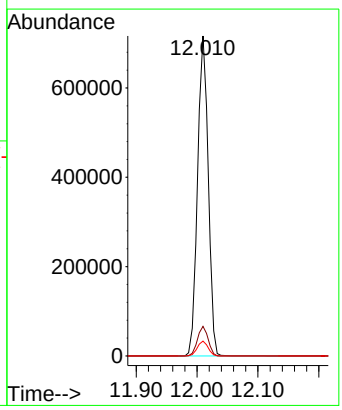


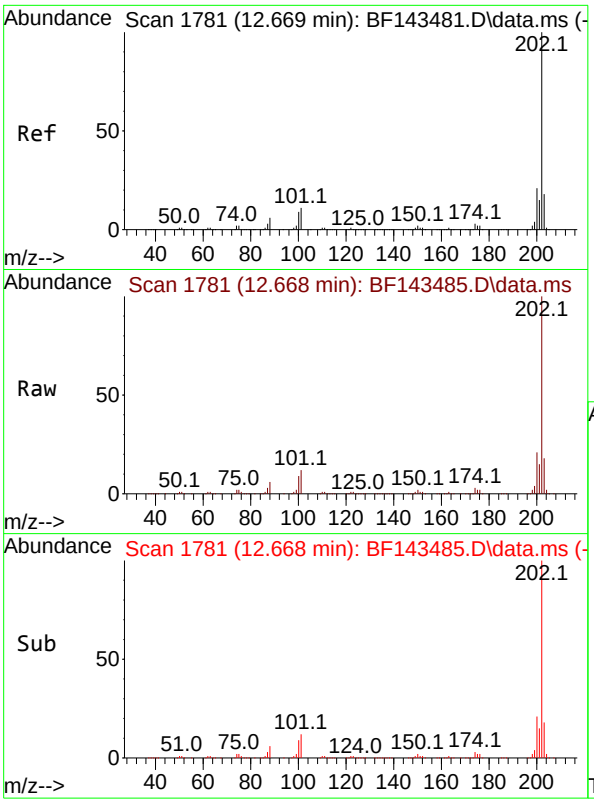


#74
Di-n-butylphthalate
Concen: 43.507 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 869364

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	4.7	3.6	5.4



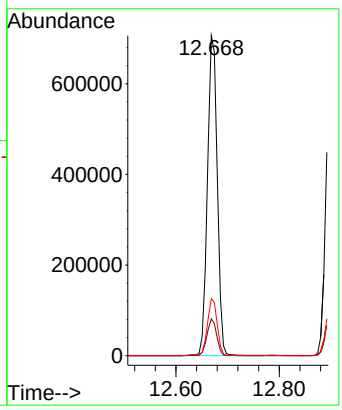


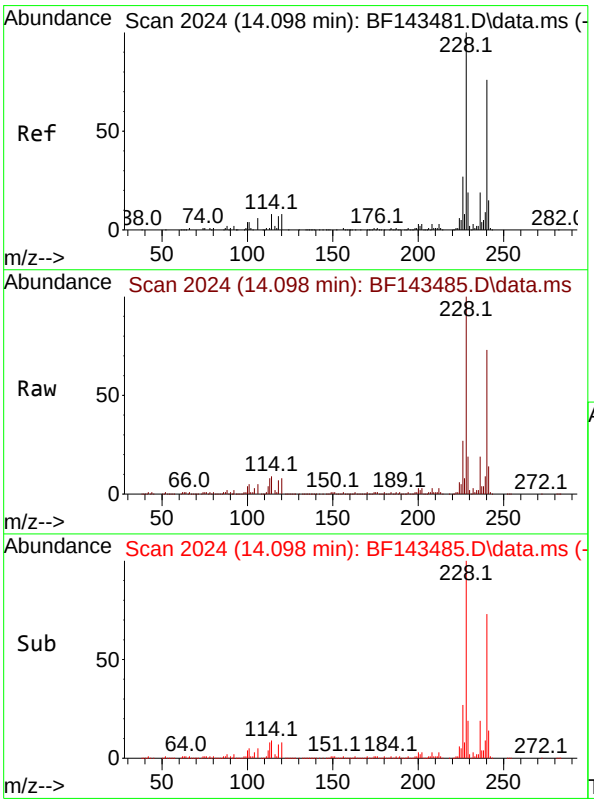
#75
Fluoranthene
Concen: 40.261 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:202 Resp: 932217

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.3
203	17.8	0.0	37.9

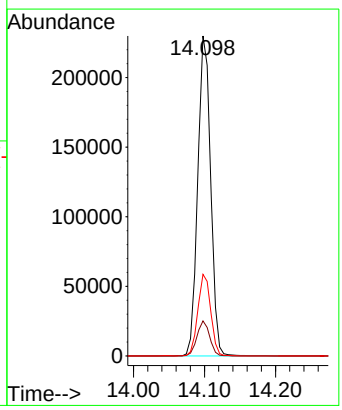


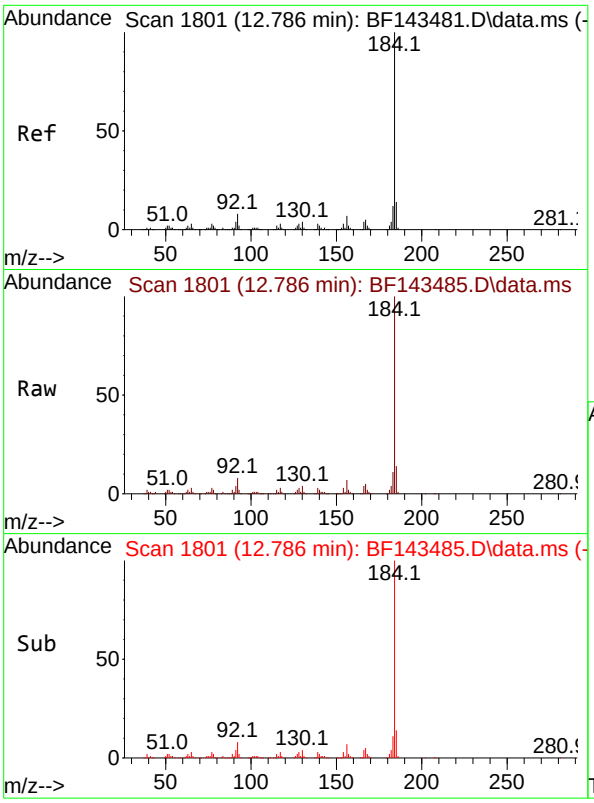


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:240 Resp: 290808

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	12.8
236	25.5	20.4	30.6



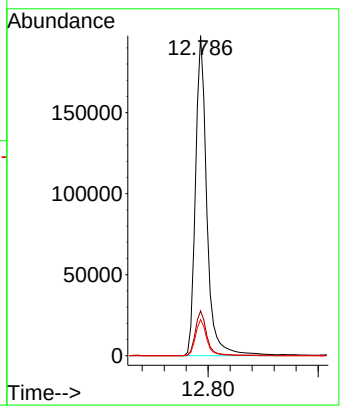


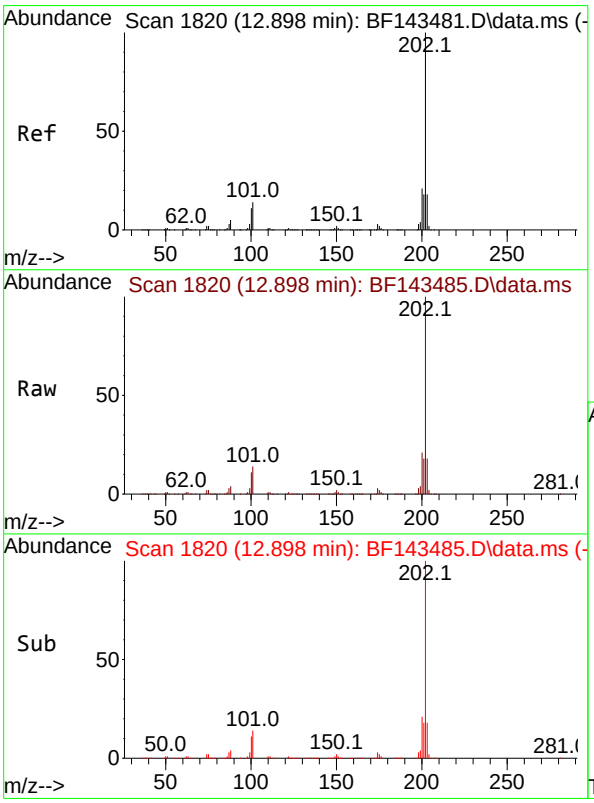
#77
Benzidine
Concen: 39.962 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:184 Resp: 283076

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.3	16.9
183	11.3	9.5	14.3

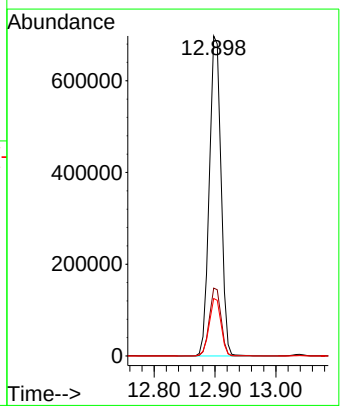


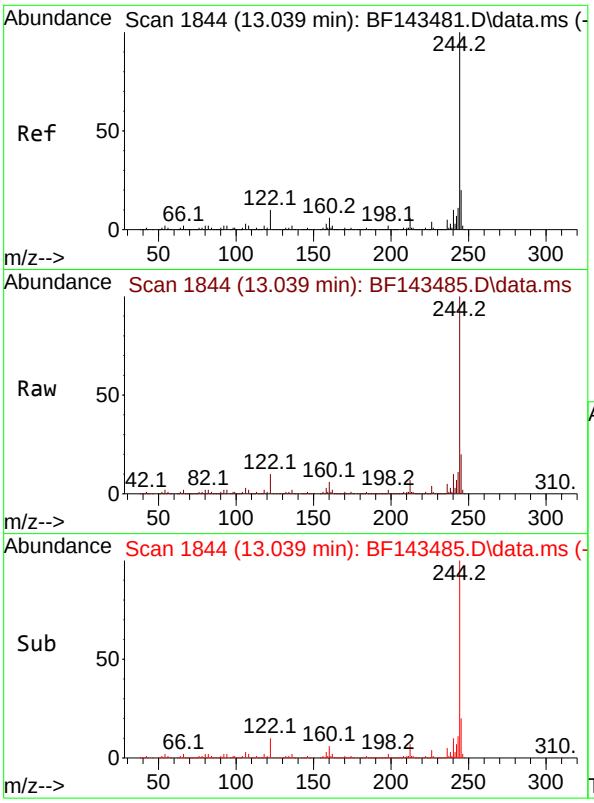


#78
Pyrene
Concen: 38.897 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:202 Resp: 930449

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



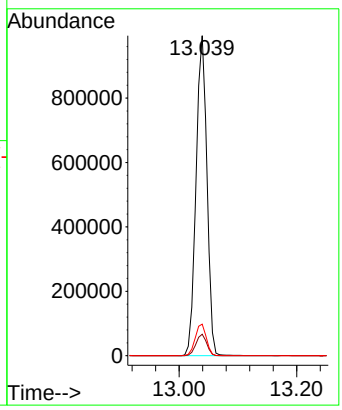


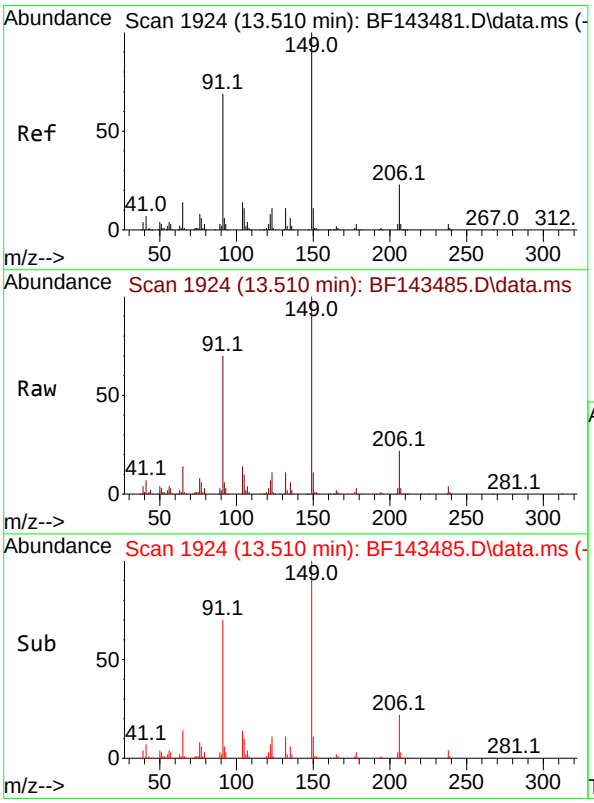
#79
Terphenyl-d14
Concen: 76.705 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:244 Resp: 1278285

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	9.8	7.9	11.9

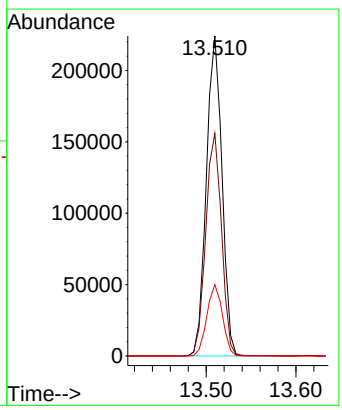


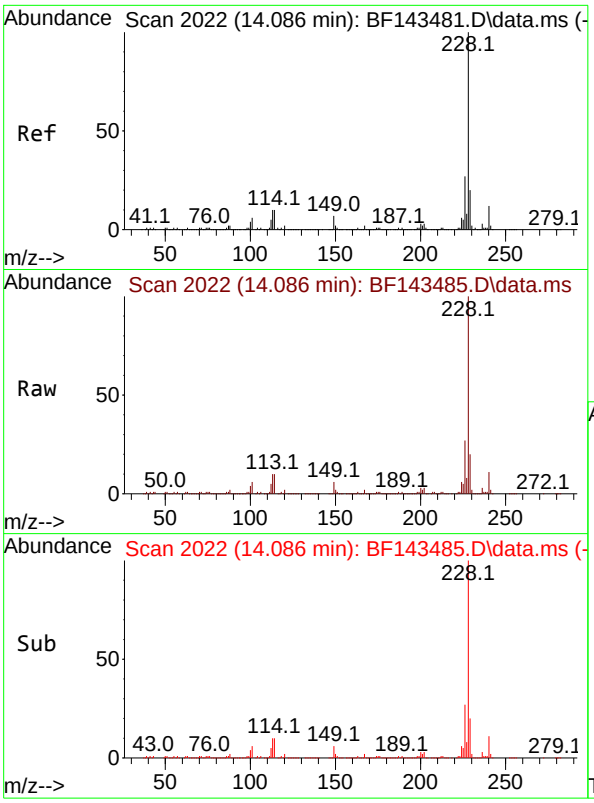


#80
Butylbenzylphthalate
Concen: 41.549 ng
RT: 13.510 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 271515

Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.3	82.9
206	22.3	18.2	27.4



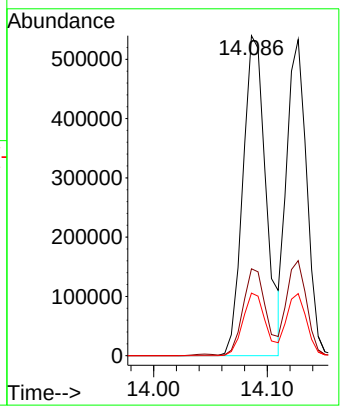


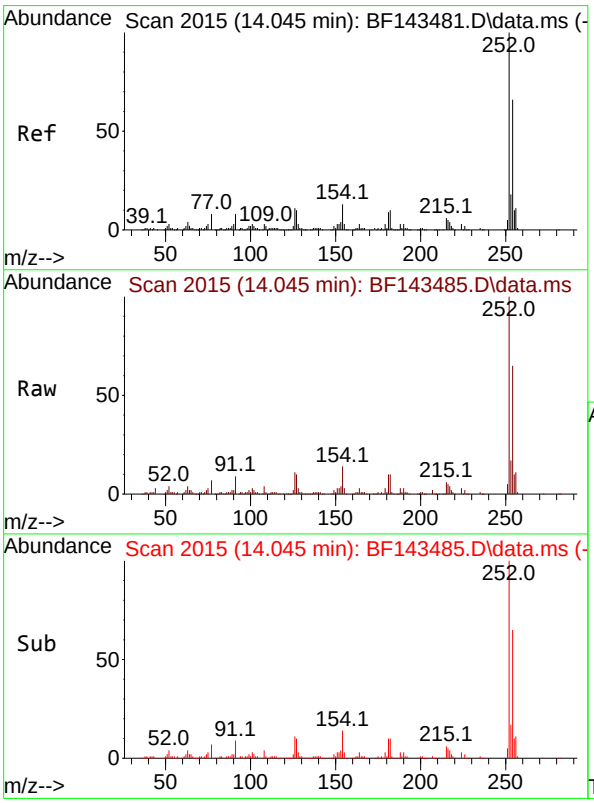
#81
Benzo(a)anthracene
Concen: 40.783 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:228 Resp: 763549

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.6	15.7	23.5

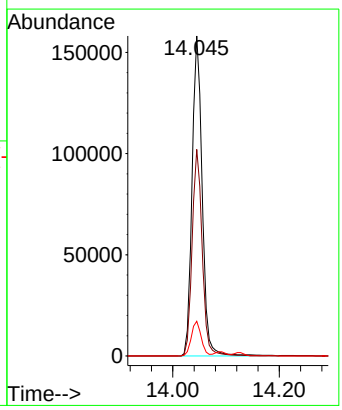


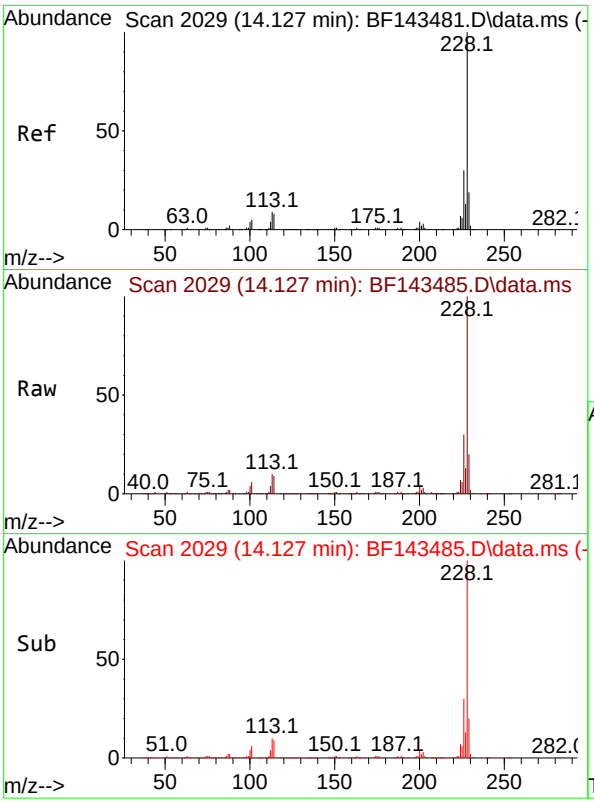


#82
3,3'-Dichlorobenzidine
Concen: 38.975 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 208975

Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.6	79.0
126	10.8	8.7	13.1



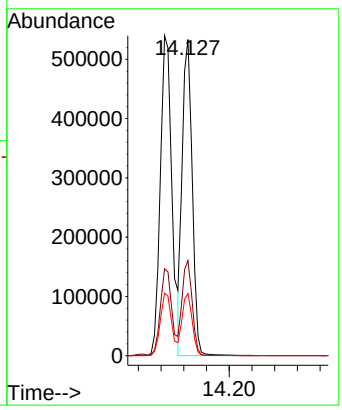


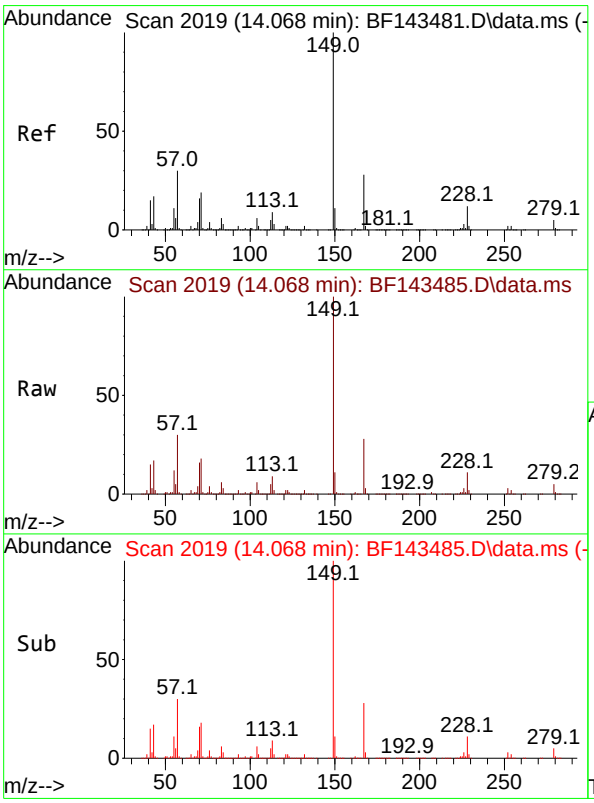
#83
Chrysene
Concen: 38.711 ng
RT: 14.127 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:228 Resp: 651325

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	19.6	15.7	23.5

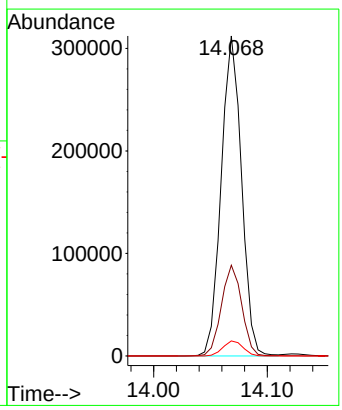


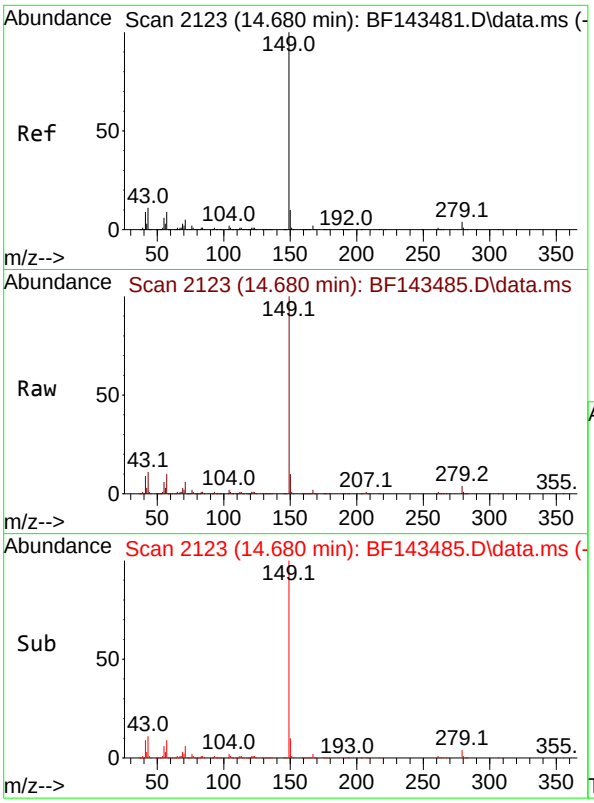


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.990 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:149 Resp: 388068

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.2
279	4.7	3.6	5.4



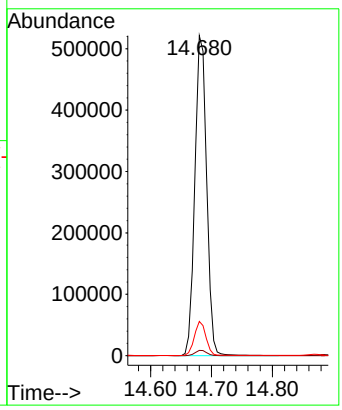


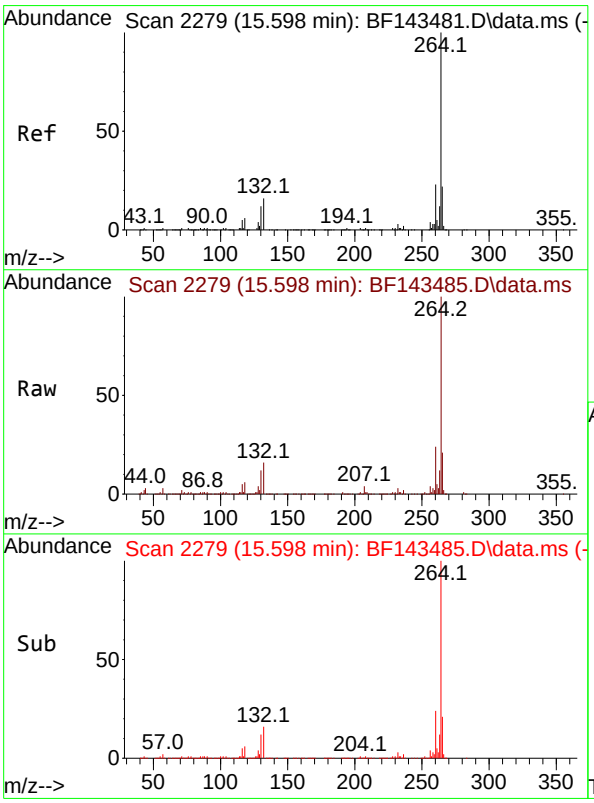
#85
Di-n-octyl phthalate
Concen: 37.975 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:149 Resp: 700201

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.5	8.5	12.7

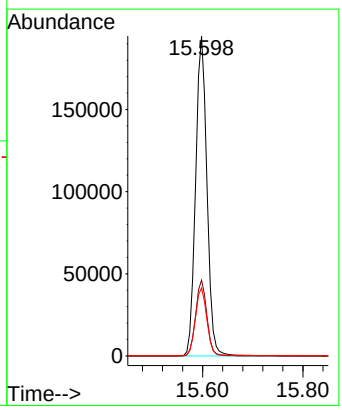


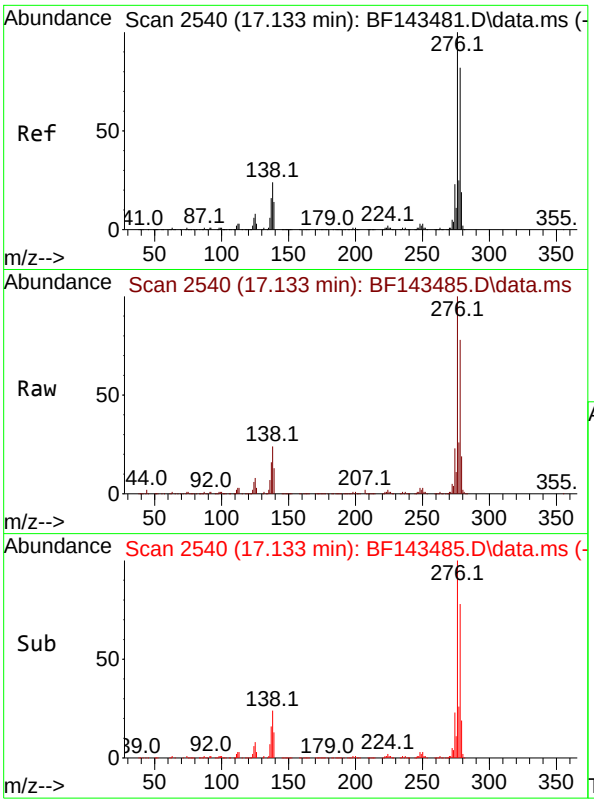


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:264 Resp: 304631

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.2	17.6	26.4



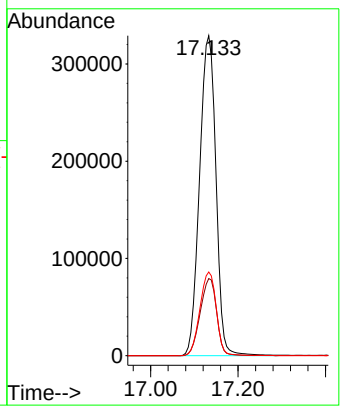


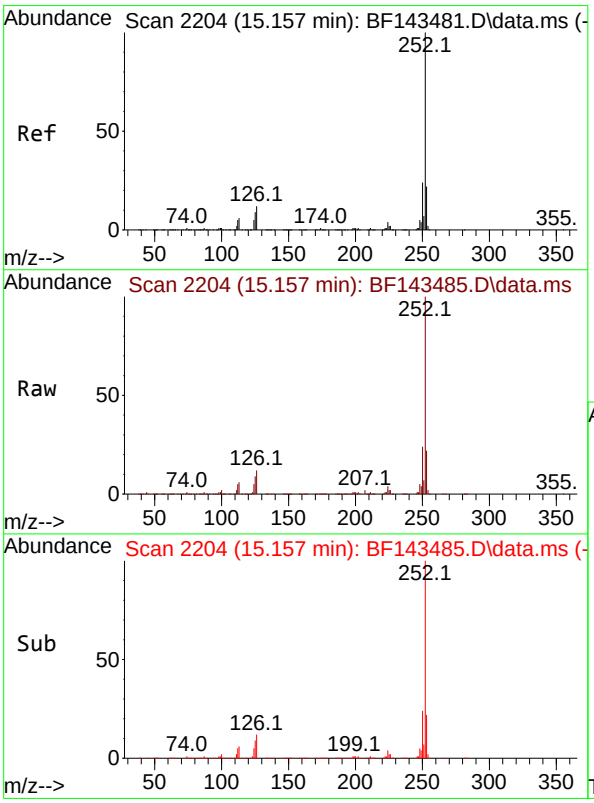
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.281 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:276 Resp: 859881

Ion	Ratio	Lower	Upper
276	100		
138	24.2	19.2	28.8
277	26.1	20.3	30.5

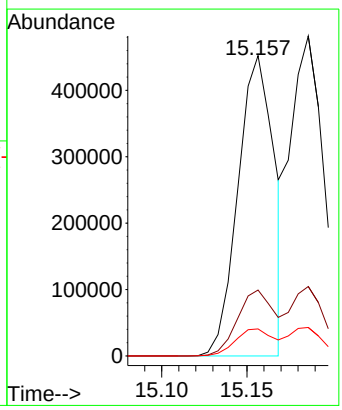


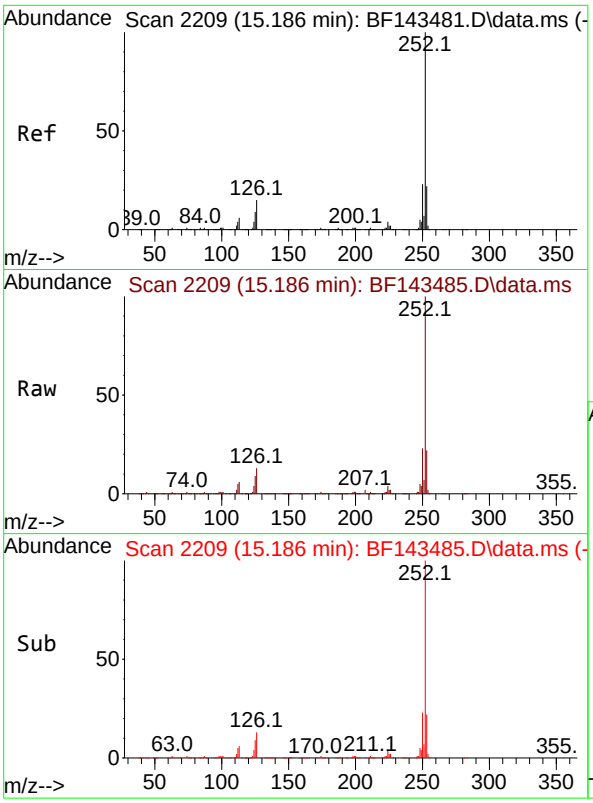


#88
Benzo(b)fluoranthene
Concen: 39.433 ng
RT: 15.157 min Scan# 2204
Delta R.T. -0.000 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 667733

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.0	7.4	11.0



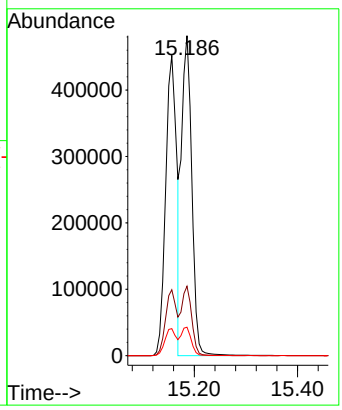


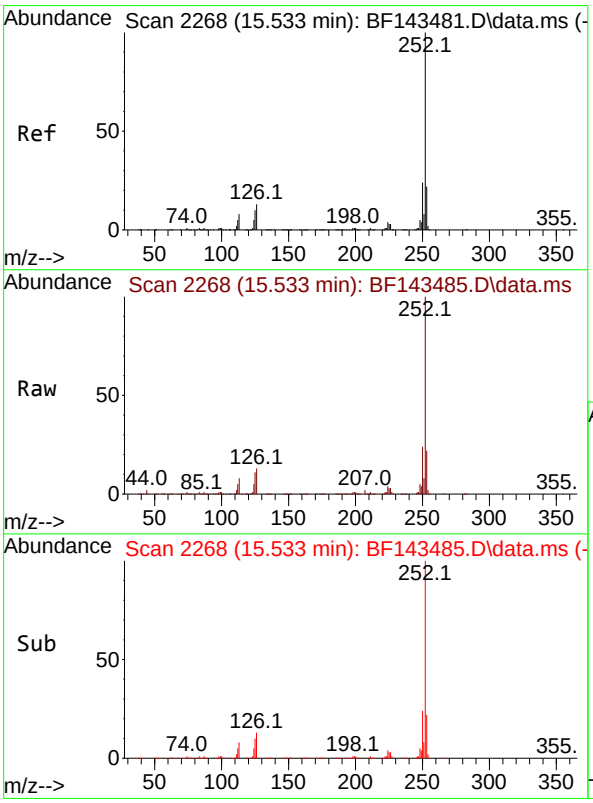
#89
Benzo(k)fluoranthene
Concen: 40.992 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:252 Resp: 664593

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.9	7.4	11.0

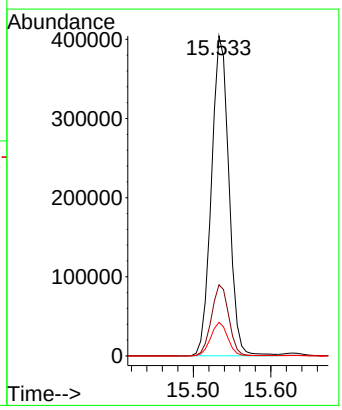


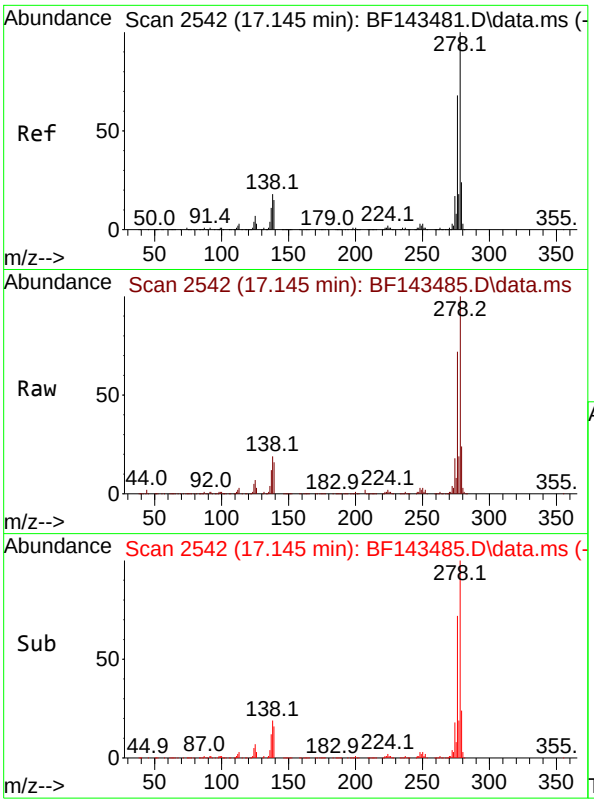


#90
Benzo(a)pyrene
Concen: 40.208 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:252 Resp: 631989

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	10.5	8.2	12.2



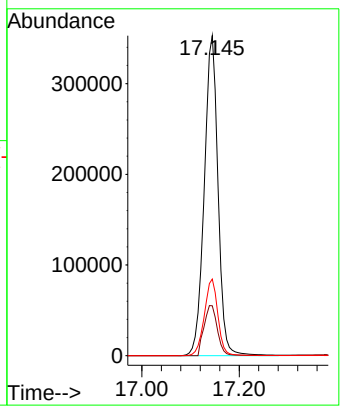


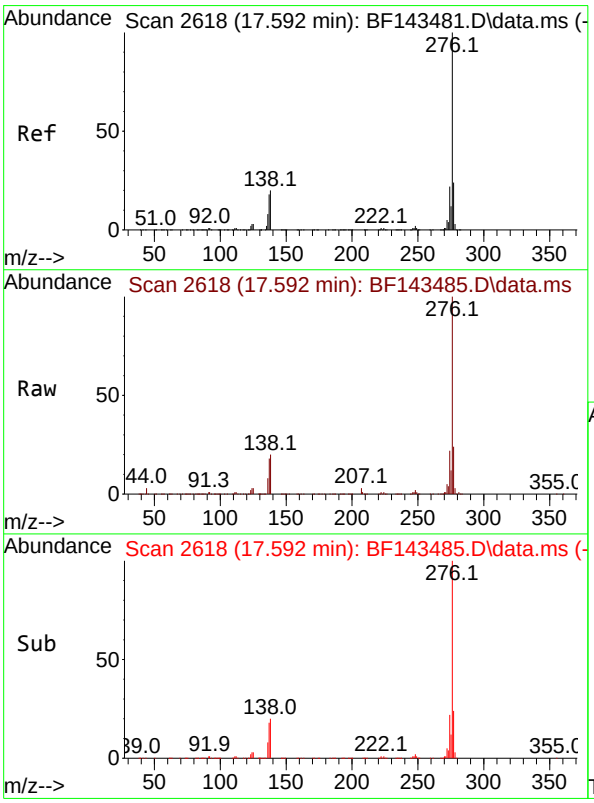
#91
Dibenzo(a,h)anthracene
Concen: 39.378 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Tgt Ion:278 Resp: 690364

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.1	18.1
279	23.9	19.2	28.8

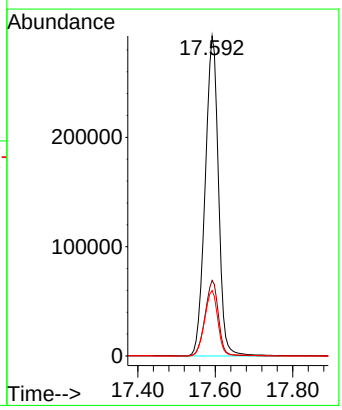




#92
Benzo(g,h,i)perylene
Concen: 39.992 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143485.D
Acq: 20 Aug 2025 15:16

Tgt Ion:276 Resp: 697169

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	20.4	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		1,4-Dioxane	0.531	0.520	2.1	104	0.00
3		Pyridine	1.413	1.427	-1.0	106	0.00
4		n-Nitrosodimethylamine	0.635	0.648	-2.0	108	-0.02
5	S	2-Fluorophenol	1.145	1.142	0.3	107	0.00
6		Aniline	1.890	1.912	-1.2	108	0.00
7	S	Phenol-d6	1.414	1.400	1.0	107	-0.01
8		2-Chlorophenol	1.265	1.272	-0.6	107	0.00
9		Benzaldehyde	1.145	1.212	-5.9	108	0.00
10	C	Phenol	1.629	1.653	-1.5	107	0.00
11		bis(2-Chloroethyl)ether	1.217	1.218	-0.1	107	0.00
12		1,3-Dichlorobenzene	1.421	1.411	0.7	107	0.00
13	C	1,4-Dichlorobenzene	1.426	1.406	1.4	107	0.00
14		1,2-Dichlorobenzene	1.350	1.342	0.6	107	0.00
15		Benzyl Alcohol	1.059	1.090	-2.9	108	0.00
16		2,2'-oxybis(1-Chloropropane	1.947	1.949	-0.1	107	0.00
17		2-Methylphenol	1.015	1.033	-1.8	109	0.00
18		Hexachloroethane	0.485	0.492	-1.4	107	0.00
19	P	n-Nitroso-di-n-propylamine	0.864	0.854	1.2	108	-0.01
20		3+4-Methylphenols	1.212	1.229	-1.4	108	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.432	0.421	2.5	108	0.00
23	S	Nitrobenzene-d5	0.343	0.345	-0.6	108	0.00
24		Nitrobenzene	0.353	0.358	-1.4	108	0.00
25		Isophorone	0.628	0.634	-1.0	110	0.00
26	C	2-Nitrophenol	0.173	0.180	-4.0	109	0.00
27		2,4-Dimethylphenol	0.269	0.267	0.7	106	0.00
28		bis(2-Chloroethoxy)methane	0.386	0.388	-0.5	108	0.00
29	C	2,4-Dichlorophenol	0.288	0.289	-0.3	108	0.00
30		1,2,4-Trichlorobenzene	0.296	0.291	1.7	107	0.00
31		Naphthalene	0.960	0.937	2.4	107	0.00
32		Benzoic acid	0.137	0.155	-13.1	115	-0.02
33		4-Chloroaniline	0.341	0.343	-0.6	107	0.00
34	C	Hexachlorobutadiene	0.193	0.191	1.0	107	0.00
35		Caprolactam	0.069	0.077	-11.6	117	-0.02
36	C	4-Chloro-3-methylphenol	0.288	0.292	-1.4	109	0.00
37		2-Methylnaphthalene	0.641	0.623	2.8	106	0.00
38		1-Methylnaphthalene	0.613	0.602	1.8	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.555	3.0	107	0.00
41	P	Hexachlorocyclopentadiene	0.184	0.201	-9.2	110	0.00
42	S	2,4,6-Tribromophenol	0.186	0.188	-1.1	109	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.362	-2.8	108	0.00
44		2,4,5-Trichlorophenol	0.385	0.377	2.1	107	0.00
45	S	2-Fluorobiphenyl	1.210	1.154	4.6	108	0.00
46		1,1'-Biphenyl	1.420	1.384	2.5	108	0.00
47		2-Chloronaphthalene	1.114	1.088	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.326	0.341	-4.6	110	0.00
49		Acenaphthylene	1.595	1.577	1.1	108	0.00
50		Dimethylphthalate	1.205	1.233	-2.3	112	0.00
51		2,6-Dinitrotoluene	0.250	0.265	-6.0	111	0.00
52	C	Acenaphthene	1.083	1.081	0.2	109	0.00
53		3-Nitroaniline	0.270	0.287	-6.3	112	0.00
54	P	2,4-Dinitrophenol	0.115	0.137	-19.1	125	0.00
55		Dibenzofuran	1.544	1.506	2.5	107	0.00
56	P	4-Nitrophenol	0.161	0.186	-15.5	118	0.00
57		2,4-Dinitrotoluene	0.333	0.360	-8.1	111	0.00
58		Fluorene	1.188	1.156	2.7	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.286	0.305	-6.6	112	0.00
60		Diethylphthalate	1.080	1.126	-4.3	113	0.00
61		4-Chlorophenyl-phenylether	0.594	0.583	1.9	108	0.00
62		4-Nitroaniline	0.248	0.272	-9.7	115	0.00
63		Azobenzene	1.120	1.119	0.1	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.124	-9.7	115	0.00
66	c	n-Nitrosodiphenylamine	0.644	0.631	2.0	109	0.00
67		4-Bromophenyl-phenylether	0.239	0.240	-0.4	110	0.00
68		Hexachlorobenzene	0.257	0.254	1.2	109	0.00
69		Atrazine	0.166	0.181	-9.0	119	0.00
70	C	Pentachlorophenol	0.118	0.129	-9.3	115	0.00
71		Phenanthrene	1.071	1.051	1.9	112	0.00
72		Anthracene	1.085	1.068	1.6	110	0.00
73		Carbazole	0.889	0.898	-1.0	112	0.00
74		Di-n-butylphthalate	0.829	0.902	-8.8	117	0.00
75	C	Fluoranthene	0.961	0.967	-0.6	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77		Benzidine	0.487	0.487	0.0	110	0.00
78		Pyrene	1.645	1.600	2.7	114	0.00
79	S	Terphenyl-d14	1.146	1.099	4.1	113	0.00
80		Butylbenzylphthalate	0.449	0.467	-4.0	116	0.00
81		Benzo(a)anthracene	1.288	1.313	-1.9	116	0.00
82		3,3'-Dichlorobenzidine	0.369	0.359	2.7	112	0.00
83		Chrysene	1.157	1.120	3.2	117	0.00
84		Bis(2-ethylhexyl)phthalate	0.685	0.667	2.6	109	0.00
85	c	Di-n-octyl phthalate	1.268	1.204	5.0	108	0.00
86	I	Perylene-d12	1.000	1.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	1.437	1.411	1.8	103	0.00
88		Benzo(b)fluoranthene	1.112	1.096	1.4	108	0.00
89		Benzo(k)fluoranthene	1.064	1.091	-2.5	107	0.00
90	C	Benzo(a)pyrene	1.032	1.037	-0.5	106	0.00
91		Dibenzo(a,h)anthracene	1.151	1.133	1.6	103	-0.01
92		Benzo(g,h,i)perylene	1.145	1.144	0.1	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2		1,4-Dioxane	40.000	39.182	2.0	104	0.00
3		Pyridine	40.000	40.378	-0.9	106	0.00
4		n-Nitrosodimethylamine	40.000	40.802	-2.0	108	-0.02
5	S	2-Fluorophenol	80.000	79.796	0.3	107	0.00
6		Aniline	40.000	40.468	-1.2	108	0.00
7	S	Phenol-d6	80.000	79.236	1.0	107	-0.01
8		2-Chlorophenol	40.000	40.225	-0.6	107	0.00
9		Benzaldehyde	40.000	42.346	-5.9	108	0.00
10	C	Phenol	40.000	40.587	-1.5	107	0.00
11		bis(2-Chloroethyl)ether	40.000	40.011	-0.0	107	0.00
12		1,3-Dichlorobenzene	40.000	39.721	0.7	107	0.00
13	C	1,4-Dichlorobenzene	40.000	39.445	1.4	107	0.00
14		1,2-Dichlorobenzene	40.000	39.765	0.6	107	0.00
15		Benzyl Alcohol	40.000	41.185	-3.0	108	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.039	-0.1	107	0.00
17		2-Methylphenol	40.000	40.687	-1.7	109	0.00
18		Hexachloroethane	40.000	40.592	-1.5	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.547	1.1	108	-0.01
20		3+4-Methylphenols	40.000	40.559	-1.4	108	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	38.990	2.5	108	0.00
23	S	Nitrobenzene-d5	80.000	80.608	-0.8	108	0.00
24		Nitrobenzene	40.000	40.579	-1.4	108	0.00
25		Isophorone	40.000	40.343	-0.9	110	0.00
26	C	2-Nitrophenol	40.000	41.747	-4.4	109	0.00
27		2,4-Dimethylphenol	40.000	39.655	0.9	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.210	-0.5	108	0.00
29	C	2,4-Dichlorophenol	40.000	40.217	-0.5	108	0.00
30		1,2,4-Trichlorobenzene	40.000	39.404	1.5	107	0.00
31		Naphthalene	40.000	39.033	2.4	107	0.00
32		Benzoic acid	40.000	41.489	-3.7	115	-0.02
33		4-Chloroaniline	40.000	40.234	-0.6	107	0.00
34	C	Hexachlorobutadiene	40.000	39.523	1.2	107	0.00
35		Caprolactam	40.000	44.838	-12.1	117	-0.02
36	C	4-Chloro-3-methylphenol	40.000	40.569	-1.4	109	0.00
37		2-Methylnaphthalene	40.000	38.877	2.8	106	0.00
38		1-Methylnaphthalene	40.000	39.260	1.9	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.786	3.0	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.756	0.6	110	0.00
42	S	2,4,6-Tribromophenol	80.000	80.753	-0.9	109	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.105	-2.8	108	0.00
44		2,4,5-Trichlorophenol	40.000	39.178	2.1	107	0.00
45	S	2-Fluorobiphenyl	80.000	76.290	4.6	108	0.00
46		1,1'-Biphenyl	40.000	38.997	2.5	108	0.00
47		2-Chloronaphthalene	40.000	39.068	2.3	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.861	-4.7	110	0.00
49		Acenaphthylene	40.000	39.557	1.1	108	0.00
50		Dimethylphthalate	40.000	40.935	-2.3	112	0.00
51		2,6-Dinitrotoluene	40.000	42.459	-6.1	111	0.00
52	C	Acenaphthene	40.000	39.941	0.1	109	0.00
53		3-Nitroaniline	40.000	42.506	-6.3	112	0.00
54	P	2,4-Dinitrophenol	40.000	43.761	-9.4	125	0.00
55		Dibenzofuran	40.000	39.023	2.4	107	0.00
56	P	4-Nitrophenol	40.000	46.387	-16.0	118	0.00
57		2,4-Dinitrotoluene	40.000	43.183	-8.0	111	0.00
58		Fluorene	40.000	38.901	2.7	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.767	-6.9	112	0.00
60		Diethylphthalate	40.000	41.708	-4.3	113	0.00
61		4-Chlorophenyl-phenylether	40.000	39.269	1.8	108	0.00
62		4-Nitroaniline	40.000	43.927	-9.8	115	0.00
63		Azobenzene	40.000	39.982	0.0	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	110	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.849	-9.6	115	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.212	2.0	109	0.00
67		4-Bromophenyl-phenylether	40.000	40.305	-0.8	110	0.00
68		Hexachlorobenzene	40.000	39.544	1.1	109	0.00
69		Atrazine	40.000	43.693	-9.2	119	0.00
70	C	Pentachlorophenol	40.000	43.916	-9.8	115	0.00
71		Phenanthrene	40.000	39.237	1.9	112	0.00
72		Anthracene	40.000	39.390	1.5	110	0.00
73		Carbazole	40.000	40.413	-1.0	112	0.00
74		Di-n-butylphthalate	40.000	43.507	-8.8	117	0.00
75	C	Fluoranthene	40.000	40.261	-0.7	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77		Benzidine	40.000	39.962	0.1	110	0.00
78		Pyrene	40.000	38.897	2.8	114	0.00
79	S	Terphenyl-d14	80.000	76.705	4.1	113	0.00
80		Butylbenzylphthalate	40.000	41.549	-3.9	116	0.00
81		Benzo(a)anthracene	40.000	40.783	-2.0	116	0.00
82		3,3'-Dichlorobenzidine	40.000	38.975	2.6	112	0.00
83		Chrysene	40.000	38.711	3.2	117	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.990	2.5	109	0.00
85	c	Di-n-octyl phthalate	40.000	37.975	5.1	108	0.00
86	I	Perylene-d12	20.000	20.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.281	1.8	103	0.00
88		Benzo(b)fluoranthene	40.000	39.433	1.4	108	0.00
89		Benzo(k)fluoranthene	40.000	40.992	-2.5	107	0.00
90	C	Benzo(a)pyrene	40.000	40.208	-0.5	106	0.00
91		Dibenzo(a,h)anthracene	40.000	39.378	1.6	103	-0.01
92		Benzo(g,h,i)perylene	40.000	39.992	0.0	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143485.D
Acq On : 20 Aug 2025 15:16
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082025

Quant Time: Aug 20 16:24:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025298.D 5 =BP025299.D 10 =BP025300.D 20 =BP025301.D 40 =BP025302.D 50 =BP025303.D 60 =BP025304.D 80 =BP0253
05.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.536	0.502	0.479	0.481	0.495	0.482	0.460	0.491	4.85
3)		Pyridine		1.368	1.344	1.341	1.340	1.407	1.397	1.347	1.363	2.06
4)		n-Nitrosodimet...			0.607	0.627	0.611	0.661	0.656	0.636	0.633	3.51
5)	S	2-Fluorophenol	1.187	1.248	1.220	1.251	1.233	1.297	1.287	1.225	1.244	2.88
6)		Aniline		2.182	2.099	2.208	2.218	2.385	2.403	2.231	2.247	4.88
7)	S	Phenol-d6	1.535	1.587	1.583	1.648	1.632	1.734	1.744	1.629	1.637	4.44
8)		2-Chlorophenol		1.251	1.264	1.355	1.350	1.451	1.463	1.394	1.361	6.09
9)		Benzaldehyde			1.132	1.083	1.402	1.409	1.095	0.852	1.162	18.31
10)	C	Phenol		1.694	1.677	1.728	1.731	1.844	1.859	1.725	1.751	4.08
11)		bis(2-Chloroet...		1.389	1.311	1.360	1.337	1.440	1.440	1.328	1.372	3.83
12)		1,3-Dichlorobe...		1.591	1.515	1.526	1.473	1.575	1.556	1.469	1.529	3.13
13)	C	1,4-Dichlorobe...		1.613	1.509	1.536	1.508	1.601	1.579	1.484	1.547	3.27
14)		1,2-Dichlorobe...		1.562	1.451	1.490	1.455	1.551	1.538	1.445	1.499	3.39
15)		Benzyl Alcohol			1.130	1.229	1.244	1.359	1.381	1.268	1.269	7.25
16)		2,2'-oxybis(1-...		2.272	2.091	2.159	2.107	2.251	2.258	2.033	2.167	4.37
17)		2-Methylphenol		1.093	1.085	1.156	1.176	1.253	1.264	1.175	1.172	5.95
18)		Hexachloroethane		0.563	0.532	0.540	0.540	0.572	0.577	0.550	0.553	3.17
19)	P	n-Nitroso-di-n...	0.989	1.103	1.026	1.062	1.080	1.146	1.171	1.024	1.075	5.84
20)		3+4-Methylphenols			1.447	1.566	1.587	1.713	1.754	1.613	1.613	6.80
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.524	0.498	0.510	0.493	0.517	0.501	0.472	0.502	3.44
23)	S	Nitrobenzene-d5	0.300	0.324	0.334	0.375	0.374	0.407	0.394	0.379	0.361	10.24
24)		Nitrobenzene		0.311	0.312	0.347	0.344	0.373	0.359	0.346	0.342	6.69
25)		Isophorone		0.727	0.682	0.702	0.713	0.759	0.756	0.691	0.719	4.22
26)	C	2-Nitrophenol		0.082	0.085	0.115	0.128	0.149	0.156	0.163	0.126	26.35
27)		2,4-Dimethylph...		0.380	0.319	0.308	0.324	0.342	0.335	0.311	0.331	7.40
28)		bis(2-Chloroet...		0.457	0.415	0.437	0.431	0.457	0.450	0.413	0.437	4.28
29)	C	2,4-Dichloroph...		0.249	0.259	0.293	0.296	0.317	0.315	0.300	0.290	9.05
30)		1,2,4-Trichlor...		0.328	0.312	0.324	0.312	0.334	0.321	0.309	0.320	2.92
31)		Naphthalene		1.093	1.014	1.044	1.017	1.075	1.049	0.977	1.038	3.77
32)		Benzoic acid			0.070	0.127	0.169	0.191	0.217	0.233	0.168	36.22
33)		4-Chloroaniline		0.449	0.435	0.460	0.459	0.495	0.482	0.453	0.462	4.41
34)	C	Hexachlorobuta...		0.191	0.178	0.185	0.180	0.188	0.185	0.180	0.184	2.60
35)		Caprolactam			0.095	0.105	0.115	0.122	0.124	0.113	0.113	9.54
36)	C	4-Chloro-3-met...		0.310	0.303	0.327	0.341	0.368	0.363	0.338	0.336	7.31
37)		2-Methylnaphth...		0.697	0.653	0.665	0.656	0.701	0.688	0.644	0.672	3.41
38)		1-Methylnaphth...		0.742	0.683	0.703	0.684	0.739	0.706	0.650	0.701	4.63

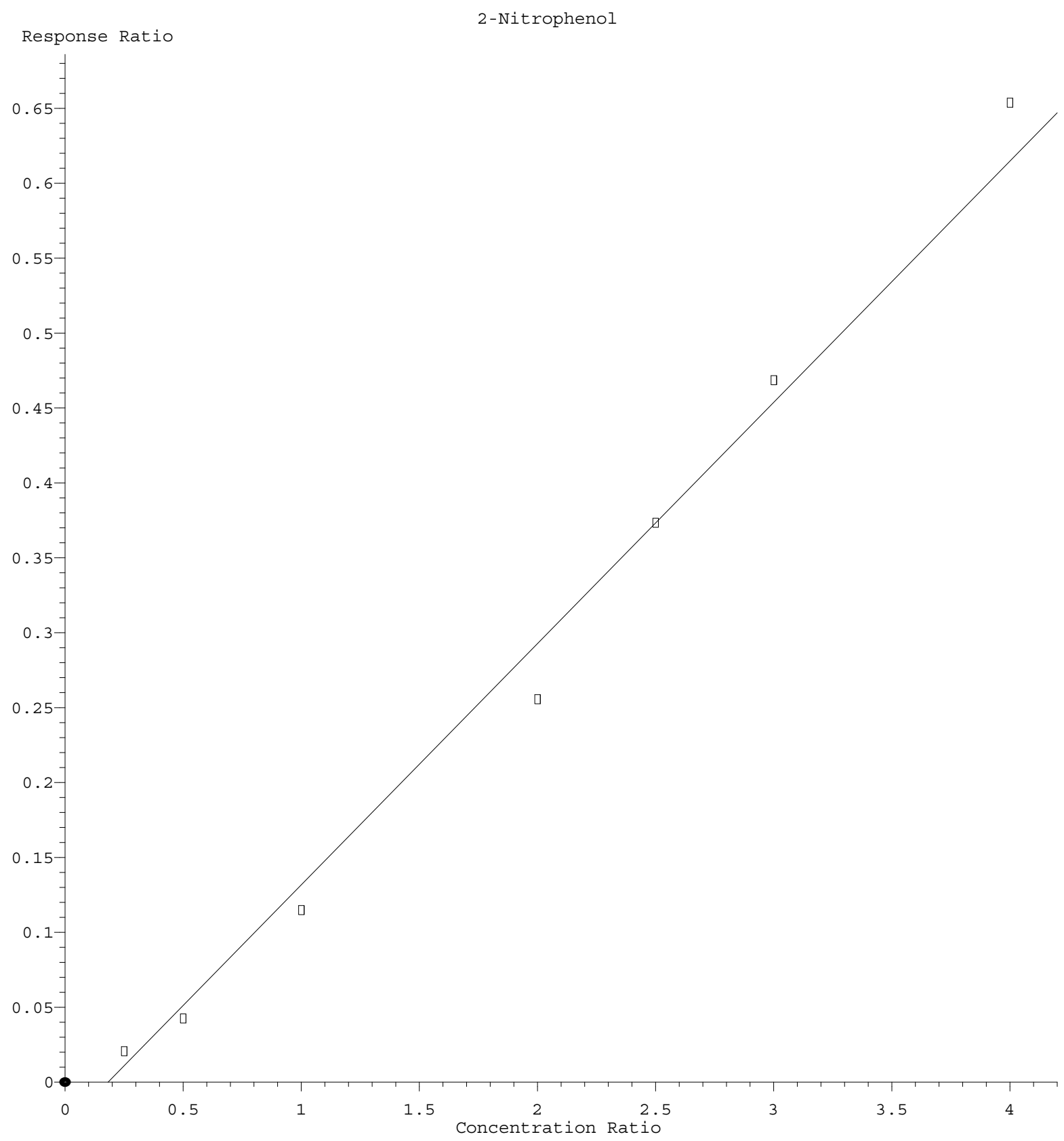
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...		0.551	0.530	0.564	0.547	0.557	0.542	0.532	0.546	2.32
41)	P	Hexachlorocycl...			0.291	0.324	0.331	0.358	0.355	0.363	0.337	8.13
42)	S	2,4,6-Tribromo...	0.151	0.171	0.182	0.210	0.212	0.229	0.225	0.215	0.200	14.11
43)	C	2,4,6-Trichlor...		0.279	0.301	0.359	0.367	0.395	0.386	0.383	0.353	12.75
44)		2,4,5-Trichlor...		0.310	0.342	0.408	0.412	0.437	0.438	0.423	0.396	12.56
45)	S	2-Fluorobiphenyl	1.502	1.551	1.453	1.479	1.444	1.464	1.389	1.303	1.448	5.17
46)		1,1'-Biphenyl		1.518	1.461	1.524	1.449	1.517	1.454	1.395	1.474	3.26
47)		2-Chloronaphth...		1.138	1.098	1.157	1.106	1.159	1.124	1.089	1.124	2.50
48)		2-Nitroaniline		0.187	0.212	0.287	0.308	0.344	0.341	0.337	0.288	22.33
49)		Acenaphthylene		1.859	1.841	1.901	1.868	1.971	1.890	1.800	1.876	2.86
50)		Dimethylphthalate		1.522	1.403	1.470	1.431	1.532	1.474	1.373	1.458	4.05
51)		2,6-Dinitrotol...		0.178	0.217	0.278	0.287	0.308	0.309	0.304	0.269	19.03
52)	C	Acenaphthene		1.164	1.120	1.156	1.114	1.201	1.147	1.107	1.144	2.92
53)		3-Nitroaniline		0.217	0.256	0.317	0.333	0.362	0.360	0.359	0.315	18.17
54)	P	2,4-Dinitrophenol			0.059	0.080	0.095	0.117	0.129	0.149	0.105	31.45
55)		Dibenzofuran		1.804	1.711	1.735	1.681	1.762	1.700	1.574	1.710	4.25
56)	P	4-Nitrophenol			0.199	0.270	0.284	0.308	0.308	0.298	0.278	14.89
57)		2,4-Dinitrotol...		0.213	0.257	0.361	0.390	0.431	0.432	0.430	0.359	25.01
58)		Fluorene		1.500	1.398	1.379	1.316	1.360	1.284	1.163	1.343	7.79
59)		2,3,4,6-Tetrac...		0.262	0.286	0.339	0.344	0.366	0.366	0.351	0.331	12.26
60)		Diethylphthalate		1.518	1.416	1.498	1.440	1.528	1.508	1.381	1.470	3.91
61)		4-Chlorophenyl...		0.722	0.638	0.651	0.631	0.642	0.614	0.558	0.637	7.67
62)		4-Nitroaniline		0.227	0.263	0.324	0.338	0.348	0.344	0.339	0.312	15.24
63)		Azobenzene		1.412	1.340	1.375	1.351	1.400	1.376	1.306	1.366	2.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...			0.041	0.063	0.075	0.093	0.102	0.107	0.080	31.69
66)	c	n-Nitrosodiphe...		0.606	0.601	0.618	0.605	0.638	0.624	0.572	0.609	3.40
67)		4-Bromophenyl-...		0.200	0.194	0.202	0.199	0.211	0.208	0.194	0.201	3.31
68)		Hexachlorobenzene		0.232	0.222	0.224	0.220	0.233	0.231	0.218	0.226	2.78
69)		Atrazine		0.201	0.199	0.218	0.212	0.231	0.229	0.209	0.214	5.78
70)	C	Pentachlorophenol			0.104	0.139	0.144	0.161	0.160	0.156	0.144	14.88
71)		Phenanthrene		1.161	1.101	1.097	1.073	1.132	1.097	1.007	1.095	4.40
72)		Anthracene		1.104	1.093	1.129	1.095	1.151	1.143	1.017	1.105	4.08
73)		Carbazole		1.062	1.069	1.086	1.052	1.101	1.067	0.985	1.060	3.46
74)		Di-n-butylphth...		1.198	1.188	1.337	1.290	1.376	1.369	1.221	1.283	6.30
75)	C	Fluoranthene		1.321	1.288	1.291	1.252	1.314	1.268	1.143	1.268	4.74
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine			0.668	0.762	0.970	0.726	0.642	0.574	0.724	18.96
78)		Pyrene		1.321	1.314	1.350	1.289	1.406	1.348	1.282	1.330	3.21
79)	S	Terphenyl-d14	1.060	1.140	1.083	1.096	1.046	1.082	1.017	0.947	1.059	5.47
80)		Butylbenzylpht...		0.399	0.413	0.554	0.565	0.627	0.631	0.586	0.539	17.70
81)		Benzo(a)anthra...		1.346	1.308	1.357	1.302	1.382	1.349	1.260	1.329	3.11
82)		3,3'-Dichlorob...			0.414	0.484	0.473	0.501	0.481	0.461	0.469	6.39
83)		Chrysene		1.257	1.193	1.257	1.217	1.289	1.250	1.165	1.233	3.49
84)		Bis(2-ethylhex...		0.735	0.713	0.903	0.892	0.939	0.965	0.882	0.861	11.39
85)	c	Di-n-octyl pht...			1.011	1.434	1.502	1.543	1.634	1.526	1.442	15.32

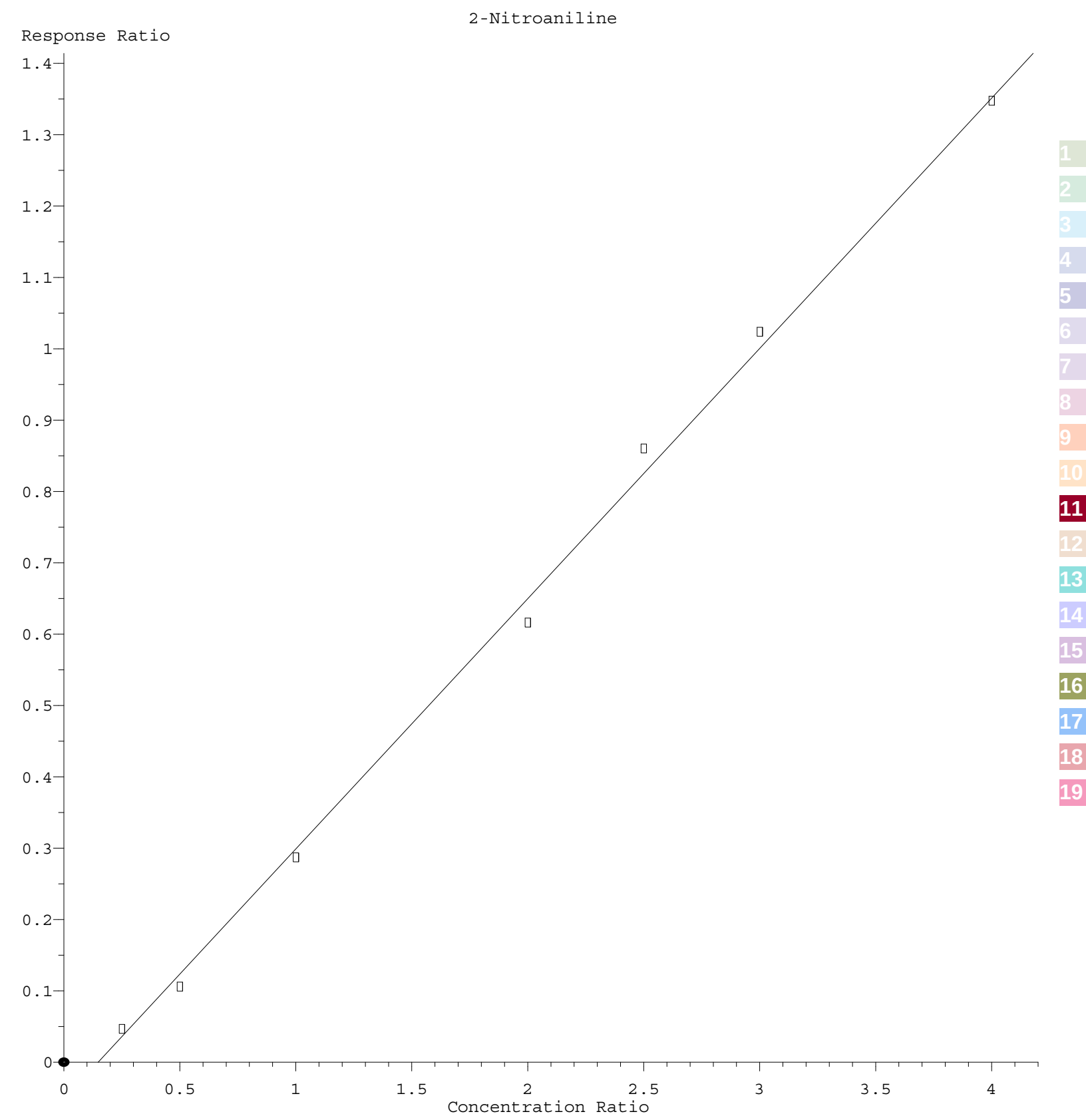
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP080525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.374	1.302	1.436	1.443	1.546	1.494	1.440	1.434	5.50
88)		Benzo(b)fluora...	1.182	1.151	1.194	1.179	1.290	1.217	1.168	1.197	3.82
89)		Benzo(k)fluora...	1.191	1.145	1.189	1.171	1.264	1.210	1.139	1.187	3.56
90)	C	Benzo(a)pyrene	1.116	1.108	1.148	1.151	1.229	1.190	1.129	1.153	3.74
91)		Dibenzo(a,h)an...	1.135	1.077	1.166	1.185	1.261	1.219	1.175	1.174	5.02
92)		Benzo(g,h,i)pe...	1.126	1.051	1.149	1.153	1.243	1.186	1.157	1.152	5.04

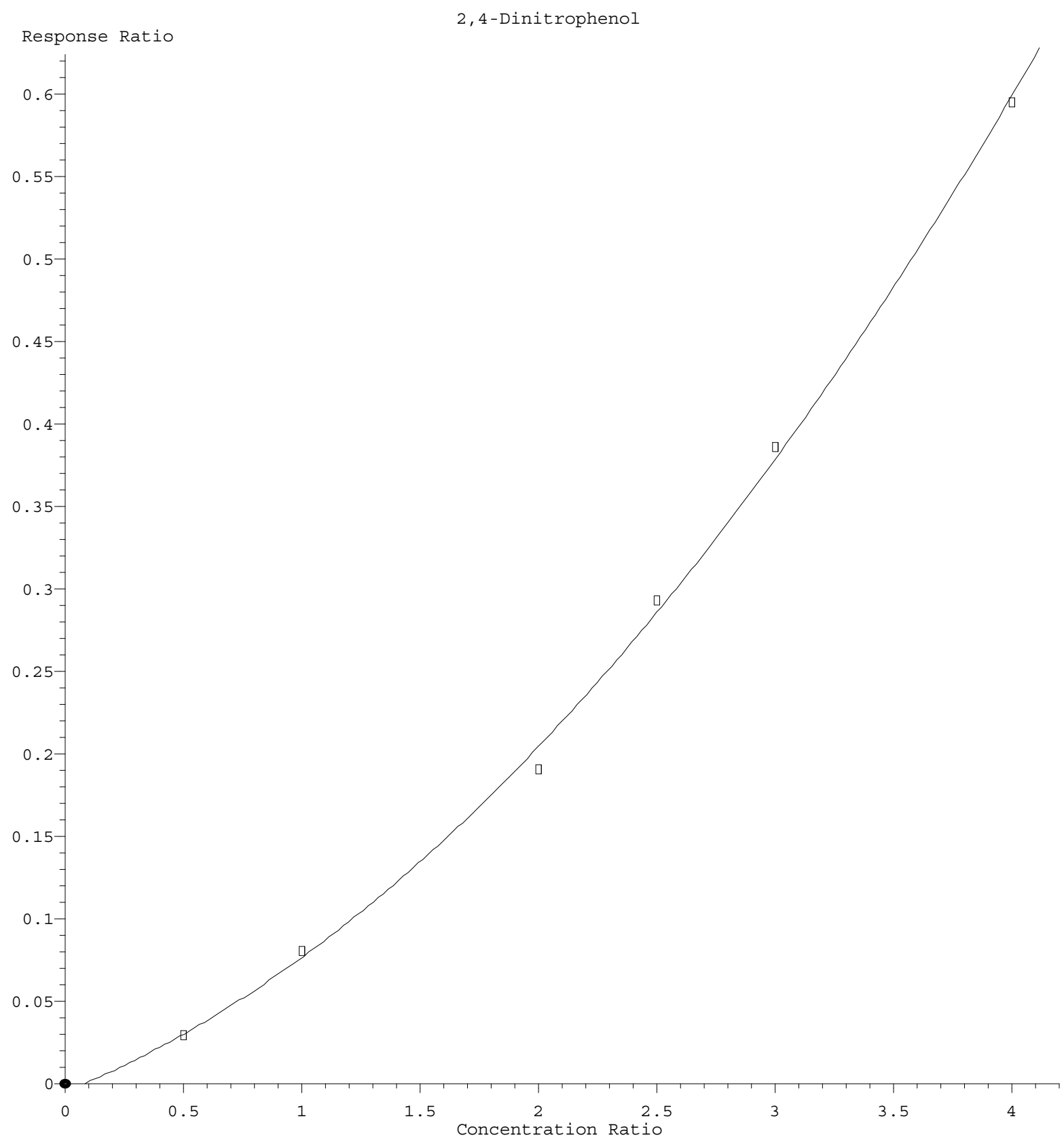
(#) = Out of Range



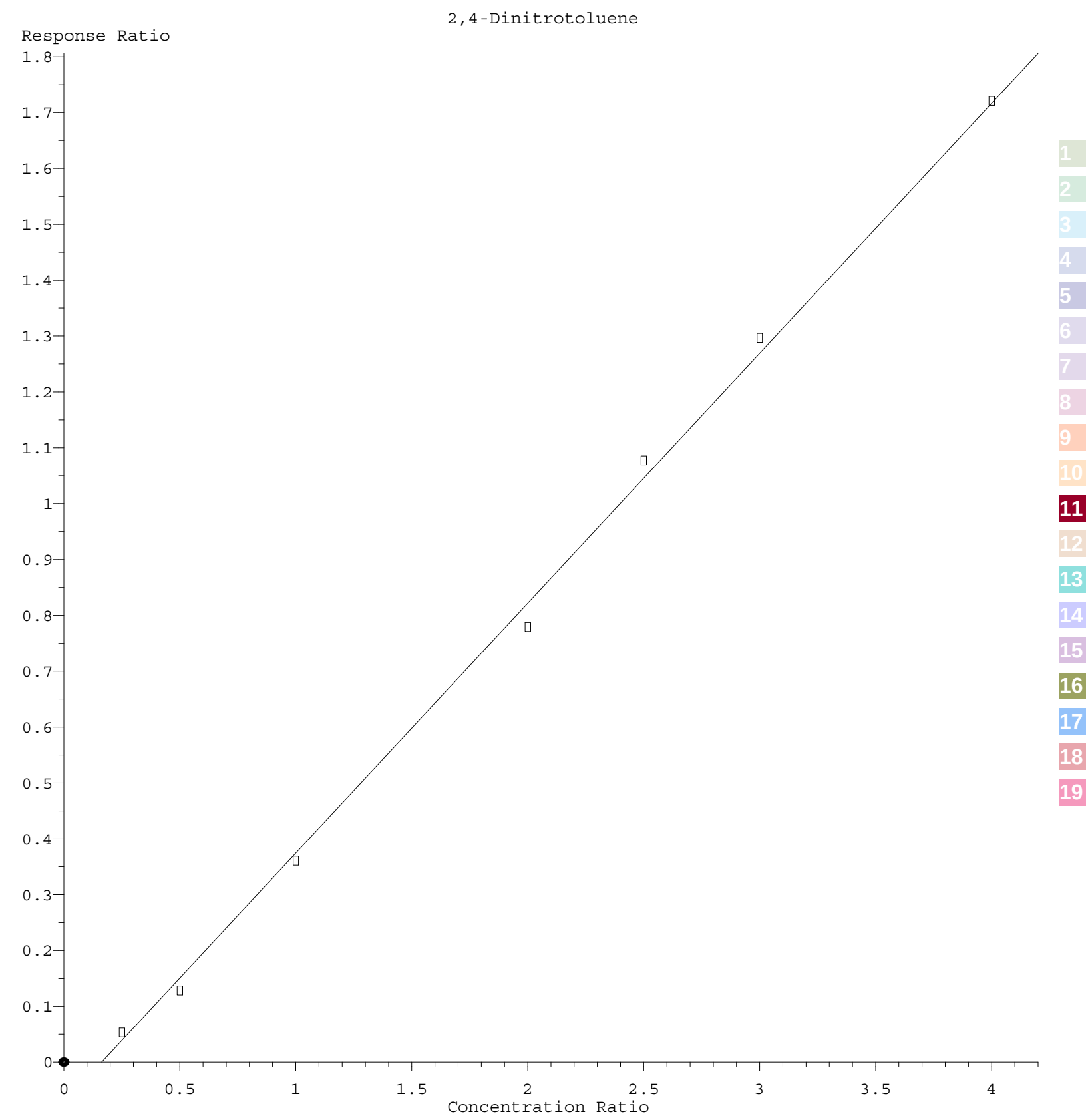
Response = 1.611e-001 * Amt - 2.930e-002
Coef of Det (r^2) = 0.990043 Curve Fit: wlr(1/a)
Method: Q:\820NSVOC-TCL\BNA-20\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



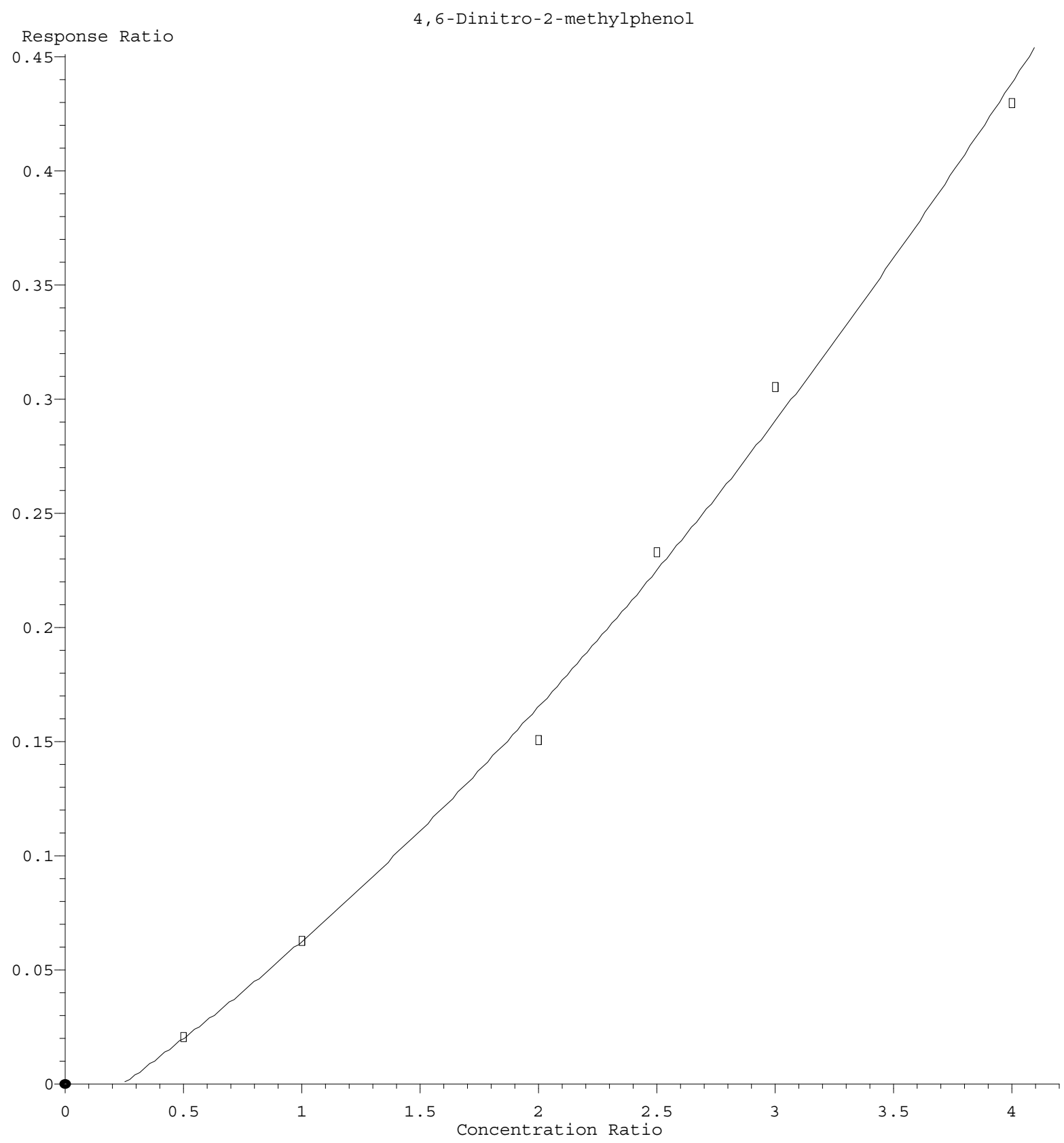
Response = 3.511e-001 * Amt - 5.203e-002
Coef of Det (r^2) = 0.997329 Curve Fit: wlr(1/a)
Method: C:\HPCHEM\1\METHODS\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



R = 2.317e-002 A*A + 5.829e-002 A - 4.826e-003
Coef of Det (r^2) = 0.998598 Curve Fit: Quadratic w(1/a)
Method: NSWC-TCL_BNA_20 C:\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



Response = 4.472e-001 * Amt - 7.278e-002
Coef of Det (r^2) = 0.997623 Curve Fit: wlr(1/a)
Method: Q:\8270NSVOC-TCL\BNA-20\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025



R = 1.136e-002 A*A + 6.849e-002 A - 1.722e-002
Coef of Det (r^2) = 0.996451 Curve Fit: Quadratic w(1/a)
Method: C:\HPCHEM\1\DATA\220NSV0C-TCL\BNA-20\HPCHEM1\BNA P\Methods\8270E-BP080525.M
Calibration Table Last Updated: Wed Aug 06 06:41:44 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025298.D
Acq On : 05 Aug 2025 12:03
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 06 05:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

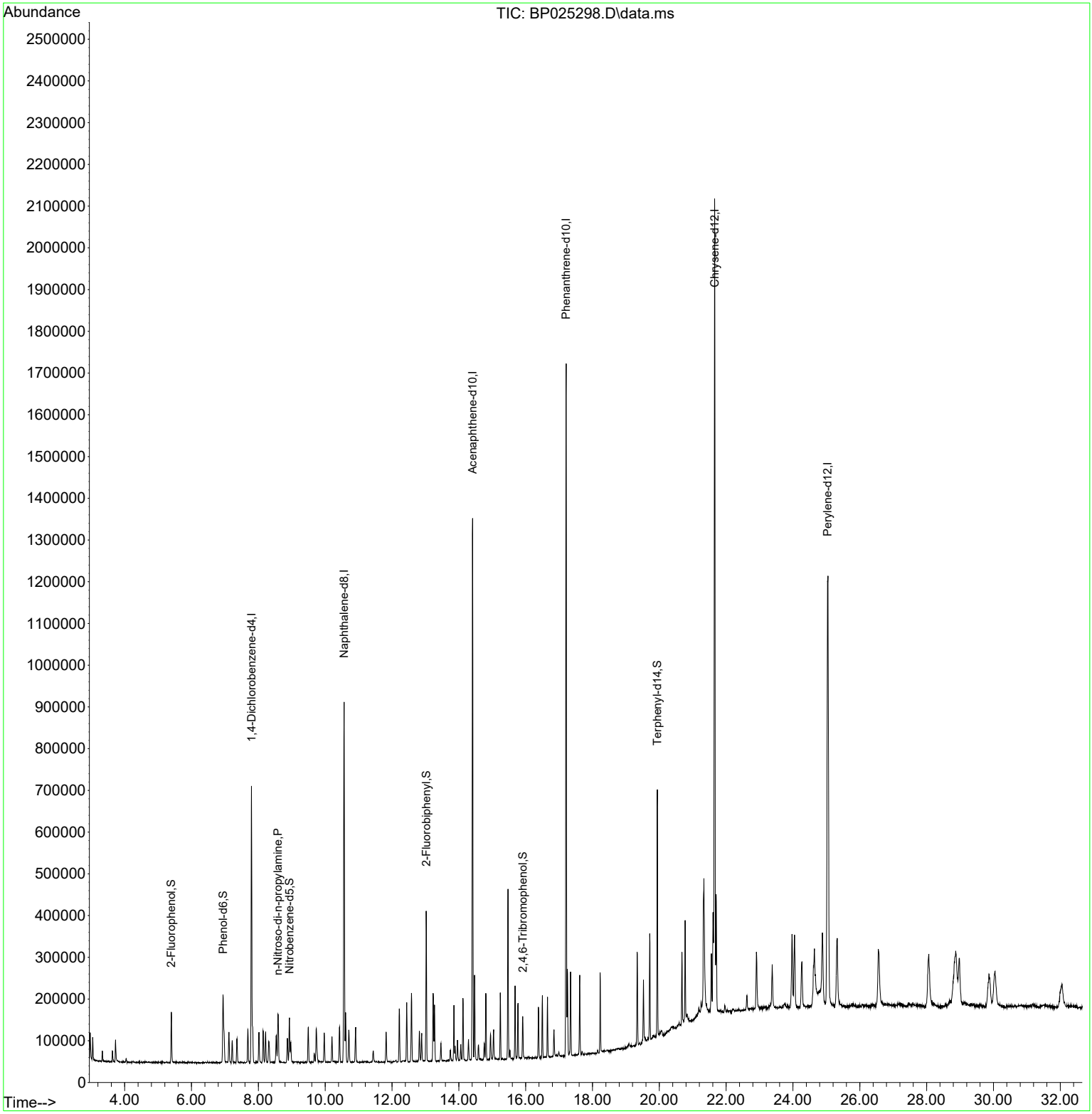
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	172992	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	722061	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	469671	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	927131	20.000	ng	-0.01
76) Chrysene-d12	21.660	240	1039870	20.000	ng	0.00
86) Perylene-d12	25.036	264	1150516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	51334	4.742	ng	-0.01
7) Phenol-d6	6.949	99	66396	4.649	ng	-0.02
23) Nitrobenzene-d5	8.931	82	54242	4.064	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	17694	3.649	ng	-0.01
45) 2-Fluorobiphenyl	13.025	172	176352	5.214	ng	0.00
79) Terphenyl-d14	19.942	244	275667	5.008	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.584	70	21391	2.300	ng	96

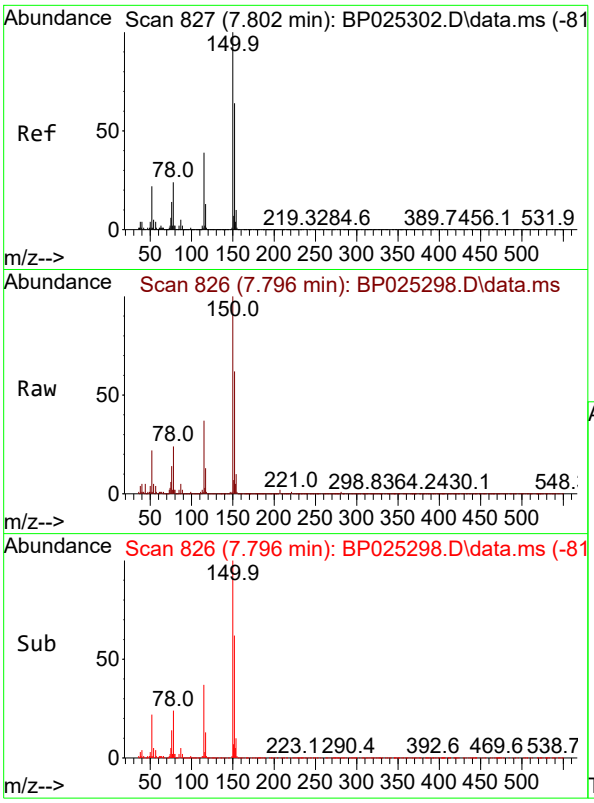
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025298.D
Acq On : 05 Aug 2025 12:03
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 06 05:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



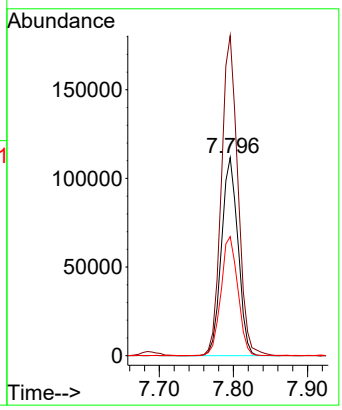


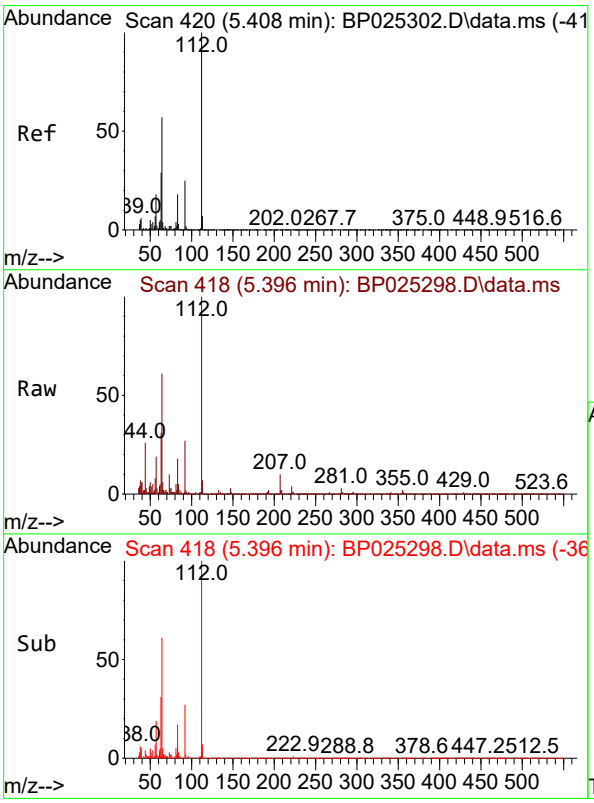
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 172992

Ion	Ratio	Lower	Upper
152	100		
150	161.6	125.1	187.7
115	60.1	48.4	72.6

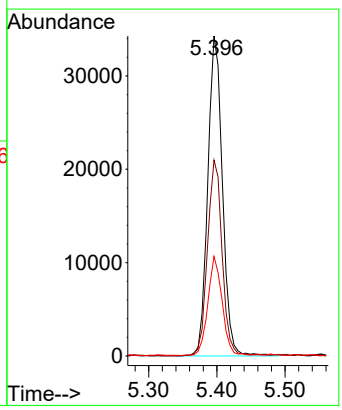


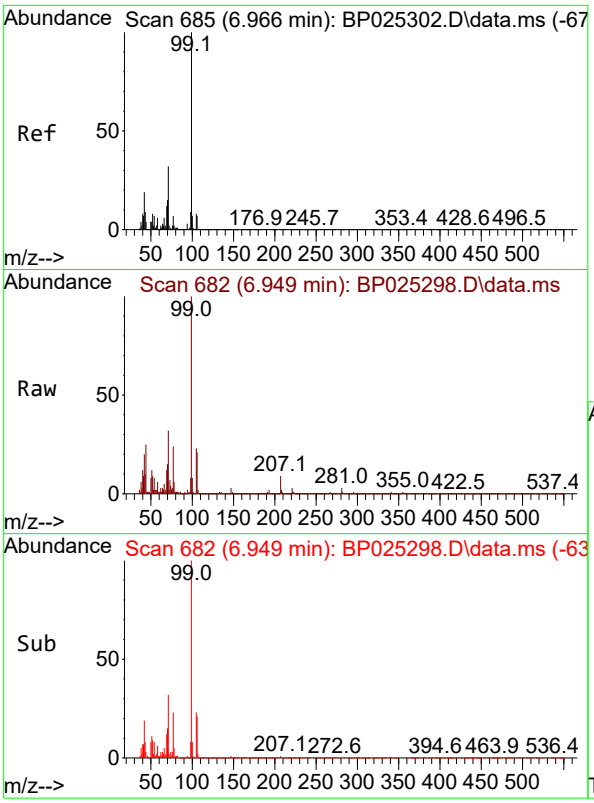


#5
2-Fluorophenol
Concen: 4.742 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:112 Resp: 51334

Ion	Ratio	Lower	Upper
112	100		
64	61.2	45.3	67.9
63	31.1	23.0	34.6



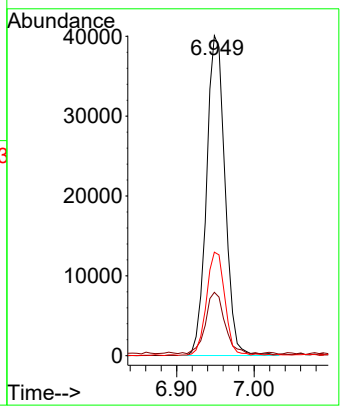


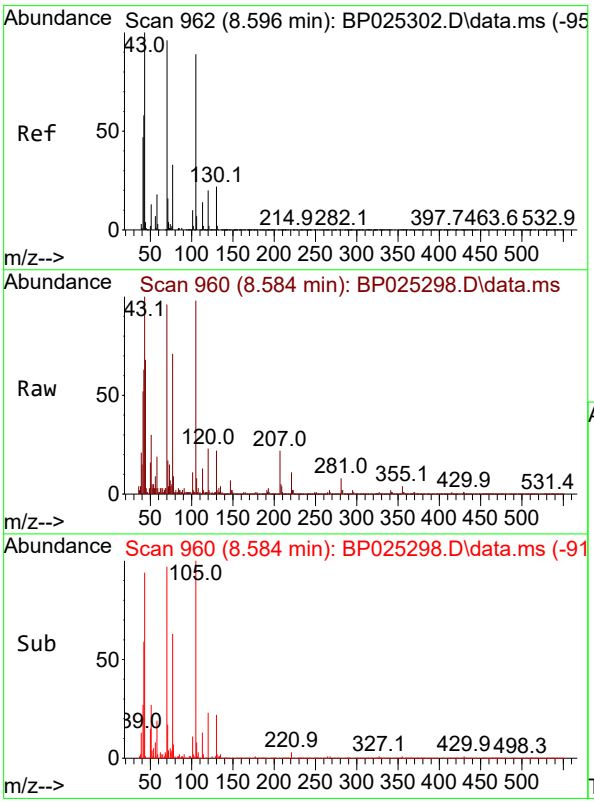
#7
Phenol-d6
Concen: 4.649 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.017 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99 Resp: 66396

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.0	22.6
71	32.3	25.5	38.3

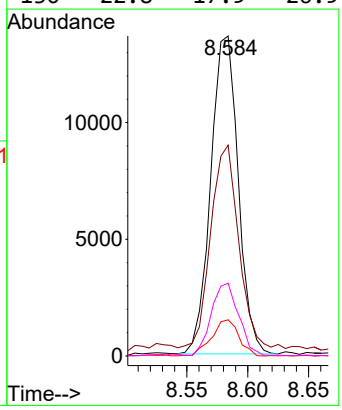


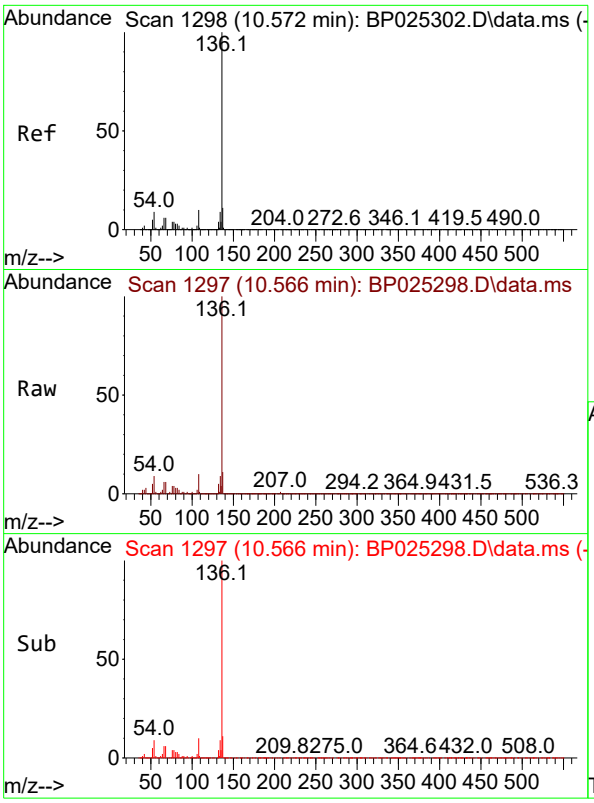


#19
n-Nitroso-di-n-propylamine
Concen: 2.300 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 70 Resp: 21391

Ion	Ratio	Lower	Upper
70	100		
42	65.9	49.4	74.0
101	11.3	7.9	11.9
130	22.8	17.9	26.9



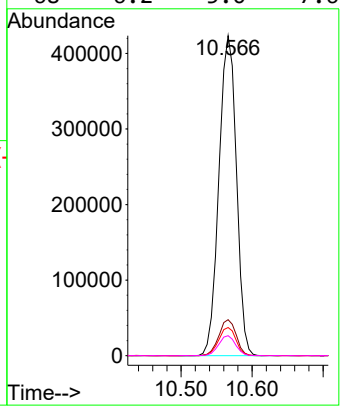


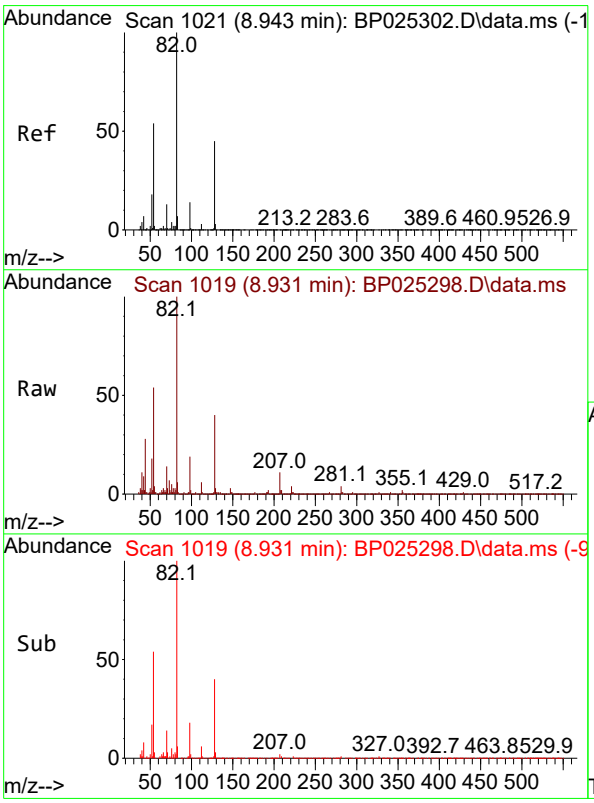
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 722061

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.8	7.0	10.6
68	6.2	5.0	7.6

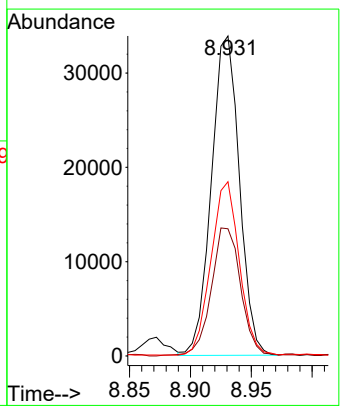


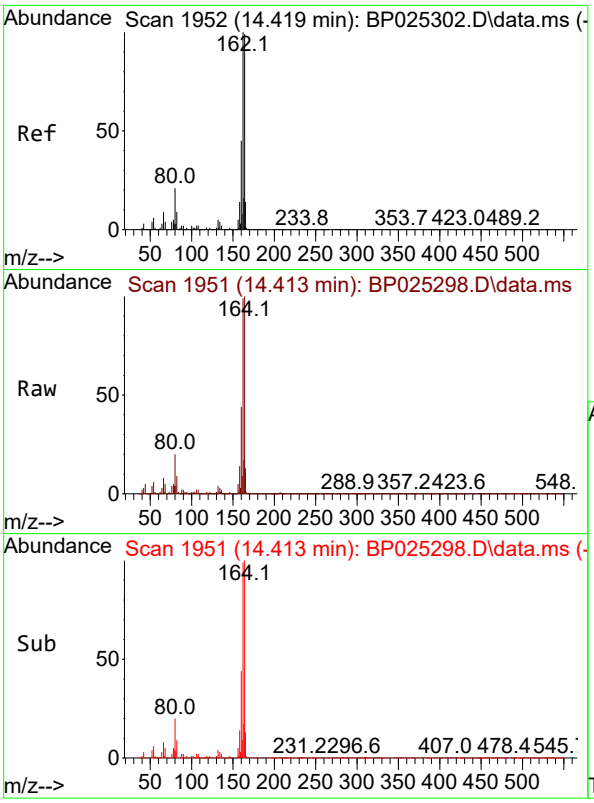


#23
Nitrobenzene-d5
Concen: 4.064 ng
RT: 8.931 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 82 Resp: 54242

Ion	Ratio	Lower	Upper
82	100		
128	39.7	35.4	53.2
54	54.5	42.9	64.3



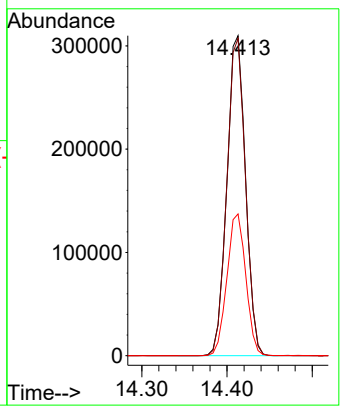


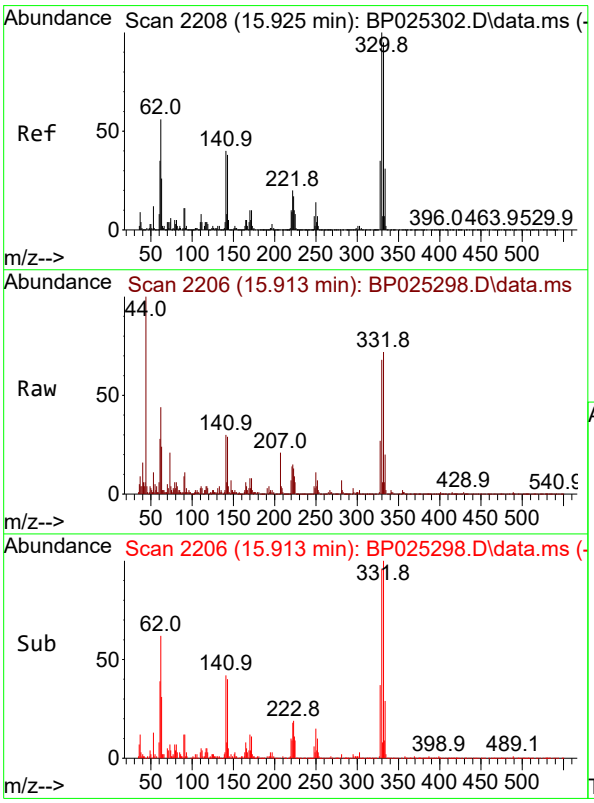
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 469671

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	44.3	35.9	53.9

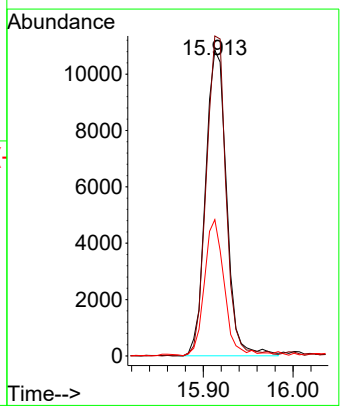


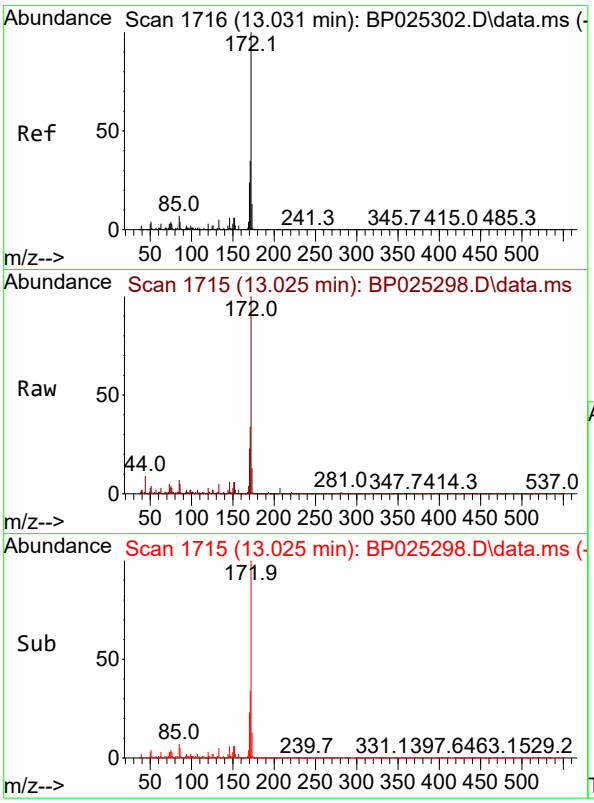


#42
2,4,6-Tribromophenol
Concen: 3.649 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:330 Resp: 17694

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.0
141	41.6	31.7	47.5



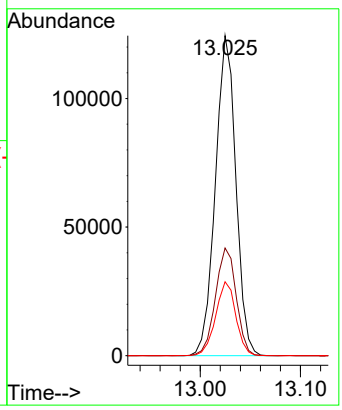


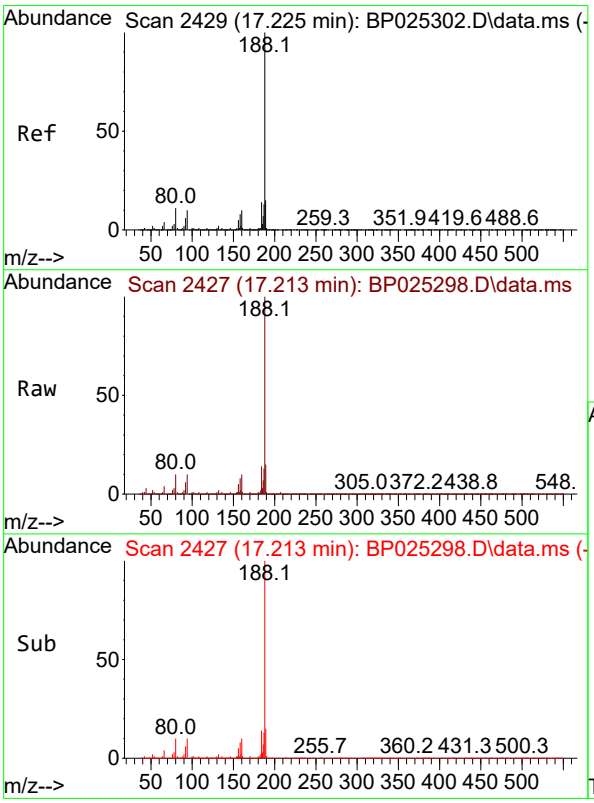
#45
2-Fluorobiphenyl
Concen: 5.214 ng
RT: 13.025 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:172 Resp: 176352

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.9	41.9
170	23.1	18.9	28.3

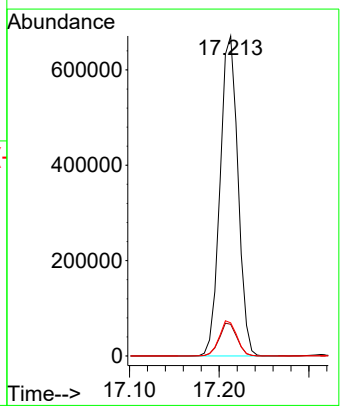


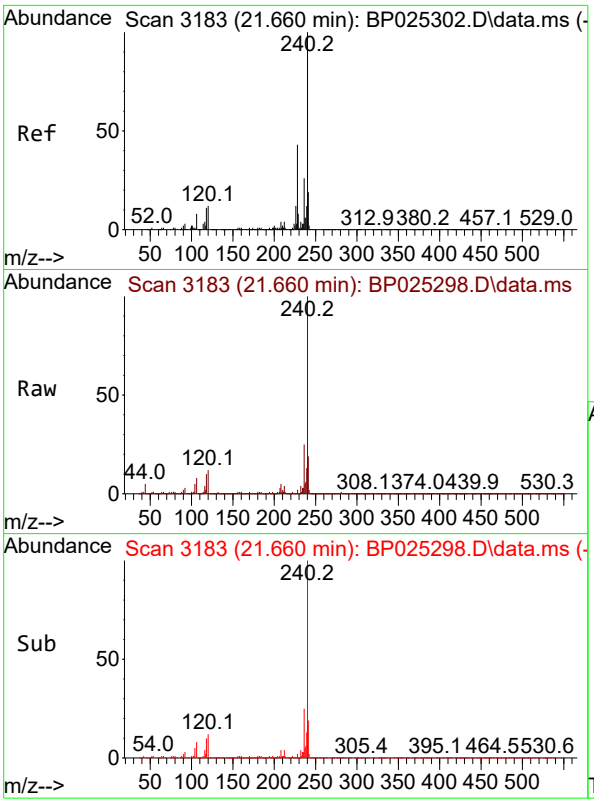


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:188 Resp: 927131

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.4	8.5	12.7



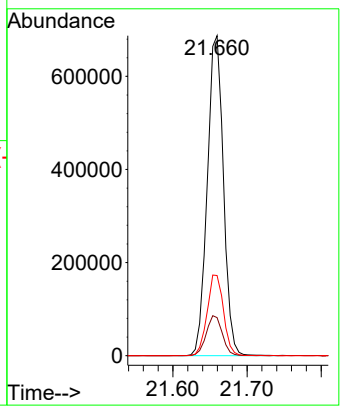


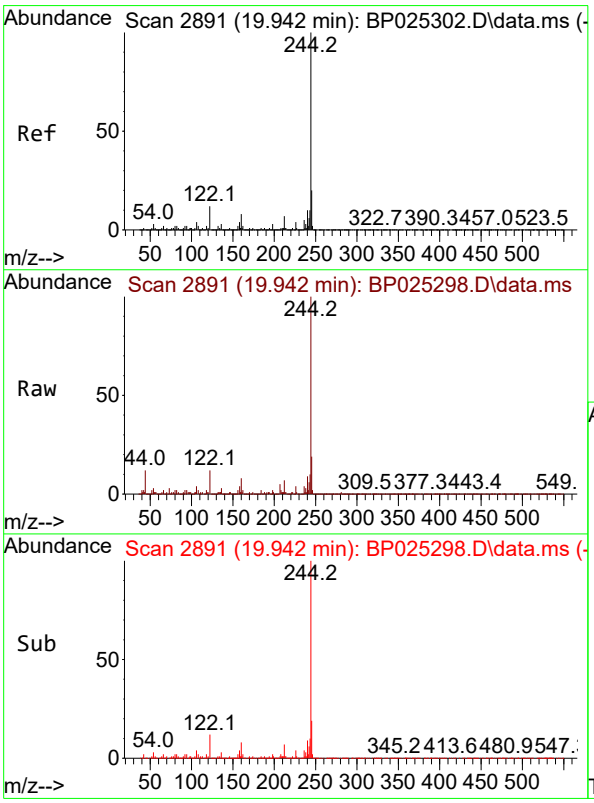
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1039870

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.6	14.4
236	25.1	20.4	30.6

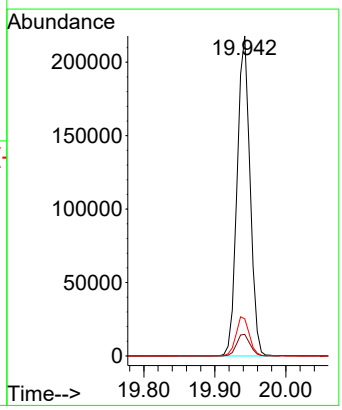


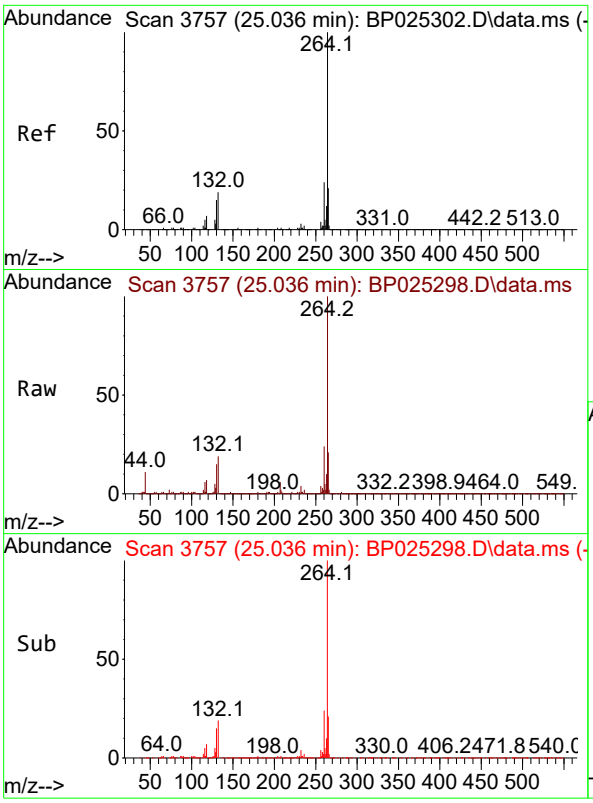


#79
Terphenyl-d14
Concen: 5.008 ng
RT: 19.942 min Scan# 2891
Delta R.T. 0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Tgt Ion:244 Resp: 275667

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	11.6	9.5	14.3



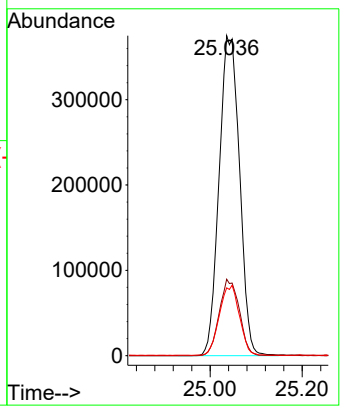


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025298.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1150516

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.1	25.7



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	160859	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	694615	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	469306	20.000	ng		-0.01
64) Phenanthrene-d10	17.207	188	965802	20.000	ng		-0.02
76) Chrysene-d12	21.660	240	1018856	20.000	ng		0.00
86) Perylene-d12	25.036	264	1088697	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	100387	9.973	ng		0.00
7) Phenol-d6	6.955	99	127649	9.613	ng		-0.01
23) Nitrobenzene-d5	8.931	82	112678	8.777	ng		-0.01
42) 2,4,6-Tribromophenol	15.919	330	40199	8.296	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	363946	10.769	ng		0.00
79) Terphenyl-d14	19.930	244	580916	10.771	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	21535	5.456	ng		94
3) Pyridine	3.725	79	55019	5.017	ng		97
6) Aniline	7.125	93	87740	4.856	ng		98
8) 2-Chlorophenol	7.366	128	50305	4.595	ng		98
10) Phenol	6.984	94	68139	4.838	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	55859	5.062	ng		99
12) 1,3-Dichlorobenzene	7.696	146	63992	5.202	ng		98
13) 1,4-Dichlorobenzene	7.837	146	64858	5.212	ng		99
14) 1,2-Dichlorobenzene	8.149	146	62802	5.209	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	91371	5.242	ng		97
17) 2-Methylphenol	8.219	107	43943	4.663	ng		99
18) Hexachloroethane	8.872	117	22659	5.091	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	44357	5.129	ng		95
22) Acetophenone	8.602	105	91026	5.220	ng	#	99
24) Nitrobenzene	8.972	77	54037	4.553	ng		95
25) Isophorone	9.502	82	126178	5.056	ng		100
26) 2-Nitrophenol	9.684	139	14308	6.196	ng		96
27) 2,4-Dimethylphenol	9.743	122	65928	5.730	ng		98
28) bis(2-Chloroethoxy)met...	9.978	93	79327	5.225	ng		99
29) 2,4-Dichlorophenol	10.213	162	43275	4.296	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	56908	5.120	ng		95
31) Naphthalene	10.619	128	189737	5.262	ng		98
33) 4-Chloroaniline	10.713	127	77884	4.856	ng		97
34) Hexachlorobutadiene	10.913	225	33118	5.191	ng		96
36) 4-Chloro-3-methylphenol	11.825	107	53910	4.625	ng		96
37) 2-Methylnaphthalene	12.225	142	120994	5.184	ng		98
38) 1-Methylnaphthalene	12.443	142	128838	5.290	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	64686	5.049	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	32753	3.957	ng		98
44) 2,4,5-Trichlorophenol	12.895	196	36376	3.918	ng		98
46) 1,1'-Biphenyl	13.237	154	178122	5.150	ng		99
47) 2-Chloronaphthalene	13.278	162	133568	5.062	ng		98
48) 2-Nitroaniline	13.466	65	21912	5.624	ng		98
49) Acenaphthylene	14.125	152	218072	4.955	ng		99
50) Dimethylphthalate	13.860	163	178572	5.220	ng		100
51) 2,6-Dinitrotoluene	13.972	165	20906	3.313	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.472	154	136584	5.088	ng		99
53) 3-Nitroaniline	14.295	138	25435	3.445	ng	#	96
55) Dibenzofuran	14.813	168	211708	5.277	ng		100
57) 2,4-Dinitrotoluene	14.760	165	24944	5.632	ng	#	93
58) Fluorene	15.472	166	175964	5.584	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.037	232	30755m	3.942	ng		
60) Diethylphthalate	15.248	149	178152	5.165	ng		100
61) 4-Chlorophenyl-phenyle...	15.466	204	84717	5.671	ng		98
62) 4-Nitroaniline	15.466	138	26612	3.637	ng		93
63) Azobenzene	15.766	77	165659	5.170	ng		97
66) n-Nitrosodiphenylamine	15.684	169	146252	4.973	ng		98
67) 4-Bromophenyl-phenylether	16.384	248	48376	4.978	ng		89
68) Hexachlorobenzene	16.495	284	56081	5.143	ng		97
69) Atrazine	16.660	200	48622	4.702	ng		99
71) Phenanthrene	17.254	178	280407	5.301	ng		99
72) Anthracene	17.348	178	266474	4.996	ng		99
73) Carbazole	17.619	167	256385	5.008	ng		99
74) Di-n-butylphthalate	18.225	149	289176	4.669	ng		99
75) Fluoranthene	19.336	202	318877	5.207	ng		99
78) Pyrene	19.713	202	336486	4.966	ng		100
80) Butylbenzylphthalate	20.677	149	101682	3.701	ng		100
81) Benzo(a)anthracene	21.636	228	342927	5.065	ng		99
83) Chrysene	21.707	228	320171	5.098	ng		100
84) Bis(2-ethylhexyl)phtha...	21.607	149	187300	4.269	ng		100
87) Indeno(1,2,3-cd)pyrene	28.865	276	373927m	4.785	ng		
88) Benzo(b)fluoranthene	23.960	252	321726	4.937	ng		99
89) Benzo(k)fluoranthene	24.030	252	324095	5.016	ng		99
90) Benzo(a)pyrene	24.860	252	303778	4.840	ng		99
91) Dibenzo(a,h)anthracene	28.959	278	308846	4.833	ng		99
92) Benzo(g,h,i)perylene	30.042	276	306565	4.886	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

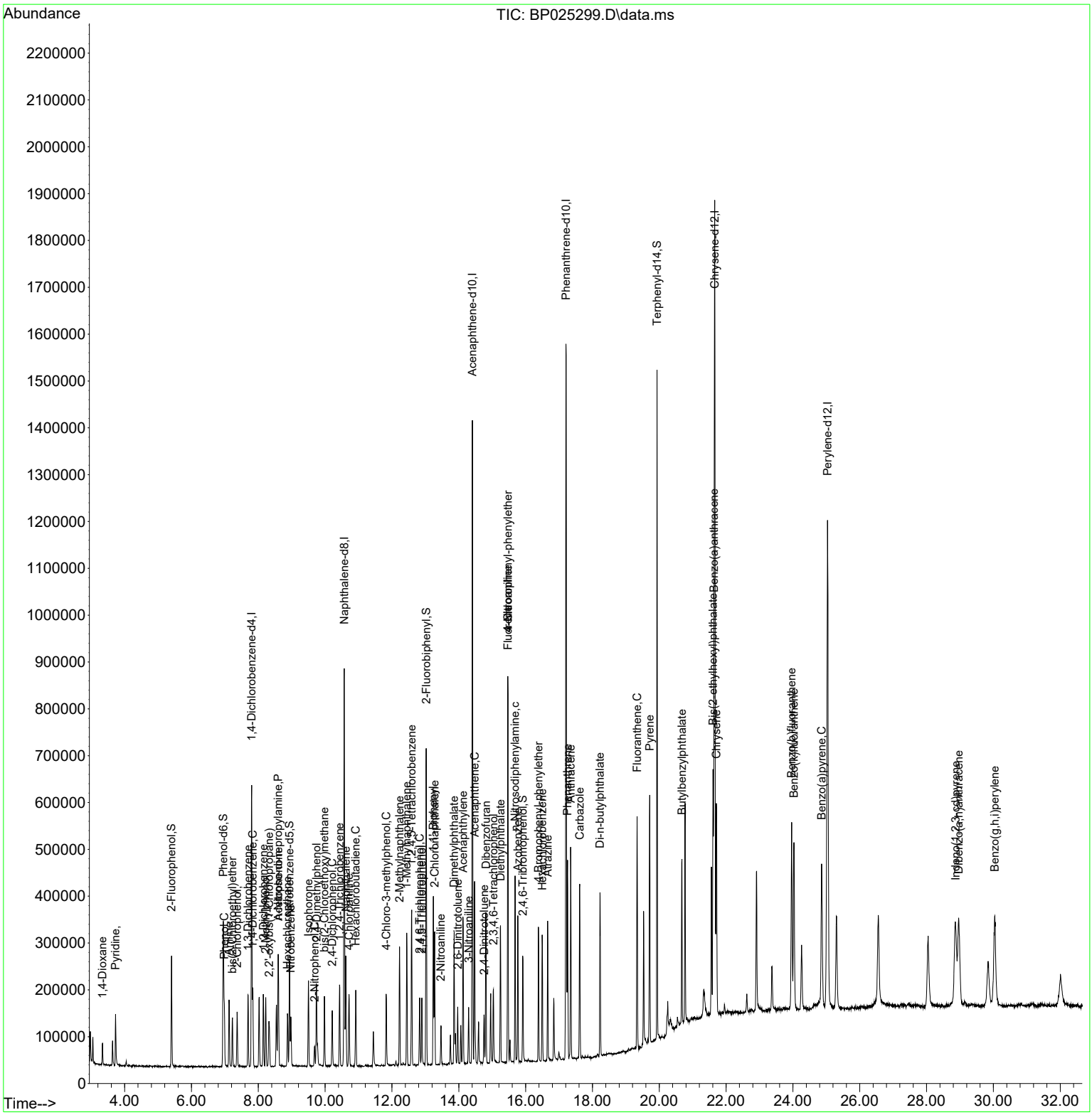
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

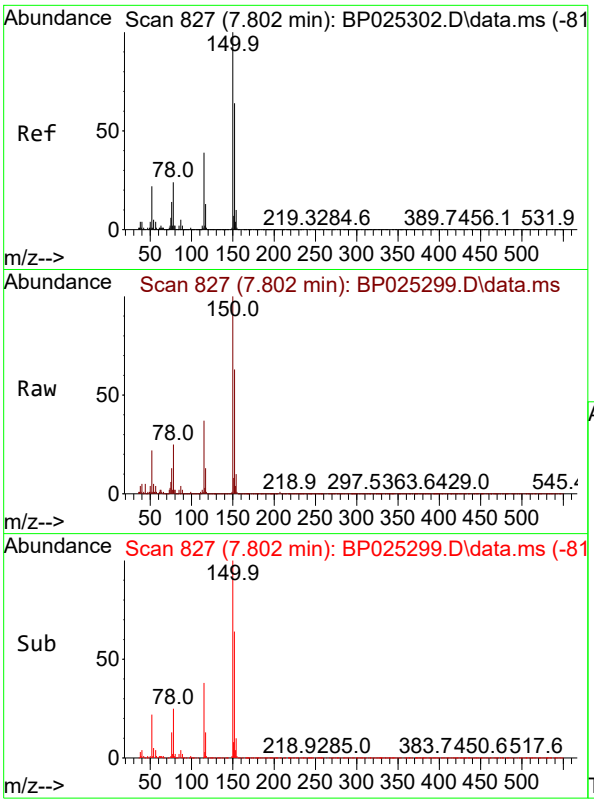
Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

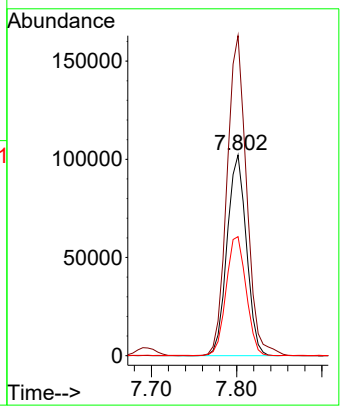




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:152 Resp: 16085

Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.1	187.7
115	59.3	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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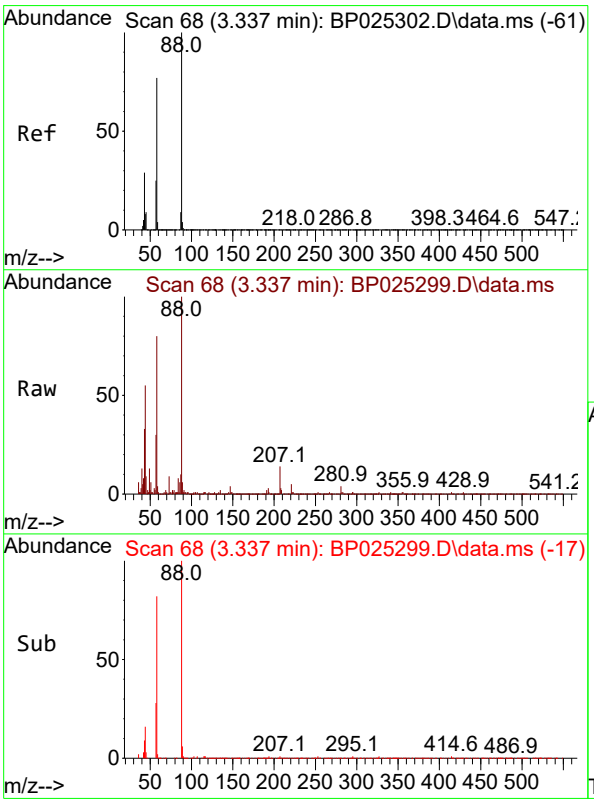
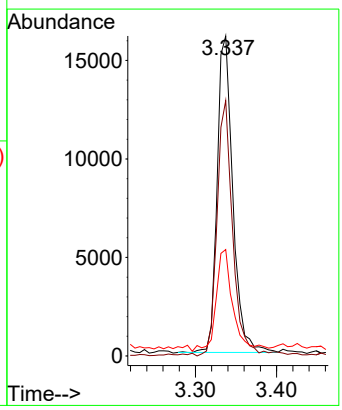
Supervised By :Jagrut Upadhyay 08/06/2025

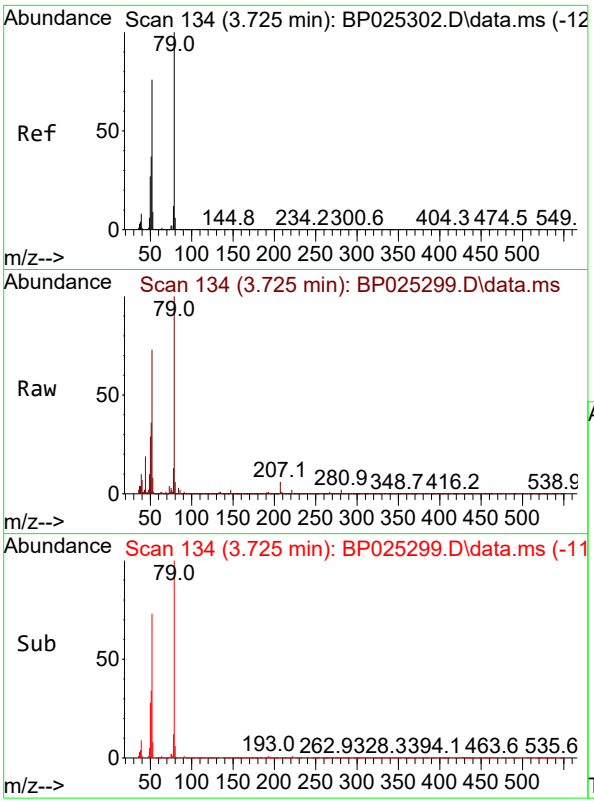


#2
1,4-Dioxane
Concen: 5.456 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 88 Resp: 21535

Ion	Ratio	Lower	Upper
88	100		
58	82.2	61.9	92.9
43	35.0	24.2	36.2

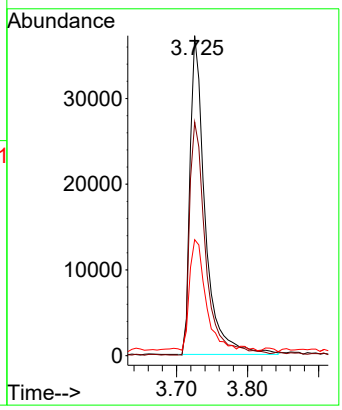




#3
Pyridine
Concen: 5.017 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 79 Resp: 5501

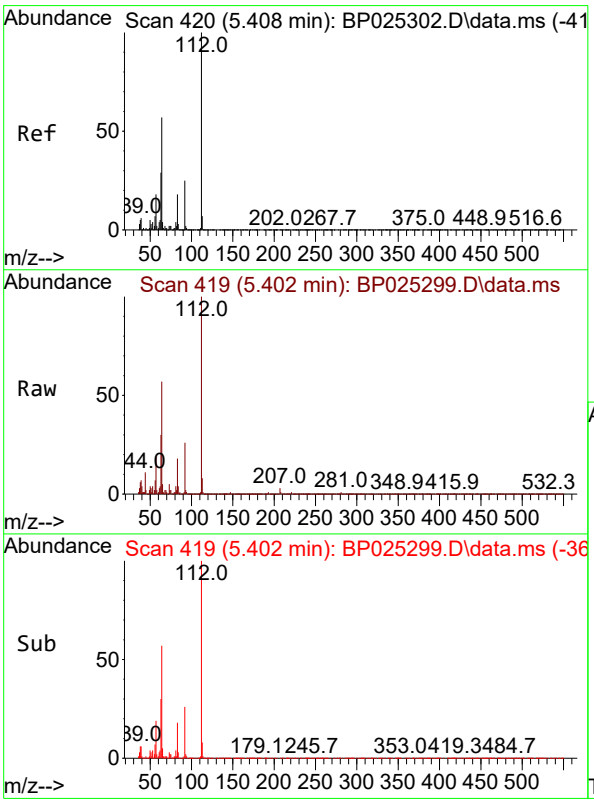
Ion	Ratio	Lower	Upper
79	100		
52	73.0	60.5	90.7
51	36.2	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

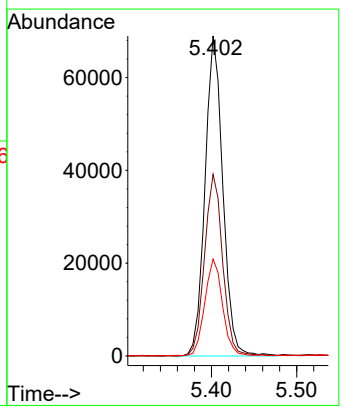
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

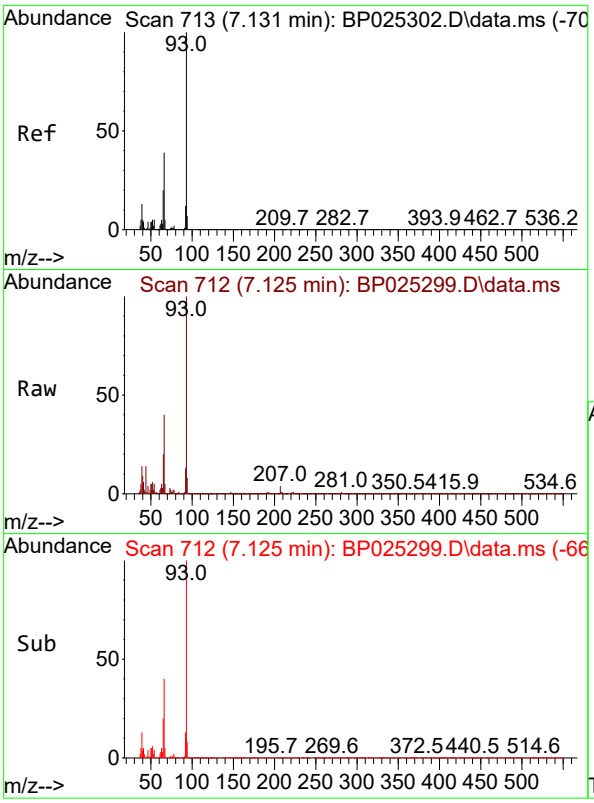


#5
2-Fluorophenol
Concen: 9.973 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:112 Resp: 100387

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.3	67.9
63	30.3	23.0	34.6

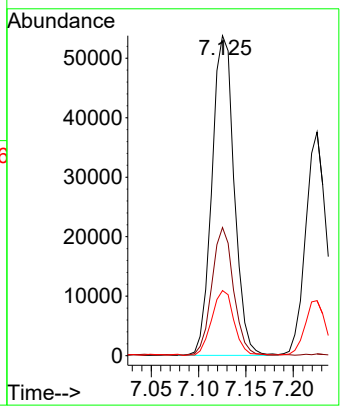




#6
Aniline
Concen: 4.856 ng
RT: 7.125 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 8774

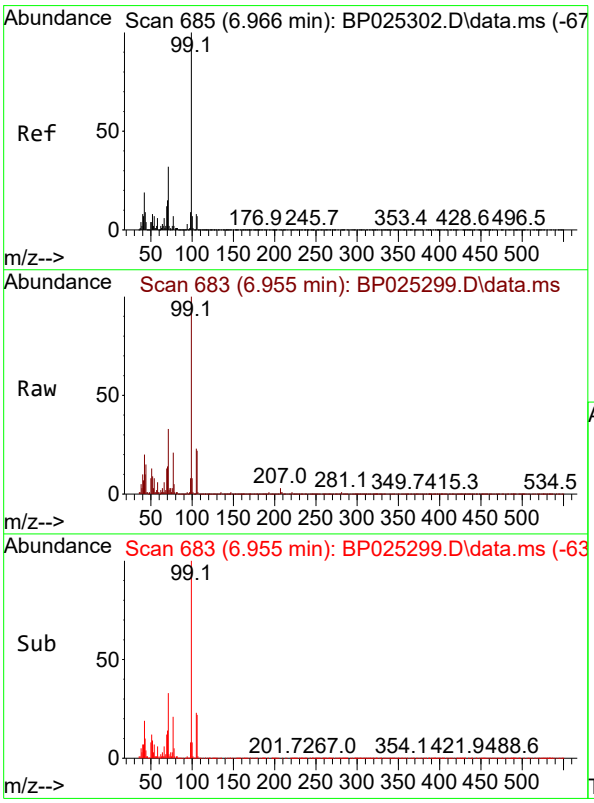
Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.1	46.7
65	20.3	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

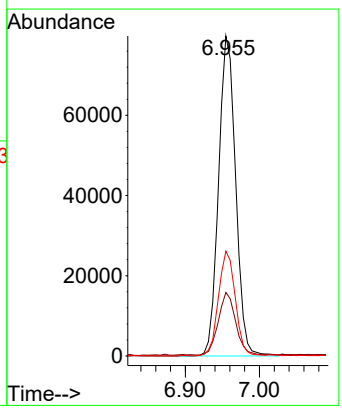
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

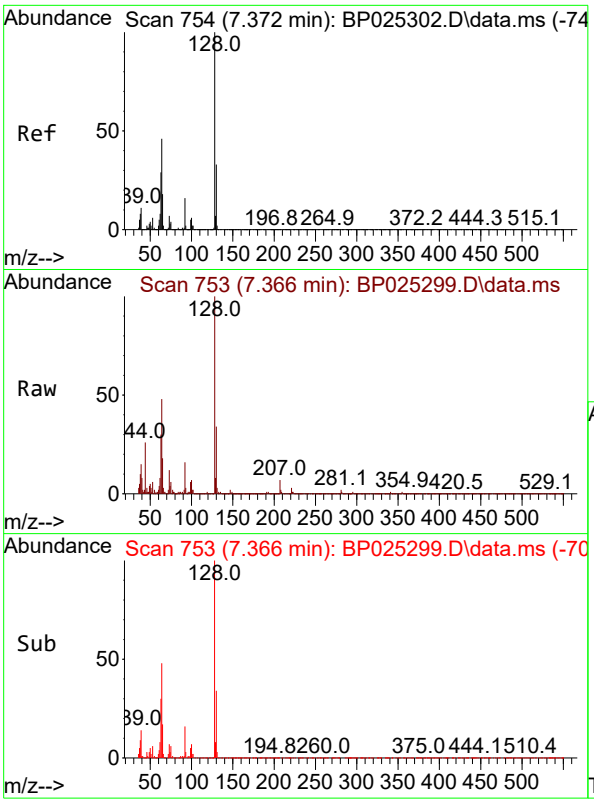


#7
Phenol-d6
Concen: 9.613 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 99 Resp: 127649

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.0	22.6
71	32.8	25.5	38.3

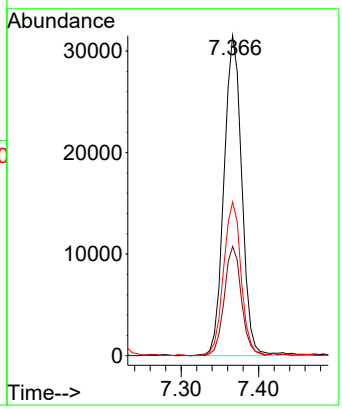




#8
2-Chlorophenol
Concen: 4.595 ng
RT: 7.366 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:128 Resp: 5030

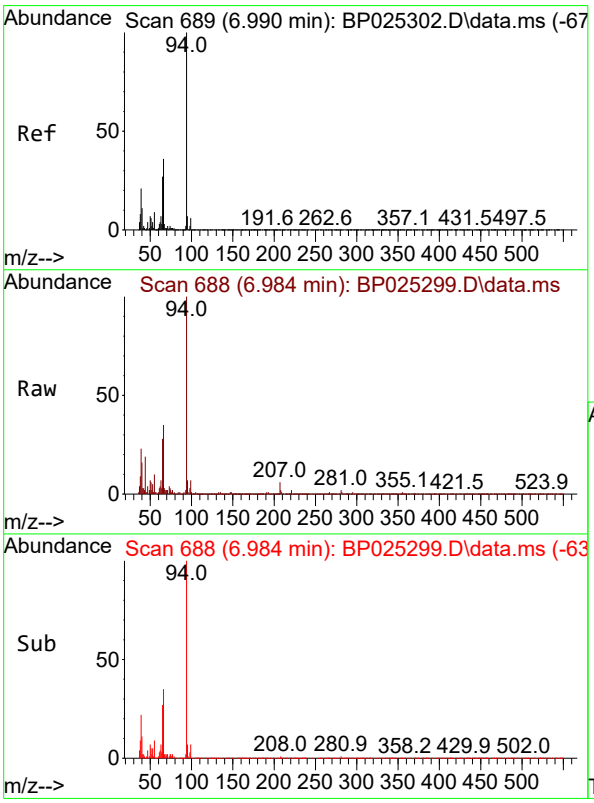
Ion	Ratio	Lower	Upper
128	100		
130	34.2	13.1	53.1
64	48.0	26.1	66.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

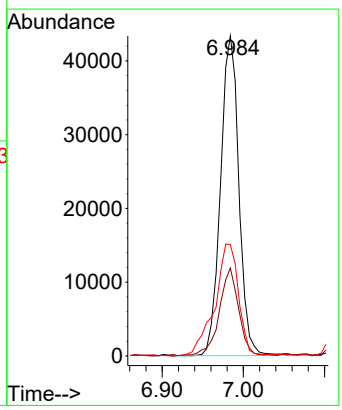
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

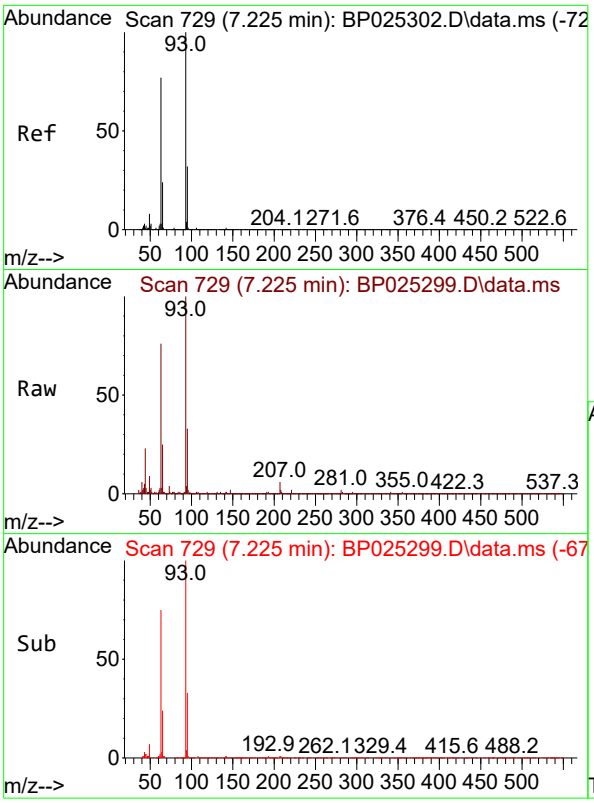


#10
Phenol
Concen: 4.838 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 94 Resp: 68139

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.8	15.7	55.7

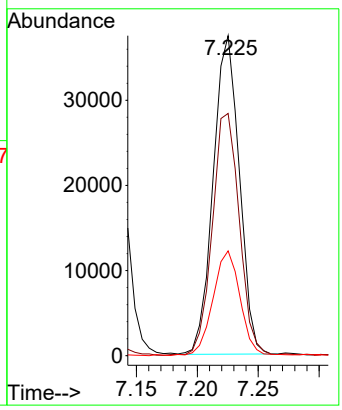




#11
bis(2-Chloroethyl)ether
Concen: 5.062 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 5585

Ion	Ratio	Lower	Upper
93	100		
63	75.7	57.0	97.0
95	32.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
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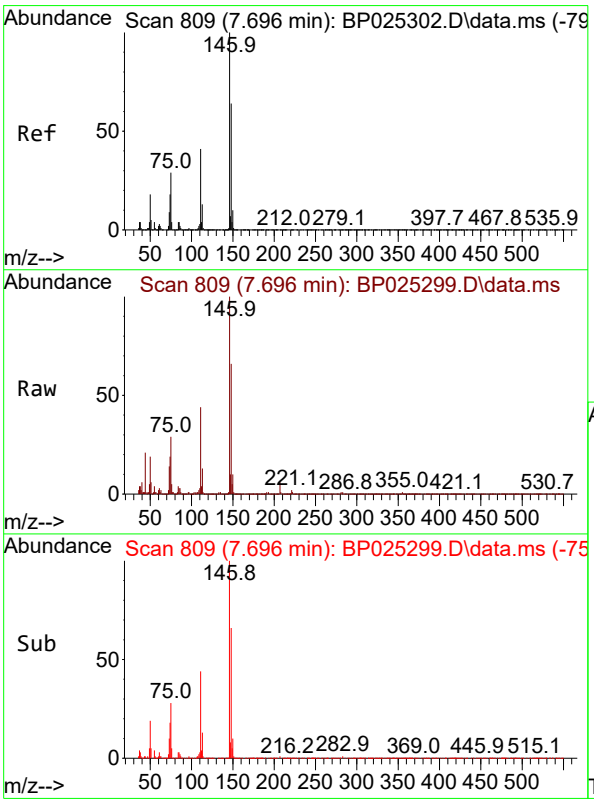
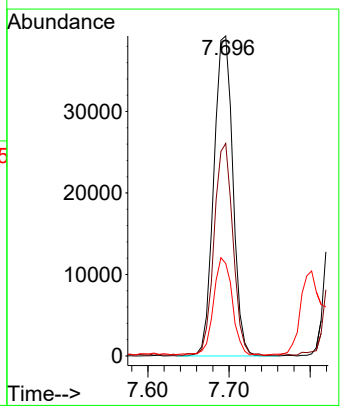
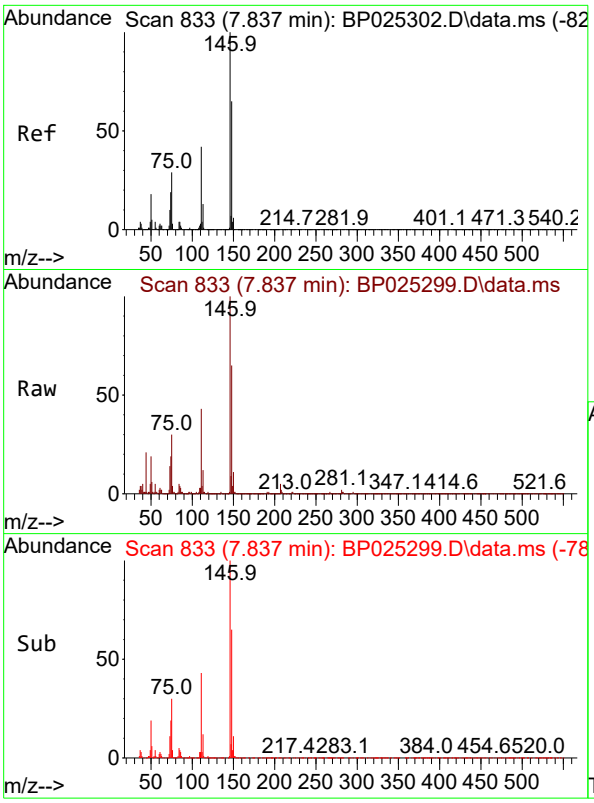


#12
1,3-Dichlorobenzene
Concen: 5.202 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 63992

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.1	76.7
75	28.9	23.2	34.8

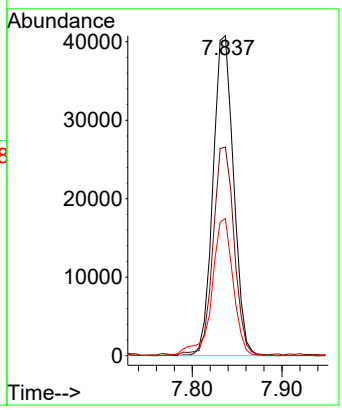




#13
1,4-Dichlorobenzene
Concen: 5.212 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 6485

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.0	78.0
111	42.9	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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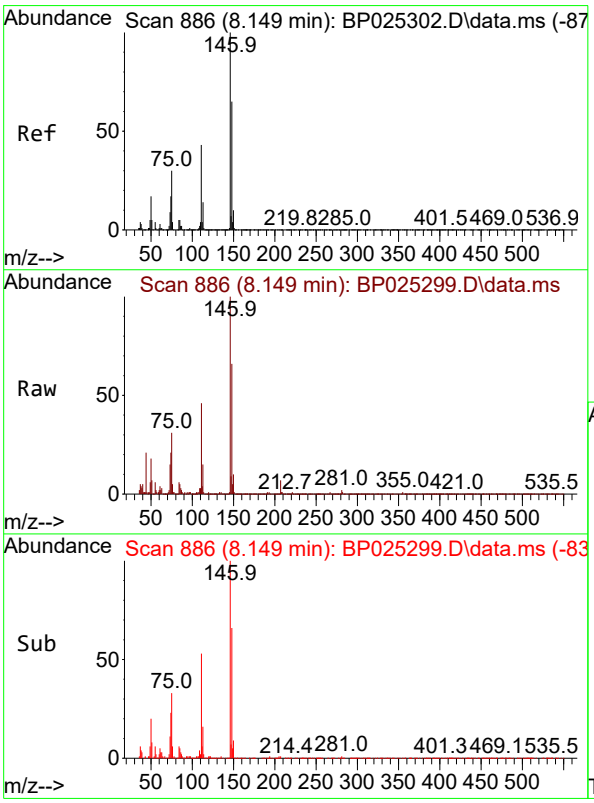
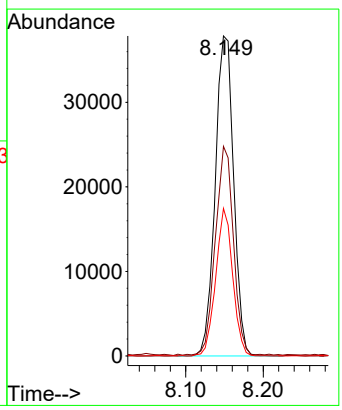
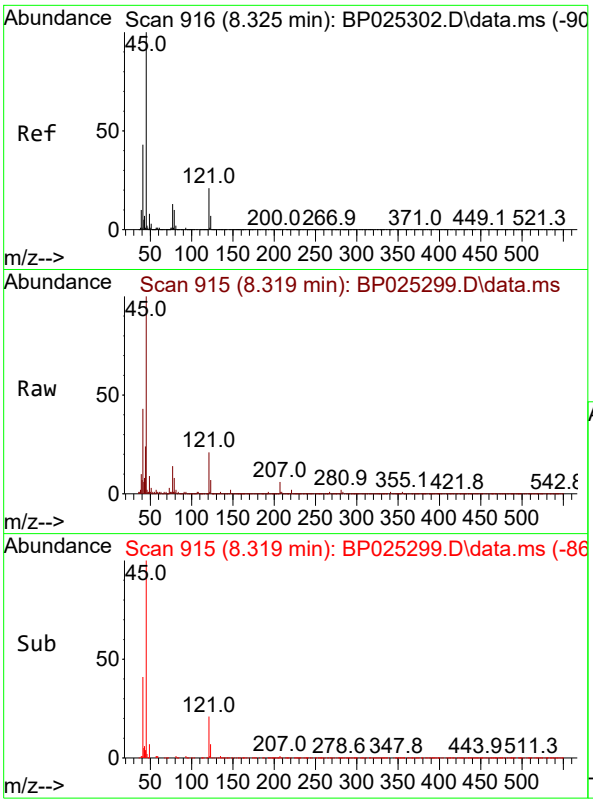


#14
1,2-Dichlorobenzene
Concen: 5.209 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 62802

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	46.1	34.4	51.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.242 ng
RT: 8.319 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 45 Resp: 9137

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.0
79	8.4	0.0	29.8

Instrument :
BNA_P
ClientSampleId :
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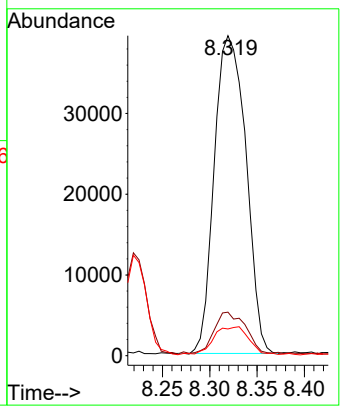
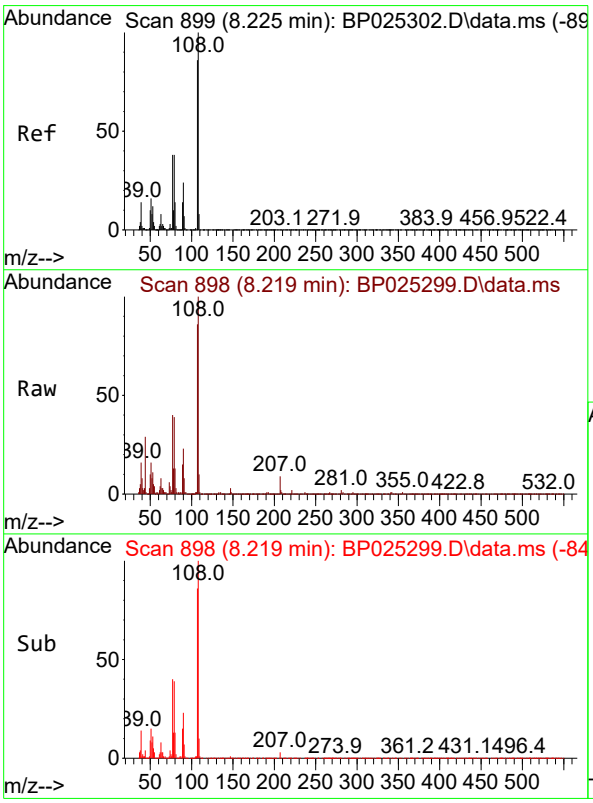
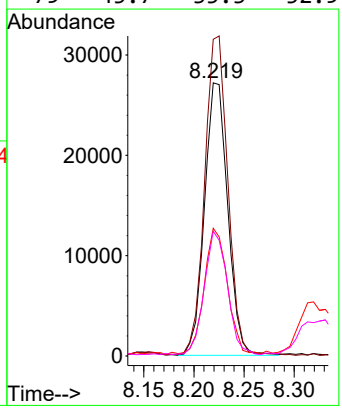


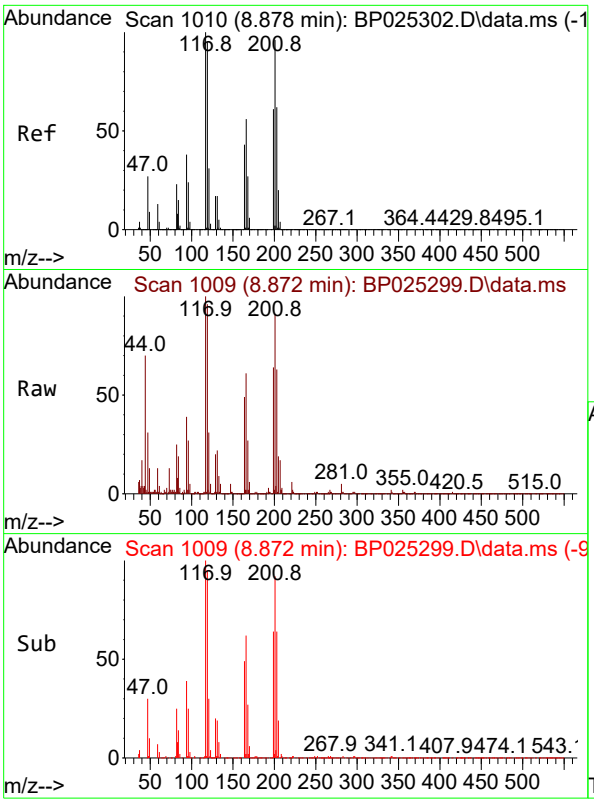


#17
2-Methylphenol
Concen: 4.663 ng
RT: 8.219 min Scan# 898
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 43943

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.6	139.0
77	46.8	35.4	53.2
79	45.7	35.3	52.9

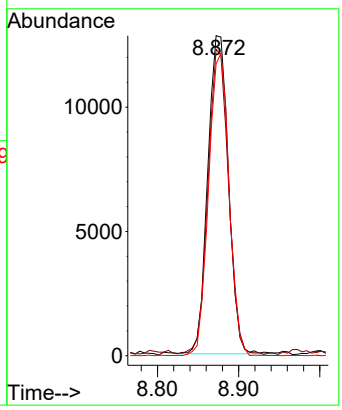




#18
Hexachloroethane
Concen: 5.091 ng
RT: 8.872 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:117 Resp: 2265

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
201	95.0	76.6	114.8



Instrument :
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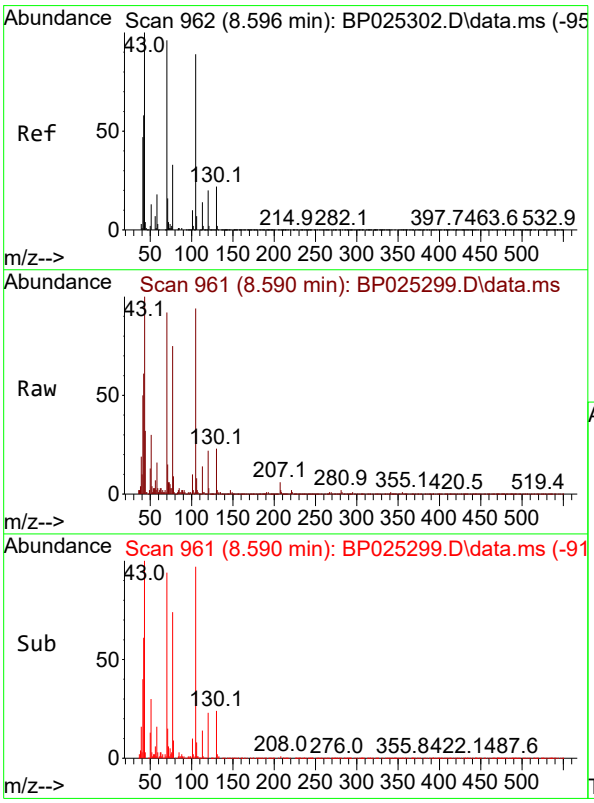
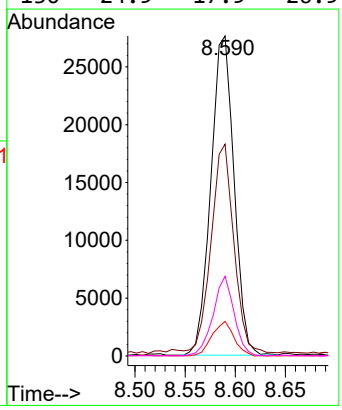
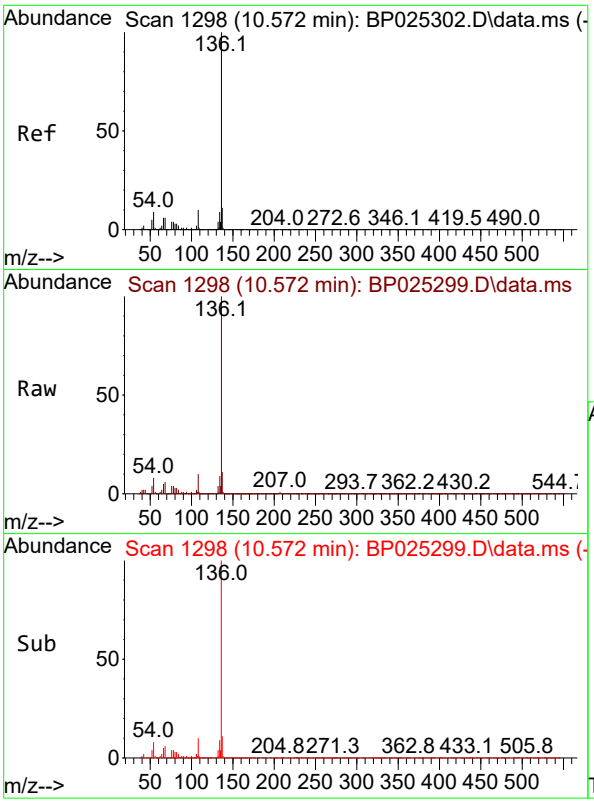


#19
n-Nitroso-di-n-propylamine
Concen: 5.129 ng
RT: 8.590 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 70 Resp: 44357

Ion	Ratio	Lower	Upper
70	100		
42	66.2	49.4	74.0
101	10.8	7.9	11.9
130	24.9	17.9	26.9

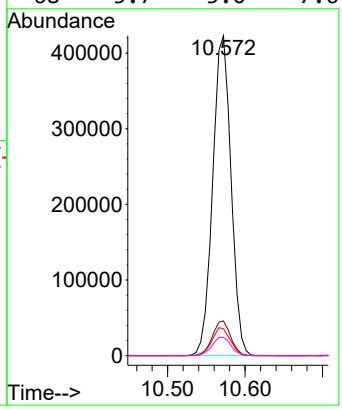




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:136 Resp: 69461

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	7.0	10.6
68	5.7	5.0	7.6



Instrument :
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ClientSampleId :
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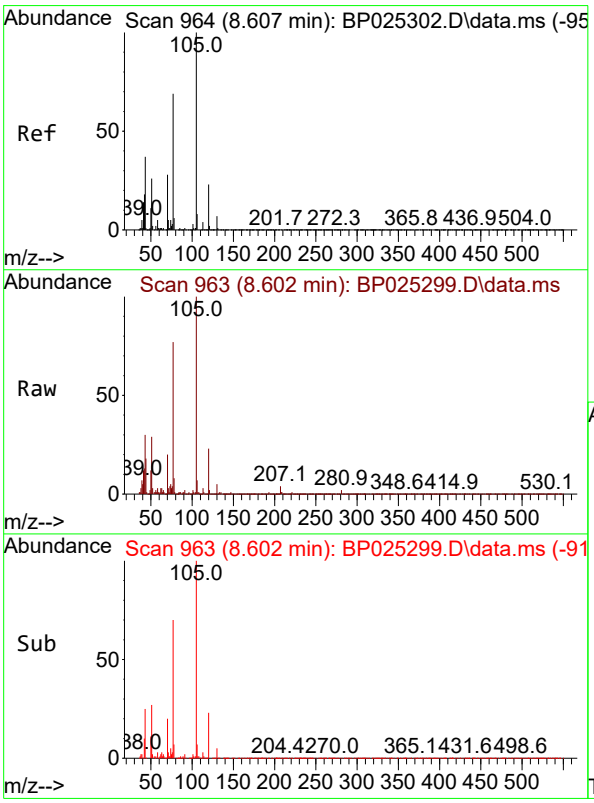
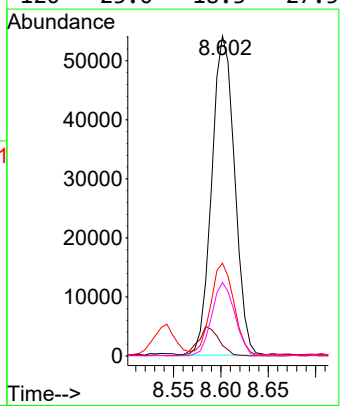
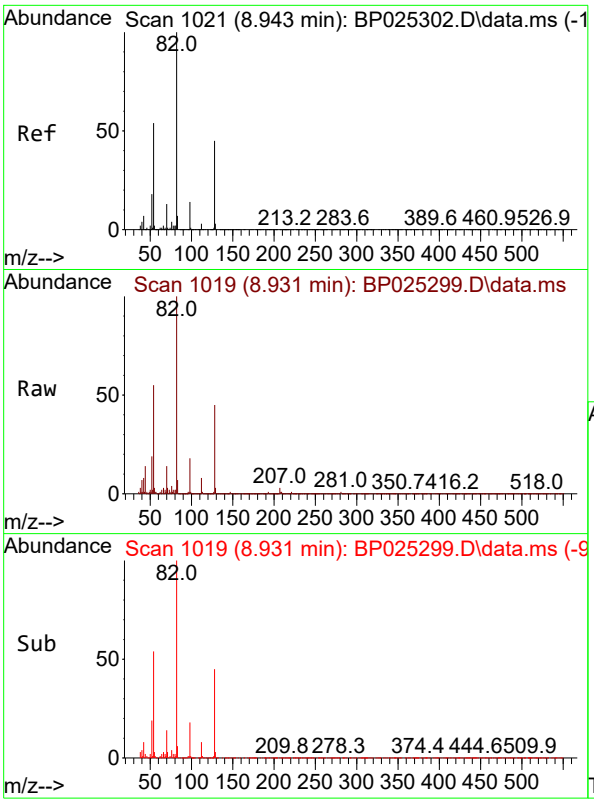


#22
Acetophenone
Concen: 5.220 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:105 Resp: 91026

Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.1	6.1#
51	29.0	22.7	34.1
120	23.0	18.3	27.5

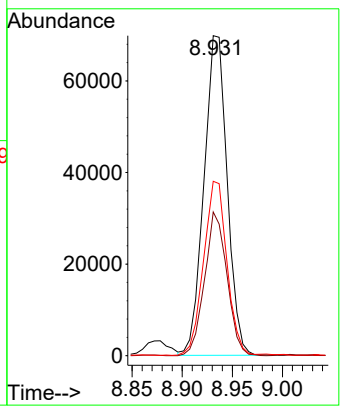




#23
Nitrobenzene-d5
Concen: 8.777 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 82 Resp: 11267

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.4	53.2
54	54.5	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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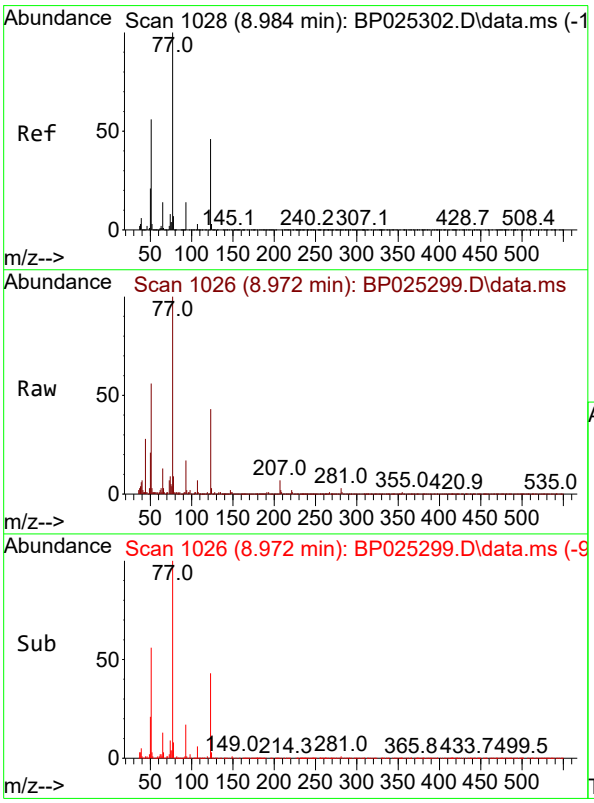
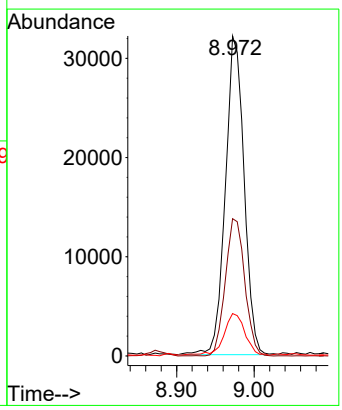
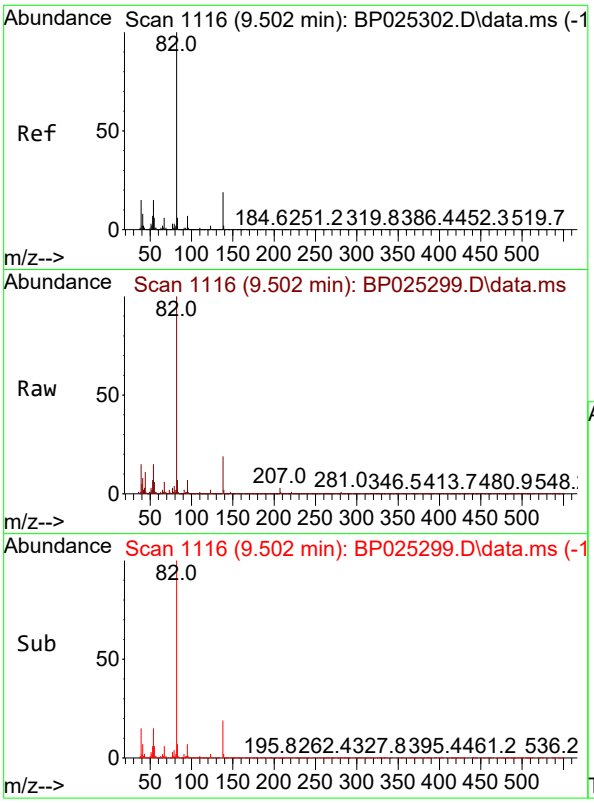


#24
Nitrobenzene
Concen: 4.553 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 77 Resp: 54037

Ion	Ratio	Lower	Upper
77	100		
123	42.9	37.4	56.2
65	13.3	11.1	16.7

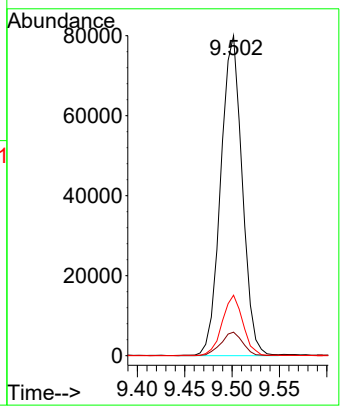




#25
Isophorone
Concen: 5.056 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 82 Resp: 12617

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.9	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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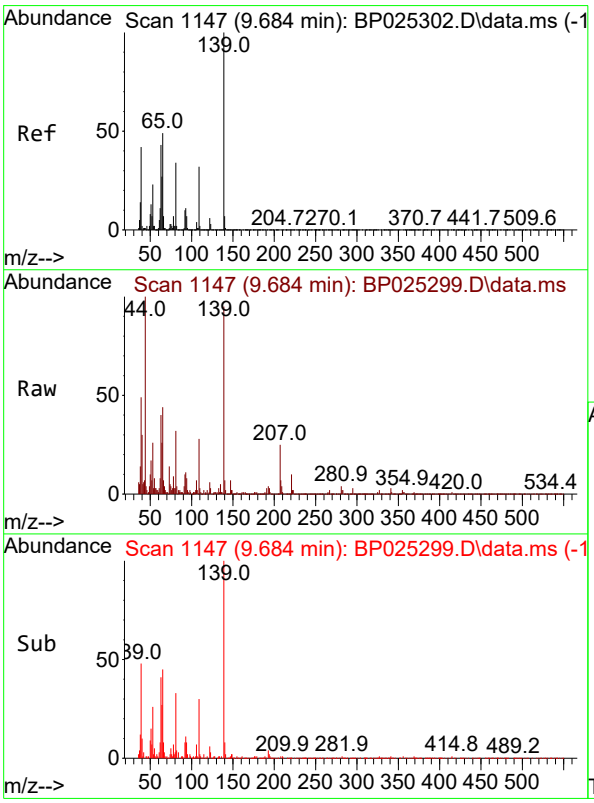
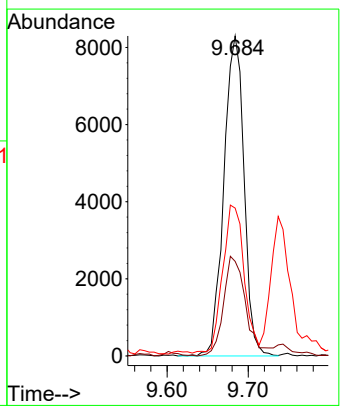
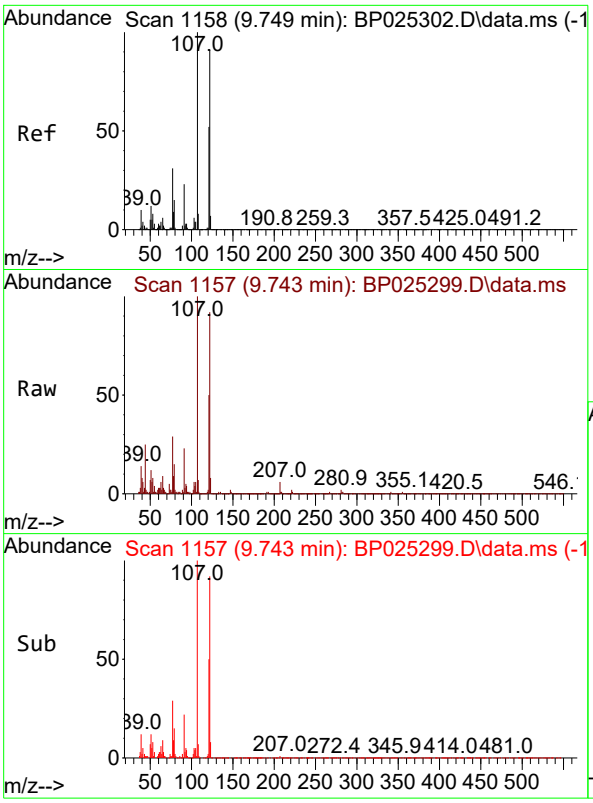


#26
2-Nitrophenol
Concen: 6.196 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:139 Resp: 14308

Ion	Ratio	Lower	Upper
139	100		
109	29.5	25.2	37.8
65	46.2	39.6	59.4





#27
2,4-Dimethylphenol
Concen: 5.730 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:122 Resp: 6592

Ion	Ratio	Lower	Upper
122	100		
107	108.8	87.4	131.0
121	53.9	45.8	68.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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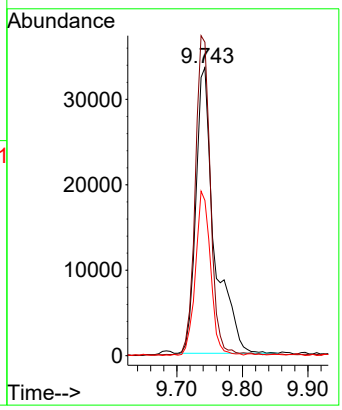
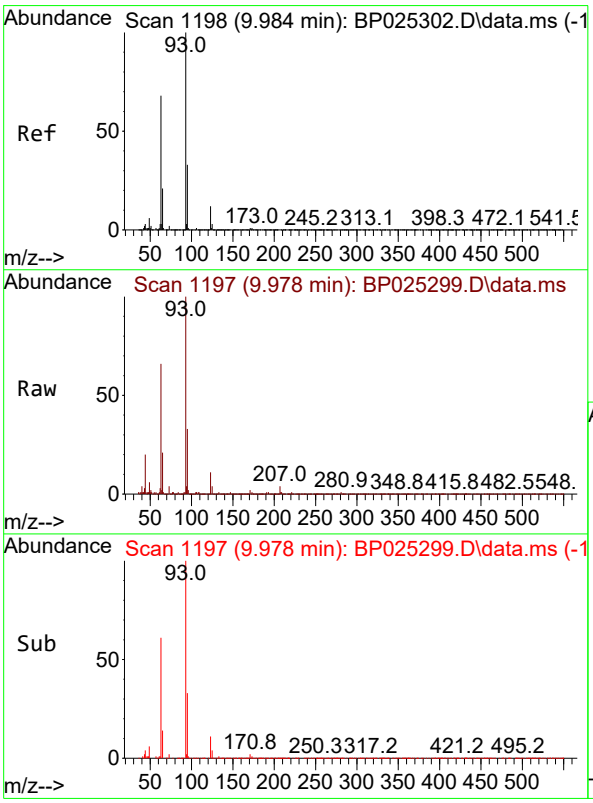
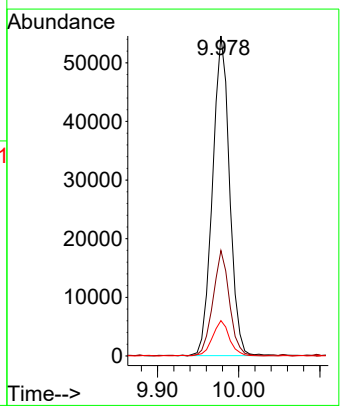


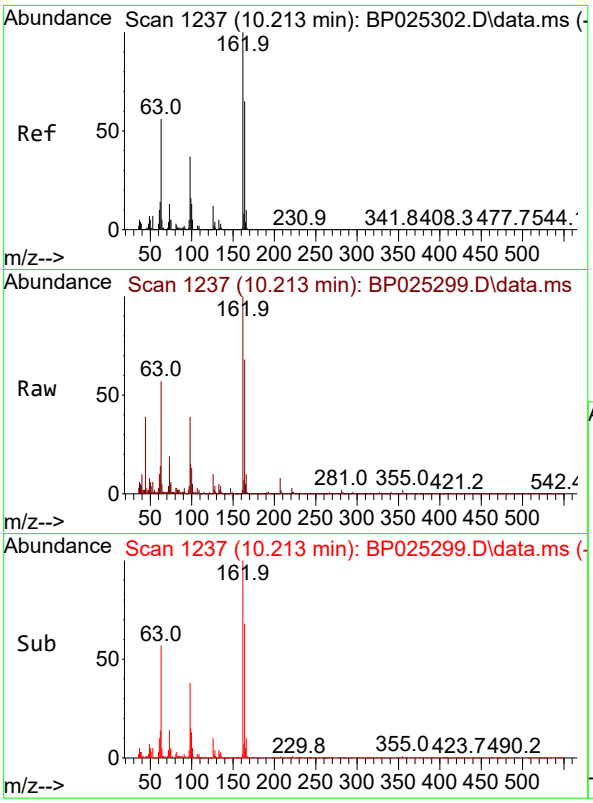


#28
bis(2-Chloroethoxy)methane
Concen: 5.225 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 79327

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.0	9.4	14.2

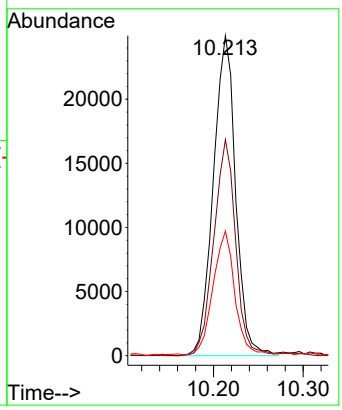




#29
2,4-Dichlorophenol
Concen: 4.296 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:162 Resp: 4327

Ion	Ratio	Lower	Upper
162	100		
164	67.5	45.2	85.2
98	39.0	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
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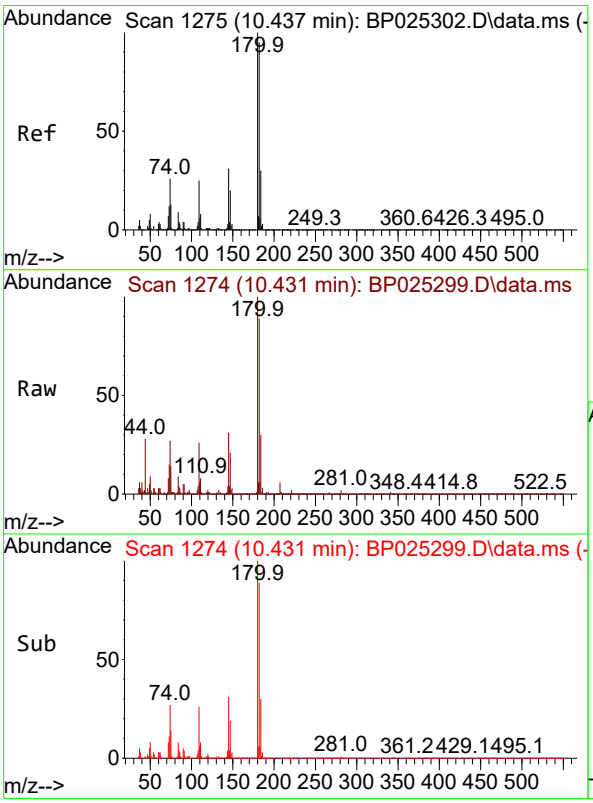
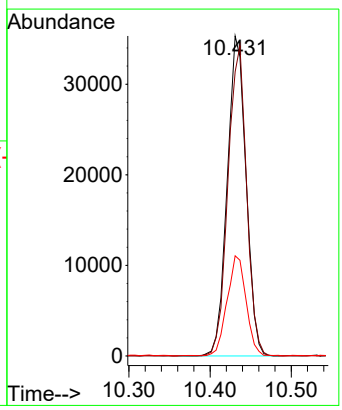
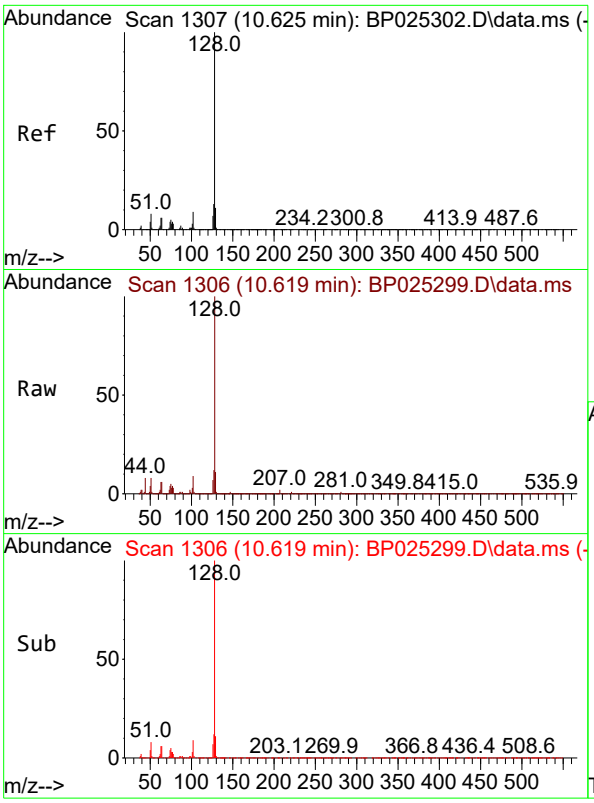


#30
1,2,4-Trichlorobenzene
Concen: 5.120 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:180 Resp: 56908

Ion	Ratio	Lower	Upper
180	100		
182	88.8	75.8	113.8
145	31.3	25.0	37.4

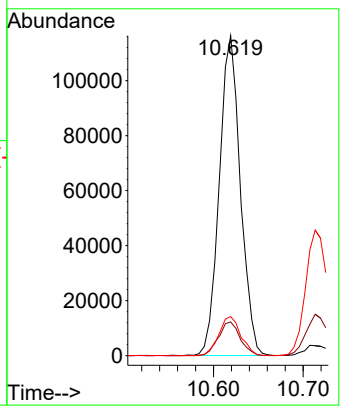




#31
Naphthalene
Concen: 5.262 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:128 Resp: 18973

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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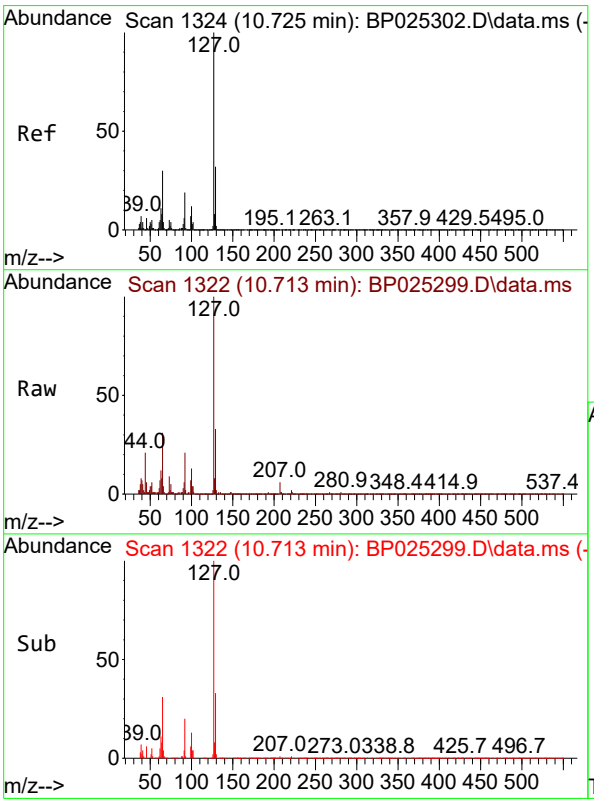
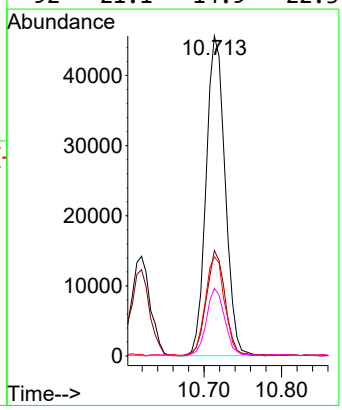
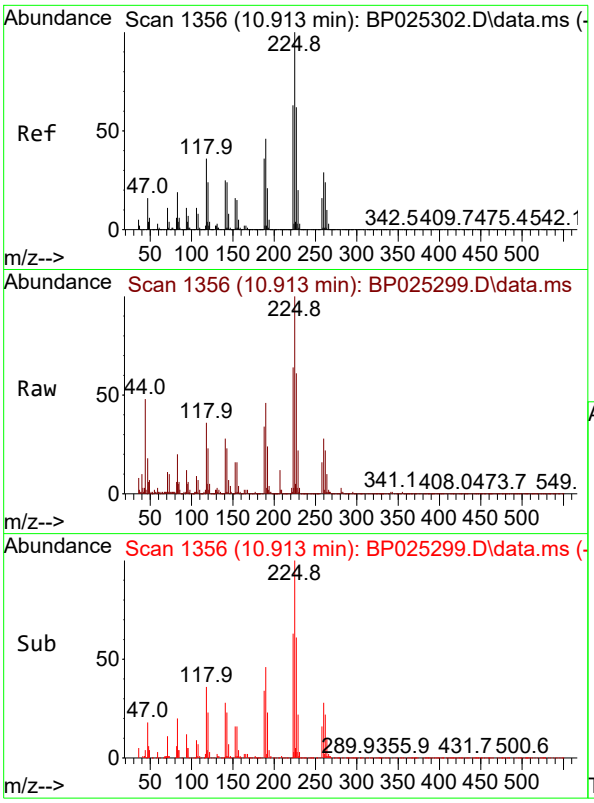


#33
4-Chloroaniline
Concen: 4.856 ng
RT: 10.713 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:127 Resp: 77884

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.6
65	31.0	23.6	35.4
92	21.1	14.9	22.3

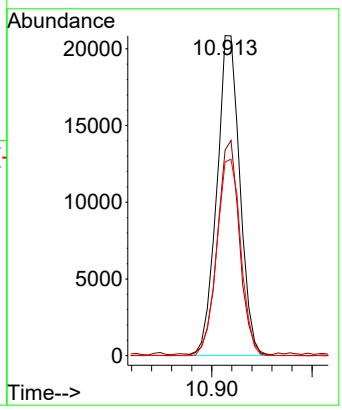




#34
Hexachlorobutadiene
Concen: 5.191 ng
RT: 10.913 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:225 Resp: 3311

Ion	Ratio	Lower	Upper
225	100		
223	67.5	50.3	75.5
227	60.6	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
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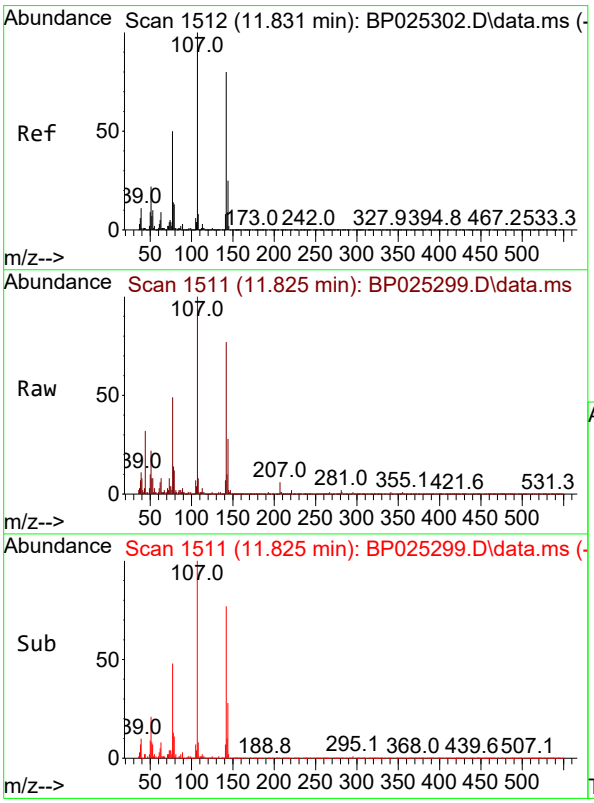
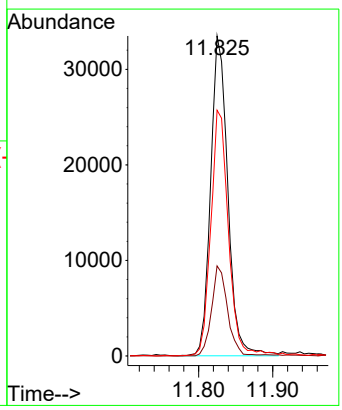
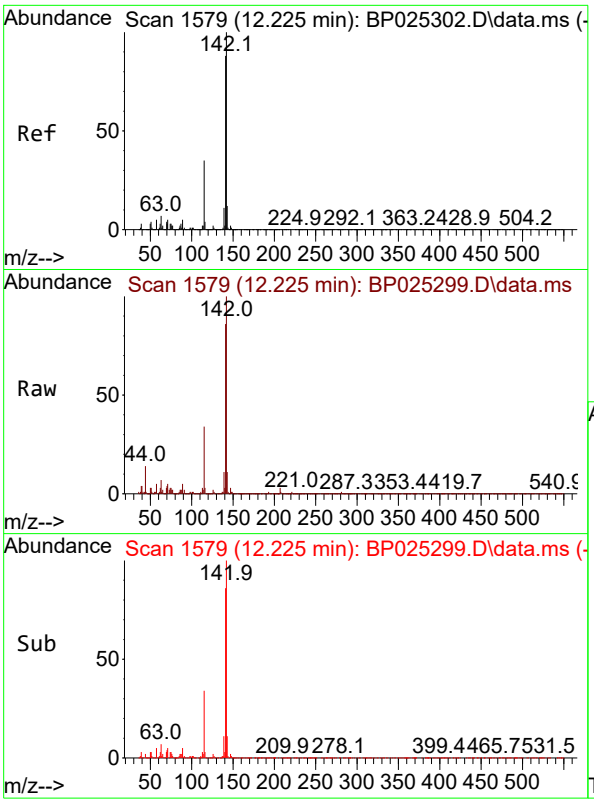


#36
4-Chloro-3-methylphenol
Concen: 4.625 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 53910

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.4	30.6
142	76.8	63.7	95.5

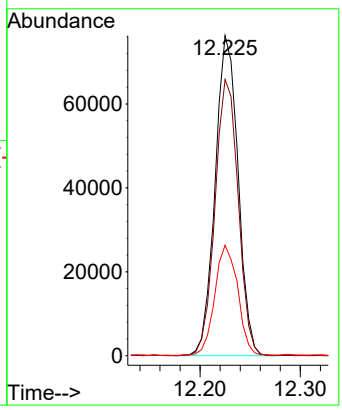




#37
2-Methylnaphthalene
Concen: 5.184 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:142 Resp: 12099

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.4	105.6
115	34.5	28.0	42.0



Instrument :
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ClientSampleId :
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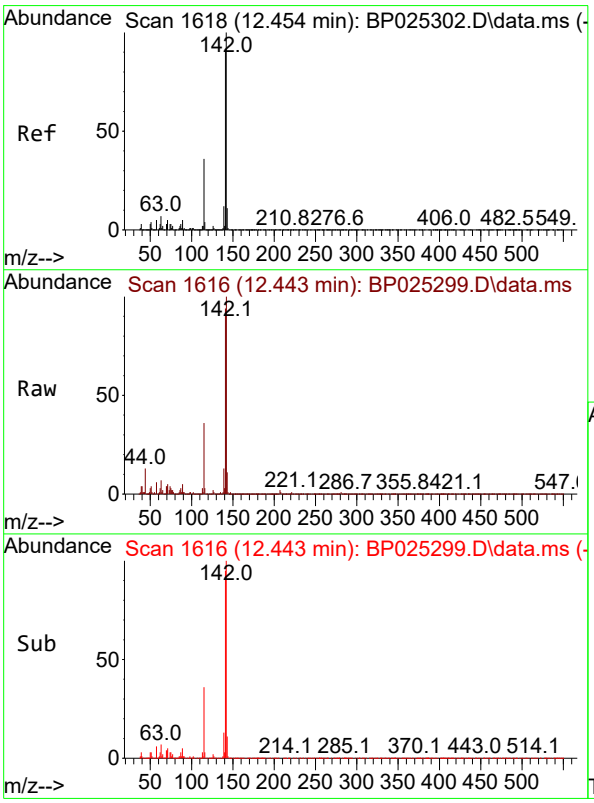
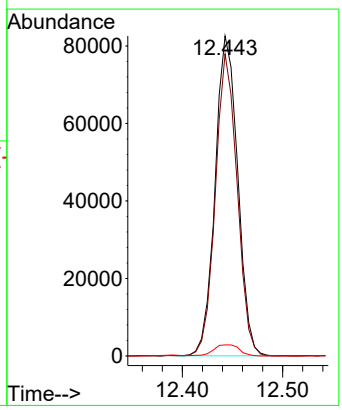
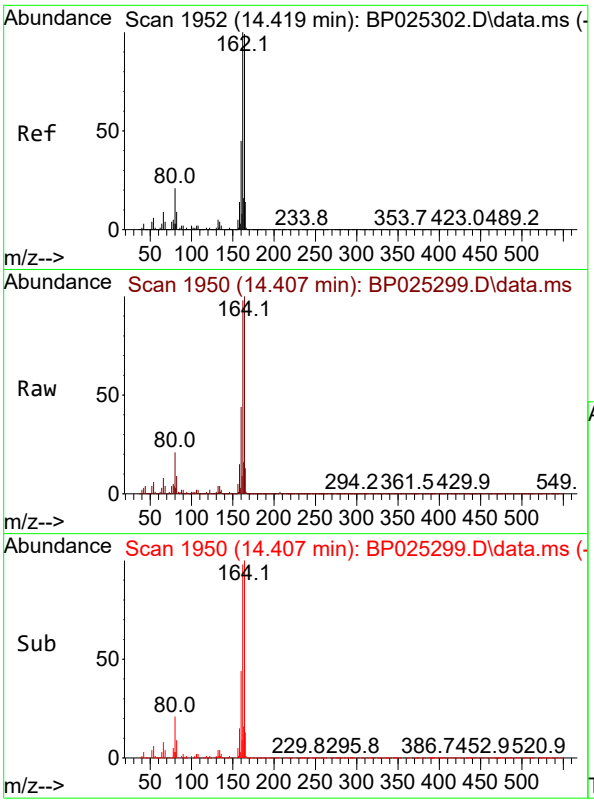


#38
1-Methylnaphthalene
Concen: 5.290 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:142 Resp: 128838

Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.0	109.6
116	3.4	3.0	4.6

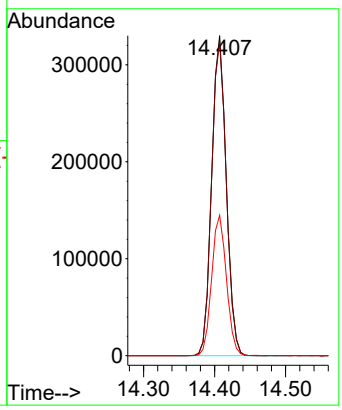




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:164 Resp: 46930

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	120.8
160	43.9	35.9	53.9



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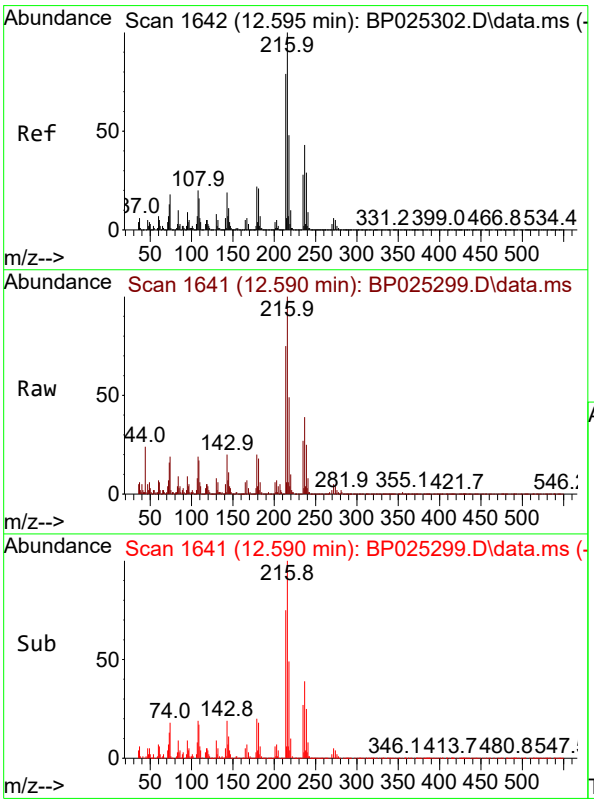
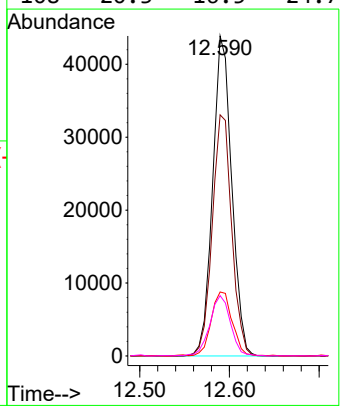
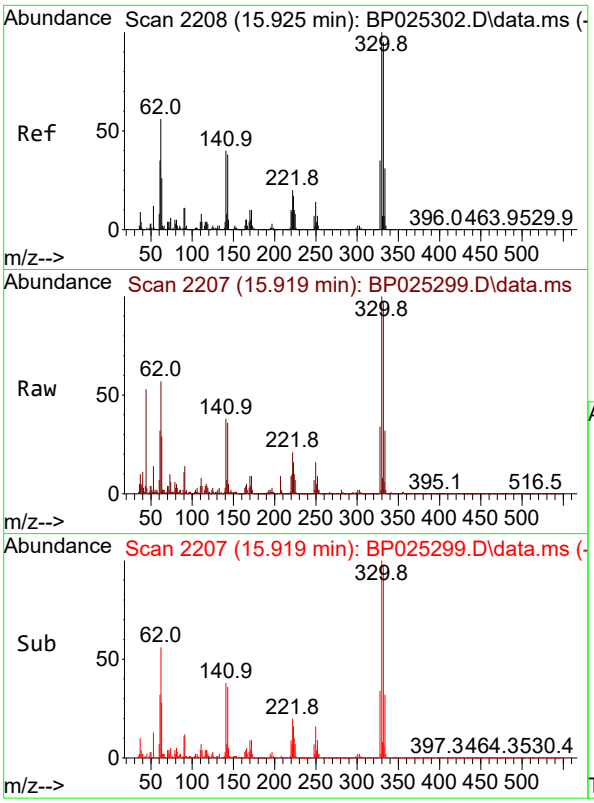


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.049 ng
RT: 12.590 min Scan# 1641
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:216 Resp: 64686

Ion	Ratio	Lower	Upper
216	100		
214	76.8	62.4	93.6
179	22.3	17.5	26.3
108	20.3	16.5	24.7

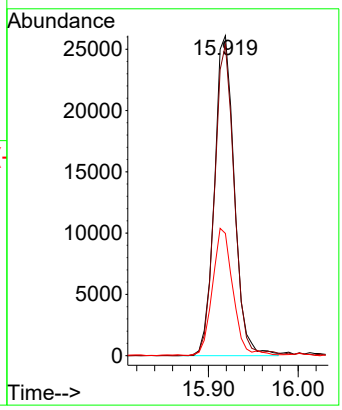




#42
2,4,6-Tribromophenol
Concen: 8.296 ng
RT: 15.919 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:330 Resp: 4019

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	40.6	31.7	47.5



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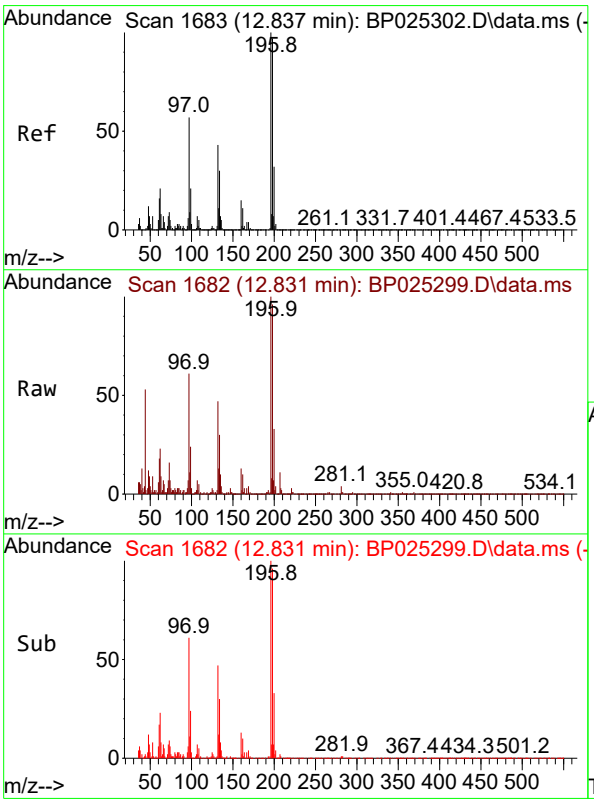
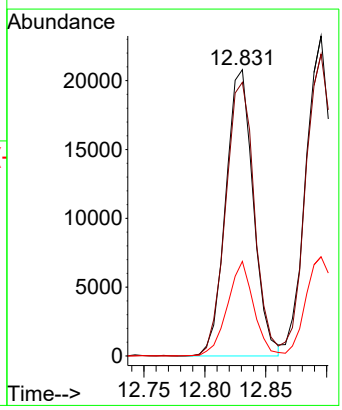
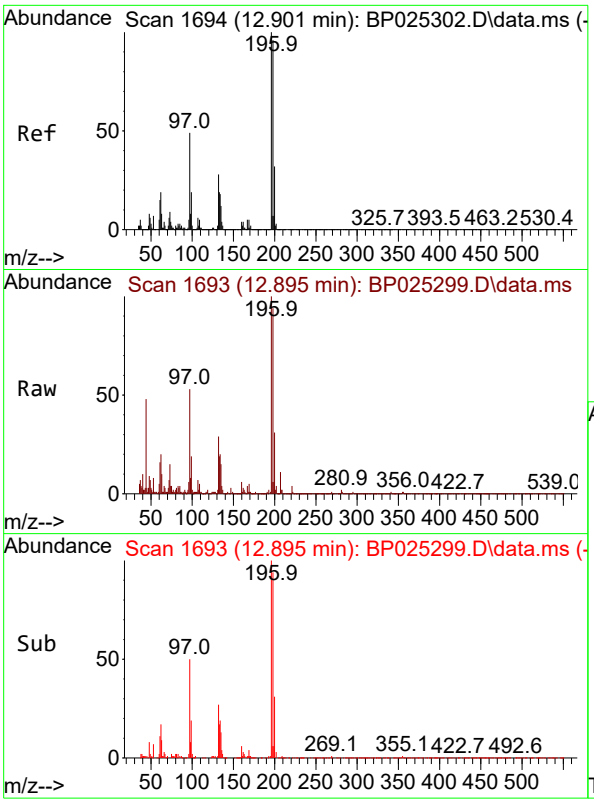


#43
2,4,6-Trichlorophenol
Concen: 3.957 ng
RT: 12.831 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:196 Resp: 32753

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
200	34.9	25.4	38.2

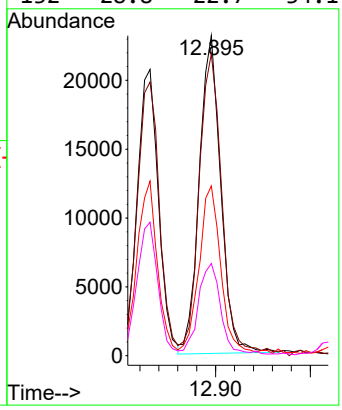




#44
2,4,5-Trichlorophenol
Concen: 3.918 ng
RT: 12.895 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:196 Resp: 3637

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.6	114.8
97	53.0	39.5	59.3
132	28.8	22.7	34.1



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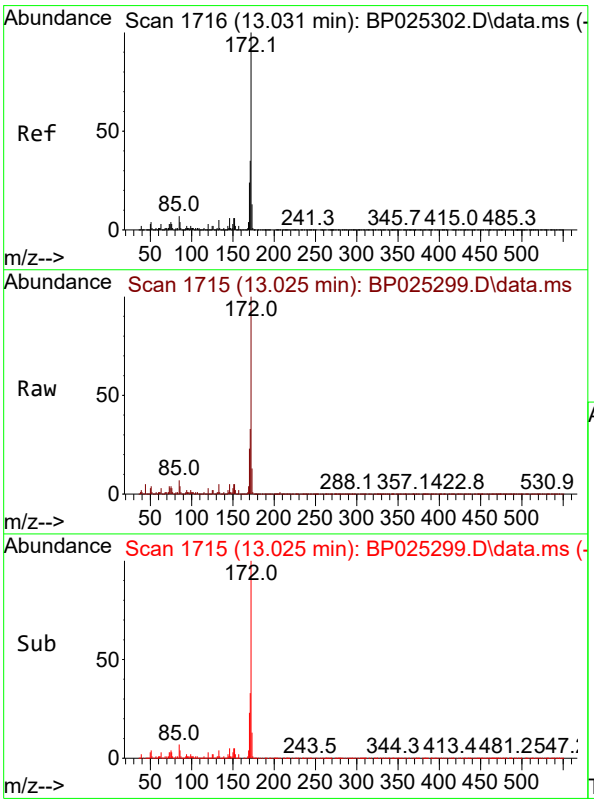
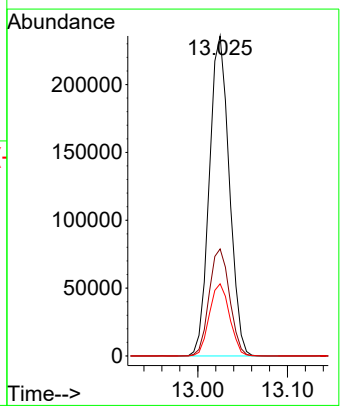
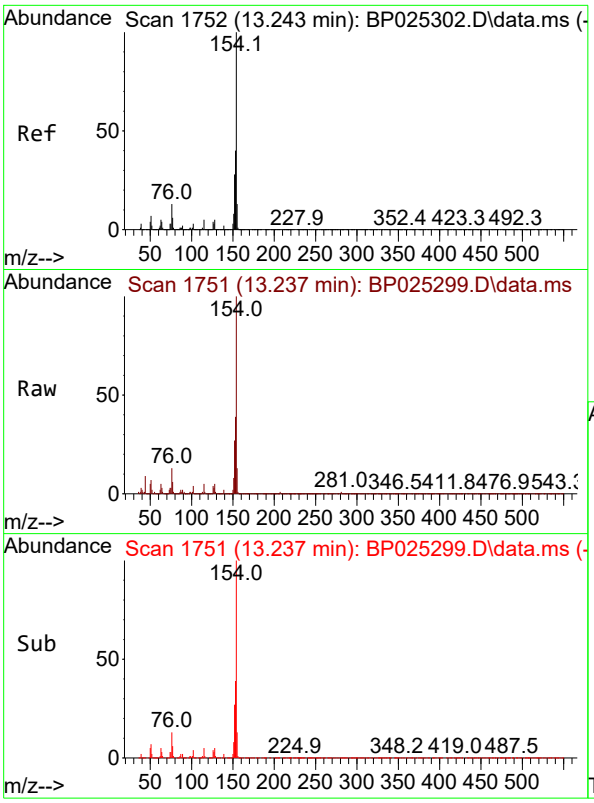


#45
2-Fluorobiphenyl
Concen: 10.769 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:172 Resp: 363946

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.9	41.9
170	22.5	18.9	28.3

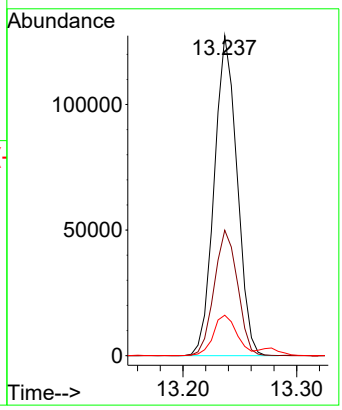




#46
1,1'-Biphenyl
Concen: 5.150 ng
RT: 13.237 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 17812

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.9	59.9
76	12.7	0.0	33.2



Instrument :
BNA_P
ClientSampleId :
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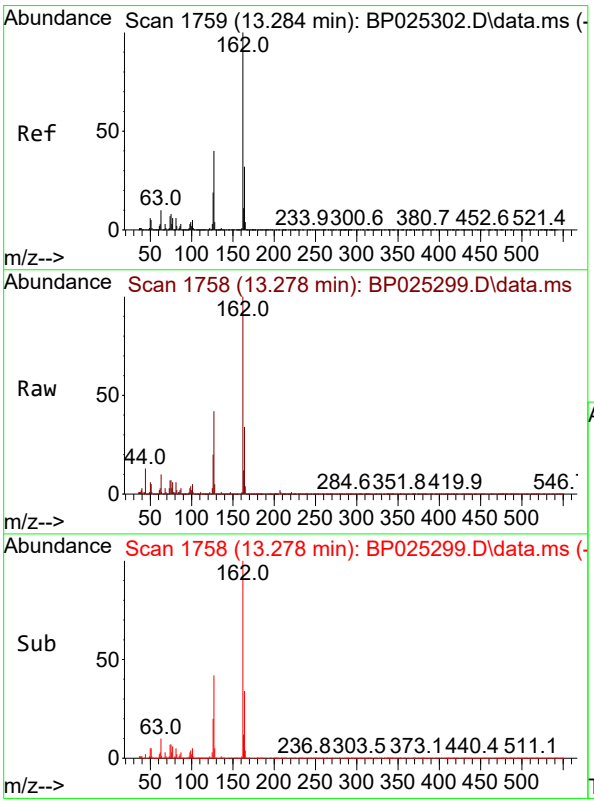
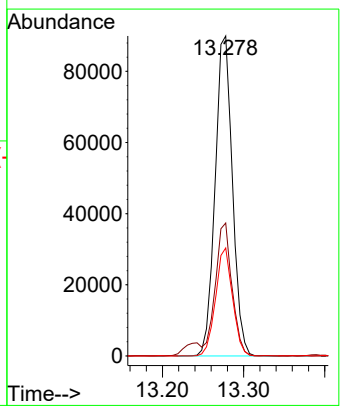
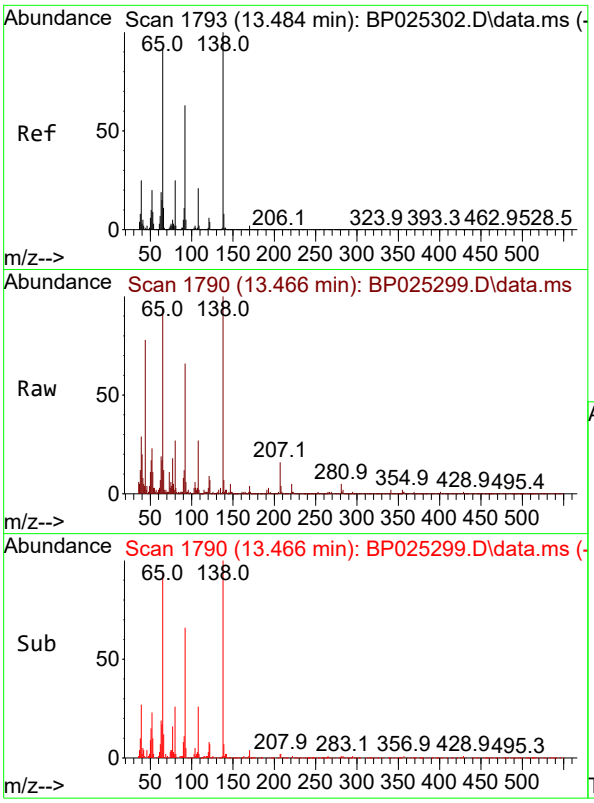


#47
2-Chloronaphthalene
Concen: 5.062 ng
RT: 13.278 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:162 Resp: 133568

Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.2	48.2
164	33.8	25.9	38.9

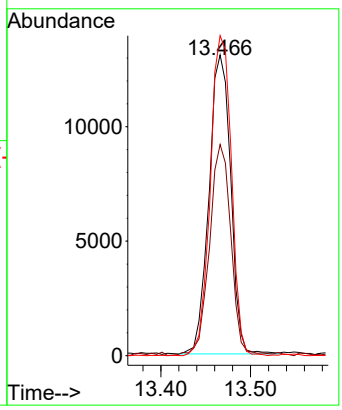




#48
2-Nitroaniline
Concen: 5.624 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 65 Resp: 2191

Ion	Ratio	Lower	Upper
65	100		
92	70.2	54.4	81.6
138	106.4	87.0	130.4



Instrument :
BNA_P
ClientSampleId :
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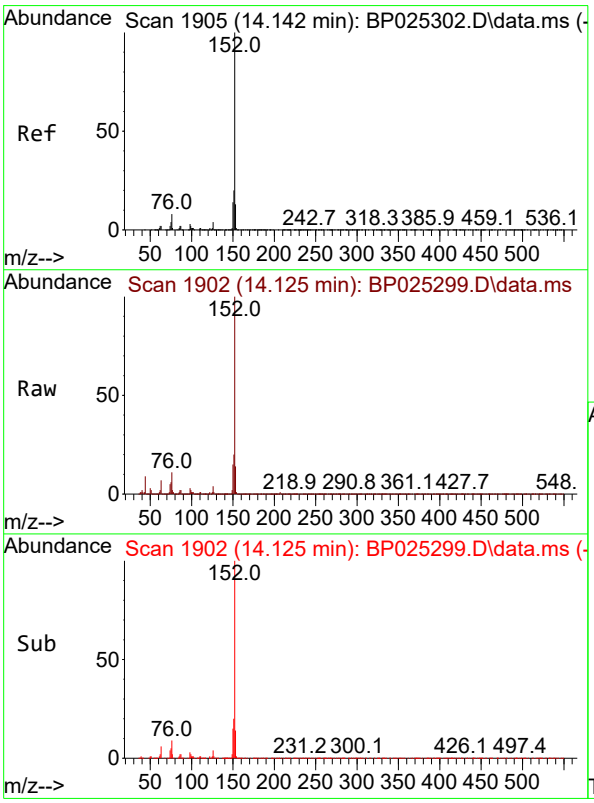
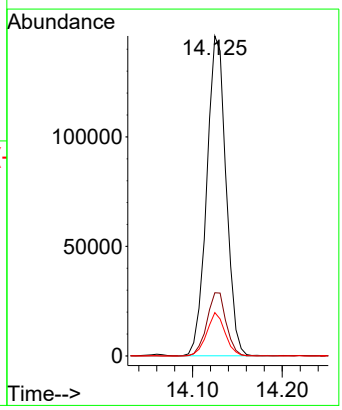
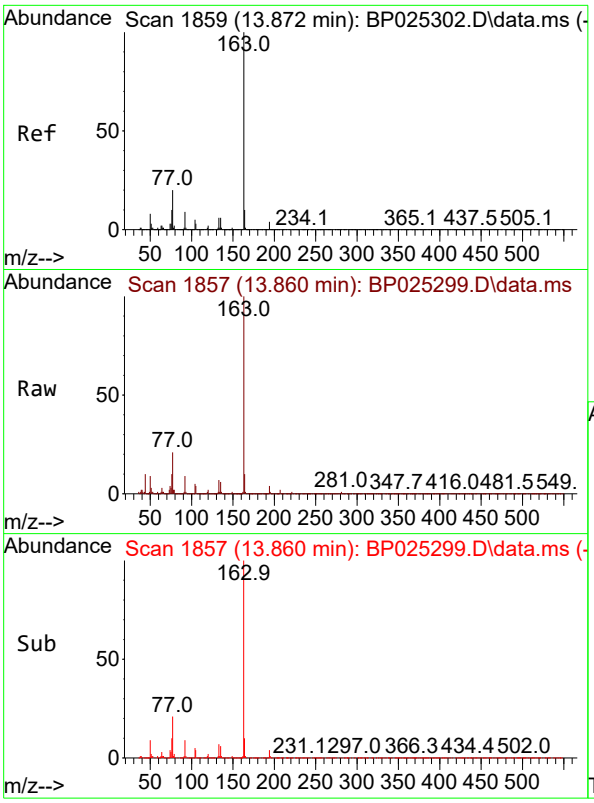


#49
Acenaphthylene
Concen: 4.955 ng
RT: 14.125 min Scan# 1902
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:152 Resp: 218072

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.6	10.4	15.6

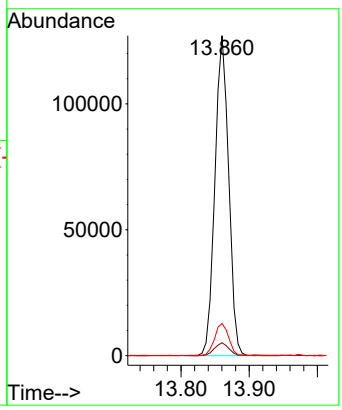




#50
Dimethylphthalate
Concen: 5.220 ng
RT: 13.860 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:163 Resp: 17857

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.0	12.0



Instrument :
BNA_P
ClientSampleId :
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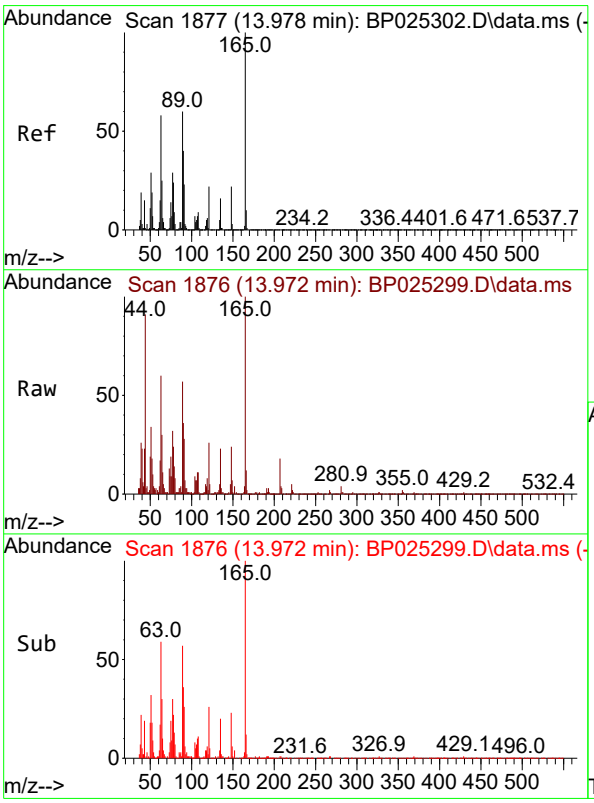
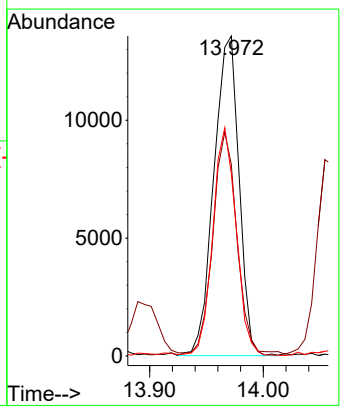
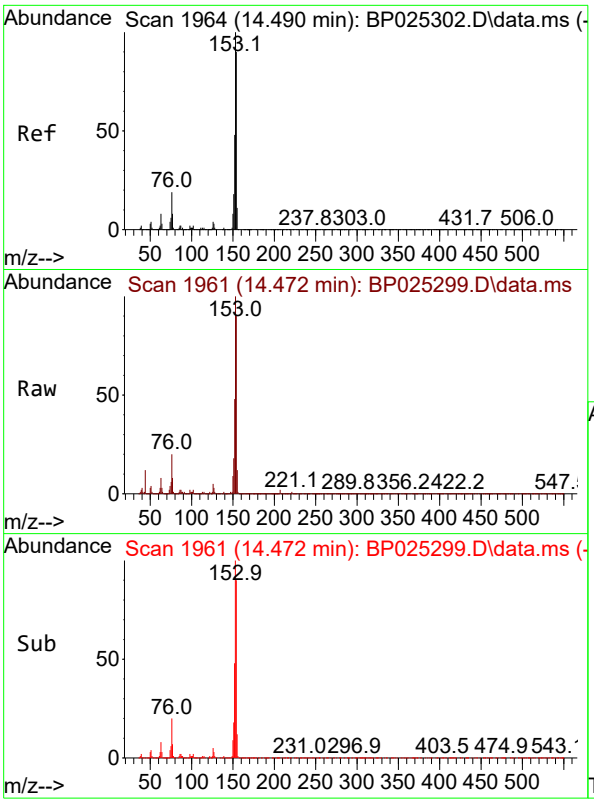


#51
2,6-Dinitrotoluene
Concen: 3.313 ng
RT: 13.972 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:165 Resp: 20906

Ion	Ratio	Lower	Upper
165	100		
63	59.9	47.6	71.4
89	56.9	47.8	71.8

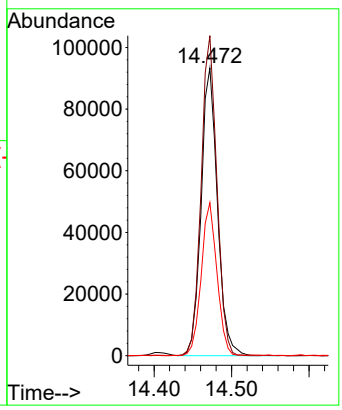




#52
Acenaphthene
Concen: 5.088 ng
RT: 14.472 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 13658

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.2	43.0	64.6



Instrument :
BNA_P
ClientSampleId :
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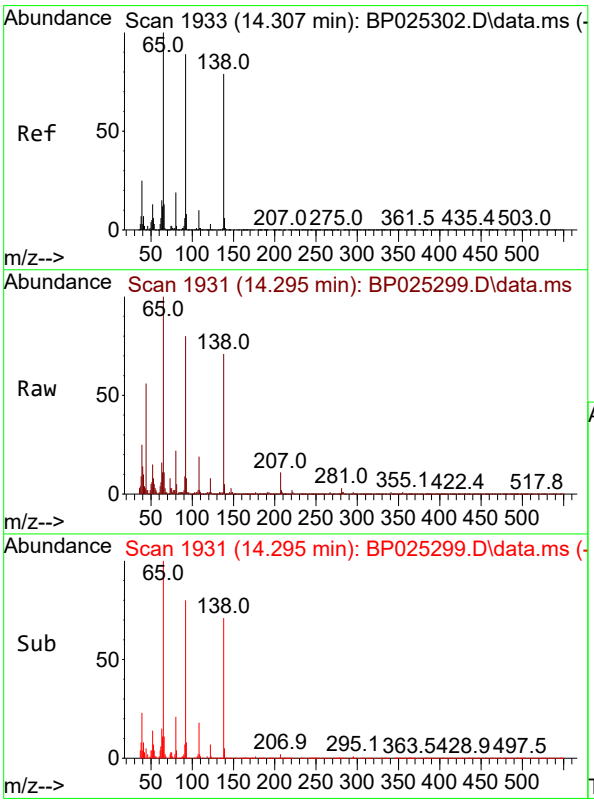
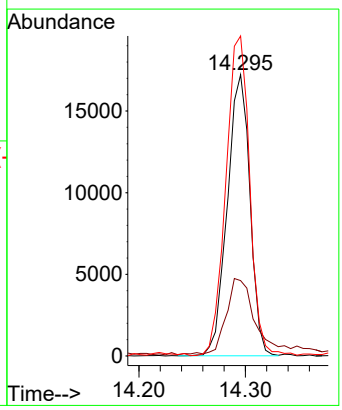
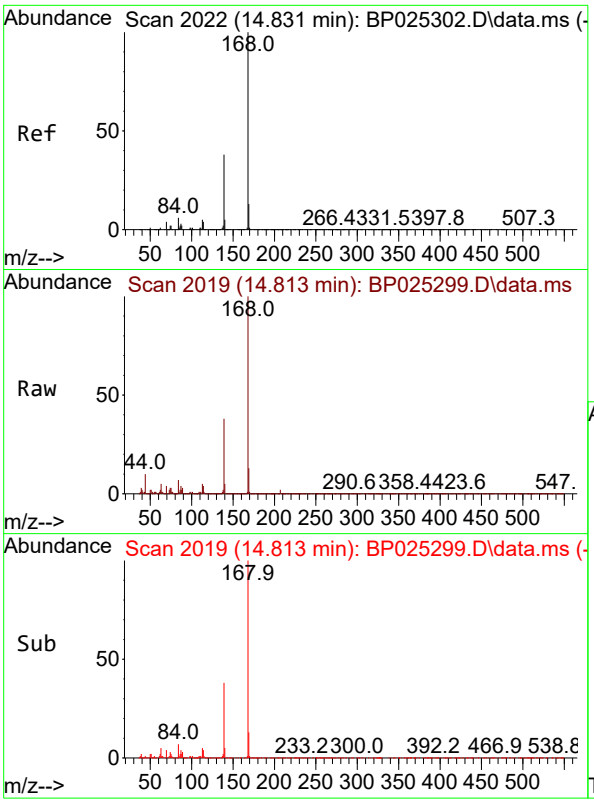


#53
3-Nitroaniline
Concen: 3.445 ng
RT: 14.295 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:138 Resp: 25435

Ion	Ratio	Lower	Upper
138	100		
108	26.8	10.5	15.7#
92	113.8	90.9	136.3

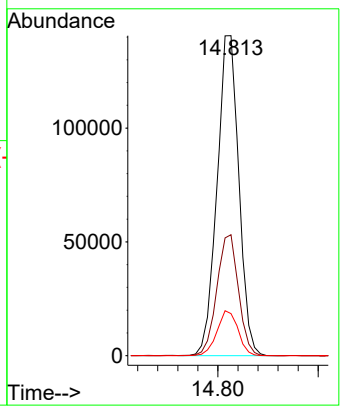




#55
Dibenzofuran
Concen: 5.277 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:168 Resp: 21170

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7
169	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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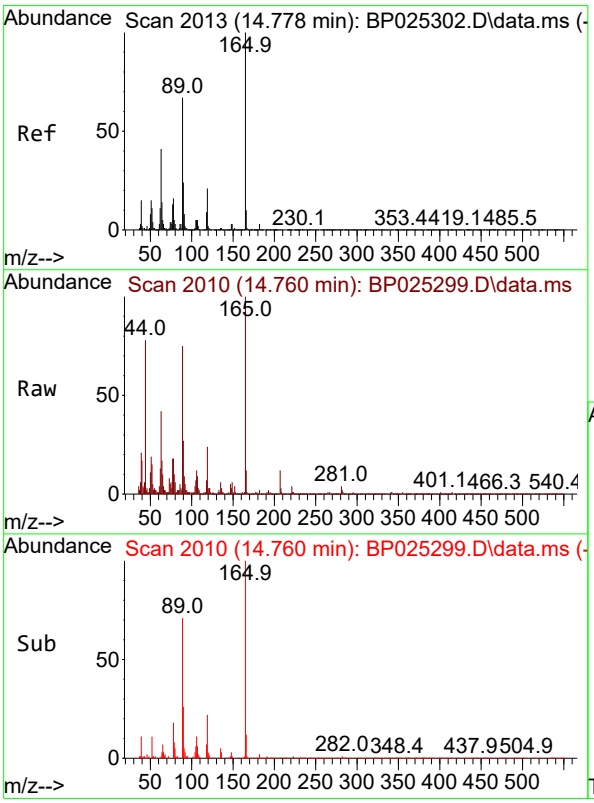
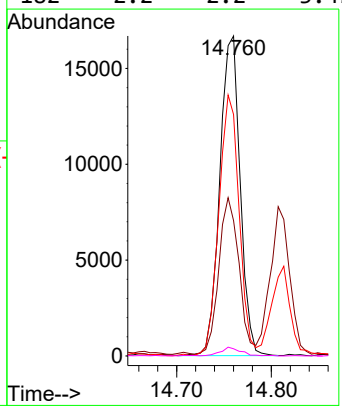
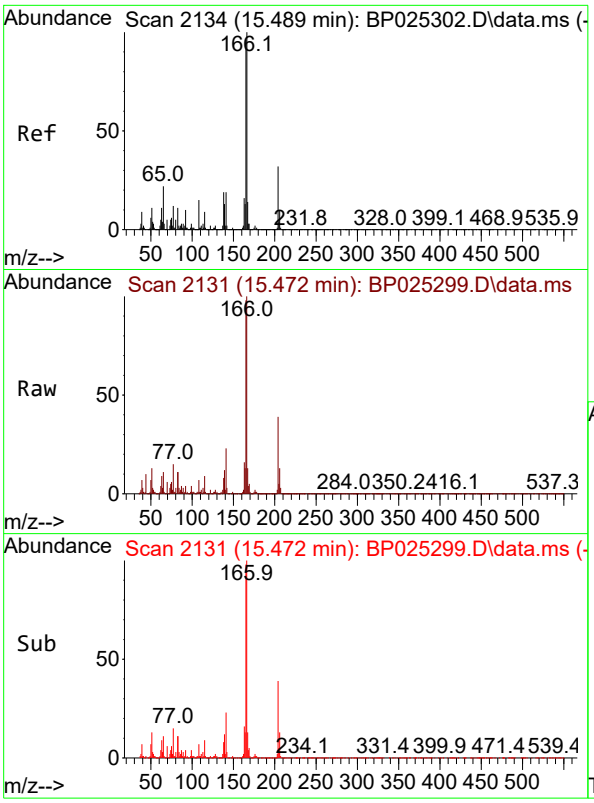


#57
2,4-Dinitrotoluene
Concen: 5.632 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:165 Resp: 24944

Ion	Ratio	Lower	Upper
165	100		
63	42.3	33.2	49.8
89	75.4	53.5	80.3
182	2.2	2.2	3.4#

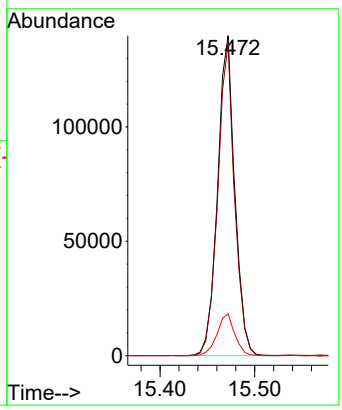




#58
Fluorene
Concen: 5.584 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:166 Resp: 17596

Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.7	115.1
167	13.1	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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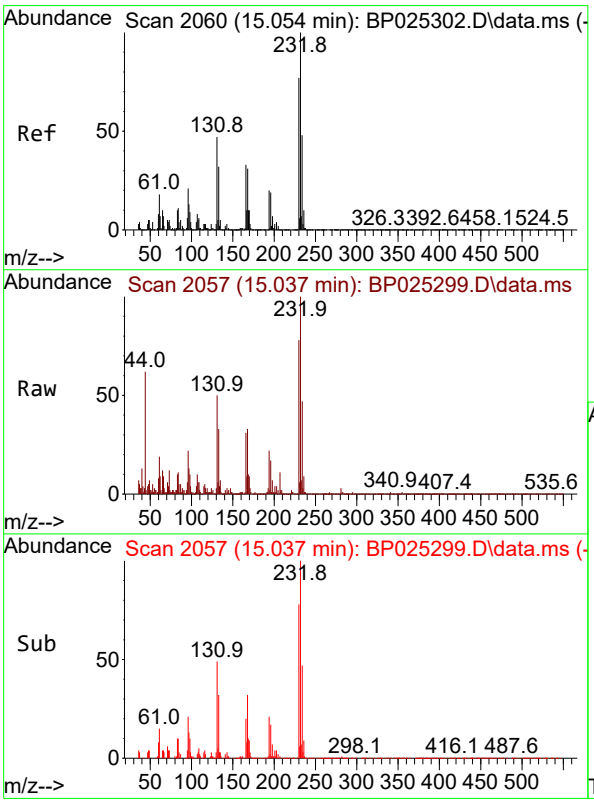
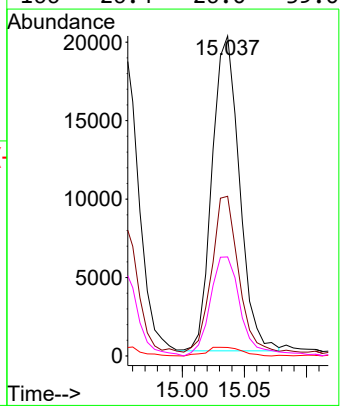
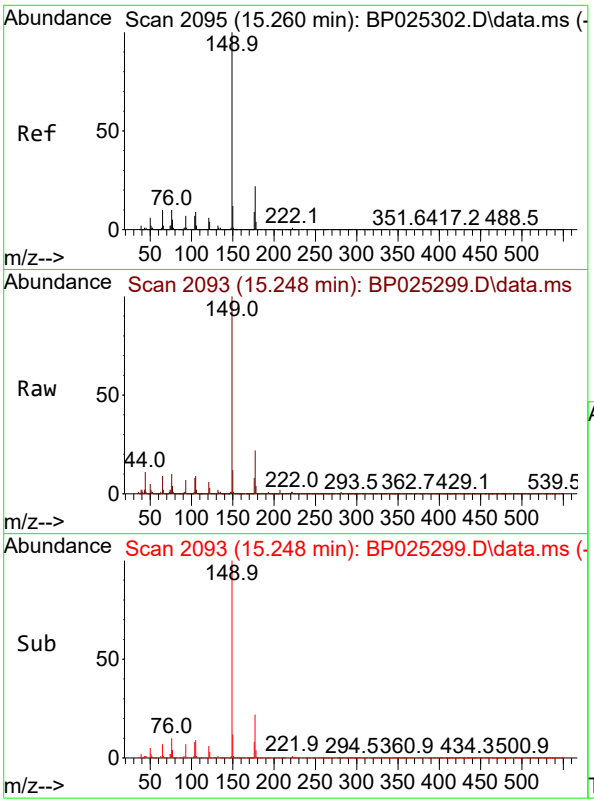


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.942 ng m
RT: 15.037 min Scan# 2057
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:232 Resp: 30755

Ion	Ratio	Lower	Upper
232	100		
131	43.7	39.3	58.9
130	2.8	2.2	3.2
166	26.4	26.0	39.0

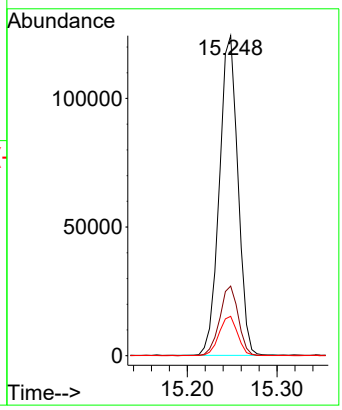




#60
Diethylphthalate
Concen: 5.165 ng
RT: 15.248 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 17815

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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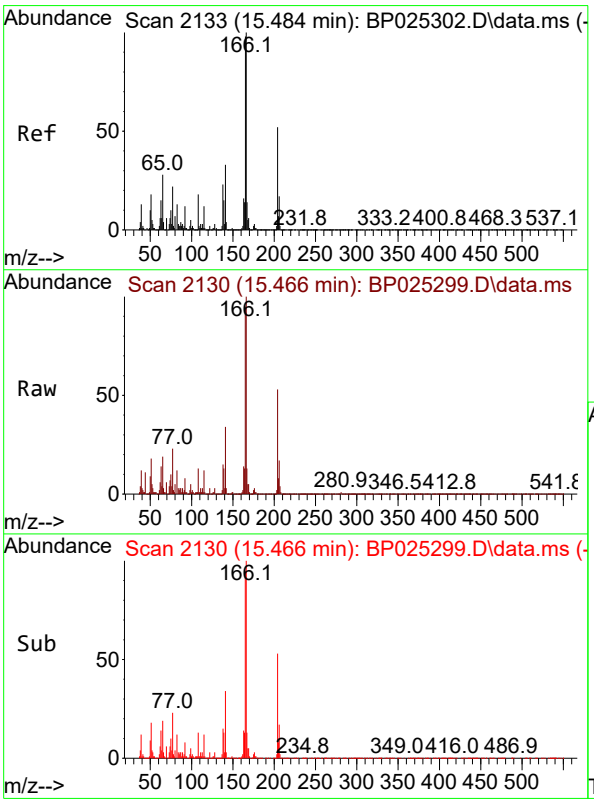
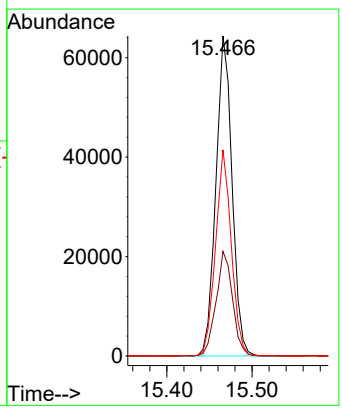
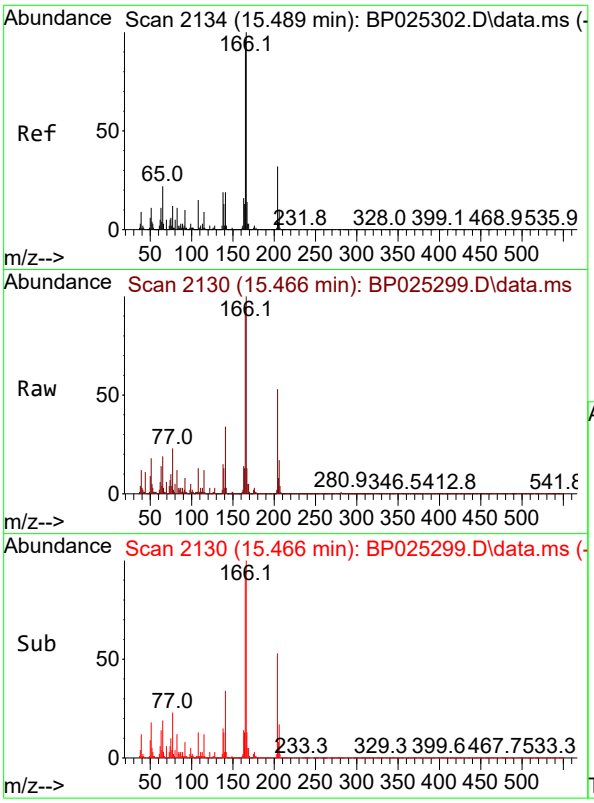


#61
4-Chlorophenyl-phenylether
Concen: 5.671 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:204 Resp: 84717

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	64.4	50.3	75.5

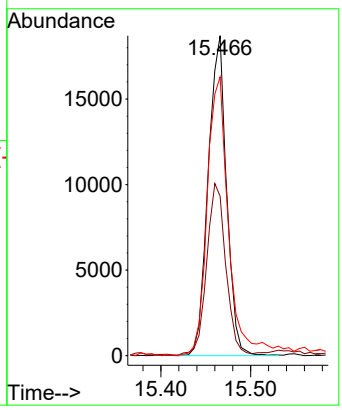




#62
4-Nitroaniline
Concen: 3.637 ng
RT: 15.466 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:138 Resp: 2661

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	87.1	56.6	96.6



Instrument :
BNA_P
ClientSampleId :
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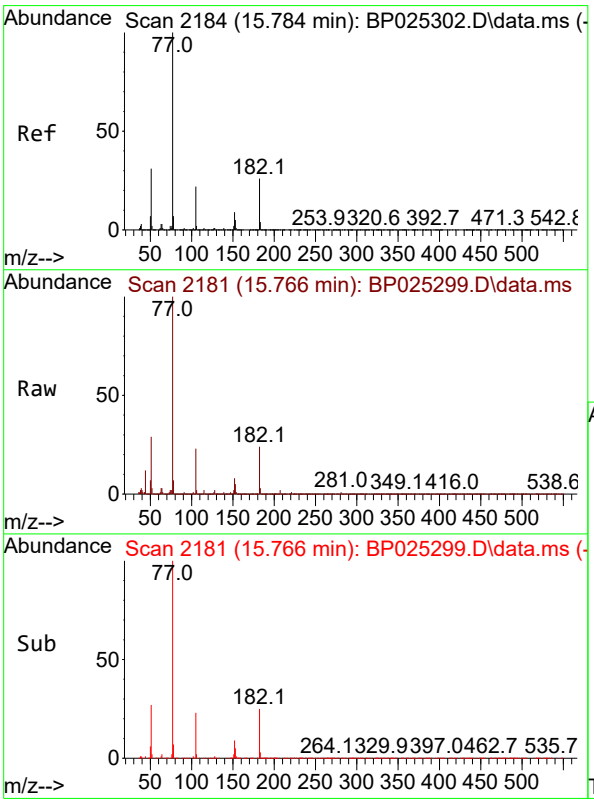
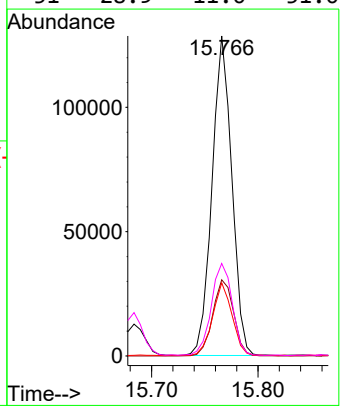
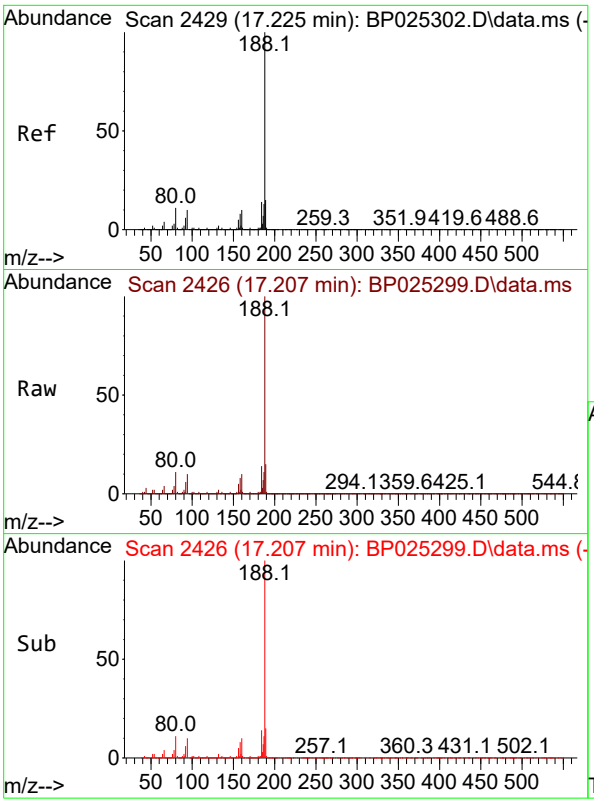


#63
Azobenzene
Concen: 5.170 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 77 Resp: 165659

Ion	Ratio	Lower	Upper
77	100		
182	23.8	6.0	46.0
105	22.9	2.1	42.1
51	28.9	11.0	51.0

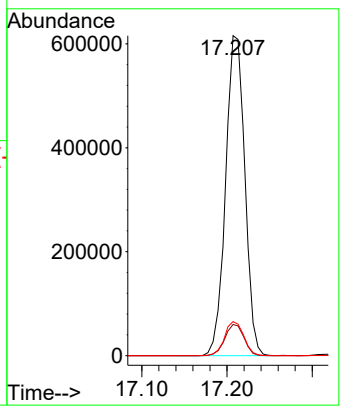




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:188 Resp: 96580

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.6	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
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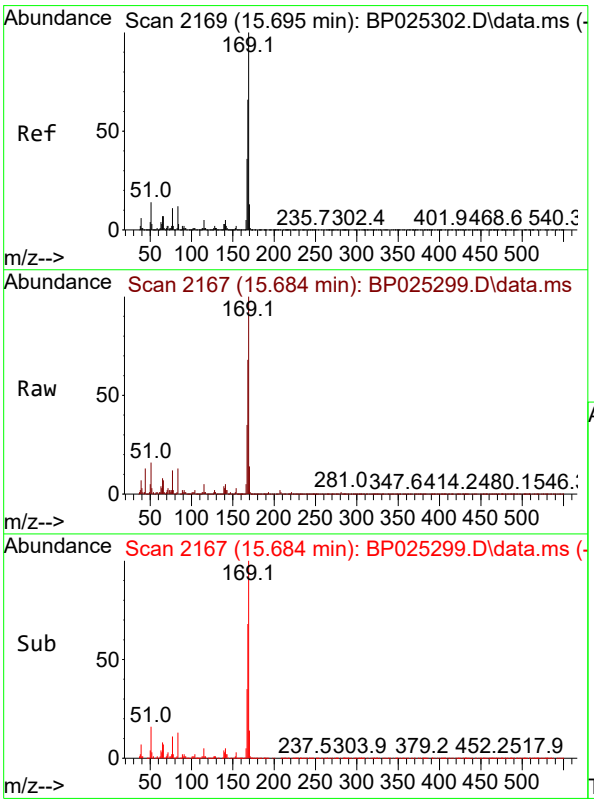
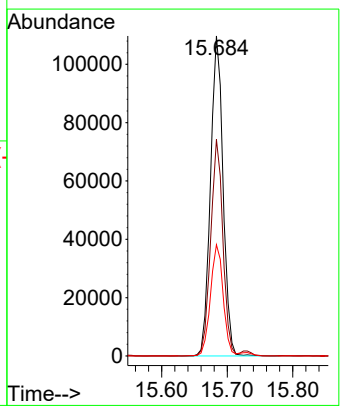
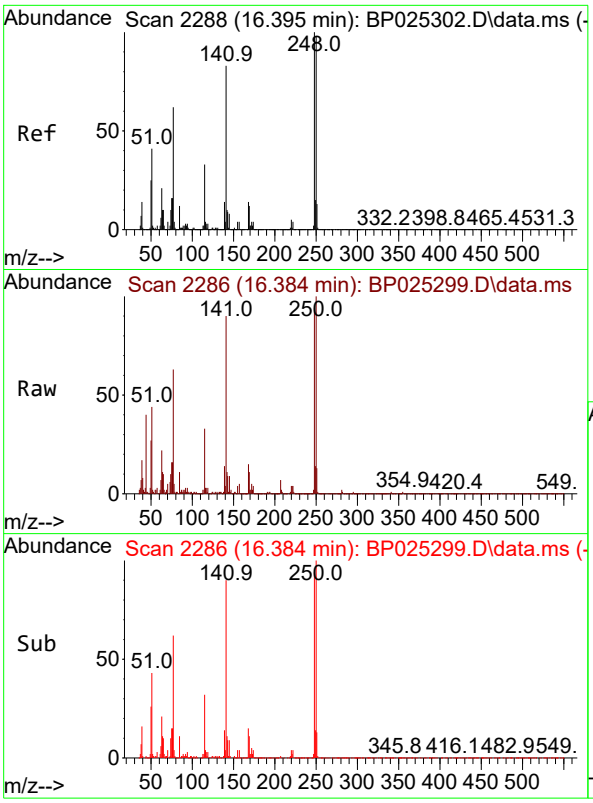


#66
n-Nitrosodiphenylamine
Concen: 4.973 ng
RT: 15.684 min Scan# 2167
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:169 Resp: 146252

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.8	79.2
167	34.7	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 4.978 ng
RT: 16.384 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 4837

Ion	Ratio	Lower	Upper
248	100		
250	106.6	78.6	117.8
141	96.2	66.6	99.8

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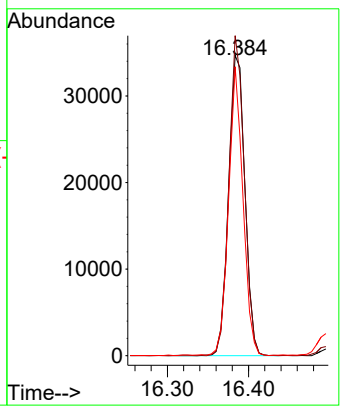
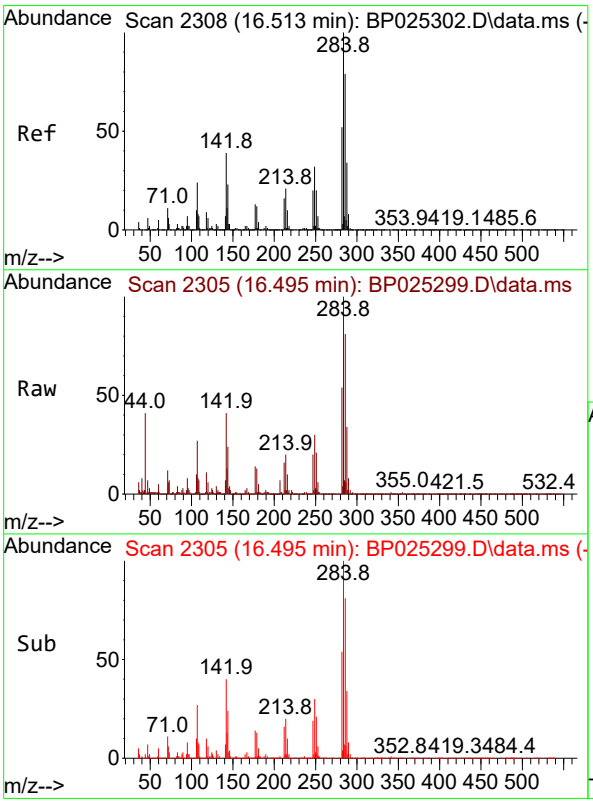
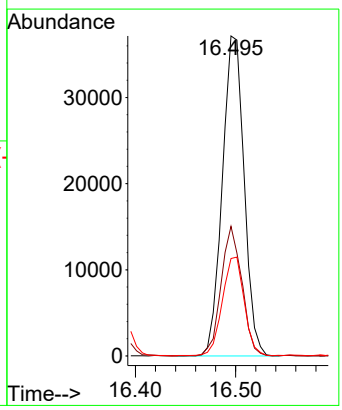


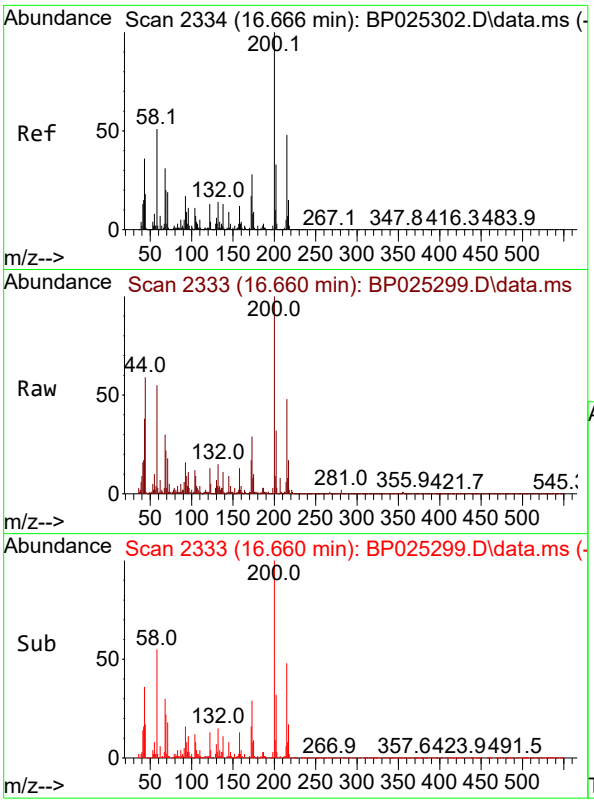


#68
Hexachlorobenzene
Concen: 5.143 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:284 Resp: 56081

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	30.5	25.4	38.0

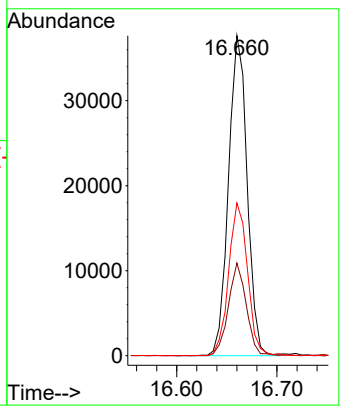




#69
Atrazine
Concen: 4.702 ng
RT: 16.660 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:200 Resp: 4862

Ion	Ratio	Lower	Upper
200	100		
173	28.9	8.2	48.2
215	47.7	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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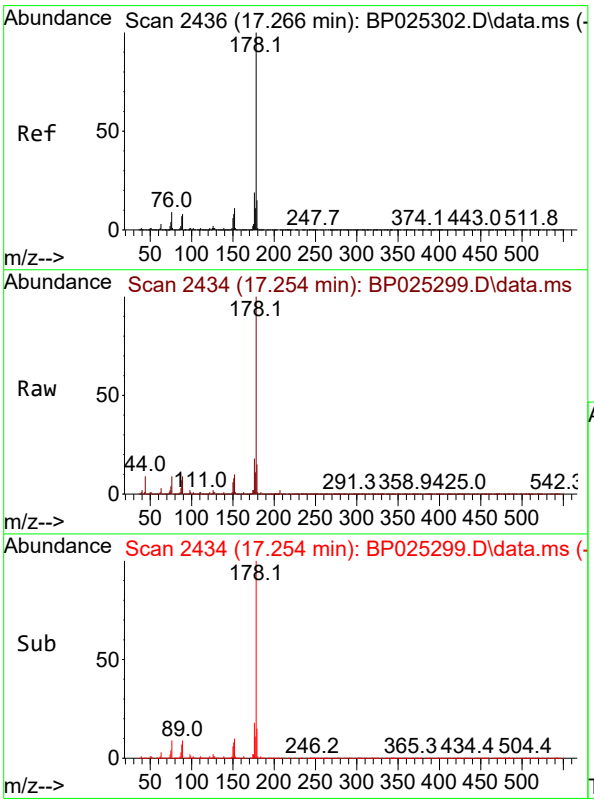
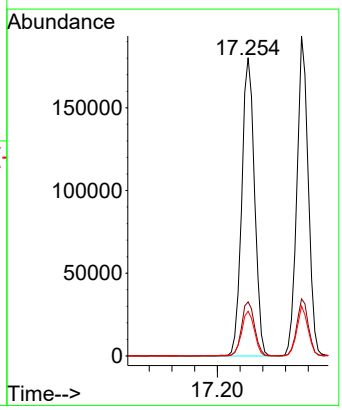
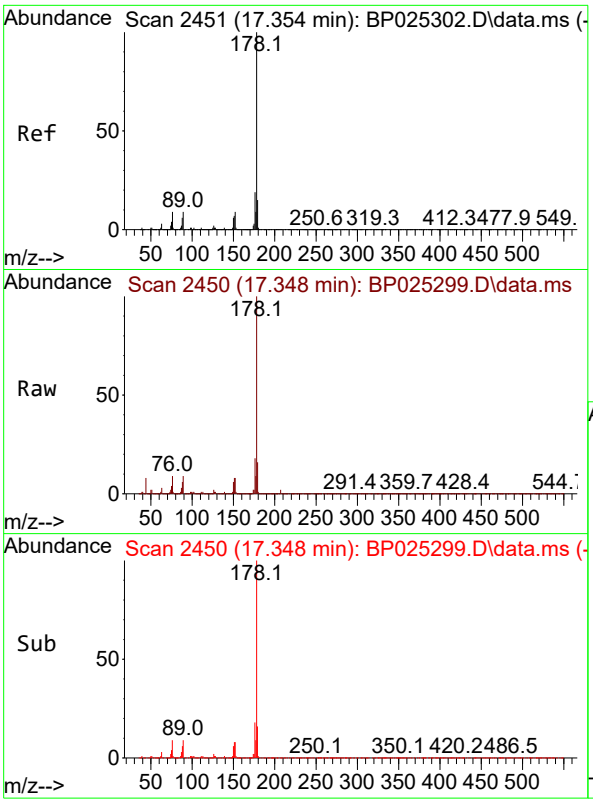


#71
Phenanthrene
Concen: 5.301 ng
RT: 17.254 min Scan# 2434
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:178 Resp: 280407

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.0	12.1	18.1

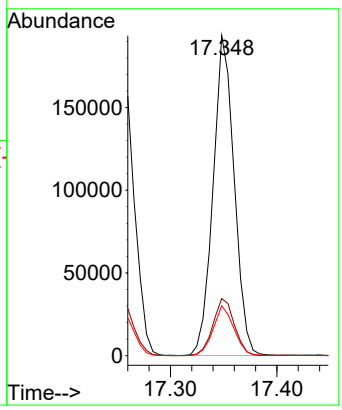




#72
Anthracene
Concen: 4.996 ng
RT: 17.348 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:178 Resp: 26647

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.8	22.2
179	15.6	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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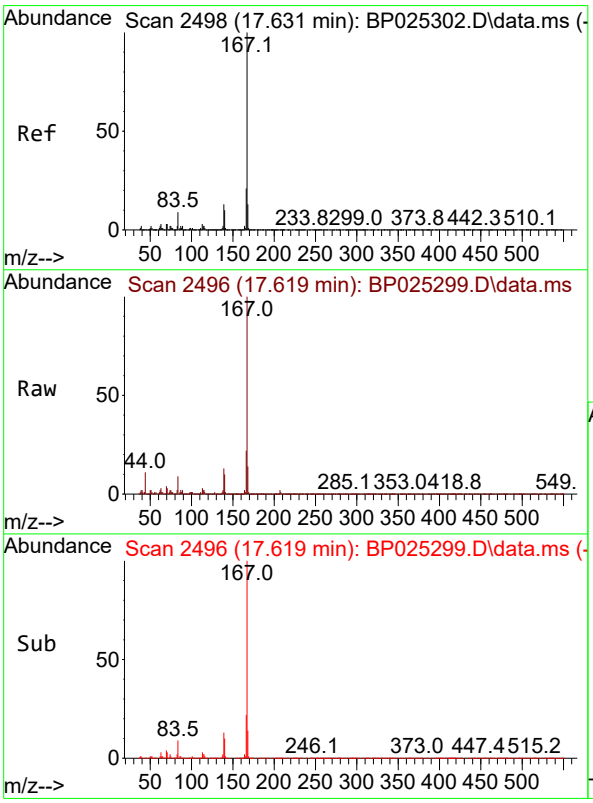
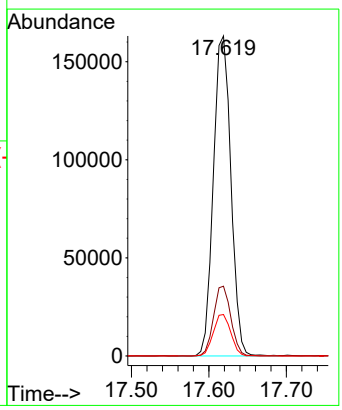
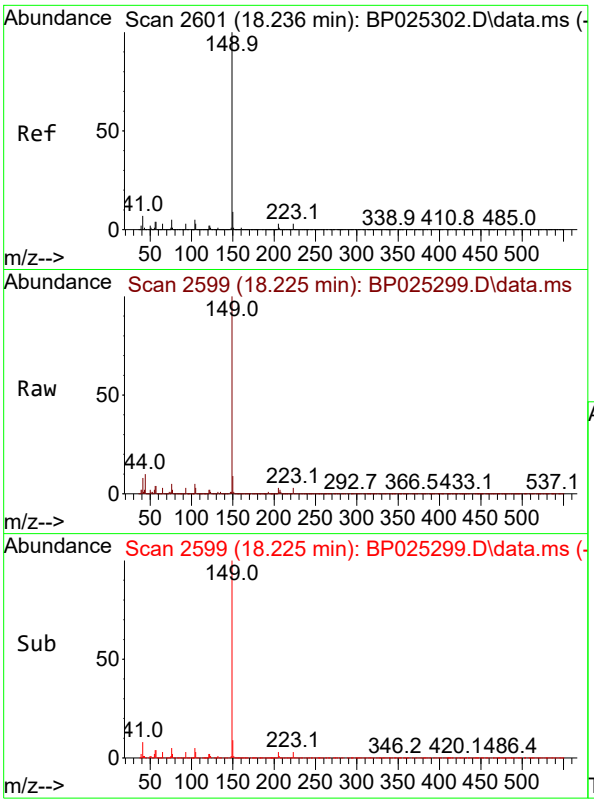


#73
Carbazole
Concen: 5.008 ng
RT: 17.619 min Scan# 2496
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:167 Resp: 256385

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.0	10.6	16.0

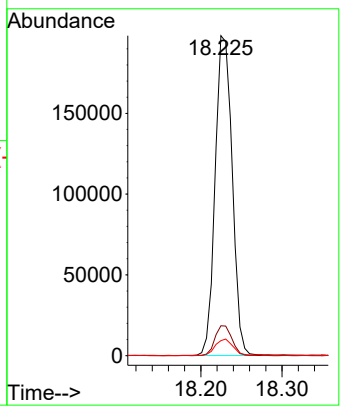




#74
Di-n-butylphthalate
Concen: 4.669 ng
RT: 18.225 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 28917

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	4.1	6.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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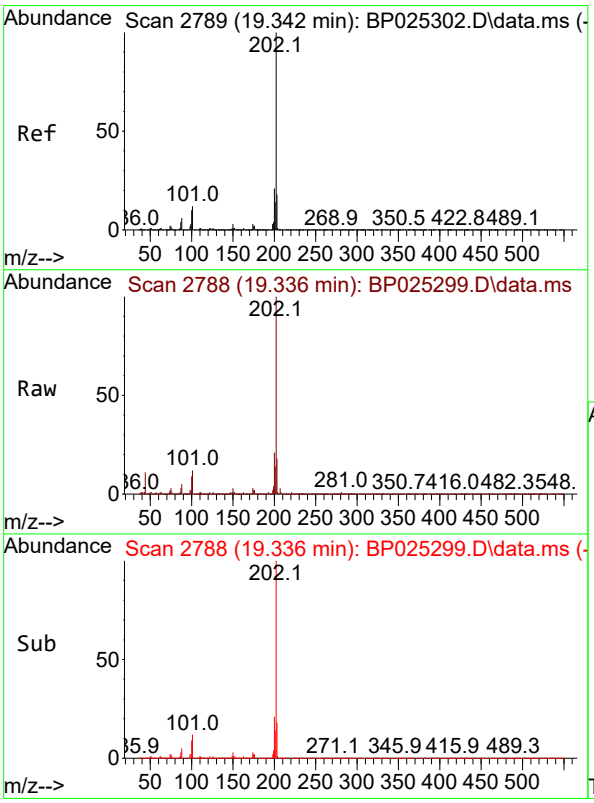
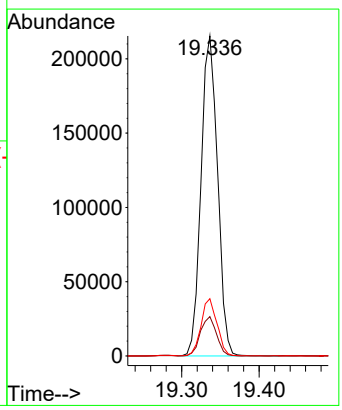
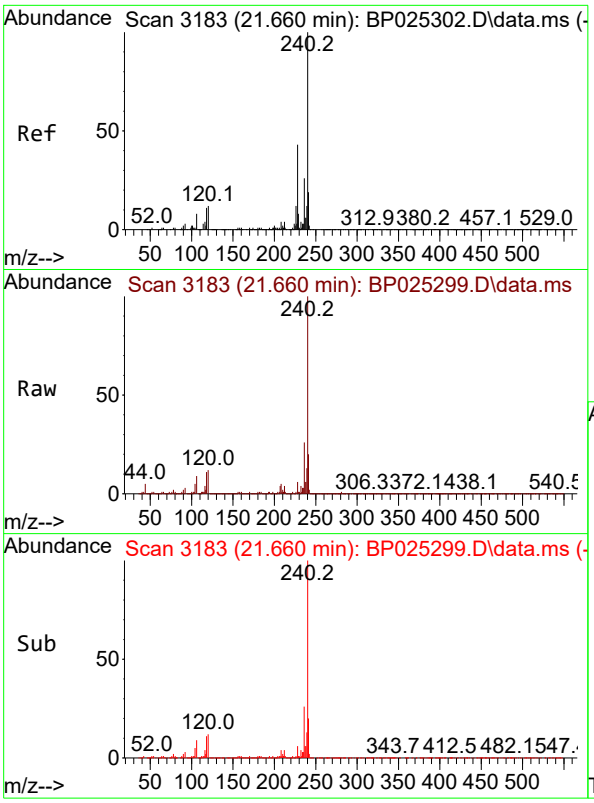


#75
Fluoranthene
Concen: 5.207 ng
RT: 19.336 min Scan# 2788
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:202 Resp: 318877

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.9	0.0	37.6

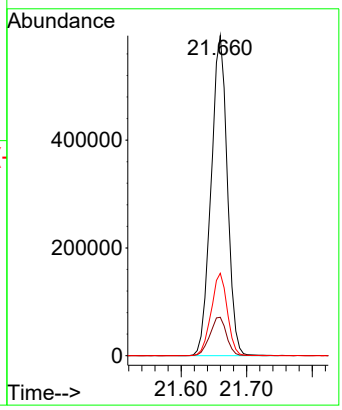




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:240 Resp: 101885

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.7	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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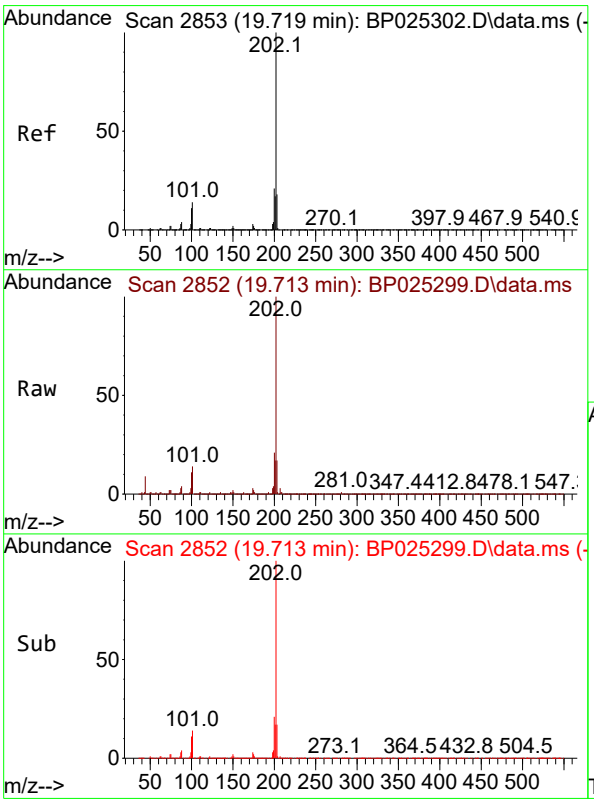
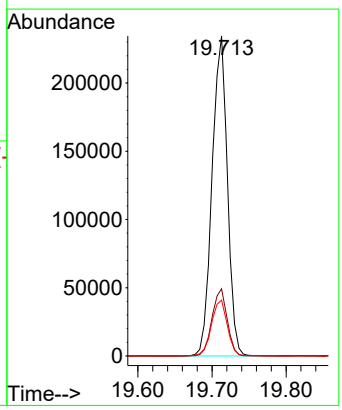
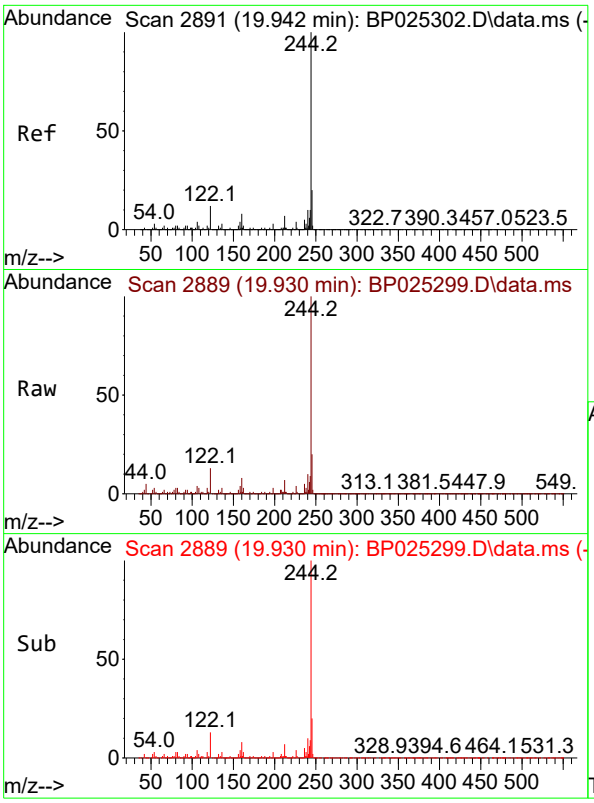


#78
Pyrene
Concen: 4.966 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:202 Resp: 336486

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

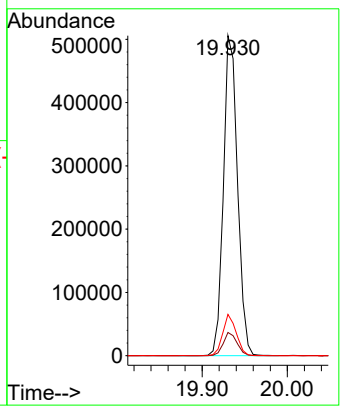




#79
Terphenyl-d14
Concen: 10.771 ng
RT: 19.930 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:244 Resp: 58091

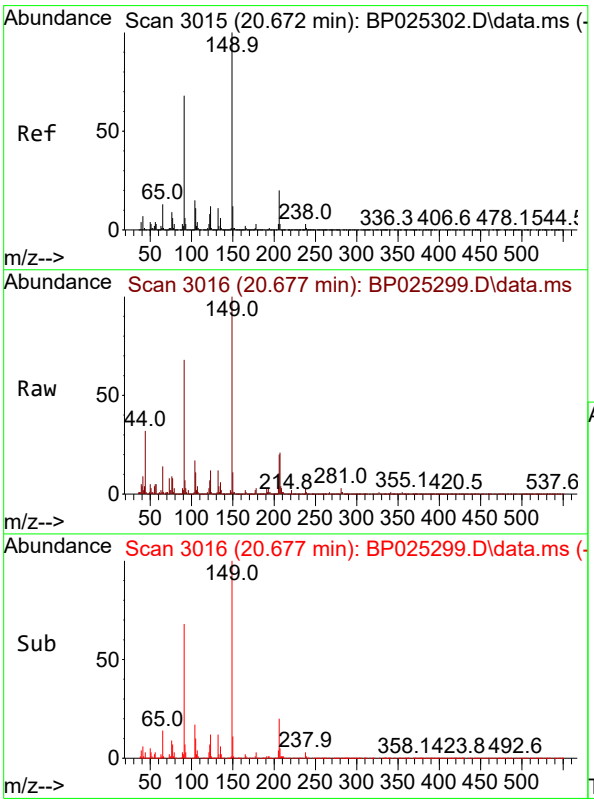
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

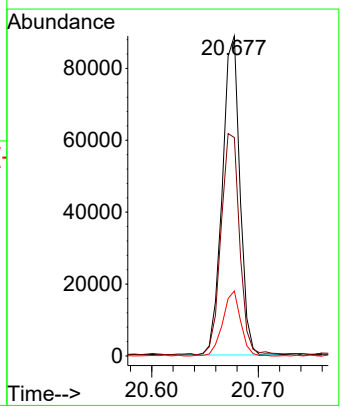
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

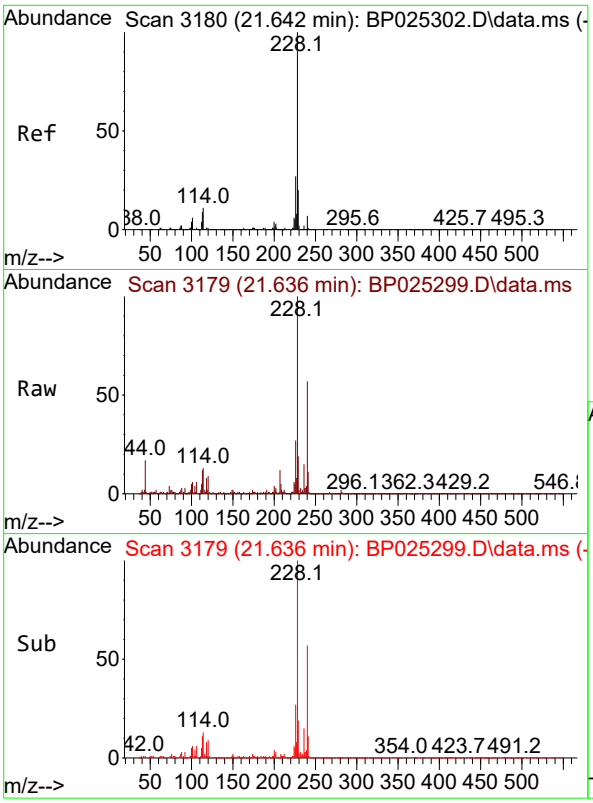


#80
Butylbenzylphthalate
Concen: 3.701 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 101682

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.7	82.1
206	20.3	16.4	24.6

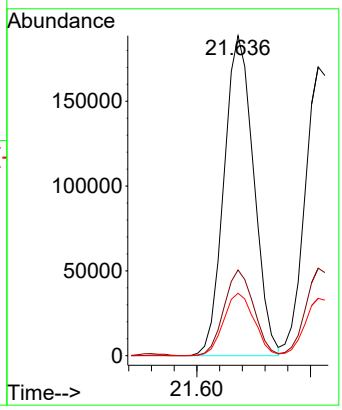




#81
Benzo(a)anthracene
Concen: 5.065 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:228 Resp: 34292

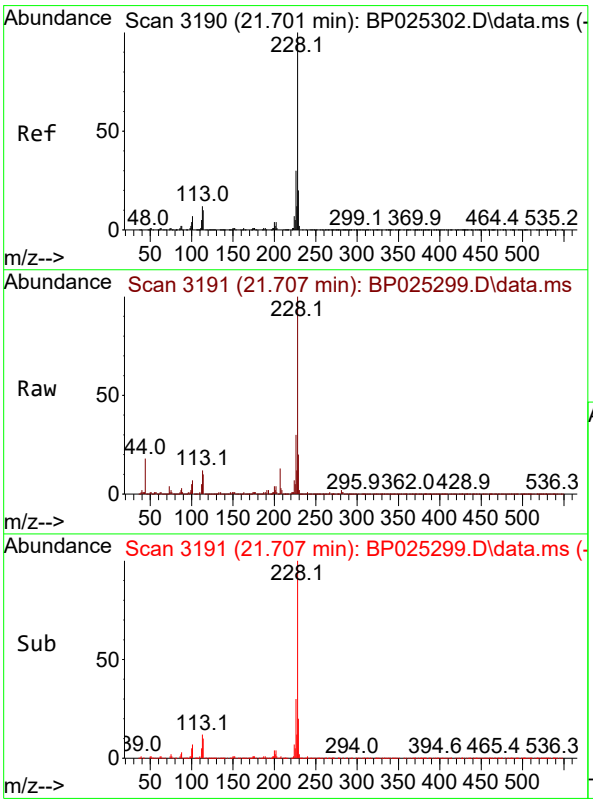
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.5	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

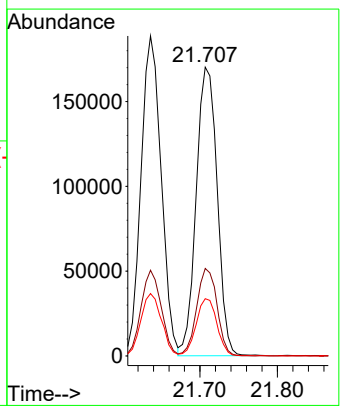
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

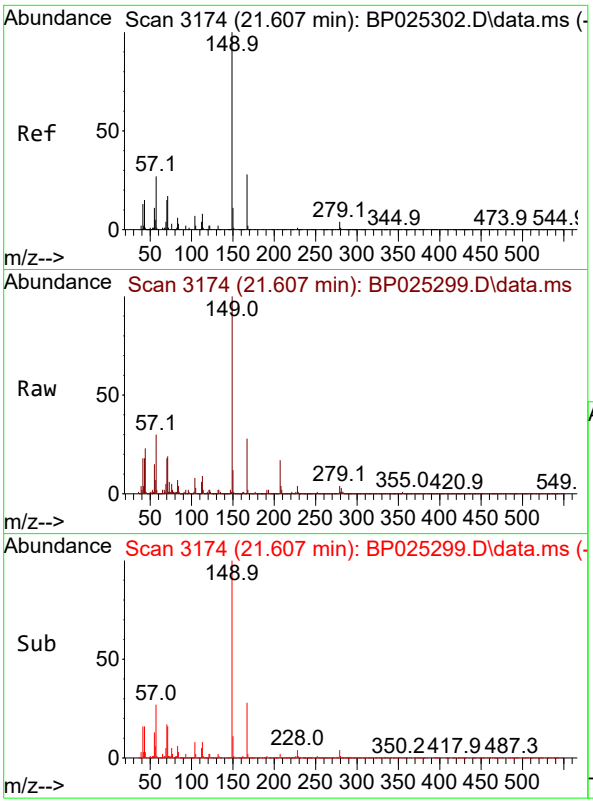


#83
Chrysene
Concen: 5.098 ng
RT: 21.707 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:228 Resp: 320171

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.8	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.269 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

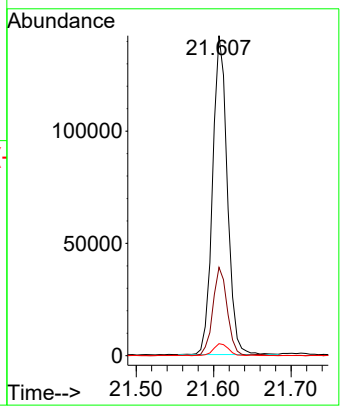
Tgt Ion:149 Resp: 18730

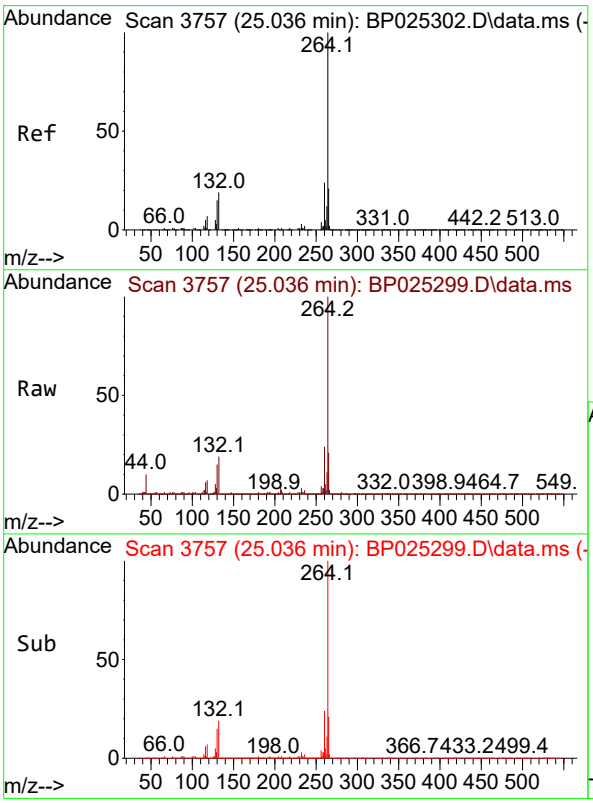
Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.8	3.4	5.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

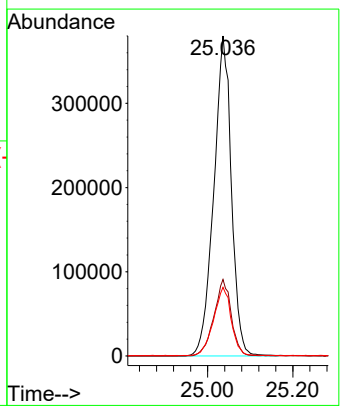


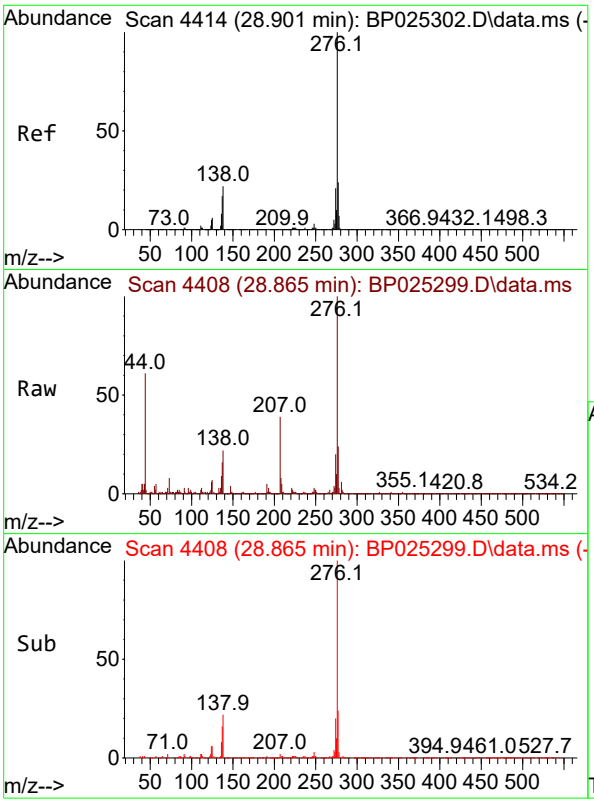


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:264 Resp: 1088697

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.1	25.7

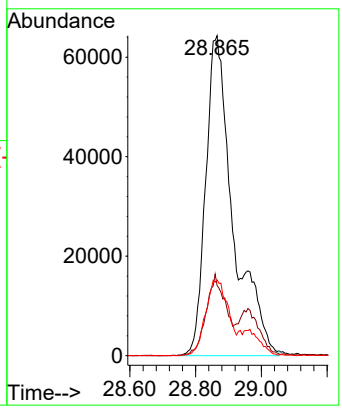




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.785 ng m
RT: 28.865 min Scan# 4
Delta R.T. -0.036 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:276 Resp: 37392

Ion	Ratio	Lower	Upper
276	100		
138	18.6	14.6	22.0
277	19.5	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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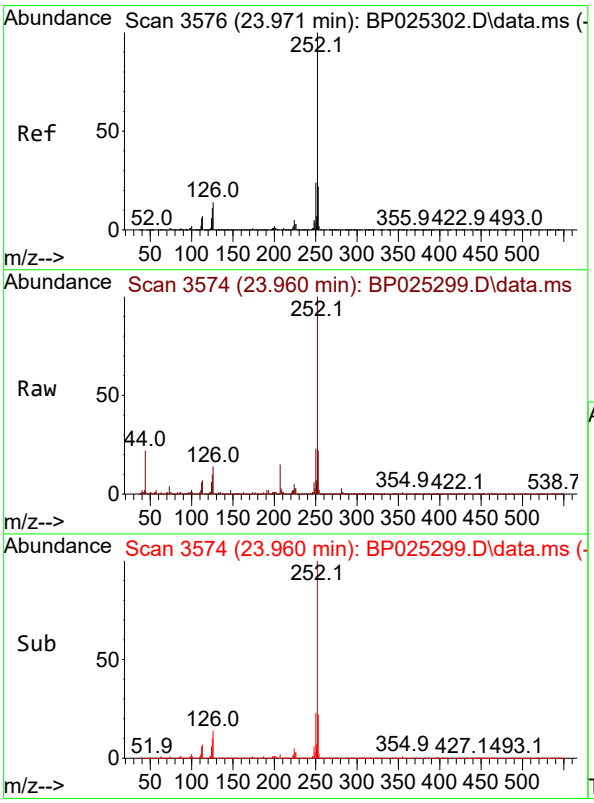
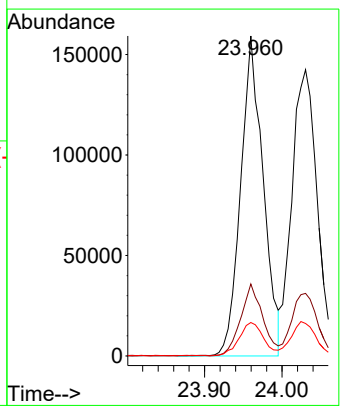
Supervised By :Jagrut Upadhyay 08/06/2025

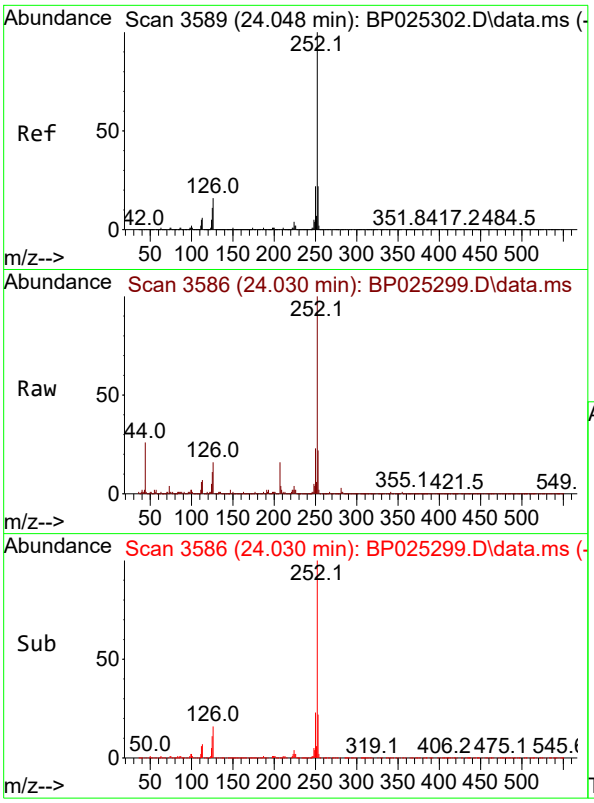


#88
Benzo(b)fluoranthene
Concen: 4.937 ng
RT: 23.960 min Scan# 3574
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 321726

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.5	12.7

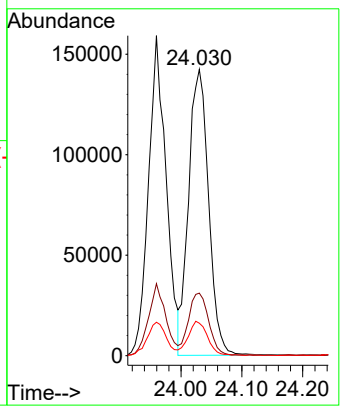




#89
Benzo(k)fluoranthene
Concen: 5.016 ng
RT: 24.030 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 32409

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.3	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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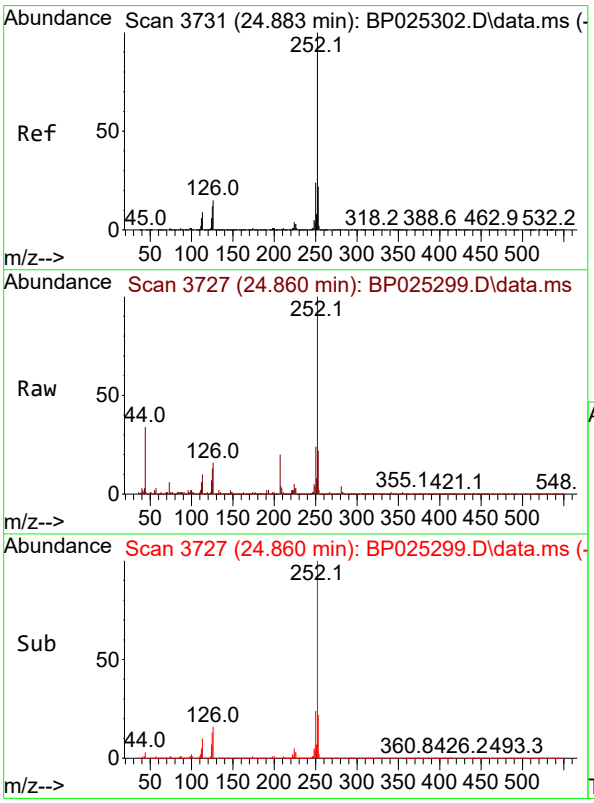
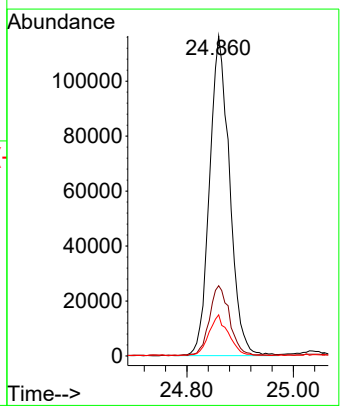
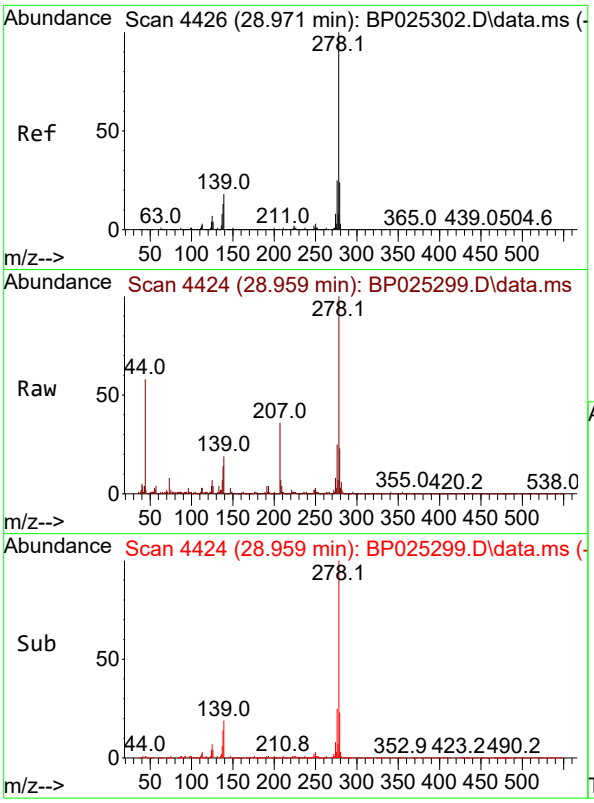


#90
Benzo(a)pyrene
Concen: 4.840 ng
RT: 24.860 min Scan# 3727
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 303778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.8	9.4	14.0

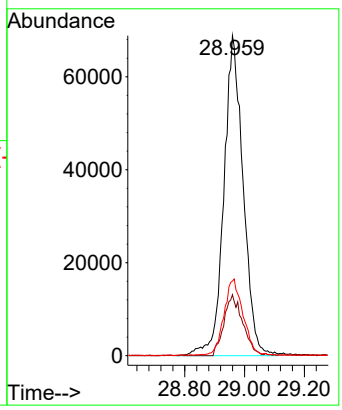




#91
Dibenzo(a,h)anthracene
Concen: 4.833 ng
RT: 28.959 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:278 Resp: 30884

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.6	22.0
279	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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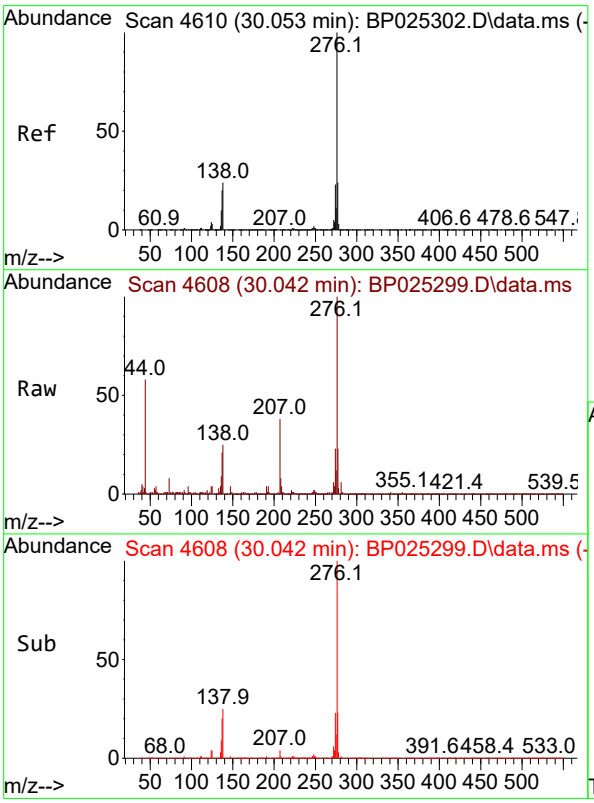
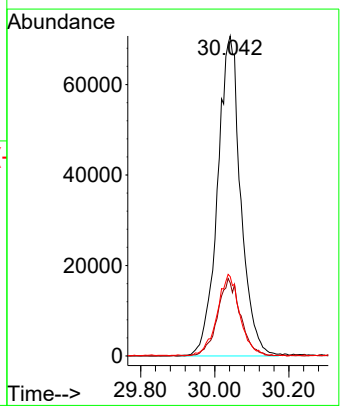
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 4.886 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:276 Resp: 306565

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.3	28.9
138	24.8	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	199588	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	845252	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	537224	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	1073622	20.000	ng		-0.01
76) Chrysene-d12	21.654	240	1112736	20.000	ng		0.00
86) Perylene-d12	25.024	264	1171338	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	243459	19.492	ng		0.00
7) Phenol-d6	6.961	99	315945	19.176	ng		0.00
23) Nitrobenzene-d5	8.937	82	282618	18.091	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	97752	17.623	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	780489	20.174	ng		0.00
79) Terphenyl-d14	19.942	244	1204621	20.452	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	50082	10.227	ng		97
3) Pyridine	3.725	79	134101	9.856	ng		95
4) n-Nitrosodimethylamine	3.643	42	60618	9.597	ng	#	95
6) Aniline	7.131	93	209460	9.343	ng		98
8) 2-Chlorophenol	7.372	128	126166	9.288	ng		97
9) Benzaldehyde	6.949	77	112991	9.741	ng		99
10) Phenol	6.984	94	167307	9.575	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	130843	9.556	ng		100
12) 1,3-Dichlorobenzene	7.696	146	151188	9.906	ng		98
13) 1,4-Dichlorobenzene	7.837	146	150627	9.755	ng		100
14) 1,2-Dichlorobenzene	8.155	146	144777	9.679	ng		98
15) Benzyl Alcohol	8.025	79	112727	8.905	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.325	45	208708	9.650	ng		98
17) 2-Methylphenol	8.225	107	108323	9.264	ng		99
18) Hexachloroethane	8.878	117	53085	9.613	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	102413	9.544	ng		99
20) 3+4-Methylphenols	8.543	107	144425	8.970	ng		100
22) Acetophenone	8.608	105	210356	9.914	ng	#	98
24) Nitrobenzene	8.978	77	132011	9.140	ng		99
25) Isophorone	9.502	82	288268	9.492	ng		98
26) 2-Nitrophenol	9.684	139	35903	8.913	ng		98
27) 2,4-Dimethylphenol	9.743	122	135004	9.642	ng		99
28) bis(2-Chloroethoxy)met...	9.978	93	175188	9.483	ng		97
29) 2,4-Dichlorophenol	10.213	162	109548	8.937	ng		98
30) 1,2,4-Trichlorobenzene	10.437	180	132056	9.765	ng		96
31) Naphthalene	10.625	128	428389	9.763	ng		100
32) Benzoic acid	9.796	122	29602	10.101	ng		97
33) 4-Chloroaniline	10.719	127	183806	9.419	ng		100
34) Hexachlorobutadiene	10.919	225	75081	9.671	ng		97
35) Caprolactam	11.449	113	40323	8.461	ng		97
36) 4-Chloro-3-methylphenol	11.831	107	127937	9.020	ng		98
37) 2-Methylnaphthalene	12.225	142	276185	9.724	ng		98
38) 1-Methylnaphthalene	12.449	142	288814	9.746	ng		98
40) 1,2,4,5-Tetrachloroben...	12.596	216	142243	9.698	ng		99
41) Hexachlorocyclopentadiene	12.584	237	78172	8.636	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	80839	8.532	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

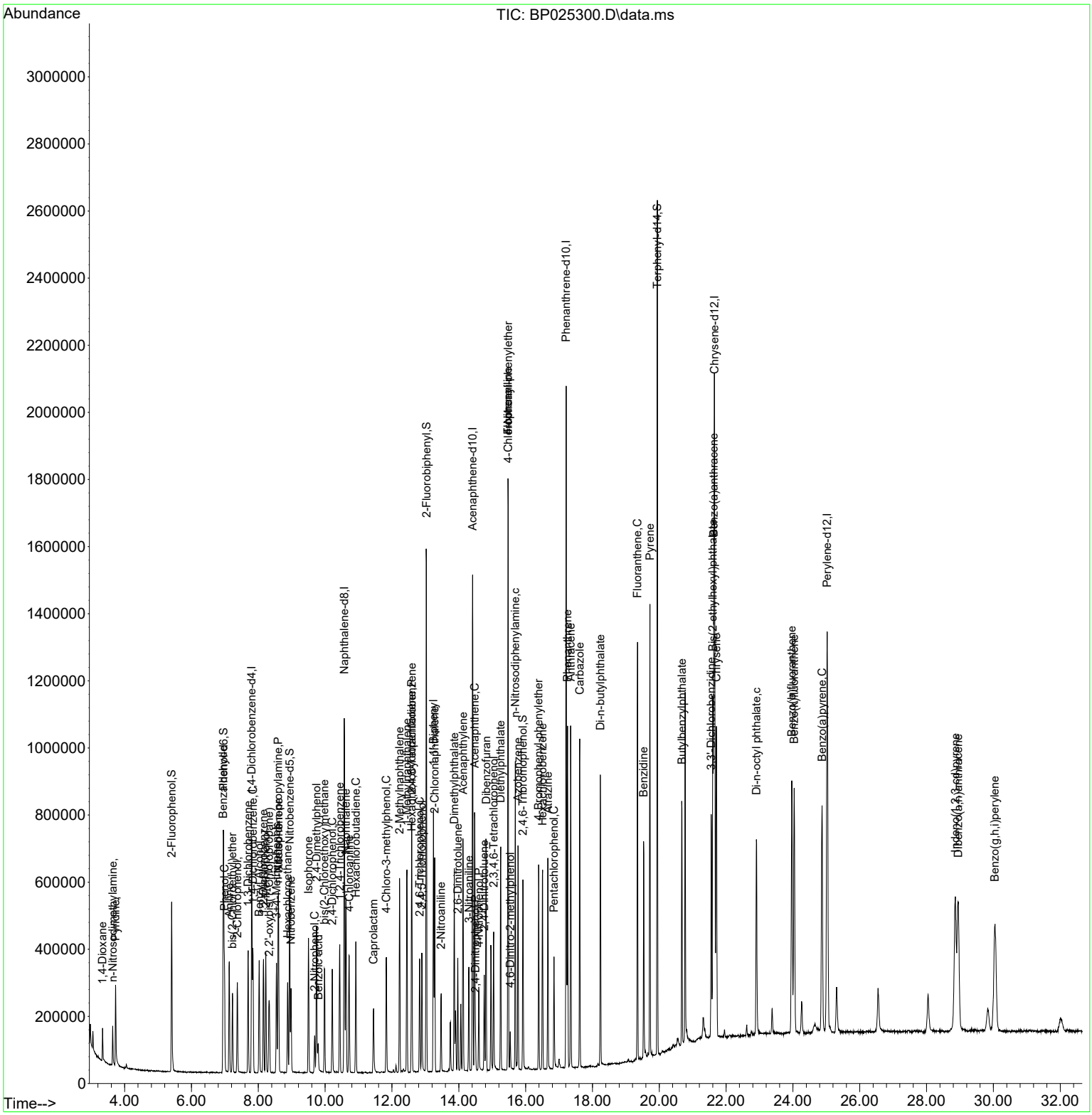
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	91922	8.648	ng		99
46) 1,1'-Biphenyl	13.243	154	392401	9.911	ng		99
47) 2-Chloronaphthalene	13.278	162	295035	9.768	ng		99
48) 2-Nitroaniline	13.472	65	56938	9.002	ng		98
49) Acenaphthylene	14.125	152	494624	9.817	ng		100
50) Dimethylphthalate	13.866	163	376892	9.624	ng		99
51) 2,6-Dinitrotoluene	13.972	165	58404	8.085	ng		98
52) Acenaphthene	14.472	154	300858	9.790	ng		99
53) 3-Nitroaniline	14.301	138	68662	8.123	ng	#	94
54) 2,4-Dinitrophenol	14.501	184	15825	9.839	ng	#	76
55) Dibenzofuran	14.819	168	459701	10.010	ng		98
56) 4-Nitrophenol	14.601	139	53432	7.162	ng		96
57) 2,4-Dinitrotoluene	14.760	165	69027	9.001	ng		87
58) Fluorene	15.472	166	375406	10.408	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.043	232	76798	8.599	ng		99
60) Diethylphthalate	15.254	149	380275	9.631	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	171438	10.026	ng		99
62) 4-Nitroaniline	15.472	138	70585	8.428	ng		93
63) Azobenzene	15.772	77	359853	9.811	ng		98
65) 4,6-Dinitro-2-methylph...	15.543	198	22067	10.172	ng		95
66) n-Nitrosodiphenylamine	15.690	169	322596	9.868	ng		99
67) 4-Bromophenyl-phenylether	16.390	248	104373	9.662	ng		98
68) Hexachlorobenzene	16.507	284	119372	9.848	ng		97
69) Atrazine	16.666	200	106765	9.287	ng		99
70) Pentachlorophenol	16.848	266	55907	7.240	ng		95
71) Phenanthrene	17.254	178	590839	10.048	ng		99
72) Anthracene	17.348	178	586562	9.893	ng		99
73) Carbazole	17.619	167	573898	10.083	ng		99
74) Di-n-butylphthalate	18.236	149	637721	9.262	ng		99
75) Fluoranthene	19.348	202	691537	10.159	ng		98
77) Benzidine	19.531	184	371909	9.234	ng		99
78) Pyrene	19.719	202	730793	9.876	ng		99
80) Butylbenzylphthalate	20.678	149	229970	7.663	ng		97
81) Benzo(a)anthracene	21.630	228	727727	9.842	ng		98
82) 3,3'-Dichlorobenzidine	21.554	252	230264	8.826	ng		99
83) Chrysene	21.707	228	663697	9.677	ng		99
84) Bis(2-ethylhexyl)phtha...	21.601	149	396772	8.280	ng		100
85) Di-n-octyl phthalate	22.907	149	562282	7.010	ng		98
87) Indeno(1,2,3-cd)pyrene	28.859	276	762632	9.070	ng		99
88) Benzo(b)fluoranthene	23.966	252	674021	9.613	ng		99
89) Benzo(k)fluoranthene	24.036	252	670628	9.648	ng		99
90) Benzo(a)pyrene	24.871	252	648807	9.608	ng		99
91) Dibenzo(a,h)anthracene	28.948	278	630715	9.173	ng		99
92) Benzo(g,h,i)perylene	30.042	276	615632	9.120	ng		98

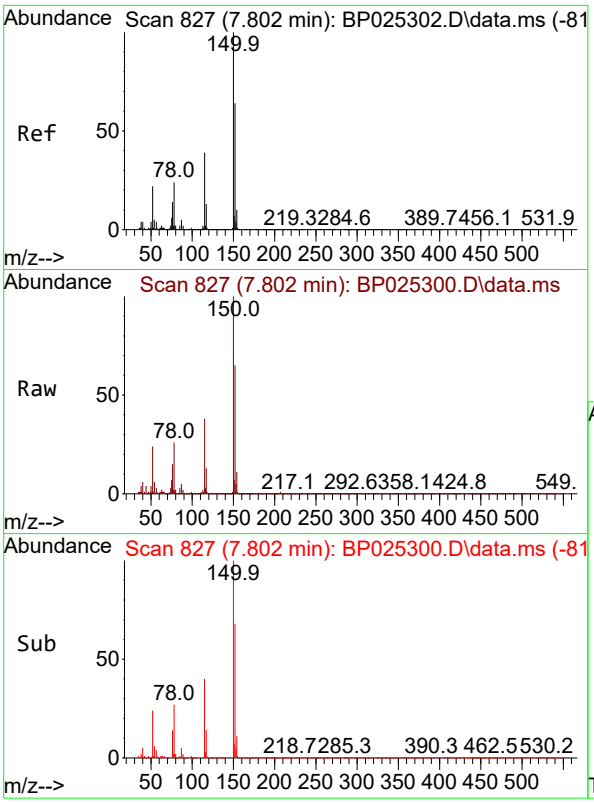
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025300.D
Acq On : 05 Aug 2025 13:25
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 06 06:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



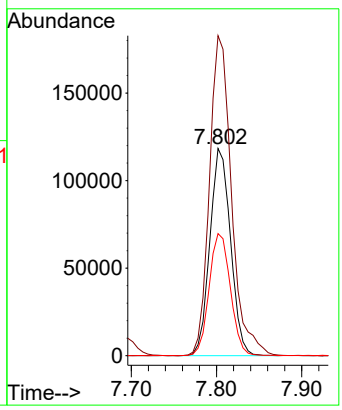


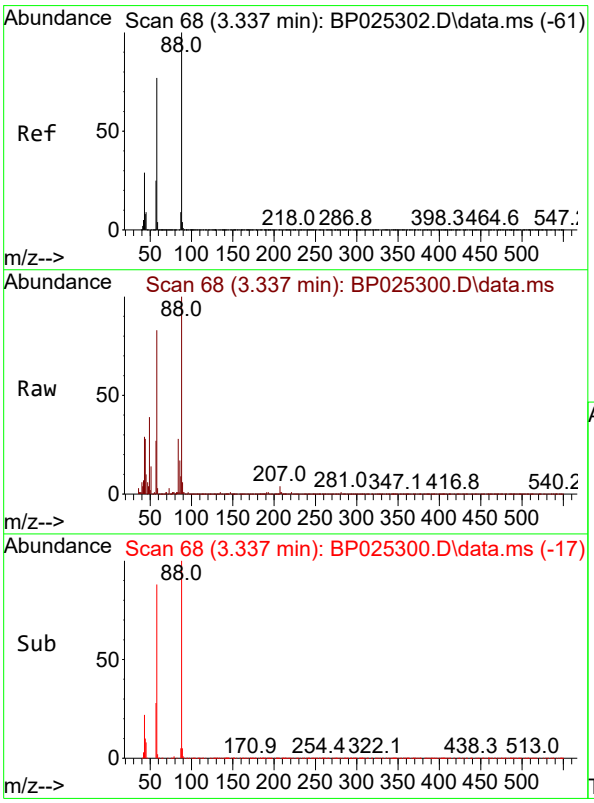
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 199588

Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.1	187.7
115	58.9	48.4	72.6

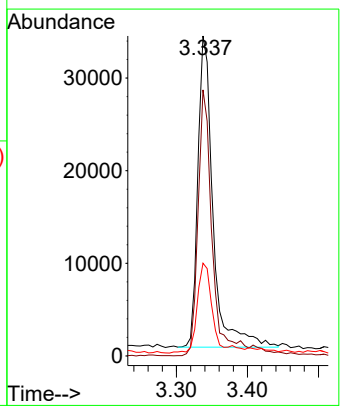


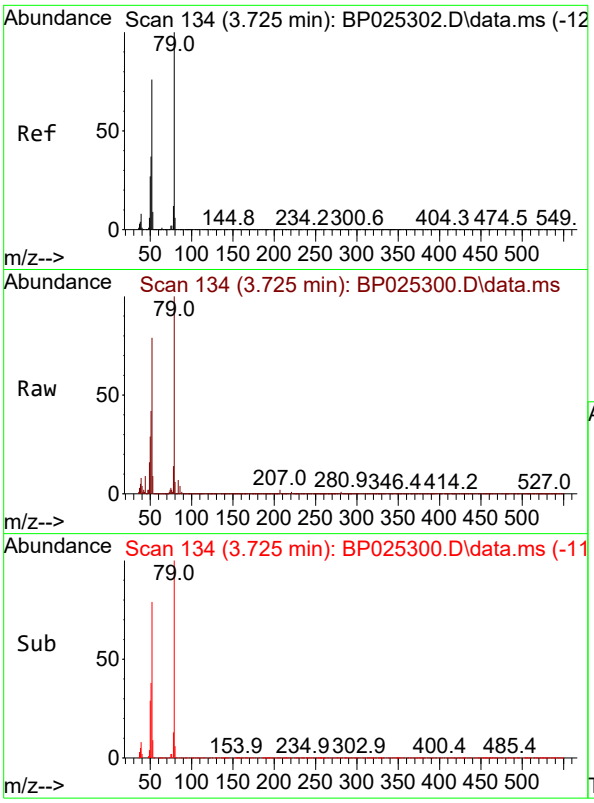


#2
1,4-Dioxane
Concen: 10.227 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 88 Resp: 50082

Ion	Ratio	Lower	Upper
88	100		
58	79.3	61.9	92.9
43	27.8	24.2	36.2



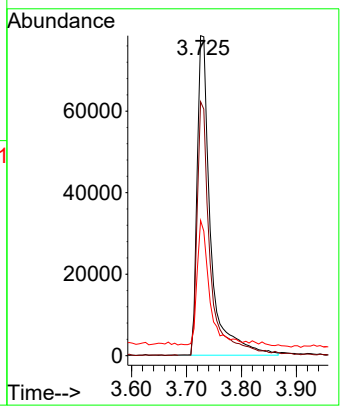


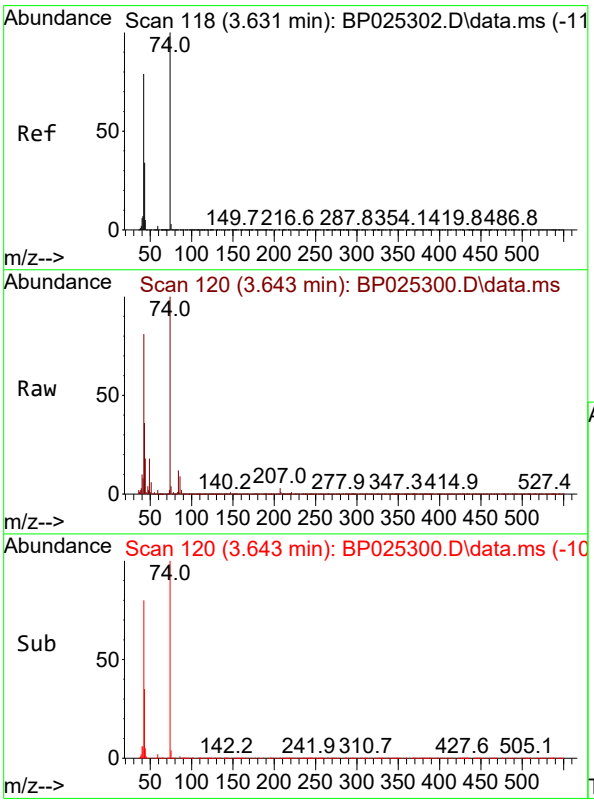
#3
Pyridine
Concen: 9.856 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 134101

Ion	Ratio	Lower	Upper
79	100		
52	79.4	60.5	90.7
51	42.2	30.2	45.2

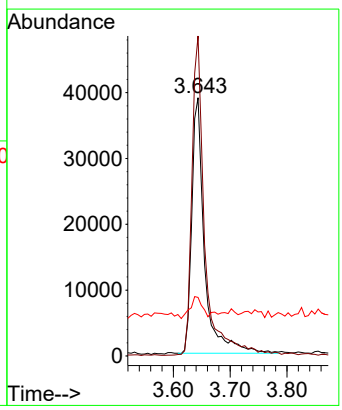


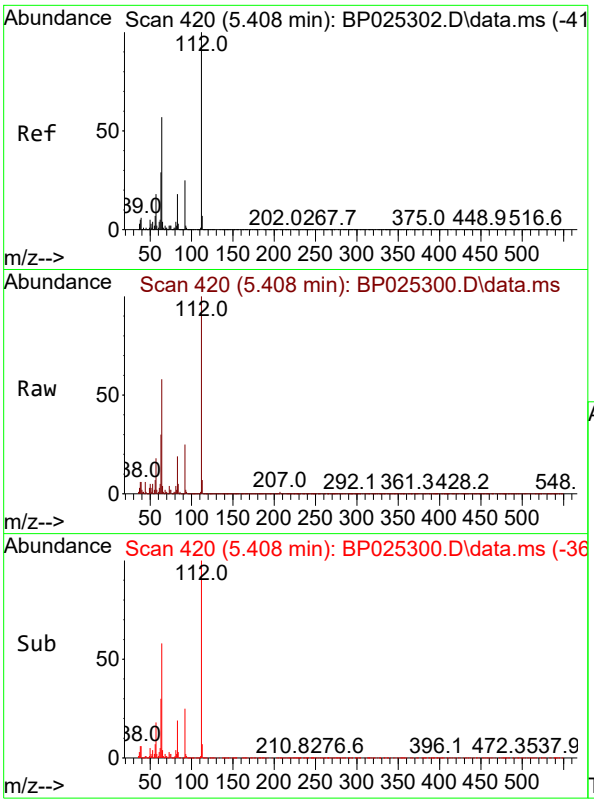


#4
n-Nitrosodimethylamine
Concen: 9.597 ng
RT: 3.643 min Scan# 120
Delta R.T. 0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 42 Resp: 60618

Ion	Ratio	Lower	Upper
42	100		
74	123.9	101.4	152.2
44	22.7	7.6	11.4#



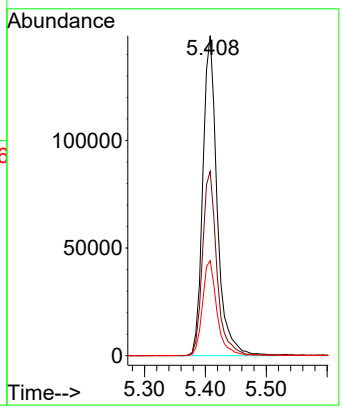


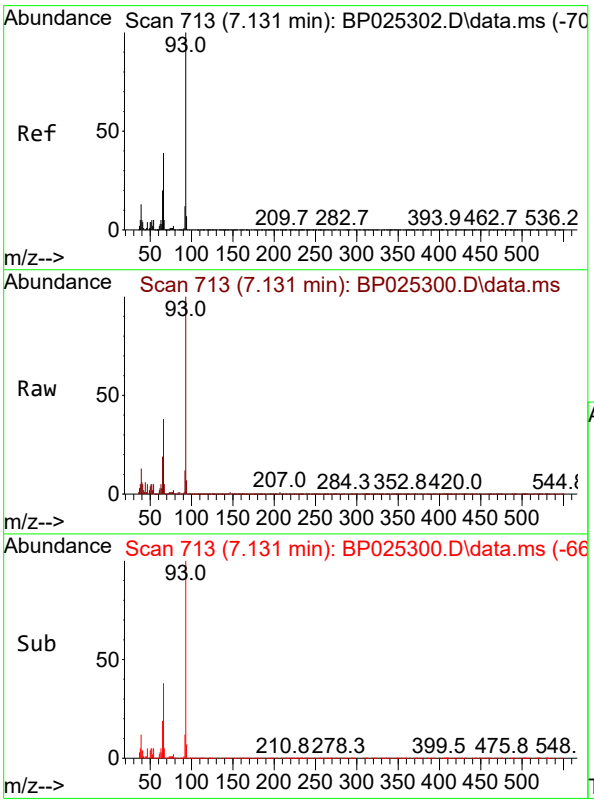
#5
2-Fluorophenol
Concen: 19.492 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 243459

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	29.7	23.0	34.6

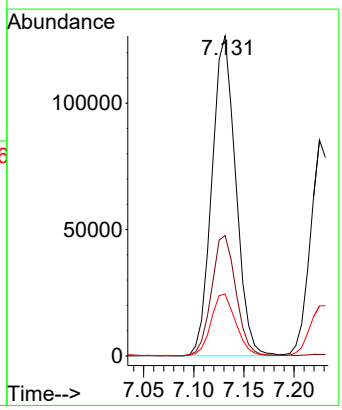


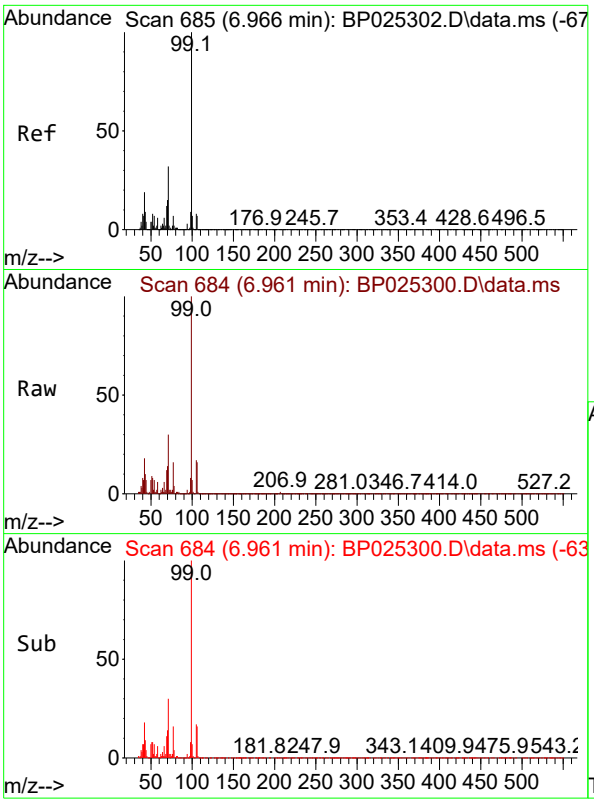


#6
Aniline
Concen: 9.343 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 93 Resp: 209460

Ion	Ratio	Lower	Upper
93	100		
66	37.6	31.1	46.7
65	19.3	15.8	23.8



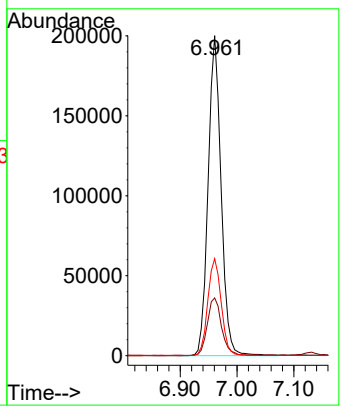


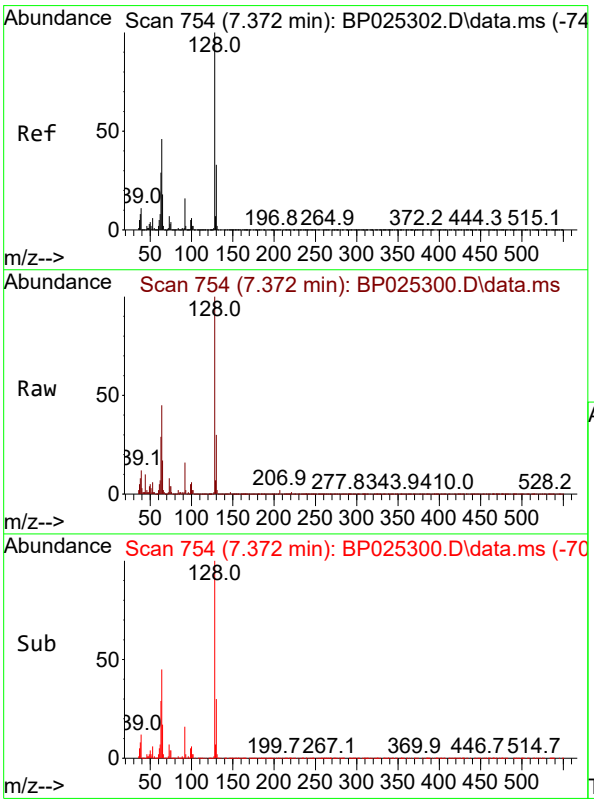
#7
Phenol-d6
Concen: 19.176 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 315945

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.6
71	30.3	25.5	38.3

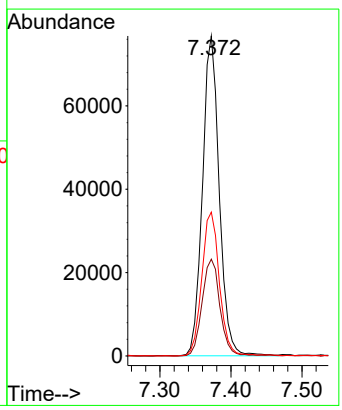


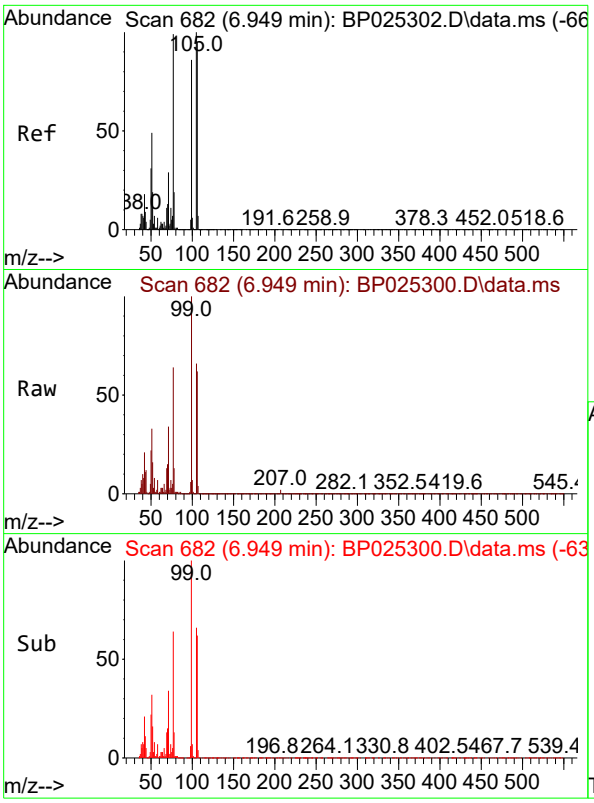


#8
2-Chlorophenol
Concen: 9.288 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:128 Resp: 126166

Ion	Ratio	Lower	Upper
128	100		
130	30.3	13.1	53.1
64	45.0	26.1	66.1



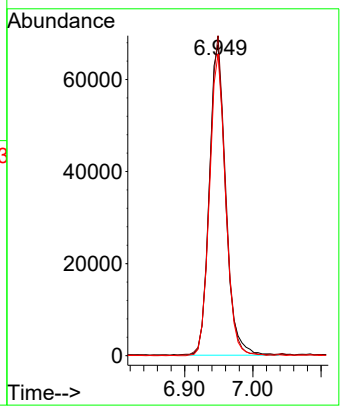


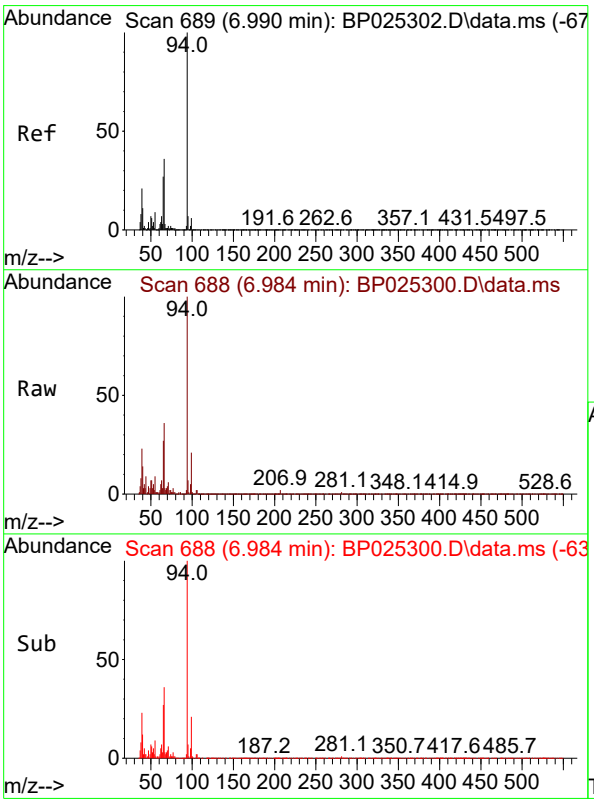
#9
Benzaldehyde
Concen: 9.741 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 112991

Ion	Ratio	Lower	Upper
77	100		
105	102.9	81.4	121.4
106	97.0	76.2	116.2

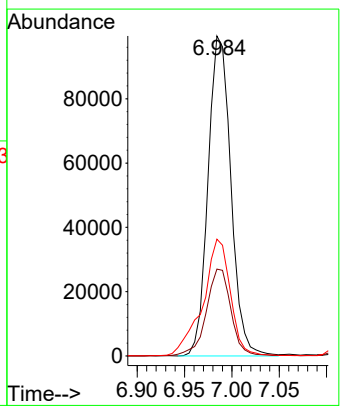


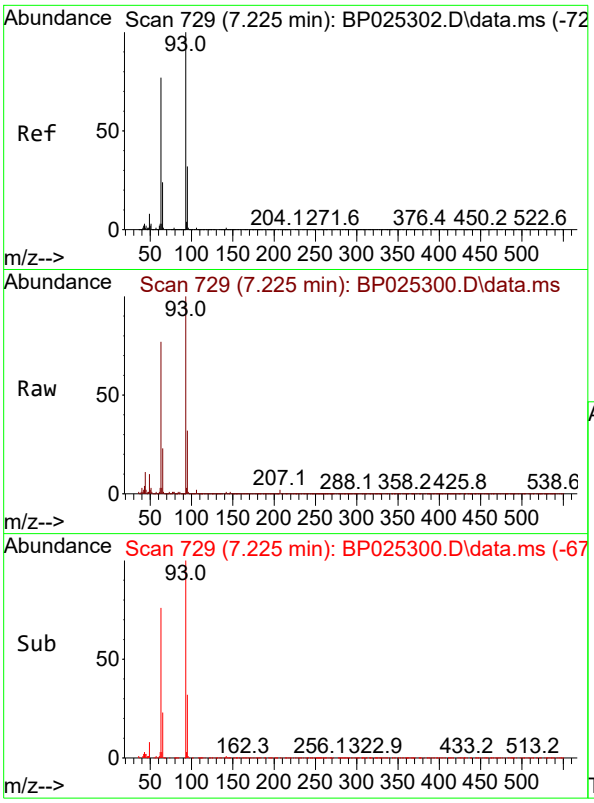


#10
Phenol
Concen: 9.575 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 94 Resp: 167307

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.3	47.3
66	36.5	15.7	55.7



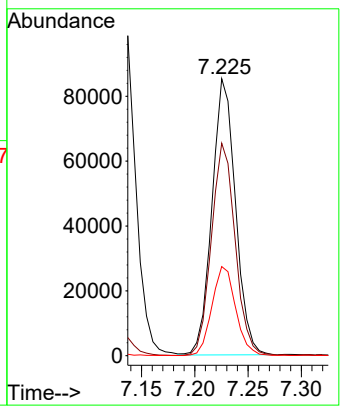


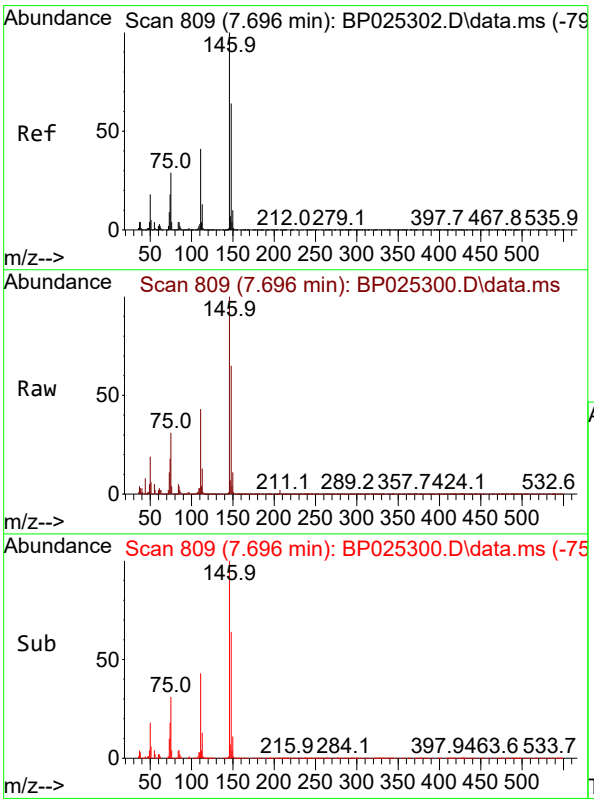
#11
bis(2-Chloroethyl)ether
Concen: 9.556 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 130843

Ion	Ratio	Lower	Upper
93	100		
63	76.8	57.0	97.0
95	32.2	12.1	52.1

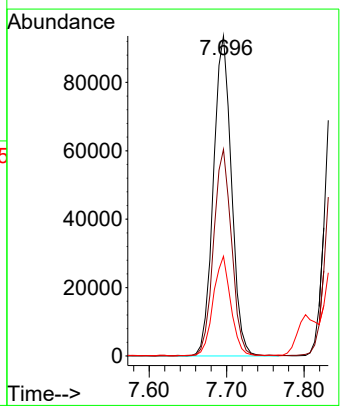


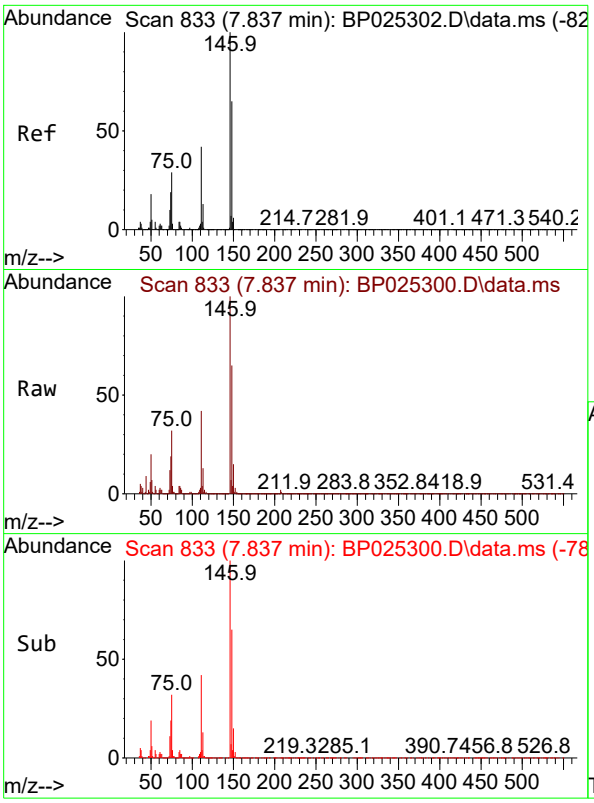


#12
1,3-Dichlorobenzene
Concen: 9.906 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:146 Resp: 151188

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
75	31.2	23.2	34.8



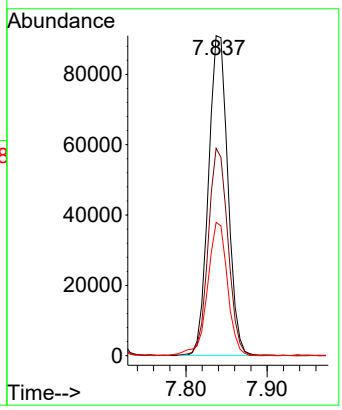


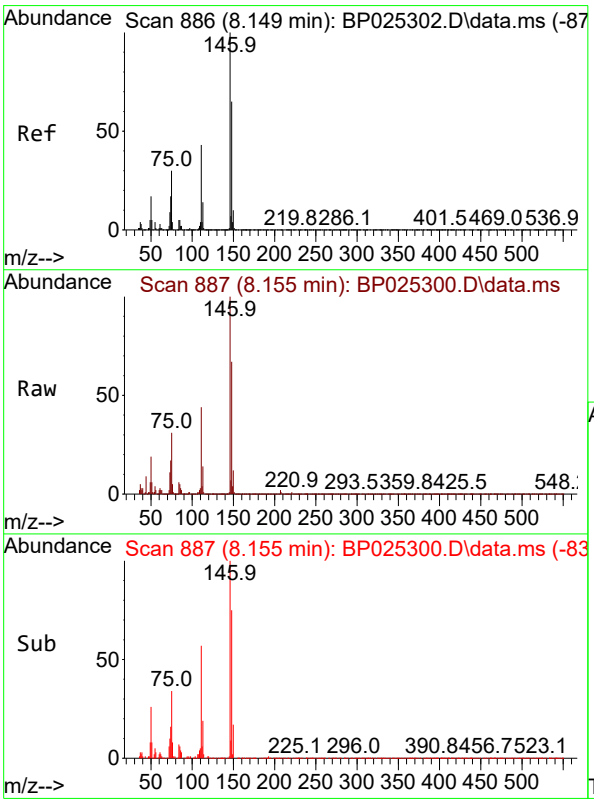
#13
1,4-Dichlorobenzene
Concen: 9.755 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 150627

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.0	78.0
111	41.7	33.2	49.8

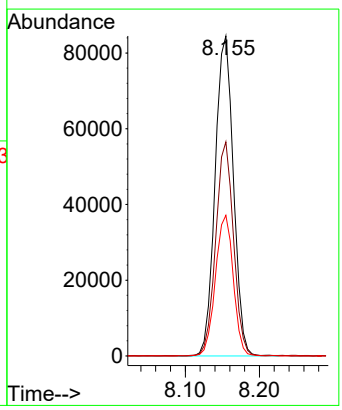


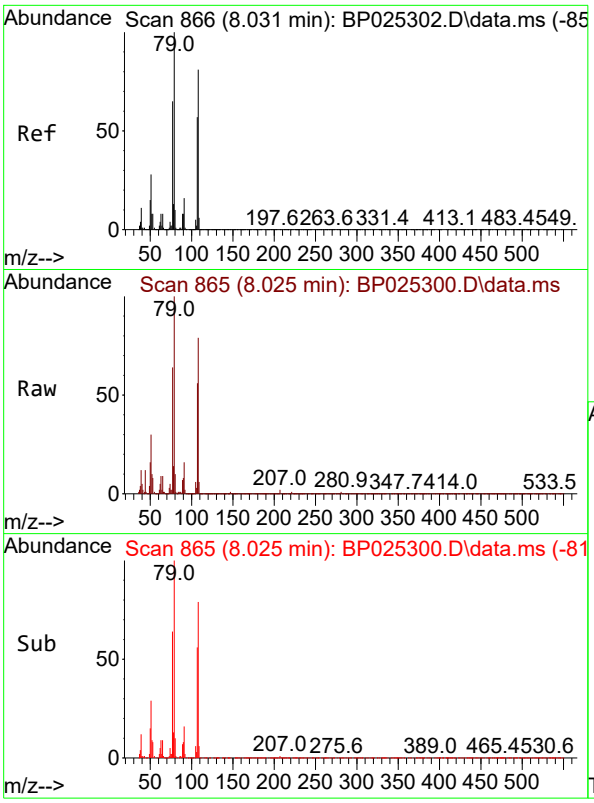


#14
1,2-Dichlorobenzene
Concen: 9.679 ng
RT: 8.155 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:146 Resp: 144777

Ion	Ratio	Lower	Upper
146	100		
148	66.9	51.9	77.9
111	43.9	34.4	51.6



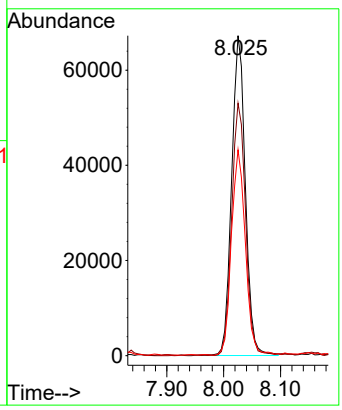


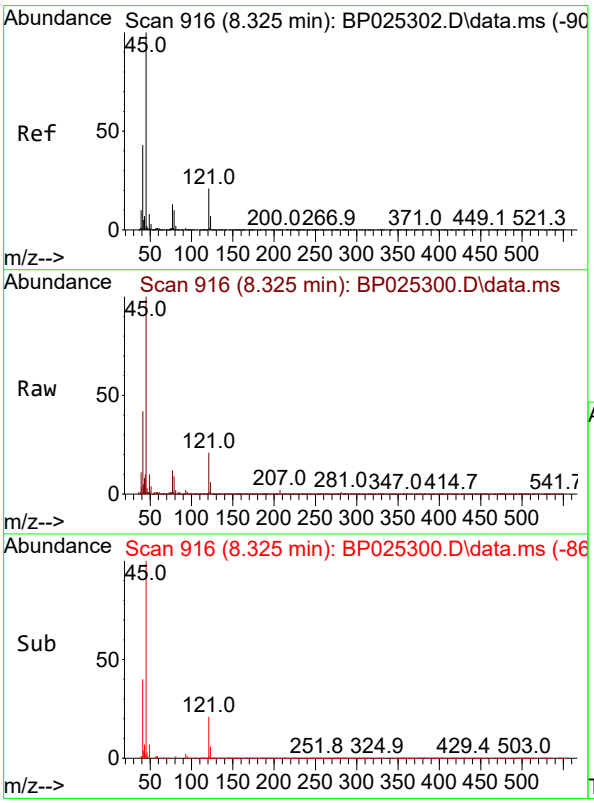
#15
Benzyl Alcohol
Concen: 8.905 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 112727

Ion	Ratio	Lower	Upper
79	100		
108	78.9	64.5	96.7
77	64.3	51.9	77.9

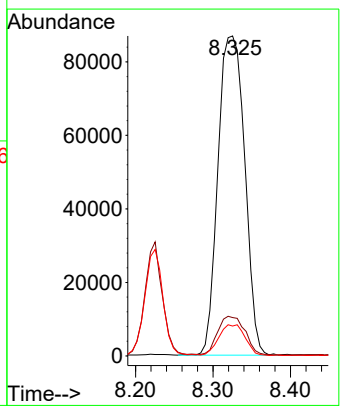


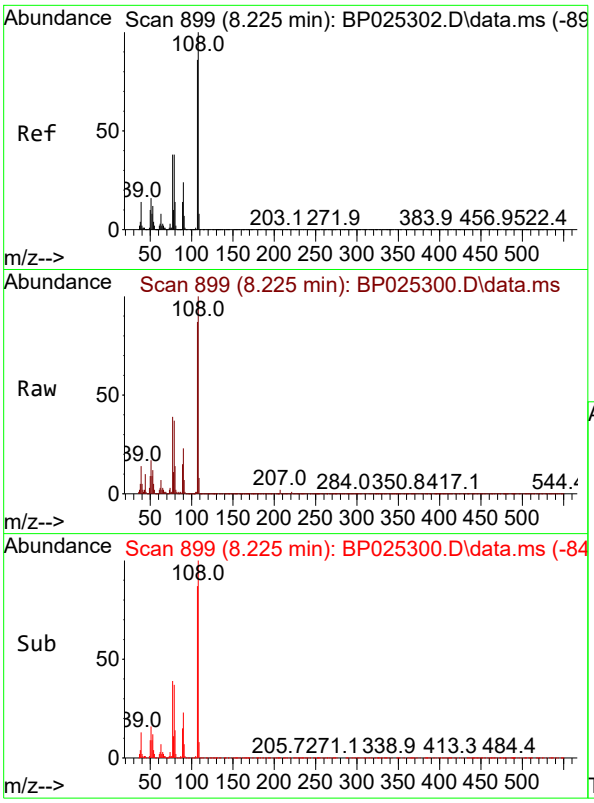


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.650 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 45 Resp: 208708

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	33.0
79	9.4	0.0	29.8



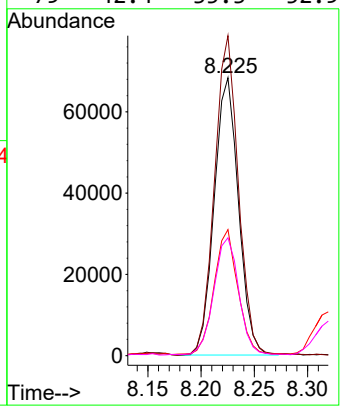


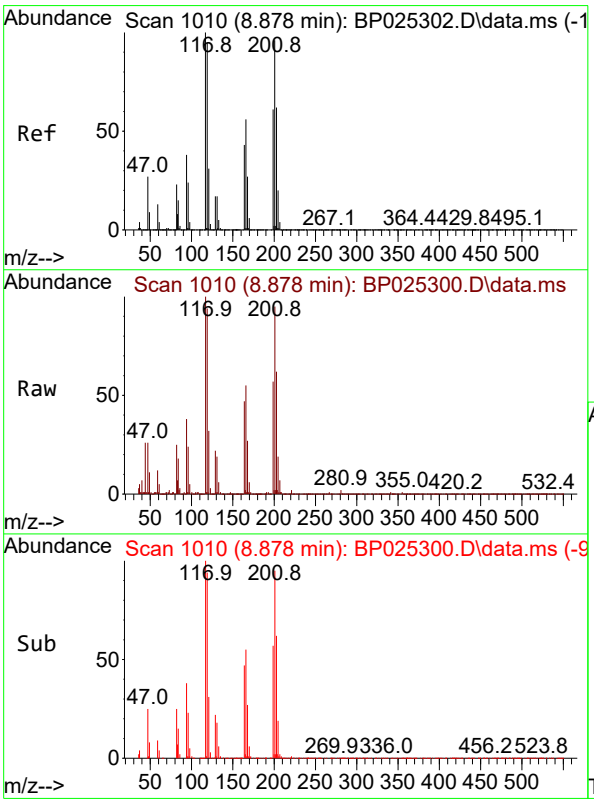
#17
2-Methylphenol
Concen: 9.264 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 108323

Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.6	139.0
77	45.4	35.4	53.2
79	42.4	35.3	52.9

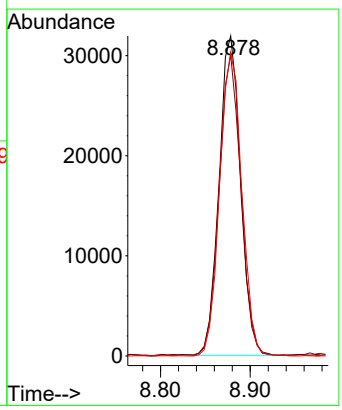


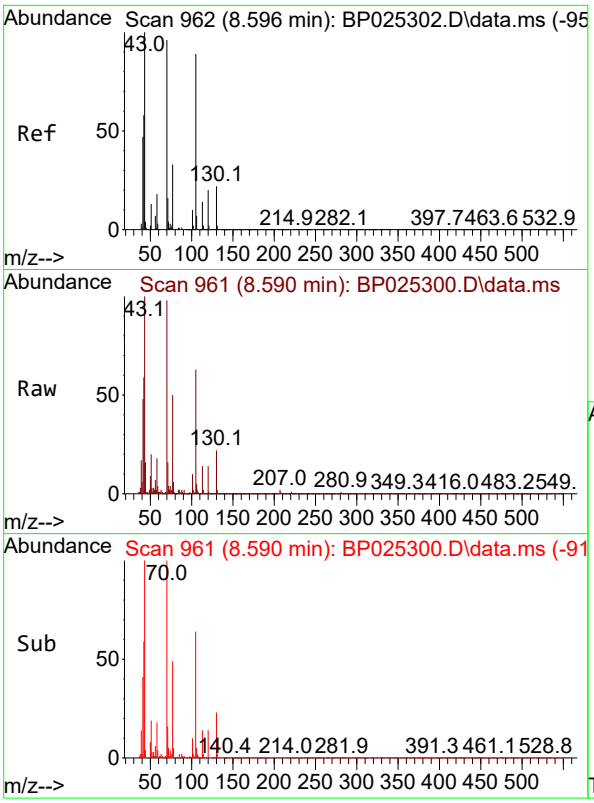


#18
Hexachloroethane
Concen: 9.613 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:117 Resp: 53085

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.8	113.8
201	94.9	76.6	114.8



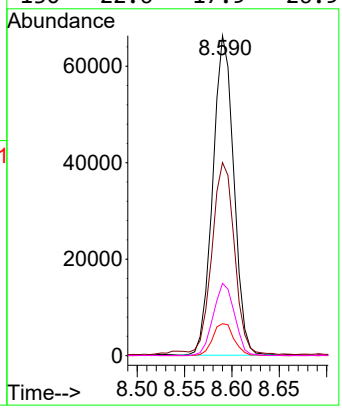


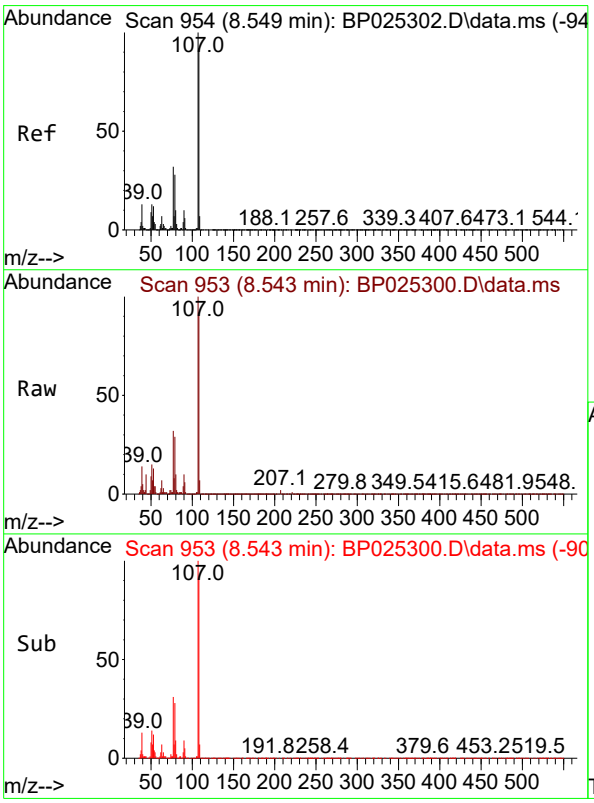
#19
n-Nitroso-di-n-propylamine
Concen: 9.544 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 102413

Ion	Ratio	Lower	Upper
70	100		
42	60.4	49.4	74.0
101	10.0	7.9	11.9
130	22.6	17.9	26.9

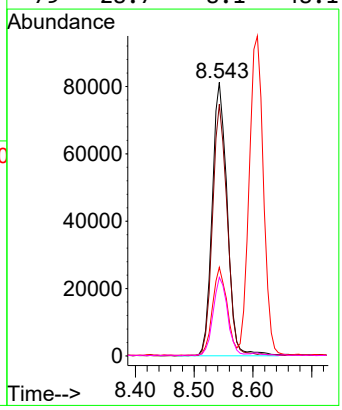


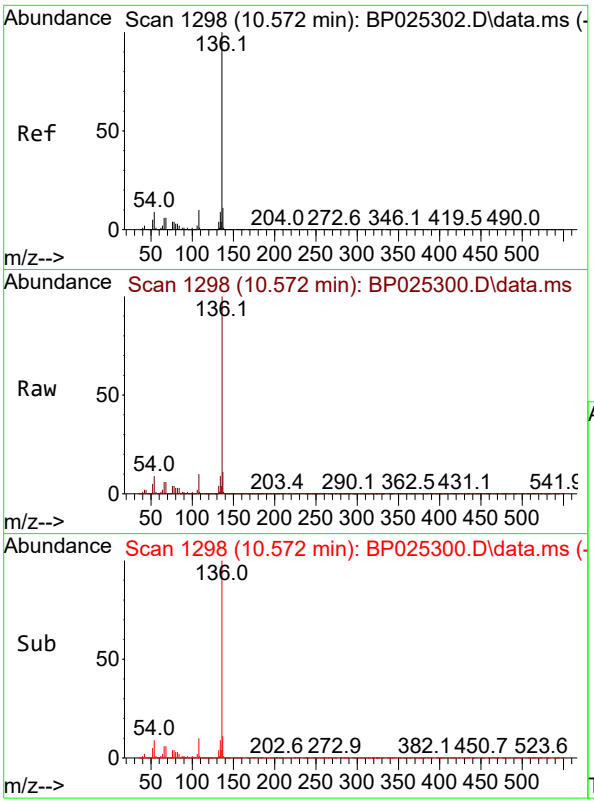


#20
3+4-Methylphenols
Concen: 8.970 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:107 Resp: 144425

Ion	Ratio	Lower	Upper
107	100		
108	92.0	71.9	111.9
77	32.4	12.0	52.0
79	28.7	8.1	48.1



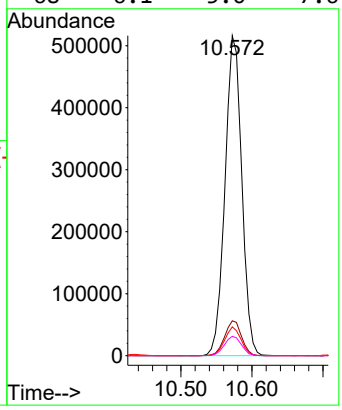


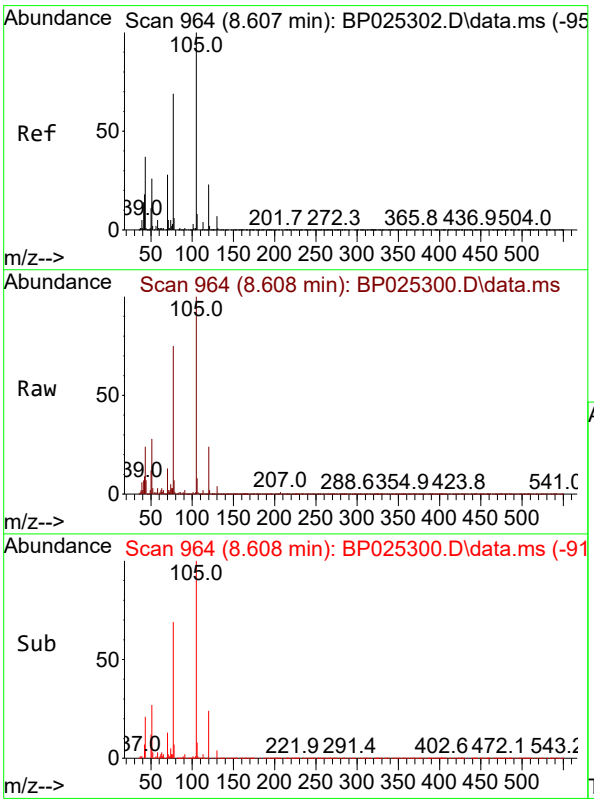
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 845252

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	7.0	10.6
68	6.1	5.0	7.6

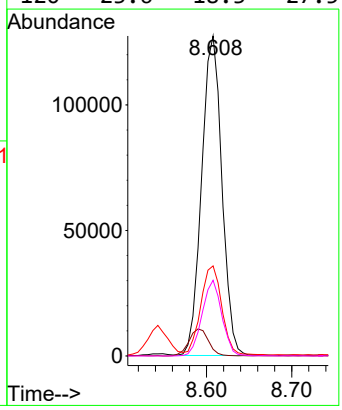


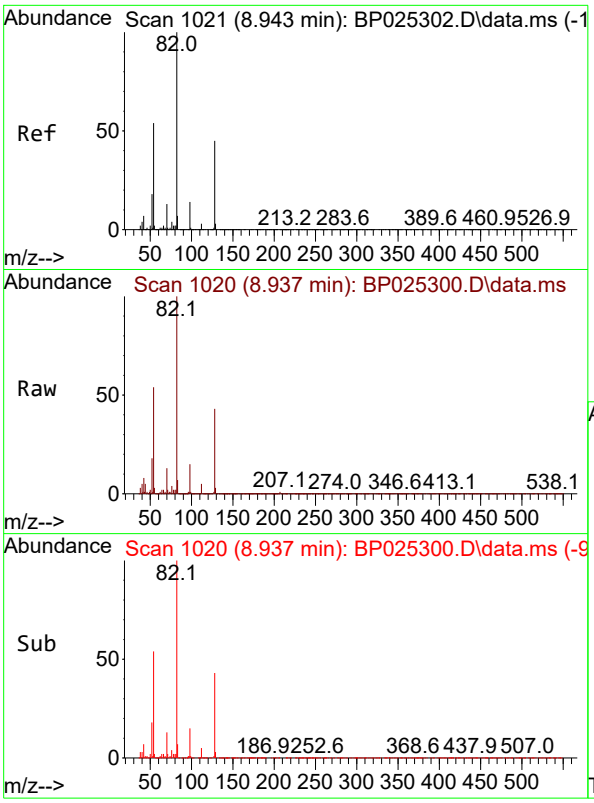


#22
Acetophenone
Concen: 9.914 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:105 Resp: 210356

Ion	Ratio	Lower	Upper
105	100		
71	2.1	4.1	6.1#
51	28.1	22.7	34.1
120	23.6	18.3	27.5



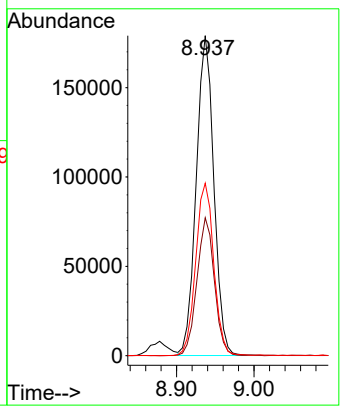


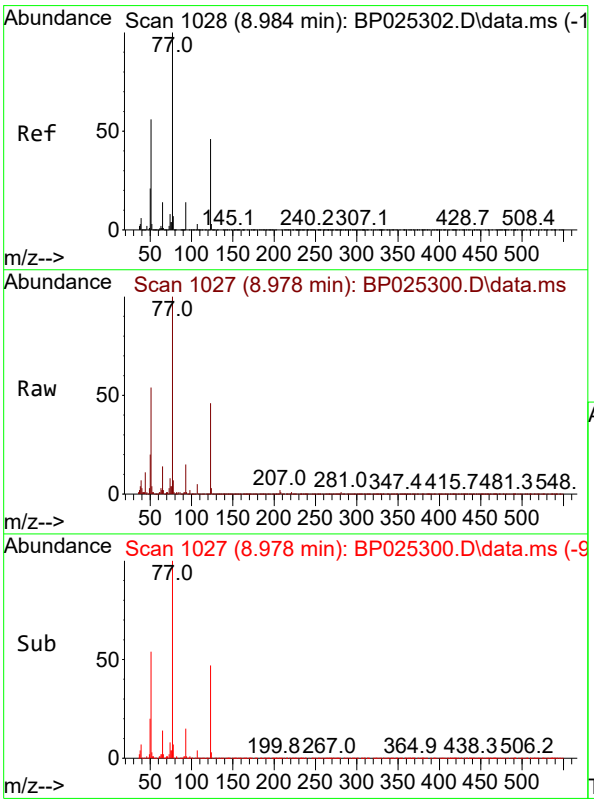
#23
Nitrobenzene-d5
Concen: 18.091 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 282618

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.4	53.2
54	53.9	42.9	64.3

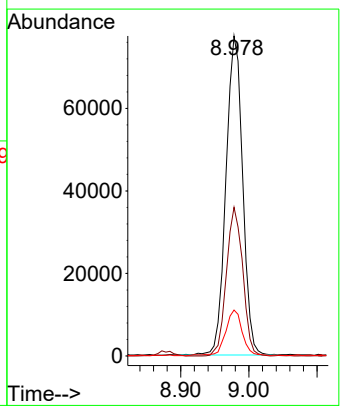


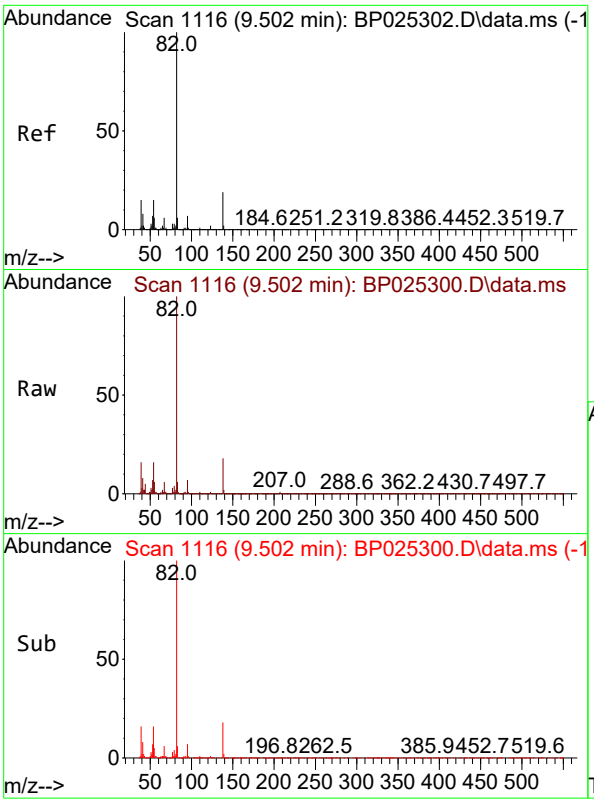


#24
Nitrobenzene
Concen: 9.140 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 77 Resp: 132011

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.4	56.2
65	14.3	11.1	16.7



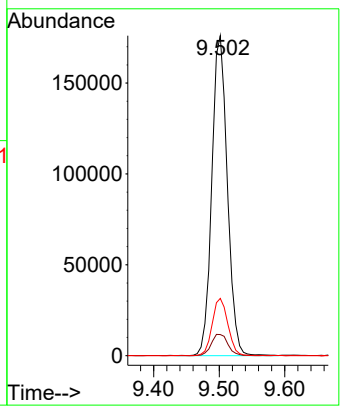


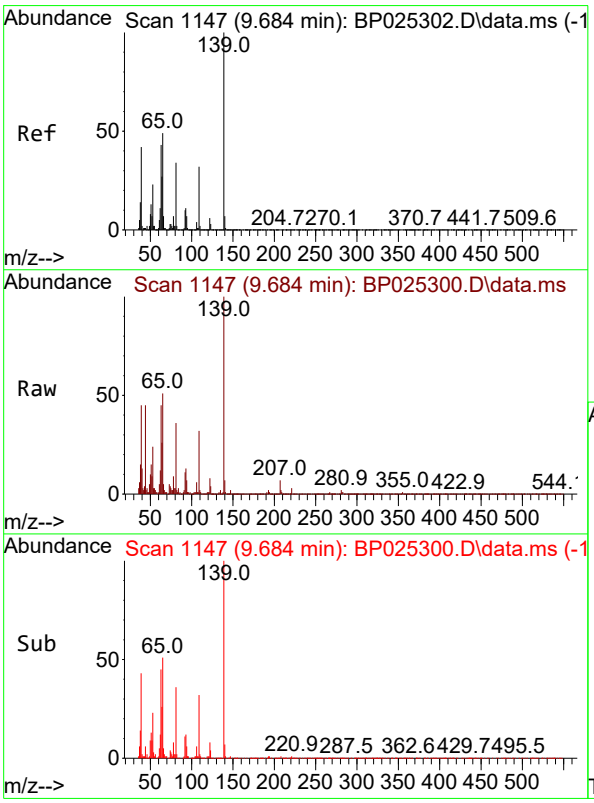
#25
Isophorone
Concen: 9.492 ng
RT: 9.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 288268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	17.9	15.0	22.6

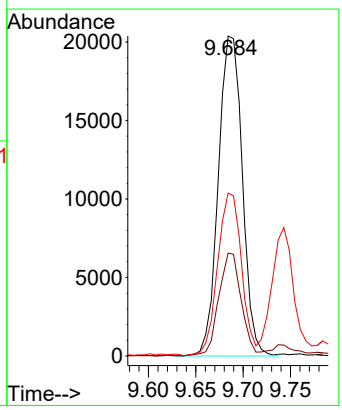


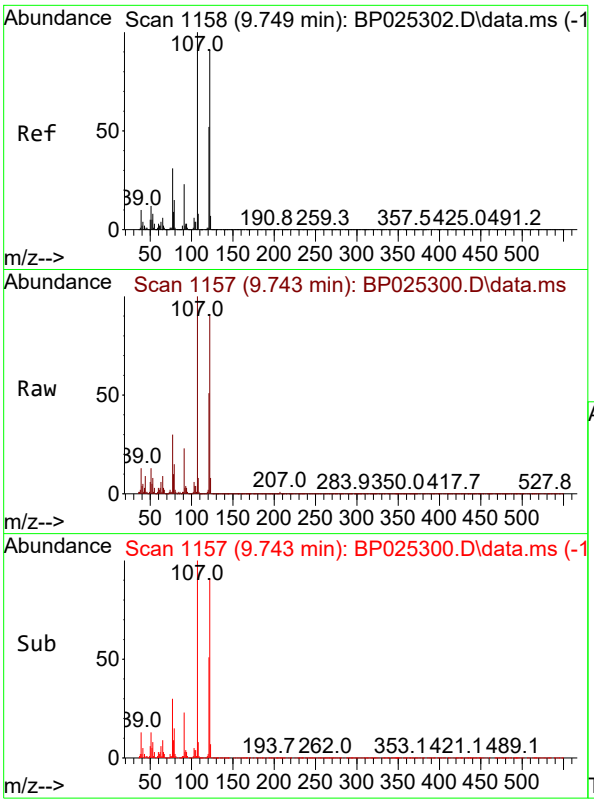


#26
2-Nitrophenol
Concen: 8.913 ng
RT: 9.684 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:139 Resp: 35903

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.2	37.8
65	50.9	39.6	59.4



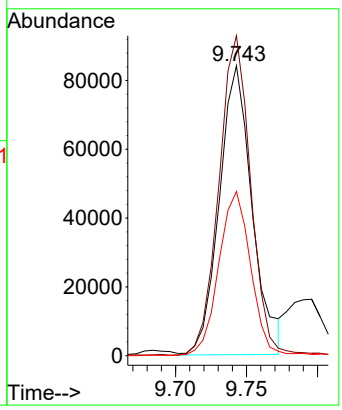


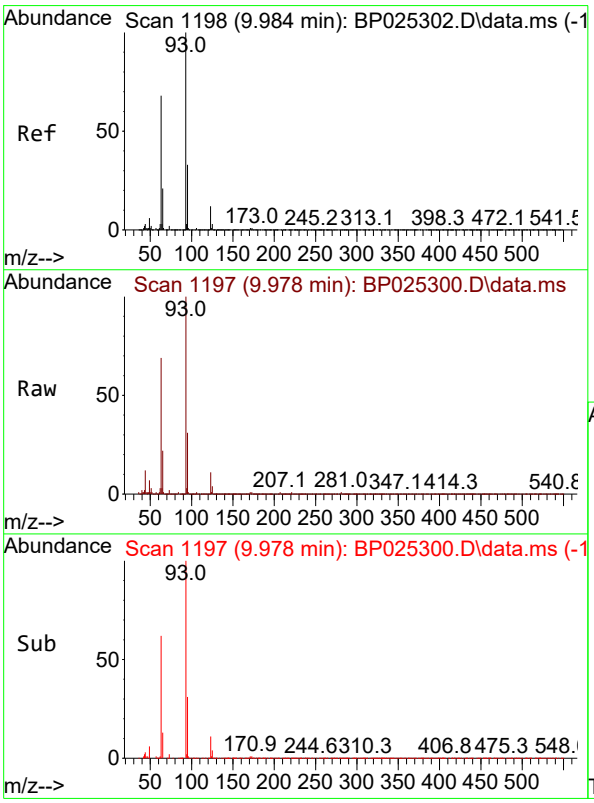
#27
2,4-Dimethylphenol
Concen: 9.642 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 135004

Ion	Ratio	Lower	Upper
122	100		
107	110.4	87.4	131.0
121	56.6	45.8	68.8

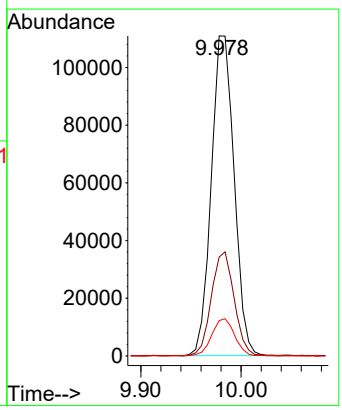


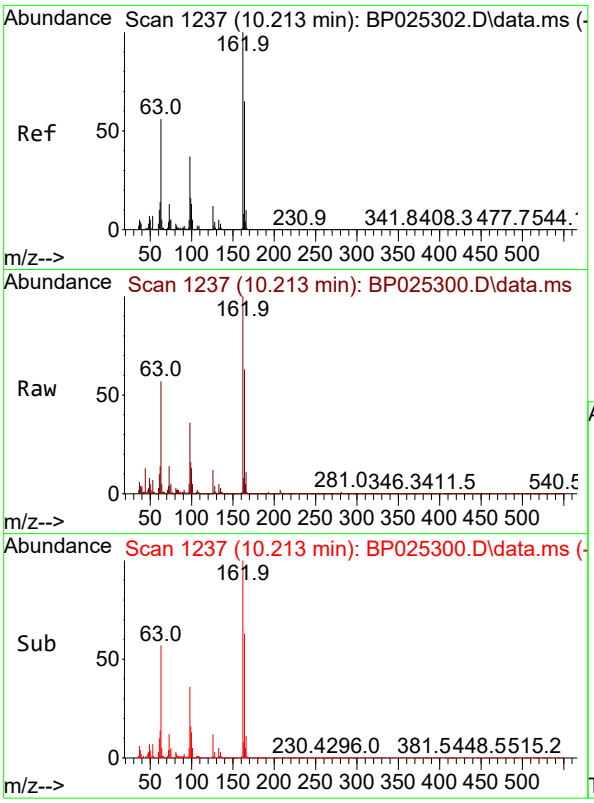


#28
bis(2-Chloroethoxy)methane
Concen: 9.483 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 93 Resp: 175188

Ion	Ratio	Lower	Upper
93	100		
95	30.9	26.5	39.7
123	11.1	9.4	14.2



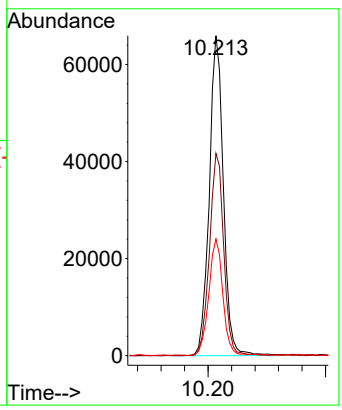


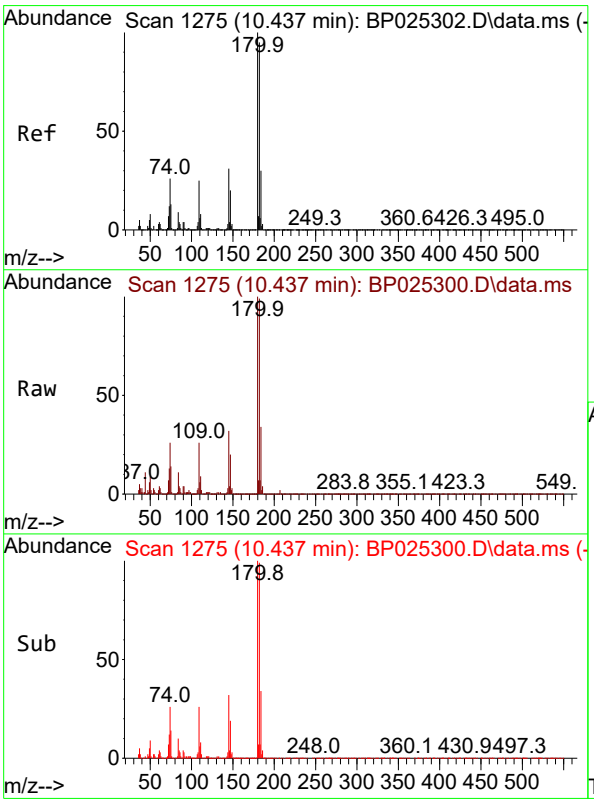
#29
2,4-Dichlorophenol
Concen: 8.937 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 109548

Ion	Ratio	Lower	Upper
162	100		
164	63.2	45.2	85.2
98	36.5	17.5	57.5

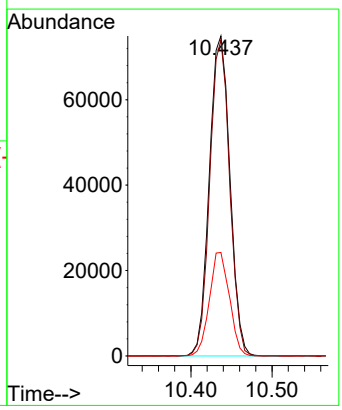


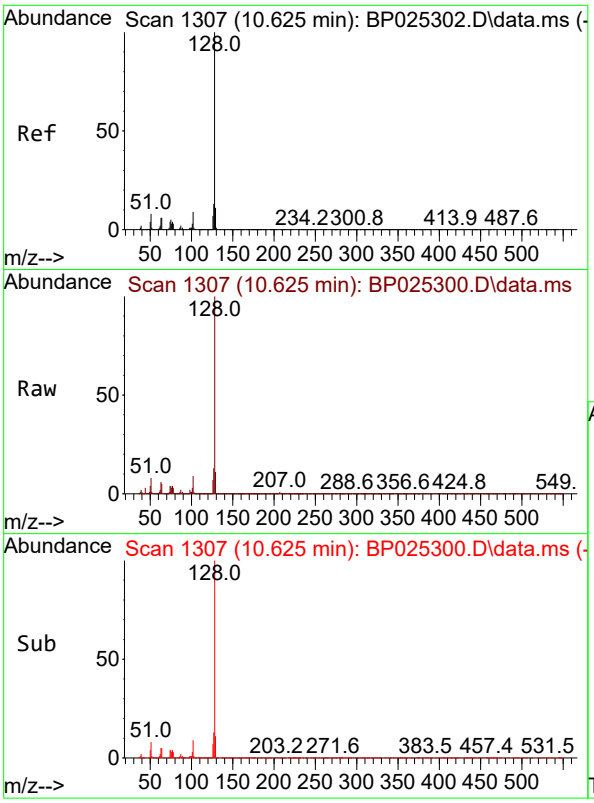


#30
1,2,4-Trichlorobenzene
Concen: 9.765 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:180 Resp: 132056

Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.8	113.8
145	32.4	25.0	37.4



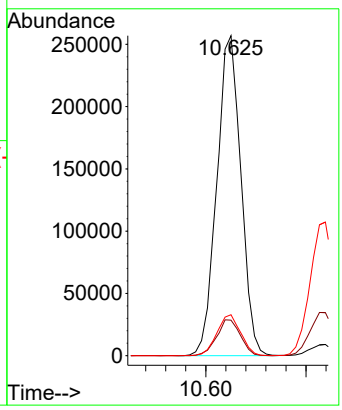


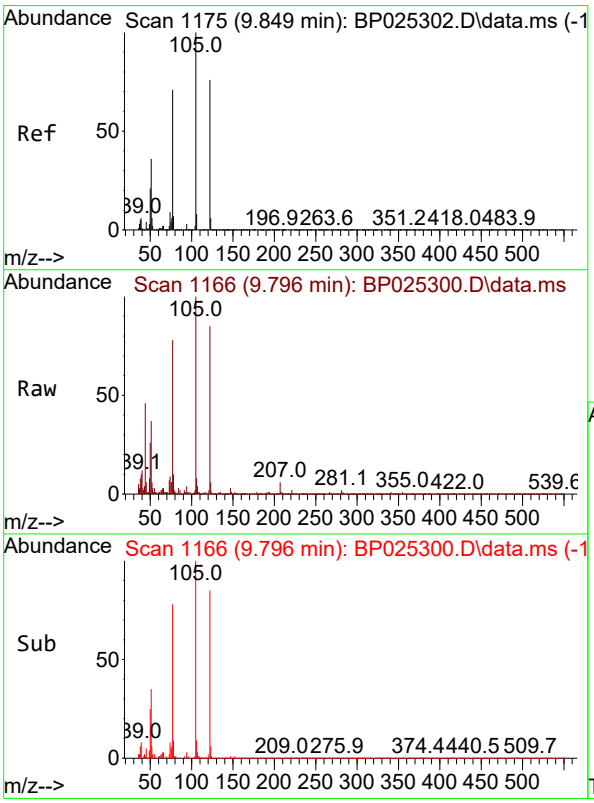
#31
Naphthalene
Concen: 9.763 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 428389

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.8	10.4	15.6

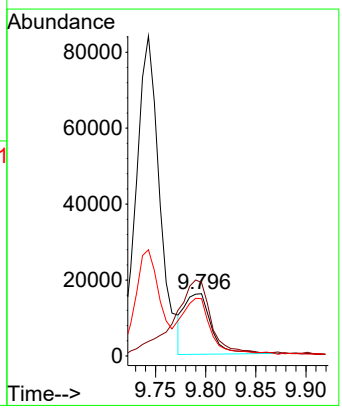


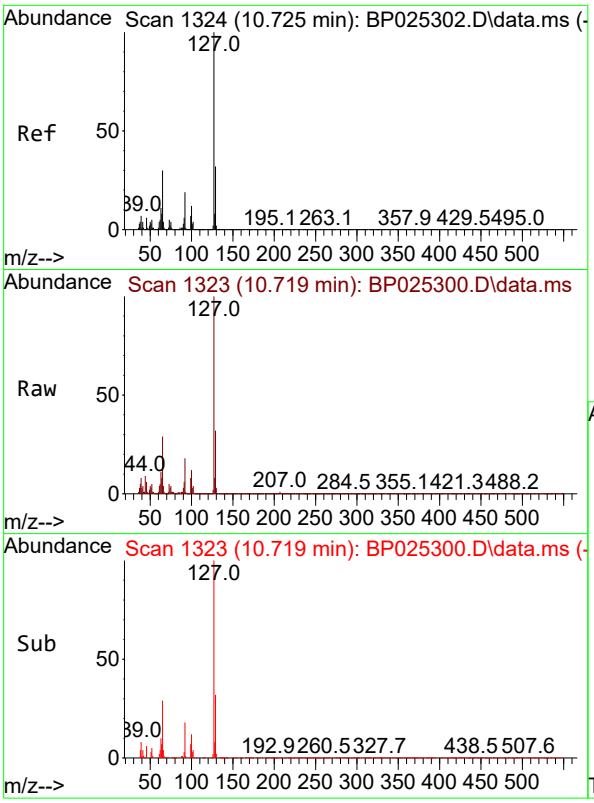


#32
Benzoic acid
Concen: 10.101 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.053 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:122 Resp: 29602

Ion	Ratio	Lower	Upper
122	100		
105	117.9	104.0	144.0
77	92.0	71.8	111.8



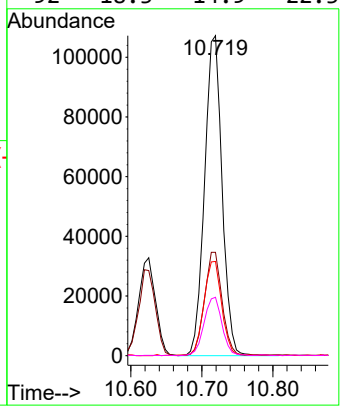


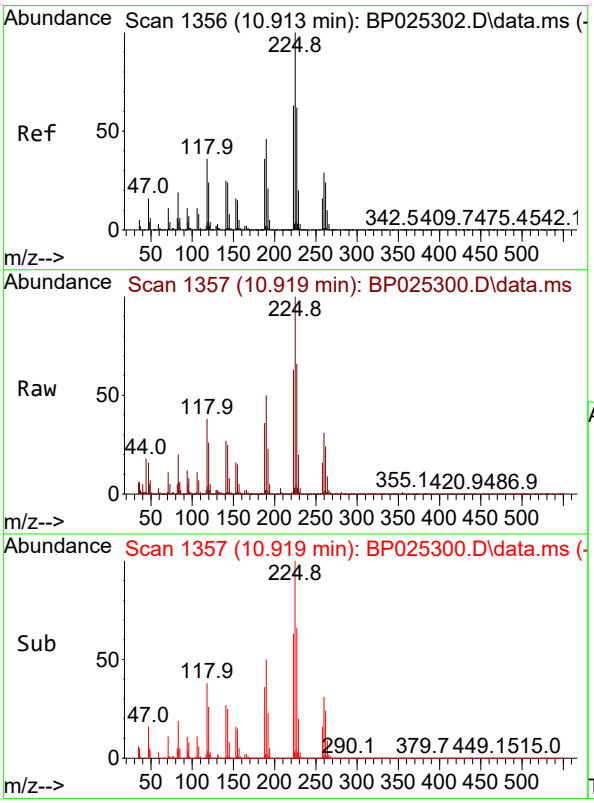
#33
4-Chloroaniline
Concen: 9.419 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 183806

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.4	23.6	35.4
92	18.3	14.9	22.3

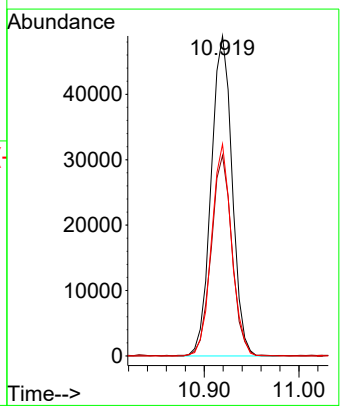


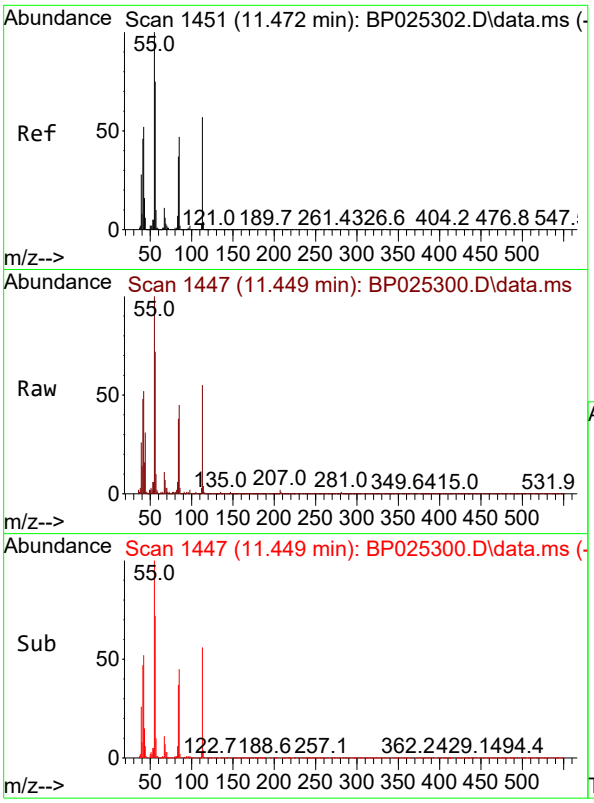


#34
Hexachlorobutadiene
Concen: 9.671 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:225 Resp: 75081

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	66.2	49.7	74.5



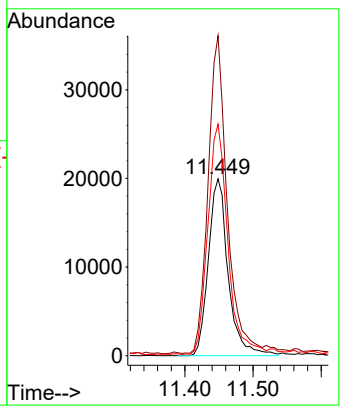


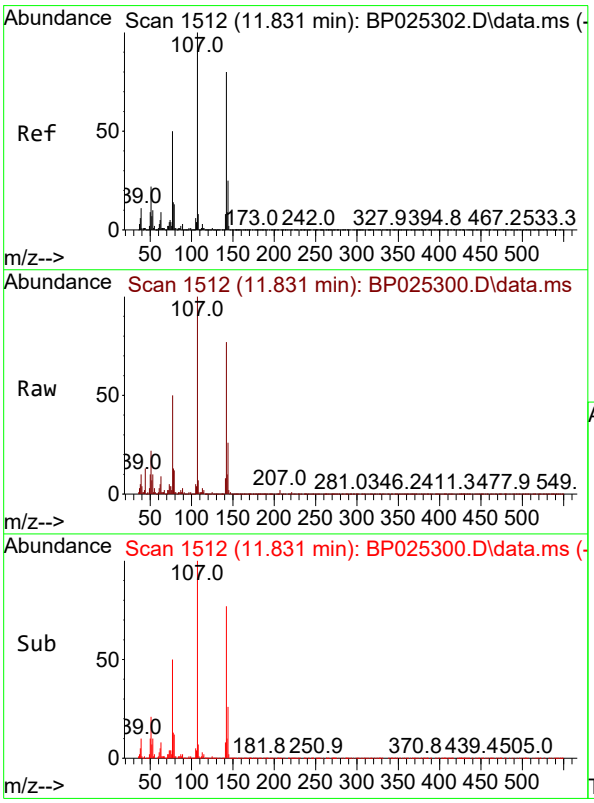
#35
Caprolactam
Concen: 8.461 ng
RT: 11.449 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 40323

Ion	Ratio	Lower	Upper
113	100		
55	180.9	154.4	194.4
56	130.9	110.9	150.9

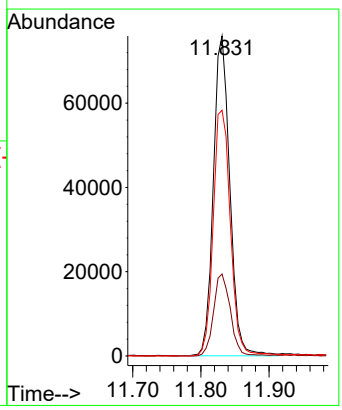


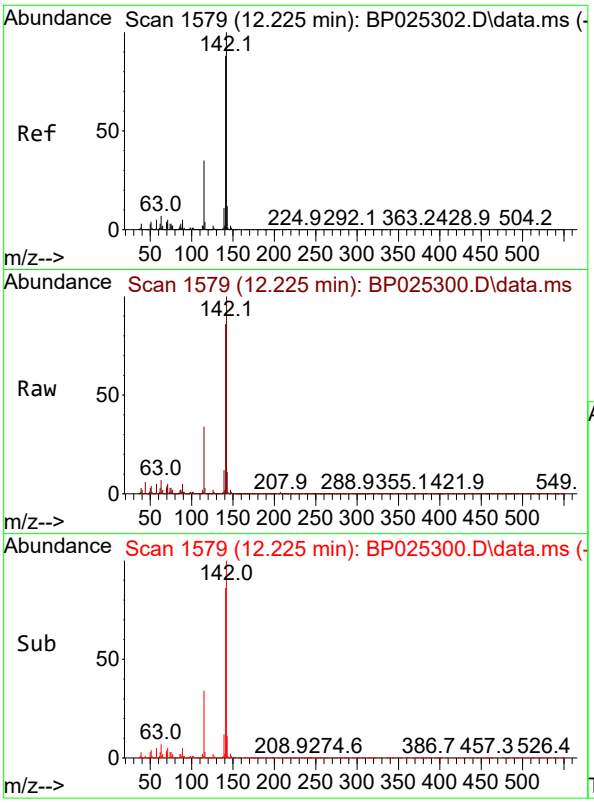


#36
4-Chloro-3-methylphenol
Concen: 9.020 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:107 Resp: 127937

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.4	30.6
142	76.8	63.7	95.5



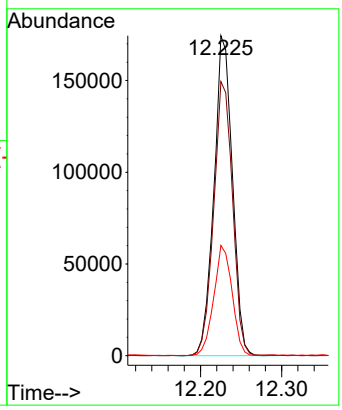


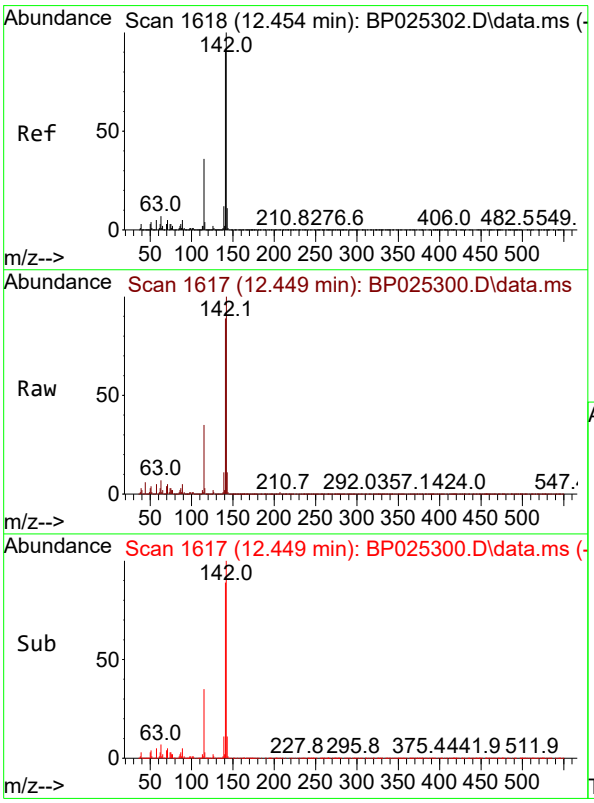
#37
2-Methylnaphthalene
Concen: 9.724 ng
RT: 12.225 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 276185

Ion	Ratio	Lower	Upper
142	100		
141	85.7	70.4	105.6
115	34.5	28.0	42.0

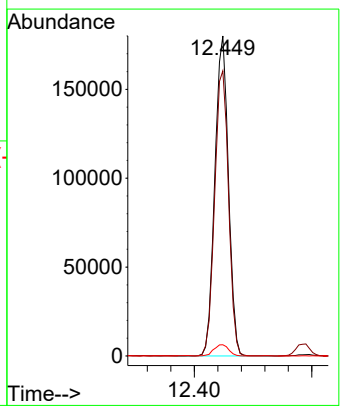


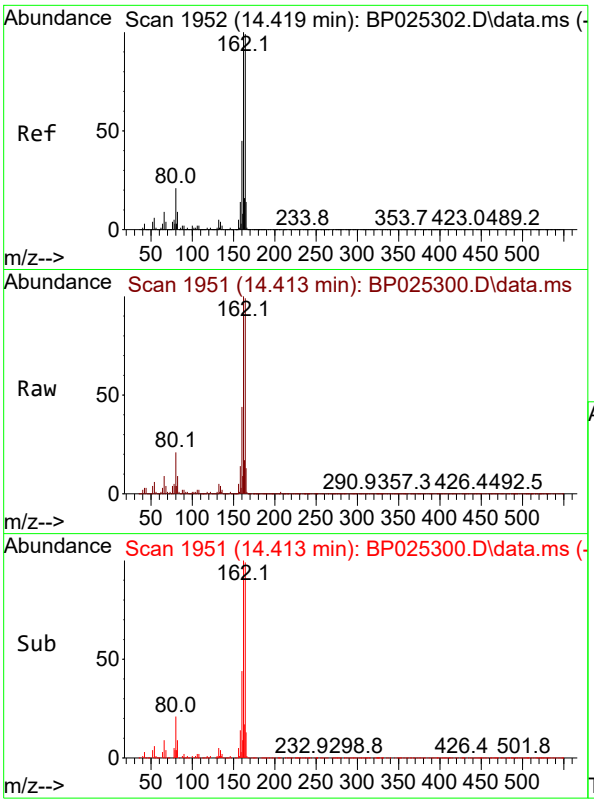


#38
1-Methylnaphthalene
Concen: 9.746 ng
RT: 12.449 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:142 Resp: 288814

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.0	109.6
116	3.5	3.0	4.6



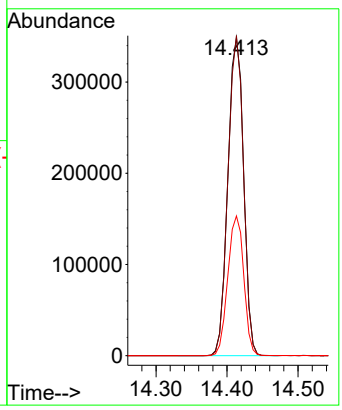


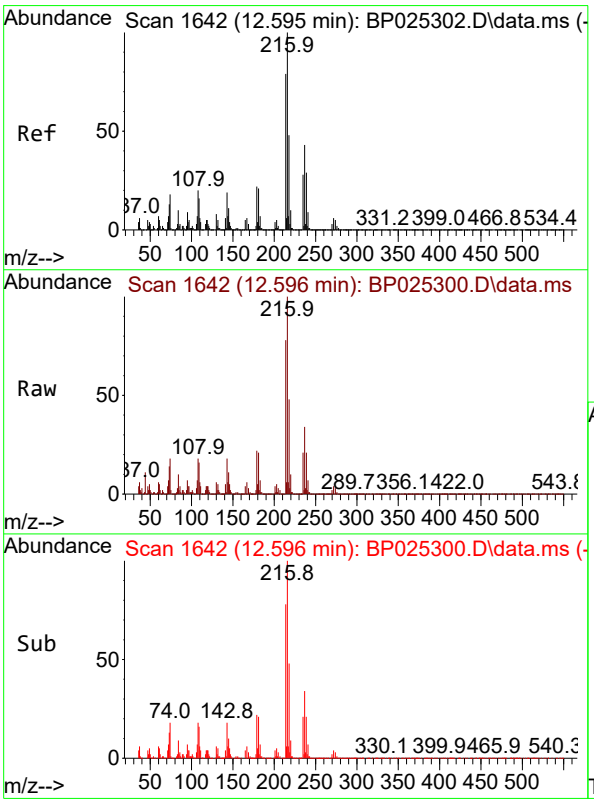
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 537224

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	43.9	35.9	53.9

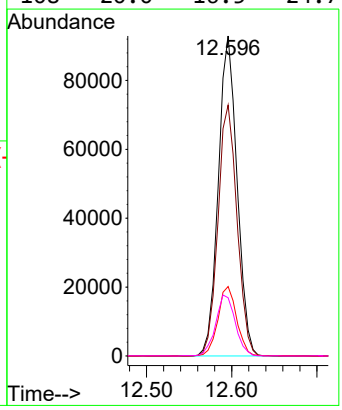


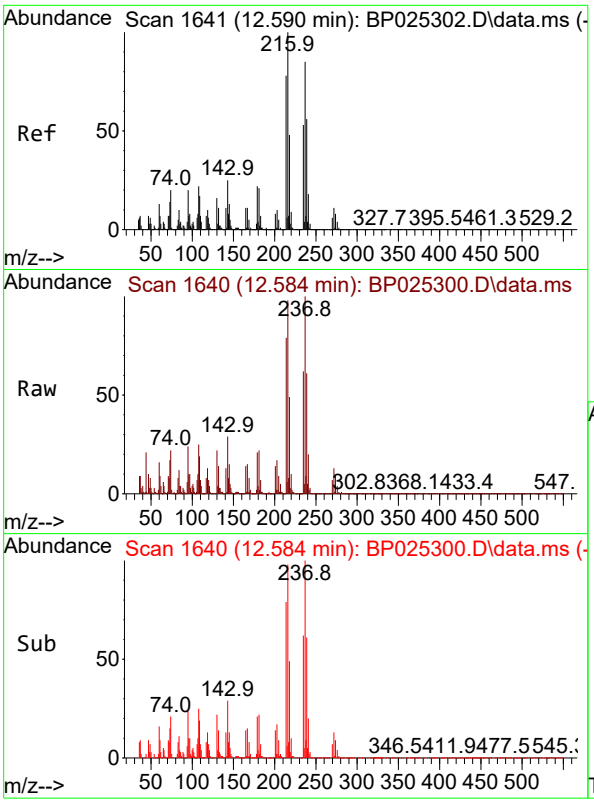


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.698 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:216 Resp: 142243

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.4	93.6
179	21.8	17.5	26.3
108	20.0	16.5	24.7



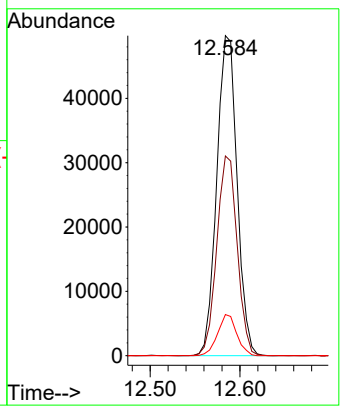


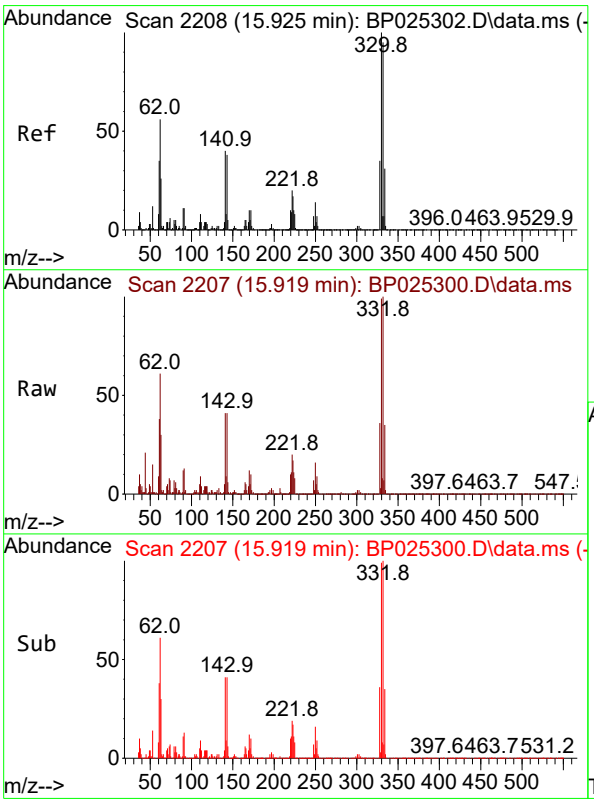
#41
Hexachlorocyclopentadiene
Concen: 8.636 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 78172

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.2	82.2
272	12.8	0.0	32.8

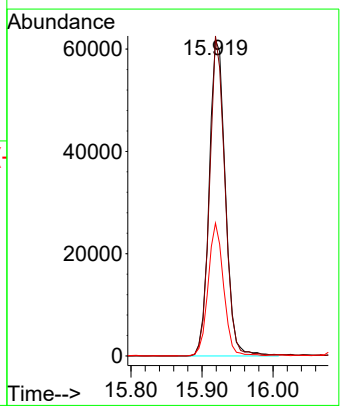


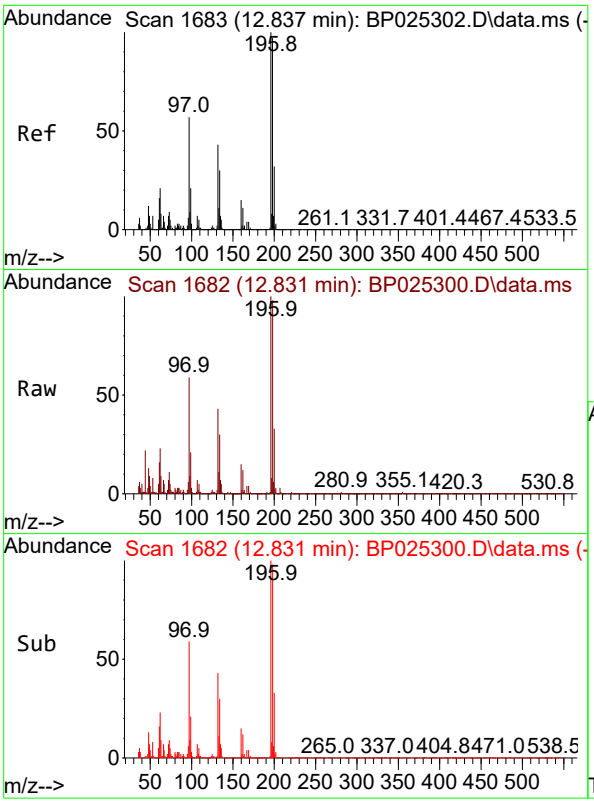


#42
2,4,6-Tribromophenol
Concen: 17.623 ng
RT: 15.919 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:330 Resp: 97752

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	40.1	31.7	47.5



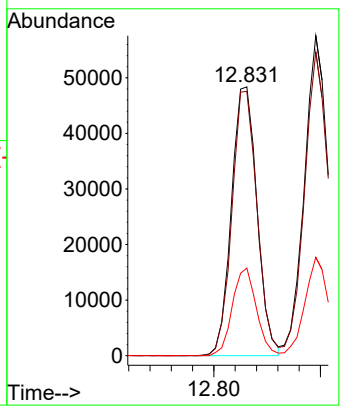


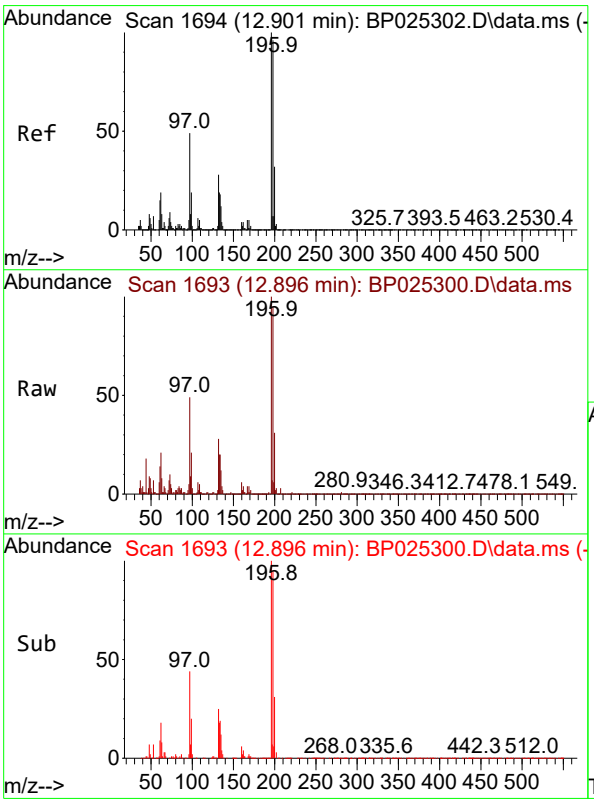
#43
2,4,6-Trichlorophenol
Concen: 8.532 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 80839

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.3	115.9
200	32.6	25.4	38.2

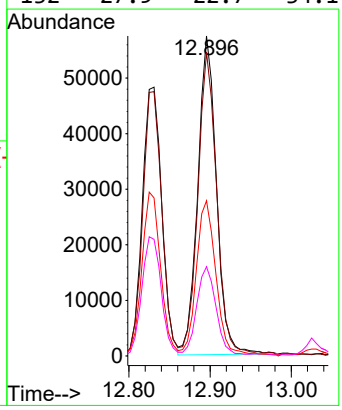


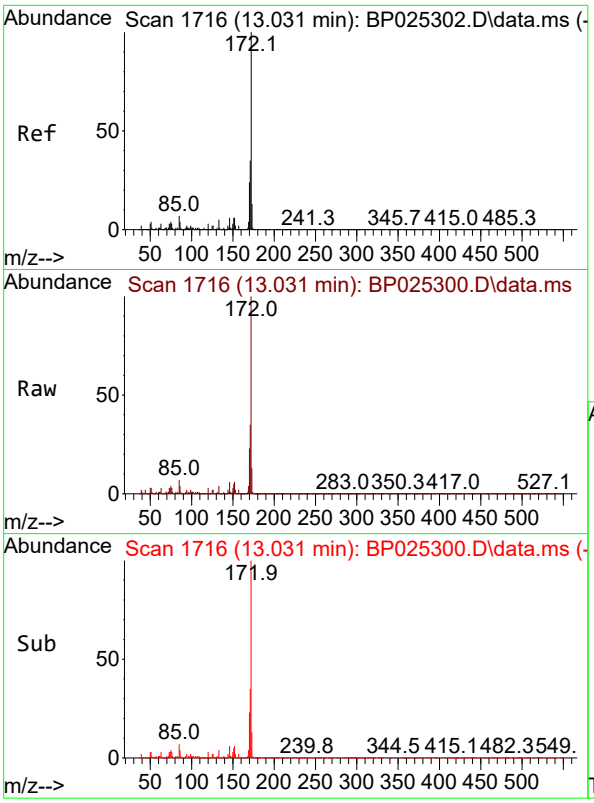


#44
2,4,5-Trichlorophenol
Concen: 8.648 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:196 Resp: 91922

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.6	114.8
97	48.5	39.5	59.3
132	27.9	22.7	34.1



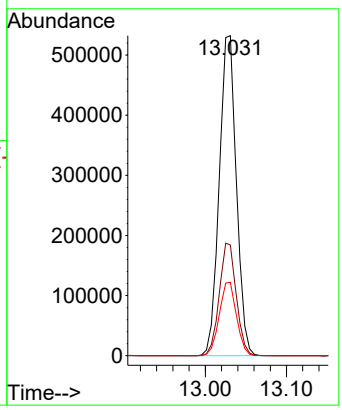


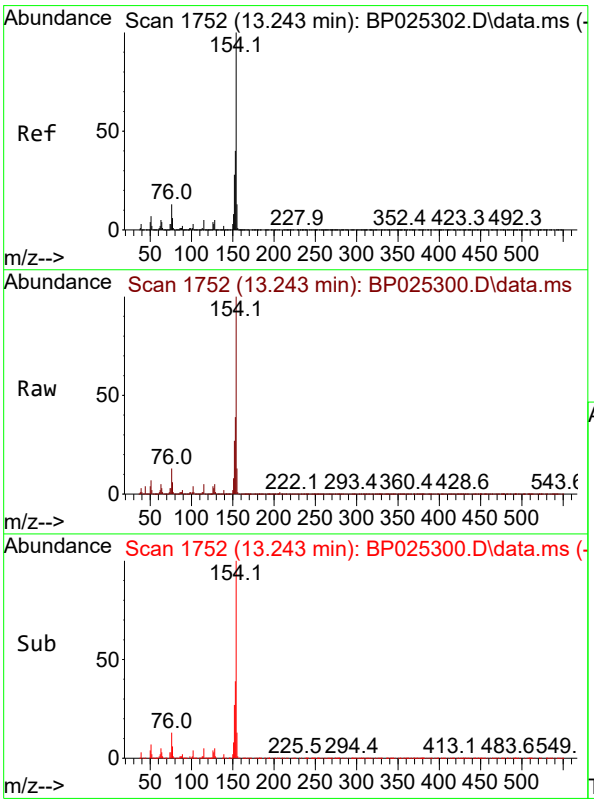
#45
2-Fluorobiphenyl
Concen: 20.174 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 780489

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	22.9	18.9	28.3

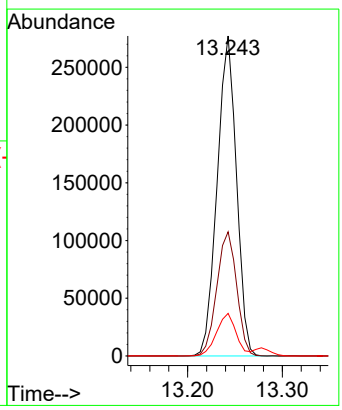


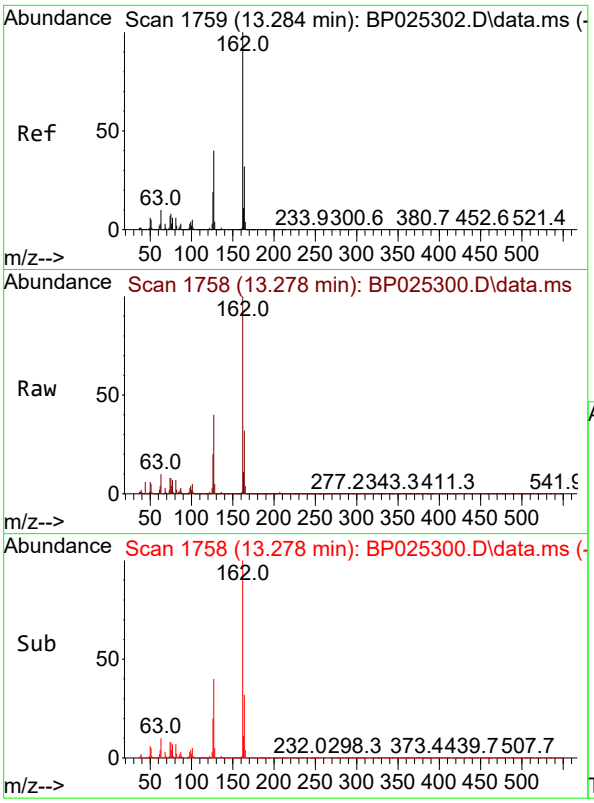


#46
1,1'-Biphenyl
Concen: 9.911 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:154 Resp: 392401

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.9	59.9
76	13.3	0.0	33.2



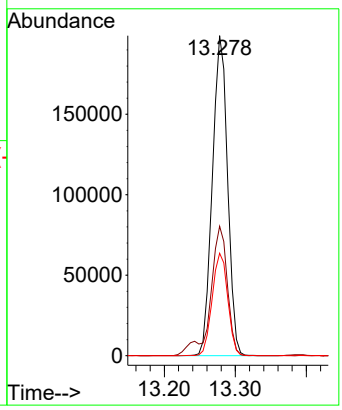


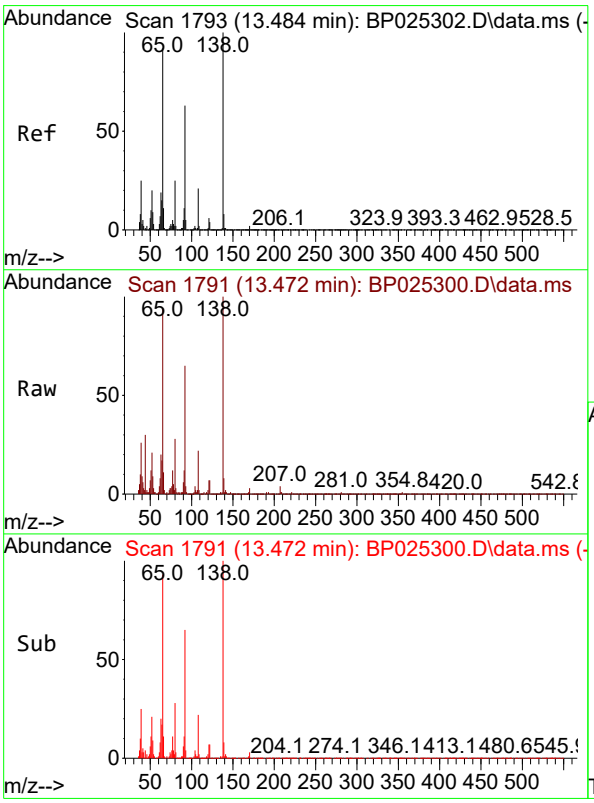
#47
2-Chloronaphthalene
Concen: 9.768 ng
RT: 13.278 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 295035

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.2	48.2
164	32.0	25.9	38.9

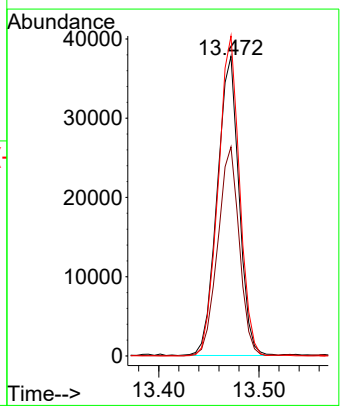


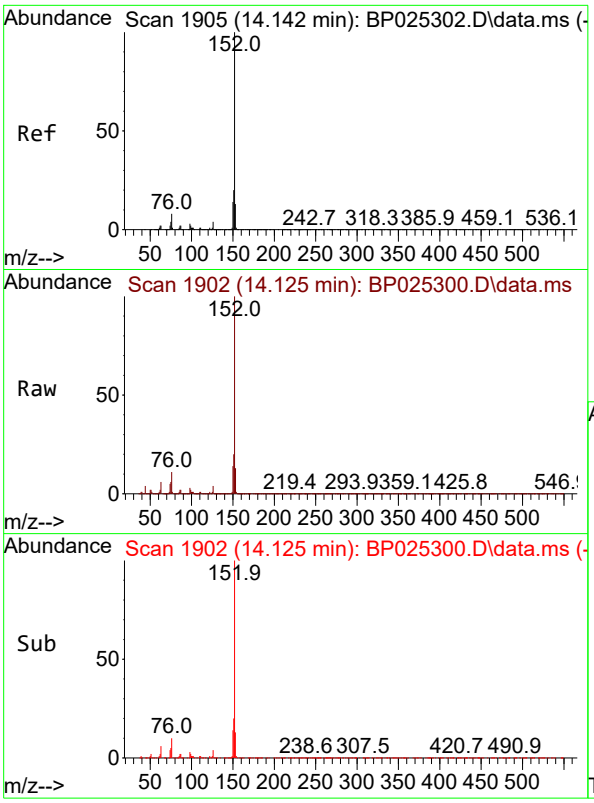


#48
2-Nitroaniline
Concen: 9.002 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion: 65 Resp: 56938

Ion	Ratio	Lower	Upper
65	100		
92	69.8	54.4	81.6
138	106.8	87.0	130.4



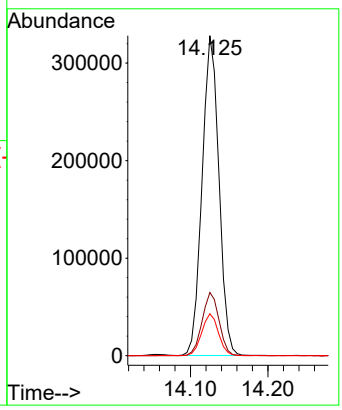


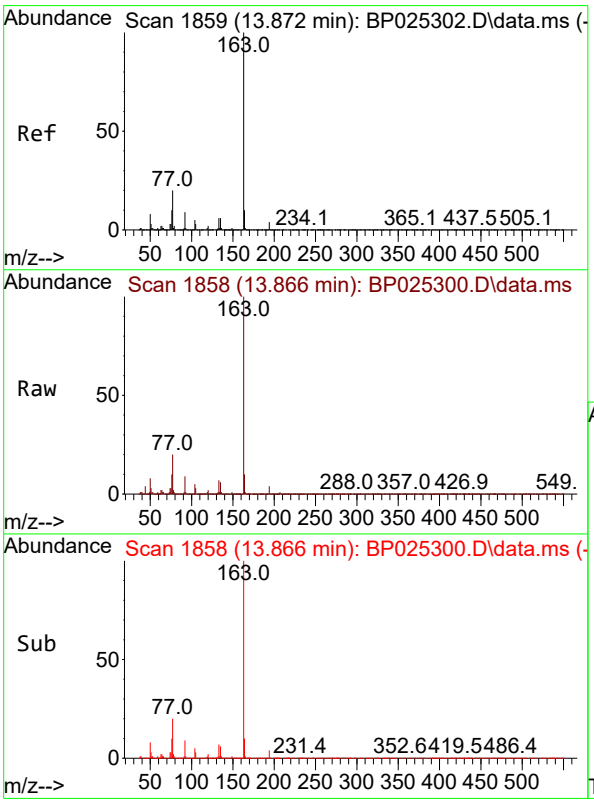
#49
Acenaphthylene
Concen: 9.817 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 494624

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.1	10.4	15.6

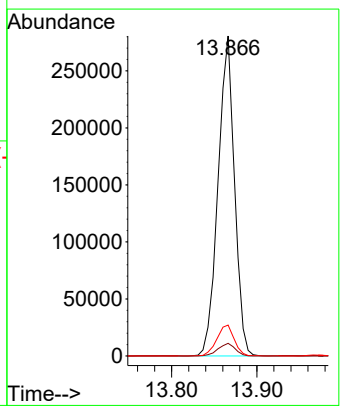


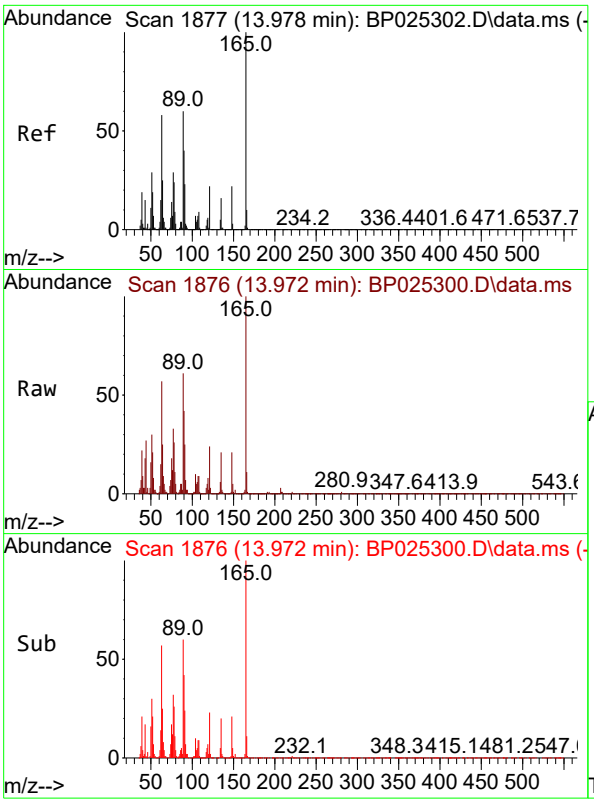


#50
Dimethylphthalate
Concen: 9.624 ng
RT: 13.866 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:163 Resp: 376892

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.0	12.0



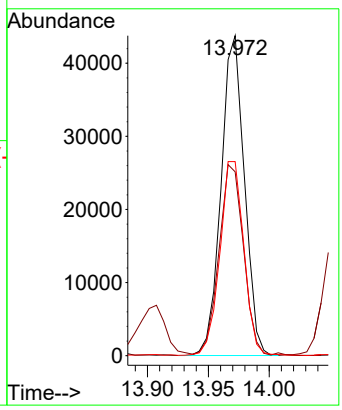


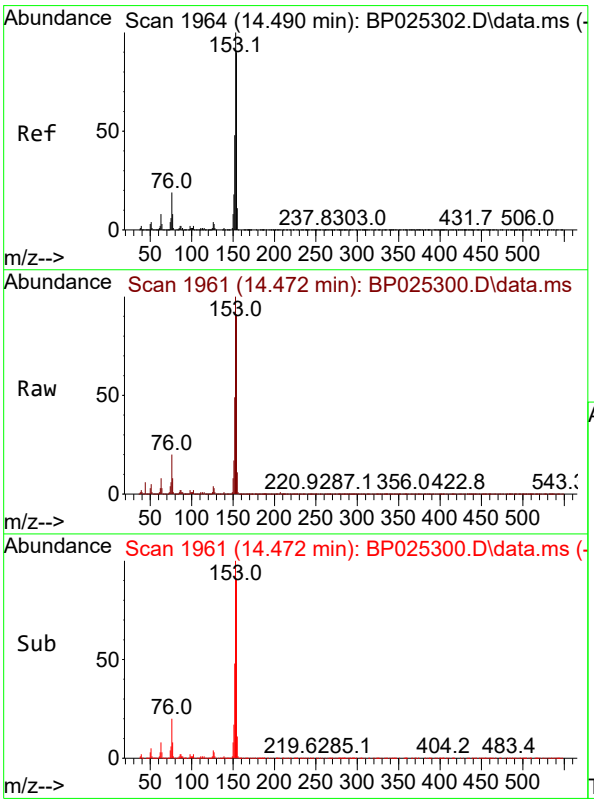
#51
2,6-Dinitrotoluene
Concen: 8.085 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 58404

Ion	Ratio	Lower	Upper
165	100		
63	57.4	47.6	71.4
89	60.6	47.8	71.8

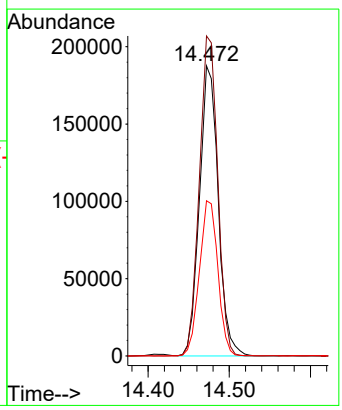


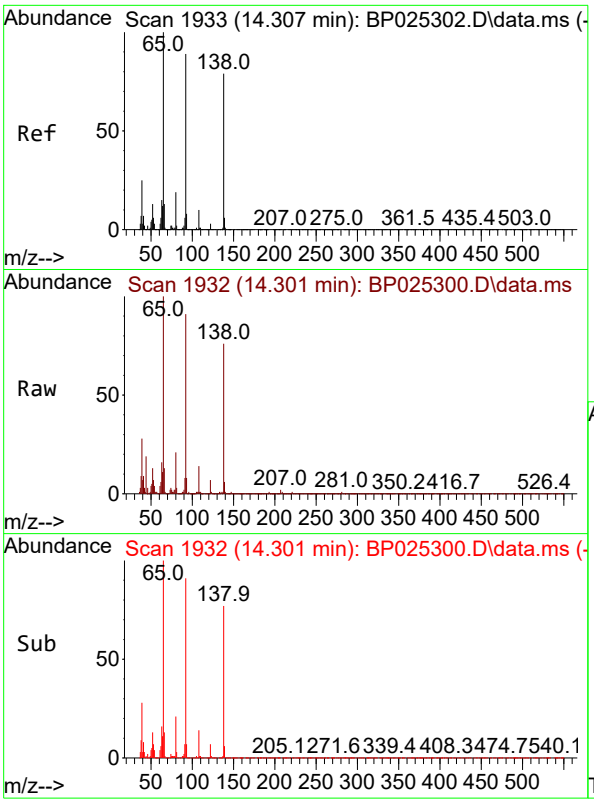


#52
Acenaphthene
Concen: 9.790 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:154 Resp: 300858

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.4	134.0
152	53.5	43.0	64.6



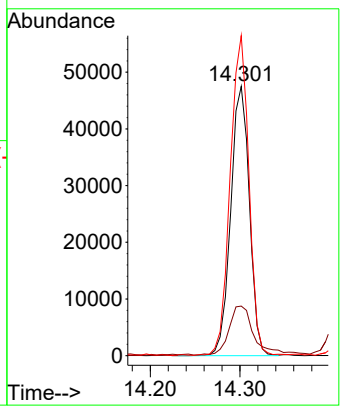


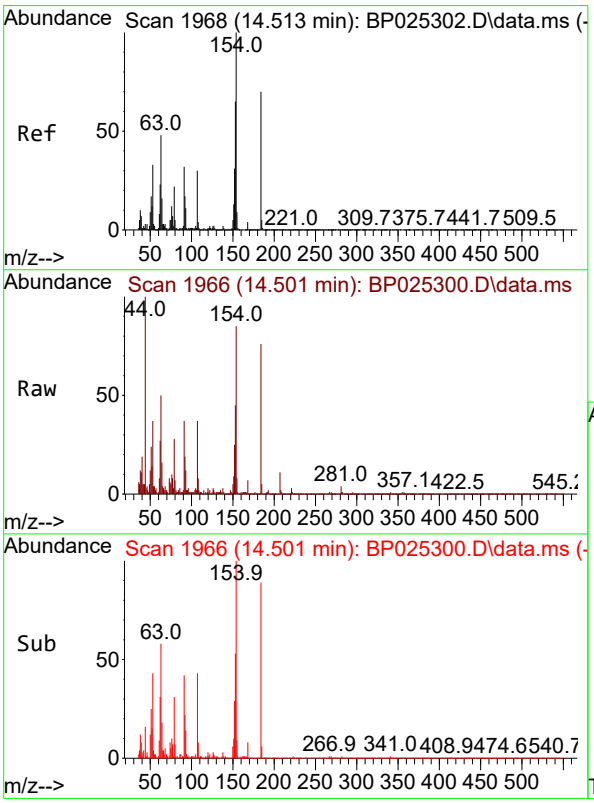
#53
3-Nitroaniline
Concen: 8.123 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 68662

Ion	Ratio	Lower	Upper
138	100		
108	18.4	10.5	15.7#
92	118.8	90.9	136.3

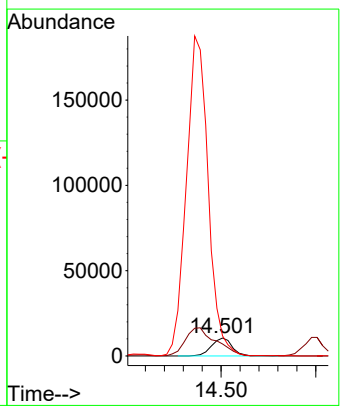


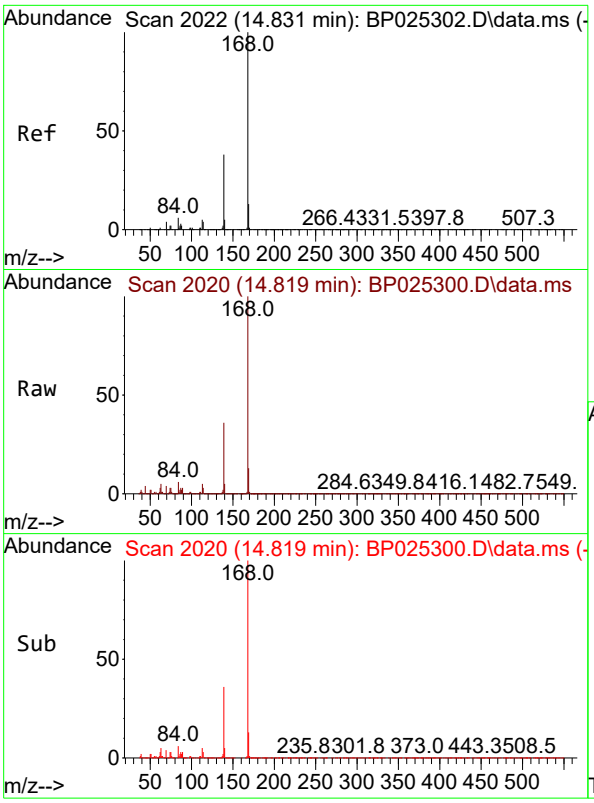


#54
2,4-Dinitrophenol
Concen: 9.839 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:184 Resp: 15825

Ion	Ratio	Lower	Upper
184	100		
63	66.6	56.3	84.5
154	112.6	124.5	186.7#



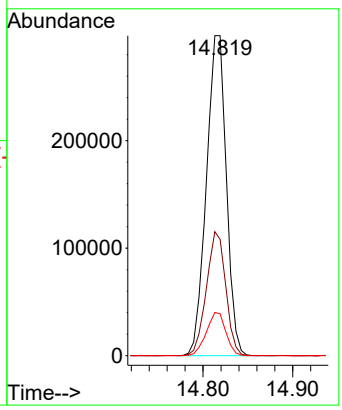


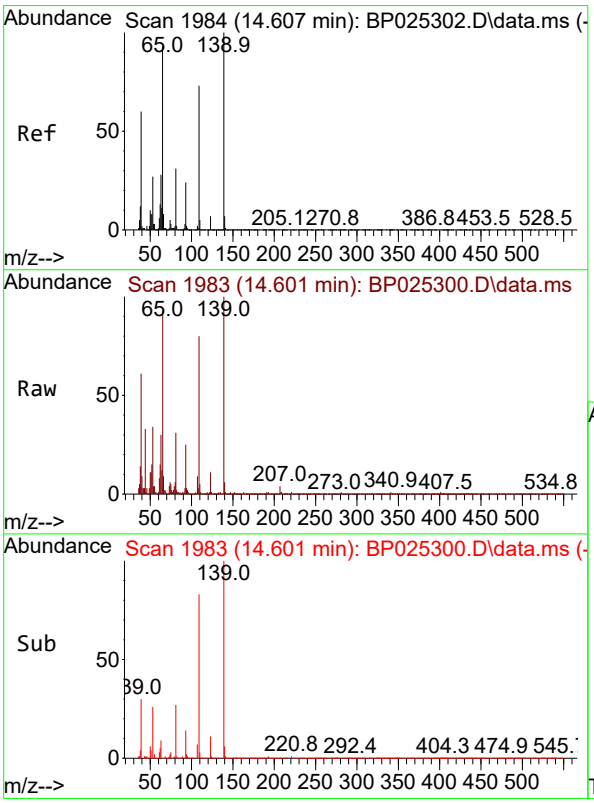
#55
Dibenzofuran
Concen: 10.010 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 459701

Ion	Ratio	Lower	Upper
168	100		
139	36.3	30.5	45.7
169	13.1	10.6	15.8

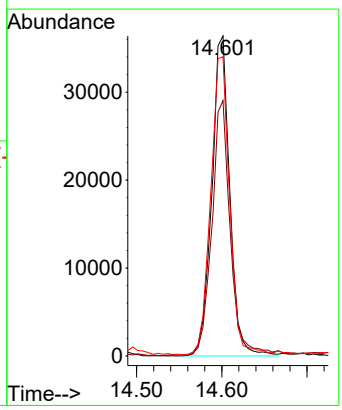


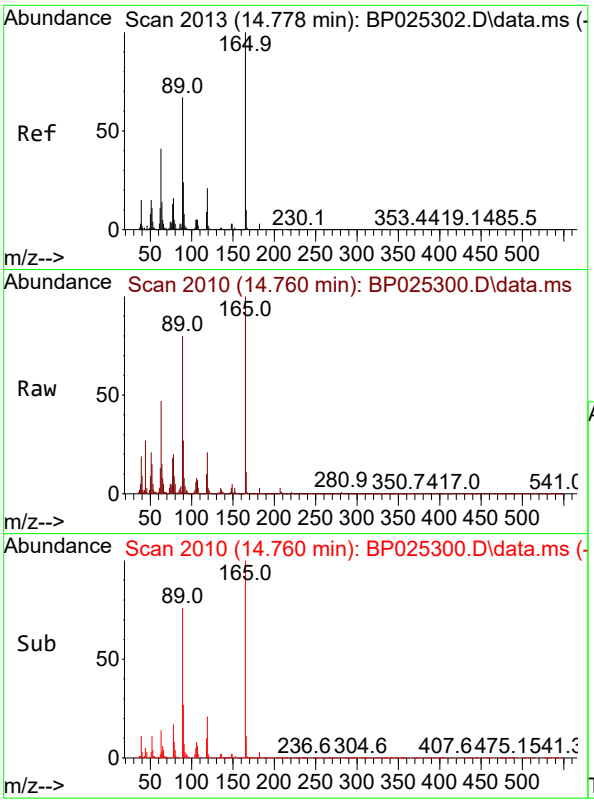


#56
4-Nitrophenol
Concen: 7.162 ng
RT: 14.601 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:139 Resp: 53432

Ion	Ratio	Lower	Upper
139	100		
109	79.8	52.7	92.7
65	93.5	73.4	113.4



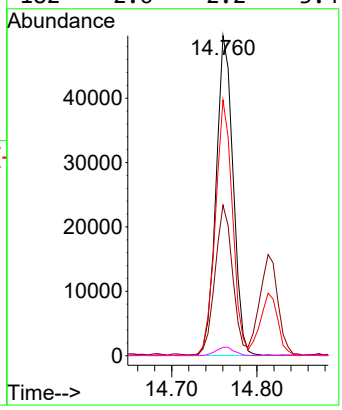


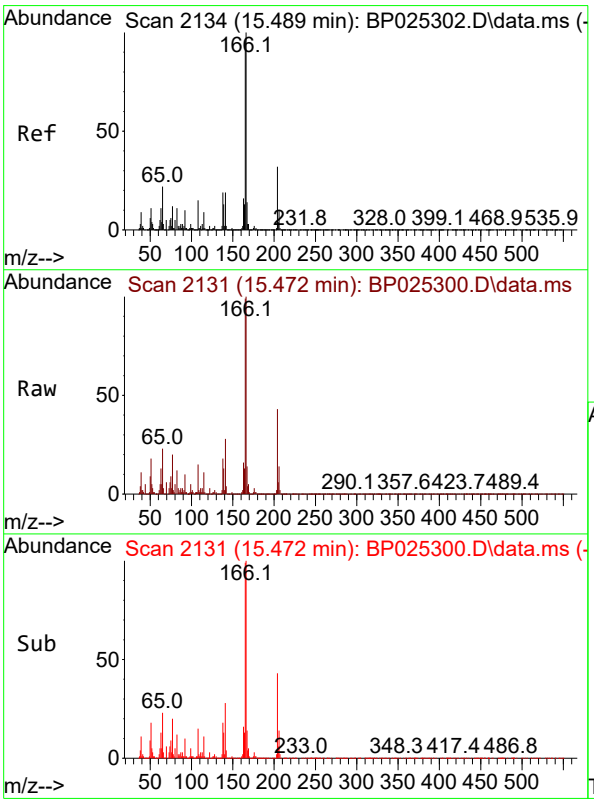
#57
2,4-Dinitrotoluene
Concen: 9.001 ng
RT: 14.760 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 69027

Ion	Ratio	Lower	Upper
165	100		
63	47.0	33.2	49.8
89	79.9	53.5	80.3
182	2.6	2.2	3.4

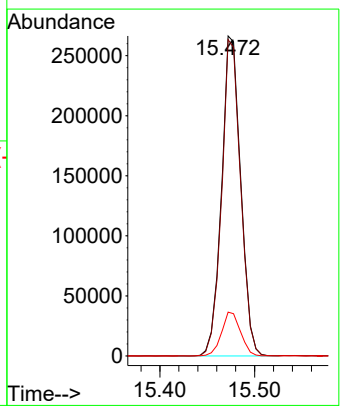


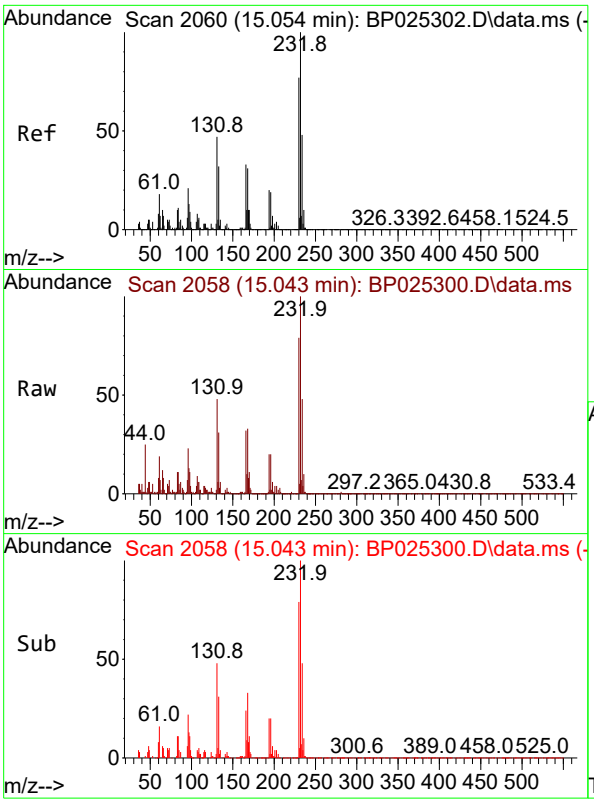


#58
Fluorene
Concen: 10.408 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:166 Resp: 375406

Ion	Ratio	Lower	Upper
166	100		
165	98.9	76.7	115.1
167	13.7	10.9	16.3



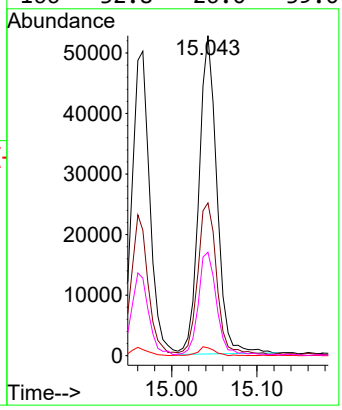


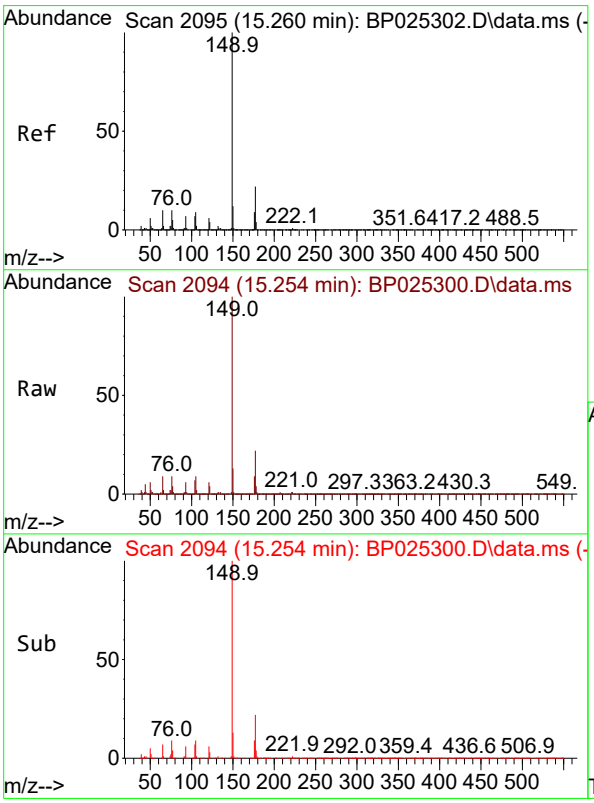
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.599 ng
RT: 15.043 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 76798

Ion	Ratio	Lower	Upper
232	100		
131	50.4	39.3	58.9
130	2.5	2.2	3.2
166	32.8	26.0	39.0

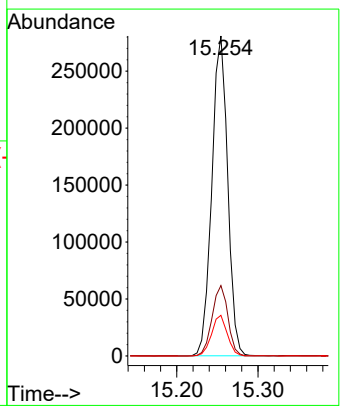


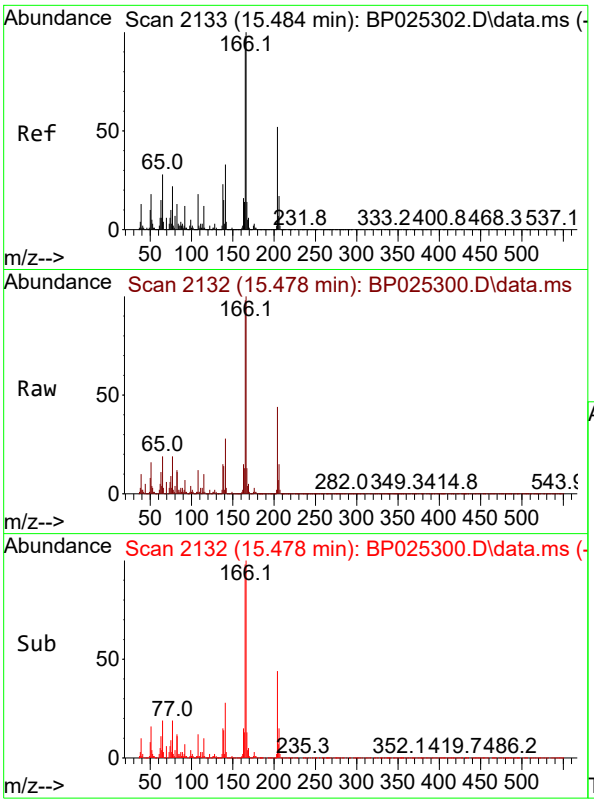


#60
Diethylphthalate
Concen: 9.631 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 380275

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.7	9.8	14.8



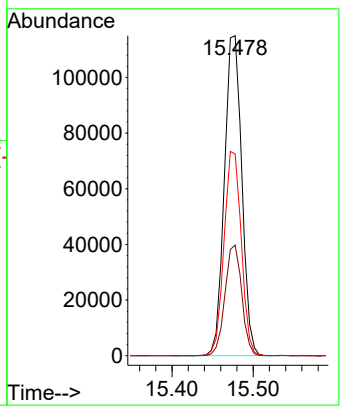


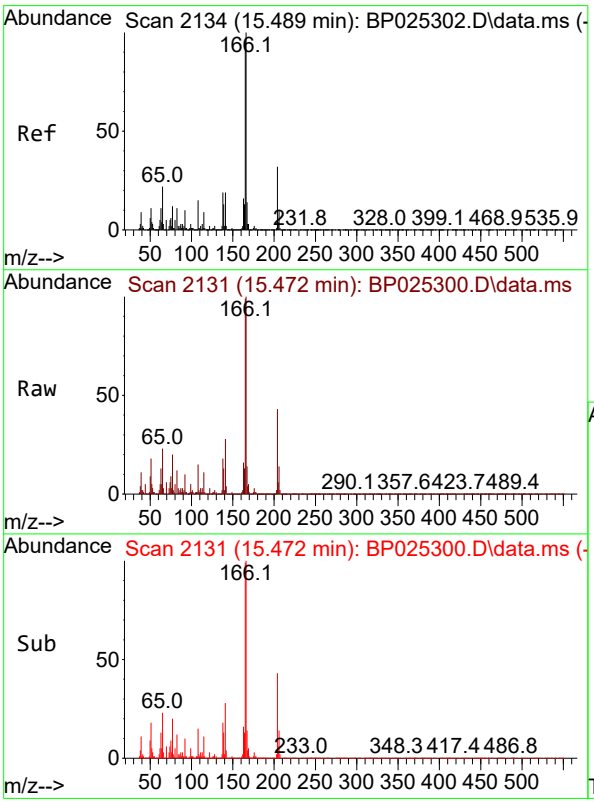
#61
4-Chlorophenyl-phenylether
Concen: 10.026 ng
RT: 15.478 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 171438

Ion	Ratio	Lower	Upper
204	100		
206	34.6	27.0	40.4
141	63.0	50.3	75.5

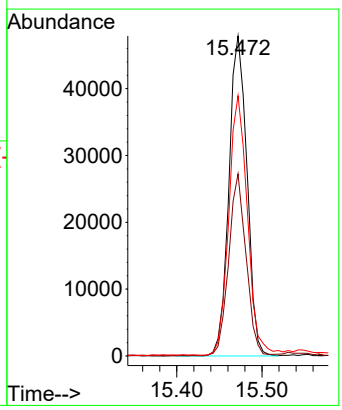


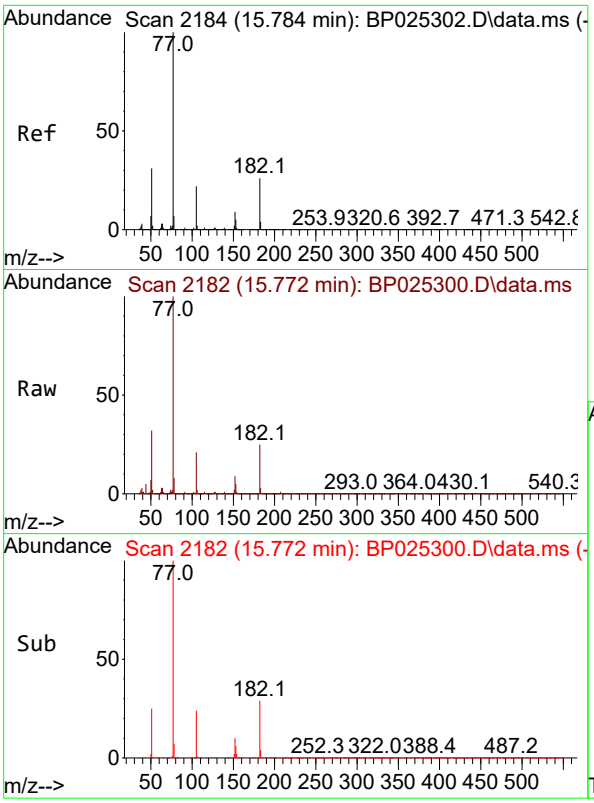


#62
4-Nitroaniline
Concen: 8.428 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:138 Resp: 70585

Ion	Ratio	Lower	Upper
138	100		
92	56.9	29.8	69.8
108	81.3	56.6	96.6



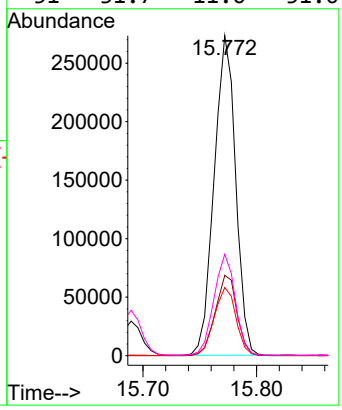


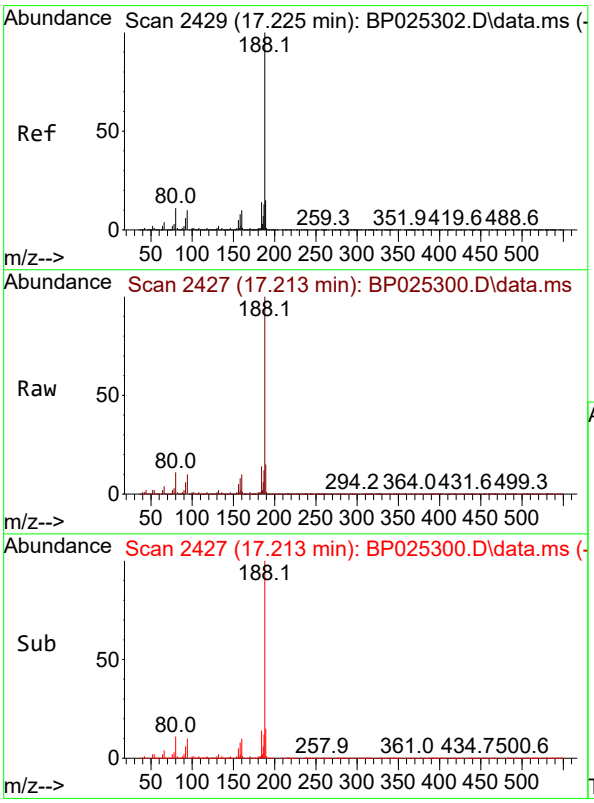
#63
Azobenzene
Concen: 9.811 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 359853

Ion	Ratio	Lower	Upper
77	100		
182	25.1	6.0	46.0
105	21.3	2.1	42.1
51	31.7	11.0	51.0

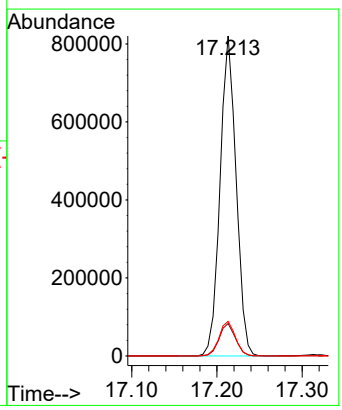


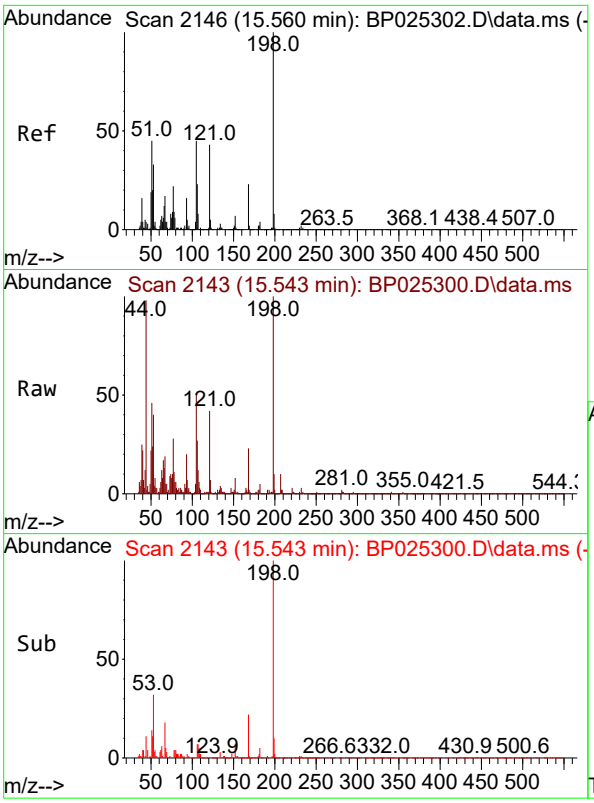


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:188 Resp: 1073622

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	10.8	8.5	12.7



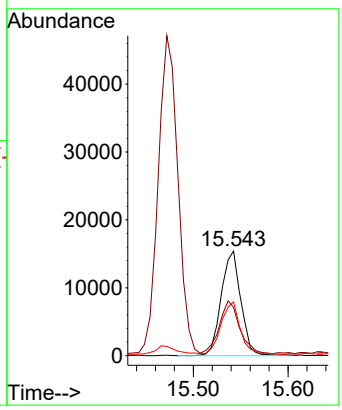


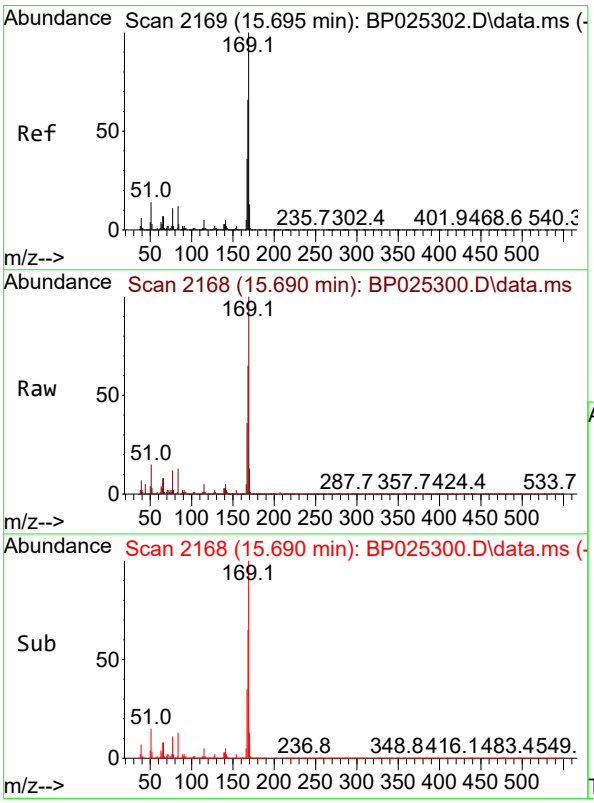
#65
4,6-Dinitro-2-methylphenol
Concen: 10.172 ng
RT: 15.543 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 22067

Ion	Ratio	Lower	Upper
198	100		
51	46.2	26.7	66.7
105	51.3	25.6	65.6

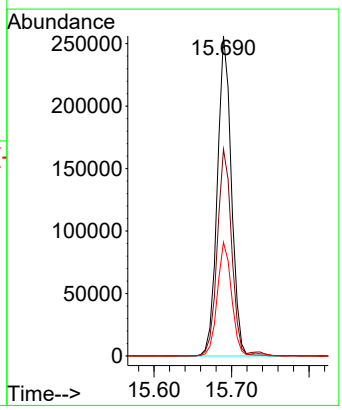


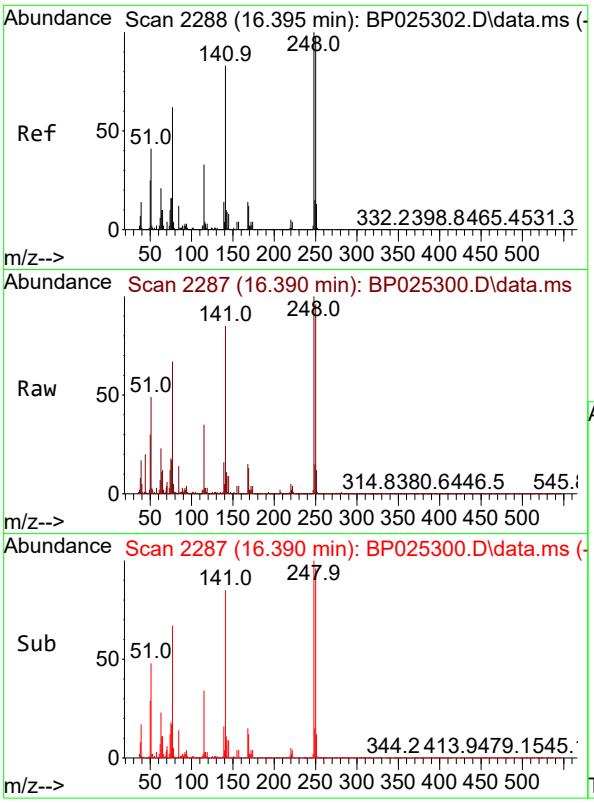


#66
n-Nitrosodiphenylamine
Concen: 9.868 ng
RT: 15.690 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:169 Resp: 322596

Ion	Ratio	Lower	Upper
169	100		
168	64.6	52.8	79.2
167	35.5	28.5	42.7



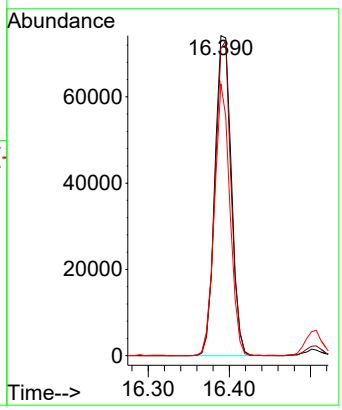


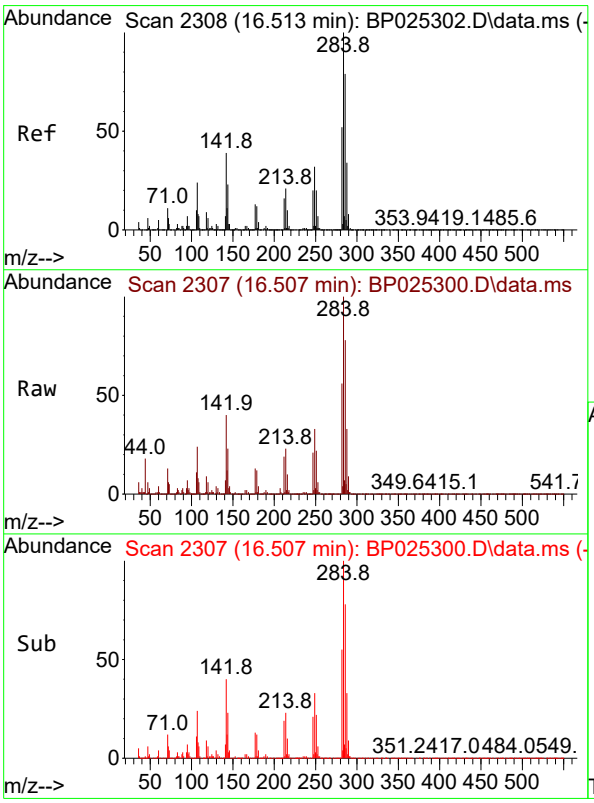
#67
4-Bromophenyl-phenylether
Concen: 9.662 ng
RT: 16.390 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 104373

Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.6	117.8
141	84.9	66.6	99.8

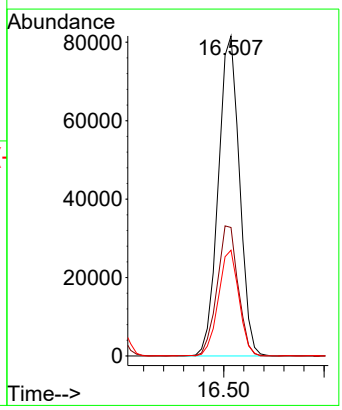


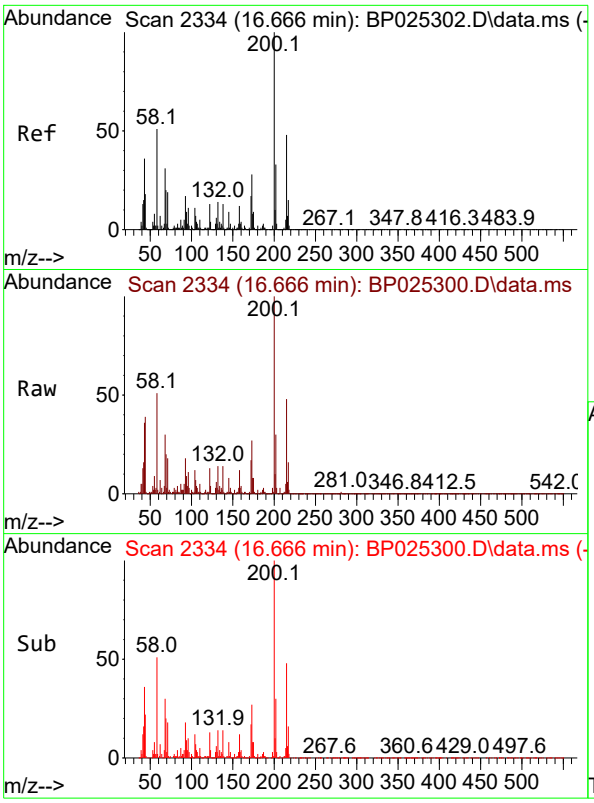


#68
Hexachlorobenzene
Concen: 9.848 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:284 Resp: 119372

Ion	Ratio	Lower	Upper
284	100		
142	40.1	30.8	46.2
249	33.1	25.4	38.0



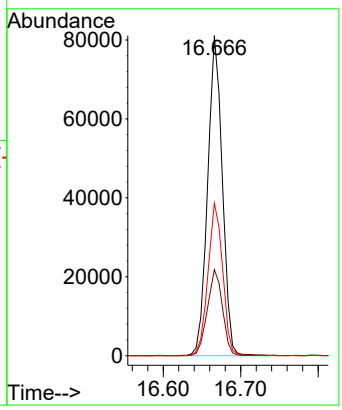


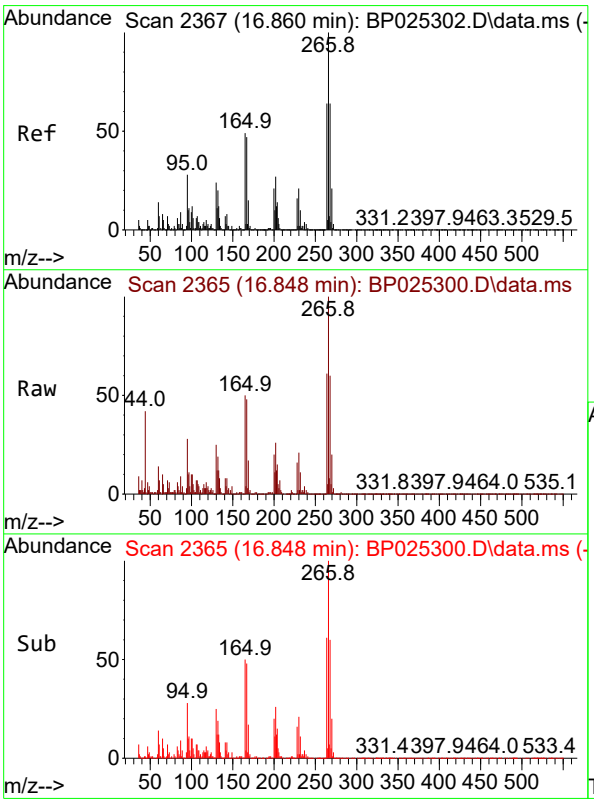
#69
Atrazine
Concen: 9.287 ng
RT: 16.666 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 106765

Ion	Ratio	Lower	Upper
200	100		
173	26.9	8.2	48.2
215	47.7	28.1	68.1

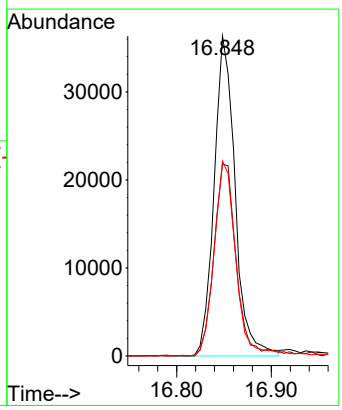


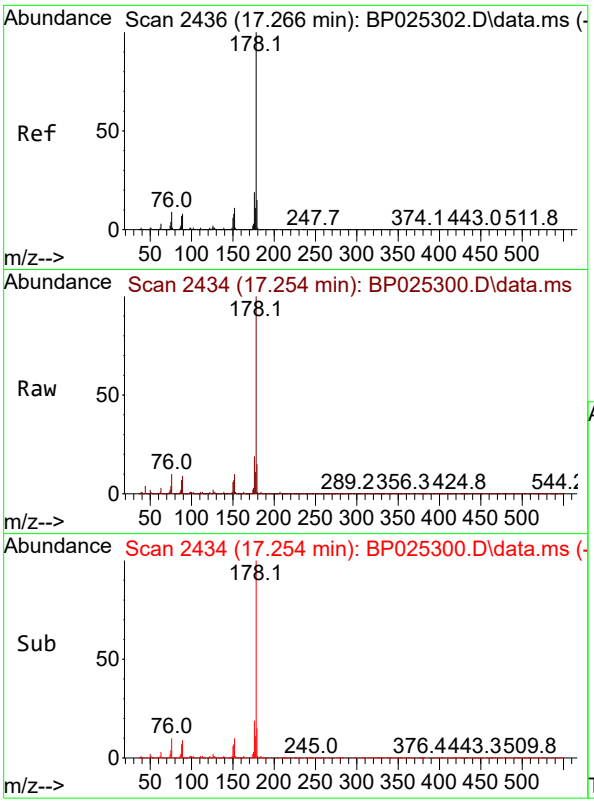


#70
Pentachlorophenol
Concen: 7.240 ng
RT: 16.848 min Scan# 2365
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:266 Resp: 55907

Ion	Ratio	Lower	Upper
266	100		
268	59.9	51.4	77.0
264	60.9	51.1	76.7



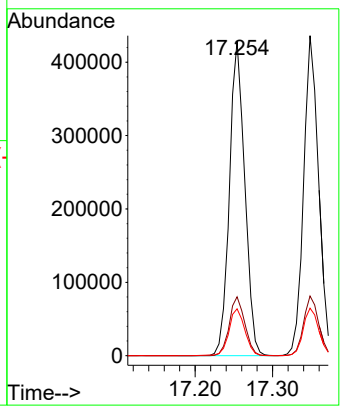


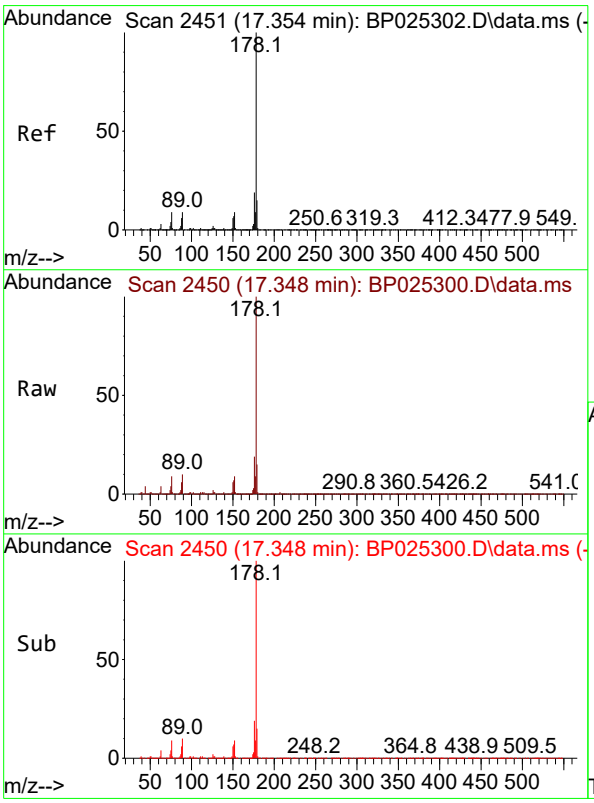
#71
Phenanthrene
Concen: 10.048 ng
RT: 17.254 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 590839

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	14.9	12.1	18.1

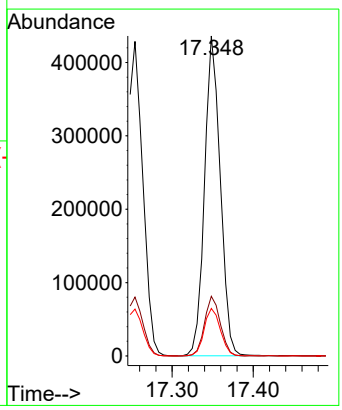


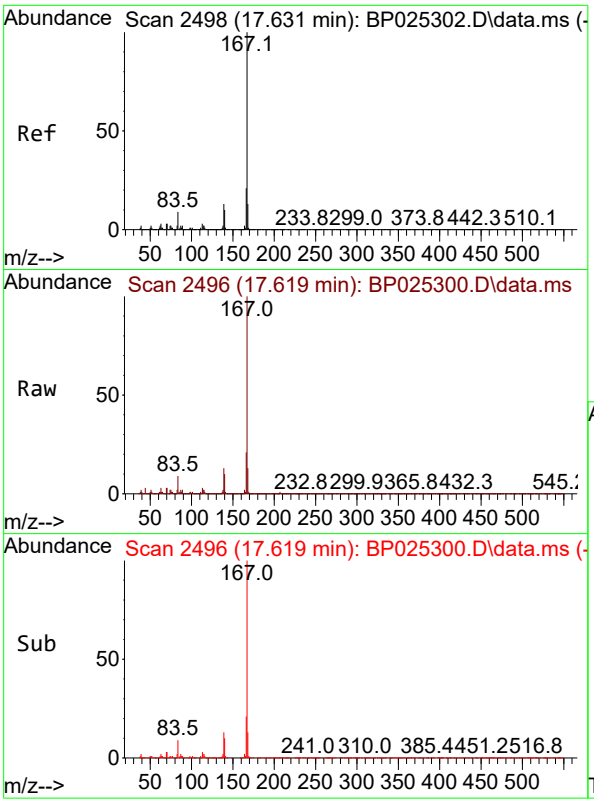


#72
Anthracene
Concen: 9.893 ng
RT: 17.348 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:178 Resp: 586562

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	14.9	12.3	18.5



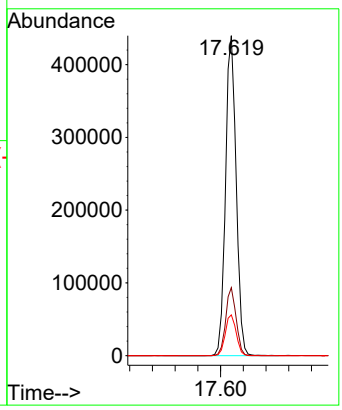


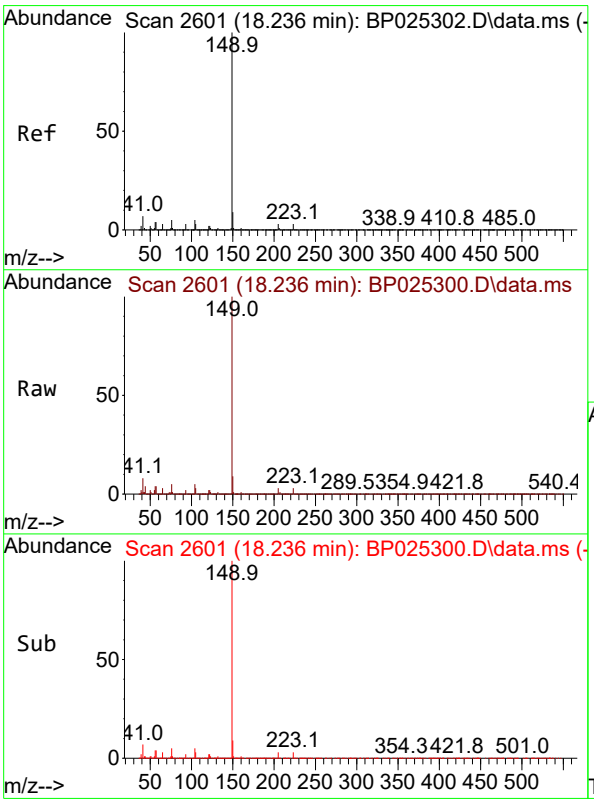
#73
Carbazole
Concen: 10.083 ng
RT: 17.619 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 573898

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.7	10.6	16.0

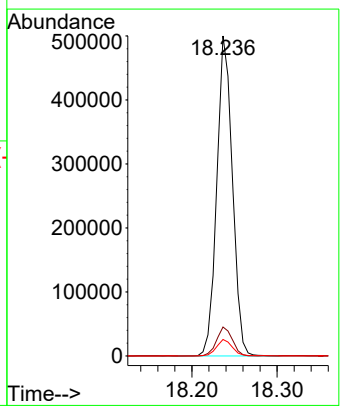


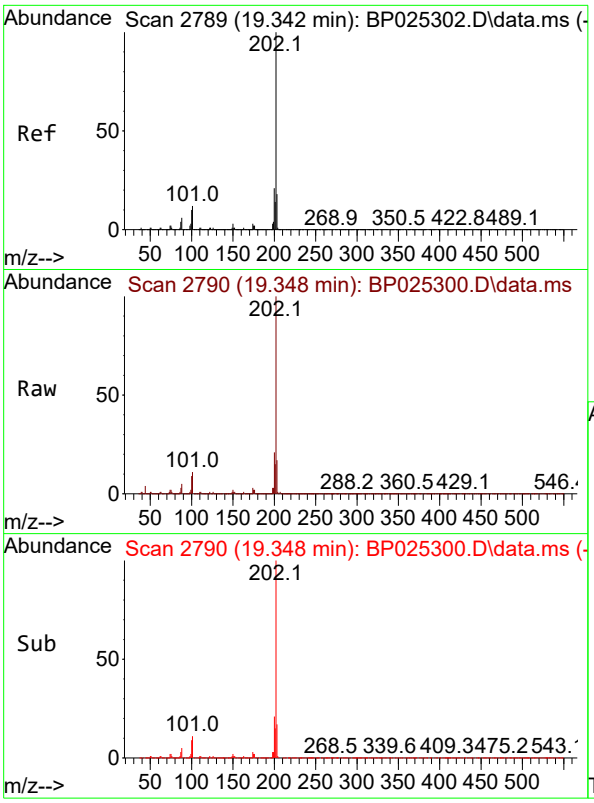


#74
Di-n-butylphthalate
Concen: 9.262 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 637721

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.2	4.1	6.1



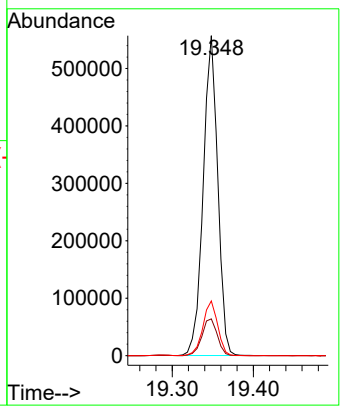


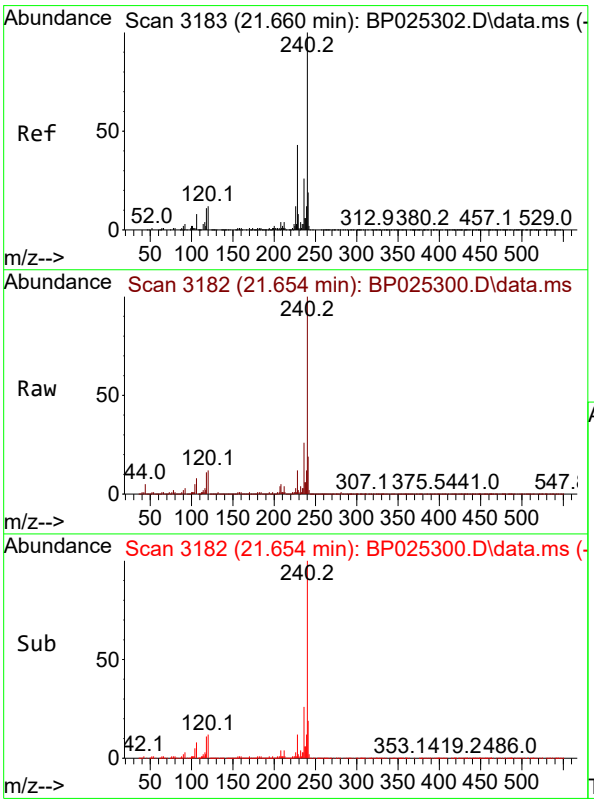
#75
Fluoranthene
Concen: 10.159 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 691537

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.1	0.0	37.6

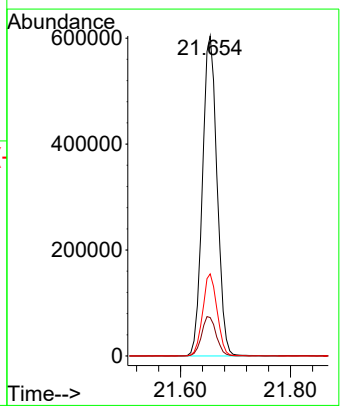


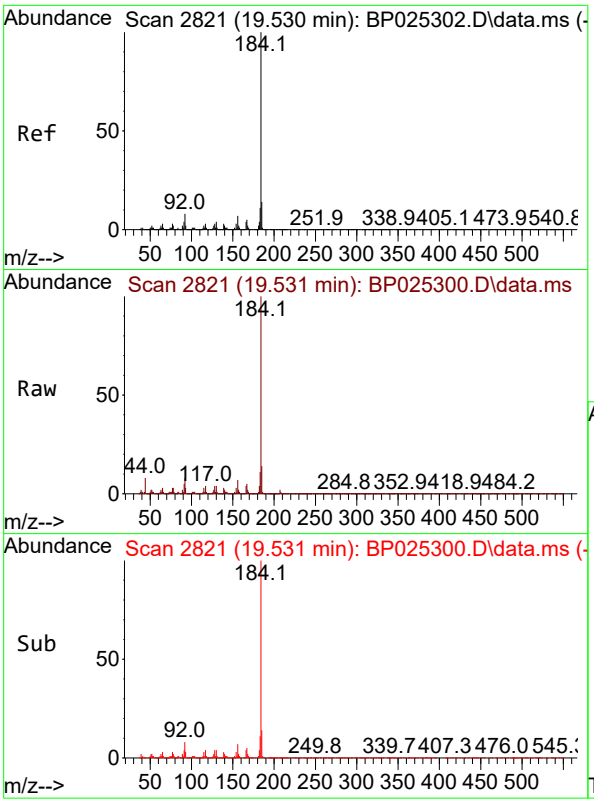


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:240 Resp: 1112736

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.7	20.4	30.6



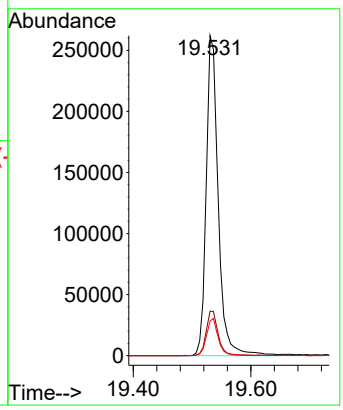


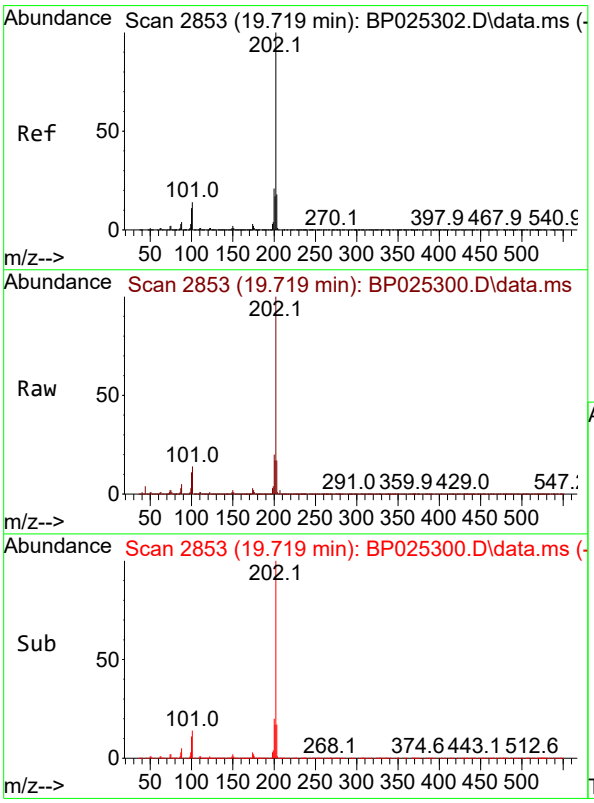
#77
Benzidine
Concen: 9.234 ng
RT: 19.531 min Scan# 2
Delta R.T. 0.001 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 371909

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.0	16.6
183	10.8	9.2	13.8

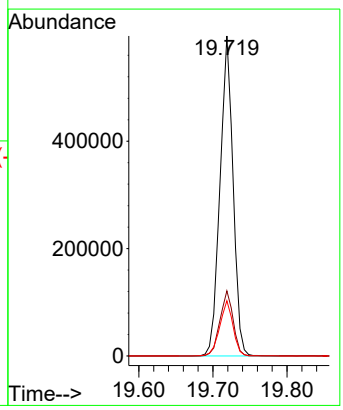


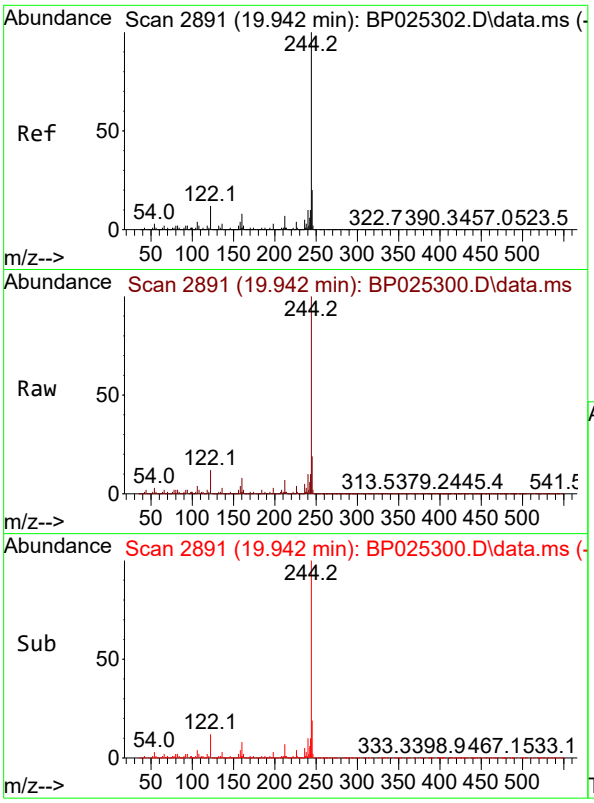


#78
Pyrene
Concen: 9.876 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:202 Resp: 730793

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	17.2	14.1	21.1



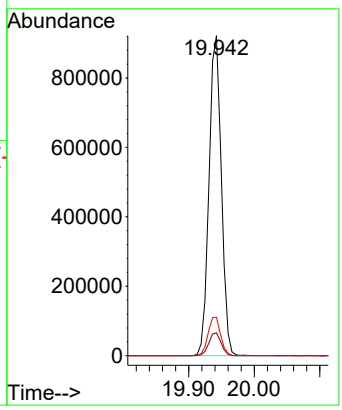


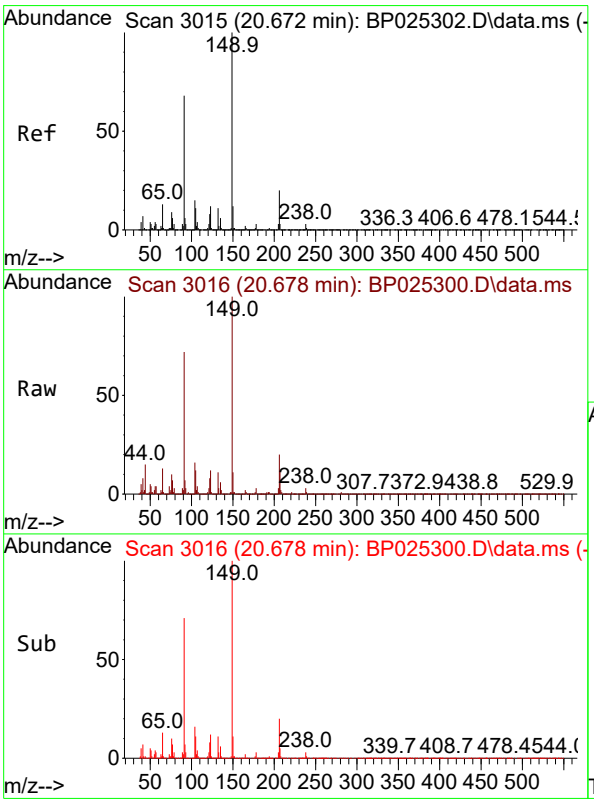
#79
Terphenyl-d14
Concen: 20.452 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1204621

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.1	9.5	14.3

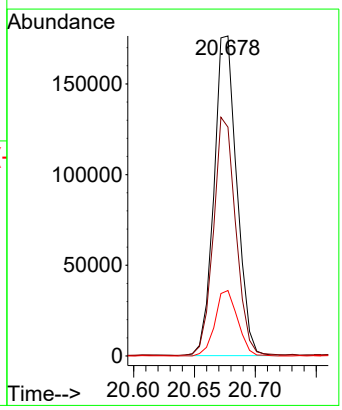


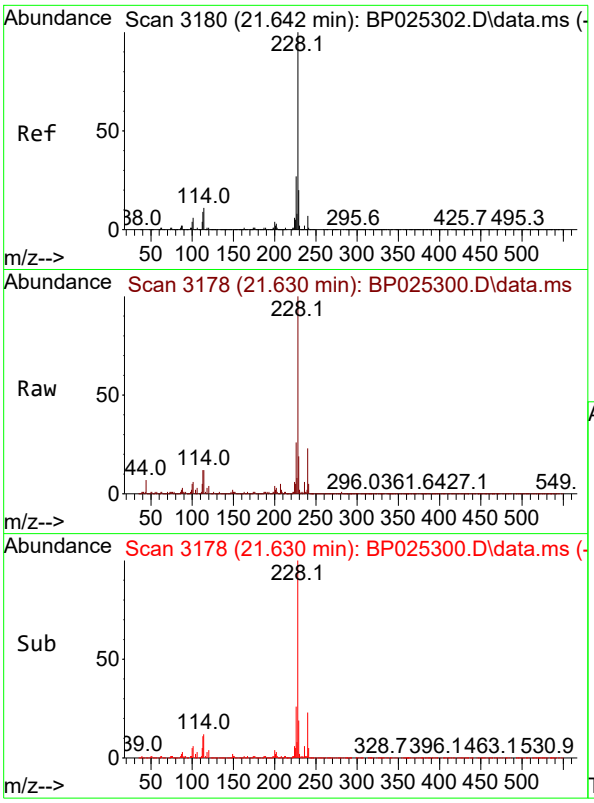


#80
Butylbenzylphthalate
Concen: 7.663 ng
RT: 20.678 min Scan# 3016
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 229970

Ion	Ratio	Lower	Upper
149	100		
91	71.5	54.7	82.1
206	20.5	16.4	24.6



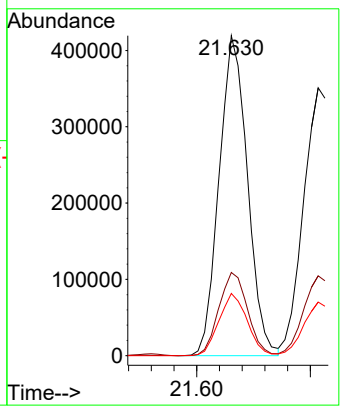


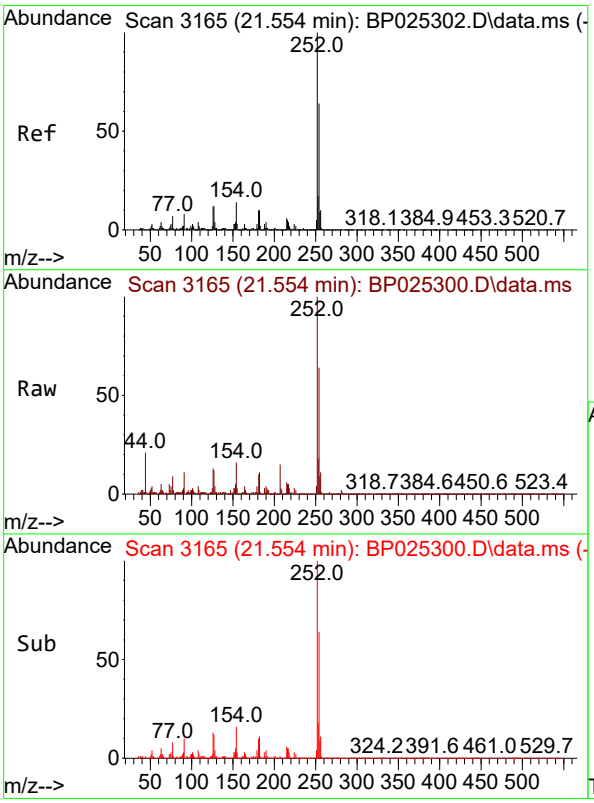
#81
Benzo(a)anthracene
Concen: 9.842 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 727727

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.8	32.8
229	19.4	16.0	24.0

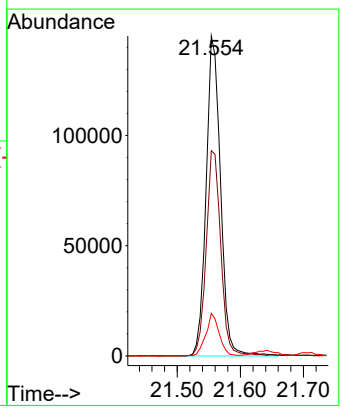


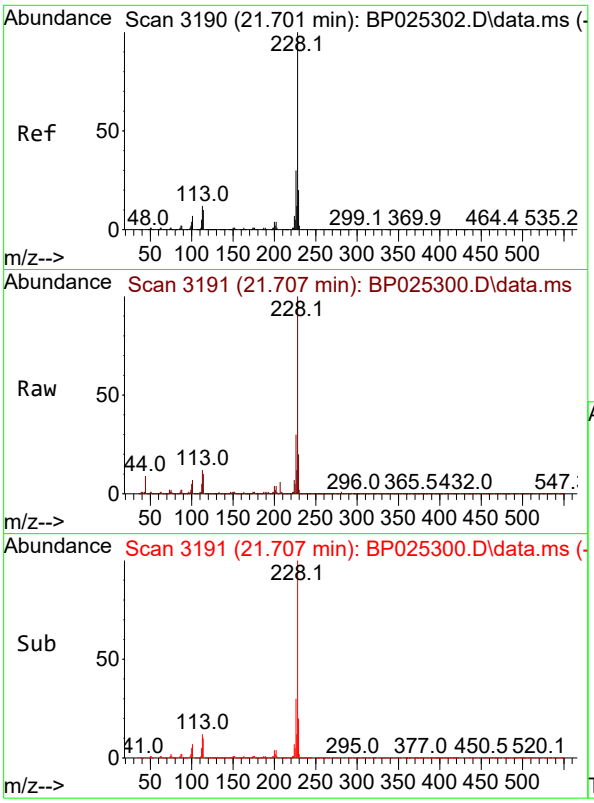


#82
3,3'-Dichlorobenzidine
Concen: 8.826 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 230264

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.0	76.6
126	13.4	9.4	14.2



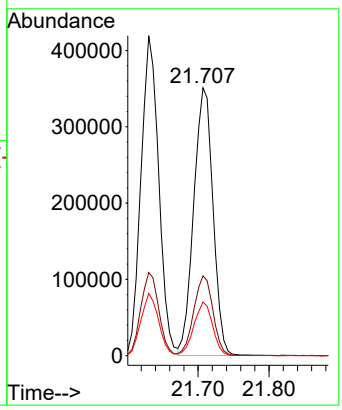


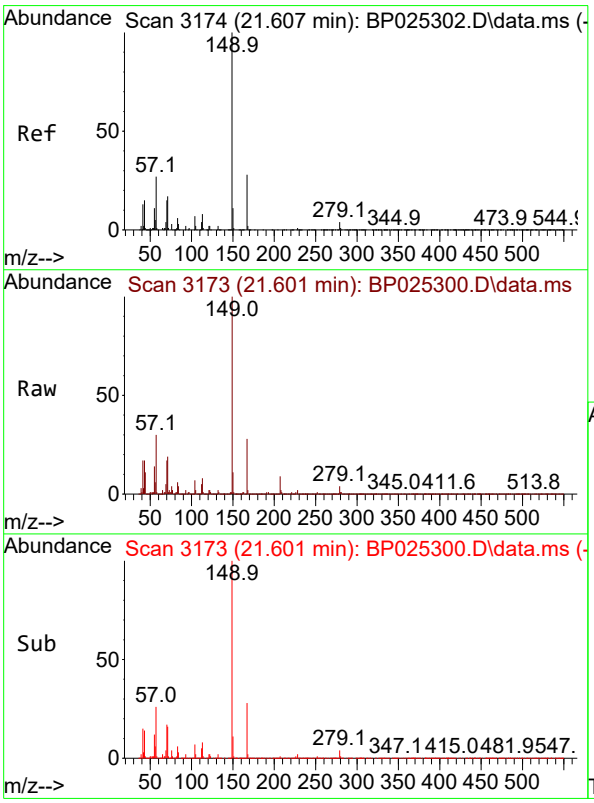
#83
Chrysene
Concen: 9.677 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 663697

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	20.0	15.9	23.9

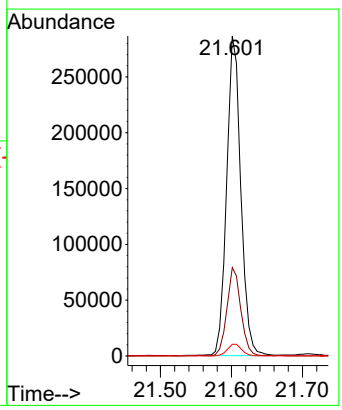


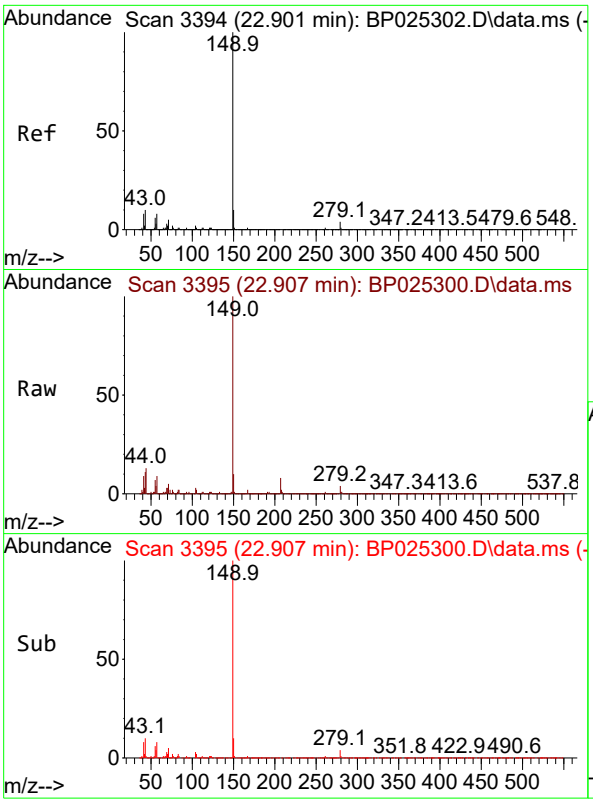


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.280 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:149 Resp: 396772

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.7	3.4	5.2



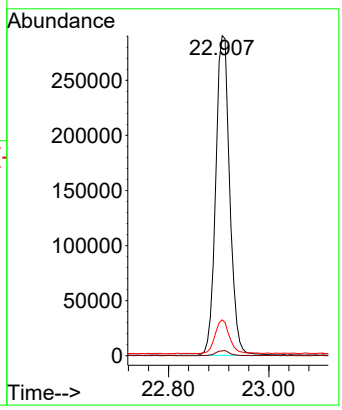


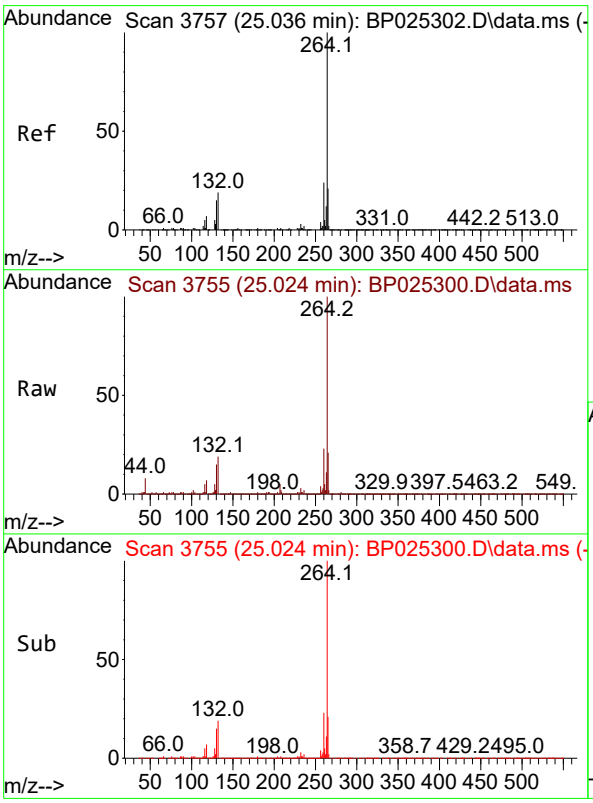
#85
Di-n-octyl phthalate
Concen: 7.010 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 562282

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	7.9	11.9

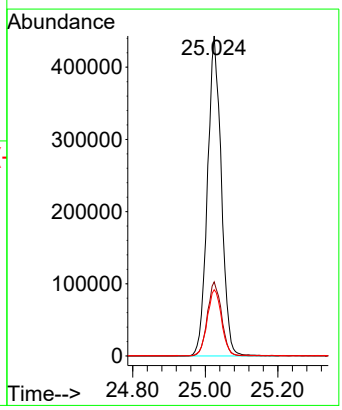


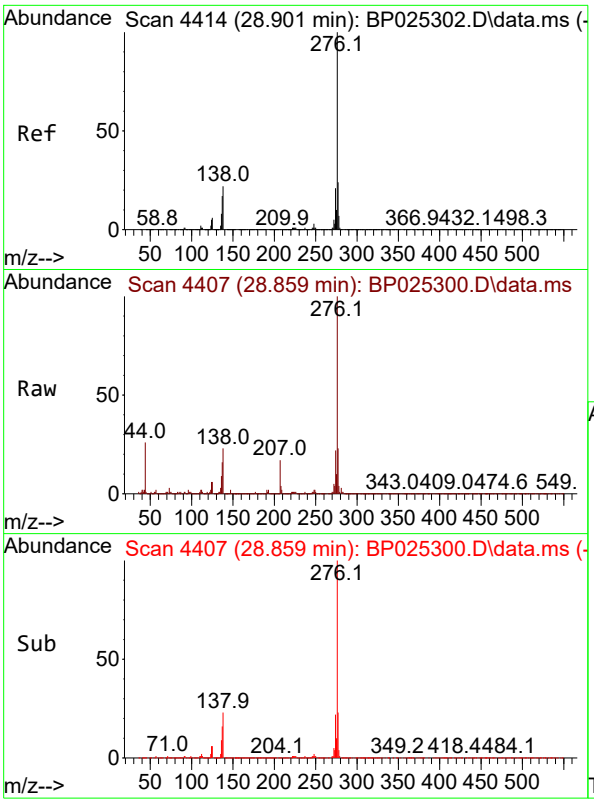


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:264 Resp: 1171338

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.7	17.1	25.7



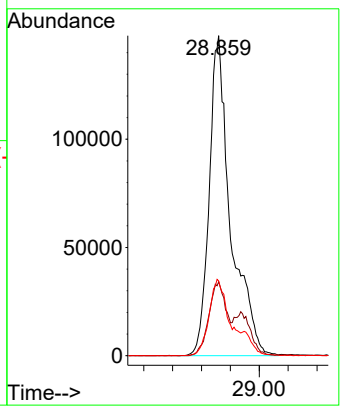


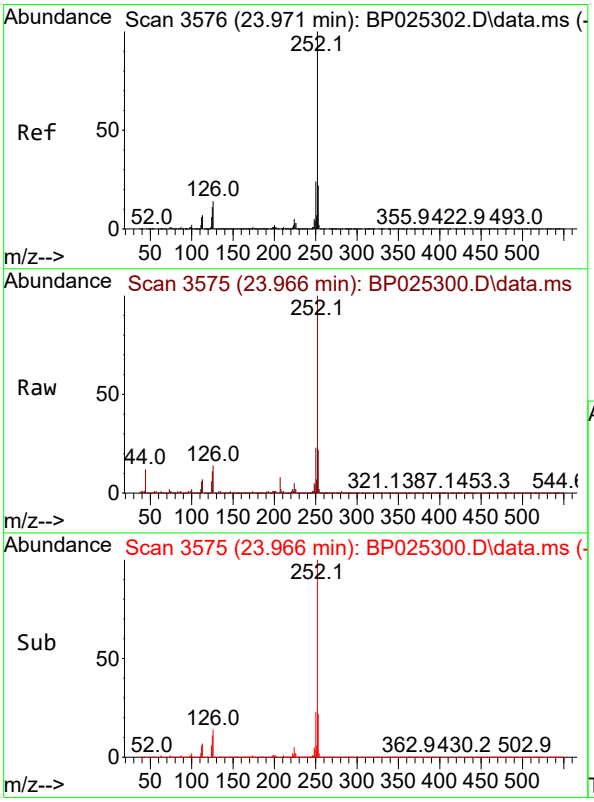
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.070 ng
RT: 28.859 min Scan# 4
Delta R.T. -0.042 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 762632

Ion	Ratio	Lower	Upper
276	100		
138	18.6	14.6	22.0
277	21.9	16.8	25.2

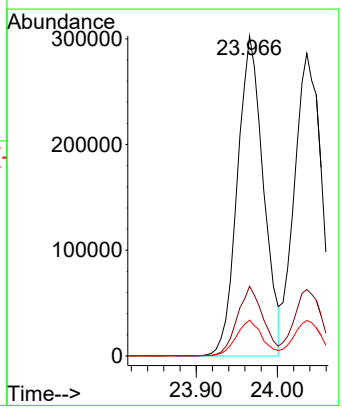


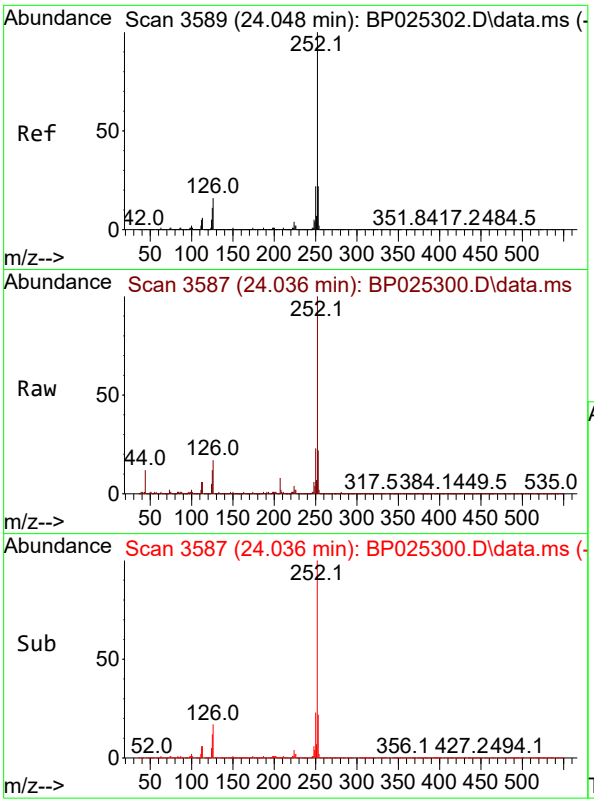


#88
Benzo(b)fluoranthene
Concen: 9.613 ng
RT: 23.966 min Scan# 3575
Delta R.T. -0.005 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 674021

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.2	8.5	12.7



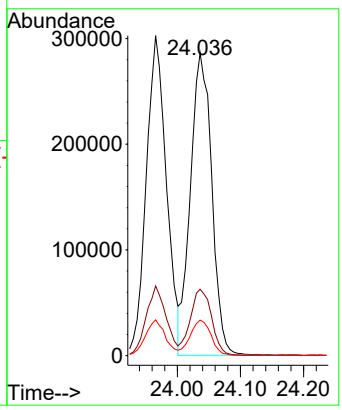


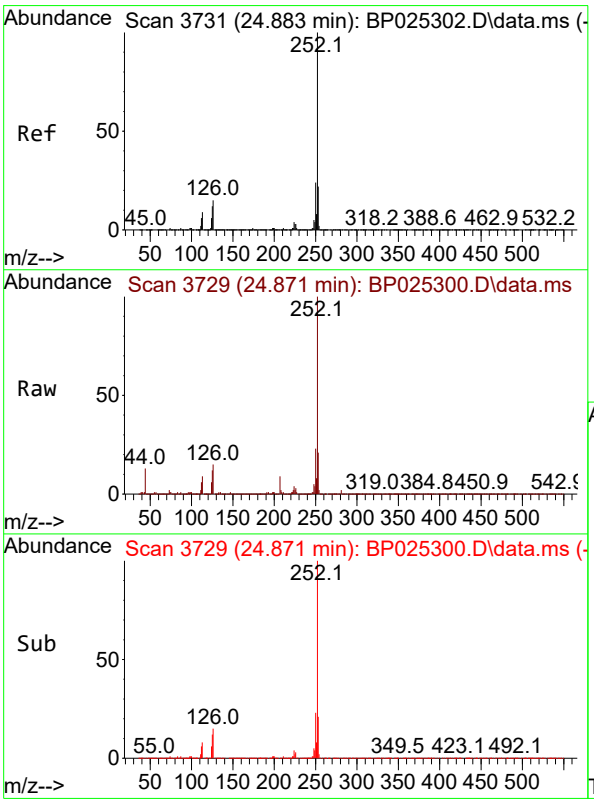
#89
Benzo(k)fluoranthene
Concen: 9.648 ng
RT: 24.036 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 670628

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.8	8.5	12.7

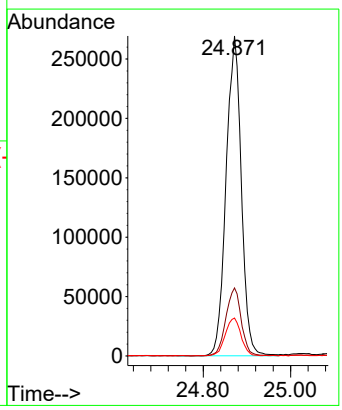


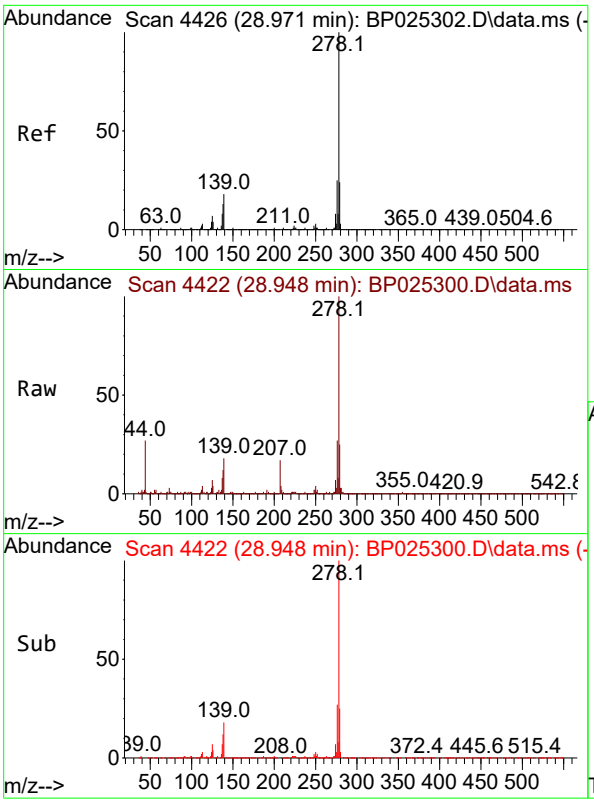


#90
Benzo(a)pyrene
Concen: 9.608 ng
RT: 24.871 min Scan# 3729
Delta R.T. -0.012 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:252 Resp: 648807

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	11.9	9.4	14.0



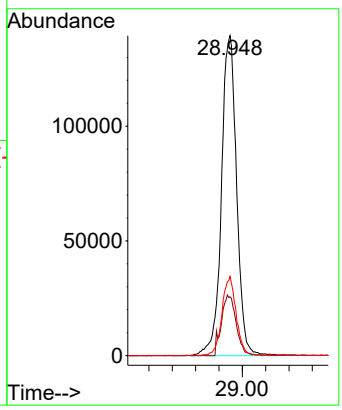


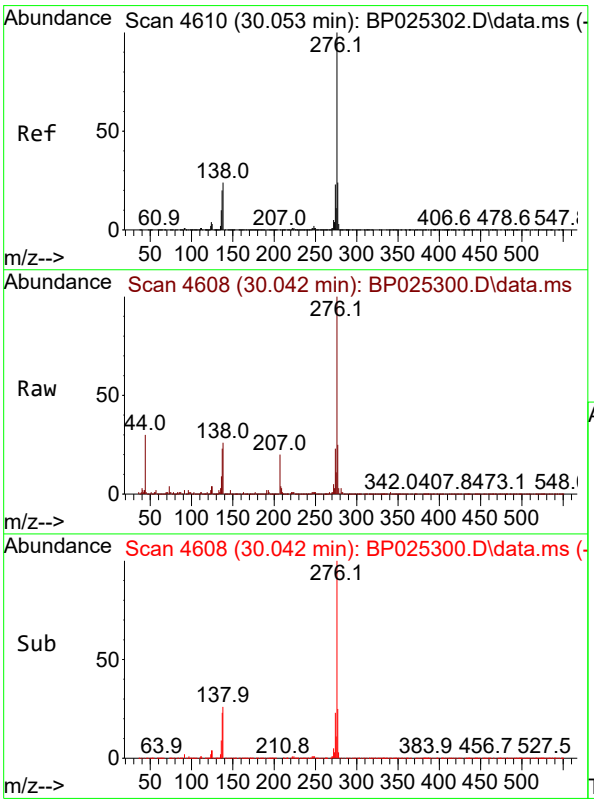
#91
Dibenzo(a,h)anthracene
Concen: 9.173 ng
RT: 28.948 min Scan# 44
Delta R.T. -0.023 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 630715

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.6	22.0
279	24.8	19.0	28.4

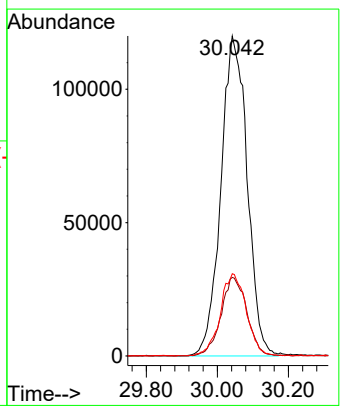




#92
Benzo(g,h,i)perylene
Concen: 9.120 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.011 min
Lab File: BP025300.D
Acq: 05 Aug 2025 13:25

Tgt Ion:276 Resp: 615632

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	25.7	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	294592	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1257251	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	772745	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1545091	20.000	ng		-0.02
76) Chrysene-d12	21.642	240	1541869	20.000	ng		-0.02
86) Perylene-d12	25.018	264	1709357	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	736938	39.974	ng		0.00
7) Phenol-d6	6.961	99	970685	39.915	ng		0.00
23) Nitrobenzene-d5	8.937	82	943796	40.616	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	325099	40.747	ng		-0.01
45) 2-Fluorobiphenyl	13.031	172	2285838	41.076	ng		0.00
79) Terphenyl-d14	19.925	244	3380656	41.421	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	141085	19.519	ng		98
3) Pyridine	3.725	79	394975	19.668	ng		99
4) n-Nitrosodimethylamine	3.637	42	184663	19.807	ng		97
6) Aniline	7.131	93	650581	19.660	ng		100
8) 2-Chlorophenol	7.366	128	399216	19.912	ng		99
9) Benzaldehyde	6.943	77	319029	18.633	ng		98
10) Phenol	6.984	94	509021	19.736	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	400605	19.823	ng		99
12) 1,3-Dichlorobenzene	7.696	146	449548	19.955	ng		99
13) 1,4-Dichlorobenzene	7.837	146	452555	19.856	ng		99
14) 1,2-Dichlorobenzene	8.149	146	439038	19.885	ng		98
15) Benzyl Alcohol	8.025	79	362188	19.383	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	635912	19.920	ng		98
17) 2-Methylphenol	8.225	107	340407	19.724	ng		98
18) Hexachloroethane	8.878	117	158949	19.501	ng		98
19) n-Nitroso-di-n-propyla...	8.590	70	312863	19.754	ng		99
20) 3+4-Methylphenols	8.543	107	461472	19.418	ng		98
22) Acetophenone	8.607	105	640590	20.296	ng	#	99
24) Nitrobenzene	8.978	77	435932	20.293	ng		100
25) Isophorone	9.502	82	882394	19.534	ng		99
26) 2-Nitrophenol	9.684	139	144380	17.898	ng		99
27) 2,4-Dimethylphenol	9.743	122	387180	18.591	ng		94
28) bis(2-Chloroethoxy)met...	9.984	93	549341	19.991	ng		99
29) 2,4-Dichlorophenol	10.213	162	368492	20.210	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	407796	20.272	ng		98
31) Naphthalene	10.625	128	1313112	20.119	ng		100
32) Benzoic acid	9.831	122	159597	19.976	ng		98
33) 4-Chloroaniline	10.719	127	578033	19.913	ng		99
34) Hexachlorobutadiene	10.919	225	232981	20.177	ng		99
35) Caprolactam	11.454	113	132591	18.704	ng		96
36) 4-Chloro-3-methylphenol	11.831	107	410728	19.468	ng		97
37) 2-Methylnaphthalene	12.225	142	836183	19.794	ng		97
38) 1-Methylnaphthalene	12.443	142	884130	20.058	ng		99
40) 1,2,4,5-Tetrachloroben...	12.596	216	435991	20.666	ng		99
41) Hexachlorocyclopentadiene	12.584	237	250447	19.234	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	277071	20.330	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	315277	20.622	ng		98
46) 1,1'-Biphenyl	13.243	154	1177906	20.684	ng		100
47) 2-Chloronaphthalene	13.284	162	893709	20.570	ng		99
48) 2-Nitroaniline	13.466	65	221835	19.318	ng		98
49) Acenaphthylene	14.131	152	1469277	20.274	ng		100
50) Dimethylphthalate	13.860	163	1136145	20.169	ng		100
51) 2,6-Dinitrotoluene	13.972	165	214760	20.669	ng		96
52) Acenaphthene	14.472	154	893336	20.209	ng		100
53) 3-Nitroaniline	14.295	138	244949	20.146	ng		97
54) 2,4-Dinitrophenol	14.501	184	62185	20.728	ng	#	64
55) Dibenzofuran	14.813	168	1340675	20.295	ng		99
56) 4-Nitrophenol	14.595	139	208471	19.428	ng		99
57) 2,4-Dinitrotoluene	14.760	165	278602	19.379	ng		88
58) Fluorene	15.466	166	1065702	20.540	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	261795	20.379	ng		99
60) Diethylphthalate	15.248	149	1157469	20.380	ng		100
61) 4-Chlorophenyl-phenyle...	15.472	204	502874	20.445	ng		97
62) 4-Nitroaniline	15.472	138	250280	20.775	ng		99
63) Azobenzene	15.766	77	1062864	20.145	ng		100
65) 4,6-Dinitro-2-methylph...	15.537	198	96827	20.007	ng		97
66) n-Nitrosodiphenylamine	15.678	169	954626	20.292	ng		99
67) 4-Bromophenyl-phenylether	16.378	248	311442	20.033	ng		98
68) Hexachlorobenzene	16.495	284	345386	19.800	ng		100
69) Atrazine	16.654	200	336474	20.337	ng		98
70) Pentachlorophenol	16.836	266	214251	19.278	ng		98
71) Phenanthrene	17.242	178	1695710	20.038	ng		99
72) Anthracene	17.342	178	1744320	20.442	ng		100
73) Carbazole	17.613	167	1677911	20.485	ng		100
74) Di-n-butylphthalate	18.219	149	2066393	20.853	ng		99
75) Fluoranthene	19.325	202	1994945	20.364	ng		99
77) Benzidine	19.513	184	1175553	21.065	ng		100
78) Pyrene	19.695	202	2081509	20.301	ng		99
80) Butylbenzylphthalate	20.660	149	854396	20.547	ng		100
81) Benzo(a)anthracene	21.619	228	2092336	20.421	ng		99
82) 3,3'-Dichlorobenzidine	21.542	252	745703	20.628	ng		99
83) Chrysene	21.689	228	1938698	20.400	ng		99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1391559	20.958	ng		99
85) Di-n-octyl phthalate	22.889	149	2211074	19.895	ng		99
87) Indeno(1,2,3-cd)pyrene	28.854	276	2454026m	20.000	ng		
88) Benzo(b)fluoranthene	23.954	252	2040906	19.945	ng		99
89) Benzo(k)fluoranthene	24.018	252	2032226	20.034	ng		99
90) Benzo(a)pyrene	24.854	252	1962673	19.917	ng		99
91) Dibenzo(a,h)anthracene	28.953	278	1992808	19.860	ng		98
92) Benzo(g,h,i)perylene	30.036	276	1964046	19.938	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

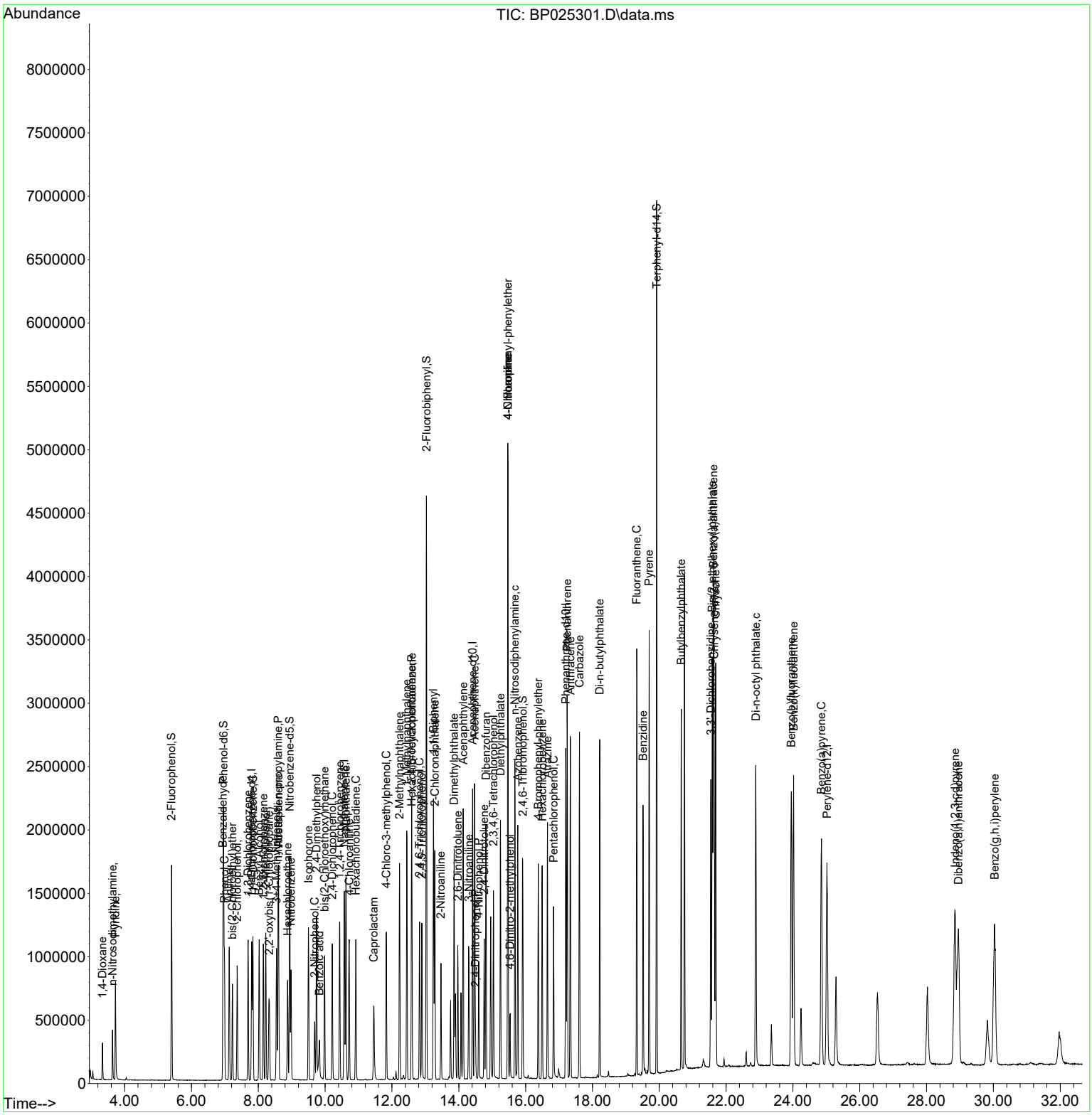
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

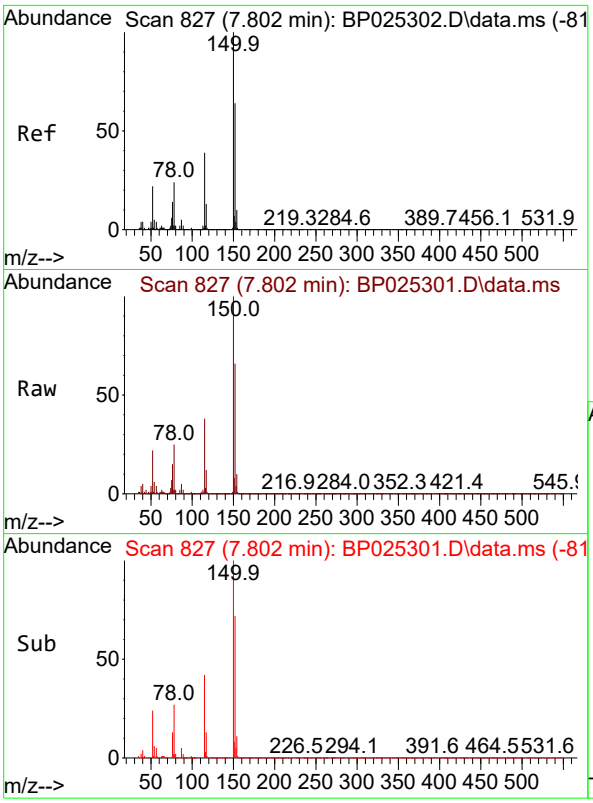
Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

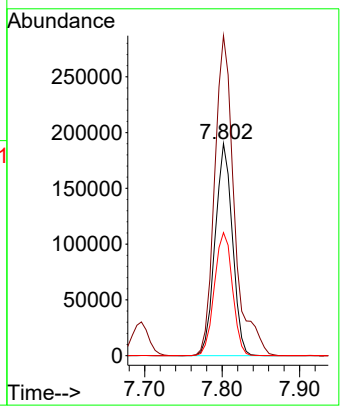




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:152 Resp: 29459

Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.1	187.7
115	58.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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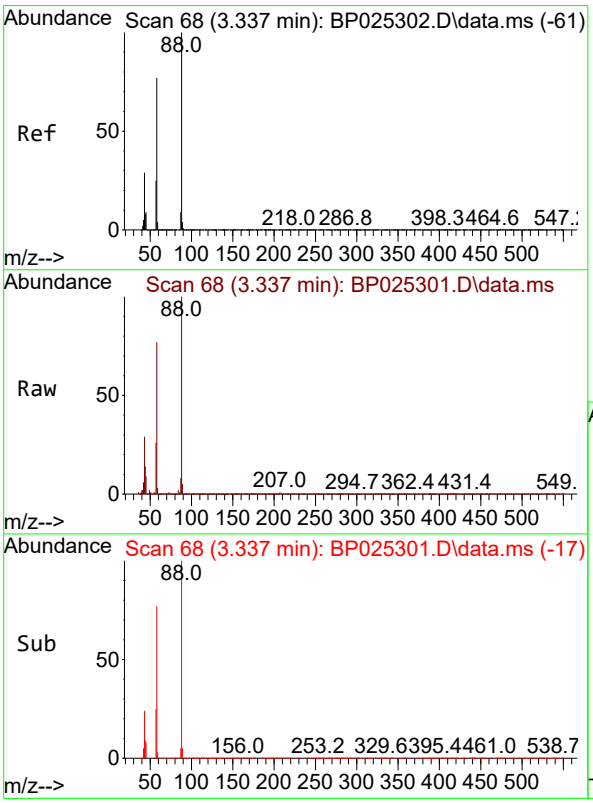
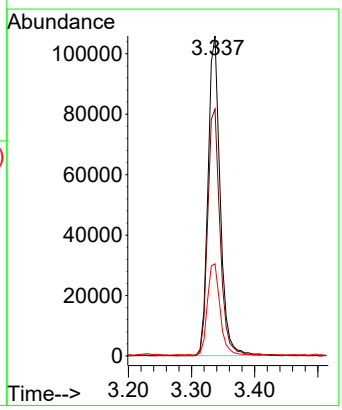
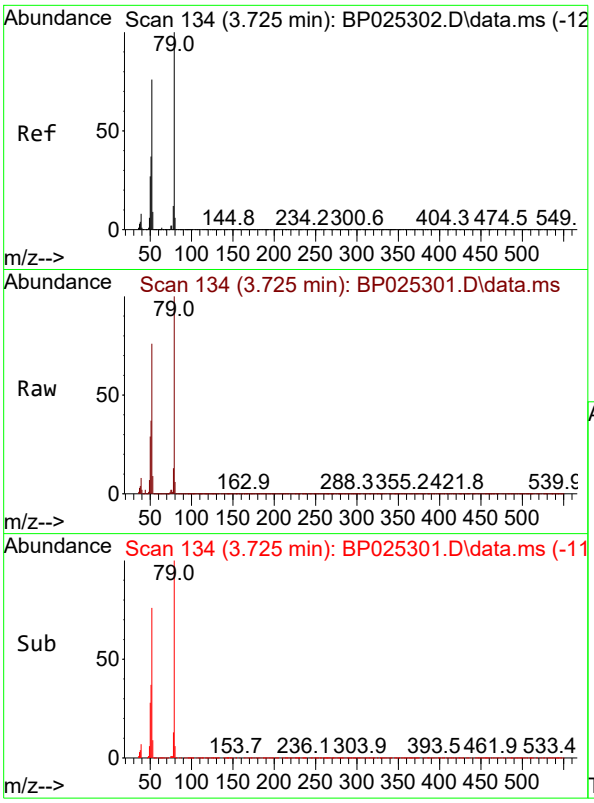


#2
1,4-Dioxane
Concen: 19.519 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 88 Resp: 141085

Ion	Ratio	Lower	Upper
88	100		
58	78.9	61.9	92.9
43	29.5	24.2	36.2

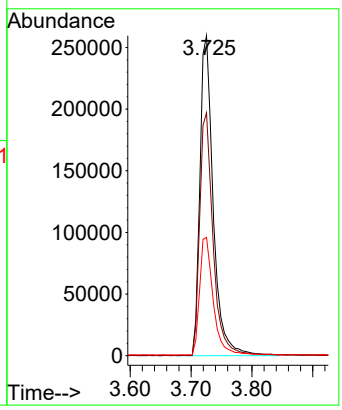




#3
Pyridine
Concen: 19.668 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 79 Resp: 39497

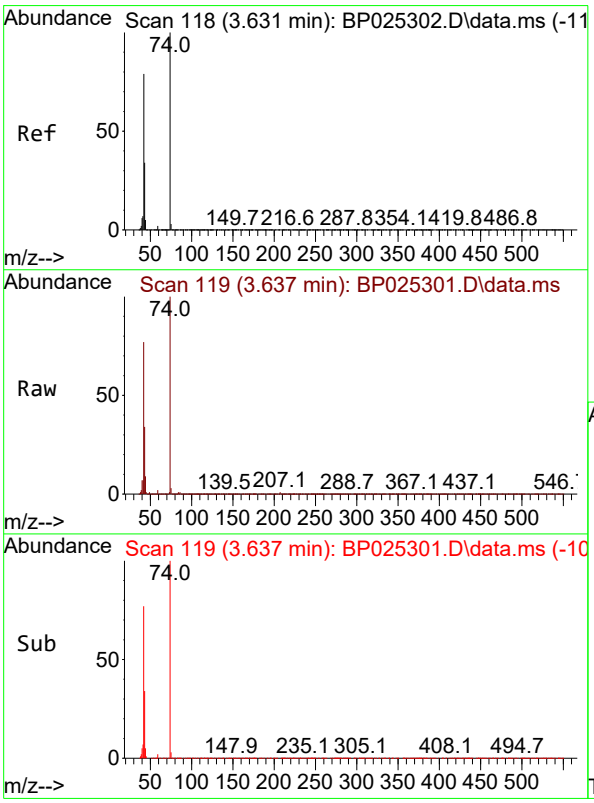
Ion	Ratio	Lower	Upper
79	100		
52	75.9	60.5	90.7
51	37.0	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

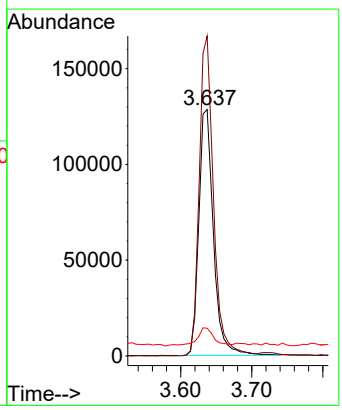
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

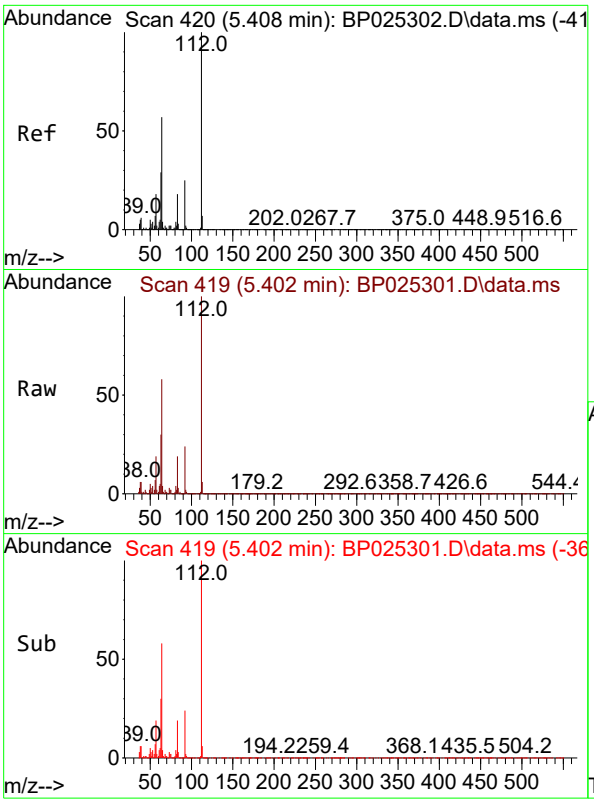


#4
n-Nitrosodimethylamine
Concen: 19.807 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 42 Resp: 184663

Ion	Ratio	Lower	Upper
42	100		
74	129.9	101.4	152.2
44	11.2	7.6	11.4

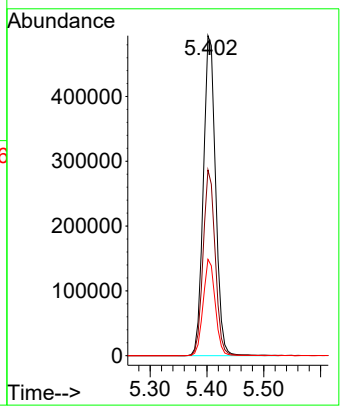




#5
2-Fluorophenol
Concen: 39.974 ng
RT: 5.402 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:112 Resp: 73693

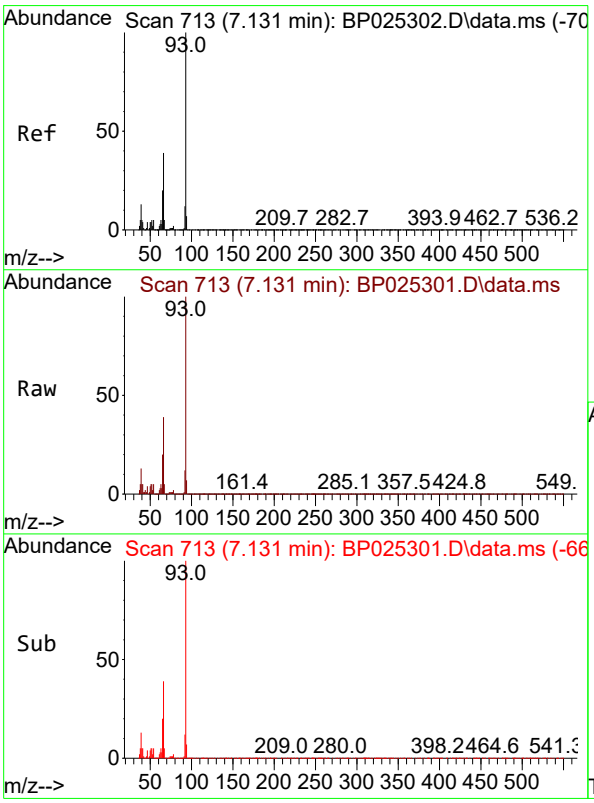
Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.3	67.9
63	30.1	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

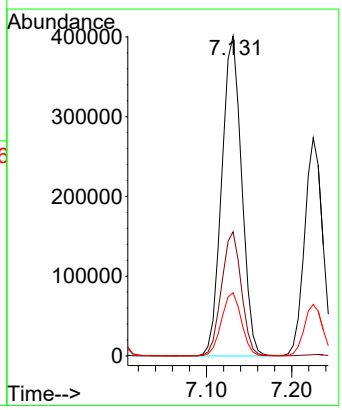
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

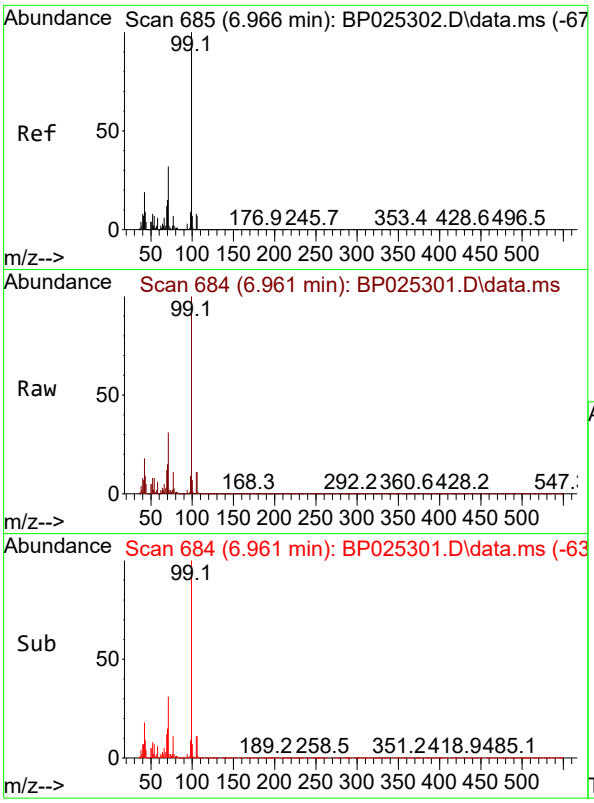


#6
Aniline
Concen: 19.660 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 650581

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.1	46.7
65	19.8	15.8	23.8

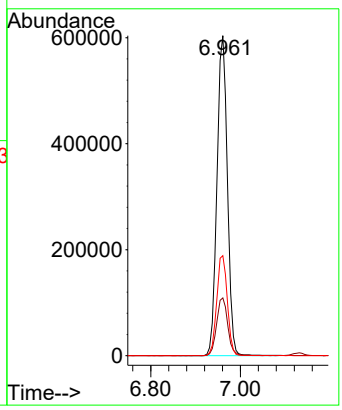




#7
Phenol-d6
Concen: 39.915 ng
RT: 6.961 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 99 Resp: 97068

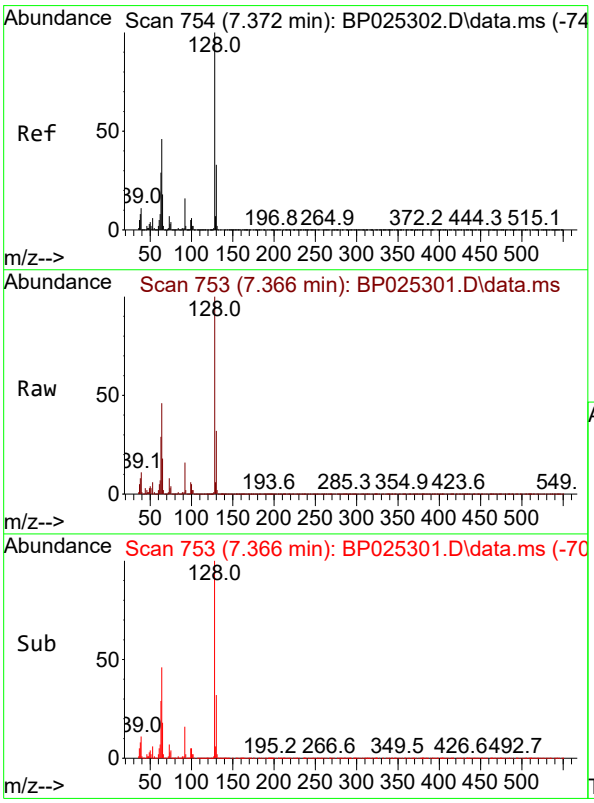
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.6
71	31.3	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

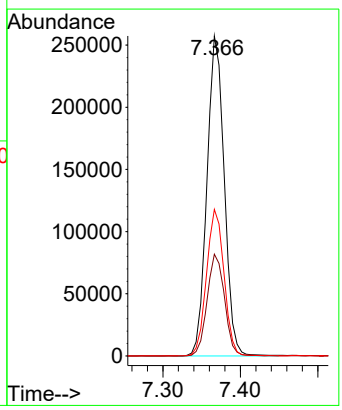
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

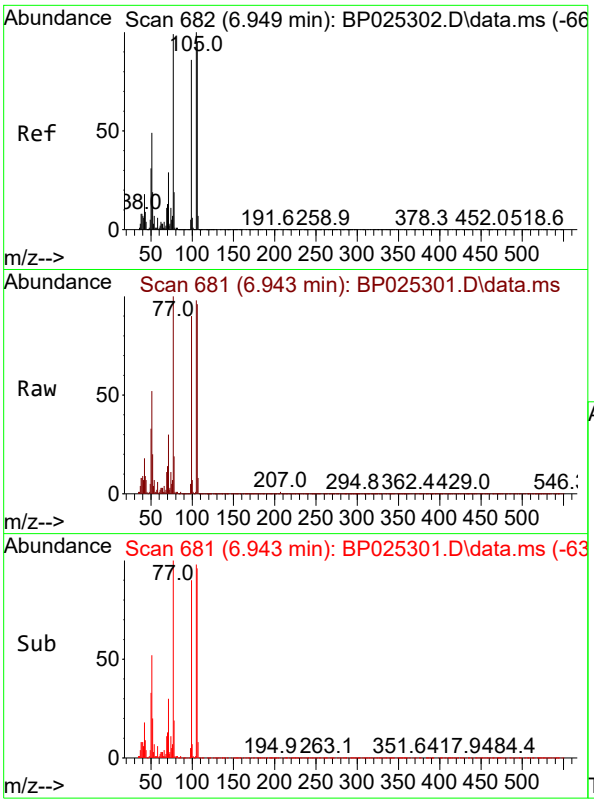


#8
2-Chlorophenol
Concen: 19.912 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:128 Resp: 399216

Ion	Ratio	Lower	Upper
128	100		
130	31.8	13.1	53.1
64	45.8	26.1	66.1

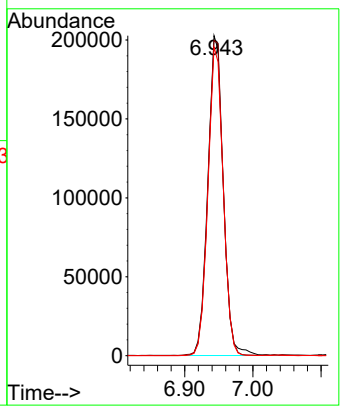




#9
Benzaldehyde
Concen: 18.633 ng
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 31902

Ion	Ratio	Lower	Upper
77	100		
105	98.5	81.4	121.4
106	96.4	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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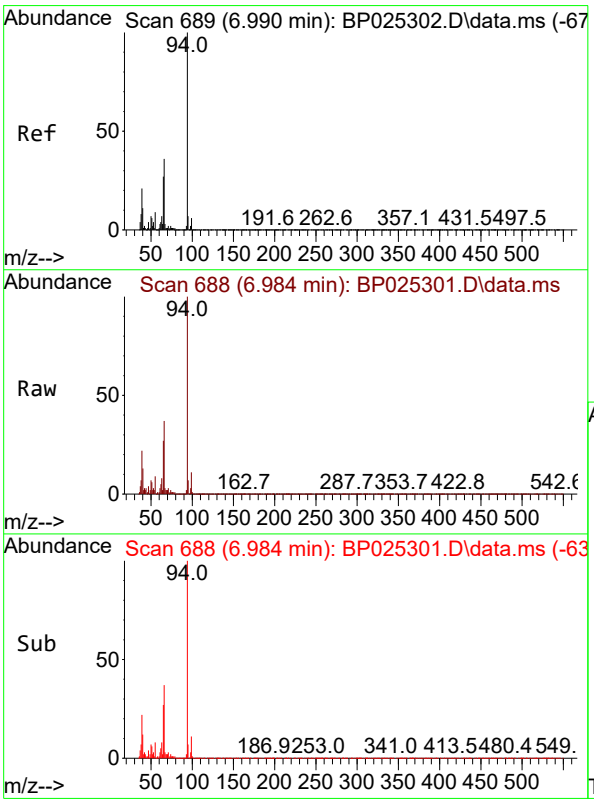
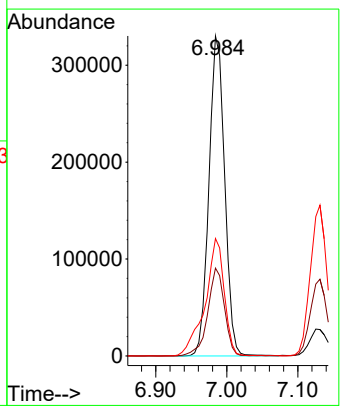
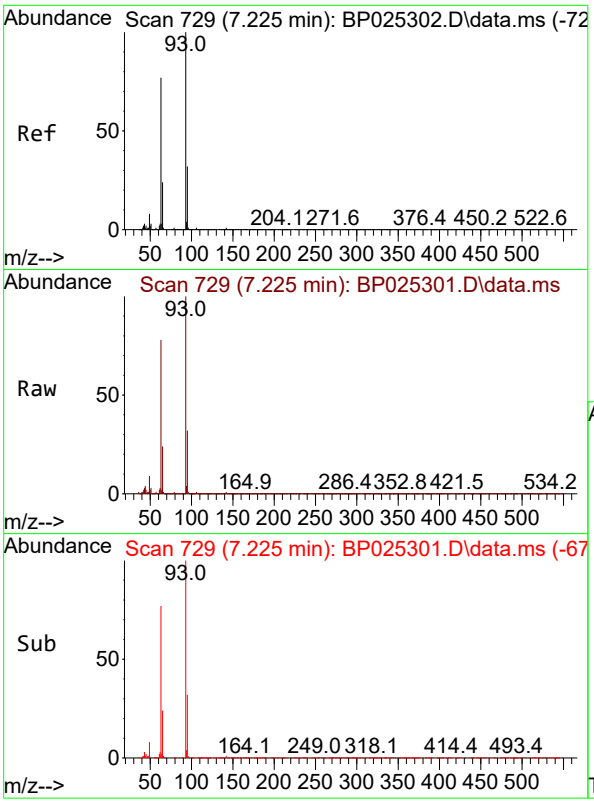


#10
Phenol
Concen: 19.736 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 94 Resp: 509021

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	36.7	15.7	55.7

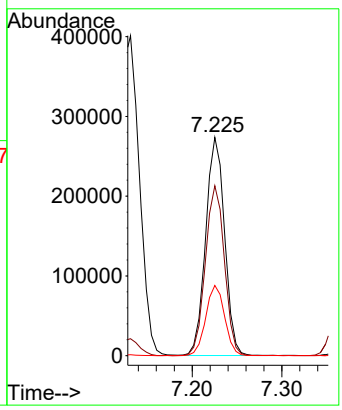




#11
bis(2-Chloroethyl)ether
Concen: 19.823 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 40060

Ion	Ratio	Lower	Upper
93	100		
63	77.8	57.0	97.0
95	32.2	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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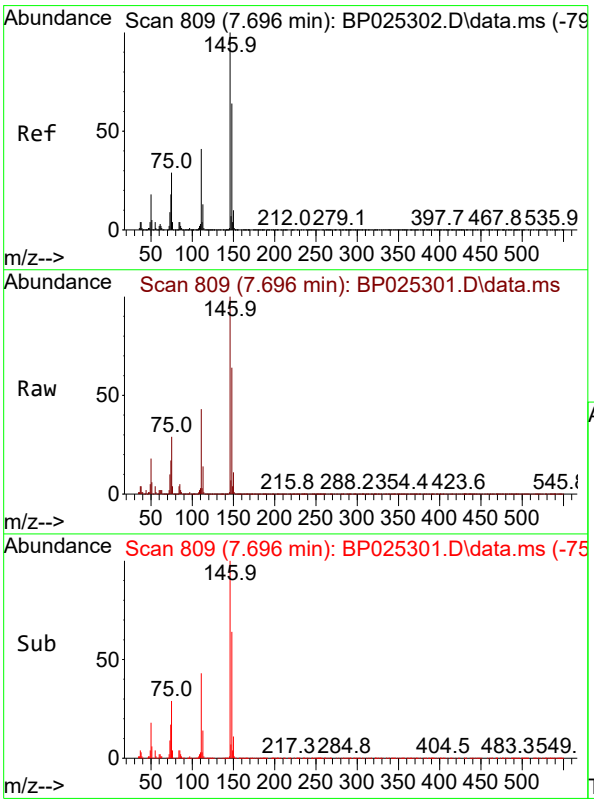
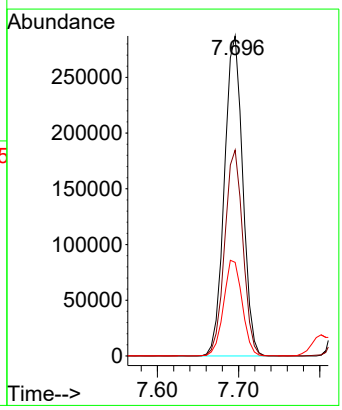
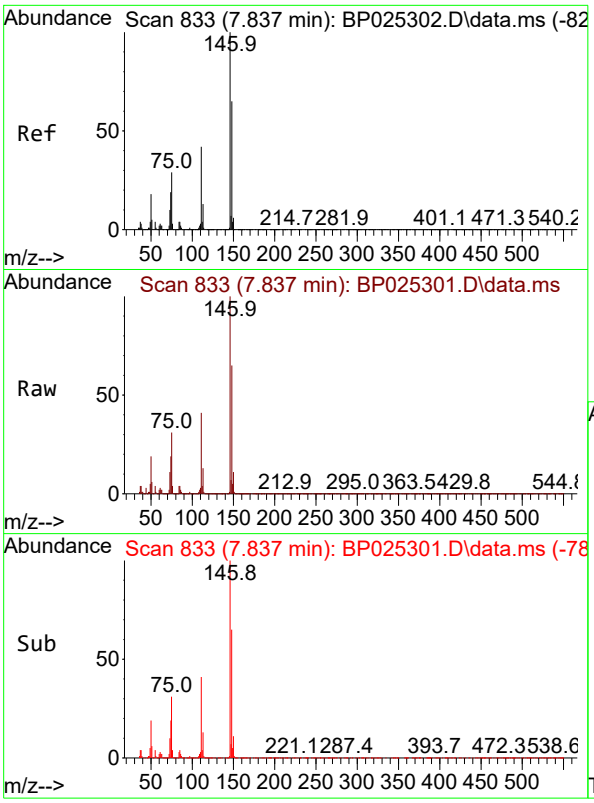


#12
1,3-Dichlorobenzene
Concen: 19.955 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 449548

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.1	76.7
75	29.3	23.2	34.8

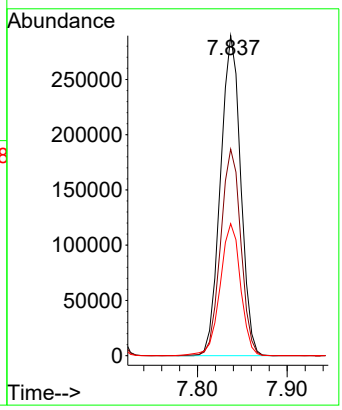




#13
1,4-Dichlorobenzene
Concen: 19.856 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 45255

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	41.3	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
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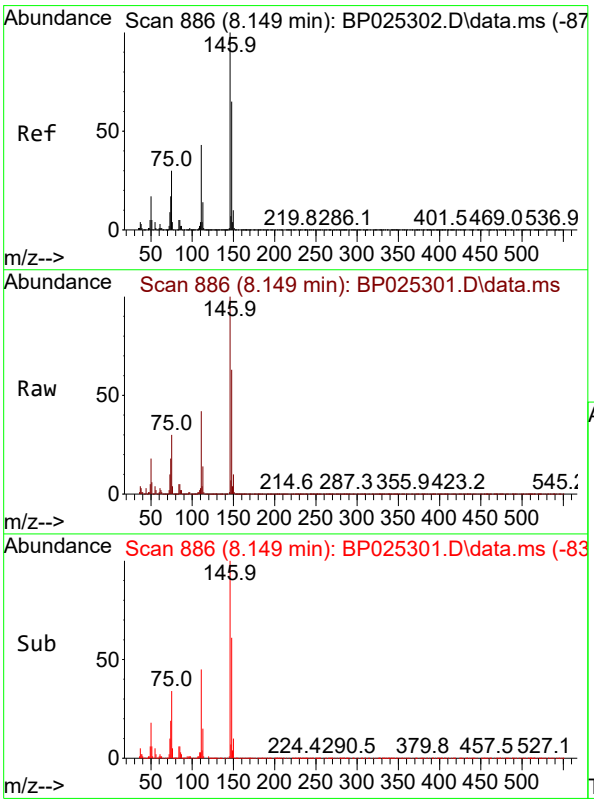
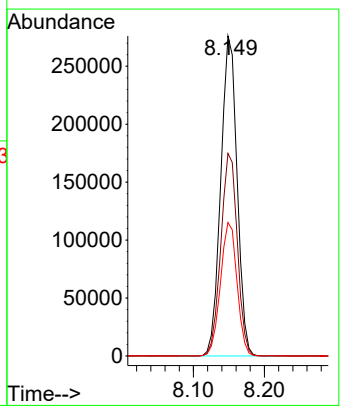
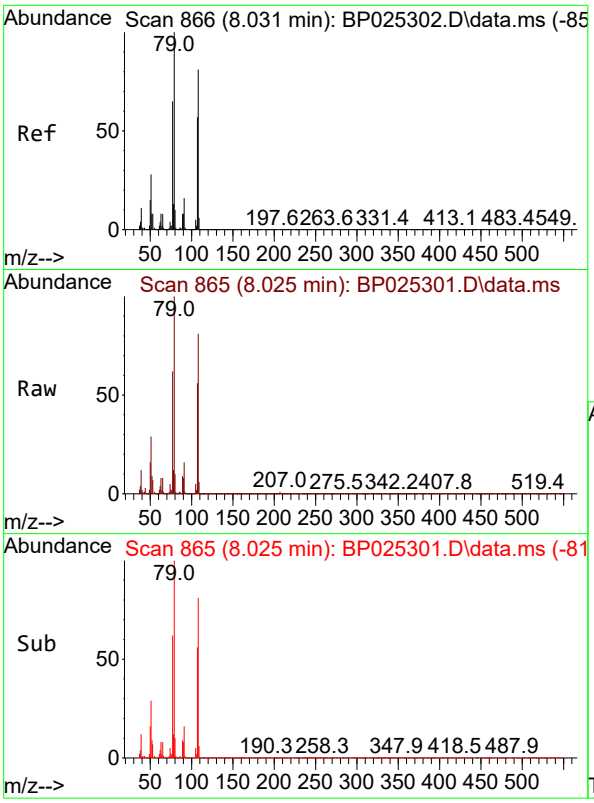


#14
1,2-Dichlorobenzene
Concen: 19.885 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 439038

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	41.7	34.4	51.6

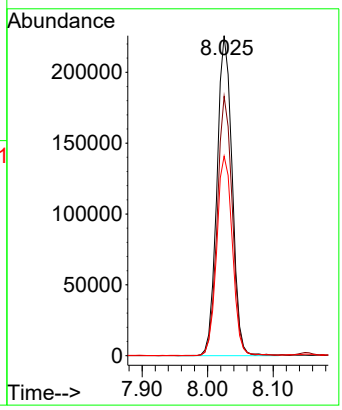




#15
Benzyl Alcohol
Concen: 19.383 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 79 Resp: 36218

Ion	Ratio	Lower	Upper
79	100		
108	81.1	64.5	96.7
77	62.3	51.9	77.9



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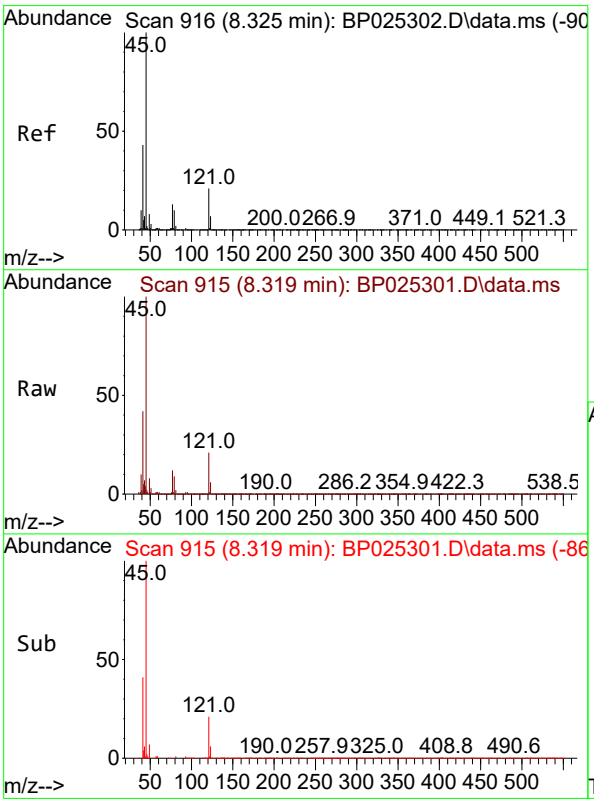
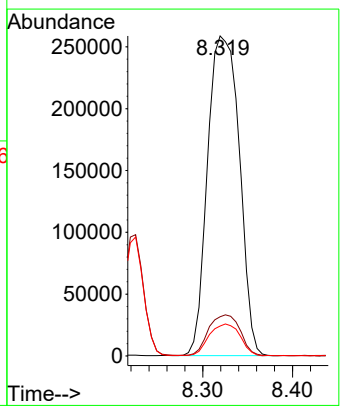
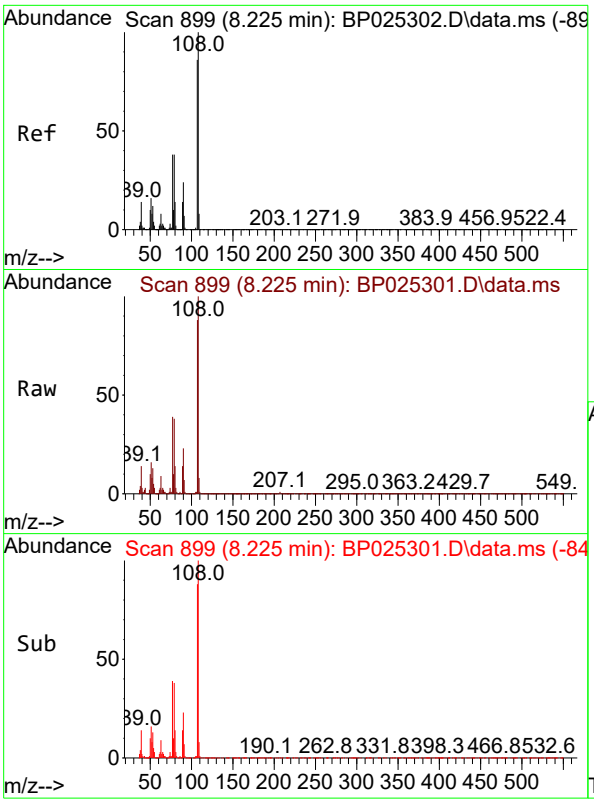


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.920 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 45 Resp: 635912

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	33.0
79	9.3	0.0	29.8

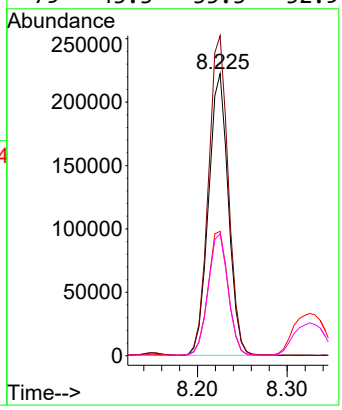




#17
2-Methylphenol
Concen: 19.724 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 34040

Ion	Ratio	Lower	Upper
107	100		
108	113.5	92.6	139.0
77	44.1	35.4	53.2
79	43.3	35.3	52.9



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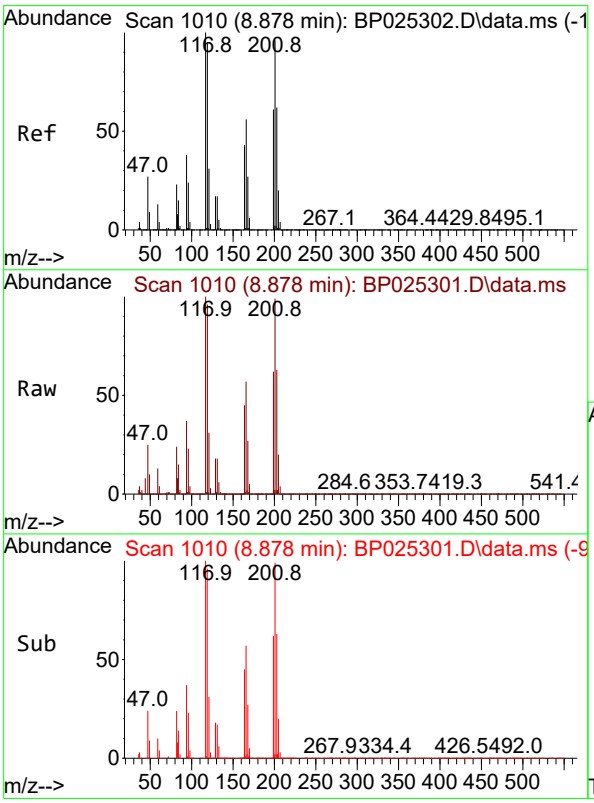
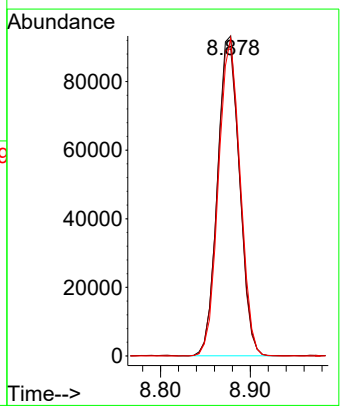
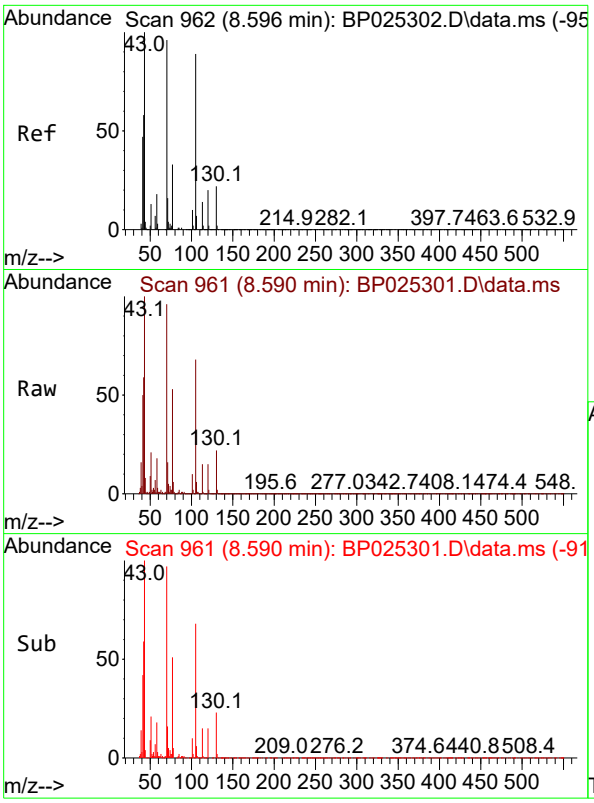


#18
Hexachloroethane
Concen: 19.501 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:117 Resp: 158949

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
201	99.3	76.6	114.8

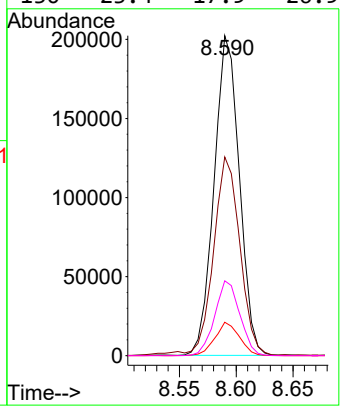




#19
n-Nitroso-di-n-propylamine
Concen: 19.754 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 70 Resp: 31286

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	10.5	7.9	11.9
130	23.4	17.9	26.9



Instrument :
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ClientSampleId :
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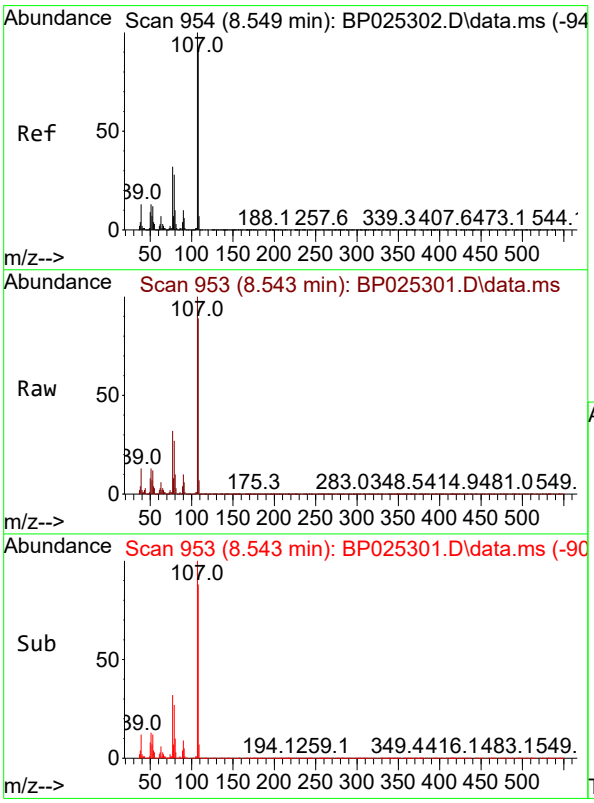
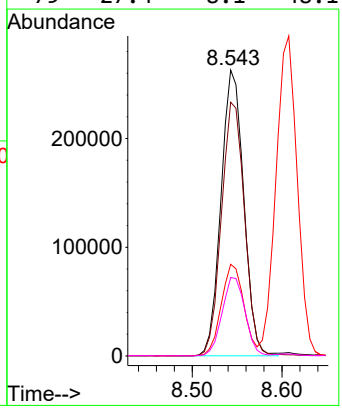
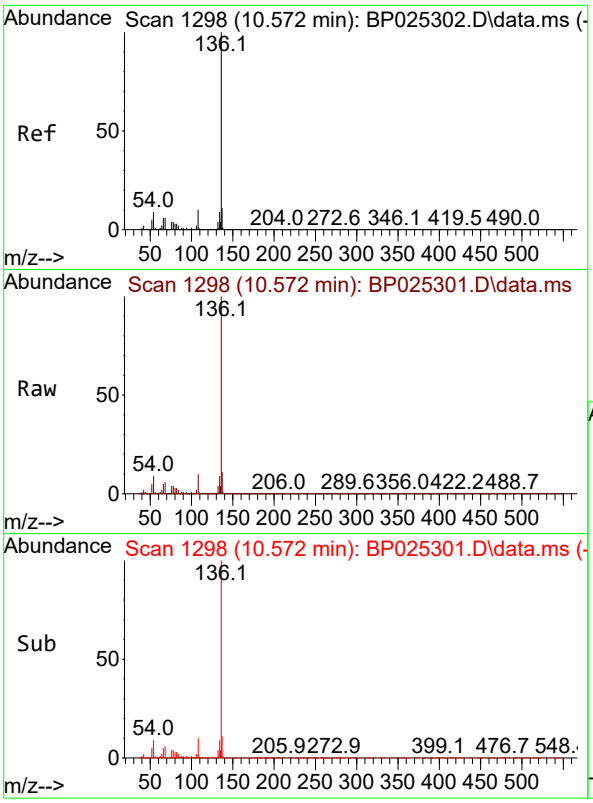


#20
3+4-Methylphenols
Concen: 19.418 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 461472

Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.9	111.9
77	32.1	12.0	52.0
79	27.4	8.1	48.1

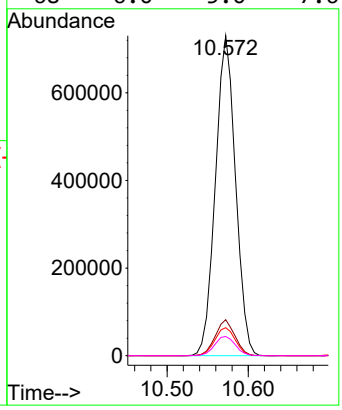




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:136 Resp: 125725

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.0	10.6
68	6.0	5.0	7.6



Instrument :
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ClientSampleId :
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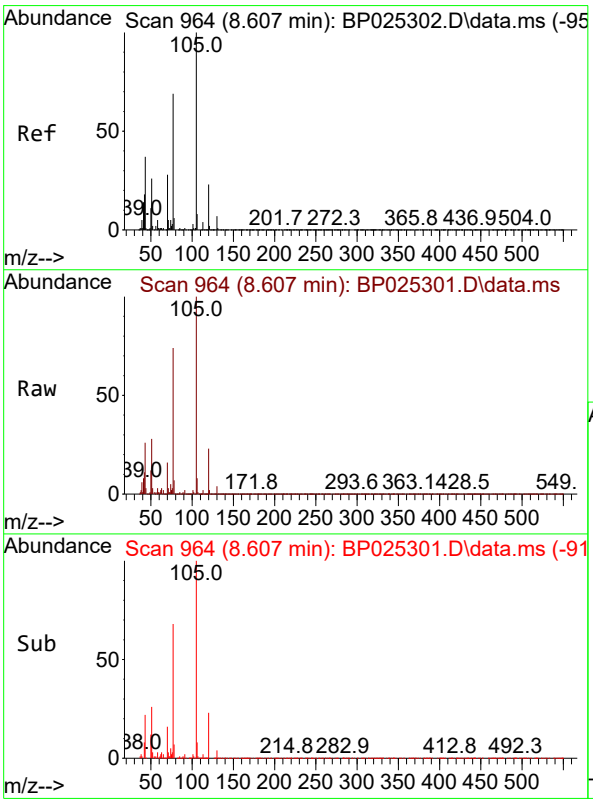
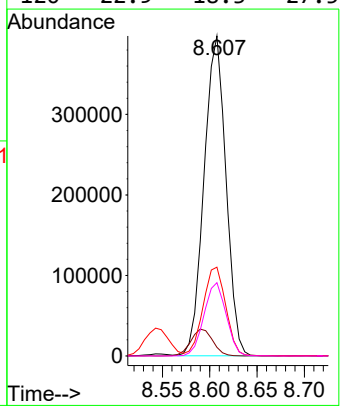
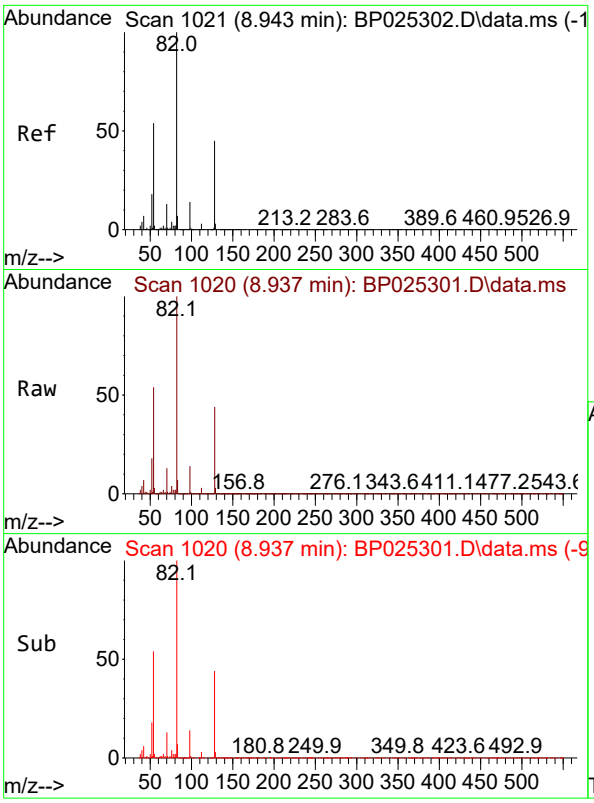


#22
Acetophenone
Concen: 20.296 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:105 Resp: 640590

Ion	Ratio	Lower	Upper
105	100		
71	2.7	4.1	6.1#
51	27.8	22.7	34.1
120	22.9	18.3	27.5

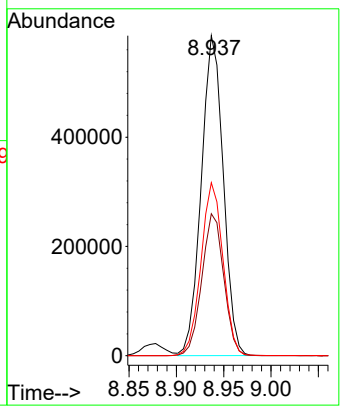




#23
Nitrobenzene-d5
Concen: 40.616 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 82 Resp: 94379

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	54.1	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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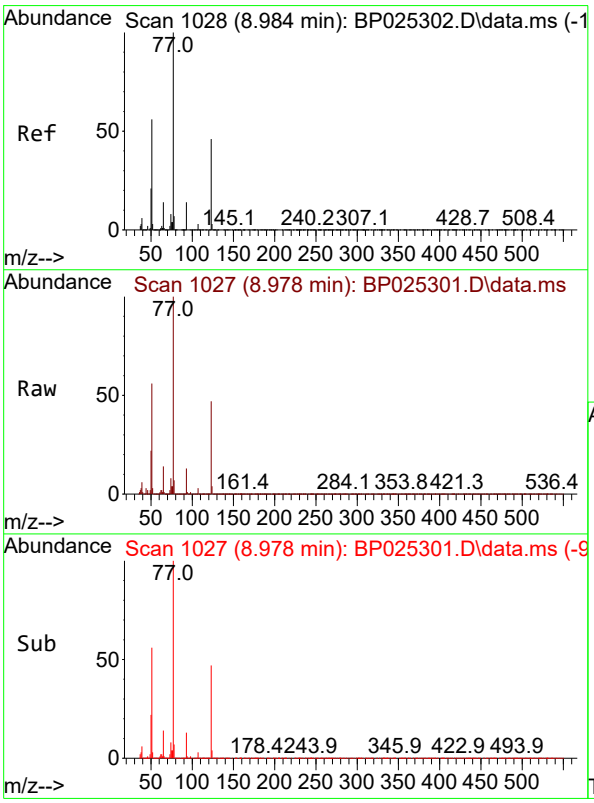
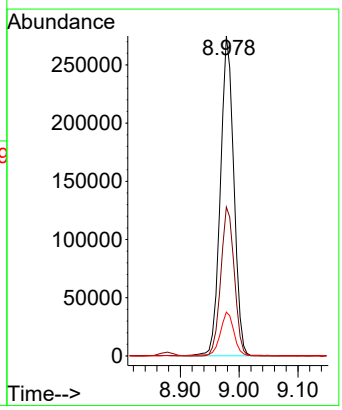
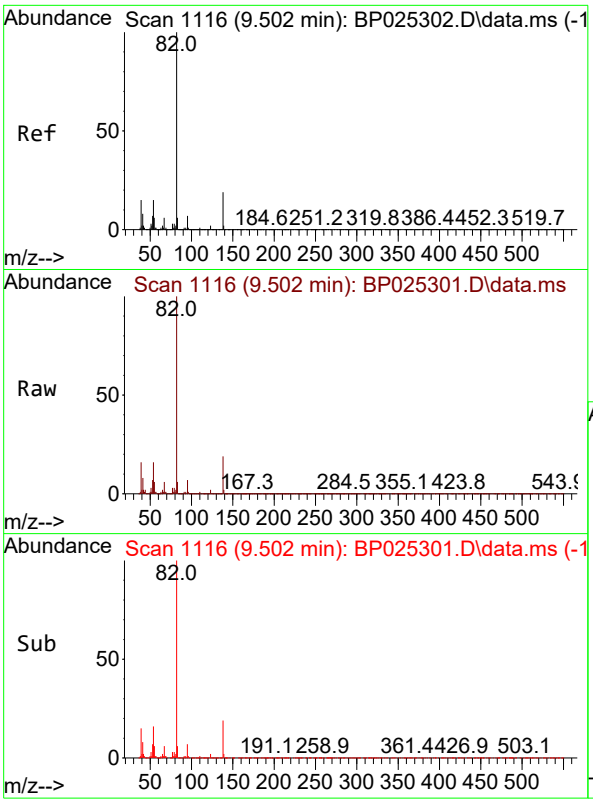


#24
Nitrobenzene
Concen: 20.293 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 435932

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.4	56.2
65	13.7	11.1	16.7

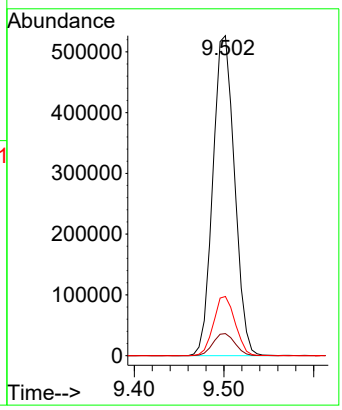




#25
Isophorone
Concen: 19.534 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 82 Resp: 88239

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	18.5	15.0	22.6



Instrument :
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ClientSampleId :
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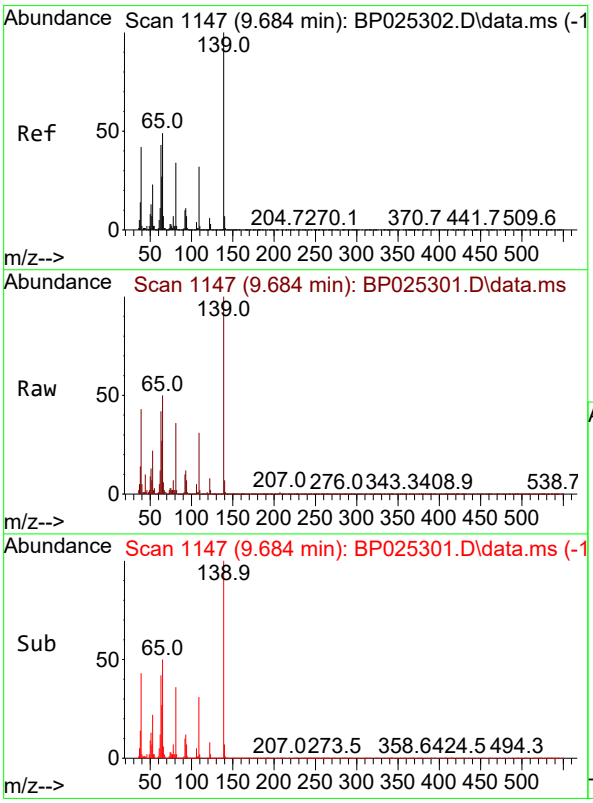
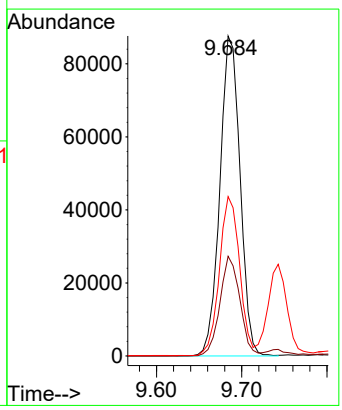
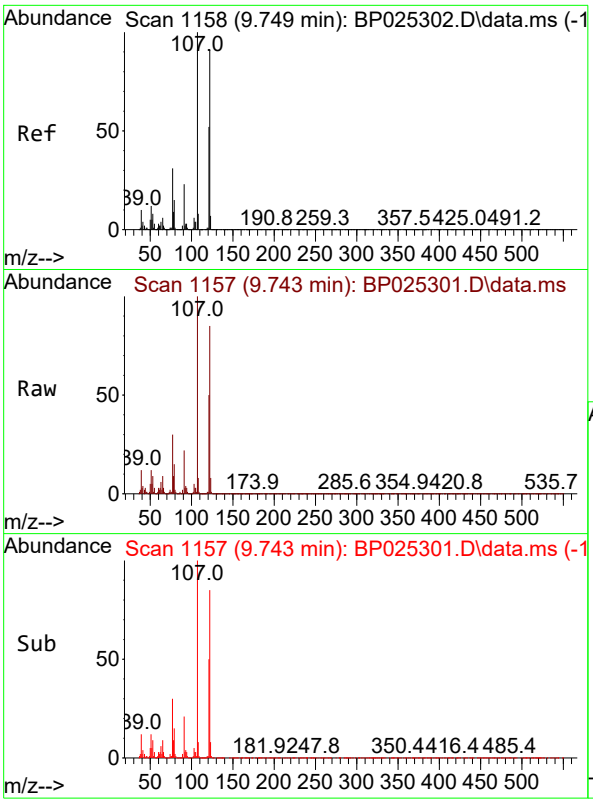


#26
2-Nitrophenol
Concen: 17.898 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 144380

Ion	Ratio	Lower	Upper
139	100		
109	31.2	25.2	37.8
65	49.8	39.6	59.4

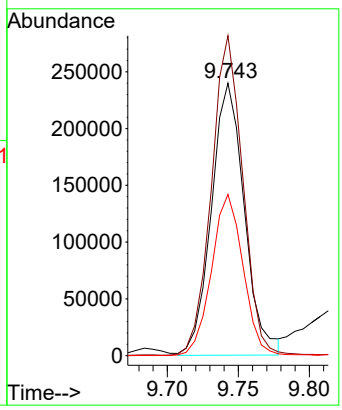




#27
2,4-Dimethylphenol
Concen: 18.591 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:122 Resp: 38718

Ion	Ratio	Lower	Upper
122	100		
107	117.4	87.4	131.0
121	59.2	45.8	68.8



Instrument :
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ClientSampleId :
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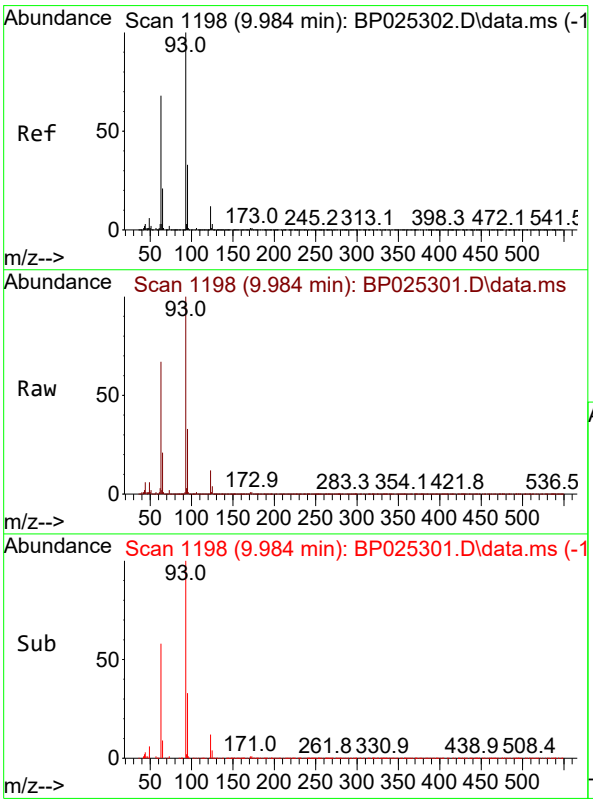
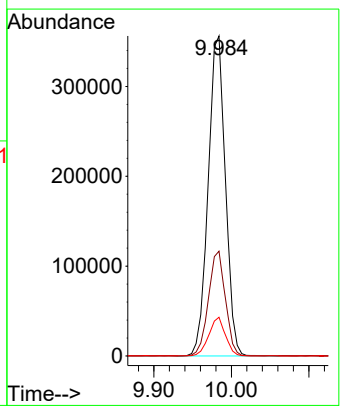
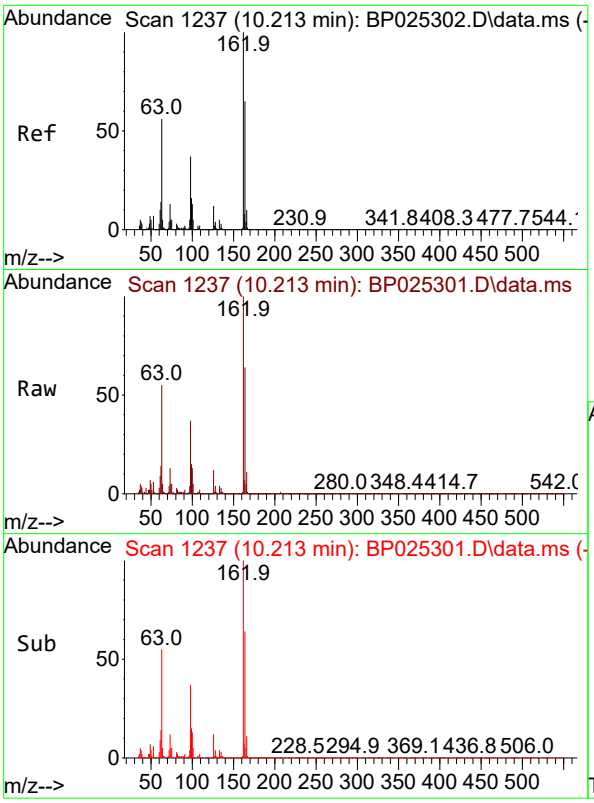


#28
bis(2-Chloroethoxy)methane
Concen: 19.991 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 549341

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	12.1	9.4	14.2

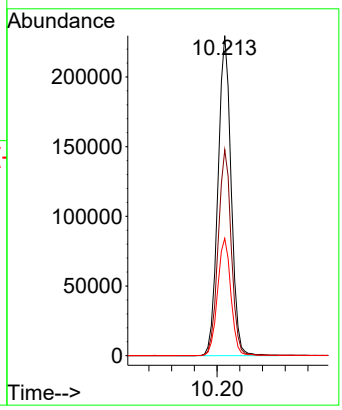




#29
2,4-Dichlorophenol
Concen: 20.210 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:162 Resp: 36849

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.2	85.2
98	36.6	17.5	57.5



Instrument :
BNA_P
ClientSampleId :
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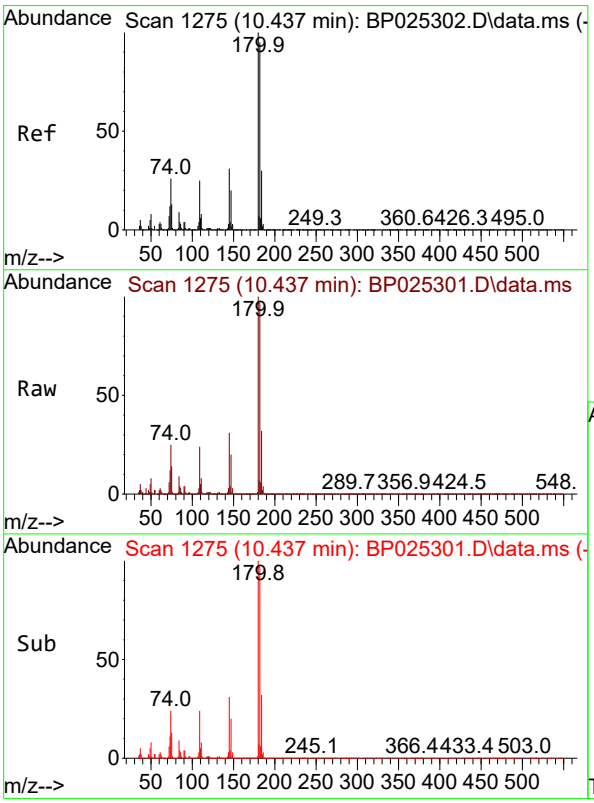
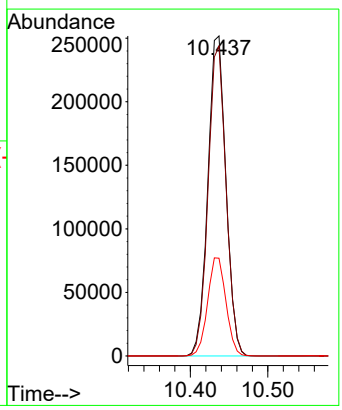
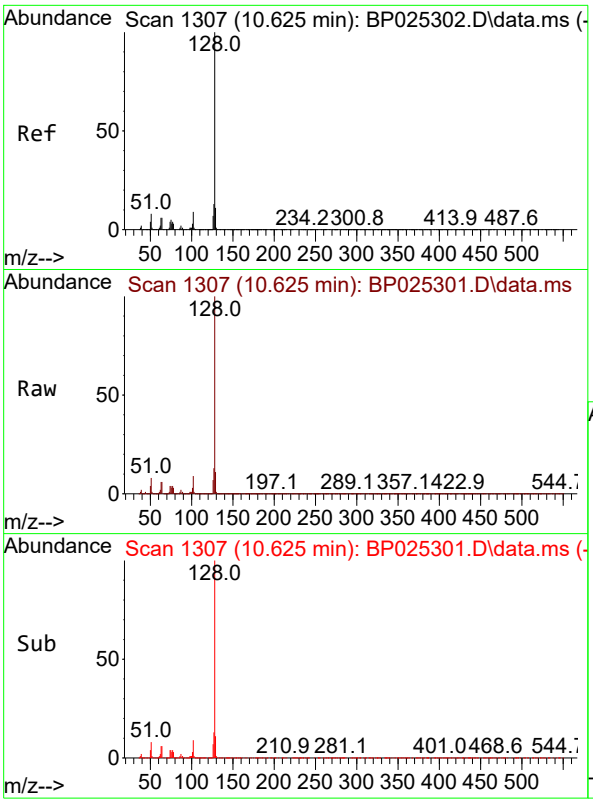


#30
1,2,4-Trichlorobenzene
Concen: 20.272 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:180 Resp: 407796

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.8
145	30.5	25.0	37.4

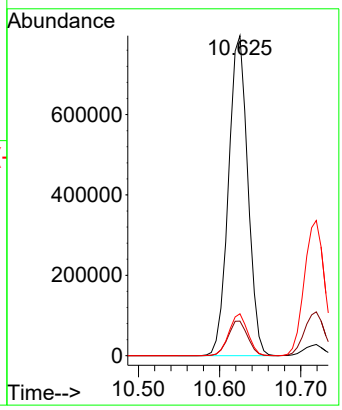




#31
Naphthalene
Concen: 20.119 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:128 Resp: 131311

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.1	10.4	15.6



Instrument :
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ClientSampleId :
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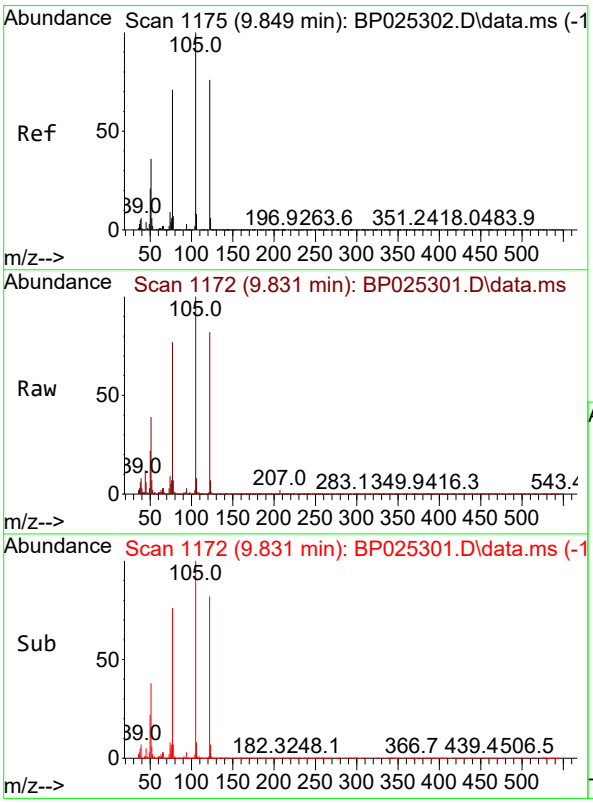
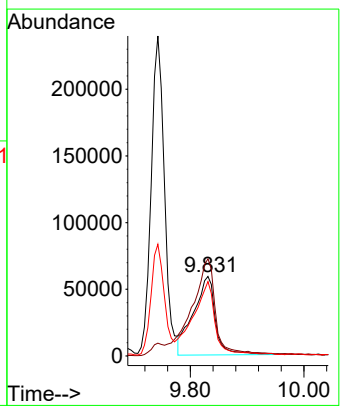
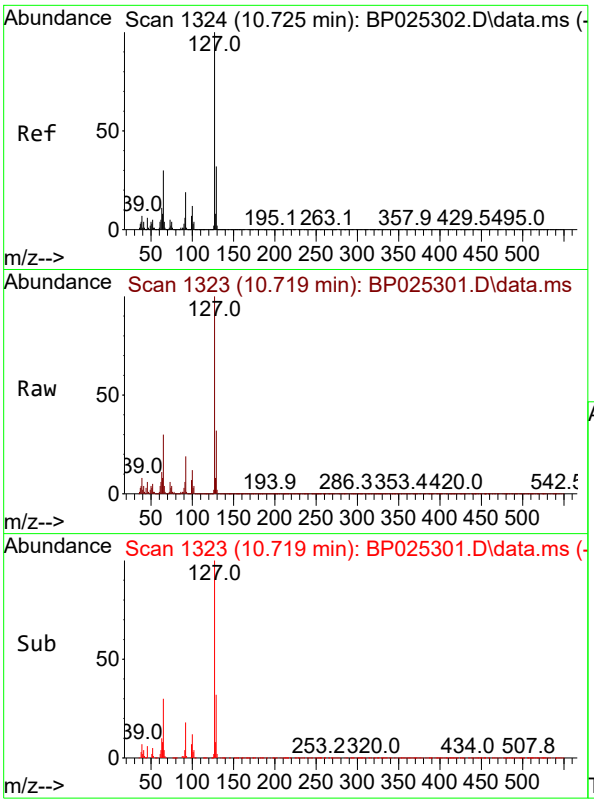


#32
Benzoic acid
Concen: 19.976 ng
RT: 9.831 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:122 Resp: 159597

Ion	Ratio	Lower	Upper
122	100		
105	122.2	104.0	144.0
77	93.5	71.8	111.8

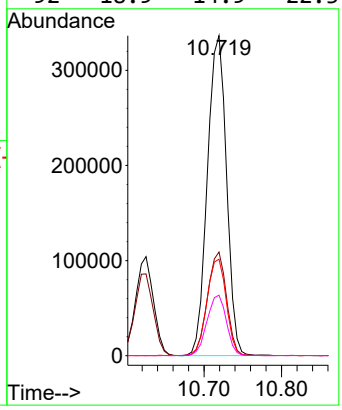




#33
4-Chloroaniline
Concen: 19.913 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:127 Resp: 57803

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	30.2	23.6	35.4
92	18.9	14.9	22.3



Instrument :
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ClientSampleId :
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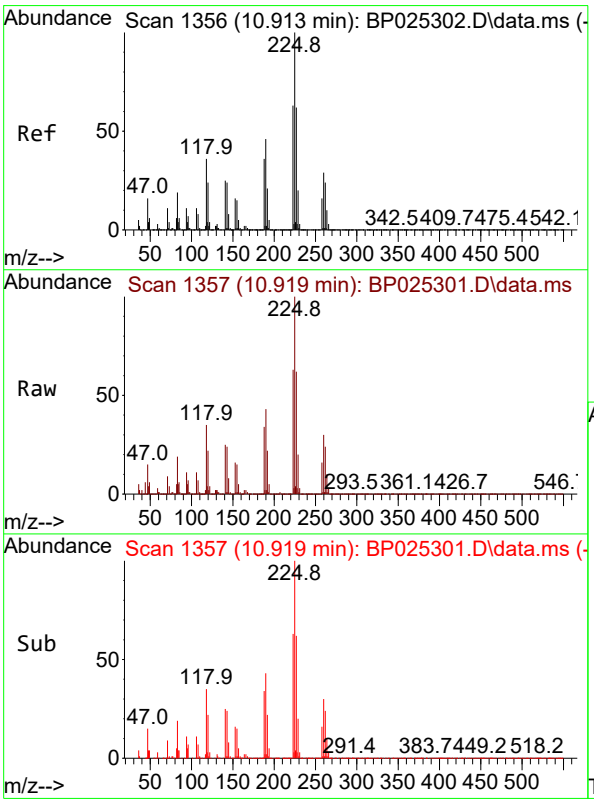
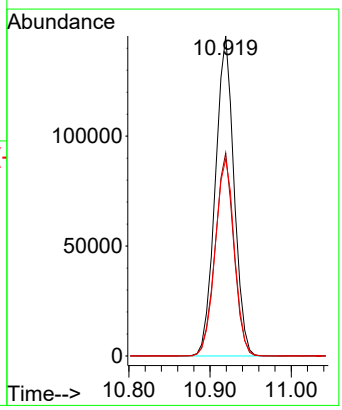
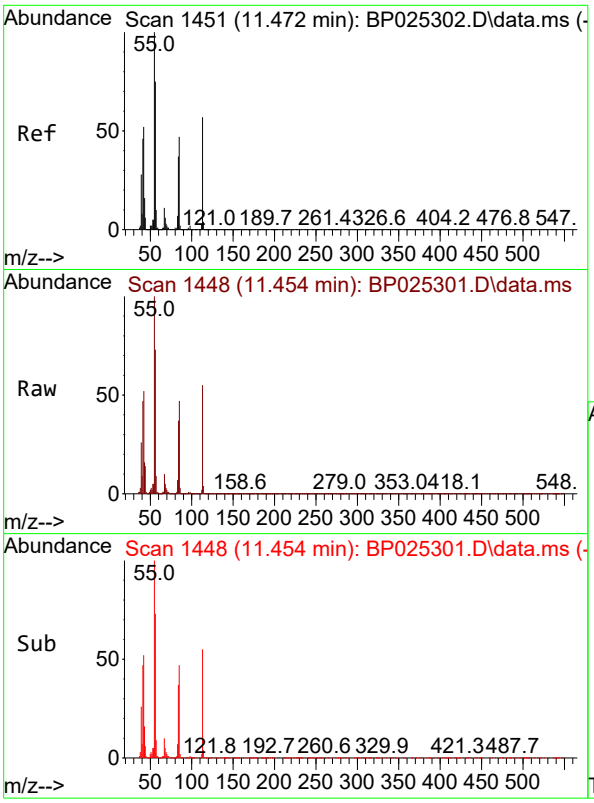


#34
Hexachlorobutadiene
Concen: 20.177 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:225 Resp: 232981

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	61.5	49.7	74.5

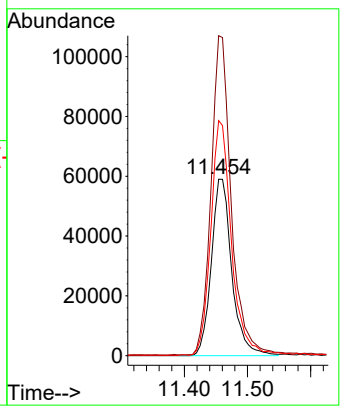




#35
Caprolactam
Concen: 18.704 ng
RT: 11.454 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:113 Resp: 13259

Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.4	194.4
56	133.2	110.9	150.9



Instrument :
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ClientSampleId :
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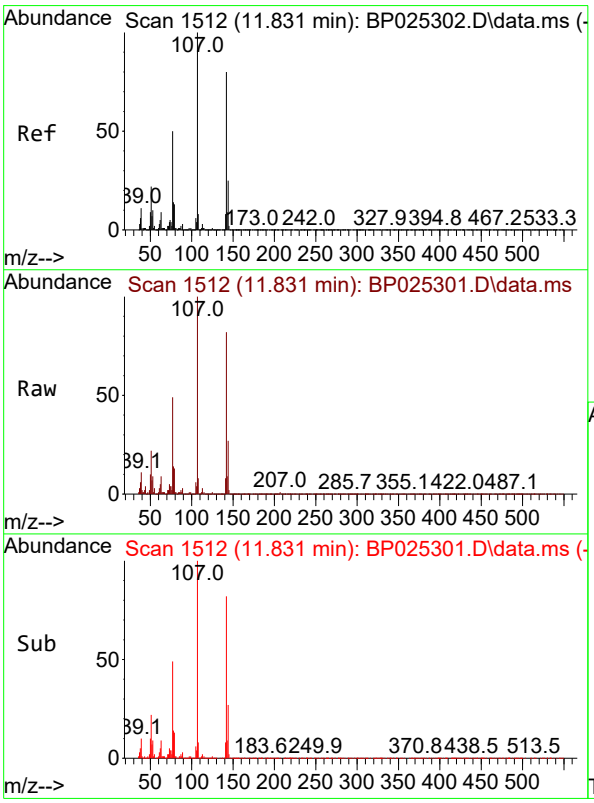
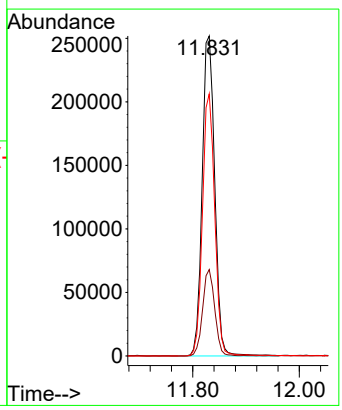
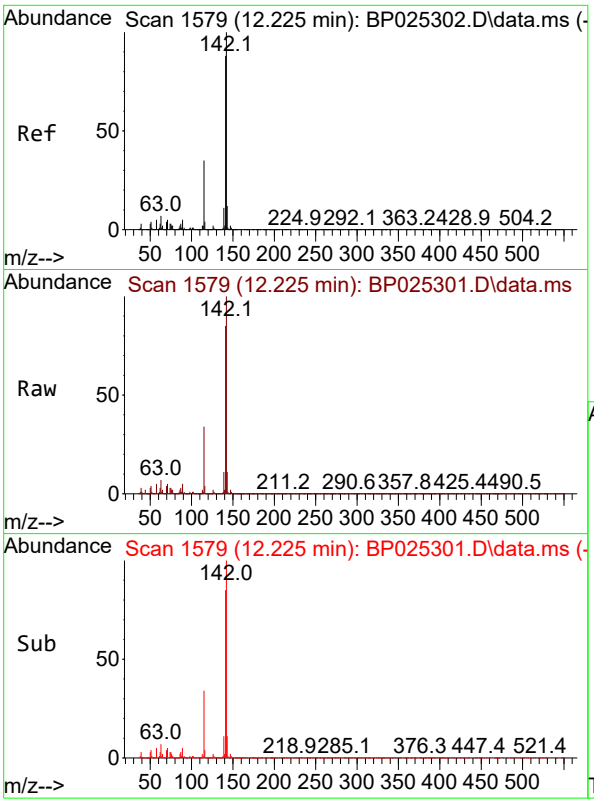


#36
4-Chloro-3-methylphenol
Concen: 19.468 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 410728

Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.4	30.6
142	81.9	63.7	95.5

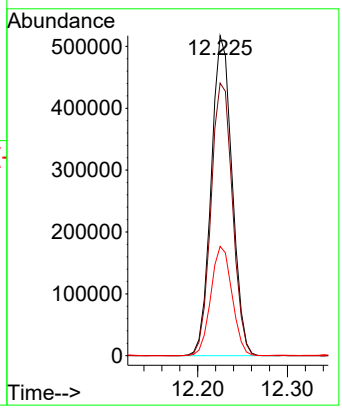




#37
2-Methylnaphthalene
Concen: 19.794 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:142 Resp: 83618

Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.4	105.6
115	34.2	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
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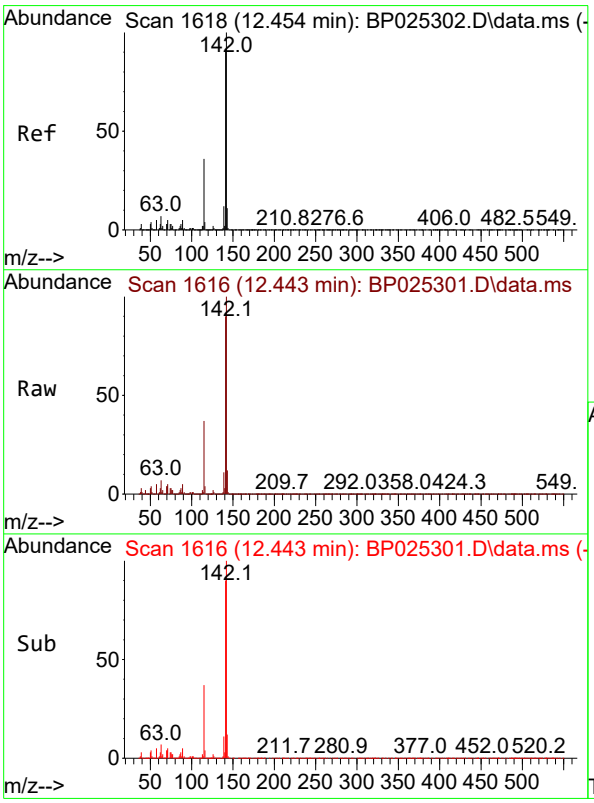
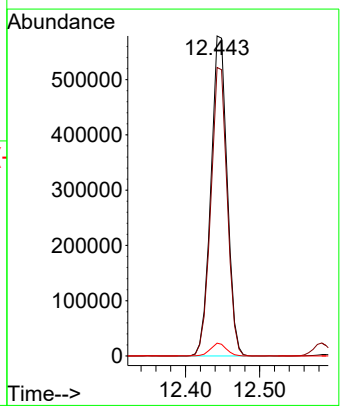
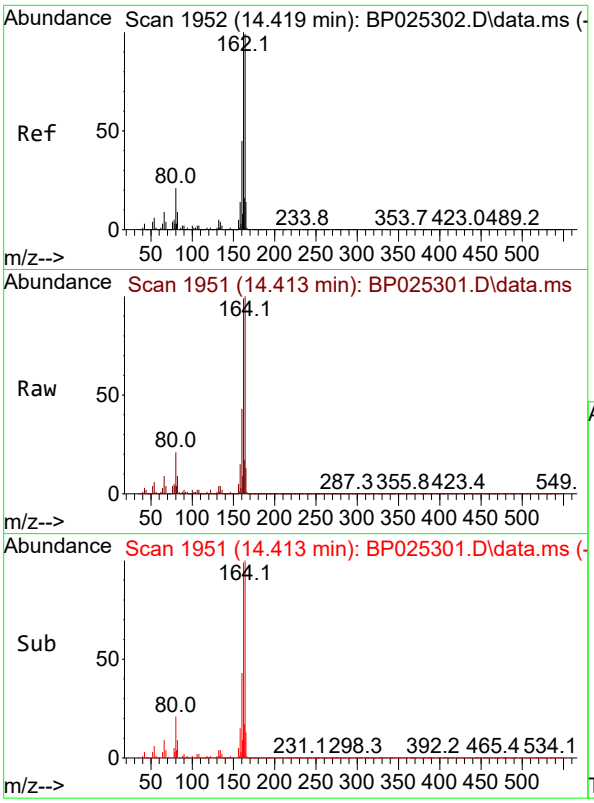


#38
1-Methylnaphthalene
Concen: 20.058 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:142 Resp: 884130

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	4.0	3.0	4.6

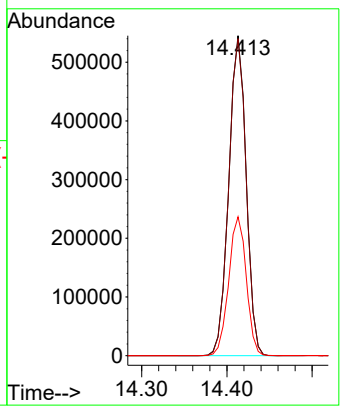




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:164 Resp: 77274

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	43.4	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
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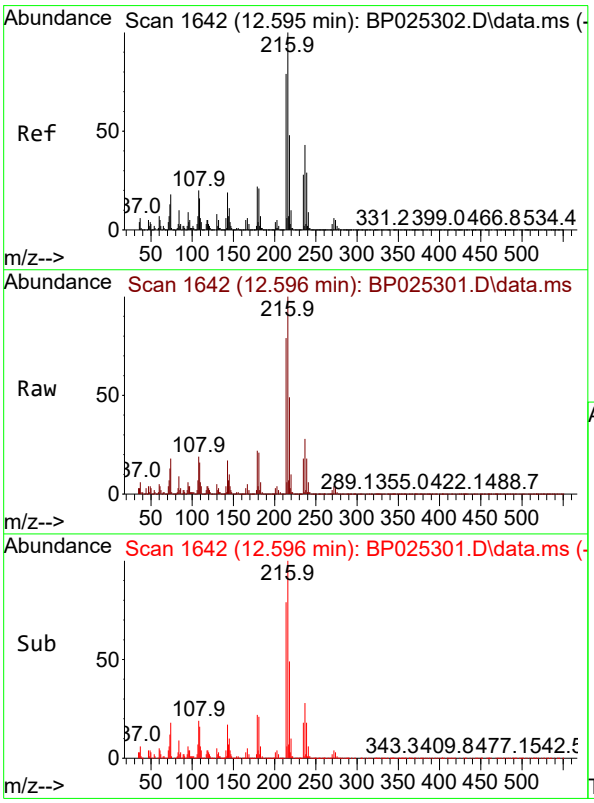
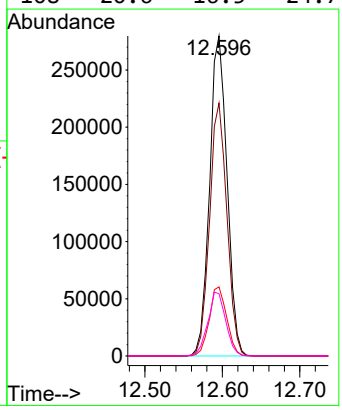
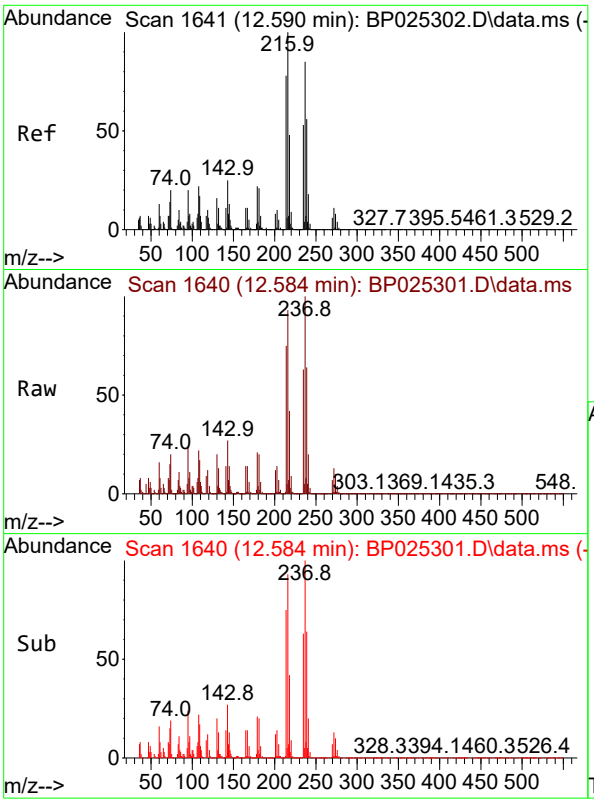


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.666 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:216 Resp: 435991

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	21.7	17.5	26.3
108	20.6	16.5	24.7

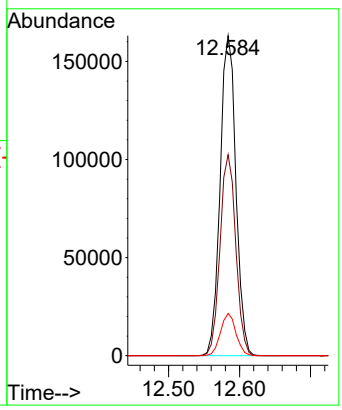




#41
Hexachlorocyclopentadiene
Concen: 19.234 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:237 Resp: 25044

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.2	82.2
272	13.2	0.0	32.8



Instrument :
BNA_P
ClientSampleId :
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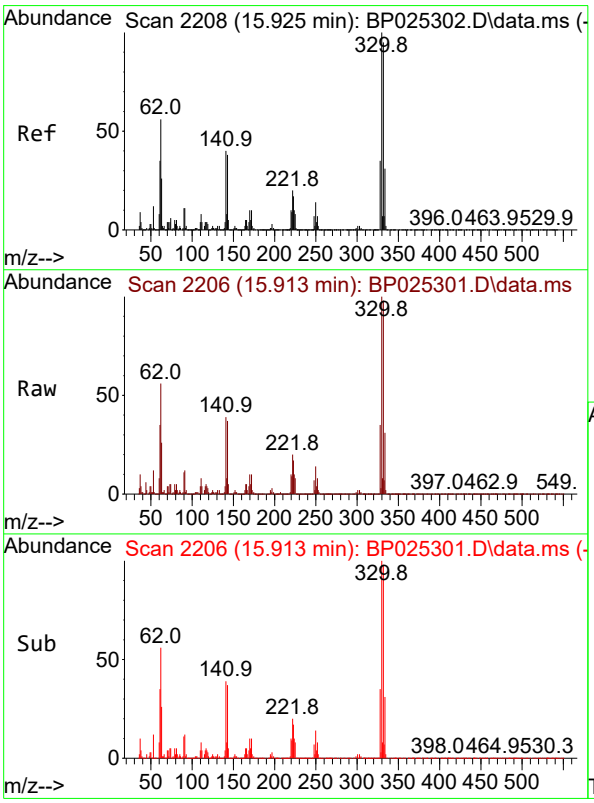
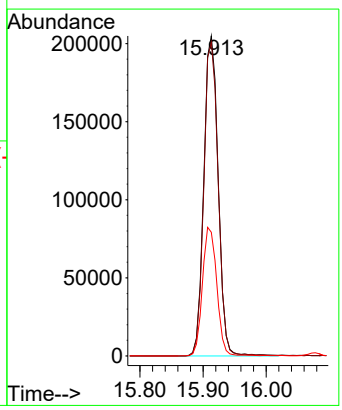
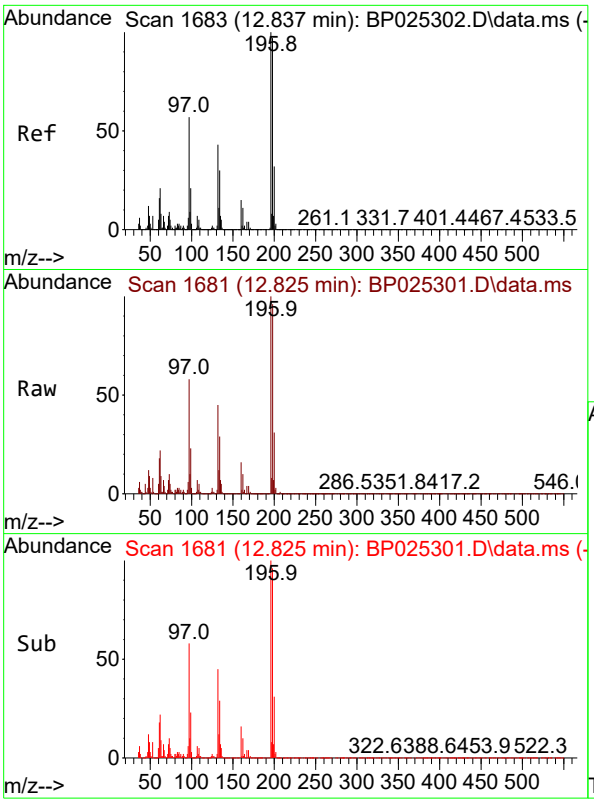


#42
2,4,6-Tribromophenol
Concen: 40.747 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:330 Resp: 325099

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	40.2	31.7	47.5

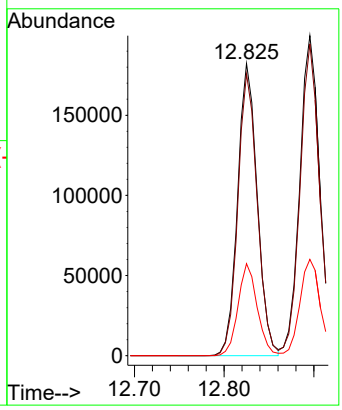




#43
2,4,6-Trichlorophenol
Concen: 20.330 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:196 Resp: 27707

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.3	115.9
200	31.5	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
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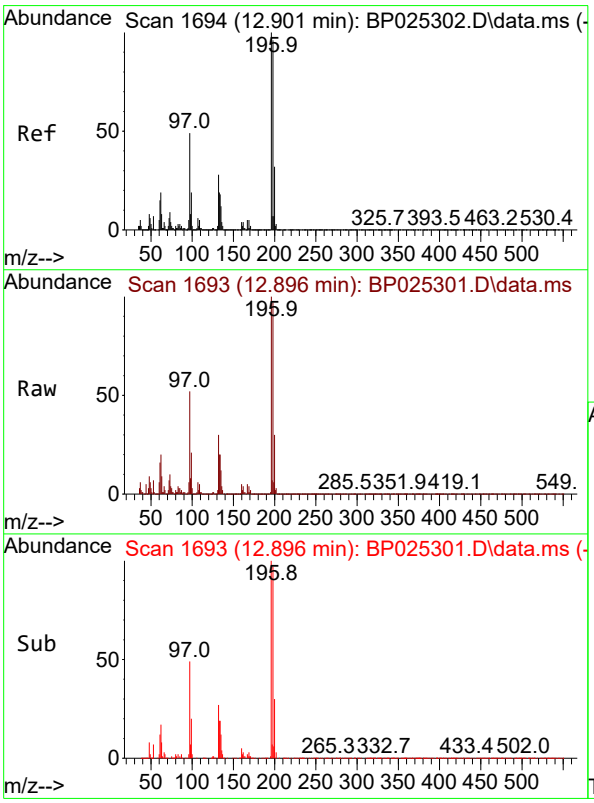
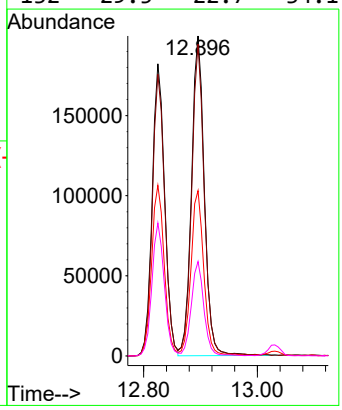
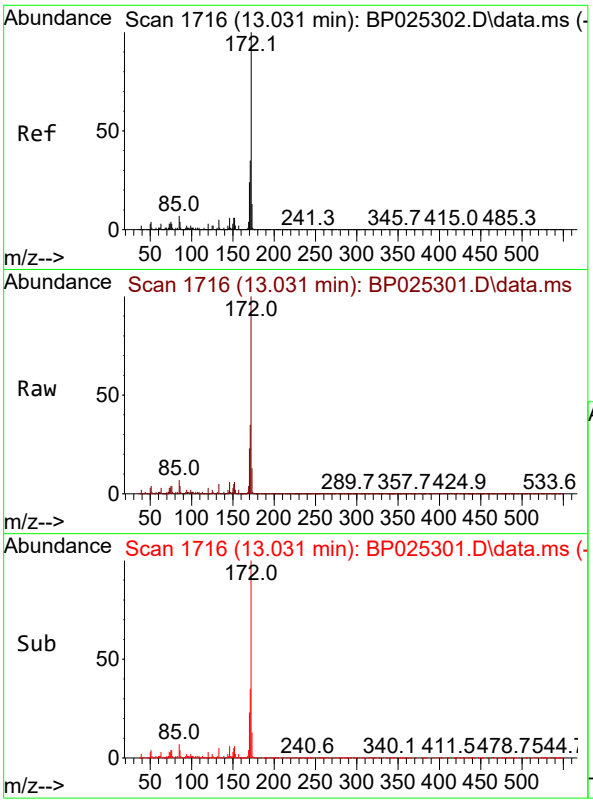


#44
2,4,5-Trichlorophenol
Concen: 20.622 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:196 Resp: 315277

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.6	114.8
97	51.7	39.5	59.3
132	29.5	22.7	34.1

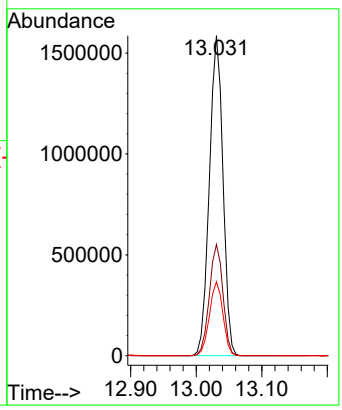




#45
2-Fluorobiphenyl
Concen: 41.076 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:172 Resp: 228583

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3



Instrument :
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ClientSampleId :
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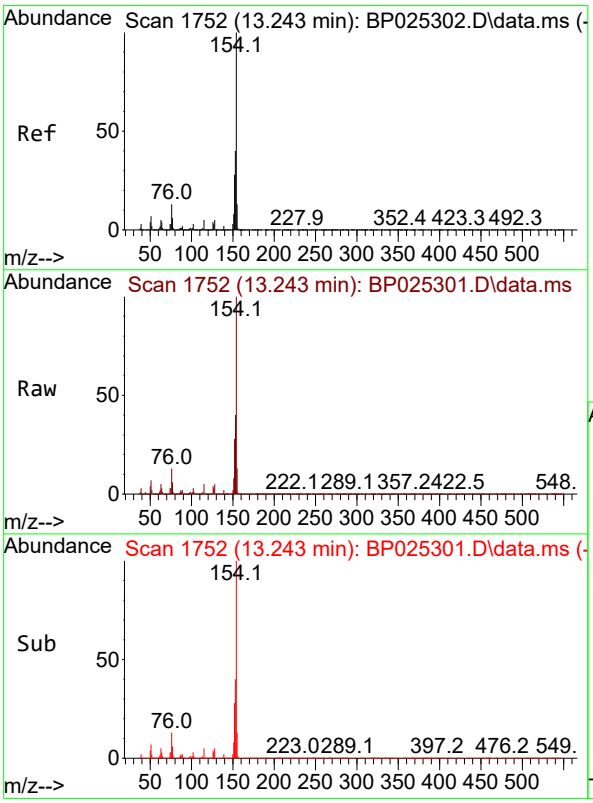
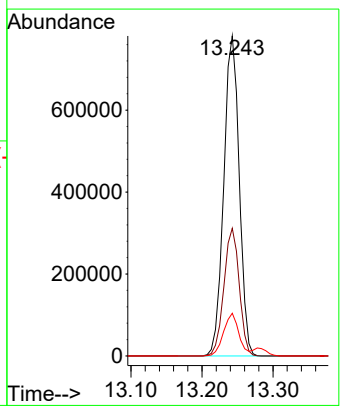
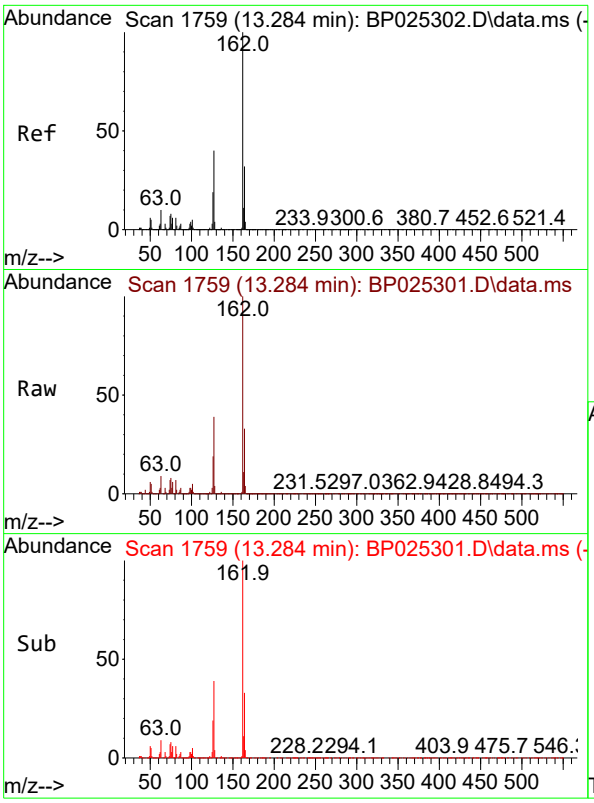


#46
1,1'-Biphenyl
Concen: 20.684 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 1177906

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.3	0.0	33.2

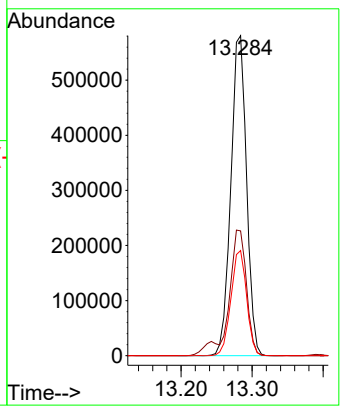




#47
2-Chloronaphthalene
Concen: 20.570 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:162 Resp: 89370

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.2	48.2
164	32.8	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
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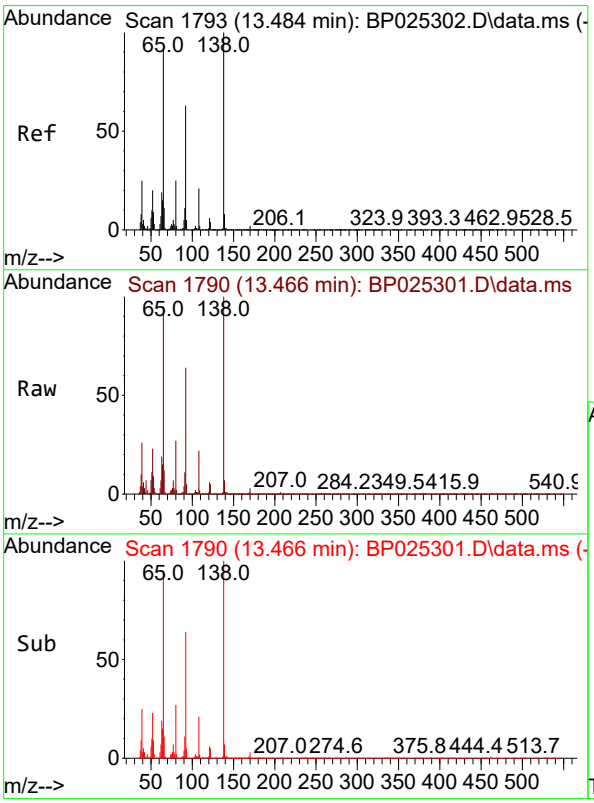
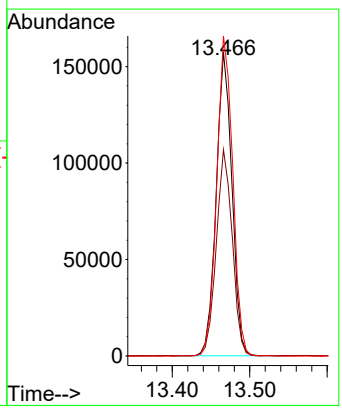
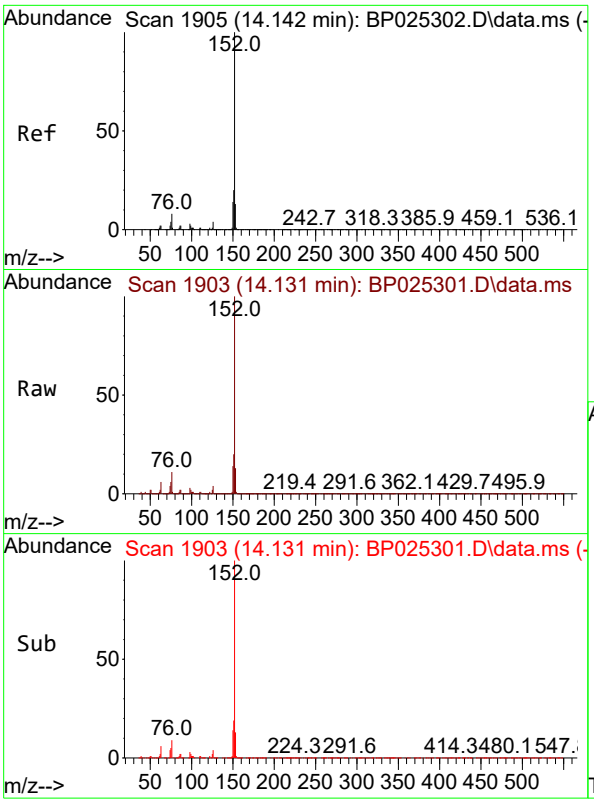


#48
2-Nitroaniline
Concen: 19.318 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 65 Resp: 221835

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.4	81.6
138	105.4	87.0	130.4

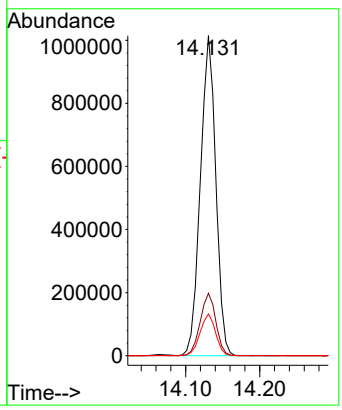




#49
Acenaphthylene
Concen: 20.274 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:152 Resp: 146927

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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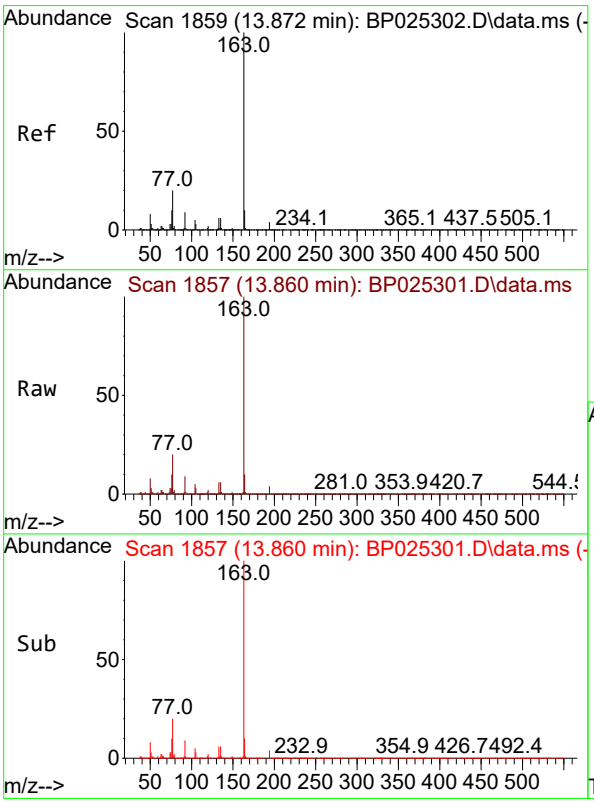
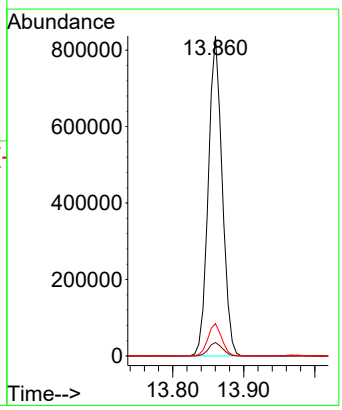
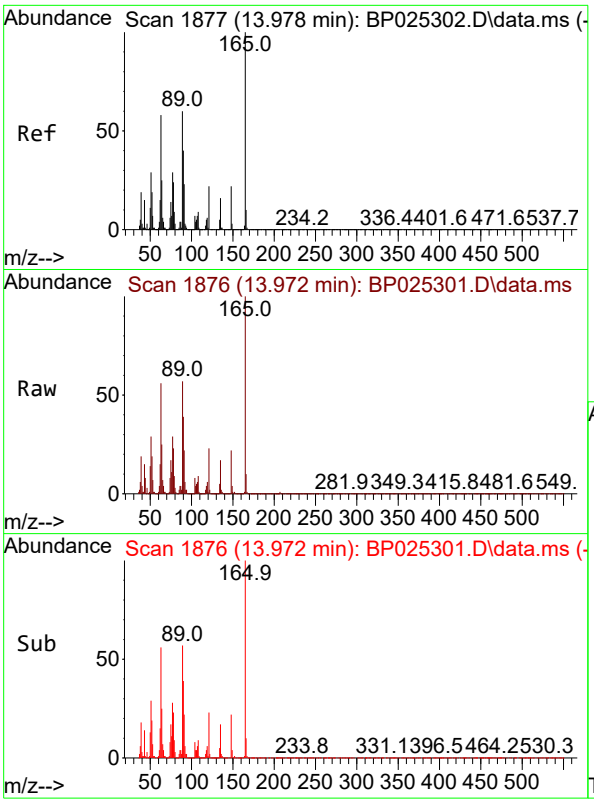


#50
Dimethylphthalate
Concen: 20.169 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:163 Resp: 1136145

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0

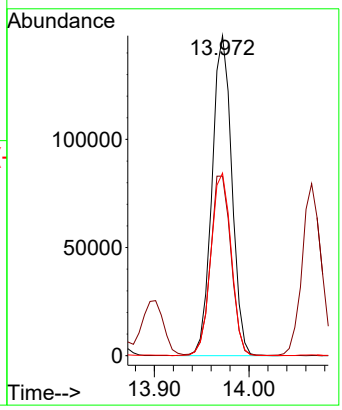




#51
2,6-Dinitrotoluene
Concen: 20.669 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:165 Resp: 21476

Ion	Ratio	Lower	Upper
165	100		
63	56.1	47.6	71.4
89	57.1	47.8	71.8



Instrument :
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ClientSampleId :
SSTDICC020

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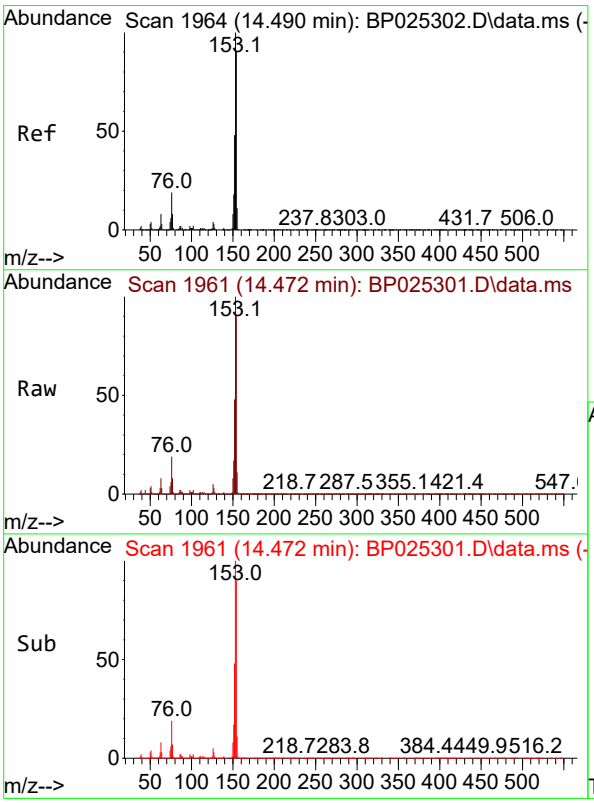
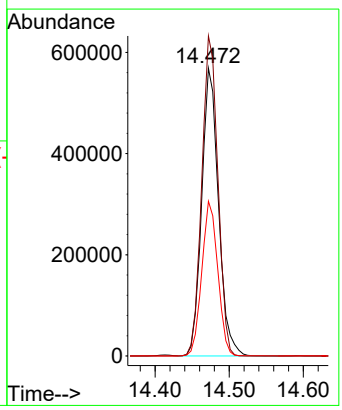
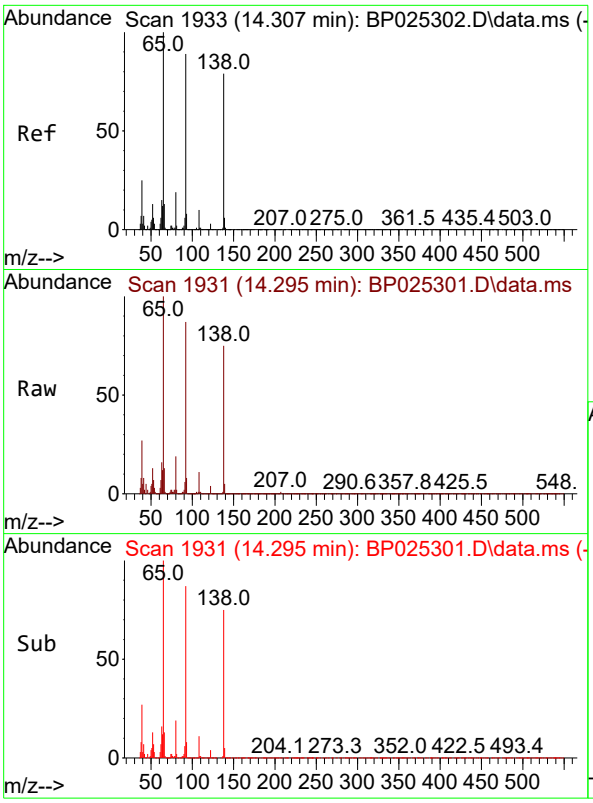


#52
Acenaphthene
Concen: 20.209 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 893336

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.4	134.0
152	53.8	43.0	64.6





#53
3-Nitroaniline
Concen: 20.146 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:138 Resp: 24494

Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.5	15.7
92	117.0	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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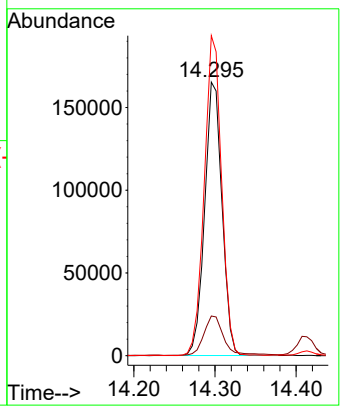
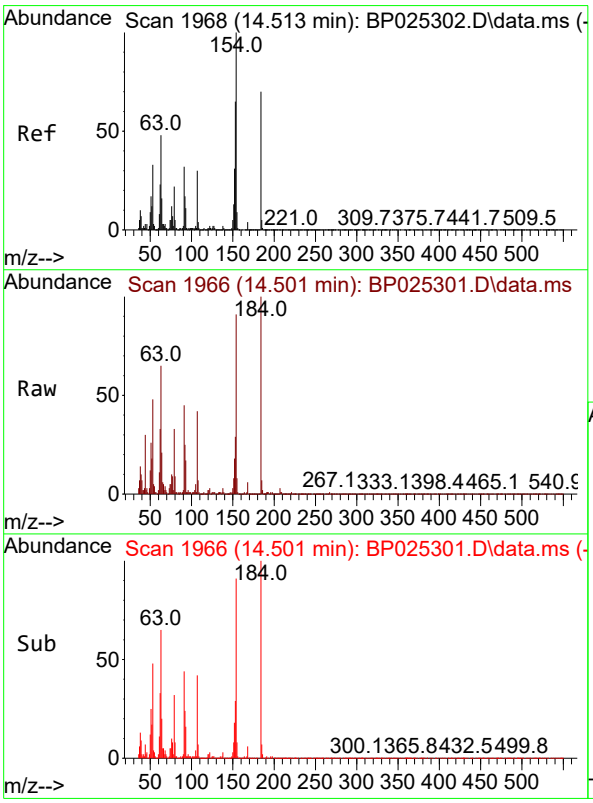
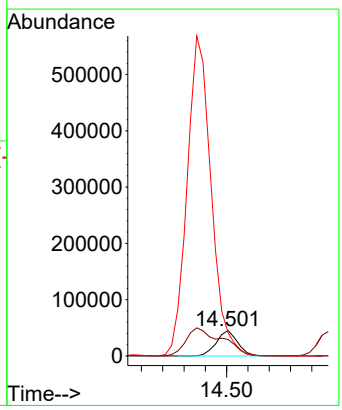


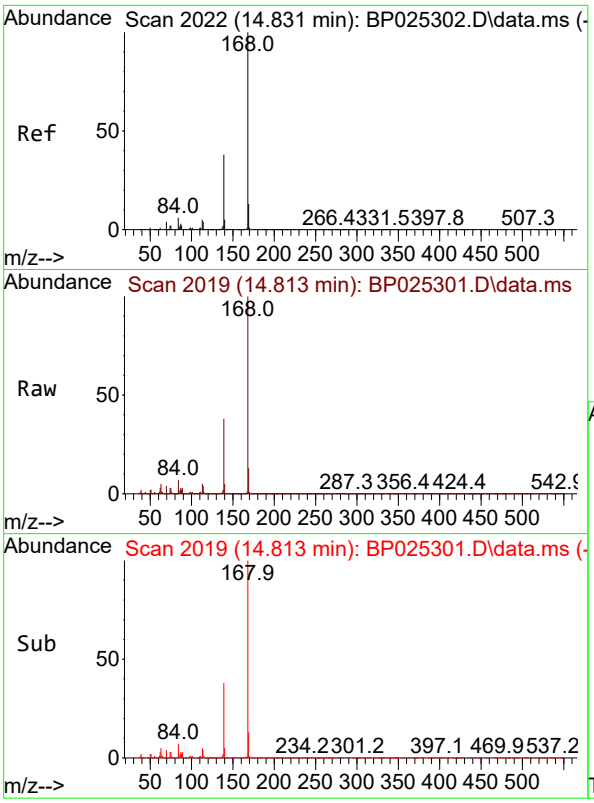


#54
2,4-Dinitrophenol
Concen: 20.728 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:184 Resp: 62185

Ion	Ratio	Lower	Upper
184	100		
63	65.0	56.3	84.5
154	91.0	124.5	186.7#

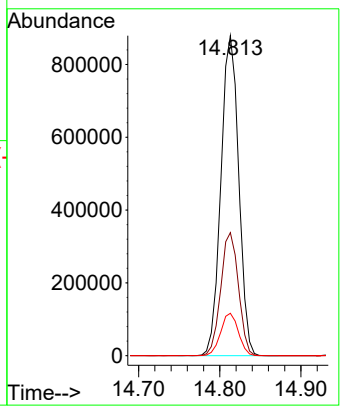




#55
Dibenzofuran
Concen: 20.295 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:168 Resp: 134067

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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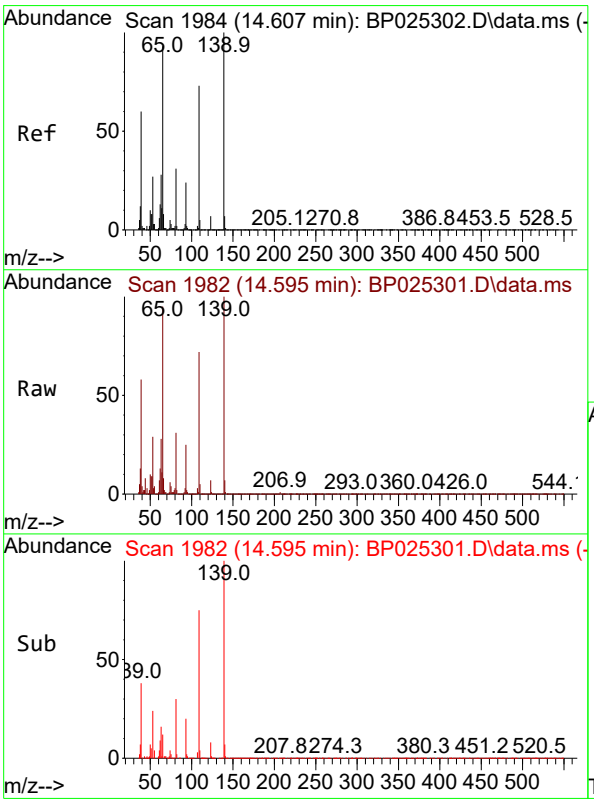
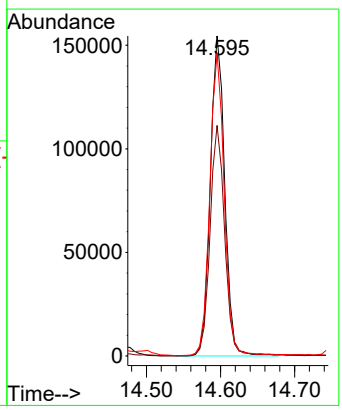
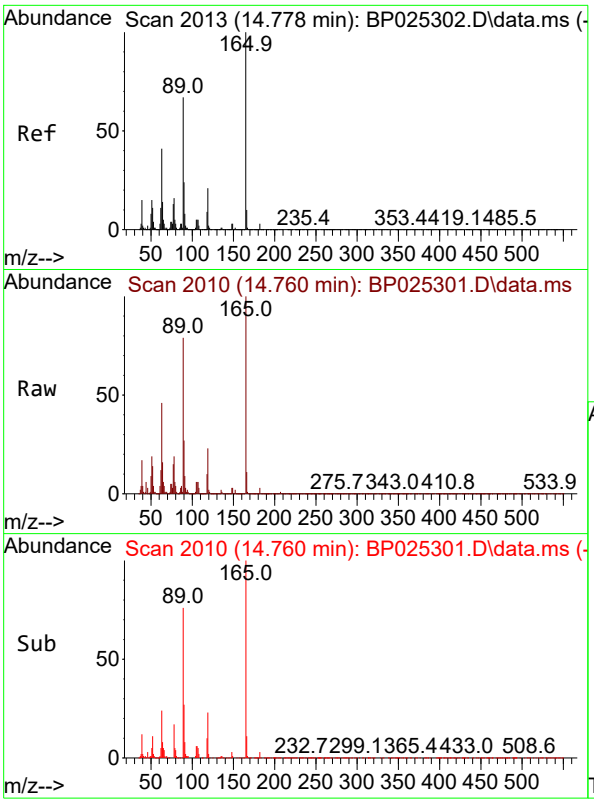


#56
4-Nitrophenol
Concen: 19.428 ng
RT: 14.595 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 208471

Ion	Ratio	Lower	Upper
139	100		
109	72.0	52.7	92.7
65	94.6	73.4	113.4

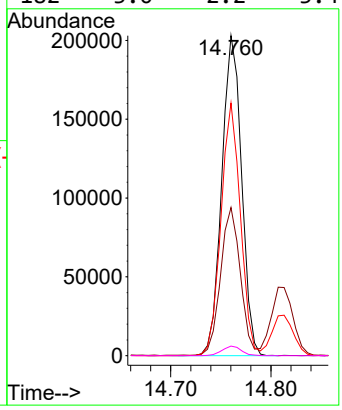




#57
2,4-Dinitrotoluene
Concen: 19.379 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:165 Resp: 27860

Ion	Ratio	Lower	Upper
165	100		
63	46.3	33.2	49.8
89	78.9	53.5	80.3
182	3.0	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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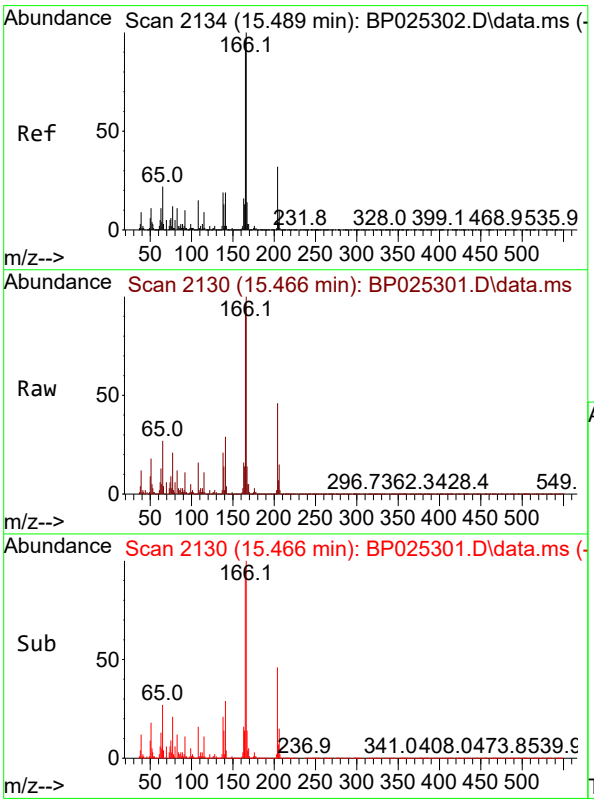
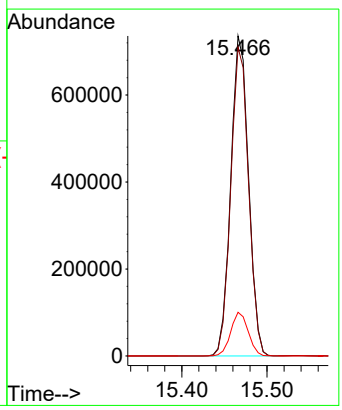
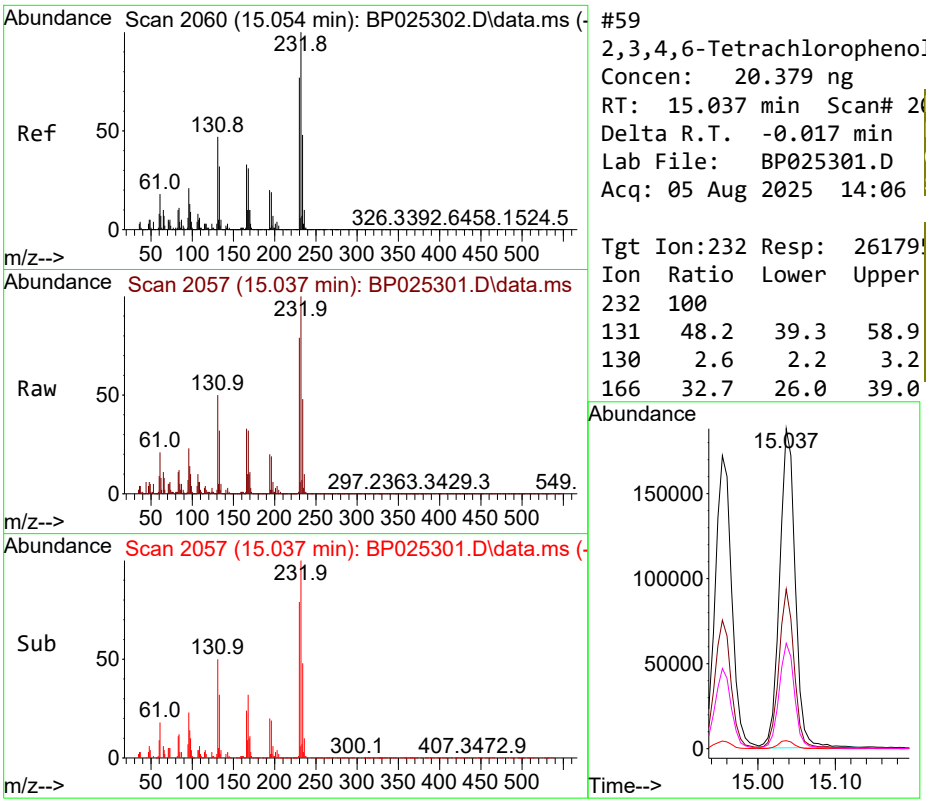


#58
Fluorene
Concen: 20.540 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:166 Resp: 1065702

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.7	115.1
167	13.7	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.379 ng
RT: 15.037 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:232 Resp: 26179

Ion	Ratio	Lower	Upper
232	100		
131	48.2	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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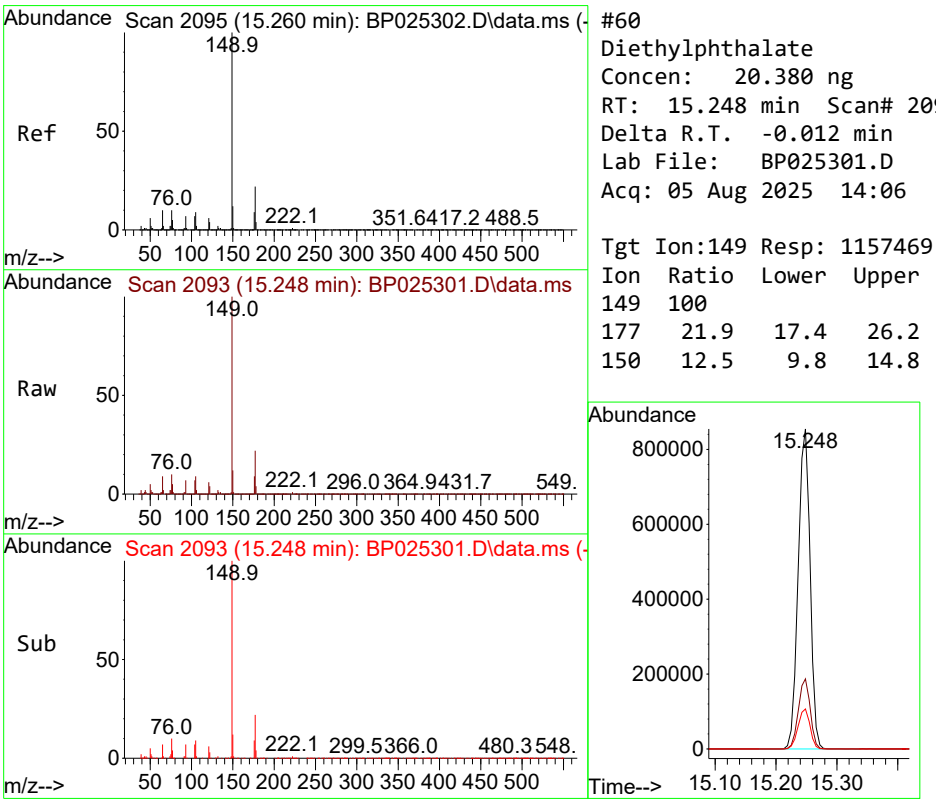
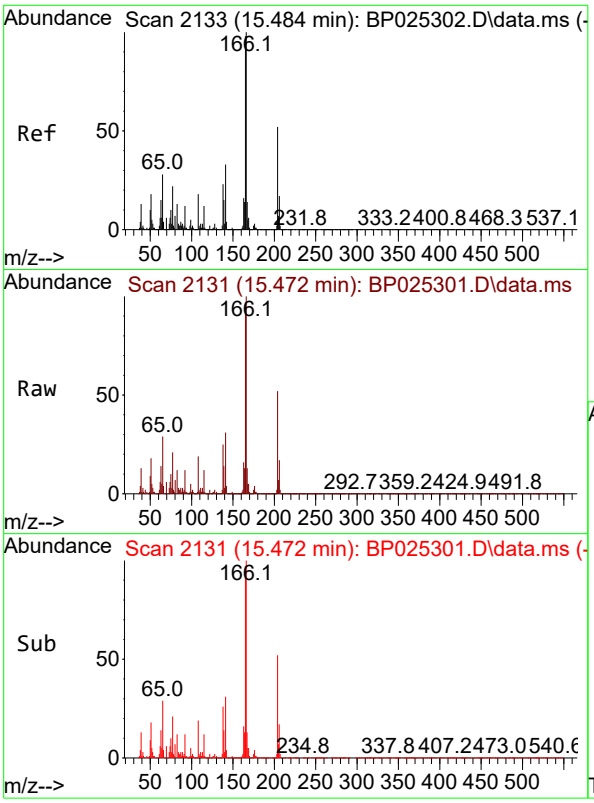


#60
Diethylphthalate
Concen: 20.380 ng
RT: 15.248 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1157469

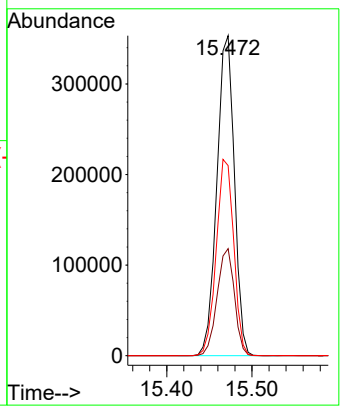
Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.5	9.8	14.8



#61
4-Chlorophenyl-phenylether
Concen: 20.445 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:204 Resp: 50287

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.0	40.4
141	59.4	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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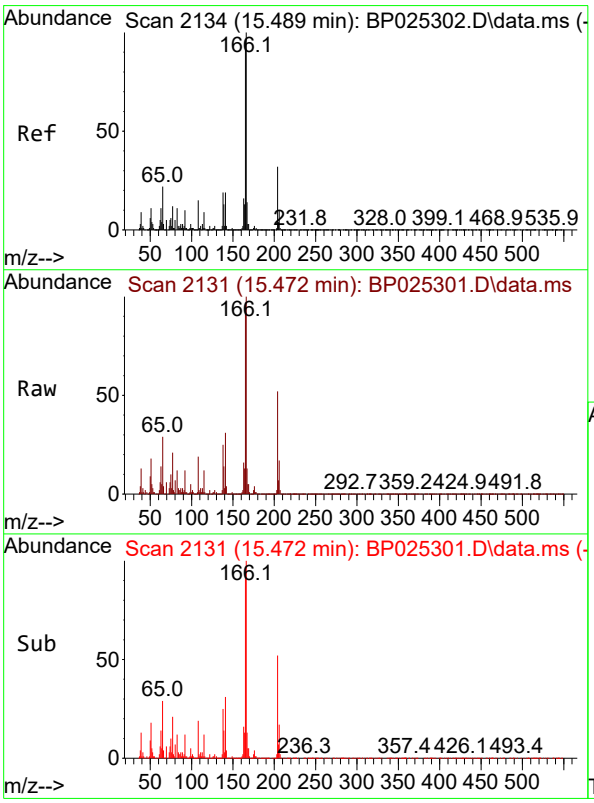
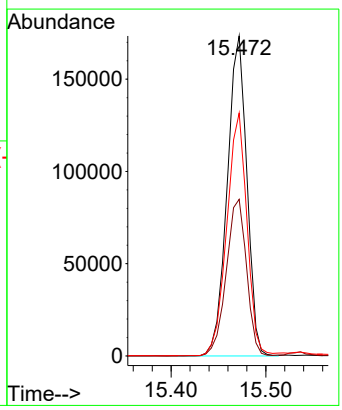
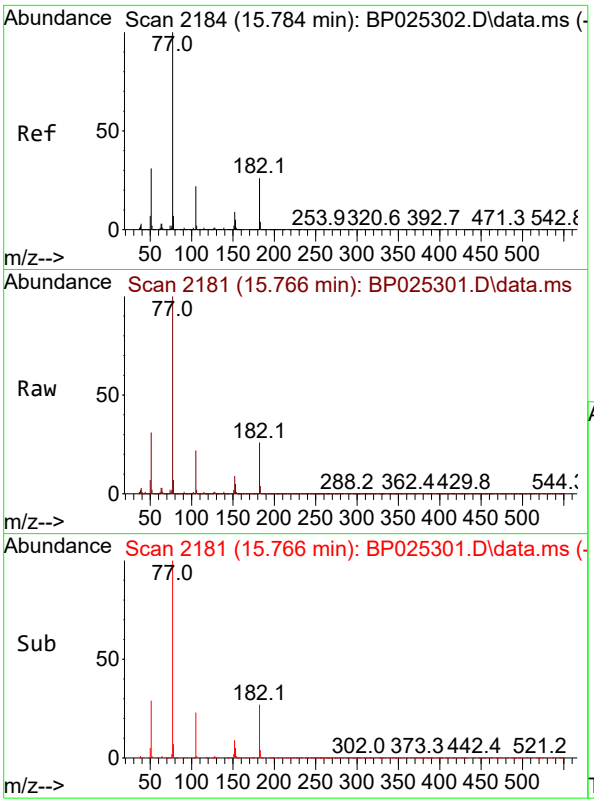


#62
4-Nitroaniline
Concen: 20.775 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:138 Resp: 250280

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.8	69.8
108	75.9	56.6	96.6

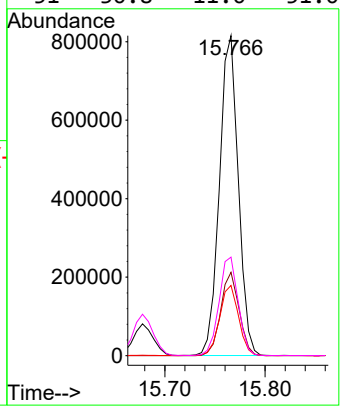




#63
Azobenzene
Concen: 20.145 ng
RT: 15.766 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 106286

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.0	2.1	42.1
51	30.8	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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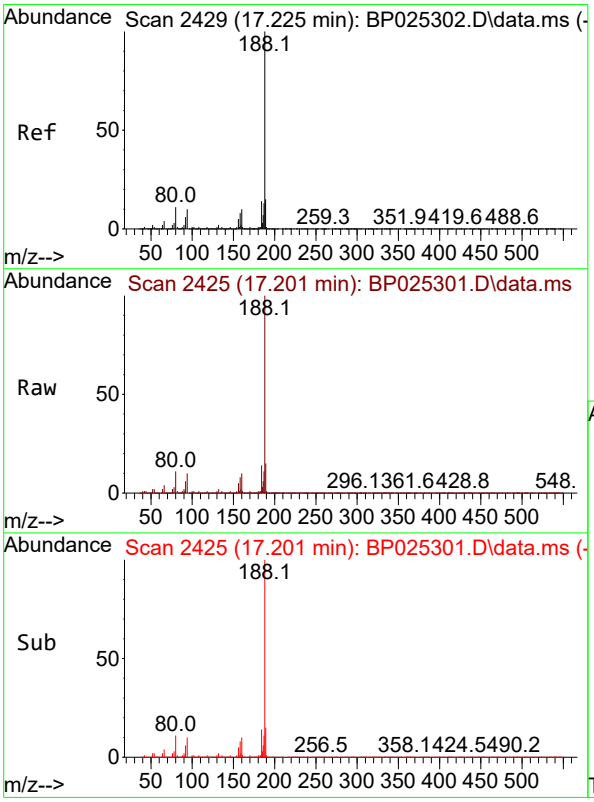
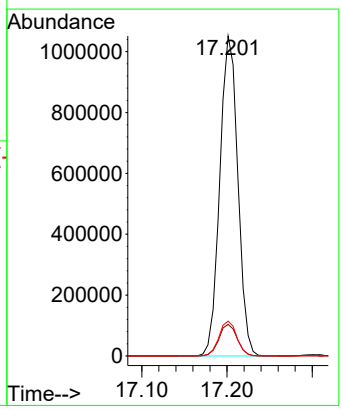
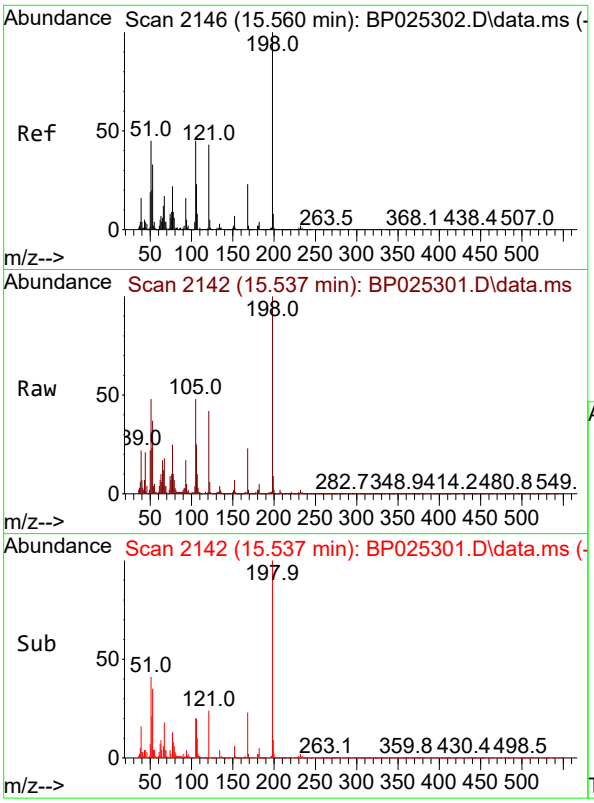


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:188 Resp: 1545091

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.9	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 20.007 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:198 Resp: 9682

Ion	Ratio	Lower	Upper
198	100		
51	47.7	26.7	66.7
105	48.2	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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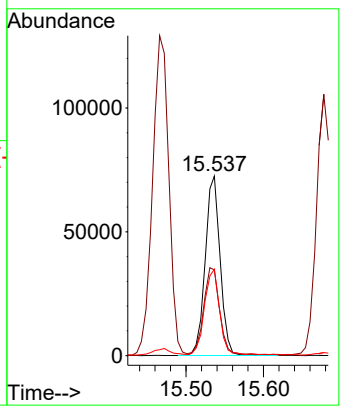
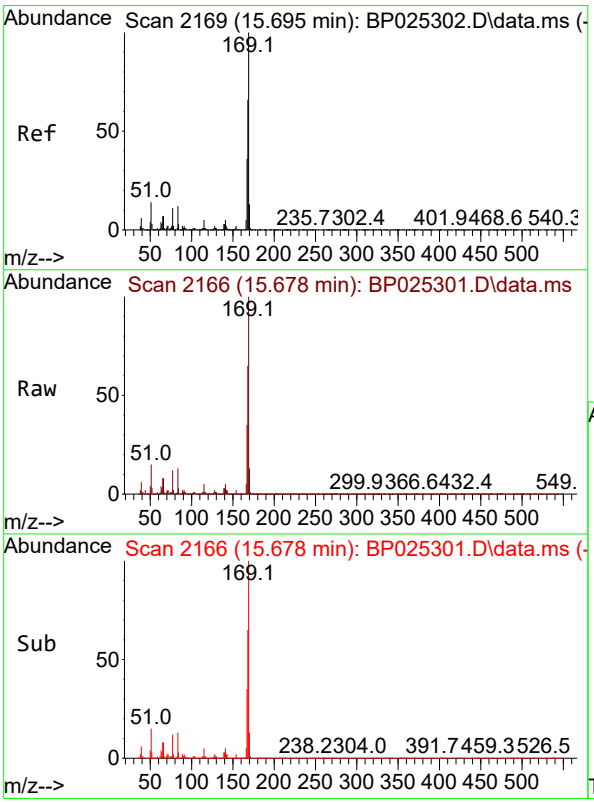
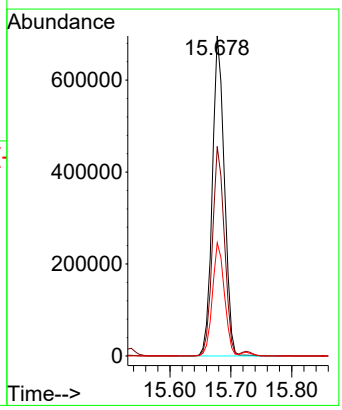


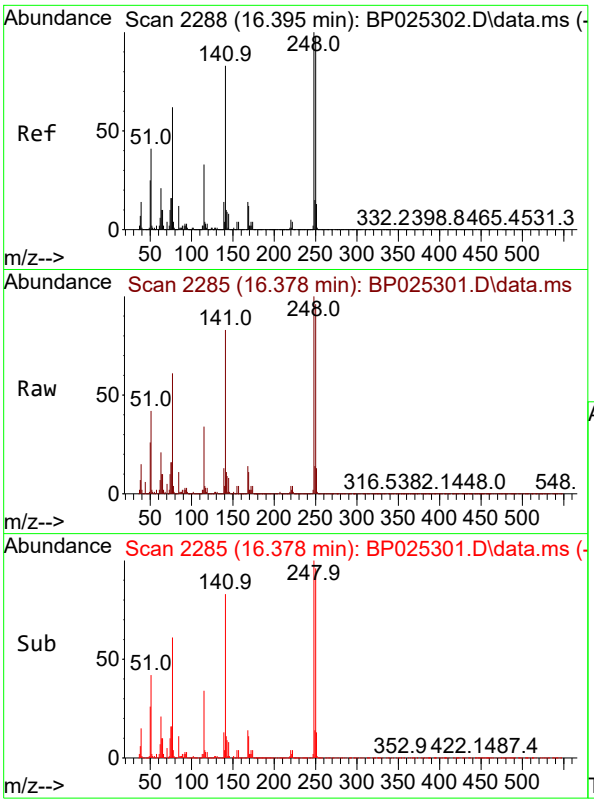


#66
n-Nitrosodiphenylamine
Concen: 20.292 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:169 Resp: 954626

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.8	79.2
167	35.4	28.5	42.7

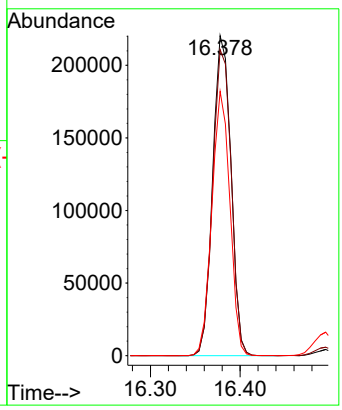




#67
4-Bromophenyl-phenylether
Concen: 20.033 ng
RT: 16.378 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:248 Resp: 31144

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.6	117.8
141	82.6	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
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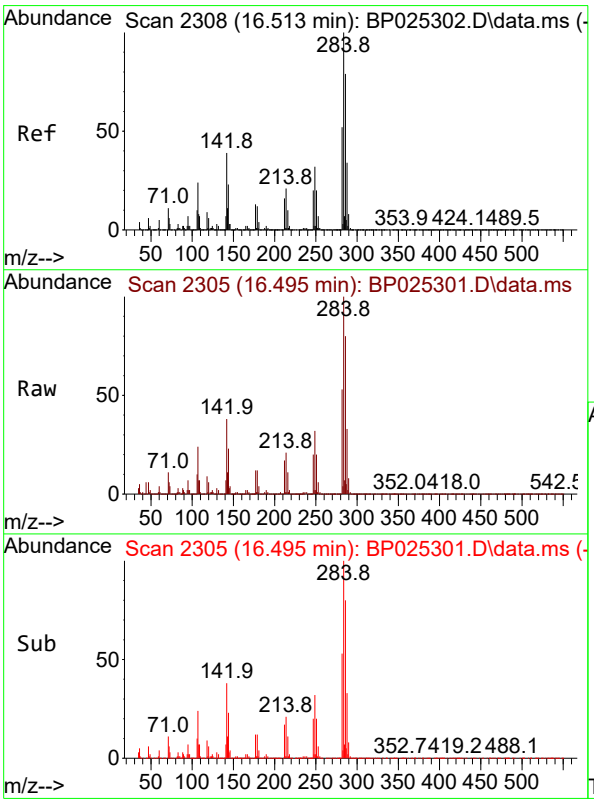
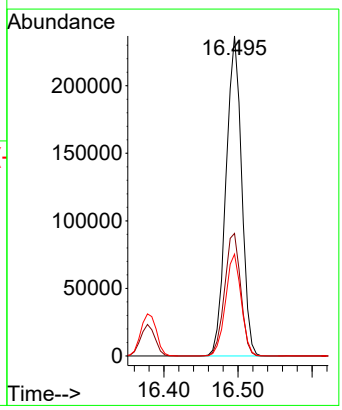
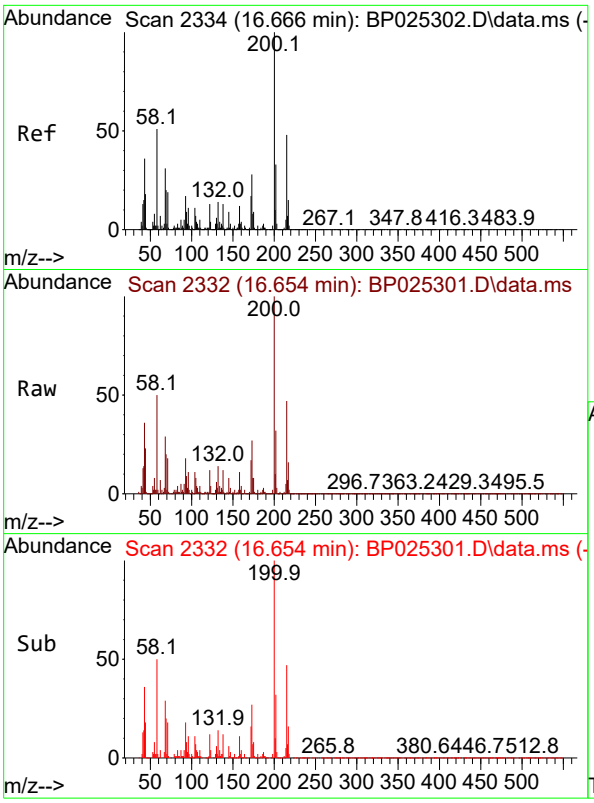


#68
Hexachlorobenzene
Concen: 19.800 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:284 Resp: 345386

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.8	46.2
249	31.8	25.4	38.0

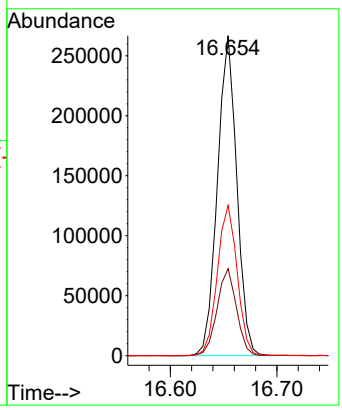




#69
Atrazine
Concen: 20.337 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:200 Resp: 33647

Ion	Ratio	Lower	Upper
200	100		
173	27.2	8.2	48.2
215	47.0	28.1	68.1



Instrument :
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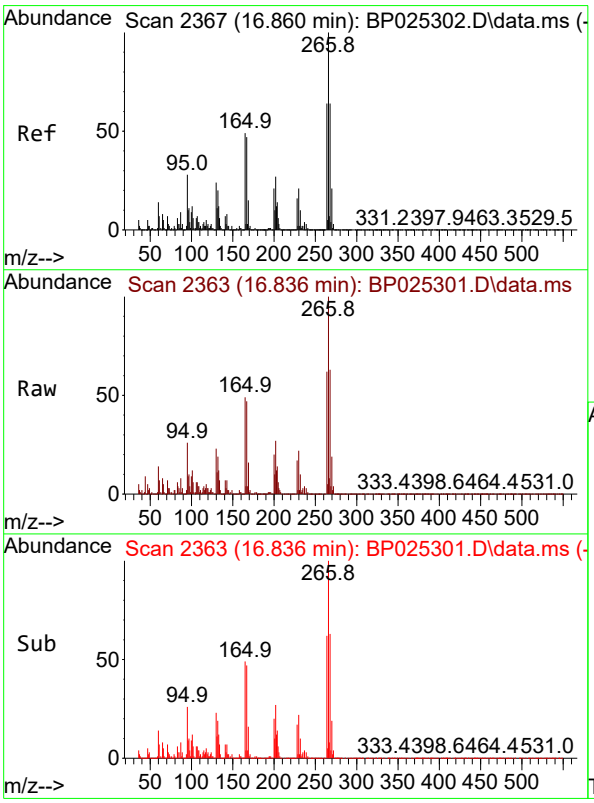
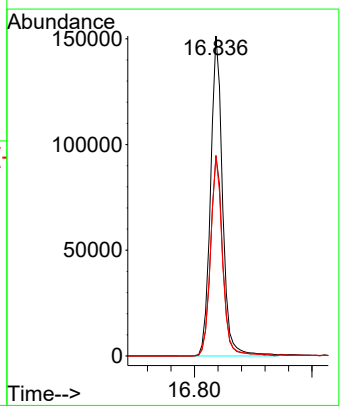
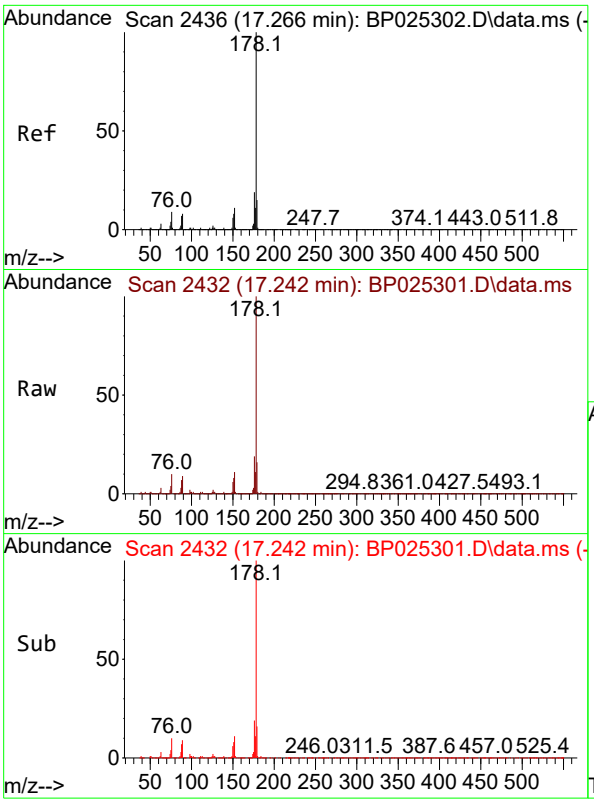


#70
Pentachlorophenol
Concen: 19.278 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:266 Resp: 214251

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.4	77.0
264	62.5	51.1	76.7

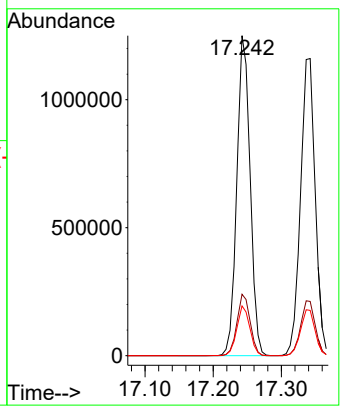




#71
Phenanthrene
Concen: 20.038 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:178 Resp: 169571

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.1	18.1



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ClientSampleId :
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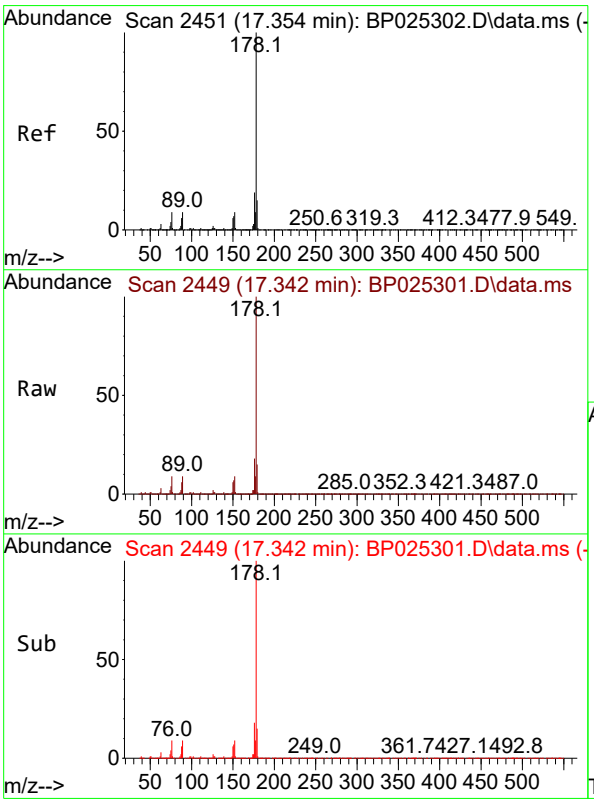
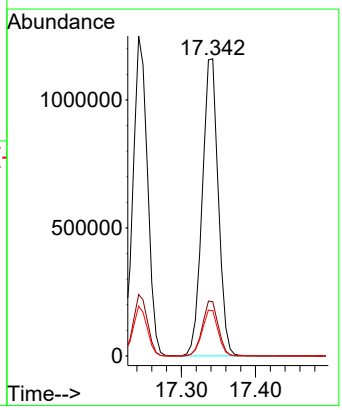
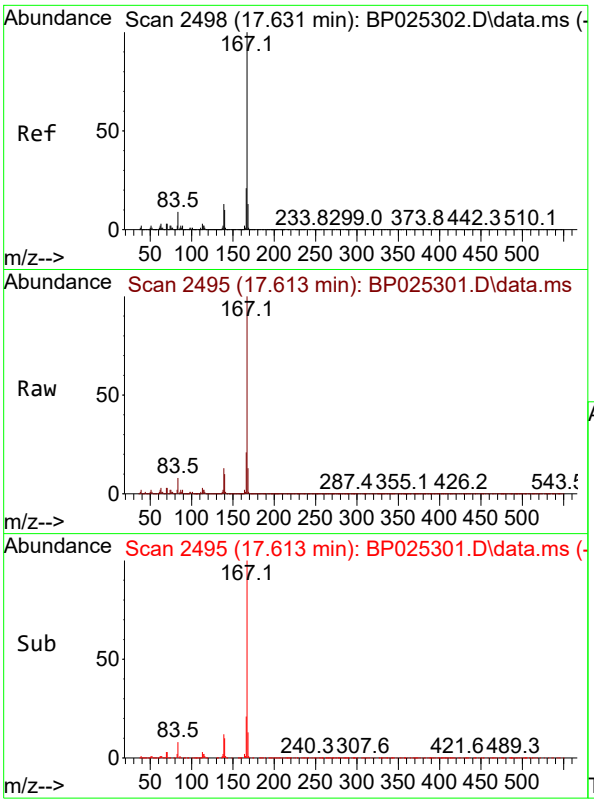


#72
Anthracene
Concen: 20.442 ng
RT: 17.342 min Scan# 2449
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:178 Resp: 1744320

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.3	18.5

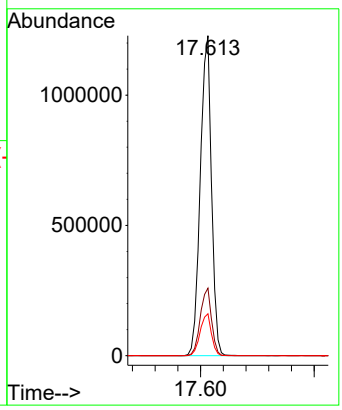




#73
Carbazole
Concen: 20.485 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:167 Resp: 167791

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	13.1	10.6	16.0



Instrument :
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ClientSampleId :
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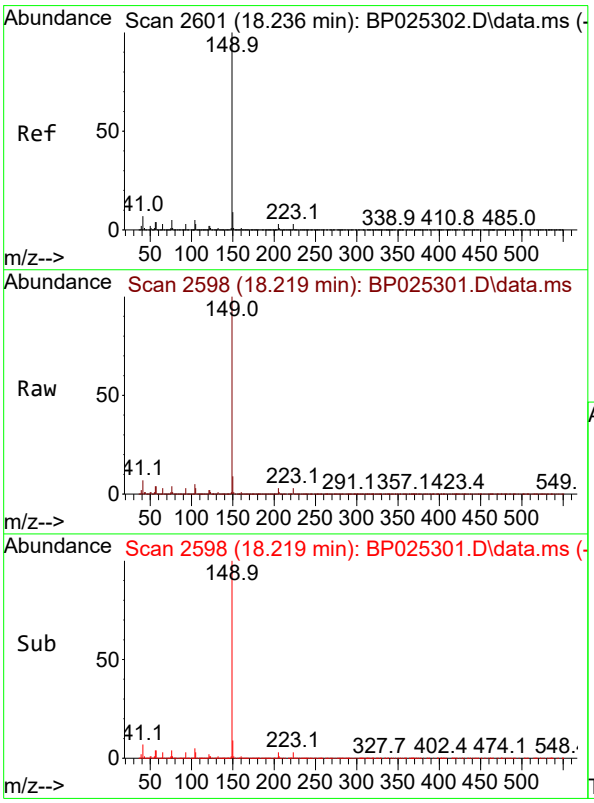
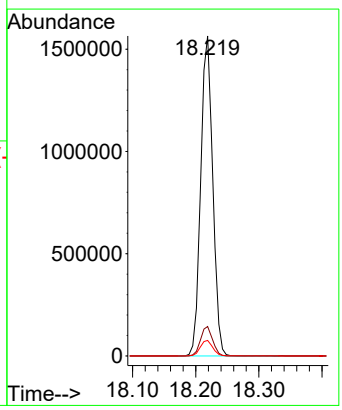
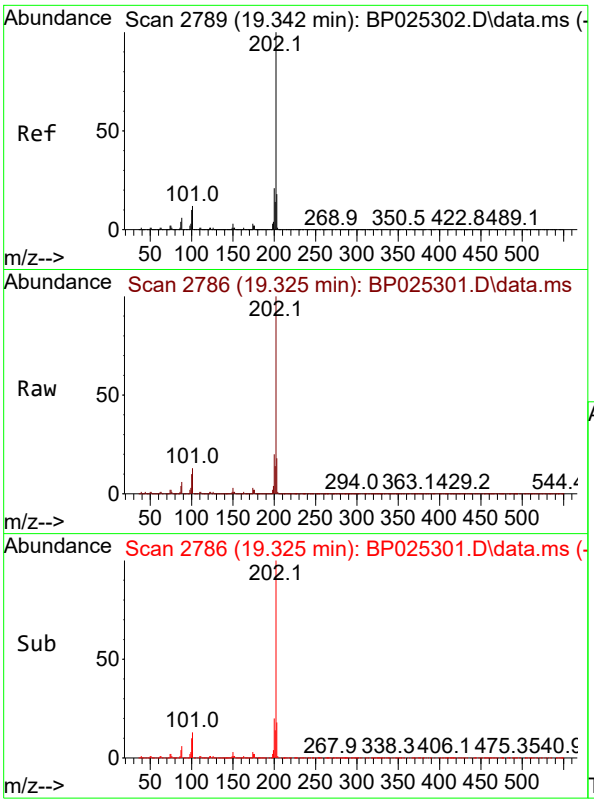


#74
Di-n-butylphthalate
Concen: 20.853 ng
RT: 18.219 min Scan# 2598
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 2066393

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1

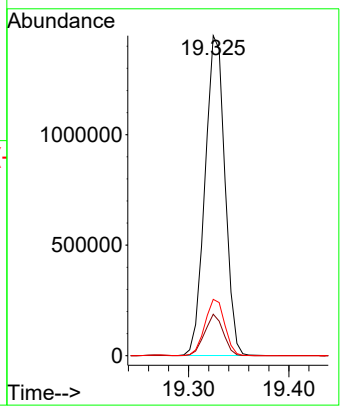




#75
Fluoranthene
Concen: 20.364 ng
RT: 19.325 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:202 Resp: 199494

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	17.6	0.0	37.6



Instrument :
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ClientSampleId :
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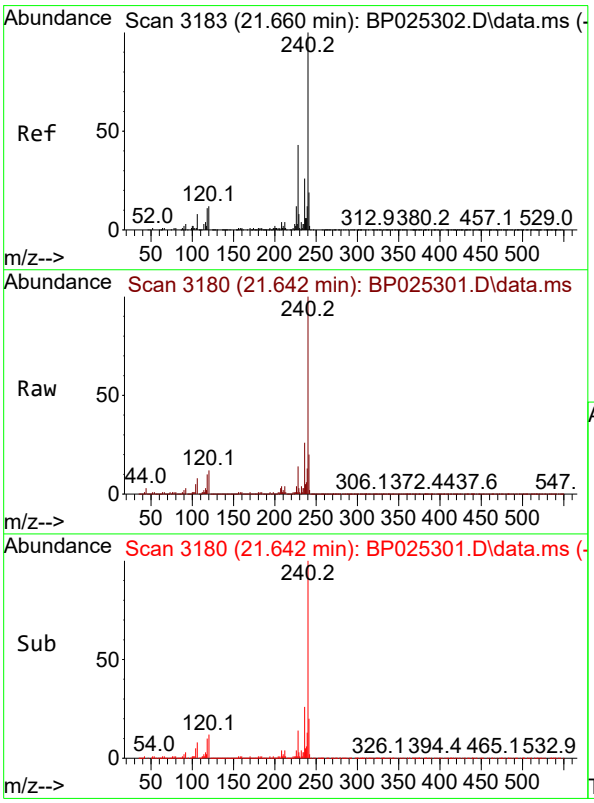
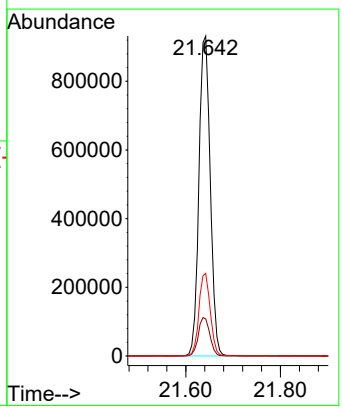
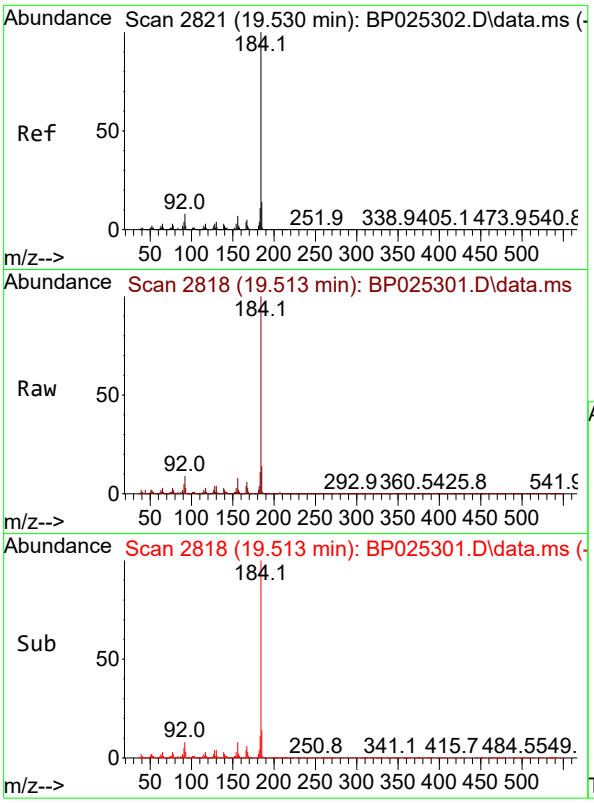


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:240 Resp: 1541869

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.8	20.4	30.6

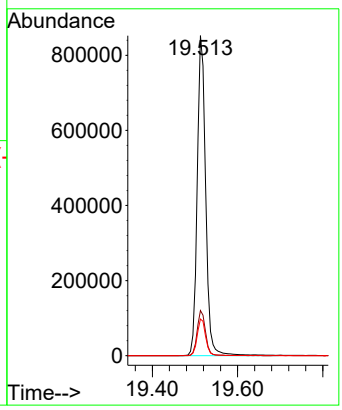




#77
Benzidine
Concen: 21.065 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:184 Resp: 117555

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.4	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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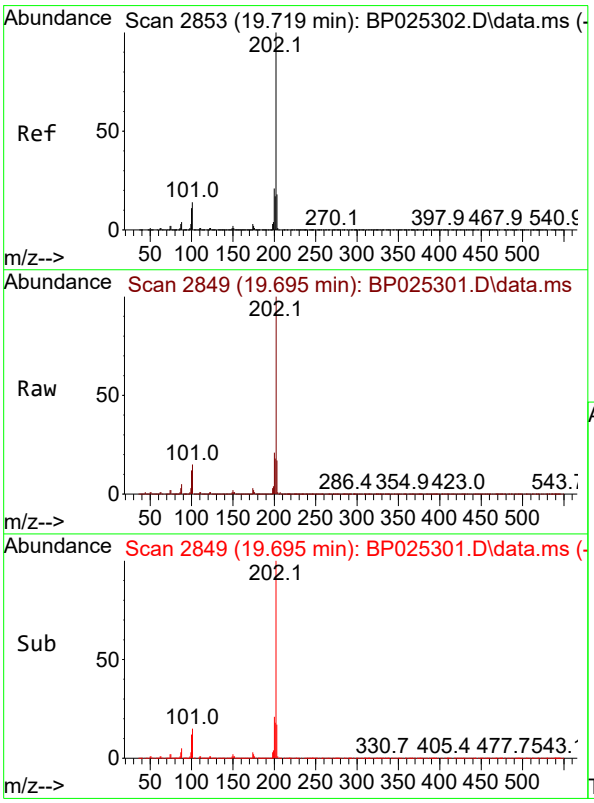
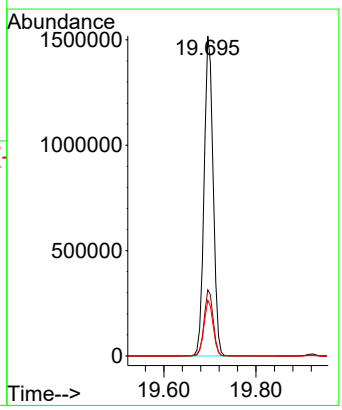
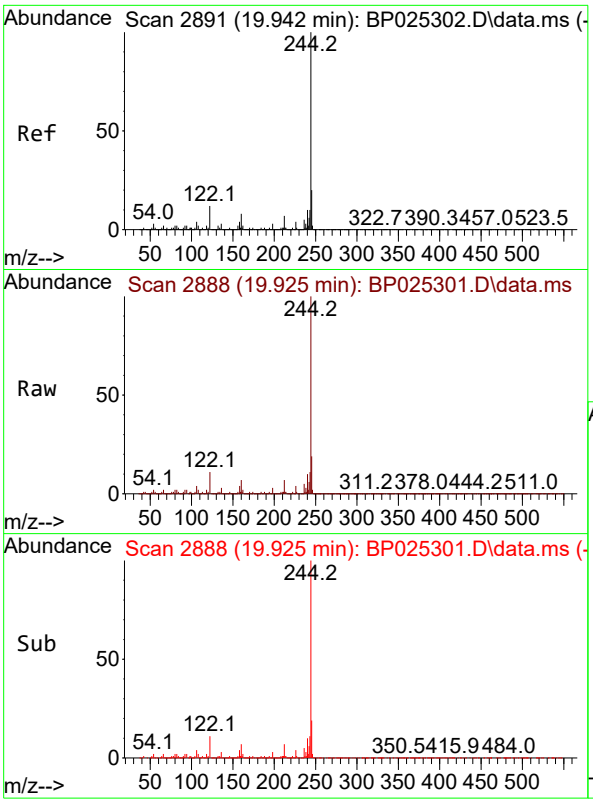


#78
Pyrene
Concen: 20.301 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:202 Resp: 2081509

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.4	14.1	21.1

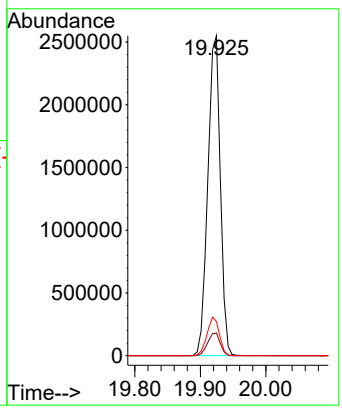




#79
Terphenyl-d14
Concen: 41.421 ng
RT: 19.925 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:244 Resp: 338065

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
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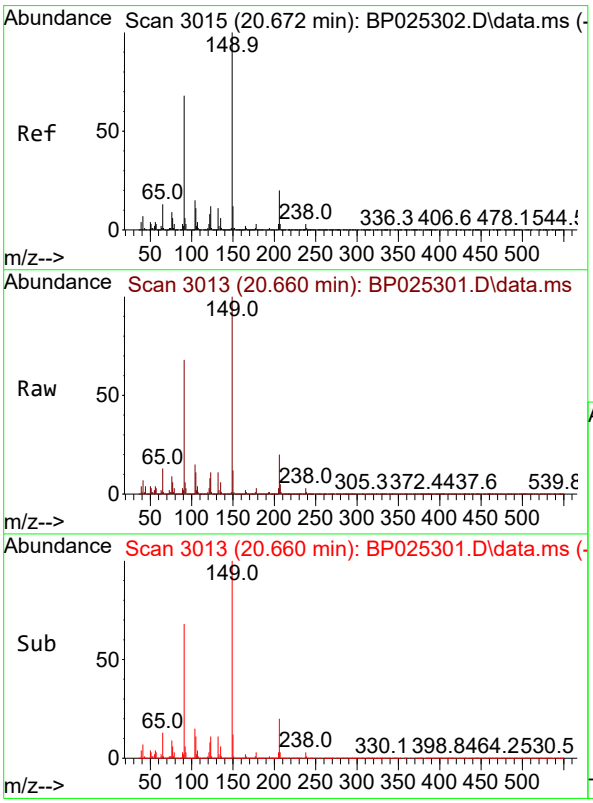
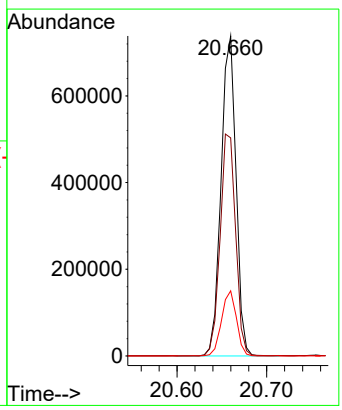
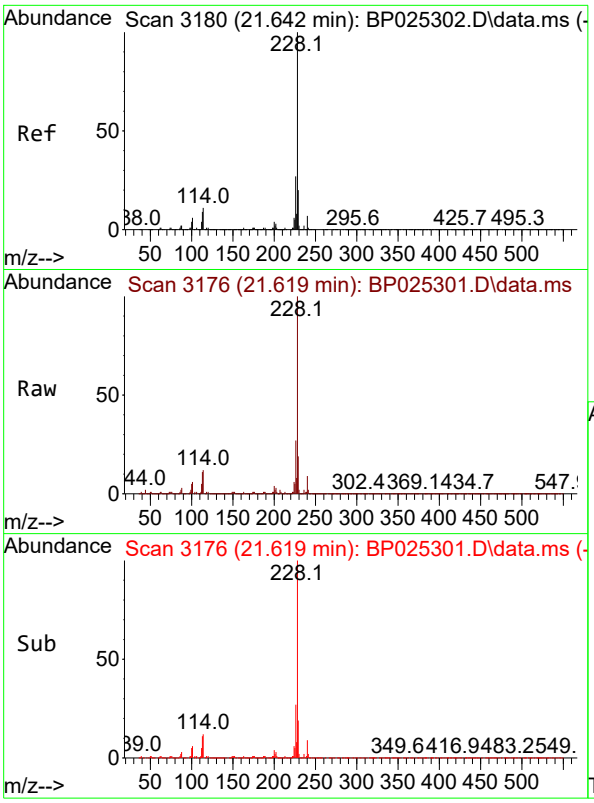


#80
Butylbenzylphthalate
Concen: 20.547 ng
RT: 20.660 min Scan# 3013
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 854396

Ion	Ratio	Lower	Upper
149	100		
91	68.2	54.7	82.1
206	20.4	16.4	24.6

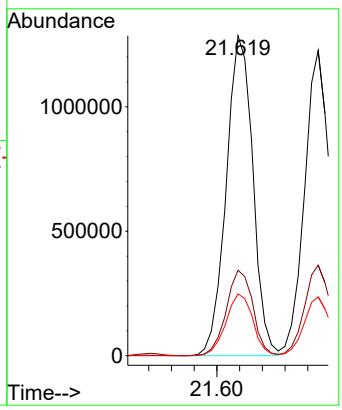




#81
Benzo(a)anthracene
Concen: 20.421 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:228 Resp: 209233

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.3	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
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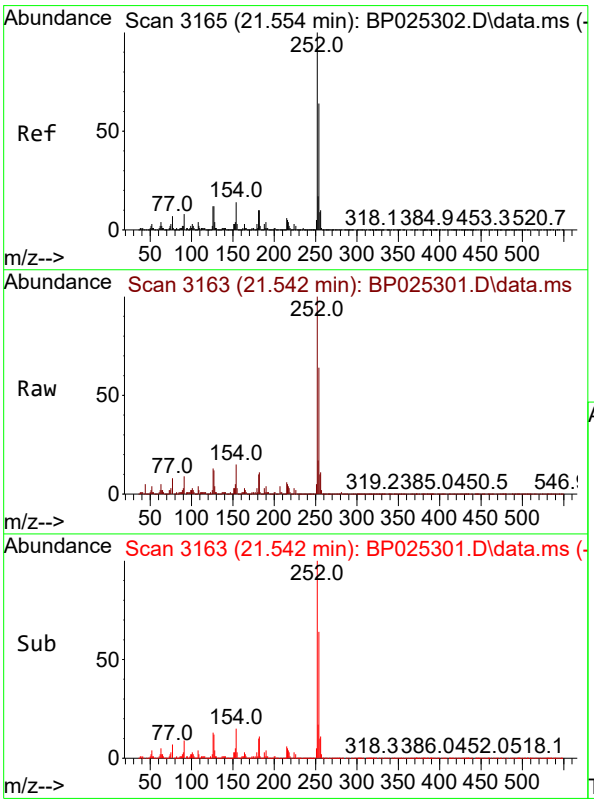
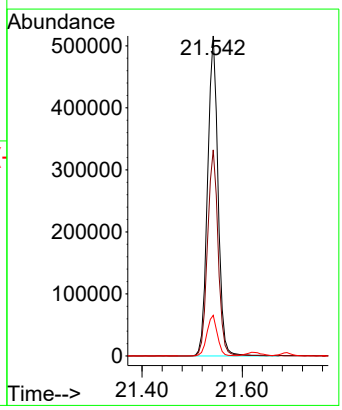
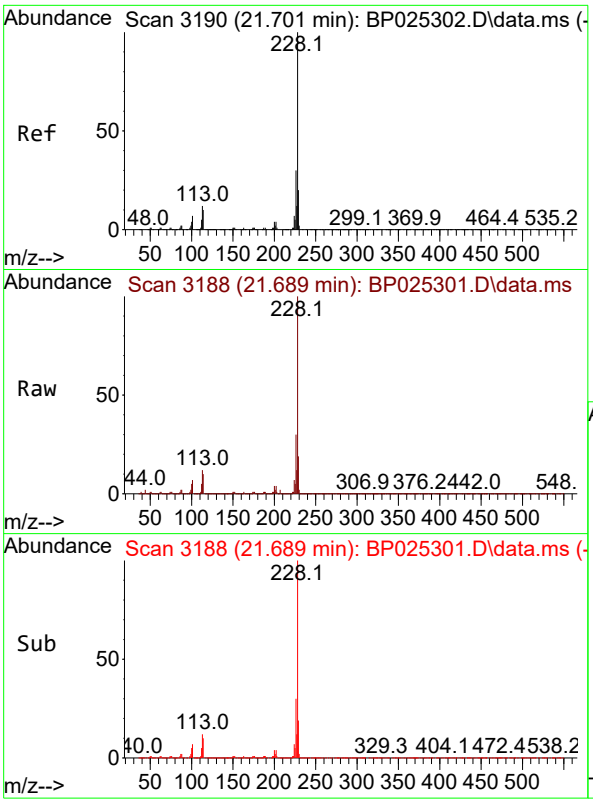


#82
3,3'-Dichlorobenzidine
Concen: 20.628 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 745703

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.7	9.4	14.2

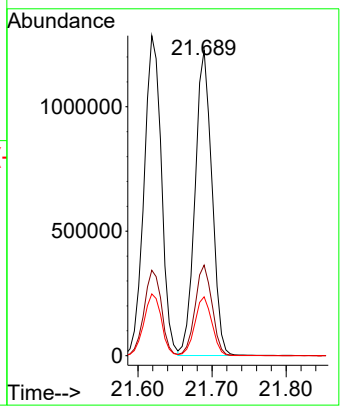




#83
Chrysene
Concen: 20.400 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:228 Resp: 193869

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.3	15.9	23.9



Instrument :
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ClientSampleId :
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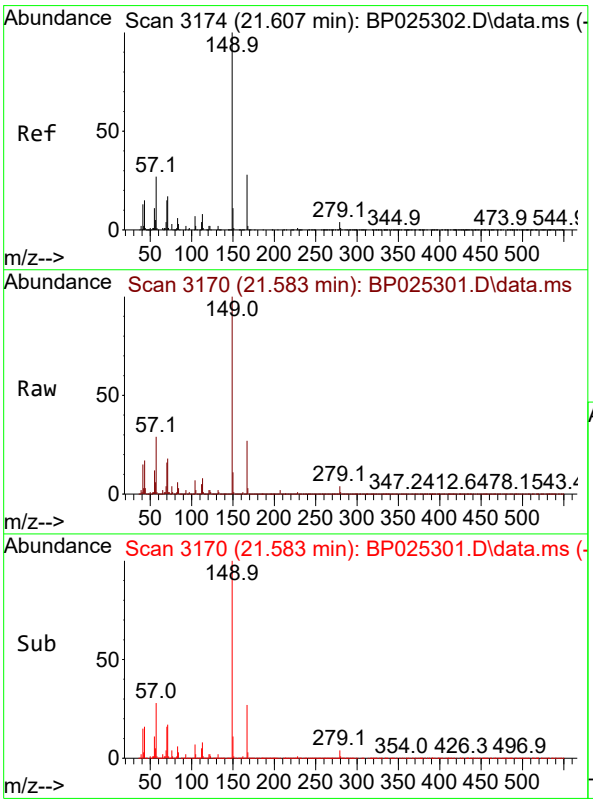
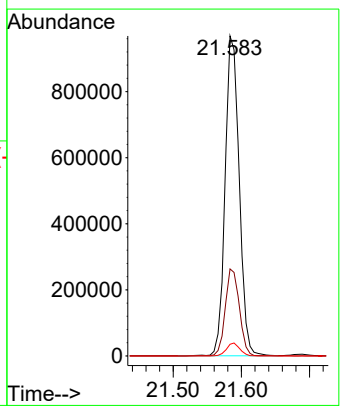
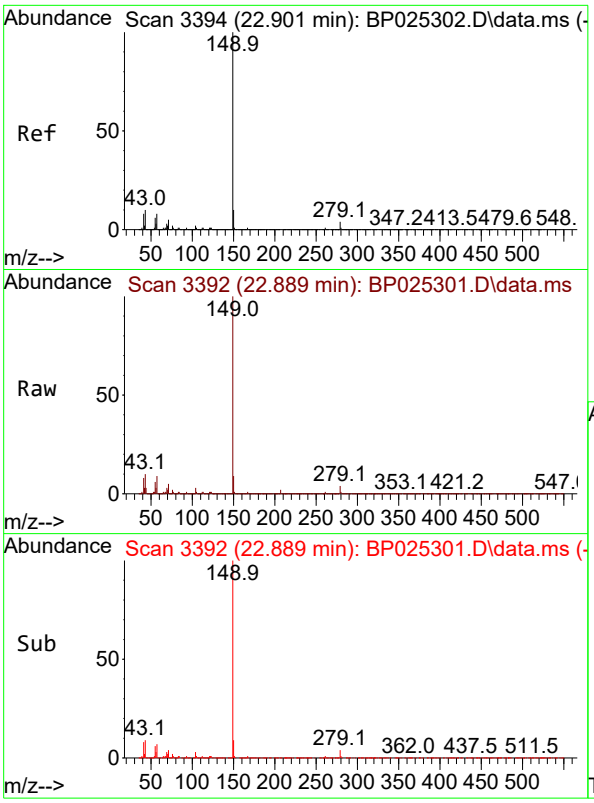


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.958 ng
RT: 21.583 min Scan# 3170
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1391559

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	3.7	3.4	5.2

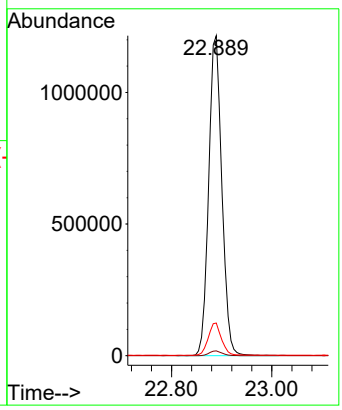




#85
Di-n-octyl phthalate
Concen: 19.895 ng
RT: 22.889 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 221107

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.1	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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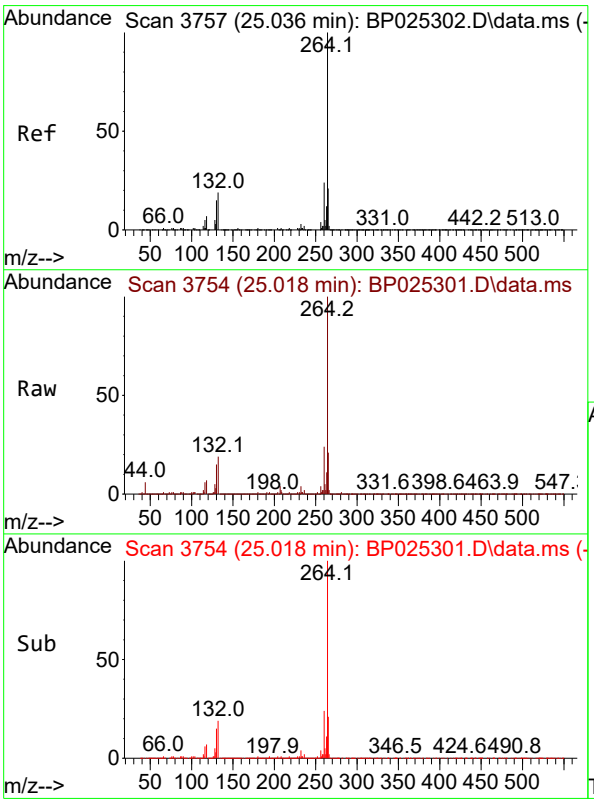
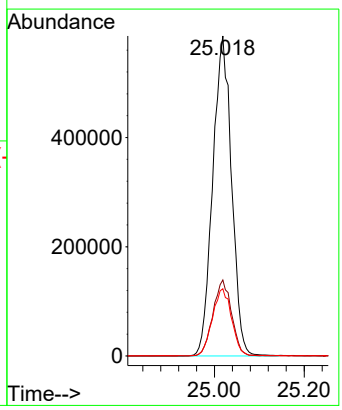
Supervised By :Jagrut Upadhyay 08/06/2025

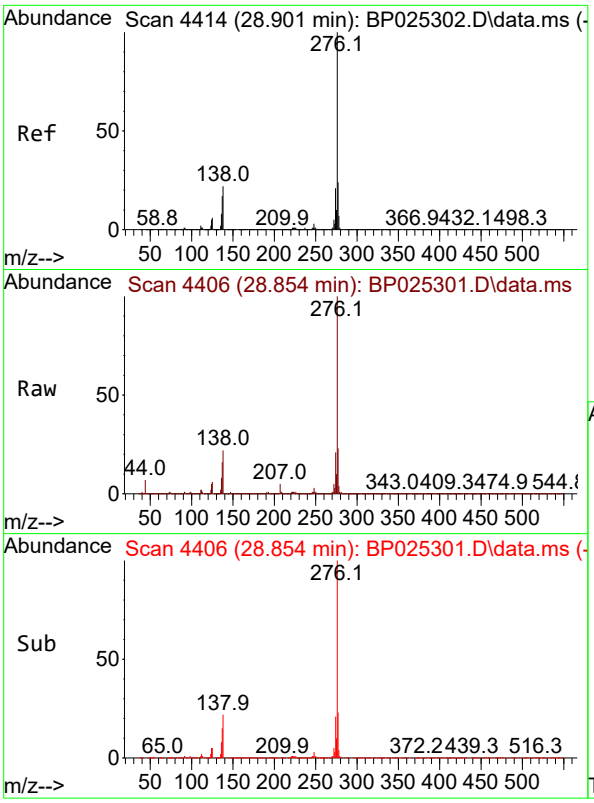


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:264 Resp: 1709357

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.1	25.7

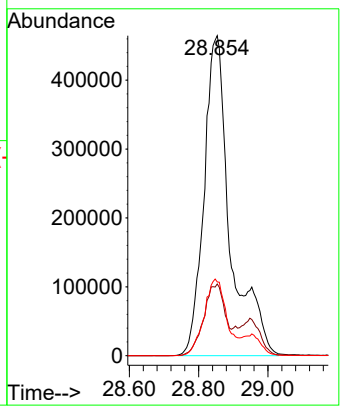




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.000 ng m
RT: 28.854 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:276 Resp: 245402

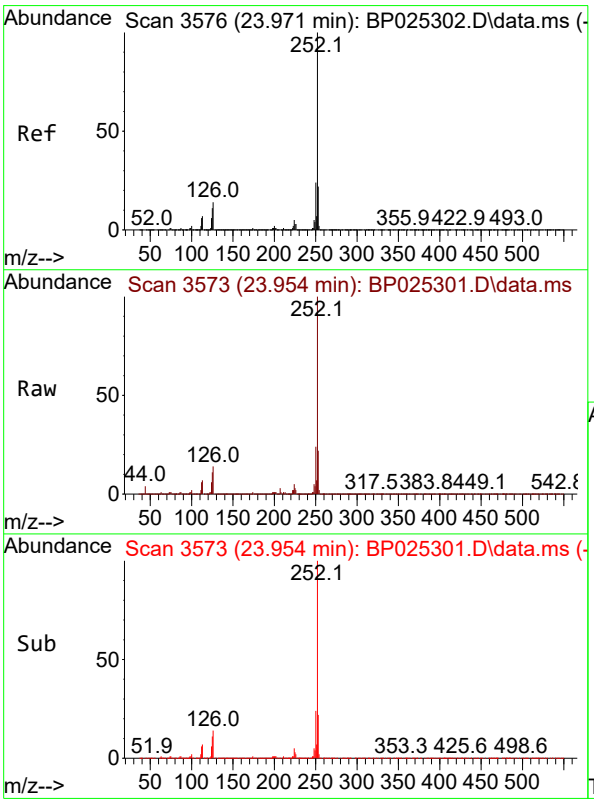
Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.6	22.0
277	20.6	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

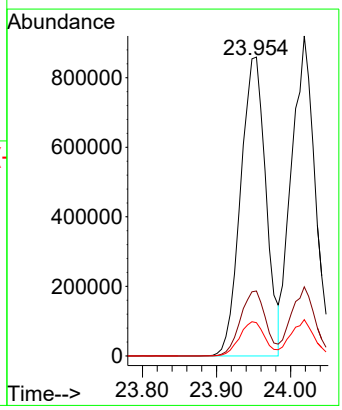
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

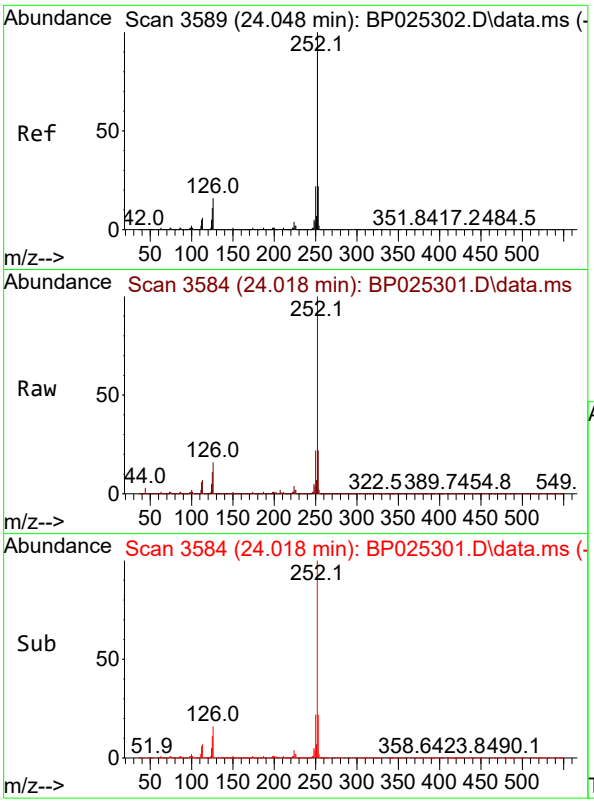


#88
Benzo(b)fluoranthene
Concen: 19.945 ng
RT: 23.954 min Scan# 3573
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 2040906

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.5	12.7

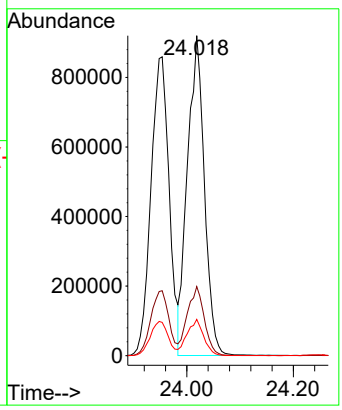




#89
Benzo(k)fluoranthene
Concen: 20.034 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 203222

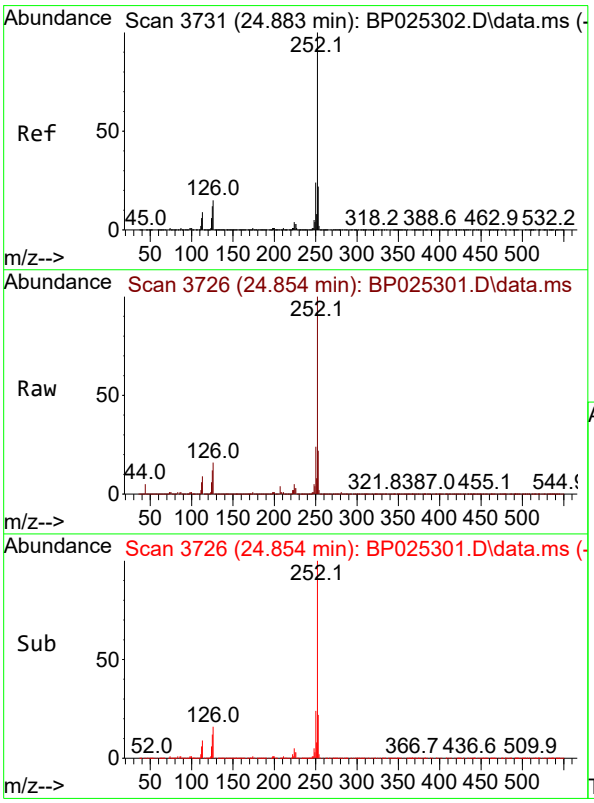
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

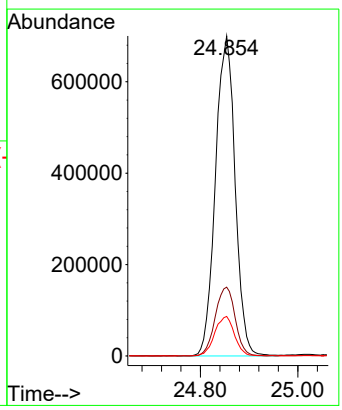
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

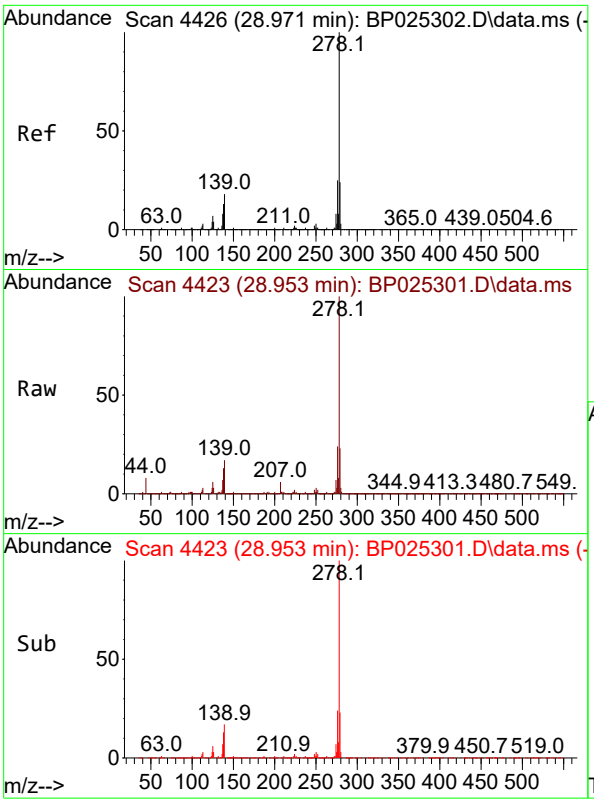


#90
Benzo(a)pyrene
Concen: 19.917 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.029 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 1962673

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.3	9.4	14.0

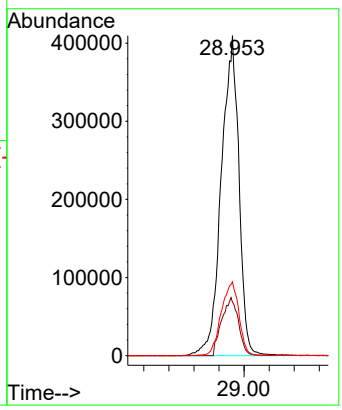




#91
Dibenzo(a,h)anthracene
Concen: 19.860 ng
RT: 28.953 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:278 Resp: 199280

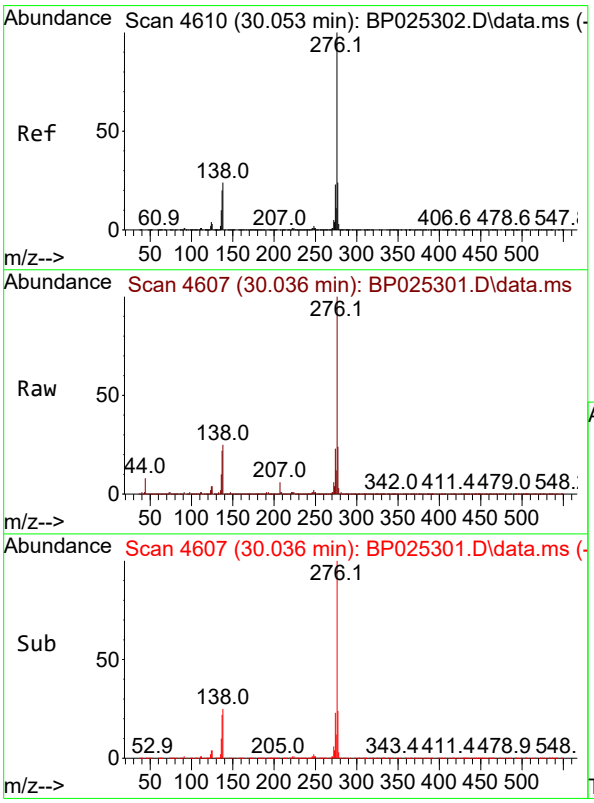
Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.6	22.0
279	23.1	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

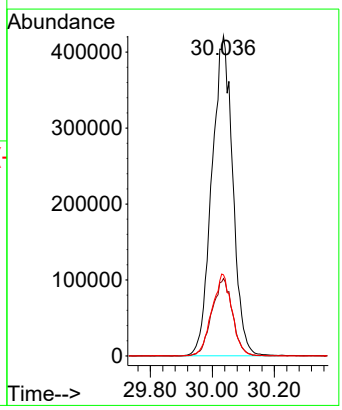
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 19.938 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:276 Resp: 1964046

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	25.3	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	201963	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	880642	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	554286	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1096367	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1098659	20.000	ng	0.00
86) Perylene-d12	25.036	264	1264736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	996403	78.838	ng	0.00
7) Phenol-d6	6.966	99	1318375	79.077	ng	0.00
23) Nitrobenzene-d5	8.943	82	1316251	80.869	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	470979	82.296	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3200514	80.179	ng	0.00
79) Terphenyl-d14	19.942	244	4595144	79.015	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	194354	39.221	ng	100
3) Pyridine	3.725	79	541403	39.325	ng	100
4) n-Nitrosodimethylamine	3.631	42	246918	38.631	ng	100
6) Aniline	7.131	93	895891	39.490	ng	100
8) 2-Chlorophenol	7.372	128	545256	39.670	ng	100
9) Benzaldehyde	6.949	77	566415	48.256	ng	100
10) Phenol	6.990	94	699120	39.538	ng	100
11) bis(2-Chloroethyl)ether	7.225	93	539982	38.975	ng	100
12) 1,3-Dichlorobenzene	7.696	146	595110	38.533	ng	100
13) 1,4-Dichlorobenzene	7.837	146	609114	38.983	ng	100
14) 1,2-Dichlorobenzene	8.149	146	587683	38.826	ng	100
15) Benzyl Alcohol	8.031	79	502383	39.218	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.325	45	850917	38.879	ng	100
17) 2-Methylphenol	8.225	107	474988	40.146	ng	100
18) Hexachloroethane	8.878	117	218135	39.037	ng	100
19) n-Nitroso-di-n-propyla...	8.596	70	436056	40.160	ng	100
20) 3+4-Methylphenols	8.549	107	640969	39.342	ng	100
22) Acetophenone	8.607	105	867835	39.255	ng	100
24) Nitrobenzene	8.984	77	606097	40.280	ng	100
25) Isophorone	9.502	82	1255611	39.682	ng	100
26) 2-Nitrophenol	9.684	139	225091	35.376	ng	100
27) 2,4-Dimethylphenol	9.749	122	570930	39.137	ng	100
28) bis(2-Chloroethoxy)met...	9.984	93	759841	39.476	ng	100
29) 2,4-Dichlorophenol	10.213	162	522153	40.884	ng	100
30) 1,2,4-Trichlorobenzene	10.437	180	548893	38.956	ng	100
31) Naphthalene	10.625	128	1791087	39.178	ng	100
32) Benzoic acid	9.849	122	297213	38.952	ng	100
33) 4-Chloroaniline	10.725	127	808713	39.774	ng	100
34) Hexachlorobutadiene	10.913	225	316426	39.122	ng	100
35) Caprolactam	11.472	113	202605	40.802	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	600241	40.617	ng	100
37) 2-Methylnaphthalene	12.225	142	1154835	39.028	ng	100
38) 1-Methylnaphthalene	12.454	142	1205124	39.032	ng	100
40) 1,2,4,5-Tetrachloroben...	12.595	216	606083	40.051	ng	100
41) Hexachlorocyclopentadiene	12.590	237	366850	39.278	ng	100
43) 2,4,6-Trichlorophenol	12.837	196	406436	41.576	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	456928	41.667	ng	100
46) 1,1'-Biphenyl	13.243	154	1605905	39.314	ng	100
47) 2-Chloronaphthalene	13.284	162	1225849	39.335	ng	100
48) 2-Nitroaniline	13.484	65	341536	38.066	ng	100
49) Acenaphthylene	14.142	152	2070346	39.828	ng	100
50) Dimethylphthalate	13.872	163	1586291	39.258	ng	100
51) 2,6-Dinitrotoluene	13.978	165	318700	42.760	ng	100
52) Acenaphthene	14.490	154	1234915	38.947	ng	100
53) 3-Nitroaniline	14.307	138	369122	42.324	ng	100
54) 2,4-Dinitrophenol	14.513	184	105656	38.143	ng	100
55) Dibenzofuran	14.831	168	1863874	39.336	ng	100
56) 4-Nitrophenol	14.607	139	314409	40.848	ng	100
57) 2,4-Dinitrotoluene	14.778	165	431918	38.103	ng	100
58) Fluorene	15.489	166	1458854	39.200	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.054	232	381224	41.372	ng	100
60) Diethylphthalate	15.260	149	1596506	39.190	ng	100
61) 4-Chlorophenyl-phenyle...	15.484	204	699128	39.626	ng	100
62) 4-Nitroaniline	15.489	138	374812	43.373	ng	100
63) Azobenzene	15.784	77	1497305	39.565	ng	100
65) 4,6-Dinitro-2-methylph...	15.560	198	165146	37.407	ng	100
66) n-Nitrosodiphenylamine	15.695	169	1327098	39.754	ng	100
67) 4-Bromophenyl-phenylether	16.395	248	436238	39.545	ng	100
68) Hexachlorobenzene	16.513	284	482334	38.967	ng	100
69) Atrazine	16.666	200	465752	39.673	ng	100
70) Pentachlorophenol	16.860	266	315442	40.000	ng	100
71) Phenanthrene	17.266	178	2351974	39.167	ng	100
72) Anthracene	17.354	178	2401769	39.667	ng	100
73) Carbazole	17.631	167	2307398	39.700	ng	100
74) Di-n-butylphthalate	18.236	149	2828001	40.220	ng	100
75) Fluoranthene	19.342	202	2745884	39.501	ng	100
77) Benzidine	19.530	184	2131359	53.598	ng	100
78) Pyrene	19.719	202	2831811	38.761	ng	100
80) Butylbenzylphthalate	20.672	149	1241891	41.913	ng	100
81) Benzo(a)anthracene	21.642	228	2859970	39.173	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1039593	40.358	ng	100
83) Chrysene	21.701	228	2674978	39.503	ng	100
84) Bis(2-ethylhexyl)phtha...	21.607	149	1959652	41.420	ng	100
85) Di-n-octyl phthalate	22.901	149	3300305	41.675	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	3649652m	40.200	ng	
88) Benzo(b)fluoranthene	23.971	252	2981039	39.375	ng	100
89) Benzo(k)fluoranthene	24.048	252	2961242	39.456	ng	100
90) Benzo(a)pyrene	24.883	252	2911834	39.938	ng	100
91) Dibenzo(a,h)anthracene	28.971	278	2998158	40.383	ng	100
92) Benzo(g,h,i)perylene	30.053	276	2917156	40.025	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

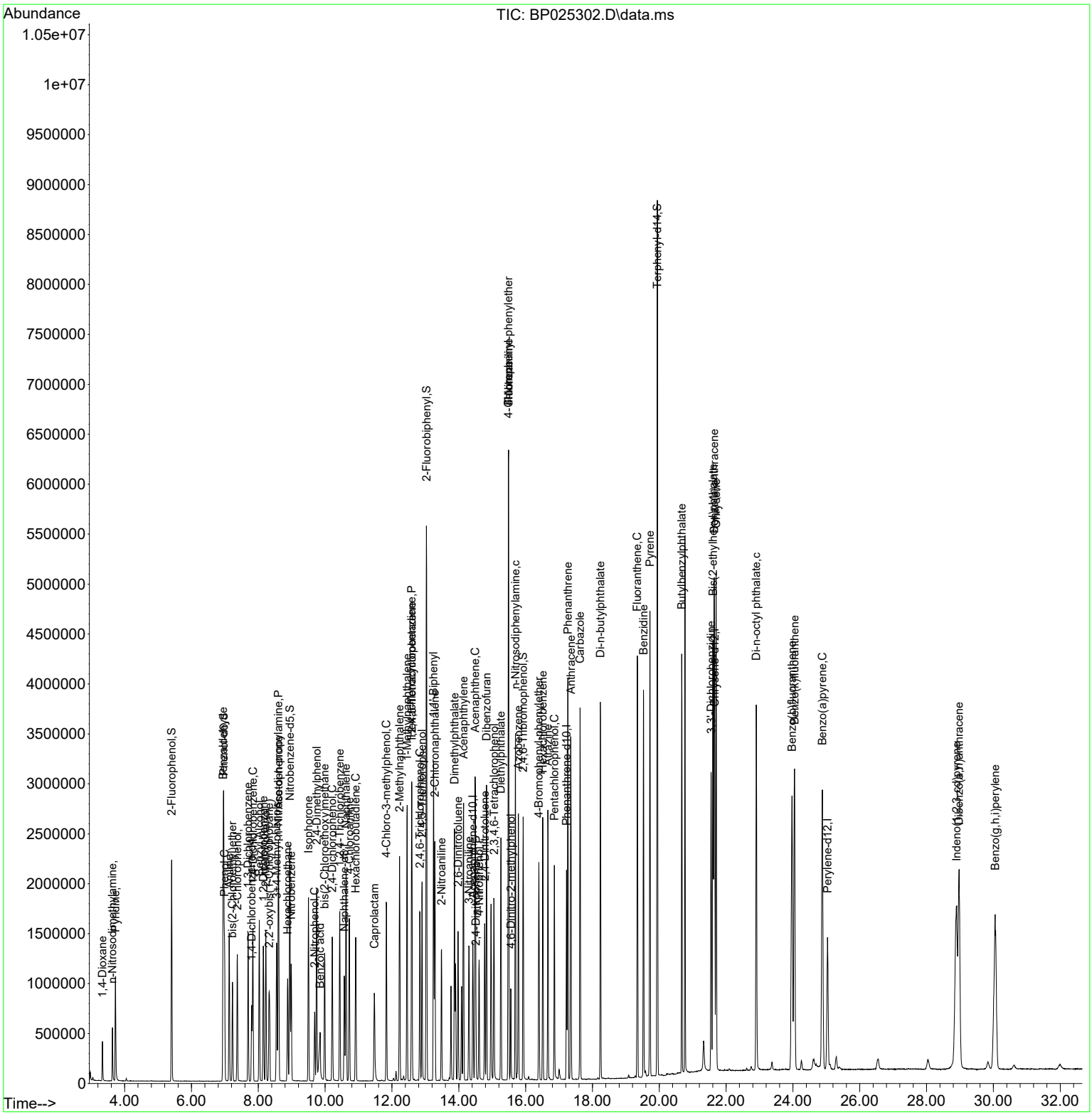
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

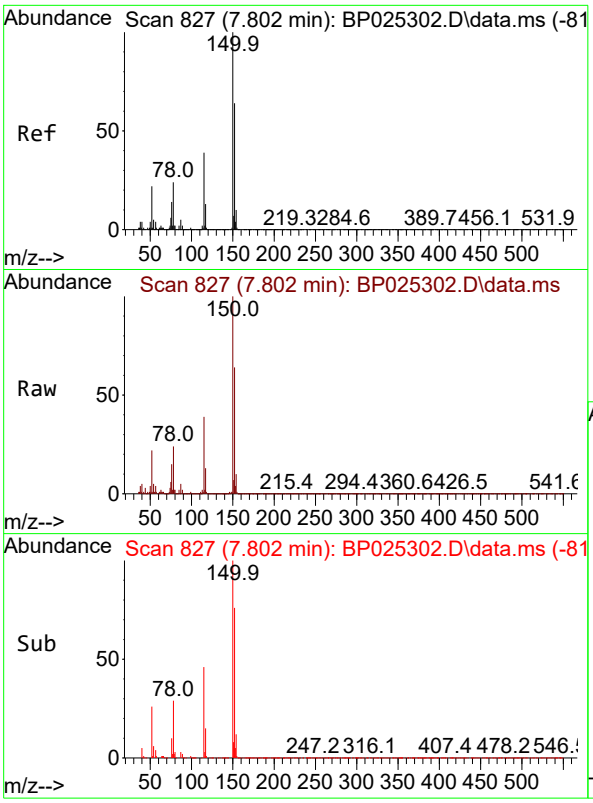
Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

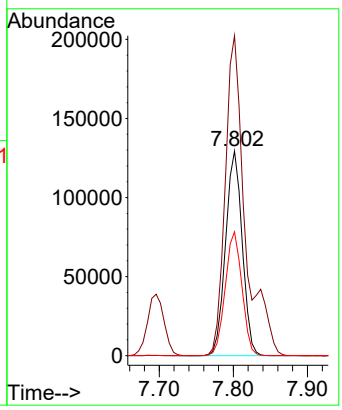




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:152 Resp: 20196

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.1	187.7
115	60.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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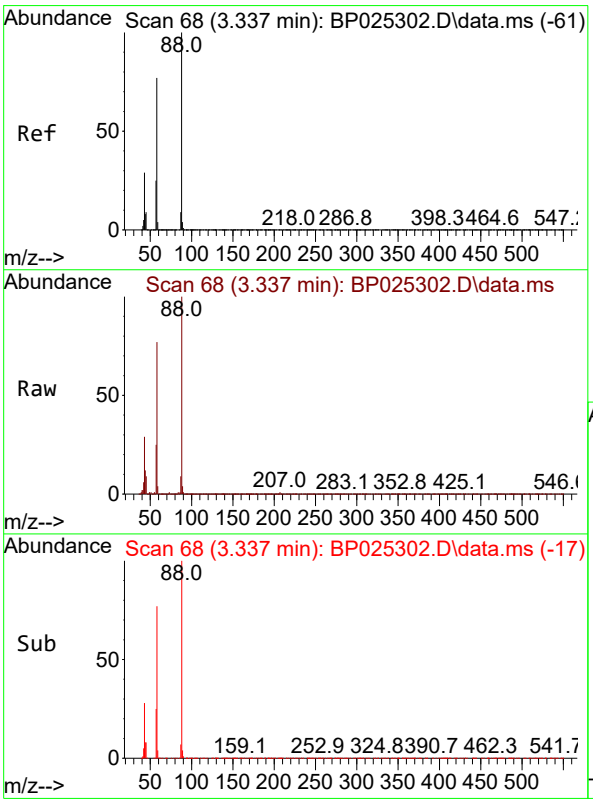
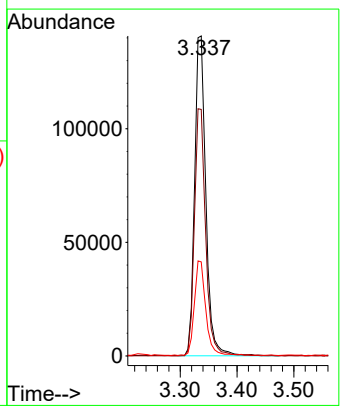
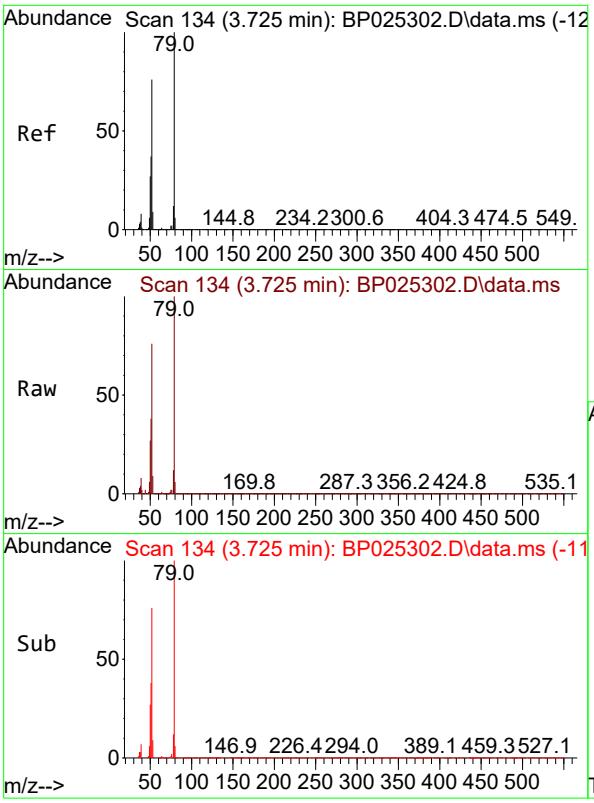


#2
1,4-Dioxane
Concen: 39.221 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 88 Resp: 194354

Ion	Ratio	Lower	Upper
88	100		
58	77.4	61.9	92.9
43	30.2	24.2	36.2

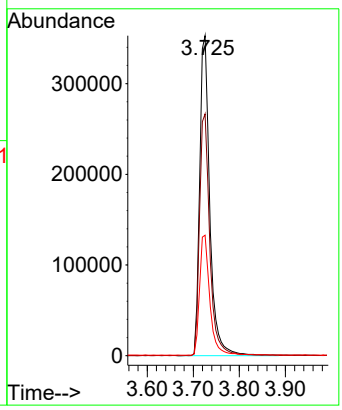




#3
Pyridine
Concen: 39.325 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 79 Resp: 54140

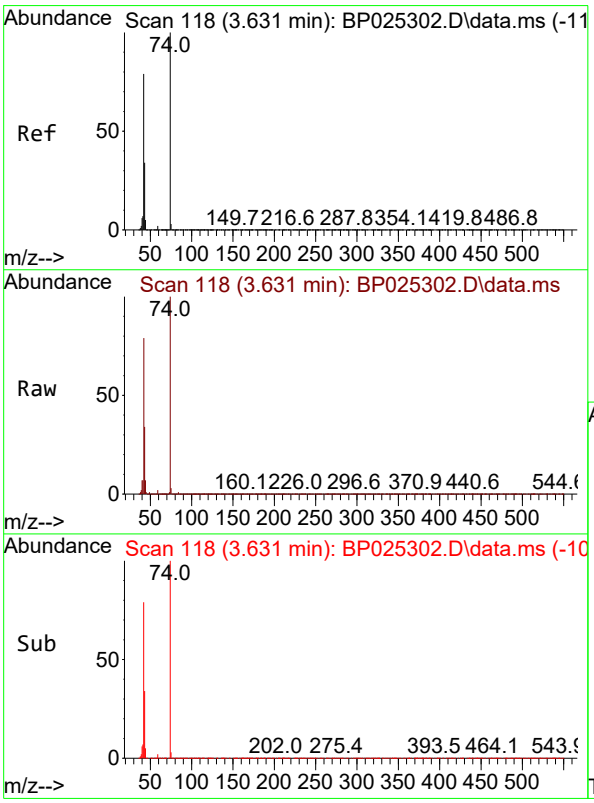
Ion	Ratio	Lower	Upper
79	100		
52	75.6	60.5	90.7
51	37.7	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

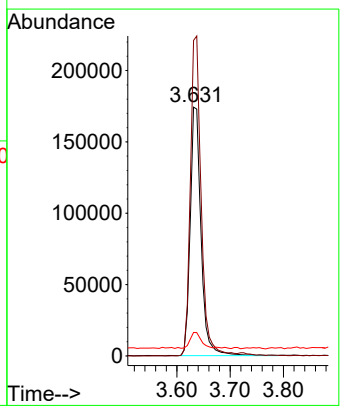
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

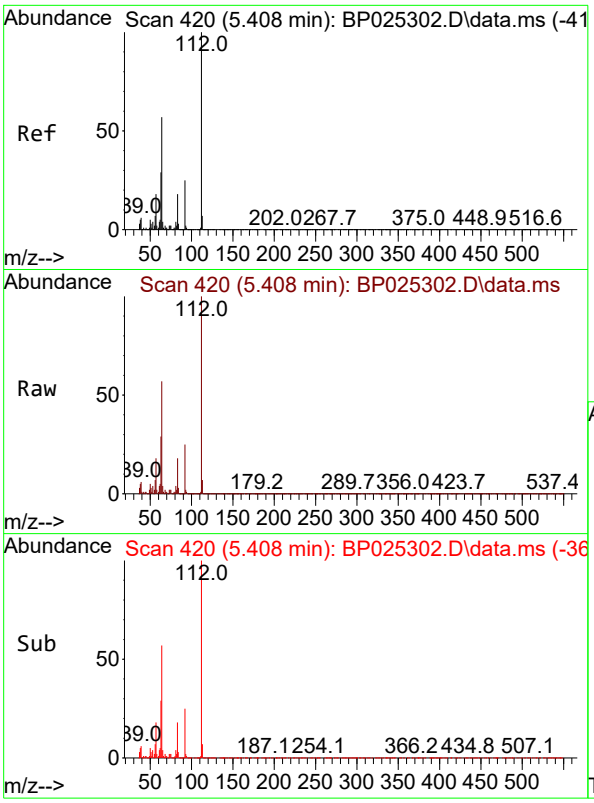


#4
n-Nitrosodimethylamine
Concen: 38.631 ng
RT: 3.631 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 42 Resp: 246918

Ion	Ratio	Lower	Upper
42	100		
74	126.8	101.4	152.2
44	9.5	7.6	11.4

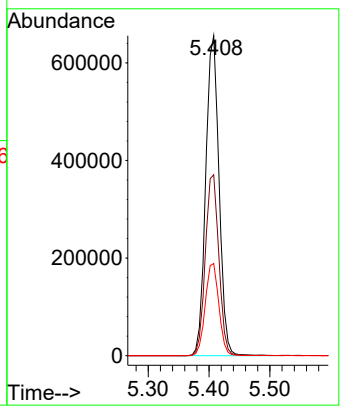




#5
2-Fluorophenol
Concen: 78.838 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:112 Resp: 99640

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	28.8	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
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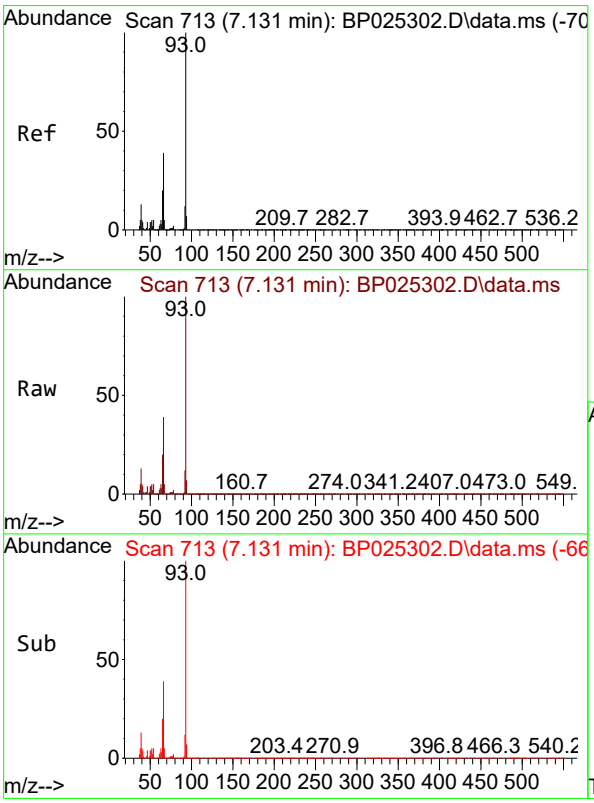
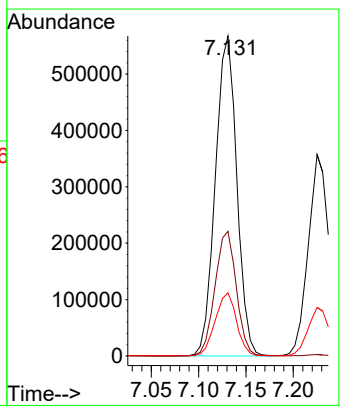
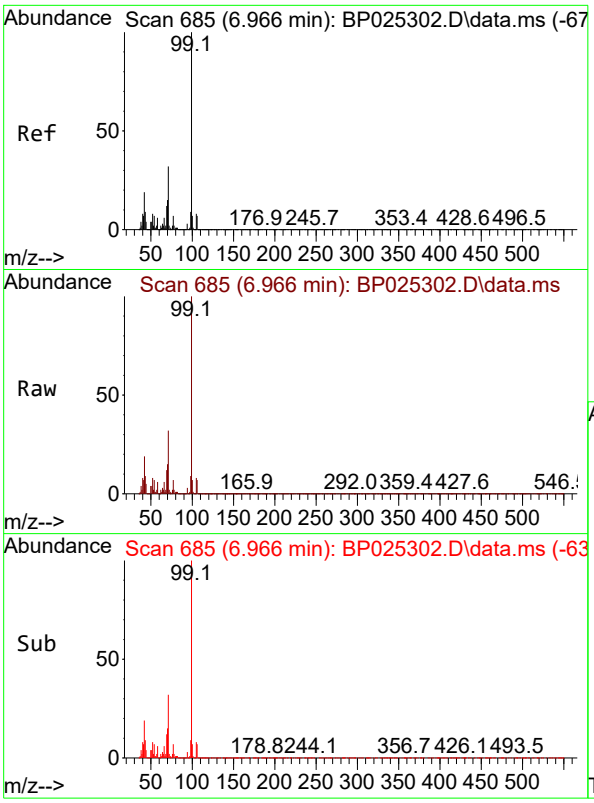


#6
Aniline
Concen: 39.490 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 895891

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.1	46.7
65	19.8	15.8	23.8

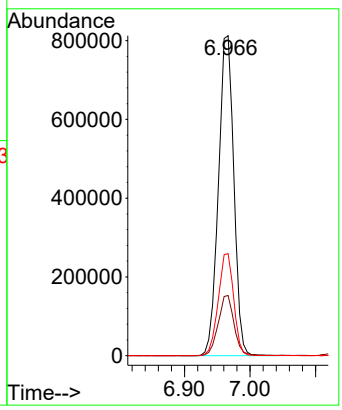




#7
Phenol-d6
Concen: 79.077 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 99 Resp: 131837

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.0	22.6
71	31.9	25.5	38.3



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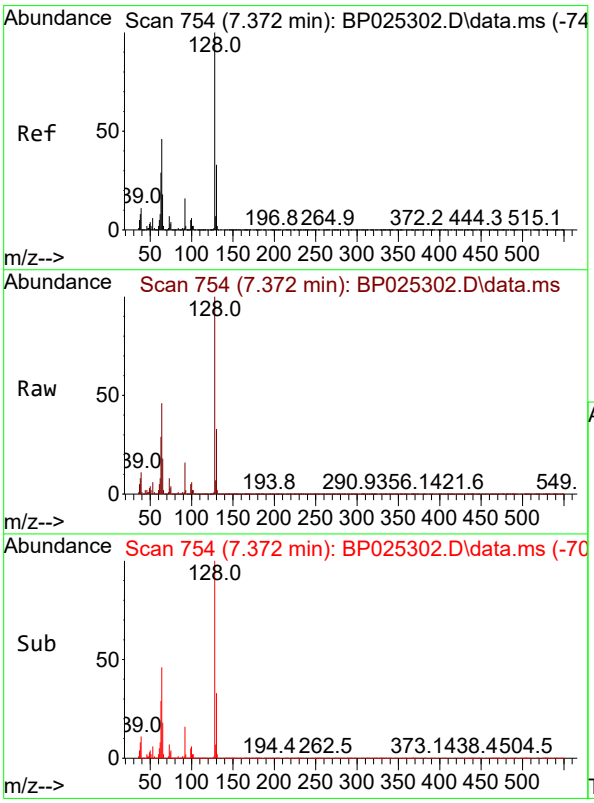
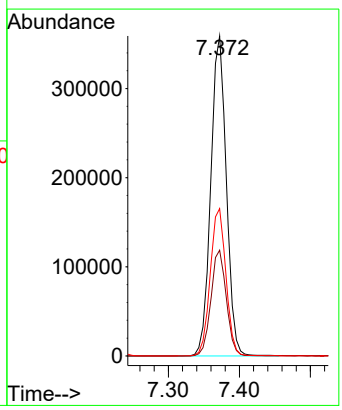
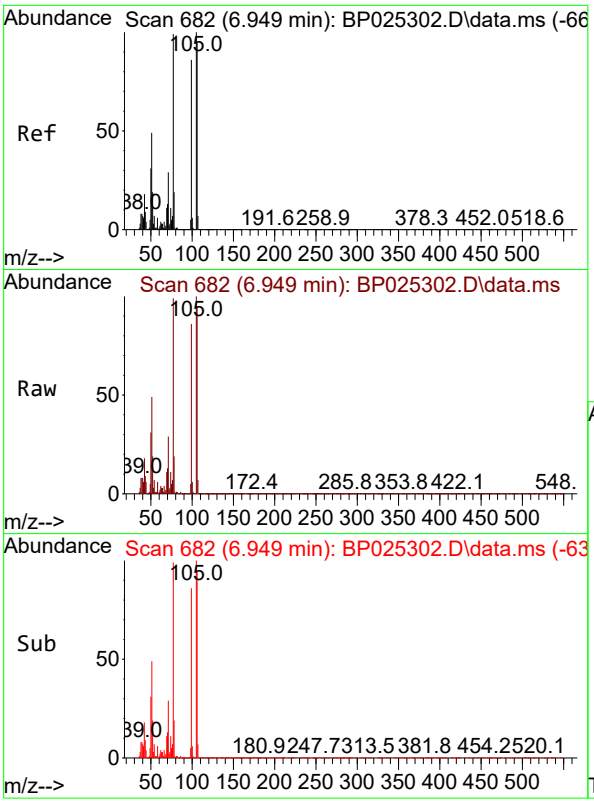


#8
2-Chlorophenol
Concen: 39.670 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:128 Resp: 545256

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	46.1	26.1	66.1

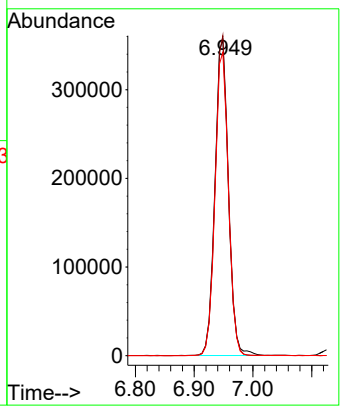




#9
Benzaldehyde
Concen: 48.256 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 56641

Ion	Ratio	Lower	Upper
77	100		
105	101.4	81.4	121.4
106	96.2	76.2	116.2



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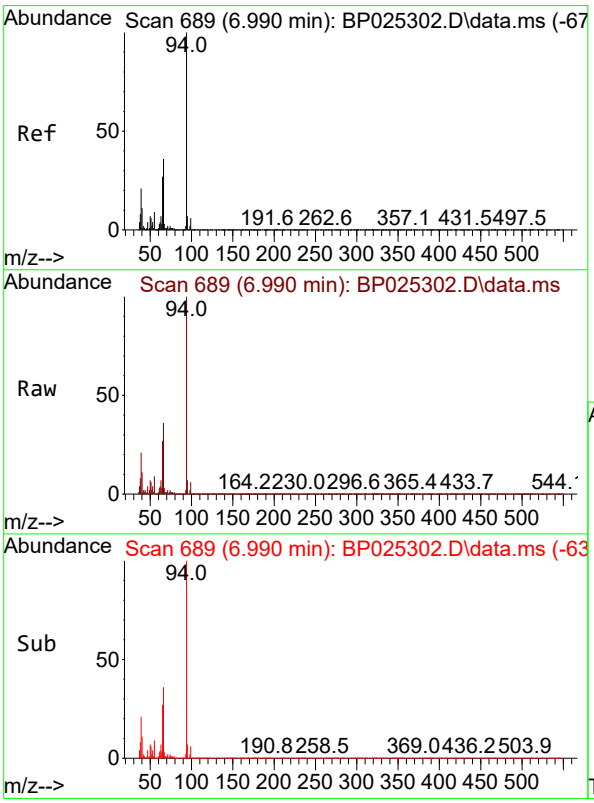
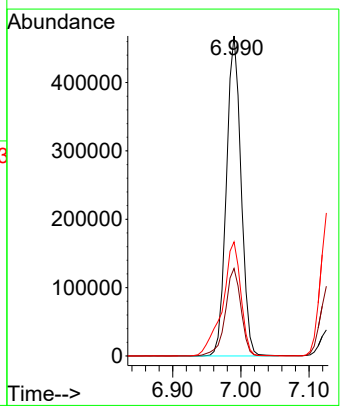
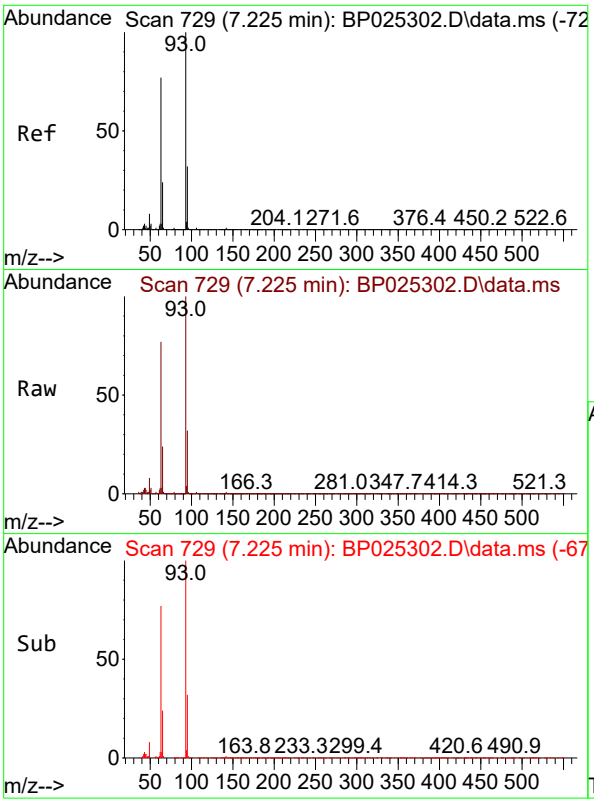


#10
Phenol
Concen: 39.538 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 94 Resp: 699120

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	35.7	15.7	55.7

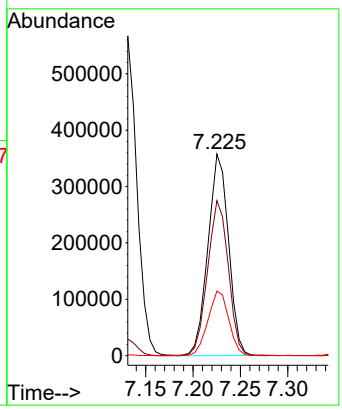




#11
bis(2-Chloroethyl)ether
Concen: 38.975 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 53998

Ion	Ratio	Lower	Upper
93	100		
63	77.0	57.0	97.0
95	32.1	12.1	52.1



Instrument :
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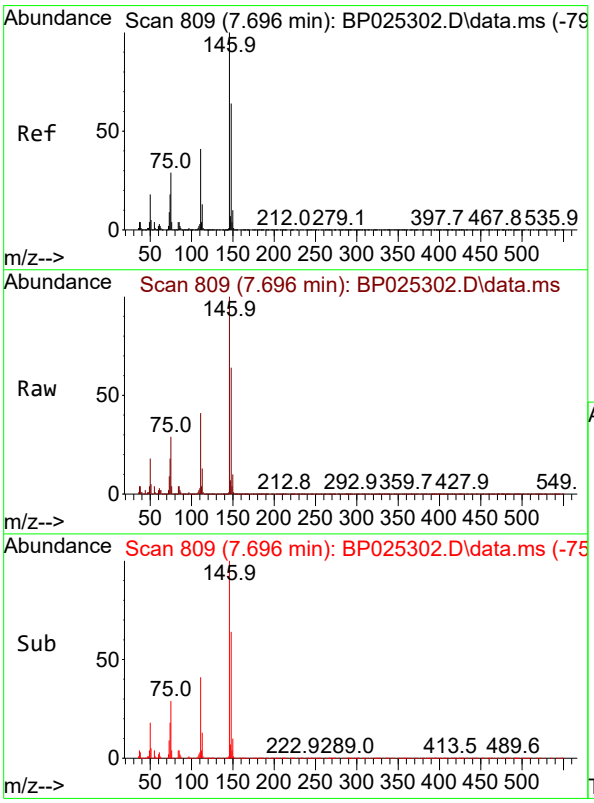
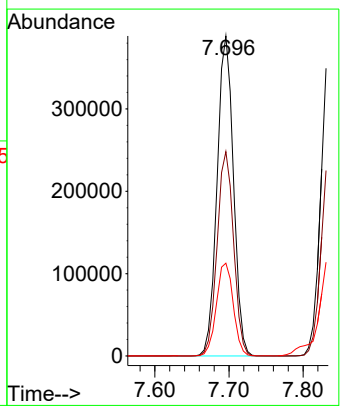
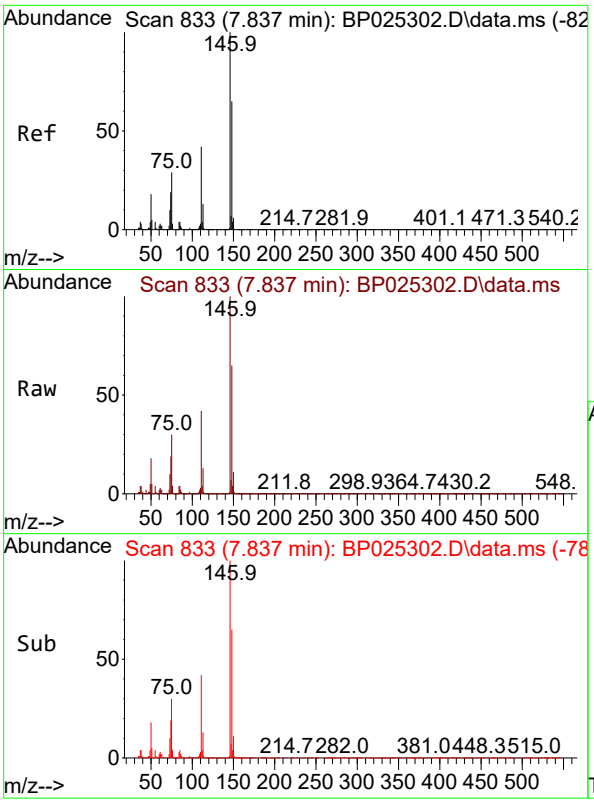


#12
1,3-Dichlorobenzene
Concen: 38.533 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 595110

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	29.0	23.2	34.8

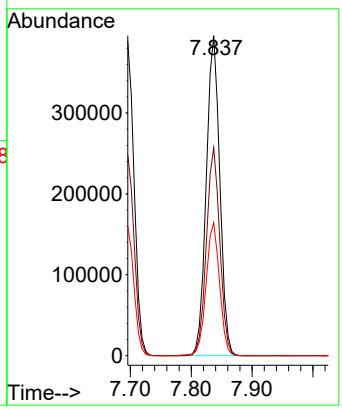




#13
1,4-Dichlorobenzene
Concen: 38.983 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 60911

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	41.5	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
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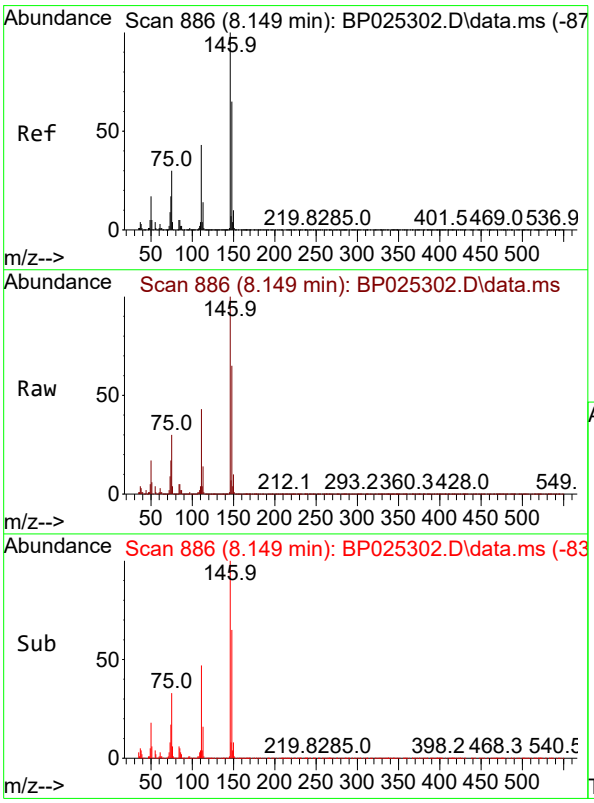
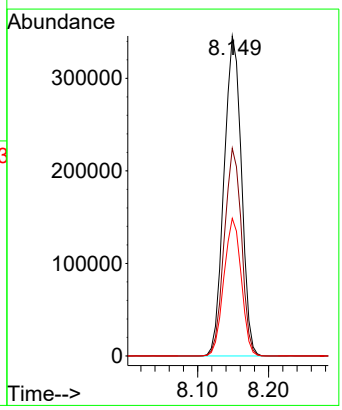
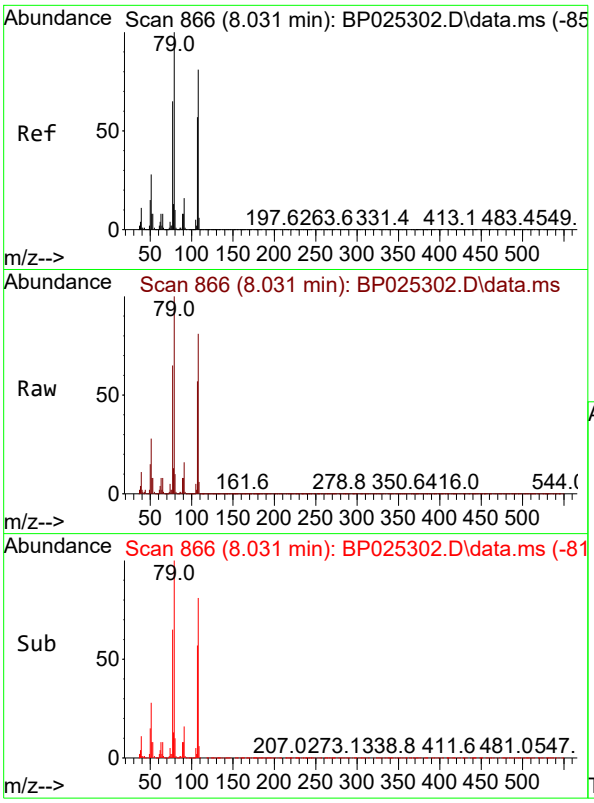


#14
1,2-Dichlorobenzene
Concen: 38.826 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 587683

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	43.0	34.4	51.6





#15
Benzyl Alcohol
Concen: 39.218 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 79 Resp: 50238

Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.5	96.7
77	64.9	51.9	77.9

Instrument :
BNA_P
ClientSampleId :
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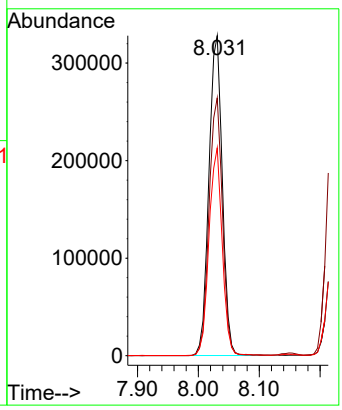
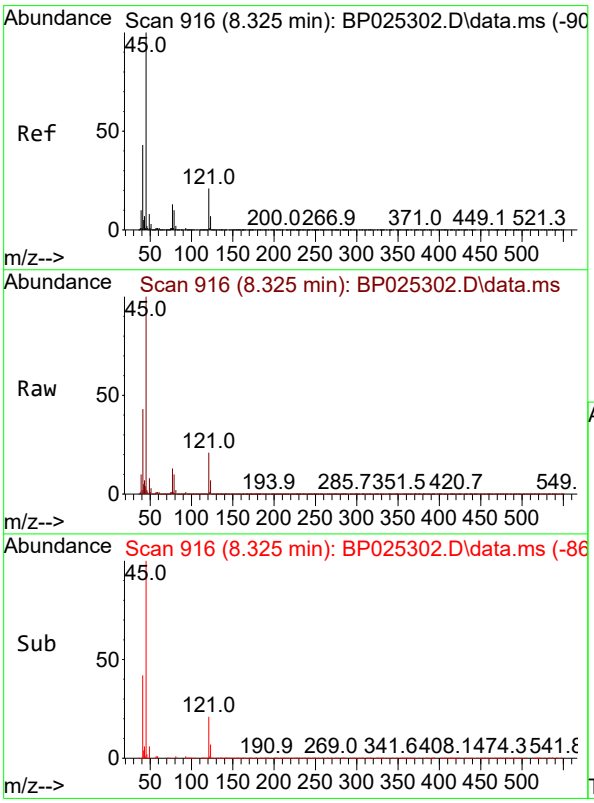
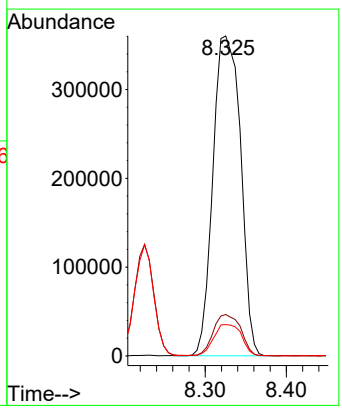


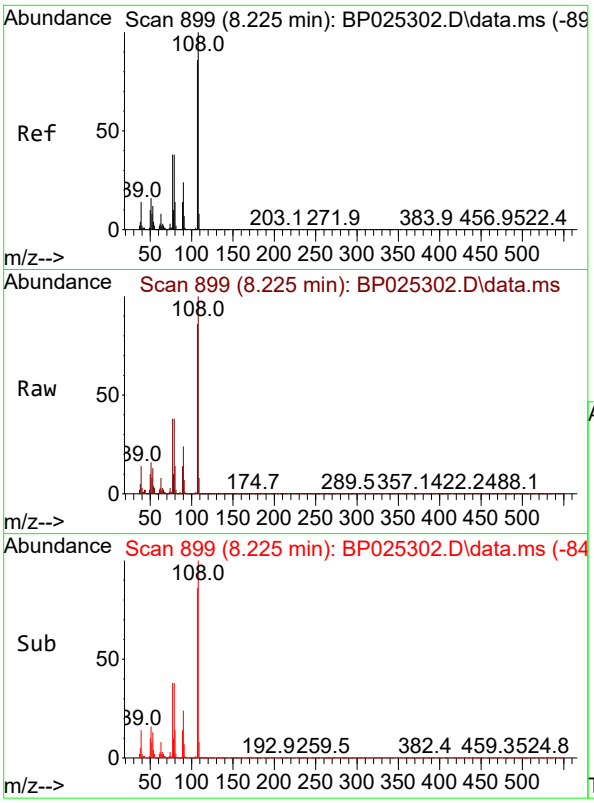


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.879 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 45 Resp: 850917

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	9.8	0.0	29.8

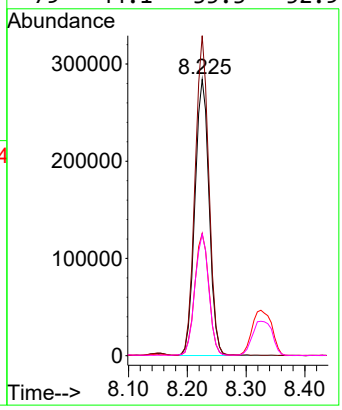




#17
2-Methylphenol
Concen: 40.146 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 47498

Ion	Ratio	Lower	Upper
107	100		
108	115.8	92.6	139.0
77	44.3	35.4	53.2
79	44.1	35.3	52.9



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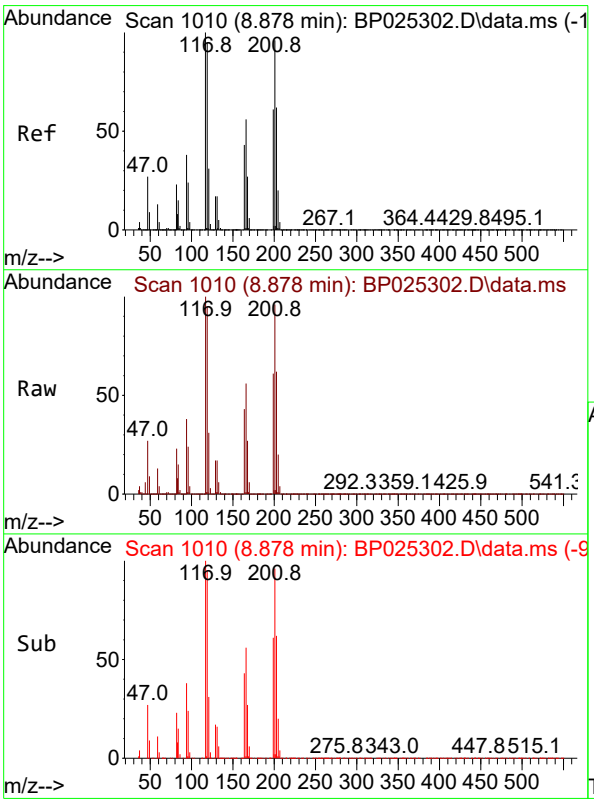
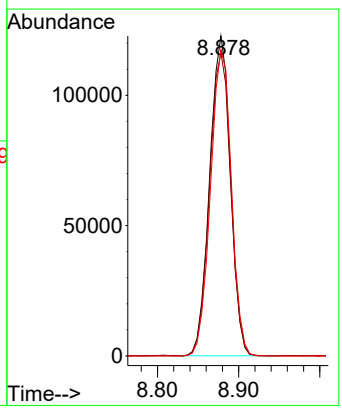
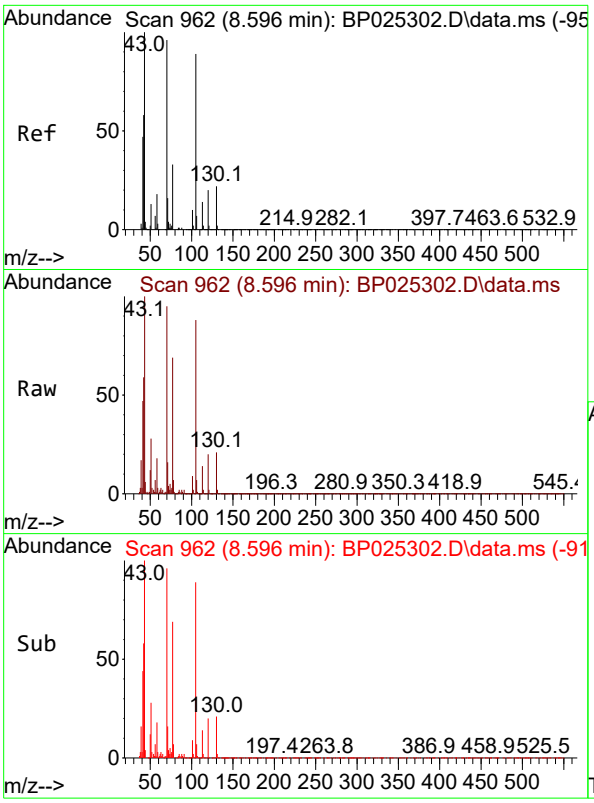


#18
Hexachloroethane
Concen: 39.037 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:117 Resp: 218135

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	95.7	76.6	114.8

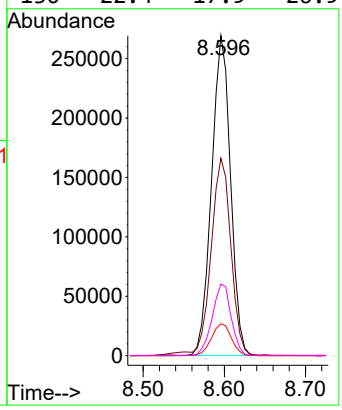




#19
n-Nitroso-di-n-propylamine
Concen: 40.160 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 70 Resp: 43605

Ion	Ratio	Lower	Upper
70	100		
42	61.7	49.4	74.0
101	9.9	7.9	11.9
130	22.4	17.9	26.9



Instrument :
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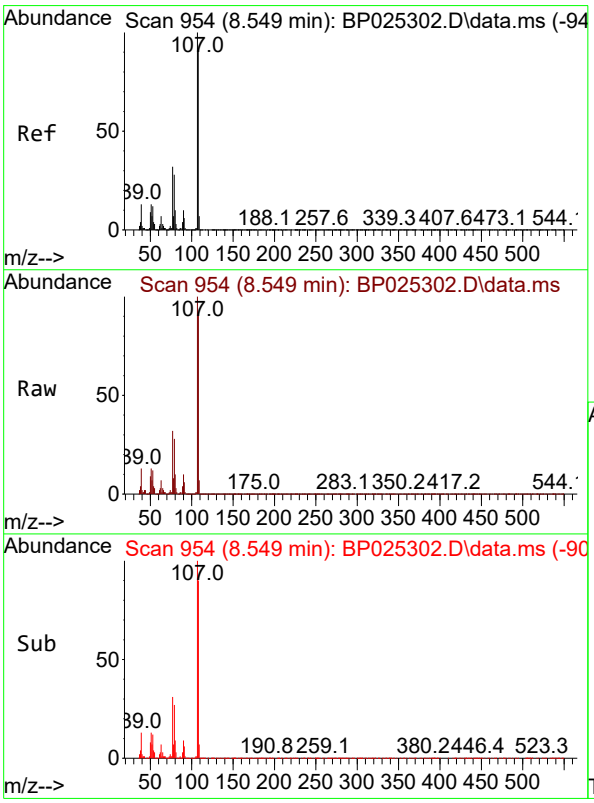
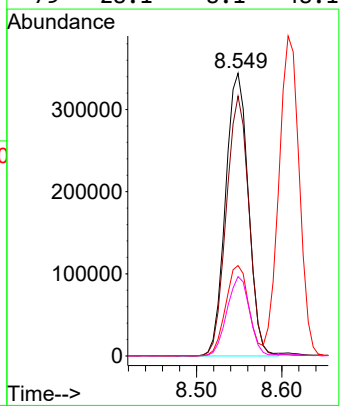
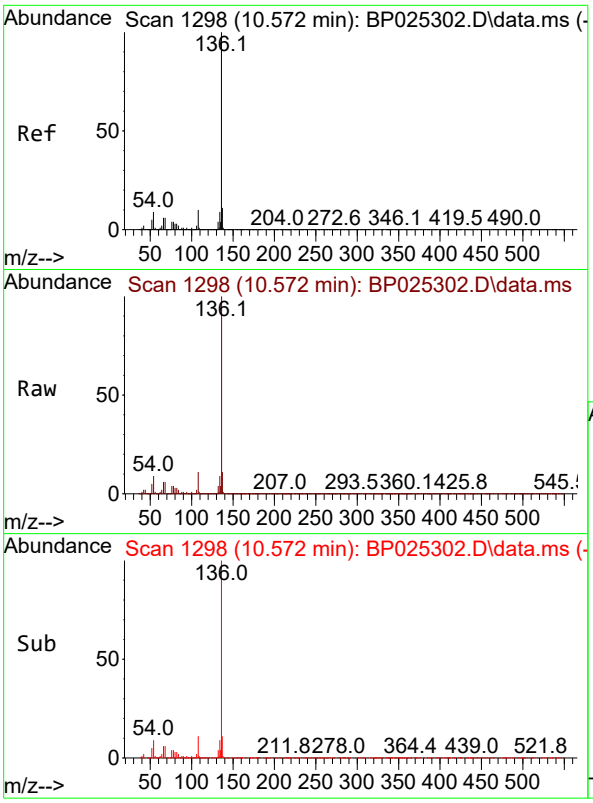


#20
3+4-Methylphenols
Concen: 39.342 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 640969

Ion	Ratio	Lower	Upper
107	100		
108	91.9	71.9	111.9
77	32.0	12.0	52.0
79	28.1	8.1	48.1

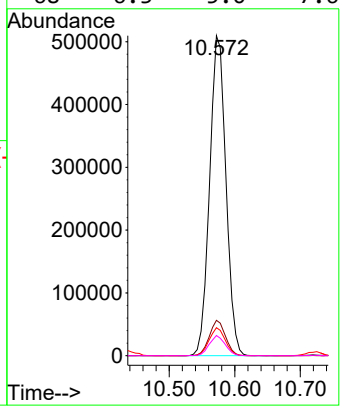




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:136 Resp: 88064

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.0	10.6
68	6.3	5.0	7.6



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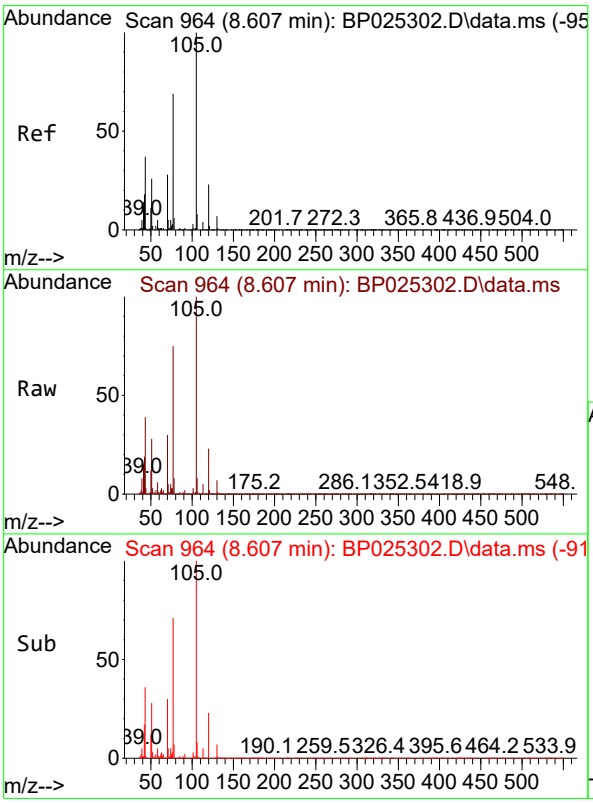
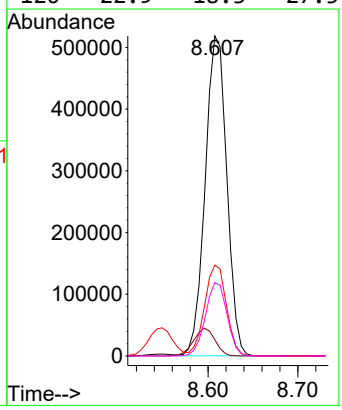
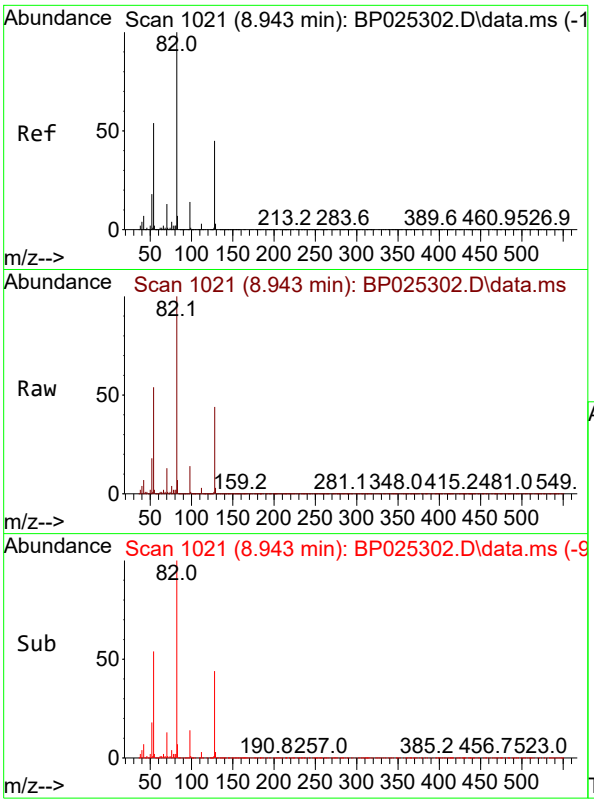


#22
Acetophenone
Concen: 39.255 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:105 Resp: 867835

Ion	Ratio	Lower	Upper
105	100		
71	5.1	4.1	6.1
51	28.4	22.7	34.1
120	22.9	18.3	27.5

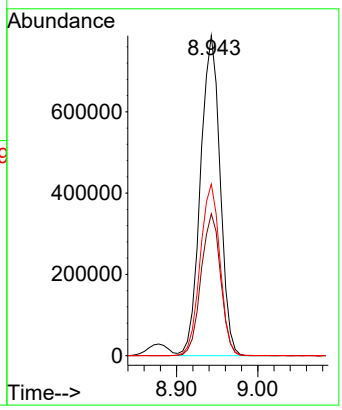




#23
Nitrobenzene-d5
Concen: 80.869 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 82 Resp: 131625

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	53.6	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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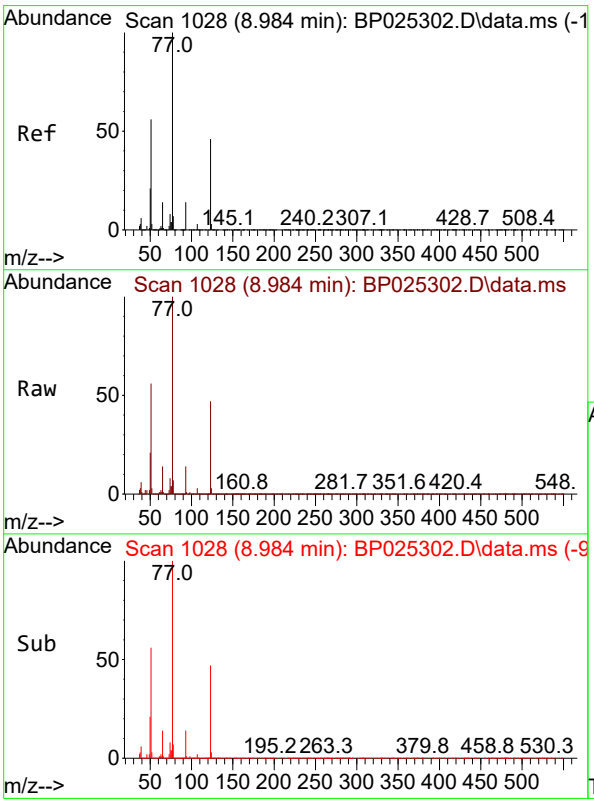
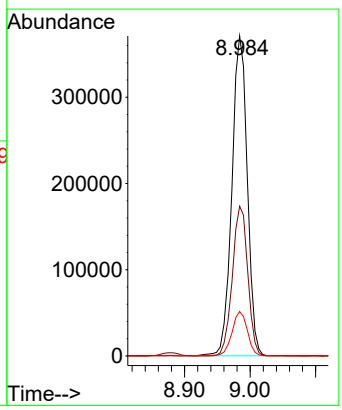
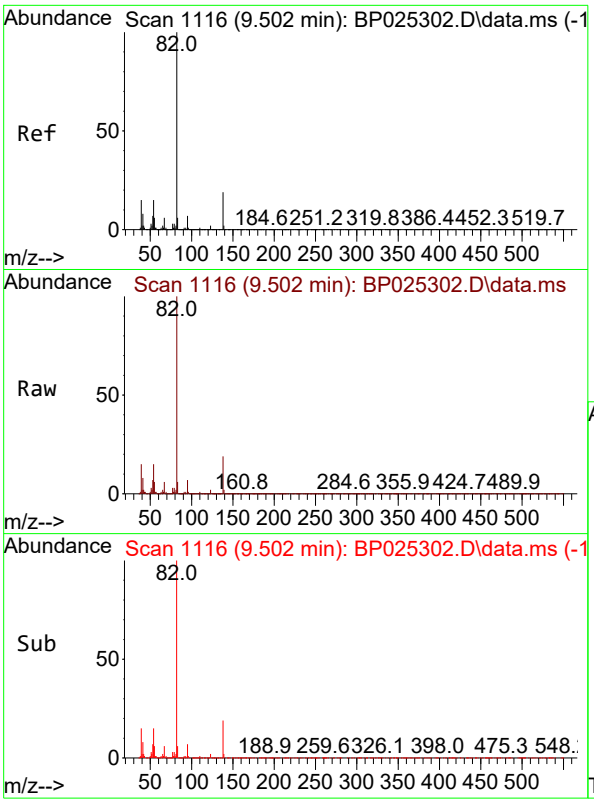


#24
Nitrobenzene
Concen: 40.280 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 606097

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.9	11.1	16.7

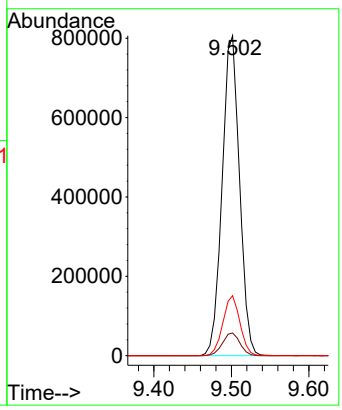




#25
Isophorone
Concen: 39.682 ng
RT: 9.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 82 Resp: 125561

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.8	15.0	22.6



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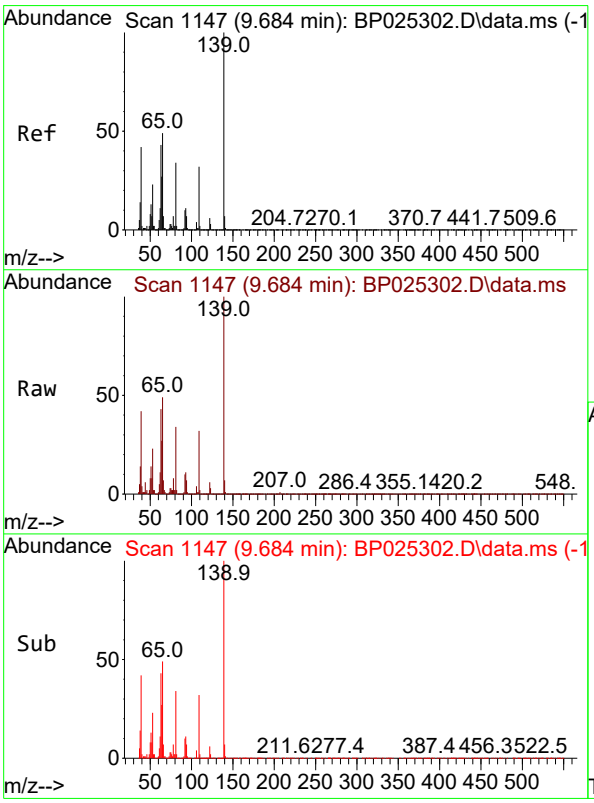
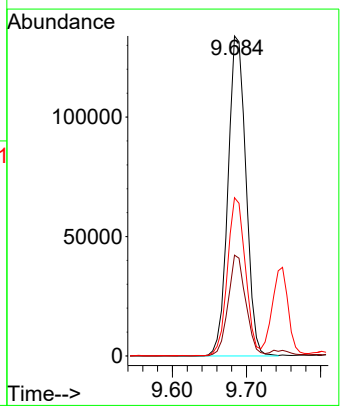
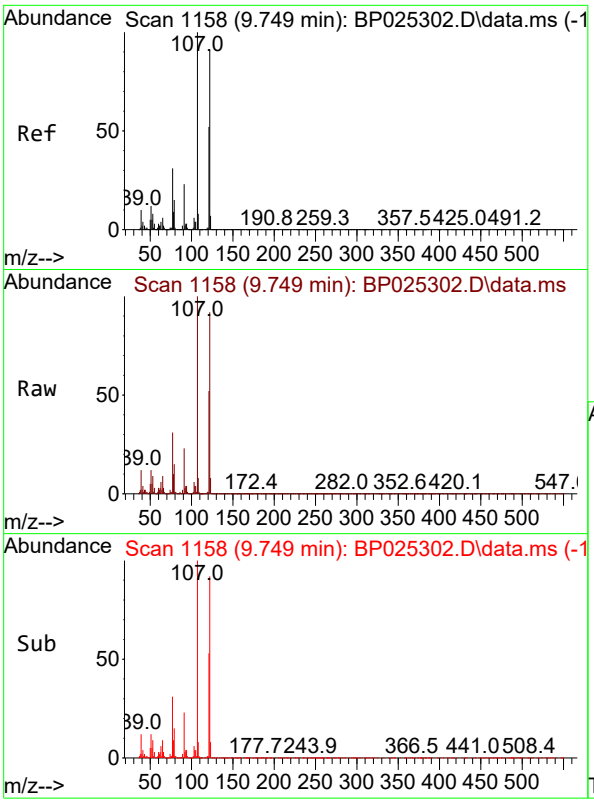


#26
2-Nitrophenol
Concen: 35.376 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 225091

Ion	Ratio	Lower	Upper
139	100		
109	31.5	25.2	37.8
65	49.5	39.6	59.4

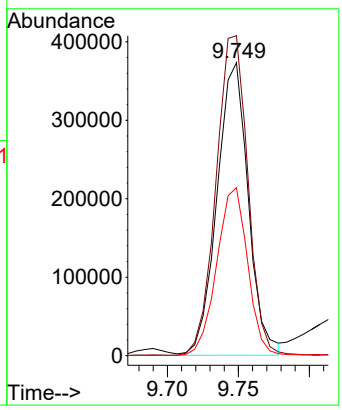




#27
2,4-Dimethylphenol
Concen: 39.137 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:122 Resp: 57093

Ion	Ratio	Lower	Upper
122	100		
107	109.2	87.4	131.0
121	57.3	45.8	68.8



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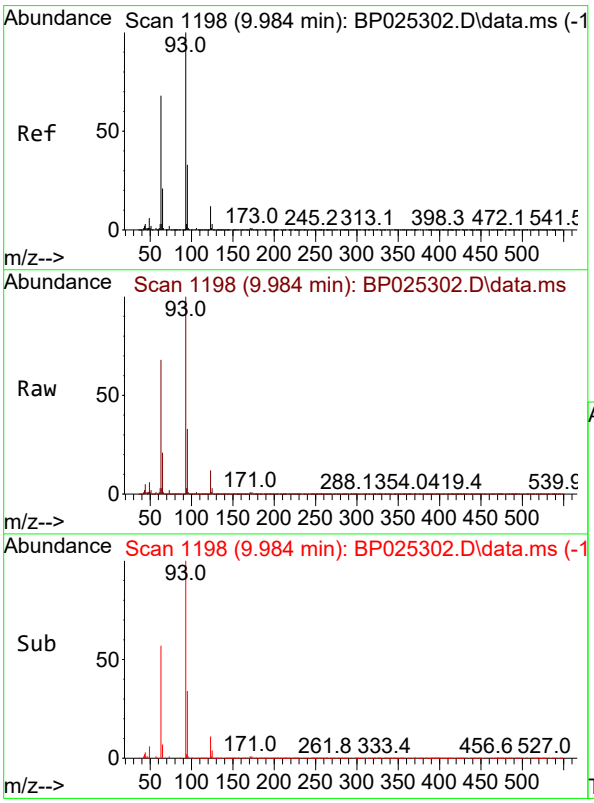
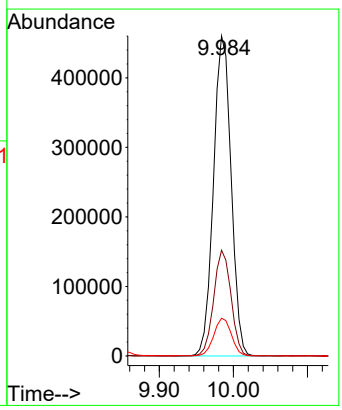
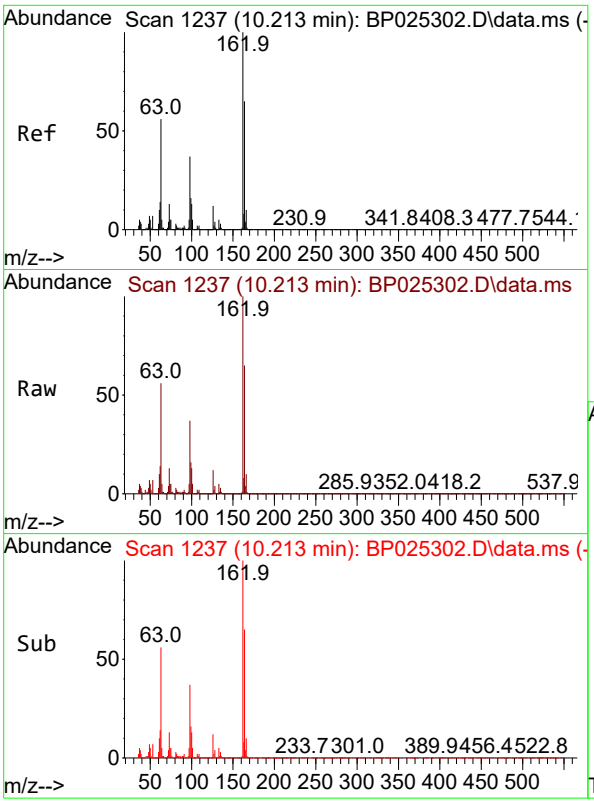


#28
bis(2-Chloroethoxy)methane
Concen: 39.476 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 759841

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	11.8	9.4	14.2

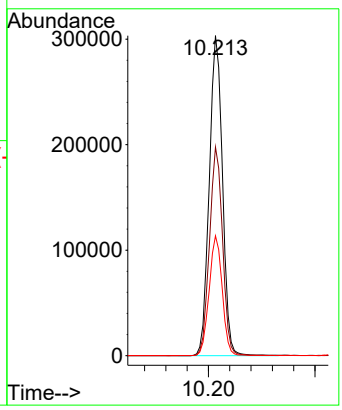




#29
2,4-Dichlorophenol
Concen: 40.884 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:162 Resp: 52215

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.2	85.2
98	37.5	17.5	57.5



Instrument :
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ClientSampleId :
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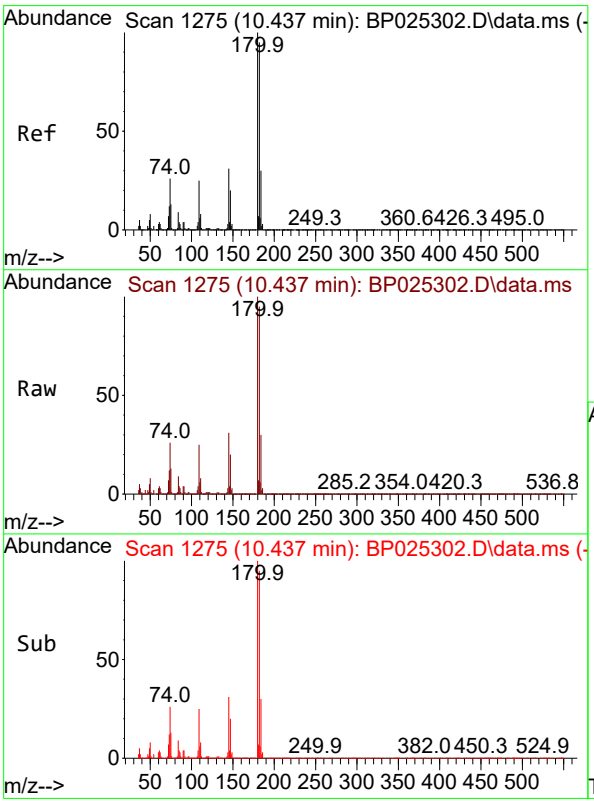
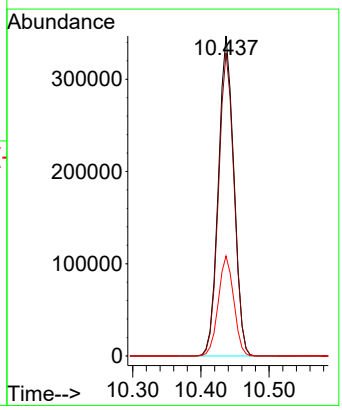
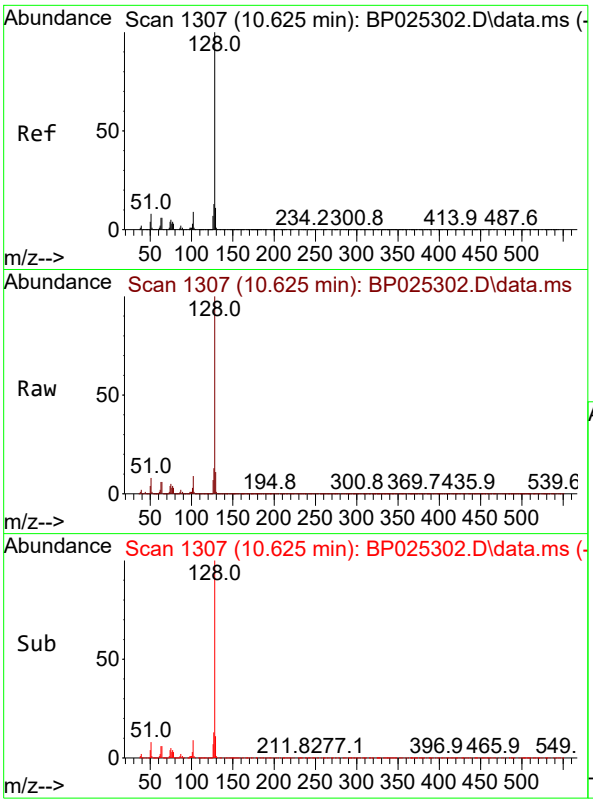


#30
1,2,4-Trichlorobenzene
Concen: 38.956 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:180 Resp: 548893

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	31.2	25.0	37.4

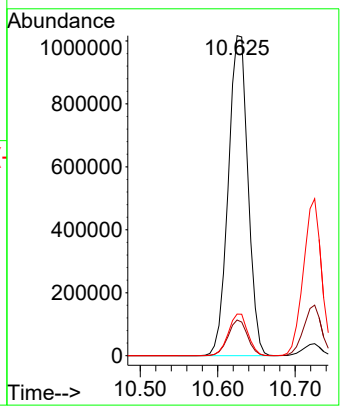




#31
Naphthalene
Concen: 39.178 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:128 Resp: 179108

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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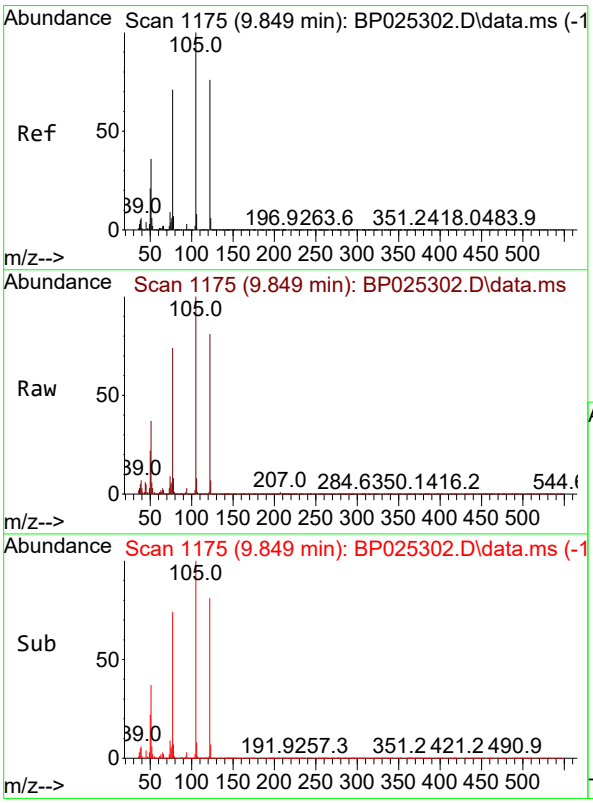
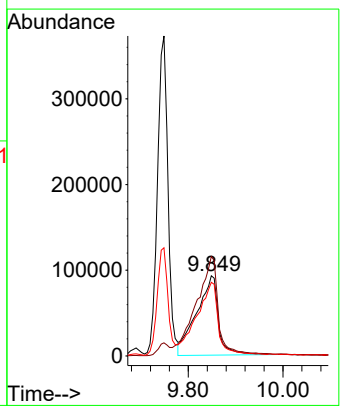
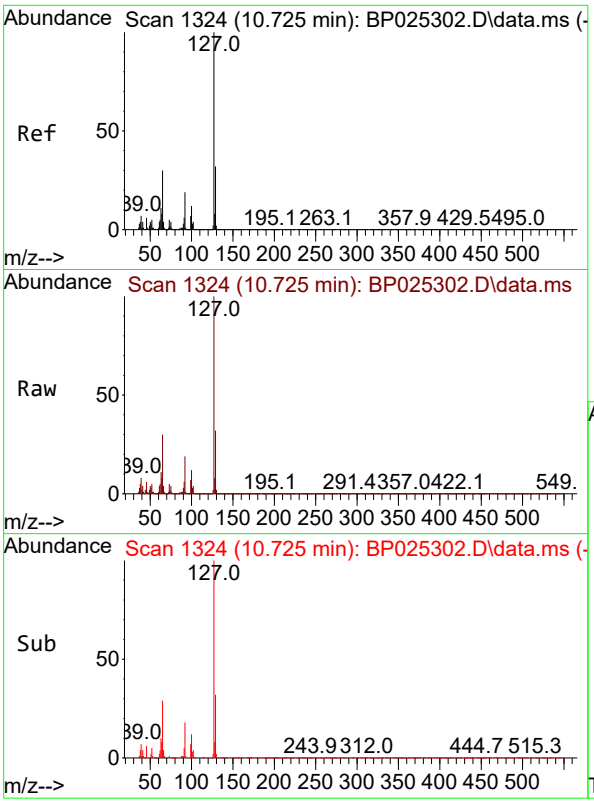


#32
Benzoic acid
Concen: 38.952 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:122 Resp: 297213

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.0	144.0
77	91.8	71.8	111.8

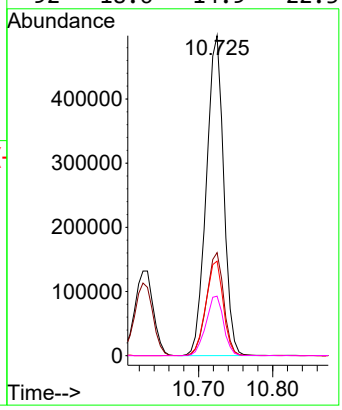




#33
4-Chloroaniline
Concen: 39.774 ng
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:127 Resp: 80871

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.5	23.6	35.4
92	18.6	14.9	22.3



Instrument :
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ClientSampleId :
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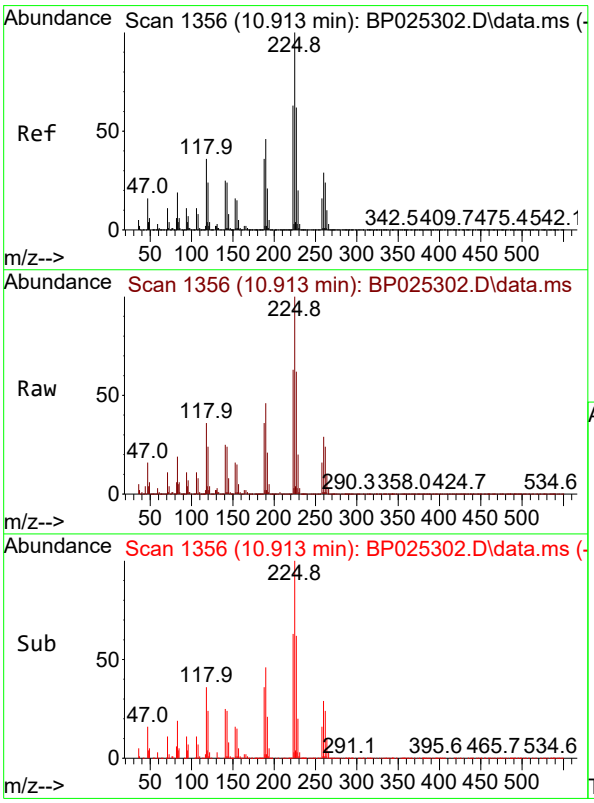
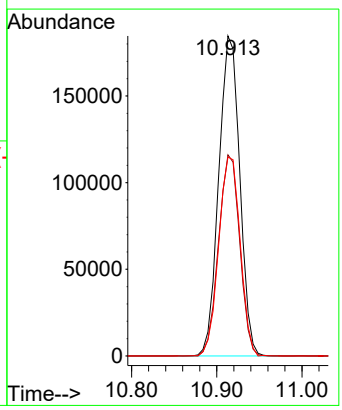
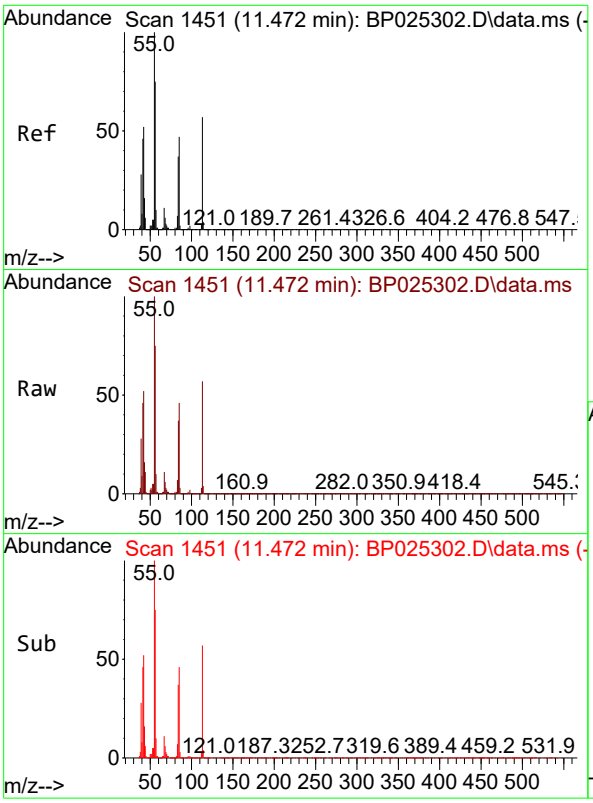


#34
Hexachlorobutadiene
Concen: 39.122 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:225 Resp: 316426

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.1	49.7	74.5

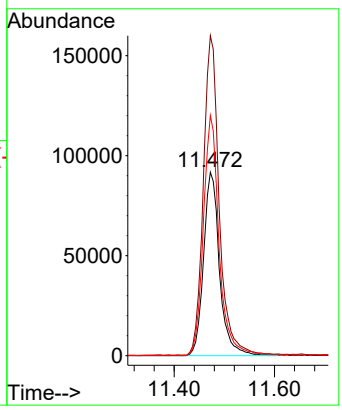




#35
Caprolactam
Concen: 40.802 ng
RT: 11.472 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:113 Resp: 20260

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	130.9	110.9	150.9



Instrument :
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ClientSampleId :
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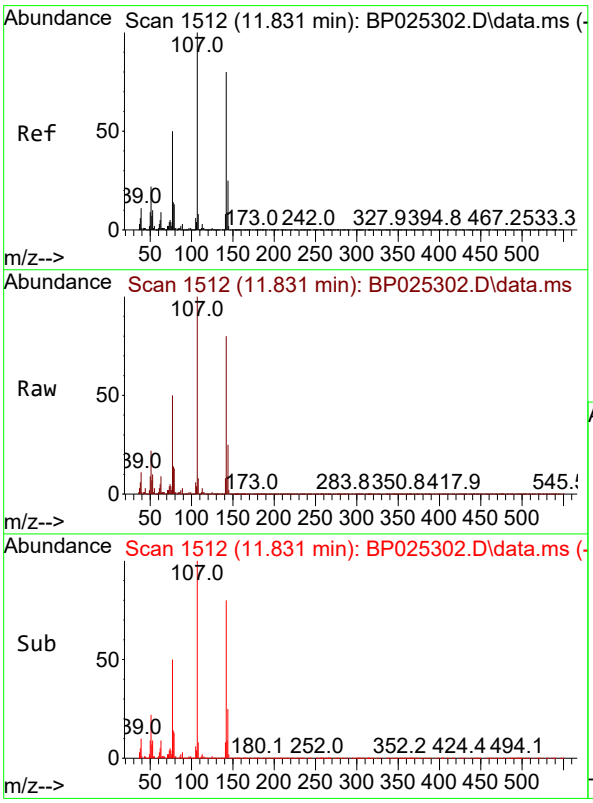
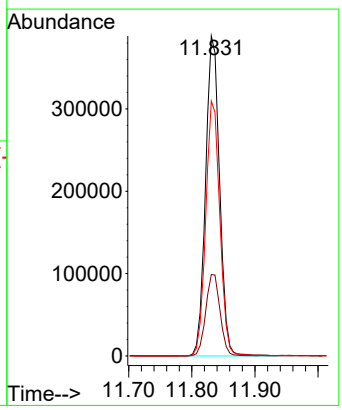
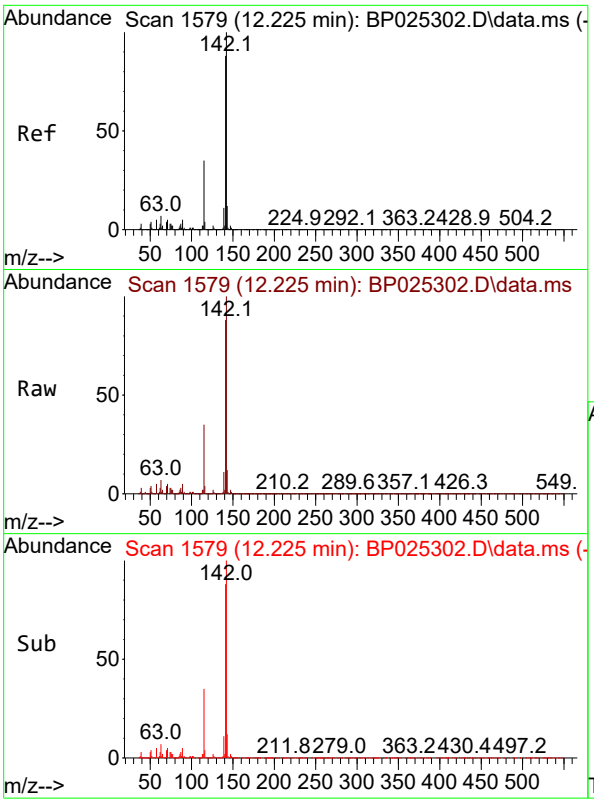


#36
4-Chloro-3-methylphenol
Concen: 40.617 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 600241

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	79.6	63.7	95.5

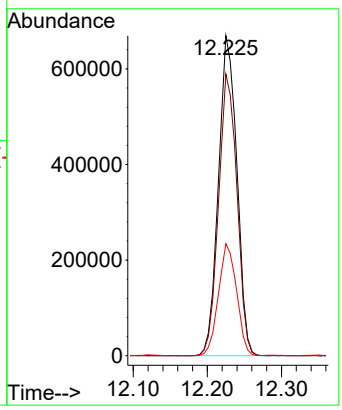




#37
2-Methylnaphthalene
Concen: 39.028 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:142 Resp: 115483

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	35.0	28.0	42.0



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ClientSampleId :
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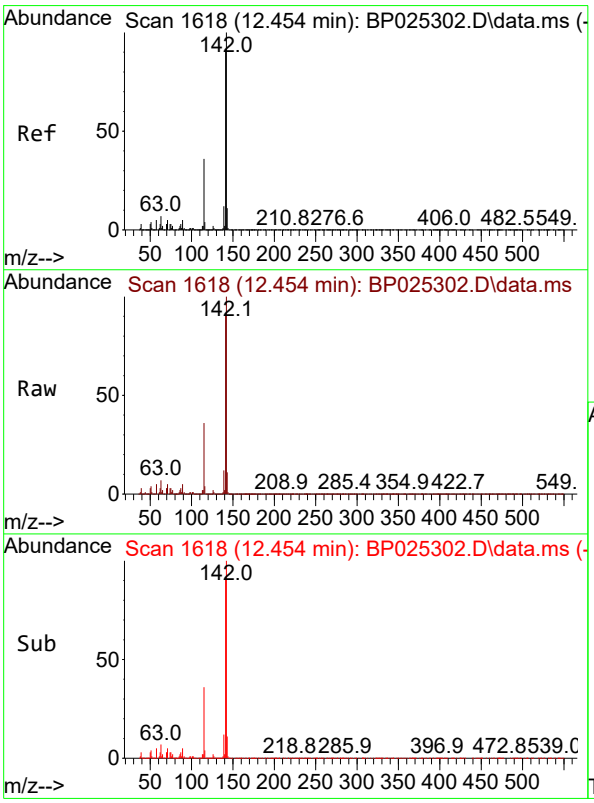
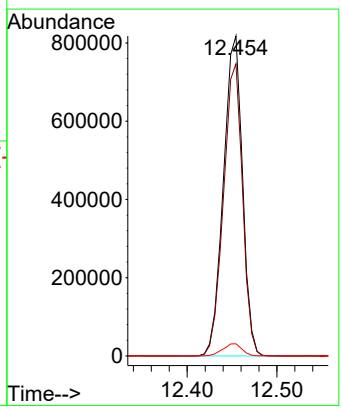
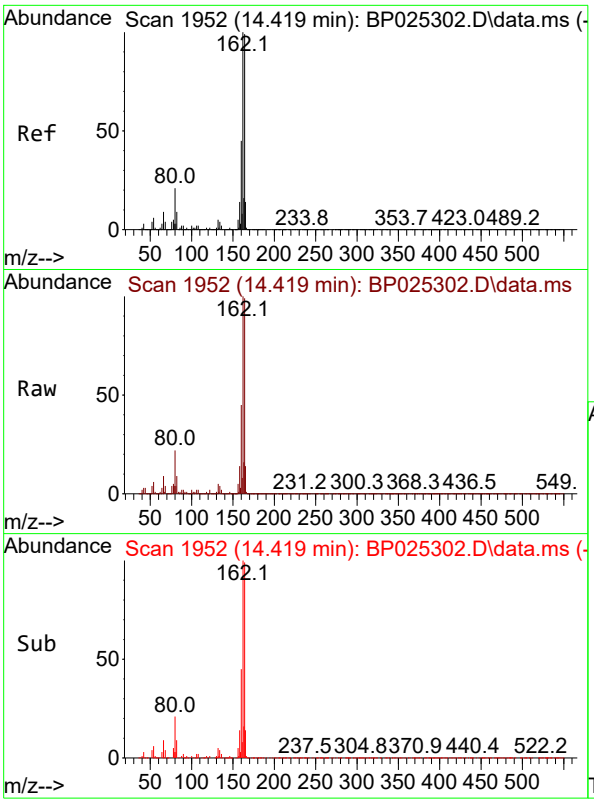


#38
1-Methylnaphthalene
Concen: 39.032 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:142 Resp: 1205124

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
116	3.8	3.0	4.6

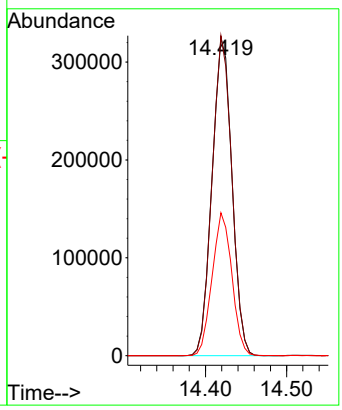




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:164 Resp: 55428

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.9	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
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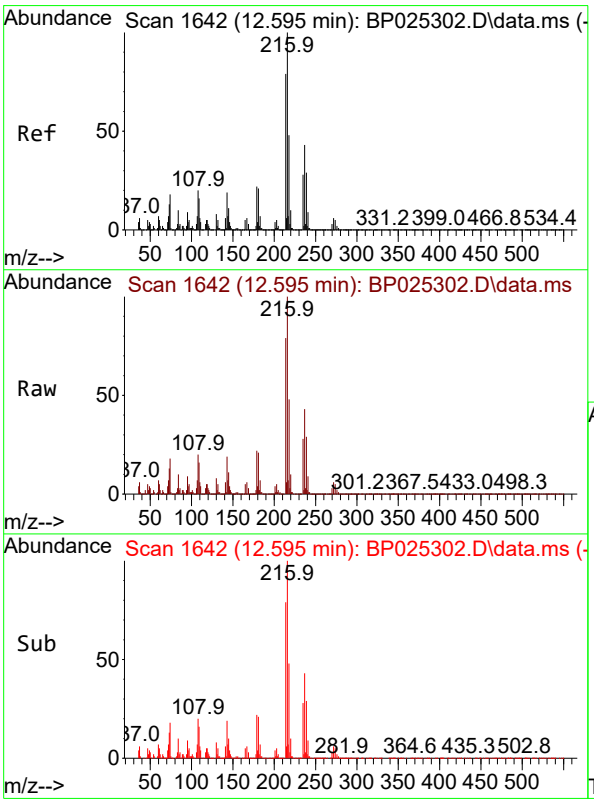
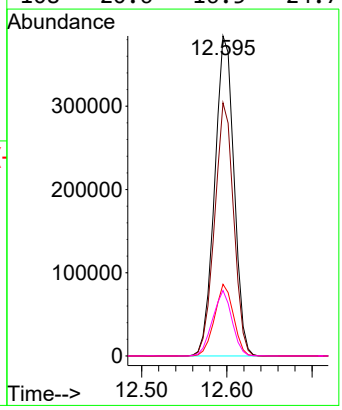
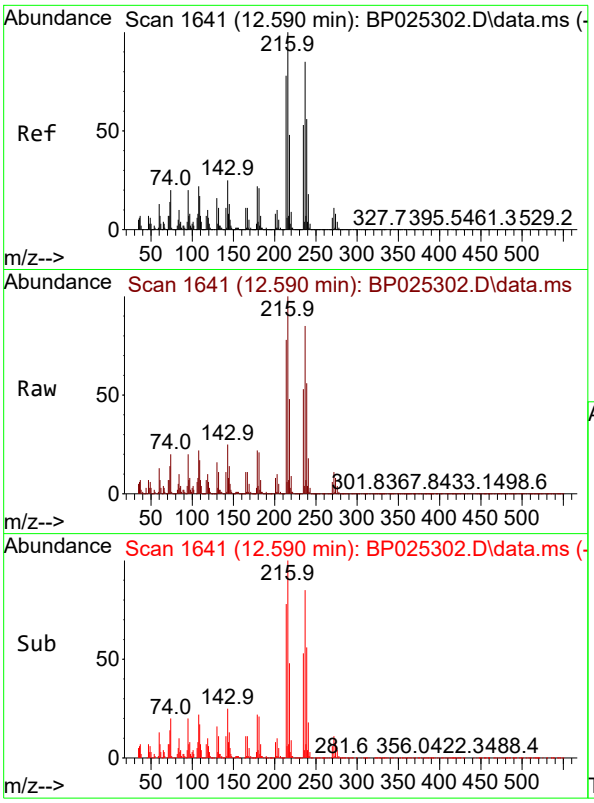


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.051 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:216 Resp: 606083

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.4	93.6
179	21.9	17.5	26.3
108	20.6	16.5	24.7





#41
Hexachlorocyclopentadiene
Concen: 39.278 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:237 Resp: 36685

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.2	82.2
272	12.8	0.0	32.8

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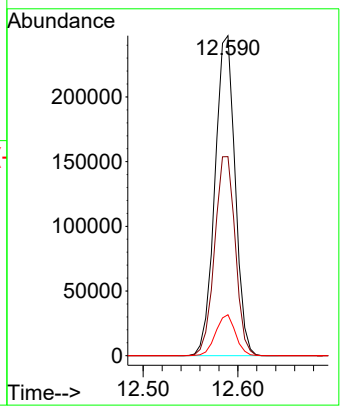
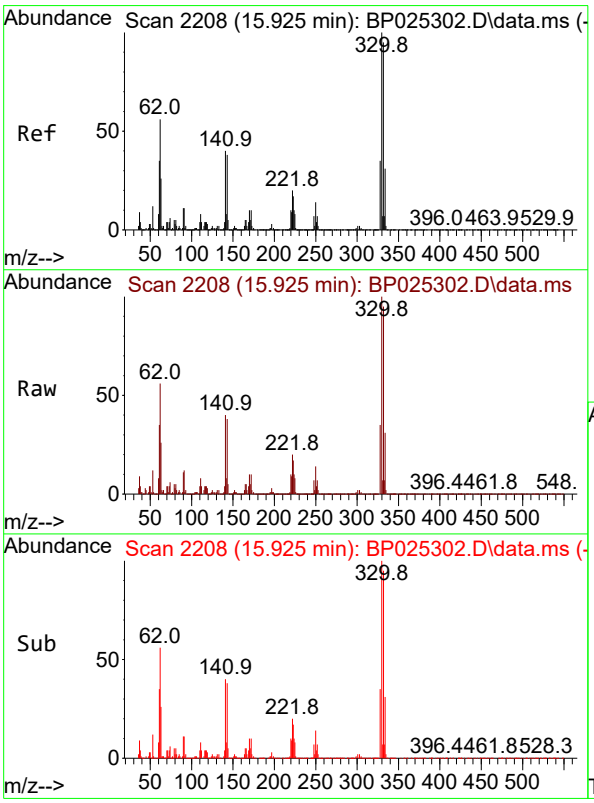
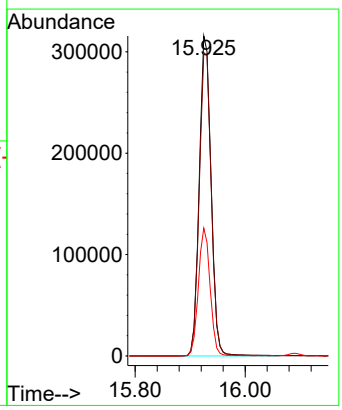


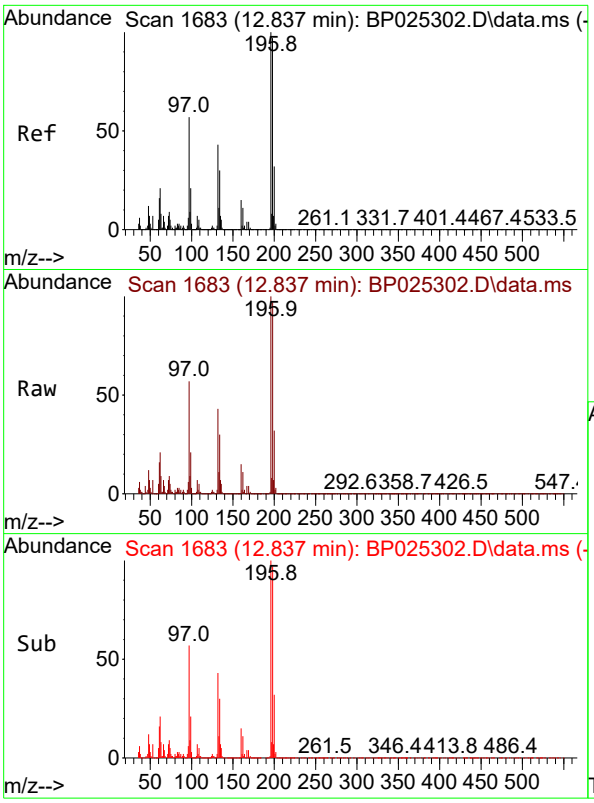


#42
2,4,6-Tribromophenol
Concen: 82.296 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:330 Resp: 470979

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	39.6	31.7	47.5

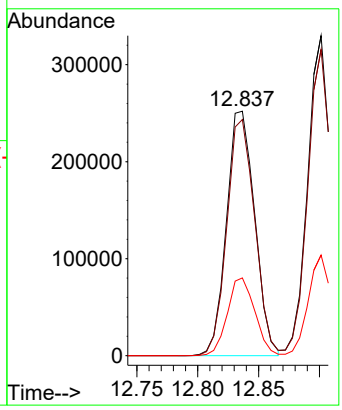




#43
2,4,6-Trichlorophenol
Concen: 41.576 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:196 Resp: 40643

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
200	31.8	25.4	38.2



Instrument :
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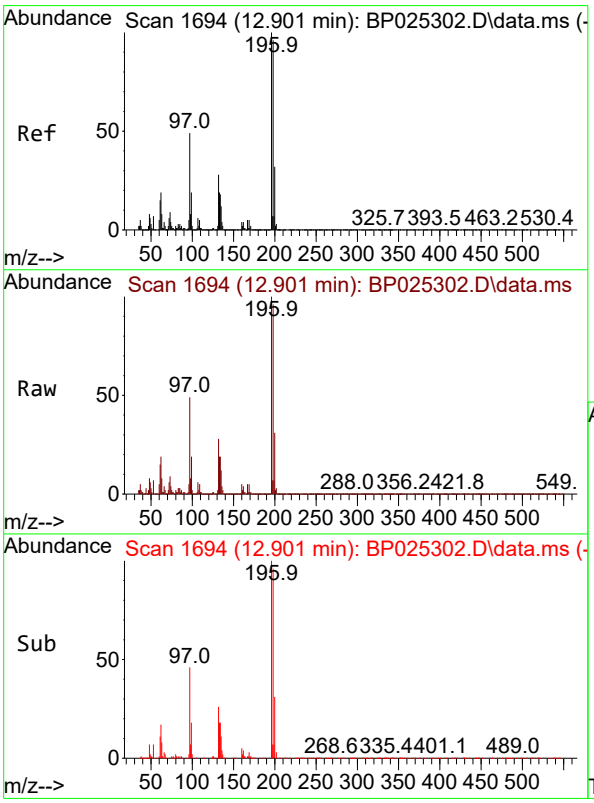
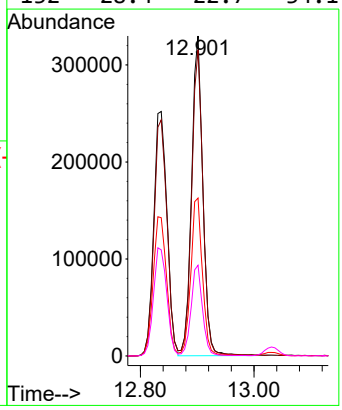
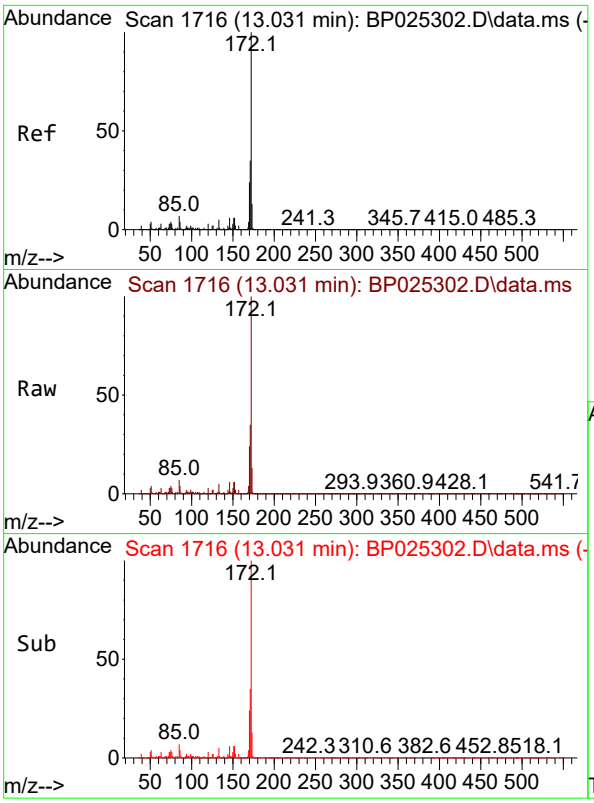


#44
2,4,5-Trichlorophenol
Concen: 41.667 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:196 Resp: 456928

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	49.4	39.5	59.3
132	28.4	22.7	34.1

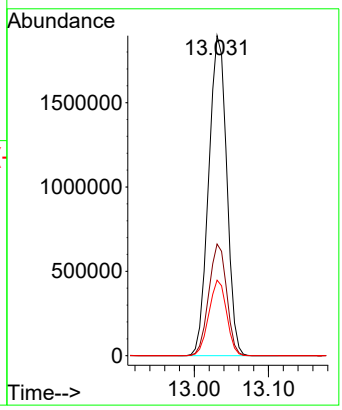




#45
2-Fluorobiphenyl
Concen: 80.179 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:172 Resp: 320051

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.6	18.9	28.3



Instrument :
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SSTDICCC040

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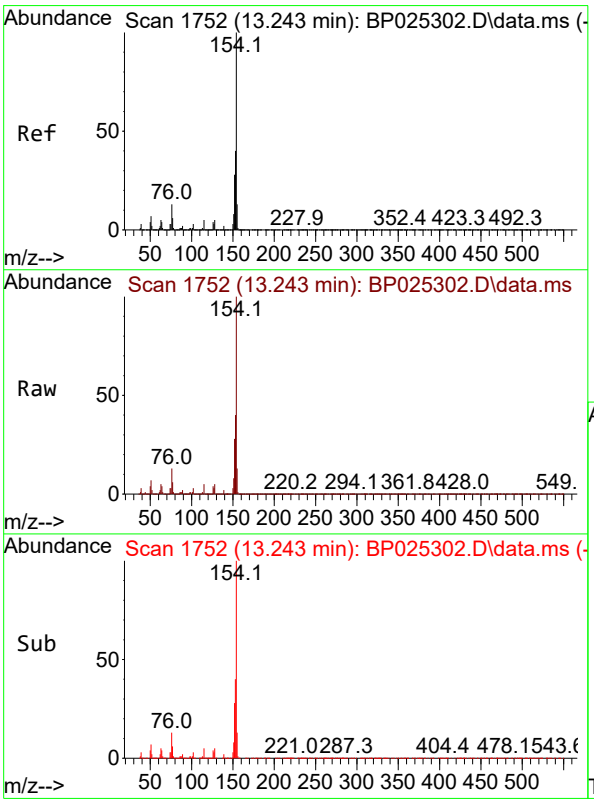
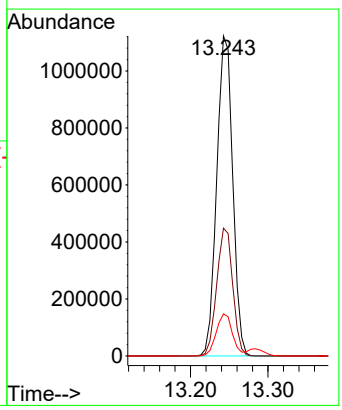
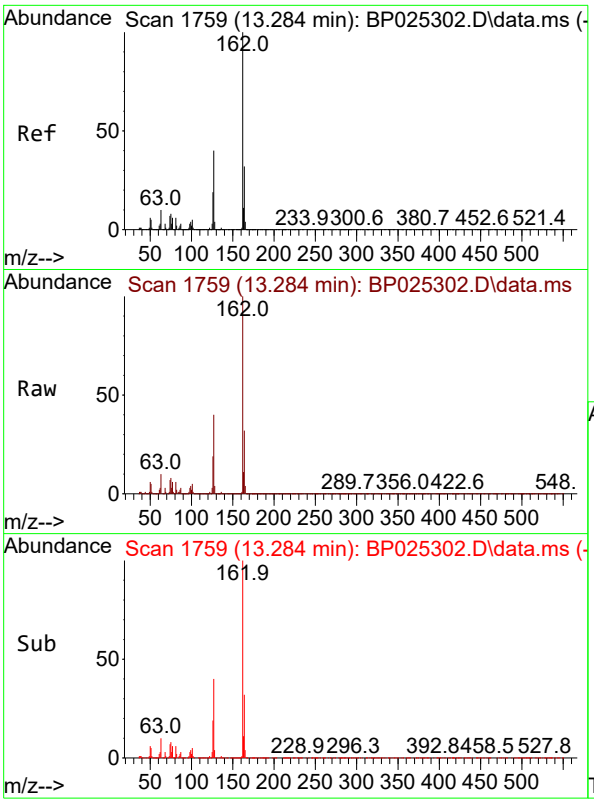


#46
1,1'-Biphenyl
Concen: 39.314 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1605905

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.2	0.0	33.2

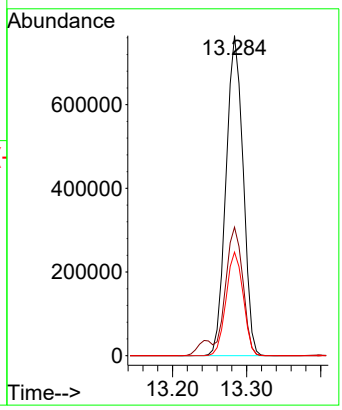




#47
2-Chloronaphthalene
Concen: 39.335 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:162 Resp: 122584

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	32.4	25.9	38.9



Instrument :
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ClientSampleId :
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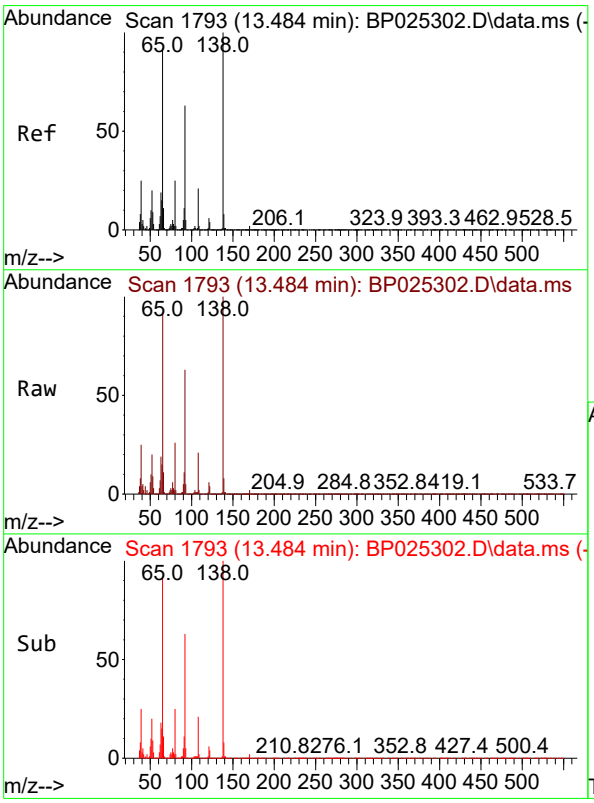
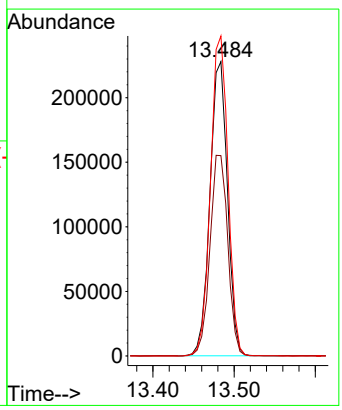
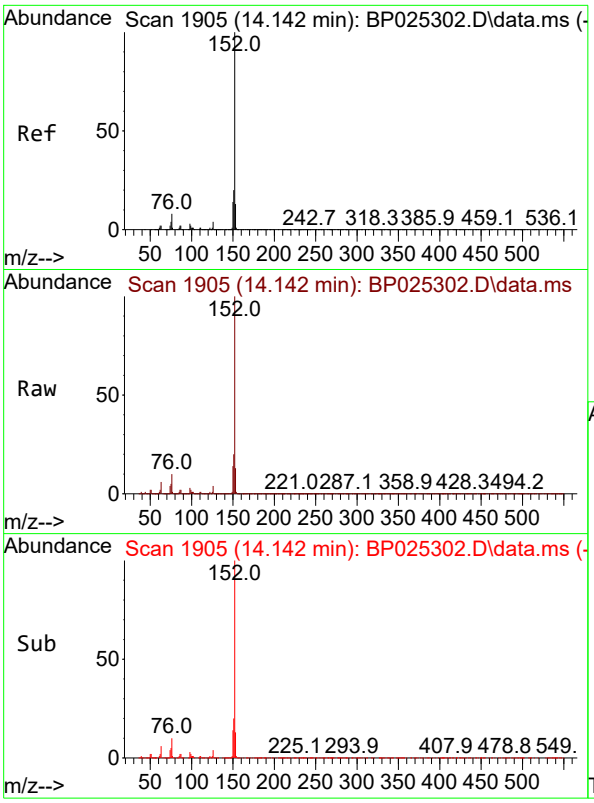


#48
2-Nitroaniline
Concen: 38.066 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 65 Resp: 341536

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	108.7	87.0	130.4

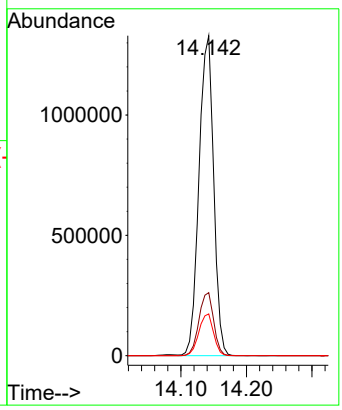




#49
Acenaphthylene
Concen: 39.828 ng
RT: 14.142 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:152 Resp: 207034

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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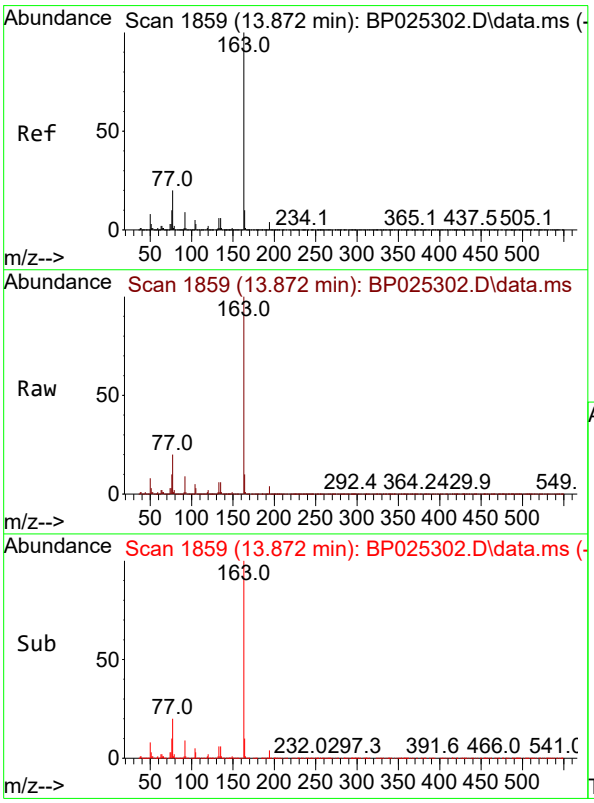
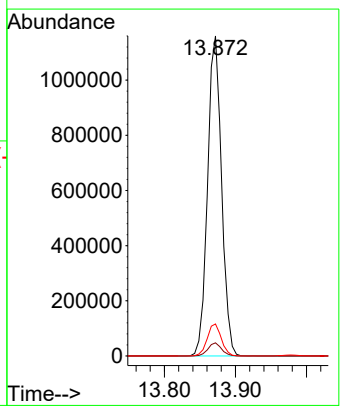
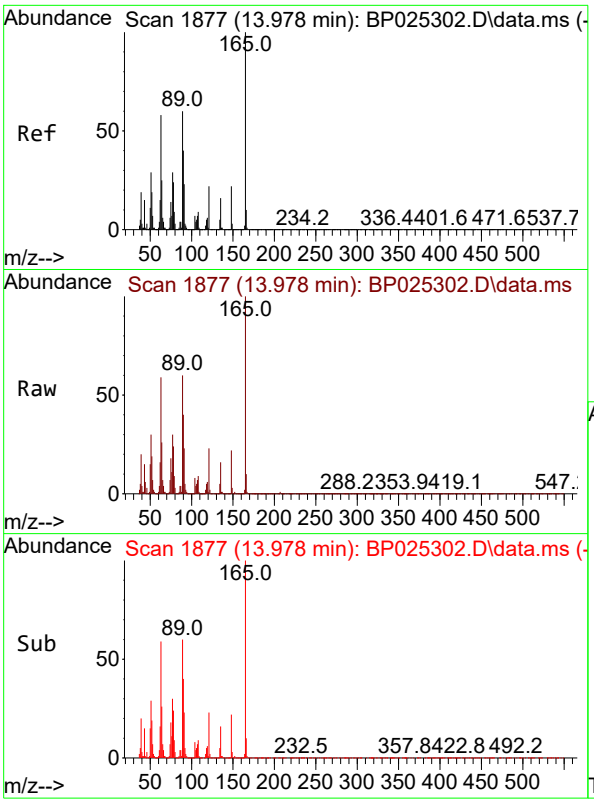


#50
Dimethylphthalate
Concen: 39.258 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:163 Resp: 1586291

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 42.760 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:165 Resp: 31870

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.6	71.4
89	59.8	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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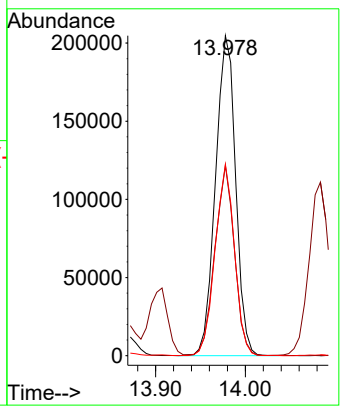
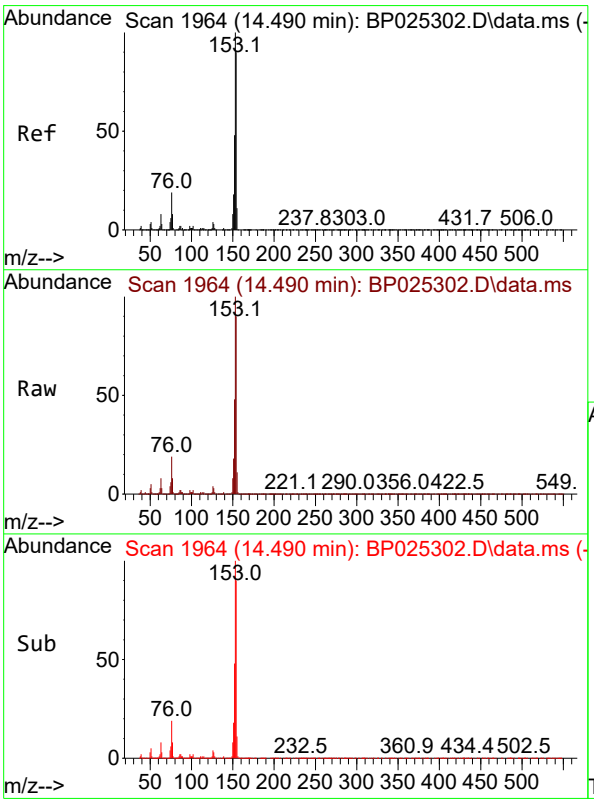
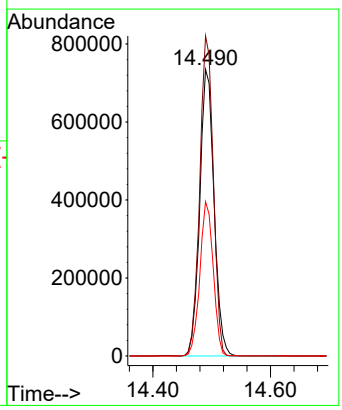


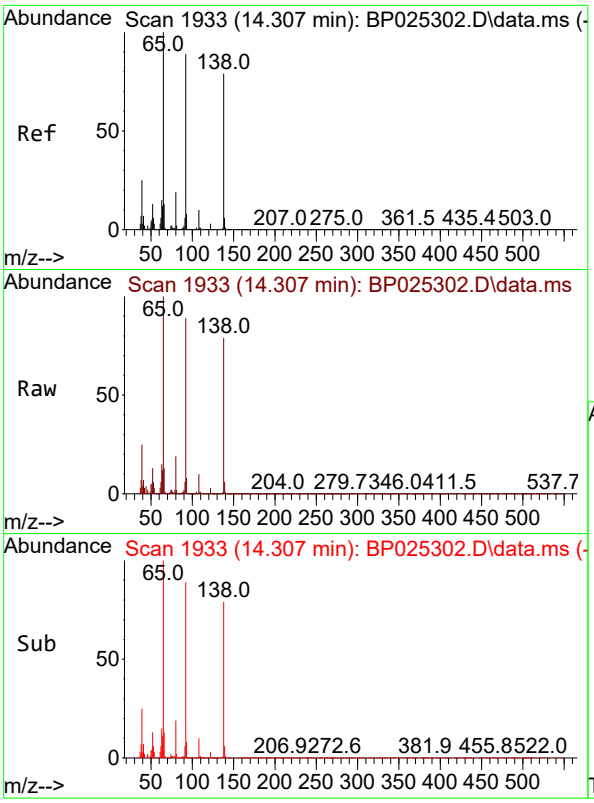


#52
Acenaphthene
Concen: 38.947 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1234915

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	53.8	43.0	64.6





#53
3-Nitroaniline
Concen: 42.324 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:138 Resp: 36912

Ion	Ratio	Lower	Upper
138	100		
108	13.1	10.5	15.7
92	113.6	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
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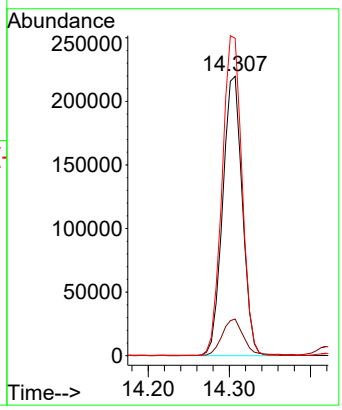
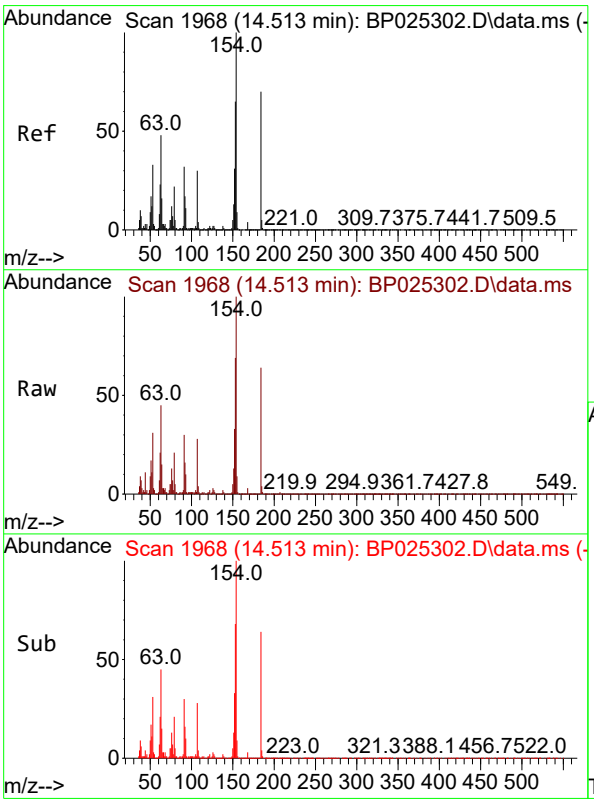
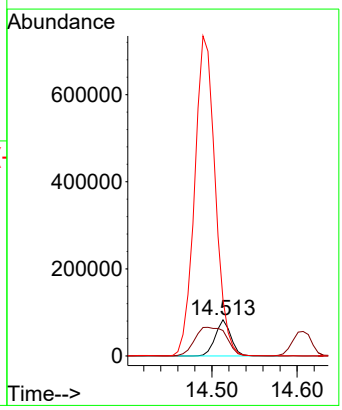


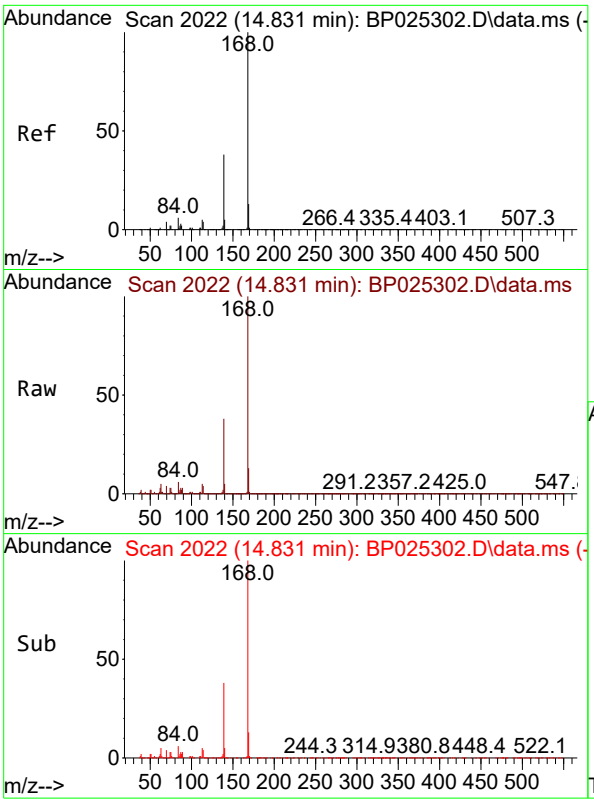


#54
2,4-Dinitrophenol
Concen: 38.143 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:184 Resp: 105656

Ion	Ratio	Lower	Upper
184	100		
63	70.4	56.3	84.5
154	155.6	124.5	186.7

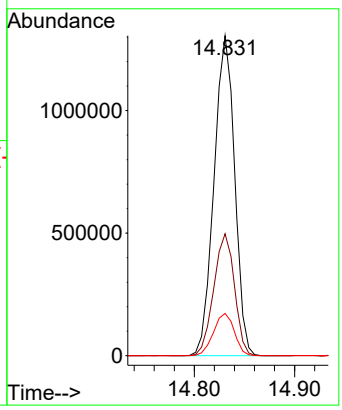




#55
Dibenzofuran
Concen: 39.336 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:168 Resp: 186387

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7
169	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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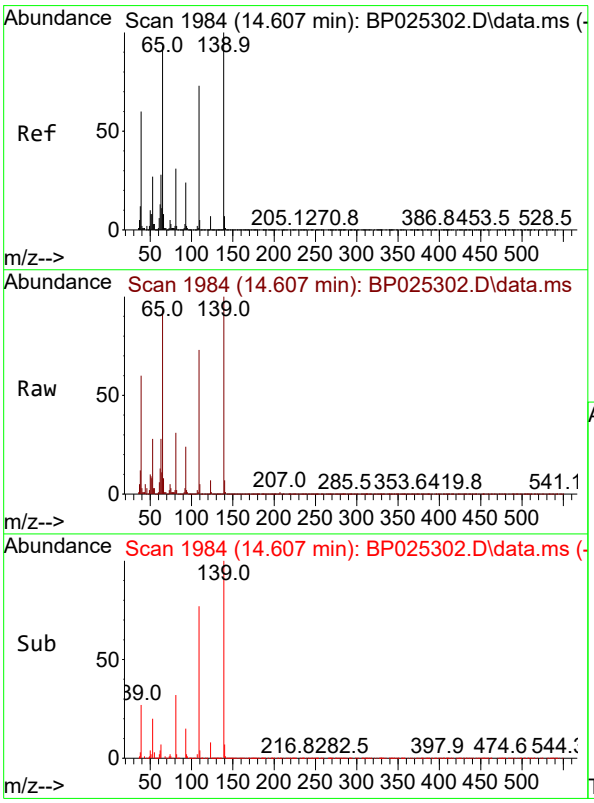
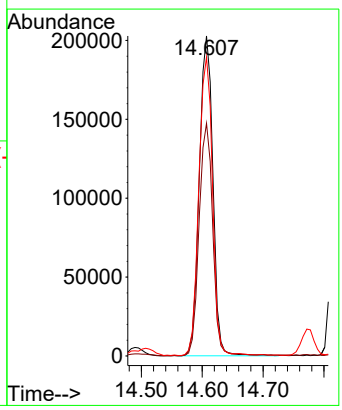
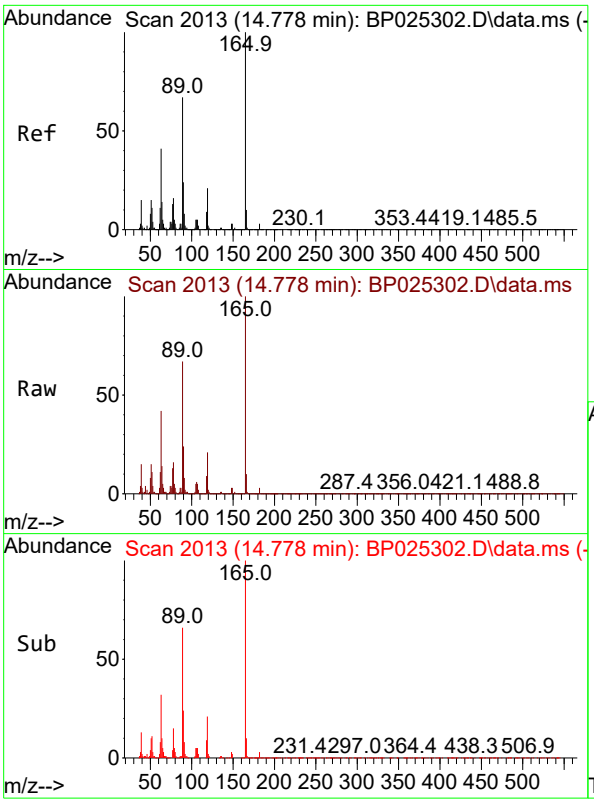


#56
4-Nitrophenol
Concen: 40.848 ng
RT: 14.607 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 314409

Ion	Ratio	Lower	Upper
139	100		
109	72.7	52.7	92.7
65	93.4	73.4	113.4

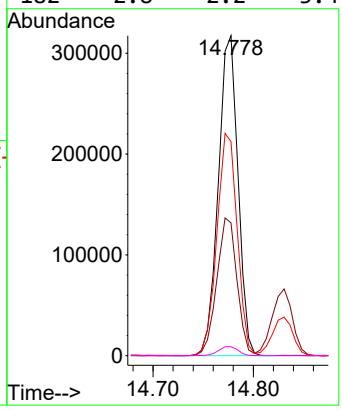




#57
2,4-Dinitrotoluene
Concen: 38.103 ng
RT: 14.778 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:165 Resp: 43191

Ion	Ratio	Lower	Upper
165	100		
63	41.5	33.2	49.8
89	66.9	53.5	80.3
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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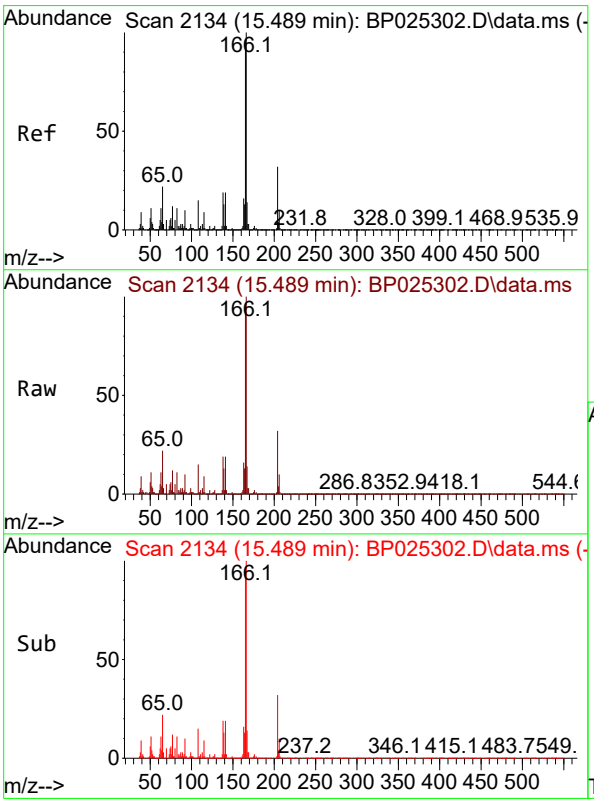
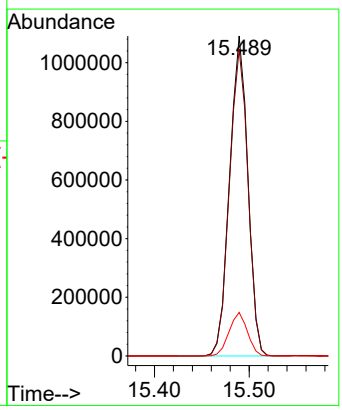
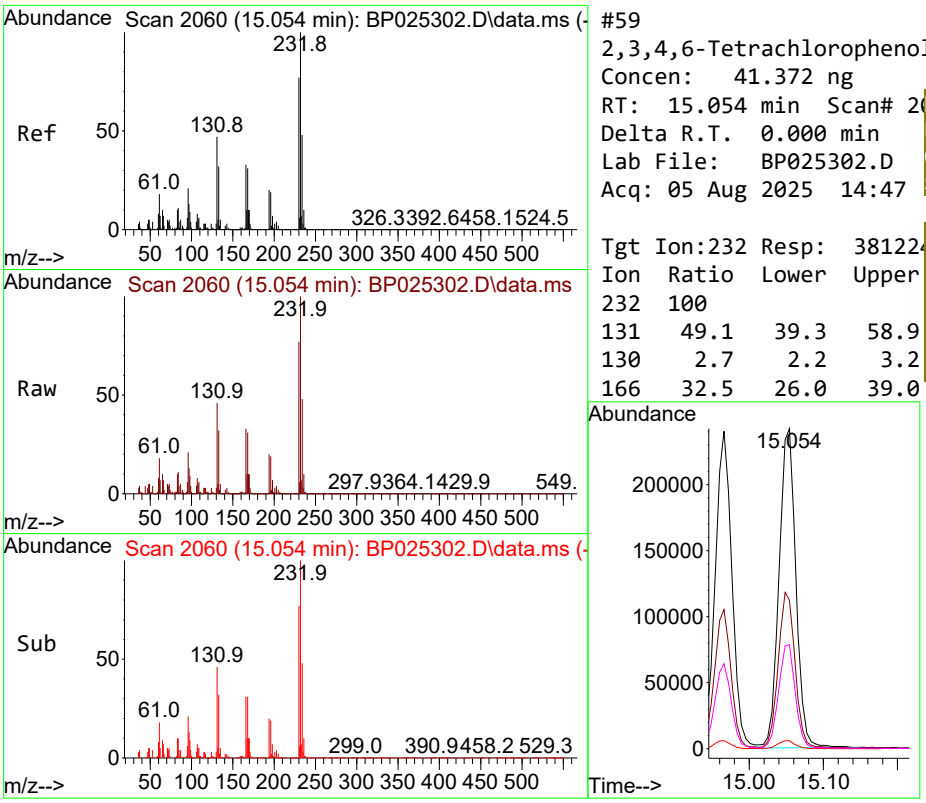


#58
Fluorene
Concen: 39.200 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:166 Resp: 1458854

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.7	115.1
167	13.6	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.372 ng
RT: 15.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:232 Resp: 38122

Ion	Ratio	Lower	Upper
232	100		
131	49.1	39.3	58.9
130	2.7	2.2	3.2
166	32.5	26.0	39.0

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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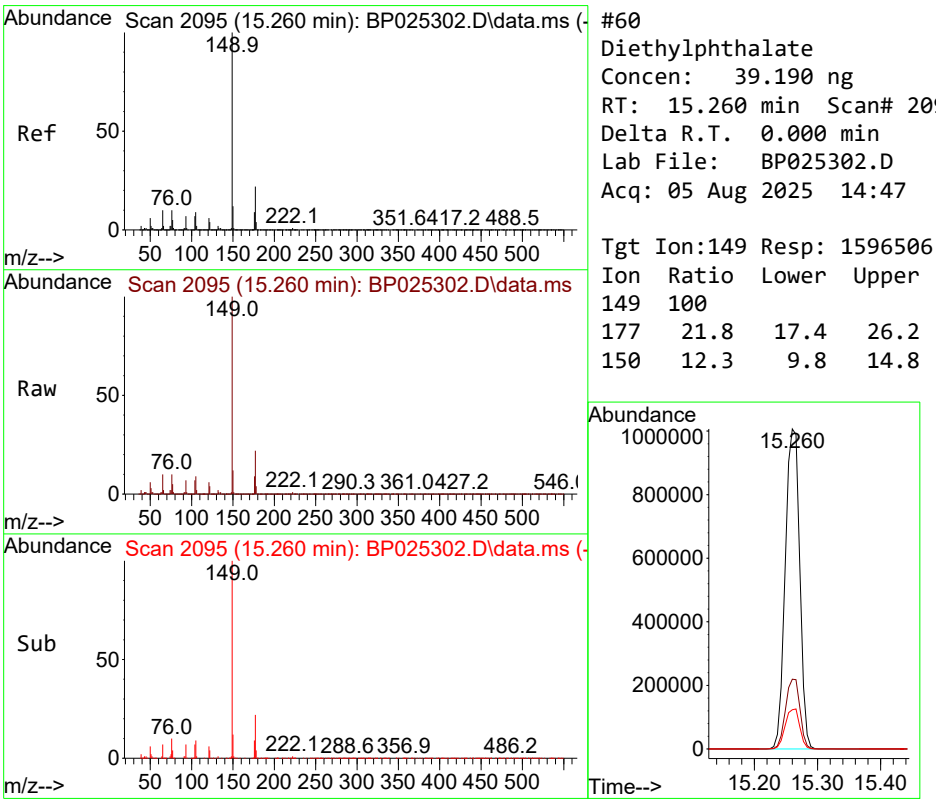
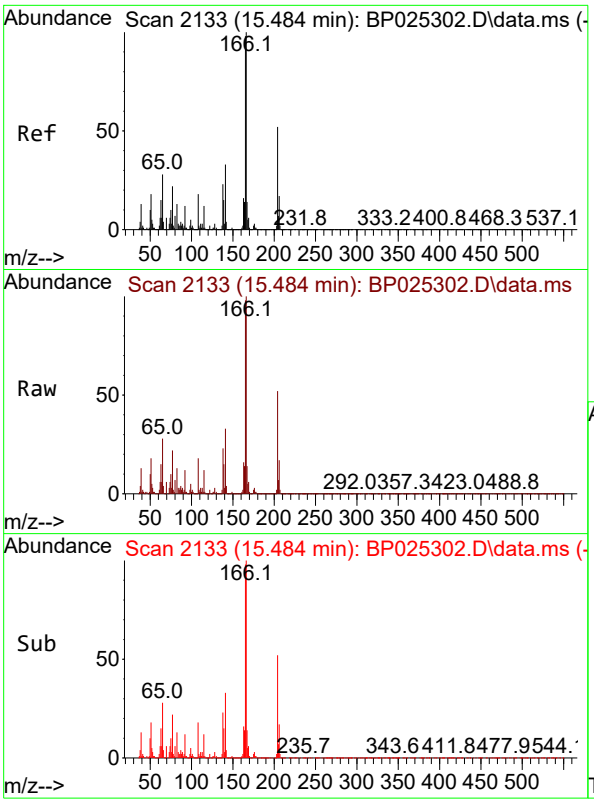


#60
Diethylphthalate
Concen: 39.190 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1596506

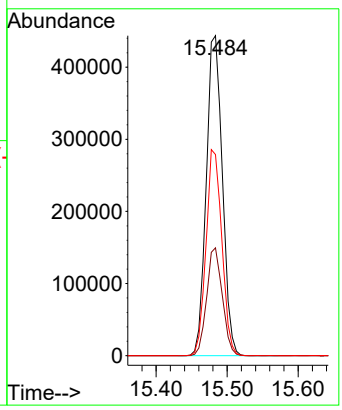
Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8



#61
4-Chlorophenyl-phenylether
Concen: 39.626 ng
RT: 15.484 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:204 Resp: 69912

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	62.9	50.3	75.5



Instrument :
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ClientSampleId :
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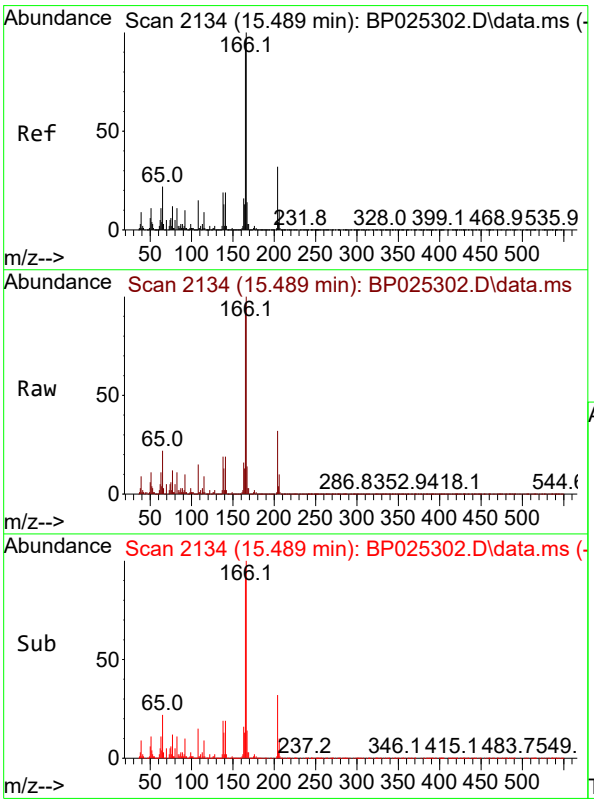
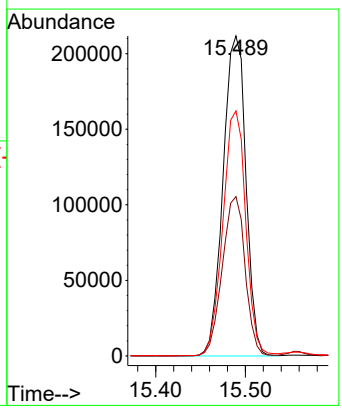
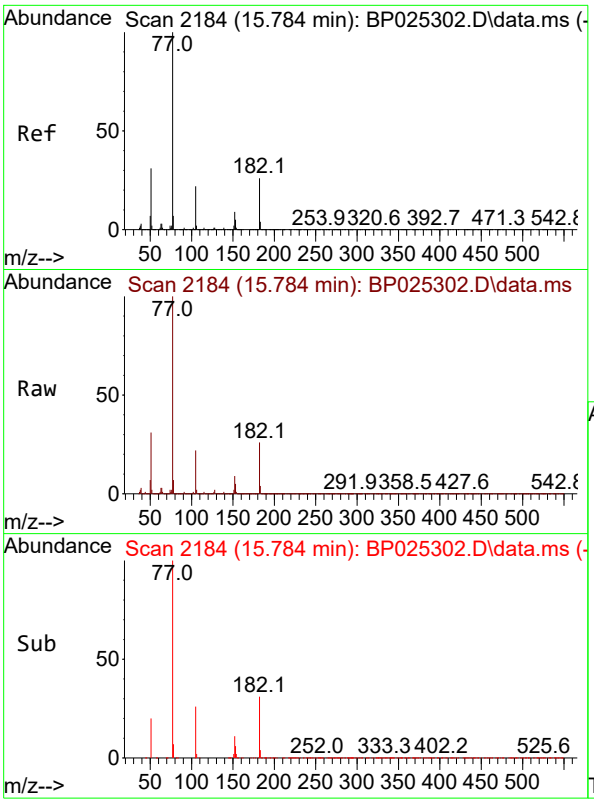


#62
4-Nitroaniline
Concen: 43.373 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:138 Resp: 374812

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	76.6	56.6	96.6

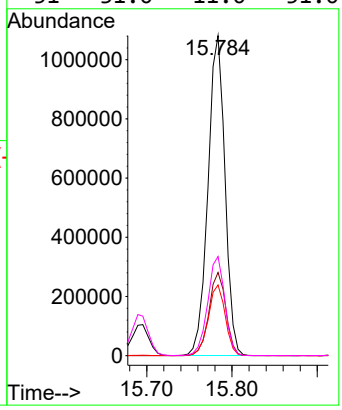




#63
Azobenzene
Concen: 39.565 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 149730

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.1	2.1	42.1
51	31.0	11.0	51.0



Instrument :
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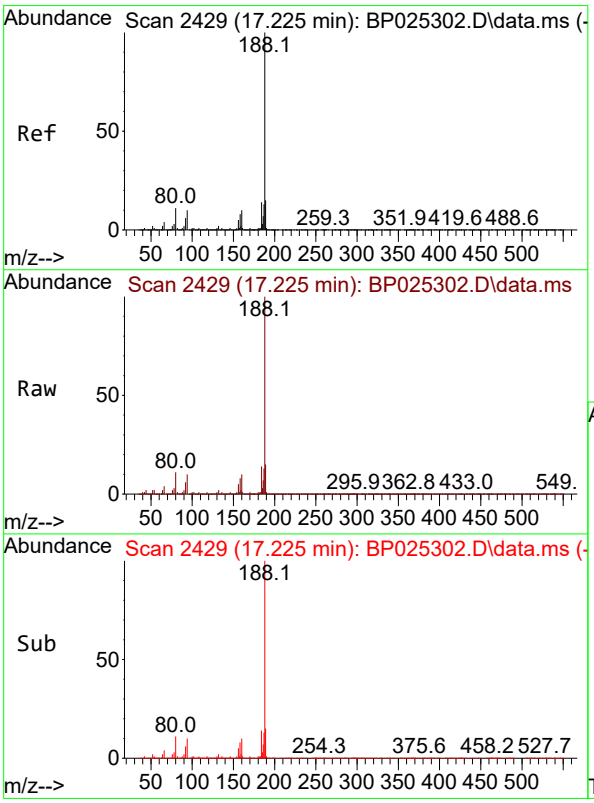
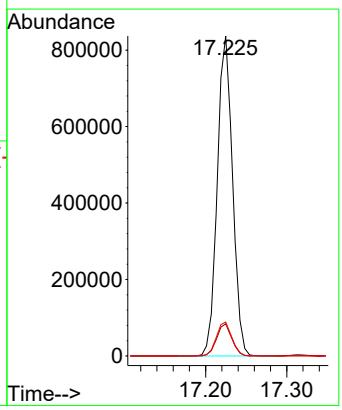
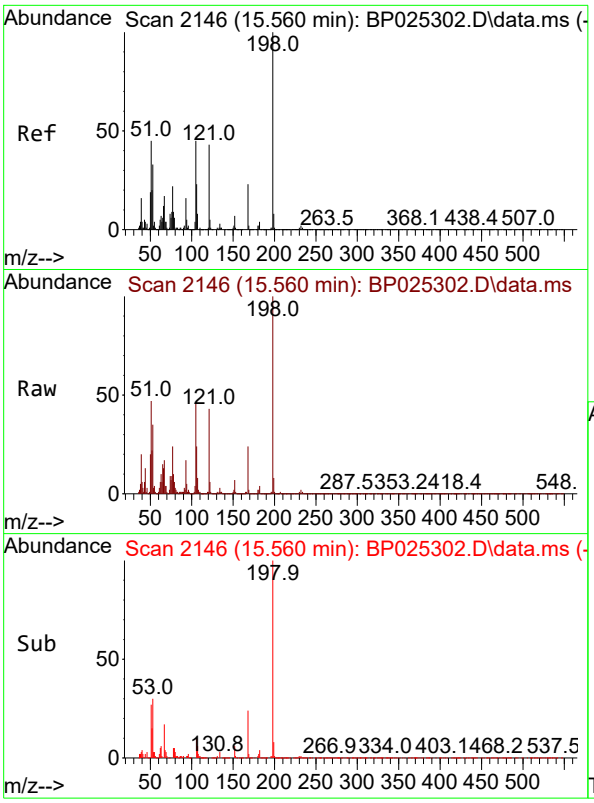


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:188 Resp: 1096367

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.6	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 37.407 ng
RT: 15.560 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:198 Resp: 16514

Ion	Ratio	Lower	Upper
198	100		
51	46.7	26.7	66.7
105	45.6	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
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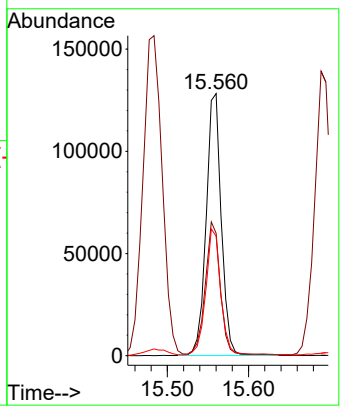
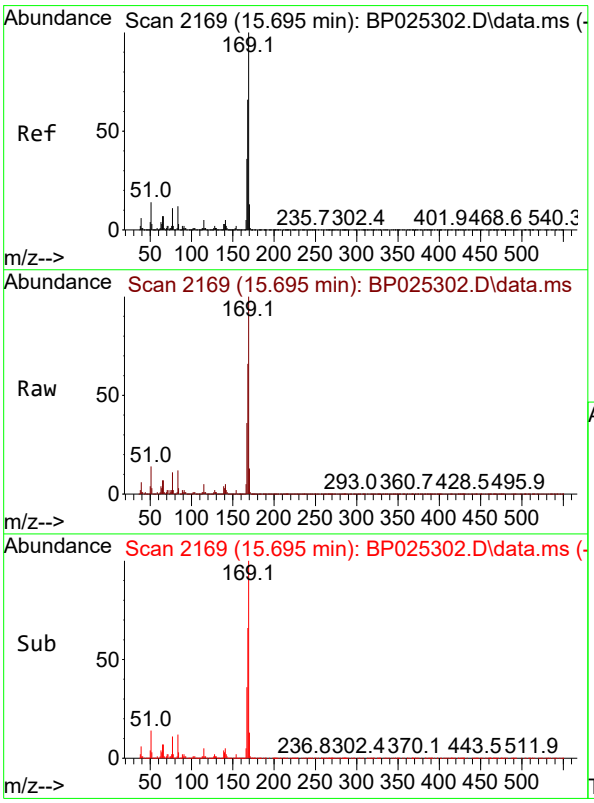
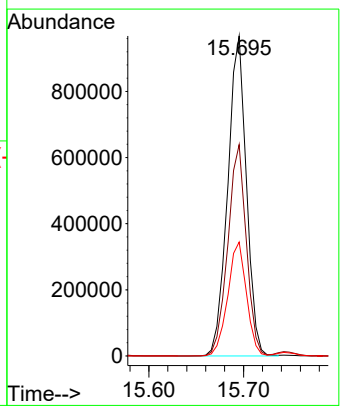


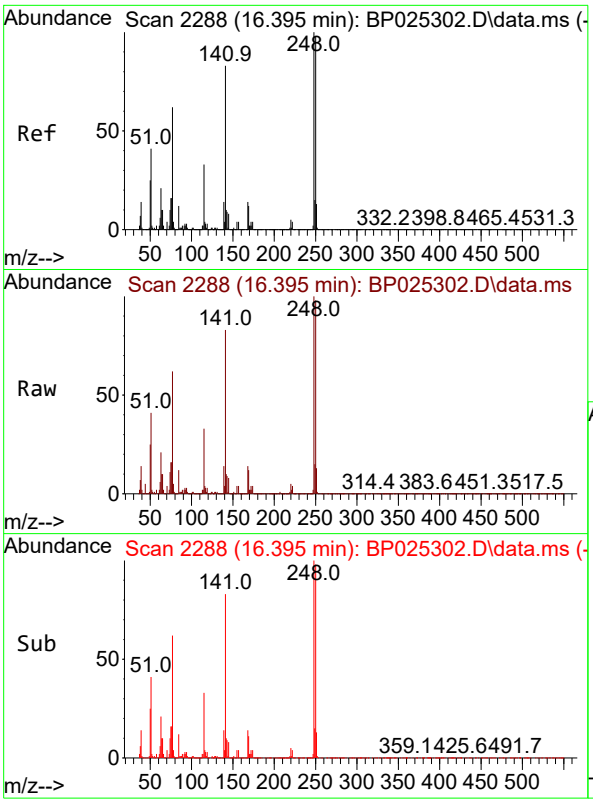


#66
n-Nitrosodiphenylamine
Concen: 39.754 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:169 Resp: 1327098

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.8	79.2
167	35.6	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 39.545 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 43623

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	83.2	66.6	99.8

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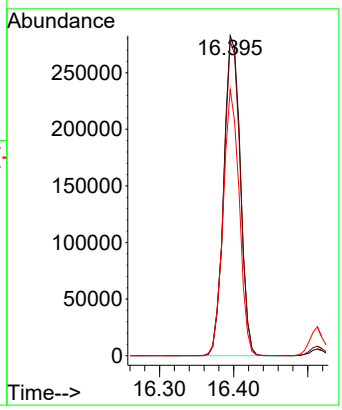
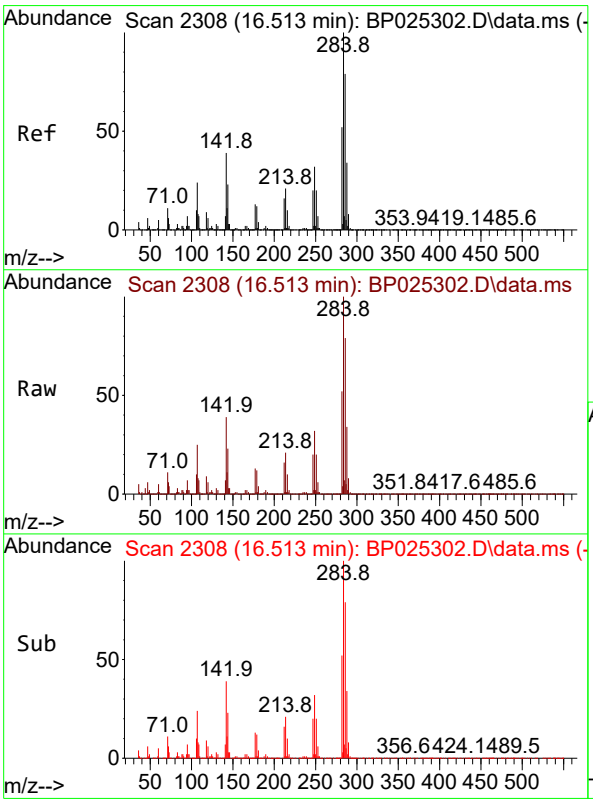
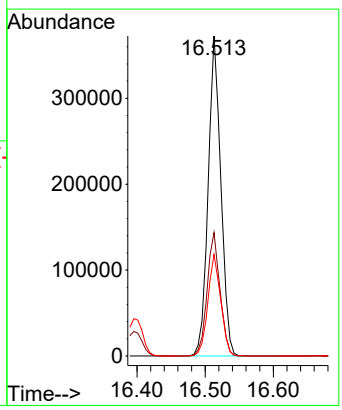


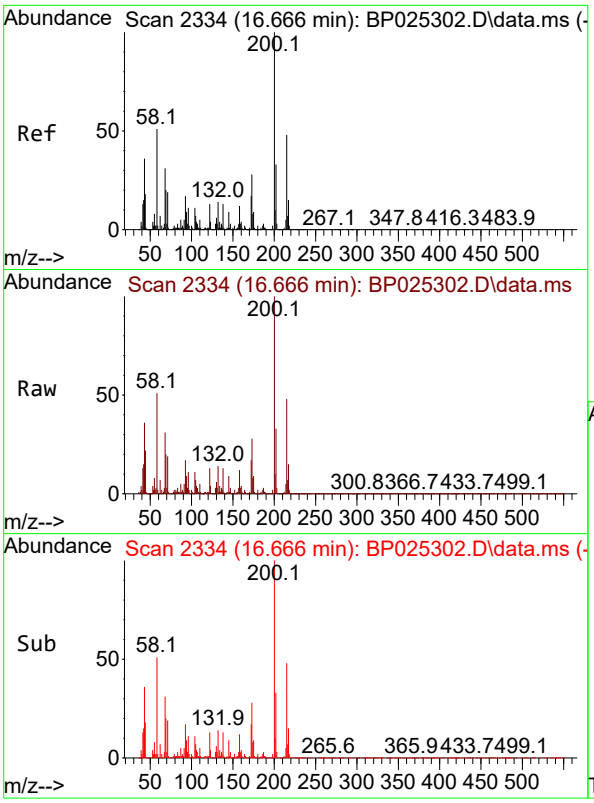


#68
Hexachlorobenzene
Concen: 38.967 ng
RT: 16.513 min Scan# 2308
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:284 Resp: 482334

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.8	46.2
249	31.7	25.4	38.0

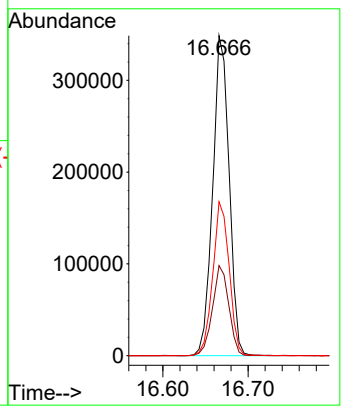




#69
Atrazine
Concen: 39.673 ng
RT: 16.666 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:200 Resp: 46575

Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.2	48.2
215	48.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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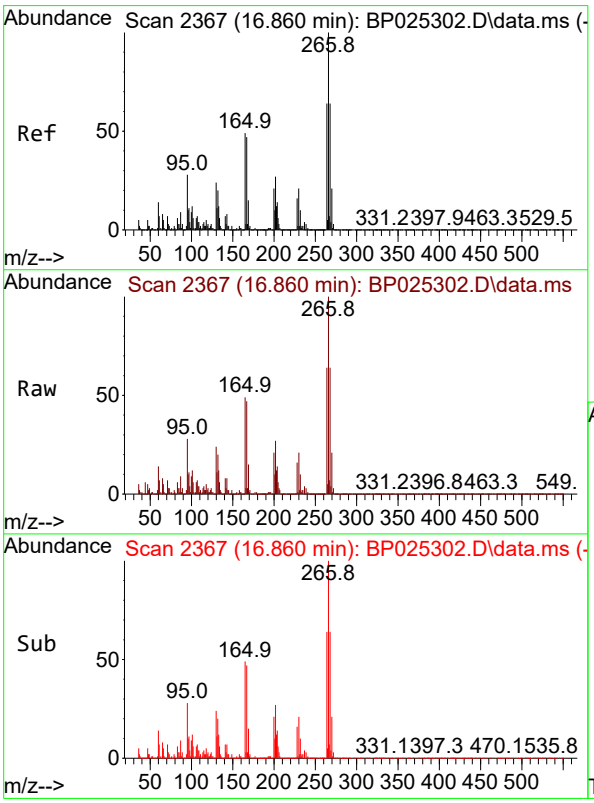
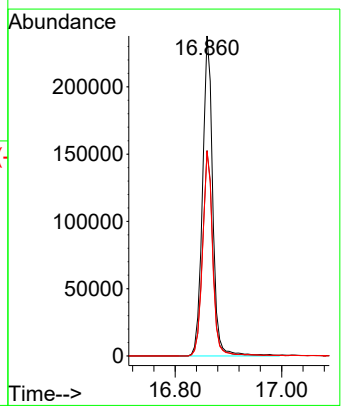
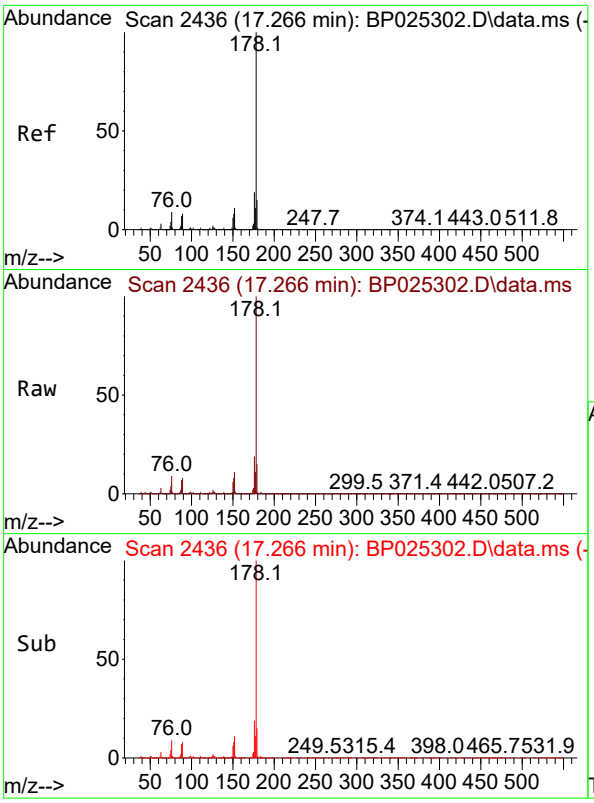


#70
Pentachlorophenol
Concen: 40.000 ng
RT: 16.860 min Scan# 2367
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:266 Resp: 315442

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.0
264	63.9	51.1	76.7

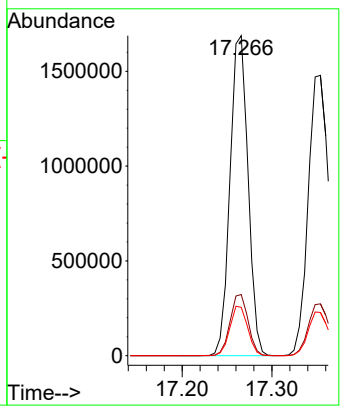




#71
Phenanthrene
Concen: 39.167 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:178 Resp: 235197

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
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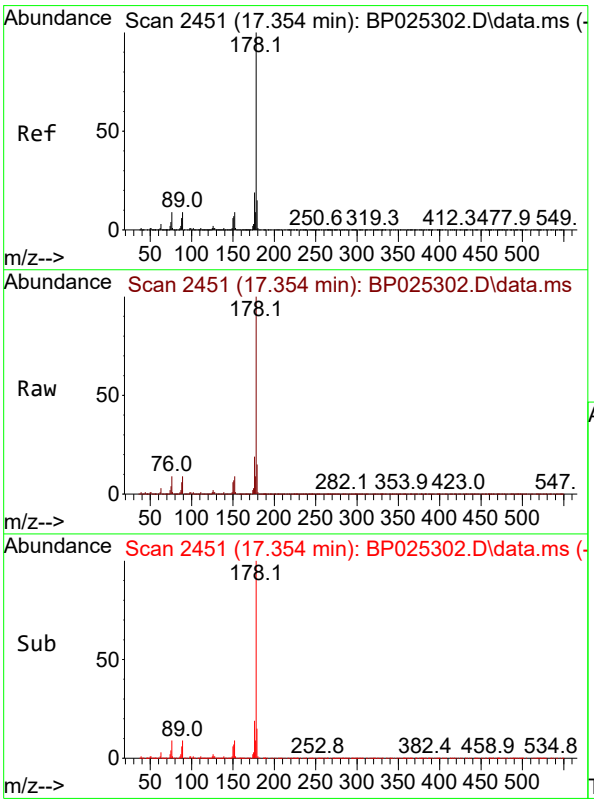
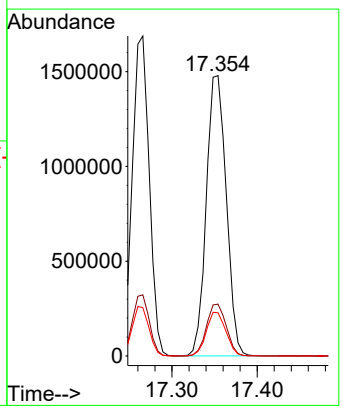
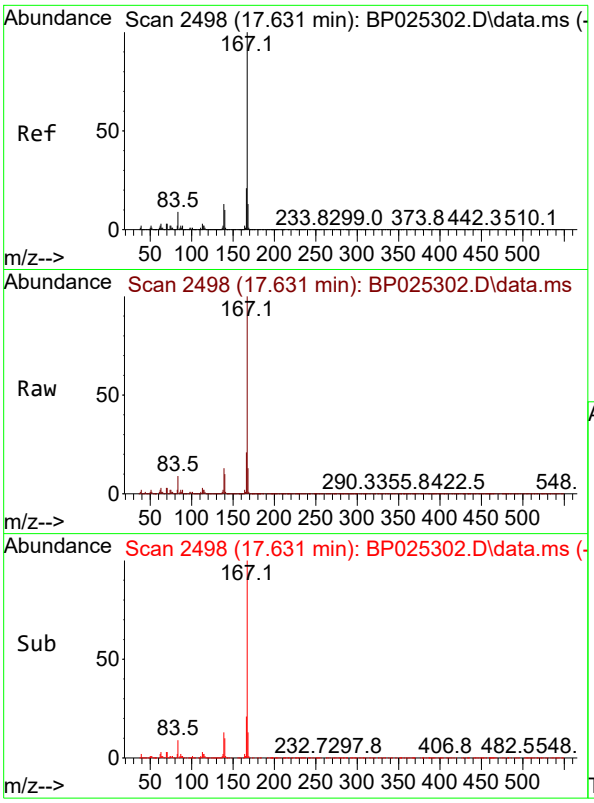


#72
Anthracene
Concen: 39.667 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:178 Resp: 2401769

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5

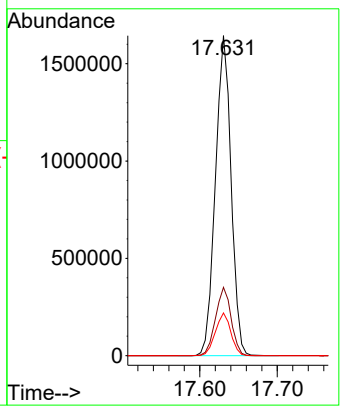




#73
Carbazole
Concen: 39.700 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:167 Resp: 230739

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0



Instrument :
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ClientSampleId :
SSTDICCC040

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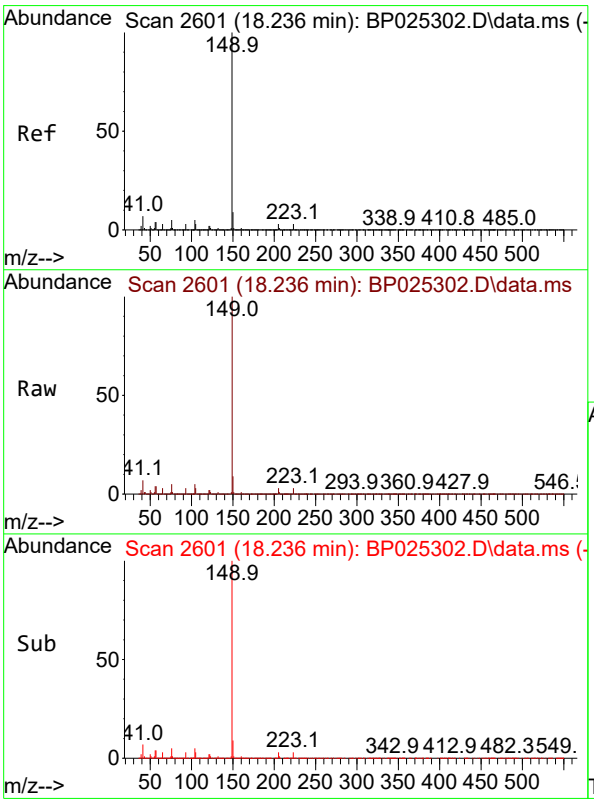
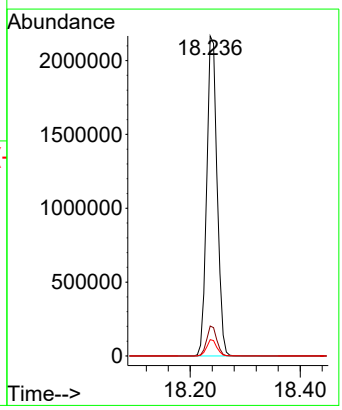
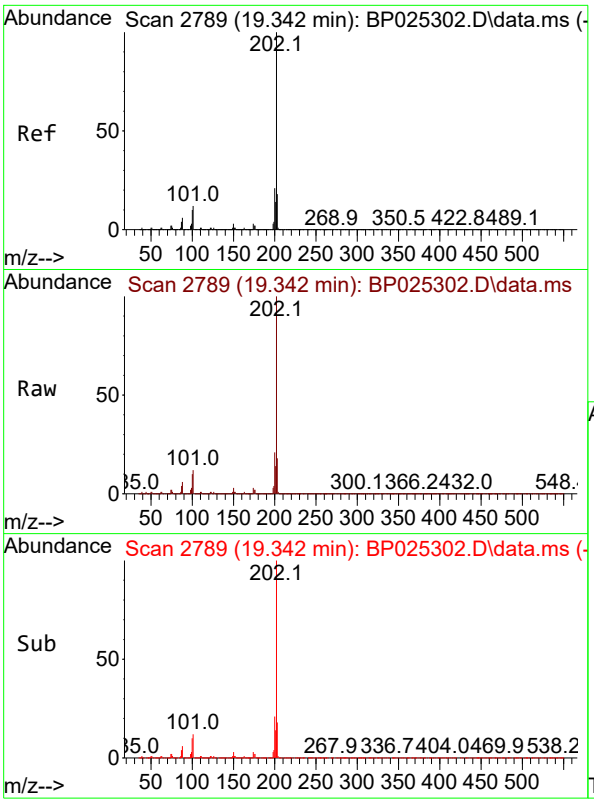


#74
Di-n-butylphthalate
Concen: 40.220 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 2828001

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1

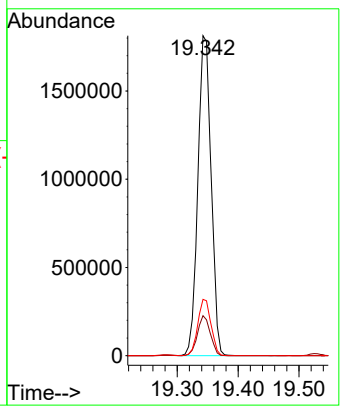




#75
Fluoranthene
Concen: 39.501 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:202 Resp: 274588

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.5
203	17.6	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
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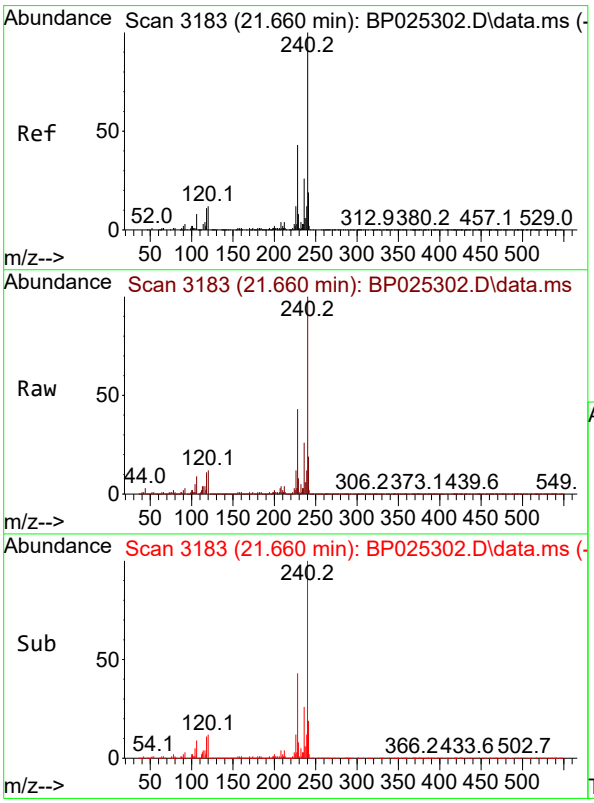
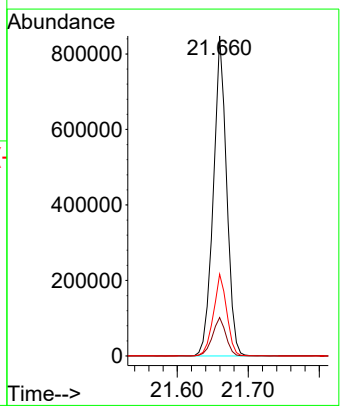
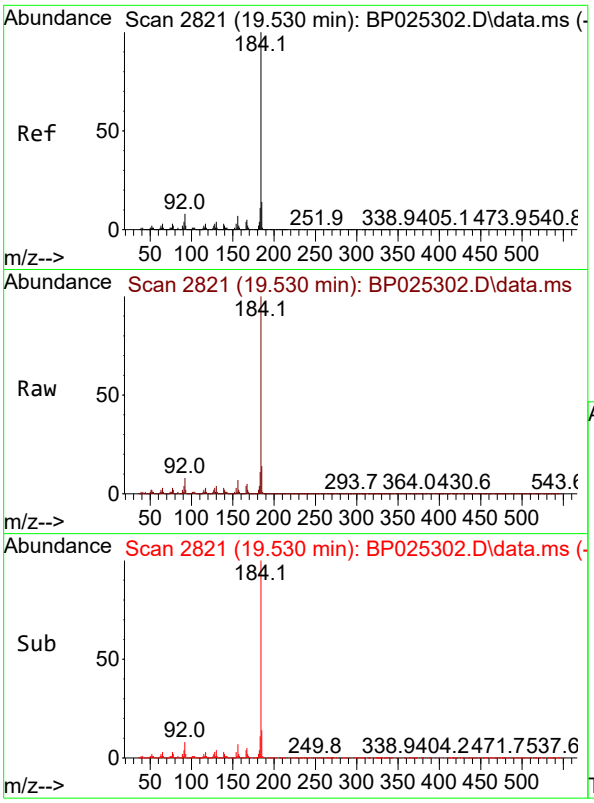


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:240 Resp: 1098659

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.5	20.4	30.6

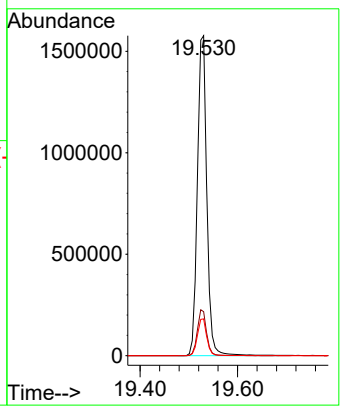




#77
Benzidine
Concen: 53.598 ng
RT: 19.530 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:184 Resp: 213135

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.0	16.6
183	11.5	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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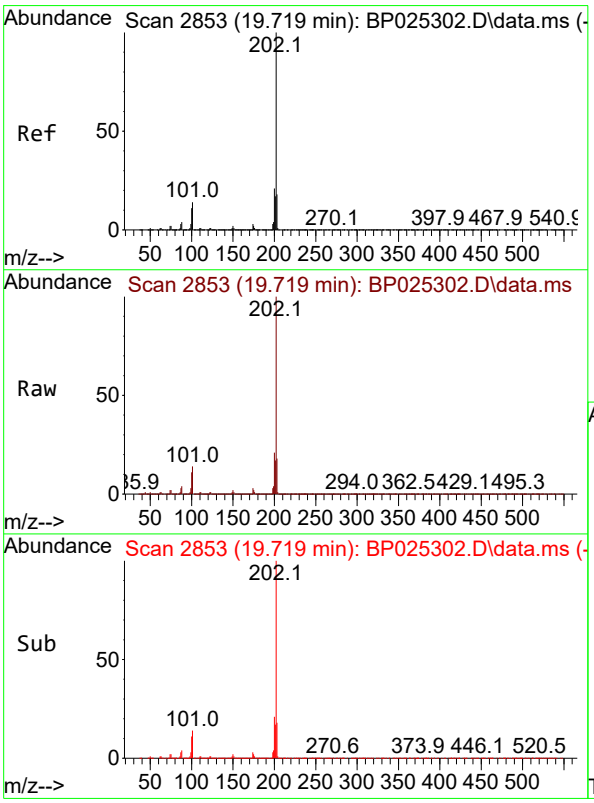
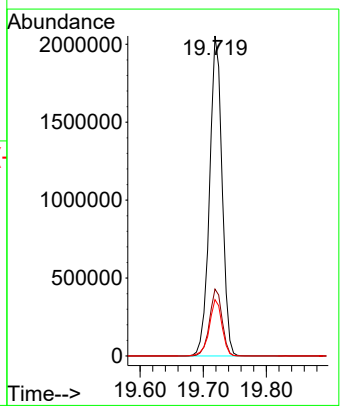
Supervised By :Jagrut Upadhyay 08/06/2025

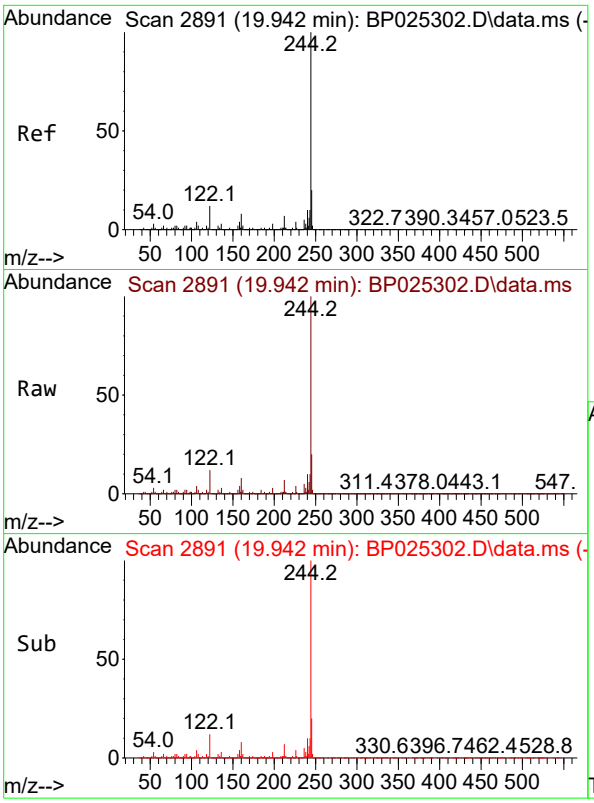


#78
Pyrene
Concen: 38.761 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:202 Resp: 2831811

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

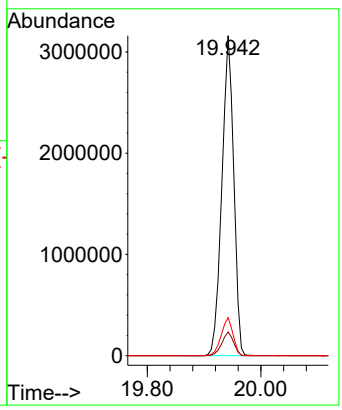




#79
Terphenyl-d14
Concen: 79.015 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:244 Resp: 459514

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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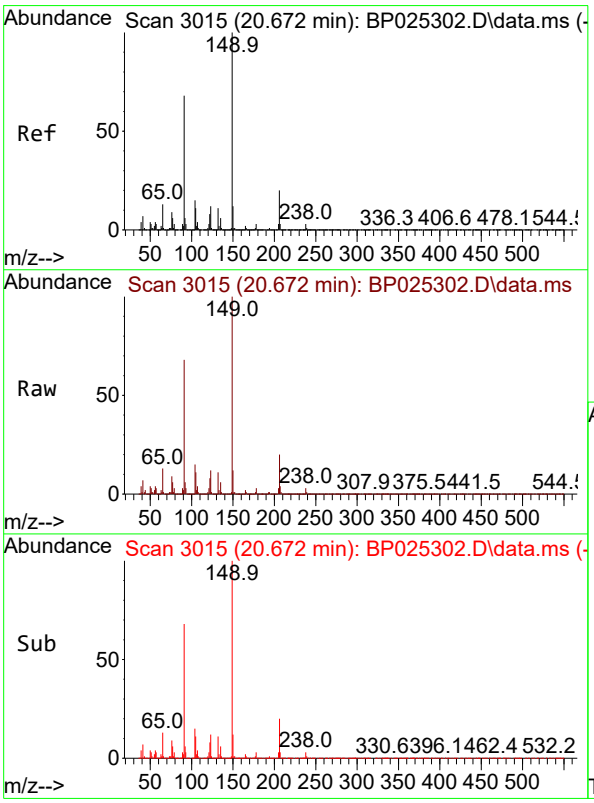
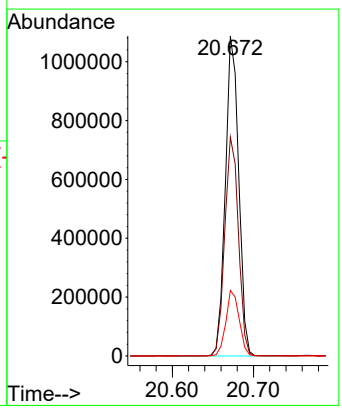
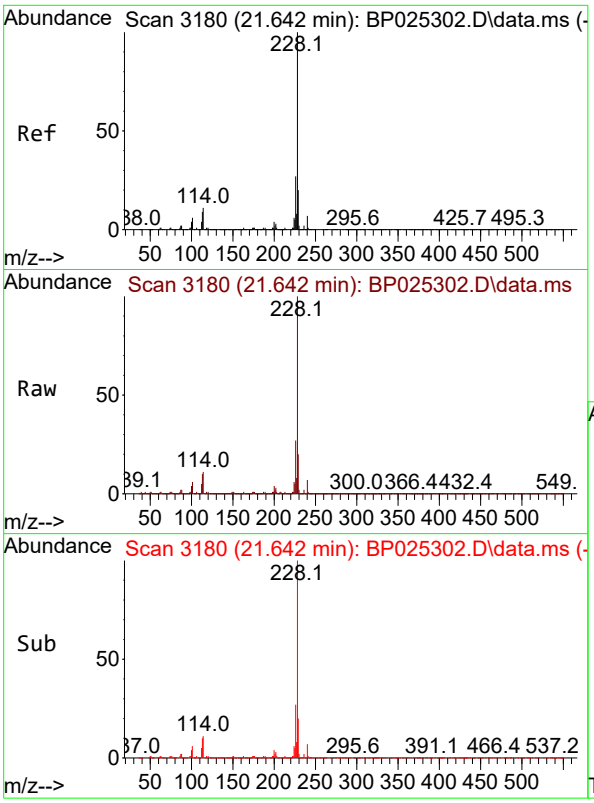


#80
Butylbenzylphthalate
Concen: 41.913 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1241891

Ion	Ratio	Lower	Upper
149	100		
91	68.4	54.7	82.1
206	20.5	16.4	24.6

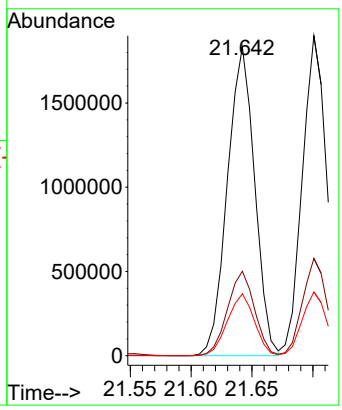




#81
Benzo(a)anthracene
Concen: 39.173 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:228 Resp: 285997

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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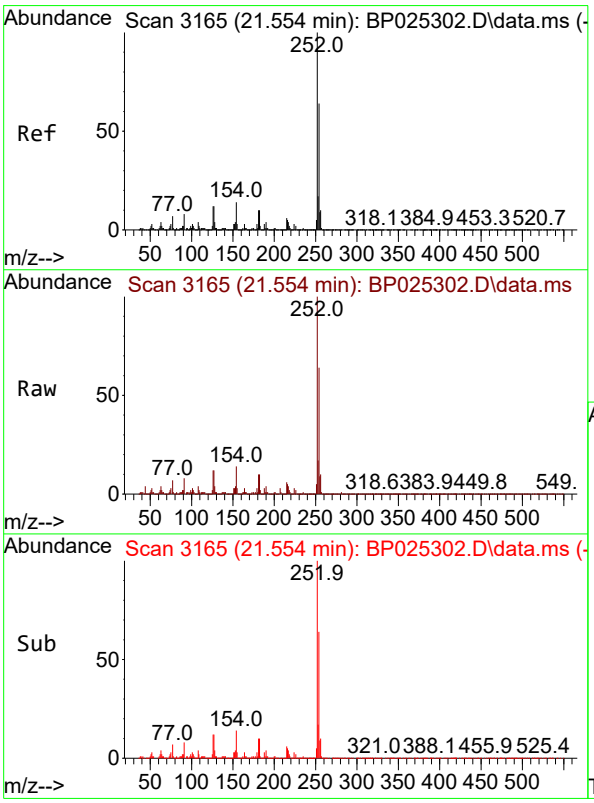
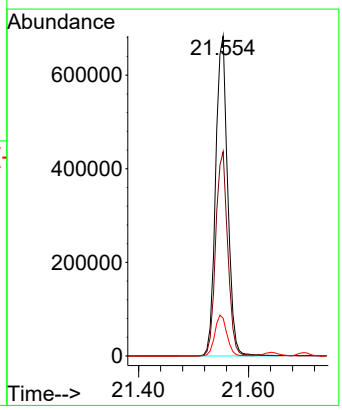
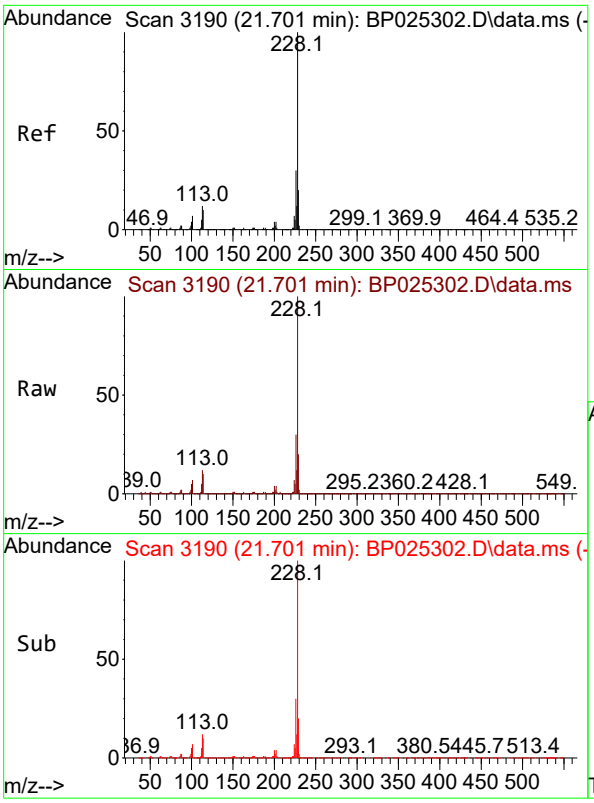


#82
3,3'-Dichlorobenzidine
Concen: 40.358 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 1039593

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

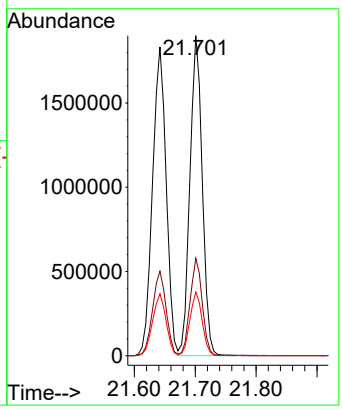




#83
Chrysene
Concen: 39.503 ng
RT: 21.701 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:228 Resp: 267497

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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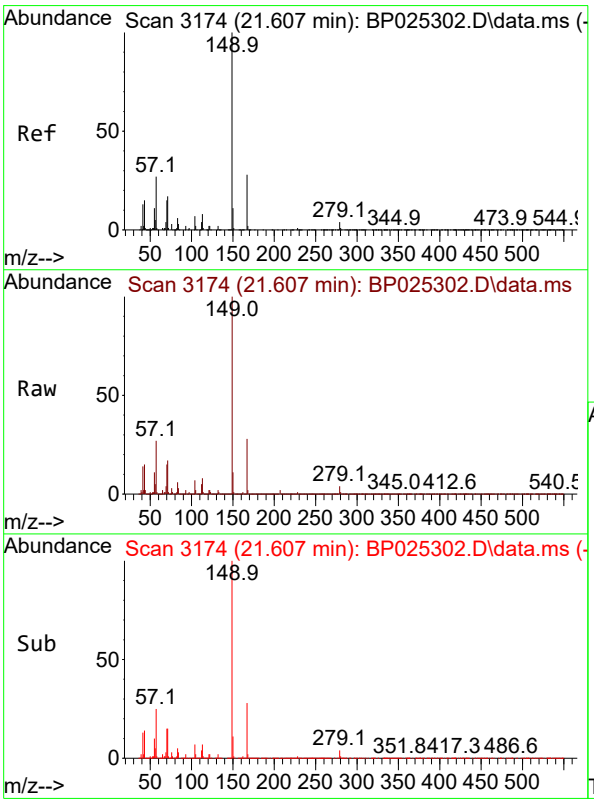
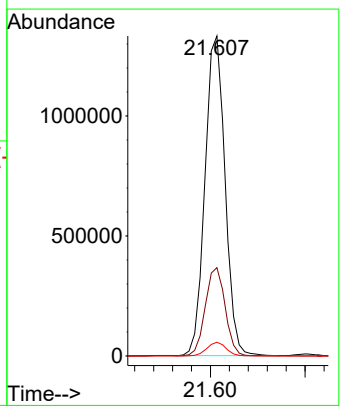
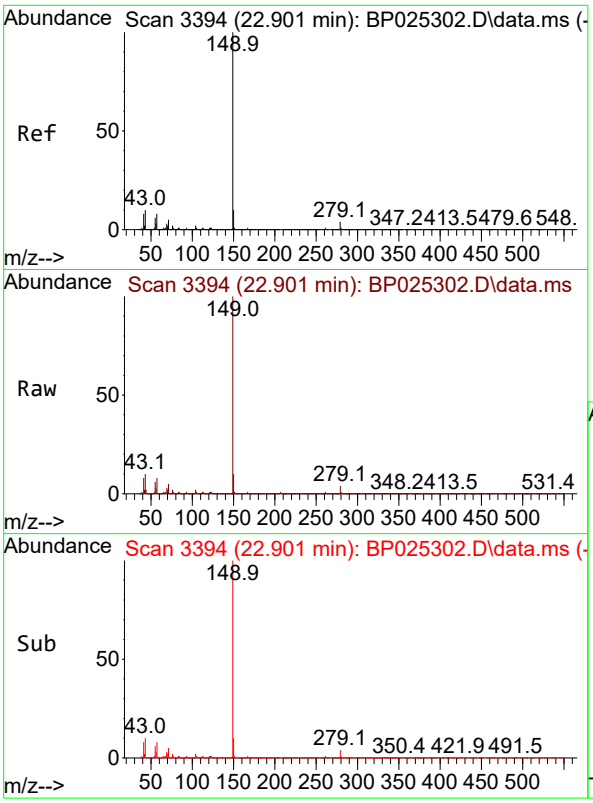


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.420 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1959652

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.3	3.4	5.2

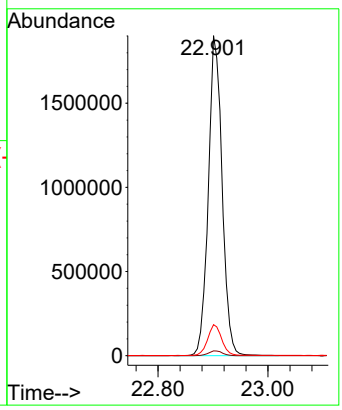




#85
Di-n-octyl phthalate
Concen: 41.675 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 330030

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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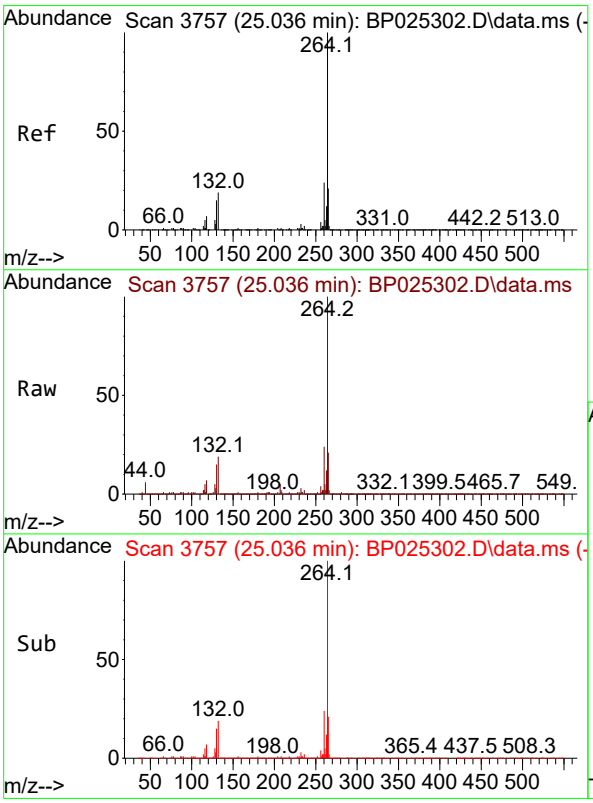
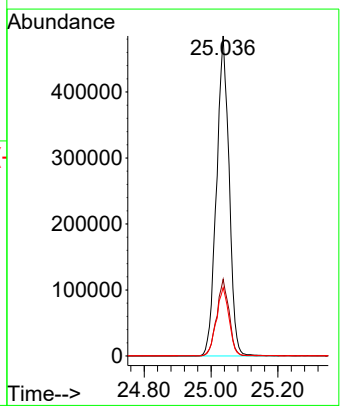
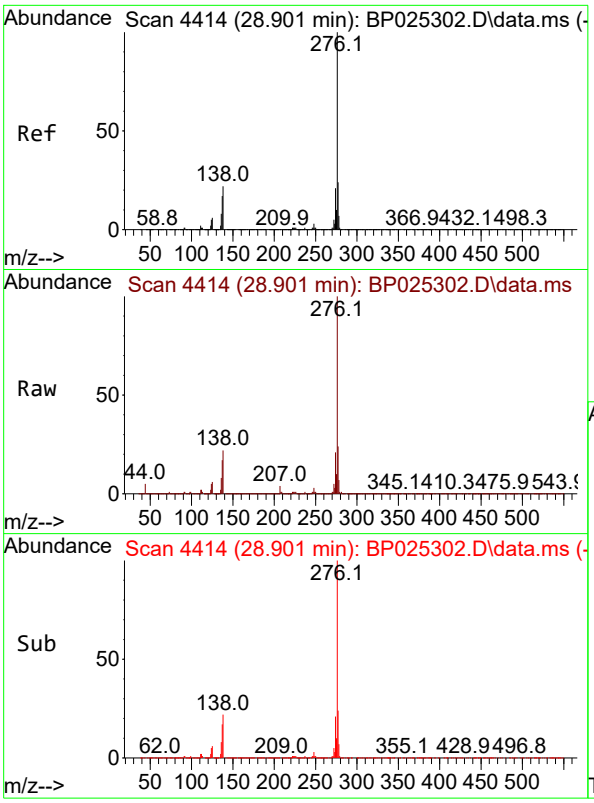


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:264 Resp: 1264736

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.1	25.7

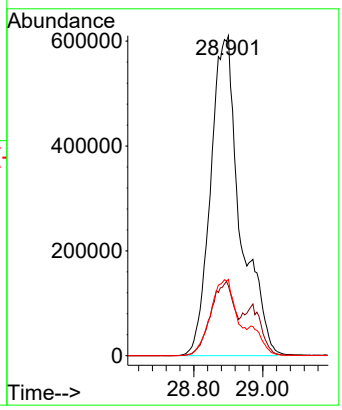




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.200 ng m
RT: 28.901 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:276 Resp: 364965

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.6	22.0
277	21.1	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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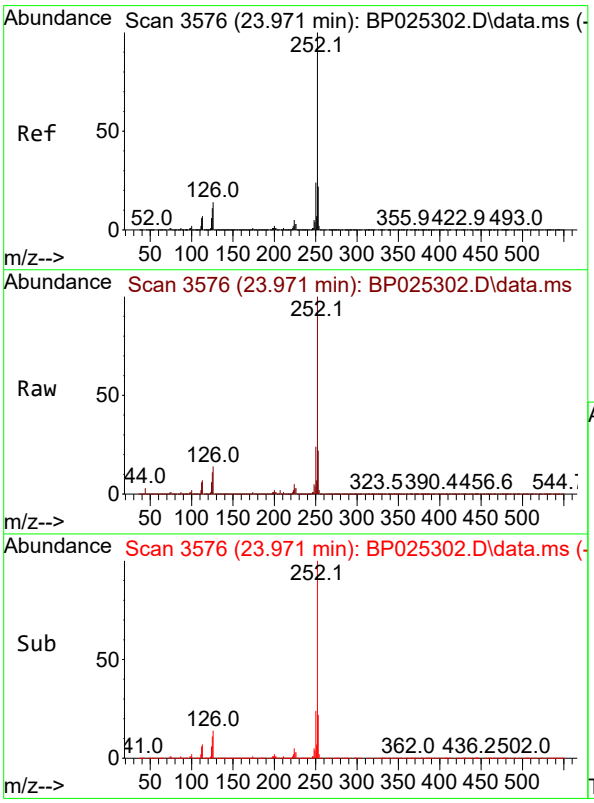
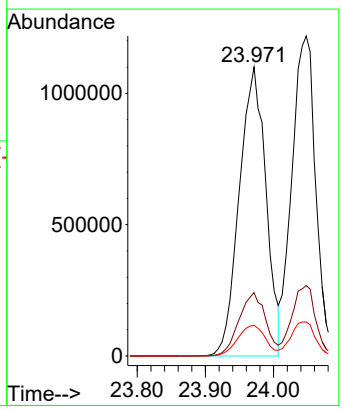
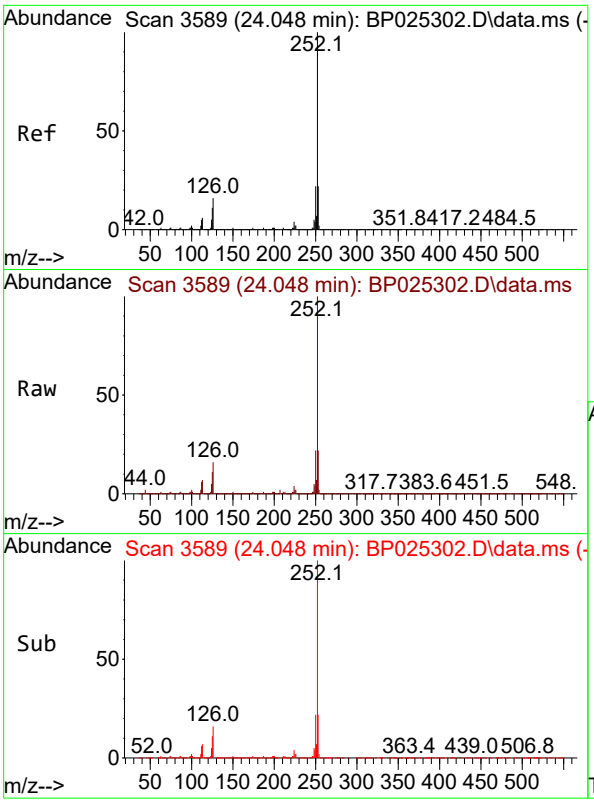


#88
Benzo(b)fluoranthene
Concen: 39.375 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2981039

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.6	8.5	12.7

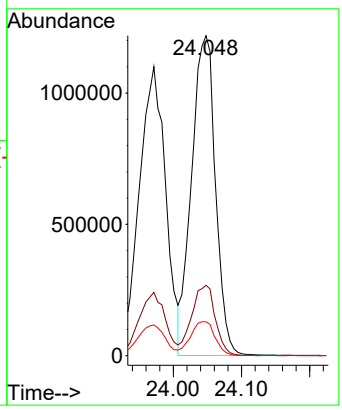




#89
Benzo(k)fluoranthene
Concen: 39.456 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 296124

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.6	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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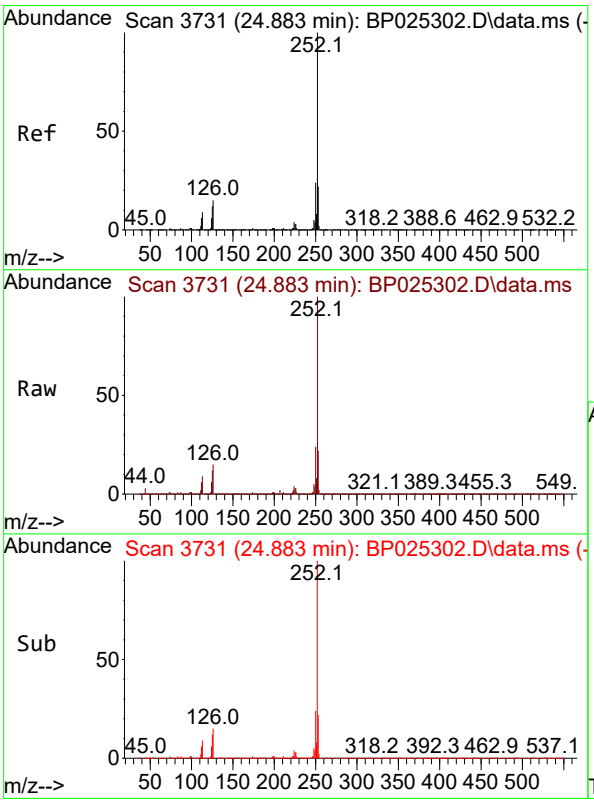
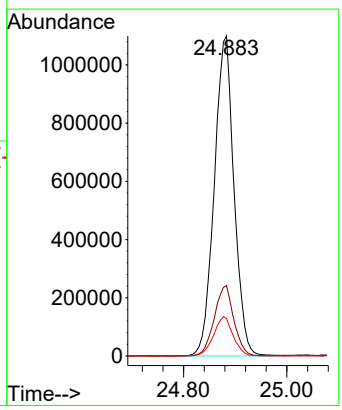
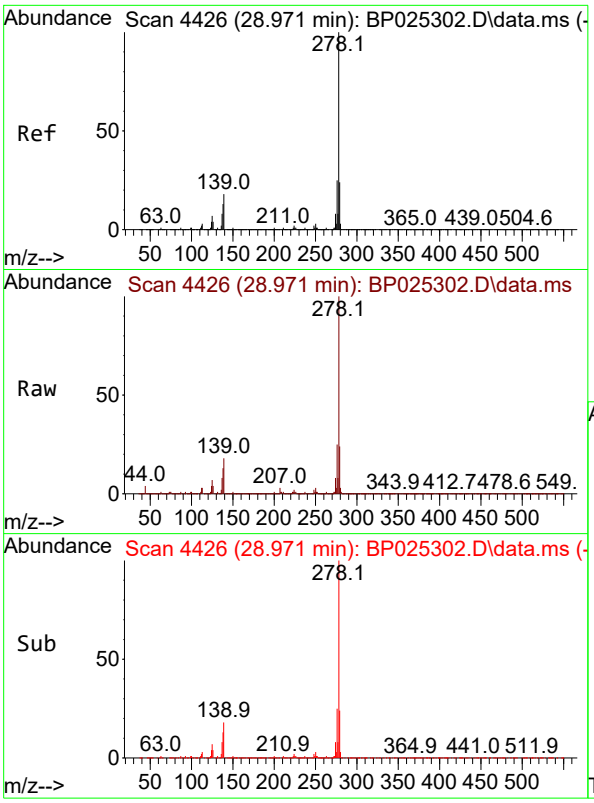


#90
Benzo(a)pyrene
Concen: 39.938 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2911834

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.7	9.4	14.0

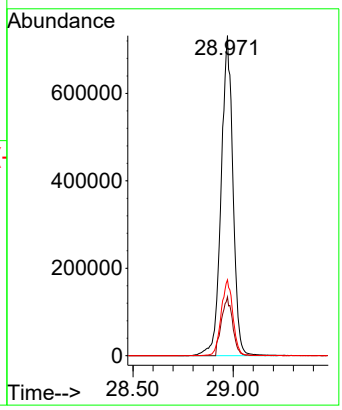




#91
Dibenzo(a,h)anthracene
Concen: 40.383 ng
RT: 28.971 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:278 Resp: 299815

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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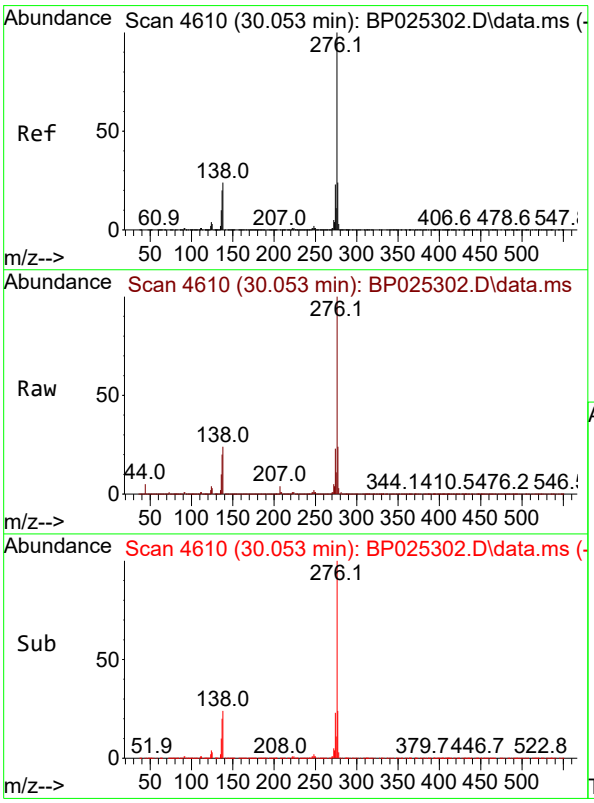
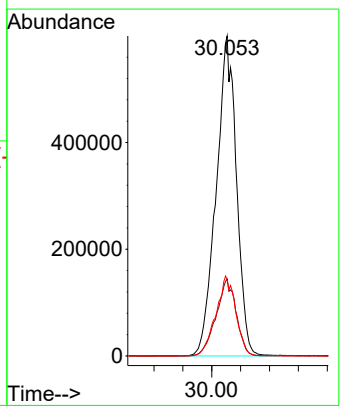


#92
Benzo(g,h,i)perylene
Concen: 40.025 ng
RT: 30.053 min Scan# 4610
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:276 Resp: 2917156

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	23.9	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	204129	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	895271	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	571612	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1114369	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1066090	20.000	ng	0.00
86) Perylene-d12	25.048	264	1155535	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1323492	103.607	ng	0.00
7) Phenol-d6	6.966	99	1770084	105.044	ng	0.00
23) Nitrobenzene-d5	8.937	82	1820226	110.005	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	654420	110.884	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	4184125	101.643	ng	0.00
79) Terphenyl-d14	19.948	244	5765552	102.169	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	252837	50.482	ng	99
3) Pyridine	3.725	79	717966	51.596	ng	99
4) n-Nitrosodimethylamine	3.637	42	337100	52.181	ng	97
6) Aniline	7.137	93	1217200	53.084	ng	99
8) 2-Chlorophenol	7.372	128	740540	53.306	ng	99
9) Benzaldehyde	6.949	77	719072	60.611	ng	98
10) Phenol	6.990	94	940803	52.642	ng	99
11) bis(2-Chloroethyl)ether	7.231	93	734824	52.476	ng	99
12) 1,3-Dichlorobenzene	7.696	146	803898	51.499	ng	100
13) 1,4-Dichlorobenzene	7.837	146	817189	51.745	ng	99
14) 1,2-Dichlorobenzene	8.155	146	791692	51.749	ng	99
15) Benzyl Alcohol	8.031	79	693643	53.573	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.325	45	1148882	51.937	ng	100
17) 2-Methylphenol	8.225	107	639575	53.483	ng	99
18) Hexachloroethane	8.878	117	291706	51.649	ng	97
19) n-Nitroso-di-n-propyla...	8.596	70	584940	53.300	ng	99
20) 3+4-Methylphenols	8.549	107	873995	53.075	ng	98
22) Acetophenone	8.607	105	1157990	51.524	ng	99
24) Nitrobenzene	8.978	77	835622	54.626	ng	100
25) Isophorone	9.507	82	1699294	52.827	ng	100
26) 2-Nitrophenol	9.684	139	334267	49.999	ng	99
27) 2,4-Dimethylphenol	9.749	122	764549	51.553	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	1023578	52.308	ng	99
29) 2,4-Dichlorophenol	10.213	162	710356	54.711	ng	98
30) 1,2,4-Trichlorobenzene	10.437	180	747003	52.150	ng	99
31) Naphthalene	10.619	128	2404950	51.746	ng	100
32) Benzoic acid	9.872	122	427207	49.747	ng	96
33) 4-Chloroaniline	10.719	127	1108429	53.624	ng	100
34) Hexachlorobutadiene	10.919	225	420532	51.144	ng	97
35) Caprolactam	11.490	113	273974	54.273	ng	97
36) 4-Chloro-3-methylphenol	11.837	107	822806	54.768	ng	99
37) 2-Methylnaphthalene	12.231	142	1569525	52.175	ng	100
38) 1-Methylnaphthalene	12.454	142	1654175	52.701	ng	100
40) 1,2,4,5-Tetrachloroben...	12.601	216	795310	50.962	ng	99
41) Hexachlorocyclopentadiene	12.590	237	511069	53.061	ng	99
43) 2,4,6-Trichlorophenol	12.837	196	565018	56.046	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.901	196	624750	55.243	ng		98
46)	1,1'-Biphenyl	13.248	154	2167632	51.457	ng		99
47)	2-Chloronaphthalene	13.284	162	1656657	51.548	ng		100
48)	2-Nitroaniline	13.478	65	491730	51.971	ng		96
49)	Acenaphthylene	14.137	152	2816363	52.537	ng		99
50)	Dimethylphthalate	13.878	163	2189488	52.544	ng		100
51)	2,6-Dinitrotoluene	13.978	165	440590	57.323	ng		97
52)	Acenaphthene	14.484	154	1716317	52.489	ng		99
53)	3-Nitroaniline	14.313	138	517027	57.487	ng		96
54)	2,4-Dinitrophenol	14.513	184	167500	50.836	ng	#	52
55)	Dibenzofuran	14.819	168	2518183	51.534	ng		99
56)	4-Nitrophenol	14.613	139	439677	55.392	ng		98
57)	2,4-Dinitrotoluene	14.772	165	615851	51.438	ng		96
58)	Fluorene	15.484	166	1943035	50.628	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.048	232	522825	55.019	ng		99
60)	Diethylphthalate	15.266	149	2184026	51.987	ng		99
61)	4-Chlorophenyl-phenyle...	15.484	204	918129	50.462	ng		97
62)	4-Nitroaniline	15.489	138	497394	55.814	ng		99
63)	Azobenzene	15.778	77	2000064	51.248	ng		99
65)	4,6-Dinitro-2-methylph...	15.548	198	259581	51.256	ng		98
66)	n-Nitrosodiphenylamine	15.701	169	1776048	52.344	ng		100
67)	4-Bromophenyl-phenylether	16.395	248	589000	52.531	ng		99
68)	Hexachlorobenzene	16.507	284	650421	51.698	ng		96
69)	Atrazine	16.672	200	642206	53.820	ng		98
70)	Pentachlorophenol	16.854	266	448973	56.013	ng		99
71)	Phenanthrene	17.260	178	3152482	51.650	ng		99
72)	Anthracene	17.360	178	3207824	52.124	ng		100
73)	Carbazole	17.625	167	3066018	51.900	ng		99
74)	Di-n-butylphthalate	18.236	149	3833325	53.637	ng		100
75)	Fluoranthene	19.348	202	3659664	51.795	ng		98
77)	Benzidine	19.536	184	1935364	50.156	ng		100
78)	Pyrene	19.719	202	3748452	52.875	ng		100
80)	Butylbenzylphthalate	20.683	149	1670521	58.102	ng		98
81)	Benzo(a)anthracene	21.636	228	3682901	51.986	ng		100
82)	3,3'-Dichlorobenzidine	21.560	252	1334151	53.376	ng		99
83)	Chrysene	21.713	228	3435648	52.286	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.607	149	2502532	54.510	ng		100
85)	Di-n-octyl phthalate	22.907	149	4113502	53.530	ng		100
87)	Indeno(1,2,3-cd)pyrene	28.889	276	4466507m	53.847	ng		
88)	Benzo(b)fluoranthene	23.971	252	3725745	53.862	ng		99
89)	Benzo(k)fluoranthene	24.042	252	3650347	53.234	ng		99
90)	Benzo(a)pyrene	24.877	252	3549437	53.283	ng		100
91)	Dibenzo(a,h)anthracene	29.000	278	3643604	53.715	ng		99
92)	Benzo(g,h,i)perylene	30.083	276	3590382	53.917	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
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QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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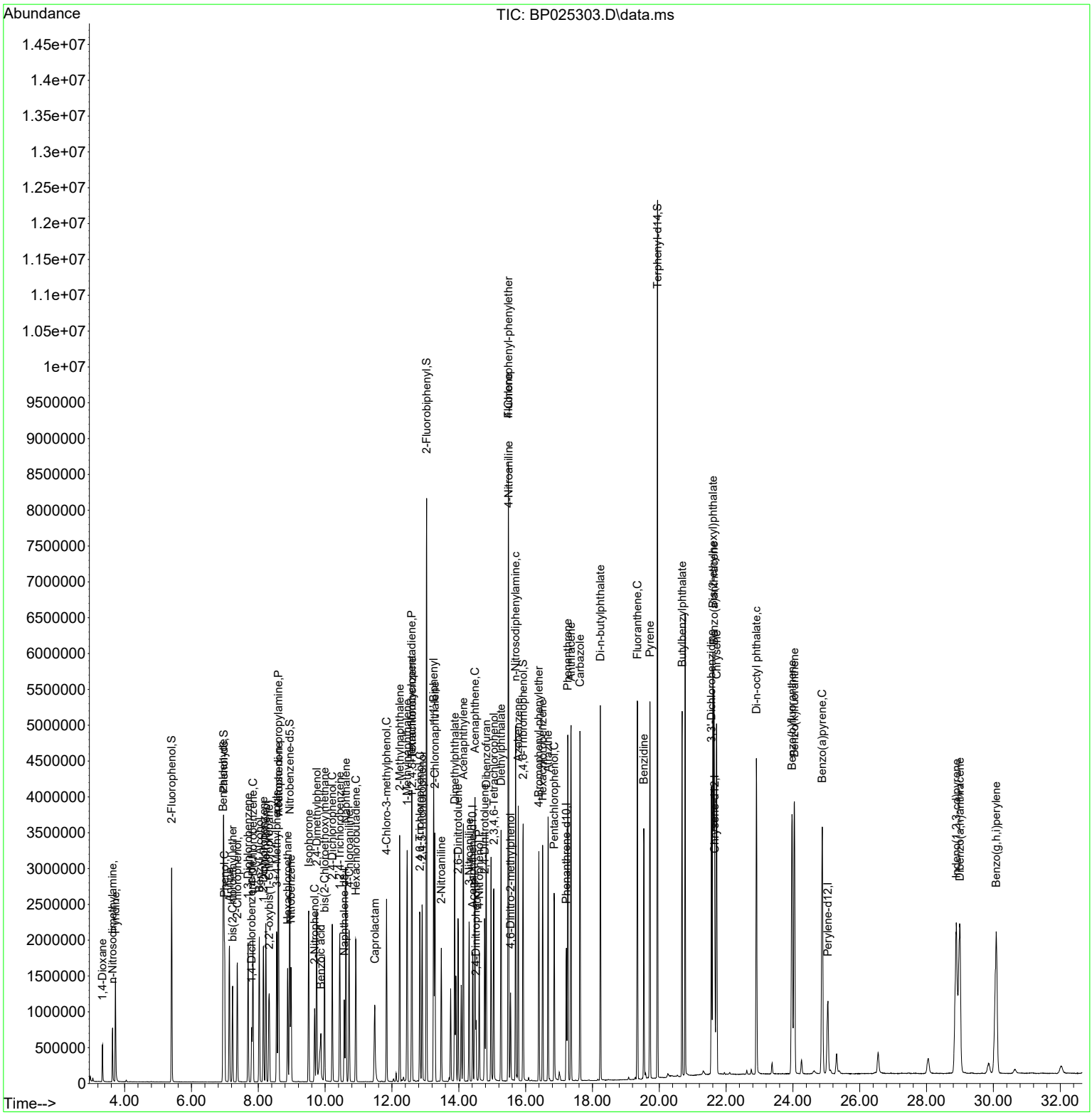
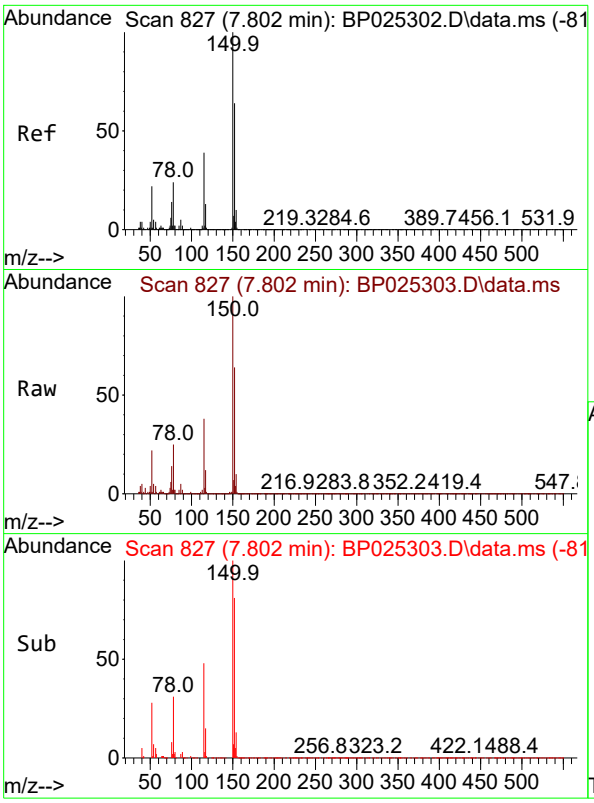
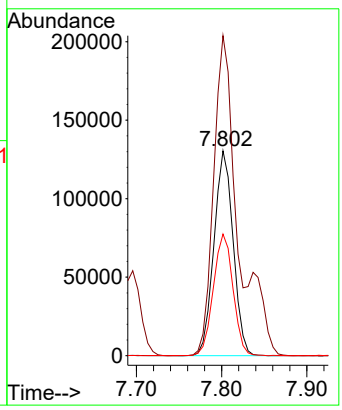




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:152 Resp: 20412

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.1	187.7
115	59.4	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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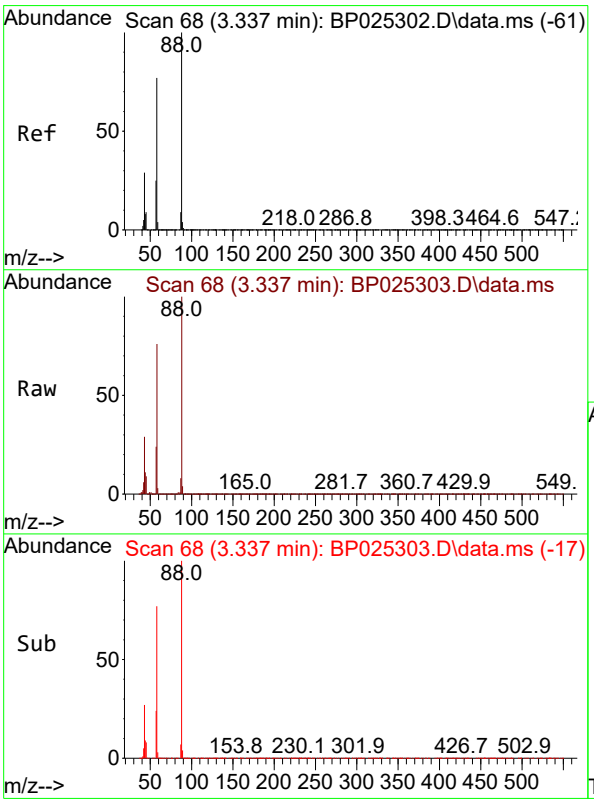
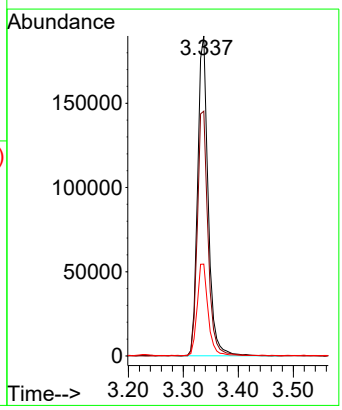
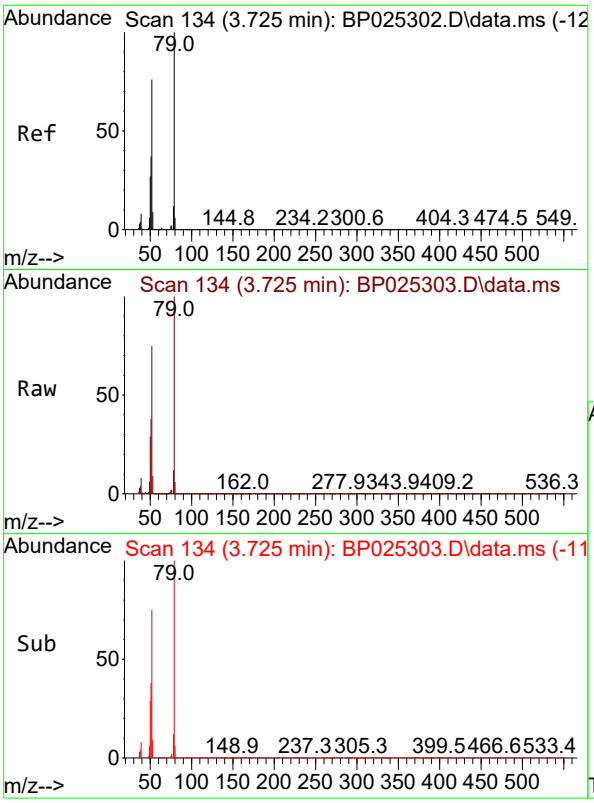


#2
1,4-Dioxane
Concen: 50.482 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 88 Resp: 252837

Ion	Ratio	Lower	Upper
88	100		
58	77.7	61.9	92.9
43	29.6	24.2	36.2

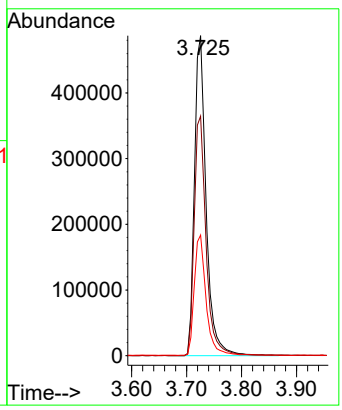




#3
Pyridine
Concen: 51.596 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 79 Resp: 71796

Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.7	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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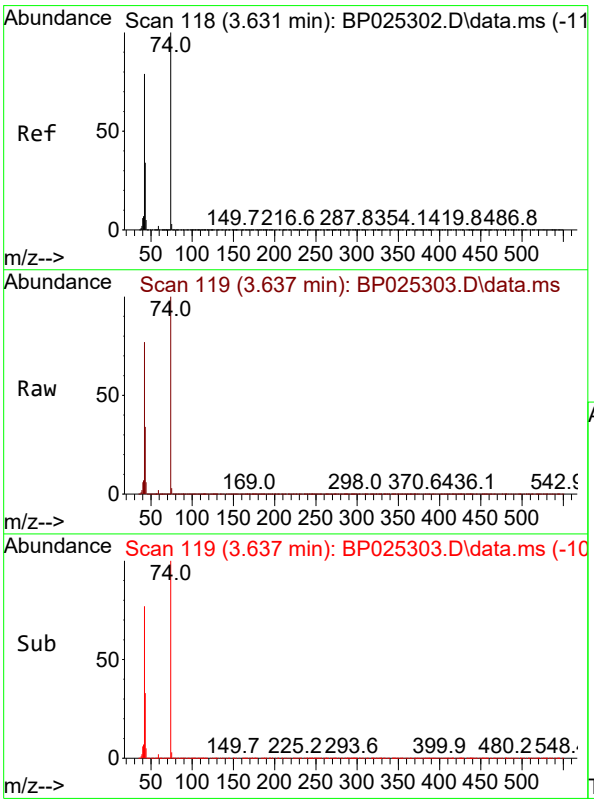
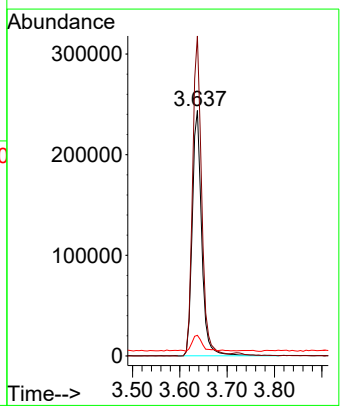
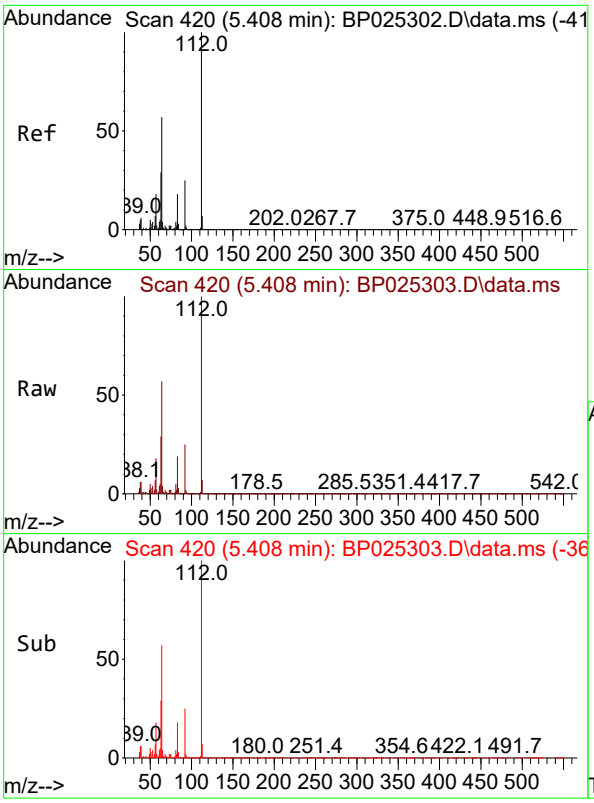


#4
n-Nitrosodimethylamine
Concen: 52.181 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 42 Resp: 337100

Ion	Ratio	Lower	Upper
42	100		
74	130.4	101.4	152.2
44	8.4	7.6	11.4

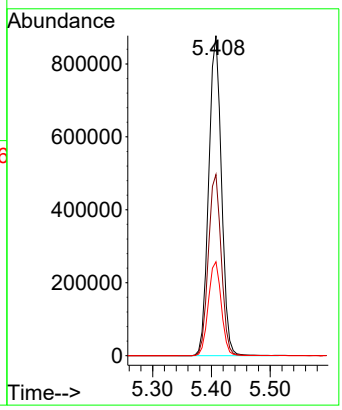




#5
2-Fluorophenol
Concen: 103.607 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:112 Resp: 132349

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	29.3	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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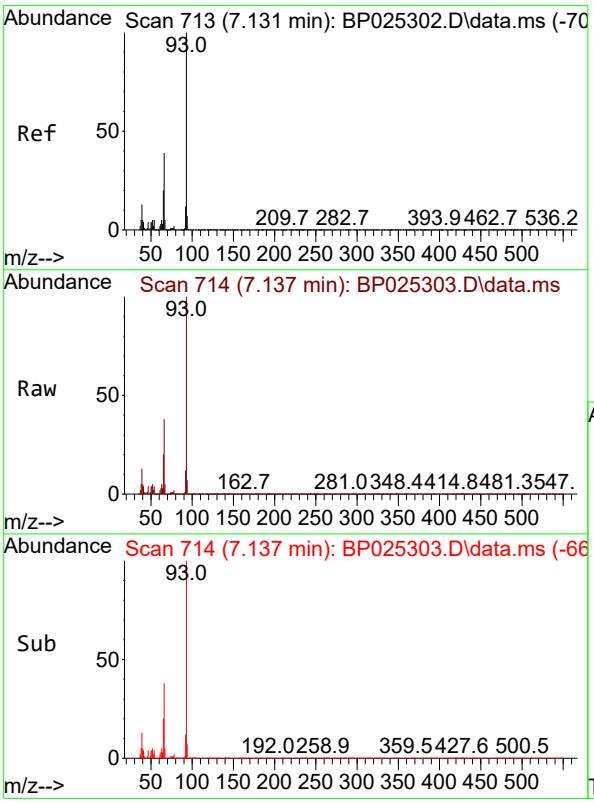
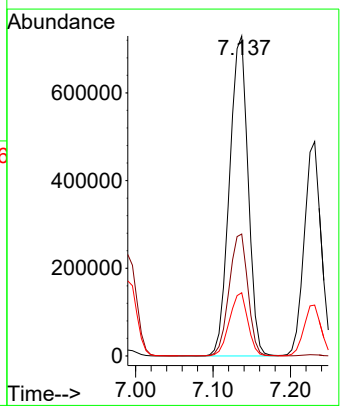
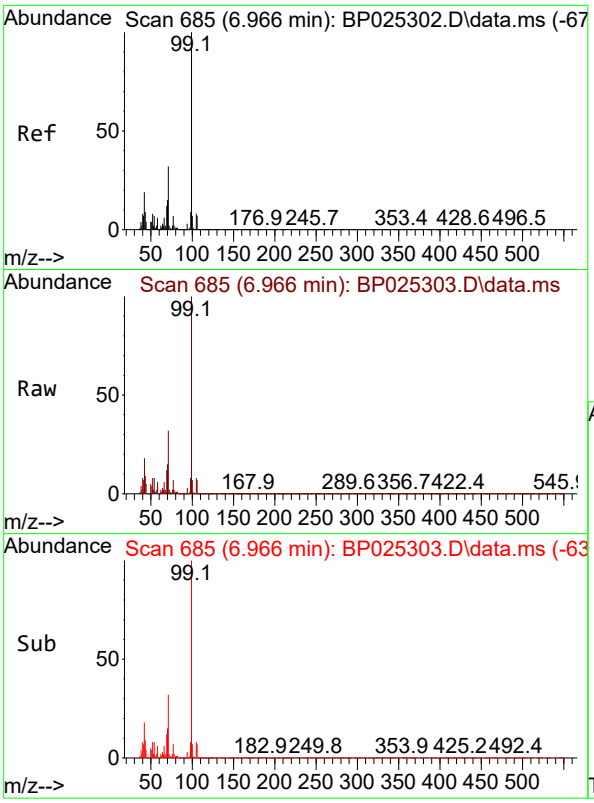


#6
Aniline
Concen: 53.084 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1217200

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.1	46.7
65	19.8	15.8	23.8

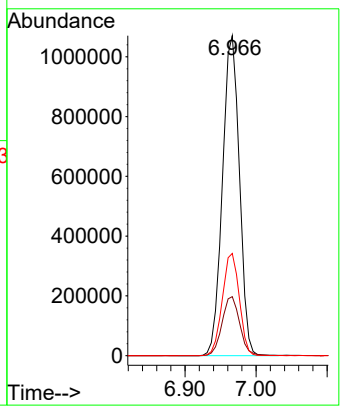




#7
Phenol-d6
Concen: 105.044 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 99 Resp: 177008

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.6
71	32.0	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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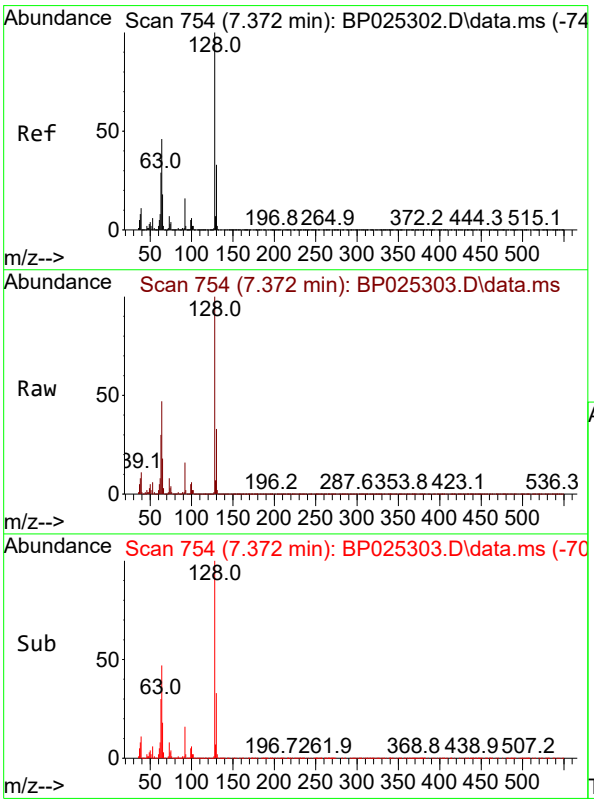
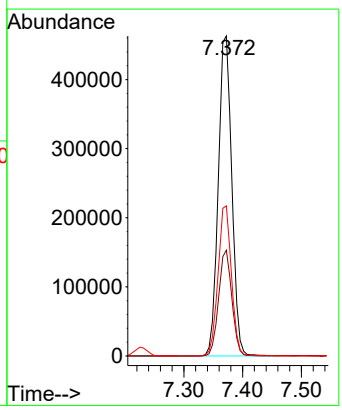
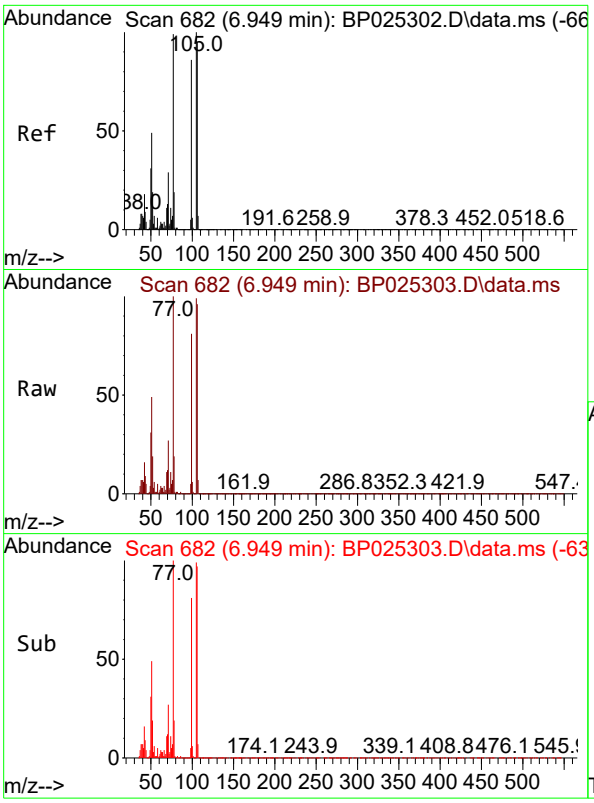


#8
2-Chlorophenol
Concen: 53.306 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:128 Resp: 740540

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	46.9	26.1	66.1

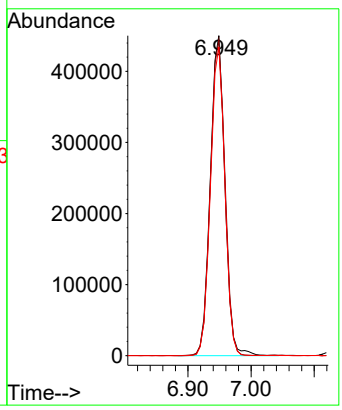




#9
Benzaldehyde
Concen: 60.611 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 71907

Ion	Ratio	Lower	Upper
77	100		
105	98.6	81.4	121.4
106	96.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
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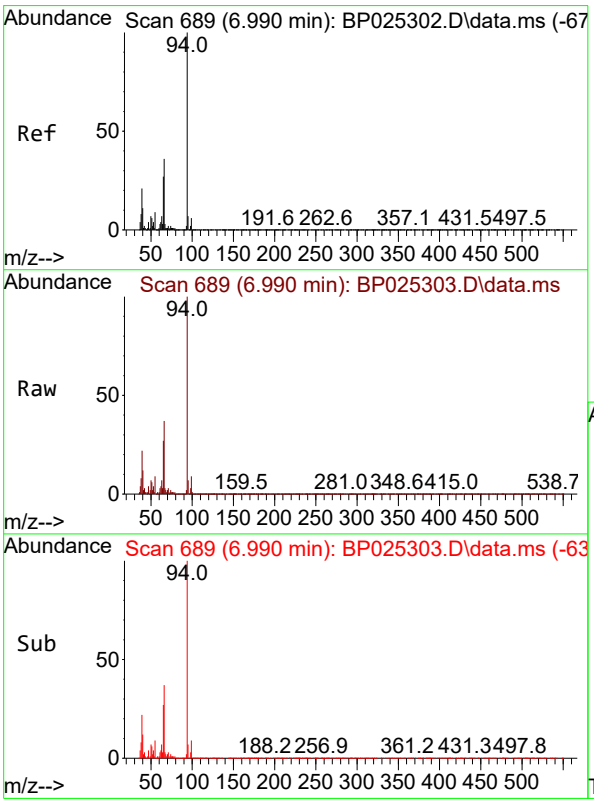
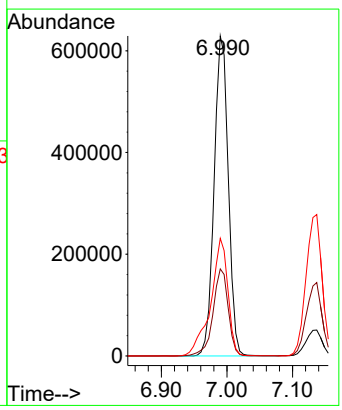
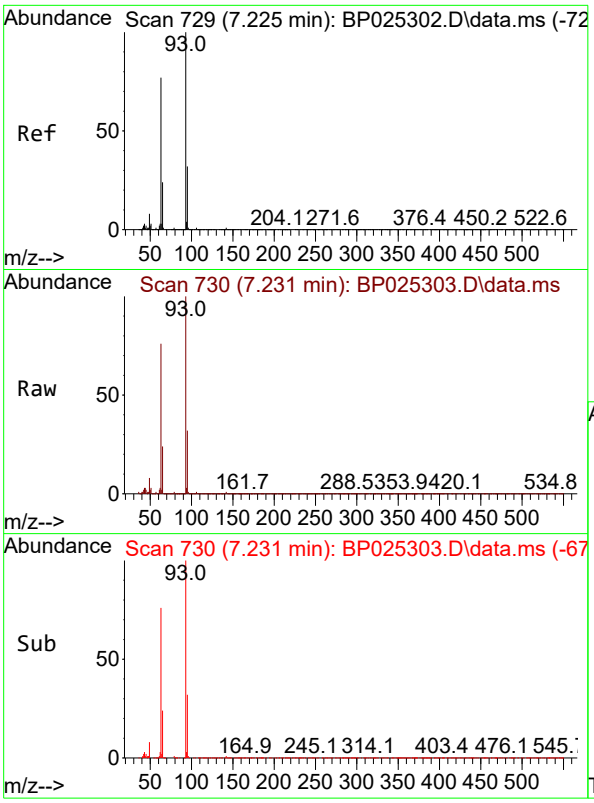


#10
Phenol
Concen: 52.642 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 94 Resp: 940803

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	36.8	15.7	55.7

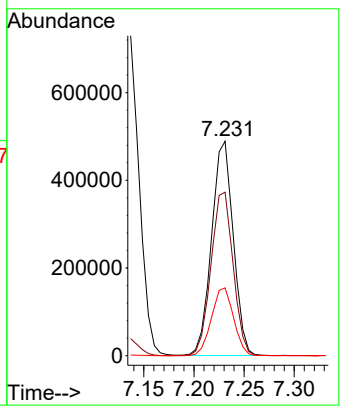




#11
bis(2-Chloroethyl)ether
Concen: 52.476 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 73482

Ion	Ratio	Lower	Upper
93	100		
63	76.2	57.0	97.0
95	31.6	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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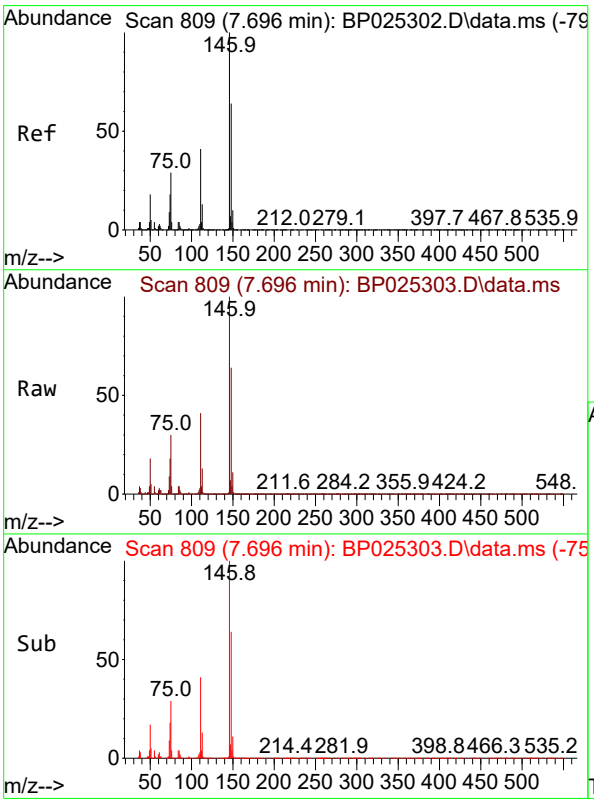
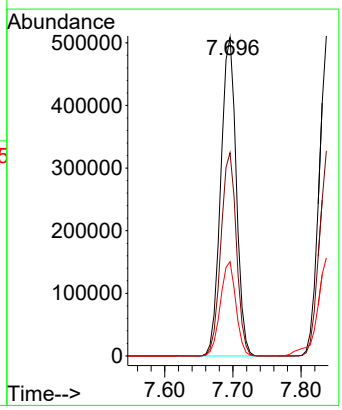
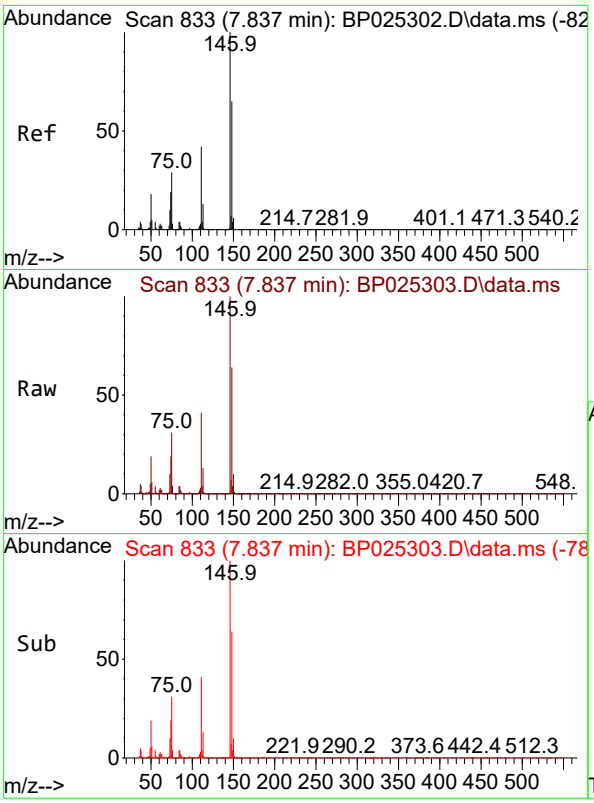


#12
1,3-Dichlorobenzene
Concen: 51.499 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 803898

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
75	29.6	23.2	34.8

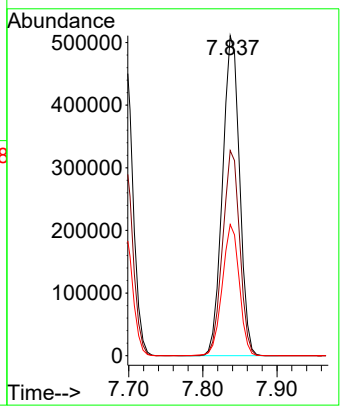




#13
1,4-Dichlorobenzene
Concen: 51.745 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 81718

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.0	78.0
111	41.0	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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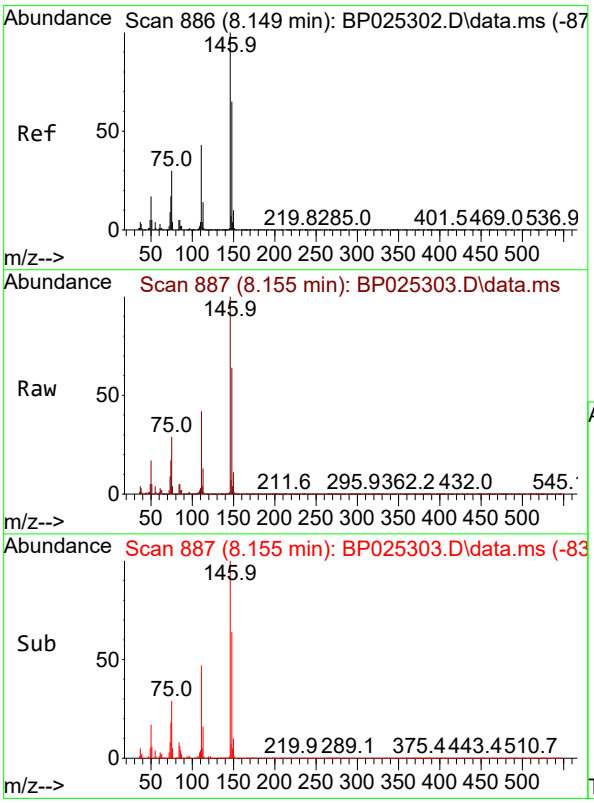
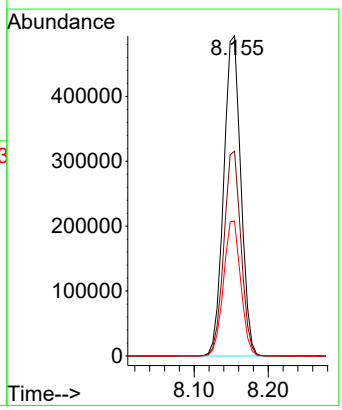
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

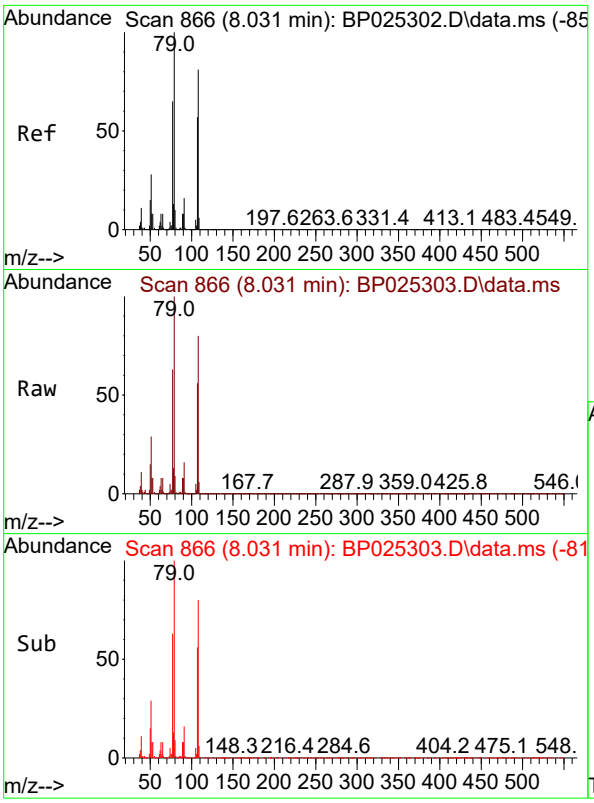


#14
1,2-Dichlorobenzene
Concen: 51.749 ng
RT: 8.155 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 791692

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	42.2	34.4	51.6

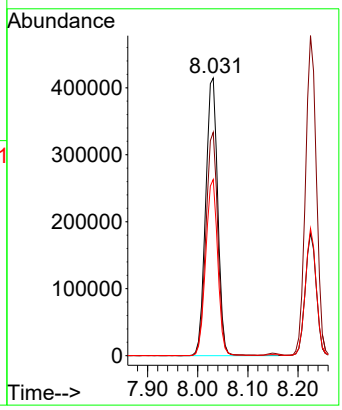




#15
Benzyl Alcohol
Concen: 53.573 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 79 Resp: 69364

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	63.5	51.9	77.9



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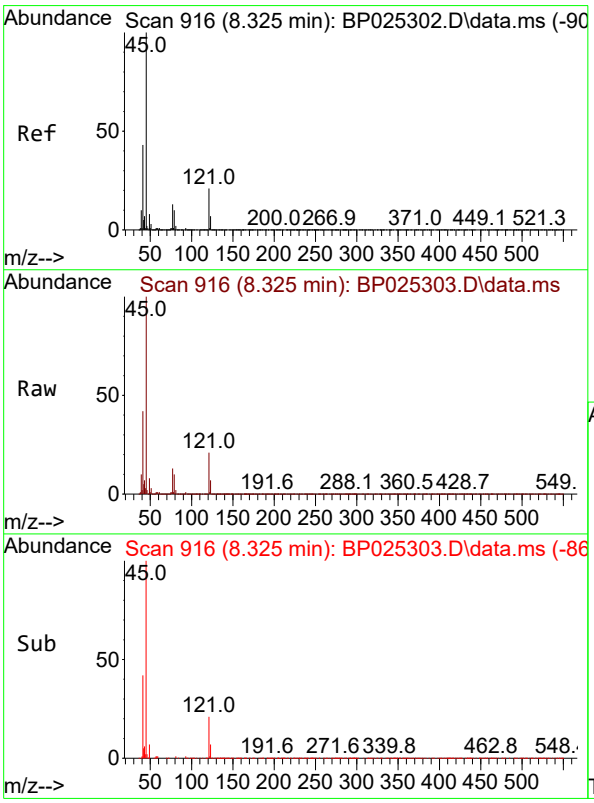
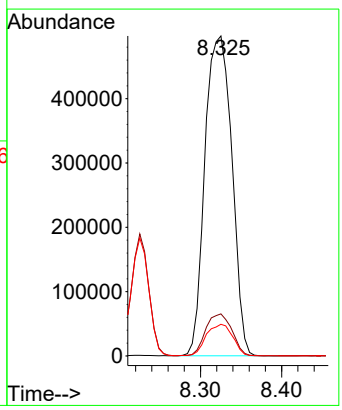
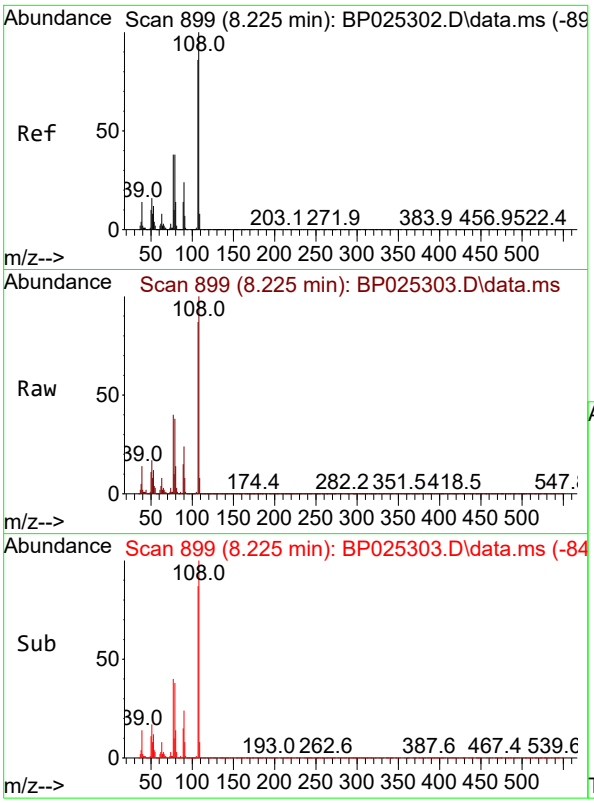


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.937 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 45 Resp: 1148882

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.0
79	9.9	0.0	29.8

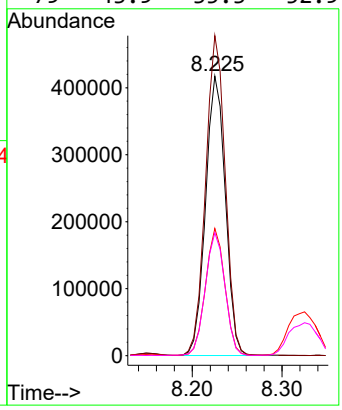




#17
2-Methylphenol
Concen: 53.483 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 63957

Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.6	139.0
77	45.5	35.4	53.2
79	43.9	35.3	52.9



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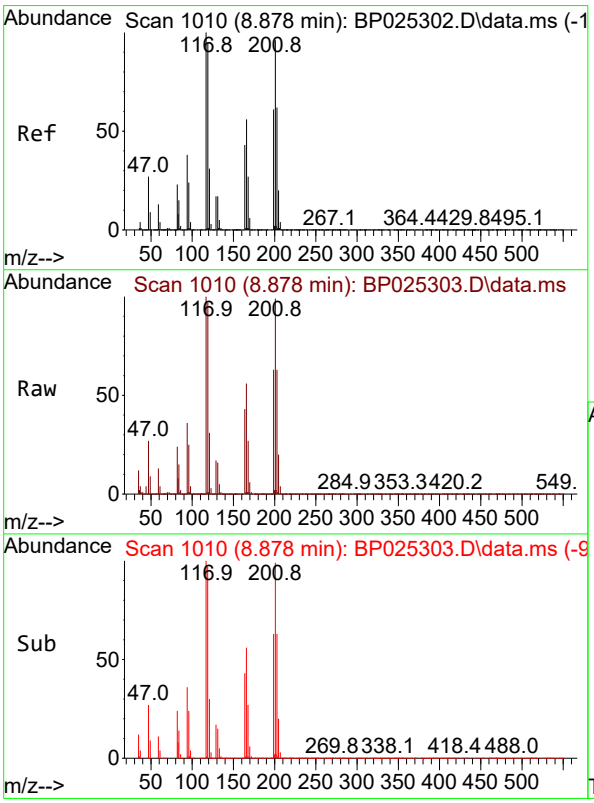
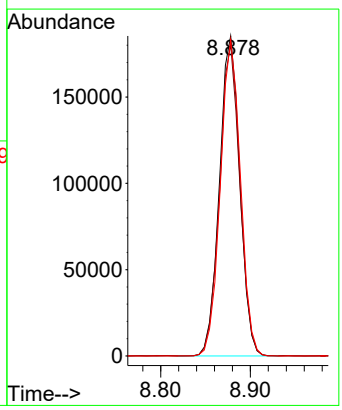
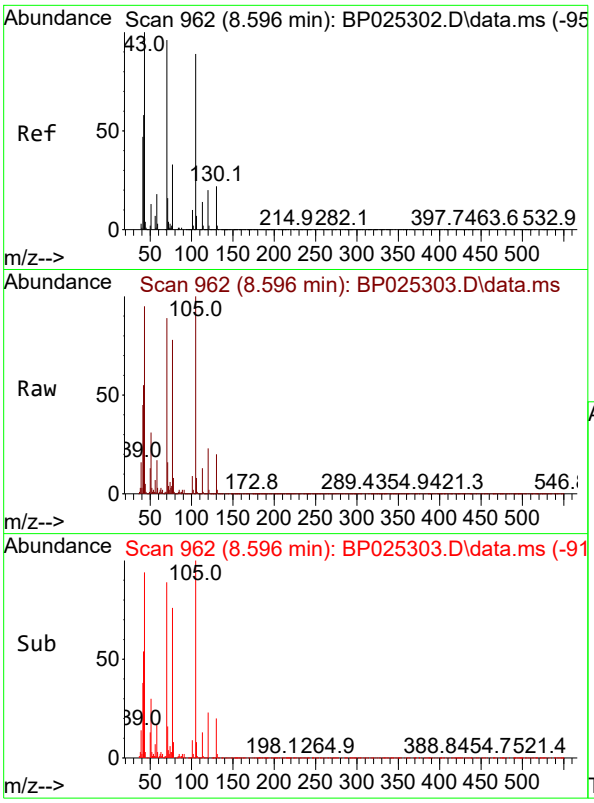


#18
Hexachloroethane
Concen: 51.649 ng
RT: 8.878 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:117 Resp: 291706

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
201	98.9	76.6	114.8

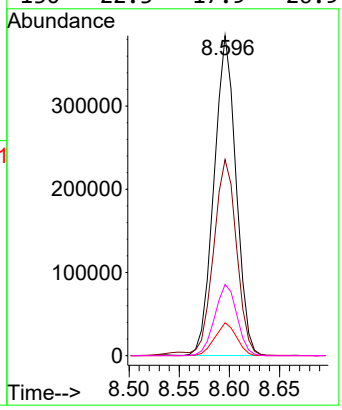




#19
n-Nitroso-di-n-propylamine
Concen: 53.300 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 70 Resp: 58494

Ion	Ratio	Lower	Upper
70	100		
42	61.3	49.4	74.0
101	10.3	7.9	11.9
130	22.3	17.9	26.9



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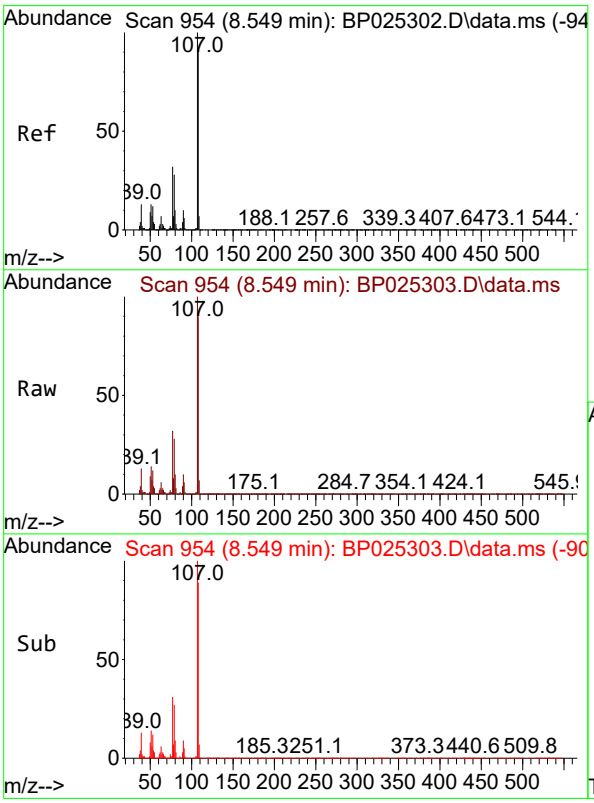
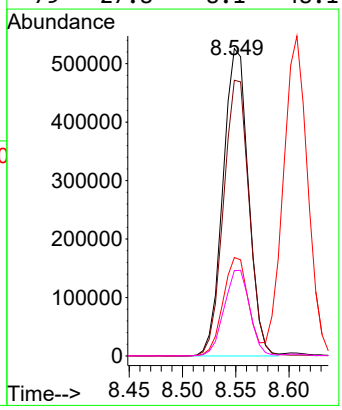
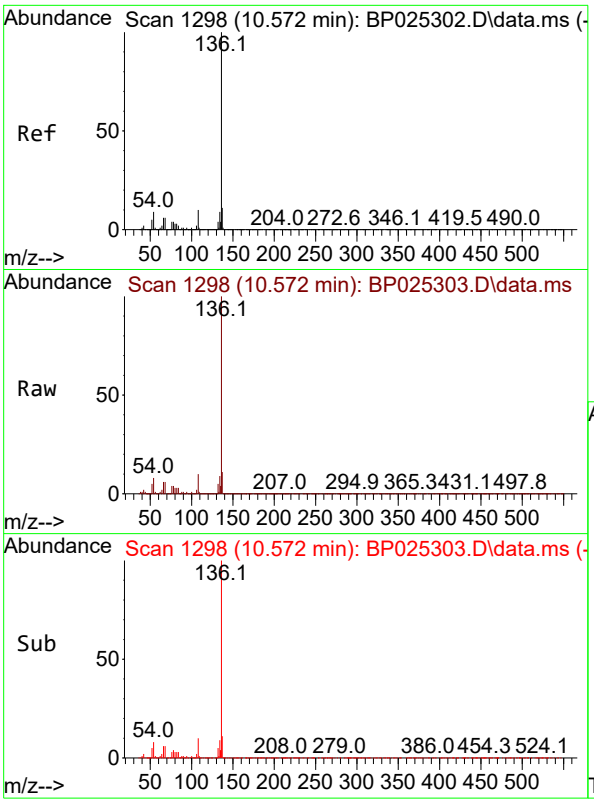


#20
3+4-Methylphenols
Concen: 53.075 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 873995

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.9	111.9
77	32.0	12.0	52.0
79	27.8	8.1	48.1

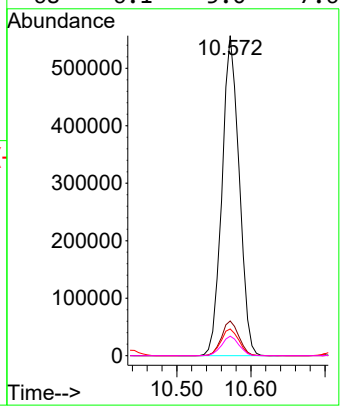




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:136 Resp: 89527

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	7.0	10.6
68	6.1	5.0	7.6



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ClientSampleId :
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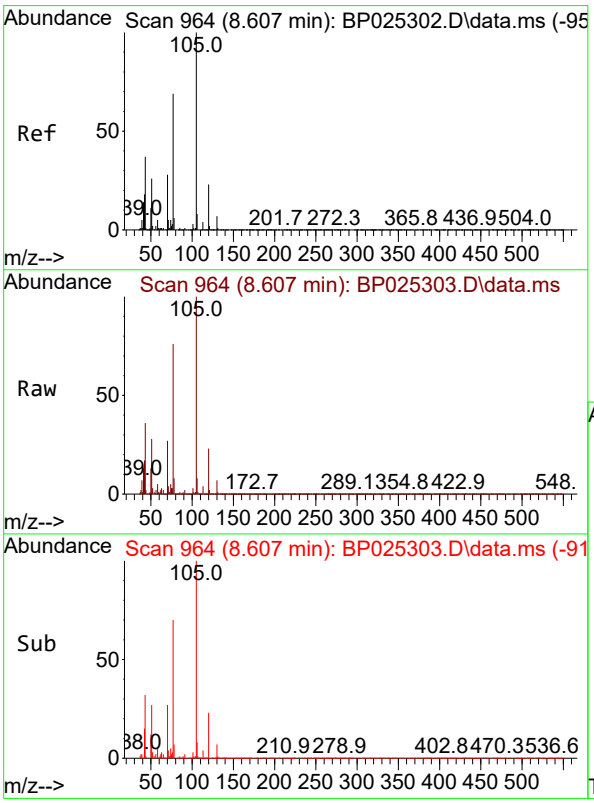
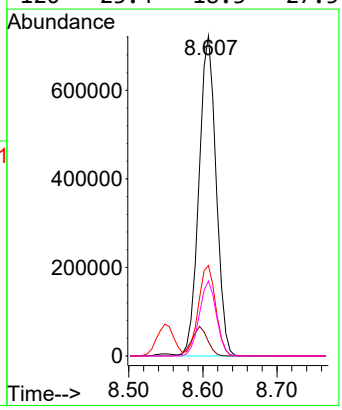
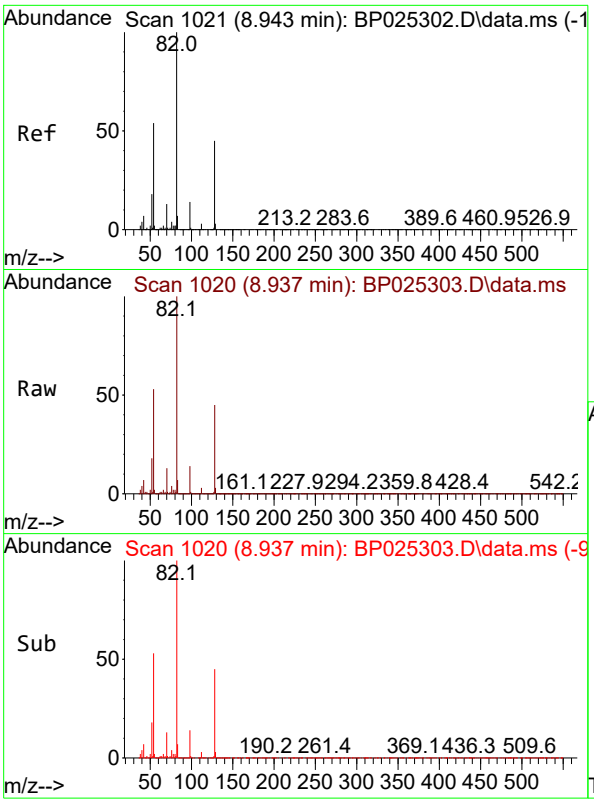


#22
Acetophenone
Concen: 51.524 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:105 Resp: 1157990

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.1	6.1
51	28.2	22.7	34.1
120	23.4	18.3	27.5

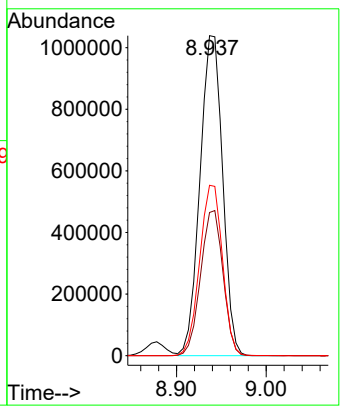




#23
Nitrobenzene-d5
Concen: 110.005 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 82 Resp: 182022

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.4	53.2
54	53.3	42.9	64.3



Instrument :
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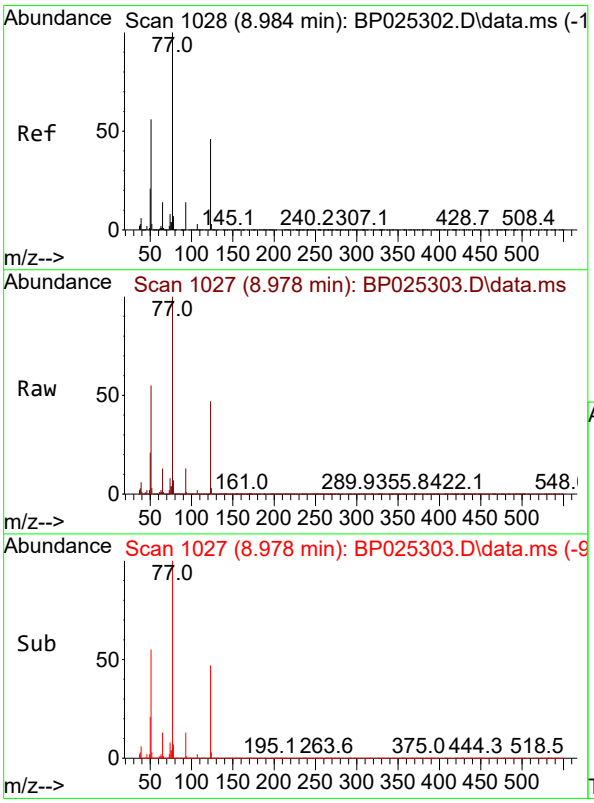
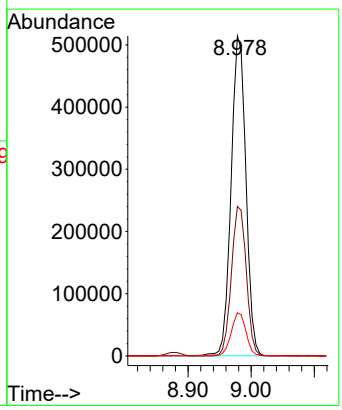
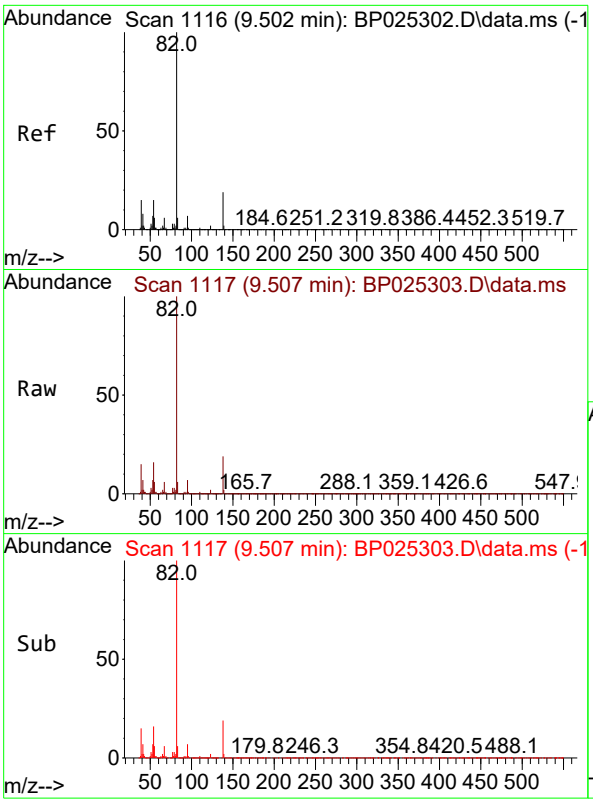


#24
Nitrobenzene
Concen: 54.626 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 835622

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.5	11.1	16.7

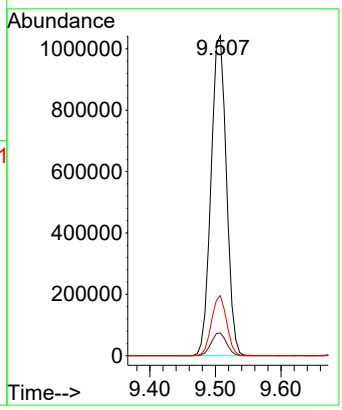




#25
Isophorone
Concen: 52.827 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 82 Resp: 169929

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.7	15.0	22.6



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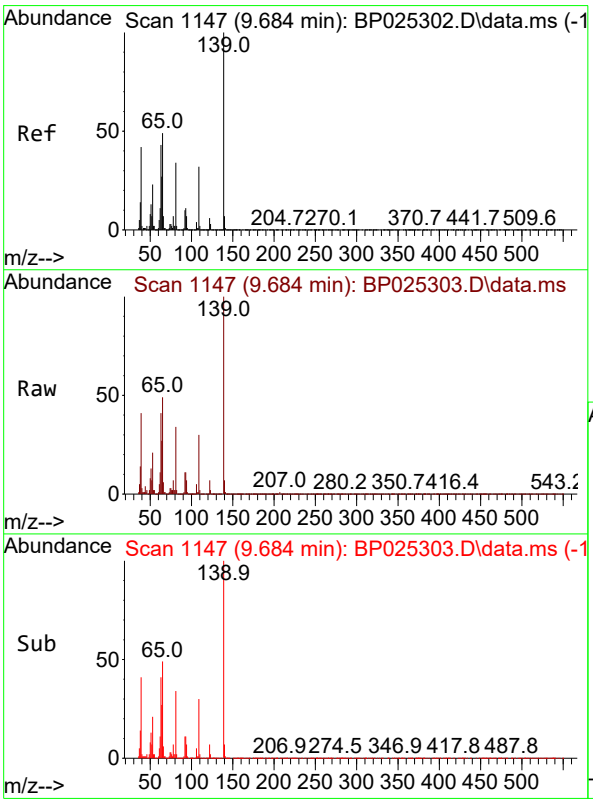
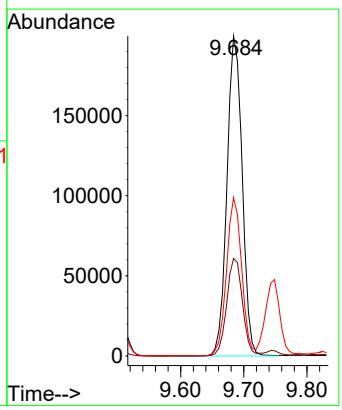
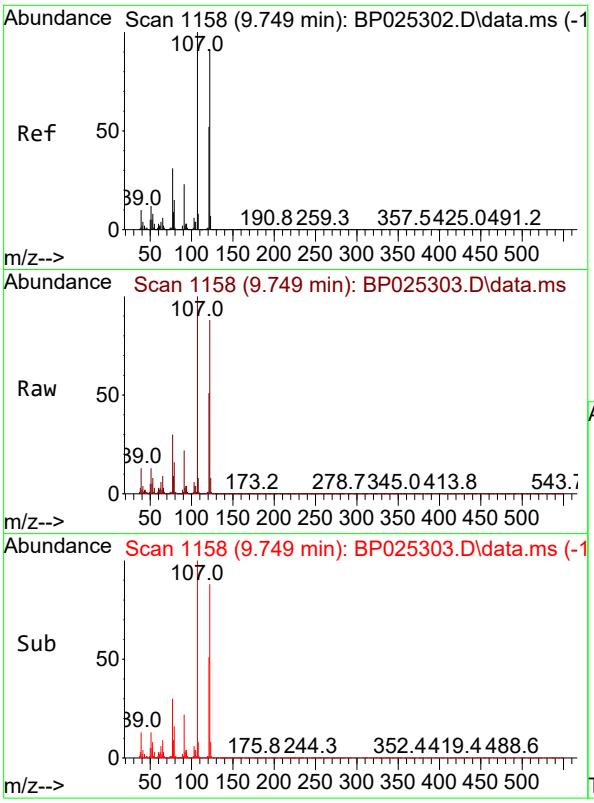


#26
2-Nitrophenol
Concen: 49.999 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 334267

Ion	Ratio	Lower	Upper
139	100		
109	30.5	25.2	37.8
65	49.4	39.6	59.4

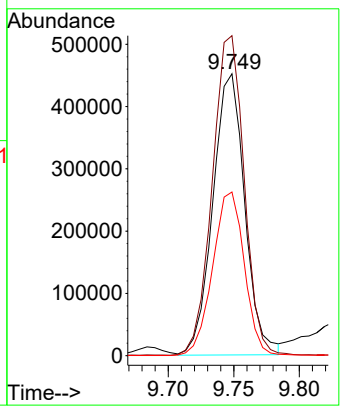




#27
2,4-Dimethylphenol
Concen: 51.553 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:122 Resp: 76454

Ion	Ratio	Lower	Upper
122	100		
107	113.5	87.4	131.0
121	58.1	45.8	68.8



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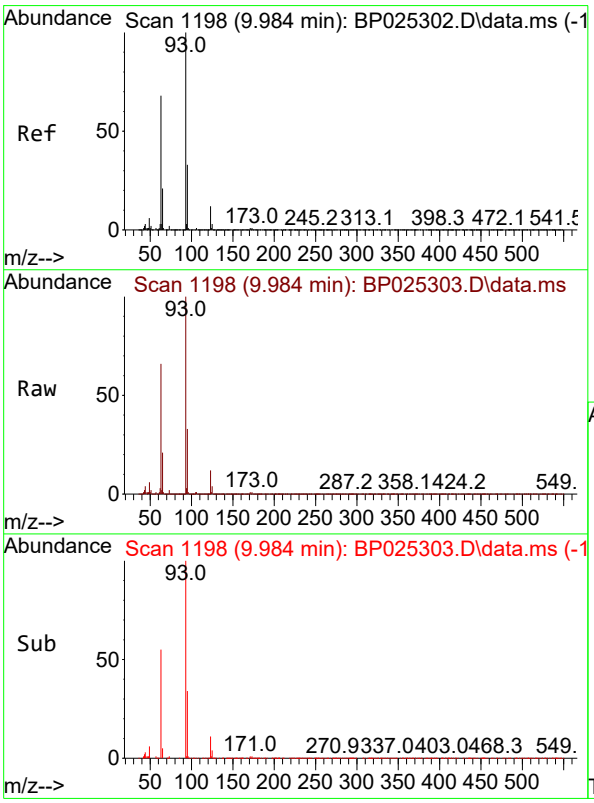
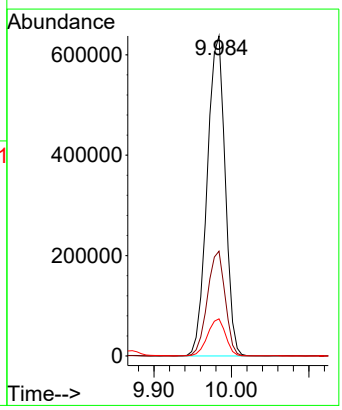
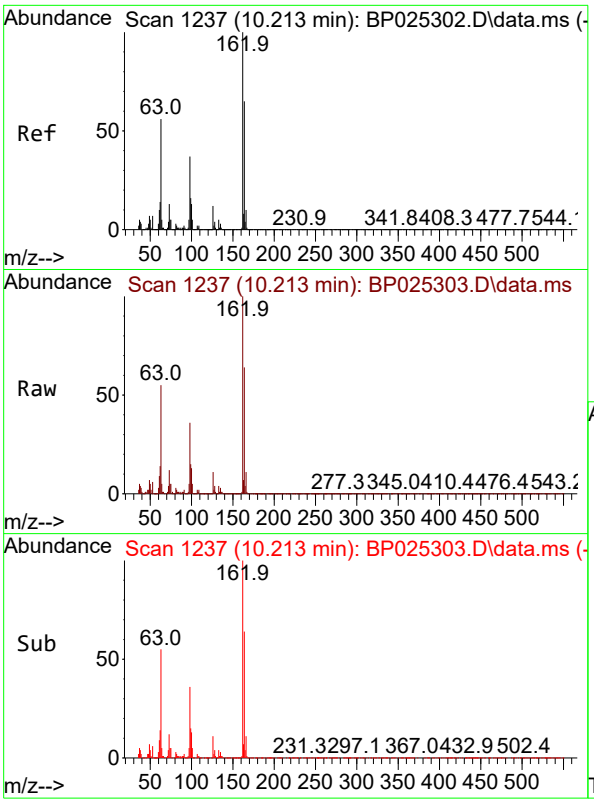


#28
bis(2-Chloroethoxy)methane
Concen: 52.308 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1023578

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	11.6	9.4	14.2

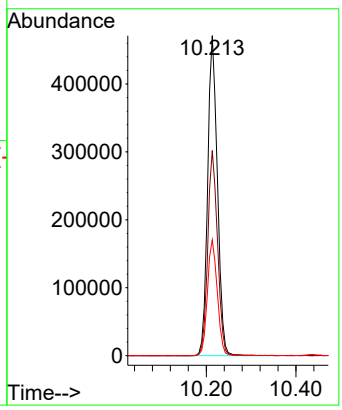




#29
2,4-Dichlorophenol
Concen: 54.711 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:162 Resp: 71035

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.2	85.2
98	36.2	17.5	57.5



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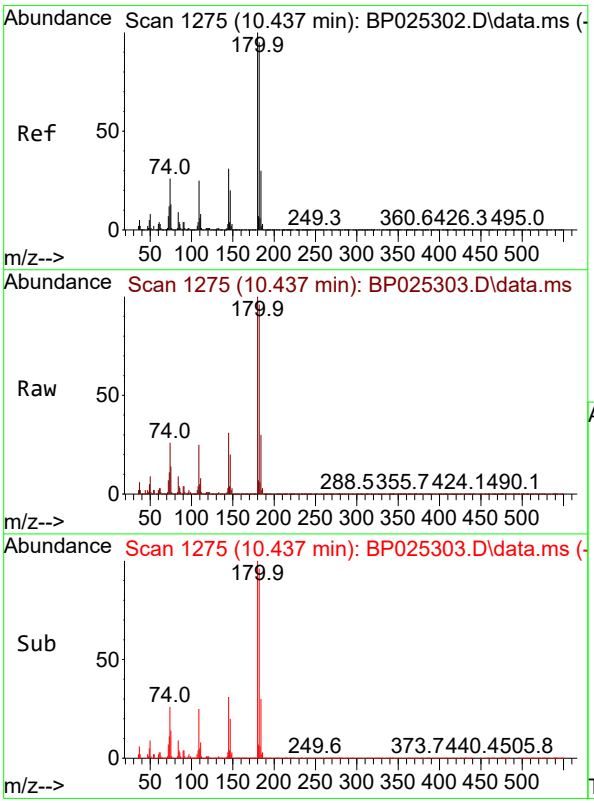
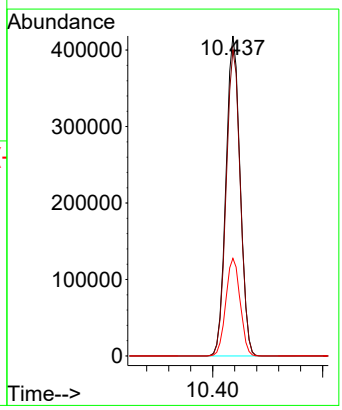
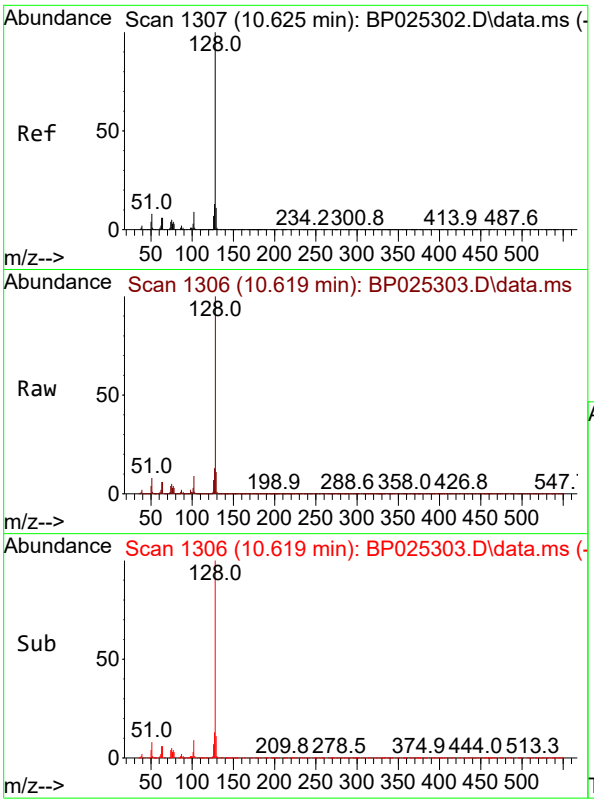


#30
1,2,4-Trichlorobenzene
Concen: 52.150 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:180 Resp: 747003

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	30.5	25.0	37.4

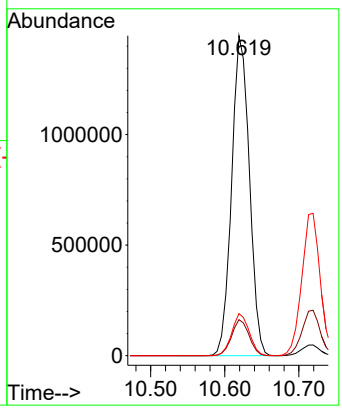




#31
Naphthalene
Concen: 51.746 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:128 Resp: 240495

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.4	15.6



Instrument :
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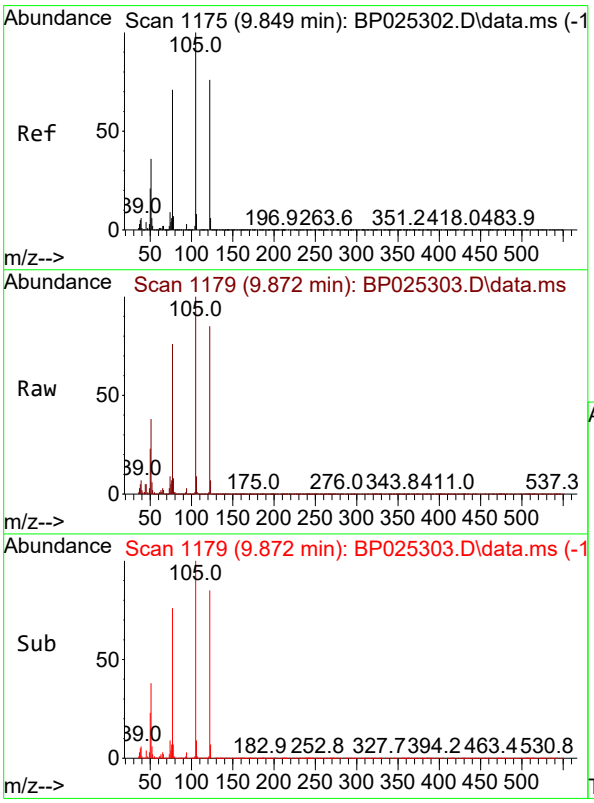
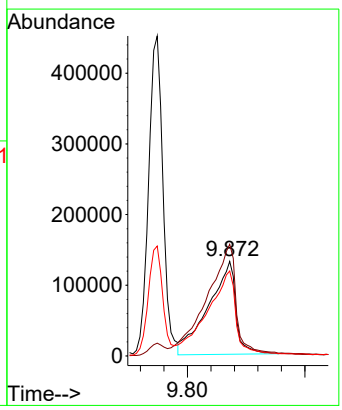
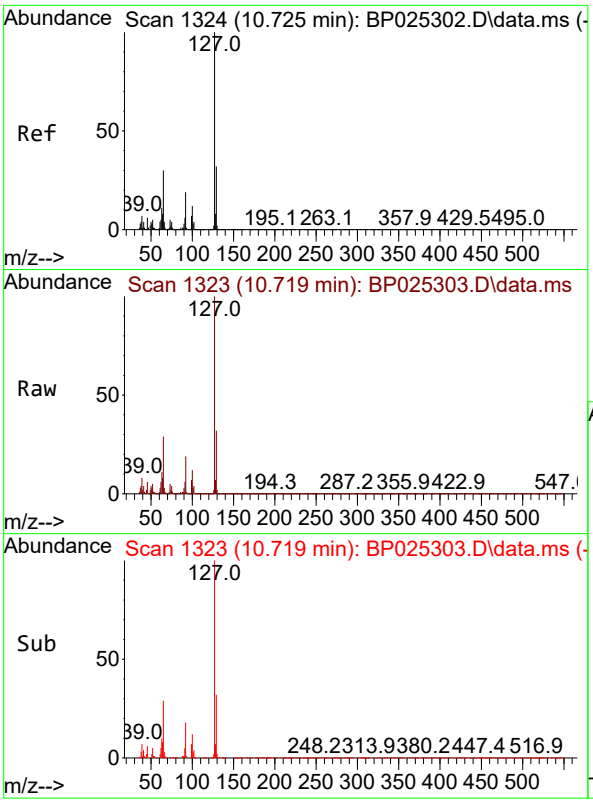


#32
Benzoic acid
Concen: 49.747 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:122 Resp: 427207

Ion	Ratio	Lower	Upper
122	100		
105	118.0	104.0	144.0
77	89.7	71.8	111.8

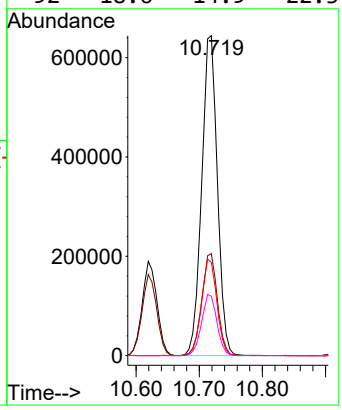




#33
4-Chloroaniline
Concen: 53.624 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:127 Resp: 110842

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.2	23.6	35.4
92	18.6	14.9	22.3



Instrument :
BNA_P
ClientSampleId :
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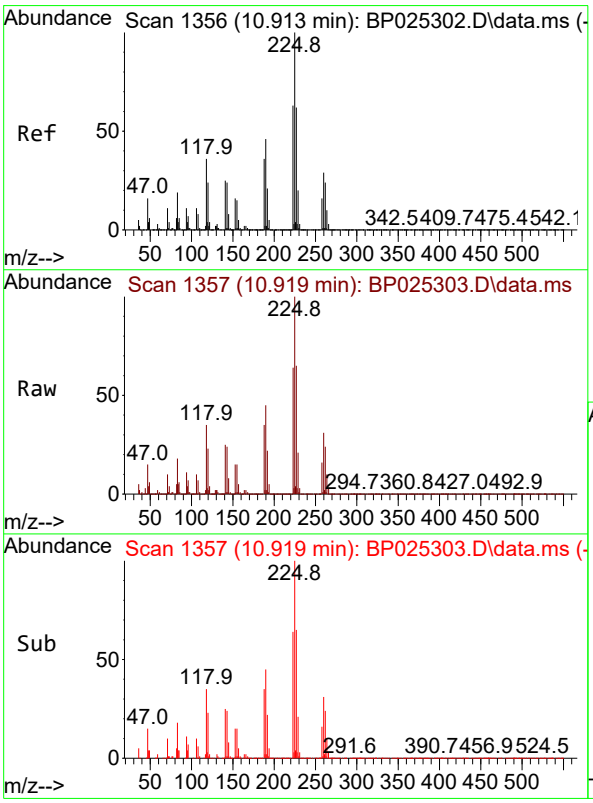
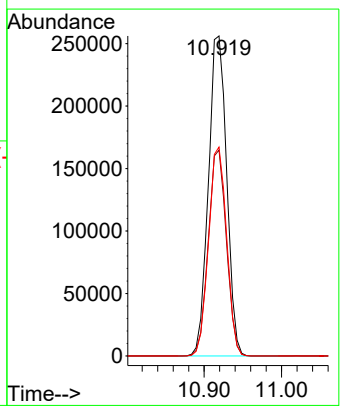
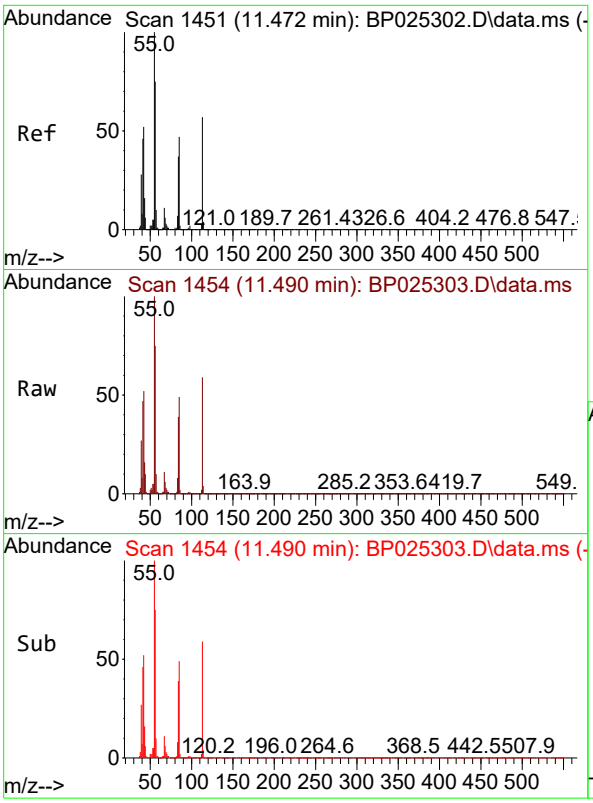


#34
Hexachlorobutadiene
Concen: 51.144 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:225 Resp: 420532

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.3	75.5
227	65.3	49.7	74.5

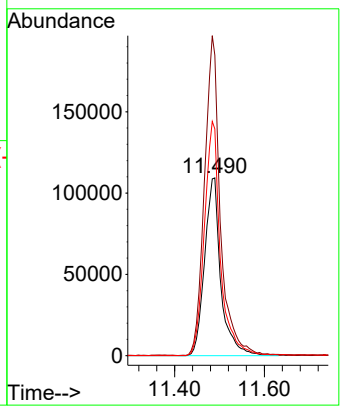




#35
Caprolactam
Concen: 54.273 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:113 Resp: 27397

Ion	Ratio	Lower	Upper
113	100		
55	169.0	154.4	194.4
56	127.5	110.9	150.9



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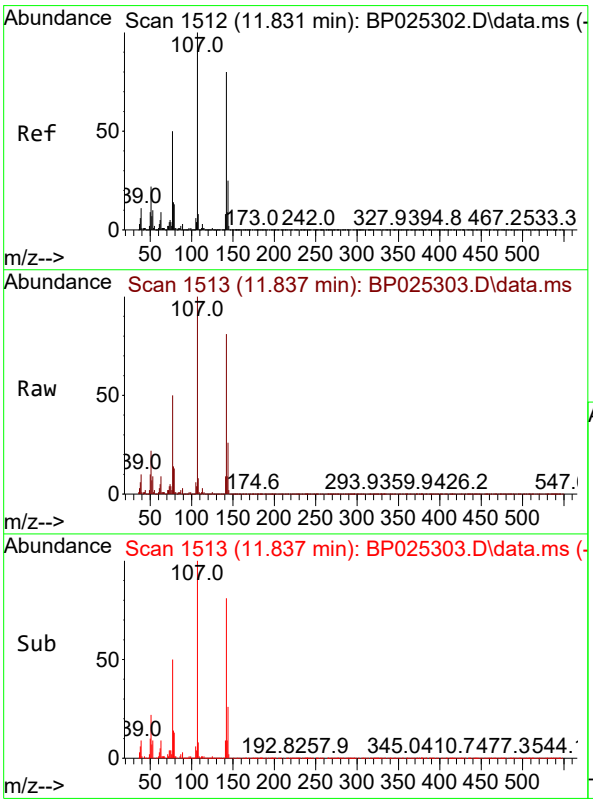
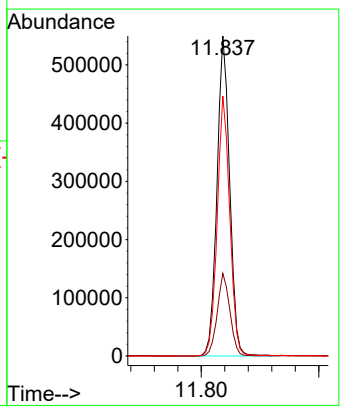
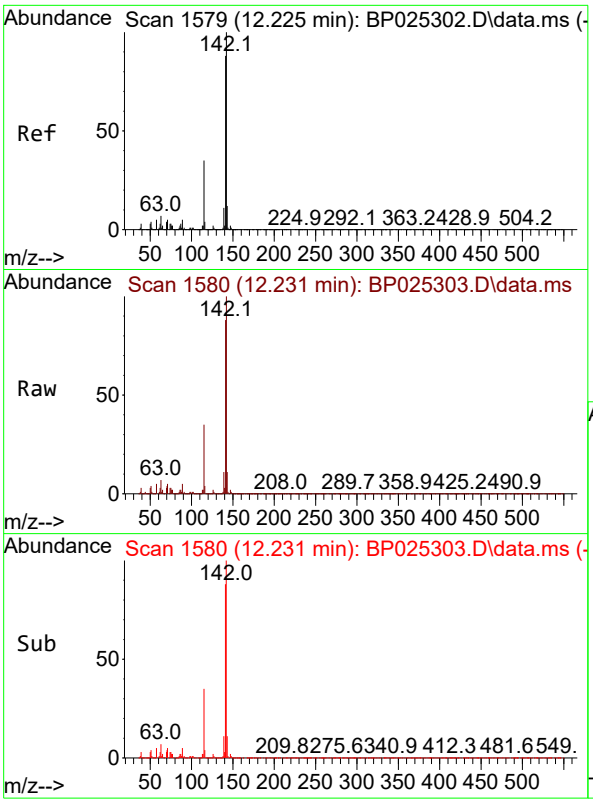


#36
4-Chloro-3-methylphenol
Concen: 54.768 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 822806

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.4	30.6
142	81.2	63.7	95.5

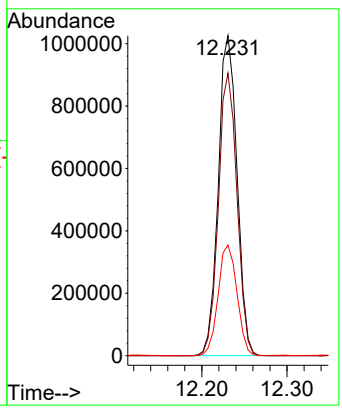




#37
2-Methylnaphthalene
Concen: 52.175 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:142 Resp: 156952

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	34.6	28.0	42.0



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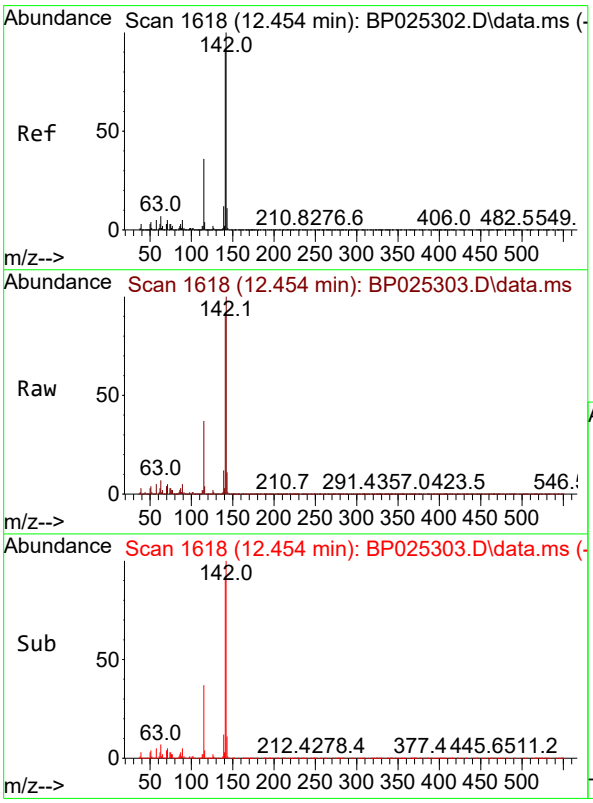
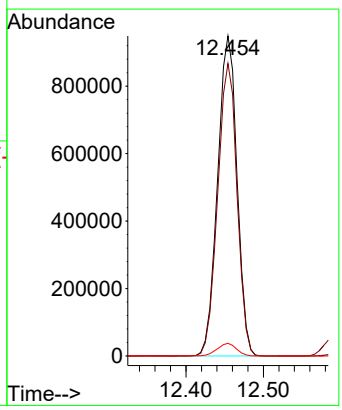
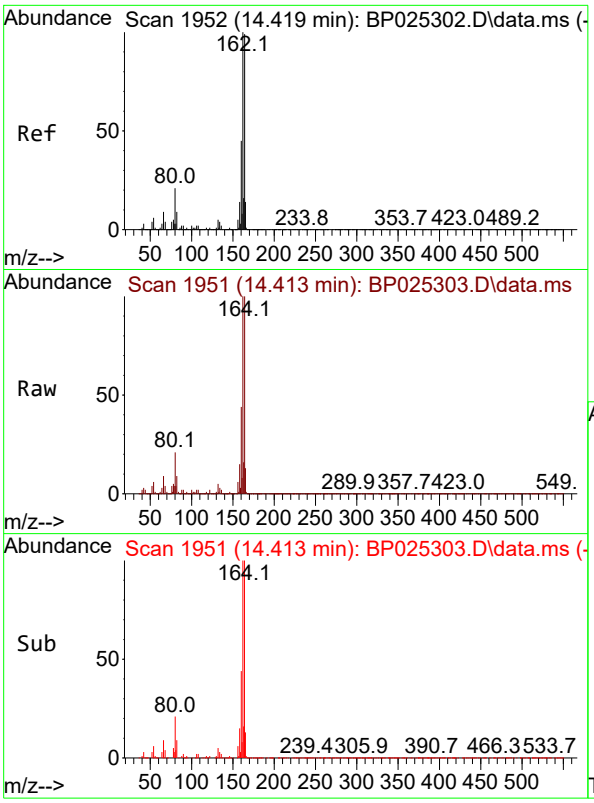


#38
1-Methylnaphthalene
Concen: 52.701 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:142 Resp: 1654175

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.6
116	3.9	3.0	4.6

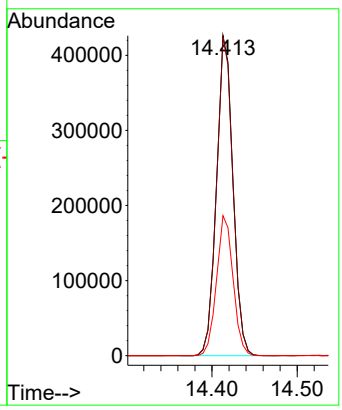




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:164 Resp: 57161

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.8	35.9	53.9



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ClientSampleId :
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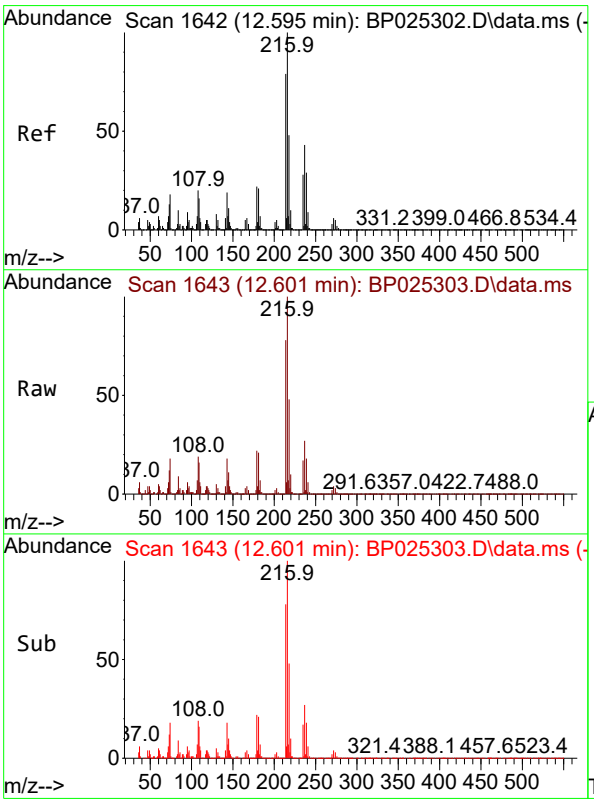
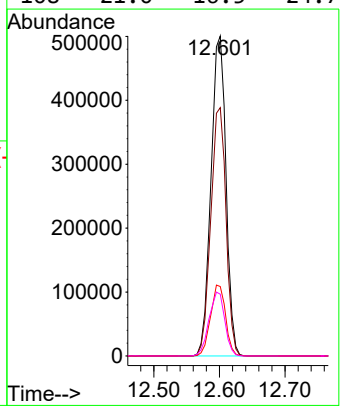
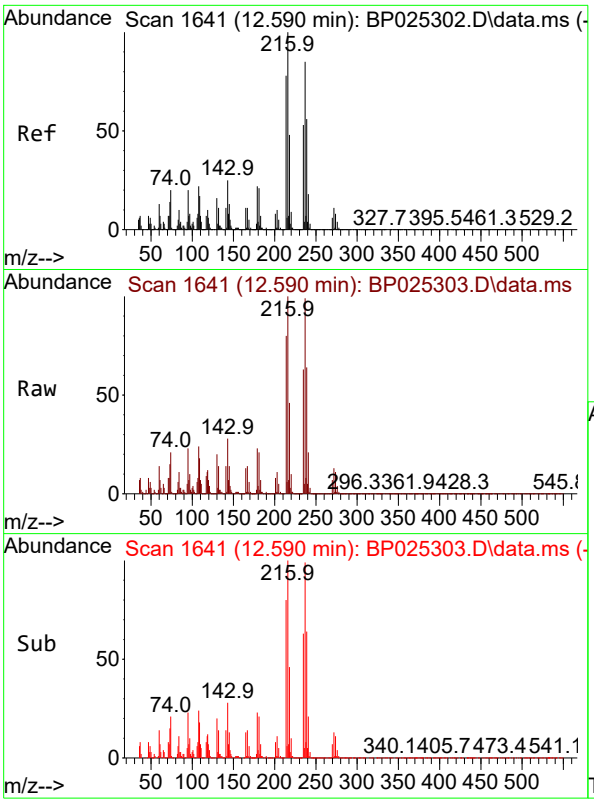


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.962 ng
RT: 12.601 min Scan# 1643
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:216 Resp: 795310

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	22.2	17.5	26.3
108	21.0	16.5	24.7

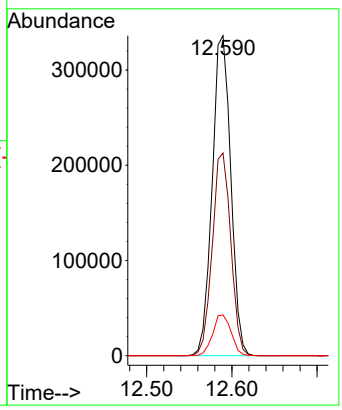




#41
Hexachlorocyclopentadiene
Concen: 53.061 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:237 Resp: 51106

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.2	82.2
272	12.8	0.0	32.8



Instrument :
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ClientSampleId :
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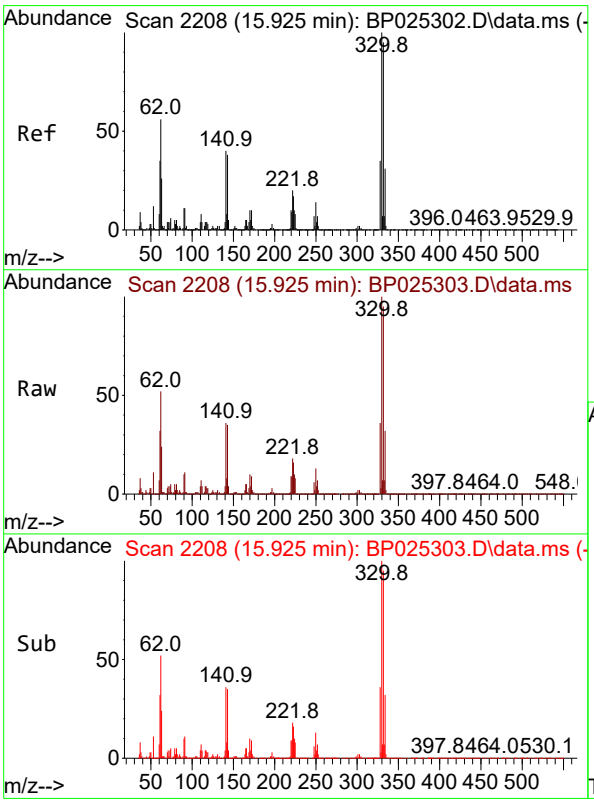
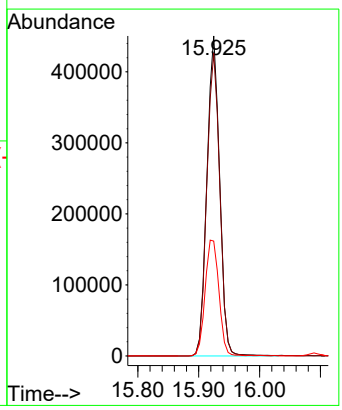
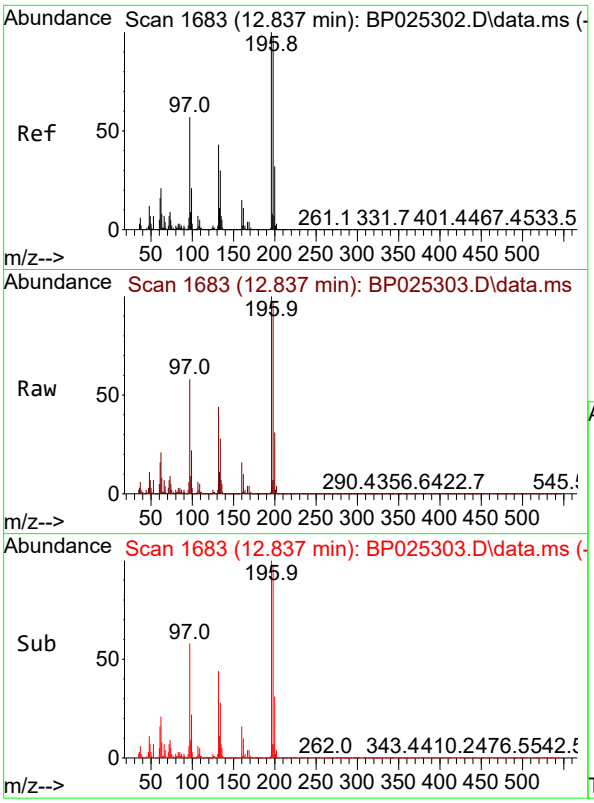


#42
2,4,6-Tribromophenol
Concen: 110.884 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:330 Resp: 654420

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.3	31.7	47.5

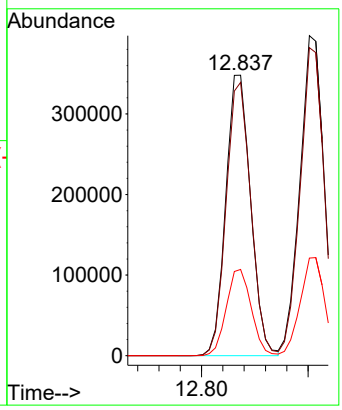




#43
2,4,6-Trichlorophenol
Concen: 56.046 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:196 Resp: 565018

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.3	115.9
200	30.8	25.4	38.2



Instrument :
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ClientSampleId :
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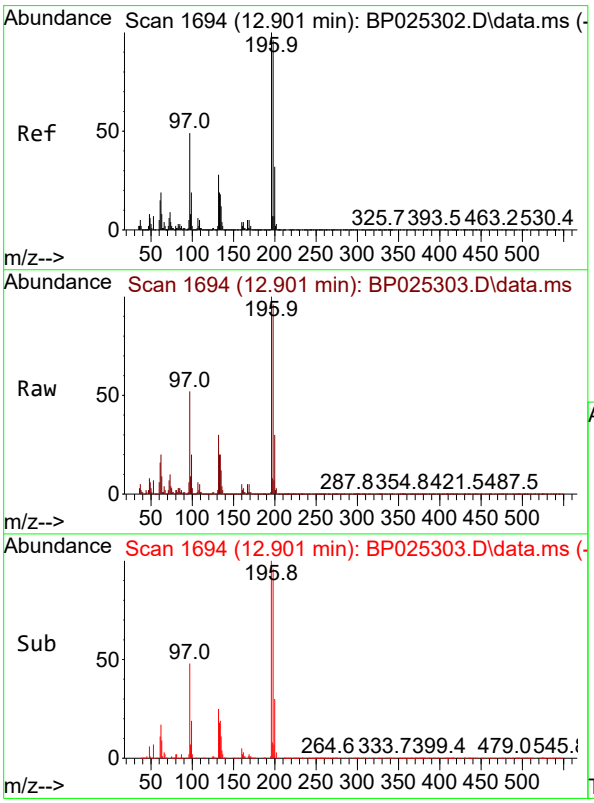
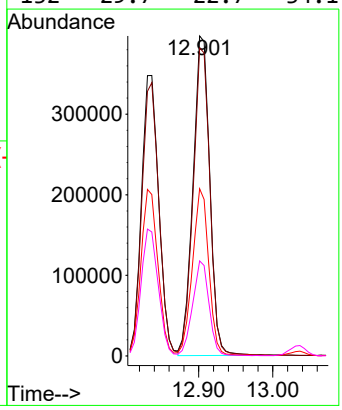
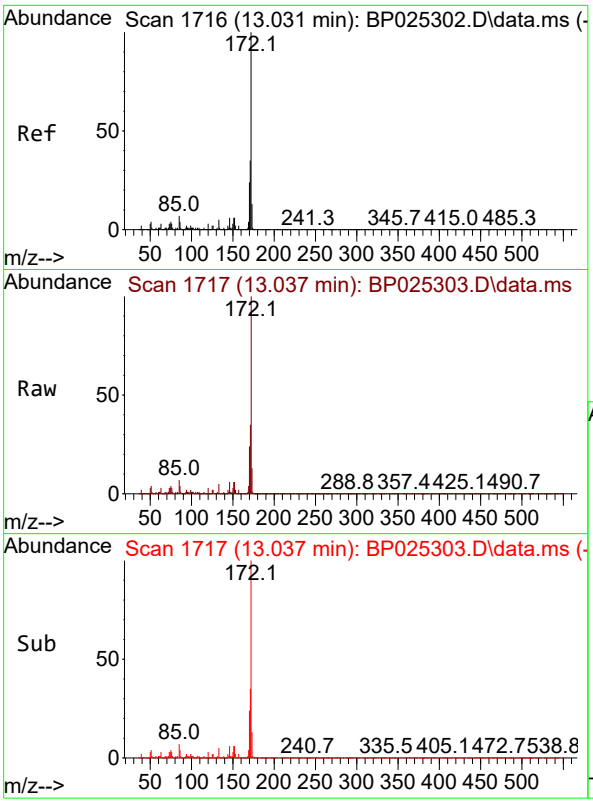


#44
2,4,5-Trichlorophenol
Concen: 55.243 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:196 Resp: 624750

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
97	52.2	39.5	59.3
132	29.7	22.7	34.1

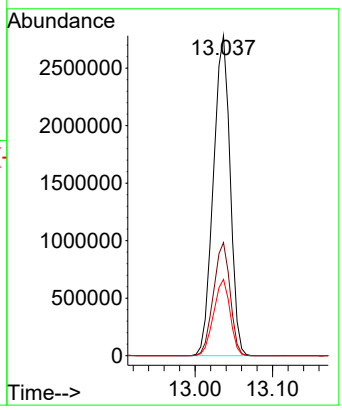




#45
2-Fluorobiphenyl
Concen: 101.643 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:172 Resp: 418412

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.9	18.9	28.3



Instrument :
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ClientSampleId :
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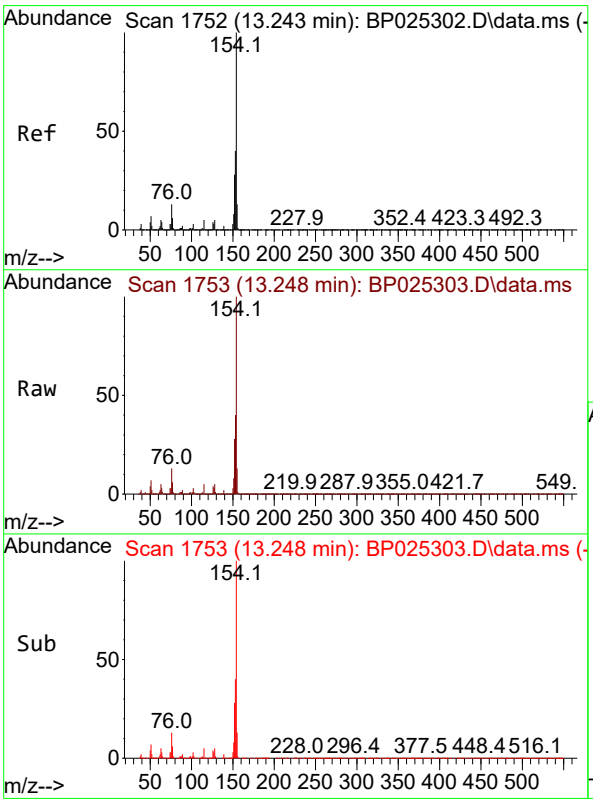
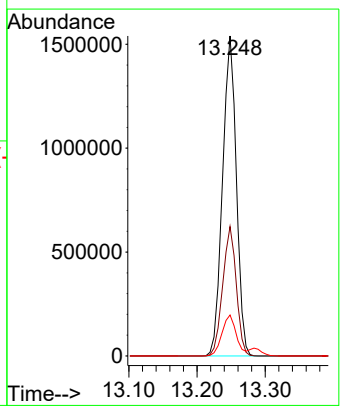
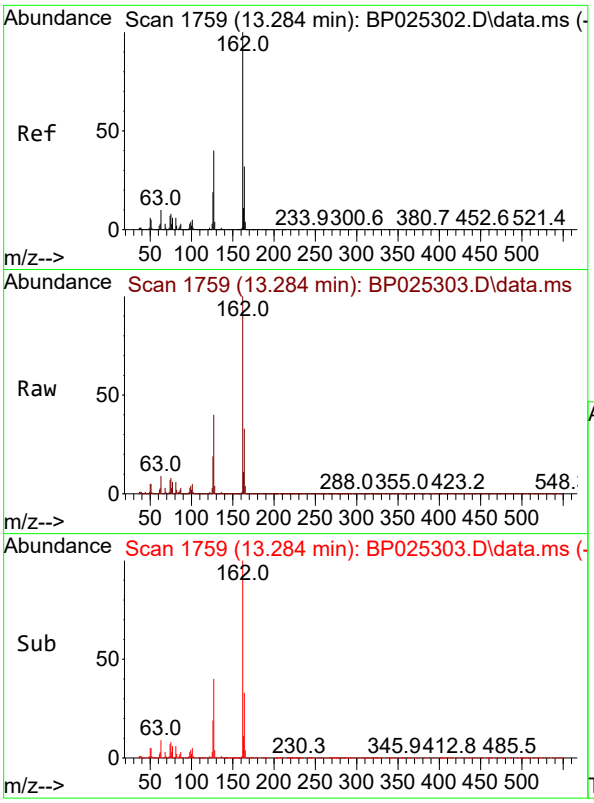


#46
1,1'-Biphenyl
Concen: 51.457 ng
RT: 13.248 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 2167632

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.9	59.9
76	12.8	0.0	33.2

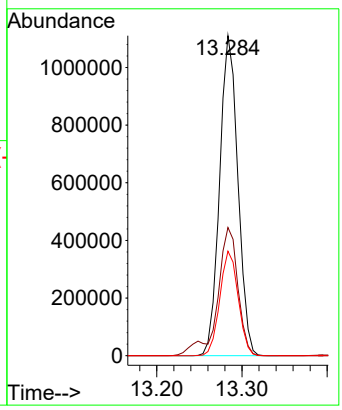




#47
2-Chloronaphthalene
Concen: 51.548 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:162 Resp: 165665

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	32.6	25.9	38.9



Instrument :
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ClientSampleId :
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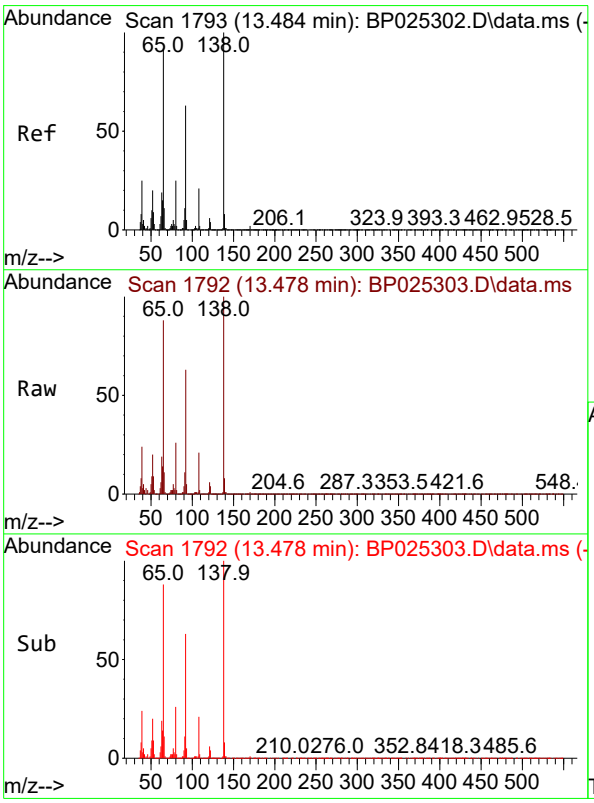
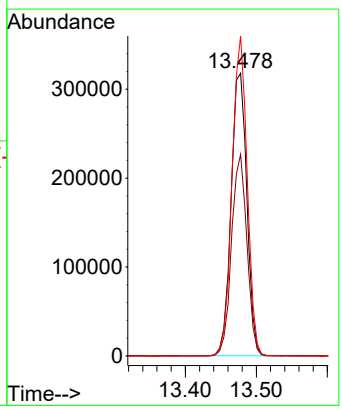
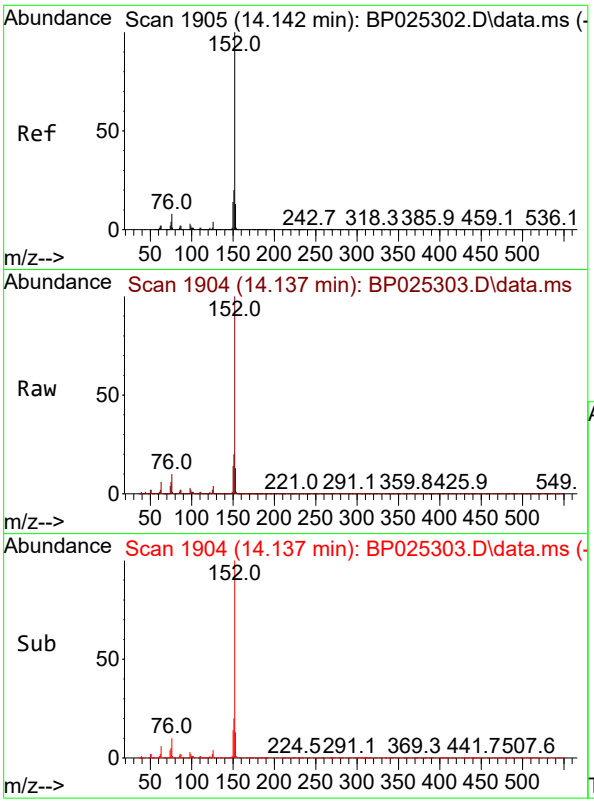


#48
2-Nitroaniline
Concen: 51.971 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 65 Resp: 491730

Ion	Ratio	Lower	Upper
65	100		
92	71.3	54.4	81.6
138	113.2	87.0	130.4

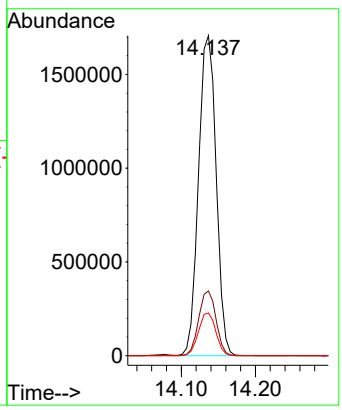




#49
Acenaphthylene
Concen: 52.537 ng
RT: 14.137 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:152 Resp: 281636

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.3	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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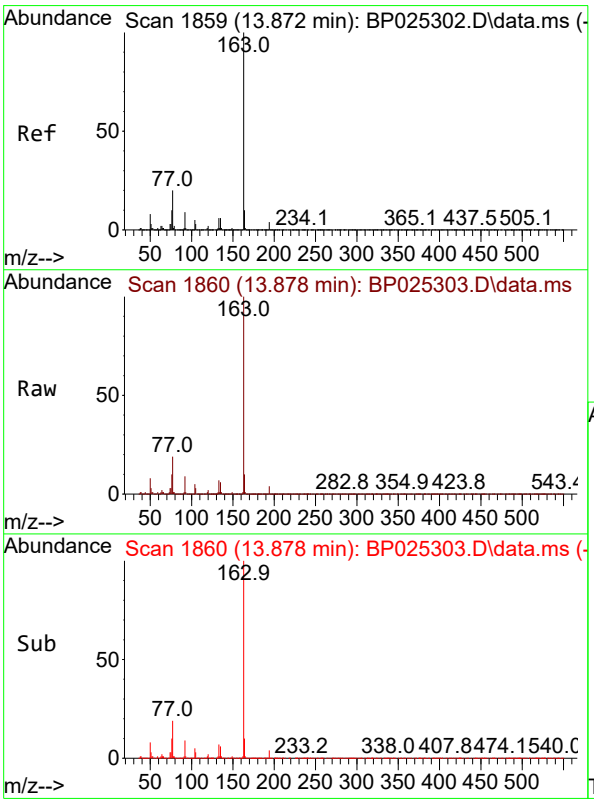
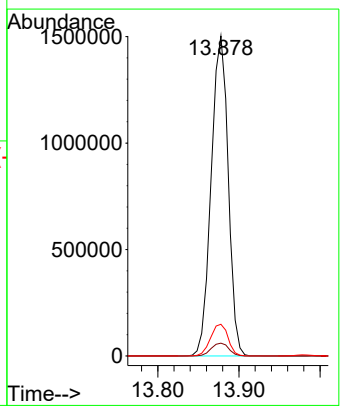
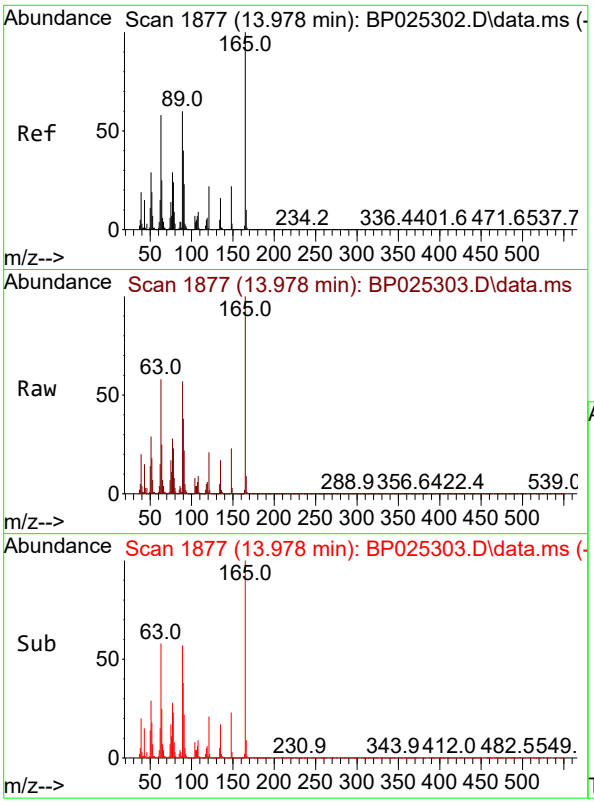


#50
Dimethylphthalate
Concen: 52.544 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:163 Resp: 2189488

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.0	12.0

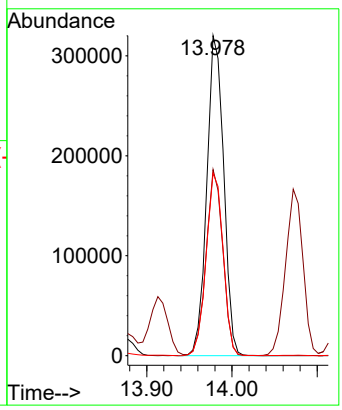




#51
2,6-Dinitrotoluene
Concen: 57.323 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:165 Resp: 44059

Ion	Ratio	Lower	Upper
165	100		
63	58.1	47.6	71.4
89	57.1	47.8	71.8



Instrument :
BNA_P
ClientSampleId :
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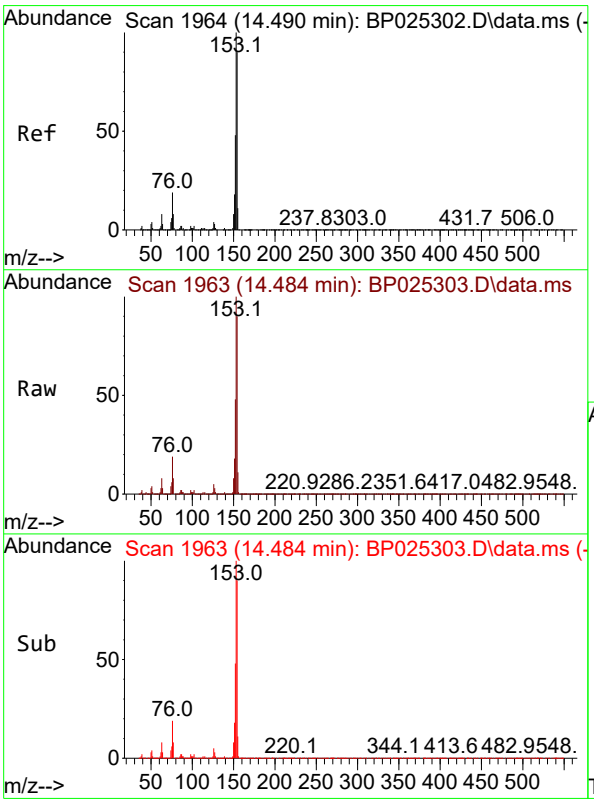
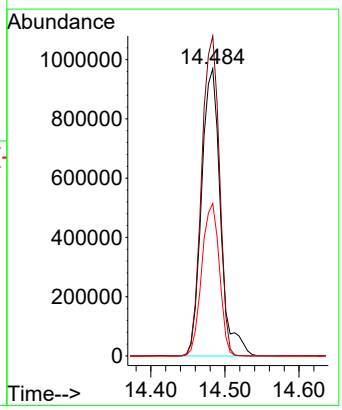
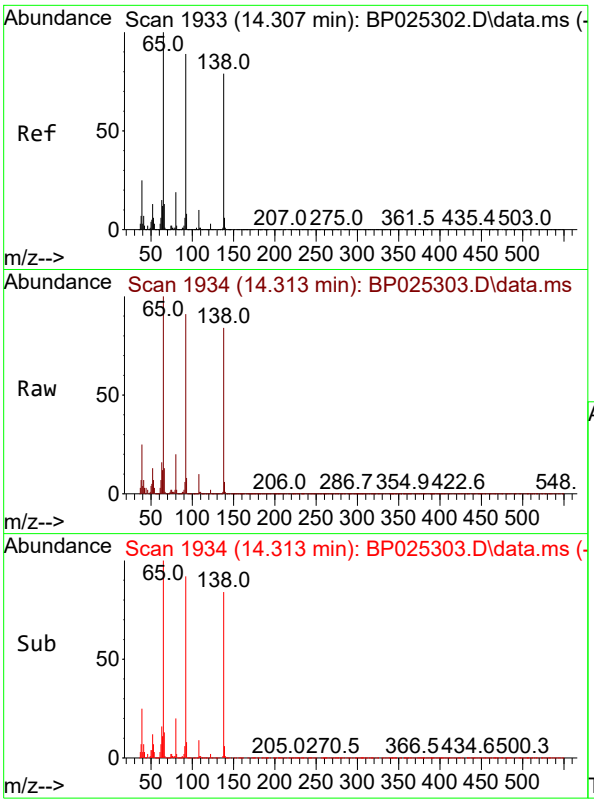


#52
Acenaphthene
Concen: 52.489 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 1716317

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.4	134.0
152	53.1	43.0	64.6

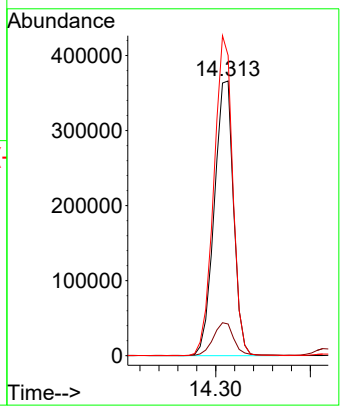




#53
3-Nitroaniline
Concen: 57.487 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:138 Resp: 51702

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.5	15.7
92	109.3	90.9	136.3



Instrument :
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ClientSampleId :
SSTDICC050

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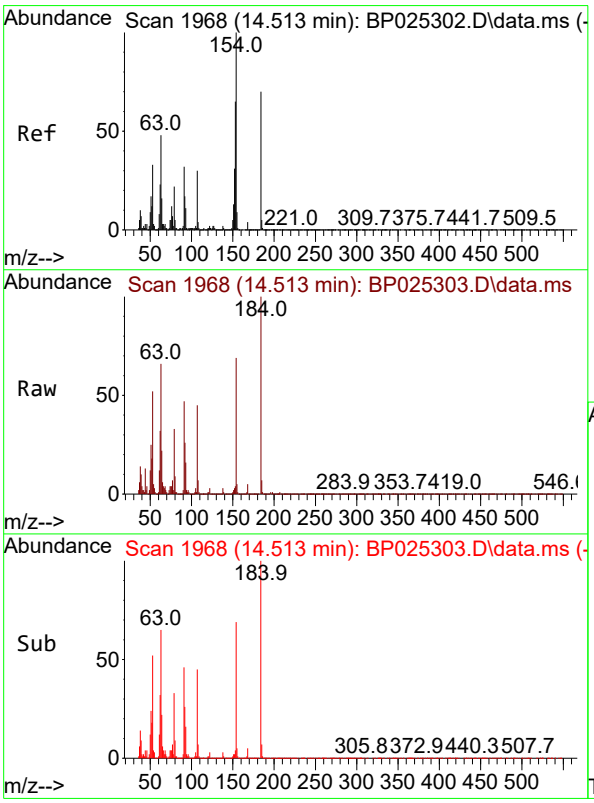
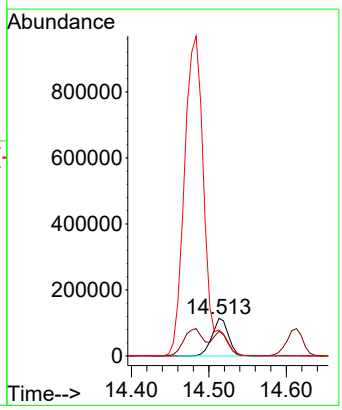
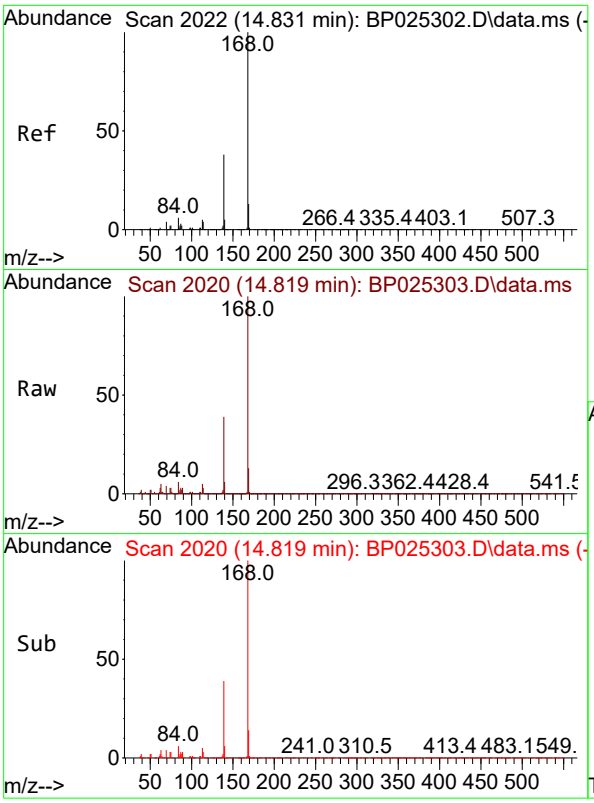


#54
2,4-Dinitrophenol
Concen: 50.836 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:184 Resp: 167500

Ion	Ratio	Lower	Upper
184	100		
63	65.6	56.3	84.5
154	69.0	124.5	186.7#

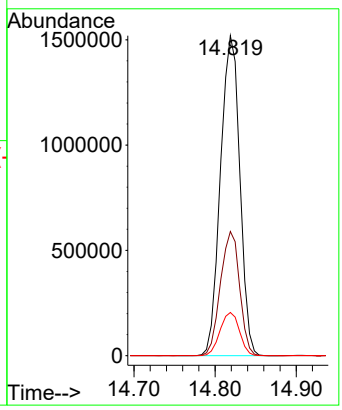




#55
Dibenzofuran
Concen: 51.534 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:168 Resp: 251818

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.5	45.7
169	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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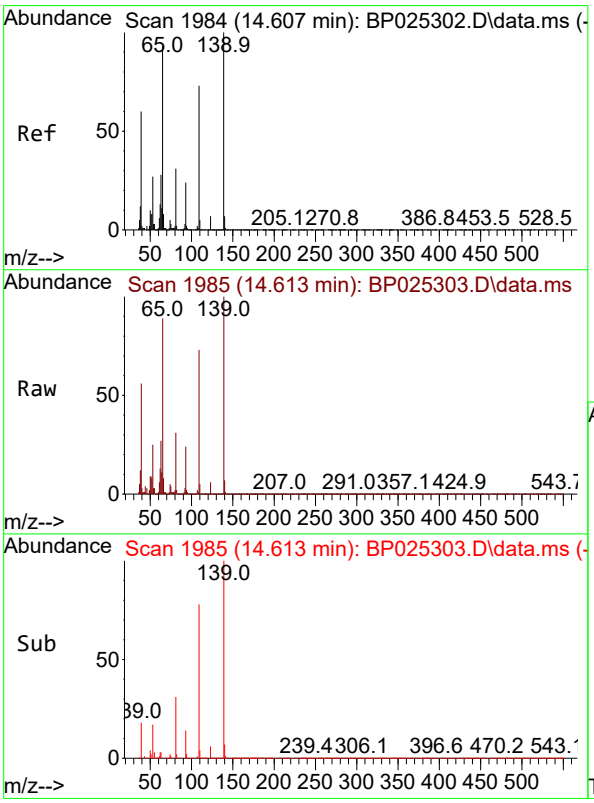
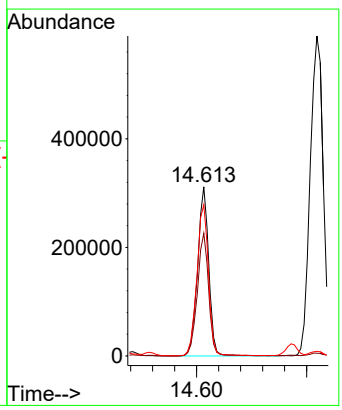
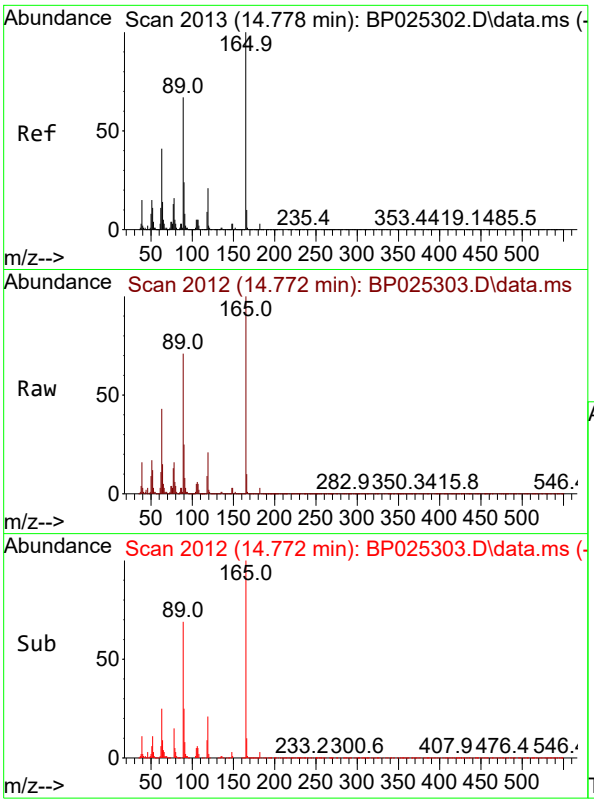


#56
4-Nitrophenol
Concen: 55.392 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 439677

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.7	92.7
65	89.4	73.4	113.4

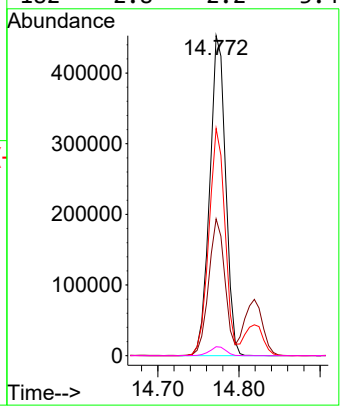




#57
2,4-Dinitrotoluene
Concen: 51.438 ng
RT: 14.772 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:165 Resp: 61585

Ion	Ratio	Lower	Upper
165	100		
63	42.8	33.2	49.8
89	71.0	53.5	80.3
182	2.8	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
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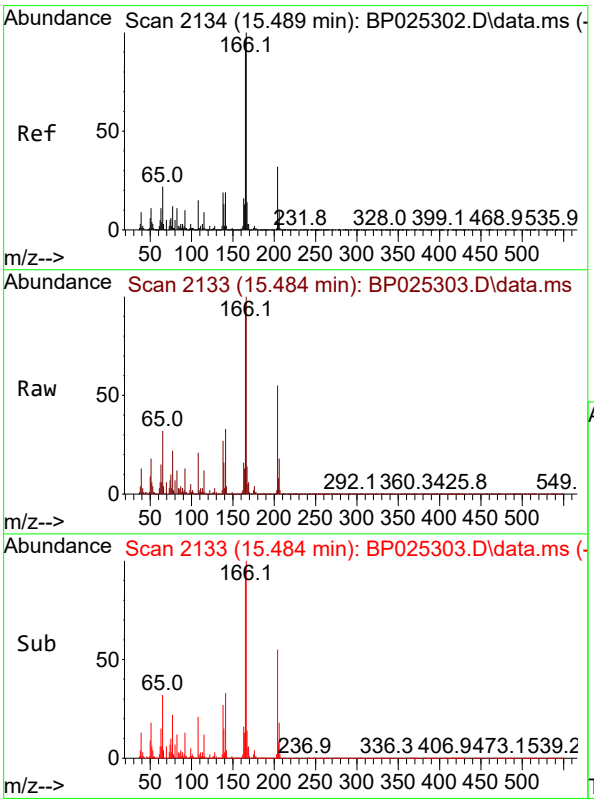
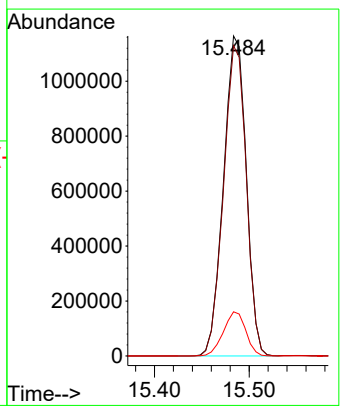
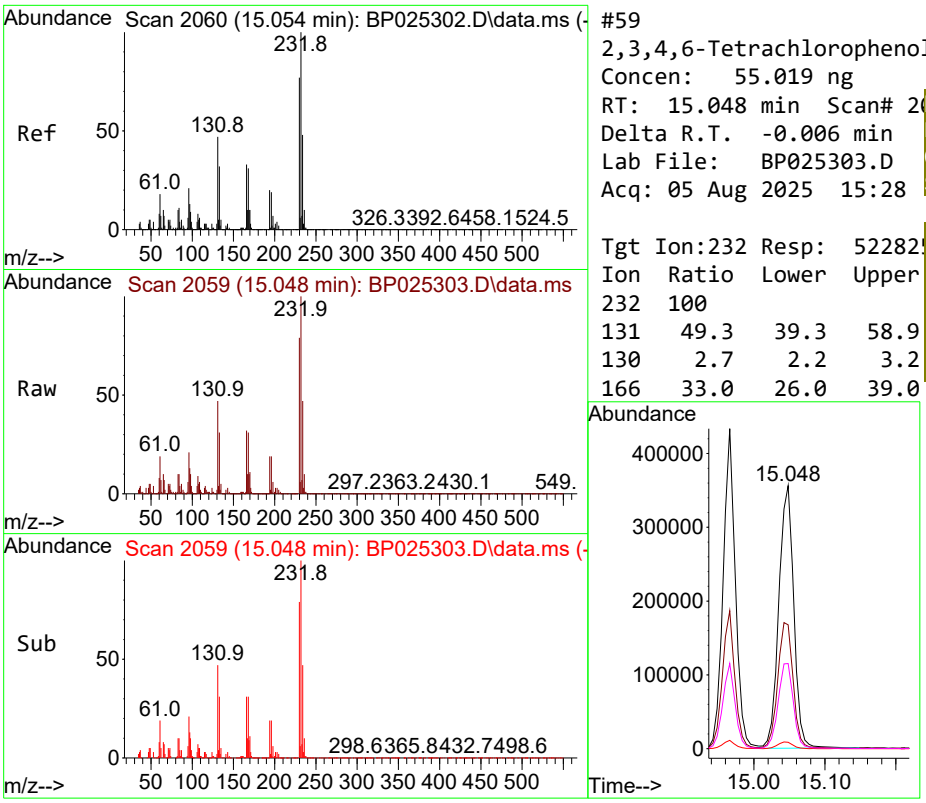


#58
Fluorene
Concen: 50.628 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:166 Resp: 1943035

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.7	115.1
167	13.8	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 55.019 ng
RT: 15.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:232 Resp: 52282

Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.3	58.9
130	2.7	2.2	3.2
166	33.0	26.0	39.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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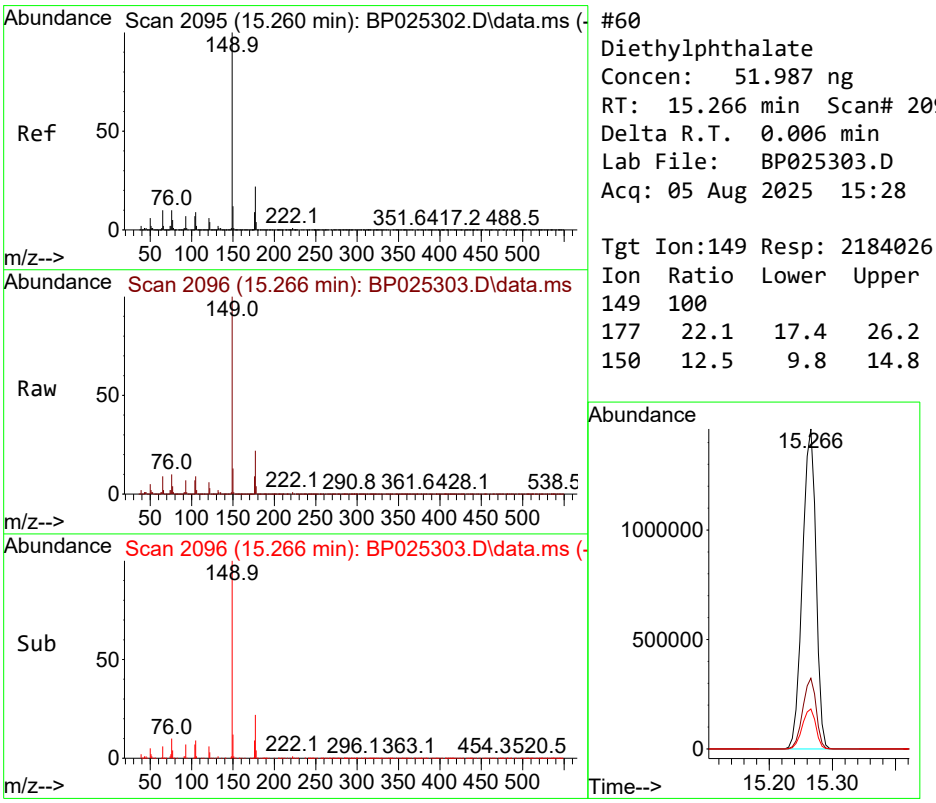
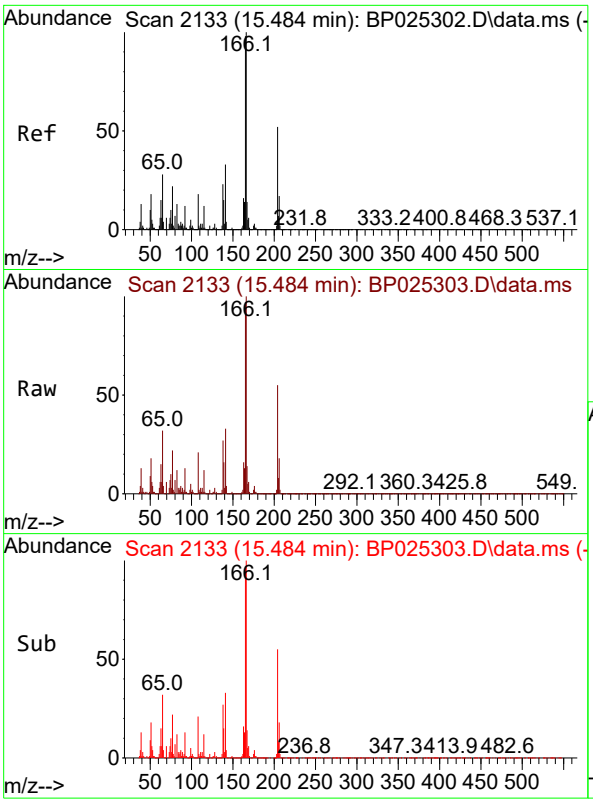


#60
Diethylphthalate
Concen: 51.987 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2184026

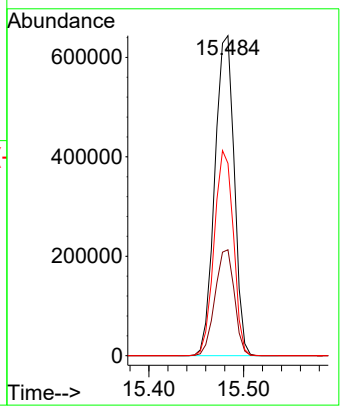
Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.5	9.8	14.8



#61
4-Chlorophenyl-phenylether
Concen: 50.462 ng
RT: 15.484 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:204 Resp: 91812

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	60.1	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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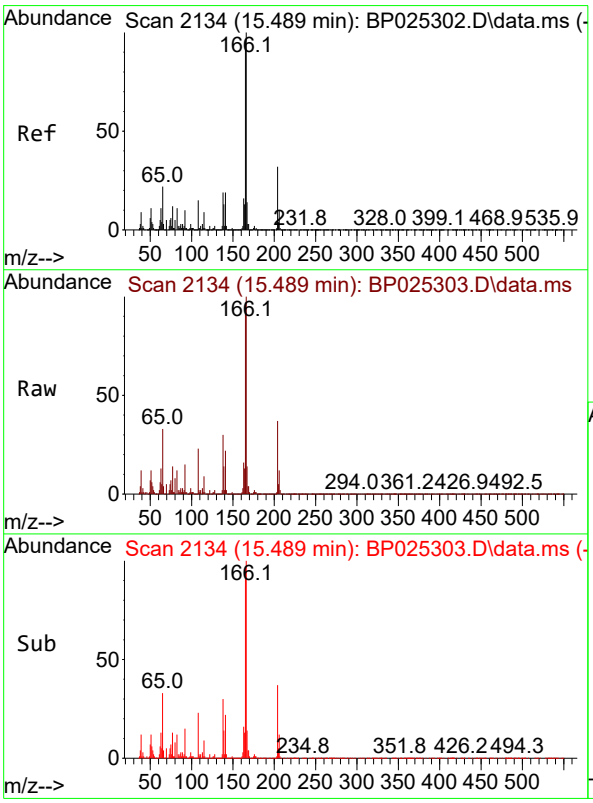
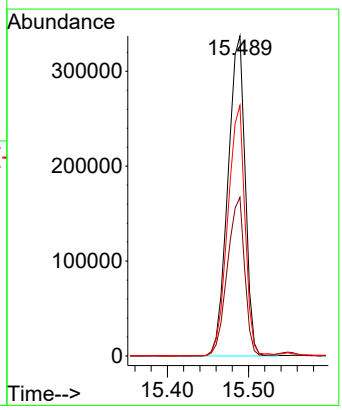
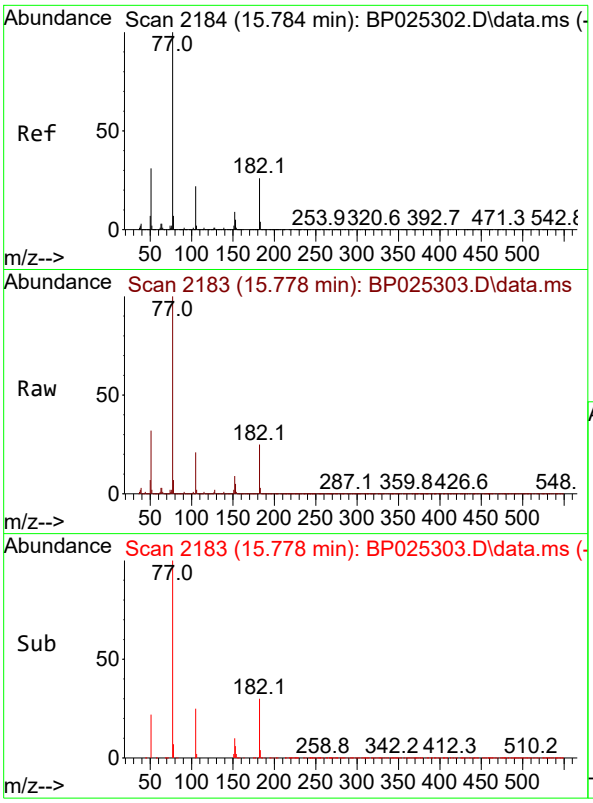


#62
4-Nitroaniline
Concen: 55.814 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:138 Resp: 497394

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.8	69.8
108	78.3	56.6	96.6

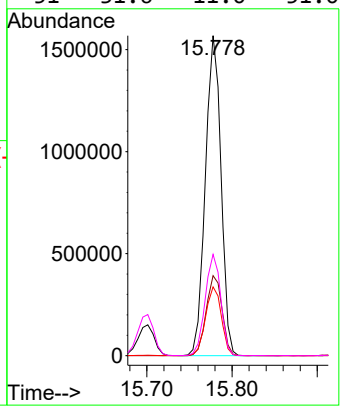




#63
Azobenzene
Concen: 51.248 ng
RT: 15.778 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 200006

Ion	Ratio	Lower	Upper
77	100		
182	25.0	6.0	46.0
105	21.5	2.1	42.1
51	31.6	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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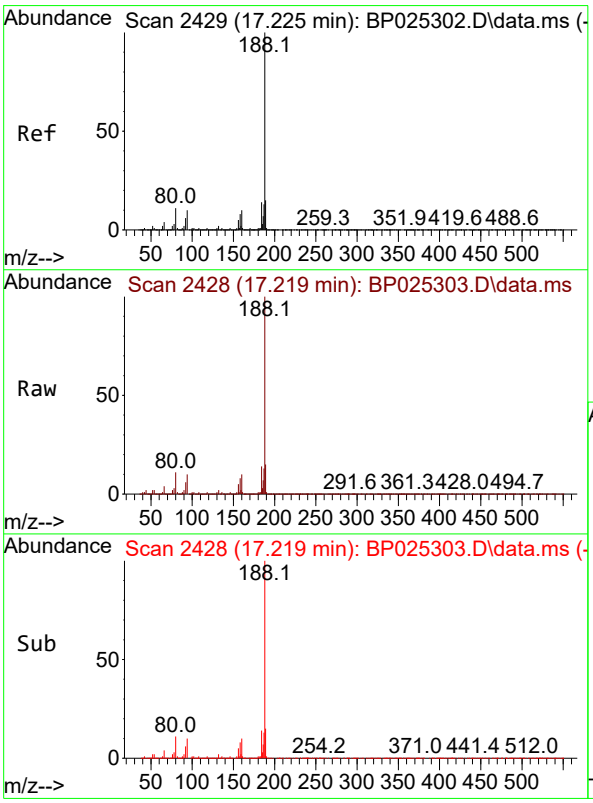
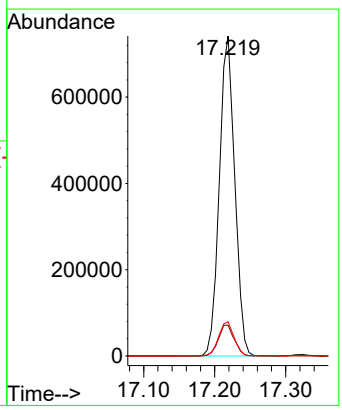
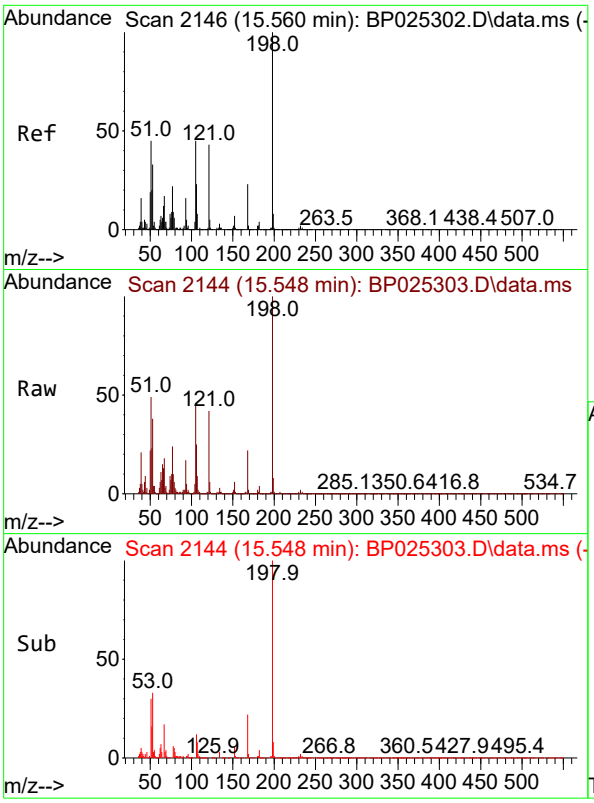


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:188 Resp: 1114369

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.7	8.5	12.7

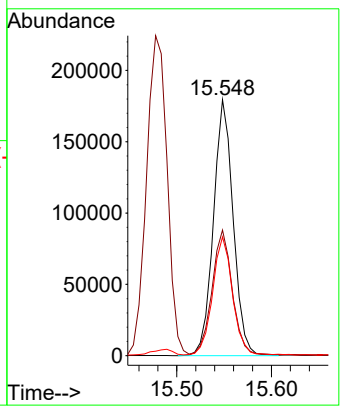




#65
4,6-Dinitro-2-methylphenol
Concen: 51.256 ng
RT: 15.548 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:198 Resp: 25958

Ion	Ratio	Lower	Upper
198	100		
51	49.1	26.7	66.7
105	46.4	25.6	65.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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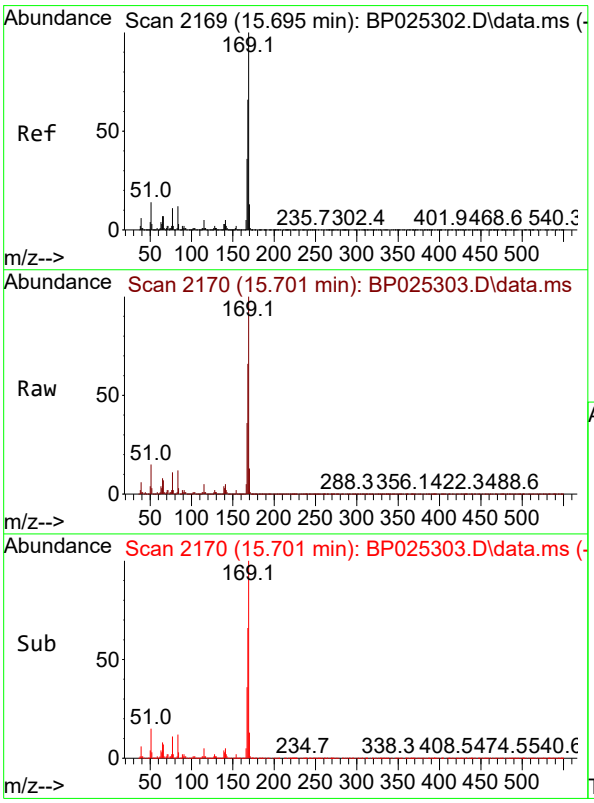
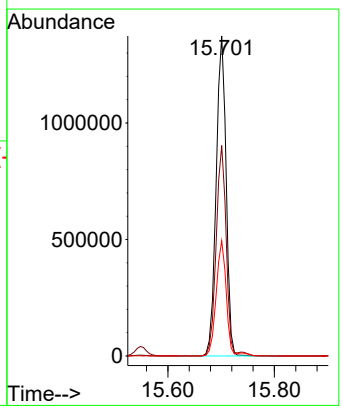
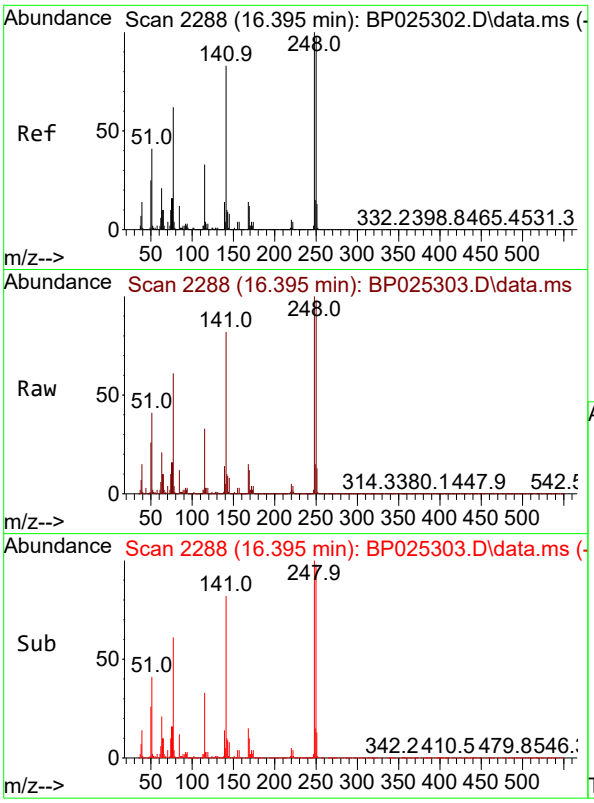


#66
n-Nitrosodiphenylamine
Concen: 52.344 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:169 Resp: 1776048

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.8	79.2
167	36.0	28.5	42.7

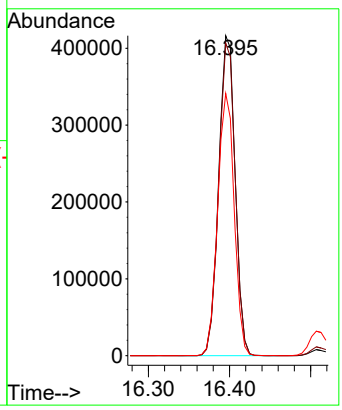




#67
4-Bromophenyl-phenylether
Concen: 52.531 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:248 Resp: 58900

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	81.9	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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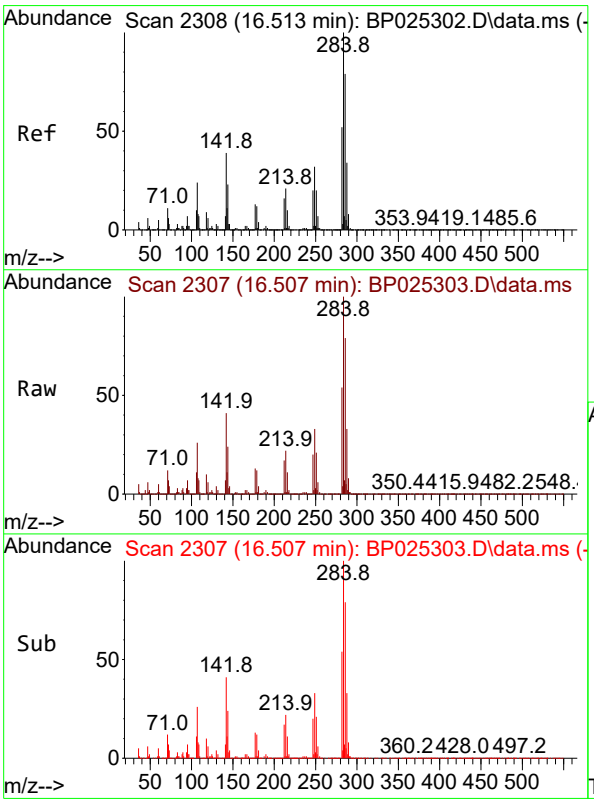
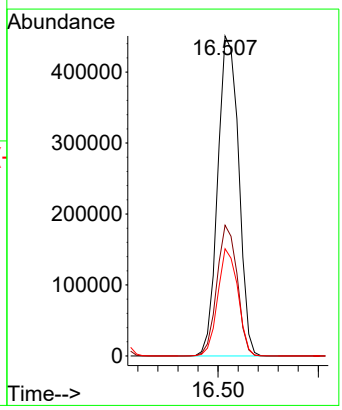
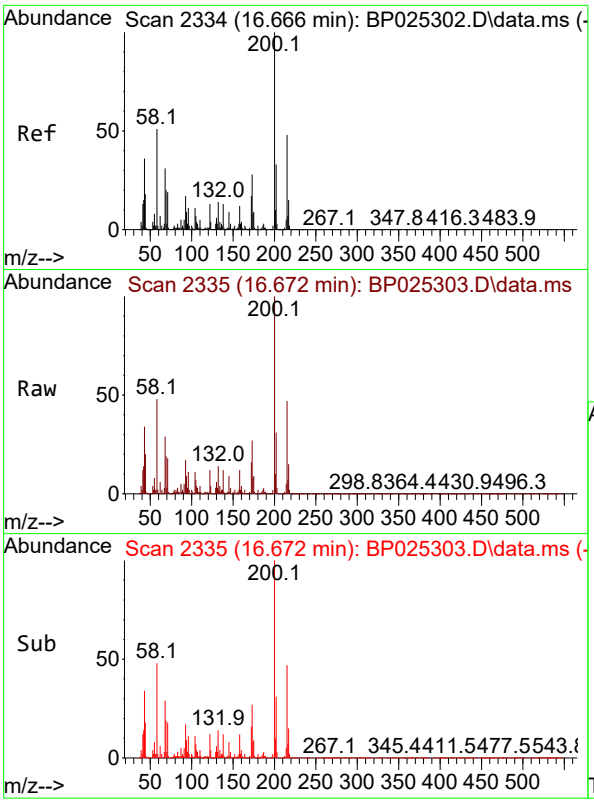


#68
Hexachlorobenzene
Concen: 51.698 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:284 Resp: 650421

Ion	Ratio	Lower	Upper
284	100		
142	40.8	30.8	46.2
249	33.5	25.4	38.0

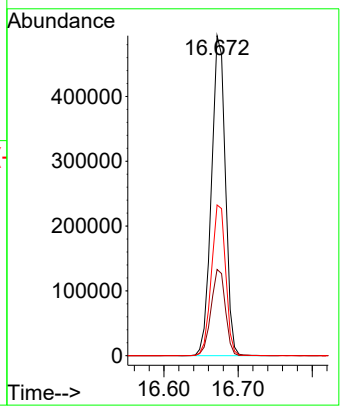




#69
Atrazine
Concen: 53.820 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:200 Resp: 64220

Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.2	48.2
215	47.1	28.1	68.1



Instrument :
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ClientSampleId :
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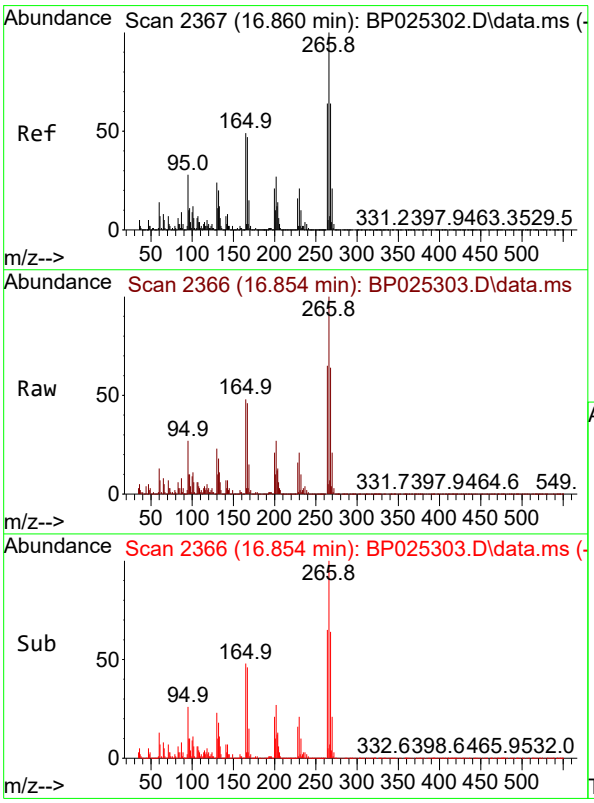
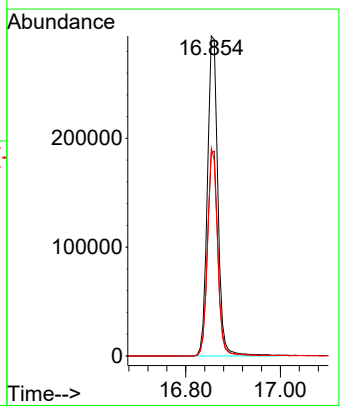
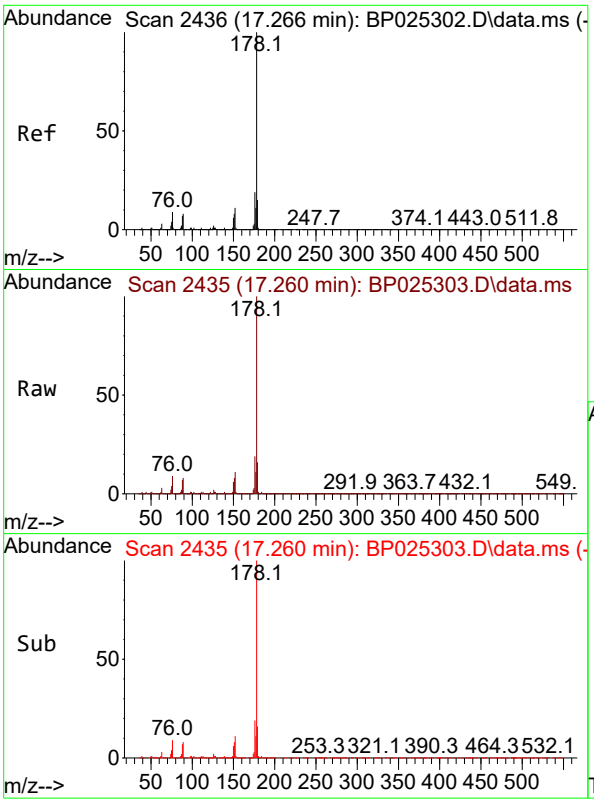


#70
Pentachlorophenol
Concen: 56.013 ng
RT: 16.854 min Scan# 2366
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:266 Resp: 448973

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.0
264	65.0	51.1	76.7

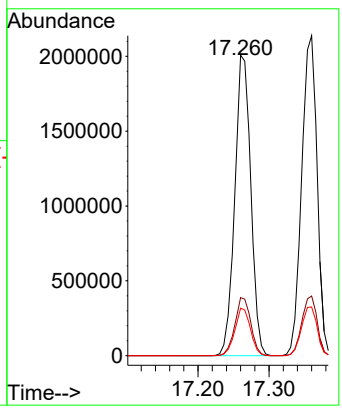




#71
Phenanthrene
Concen: 51.650 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:178 Resp: 315248

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.1	18.1



Instrument :
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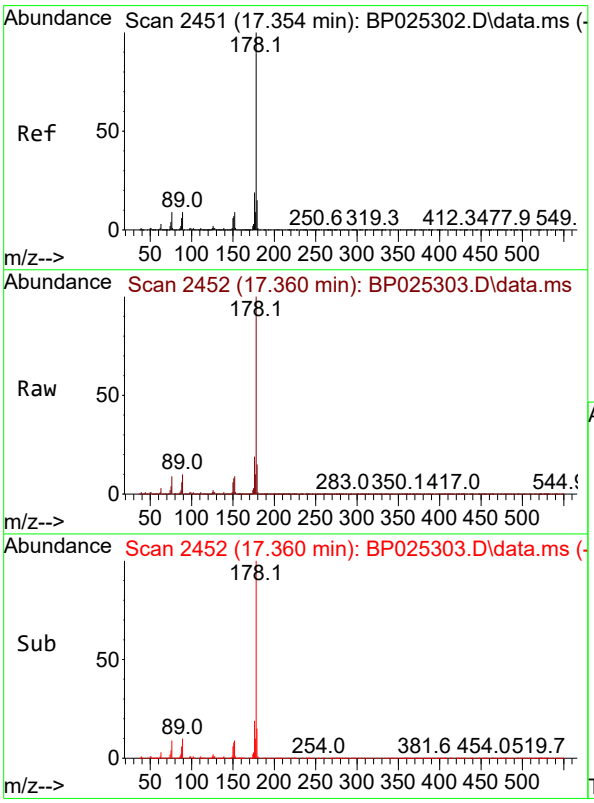
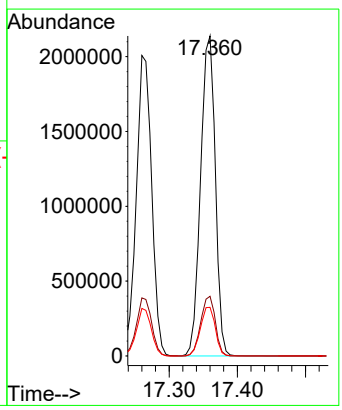
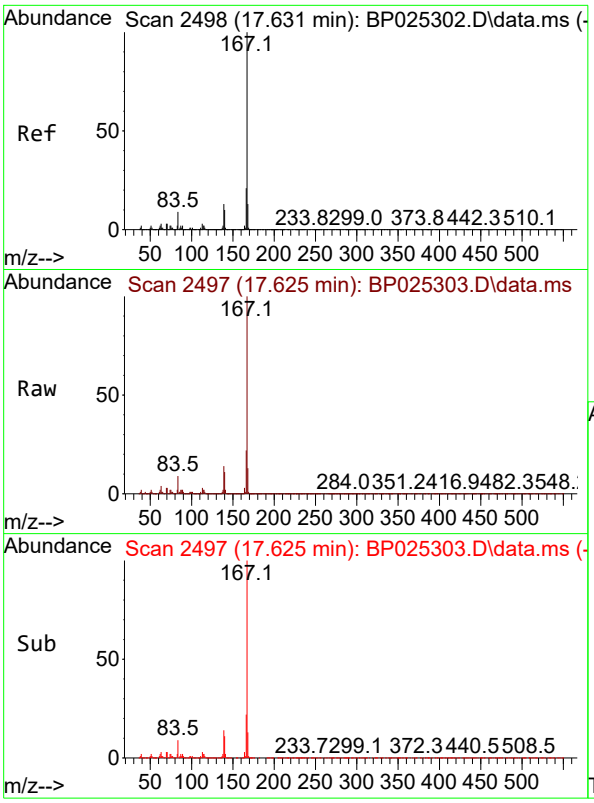


#72
Anthracene
Concen: 52.124 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:178 Resp: 3207824

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.2	12.3	18.5

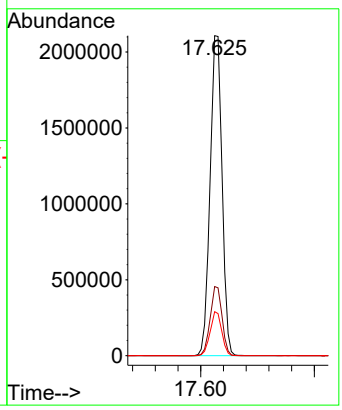




#73
Carbazole
Concen: 51.900 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:167 Resp: 306601

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.8	10.6	16.0



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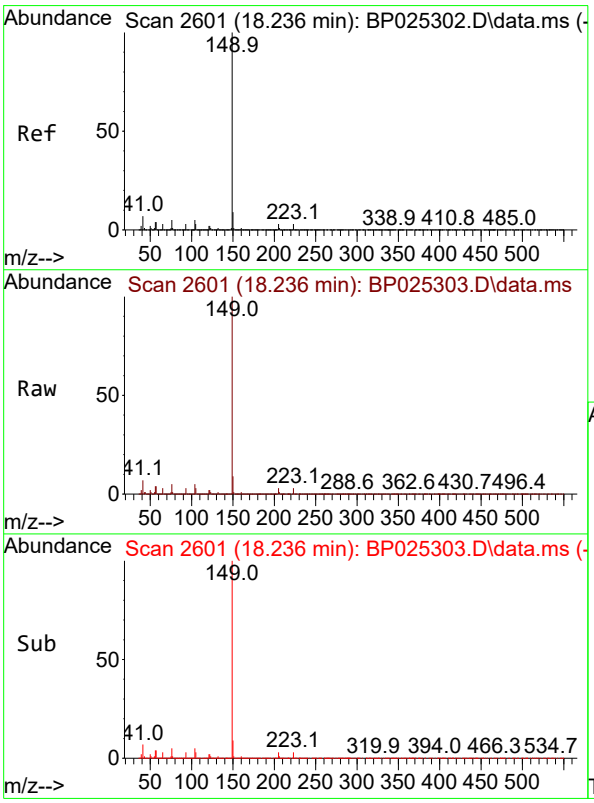
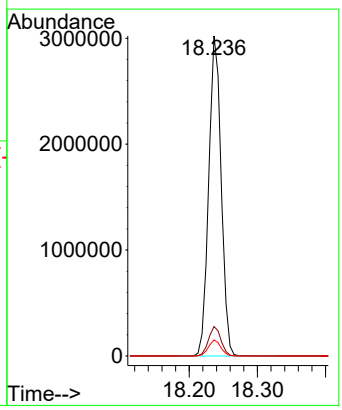
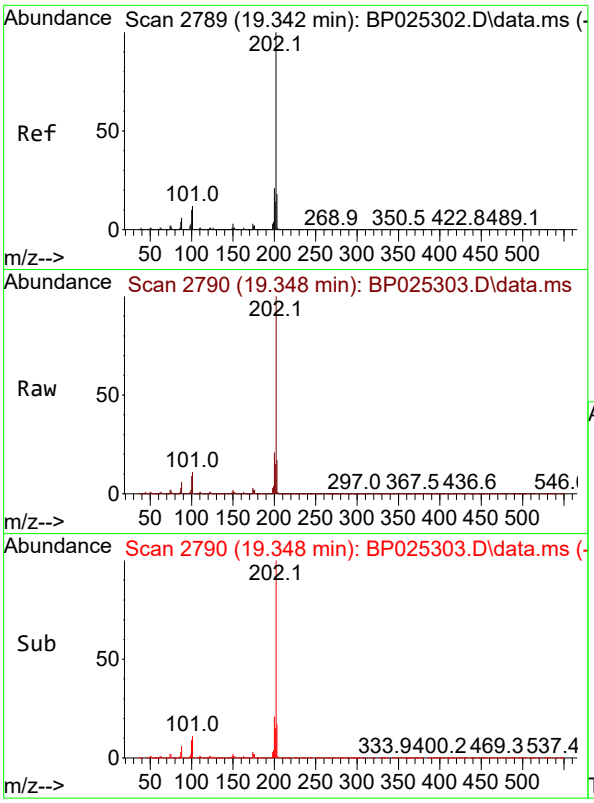


#74
Di-n-butylphthalate
Concen: 53.637 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 3833325

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.0	4.1	6.1





#75
Fluoranthene
Concen: 51.795 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:202 Resp: 365966

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.2	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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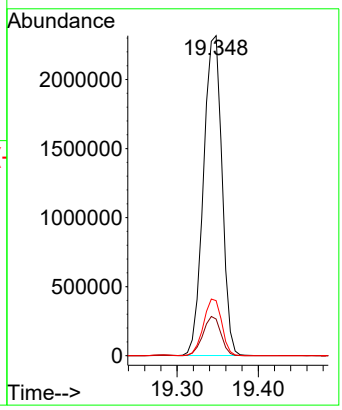
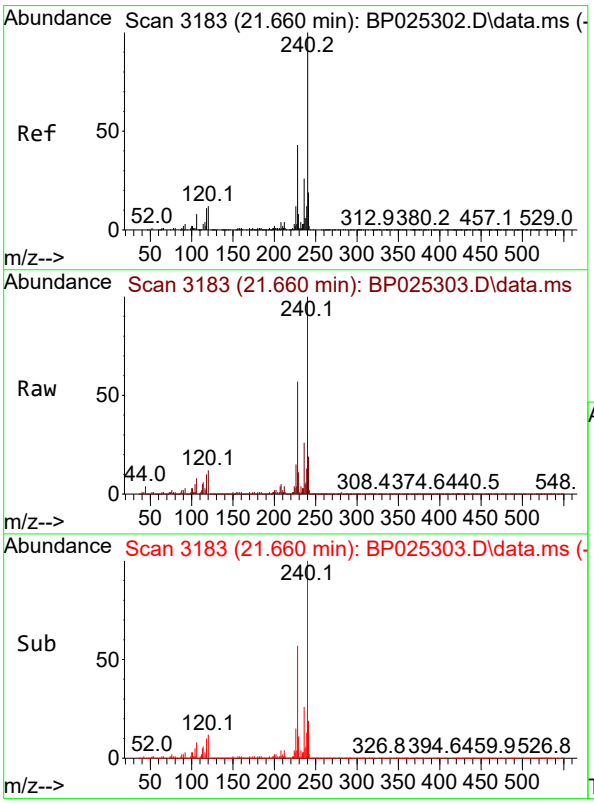
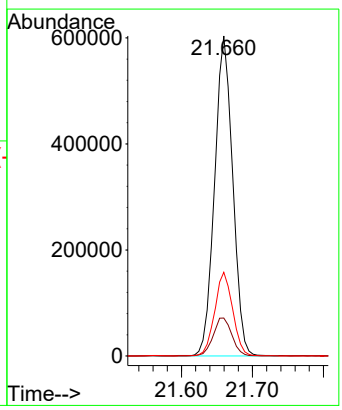


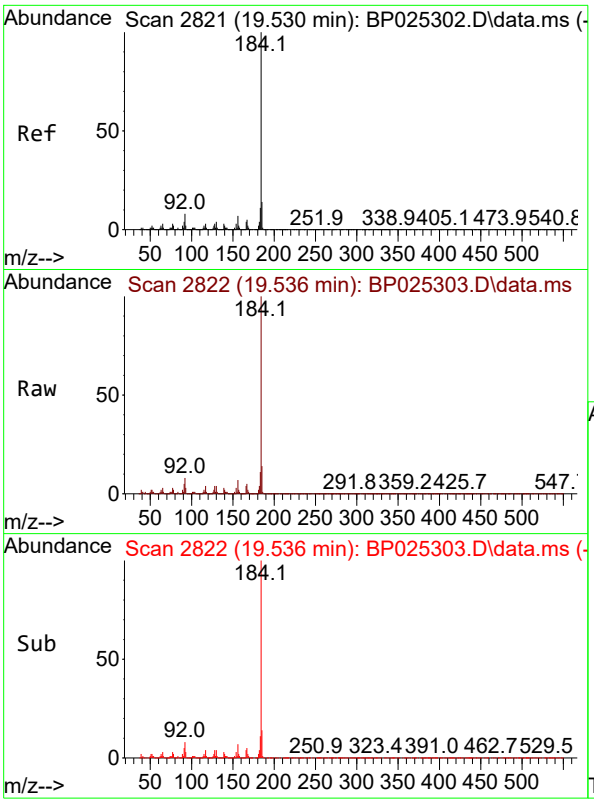


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:240 Resp: 1066090

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.2	20.4	30.6

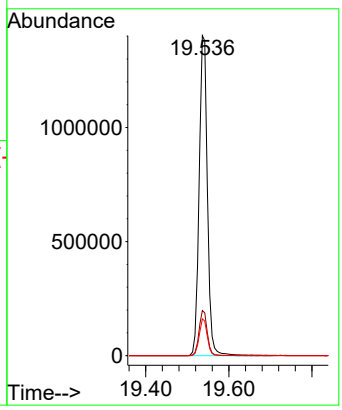




#77
Benzidine
Concen: 50.156 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:184 Resp: 193536

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.5	9.2	13.8



Instrument :
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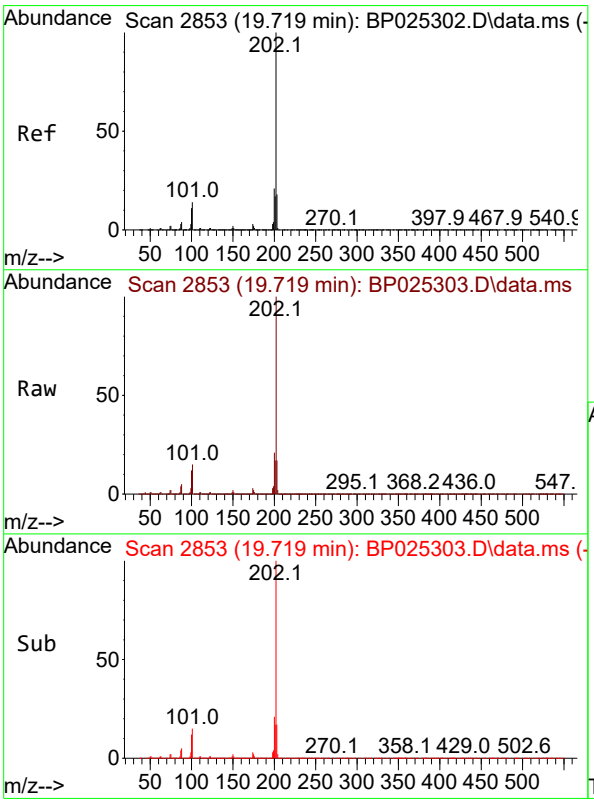
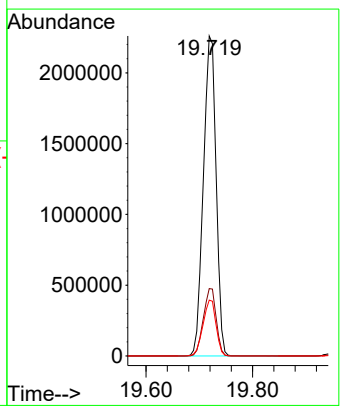
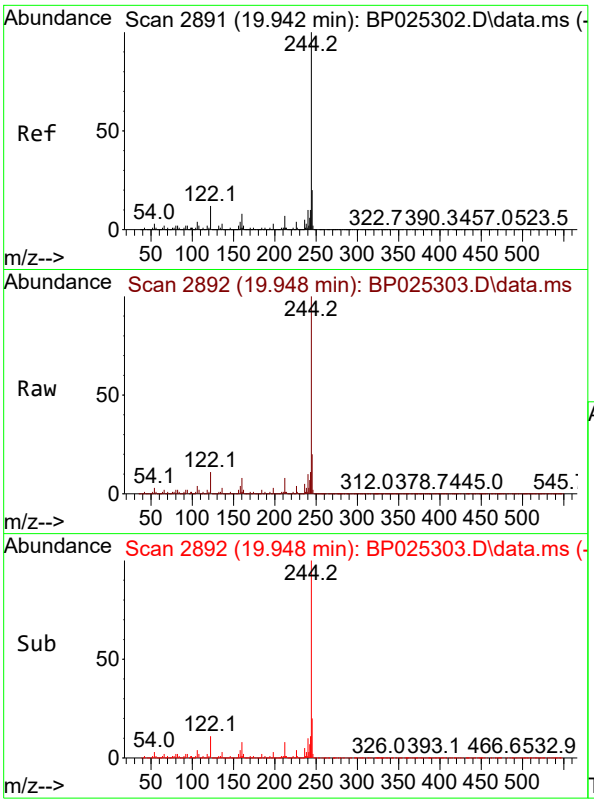


#78
Pyrene
Concen: 52.875 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:202 Resp: 3748452

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.5	14.1	21.1

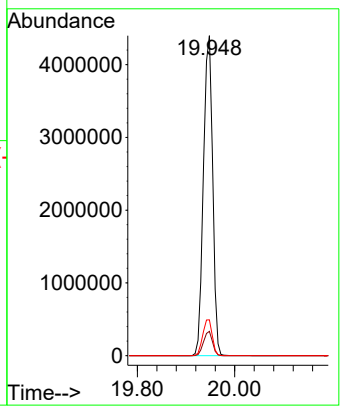




#79
Terphenyl-d14
Concen: 102.169 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:244 Resp: 576555

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.2	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
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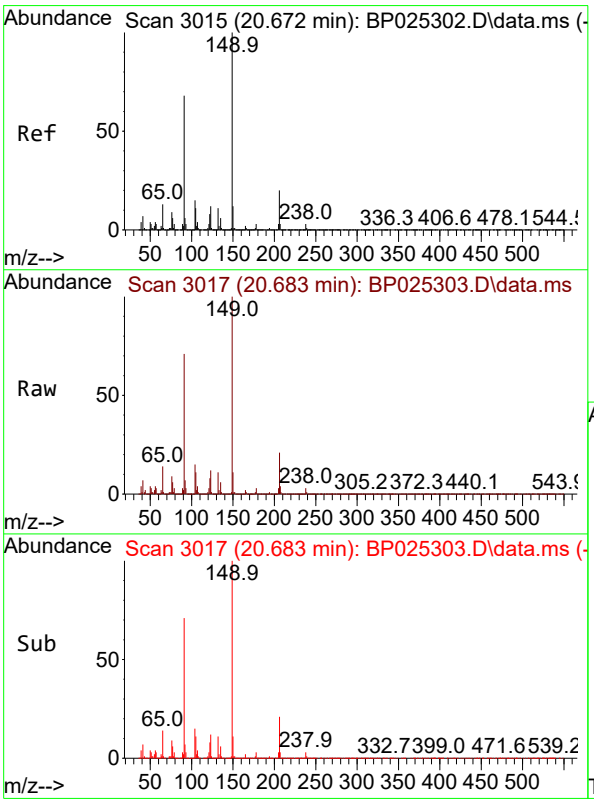
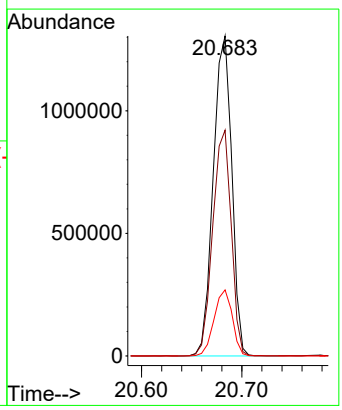
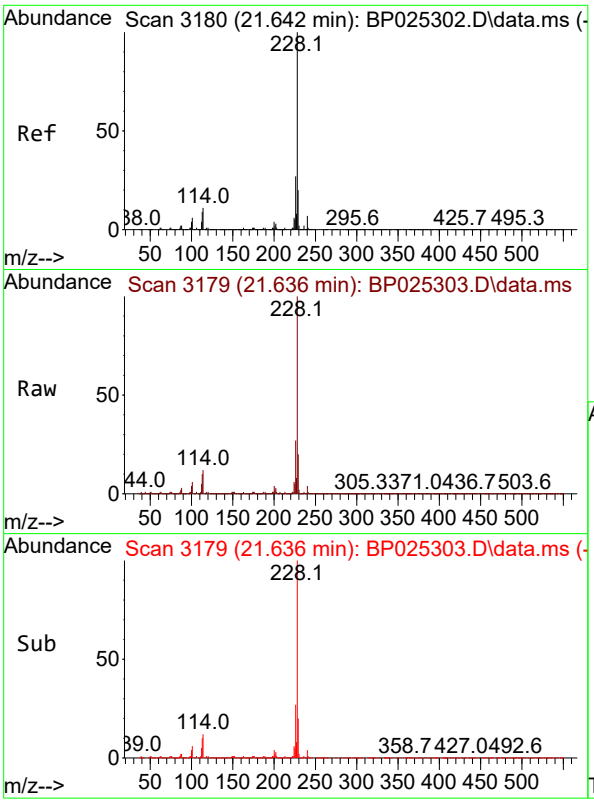


#80
Butylbenzylphthalate
Concen: 58.102 ng
RT: 20.683 min Scan# 3017
Delta R.T. 0.011 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 1670521

Ion	Ratio	Lower	Upper
149	100		
91	70.5	54.7	82.1
206	20.7	16.4	24.6

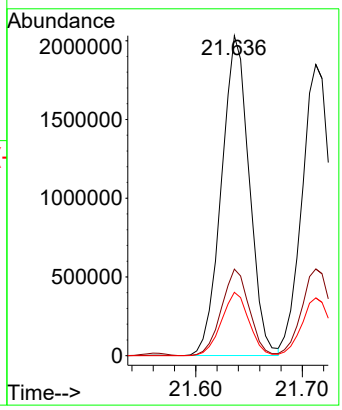




#81
Benzo(a)anthracene
Concen: 51.986 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:228 Resp: 368290

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
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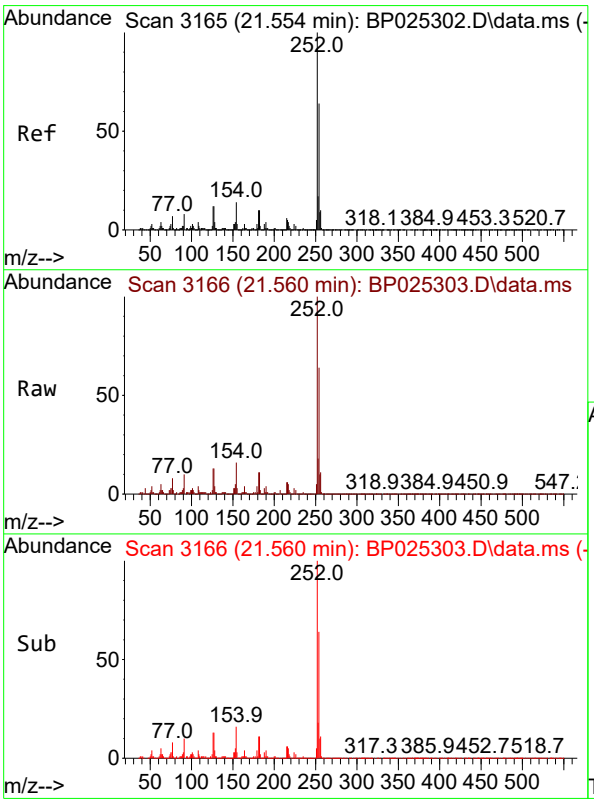
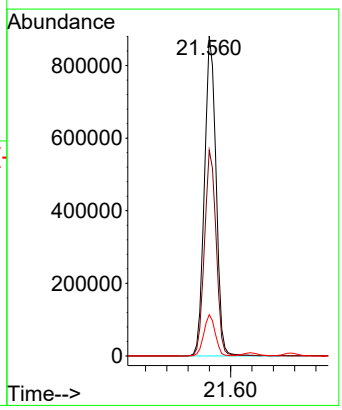
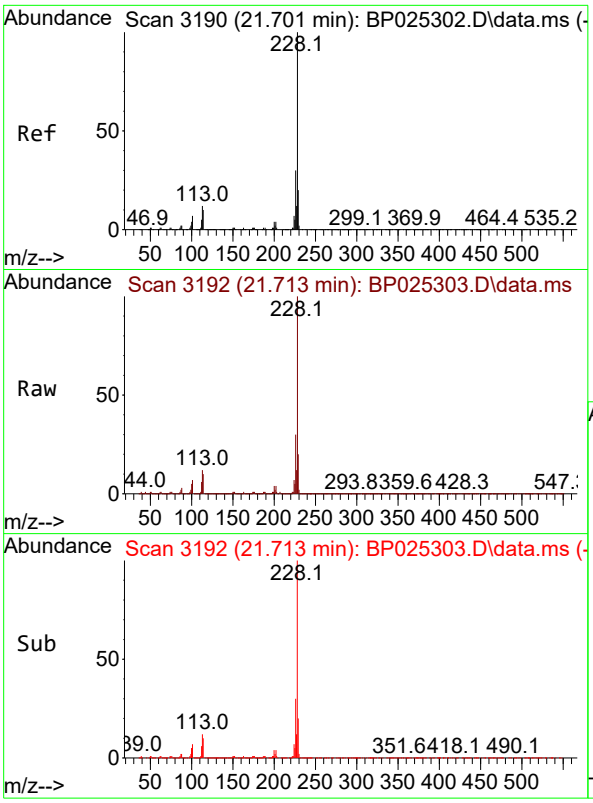


#82
3,3'-Dichlorobenzidine
Concen: 53.376 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 1334151

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.6
126	12.9	9.4	14.2

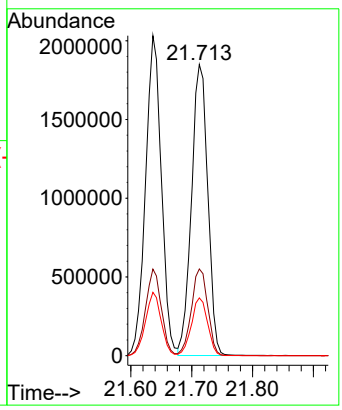




#83
Chrysene
Concen: 52.286 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:228 Resp: 343564

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
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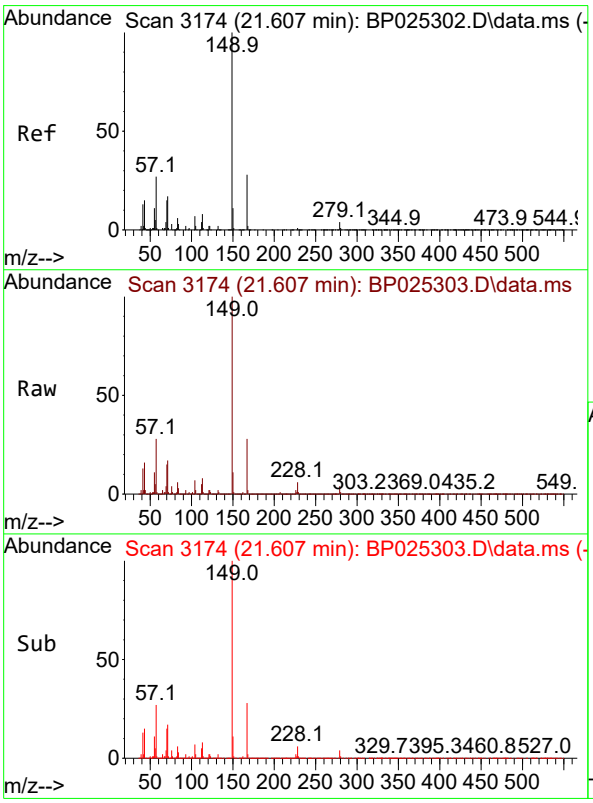
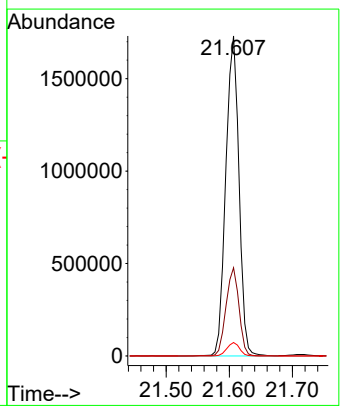
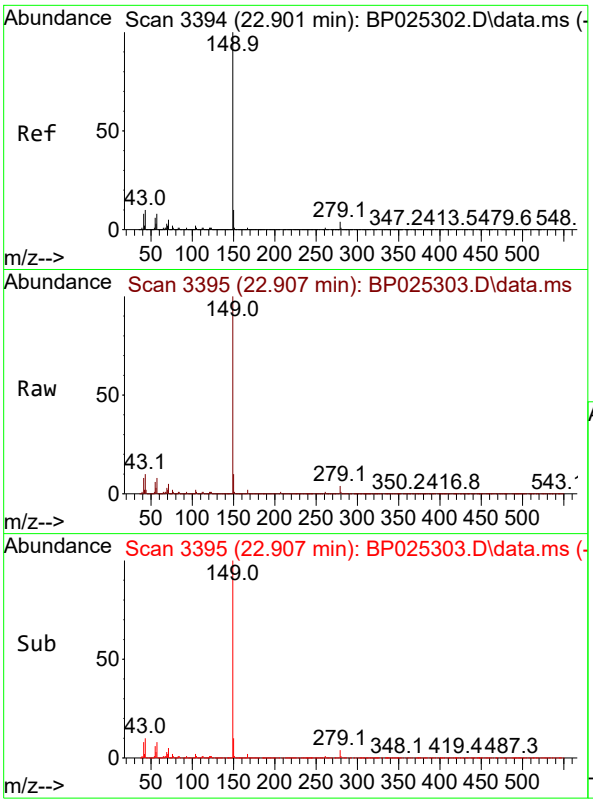


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.510 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2502532

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.2	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 53.530 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 411350

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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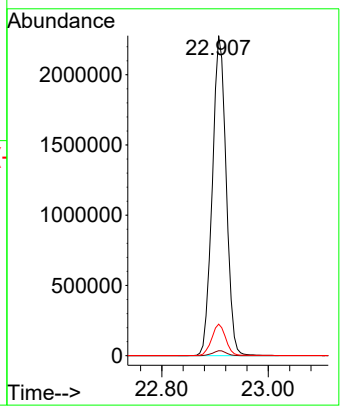
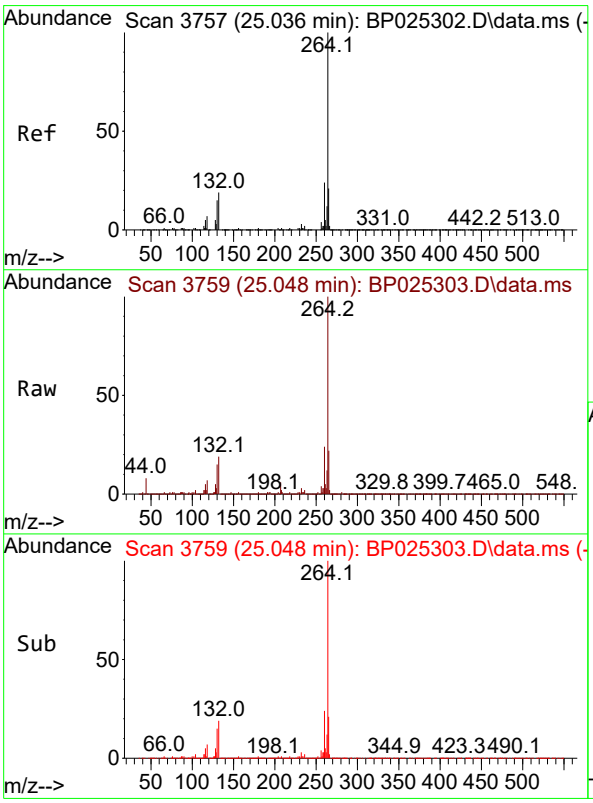
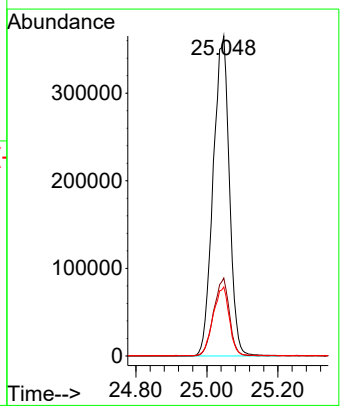


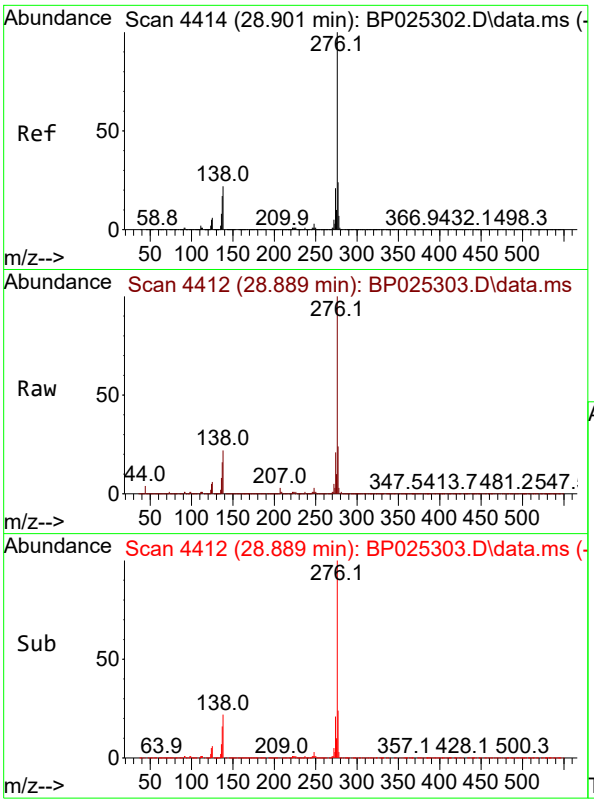


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:264 Resp: 1155535

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.1	25.7

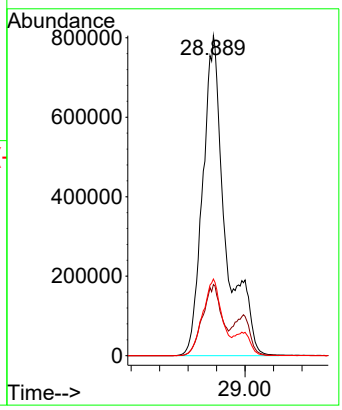




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.847 ng m
RT: 28.889 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:276 Resp: 446650

Ion	Ratio	Lower	Upper
276	100		
138	18.7	14.6	22.0
277	20.2	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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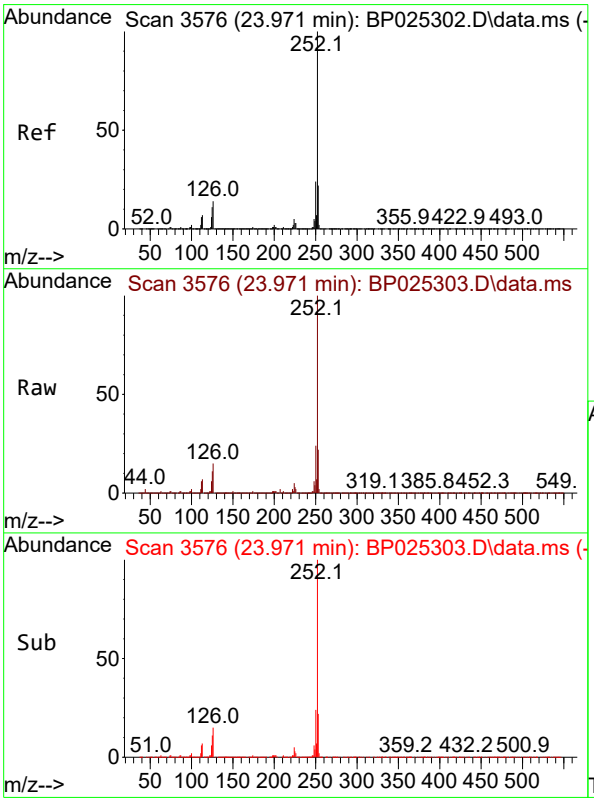
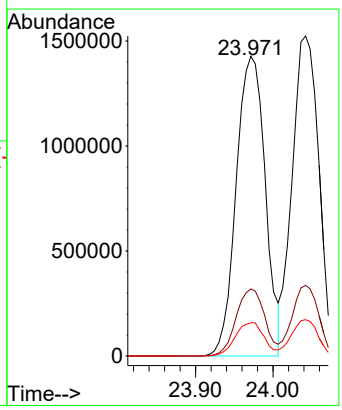
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

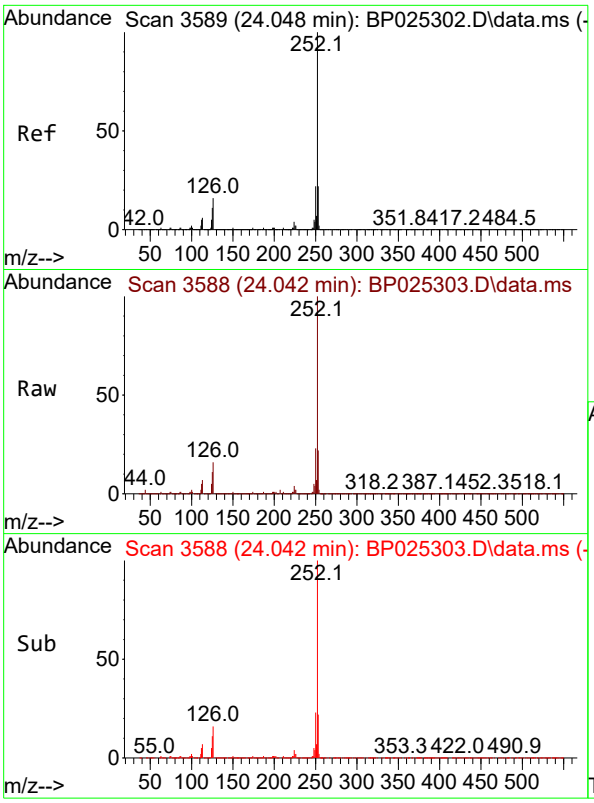


#88
Benzo(b)fluoranthene
Concen: 53.862 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3725745

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.0	8.5	12.7





#89
Benzo(k)fluoranthene
Concen: 53.234 ng
RT: 24.042 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

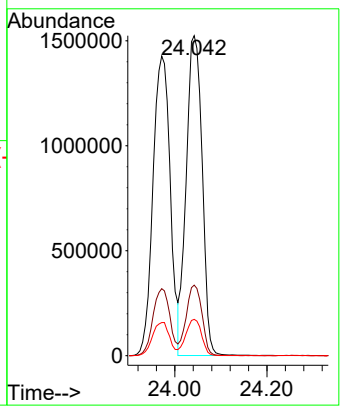
Tgt Ion:252 Resp: 365034

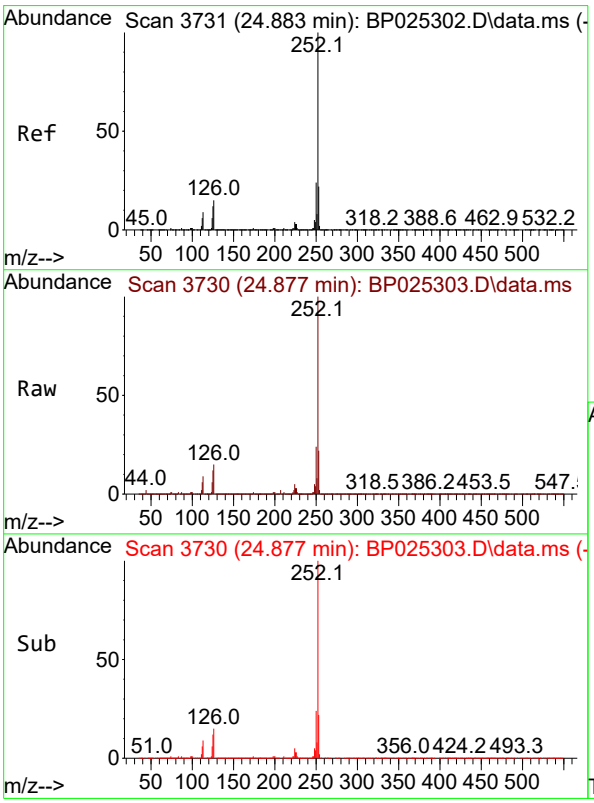
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	8.5	12.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

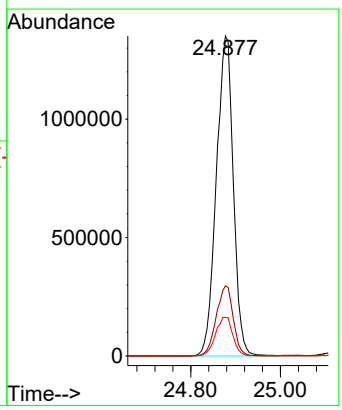


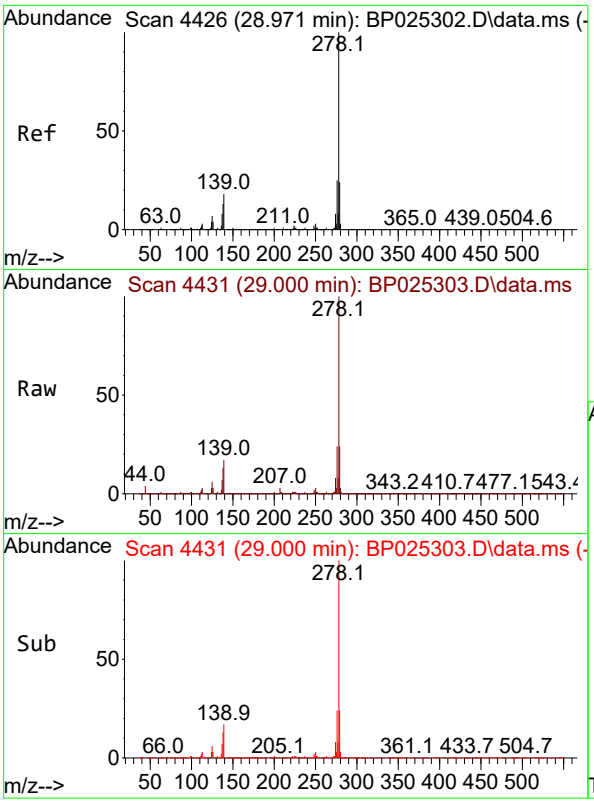


#90
Benzo(a)pyrene
Concen: 53.283 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3549437

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.1	9.4	14.0

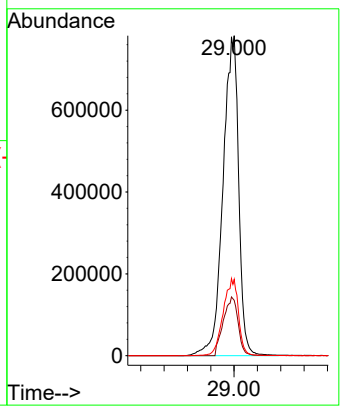




#91
Dibenzo(a,h)anthracene
Concen: 53.715 ng
RT: 29.000 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:278 Resp: 364360

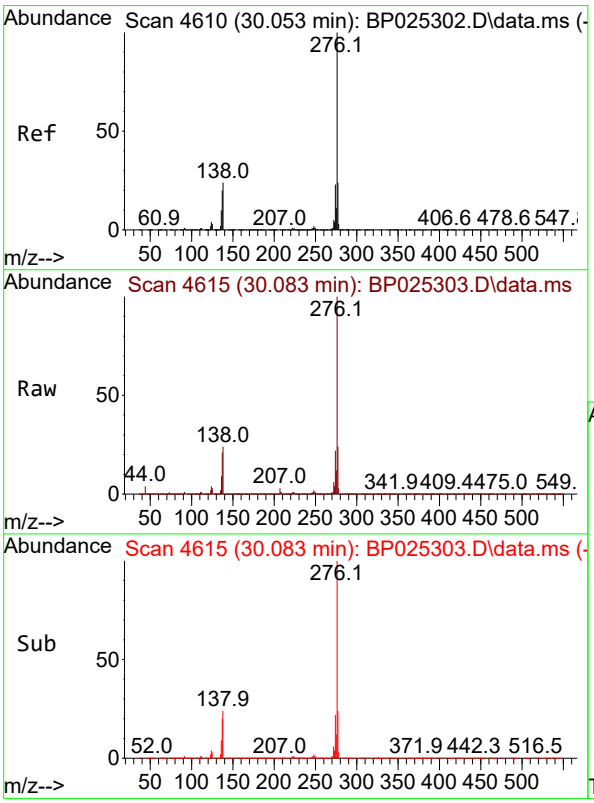
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.6	22.0
279	23.9	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

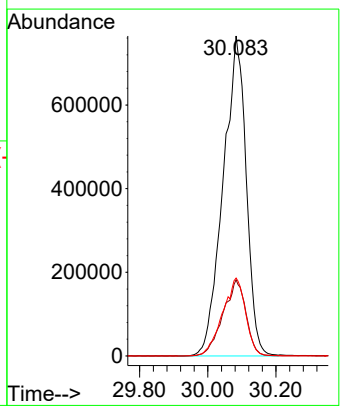
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 53.917 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:276 Resp: 3590382

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.3	28.9
138	24.3	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	209548	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	959140	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	627525	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1230027	20.000	ng		-0.02
76) Chrysene-d12	21.654	240	1185485	20.000	ng		0.00
86) Perylene-d12	25.030	264	1319773	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1618188	123.401	ng		0.00
7) Phenol-d6	6.966	99	2192788	126.763	ng		0.00
23) Nitrobenzene-d5	8.943	82	2266518	127.855	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	848230	130.917	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	5227983	115.685	ng		0.00
79) Terphenyl-d14	19.942	244	7232677	115.259	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	303060	58.945	ng		99
3) Pyridine	3.725	79	878078	61.471	ng		99
4) n-Nitrosodimethylamine	3.637	42	412444	62.193	ng		100
6) Aniline	7.137	93	1510421	64.169	ng		99
8) 2-Chlorophenol	7.372	128	919471	64.474	ng		99
9) Benzaldehyde	6.949	77	688637	56.545	ng		99
10) Phenol	6.996	94	1168723	63.704	ng		100
11) bis(2-Chloroethyl)ether	7.231	93	905011	62.958	ng		99
12) 1,3-Dichlorobenzene	7.696	146	978449	61.060	ng		99
13) 1,4-Dichlorobenzene	7.837	146	992921	61.246	ng		100
14) 1,2-Dichlorobenzene	8.149	146	967096	61.580	ng		99
15) Benzyl Alcohol	8.031	79	868233	65.324	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	1419539	62.512	ng		99
17) 2-Methylphenol	8.225	107	794670	64.734	ng		98
18) Hexachloroethane	8.878	117	362858	62.586	ng		99
19) n-Nitroso-di-n-propyla...	8.602	70	736360	65.363	ng		100
20) 3+4-Methylphenols	8.555	107	1102764	65.236	ng		98
22) Acetophenone	8.608	105	1441680	59.875	ng	#	98
24) Nitrobenzene	8.984	77	1032520	63.003	ng		100
25) Isophorone	9.508	82	2175760	63.135	ng		99
26) 2-Nitrophenol	9.684	139	449368	61.813	ng		99
27) 2,4-Dimethylphenol	9.743	122	964929	60.732	ng		97
28) bis(2-Chloroethoxy)met...	9.984	93	1295232	61.783	ng		99
29) 2,4-Dichlorophenol	10.213	162	905554	65.101	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	924791	60.262	ng		98
31) Naphthalene	10.625	128	3016986	60.593	ng		99
32) Benzoic acid	9.884	122	625232	61.911	ng		99
33) 4-Chloroaniline	10.719	127	1385599	62.570	ng		99
34) Hexachlorobutadiene	10.919	225	531051	60.284	ng		99
35) Caprolactam	11.490	113	356548	65.928	ng		97
36) 4-Chloro-3-methylphenol	11.837	107	1045051	64.929	ng		99
37) 2-Methylnaphthalene	12.231	142	1979064	61.409	ng		100
38) 1-Methylnaphthalene	12.449	142	2032006	60.428	ng		99
40) 1,2,4,5-Tetrachloroben...	12.596	216	1020686	59.576	ng		99
41) Hexachlorocyclopentadiene	12.584	237	668954	63.265	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	726236	65.619	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

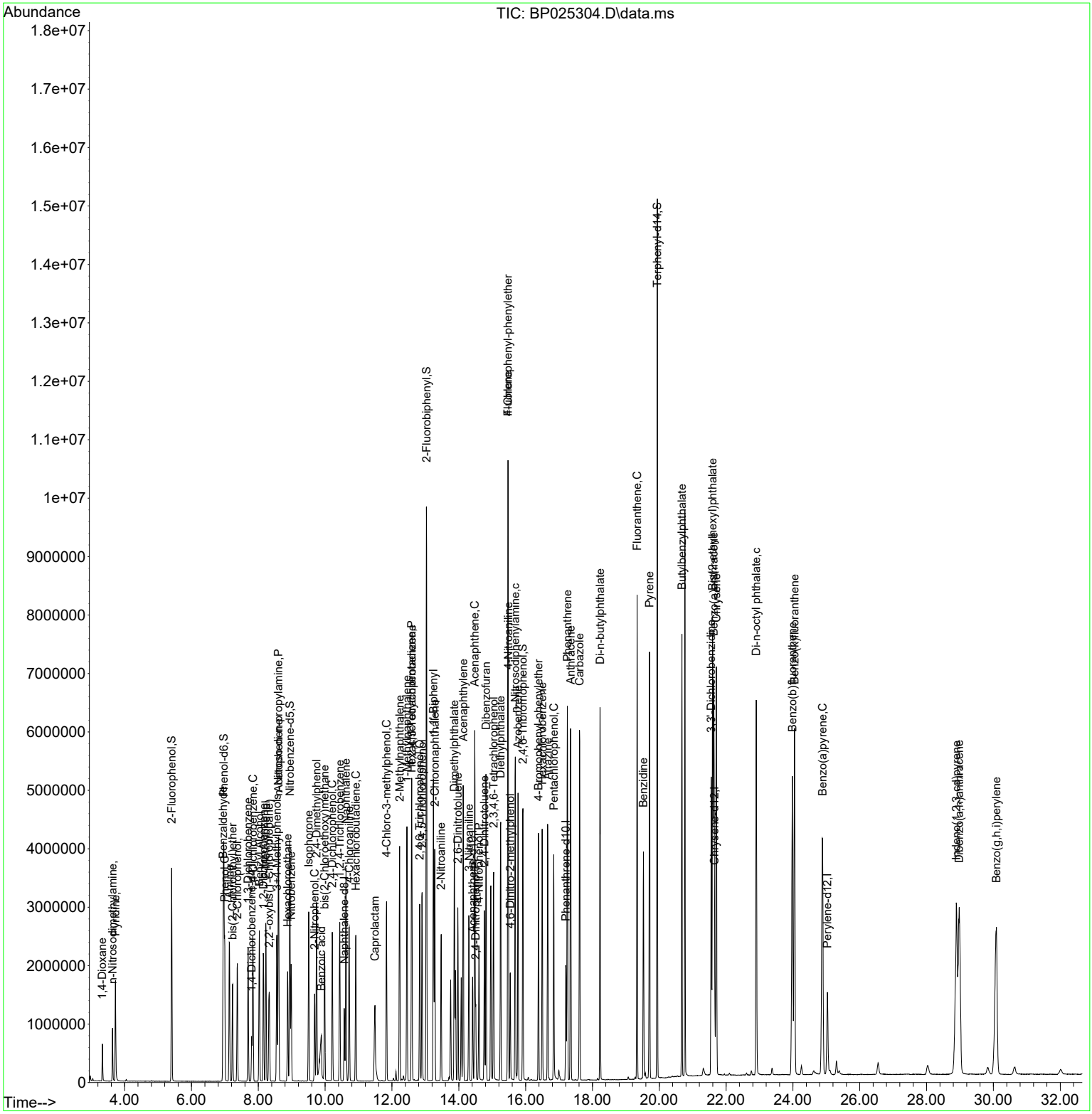
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	823738	66.349	ng		99
46) 1,1'-Biphenyl	13.243	154	2736817	59.180	ng		100
47) 2-Chloronaphthalene	13.284	162	2116700	59.994	ng		99
48) 2-Nitroaniline	13.472	65	642446	61.286	ng		97
49) Acenaphthylene	14.131	152	3558282	60.462	ng		99
50) Dimethylphthalate	13.866	163	2775097	60.663	ng		100
51) 2,6-Dinitrotoluene	13.972	165	581905	68.963	ng		99
52) Acenaphthene	14.478	154	2158962	60.143	ng		100
53) 3-Nitroaniline	14.301	138	677122	68.579	ng		100
54) 2,4-Dinitrophenol	14.507	184	242217	60.748	ng	#	53
55) Dibenzofuran	14.813	168	3200254	59.657	ng		99
56) 4-Nitrophenol	14.601	139	579797	66.536	ng		98
57) 2,4-Dinitrotoluene	14.766	165	813557	61.234	ng		95
58) Fluorene	15.472	166	2418012	57.390	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	689750	66.118	ng		99
60) Diethylphthalate	15.254	149	2839454	61.567	ng		100
61) 4-Chlorophenyl-phenyle...	15.472	204	1156422	57.895	ng		99
62) 4-Nitroaniline	15.484	138	647932	66.228	ng		97
63) Azobenzene	15.772	77	2589928	60.449	ng		100
65) 4,6-Dinitro-2-methylph...	15.542	198	375536	62.146	ng		98
66) n-Nitrosodiphenylamine	15.690	169	2301050	61.440	ng		99
67) 4-Bromophenyl-phenylether	16.389	248	768935	62.130	ng		97
68) Hexachlorobenzene	16.495	284	851862	61.343	ng		99
69) Atrazine	16.660	200	844409	64.112	ng		99
70) Pentachlorophenol	16.842	266	589352	66.613	ng		99
71) Phenanthrene	17.248	178	4047515	60.079	ng		99
72) Anthracene	17.348	178	4216676	62.075	ng		100
73) Carbazole	17.613	167	3935735	60.358	ng		100
74) Di-n-butylphthalate	18.231	149	5052062	64.043	ng		99
75) Fluoranthene	19.336	202	4678502	59.989	ng		99
77) Benzidine	19.525	184	2283507	53.219	ng		100
78) Pyrene	19.707	202	4794722	60.822	ng		100
80) Butylbenzylphthalate	20.677	149	2245879	70.246	ng		98
81) Benzo(a)anthracene	21.630	228	4797252	60.895	ng		100
82) 3,3'-Dichlorobenzidine	21.554	252	1711974	61.593	ng		98
83) Chrysene	21.707	228	4446807	60.859	ng		100
84) Bis(2-ethylhexyl)phtha...	21.595	149	3432511	67.236	ng		100
85) Di-n-octyl phthalate	22.901	149	5809639	67.988	ng		99
87) Indeno(1,2,3-cd)pyrene	28.895	276	5916006	62.446	ng		97
88) Benzo(b)fluoranthene	23.983	252	4819606	61.005	ng		99
89) Benzo(k)fluoranthene	24.048	252	4789778	61.158	ng		100
90) Benzo(a)pyrene	24.889	252	4712258	61.936	ng		99
91) Dibenzo(a,h)anthracene	28.977	278	4826446	62.298	ng		99
92) Benzo(g,h,i)perylene	30.089	276	4694995	61.731	ng		99

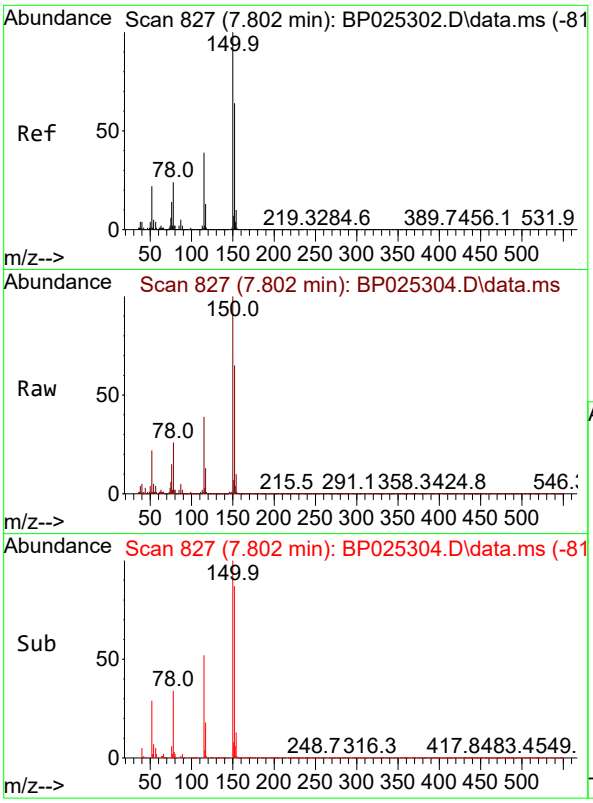
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025304.D
Acq On : 05 Aug 2025 16:10
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 06 06:03:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



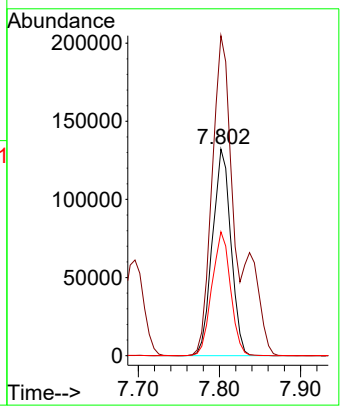


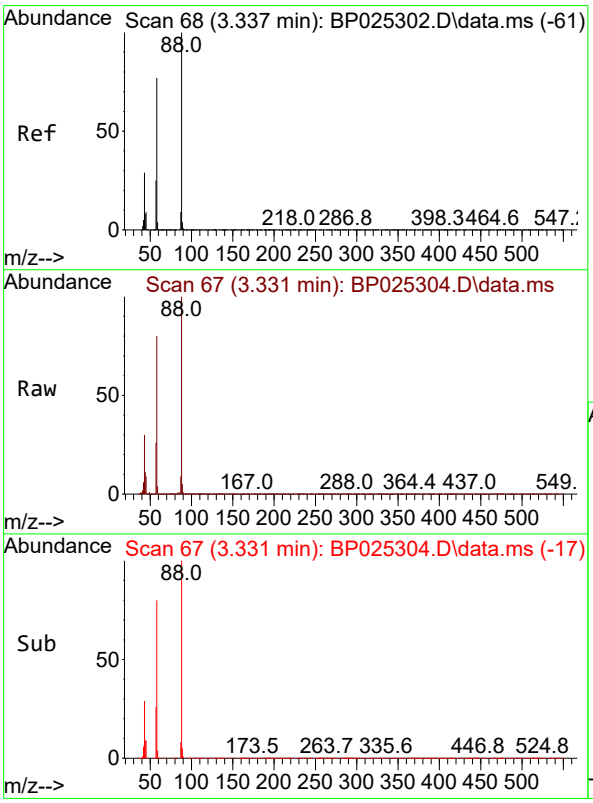
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 209548

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.1	187.7
115	60.0	48.4	72.6

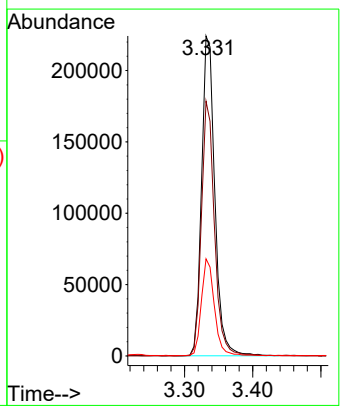


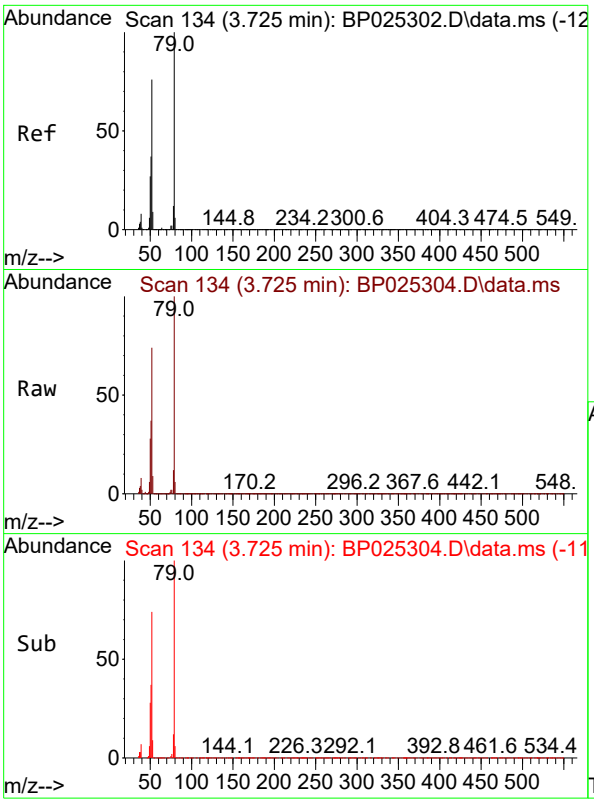


#2
1,4-Dioxane
Concen: 58.945 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 88 Resp: 303060

Ion	Ratio	Lower	Upper
88	100		
58	78.5	61.9	92.9
43	29.8	24.2	36.2



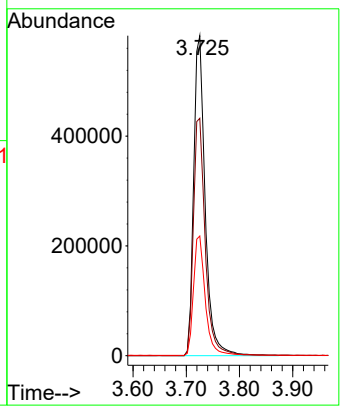


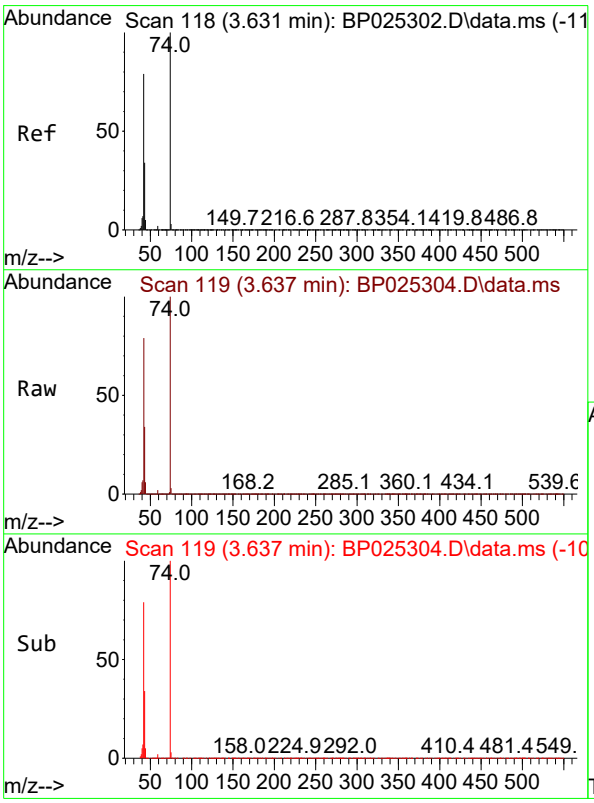
#3
Pyridine
Concen: 61.471 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 878078

Ion	Ratio	Lower	Upper
79	100		
52	74.2	60.5	90.7
51	37.4	30.2	45.2

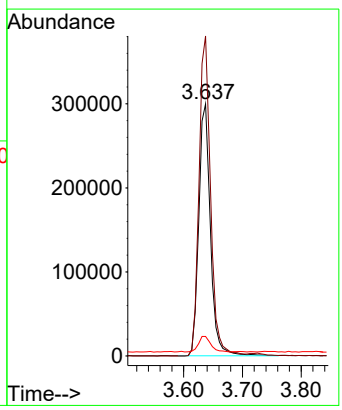


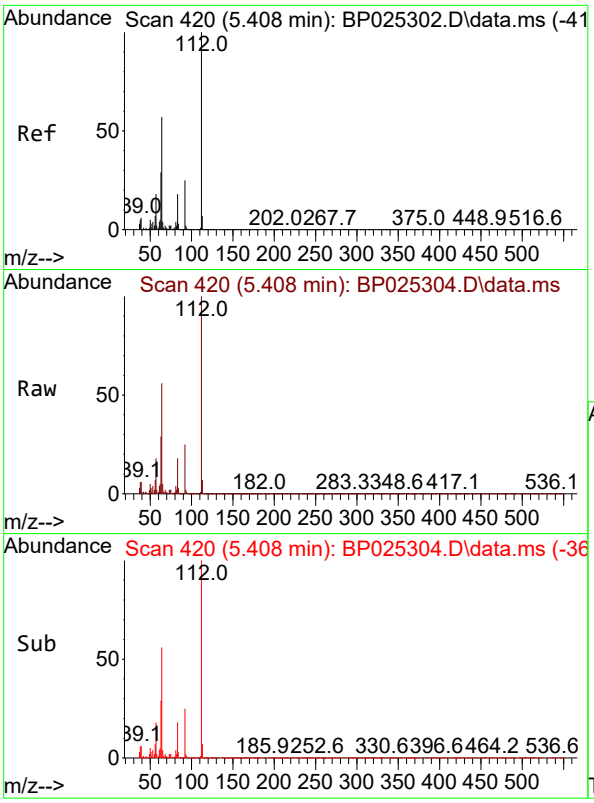


#4
n-Nitrosodimethylamine
Concen: 62.193 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 42 Resp: 412444

Ion	Ratio	Lower	Upper
42	100		
74	127.0	101.4	152.2
44	7.8	7.6	11.4



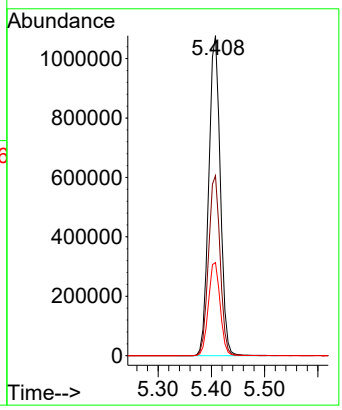


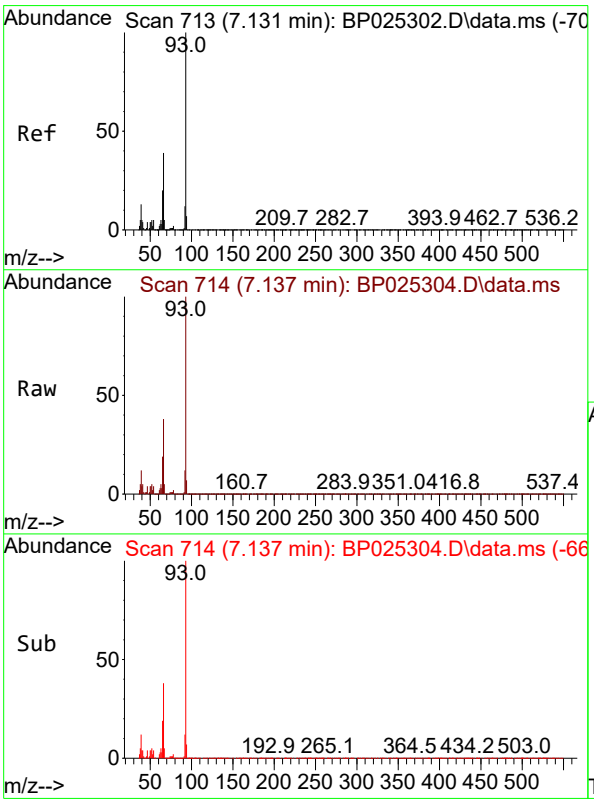
#5
2-Fluorophenol
Concen: 123.401 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1618188

Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	29.1	23.0	34.6

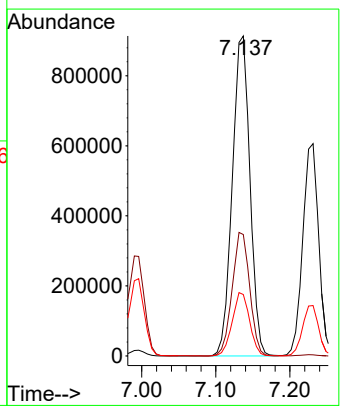


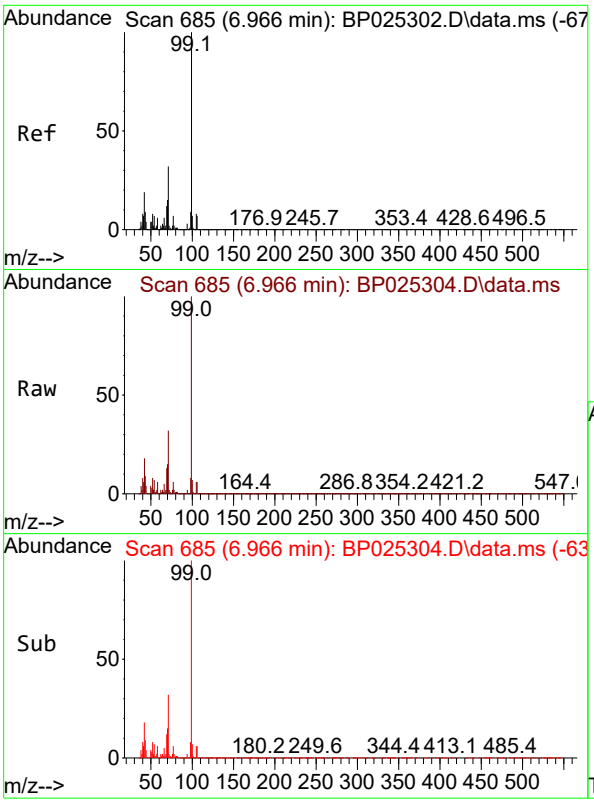


#6
Aniline
Concen: 64.169 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 93 Resp: 1510421

Ion	Ratio	Lower	Upper
93	100		
66	37.9	31.1	46.7
65	19.2	15.8	23.8



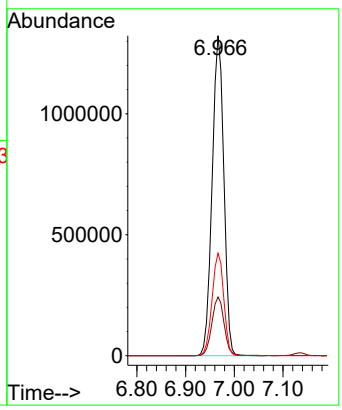


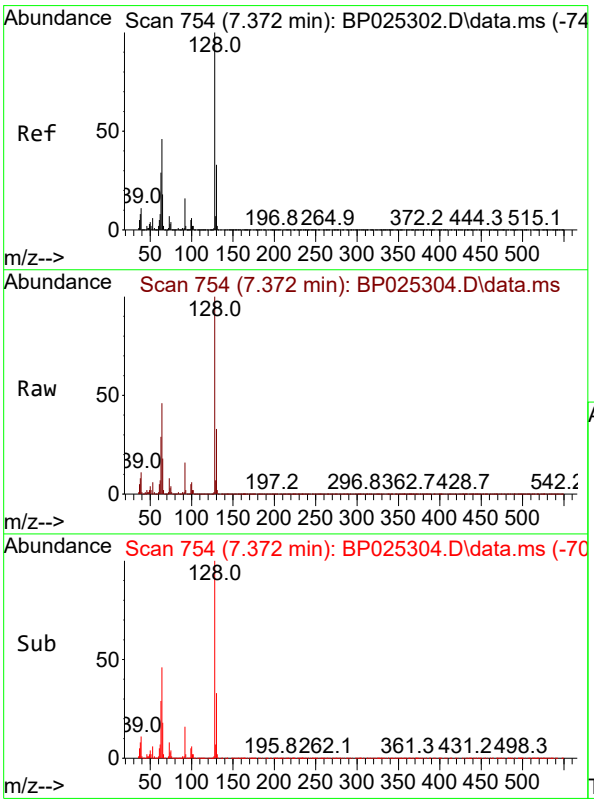
#7
Phenol-d6
Concen: 126.763 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2192788

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.6
71	32.0	25.5	38.3

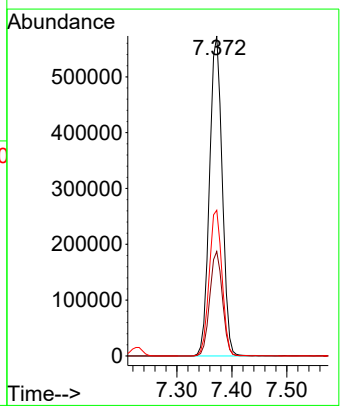


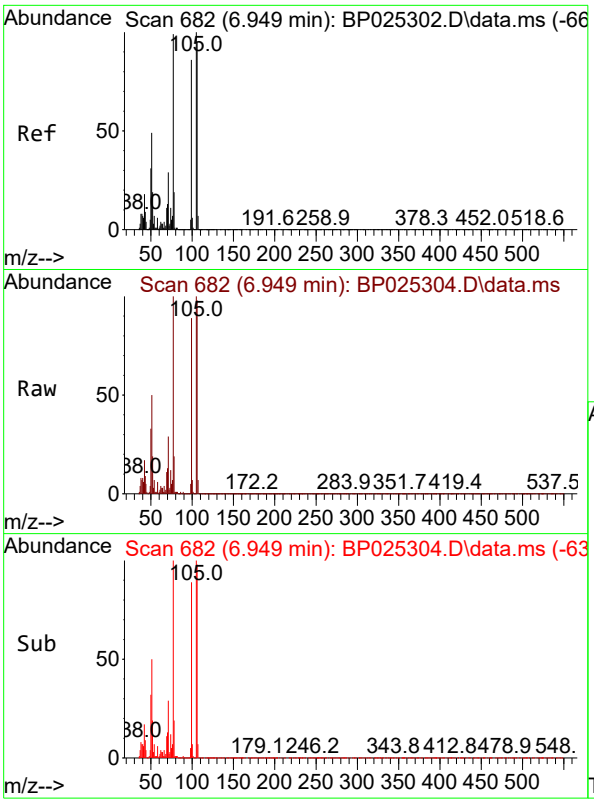


#8
2-Chlorophenol
Concen: 64.474 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:128 Resp: 919471

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	45.6	26.1	66.1



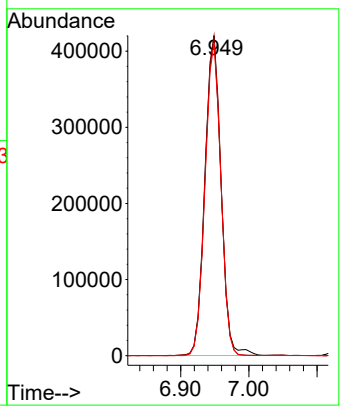


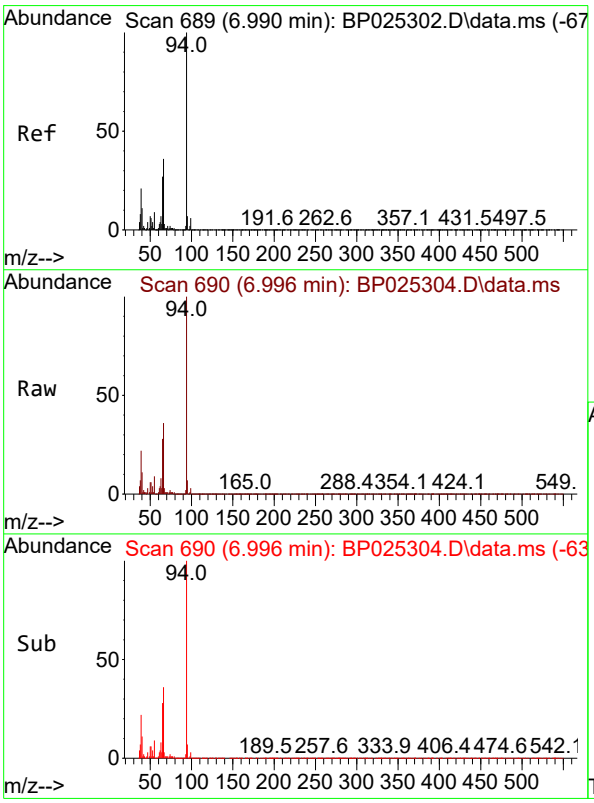
#9
Benzaldehyde
Concen: 56.545 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 688637

Ion	Ratio	Lower	Upper
77	100		
105	100.0	81.4	121.4
106	97.7	76.2	116.2

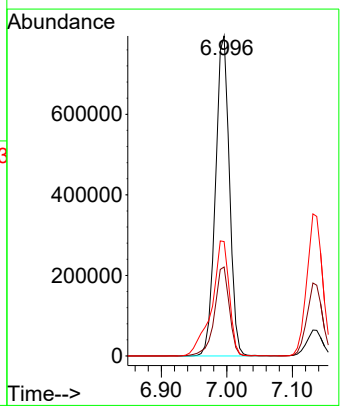


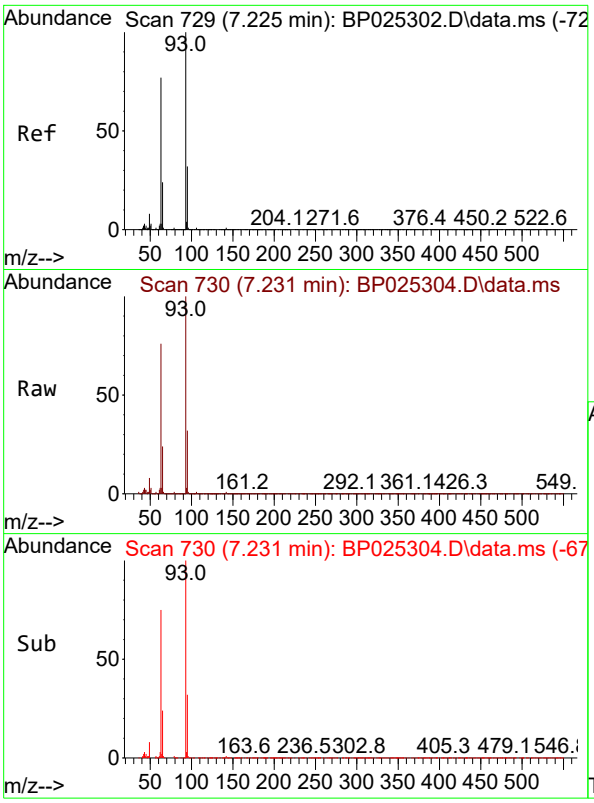


#10
Phenol
Concen: 63.704 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 94 Resp: 1168723

Ion	Ratio	Lower	Upper
94	100		
65	27.8	7.3	47.3
66	35.8	15.7	55.7



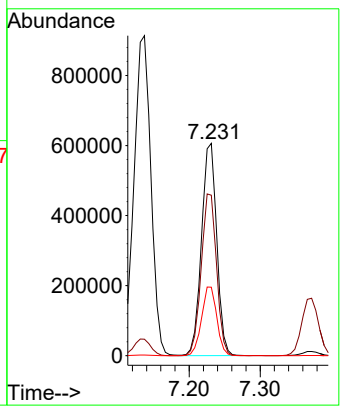


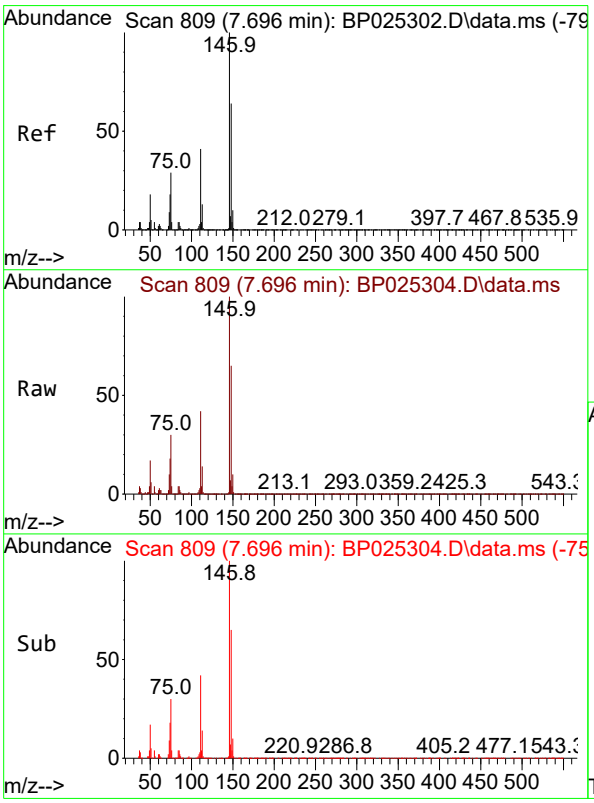
#11
bis(2-Chloroethyl)ether
Concen: 62.958 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 905011

Ion	Ratio	Lower	Upper
93	100		
63	75.6	57.0	97.0
95	32.3	12.1	52.1

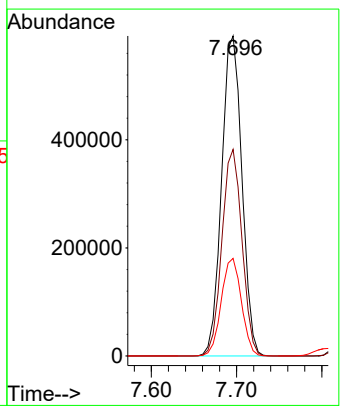


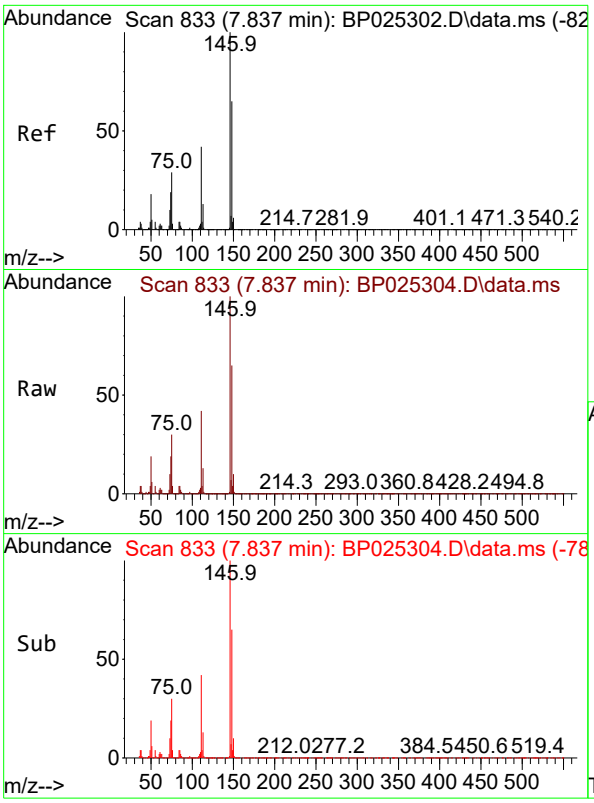


#12
1,3-Dichlorobenzene
Concen: 61.060 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:146 Resp: 978449

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
75	30.5	23.2	34.8



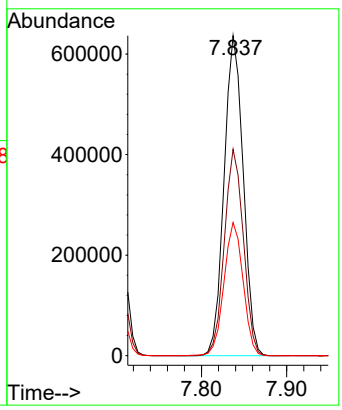


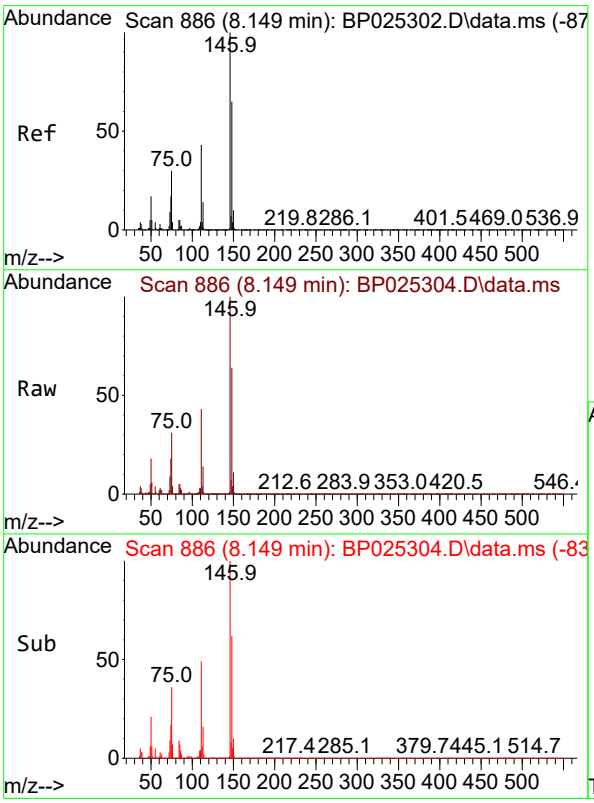
#13
1,4-Dichlorobenzene
Concen: 61.246 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 992921

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.0	78.0
111	41.6	33.2	49.8

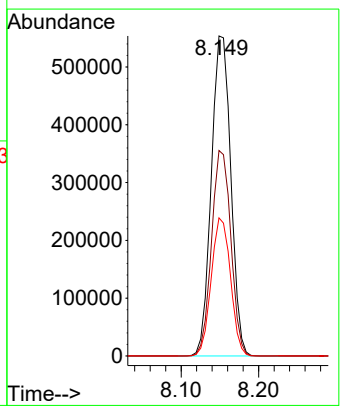


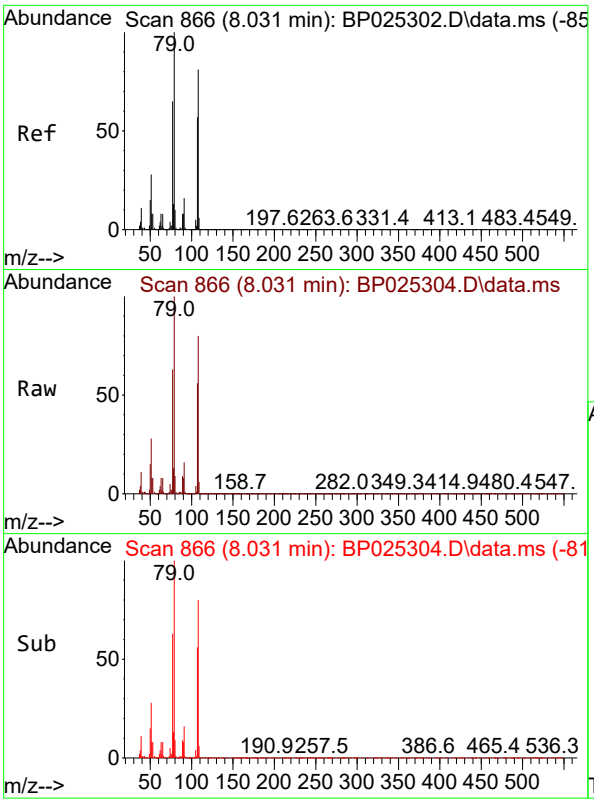


#14
1,2-Dichlorobenzene
Concen: 61.580 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:146 Resp: 967096

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	43.2	34.4	51.6



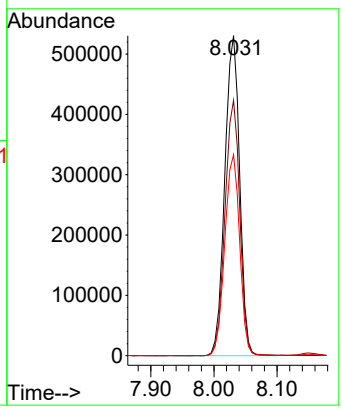


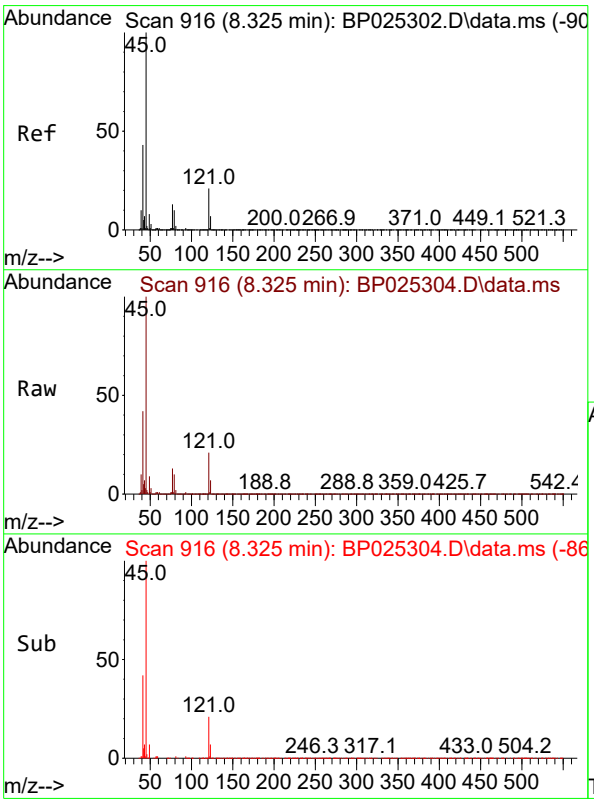
#15
Benzyl Alcohol
Concen: 65.324 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 868233

Ion	Ratio	Lower	Upper
79	100		
108	79.8	64.5	96.7
77	62.8	51.9	77.9

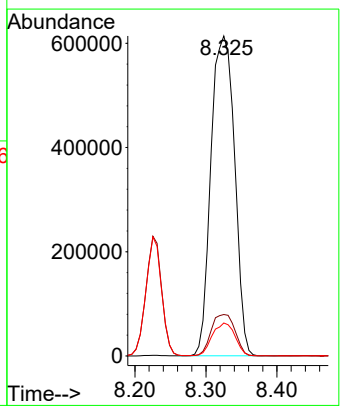


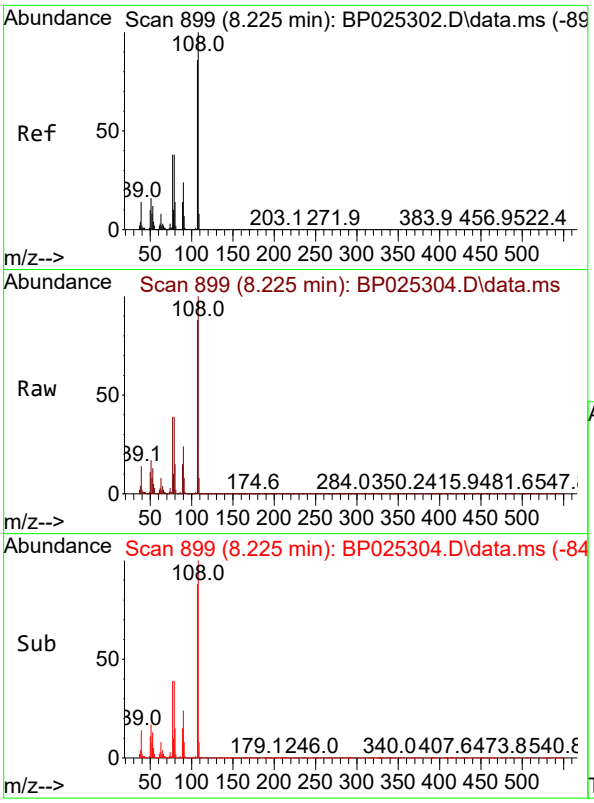


#16
2,2'-oxybis(1-Chloropropane)
Concen: 62.512 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 45 Resp: 1419539

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.0
79	10.3	0.0	29.8



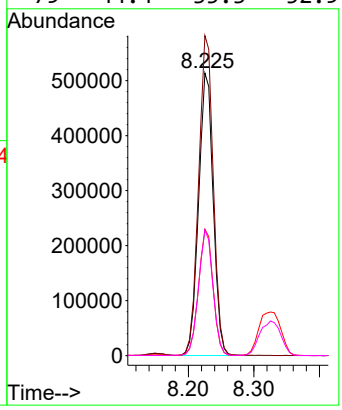


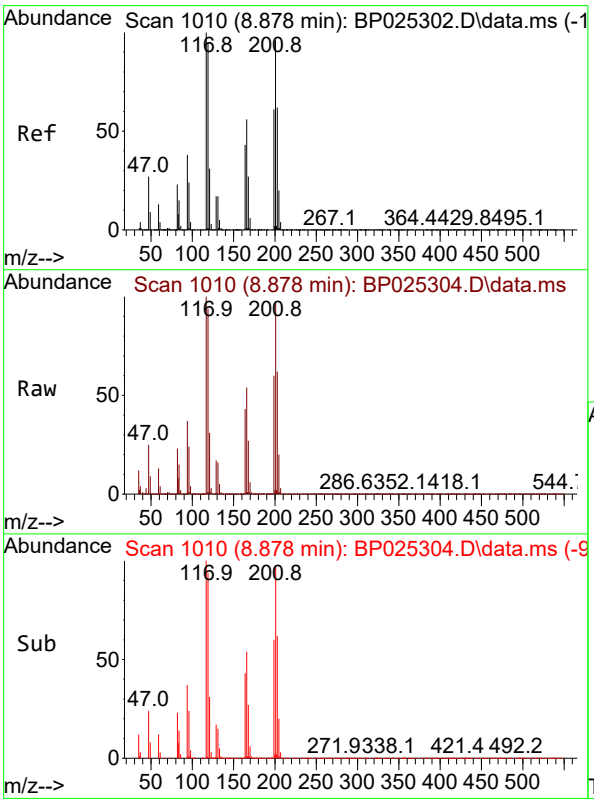
#17
2-Methylphenol
Concen: 64.734 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 794670

Ion	Ratio	Lower	Upper
107	100		
108	113.2	92.6	139.0
77	44.7	35.4	53.2
79	44.4	35.3	52.9

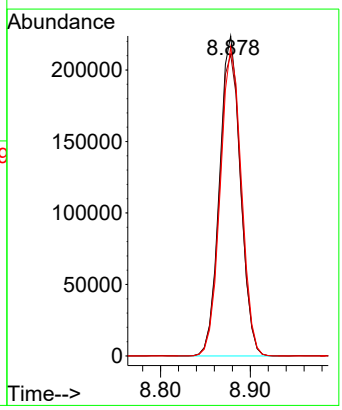


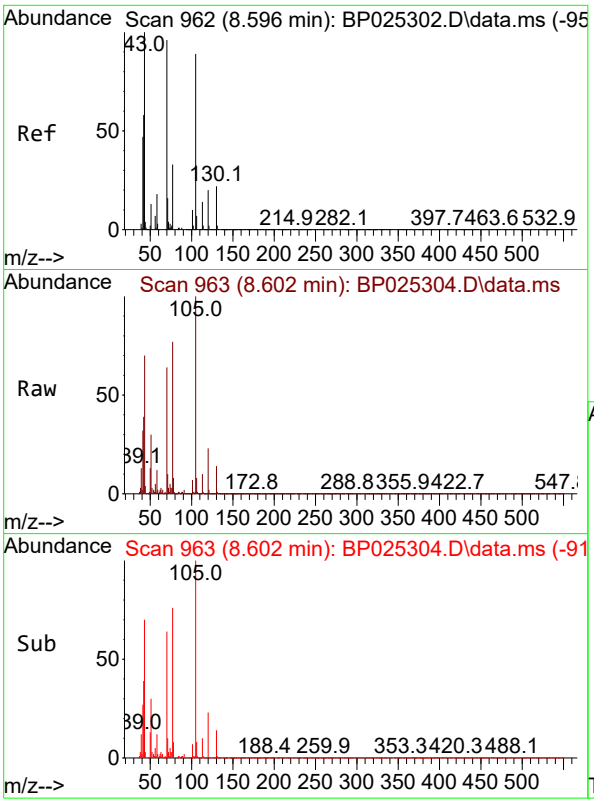


#18
Hexachloroethane
Concen: 62.586 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:117 Resp: 362858

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
201	96.5	76.6	114.8



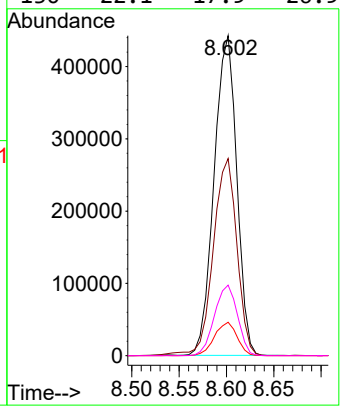


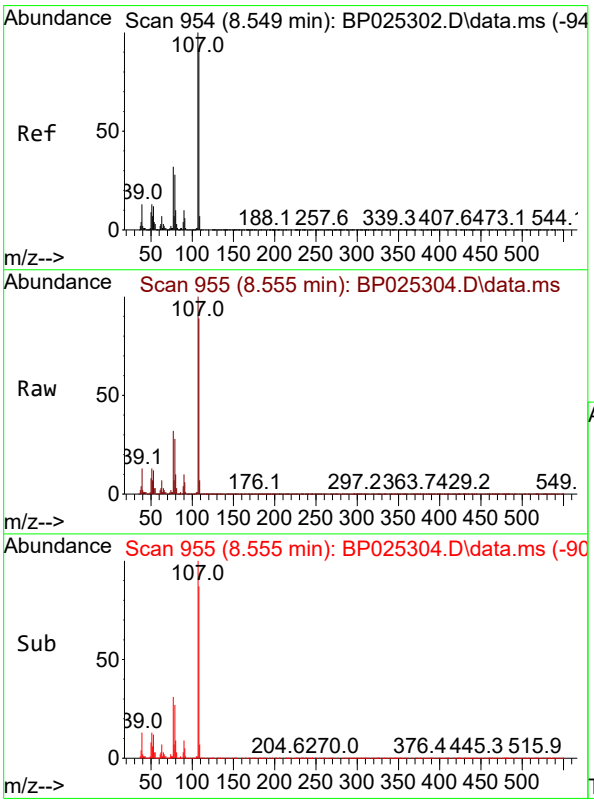
#19
n-Nitroso-di-n-propylamine
Concen: 65.363 ng
RT: 8.602 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 736360

Ion	Ratio	Lower	Upper
70	100		
42	61.6	49.4	74.0
101	10.5	7.9	11.9
130	22.1	17.9	26.9

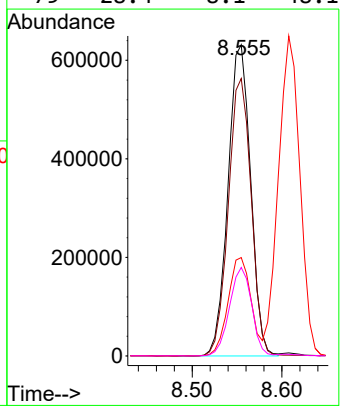


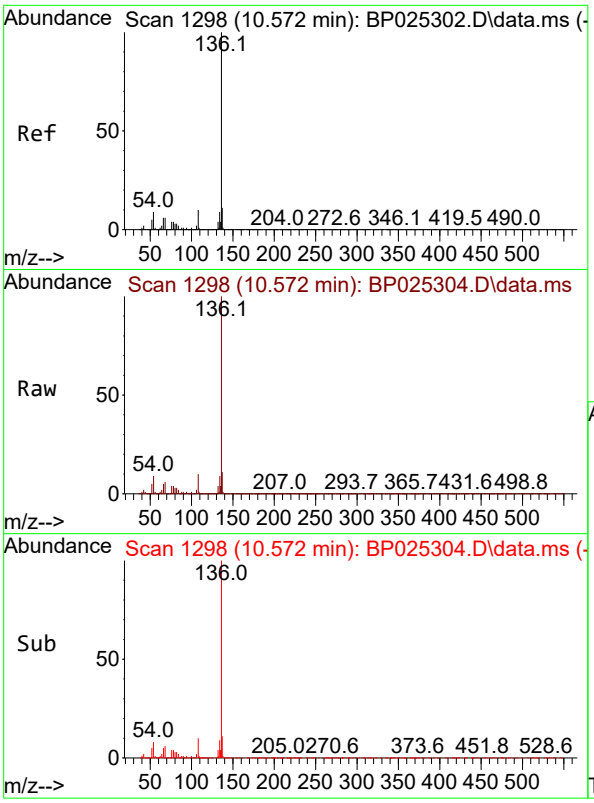


#20
3+4-Methylphenols
Concen: 65.236 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:107 Resp: 1102764

Ion	Ratio	Lower	Upper
107	100		
108	89.1	71.9	111.9
77	31.6	12.0	52.0
79	28.4	8.1	48.1



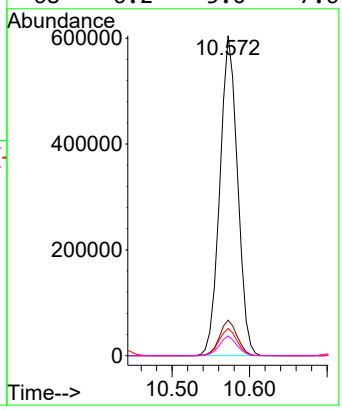


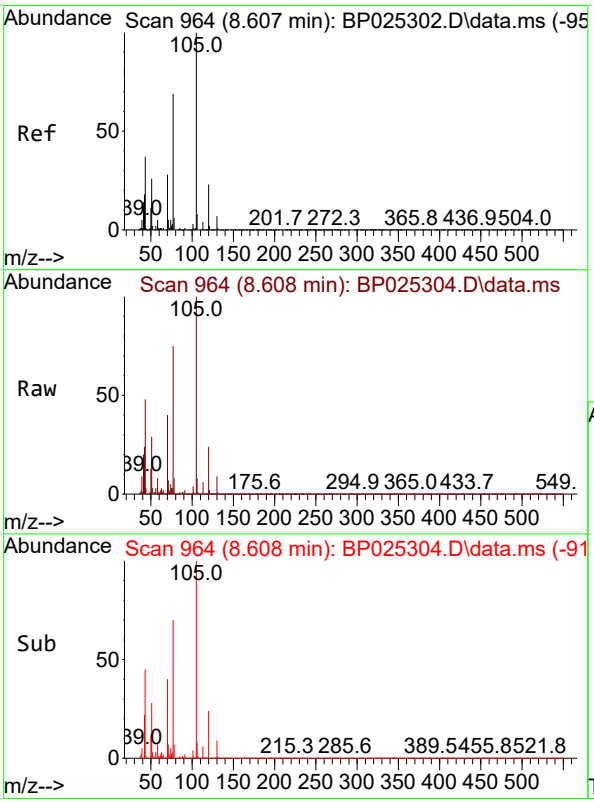
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 959140

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	7.0	10.6
68	6.2	5.0	7.6

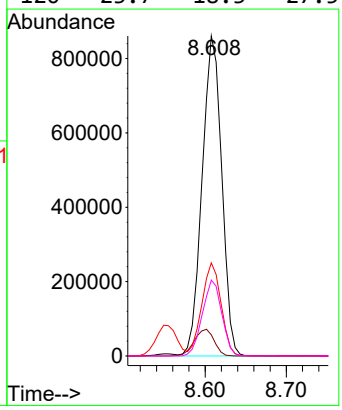


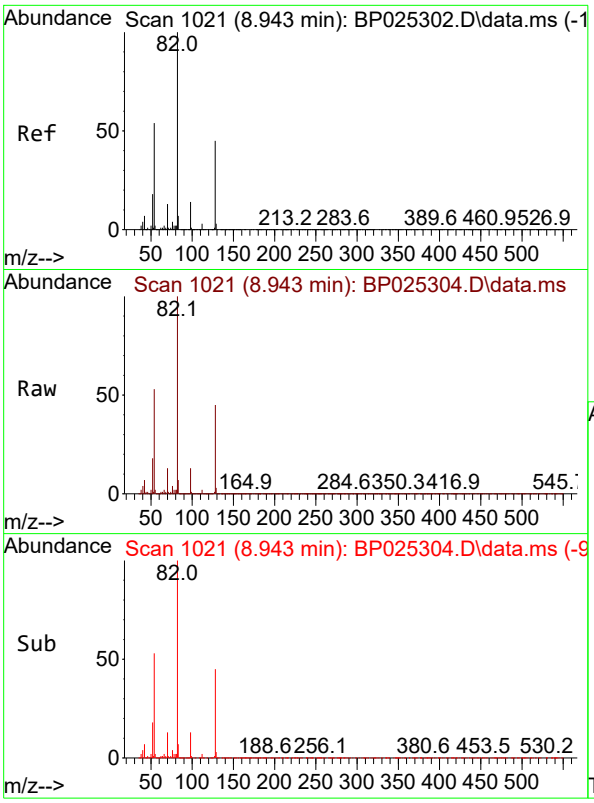


#22
Acetophenone
Concen: 59.875 ng
RT: 8.608 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:105 Resp: 1441680

Ion	Ratio	Lower	Upper
105	100		
71	6.6	4.1	6.1#
51	29.1	22.7	34.1
120	23.7	18.3	27.5



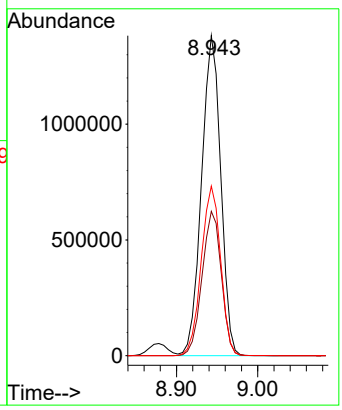


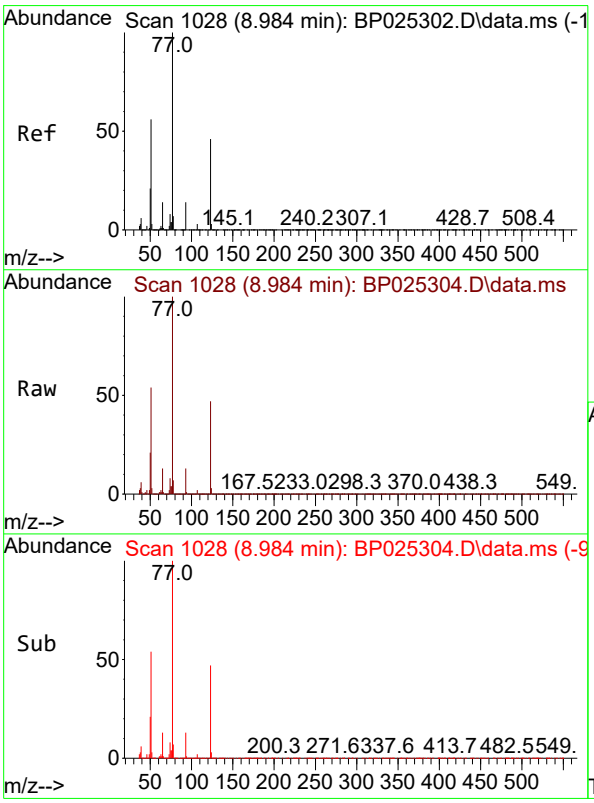
#23
Nitrobenzene-d5
Concen: 127.855 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2266518

Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.4	53.2
54	53.0	42.9	64.3

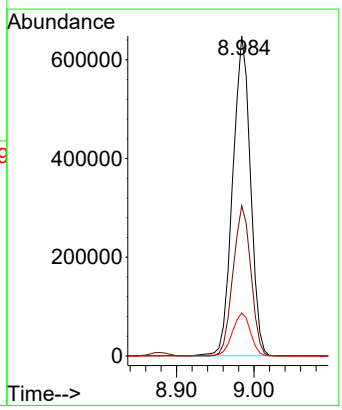


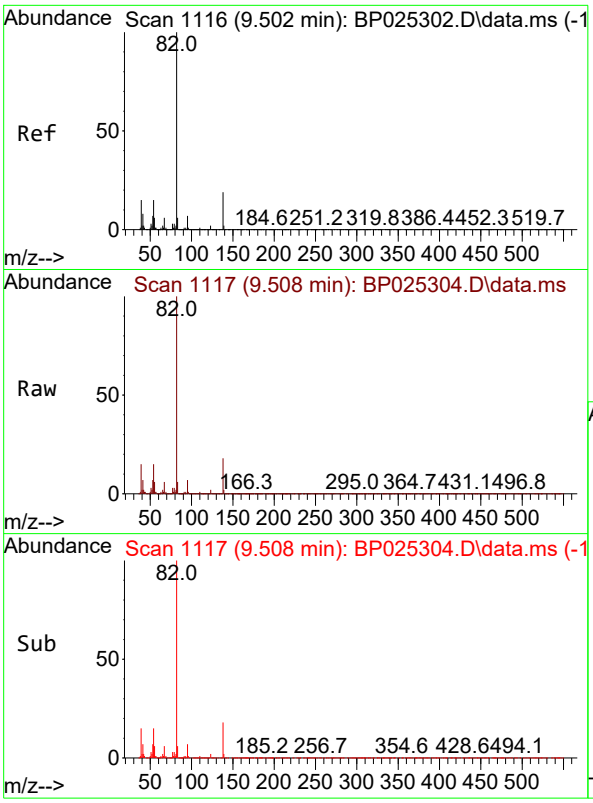


#24
Nitrobenzene
Concen: 63.003 ng
RT: 8.984 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 77 Resp: 1032520

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.4	56.2
65	13.4	11.1	16.7



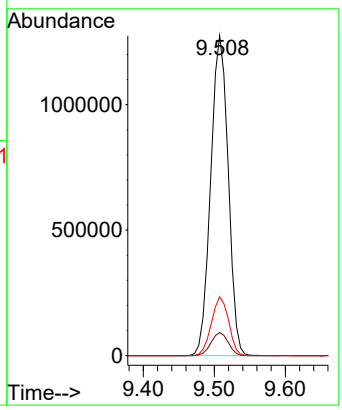


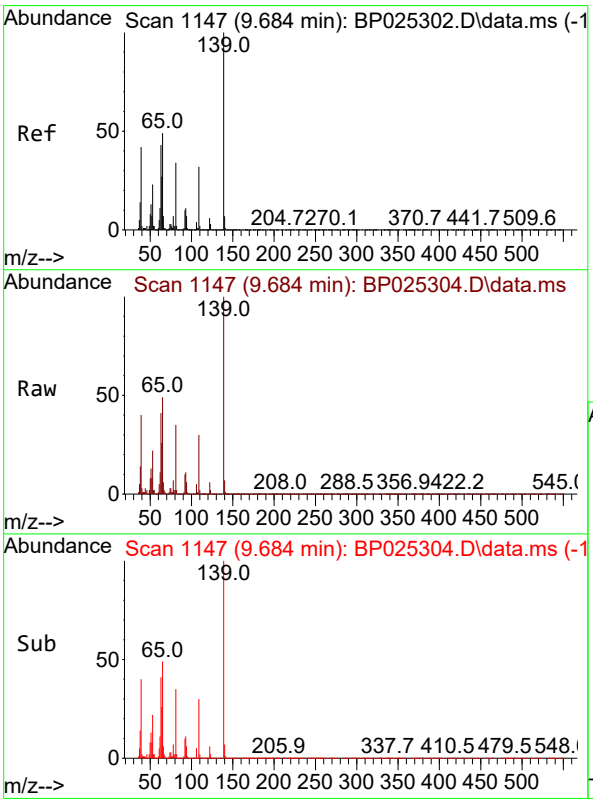
#25
Isophorone
Concen: 63.135 ng
RT: 9.508 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2175760

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.4	15.0	22.6

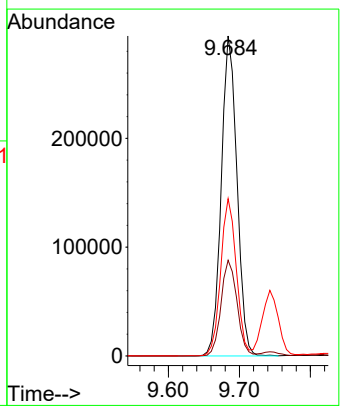


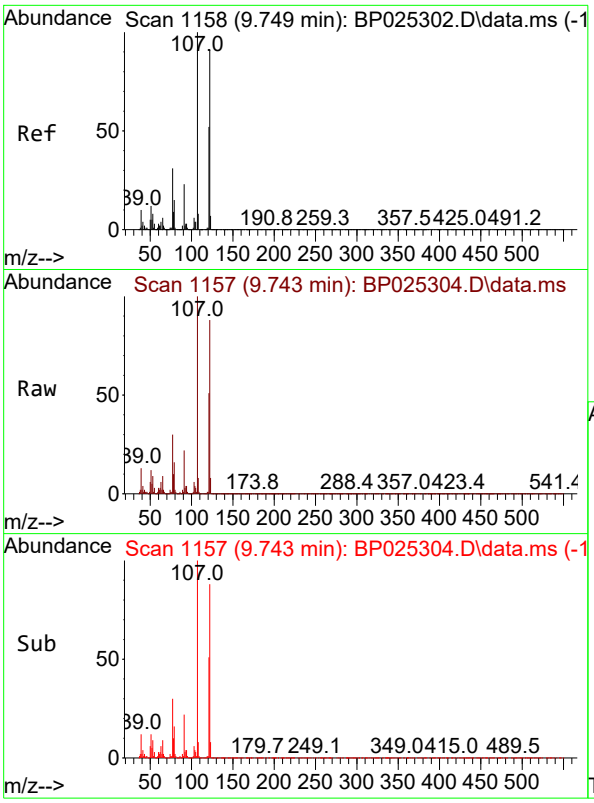


#26
2-Nitrophenol
Concen: 61.813 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:139 Resp: 449368

Ion	Ratio	Lower	Upper
139	100		
109	29.9	25.2	37.8
65	49.2	39.6	59.4



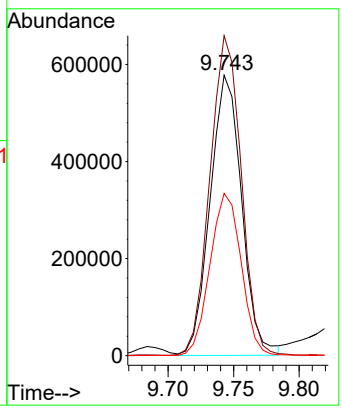


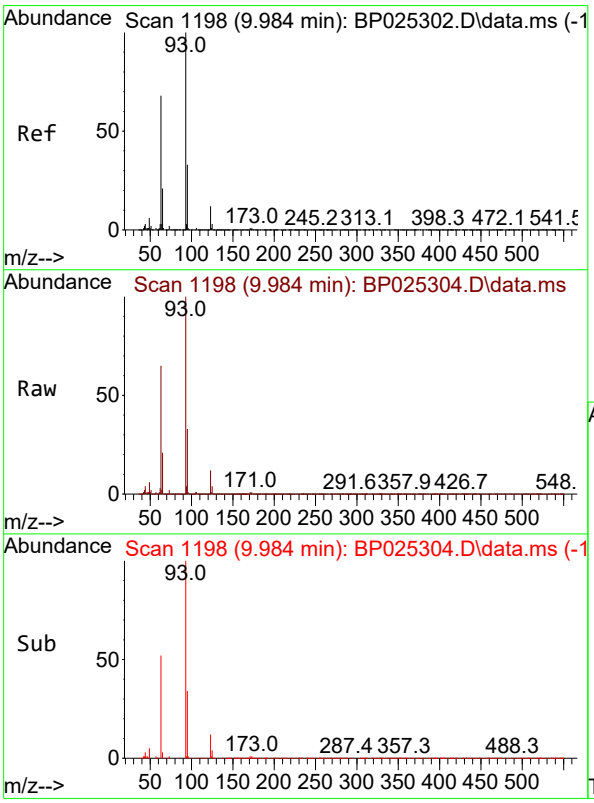
#27
2,4-Dimethylphenol
Concen: 60.732 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 964929

Ion	Ratio	Lower	Upper
122	100		
107	114.1	87.4	131.0
121	57.9	45.8	68.8

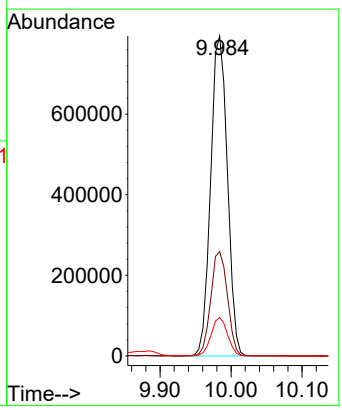


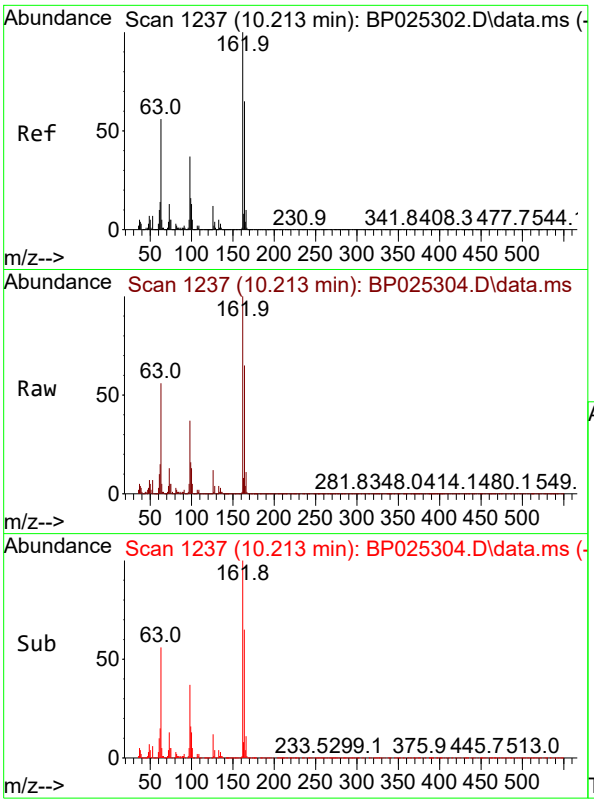


#28
bis(2-Chloroethoxy)methane
Concen: 61.783 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 93 Resp: 1295232

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.5	39.7
123	12.0	9.4	14.2



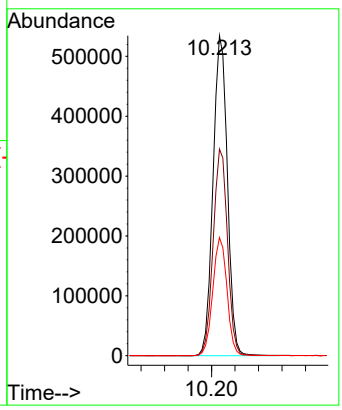


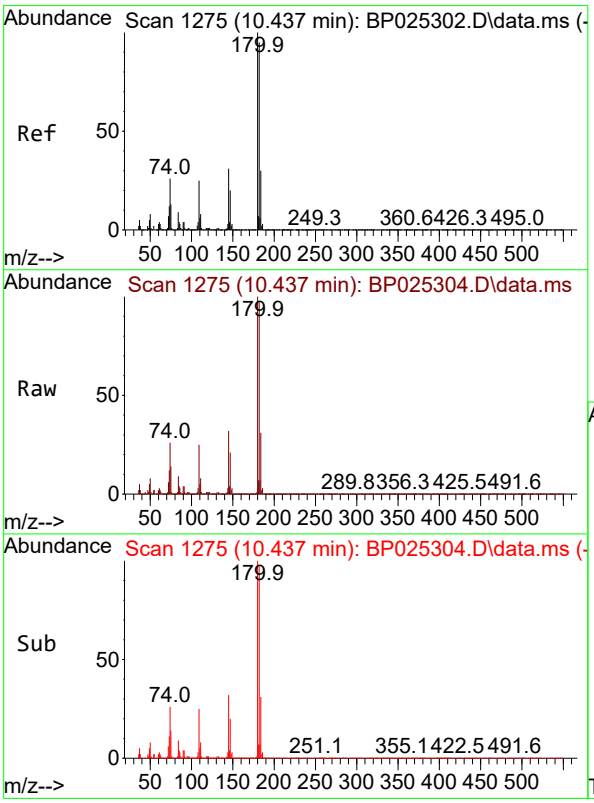
#29
2,4-Dichlorophenol
Concen: 65.101 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 905554

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.2	85.2
98	36.9	17.5	57.5

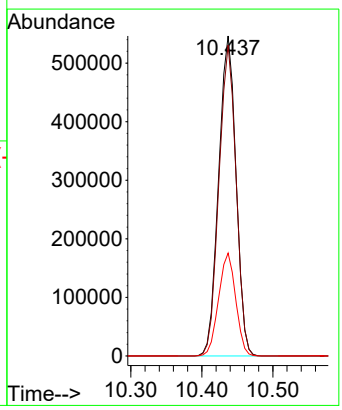


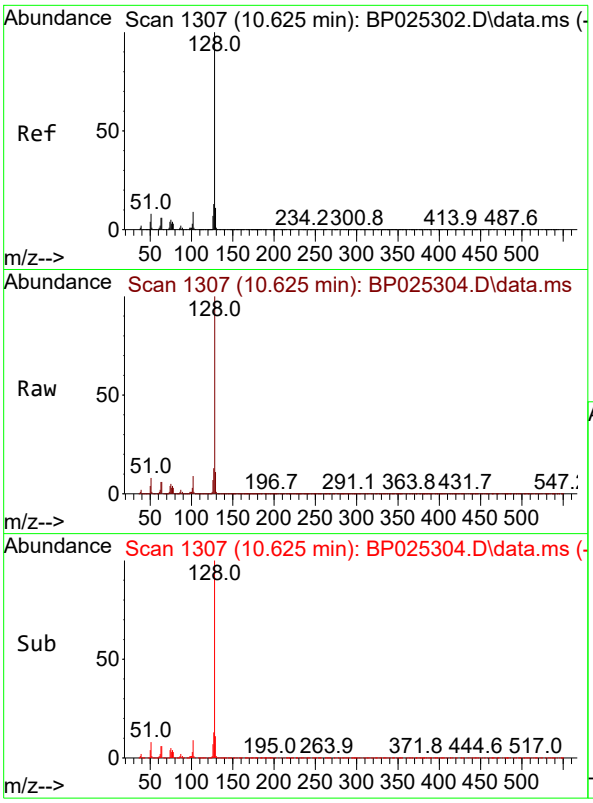


#30
1,2,4-Trichlorobenzene
Concen: 60.262 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:180 Resp: 924791

Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.8
145	32.2	25.0	37.4



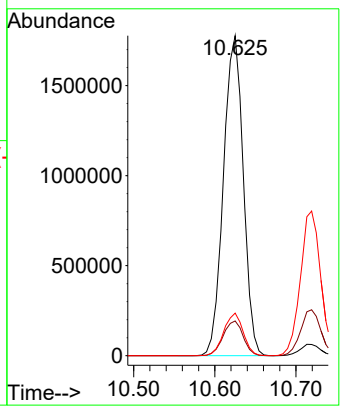


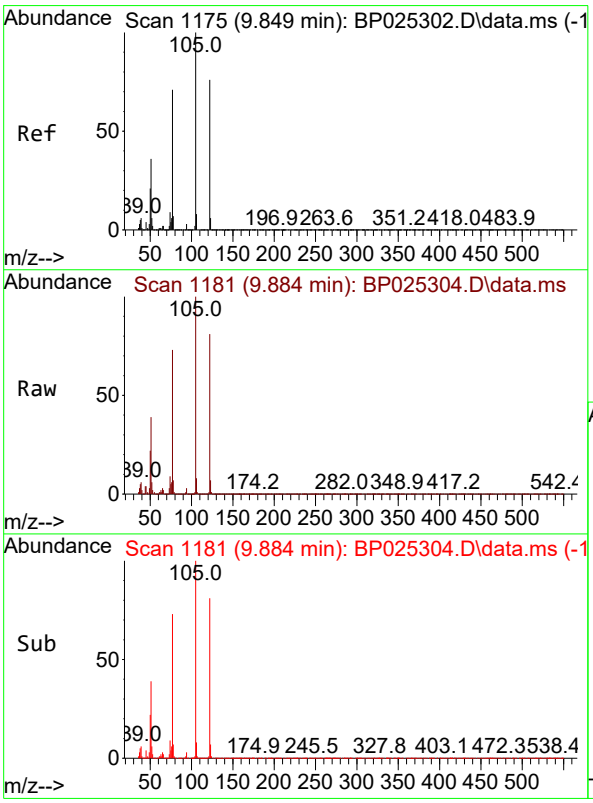
#31
Naphthalene
Concen: 60.593 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3016986

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.3	10.4	15.6

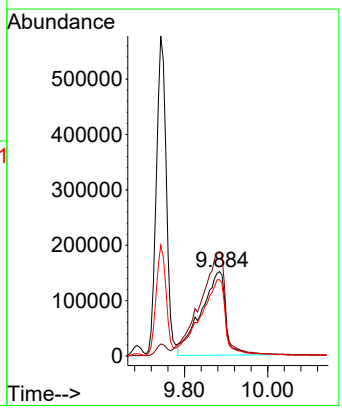


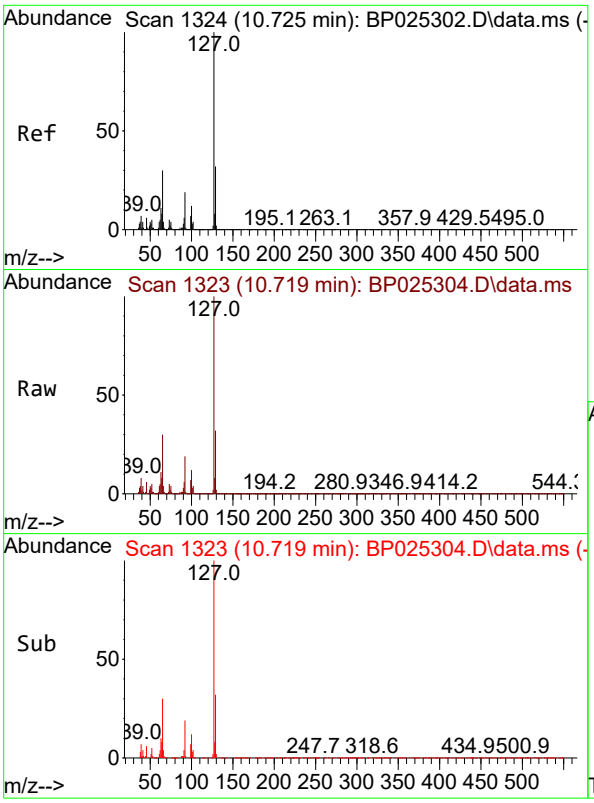


#32
Benzoic acid
Concen: 61.911 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.035 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:122 Resp: 625232

Ion	Ratio	Lower	Upper
122	100		
105	123.8	104.0	144.0
77	90.6	71.8	111.8



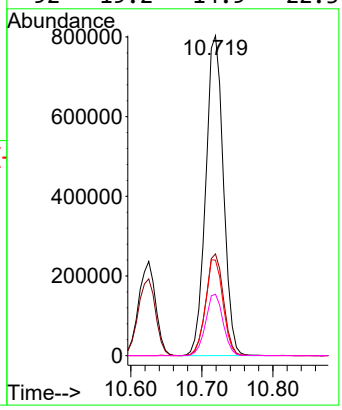


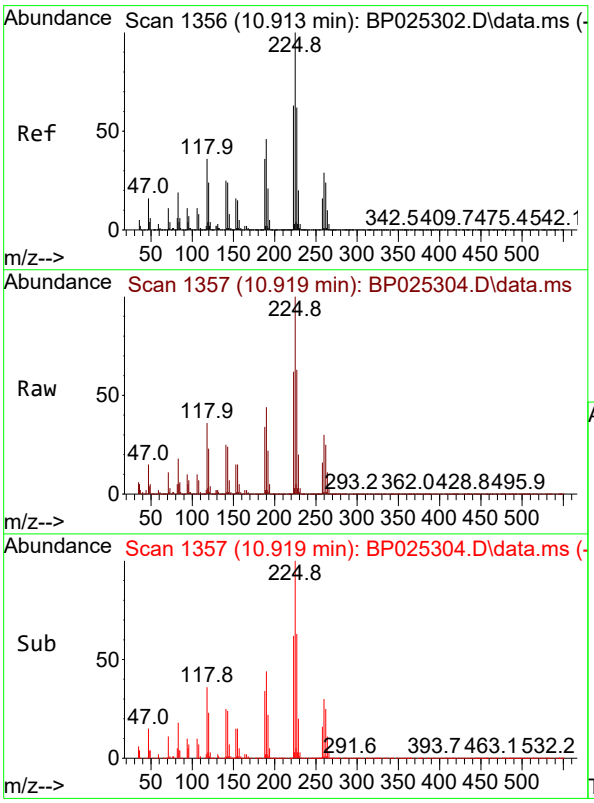
#33
4-Chloroaniline
Concen: 62.570 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1385599

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.6
65	29.8	23.6	35.4
92	19.2	14.9	22.3

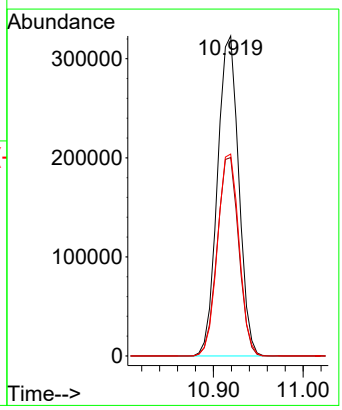


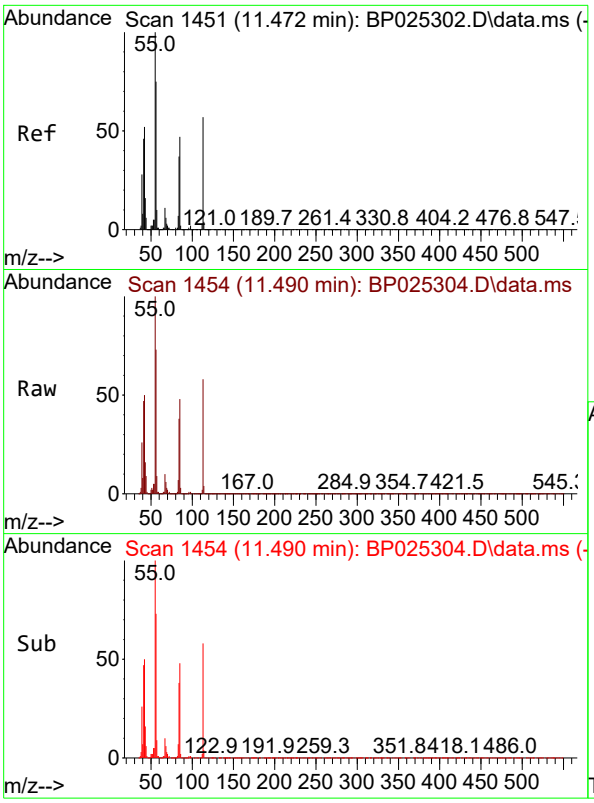


#34
Hexachlorobutadiene
Concen: 60.284 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:225 Resp: 531051

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	63.1	49.7	74.5



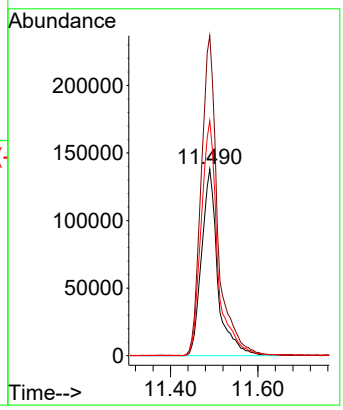


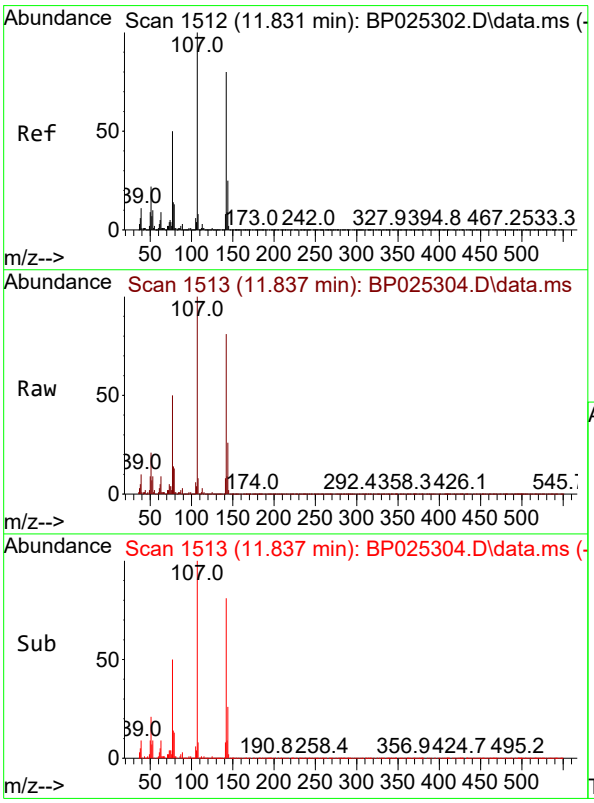
#35
Caprolactam
Concen: 65.928 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 356548

Ion	Ratio	Lower	Upper
113	100		
55	171.6	154.4	194.4
56	126.0	110.9	150.9

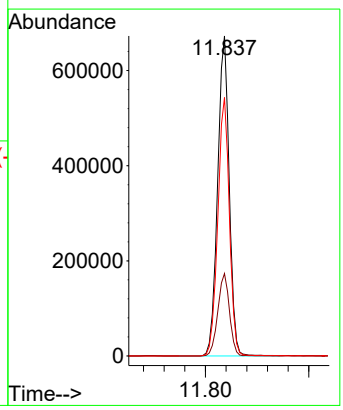


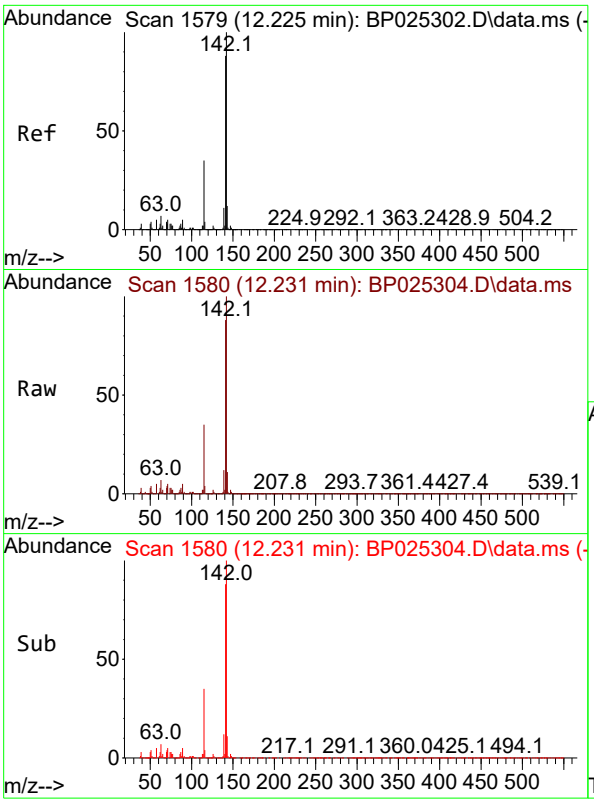


#36
4-Chloro-3-methylphenol
Concen: 64.929 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:107 Resp: 1045051

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	80.7	63.7	95.5



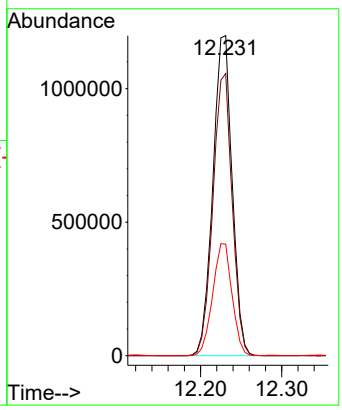


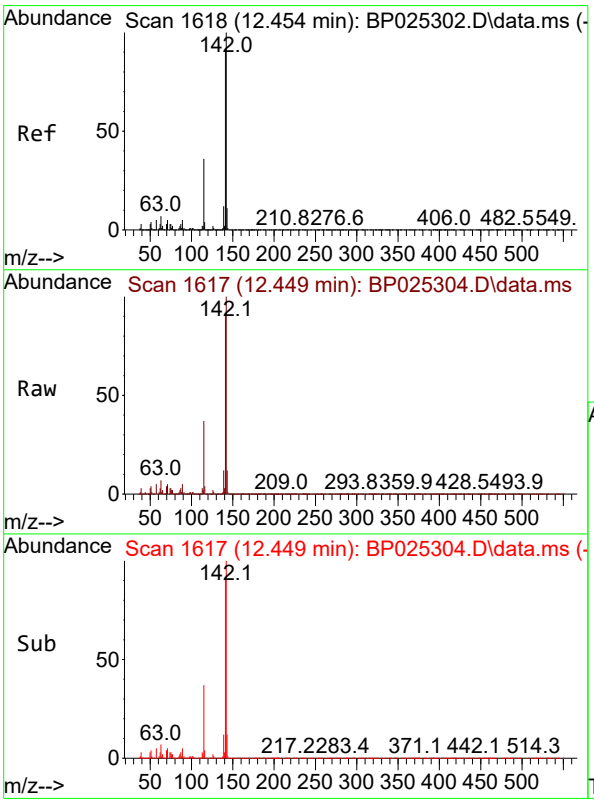
#37
2-Methylnaphthalene
Concen: 61.409 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1979064

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6
115	34.8	28.0	42.0

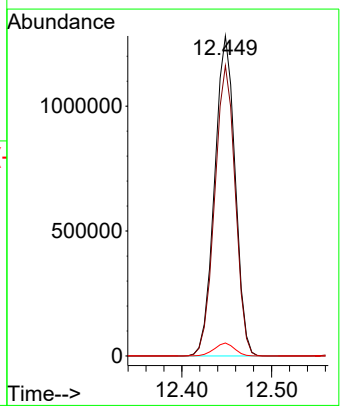


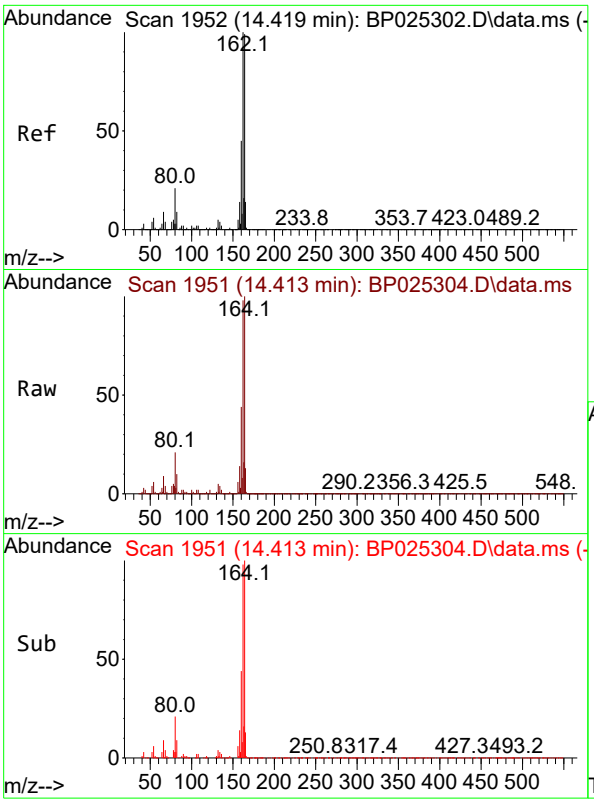


#38
1-Methylnaphthalene
Concen: 60.428 ng
RT: 12.449 min Scan# 1617
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:142 Resp: 2032006

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.6
116	4.0	3.0	4.6



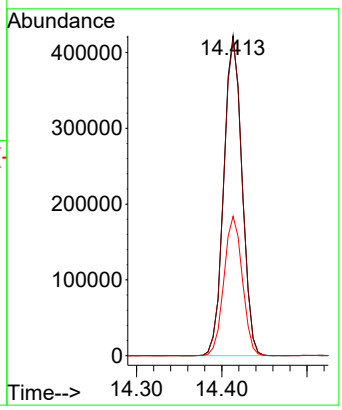


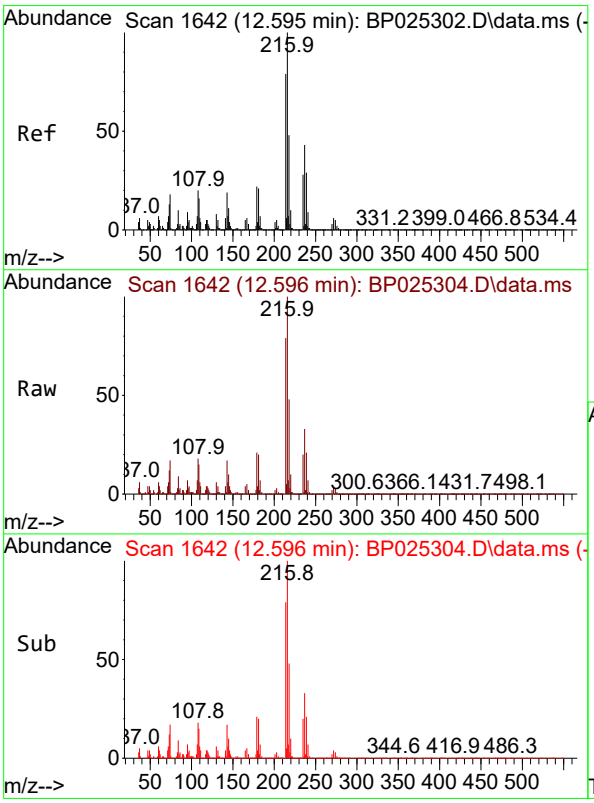
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 627525

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.6	35.9	53.9

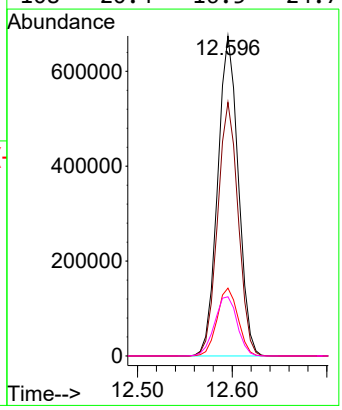


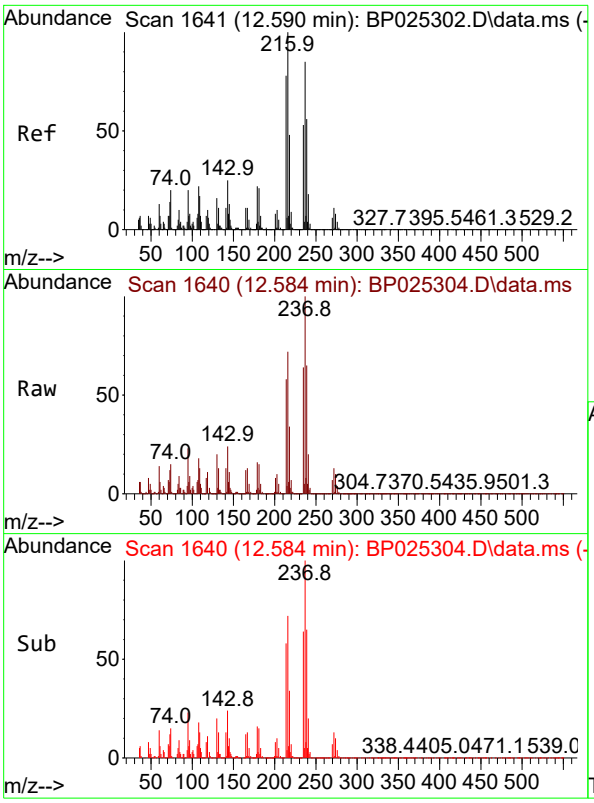


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.576 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:216 Resp: 1020686

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.4	93.6
179	21.6	17.5	26.3
108	20.4	16.5	24.7



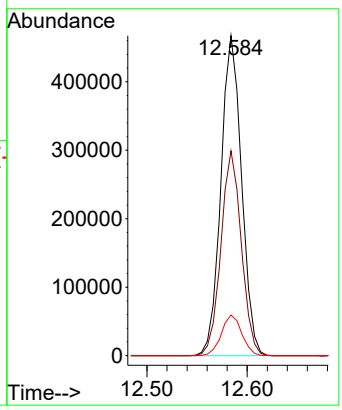


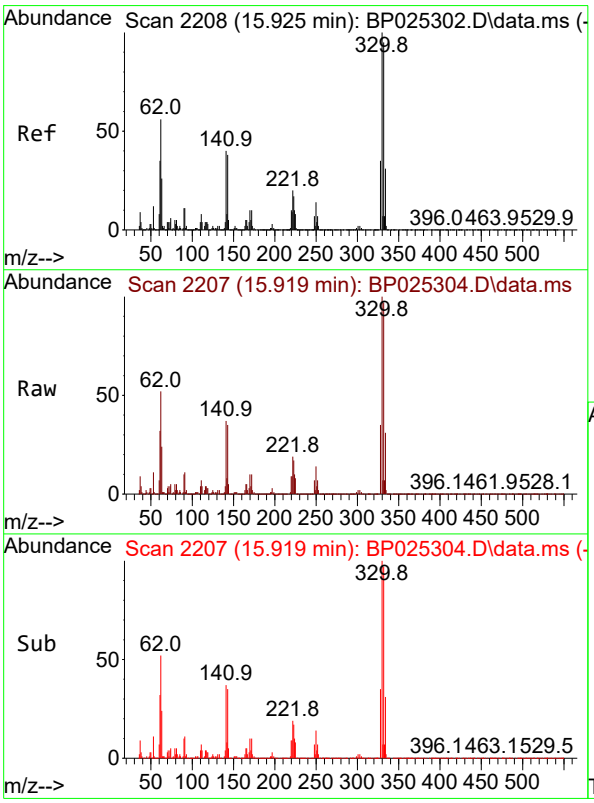
#41
Hexachlorocyclopentadiene
Concen: 63.265 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 668954

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.2	82.2
272	12.7	0.0	32.8

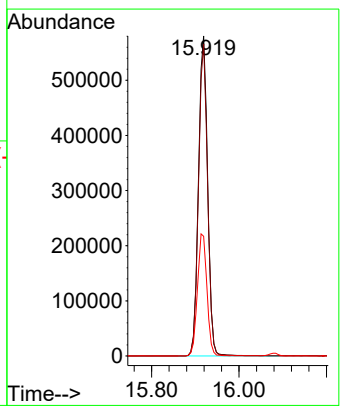


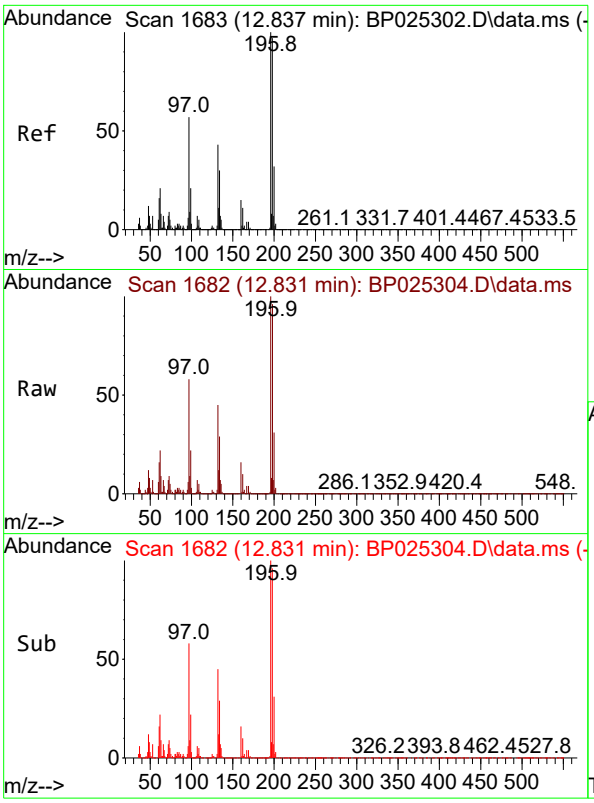


#42
2,4,6-Tribromophenol
Concen: 130.917 ng
RT: 15.919 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:330 Resp: 848230

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	39.5	31.7	47.5



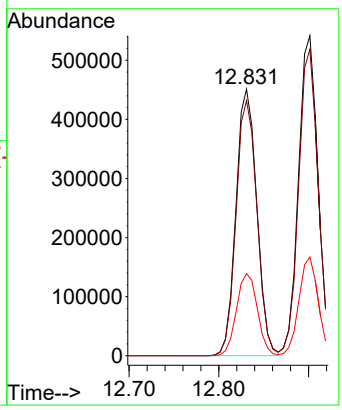


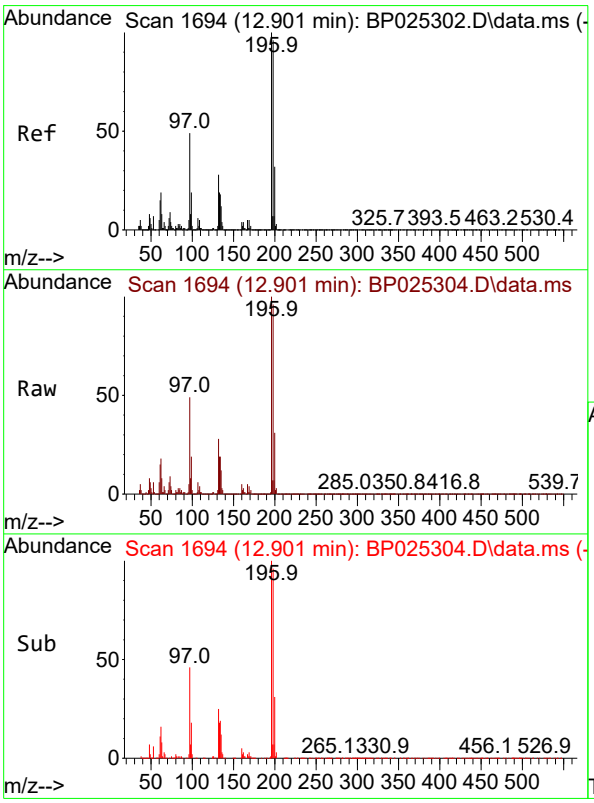
#43
2,4,6-Trichlorophenol
Concen: 65.619 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 726236

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
200	30.8	25.4	38.2

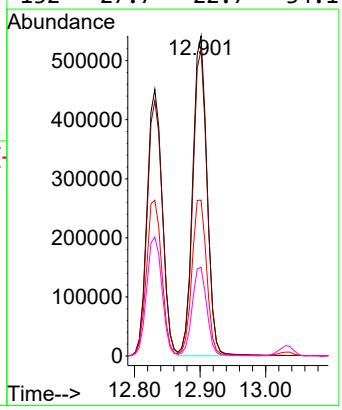


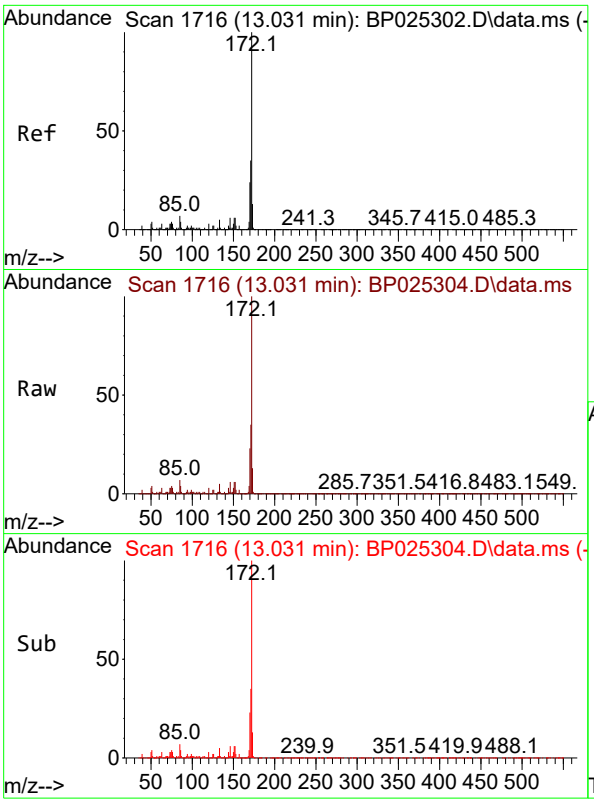


#44
2,4,5-Trichlorophenol
Concen: 66.349 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:196 Resp: 823738

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	48.7	39.5	59.3
132	27.7	22.7	34.1



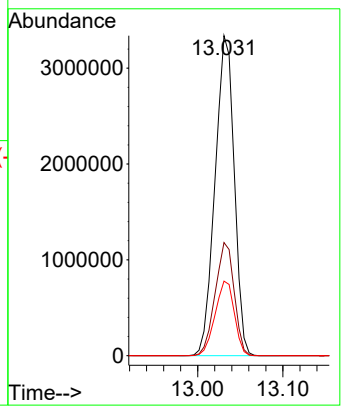


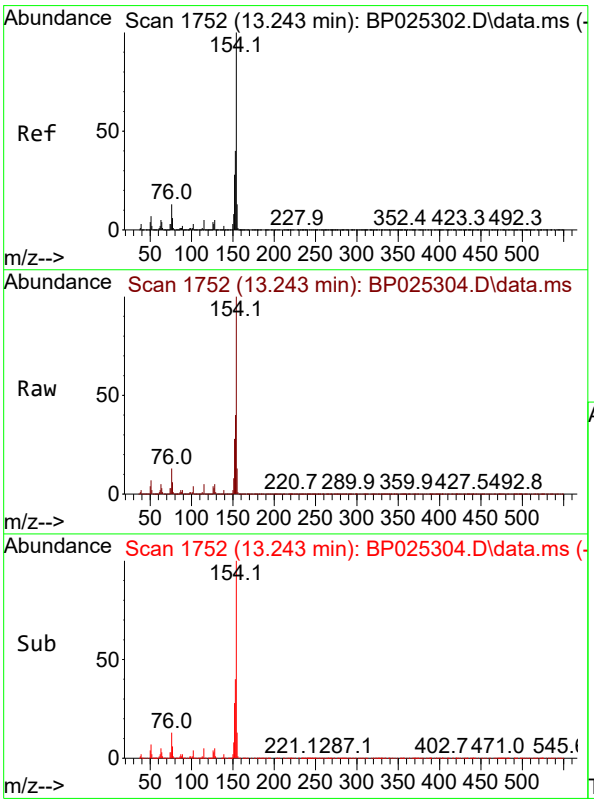
#45
2-Fluorobiphenyl
Concen: 115.685 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5227983

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.3	18.9	28.3

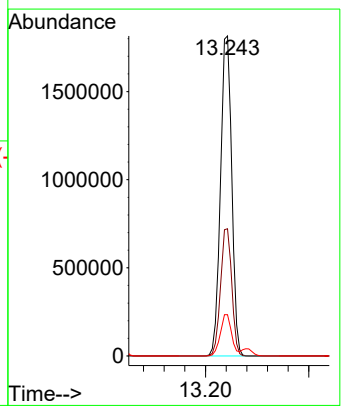


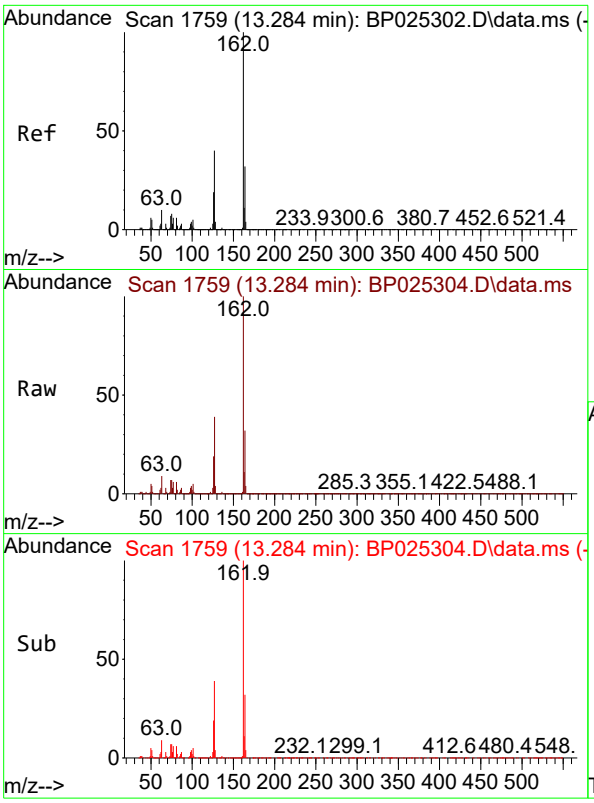


#46
1,1'-Biphenyl
Concen: 59.180 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:154 Resp: 2736817

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.9	59.9
76	12.9	0.0	33.2



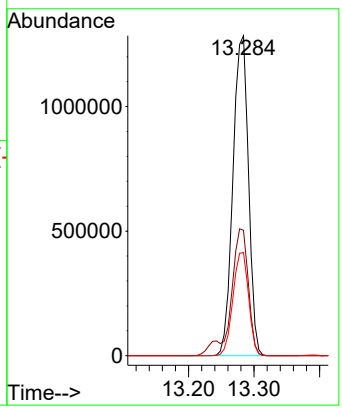


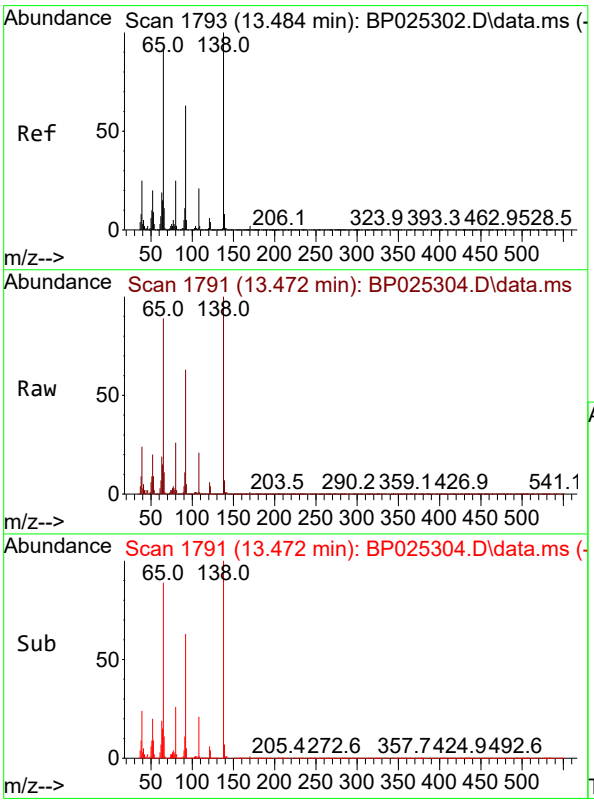
#47
2-Chloronaphthalene
Concen: 59.994 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2116700

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.2	48.2
164	32.3	25.9	38.9

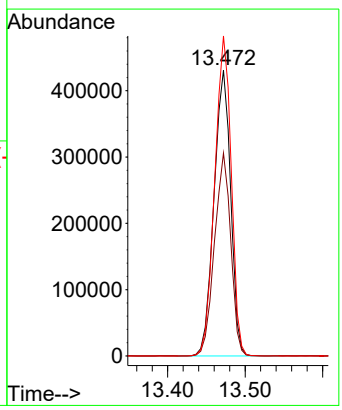


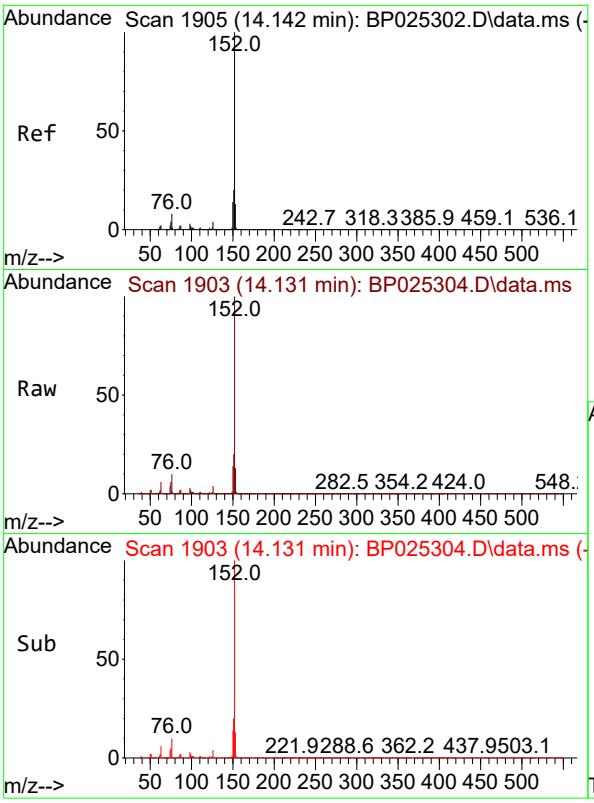


#48
2-Nitroaniline
Concen: 61.286 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion: 65 Resp: 642446

Ion	Ratio	Lower	Upper
65	100		
92	71.0	54.4	81.6
138	112.0	87.0	130.4



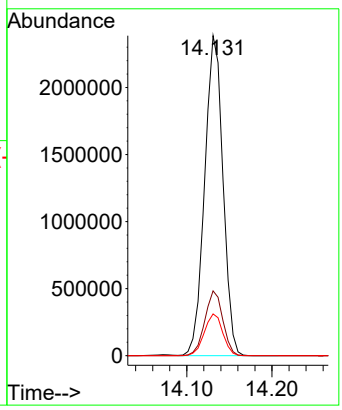


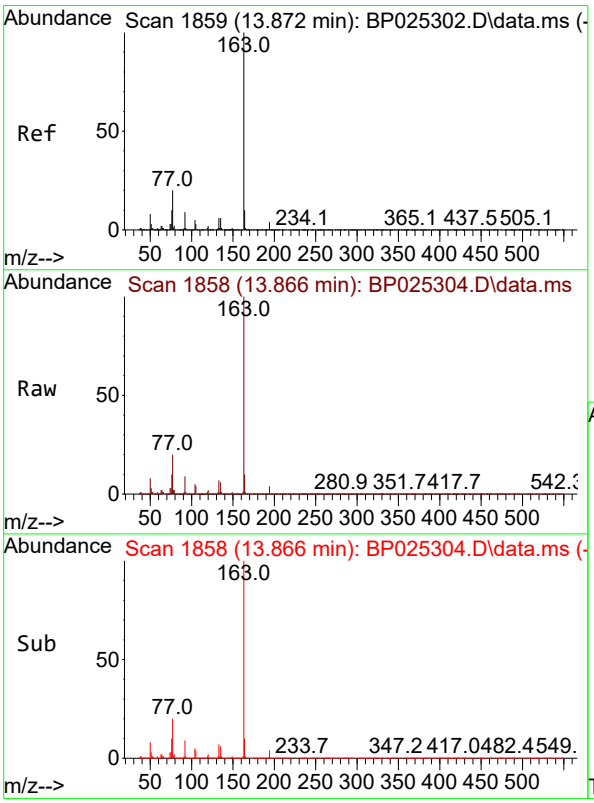
#49
Acenaphthylene
Concen: 60.462 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3558282

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.1	10.4	15.6

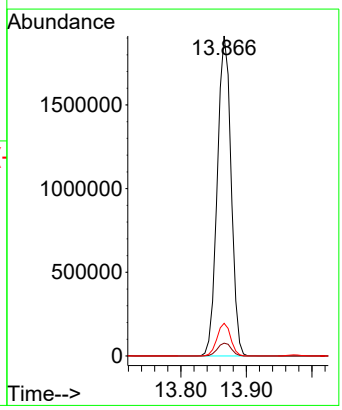


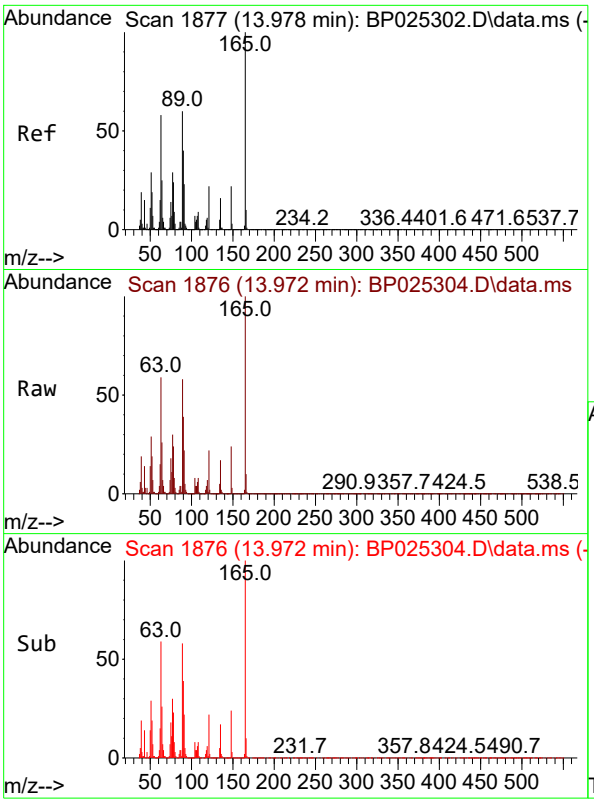


#50
Dimethylphthalate
Concen: 60.663 ng
RT: 13.866 min Scan# 1858
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:163 Resp: 2775097

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.0	12.0



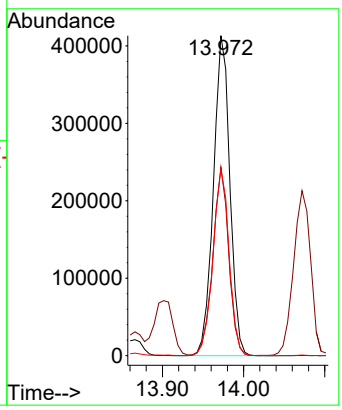


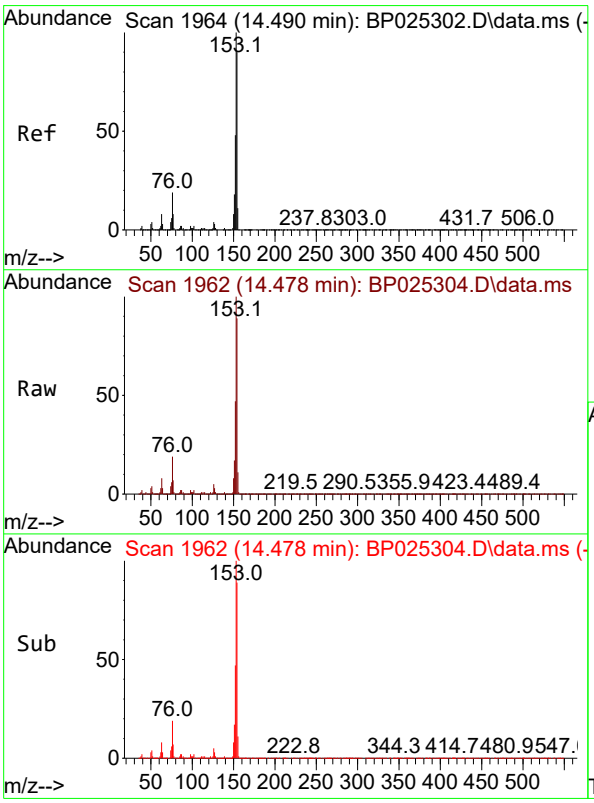
#51
2,6-Dinitrotoluene
Concen: 68.963 ng
RT: 13.972 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 581905

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.6	71.4
89	58.5	47.8	71.8

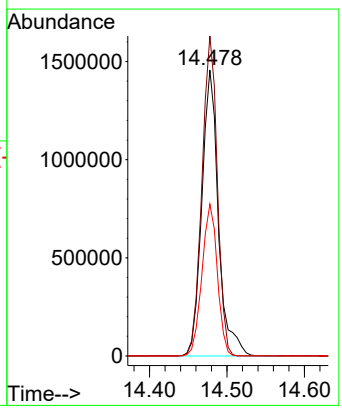


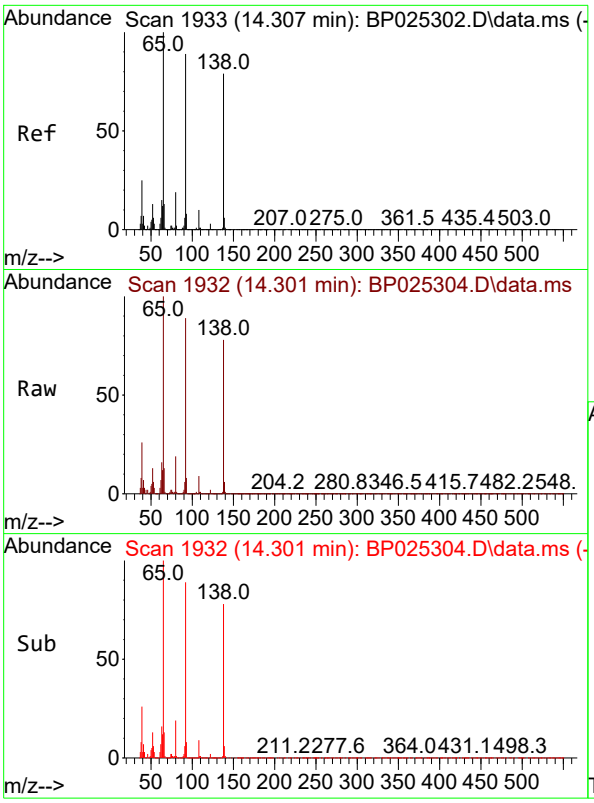


#52
Acenaphthene
Concen: 60.143 ng
RT: 14.478 min Scan# 1962
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:154 Resp: 2158962

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.4	134.0
152	53.1	43.0	64.6



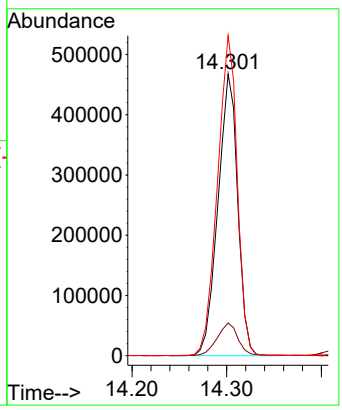


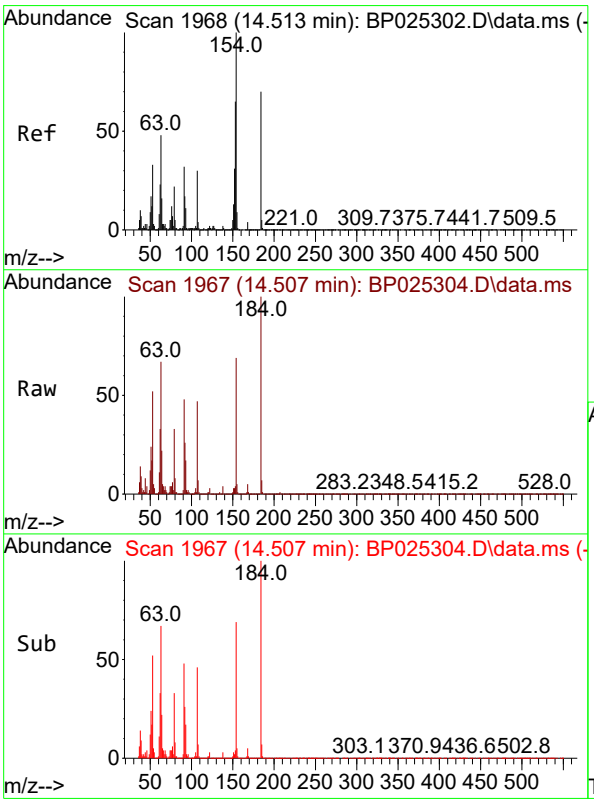
#53
3-Nitroaniline
Concen: 68.579 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 677122

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.5	15.7
92	113.6	90.9	136.3

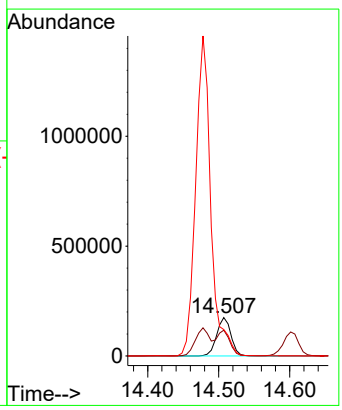


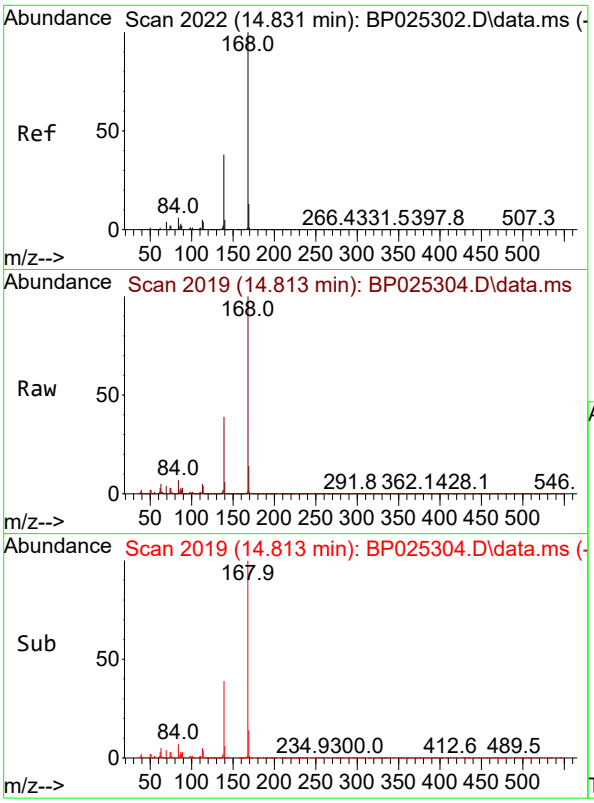


#54
2,4-Dinitrophenol
Concen: 60.748 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:184 Resp: 242217

Ion	Ratio	Lower	Upper
184	100		
63	67.0	56.3	84.5
154	68.8	124.5	186.7#



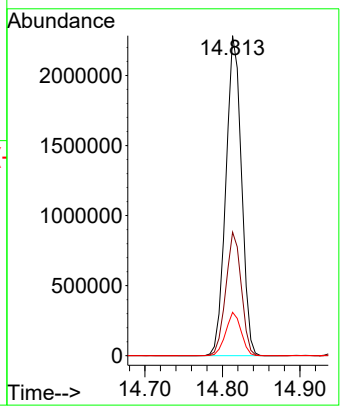


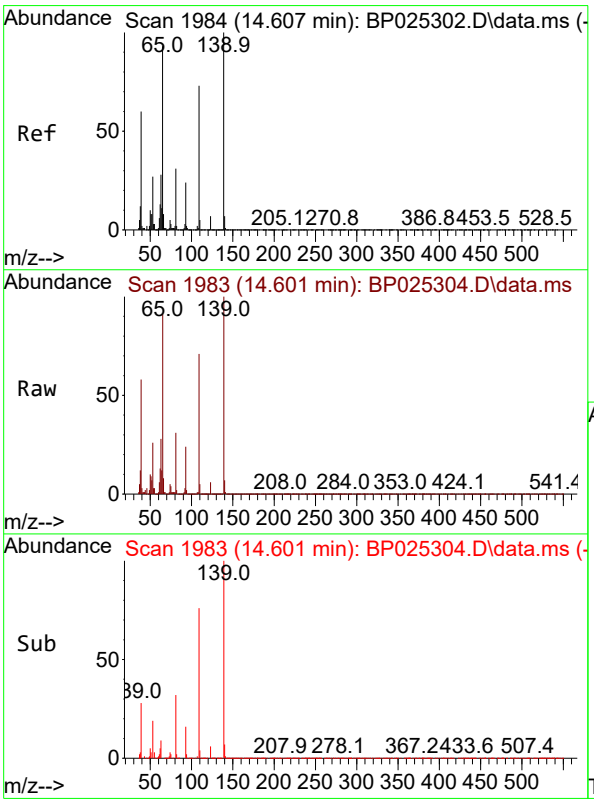
#55
Dibenzofuran
Concen: 59.657 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3200254

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.5	45.7
169	13.5	10.6	15.8

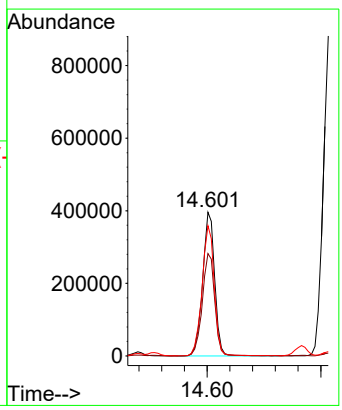


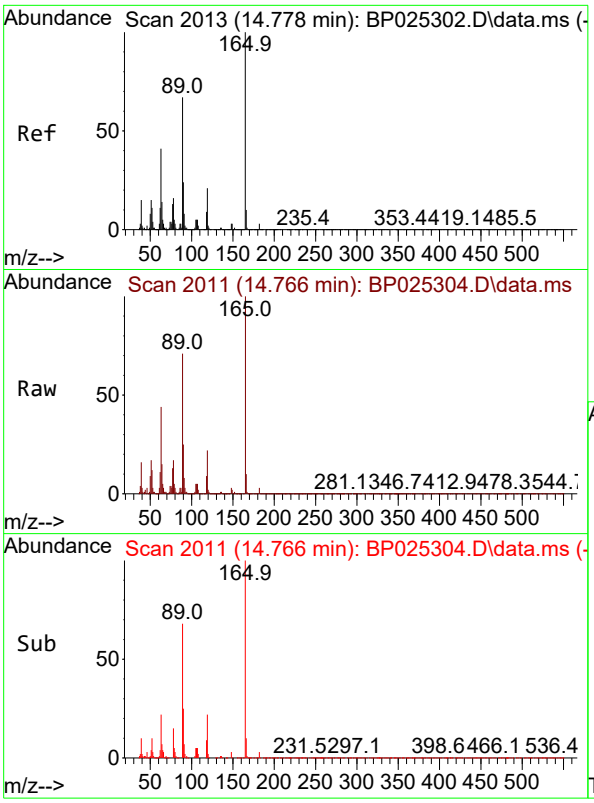


#56
4-Nitrophenol
Concen: 66.536 ng
RT: 14.601 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:139 Resp: 579797

Ion	Ratio	Lower	Upper
139	100		
109	71.3	52.7	92.7
65	90.7	73.4	113.4



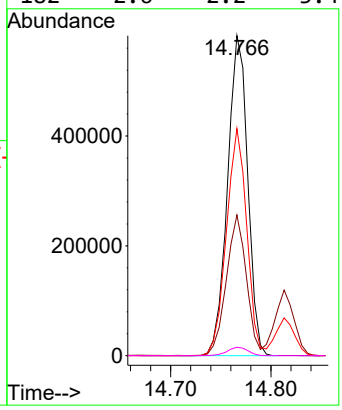


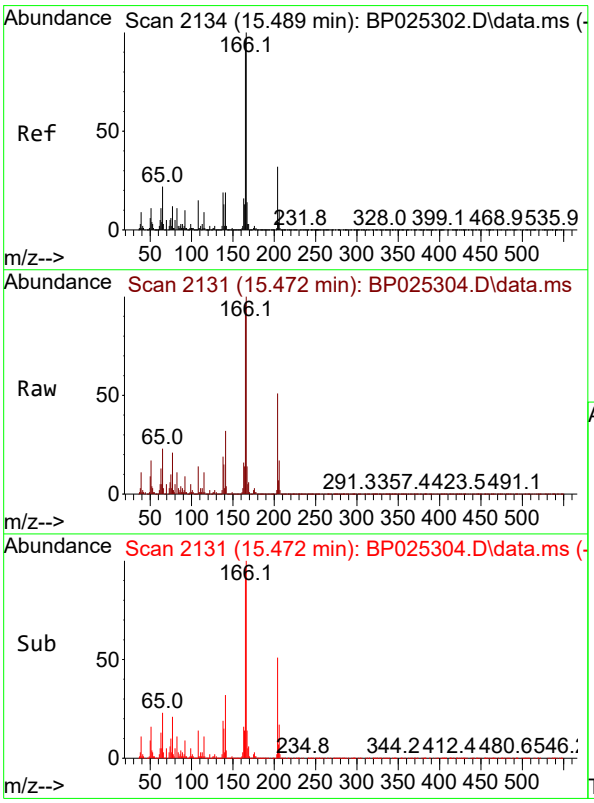
#57
2,4-Dinitrotoluene
Concen: 61.234 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 813557

Ion	Ratio	Lower	Upper
165	100		
63	44.0	33.2	49.8
89	71.0	53.5	80.3
182	2.6	2.2	3.4

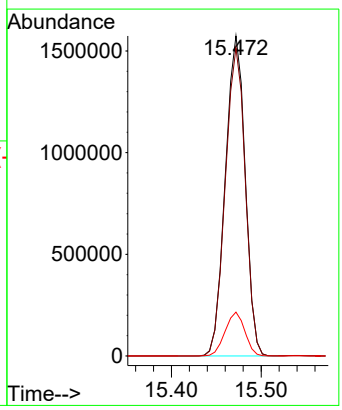


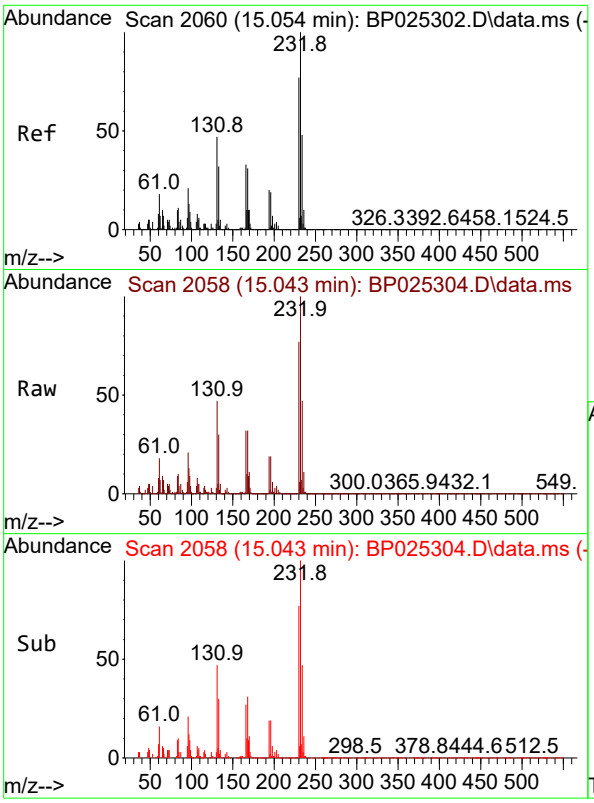


#58
Fluorene
Concen: 57.390 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:166 Resp: 2418012

Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.7	115.1
167	13.7	10.9	16.3



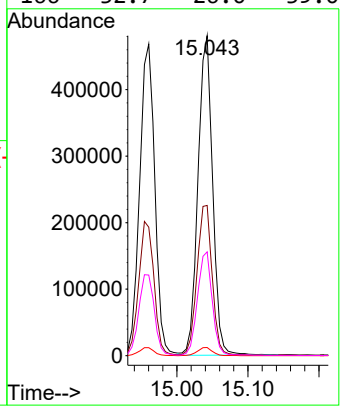


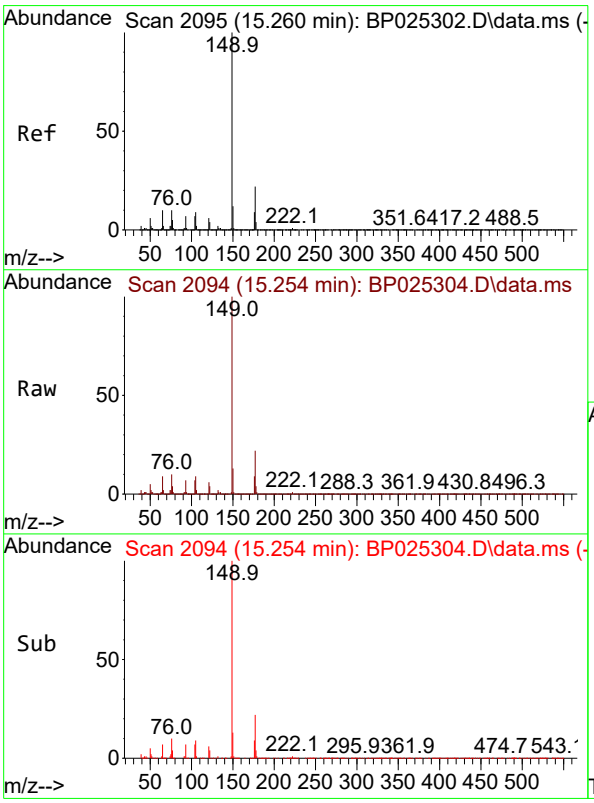
#59
2,3,4,6-Tetrachlorophenol
Concen: 66.118 ng
RT: 15.043 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 689750

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0

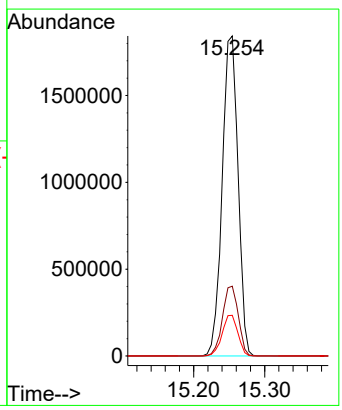


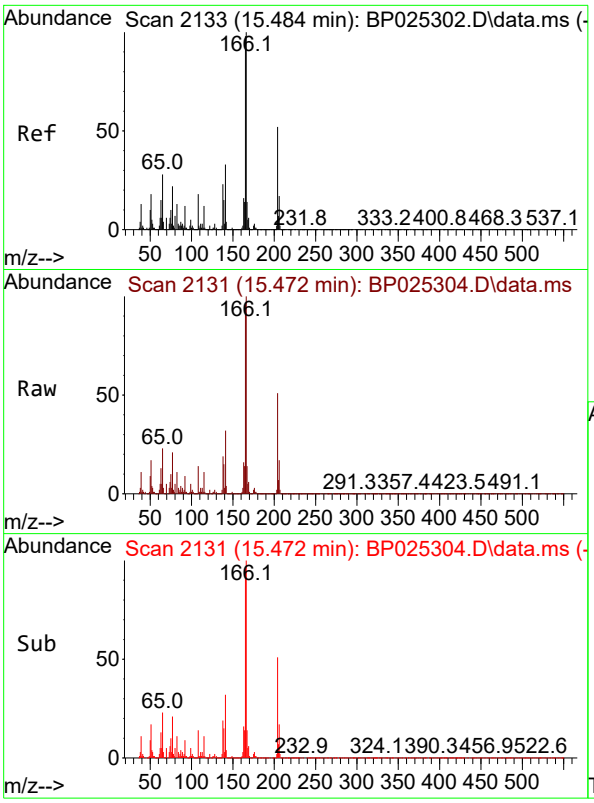


#60
Diethylphthalate
Concen: 61.567 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 2839454

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.7	9.8	14.8



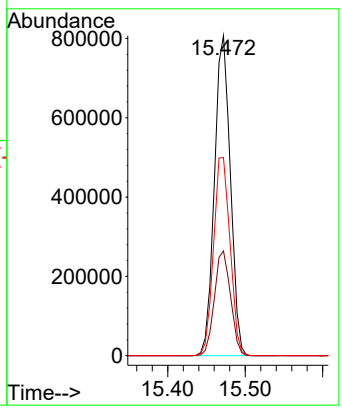


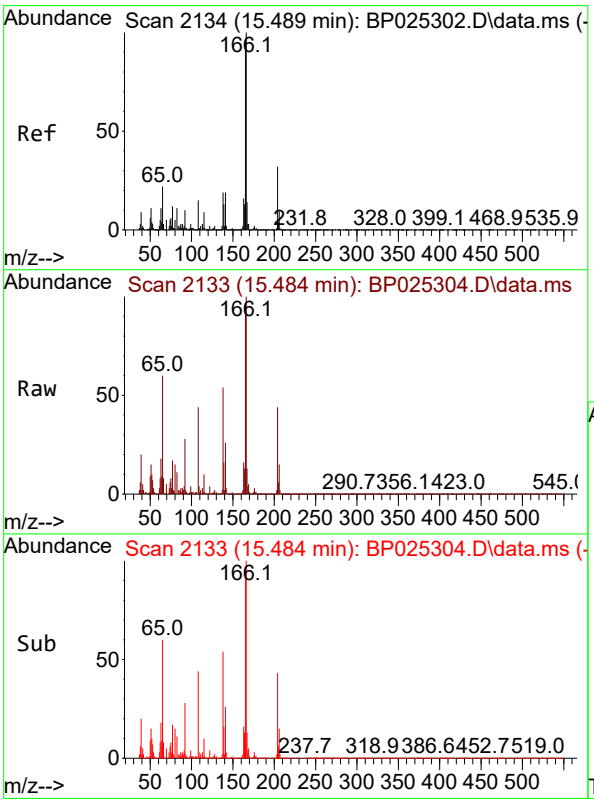
#61
4-Chlorophenyl-phenylether
Concen: 57.895 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1156422

Ion	Ratio	Lower	Upper
204	100		
206	32.8	27.0	40.4
141	61.9	50.3	75.5

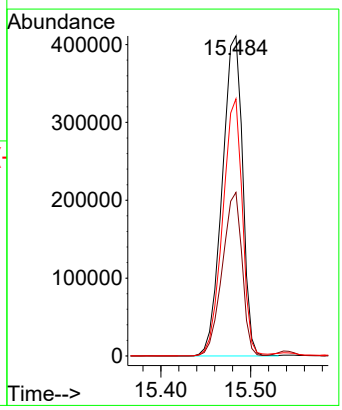


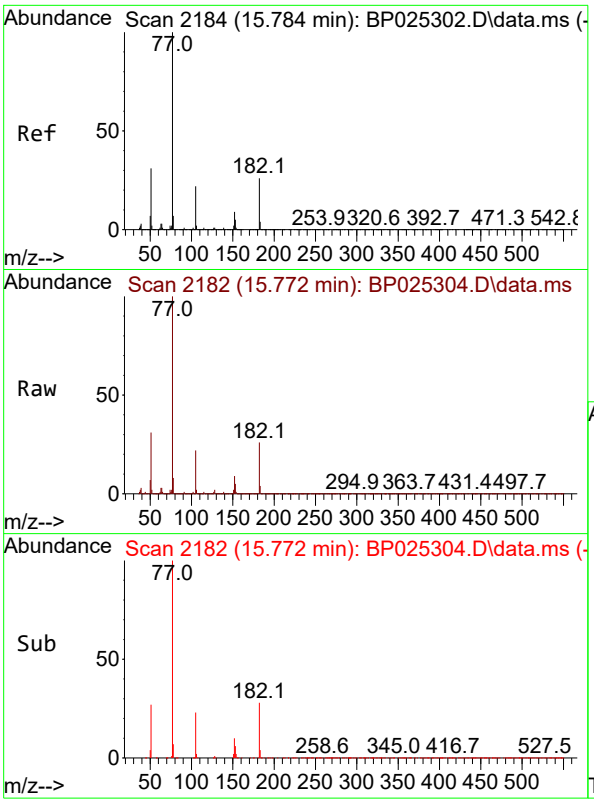


#62
4-Nitroaniline
Concen: 66.228 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:138 Resp: 647932

Ion	Ratio	Lower	Upper
138	100		
92	51.1	29.8	69.8
108	80.3	56.6	96.6



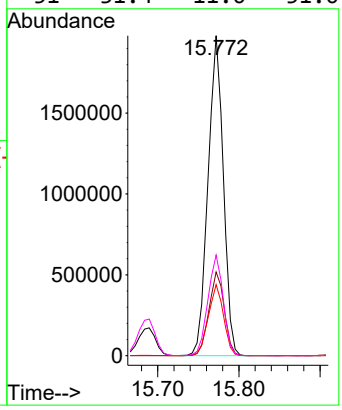


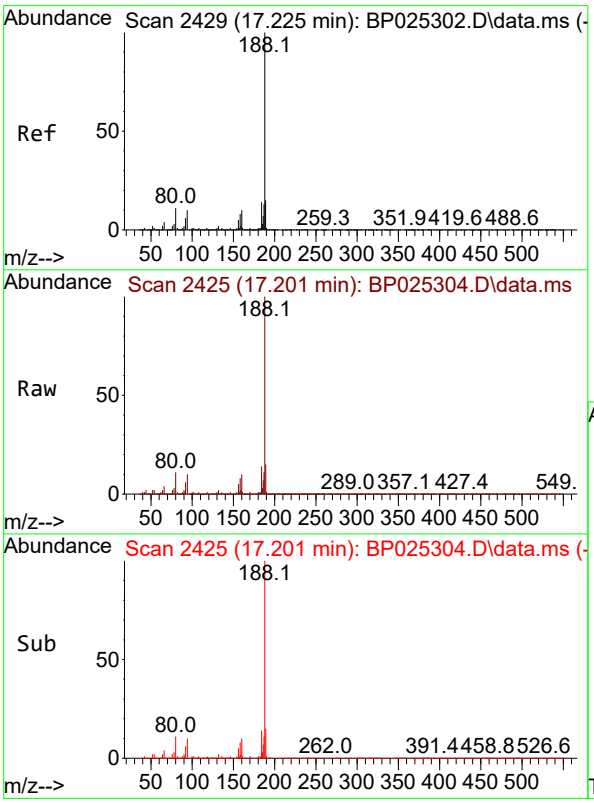
#63
Azobenzene
Concen: 60.449 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2589928

Ion	Ratio	Lower	Upper
77	100		
182	26.1	6.0	46.0
105	22.2	2.1	42.1
51	31.4	11.0	51.0

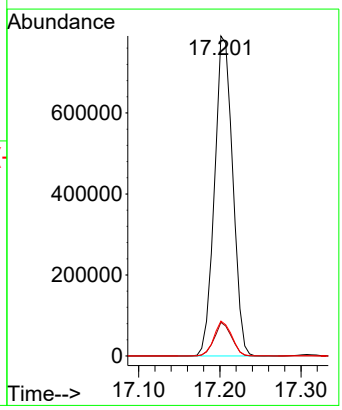


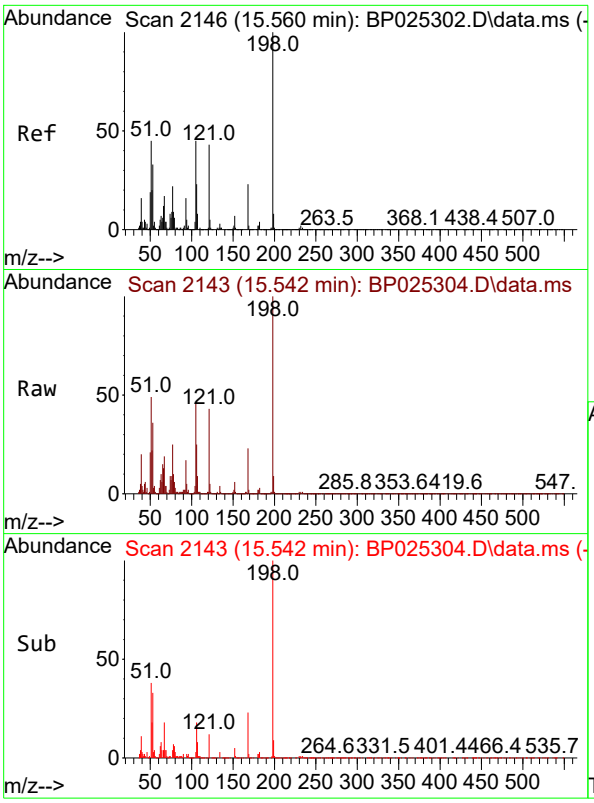


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:188 Resp: 1230027

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	10.9	8.5	12.7



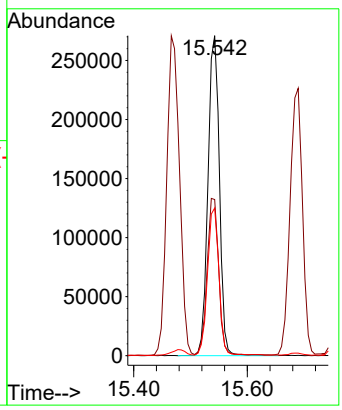


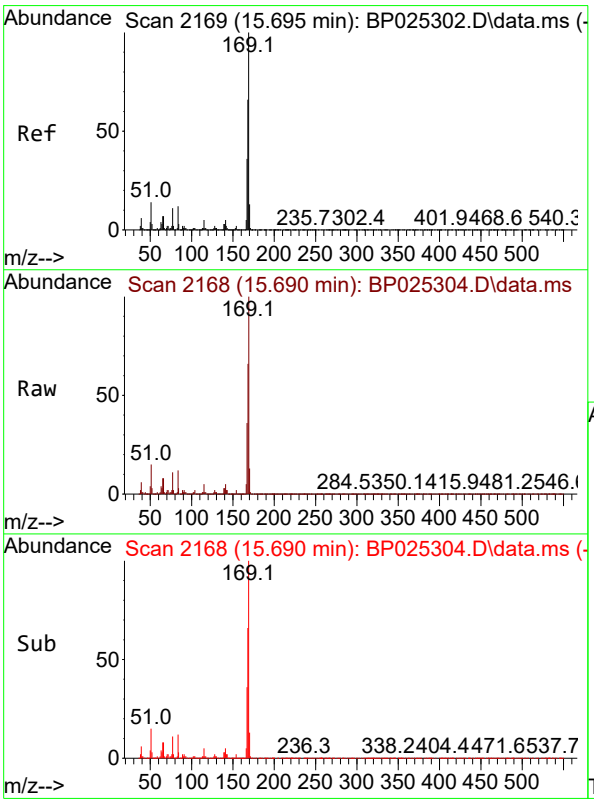
#65
4,6-Dinitro-2-methylphenol
Concen: 62.146 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 375536

Ion	Ratio	Lower	Upper
198	100		
51	48.8	26.7	66.7
105	46.2	25.6	65.6

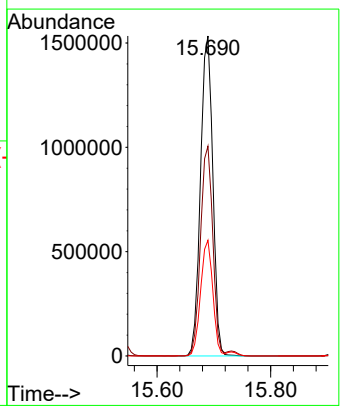


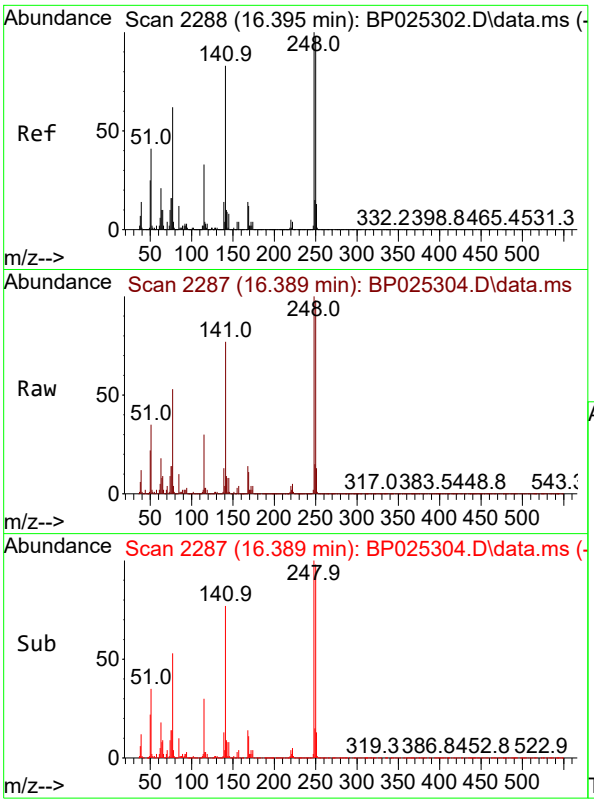


#66
n-Nitrosodiphenylamine
Concen: 61.440 ng
RT: 15.690 min Scan# 2168
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:169 Resp: 2301050

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.8	79.2
167	36.2	28.5	42.7



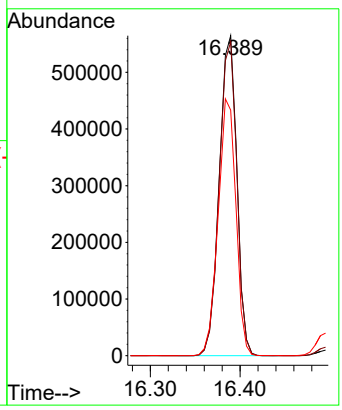


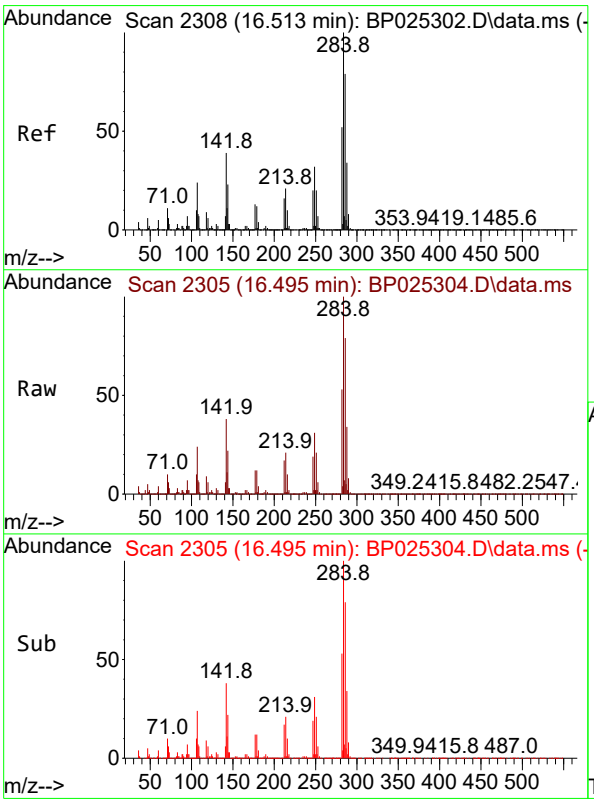
#67
4-Bromophenyl-phenylether
Concen: 62.130 ng
RT: 16.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 768935

Ion	Ratio	Lower	Upper
248	100		
250	98.1	78.6	117.8
141	76.8	66.6	99.8

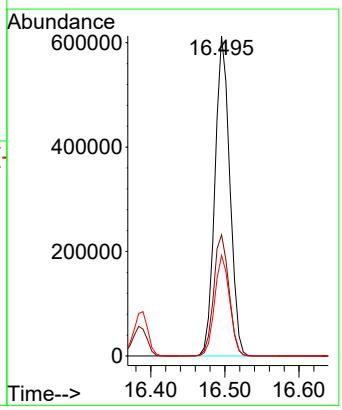


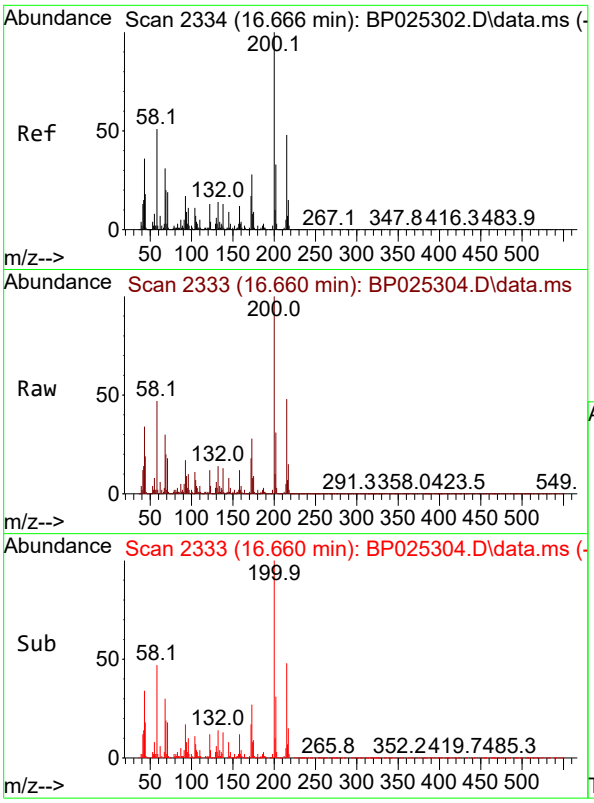


#68
Hexachlorobenzene
Concen: 61.343 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:284 Resp: 851862

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.8	46.2
249	31.4	25.4	38.0



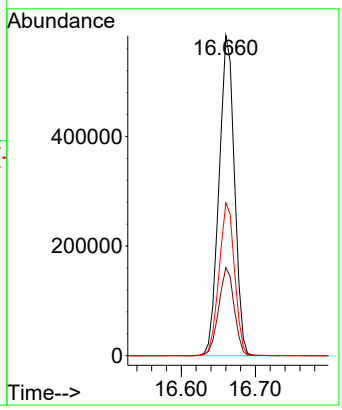


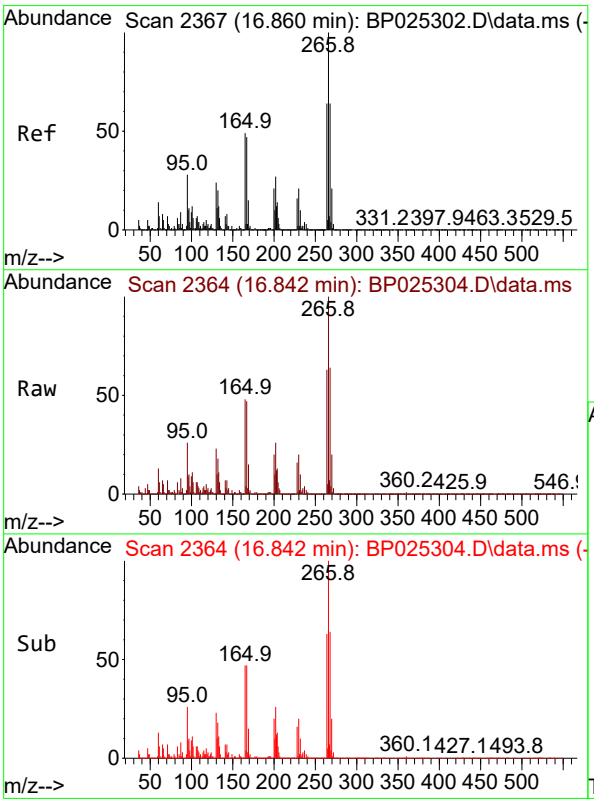
#69
Atrazine
Concen: 64.112 ng
RT: 16.660 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 844409

Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.2	48.2
215	47.7	28.1	68.1

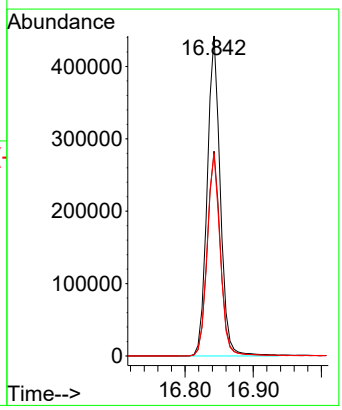


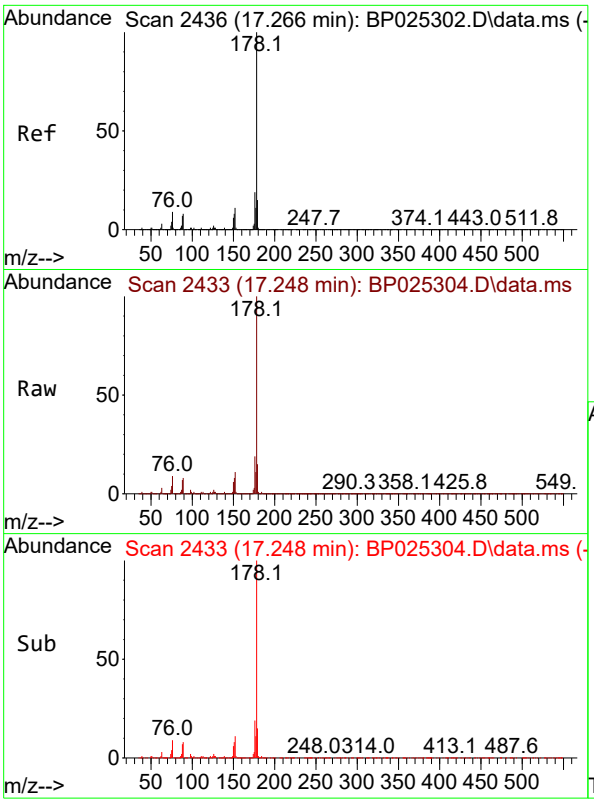


#70
Pentachlorophenol
Concen: 66.613 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:266 Resp: 589352

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.0
264	63.3	51.1	76.7



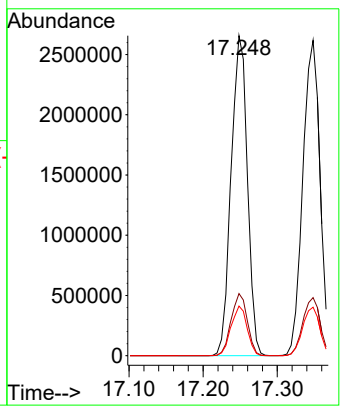


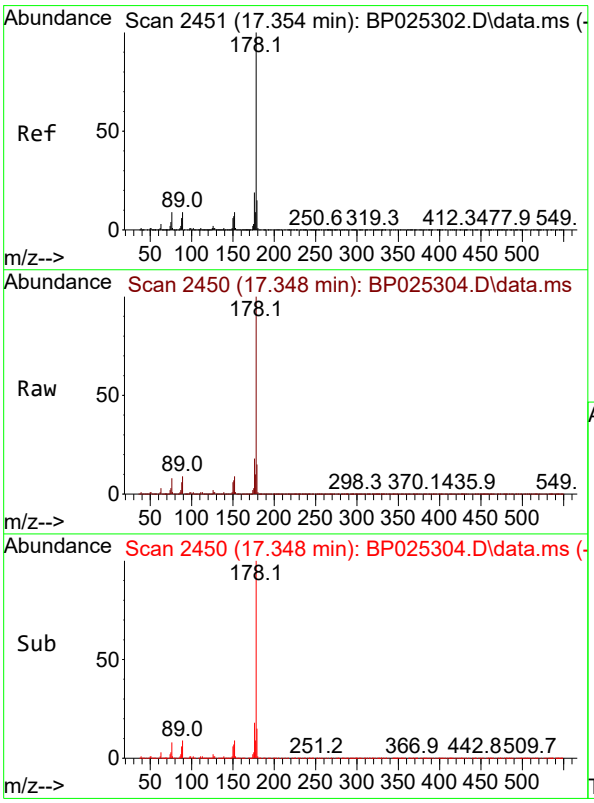
#71
Phenanthrene
Concen: 60.079 ng
RT: 17.248 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4047515

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.1	18.1

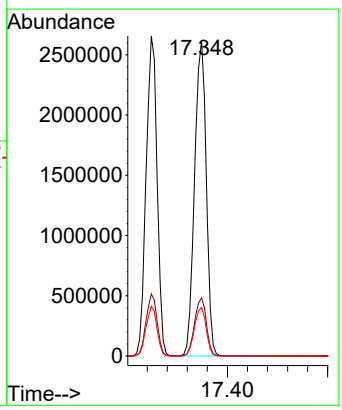


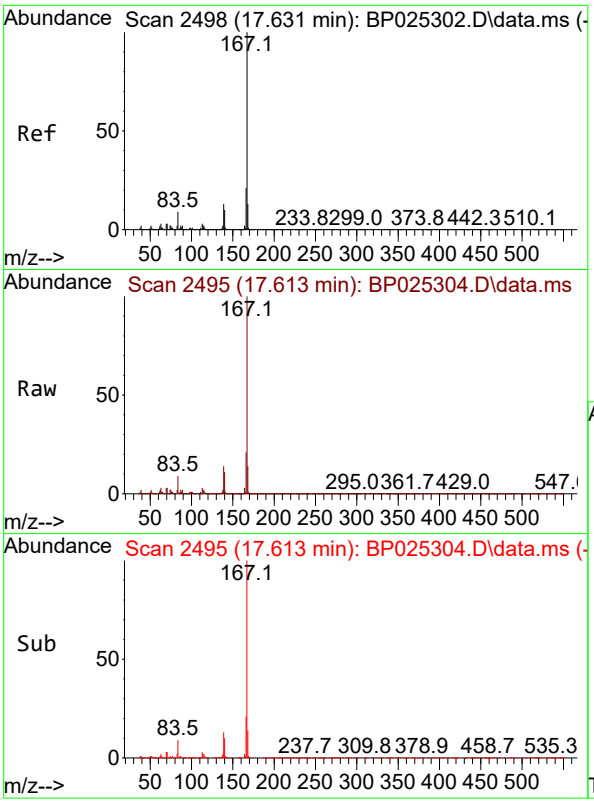


#72
Anthracene
Concen: 62.075 ng
RT: 17.348 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:178 Resp: 4216676

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.4	12.3	18.5



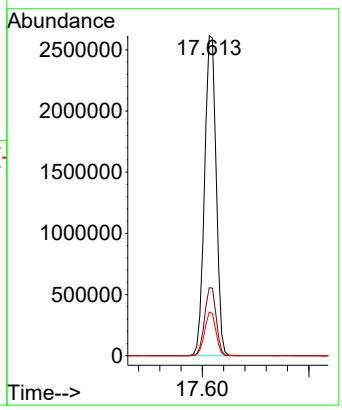


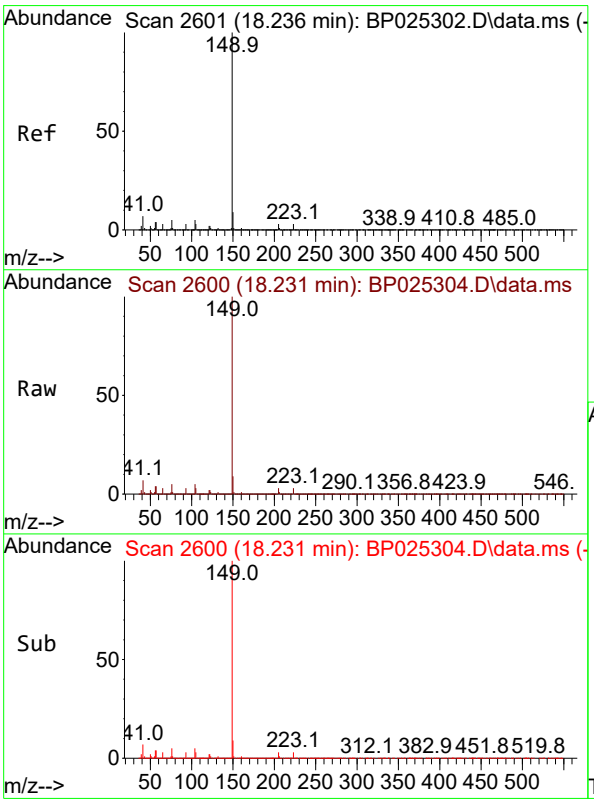
#73
Carbazole
Concen: 60.358 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3935735

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.6	10.6	16.0

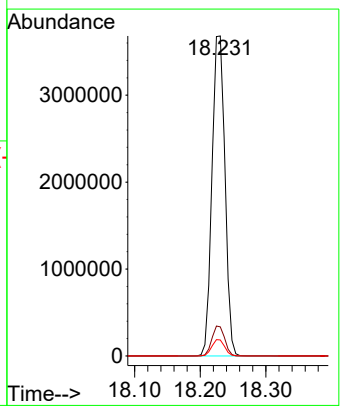


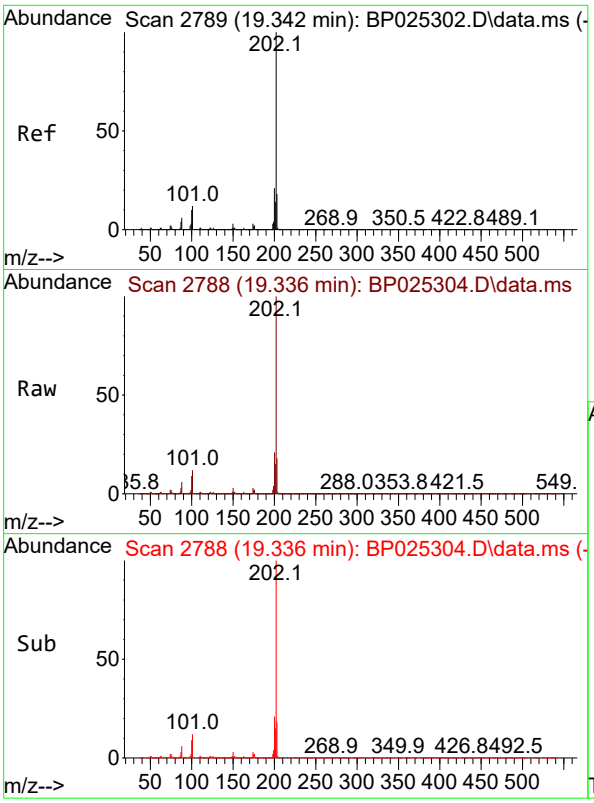


#74
Di-n-butylphthalate
Concen: 64.043 ng
RT: 18.231 min Scan# 2600
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 5052062

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.0	4.1	6.1



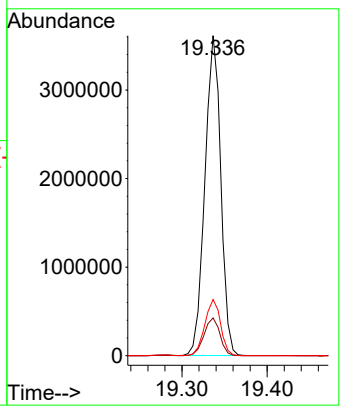


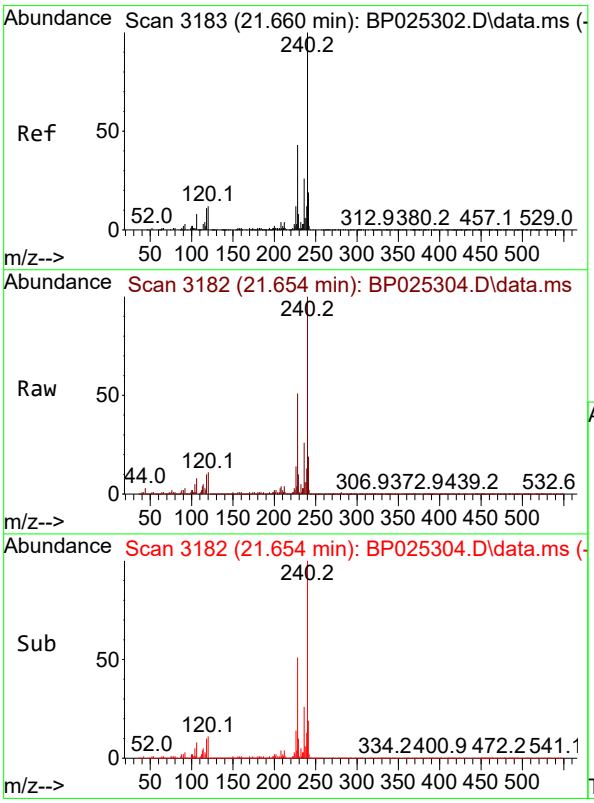
#75
Fluoranthene
Concen: 59.989 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4678502

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.5
203	17.6	0.0	37.6

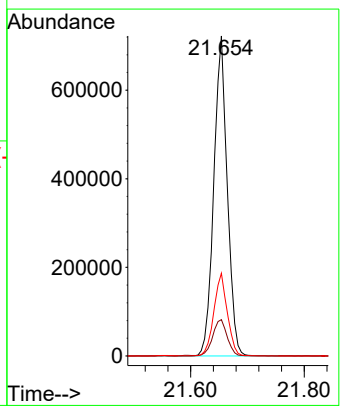


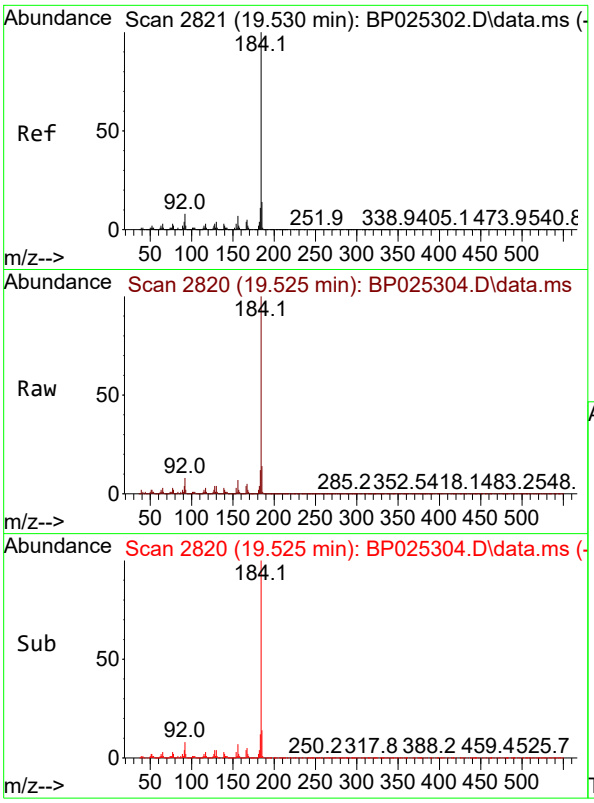


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:240 Resp: 1185485

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	25.9	20.4	30.6



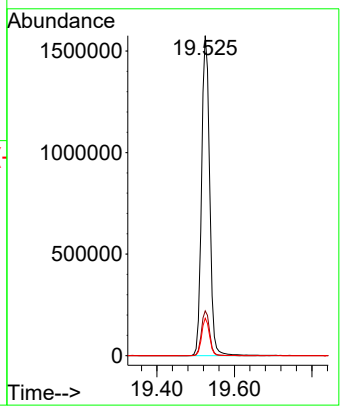


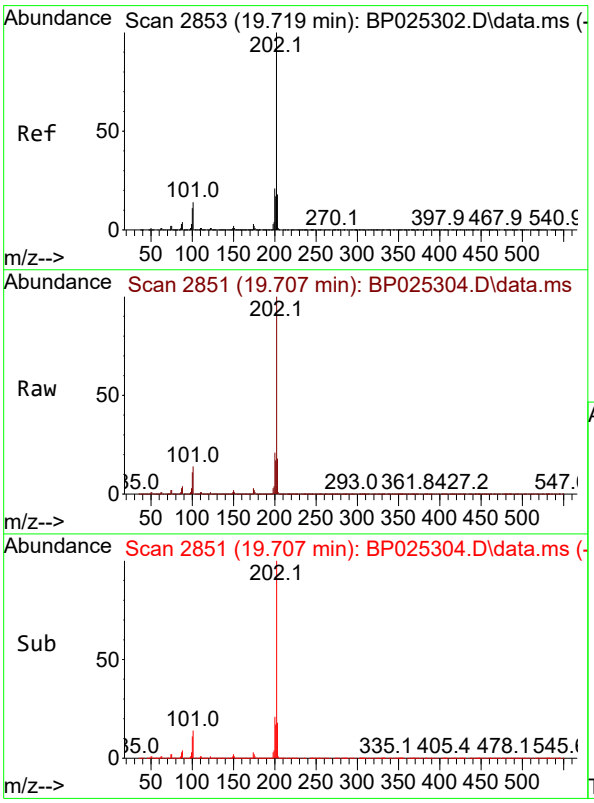
#77
Benzidine
Concen: 53.219 ng
RT: 19.525 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2283507

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.0	16.6
183	11.7	9.2	13.8

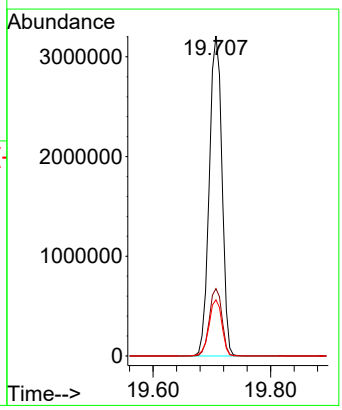


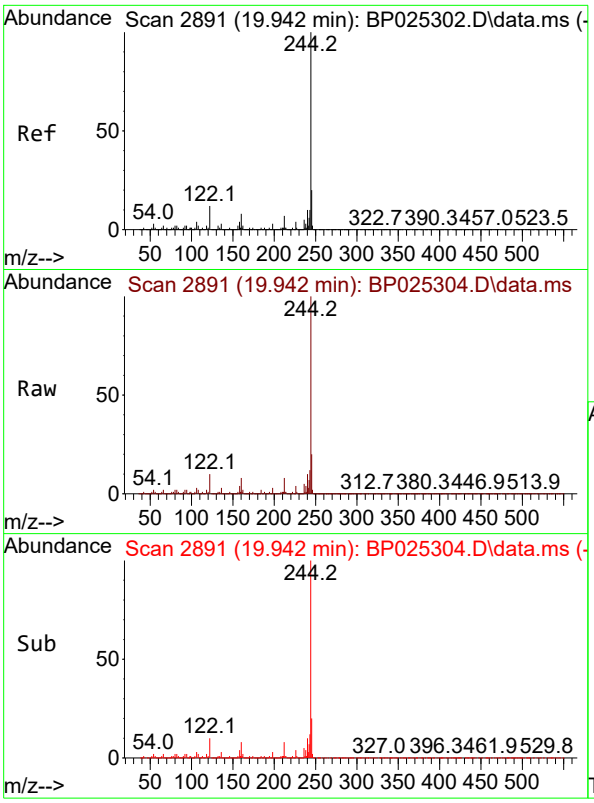


#78
Pyrene
Concen: 60.822 ng
RT: 19.707 min Scan# 2851
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:202 Resp: 4794722

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.1	21.1



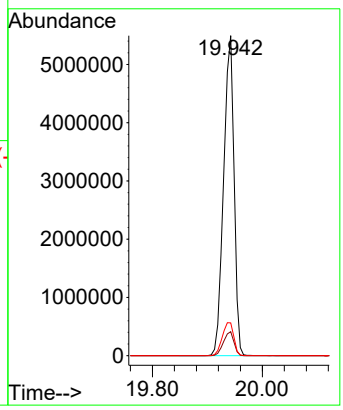


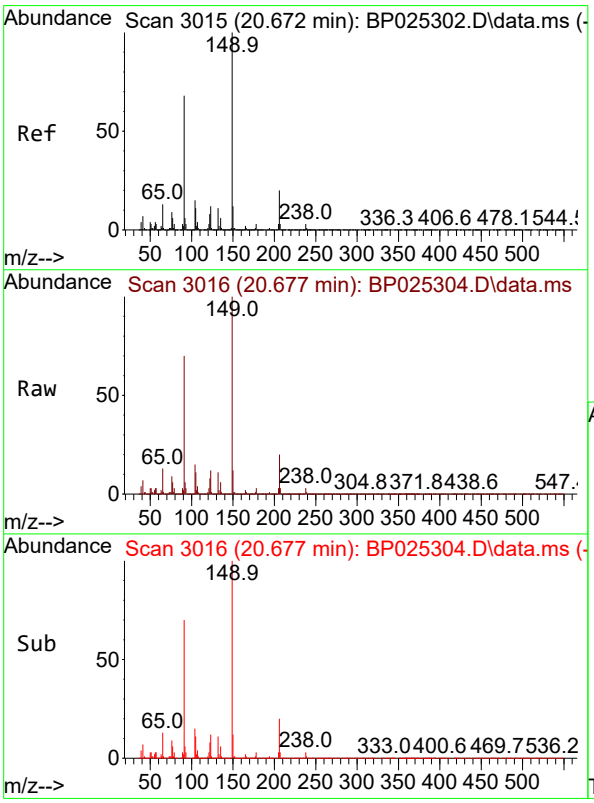
#79
Terphenyl-d14
Concen: 115.259 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 7232677

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	10.3	9.5	14.3

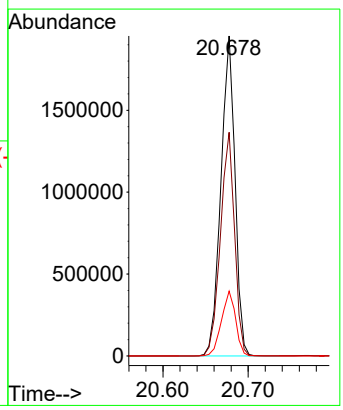


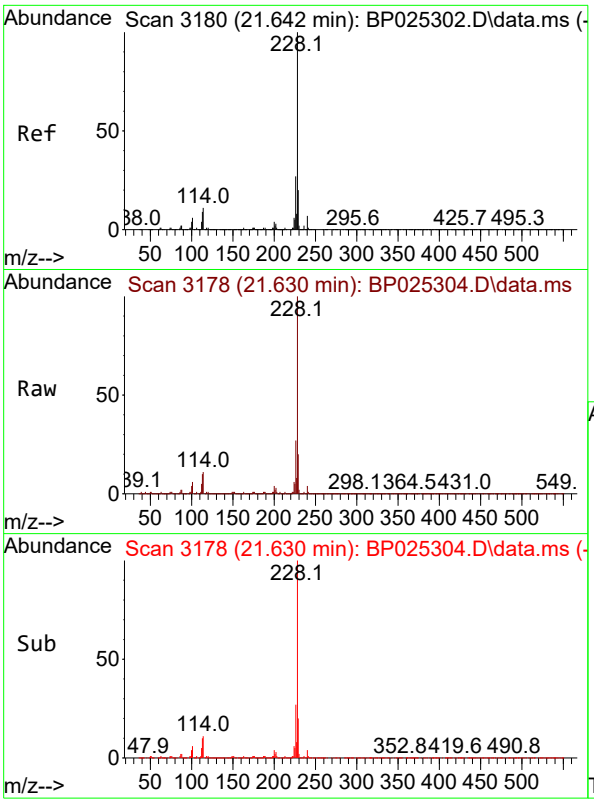


#80
Butylbenzylphthalate
Concen: 70.246 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 2245879

Ion	Ratio	Lower	Upper
149	100		
91	69.9	54.7	82.1
206	20.3	16.4	24.6



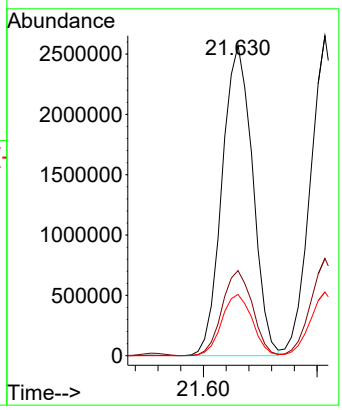


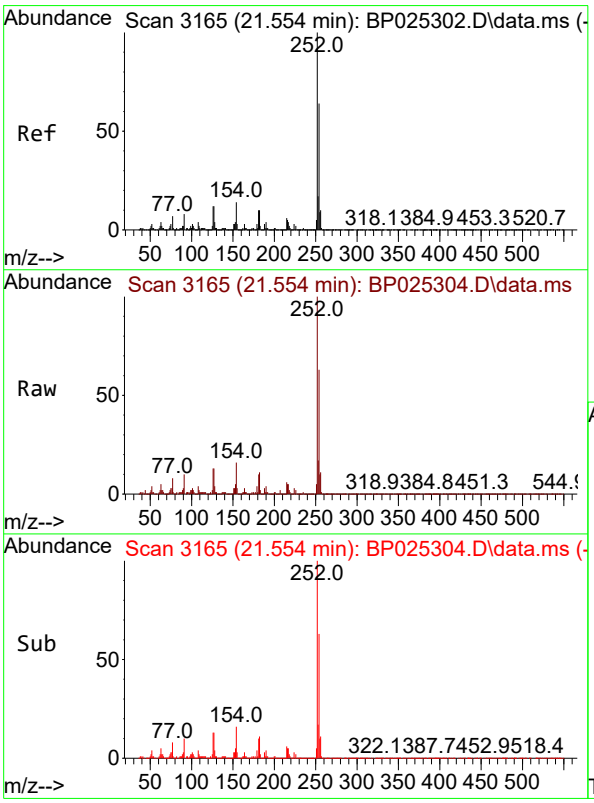
#81
Benzo(a)anthracene
Concen: 60.895 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4797252

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	16.0	24.0

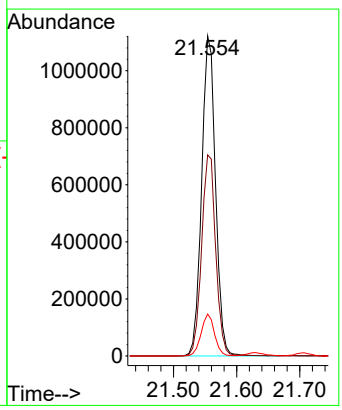


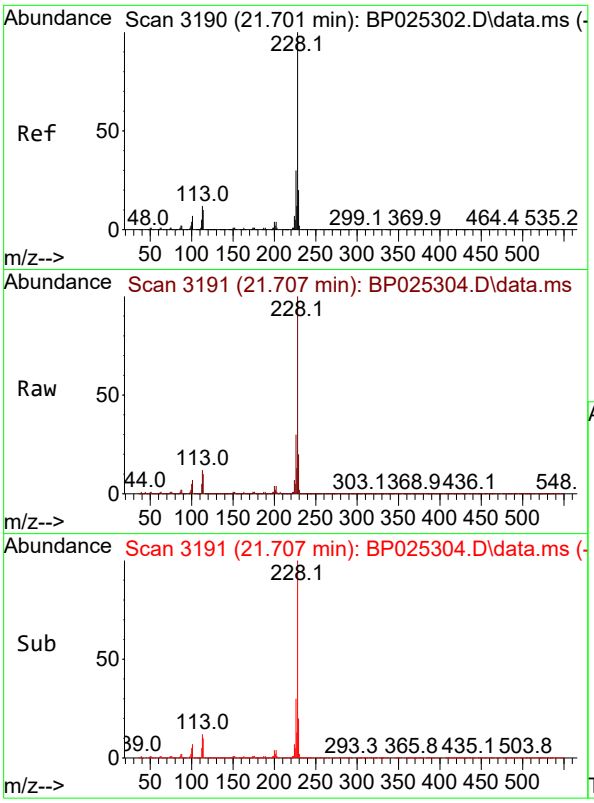


#82
3,3'-Dichlorobenzidine
Concen: 61.593 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 1711974

Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.0	76.6
126	13.1	9.4	14.2



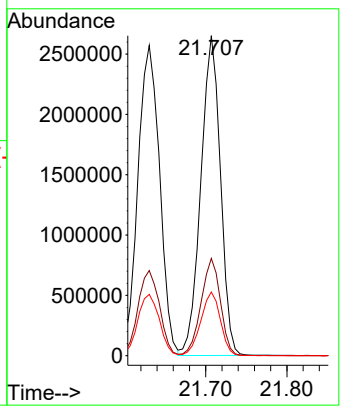


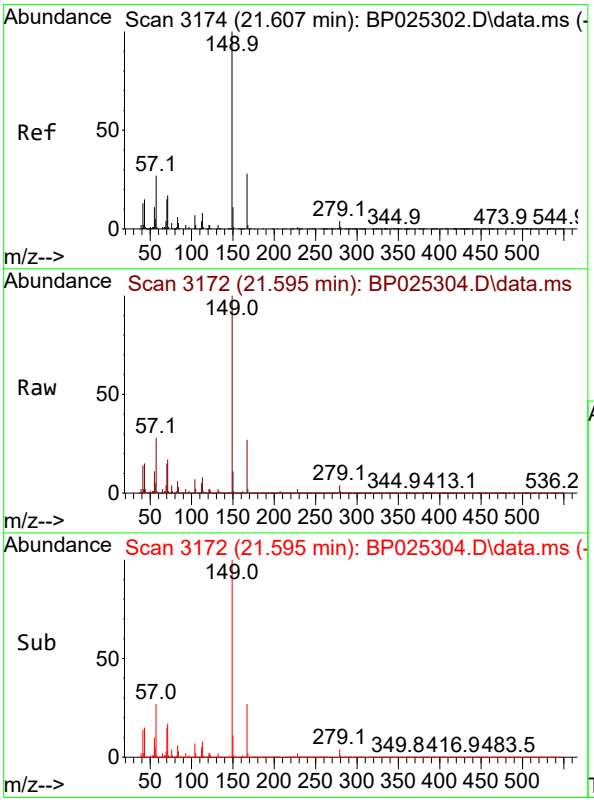
#83
Chrysene
Concen: 60.859 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4446807

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.9	23.9

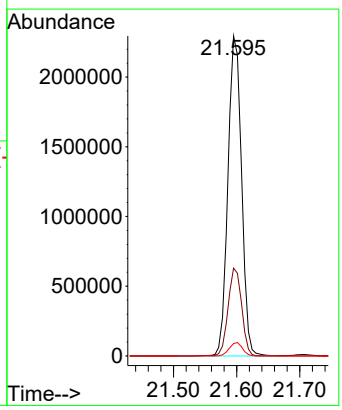


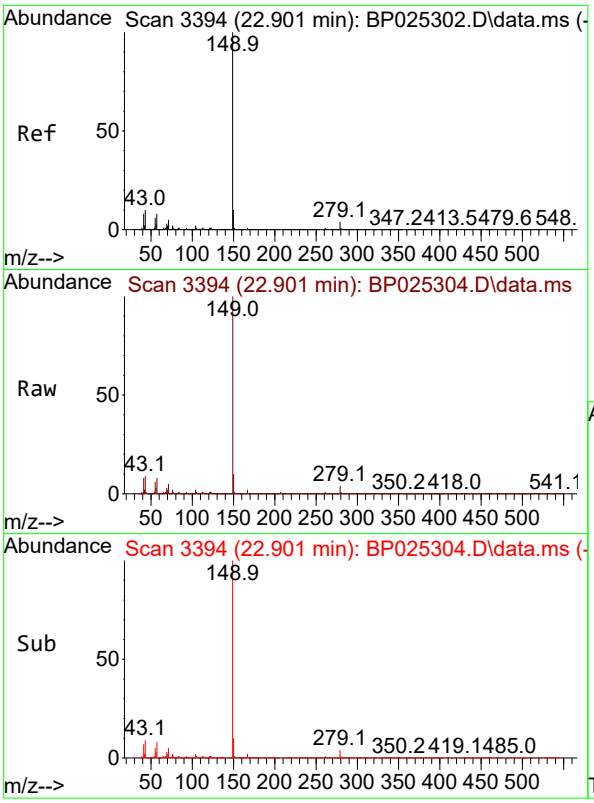


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.236 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:149 Resp: 3432511

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	3.9	3.4	5.2



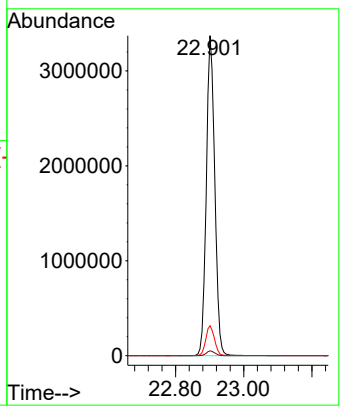


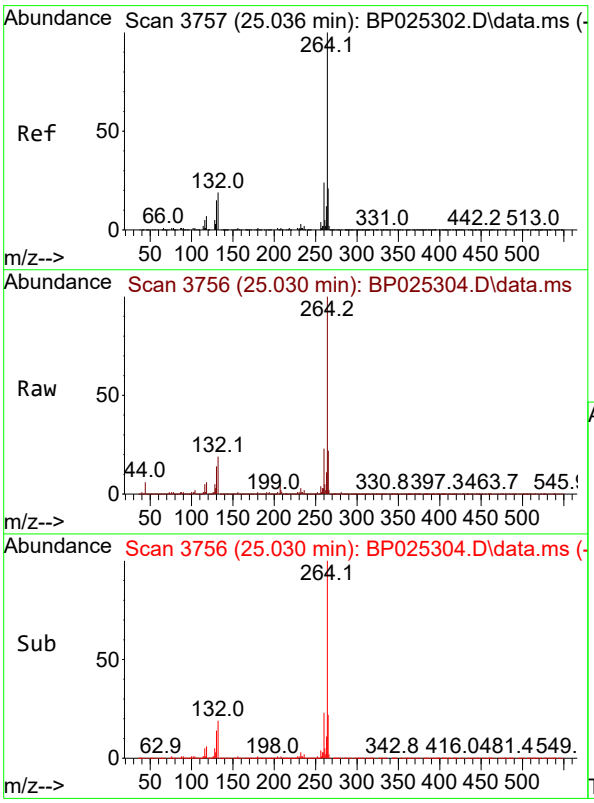
#85
Di-n-octyl phthalate
Concen: 67.988 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 5809639

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.6	7.9	11.9

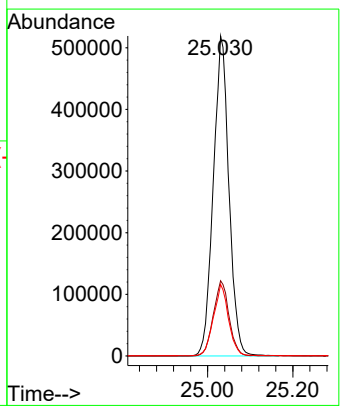


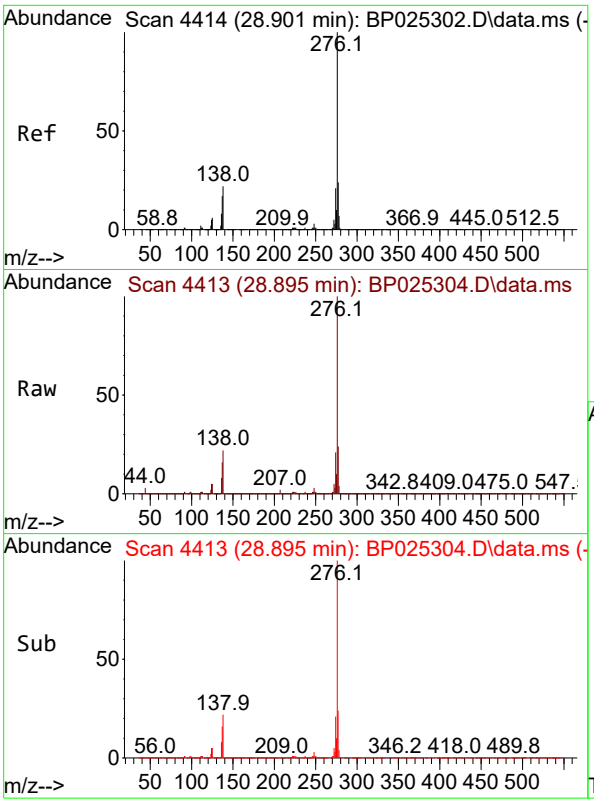


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:264 Resp: 1319773

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.1	25.7



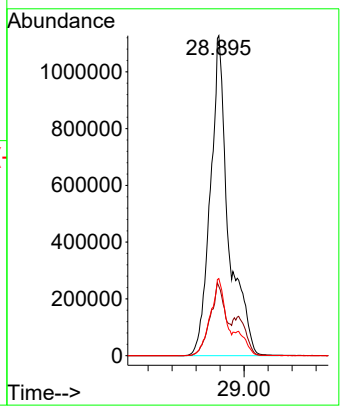


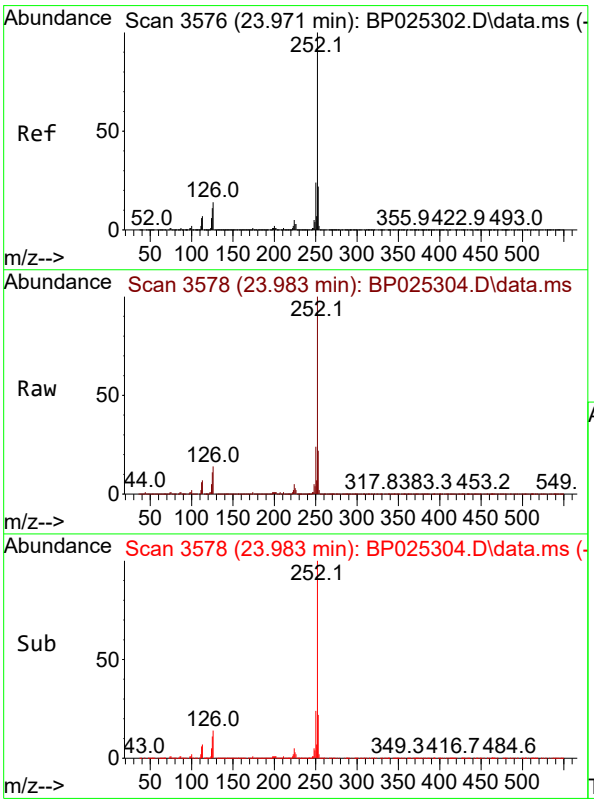
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.446 ng
RT: 28.895 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 5916006

Ion	Ratio	Lower	Upper
276	100		
138	19.7	14.6	22.0
277	20.0	16.8	25.2

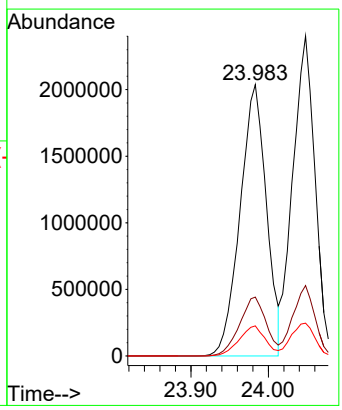


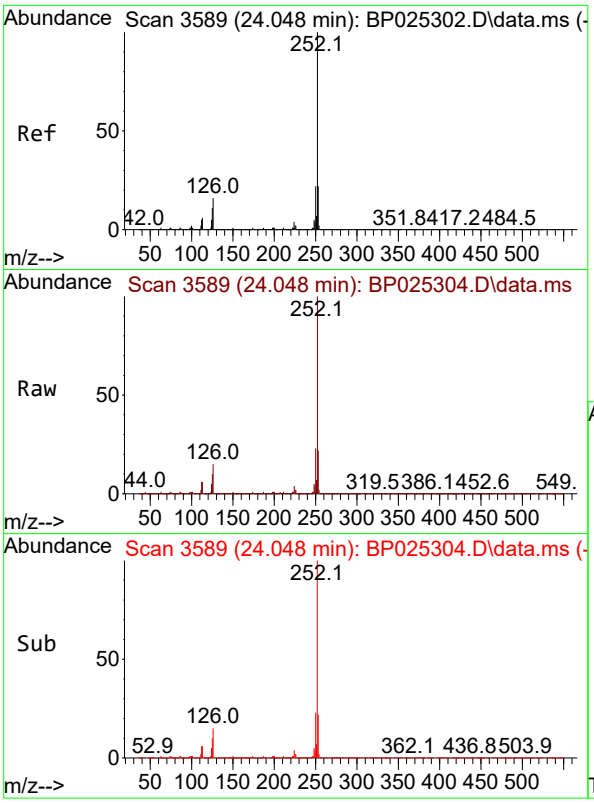


#88
Benzo(b)fluoranthene
Concen: 61.005 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 4819606

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.5	12.7



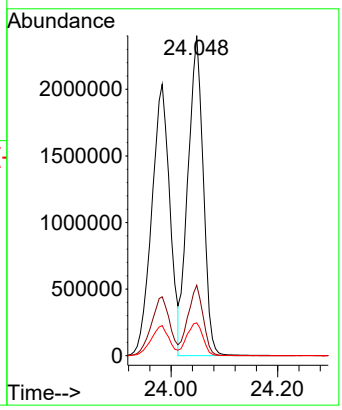


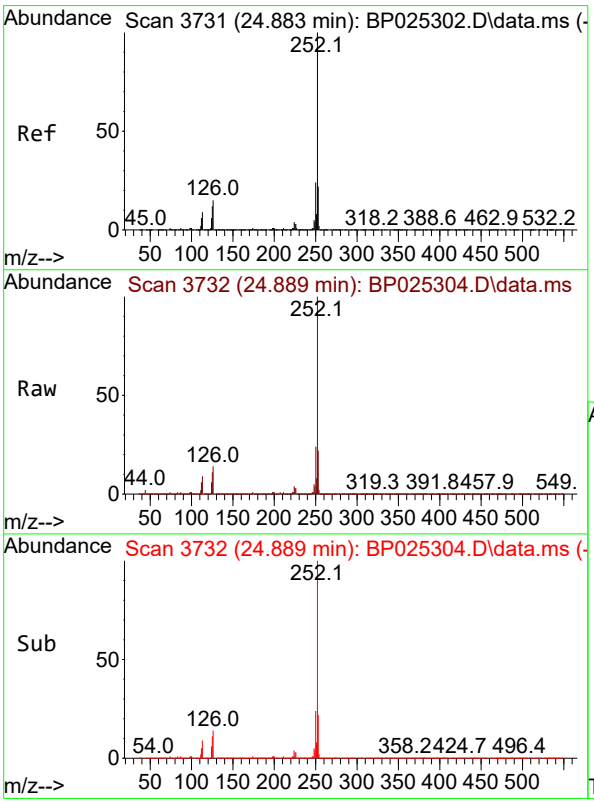
#89
Benzo(k)fluoranthene
Concen: 61.158 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 4789778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.2	8.5	12.7

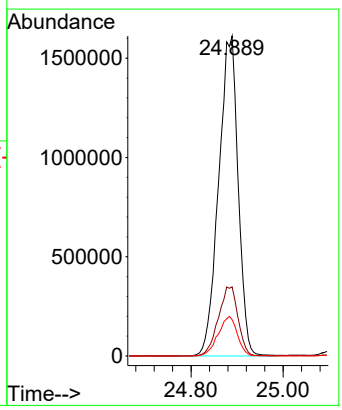


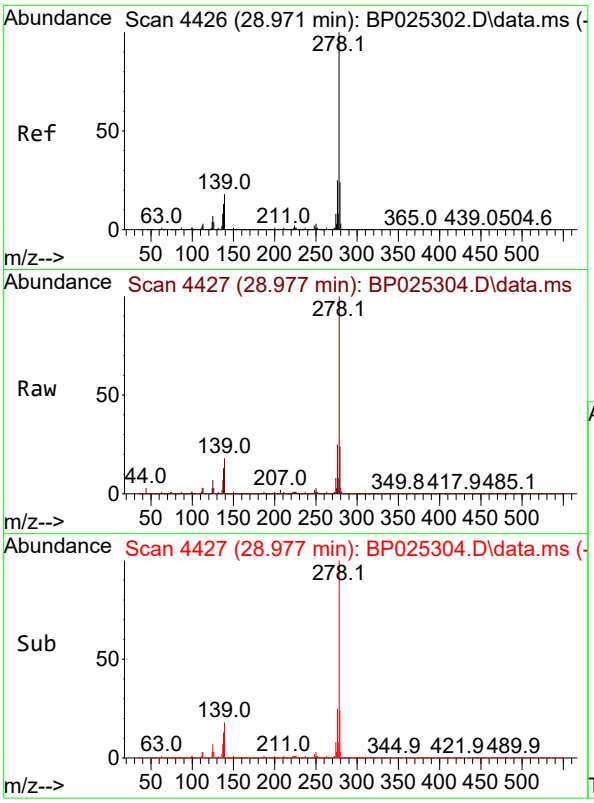


#90
Benzo(a)pyrene
Concen: 61.936 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:252 Resp: 4712258

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.4	9.4	14.0



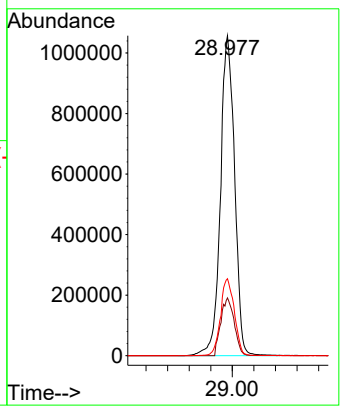


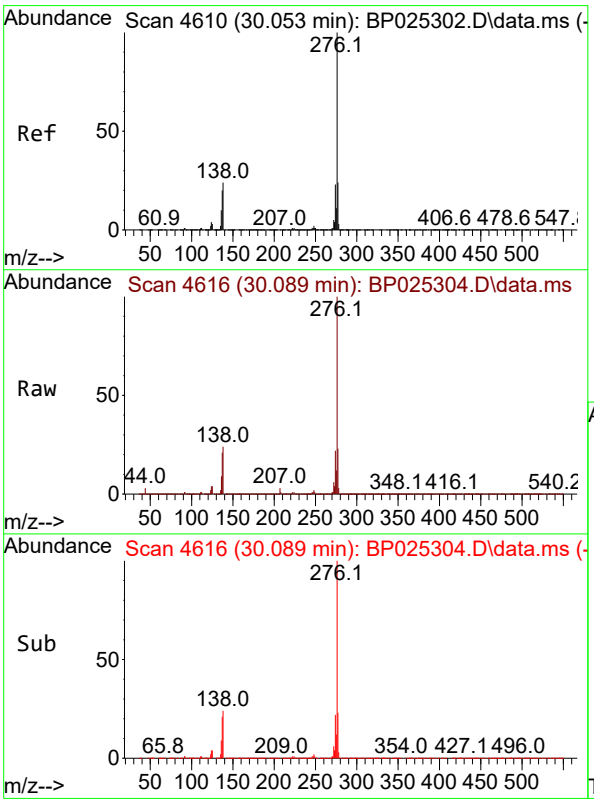
#91
Dibenzo(a,h)anthracene
Concen: 62.298 ng
RT: 28.977 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4826446

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.6	22.0
279	24.0	19.0	28.4

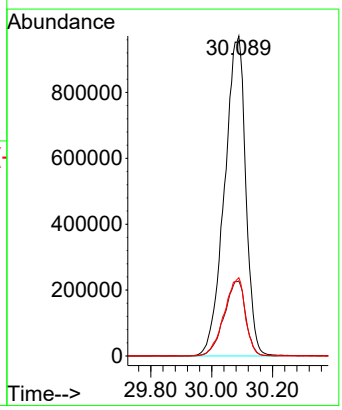




#92
Benzo(g,h,i)perylene
Concen: 61.731 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.036 min
Lab File: BP025304.D
Acq: 05 Aug 2025 16:10

Tgt Ion:276 Resp: 4694995

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	24.4	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	285381	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1243913	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	769412	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1520824	20.000	ng		0.00
76) Chrysene-d12	21.666	240	1412527	20.000	ng		0.00
86) Perylene-d12	25.048	264	1639865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	2797073	156.621	ng		0.00
7) Phenol-d6	6.972	99	3719514	157.885	ng		0.00
23) Nitrobenzene-d5	8.949	82	3774237	164.165	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	1324517	166.729	ng		0.01
45) 2-Fluorobiphenyl	13.037	172	8021955	144.776	ng		0.00
79) Terphenyl-d14	19.942	244	10705690	143.182	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	525165	75.001	ng		99
3) Pyridine	3.726	79	1537458	79.031	ng		99
4) n-Nitrosodimethylamine	3.637	42	725458	80.324	ng	#	98
6) Aniline	7.137	93	2546940	79.451	ng		99
8) 2-Chlorophenol	7.372	128	1591247	81.930	ng		99
9) Benzaldehyde	6.949	77	972607m	58.640	ng		
10) Phenol	7.002	94	1969060	78.808	ng		99
11) bis(2-Chloroethyl)ether	7.231	93	1515396	77.407	ng		99
12) 1,3-Dichlorobenzene	7.696	146	1676489	76.821	ng		99
13) 1,4-Dichlorobenzene	7.837	146	1694172	76.733	ng		99
14) 1,2-Dichlorobenzene	8.149	146	1649525	77.123	ng		99
15) Benzyl Alcohol	8.037	79	1447720	79.979	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.331	45	2321074	75.053	ng		100
17) 2-Methylphenol	8.231	107	1340886	80.204	ng		98
18) Hexachloroethane	8.878	117	627491	79.471	ng		98
19) n-Nitroso-di-n-propyla...	8.614	70	1169323	76.214	ng		99
20) 3+4-Methylphenols	8.561	107	1841296	79.981	ng		99
22) Acetophenone	8.614	105	2348273	75.200	ng	#	99
24) Nitrobenzene	8.990	77	1719289	80.892	ng		99
25) Isophorone	9.513	82	3440086	76.970	ng		100
26) 2-Nitrophenol	9.690	139	813124	84.806	ng		97
27) 2,4-Dimethylphenol	9.749	122	1547266	75.090	ng		96
28) bis(2-Chloroethoxy)met...	9.990	93	2054235	75.555	ng		100
29) 2,4-Dichlorophenol	10.219	162	1494161	82.826	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	1535792	77.166	ng		99
31) Naphthalene	10.625	128	4861744	75.289	ng		100
32) Benzoic acid	9.931	122	1160103	79.253	ng		99
33) 4-Chloroaniline	10.719	127	2255163	78.523	ng		100
34) Hexachlorobutadiene	10.919	225	895811	78.411	ng		98
35) Caprolactam	11.519	113	561767m	80.094	ng		
36) 4-Chloro-3-methylphenol	11.837	107	1681089	80.535	ng		100
37) 2-Methylnaphthalene	12.231	142	3204508	76.670	ng		100
38) 1-Methylnaphthalene	12.443	142	3235826	74.197	ng		99
40) 1,2,4,5-Tetrachloroben...	12.602	216	1636320	77.897	ng		100
41) Hexachlorocyclopentadiene	12.590	237	1117188	86.171	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	1177739	86.791	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	1300802	85.453	ng		99
46) 1,1'-Biphenyl	13.243	154	4292450	75.702	ng		100
47) 2-Chloronaphthalene	13.284	162	3350157	77.444	ng		99
48) 2-Nitroaniline	13.478	65	1036853	79.733	ng		97
49) Acenaphthylene	14.143	152	5538691	76.758	ng		99
50) Dimethylphthalate	13.878	163	4226530	75.353	ng		100
51) 2,6-Dinitrotoluene	13.984	165	935818	90.453	ng		94
52) Acenaphthene	14.490	154	3405740	77.379	ng		99
53) 3-Nitroaniline	14.313	138	1104703	91.252	ng		96
54) 2,4-Dinitrophenol	14.519	184	457765	79.662	ng	#	51
55) Dibenzofuran	14.831	168	4843609	73.640	ng		99
56) 4-Nitrophenol	14.619	139	918340	85.952	ng		97
57) 2,4-Dinitrotoluene	14.784	165	1324025	80.213	ng		99
58) Fluorene	15.484	166	3580163	69.303	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.048	232	1079472	84.394	ng		99
60) Diethylphthalate	15.266	149	4248904	75.138	ng		99
61) 4-Chlorophenyl-phenyle...	15.490	204	1716628	70.093	ng		99
62) 4-Nitroaniline	15.507	138	1042796	86.933	ng		97
63) Azobenzene	15.784	77	4018242	76.490	ng		99
65) 4,6-Dinitro-2-methylph...	15.560	198	653490	78.886	ng		95
66) n-Nitrosodiphenylamine	15.695	169	3479218	75.135	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	1177395	76.943	ng		99
68) Hexachlorobenzene	16.519	284	1326894	77.280	ng		98
69) Atrazine	16.678	200	1273257	78.187	ng		99
70) Pentachlorophenol	16.860	266	946571	86.531	ng		99
71) Phenanthrene	17.266	178	6128568	73.575	ng		99
72) Anthracene	17.360	178	6185852	73.651	ng		99
73) Carbazole	17.631	167	5994709	74.355	ng		99
74) Di-n-butylphthalate	18.237	149	7426722	76.144	ng		100
75) Fluoranthene	19.336	202	6952158	72.098	ng		99
77) Benzidine	19.525	184	3244549	63.462	ng		99
78) Pyrene	19.713	202	7242380	77.104	ng		99
80) Butylbenzylphthalate	20.672	149	3308374	86.846	ng		98
81) Benzo(a)anthracene	21.648	228	7117868	75.830	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	2604409	78.640	ng		99
83) Chrysene	21.713	228	6581498	75.596	ng		100
84) Bis(2-ethylhexyl)phtha...	21.601	149	4983234	81.923	ng		100
85) Di-n-octyl phthalate	22.907	149	8622615	84.688	ng		99
87) Indeno(1,2,3-cd)pyrene	28.912	276	9444318m	80.231	ng		
88) Benzo(b)fluoranthene	23.983	252	7663180	78.064	ng		99
89) Benzo(k)fluoranthene	24.060	252	7472413	76.787	ng		99
90) Benzo(a)pyrene	24.895	252	7402973	78.309	ng		99
91) Dibenzo(a,h)anthracene	29.018	278	7708950	80.082	ng		99
92) Benzo(g,h,i)perylene	30.106	276	7590772m	80.324	ng		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

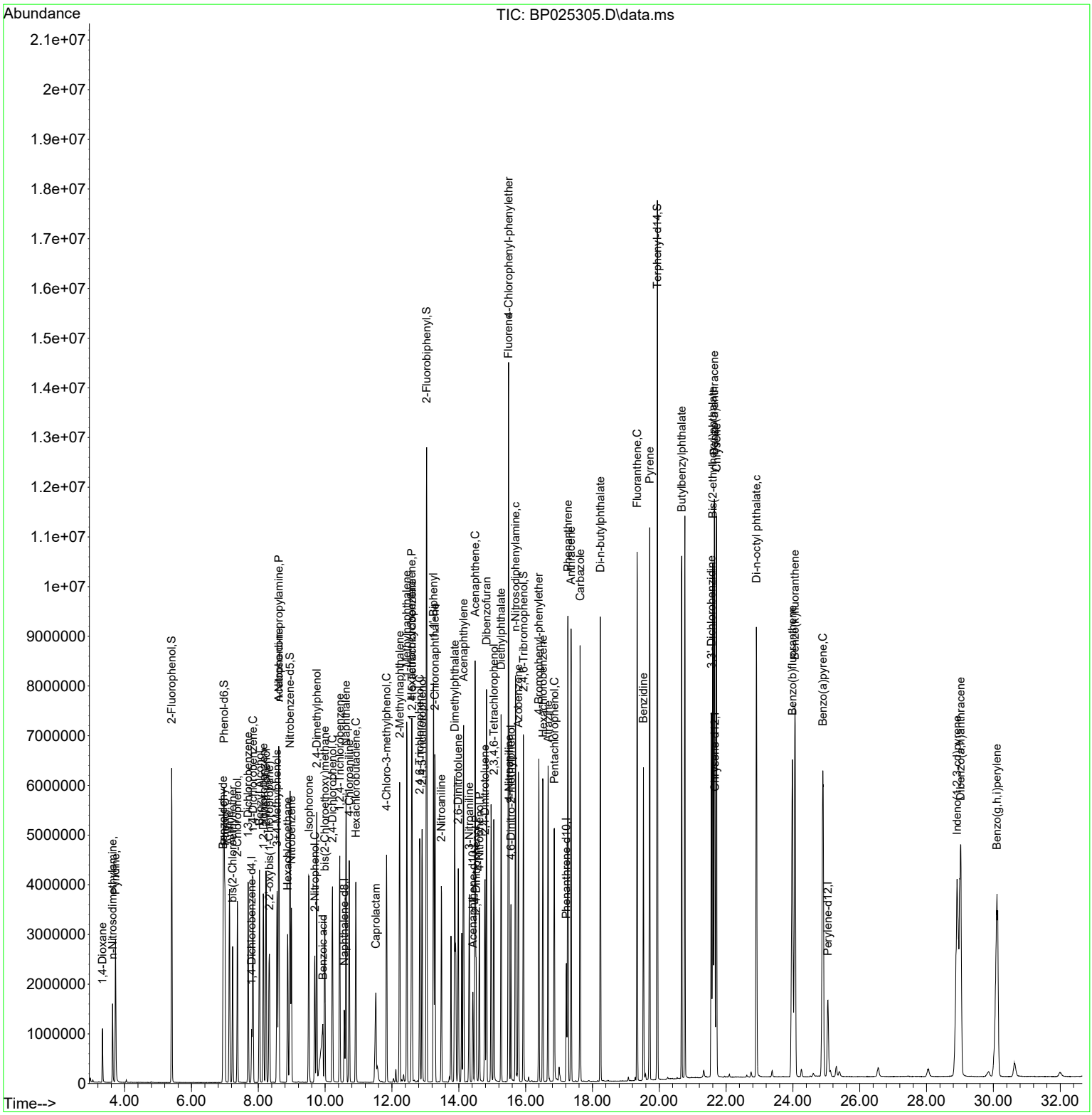
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

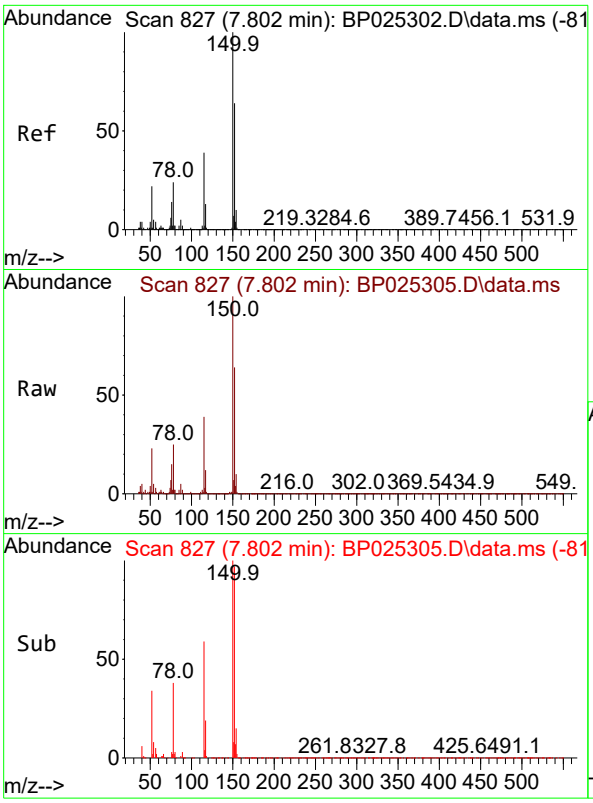
Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

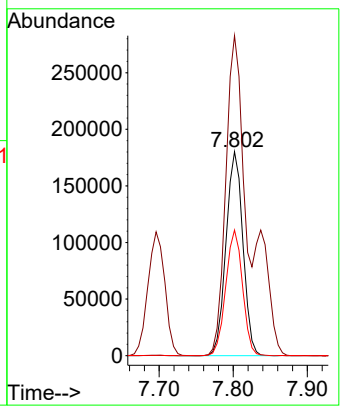




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:152 Resp: 28538

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.1	187.7
115	61.5	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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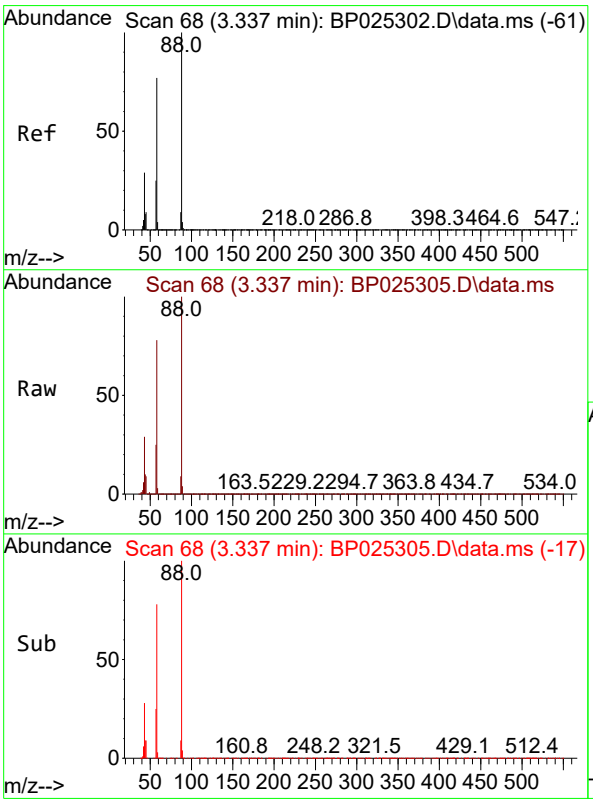
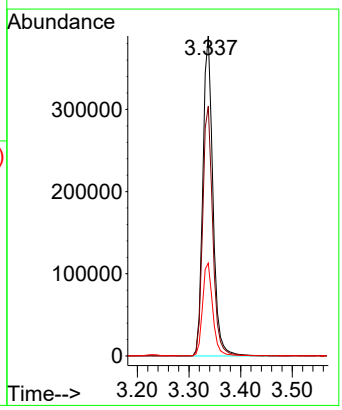
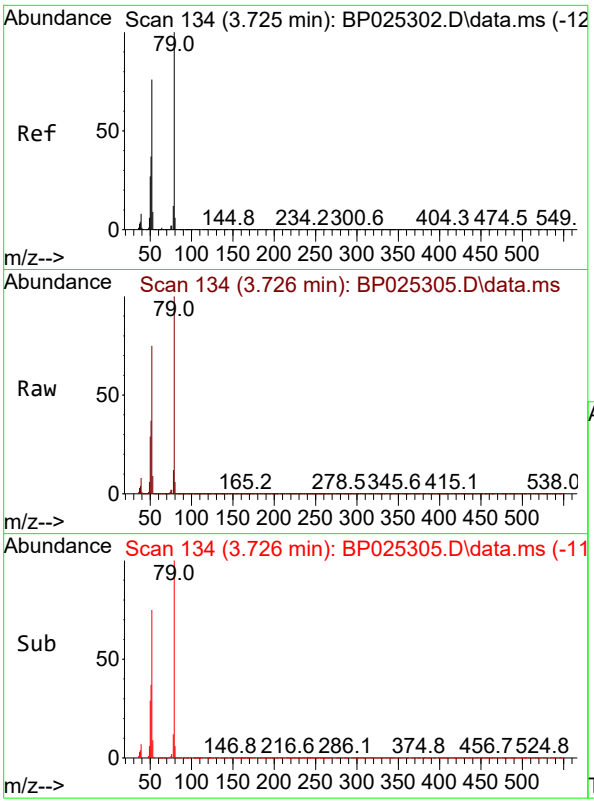


#2
1,4-Dioxane
Concen: 75.001 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 88 Resp: 525165

Ion	Ratio	Lower	Upper
88	100		
58	78.4	61.9	92.9
43	29.2	24.2	36.2

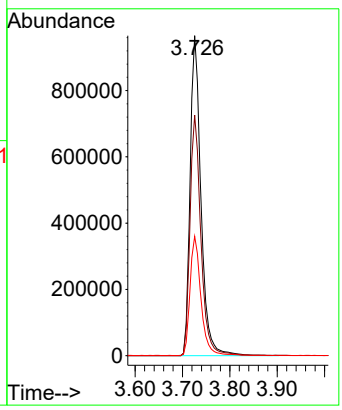




#3
Pyridine
Concen: 79.031 ng
RT: 3.726 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 79 Resp: 153745

Ion	Ratio	Lower	Upper
79	100		
52	75.2	60.5	90.7
51	37.3	30.2	45.2



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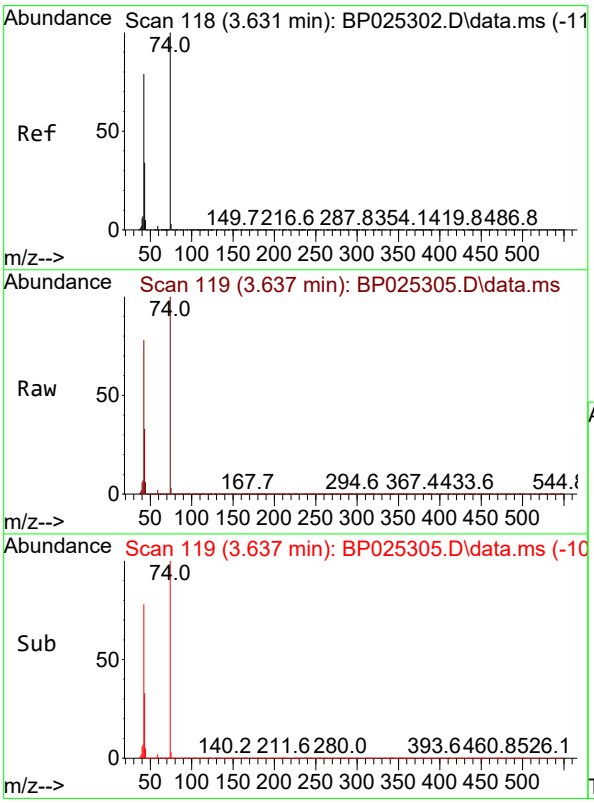
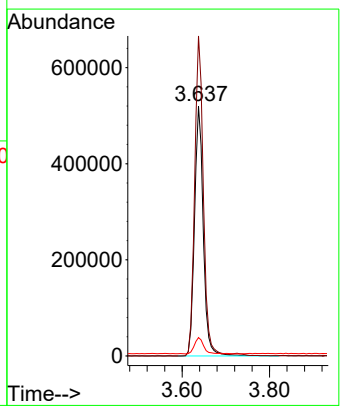
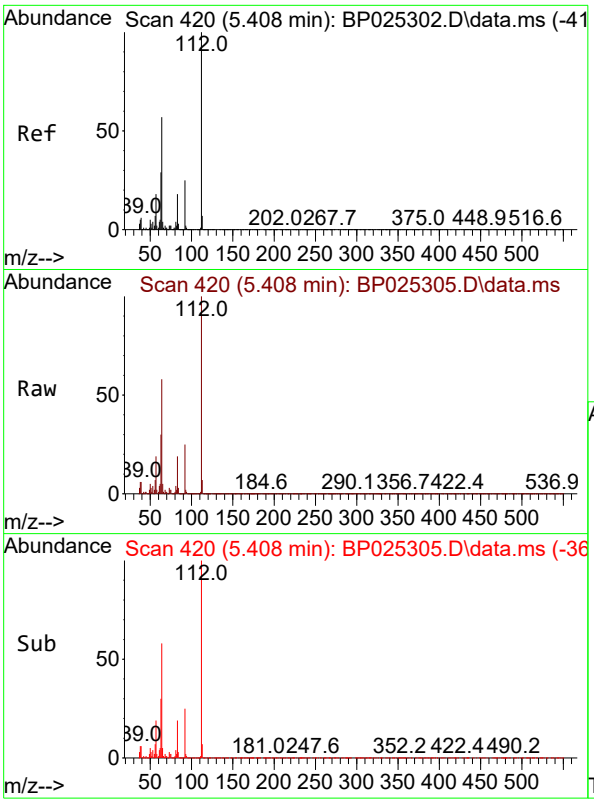


#4
n-Nitrosodimethylamine
Concen: 80.324 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 42 Resp: 725458

Ion	Ratio	Lower	Upper
42	100		
74	128.2	101.4	152.2
44	7.4	7.6	11.4#

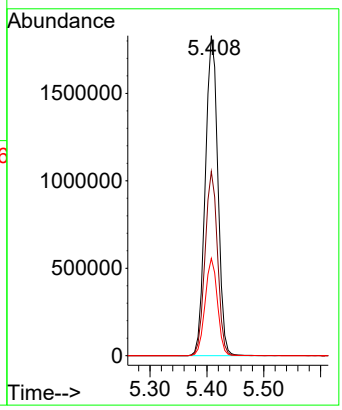




#5
2-Fluorophenol
Concen: 156.621 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:112 Resp: 279707

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	30.4	23.0	34.6



Instrument :
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ClientSampleId :
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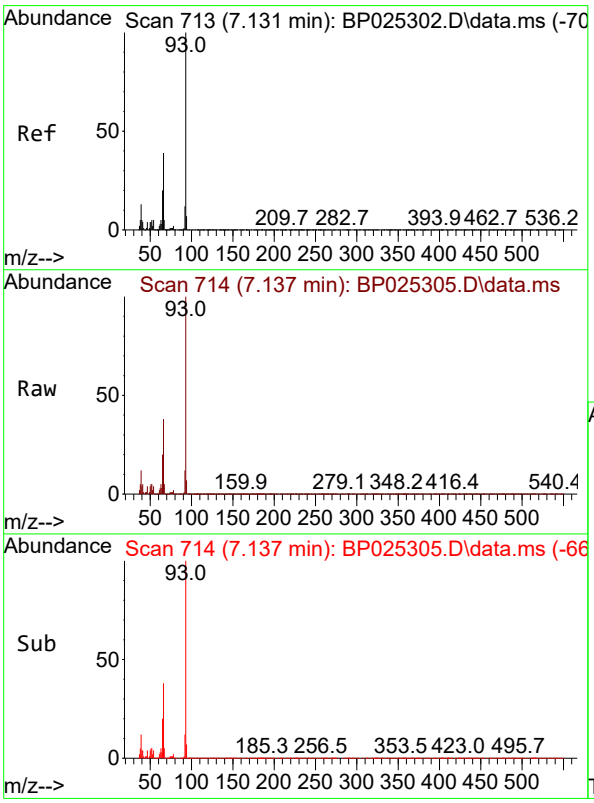
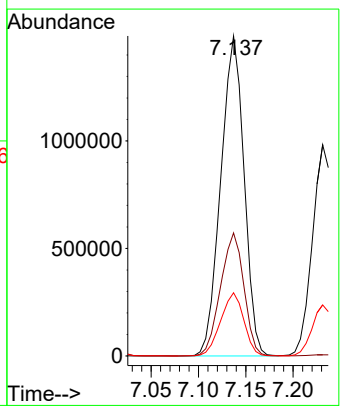
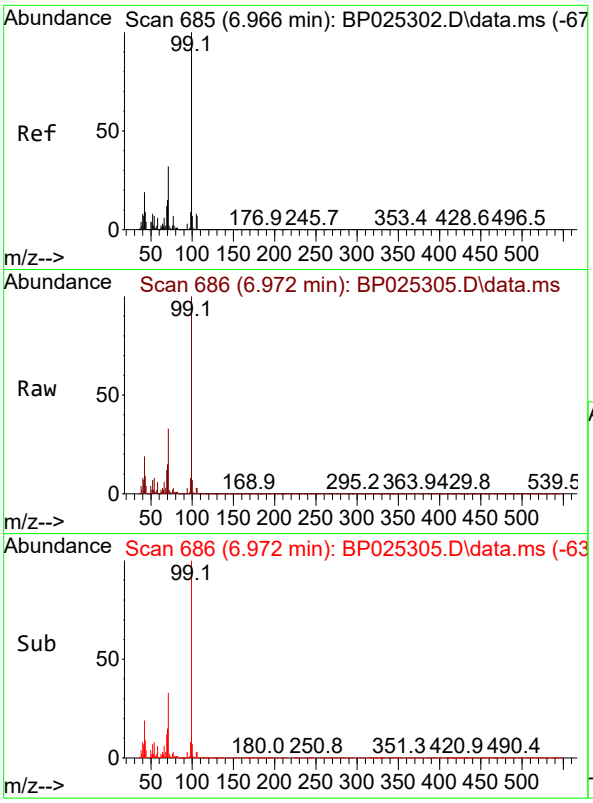


#6
Aniline
Concen: 79.451 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2546940

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.1	46.7
65	19.7	15.8	23.8

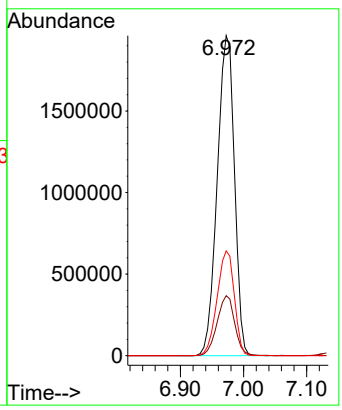




#7
Phenol-d6
Concen: 157.885 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 99 Resp: 371951

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.6
71	32.7	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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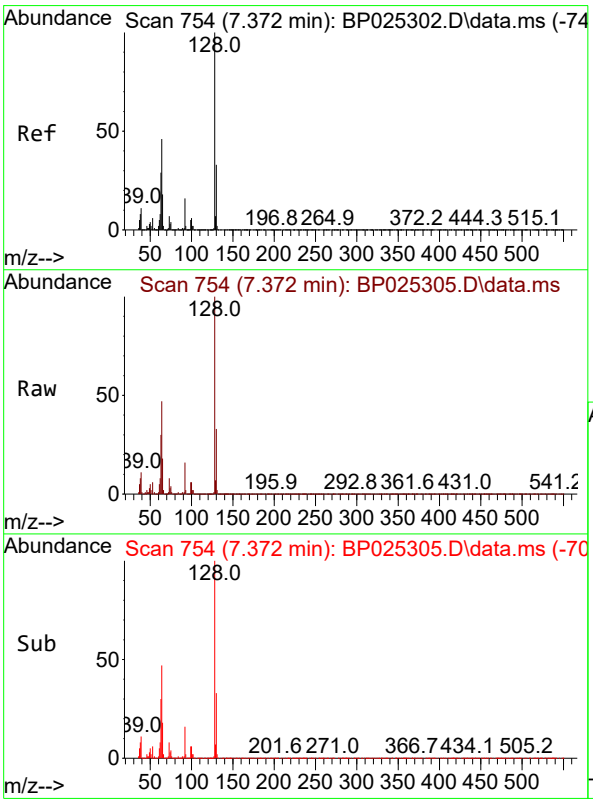
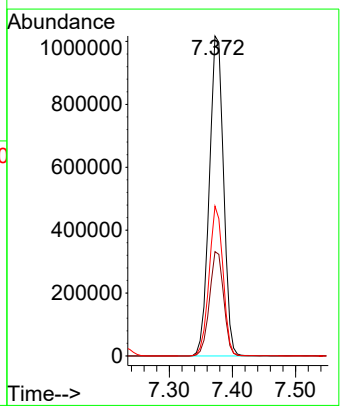
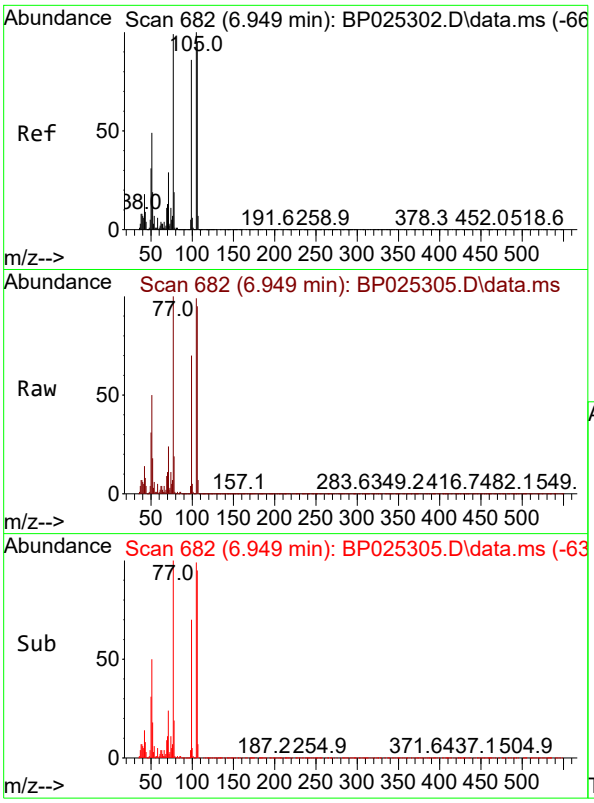


#8
2-Chlorophenol
Concen: 81.930 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:128 Resp: 1591247

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	46.8	26.1	66.1

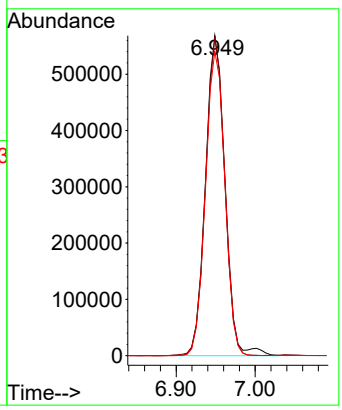




#9
Benzaldehyde
Concen: 58.640 ng m
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 97260

Ion	Ratio	Lower	Upper
77	100		
105	99.3	81.4	121.4
106	95.1	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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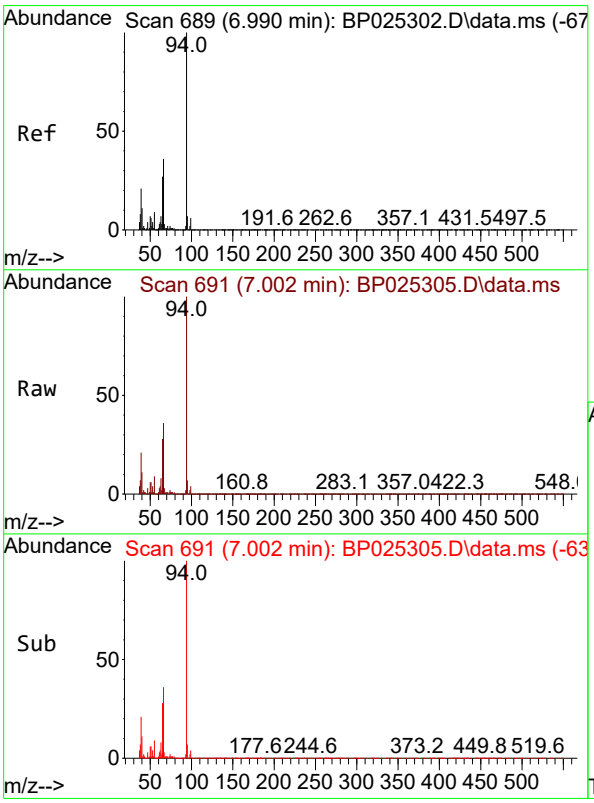
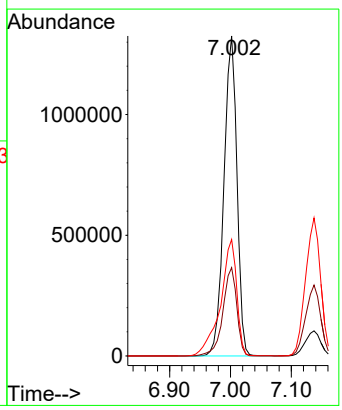
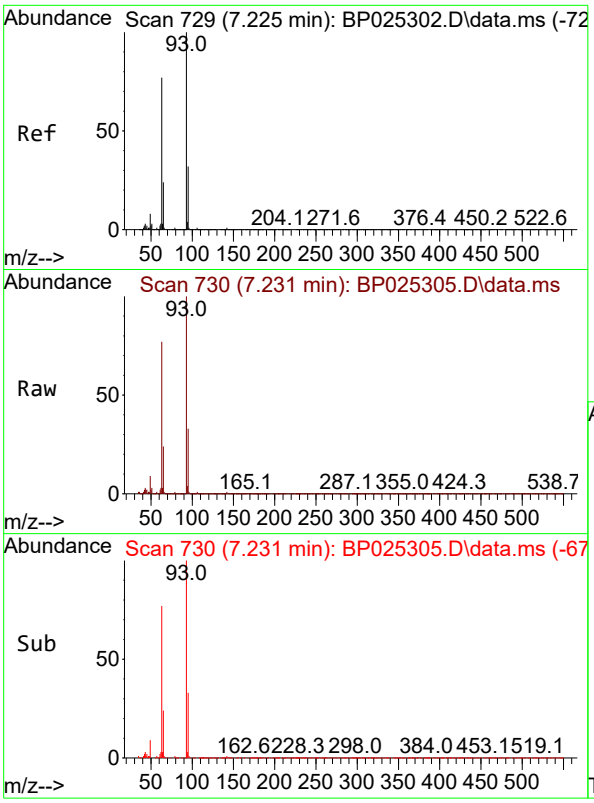


#10
Phenol
Concen: 78.808 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 94 Resp: 1969060

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.3	47.3
66	36.4	15.7	55.7

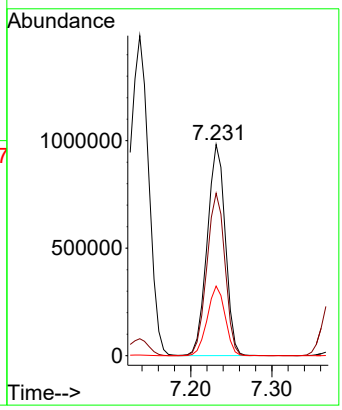




#11
bis(2-Chloroethyl)ether
Concen: 77.407 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 151539

Ion	Ratio	Lower	Upper
93	100		
63	76.9	57.0	97.0
95	32.9	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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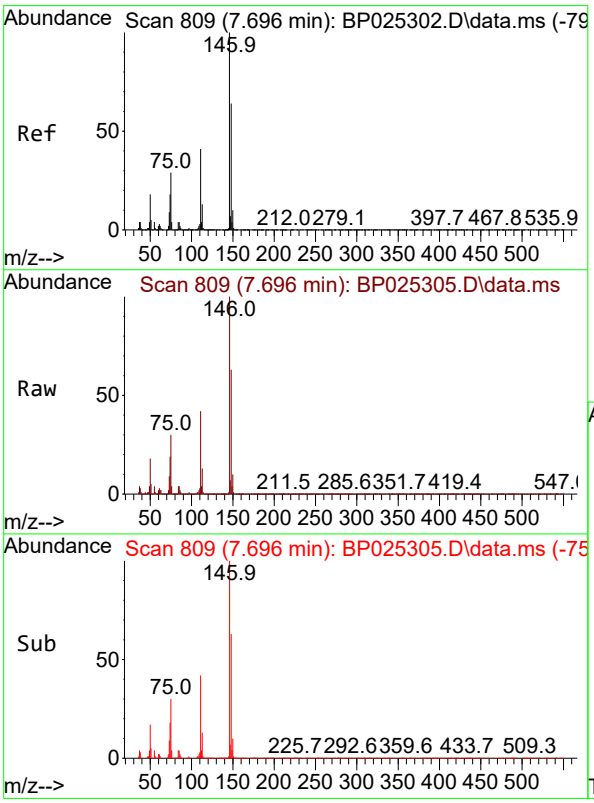
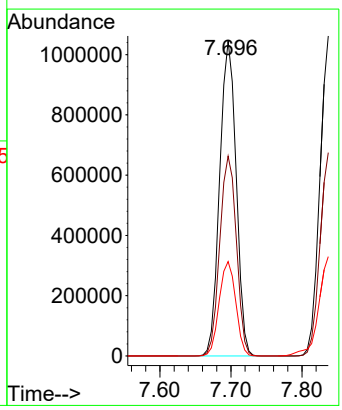
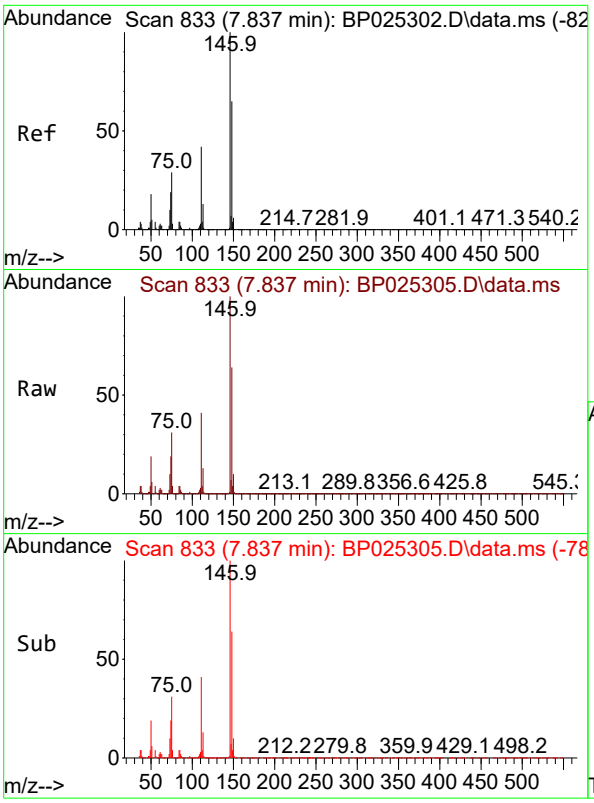


#12
1,3-Dichlorobenzene
Concen: 76.821 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1676489

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
75	30.0	23.2	34.8

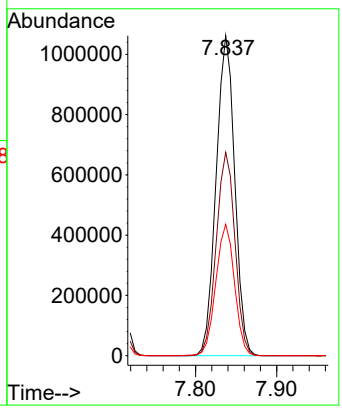




#13
1,4-Dichlorobenzene
Concen: 76.733 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 169417

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	41.1	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
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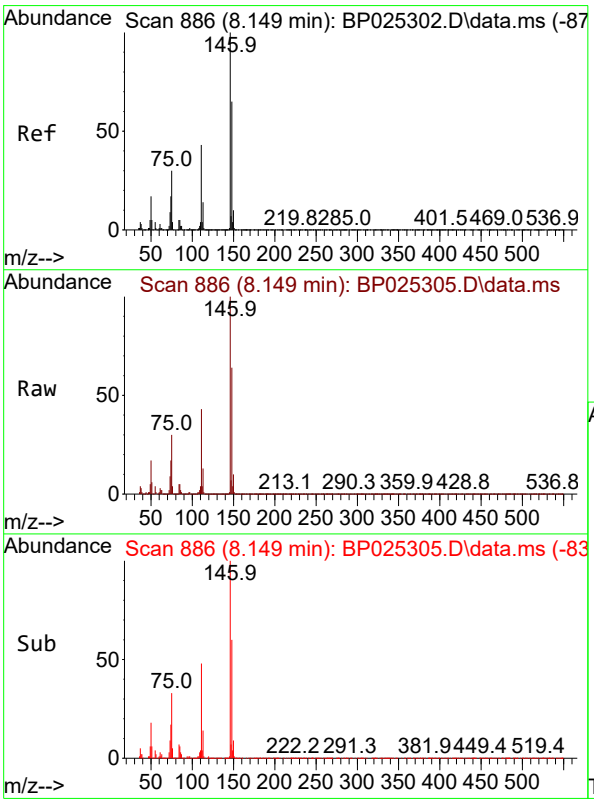
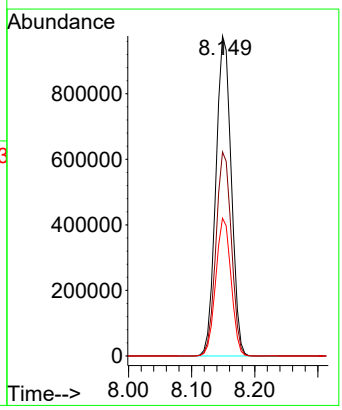
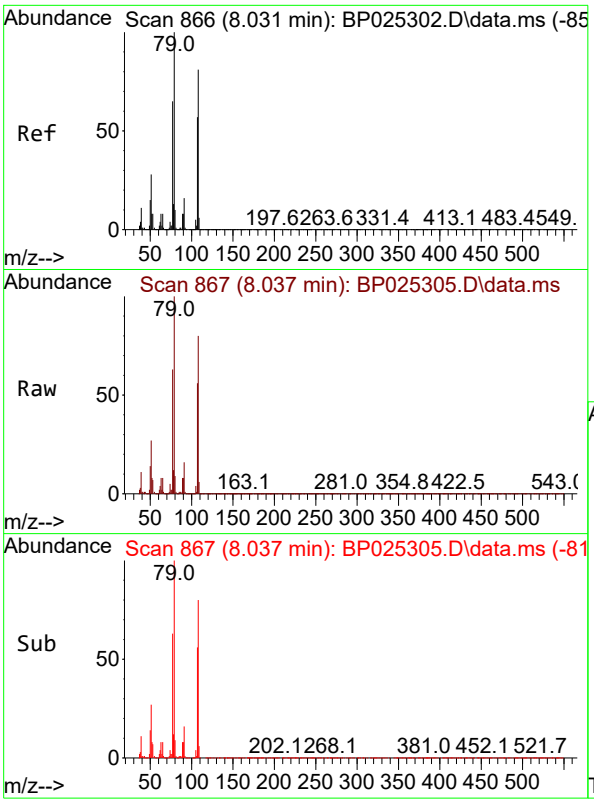


#14
1,2-Dichlorobenzene
Concen: 77.123 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1649525

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
111	43.1	34.4	51.6

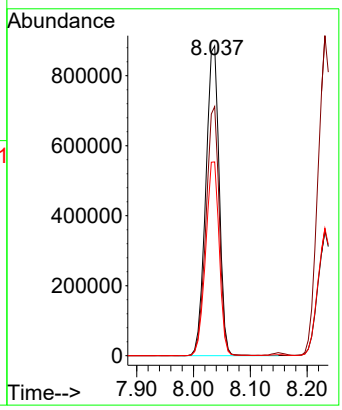




#15
Benzyl Alcohol
Concen: 79.979 ng
RT: 8.037 min Scan# 8(
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 79 Resp: 144772(

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	62.5	51.9	77.9



Instrument :
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ClientSampleId :
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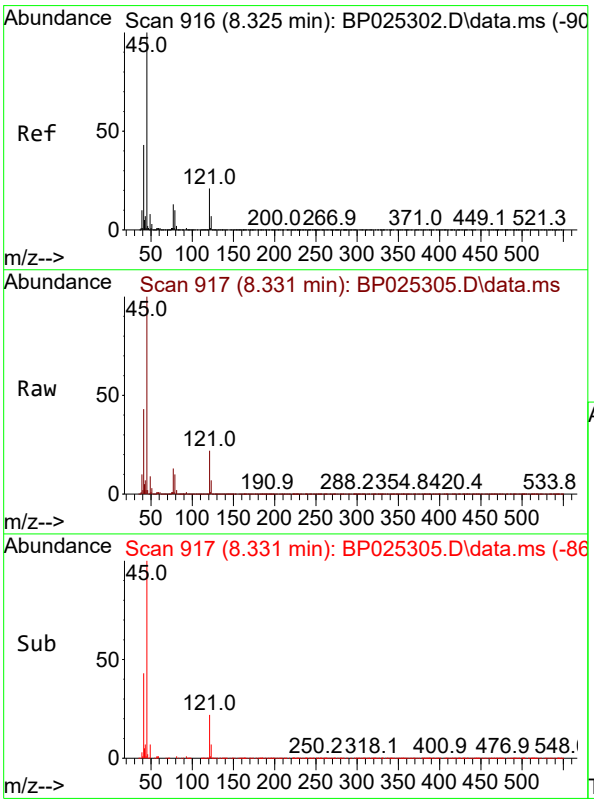
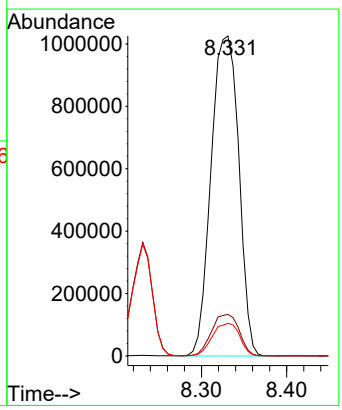
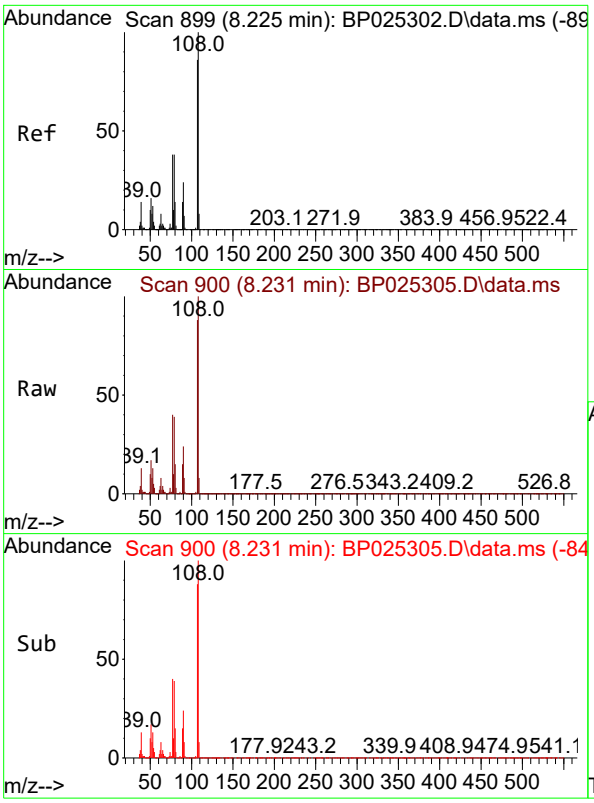


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.053 ng
RT: 8.331 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 45 Resp: 2321074

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	10.2	0.0	29.8

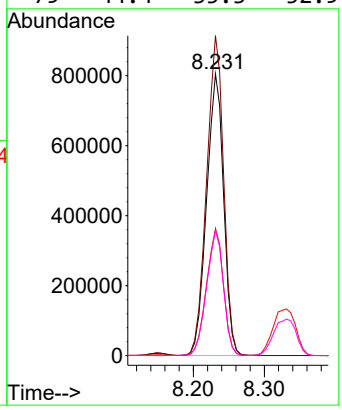




#17
2-Methylphenol
Concen: 80.204 ng
RT: 8.231 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 134088(

Ion	Ratio	Lower	Upper
107	100		
108	113.6	92.6	139.0
77	45.2	35.4	53.2
79	44.4	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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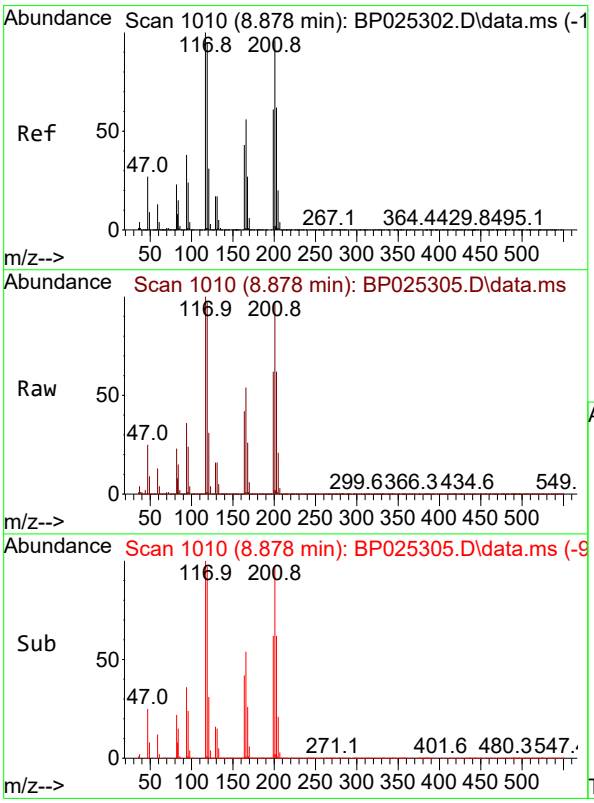
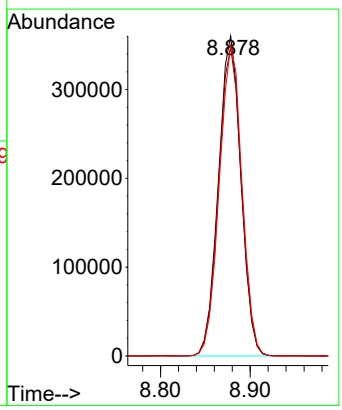
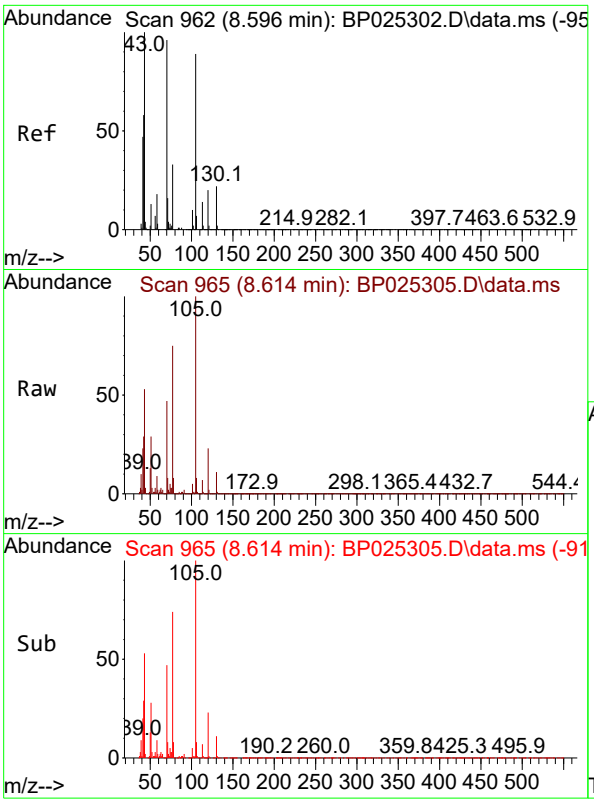


#18
Hexachloroethane
Concen: 79.471 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:117 Resp: 627491

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	97.1	76.6	114.8

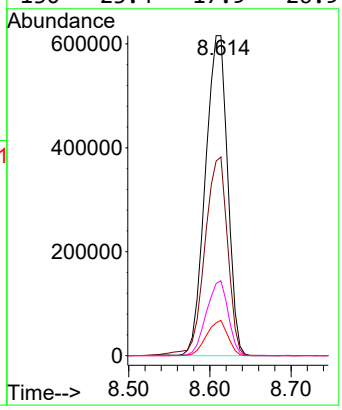




#19
n-Nitroso-di-n-propylamine
Concen: 76.214 ng
RT: 8.614 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 70 Resp: 116932

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	11.1	7.9	11.9
130	23.4	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
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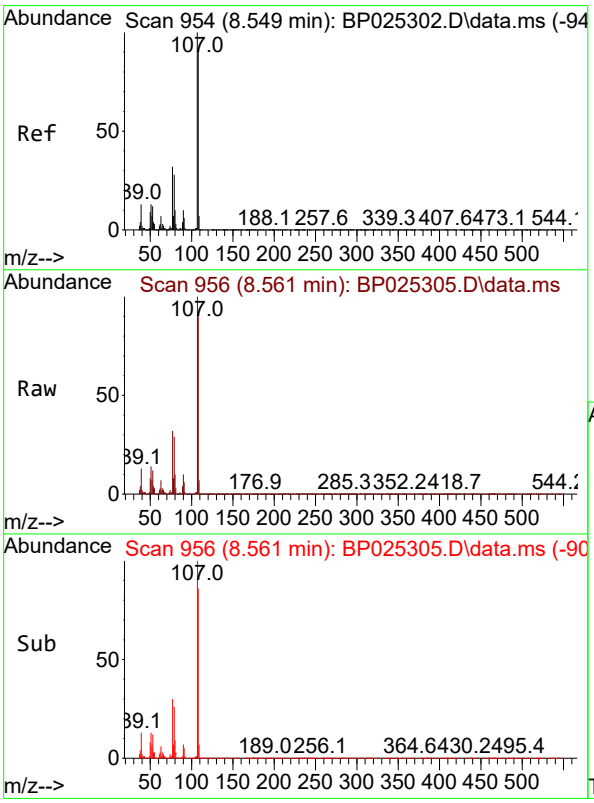
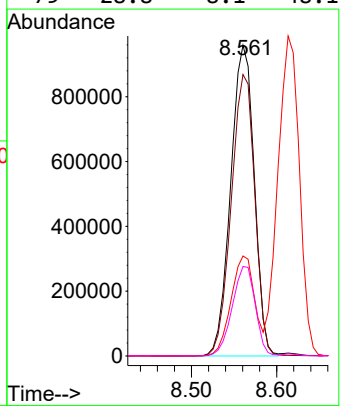
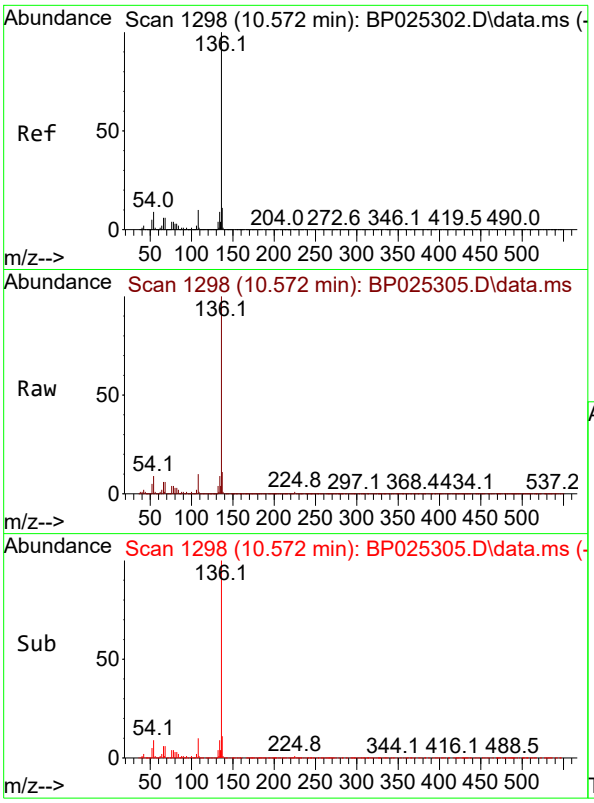


#20
3+4-Methylphenols
Concen: 79.981 ng
RT: 8.561 min Scan# 956
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1841296

Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.9	111.9
77	32.2	12.0	52.0
79	28.8	8.1	48.1

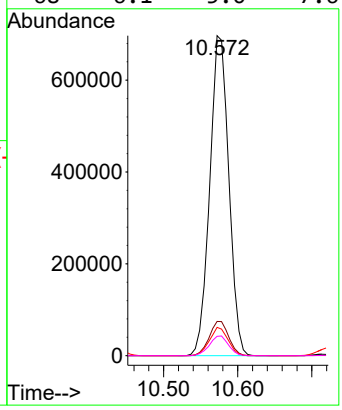




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:136 Resp: 124391

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.9	7.0	10.6
68	6.1	5.0	7.6



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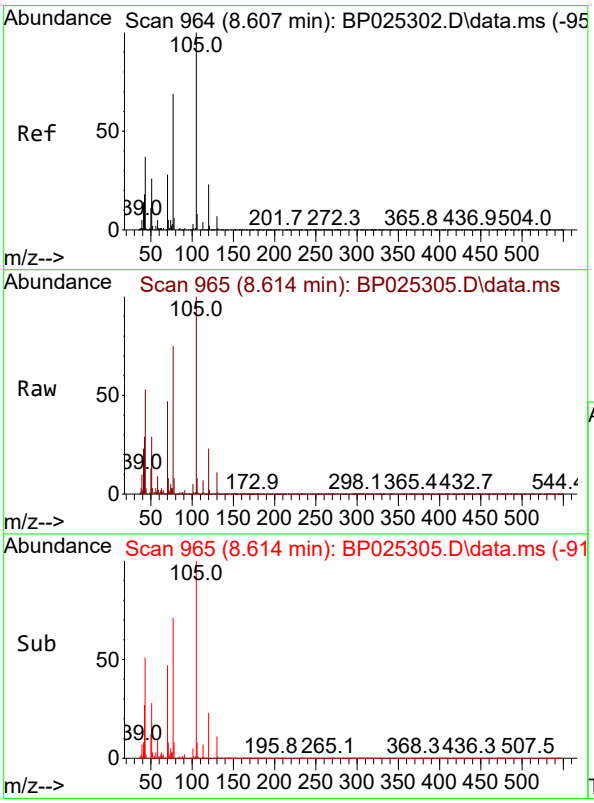
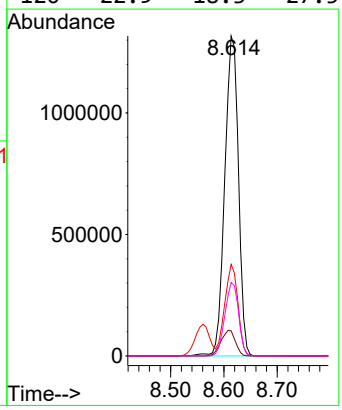
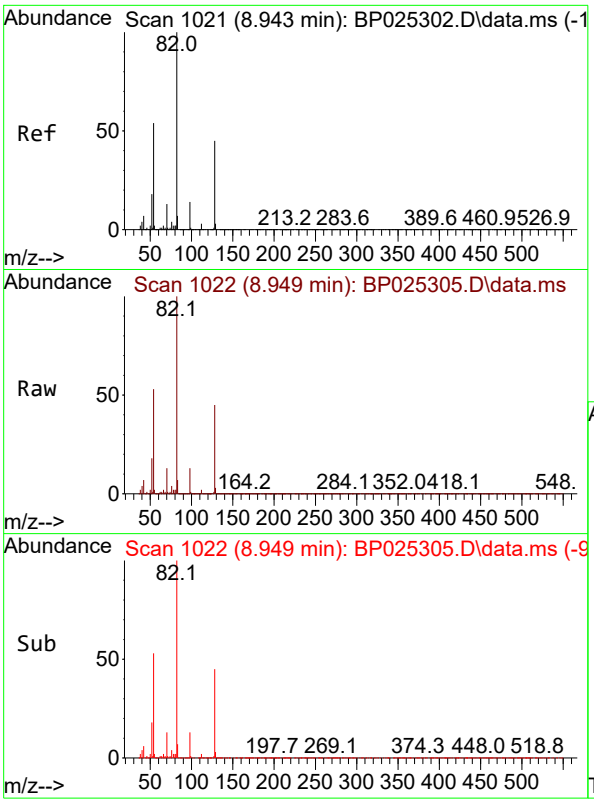


#22
Acetophenone
Concen: 75.200 ng
RT: 8.614 min Scan# 965
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:105 Resp: 2348273

Ion	Ratio	Lower	Upper
105	100		
71	7.9	4.1	6.1#
51	28.6	22.7	34.1
120	22.9	18.3	27.5

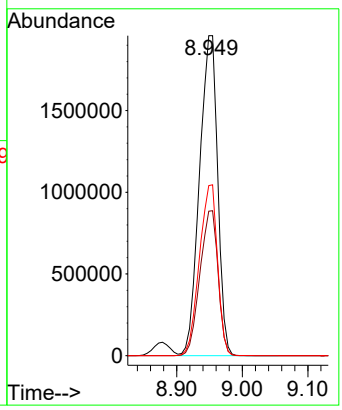




#23
Nitrobenzene-d5
Concen: 164.165 ng
RT: 8.949 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 82 Resp: 377423

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.4	53.2
54	53.1	42.9	64.3



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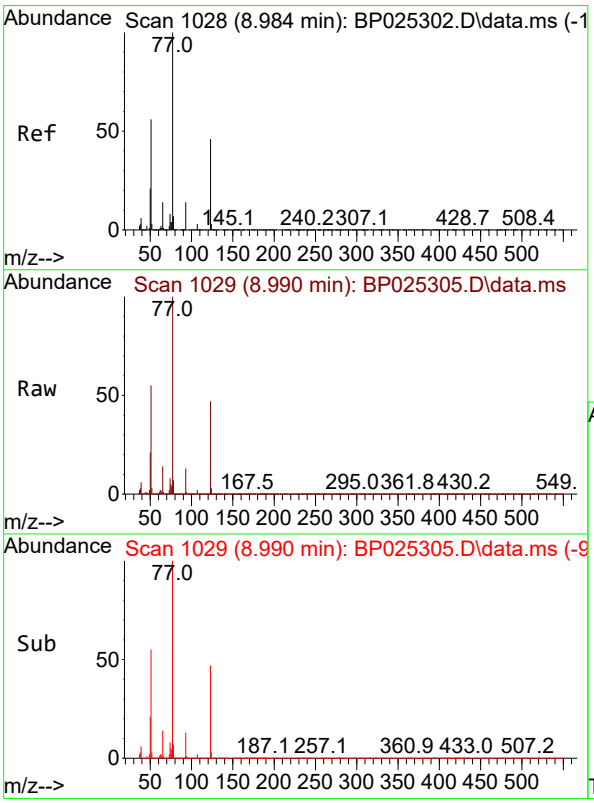
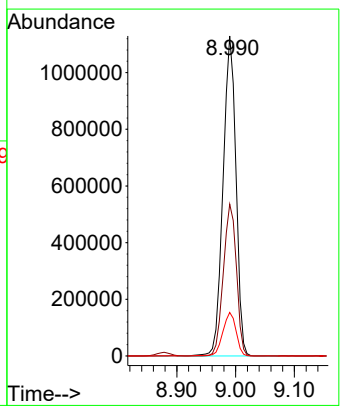
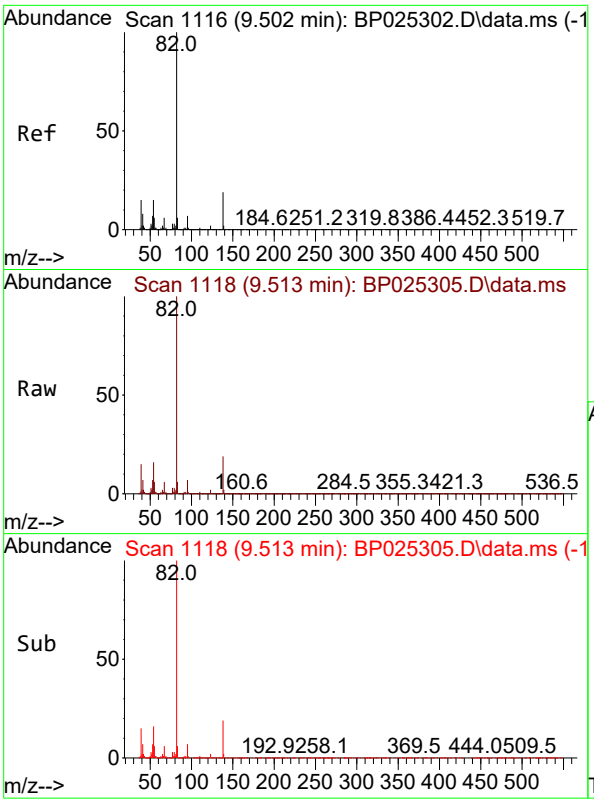


#24
Nitrobenzene
Concen: 80.892 ng
RT: 8.990 min Scan# 1029
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 1719289

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.4	56.2
65	13.6	11.1	16.7

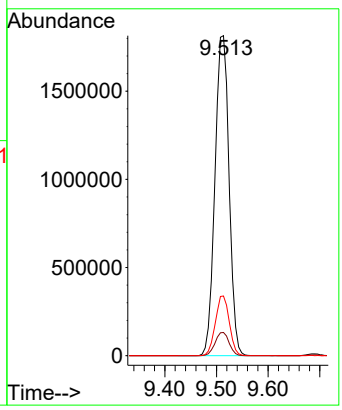




#25
Isophorone
Concen: 76.970 ng
RT: 9.513 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 82 Resp: 344008

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.7	15.0	22.6



Instrument :
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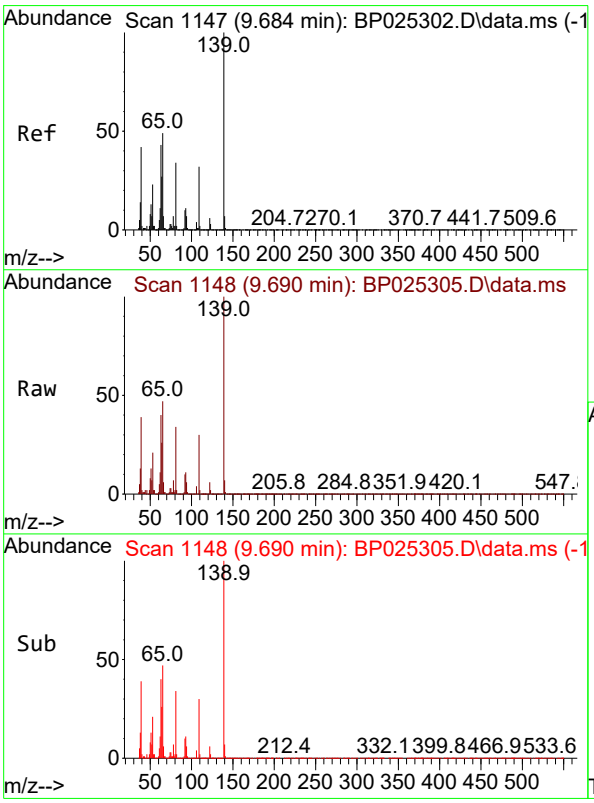
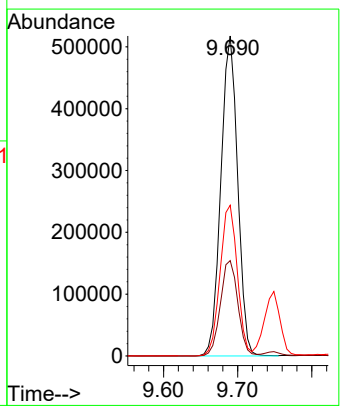
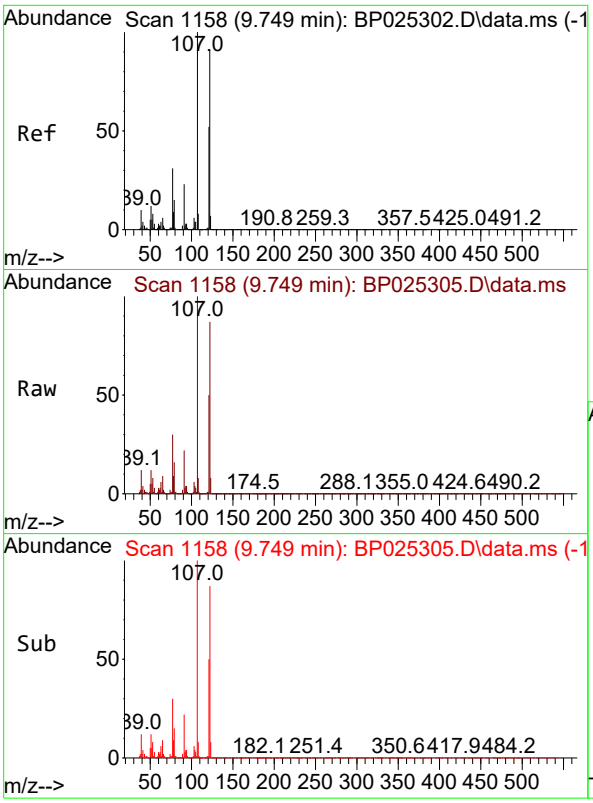


#26
2-Nitrophenol
Concen: 84.806 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 813124

Ion	Ratio	Lower	Upper
139	100		
109	29.8	25.2	37.8
65	47.1	39.6	59.4





#27
2,4-Dimethylphenol
Concen: 75.090 ng
RT: 9.749 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:122 Resp: 154726

Ion	Ratio	Lower	Upper
122	100		
107	115.6	87.4	131.0
121	58.2	45.8	68.8

Instrument :
BNA_P
ClientSampleId :
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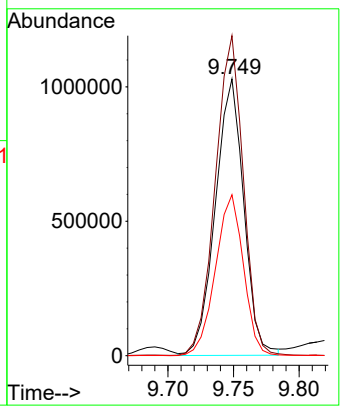
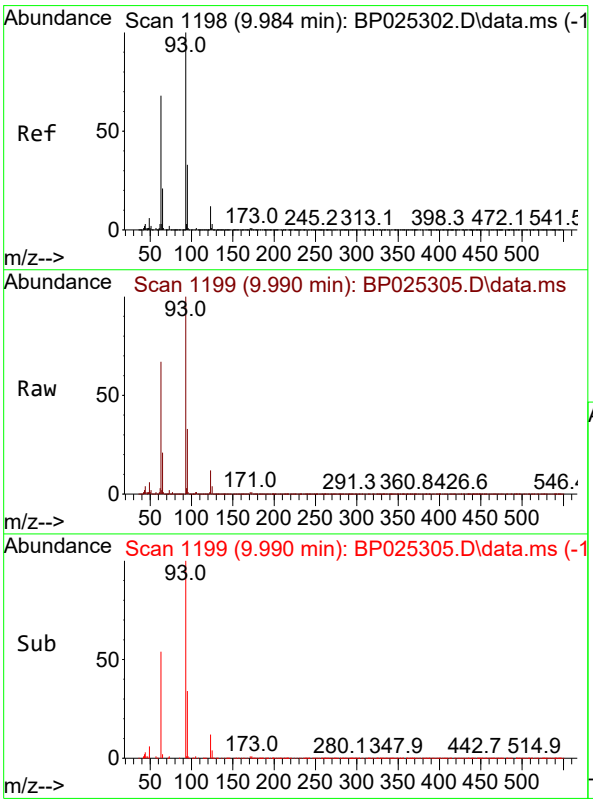
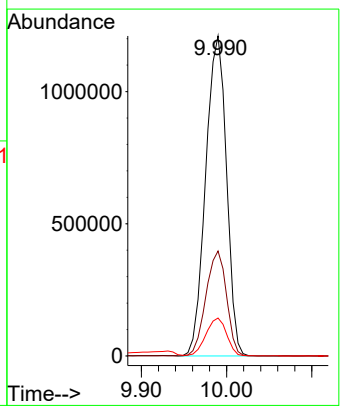


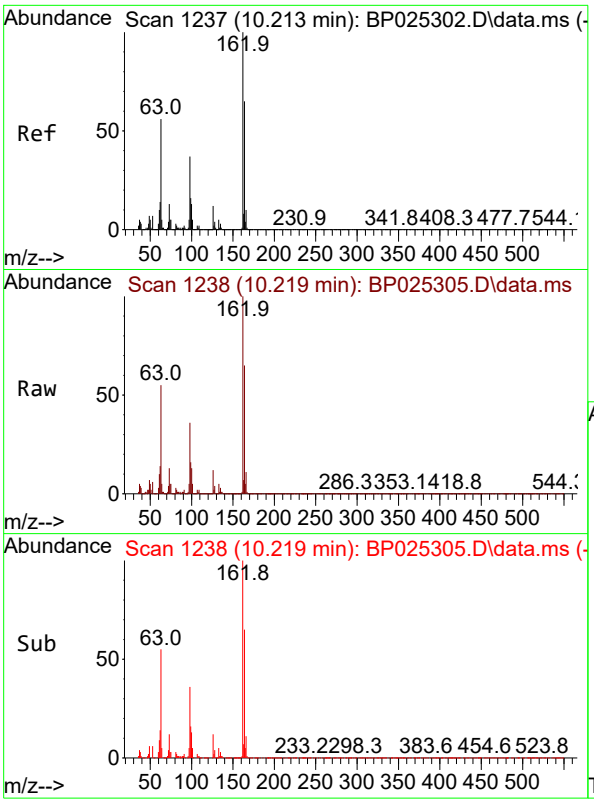


#28
bis(2-Chloroethoxy)methane
Concen: 75.555 ng
RT: 9.990 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2054235

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	11.9	9.4	14.2

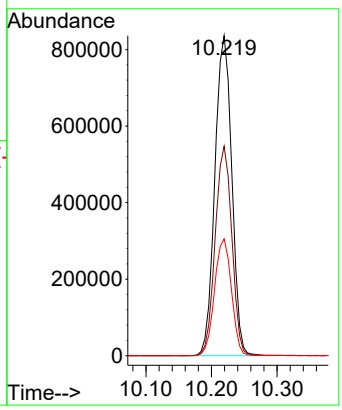




#29
2,4-Dichlorophenol
Concen: 82.826 ng
RT: 10.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:162 Resp: 149416

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.2	85.2
98	36.5	17.5	57.5



Instrument :
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ClientSampleId :
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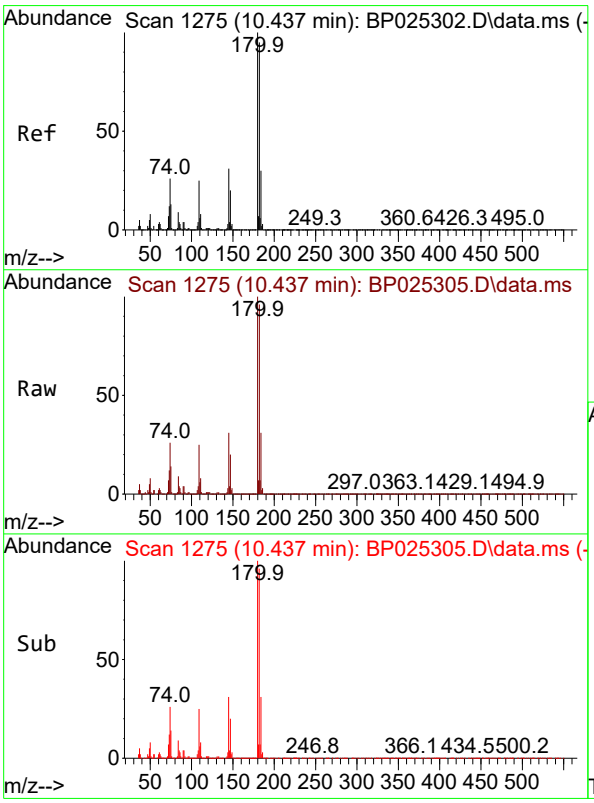
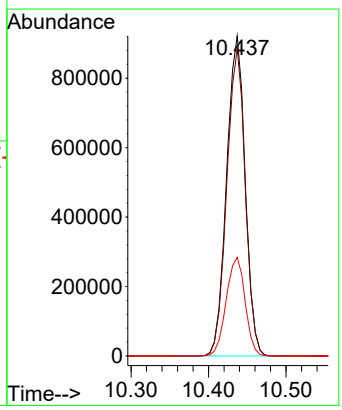
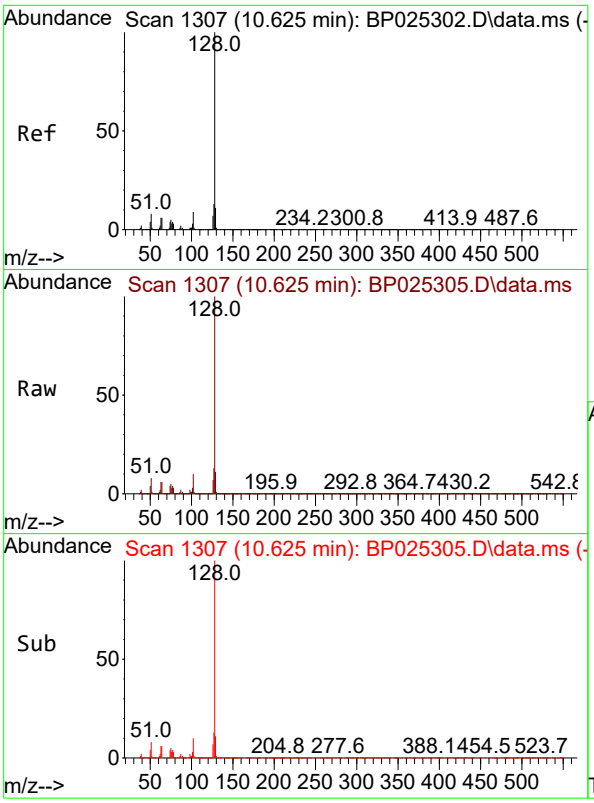


#30
1,2,4-Trichlorobenzene
Concen: 77.166 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:180 Resp: 1535792

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
145	30.9	25.0	37.4

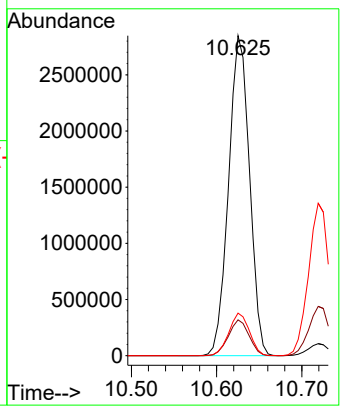




#31
Naphthalene
Concen: 75.289 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:128 Resp: 486174

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.4	15.6



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ClientSampleId :
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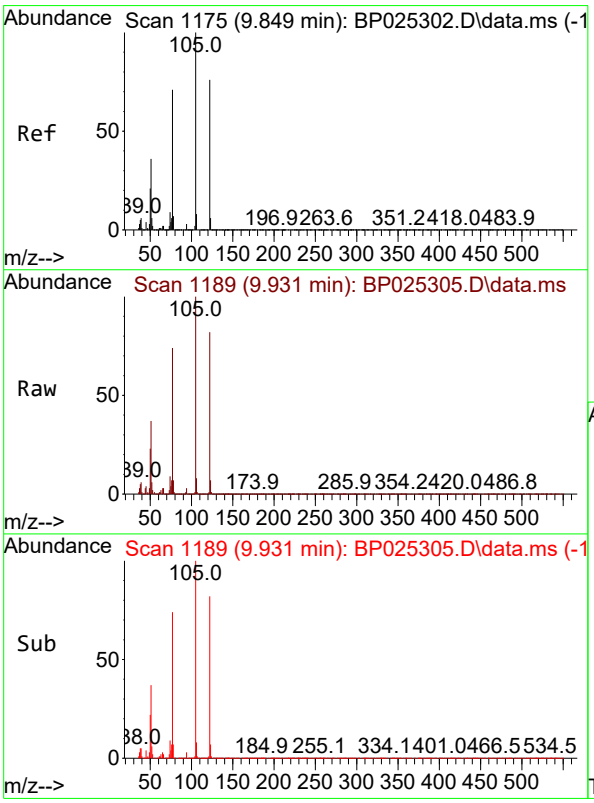
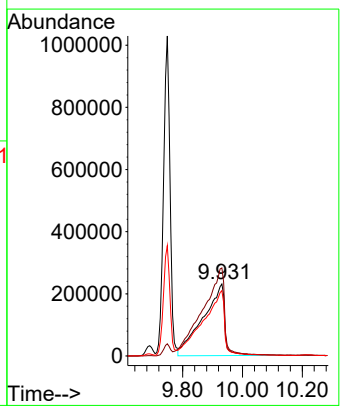
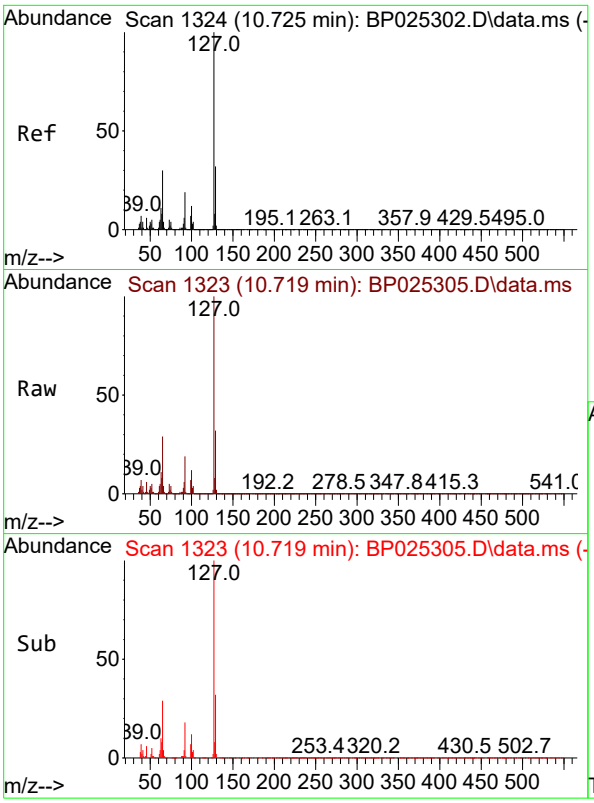


#32
Benzoic acid
Concen: 79.253 ng
RT: 9.931 min Scan# 1189
Delta R.T. 0.082 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:122 Resp: 1160103

Ion	Ratio	Lower	Upper
122	100		
105	122.1	104.0	144.0
77	90.6	71.8	111.8

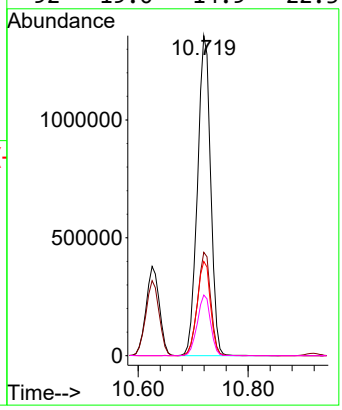




#33
4-Chloroaniline
Concen: 78.523 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:127 Resp: 225516

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.5	23.6	35.4
92	19.0	14.9	22.3



Instrument :
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ClientSampleId :
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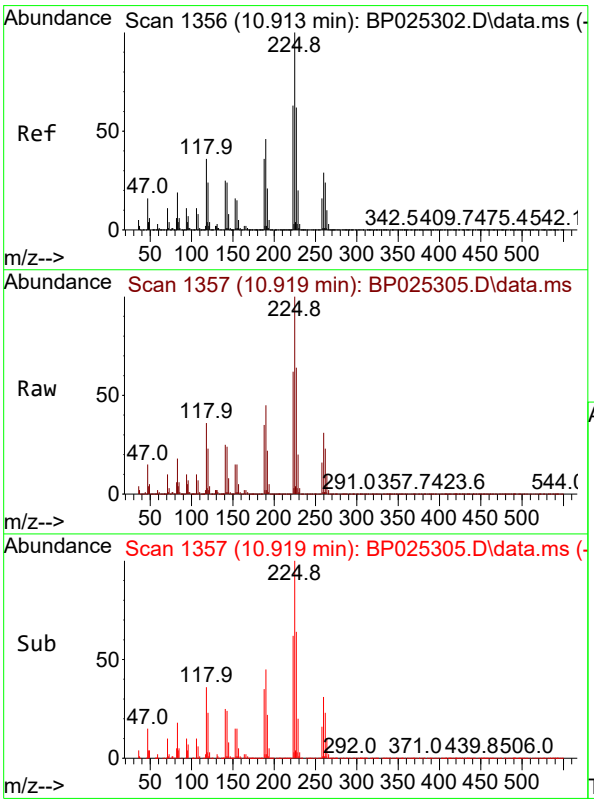
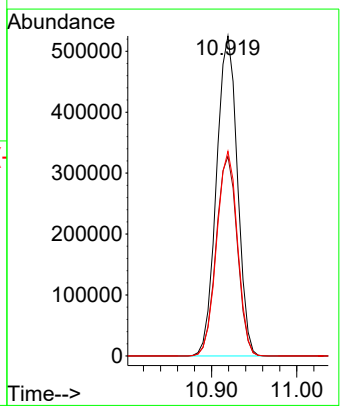
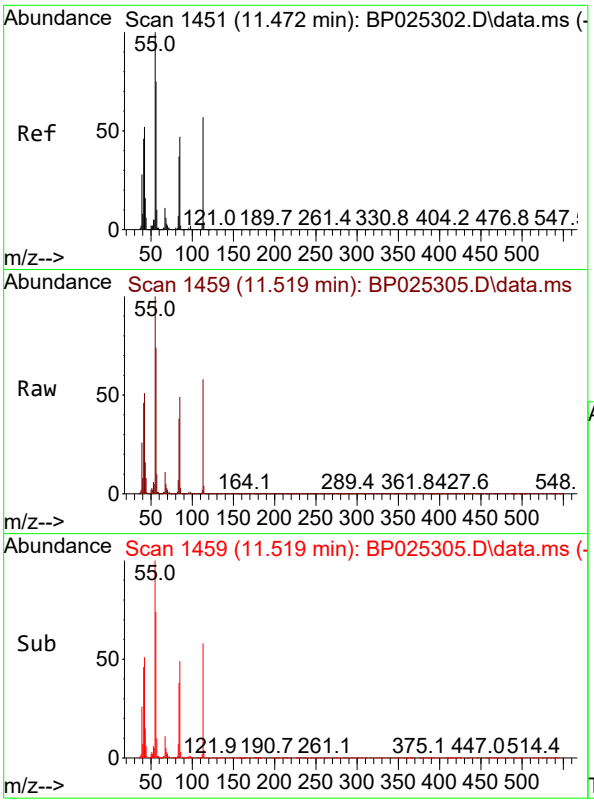


#34
Hexachlorobutadiene
Concen: 78.411 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:225 Resp: 895811

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	63.9	49.7	74.5

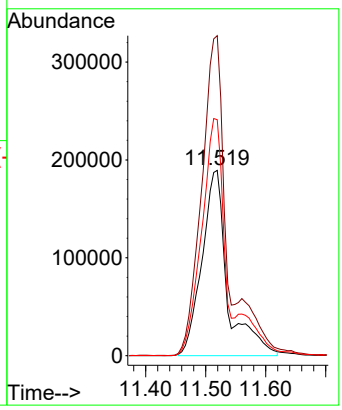




#35
Caprolactam
Concen: 80.094 ng m
RT: 11.519 min Scan# 14
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:113 Resp: 56176

Ion	Ratio	Lower	Upper
113	100		
55	172.7	154.4	194.4
56	127.3	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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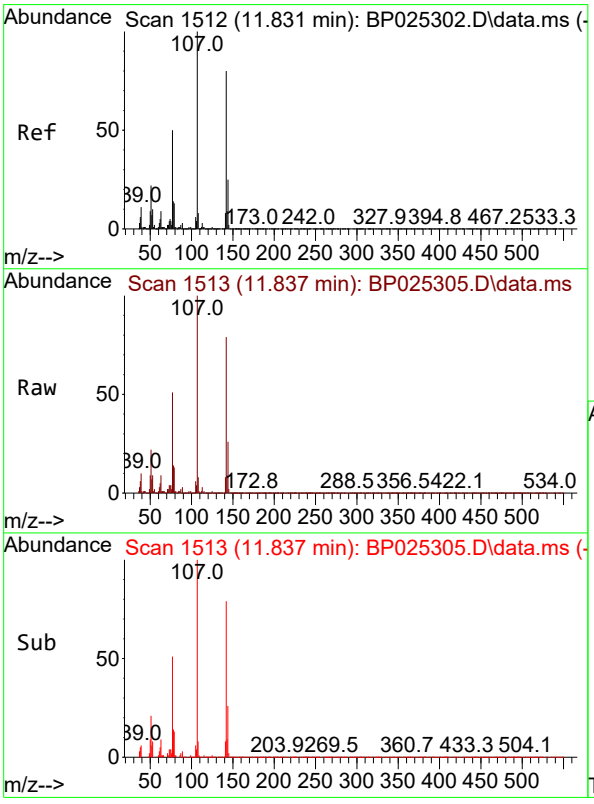
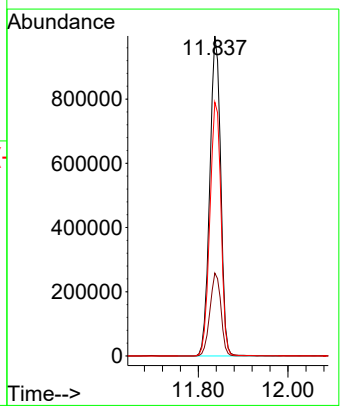
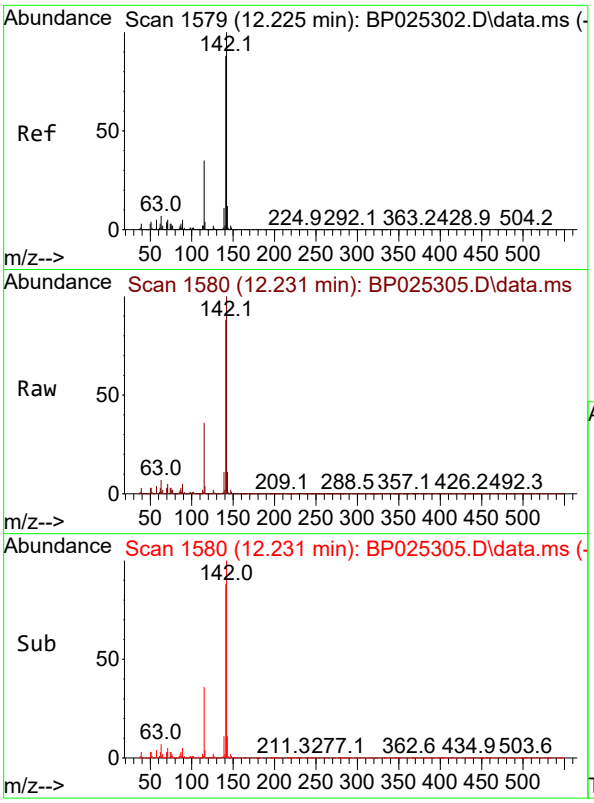


#36
4-Chloro-3-methylphenol
Concen: 80.535 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1681089

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.4	30.6
142	79.3	63.7	95.5

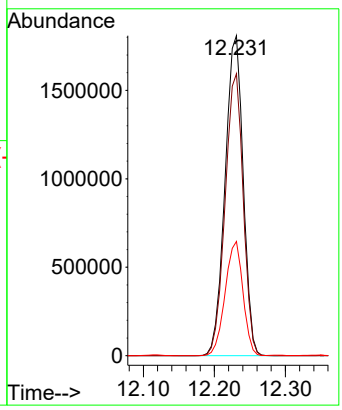




#37
2-Methylnaphthalene
Concen: 76.670 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:142 Resp: 320450

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	35.7	28.0	42.0



Instrument :
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ClientSampleId :
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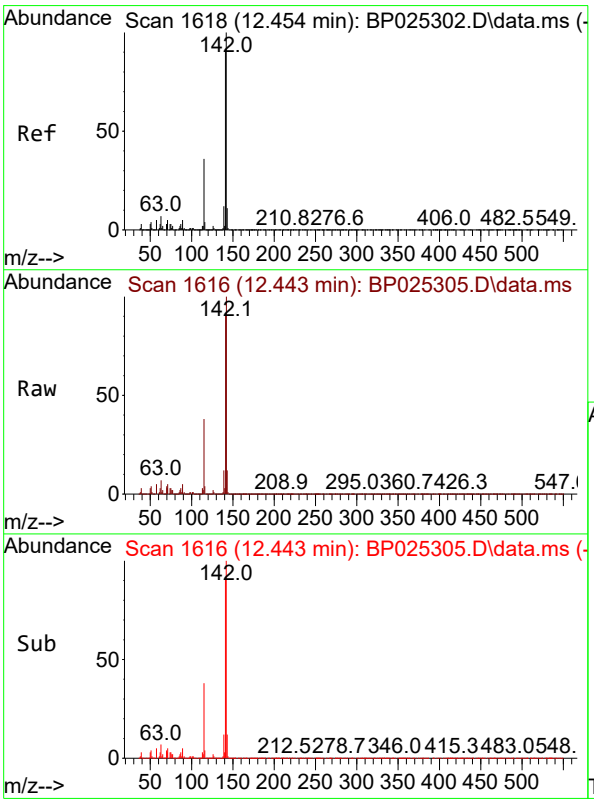
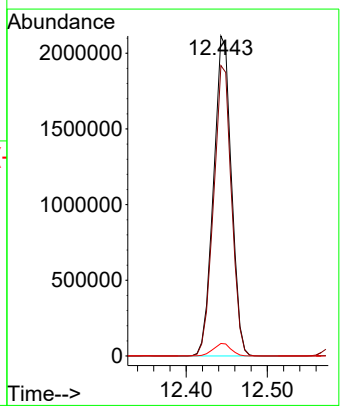
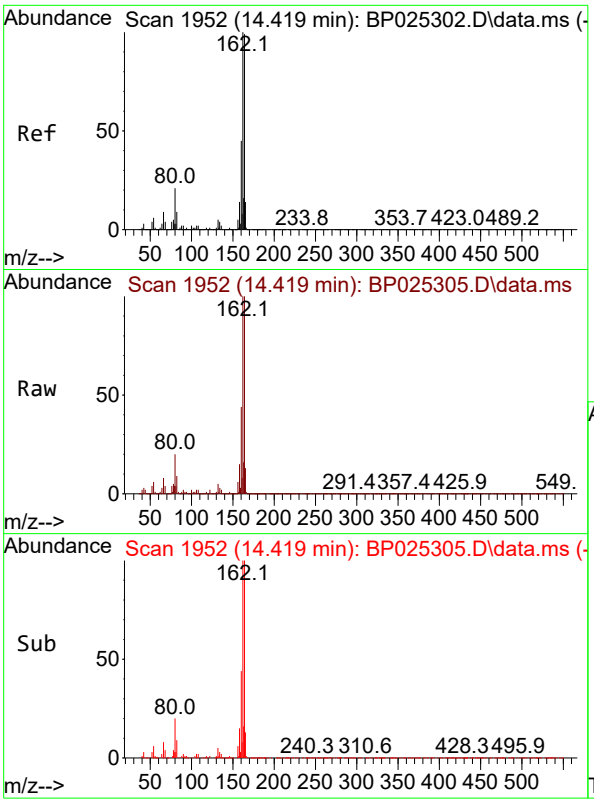


#38
1-Methylnaphthalene
Concen: 74.197 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:142 Resp: 3235826

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.0	109.6
116	3.9	3.0	4.6

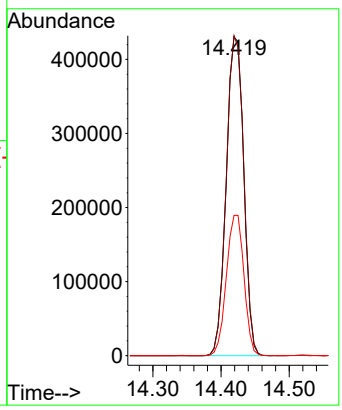




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:164 Resp: 76941

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.0	35.9	53.9



Instrument :
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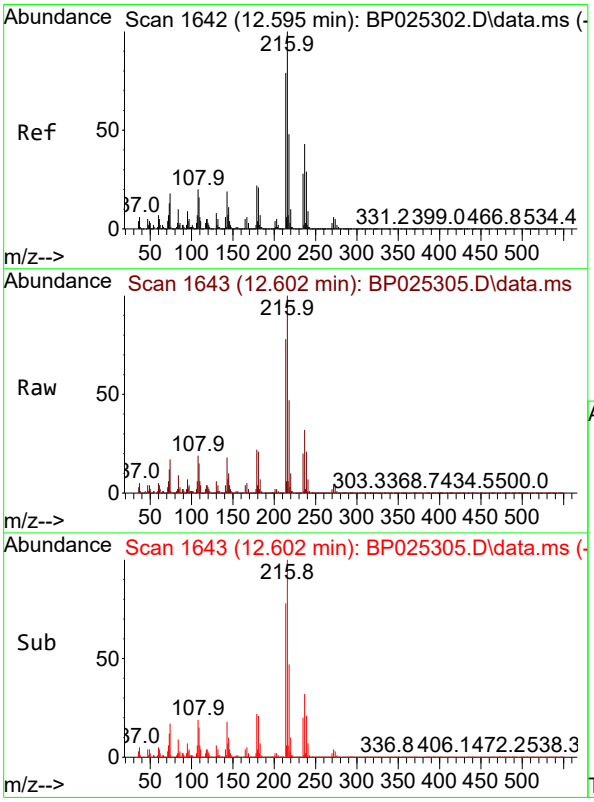
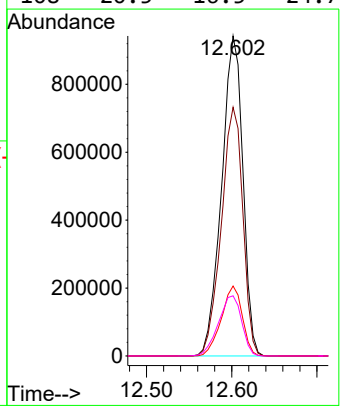
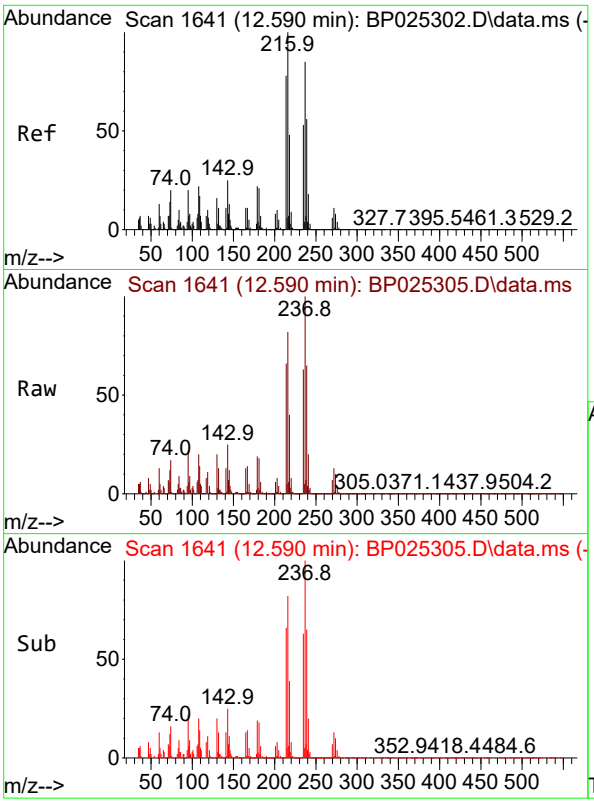


#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.897 ng
RT: 12.602 min Scan# 1643
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:216 Resp: 1636320

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.4	93.6
179	21.6	17.5	26.3
108	20.5	16.5	24.7

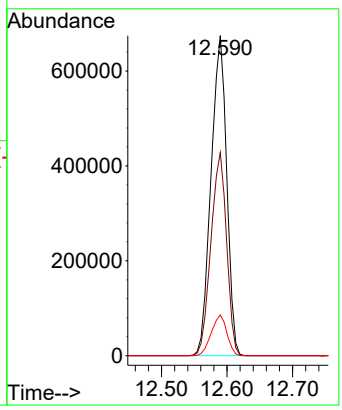




#41
Hexachlorocyclopentadiene
Concen: 86.171 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:237 Resp: 111718

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.2	82.2
272	12.7	0.0	32.8



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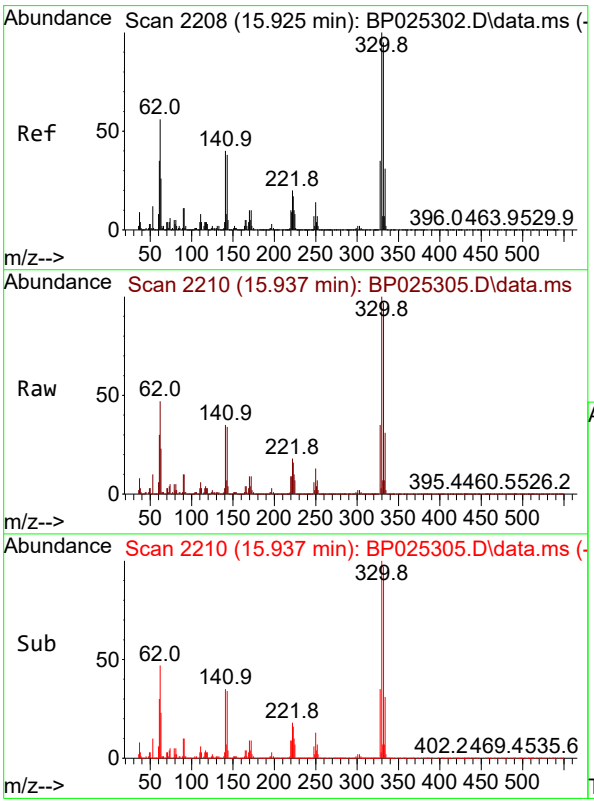
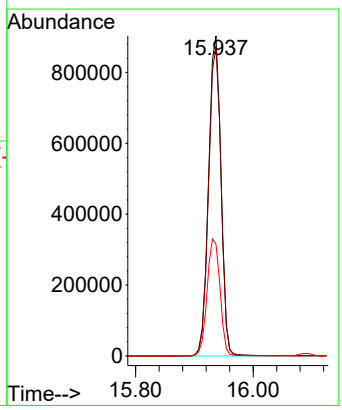
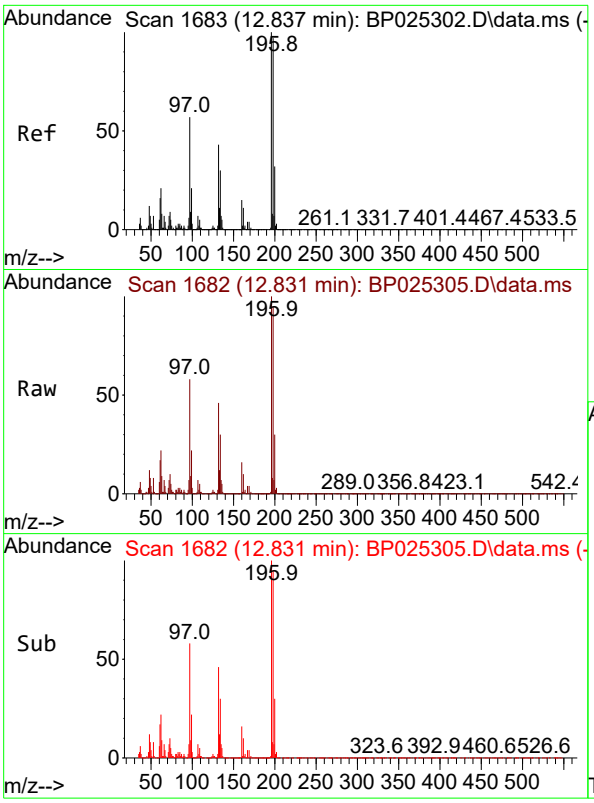


#42
2,4,6-Tribromophenol
Concen: 166.729 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:330 Resp: 1324517

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	38.0	31.7	47.5

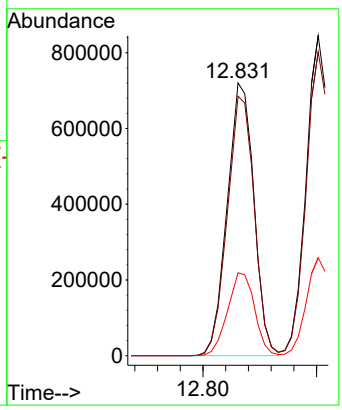




#43
2,4,6-Trichlorophenol
Concen: 86.791 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:196 Resp: 117773

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
200	30.4	25.4	38.2



Instrument :
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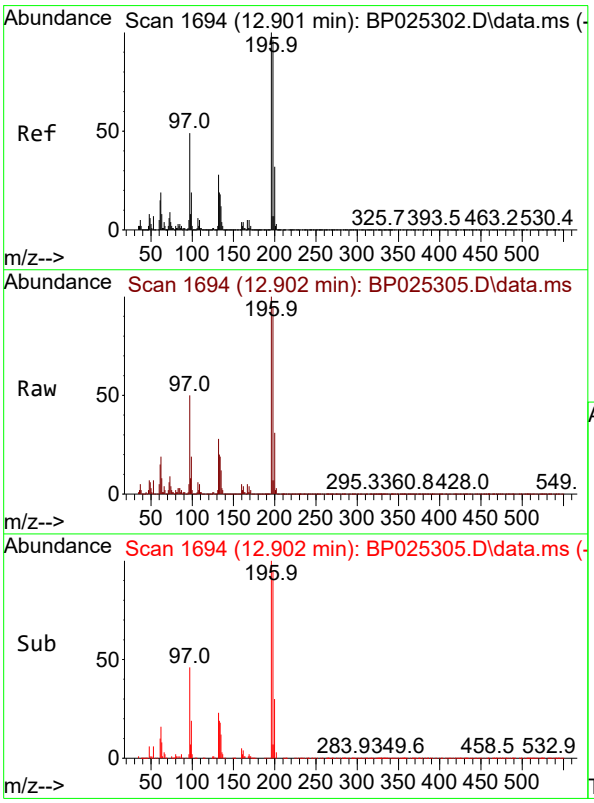
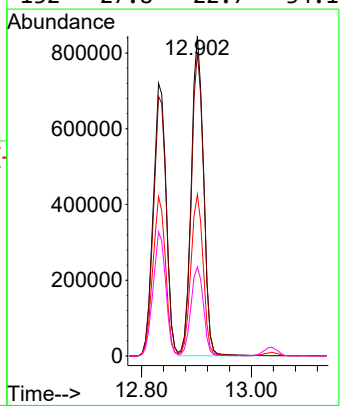
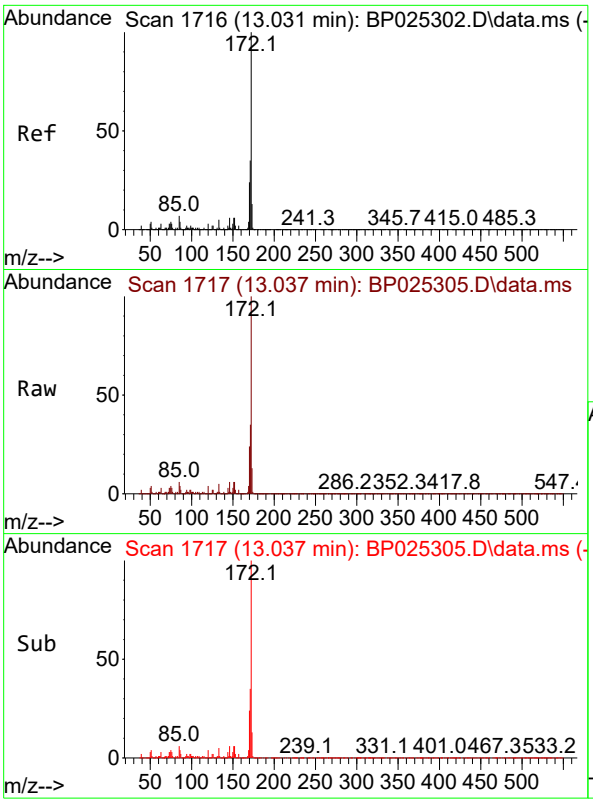


#44
2,4,5-Trichlorophenol
Concen: 85.453 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:196 Resp: 1300802

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.6	114.8
97	50.5	39.5	59.3
132	27.8	22.7	34.1

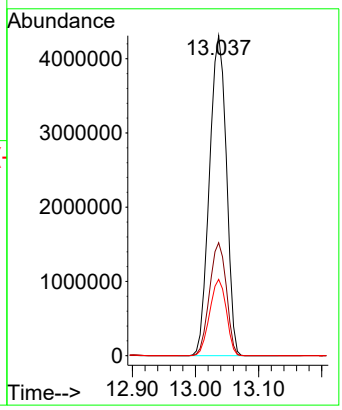




#45
2-Fluorobiphenyl
Concen: 144.776 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:172 Resp: 802195

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.9	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
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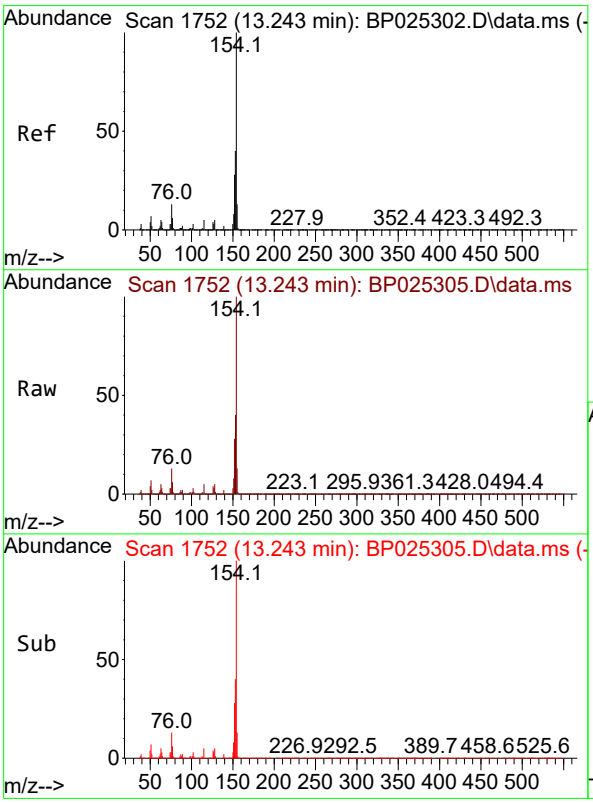
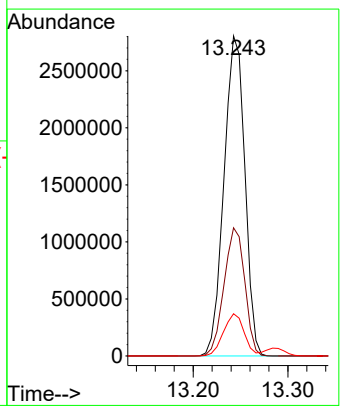
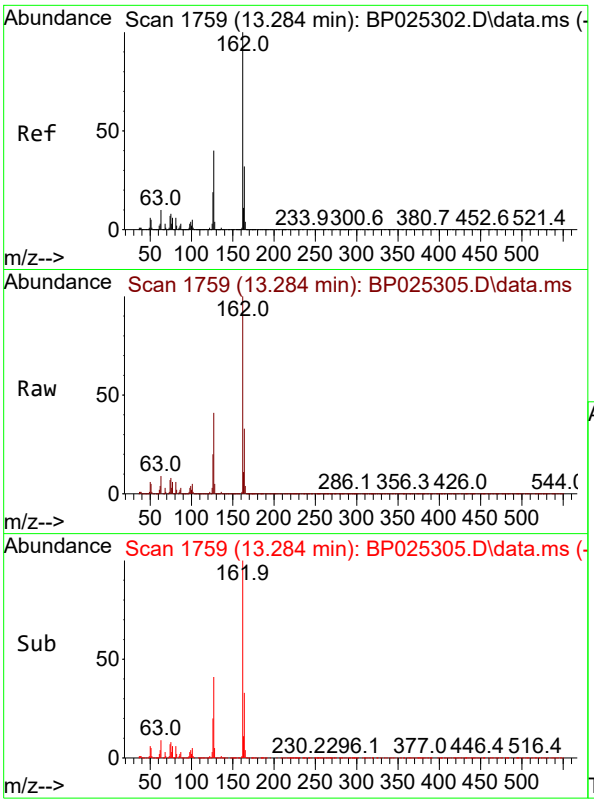


#46
1,1'-Biphenyl
Concen: 75.702 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 4292450

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.9	59.9
76	13.2	0.0	33.2

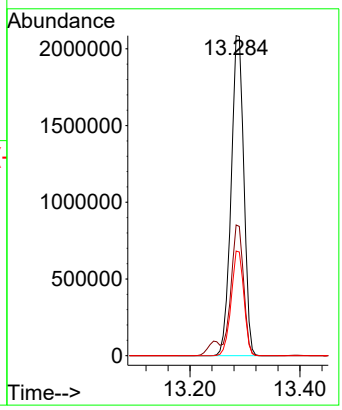




#47
2-Chloronaphthalene
Concen: 77.444 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:162 Resp: 335015

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.2	48.2
164	32.7	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
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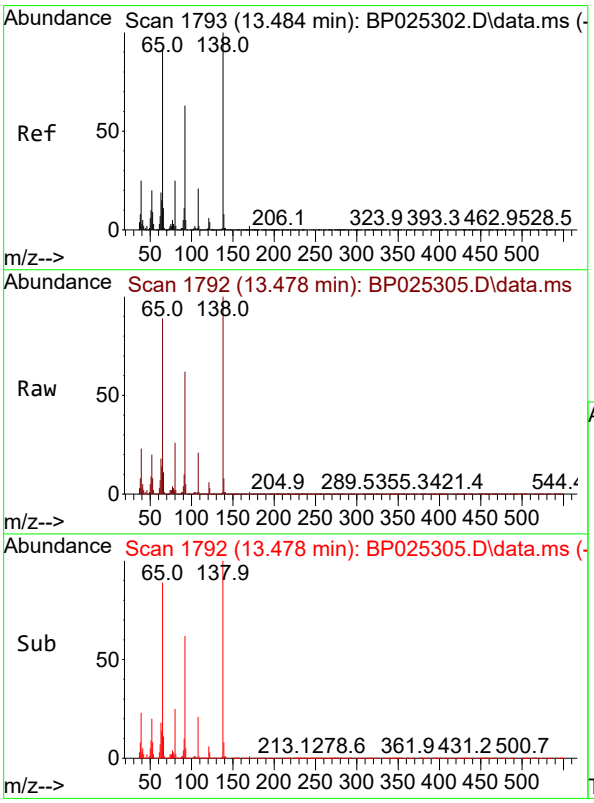
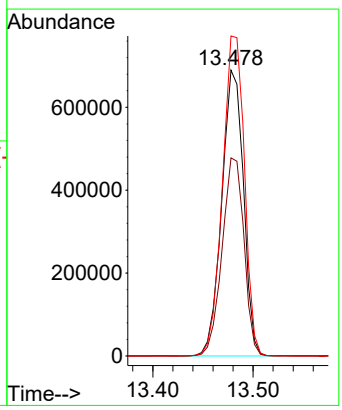
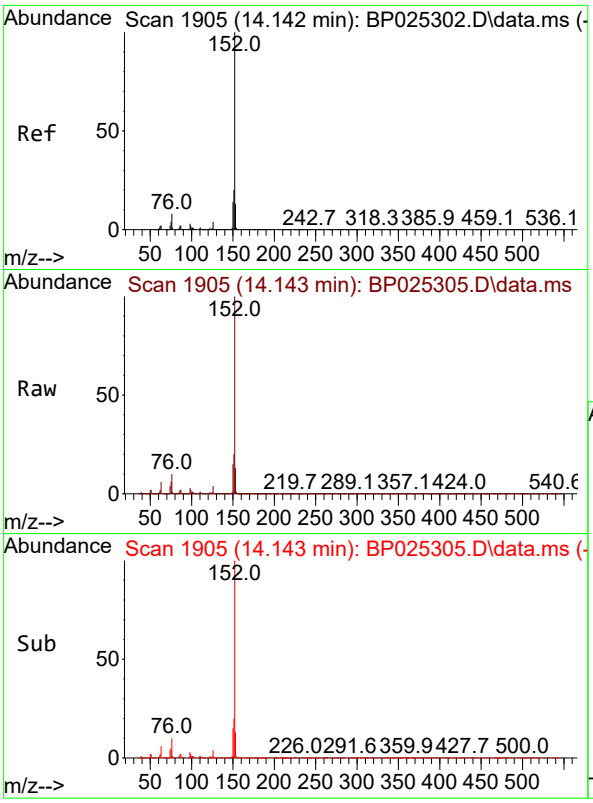


#48
2-Nitroaniline
Concen: 79.733 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 65 Resp: 1036853

Ion	Ratio	Lower	Upper
65	100		
92	69.3	54.4	81.6
138	112.0	87.0	130.4

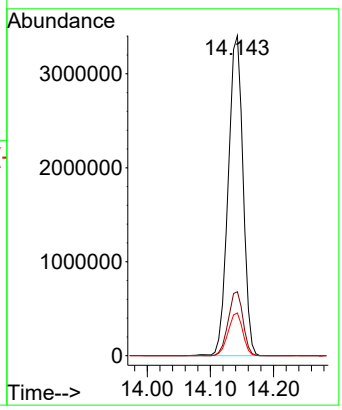




#49
Acenaphthylene
Concen: 76.758 ng
RT: 14.143 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:152 Resp: 553869

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6



Instrument :
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ClientSampleId :
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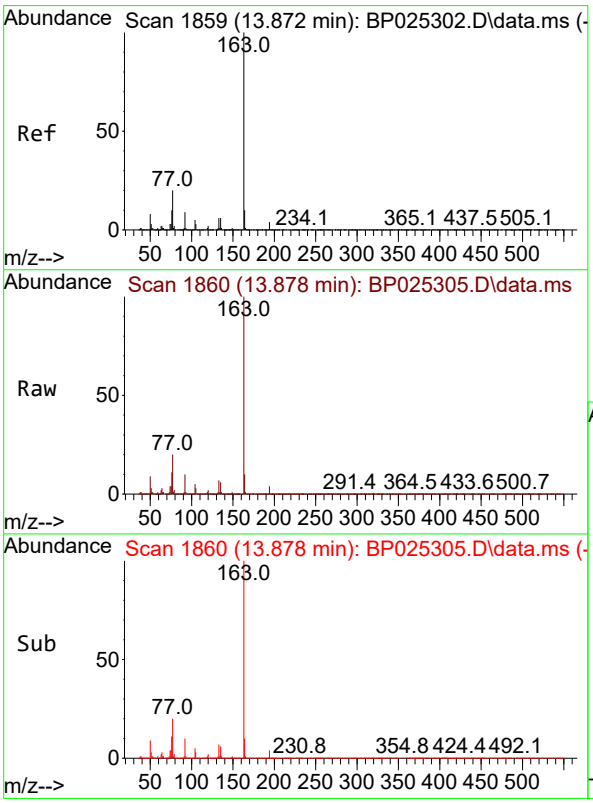
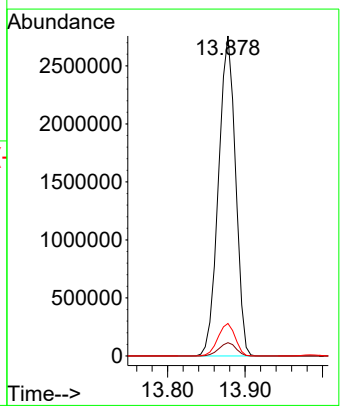
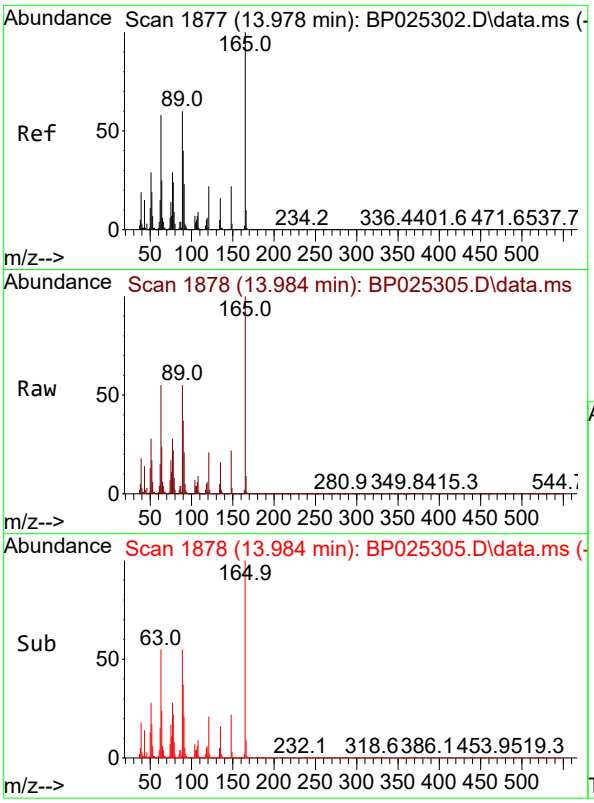


#50
Dimethylphthalate
Concen: 75.353 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:163 Resp: 4226530

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 90.453 ng
RT: 13.984 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:165 Resp: 93581

Ion	Ratio	Lower	Upper
165	100		
63	55.3	47.6	71.4
89	55.4	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
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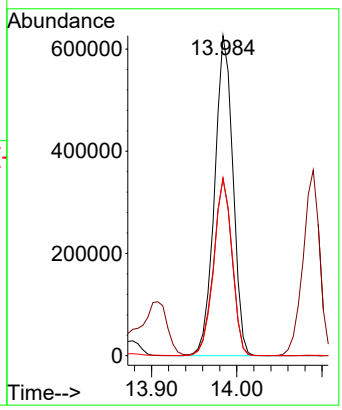
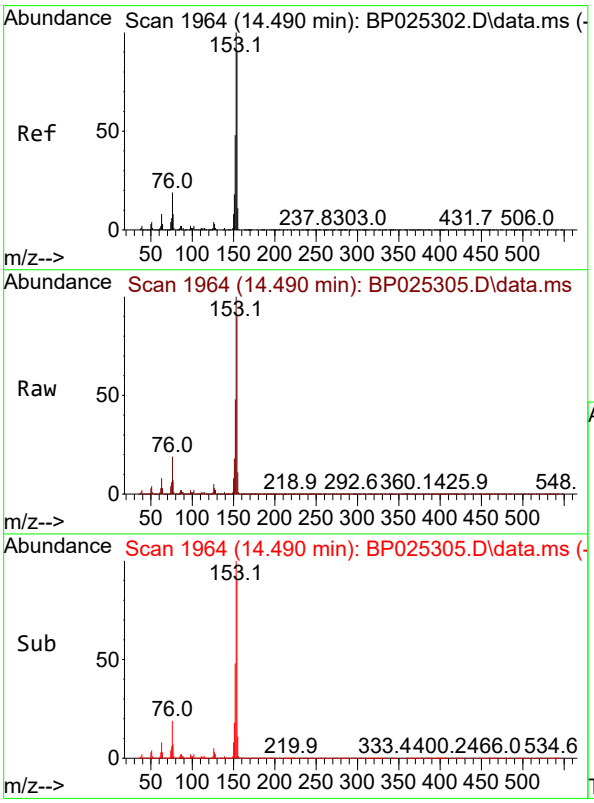
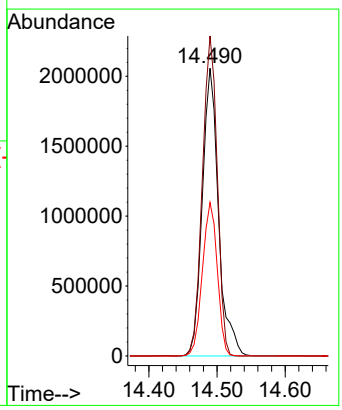


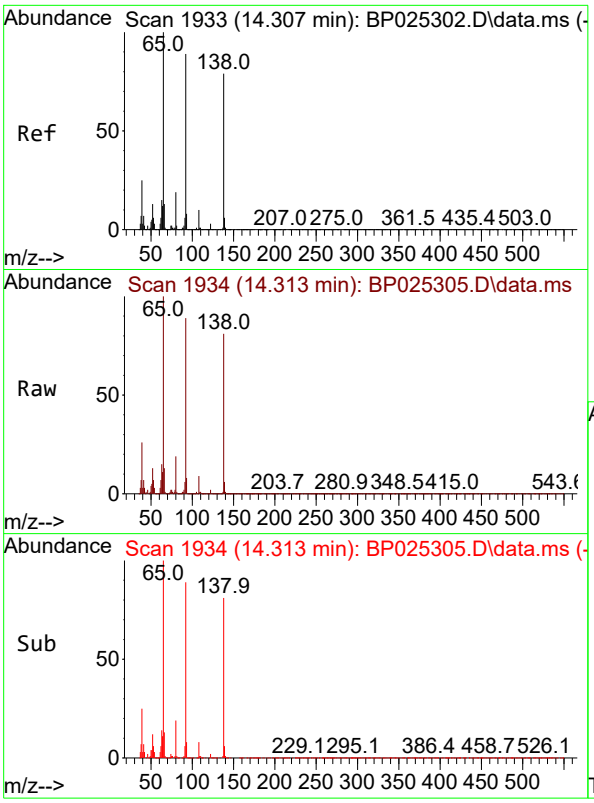


#52
Acenaphthene
Concen: 77.379 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 3405740

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.3	43.0	64.6

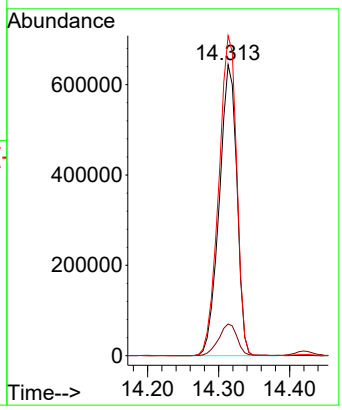




#53
3-Nitroaniline
Concen: 91.252 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:138 Resp: 110470

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.5	15.7
92	109.9	90.9	136.3



Instrument :
BNA_P
ClientSampleId :
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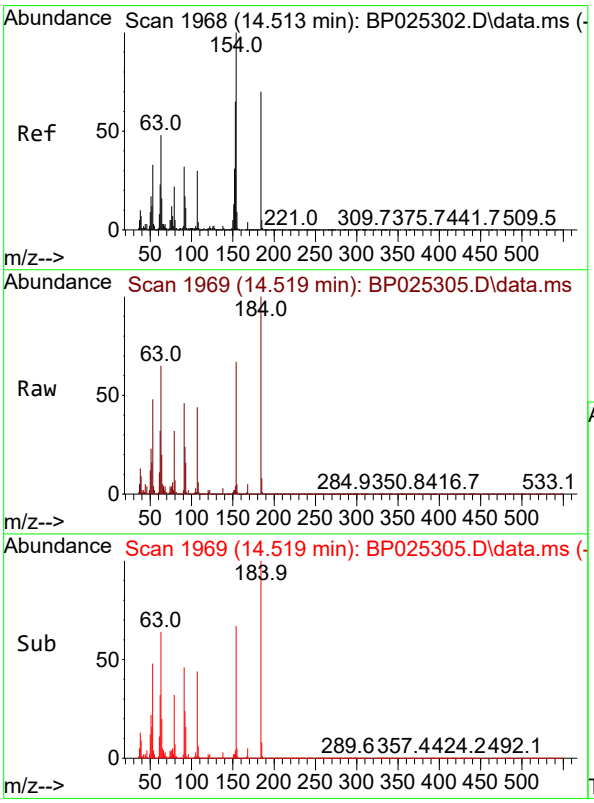
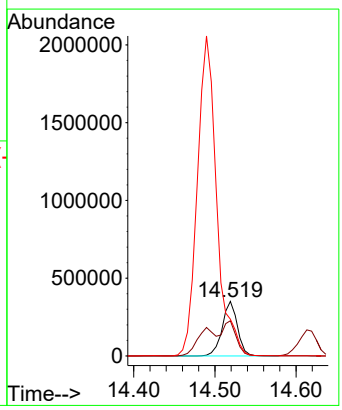
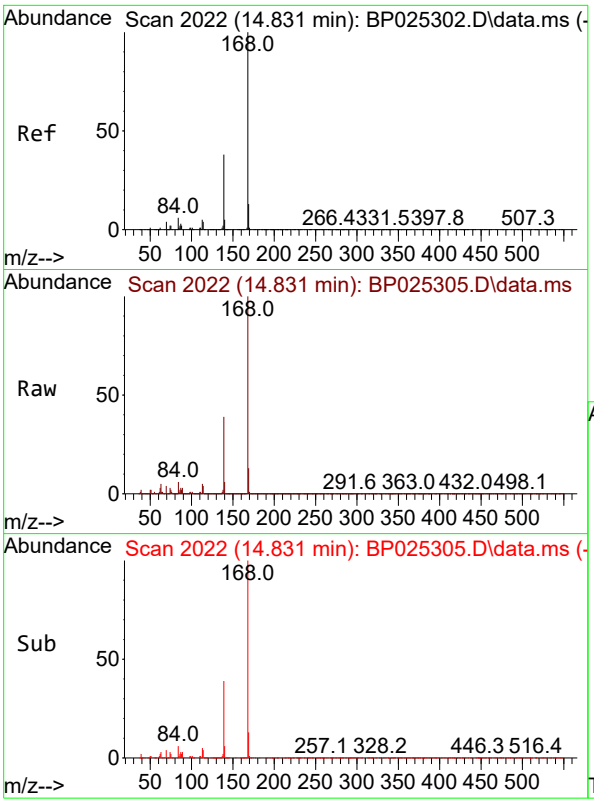


#54
2,4-Dinitrophenol
Concen: 79.662 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:184 Resp: 457765

Ion	Ratio	Lower	Upper
184	100		
63	64.6	56.3	84.5
154	67.5	124.5	186.7#

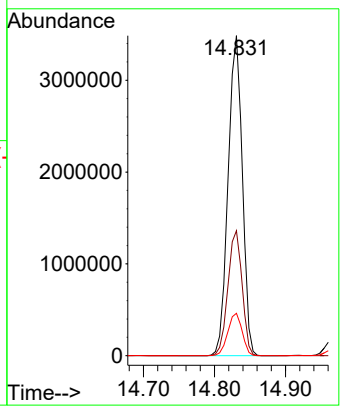




#55
Dibenzofuran
Concen: 73.640 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:168 Resp: 484360

Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.5	45.7
169	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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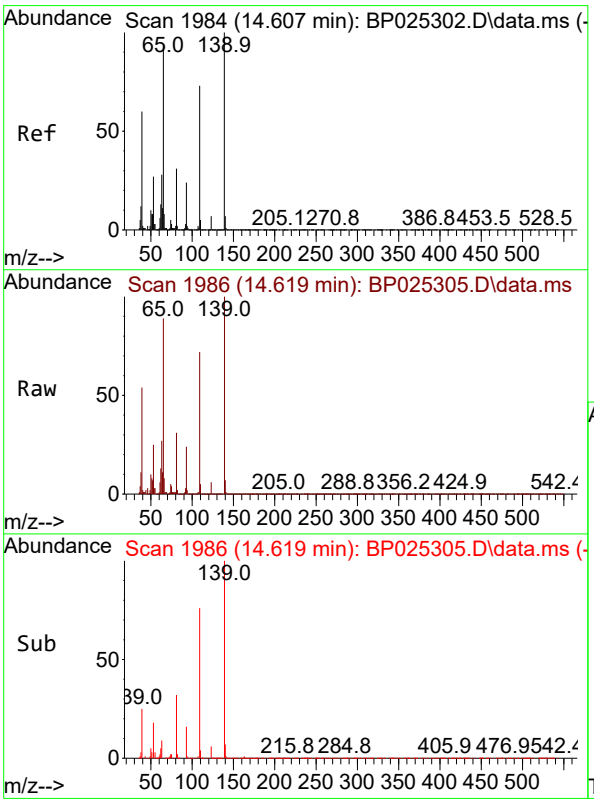
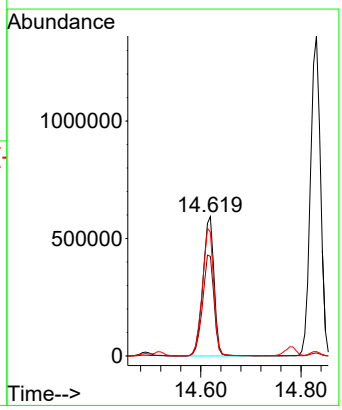
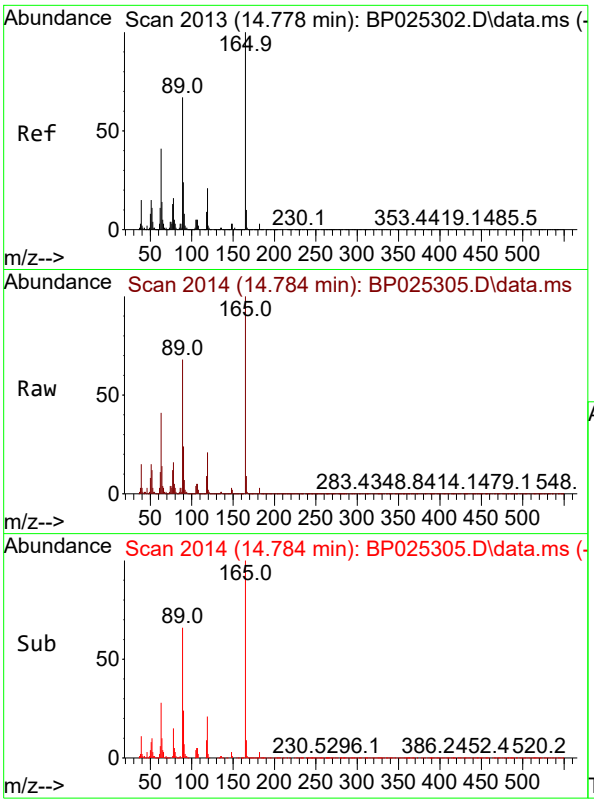


#56
4-Nitrophenol
Concen: 85.952 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 918340

Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.7	92.7
65	88.9	73.4	113.4

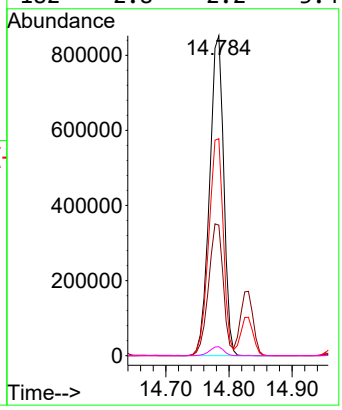




#57
2,4-Dinitrotoluene
Concen: 80.213 ng
RT: 14.784 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:165 Resp: 132402

Ion	Ratio	Lower	Upper
165	100		
63	40.8	33.2	49.8
89	67.8	53.5	80.3
182	2.8	2.2	3.4



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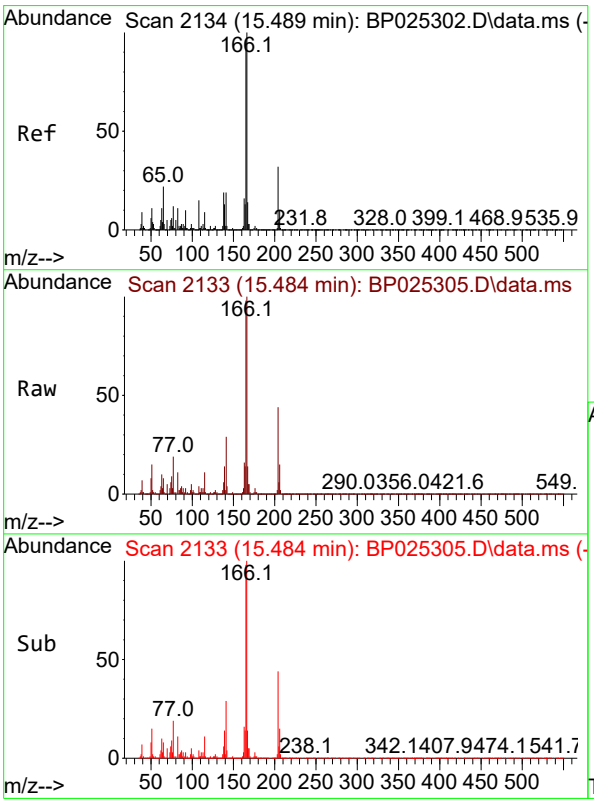
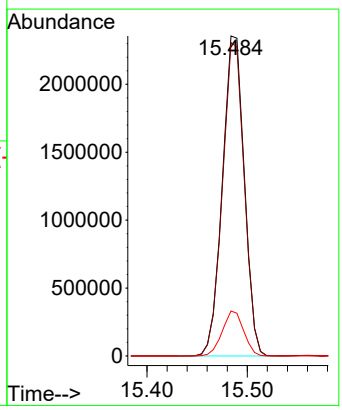
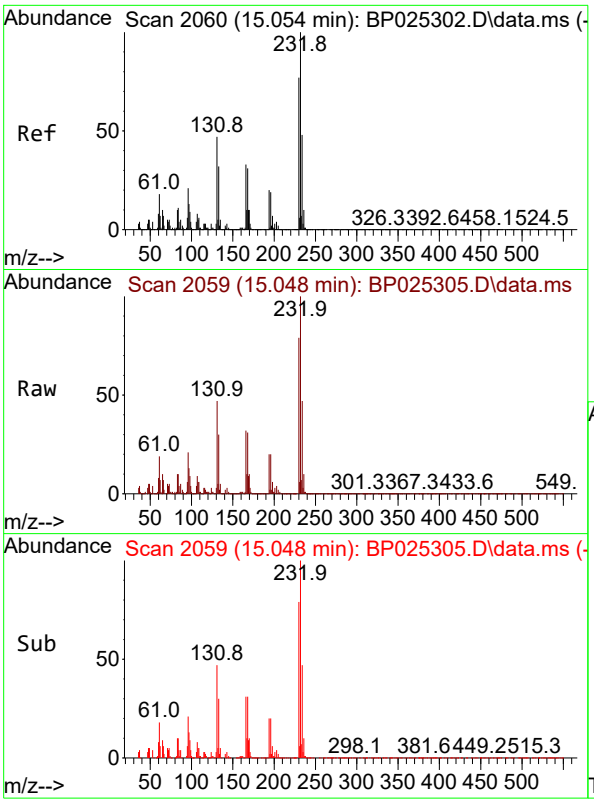


#58
Fluorene
Concen: 69.303 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:166 Resp: 3580163

Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.7	115.1
167	14.0	10.9	16.3

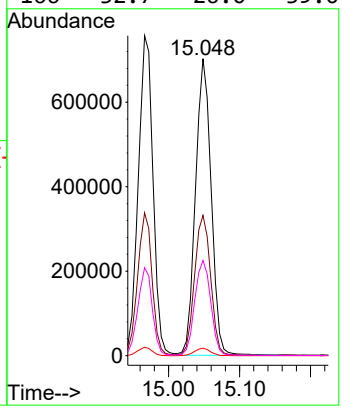




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.394 ng
RT: 15.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:232 Resp: 107947

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0



Instrument :
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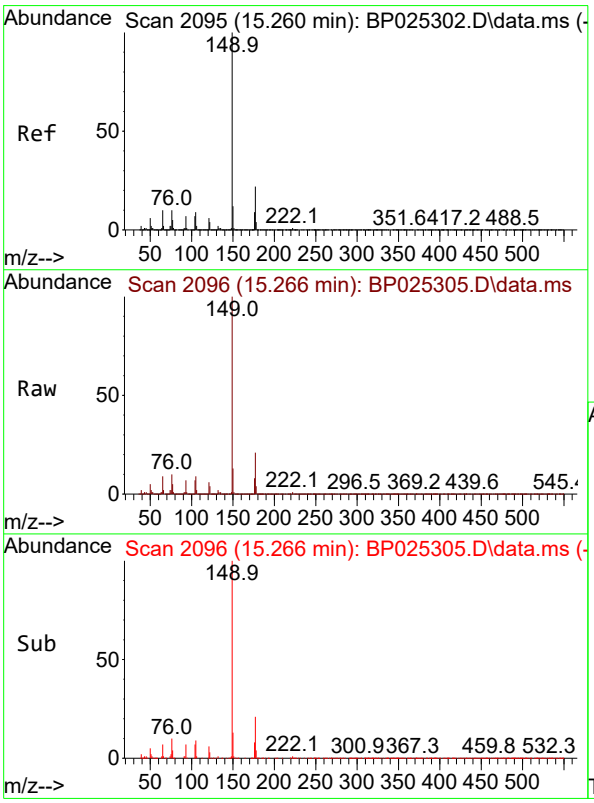
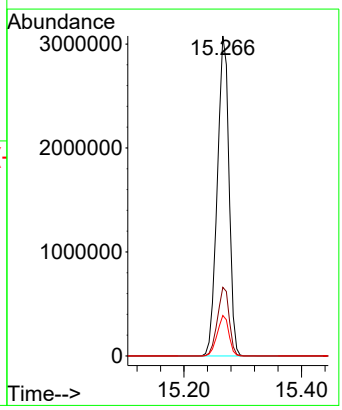
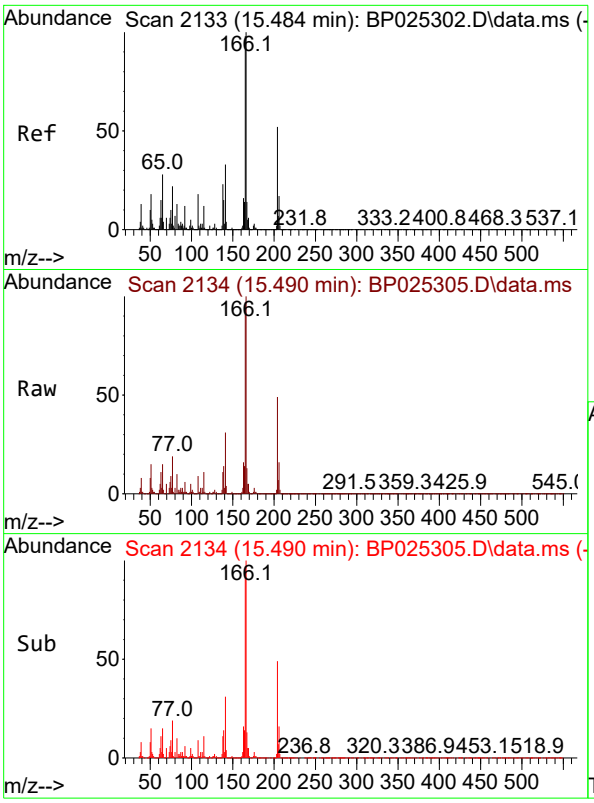


#60
Diethylphthalate
Concen: 75.138 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4248904

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	9.8	14.8

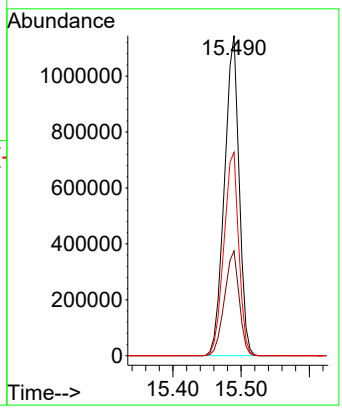




#61
4-Chlorophenyl-phenylether
Concen: 70.093 ng
RT: 15.490 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:204 Resp: 171662

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	63.6	50.3	75.5



Instrument :
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ClientSampleId :
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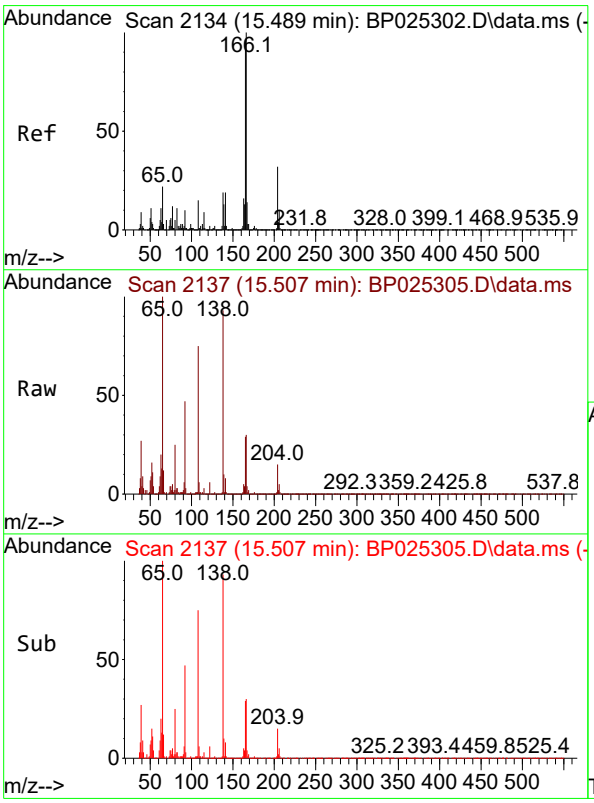
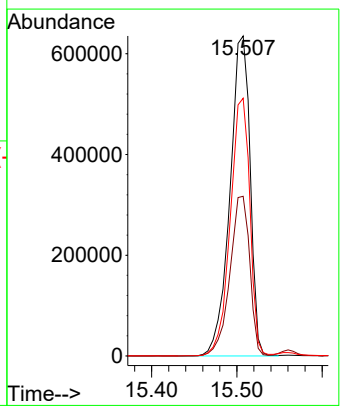
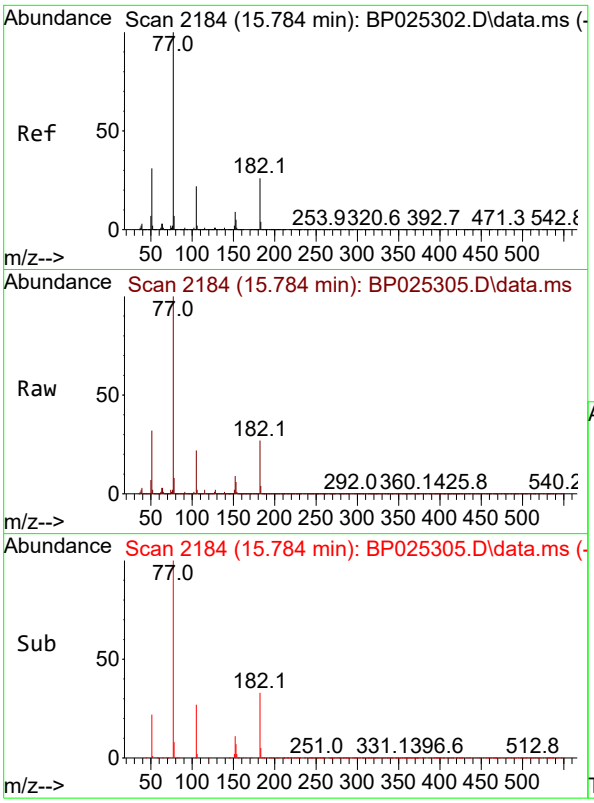


#62
4-Nitroaniline
Concen: 86.933 ng
RT: 15.507 min Scan# 2137
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:138 Resp: 1042796

Ion	Ratio	Lower	Upper
138	100		
92	49.9	29.8	69.8
108	80.5	56.6	96.6

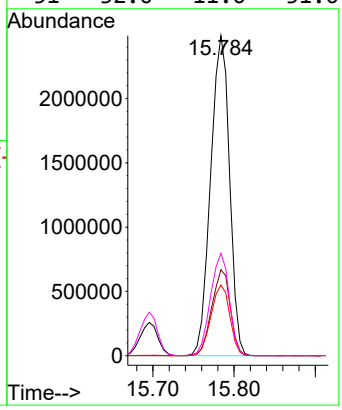




#63
Azobenzene
Concen: 76.490 ng
RT: 15.784 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 401824

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.0	46.0
105	22.1	2.1	42.1
51	32.0	11.0	51.0



Instrument :
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ClientSampleId :
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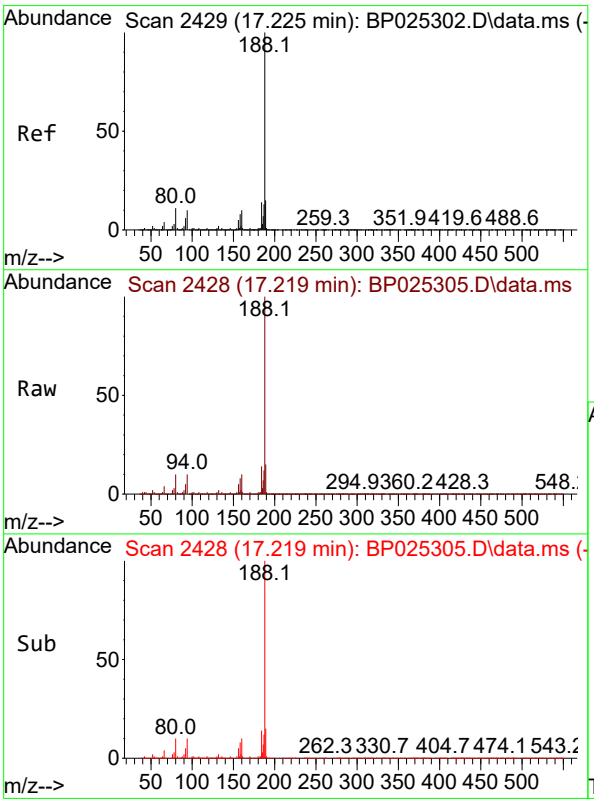
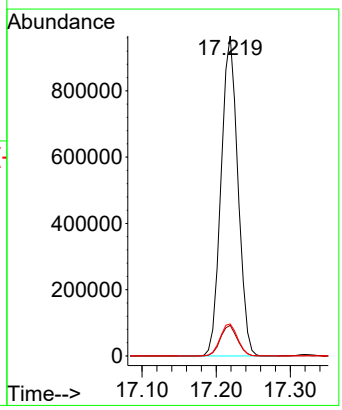
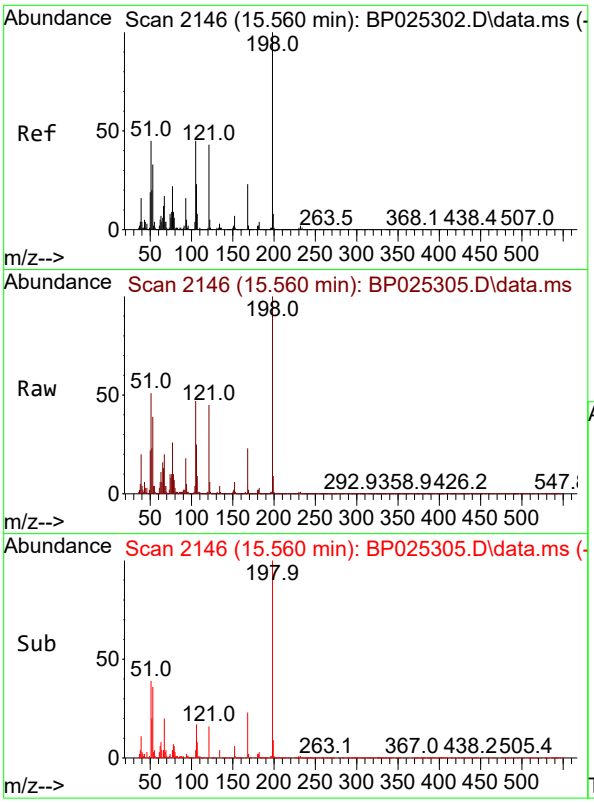


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:188 Resp: 1520824

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.0	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 78.886 ng
RT: 15.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:198 Resp: 65349

Ion	Ratio	Lower	Upper
198	100		
51	51.2	26.7	66.7
105	47.2	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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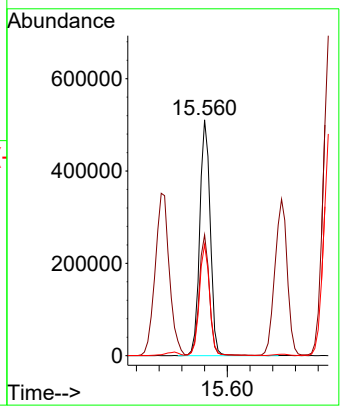
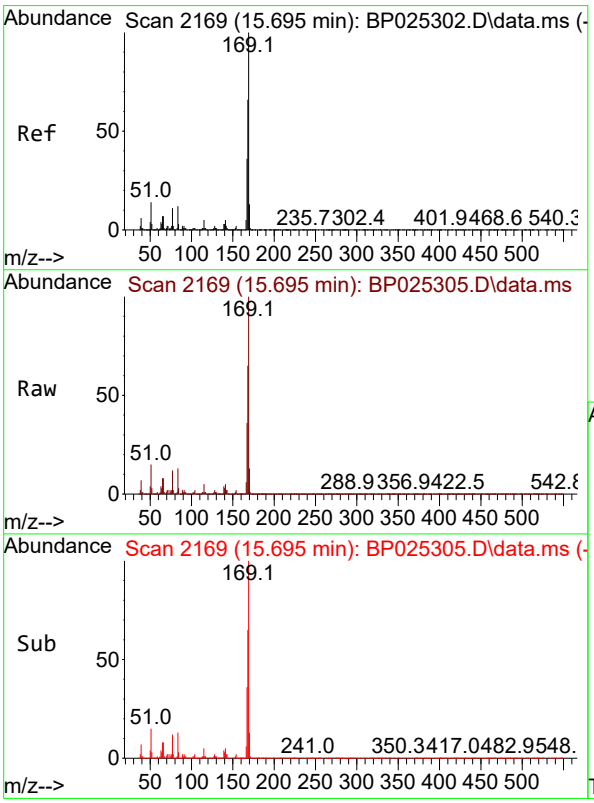
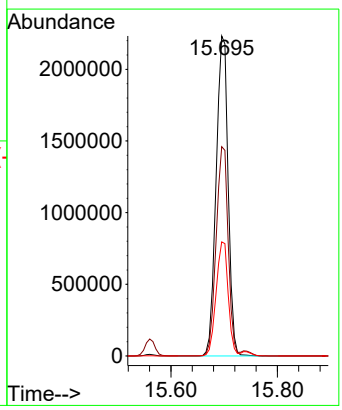


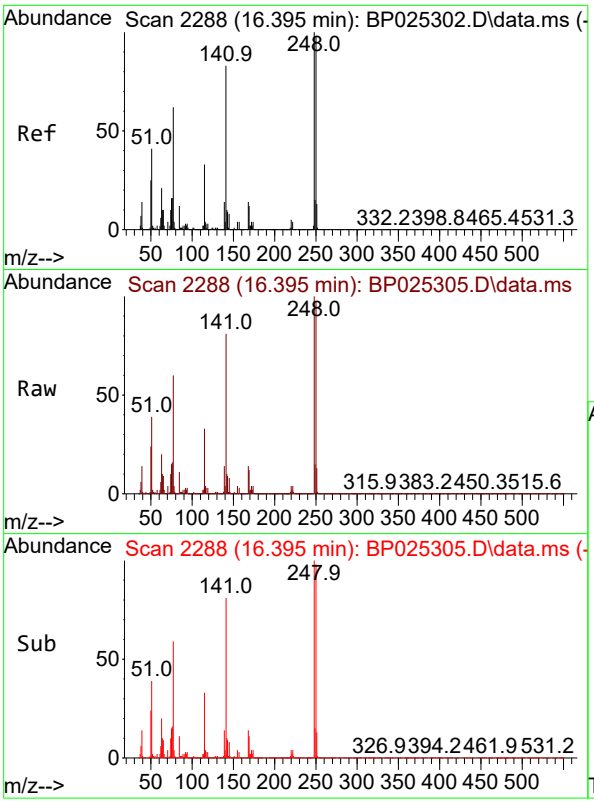


#66
n-Nitrosodiphenylamine
Concen: 75.135 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:169 Resp: 3479218

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.7	28.5	42.7

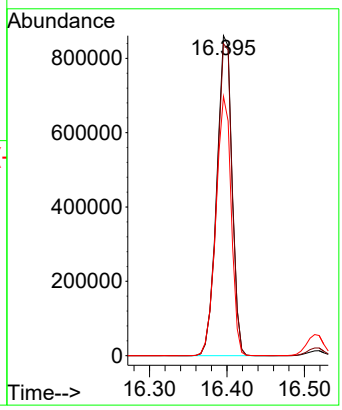




#67
4-Bromophenyl-phenylether
Concen: 76.943 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:248 Resp: 117739

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.6	117.8
141	81.0	66.6	99.8



Instrument :
BNA_P
ClientSampleId :
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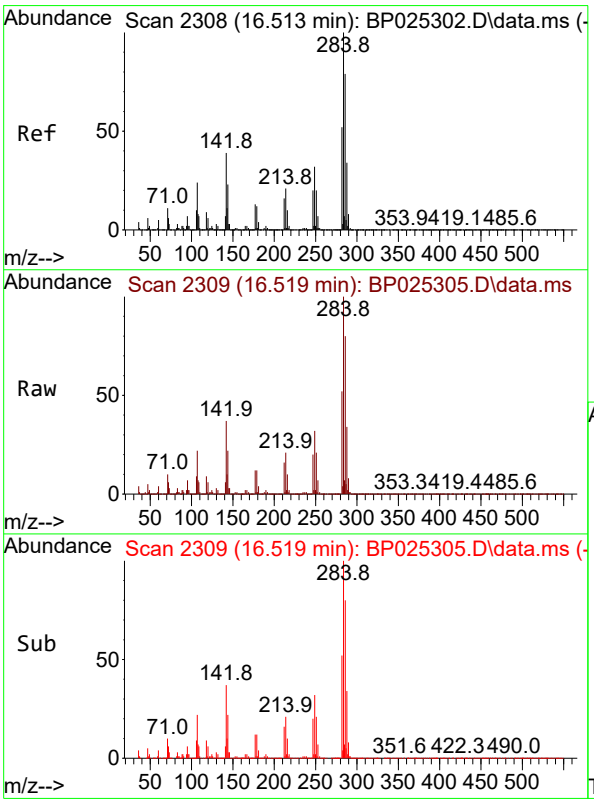
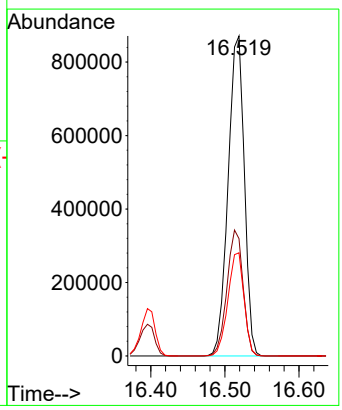
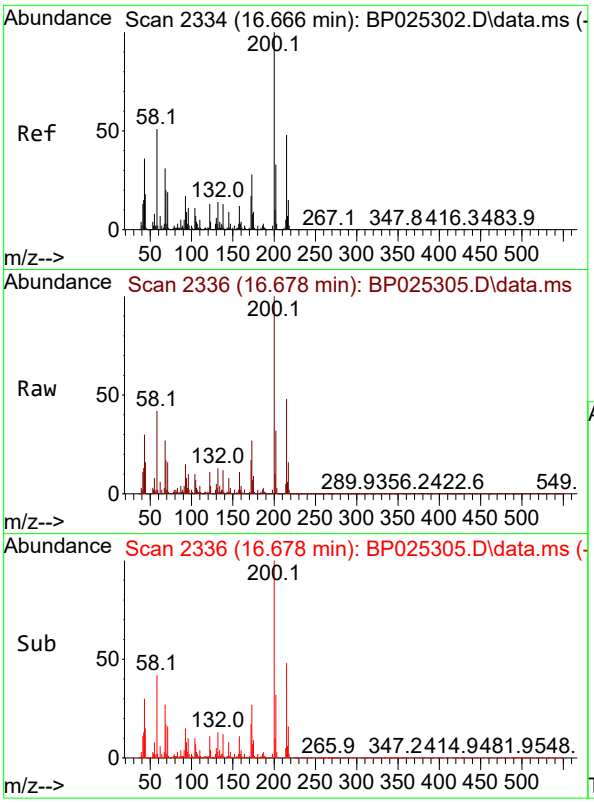


#68
Hexachlorobenzene
Concen: 77.280 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:284 Resp: 1326894

Ion	Ratio	Lower	Upper
284	100		
142	36.6	30.8	46.2
249	32.2	25.4	38.0

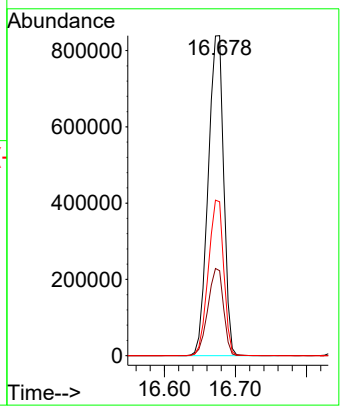




#69
Atrazine
Concen: 78.187 ng
RT: 16.678 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:200 Resp: 127325

Ion	Ratio	Lower	Upper
200	100		
173	26.6	8.2	48.2
215	48.1	28.1	68.1



Instrument :
BNA_P
ClientSampleId :
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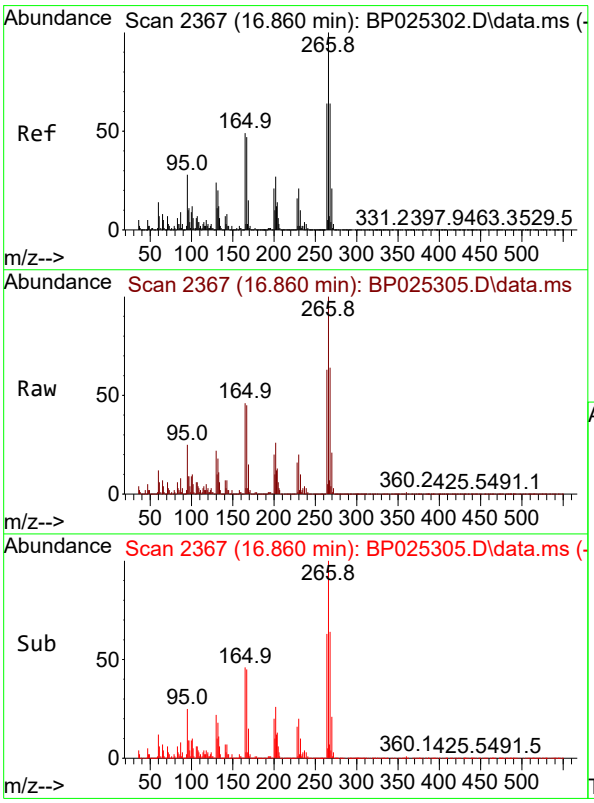
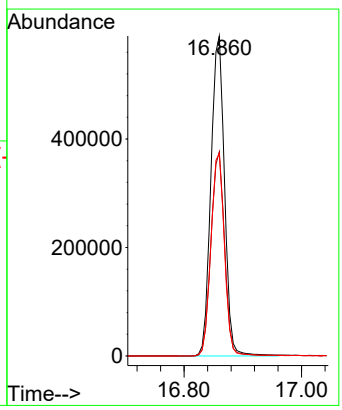
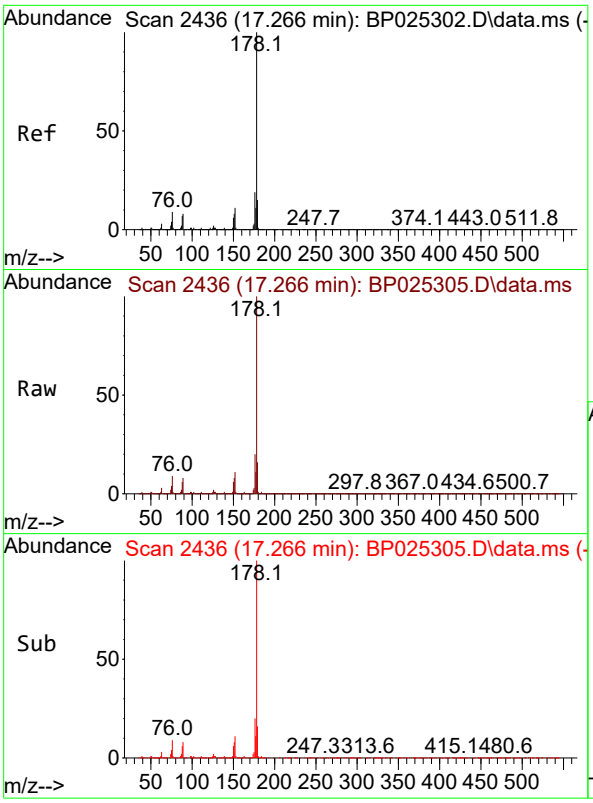


#70
Pentachlorophenol
Concen: 86.531 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:266 Resp: 946571

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.4	77.0
264	63.4	51.1	76.7

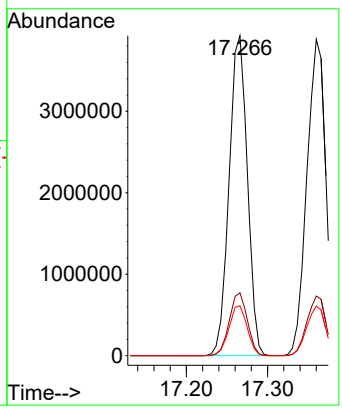




#71
Phenanthrene
Concen: 73.575 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:178 Resp: 612856

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
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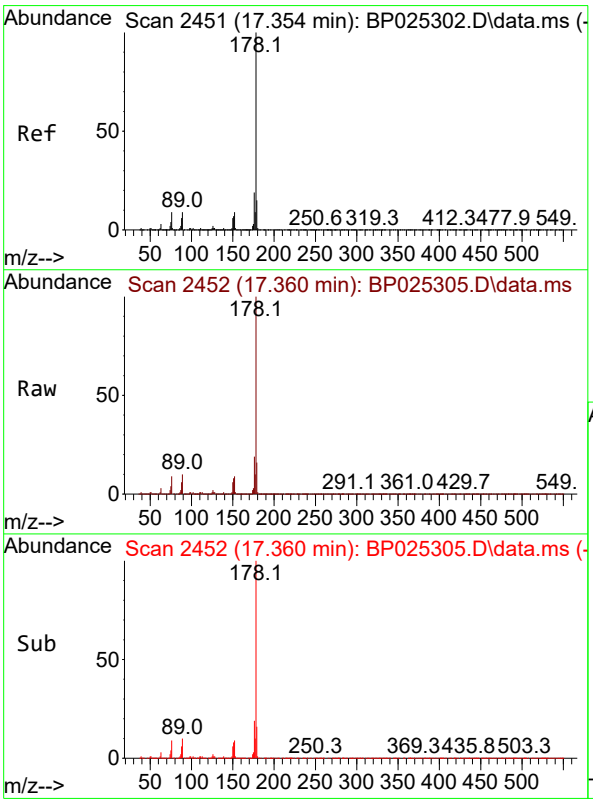
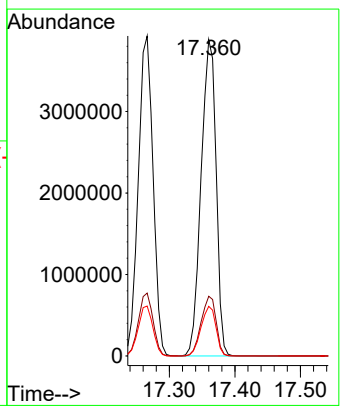
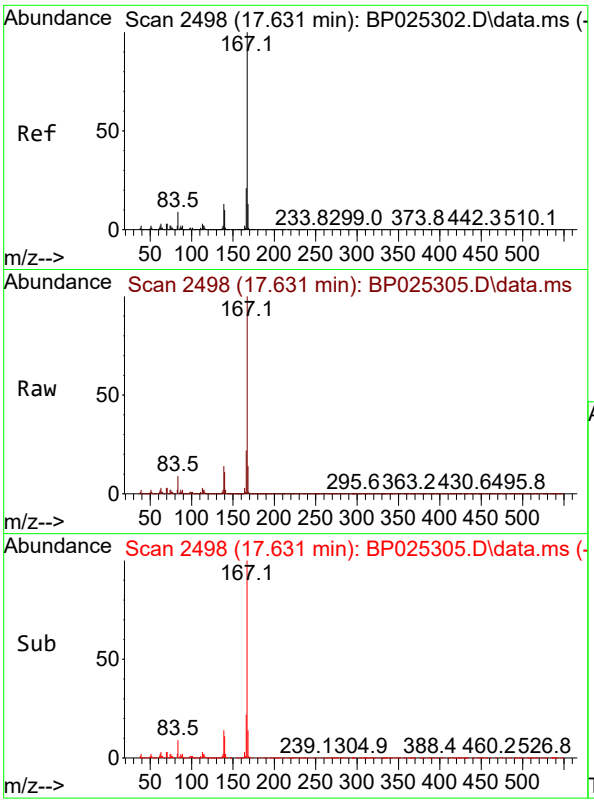


#72
Anthracene
Concen: 73.651 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:178 Resp: 6185852

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.7	12.3	18.5

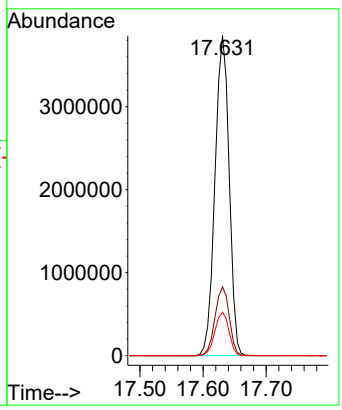




#73
Carbazole
Concen: 74.355 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:167 Resp: 599470

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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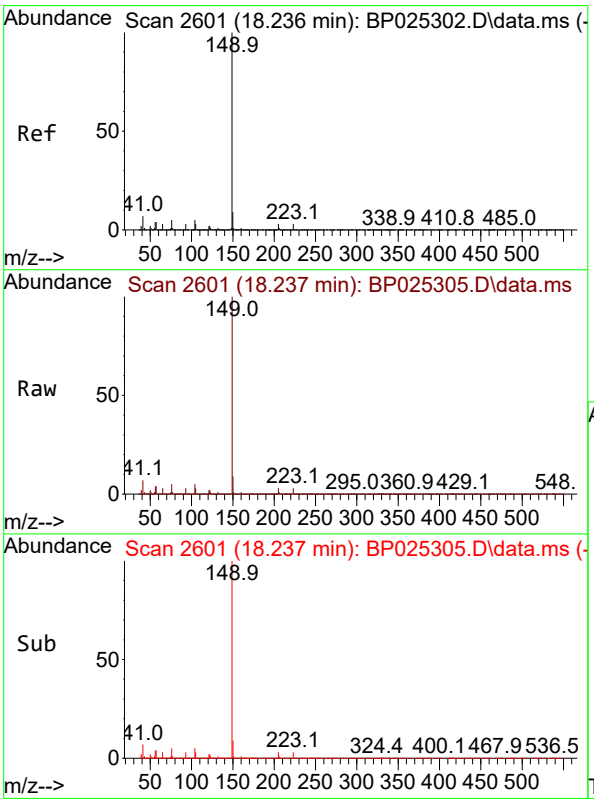
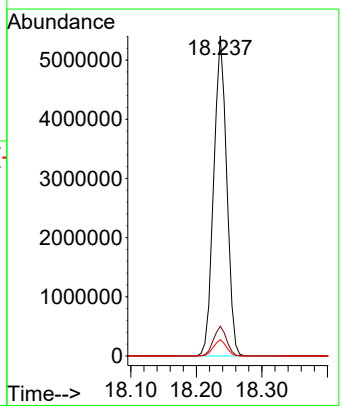
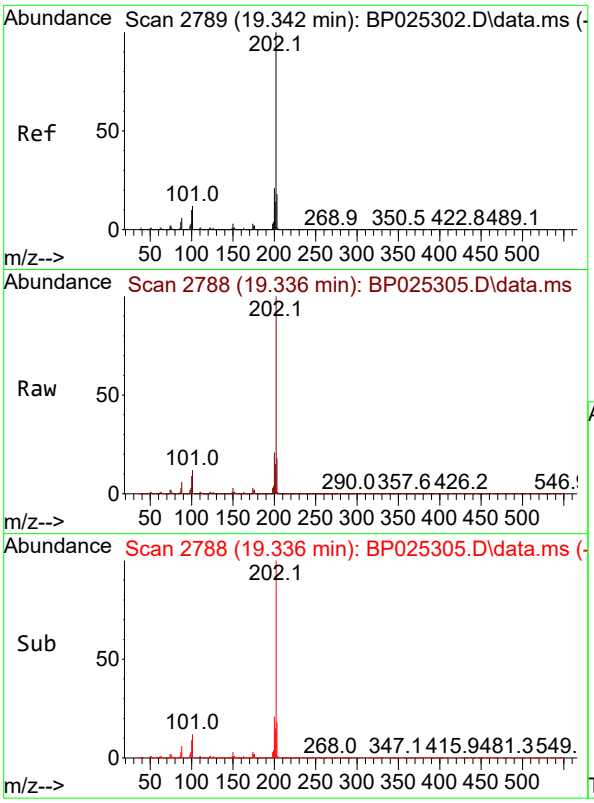


#74
Di-n-butylphthalate
Concen: 76.144 ng
RT: 18.237 min Scan# 2601
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 7426722

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1

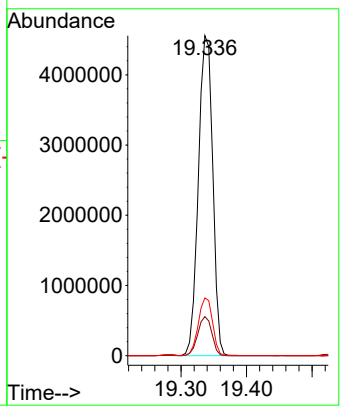




#75
Fluoranthene
Concen: 72.098 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:202 Resp: 695215

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.5
203	18.0	0.0	37.6



Instrument :
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ClientSampleId :
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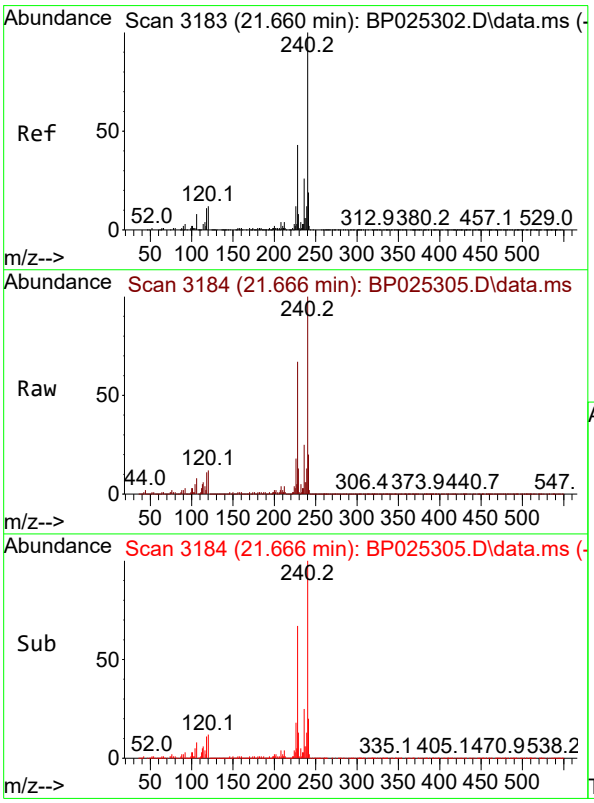
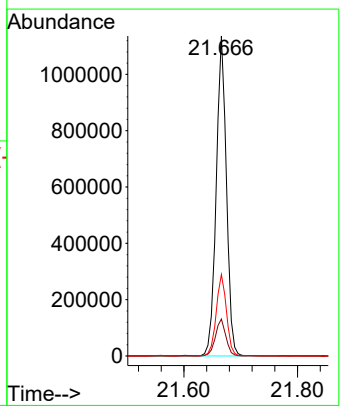
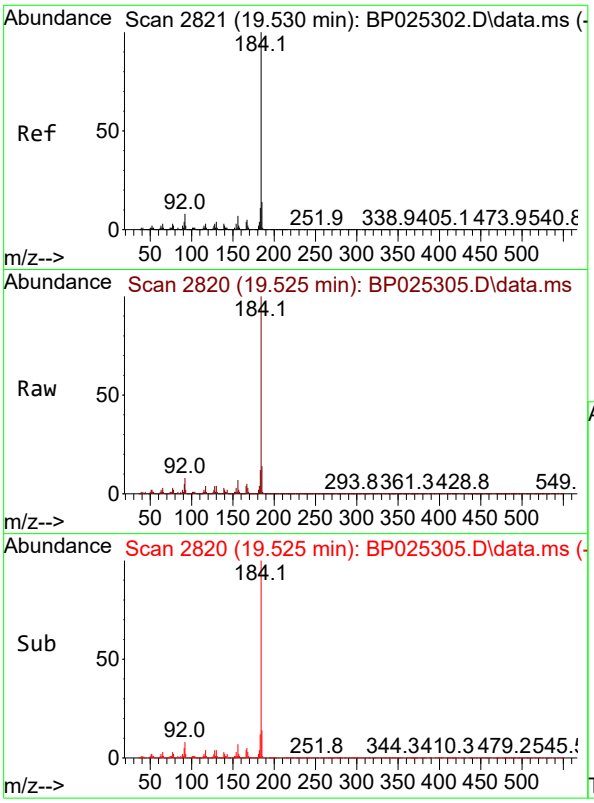


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:240 Resp: 1412527

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	25.5	20.4	30.6

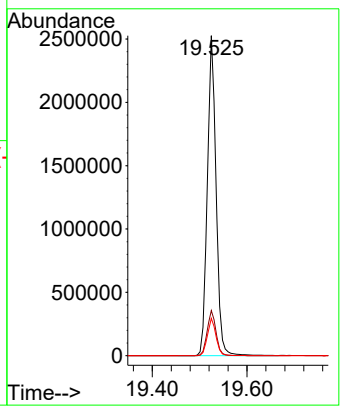




#77
Benzidine
Concen: 63.462 ng
RT: 19.525 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:184 Resp: 324454

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.7	9.2	13.8



Instrument :
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ClientSampleId :
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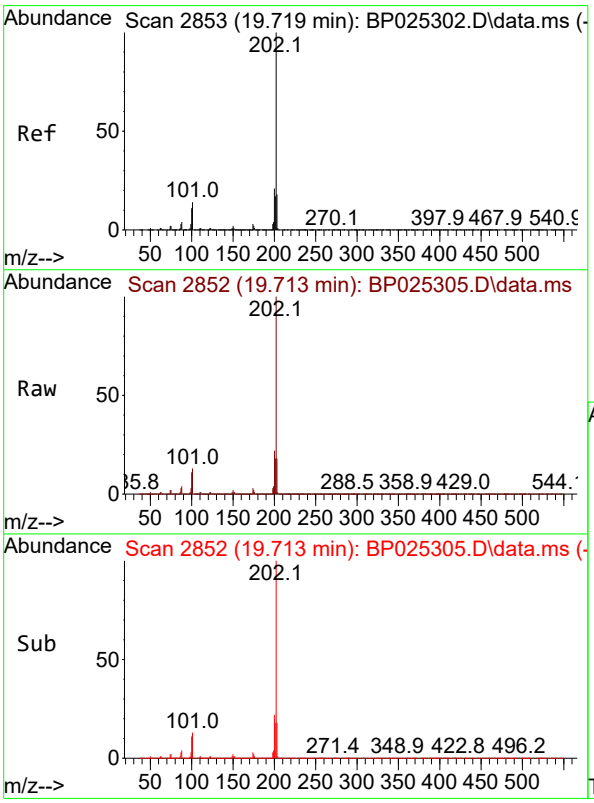
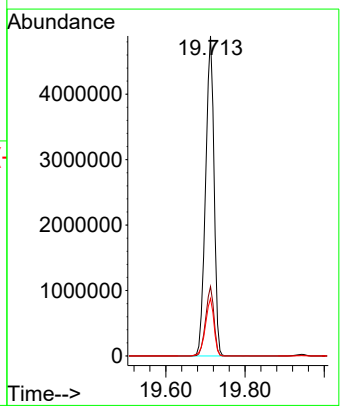
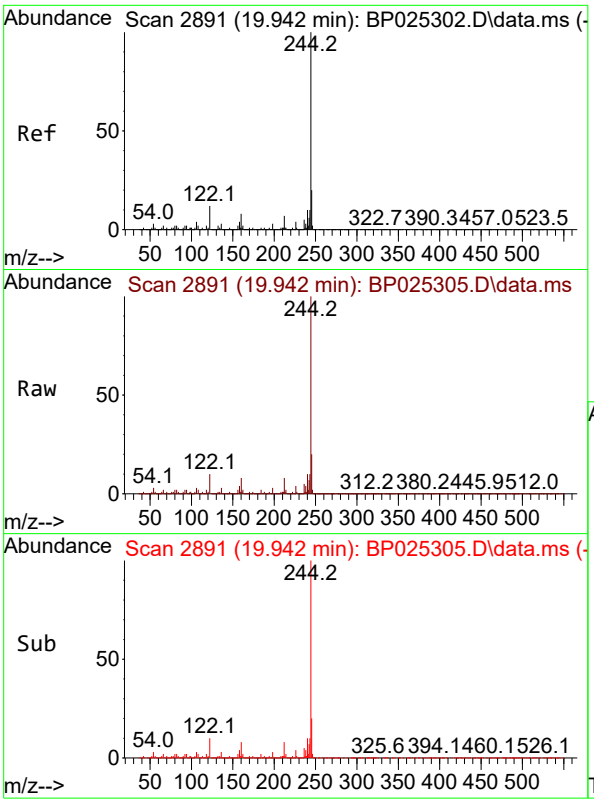


#78
Pyrene
Concen: 77.104 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:202 Resp: 7242380

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.7	25.1
203	18.0	14.1	21.1

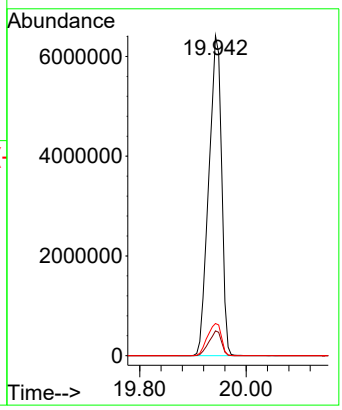




#79
Terphenyl-d14
Concen: 143.182 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:244 Resp:1070569

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.1	9.5	14.3



Instrument :
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ClientSampleId :
SSTDICC080

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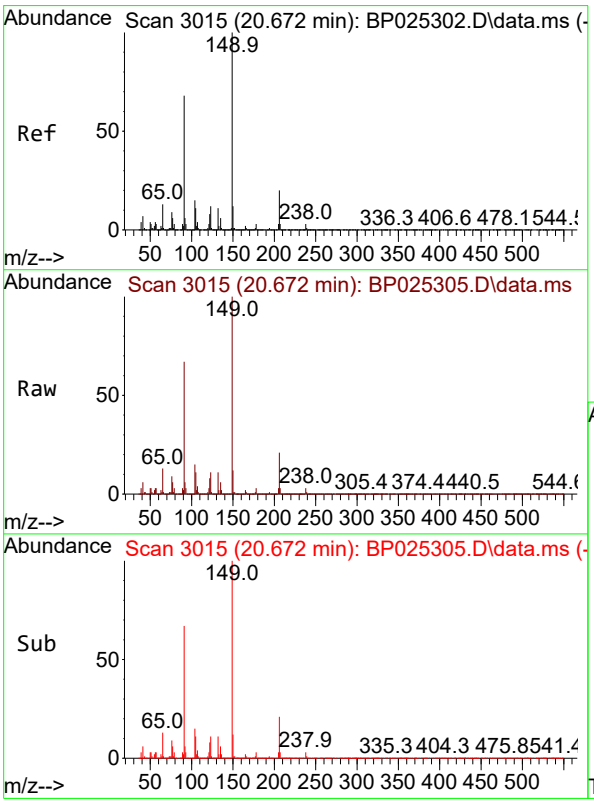
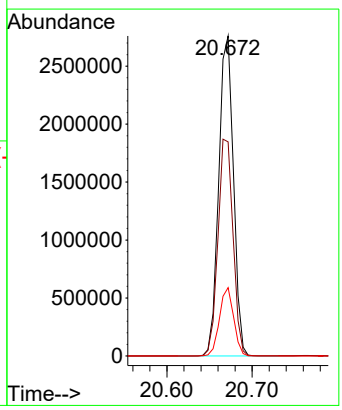
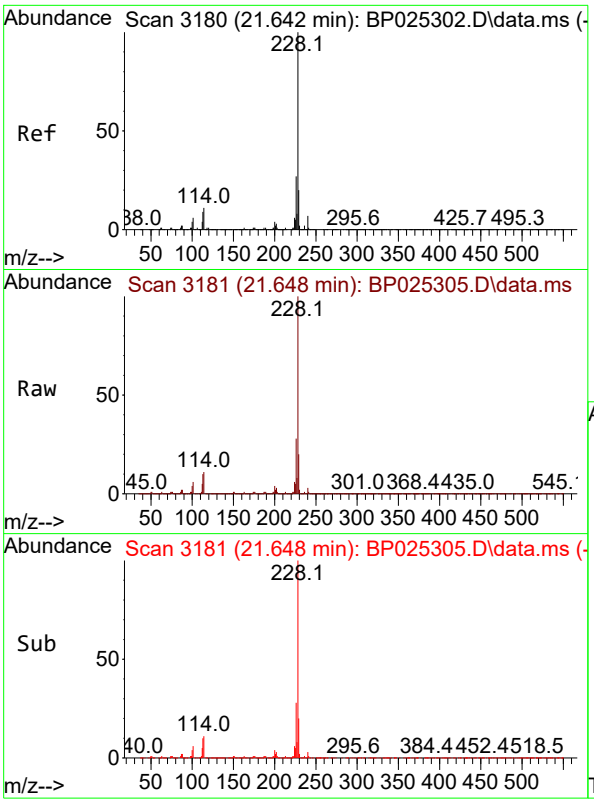


#80
Butylbenzylphthalate
Concen: 86.846 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 3308374

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.7	82.1
206	21.4	16.4	24.6

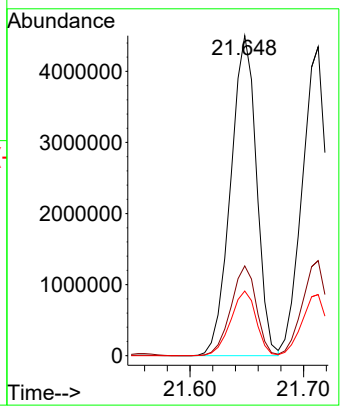




#81
Benzo(a)anthracene
Concen: 75.830 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:228 Resp: 711786

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.2	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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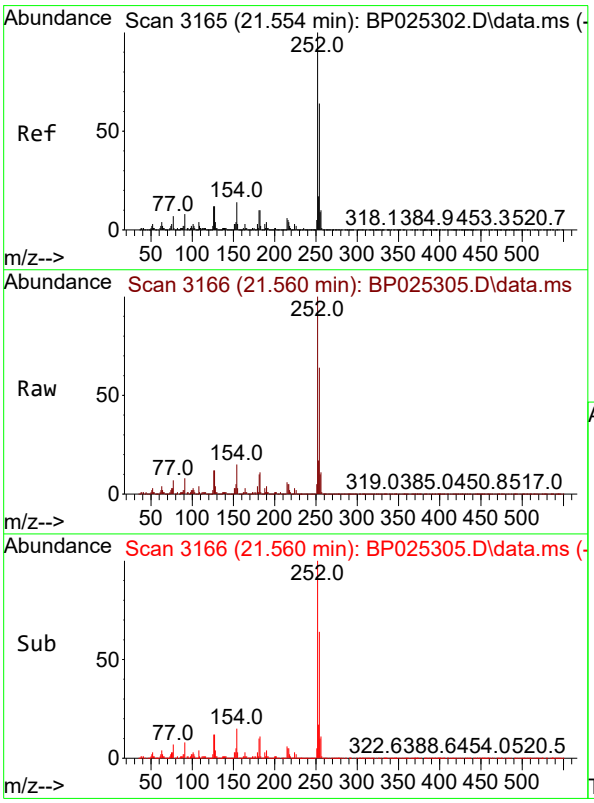
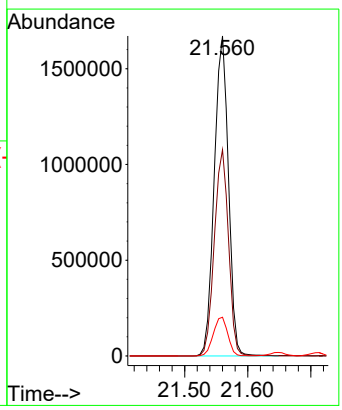
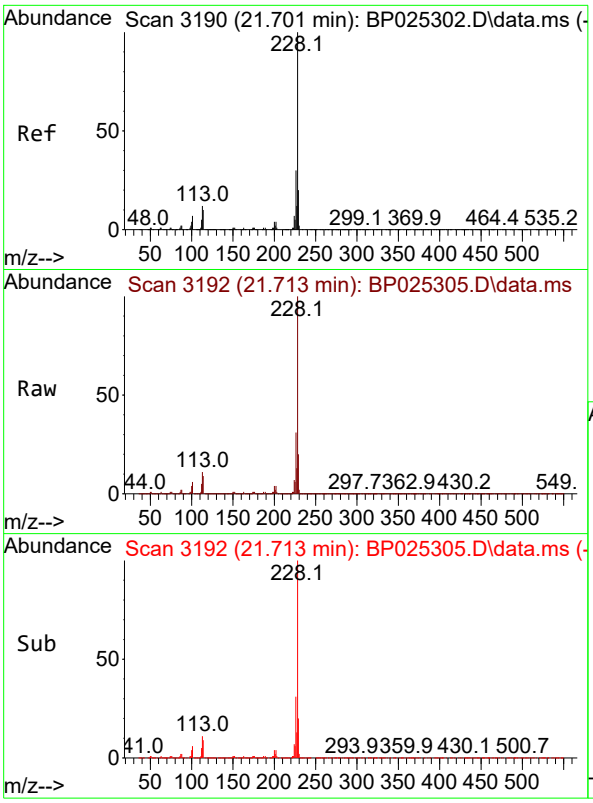


#82
3,3'-Dichlorobenzidine
Concen: 78.640 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 2604409

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.1	9.4	14.2

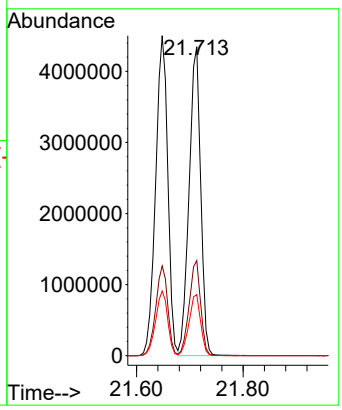




#83
Chrysene
Concen: 75.596 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:228 Resp: 658149

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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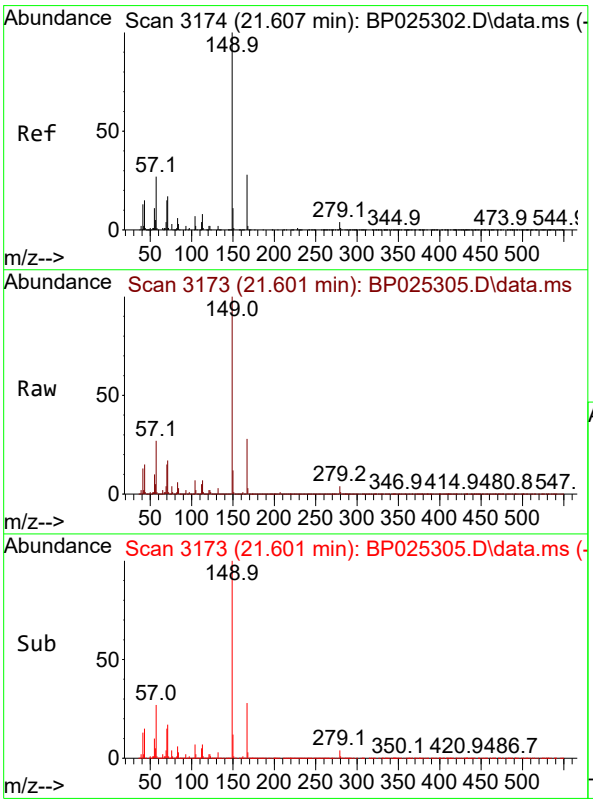
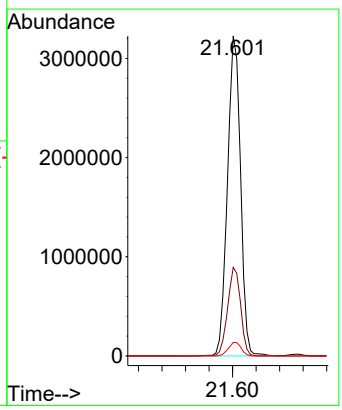
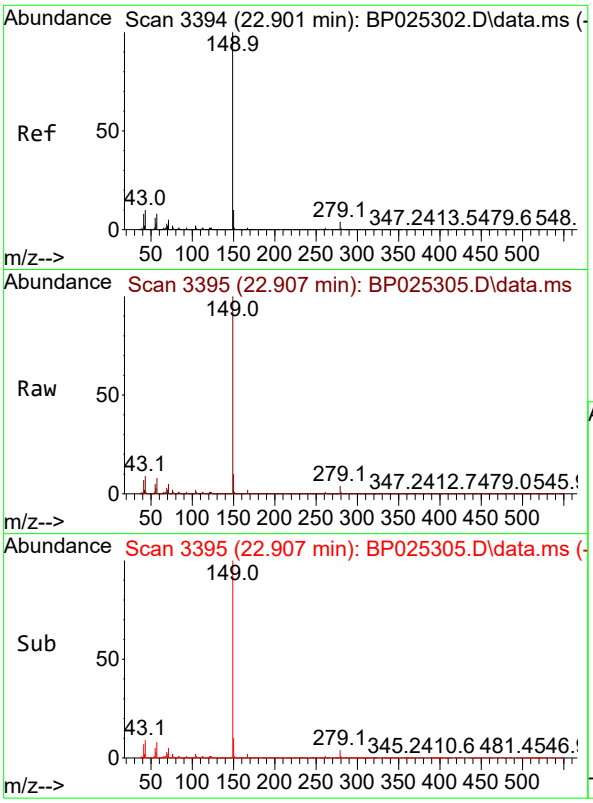


#84
Bis(2-ethylhexyl)phthalate
Concen: 81.923 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4983234

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.2	3.4	5.2

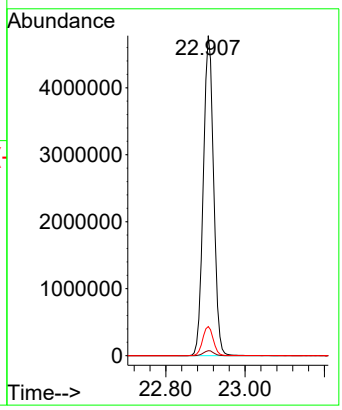




#85
Di-n-octyl phthalate
Concen: 84.688 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 862261

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
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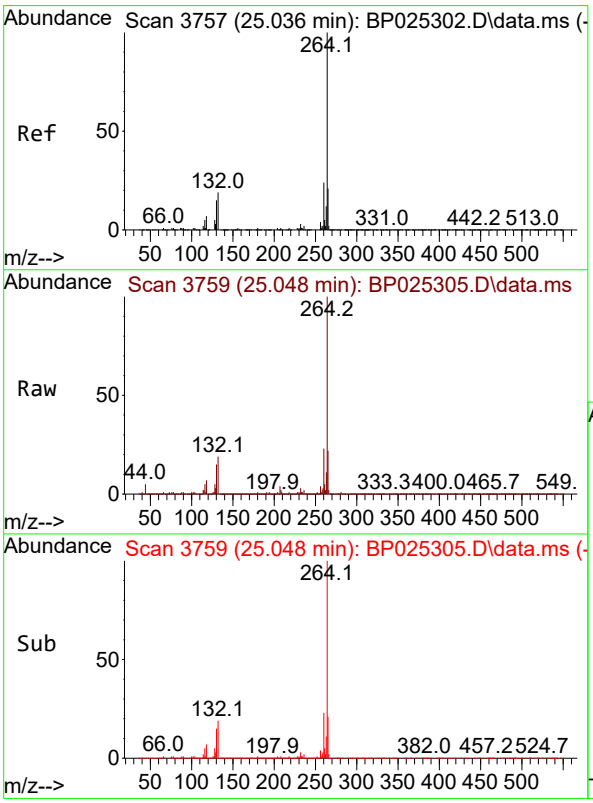
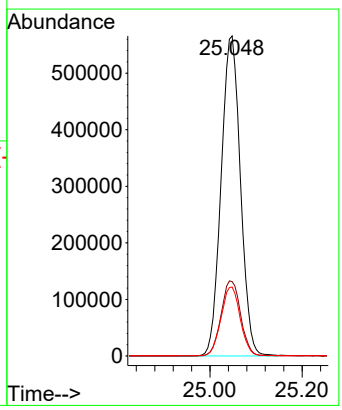
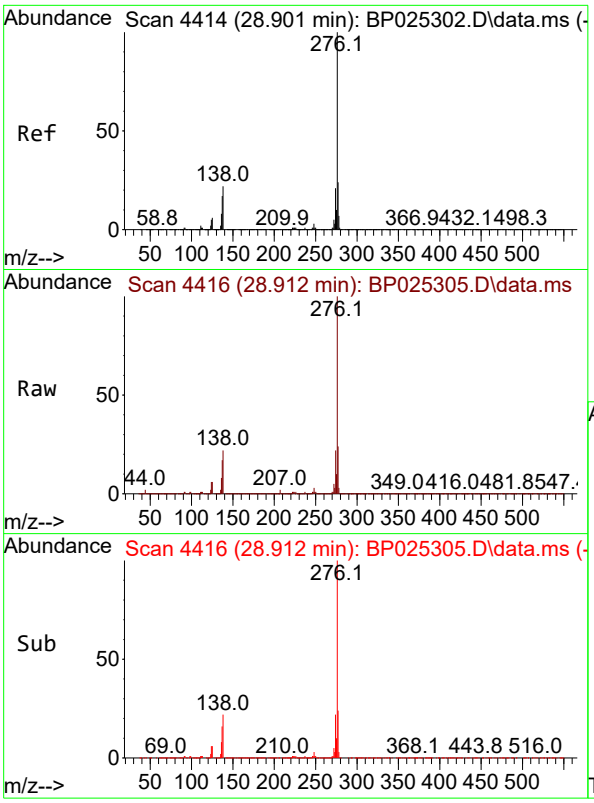


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:264 Resp: 1639865

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.1	25.7

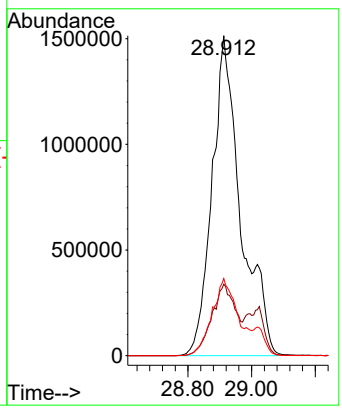




#87
Indeno(1,2,3-cd)pyrene
Concen: 80.231 ng m
RT: 28.912 min Scan# 4
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:276 Resp: 944431

Ion	Ratio	Lower	Upper
276	100		
138	18.9	14.6	22.0
277	21.9	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
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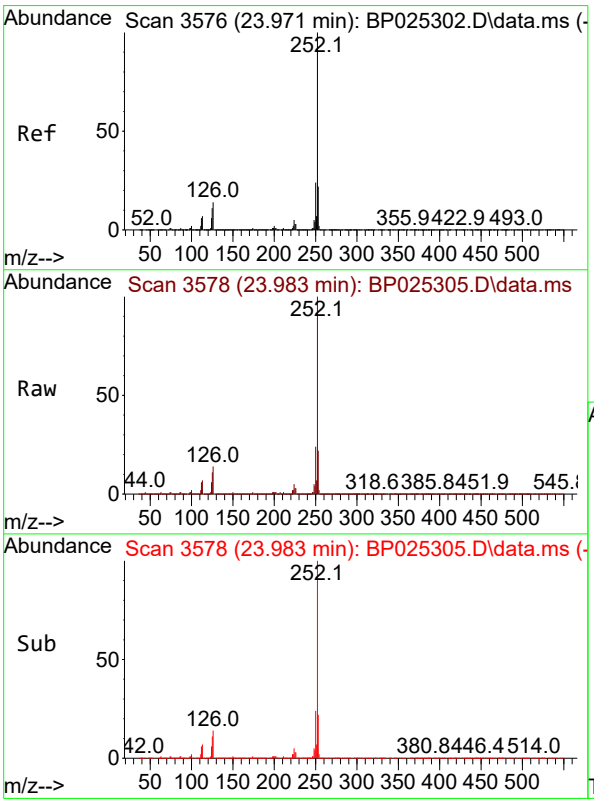
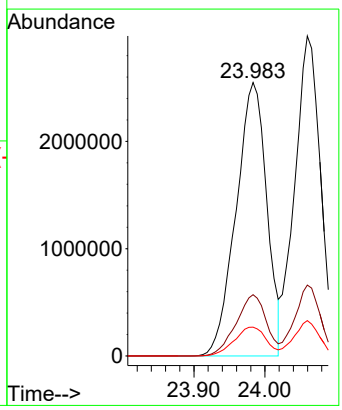
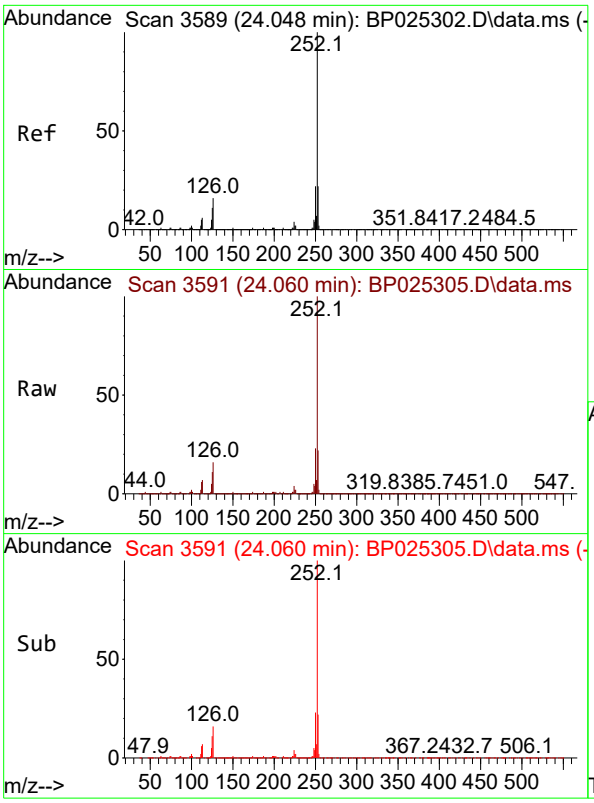


#88
Benzo(b)fluoranthene
Concen: 78.064 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7663180

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.6	8.5	12.7

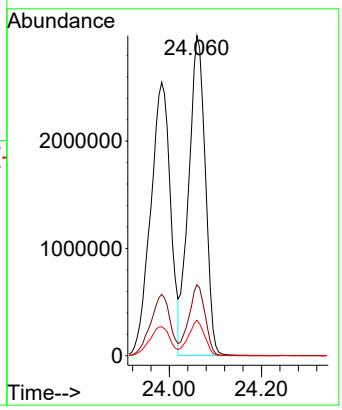




#89
Benzo(k)fluoranthene
Concen: 76.787 ng
RT: 24.060 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 747241

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.0	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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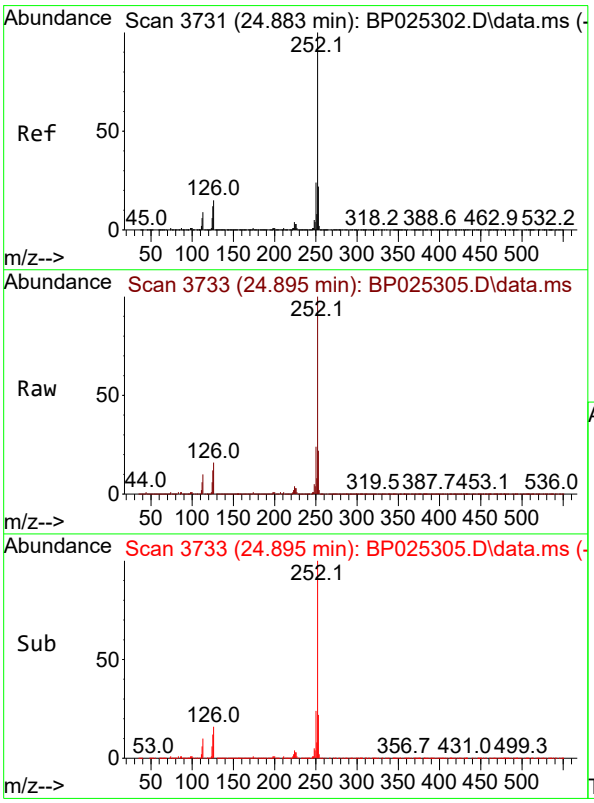
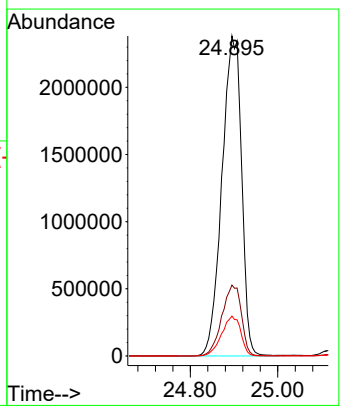
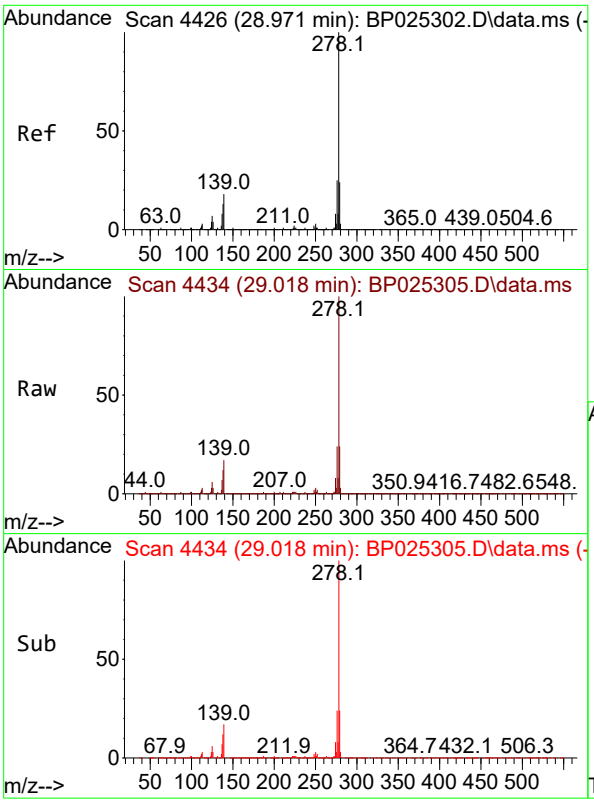


#90
Benzo(a)pyrene
Concen: 78.309 ng
RT: 24.895 min Scan# 3733
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7402973

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.4	9.4	14.0

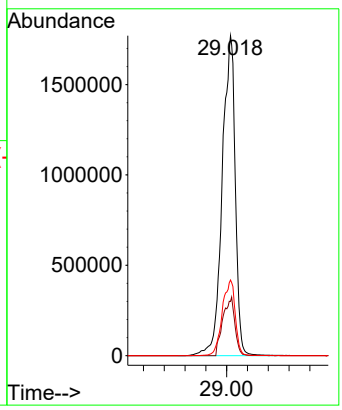




#91
Dibenzo(a,h)anthracene
Concen: 80.082 ng
RT: 29.018 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:278 Resp: 770895

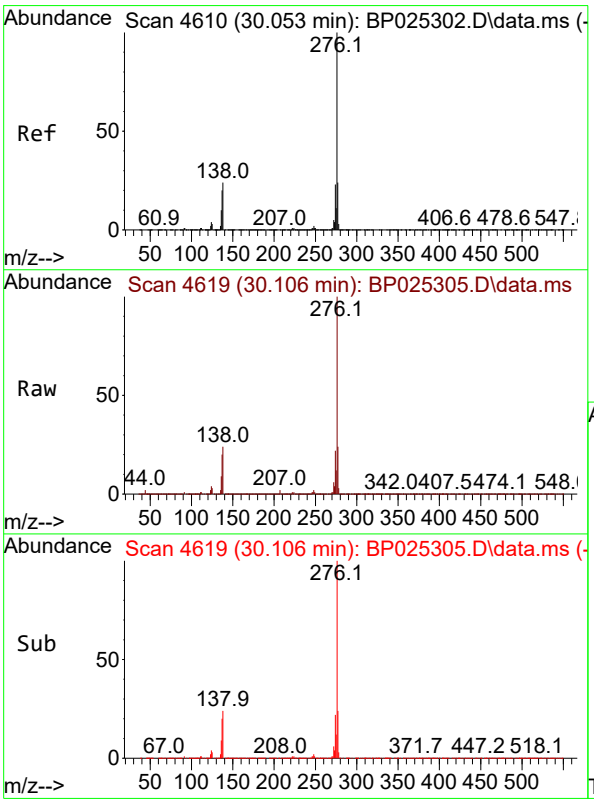
Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.6	22.0
279	23.7	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

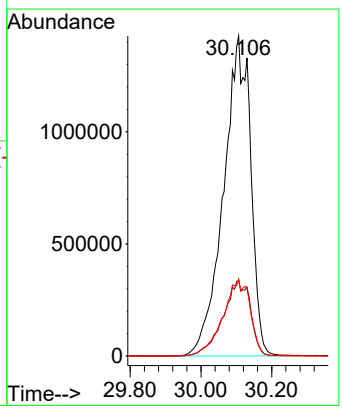
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 80.324 ng m
RT: 30.106 min Scan# 4619
Delta R.T. 0.053 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:276 Resp: 7590772

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	24.0	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	275520	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1222241	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	802996	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1605717	20.000	ng	-0.01
76) Chrysene-d12	21.666	240	1565231	20.000	ng	0.00
86) Perylene-d12	25.042	264	1730065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1181310	68.960	ng	0.00
7) Phenol-d6	6.966	99	1590709	70.557	ng	0.00
23) Nitrobenzene-d5	8.943	82	1586597	71.916	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	618969	77.267	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3743672	64.394	ng	0.00
79) Terphenyl-d14	19.936	244	5251220	63.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	221468	32.761	ng	99
3) Pyridine	3.725	79	674974	35.938	ng	99
4) n-Nitrosodimethylamine	3.637	42	315629	36.198	ng	97
6) Aniline	7.131	93	1168199	37.746	ng	100
8) 2-Chlorophenol	7.366	128	716630	38.218	ng	99
9) Benzaldehyde	6.949	77	542125	33.857	ng	99
10) Phenol	6.990	94	908541	37.664	ng	100
11) bis(2-Chloroethyl)ether	7.231	93	715577	37.860	ng	99
12) 1,3-Dichlorobenzene	7.696	146	777323	36.894	ng	100
13) 1,4-Dichlorobenzene	7.837	146	790167	37.069	ng	99
14) 1,2-Dichlorobenzene	8.149	146	766897	37.139	ng	98
15) Benzyl Alcohol	8.031	79	668093	38.230	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1098738	36.800	ng	99
17) 2-Methylphenol	8.225	107	633399	39.242	ng	98
18) Hexachloroethane	8.878	117	287484	37.712	ng	98
19) n-Nitroso-di-n-propyla...	8.596	70	578735	39.071	ng	99
20) 3+4-Methylphenols	8.549	107	858644	38.632	ng	98
22) Acetophenone	8.607	105	1158440	37.755	ng	100
24) Nitrobenzene	8.978	77	818671	39.201	ng	99
25) Isophorone	9.507	82	1701592	38.747	ng	99
26) 2-Nitrophenol	9.690	139	353273	39.528	ng	98
27) 2,4-Dimethylphenol	9.743	122	756826	37.381	ng	96
28) bis(2-Chloroethoxy)met...	9.984	93	1017512	38.088	ng	99
29) 2,4-Dichlorophenol	10.213	162	706413	39.853	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	736298	37.651	ng	100
31) Naphthalene	10.619	128	2369705	37.348	ng	99
32) Benzoic acid	9.872	122	476318	43.119	ng	96
33) 4-Chloroaniline	10.719	127	1097955	38.908	ng	99
34) Hexachlorobutadiene	10.913	225	426384	37.983	ng	98
35) Caprolactam	11.478	113	268817	39.093	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	817278	39.847	ng	99
37) 2-Methylnaphthalene	12.225	142	1546620	37.660	ng	99
38) 1-Methylnaphthalene	12.443	142	1647105	38.438	ng	99
40) 1,2,4,5-Tetrachloroben...	12.595	216	806158	36.772	ng	100
41) Hexachlorocyclopentadiene	12.584	237	532962	39.389	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	574283	40.551	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	637340	40.117	ng		99
46) 1,1'-Biphenyl	13.242	154	2225078	37.601	ng		100
47) 2-Chloronaphthalene	13.284	162	1670076	36.992	ng		99
48) 2-Nitroaniline	13.472	65	509511	39.111	ng		97
49) Acenaphthylene	14.131	152	2839893	37.711	ng		100
50) Dimethylphthalate	13.872	163	2210689	37.765	ng		100
51) 2,6-Dinitrotoluene	13.978	165	464068	42.979	ng		94
52) Acenaphthene	14.484	154	1741305	37.908	ng		99
53) 3-Nitroaniline	14.307	138	542330	42.925	ng		100
54) 2,4-Dinitrophenol	14.513	184	192889	44.579	ng	#	52
55) Dibenzofuran	14.819	168	2564382	37.357	ng		100
56) 4-Nitrophenol	14.613	139	459387	41.198	ng		95
57) 2,4-Dinitrotoluene	14.766	165	648337	39.363	ng		96
58) Fluorene	15.478	166	1972403	36.584	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	537674	40.516	ng		99
60) Diethylphthalate	15.260	149	2250136	38.127	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	936379	36.635	ng		99
62) 4-Nitroaniline	15.484	138	521442	41.652	ng		98
63) Azobenzene	15.778	77	2076036	37.866	ng		99
65) 4,6-Dinitro-2-methylph...	15.548	198	293694	43.059	ng		98
66) n-Nitrosodiphenylamine	15.695	169	1831755	37.466	ng		99
67) 4-Bromophenyl-phenylether	16.389	248	612029	37.882	ng		98
68) Hexachlorobenzene	16.507	284	678667	37.437	ng		98
69) Atrazine	16.672	200	660816	38.434	ng		99
70) Pentachlorophenol	16.848	266	469548	40.655	ng		97
71) Phenanthrene	17.260	178	3218487	36.596	ng		99
72) Anthracene	17.354	178	3374425	38.053	ng		100
73) Carbazole	17.625	167	3142276	36.915	ng		99
74) Di-n-butylphthalate	18.236	149	4081711	39.636	ng		100
75) Fluoranthene	19.342	202	3757235	36.904	ng		99
77) Benzidine	19.536	184	2380752	42.024	ng		99
78) Pyrene	19.719	202	3853987	37.027	ng		99
80) Butylbenzylphthalate	20.677	149	1775636	42.064	ng		99
81) Benzo(a)anthracene	21.648	228	3826778	36.791	ng		99
82) 3,3'-Dichlorobenzidine	21.566	252	1431183	38.998	ng		99
83) Chrysene	21.719	228	3541271	36.707	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	2765334	41.026	ng		99
85) Di-n-octyl phthalate	22.913	149	4594460	40.723	ng		99
87) Indeno(1,2,3-cd)pyrene	28.895	276	4594863m	37.054	ng		
88) Benzo(b)fluoranthene	23.971	252	3794446	36.638	ng		100
89) Benzo(k)fluoranthene	24.036	252	3839465	37.398	ng		99
90) Benzo(a)pyrene	24.877	252	3753992	37.640	ng		99
91) Dibenzo(a,h)anthracene	28.983	278	3762707	37.050	ng		99
92) Benzo(g,h,i)perylene	30.083	276	3674873	36.870	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

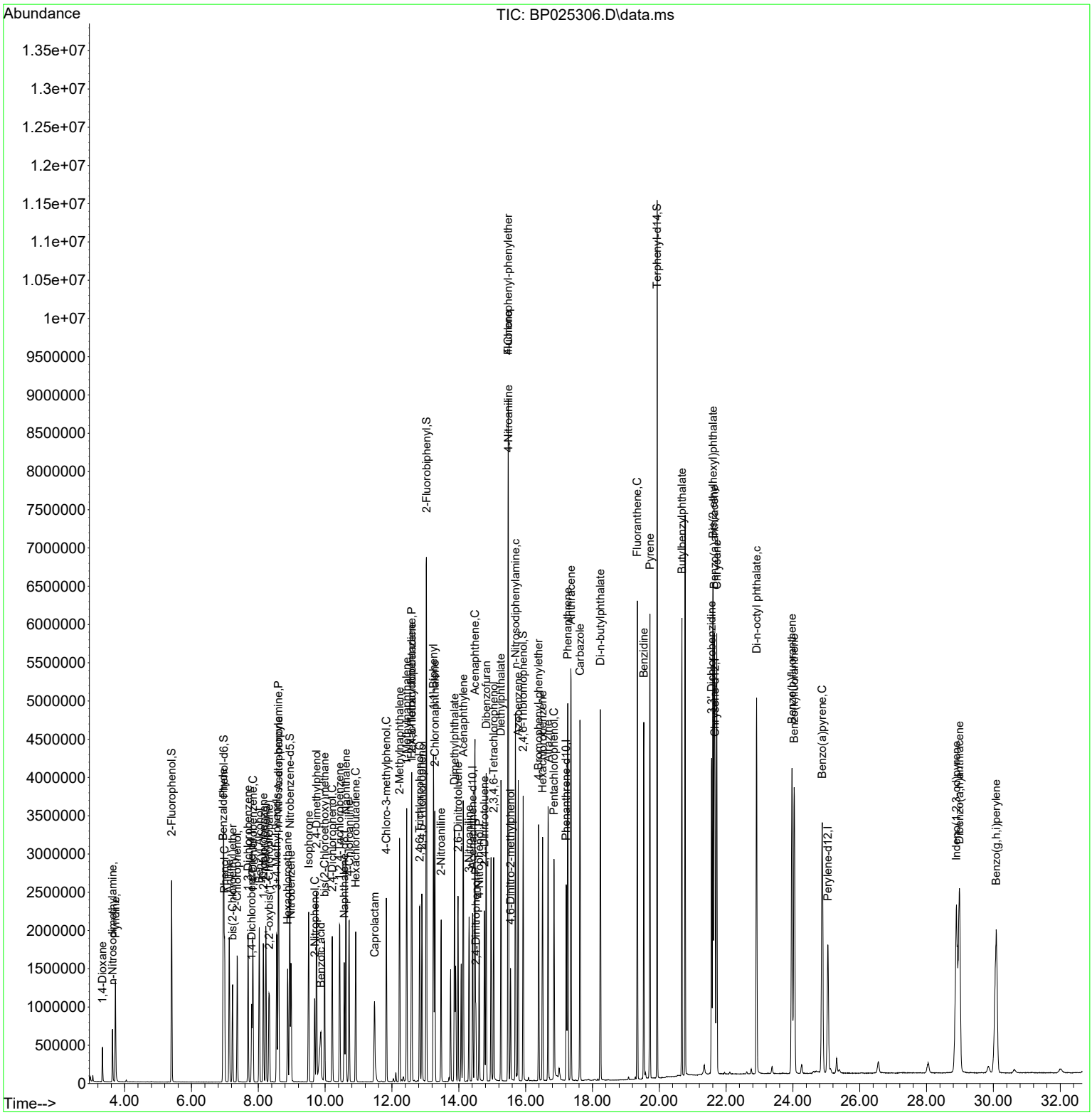
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

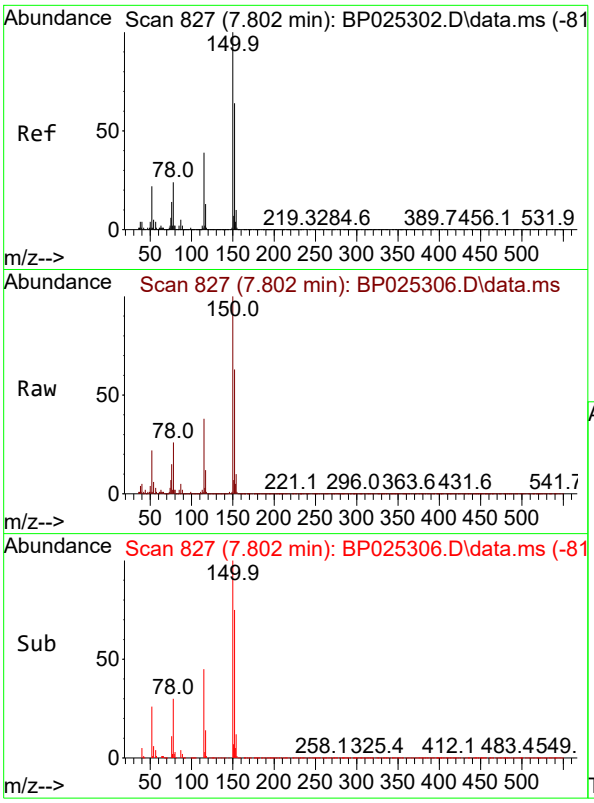
Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

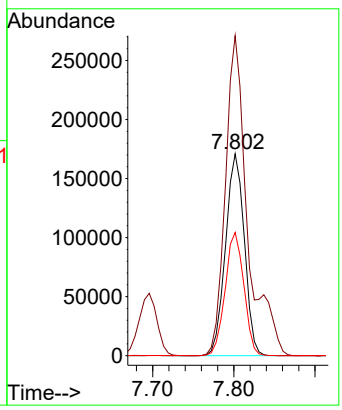




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:152 Resp: 27552

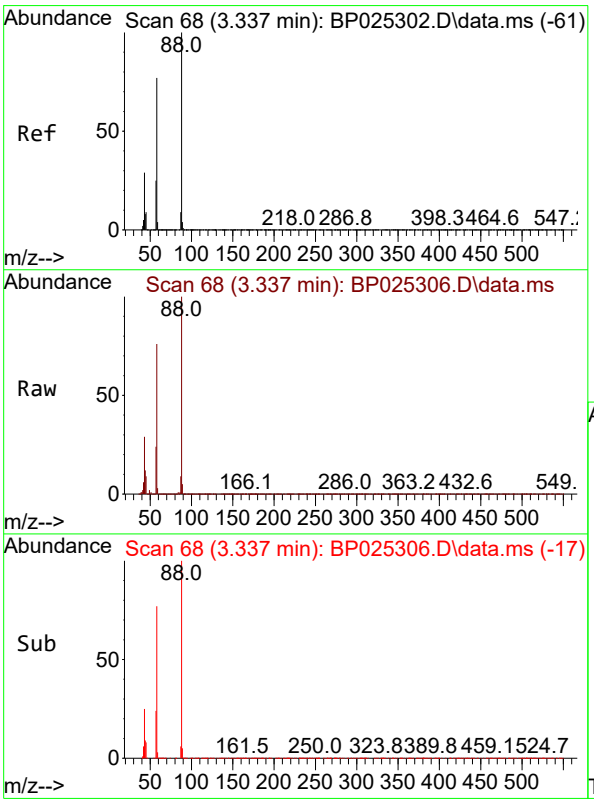
Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.1	187.7
115	61.0	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

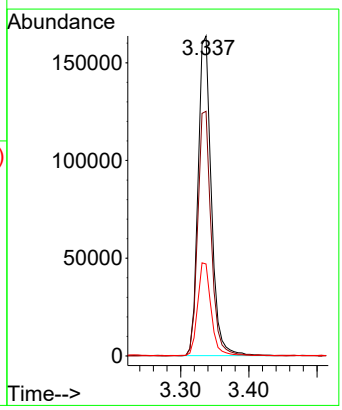
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

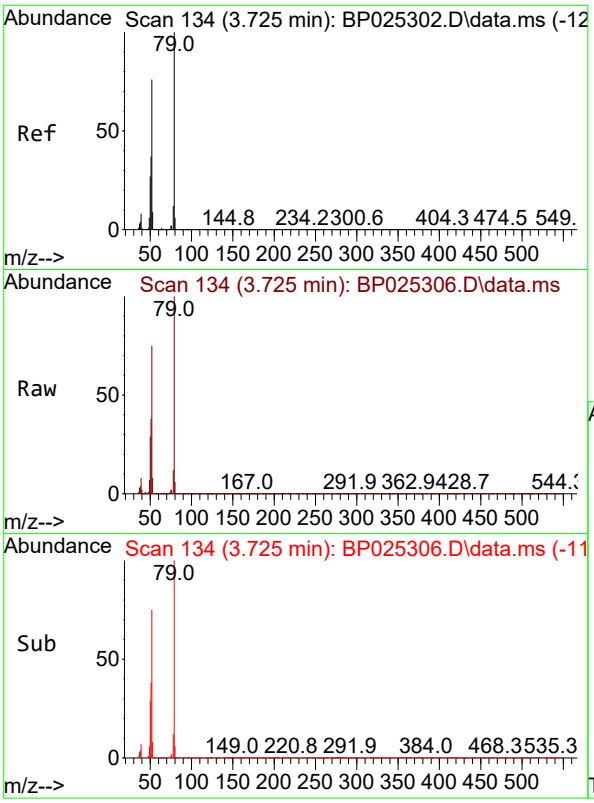


#2
1,4-Dioxane
Concen: 32.761 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 88 Resp: 221468

Ion	Ratio	Lower	Upper
88	100		
58	77.6	61.9	92.9
43	29.2	24.2	36.2

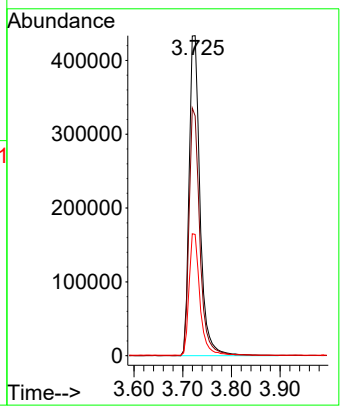




#3
Pyridine
Concen: 35.938 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 79 Resp: 67497

Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.9	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
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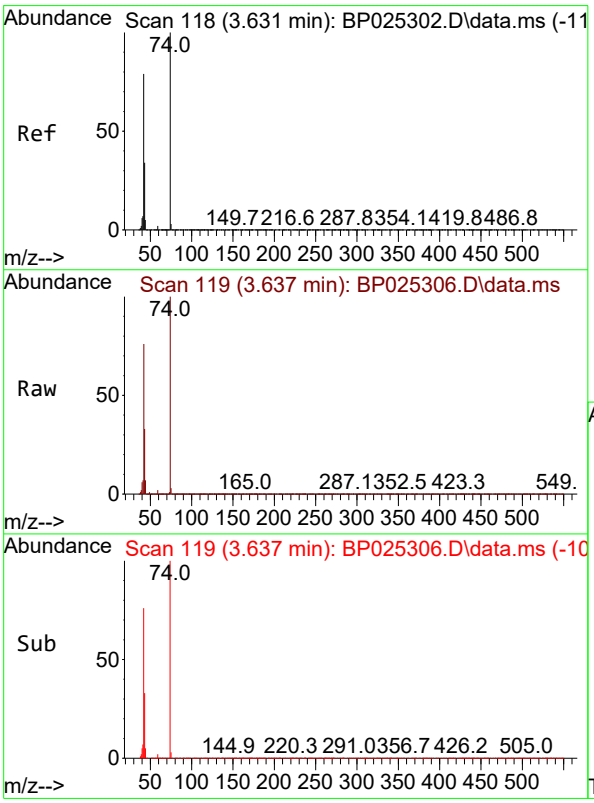
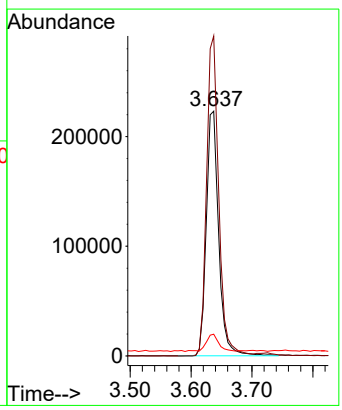
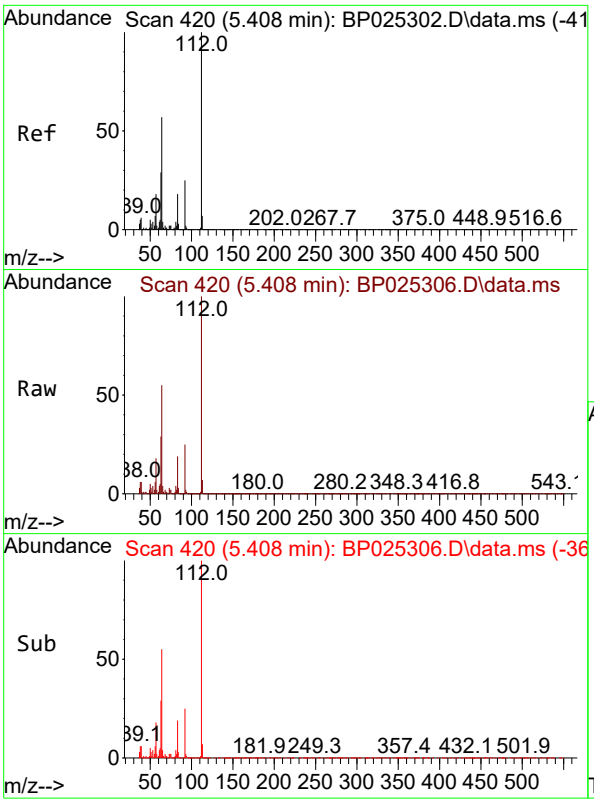


#4
n-Nitrosodimethylamine
Concen: 36.198 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 42 Resp: 315629

Ion	Ratio	Lower	Upper
42	100		
74	130.8	101.4	152.2
44	8.9	7.6	11.4

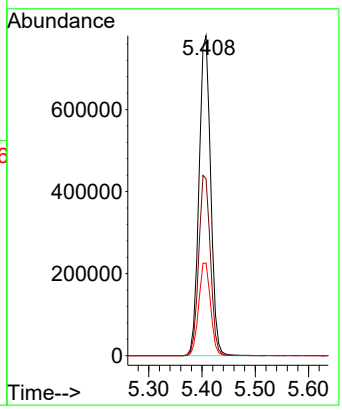




#5
2-Fluorophenol
Concen: 68.960 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:112 Resp: 118131

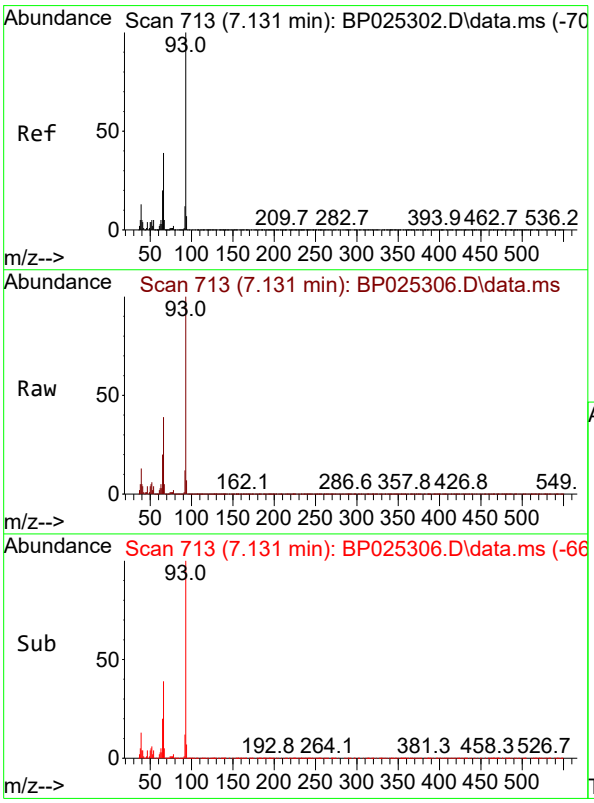
Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.3	67.9
63	29.0	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

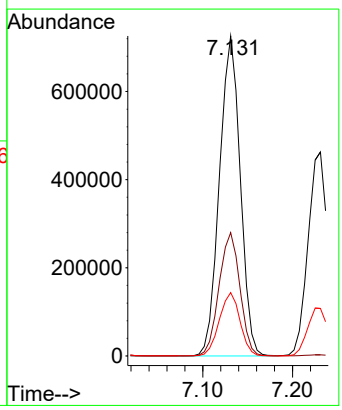
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

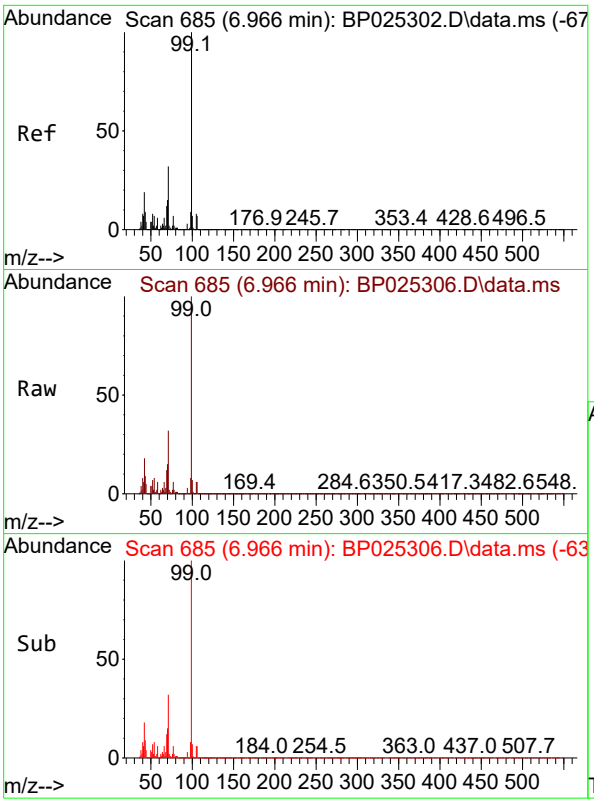


#6
Aniline
Concen: 37.746 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1168199

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.1	46.7
65	19.8	15.8	23.8

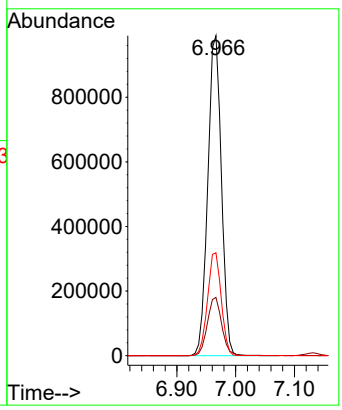




#7
Phenol-d6
Concen: 70.557 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 99 Resp: 159070

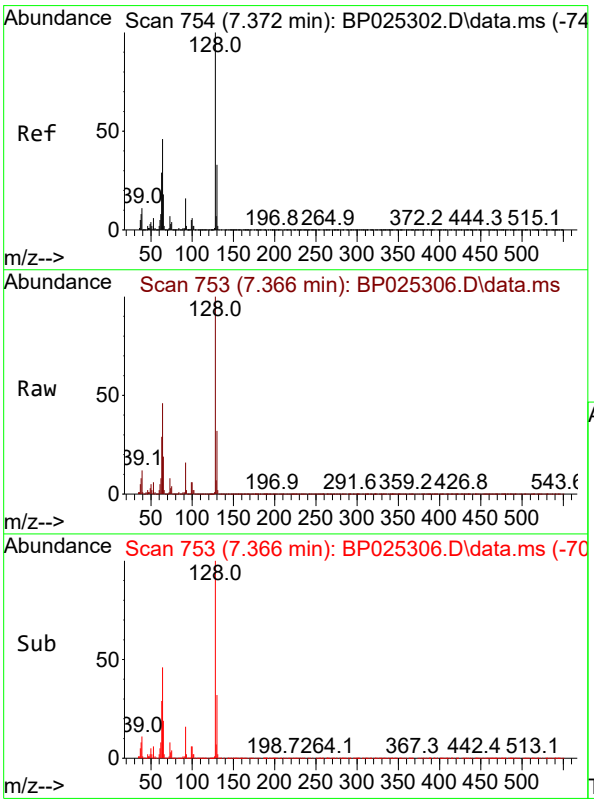
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.6
71	32.2	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

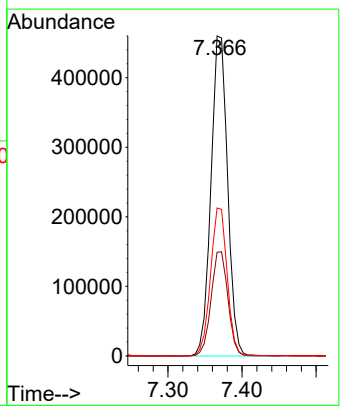
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

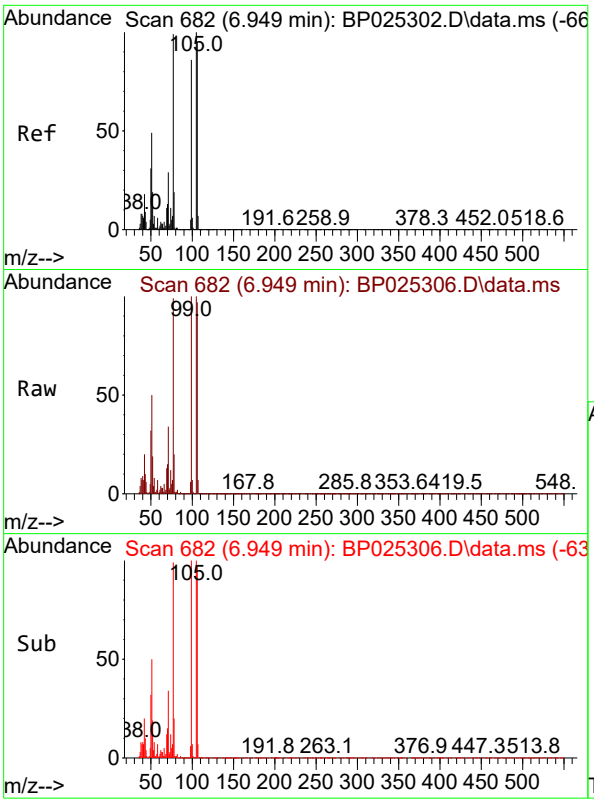


#8
2-Chlorophenol
Concen: 38.218 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:128 Resp: 716630

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.1	53.1
64	46.3	26.1	66.1

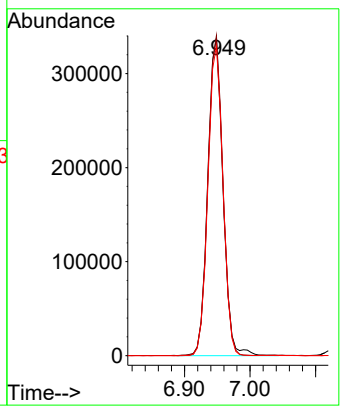




#9
Benzaldehyde
Concen: 33.857 ng
RT: 6.949 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 54212

Ion	Ratio	Lower	Upper
77	100		
105	100.7	81.4	121.4
106	97.5	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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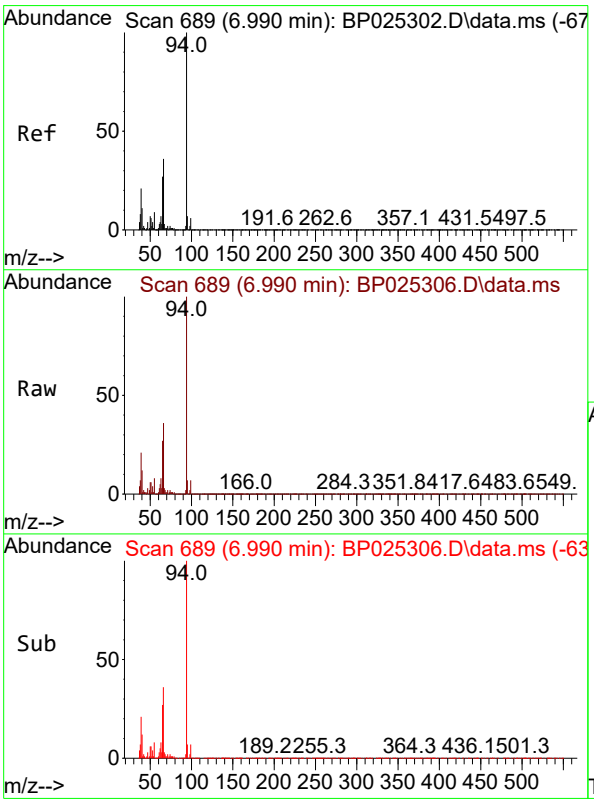
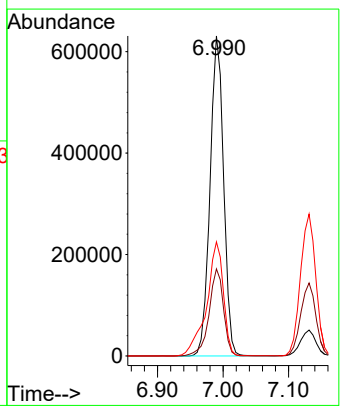
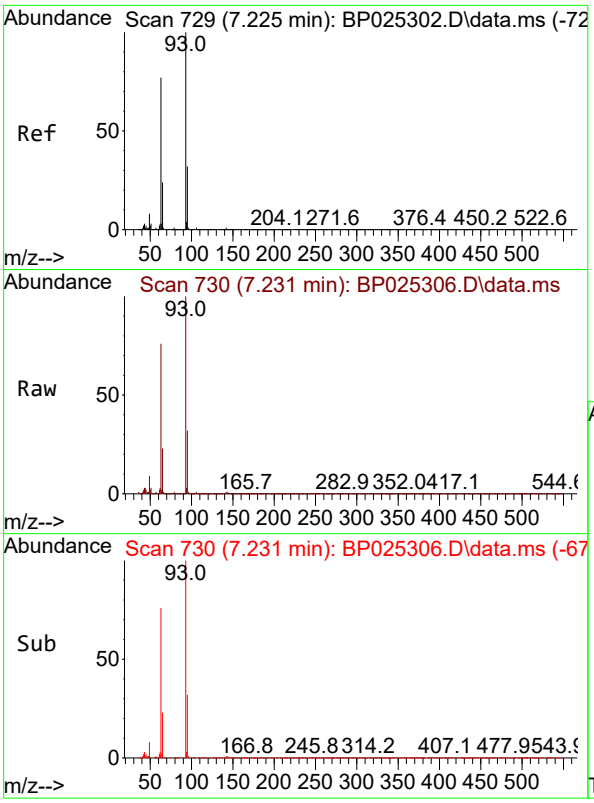


#10
Phenol
Concen: 37.664 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 94 Resp: 908541

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	35.6	15.7	55.7

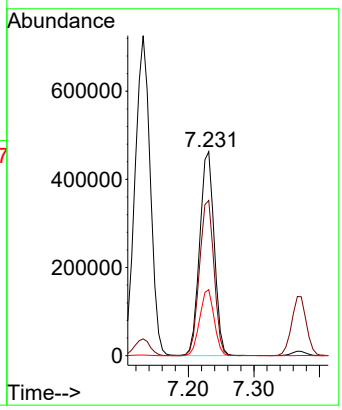




#11
bis(2-Chloroethyl)ether
Concen: 37.860 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 71557

Ion	Ratio	Lower	Upper
93	100		
63	76.1	57.0	97.0
95	32.4	12.1	52.1



Instrument :
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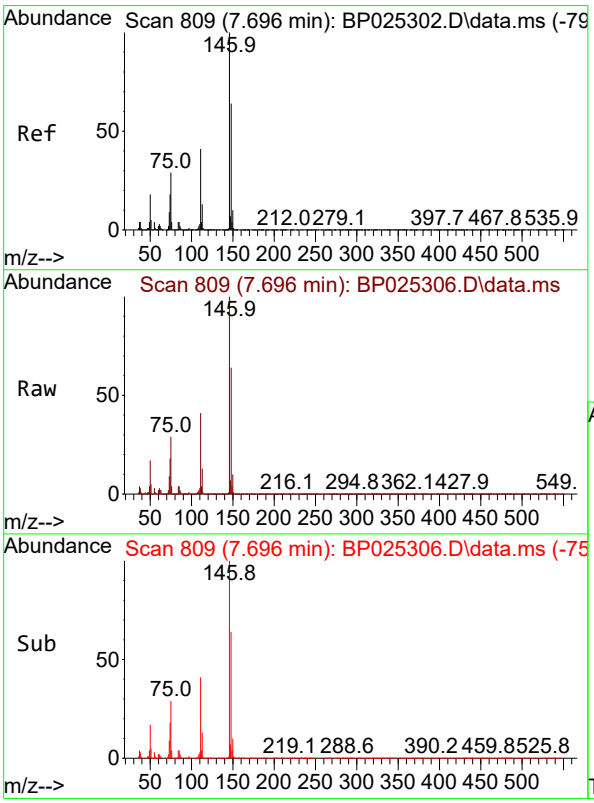
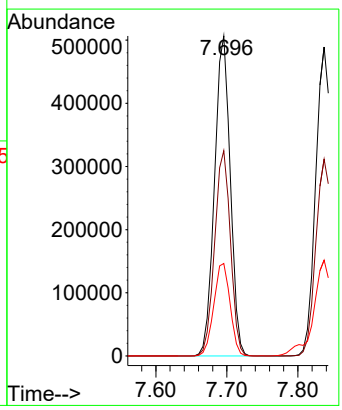
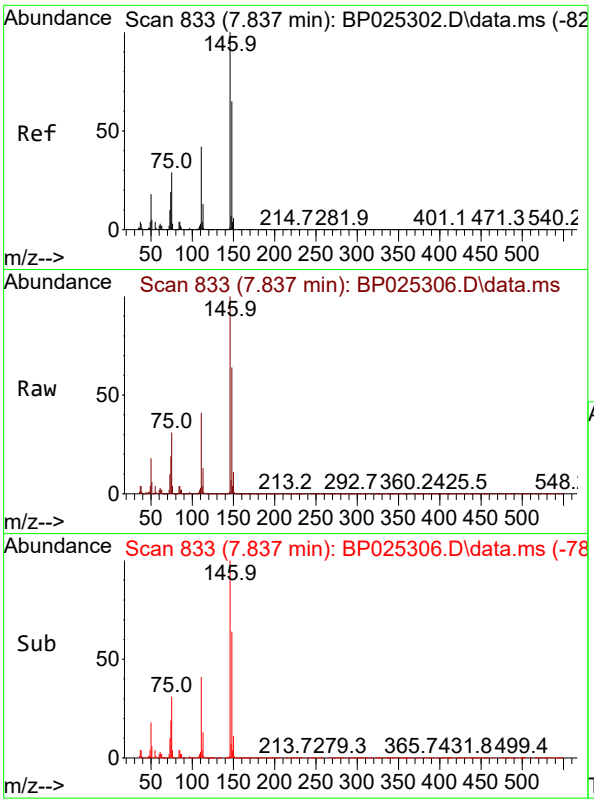


#12
1,3-Dichlorobenzene
Concen: 36.894 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 777323

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
75	28.9	23.2	34.8

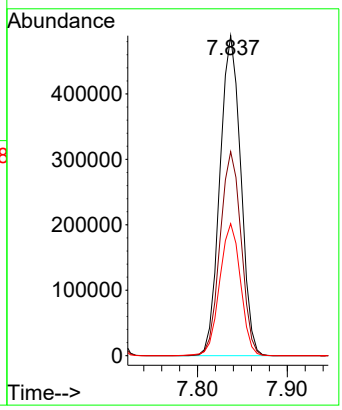




#13
1,4-Dichlorobenzene
Concen: 37.069 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 79016

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	41.2	33.2	49.8



Instrument :
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ClientSampleId :
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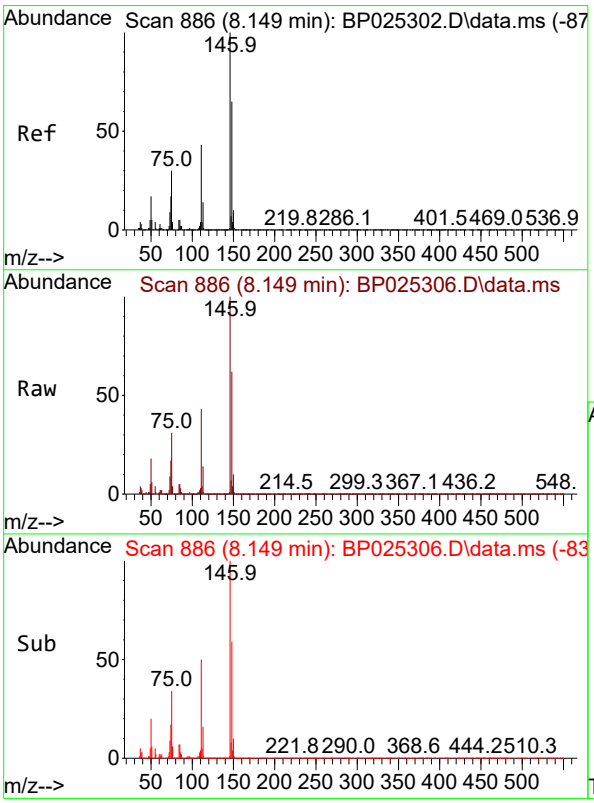
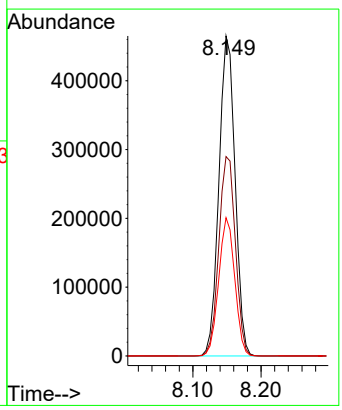
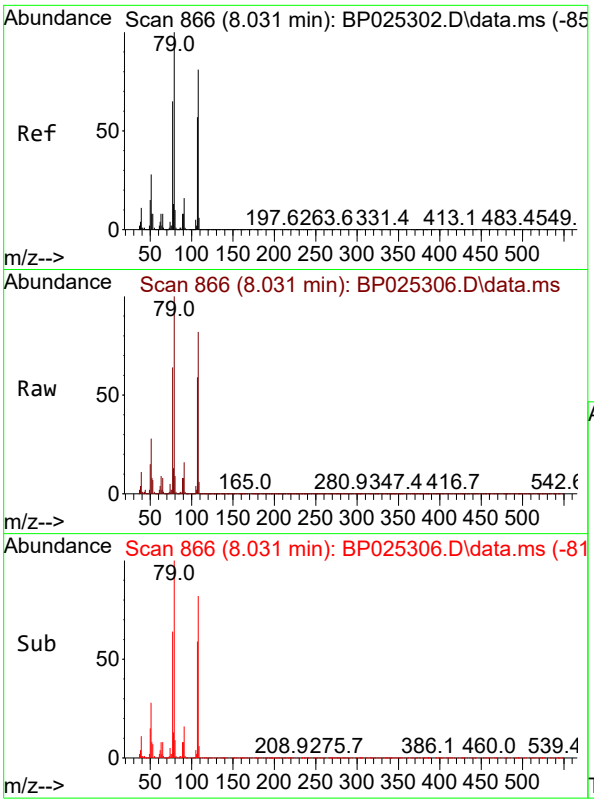


#14
1,2-Dichlorobenzene
Concen: 37.139 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 766897

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.9	77.9
111	43.2	34.4	51.6

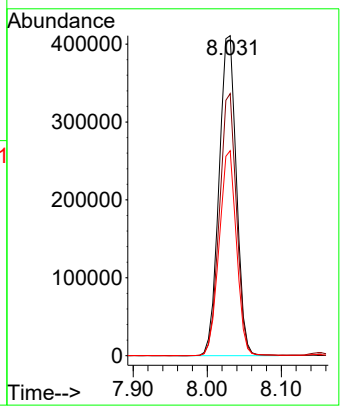




#15
Benzyl Alcohol
Concen: 38.230 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 79 Resp: 66809

Ion	Ratio	Lower	Upper
79	100		
108	81.9	64.5	96.7
77	64.0	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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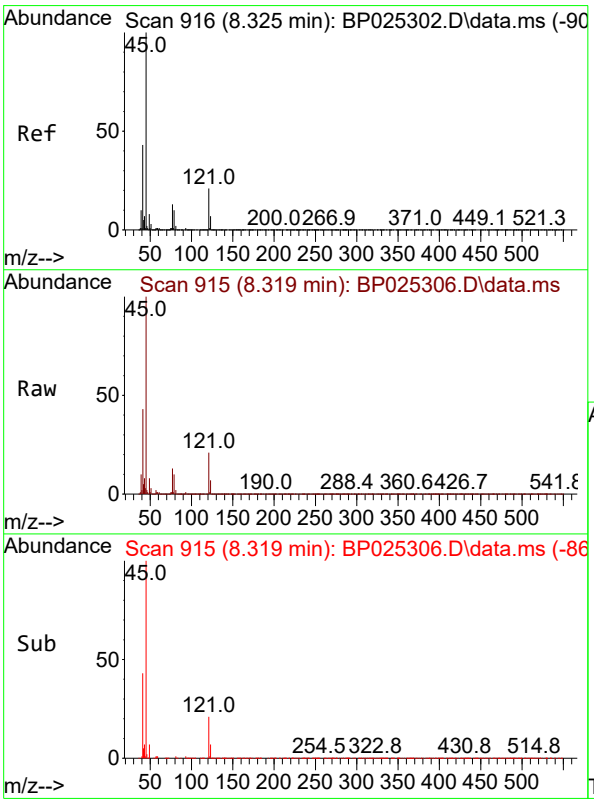
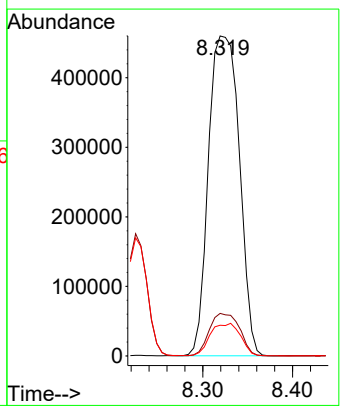
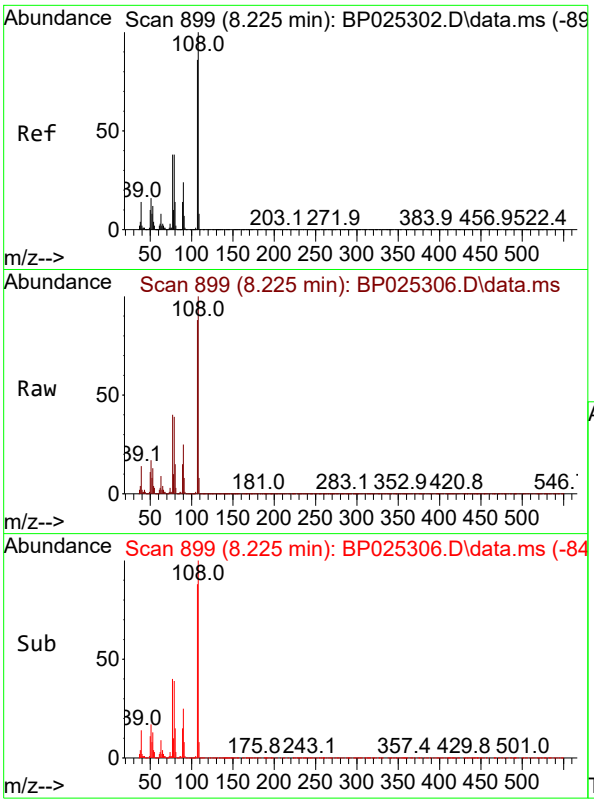


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.800 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 45 Resp: 1098738

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.0
79	9.6	0.0	29.8

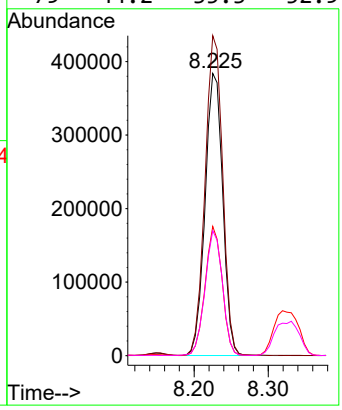




#17
2-Methylphenol
Concen: 39.242 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 63339

Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.6	139.0
77	45.8	35.4	53.2
79	44.2	35.3	52.9



Instrument :
BNA_P
ClientSampleId :
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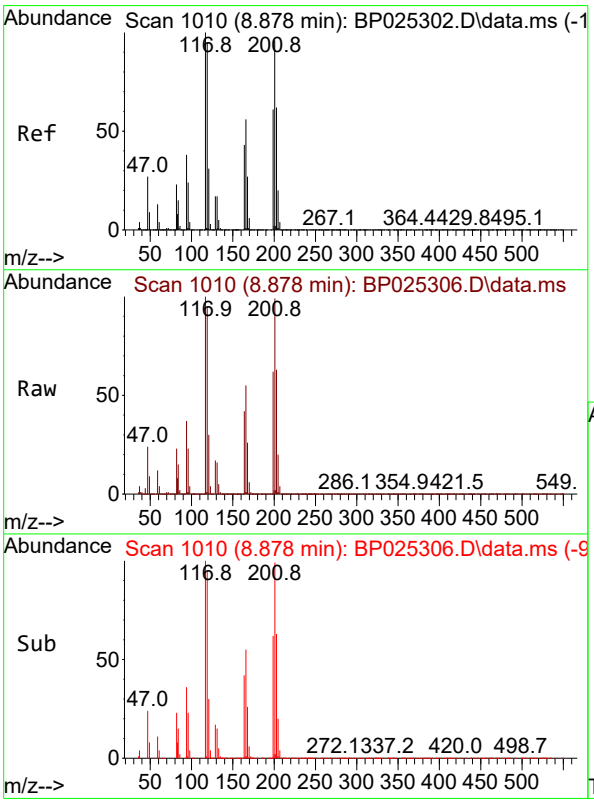
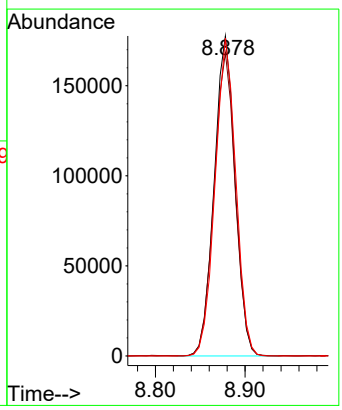
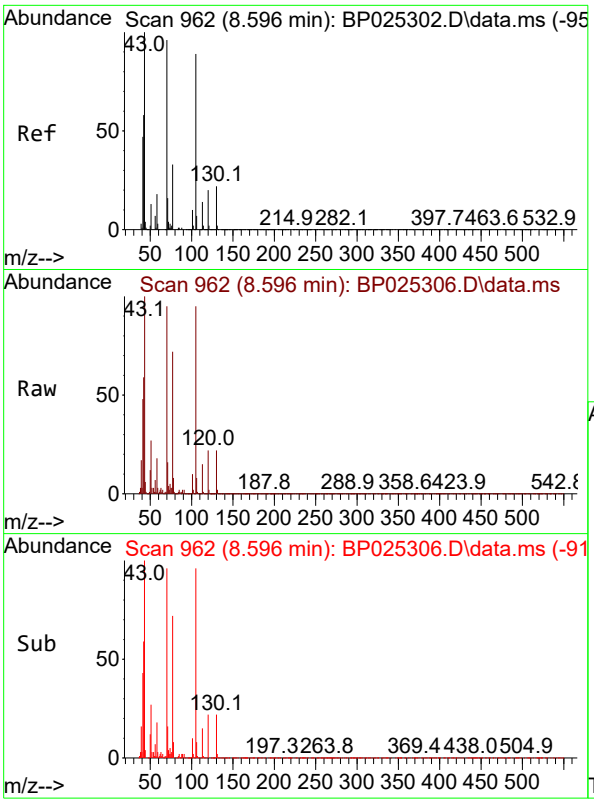


#18
Hexachloroethane
Concen: 37.712 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:117 Resp: 287484

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	99.3	76.6	114.8

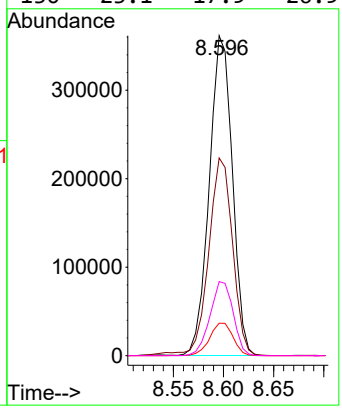




#19
n-Nitroso-di-n-propylamine
Concen: 39.071 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 70 Resp: 57873

Ion	Ratio	Lower	Upper
70	100		
42	61.8	49.4	74.0
101	10.1	7.9	11.9
130	23.1	17.9	26.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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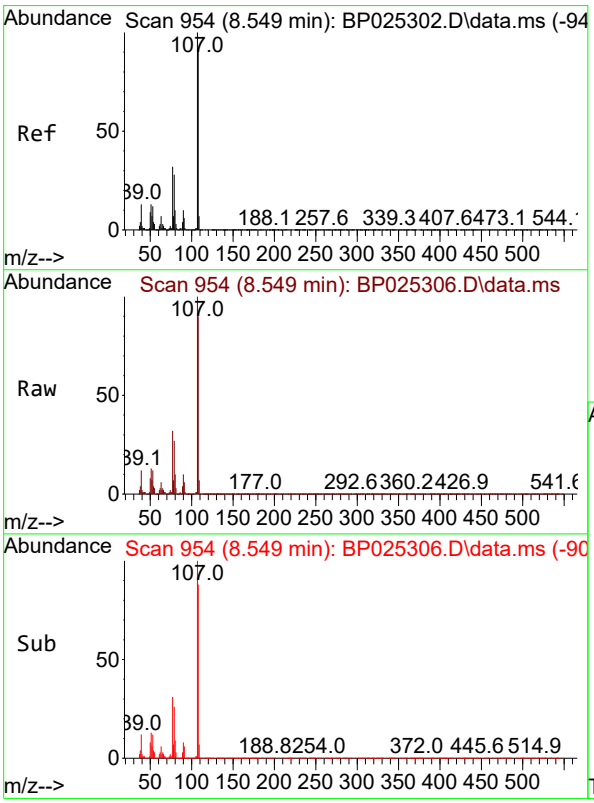
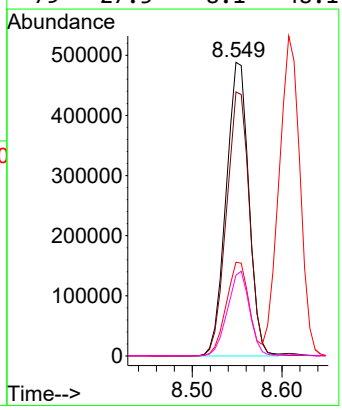
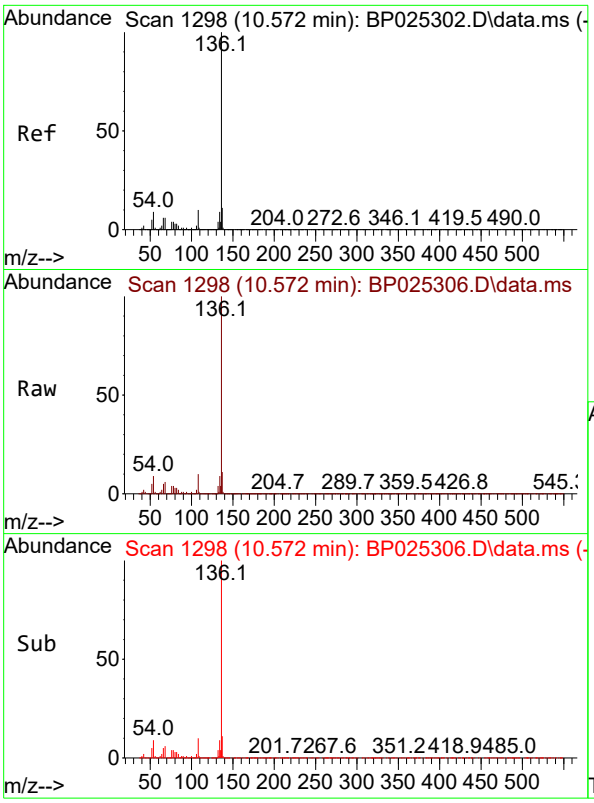


#20
3+4-Methylphenols
Concen: 38.632 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 858644

Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.9	111.9
77	31.9	12.0	52.0
79	27.5	8.1	48.1

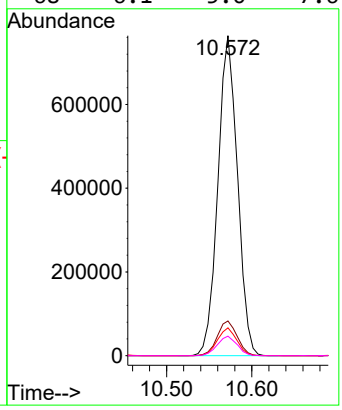




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:136 Resp: 122224

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.7	7.0	10.6
68	6.1	5.0	7.6



Instrument :
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ClientSampleId :
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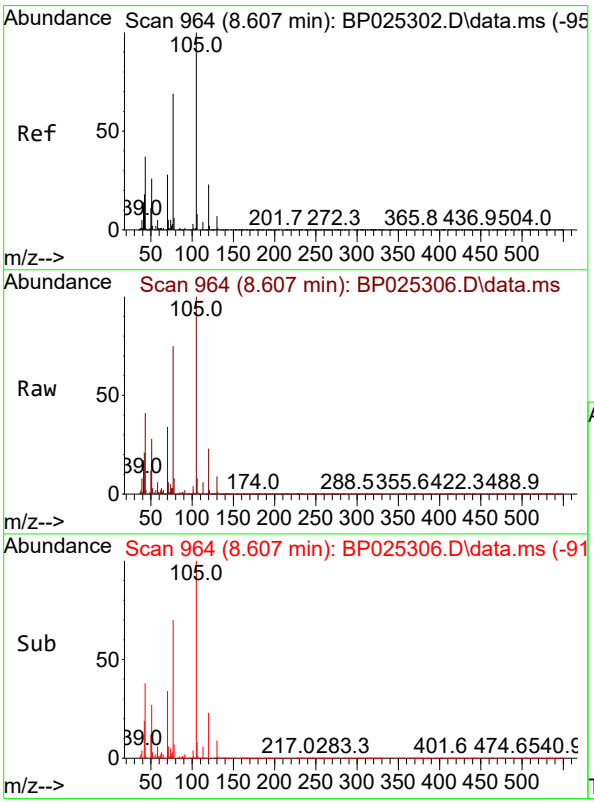
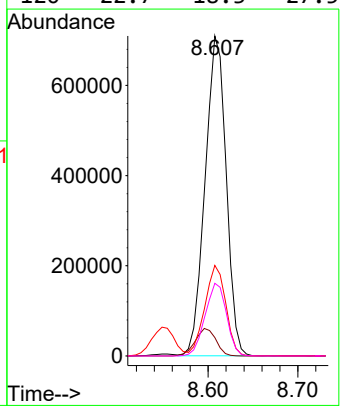
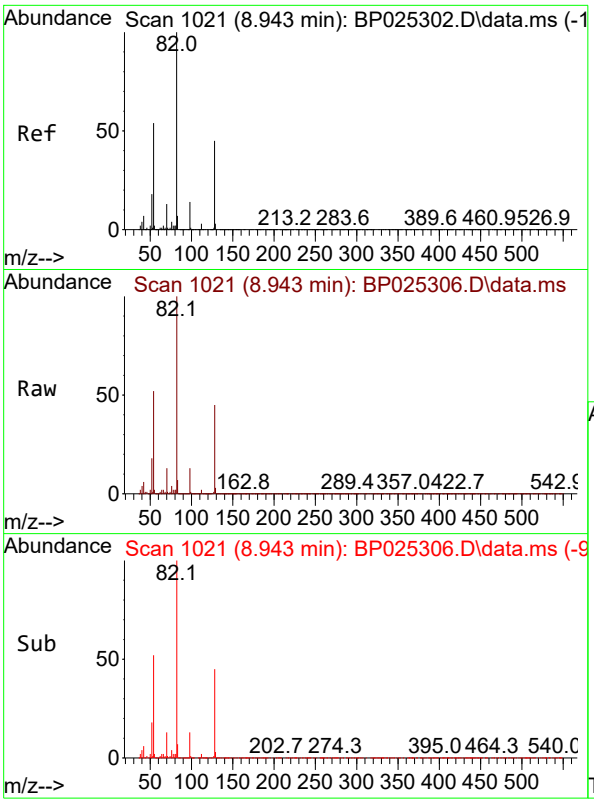


#22
Acetophenone
Concen: 37.755 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:105 Resp: 1158440

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.1	6.1
51	28.3	22.7	34.1
120	22.7	18.3	27.5

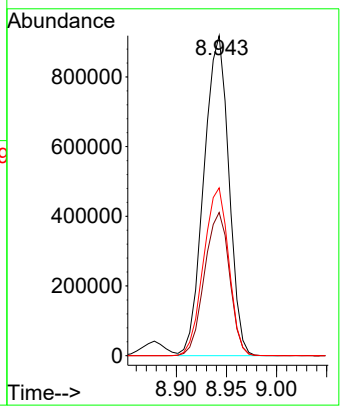




#23
Nitrobenzene-d5
Concen: 71.916 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 82 Resp: 158659

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.4	53.2
54	52.5	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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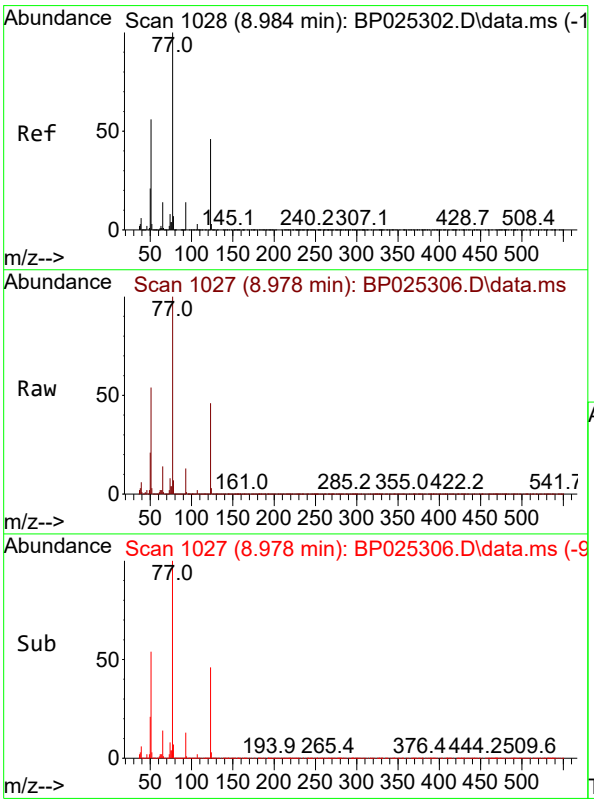
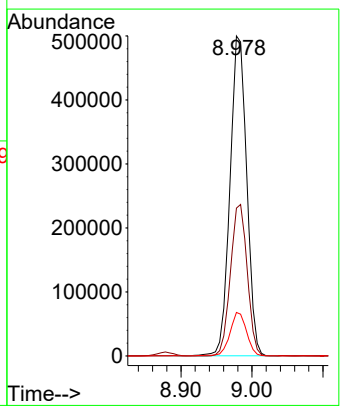
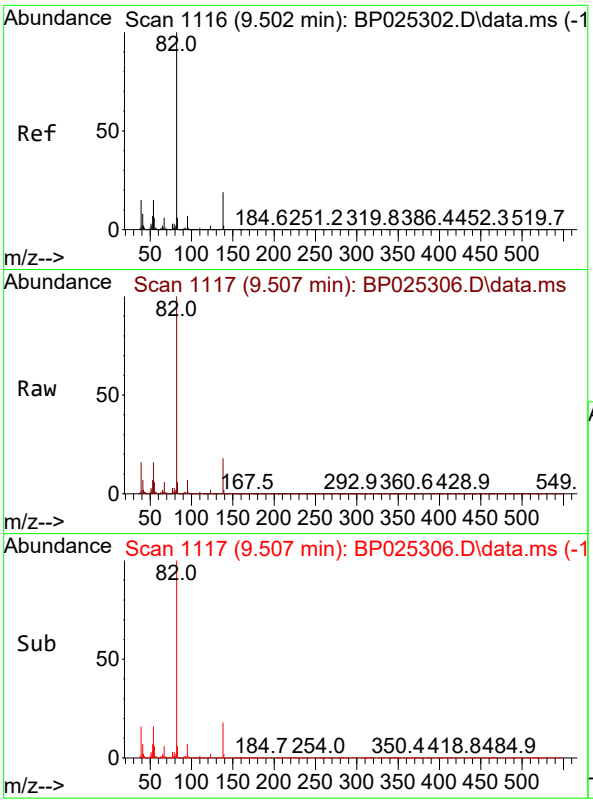


#24
Nitrobenzene
Concen: 39.201 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 818671

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.4	56.2
65	13.6	11.1	16.7





#25
Isophorone
Concen: 38.747 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 82 Resp: 170159

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.2	15.0	22.6

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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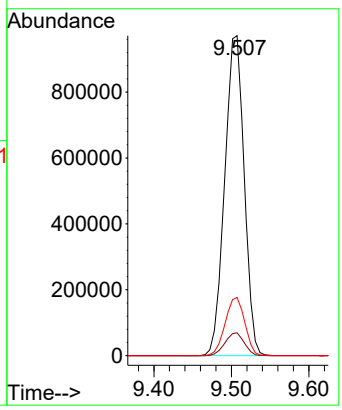
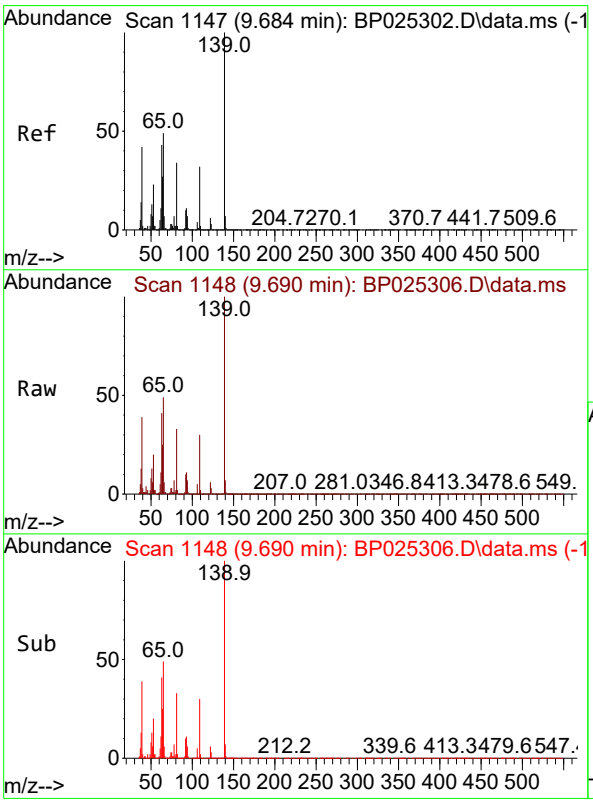
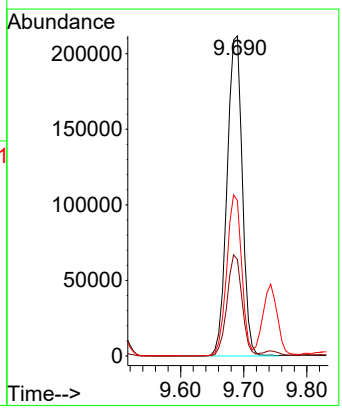


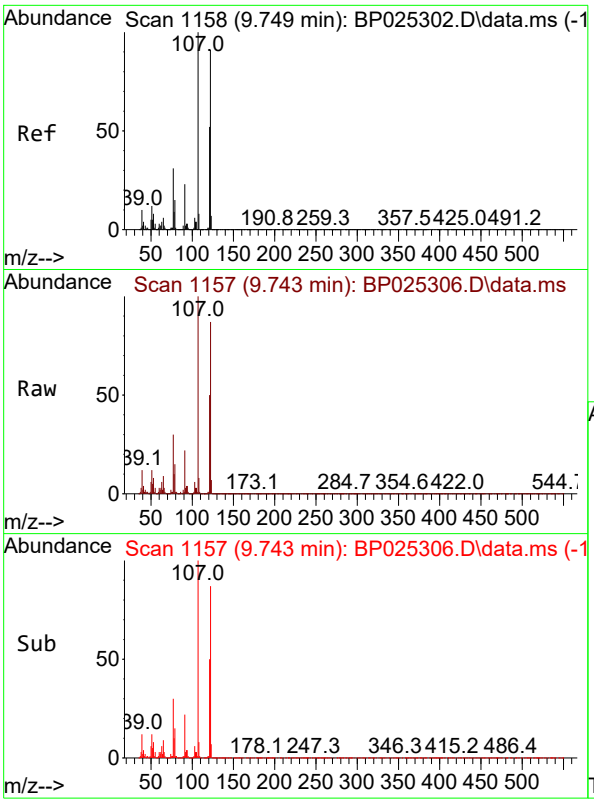


#26
2-Nitrophenol
Concen: 39.528 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 353273

Ion	Ratio	Lower	Upper
139	100		
109	30.1	25.2	37.8
65	48.6	39.6	59.4

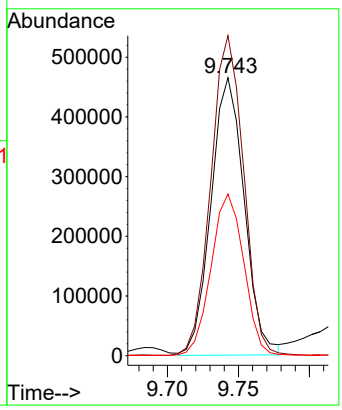




#27
2,4-Dimethylphenol
Concen: 37.381 ng
RT: 9.743 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:122 Resp: 75682

Ion	Ratio	Lower	Upper
122	100		
107	115.1	87.4	131.0
121	58.1	45.8	68.8



Instrument :
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ClientSampleId :
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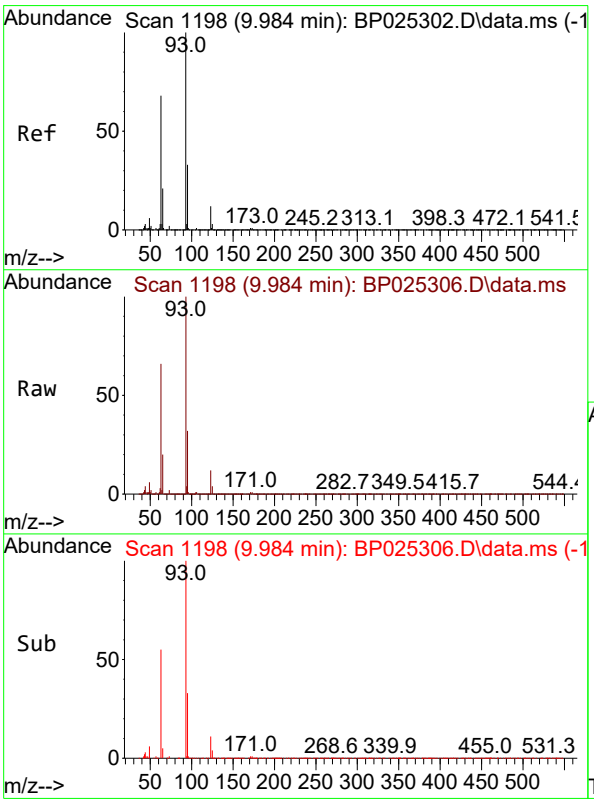
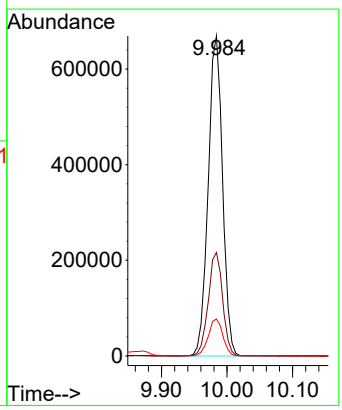
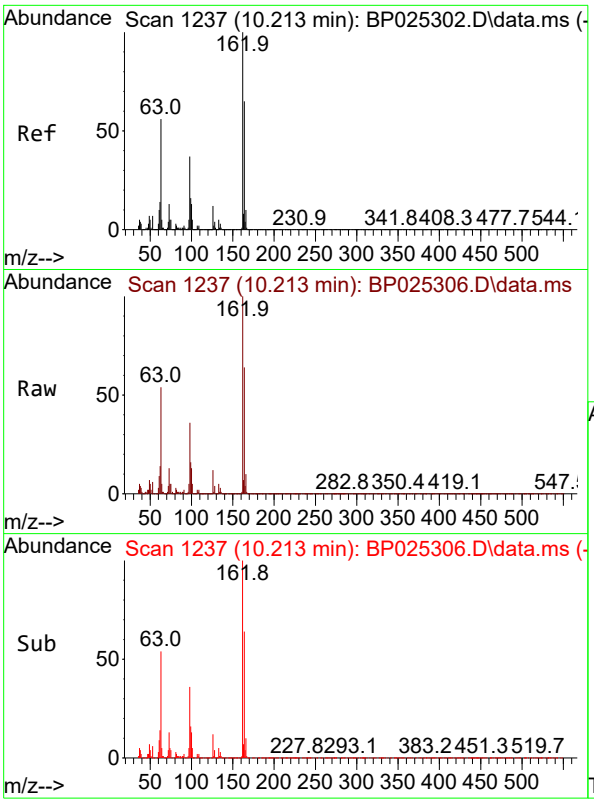


#28
bis(2-Chloroethoxy)methane
Concen: 38.088 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1017512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	11.6	9.4	14.2

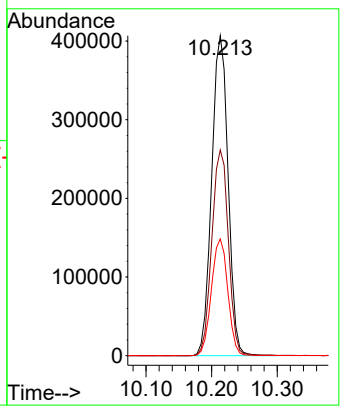




#29
2,4-Dichlorophenol
Concen: 39.853 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:162 Resp: 70641

Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.2	85.2
98	36.5	17.5	57.5



Instrument :
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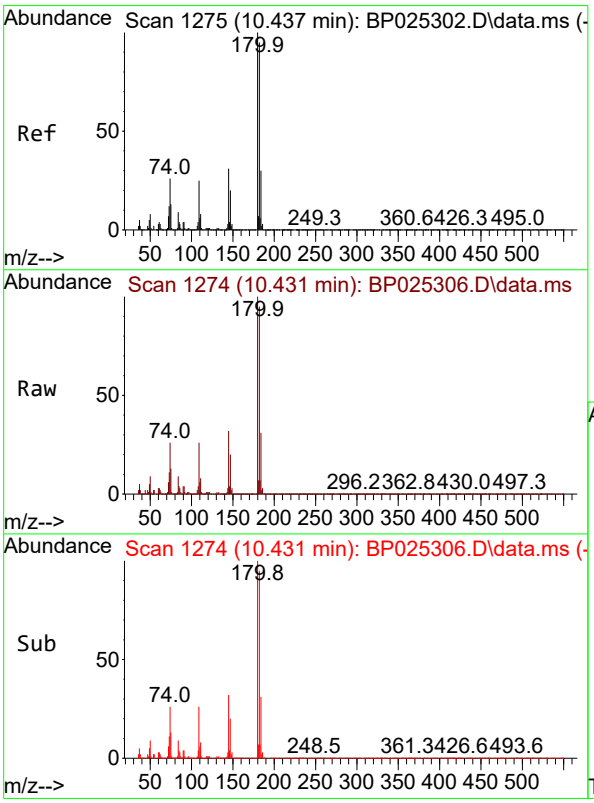
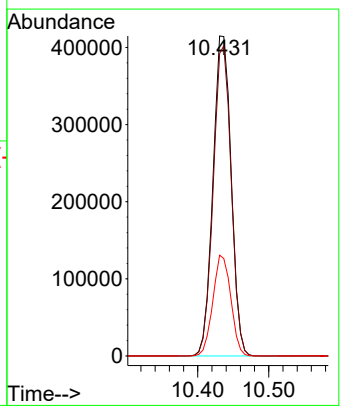
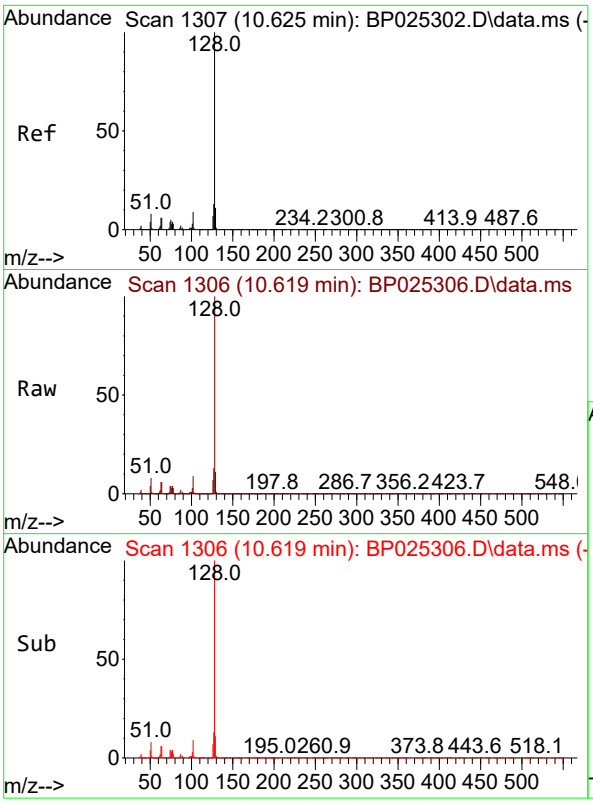


#30
1,2,4-Trichlorobenzene
Concen: 37.651 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:180 Resp: 736298

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	31.5	25.0	37.4

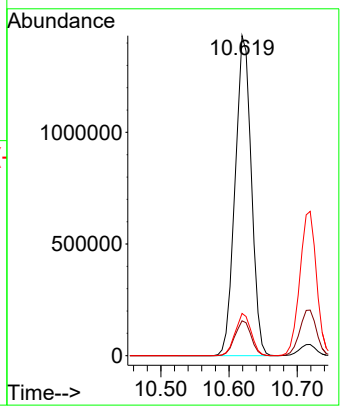




#31
Naphthalene
Concen: 37.348 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:128 Resp: 236970

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.2	10.4	15.6



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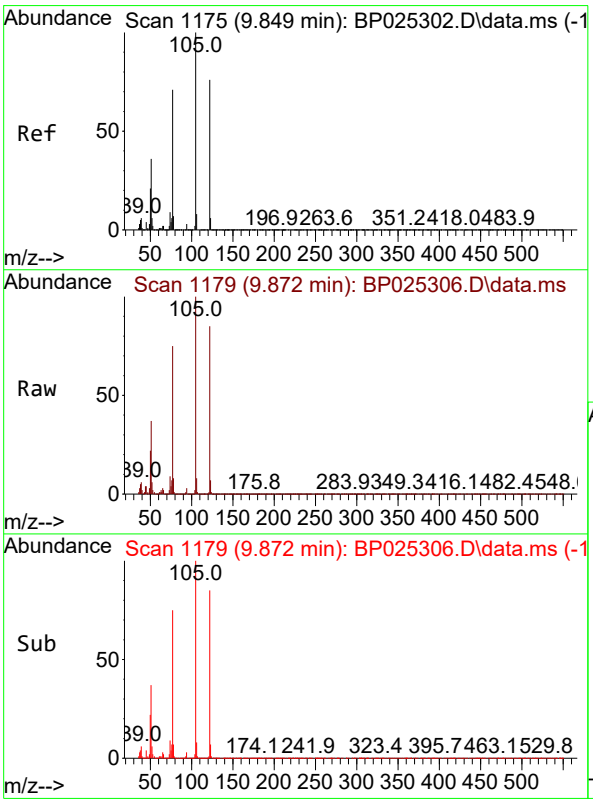
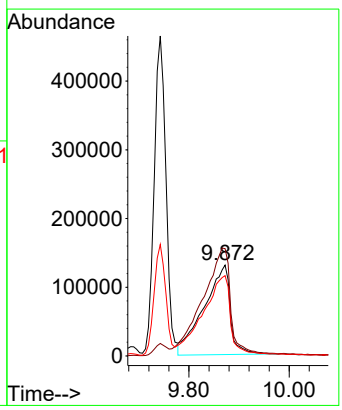
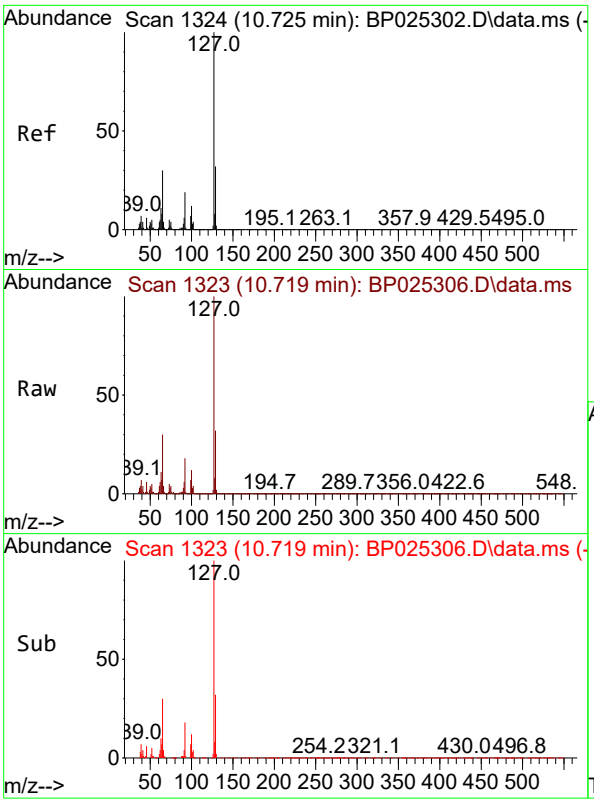


#32
Benzoic acid
Concen: 43.119 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:122 Resp: 476318

Ion	Ratio	Lower	Upper
122	100		
105	118.2	104.0	144.0
77	88.4	71.8	111.8

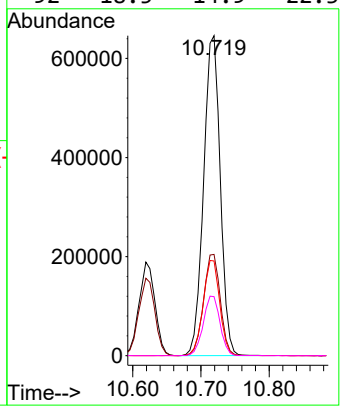




#33
4-Chloroaniline
Concen: 38.908 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:127 Resp: 109795

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.6
65	29.6	23.6	35.4
92	18.5	14.9	22.3



Instrument :
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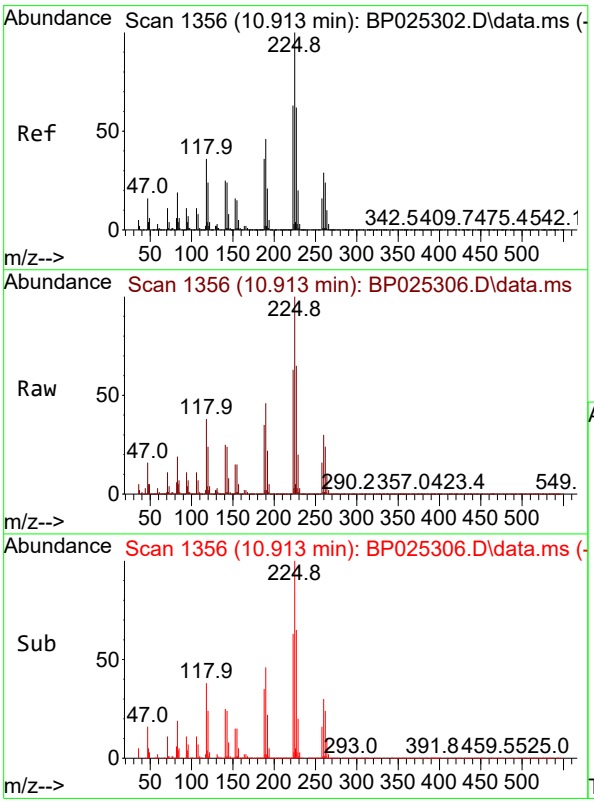
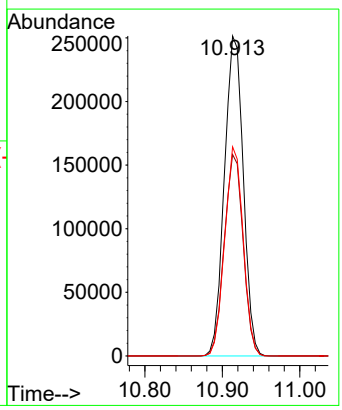
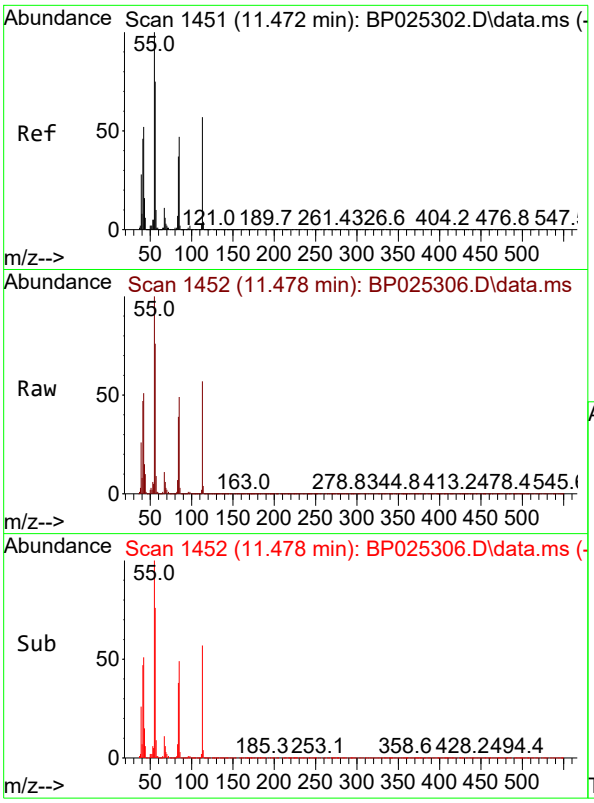


#34
Hexachlorobutadiene
Concen: 37.983 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:225 Resp: 426384

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	65.3	49.7	74.5

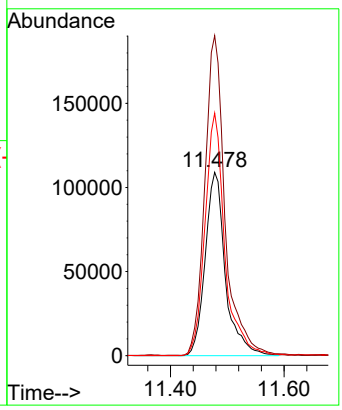




#35
Caprolactam
Concen: 39.093 ng
RT: 11.478 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:113 Resp: 26881

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	132.2	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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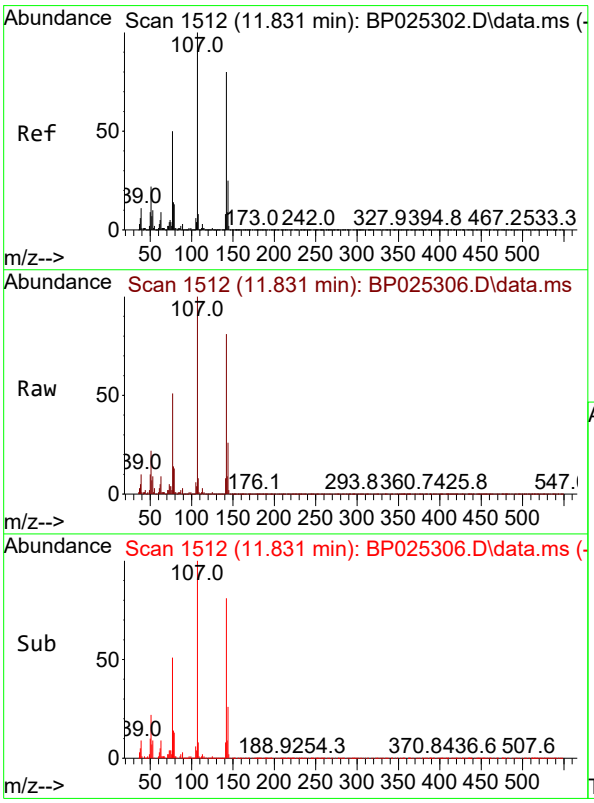
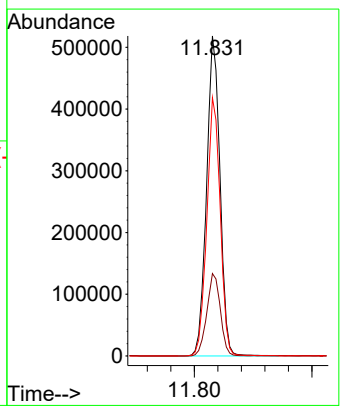
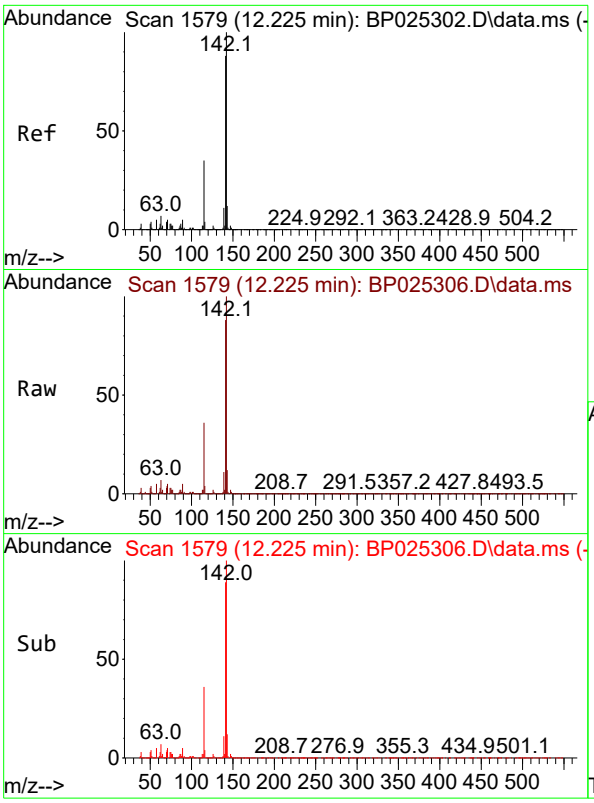


#36
4-Chloro-3-methylphenol
Concen: 39.847 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 817278

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	80.7	63.7	95.5

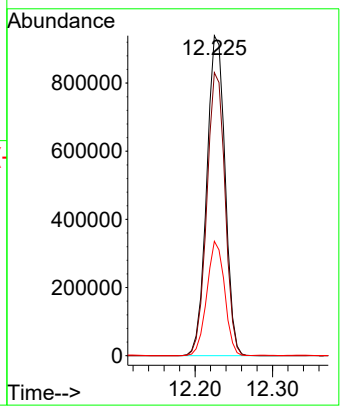




#37
2-Methylnaphthalene
Concen: 37.660 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 154662

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.4	105.6
115	35.7	28.0	42.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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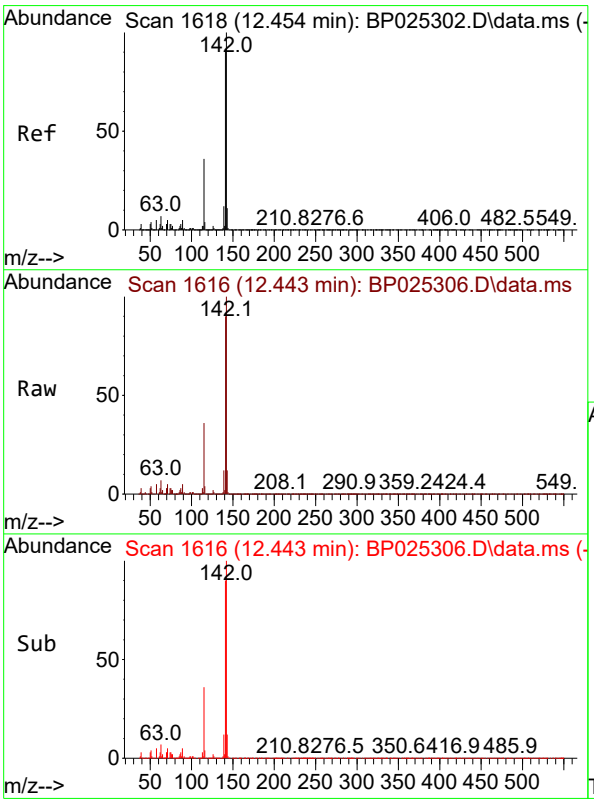
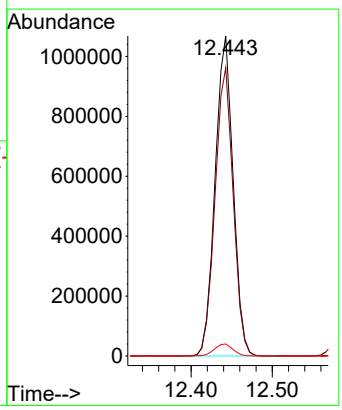
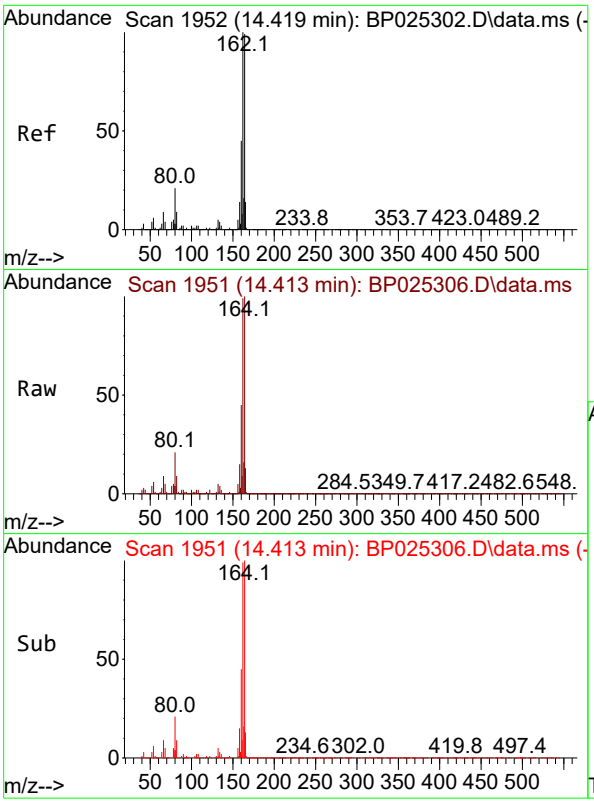


#38
1-Methylnaphthalene
Concen: 38.438 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 1647105

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	3.8	3.0	4.6

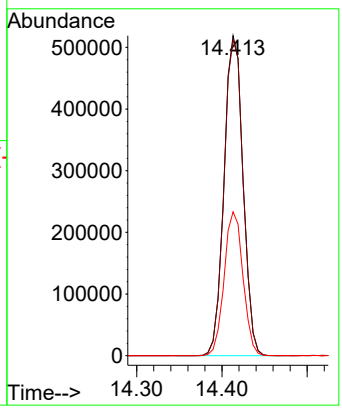




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:164 Resp: 80299

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	120.8
160	45.0	35.9	53.9



Instrument :
BNA_P
ClientSampleId :
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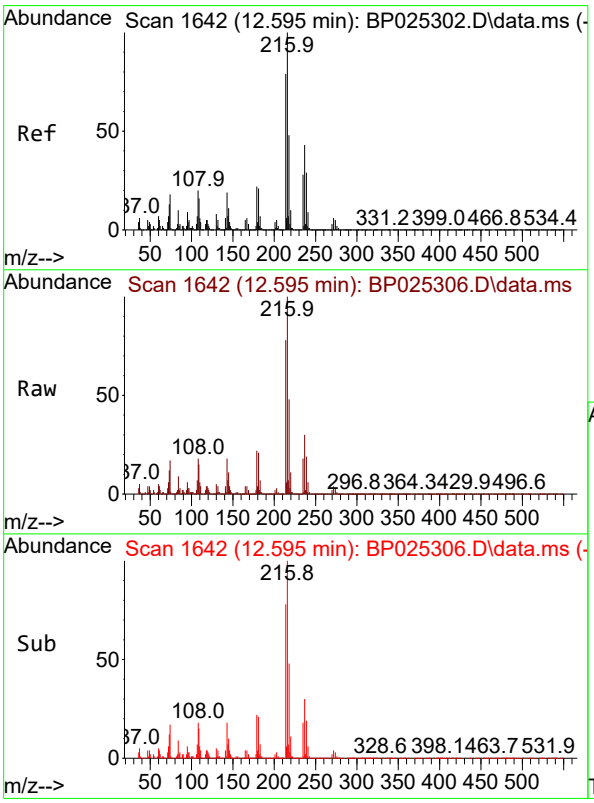
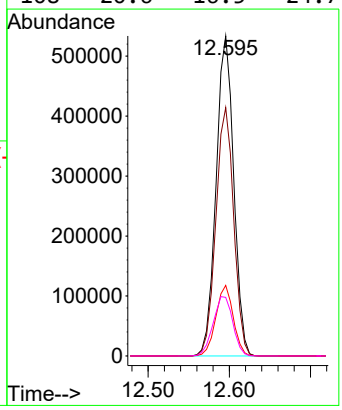
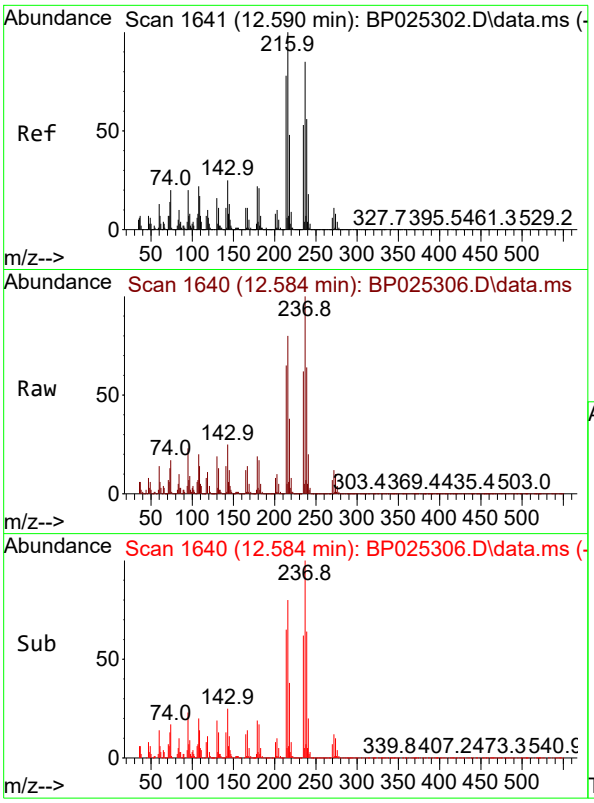


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.772 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:216 Resp: 806158

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.4	93.6
179	21.8	17.5	26.3
108	20.6	16.5	24.7

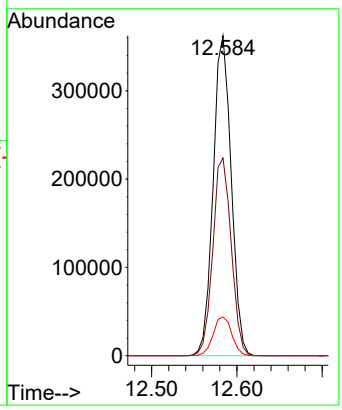




#41
Hexachlorocyclopentadiene
Concen: 39.389 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:237 Resp: 53296

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.2	82.2
272	12.1	0.0	32.8



Instrument :
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ClientSampleId :
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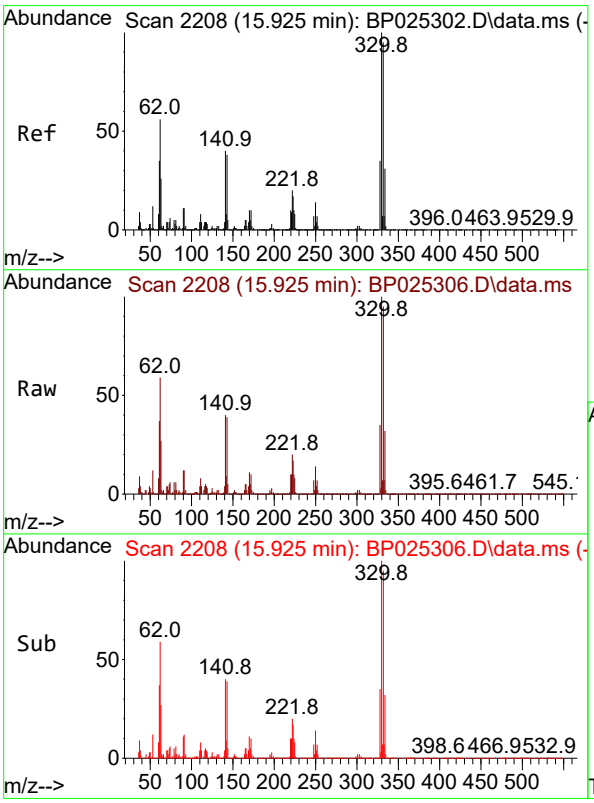
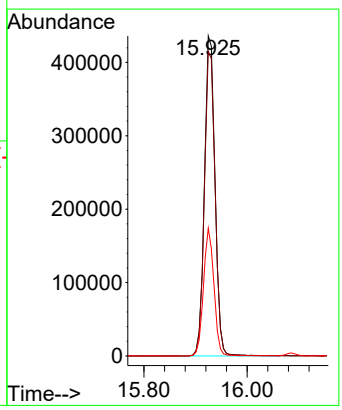
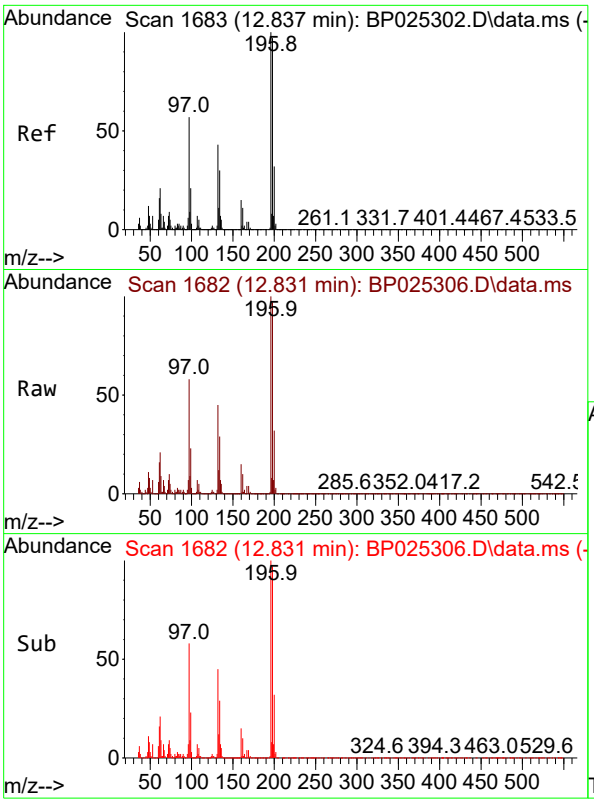


#42
2,4,6-Tribromophenol
Concen: 77.267 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:330 Resp: 618969

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.5	31.7	47.5

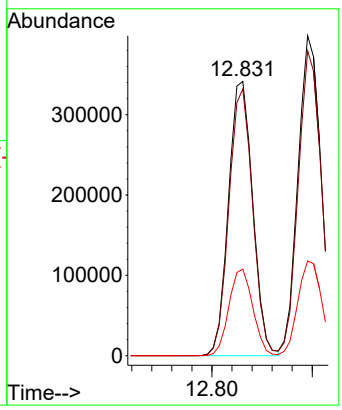




#43
2,4,6-Trichlorophenol
Concen: 40.551 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:196 Resp: 57428

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.3	115.9
200	31.6	25.4	38.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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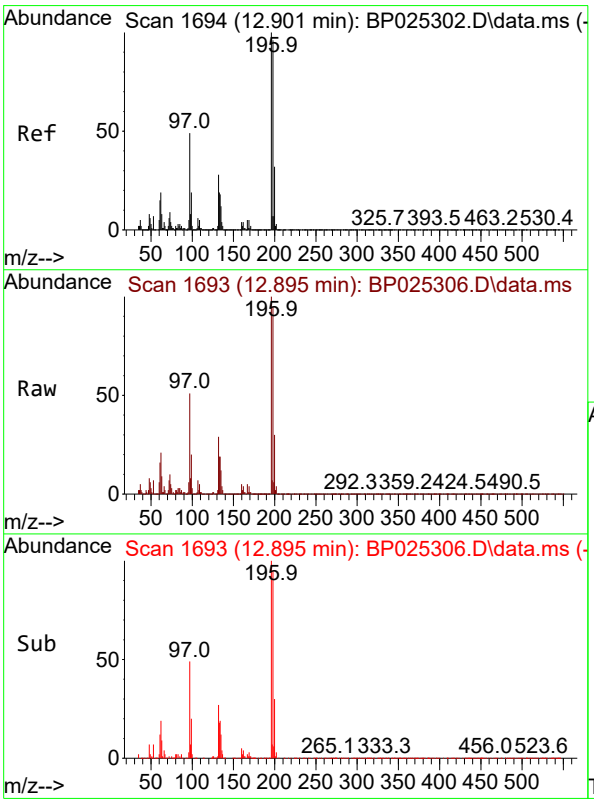
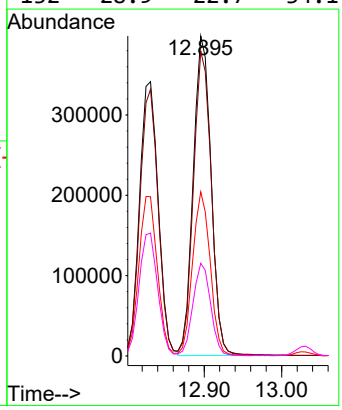
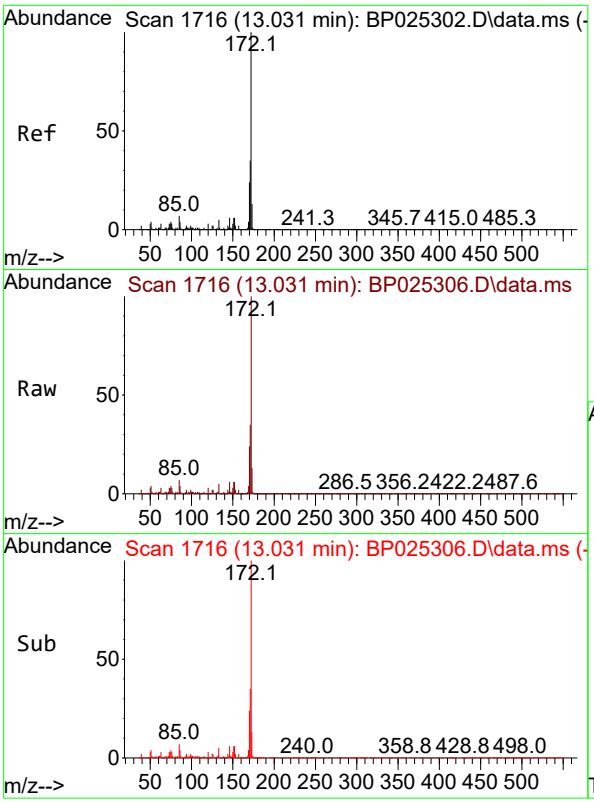


#44
2,4,5-Trichlorophenol
Concen: 40.117 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:196 Resp: 637340

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
97	51.3	39.5	59.3
132	28.9	22.7	34.1

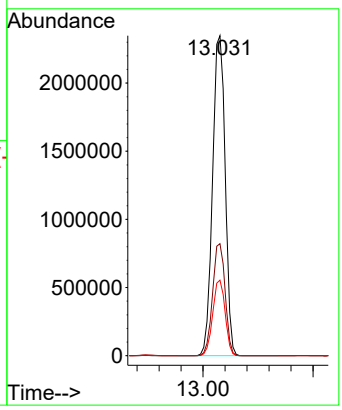




#45
2-Fluorobiphenyl
Concen: 64.394 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:172 Resp: 374367

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.6	18.9	28.3



Instrument :
BNA_P
ClientSampleId :
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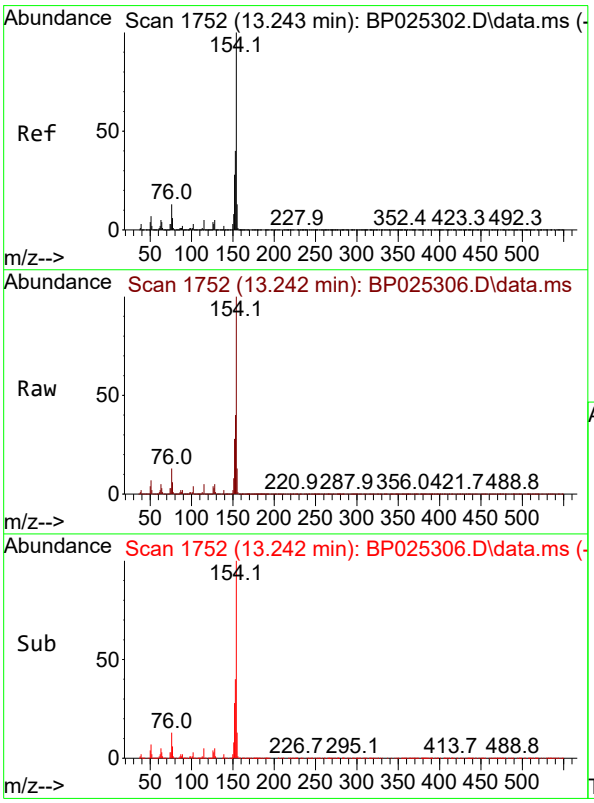
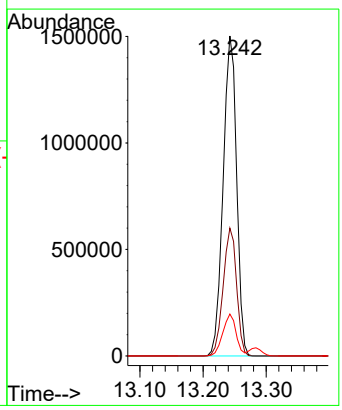
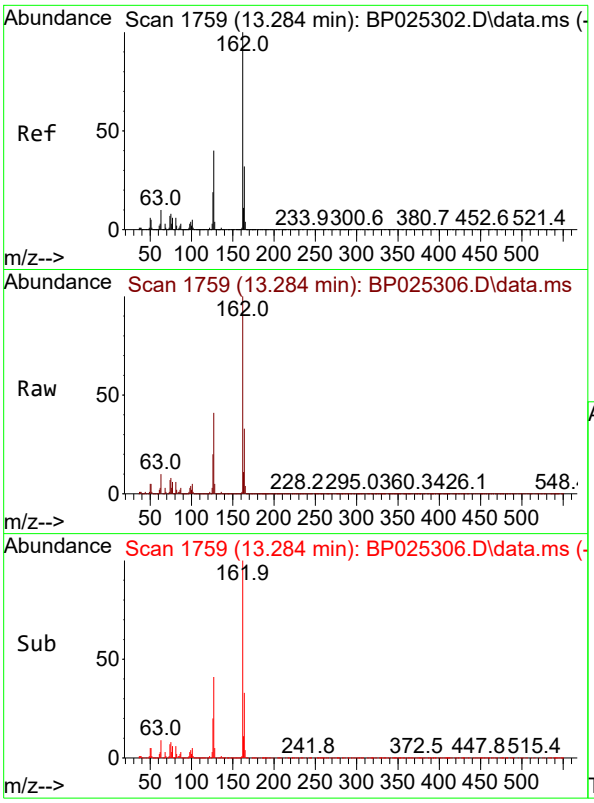


#46
1,1'-Biphenyl
Concen: 37.601 ng
RT: 13.242 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 2225078

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.1	0.0	33.2

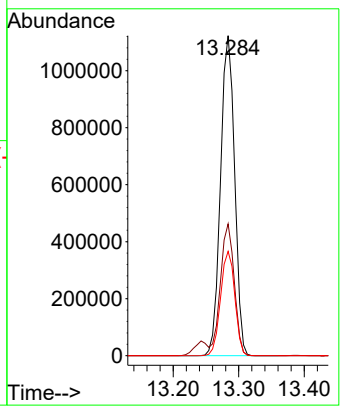




#47
2-Chloronaphthalene
Concen: 36.992 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:162 Resp: 167007

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	32.6	25.9	38.9



Instrument :
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ClientSampleId :
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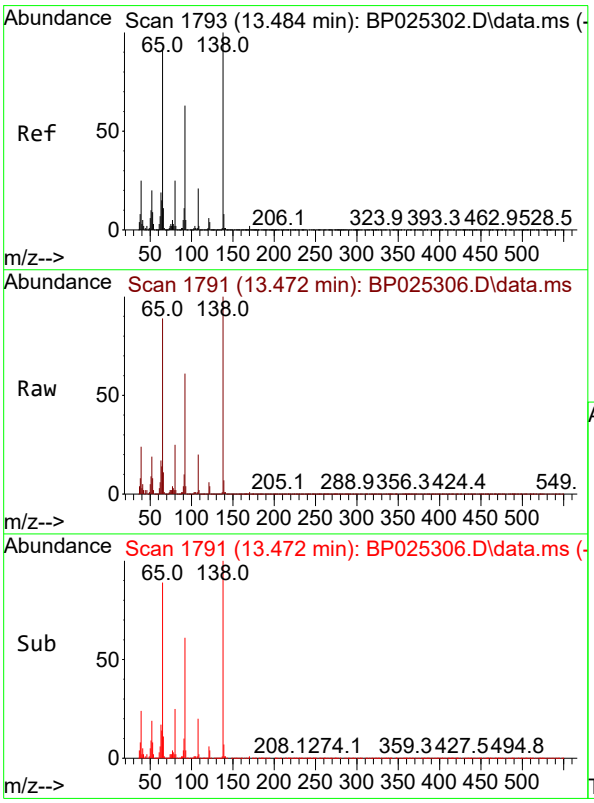
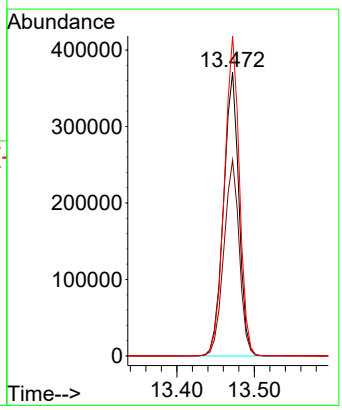
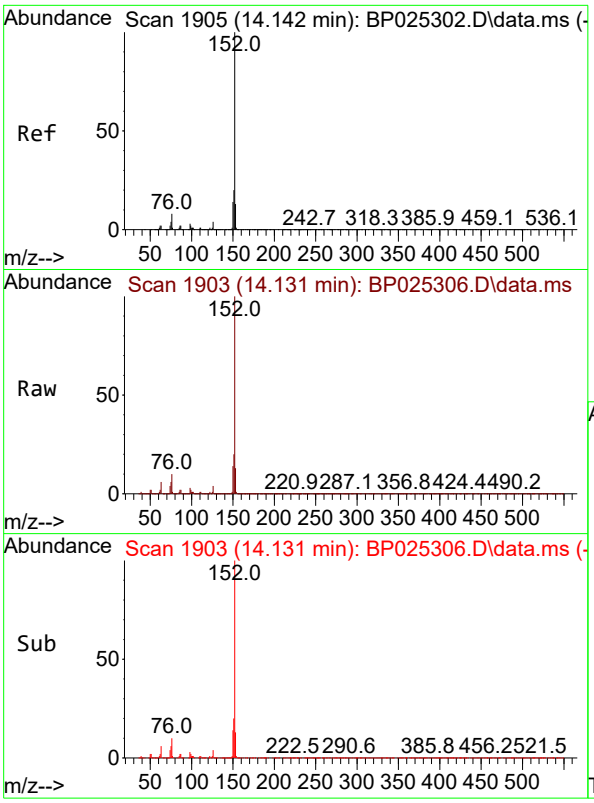


#48
2-Nitroaniline
Concen: 39.111 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 65 Resp: 509511

Ion	Ratio	Lower	Upper
65	100		
92	69.0	54.4	81.6
138	112.8	87.0	130.4

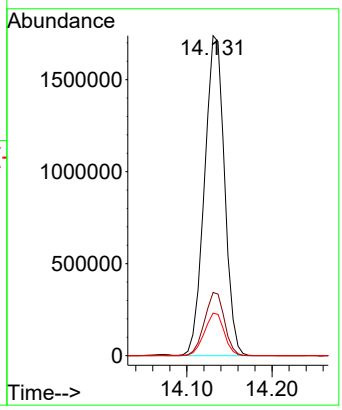




#49
Acenaphthylene
Concen: 37.711 ng
RT: 14.131 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:152 Resp: 283989

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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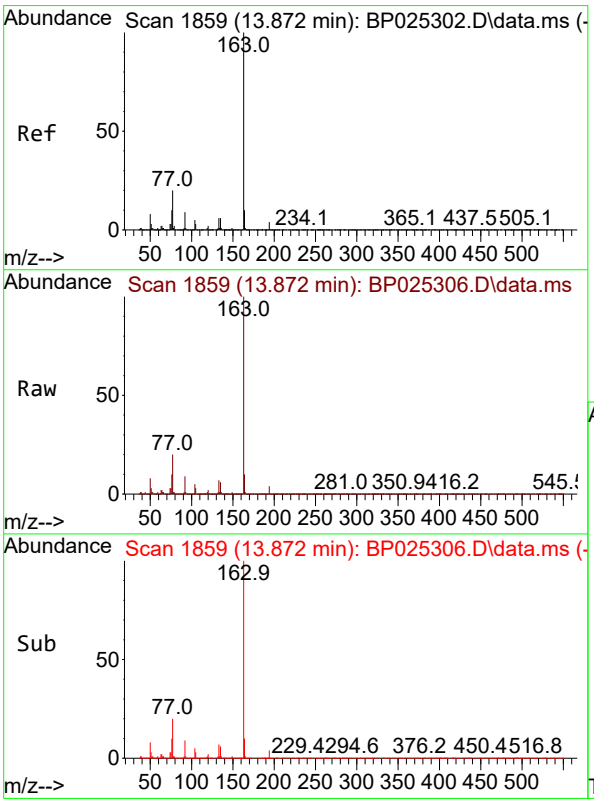
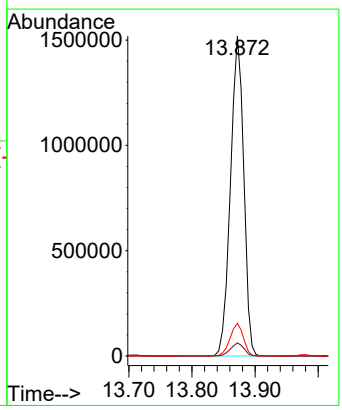
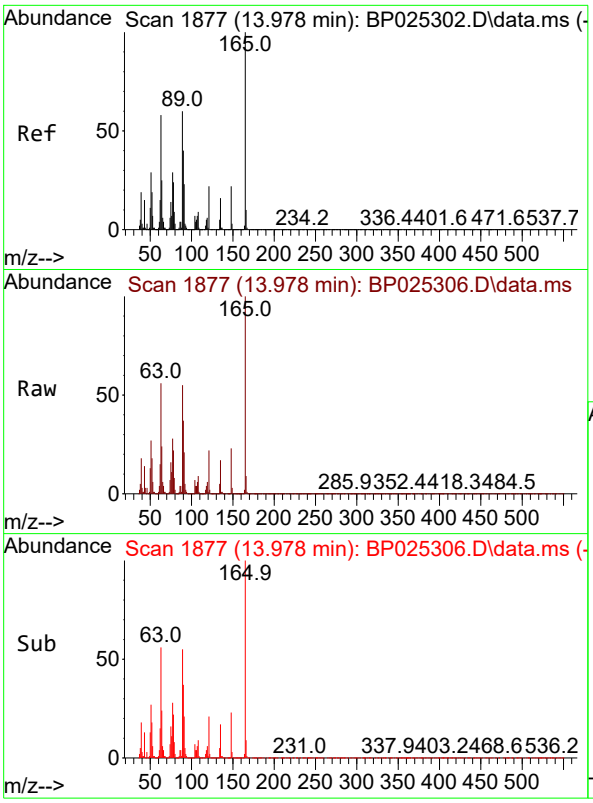


#50
Dimethylphthalate
Concen: 37.765 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:163 Resp: 2210689

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.0	12.0

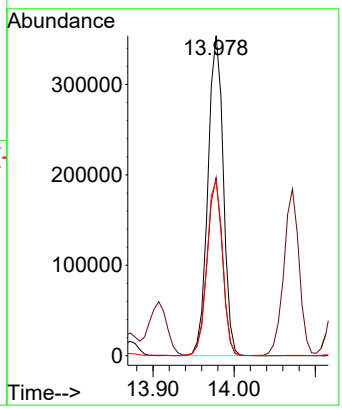




#51
2,6-Dinitrotoluene
Concen: 42.979 ng
RT: 13.978 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:165 Resp: 46406

Ion	Ratio	Lower	Upper
165	100		
63	55.6	47.6	71.4
89	54.8	47.8	71.8



Instrument :
BNA_P
ClientSampleId :
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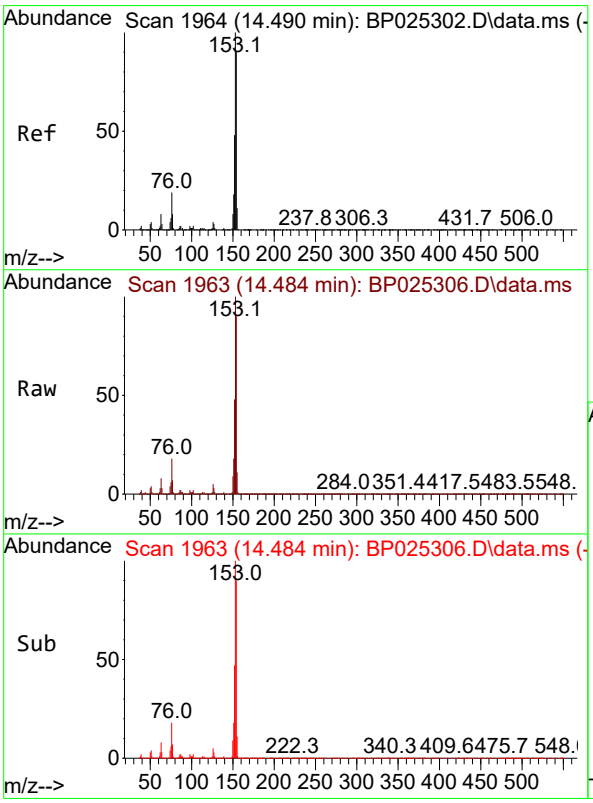
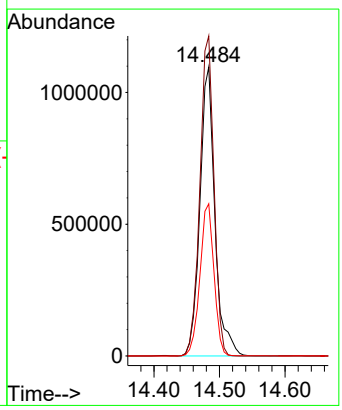
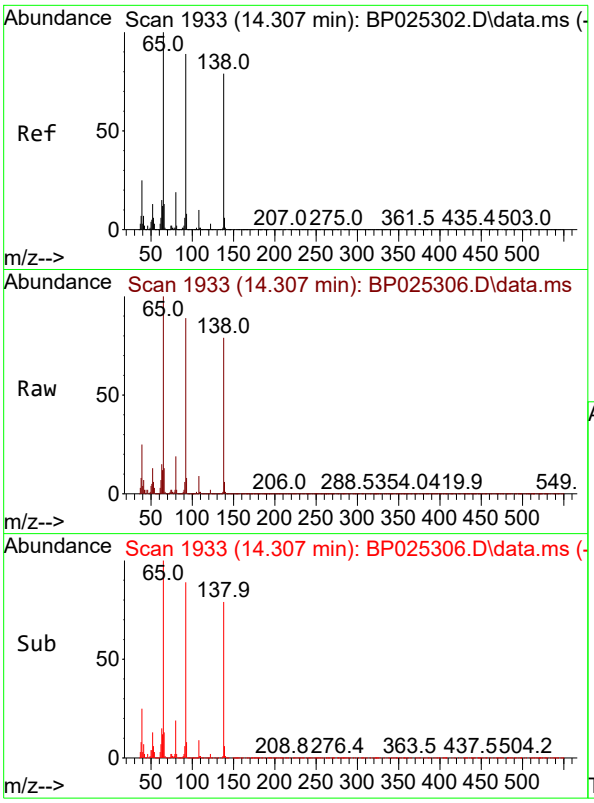


#52
Acenaphthene
Concen: 37.908 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 1741305

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.4	134.0
152	52.6	43.0	64.6





#53
3-Nitroaniline
Concen: 42.925 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:138 Resp: 54233

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.5	15.7
92	113.5	90.9	136.3

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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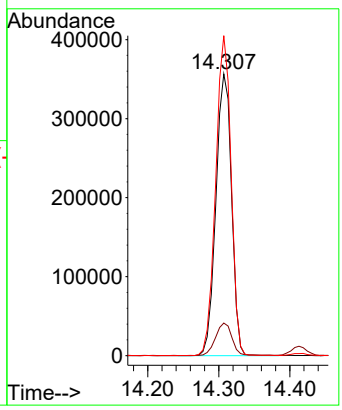
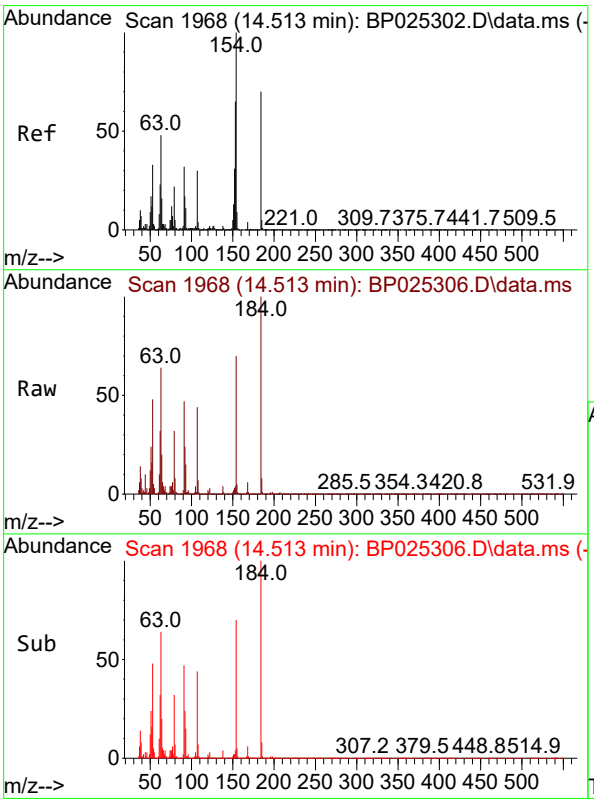
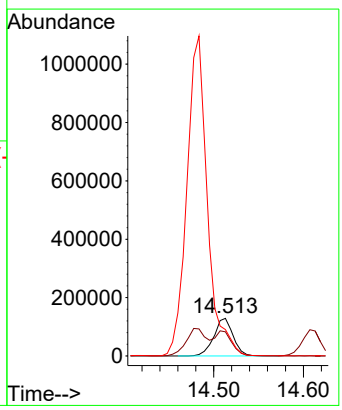


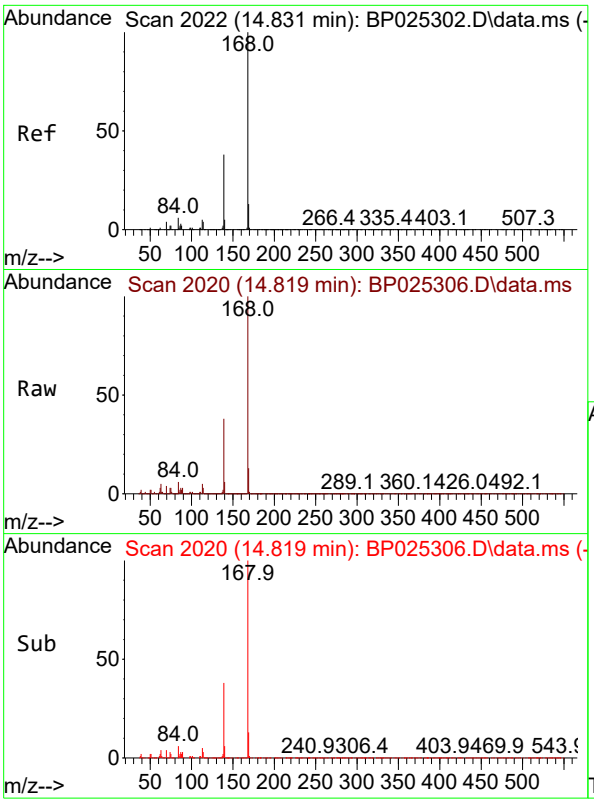


#54
2,4-Dinitrophenol
Concen: 44.579 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:184 Resp: 192889

Ion	Ratio	Lower	Upper
184	100		
63	64.3	56.3	84.5
154	70.3	124.5	186.7#

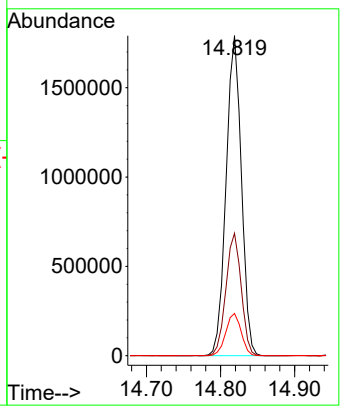




#55
Dibenzofuran
Concen: 37.357 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:168 Resp: 256438

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.5	45.7
169	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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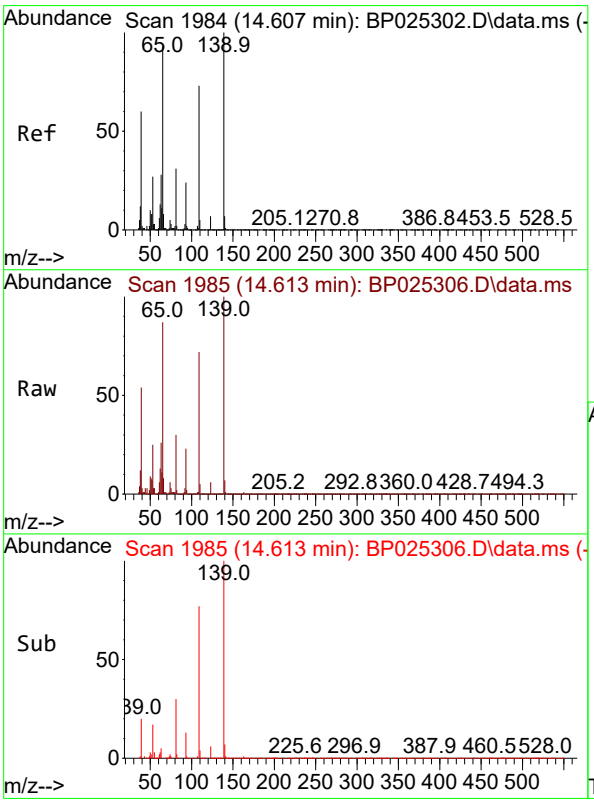
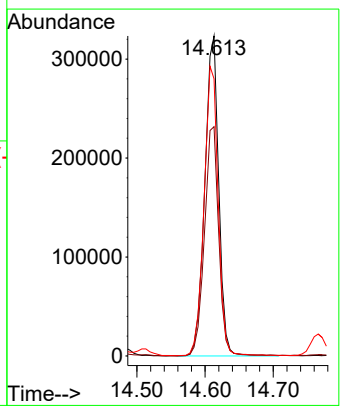
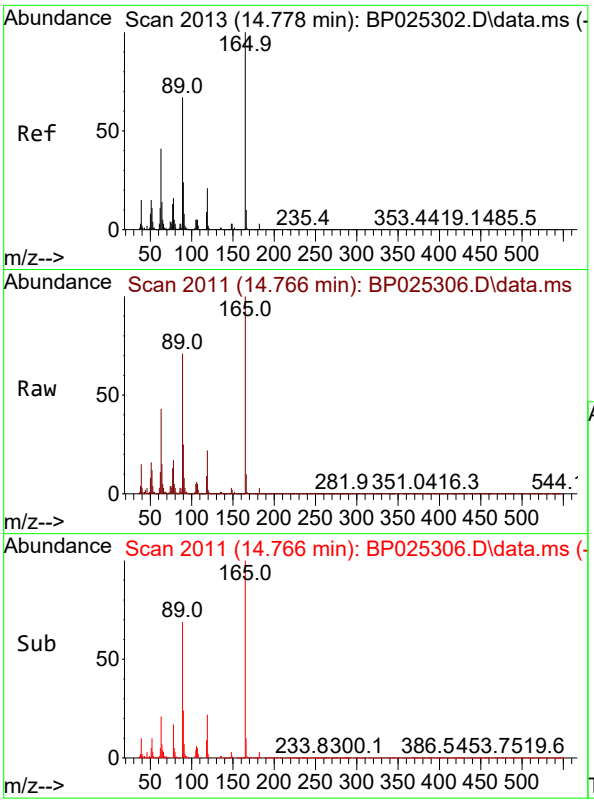


#56
4-Nitrophenol
Concen: 41.198 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 459387

Ion	Ratio	Lower	Upper
139	100		
109	71.6	52.7	92.7
65	86.6	73.4	113.4

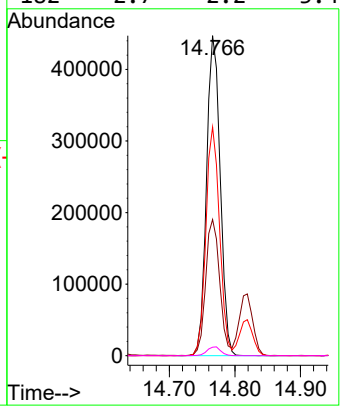




#57
2,4-Dinitrotoluene
Concen: 39.363 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:165 Resp: 64833

Ion	Ratio	Lower	Upper
165	100		
63	42.6	33.2	49.8
89	71.5	53.5	80.3
182	2.7	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
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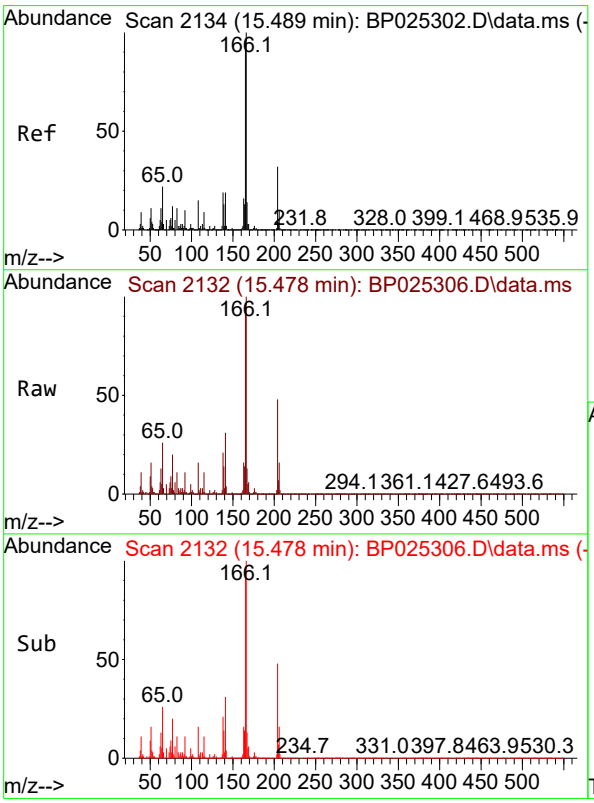
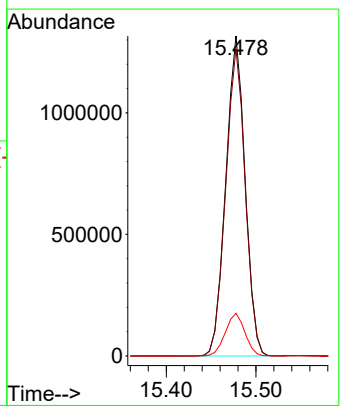
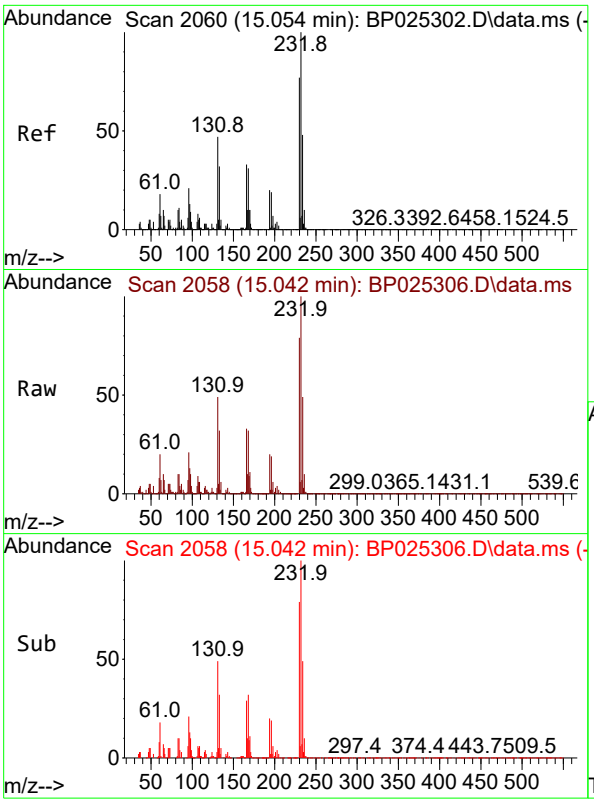


#58
Fluorene
Concen: 36.584 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:166 Resp: 1972403

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.7	115.1
167	13.4	10.9	16.3

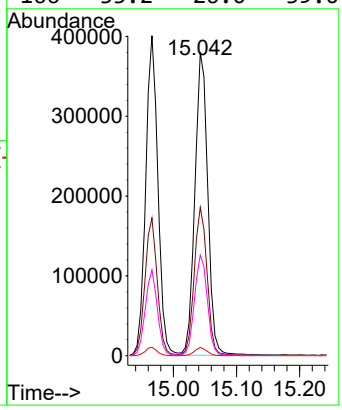




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.516 ng
RT: 15.042 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:232 Resp: 53767

Ion	Ratio	Lower	Upper
232	100		
131	48.5	39.3	58.9
130	2.6	2.2	3.2
166	33.2	26.0	39.0



Instrument :
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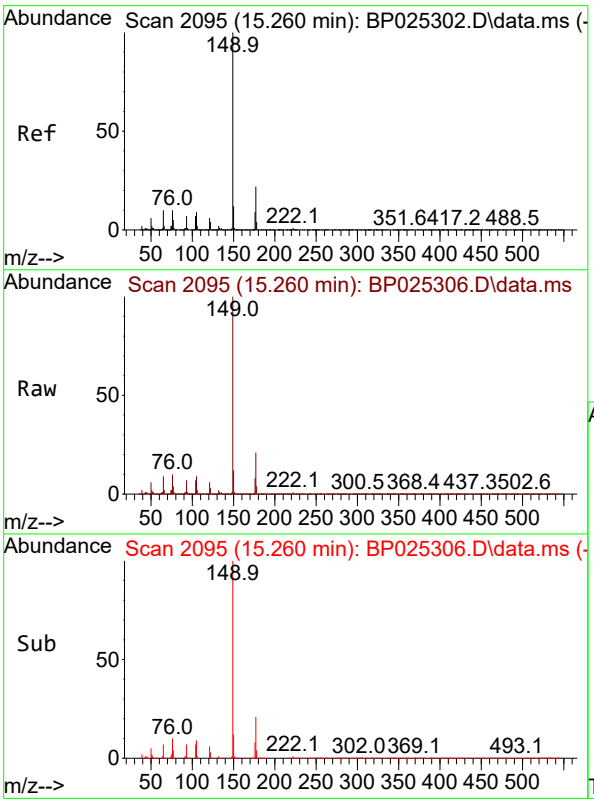
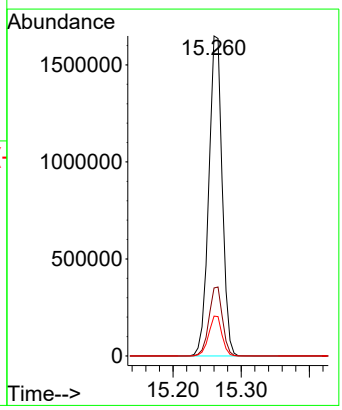
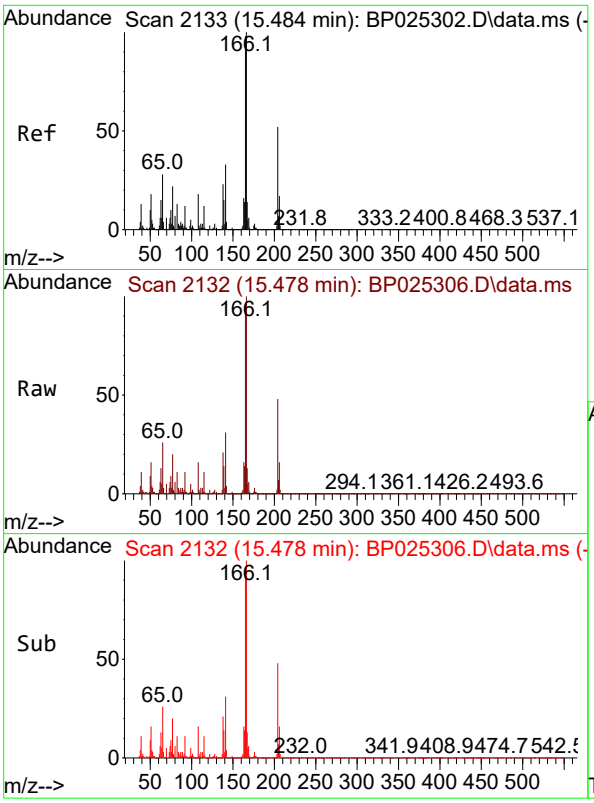


#60
Diethylphthalate
Concen: 38.127 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2250136

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.4	9.8	14.8

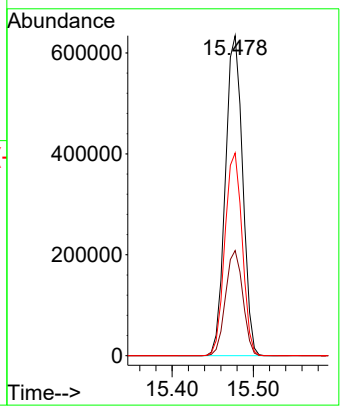




#61
4-Chlorophenyl-phenylether
Concen: 36.635 ng
RT: 15.478 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:204 Resp: 93637

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.0	40.4
141	63.4	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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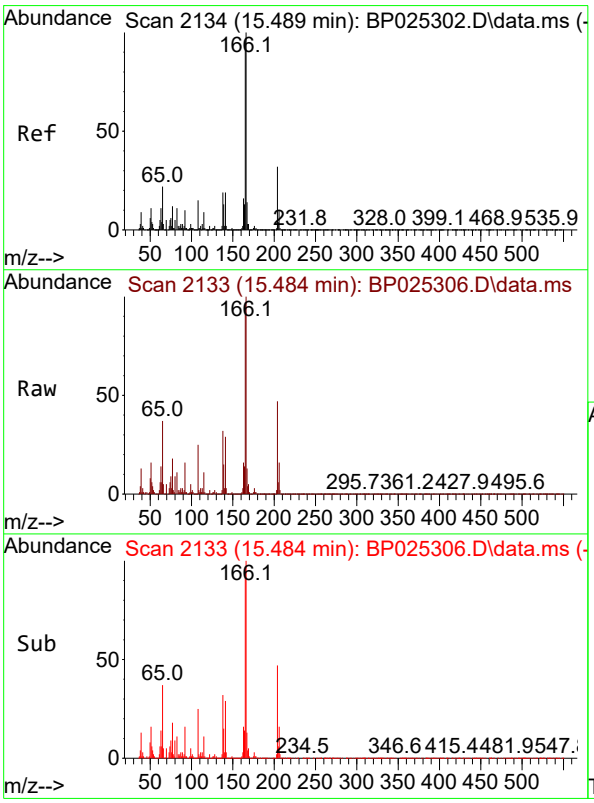
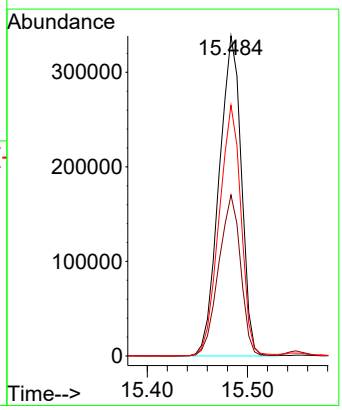
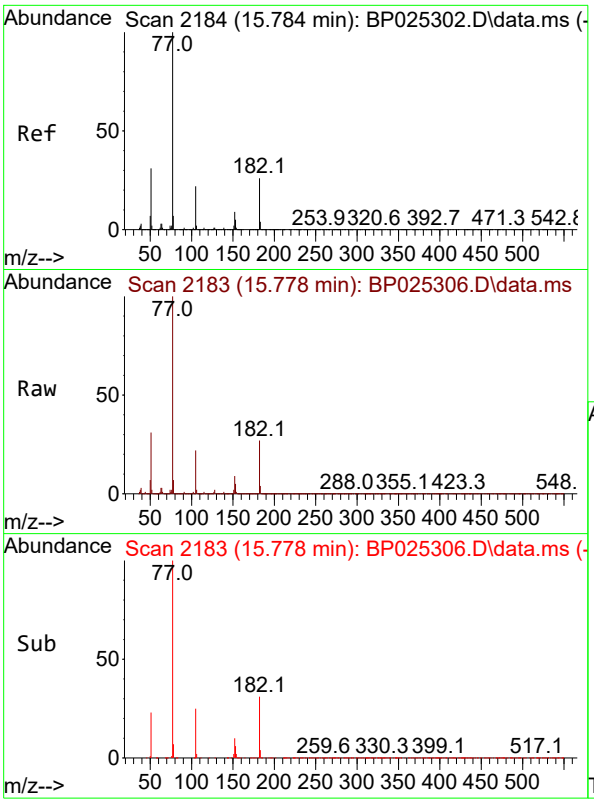


#62
4-Nitroaniline
Concen: 41.652 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:138 Resp: 521442

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.8	69.8
108	78.3	56.6	96.6

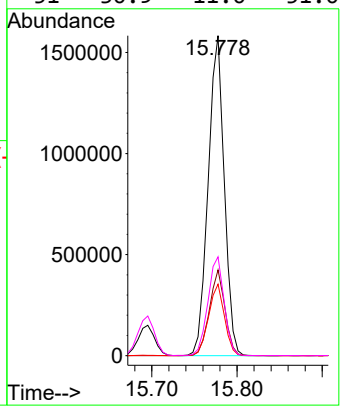




#63
Azobenzene
Concen: 37.866 ng
RT: 15.778 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 207603

Ion	Ratio	Lower	Upper
77	100		
182	26.8	6.0	46.0
105	22.4	2.1	42.1
51	30.9	11.0	51.0



Instrument :
BNA_P
ClientSampleId :
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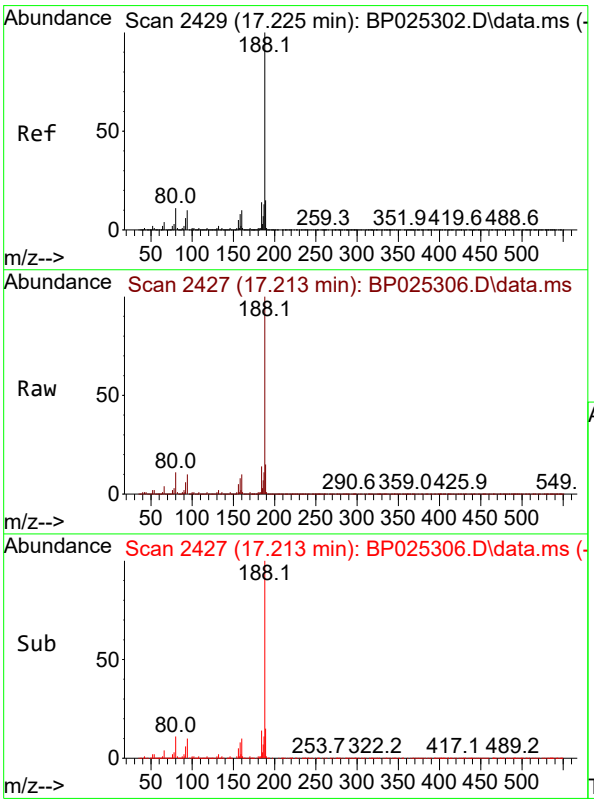
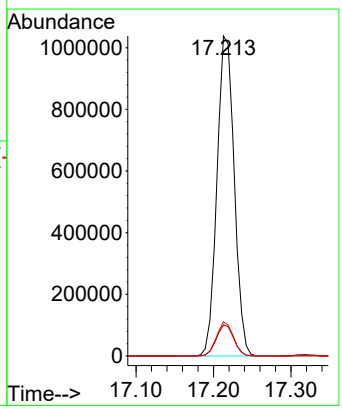
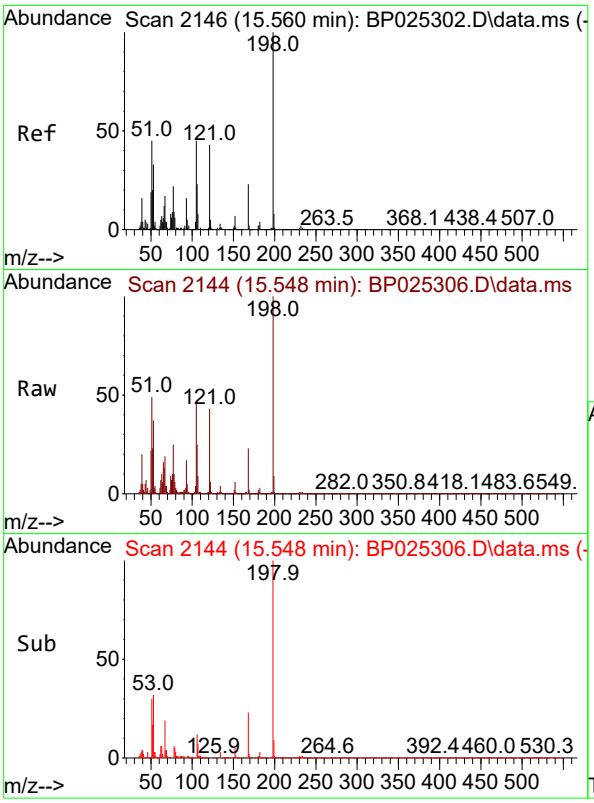


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:188 Resp: 1605717

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.7	8.5	12.7

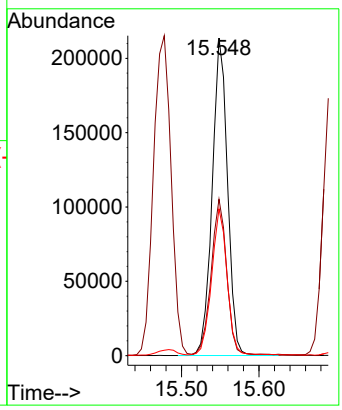




#65
4,6-Dinitro-2-methylphenol
Concen: 43.059 ng
RT: 15.548 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:198 Resp: 29369

Ion	Ratio	Lower	Upper
198	100		
51	49.3	26.7	66.7
105	46.2	25.6	65.6



Instrument :
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ClientSampleId :
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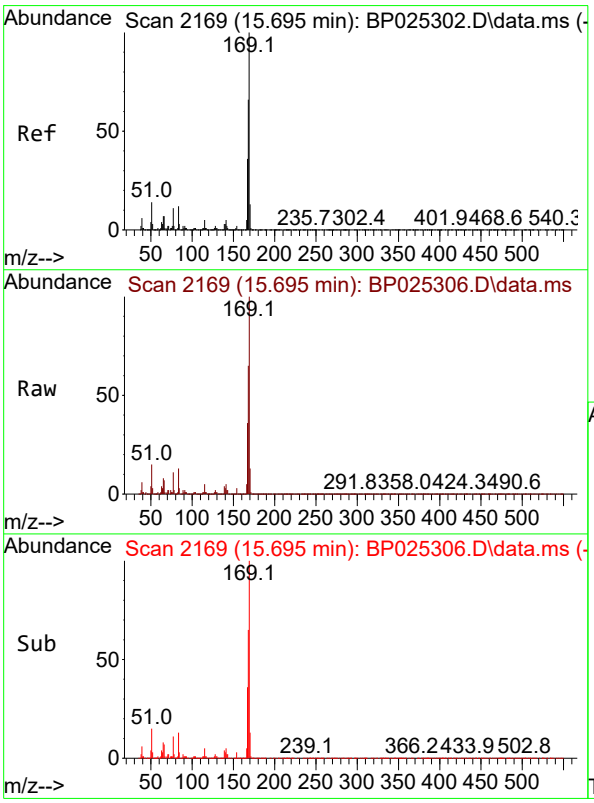
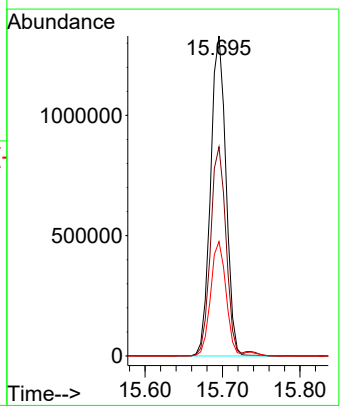
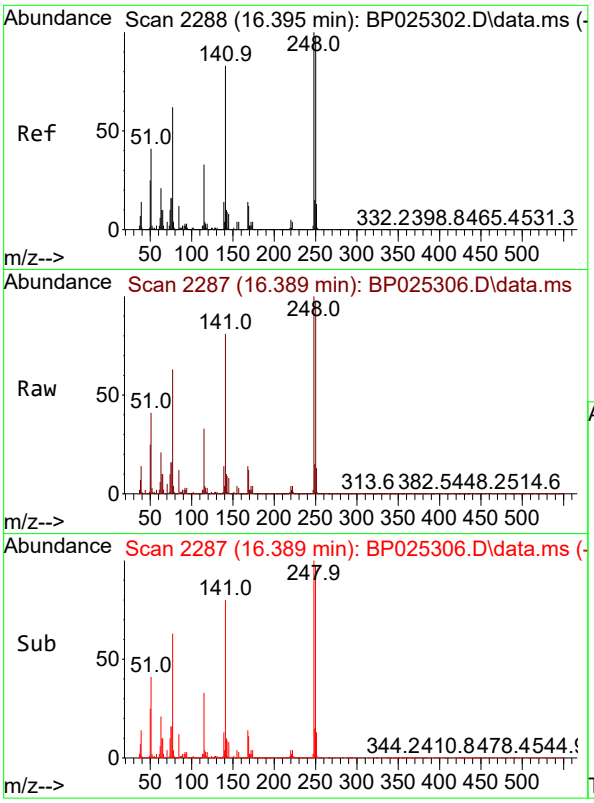


#66
n-Nitrosodiphenylamine
Concen: 37.466 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:169 Resp: 1831755

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.8	28.5	42.7

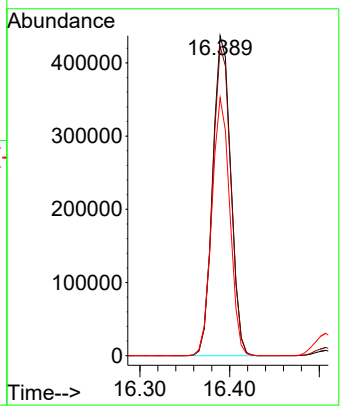




#67
4-Bromophenyl-phenylether
Concen: 37.882 ng
RT: 16.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:248 Resp: 61202

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	80.7	66.6	99.8



Instrument :
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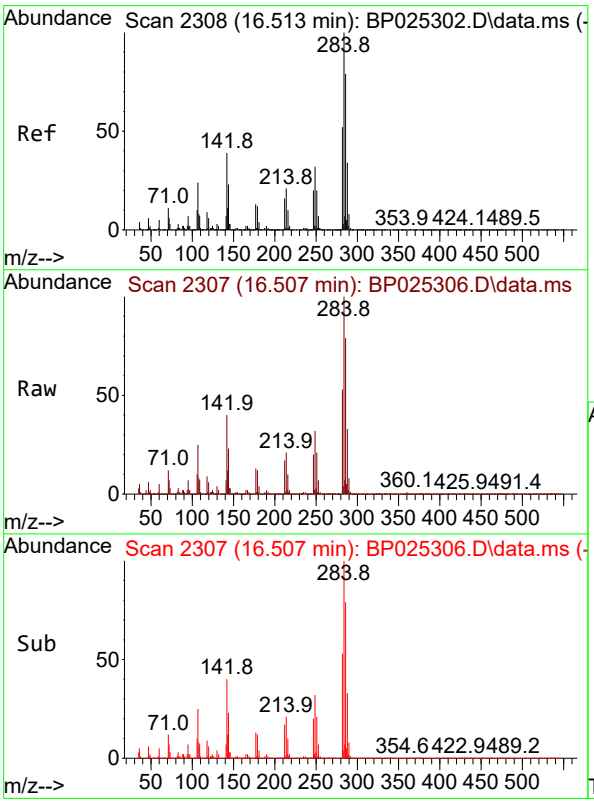
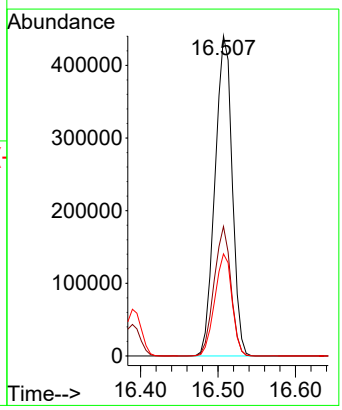
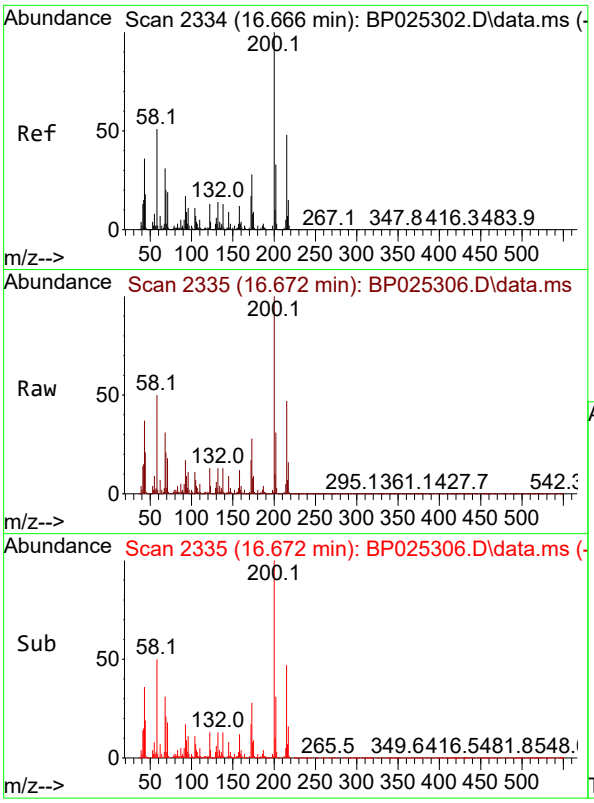


#68
Hexachlorobenzene
Concen: 37.437 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:284 Resp: 678667

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	31.9	25.4	38.0

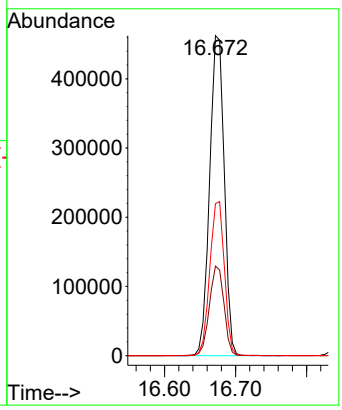




#69
Atrazine
Concen: 38.434 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:200 Resp: 66081

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.2	48.2
215	47.5	28.1	68.1



Instrument :
BNA_P
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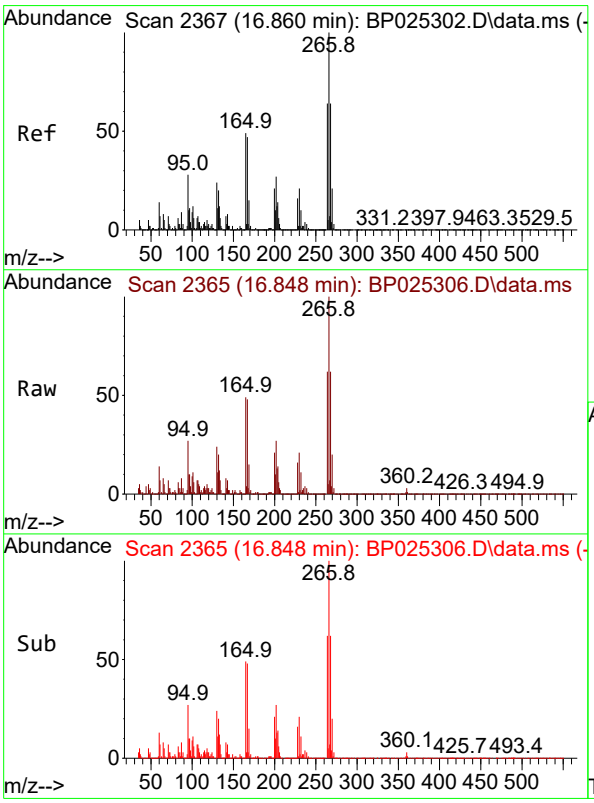
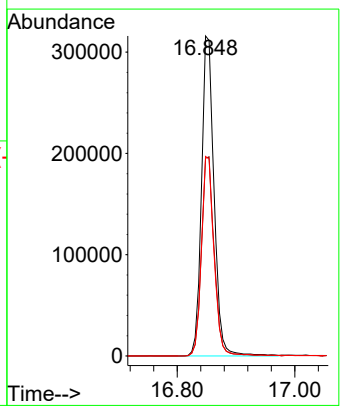
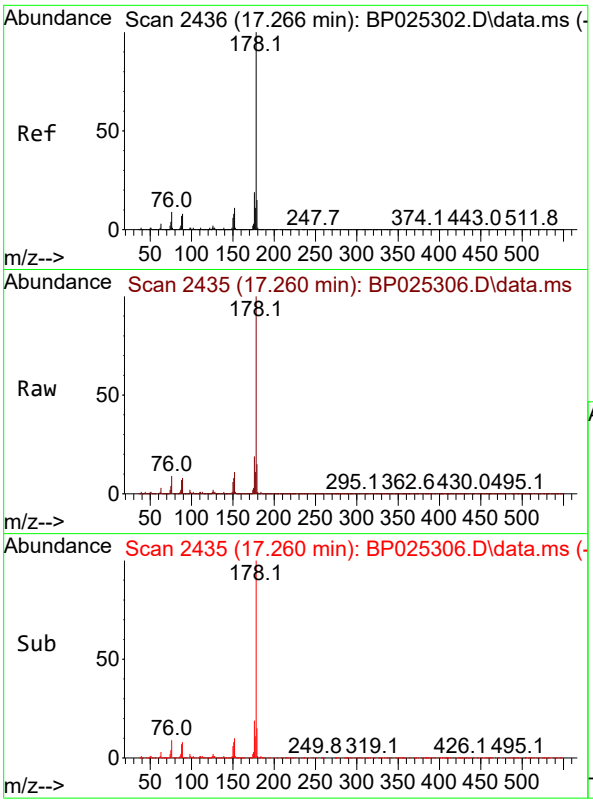


#70
Pentachlorophenol
Concen: 40.655 ng
RT: 16.848 min Scan# 2365
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:266 Resp: 469548

Ion	Ratio	Lower	Upper
266	100		
268	61.8	51.4	77.0
264	62.4	51.1	76.7

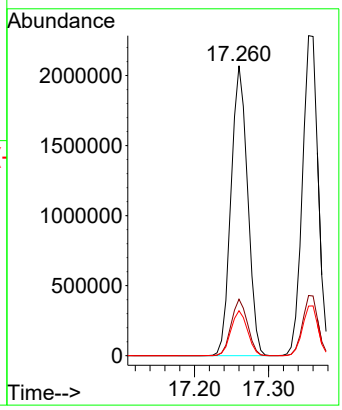




#71
Phenanthrene
Concen: 36.596 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:178 Resp: 321848

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.5	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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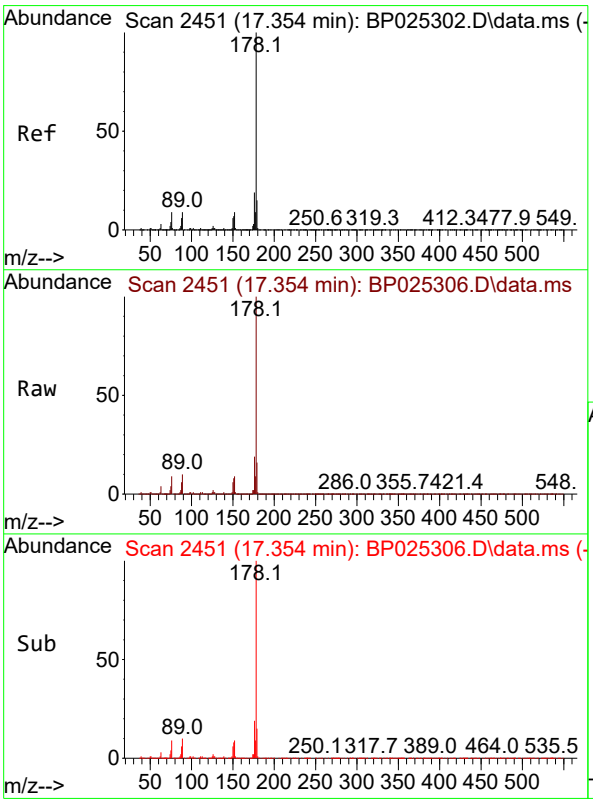
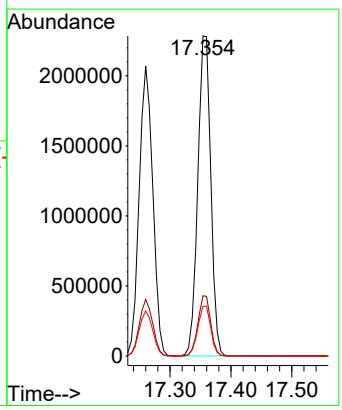
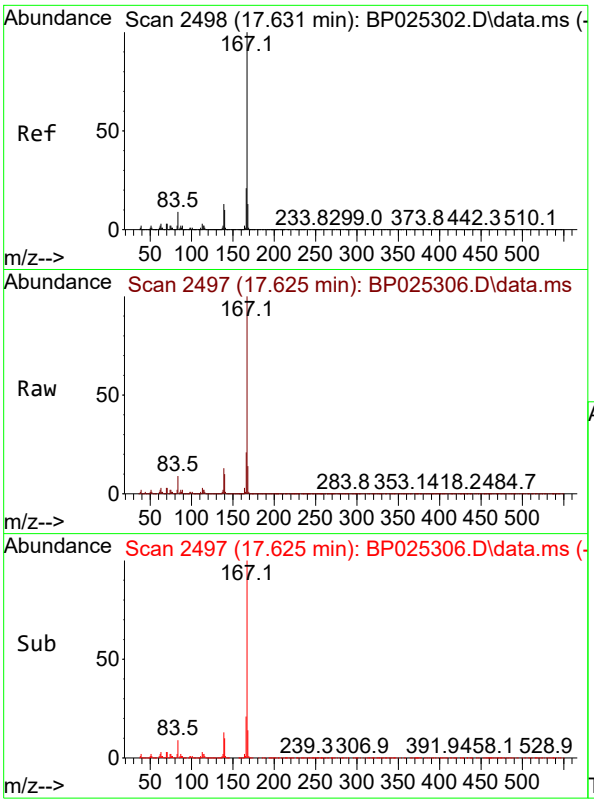


#72
Anthracene
Concen: 38.053 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:178 Resp: 3374425

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.3	18.5

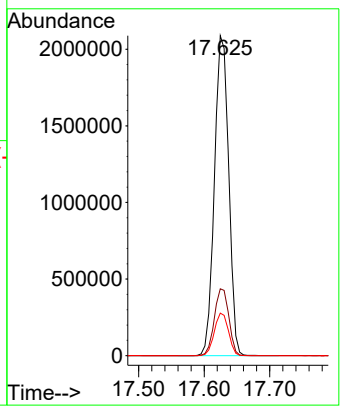




#73
Carbazole
Concen: 36.915 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:167 Resp: 314227

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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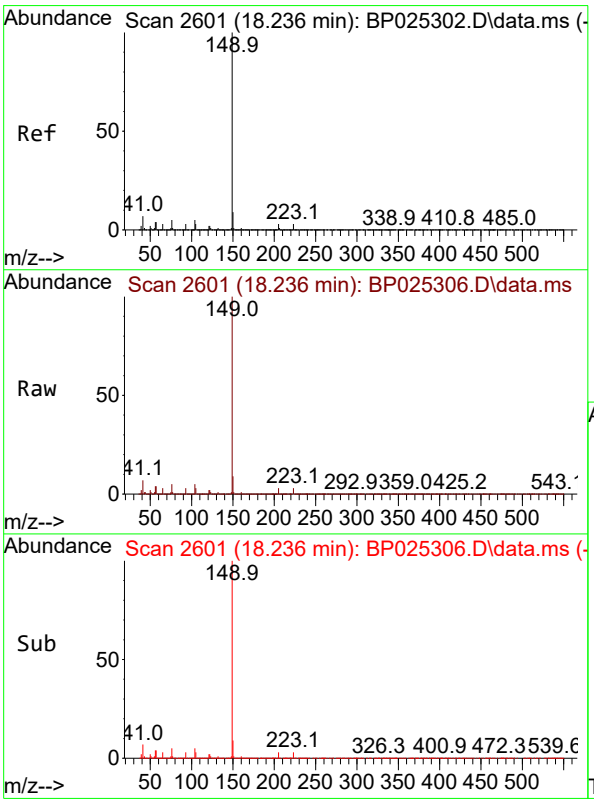
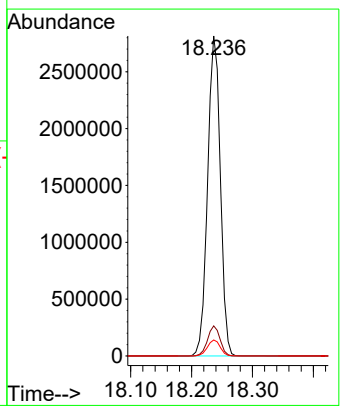
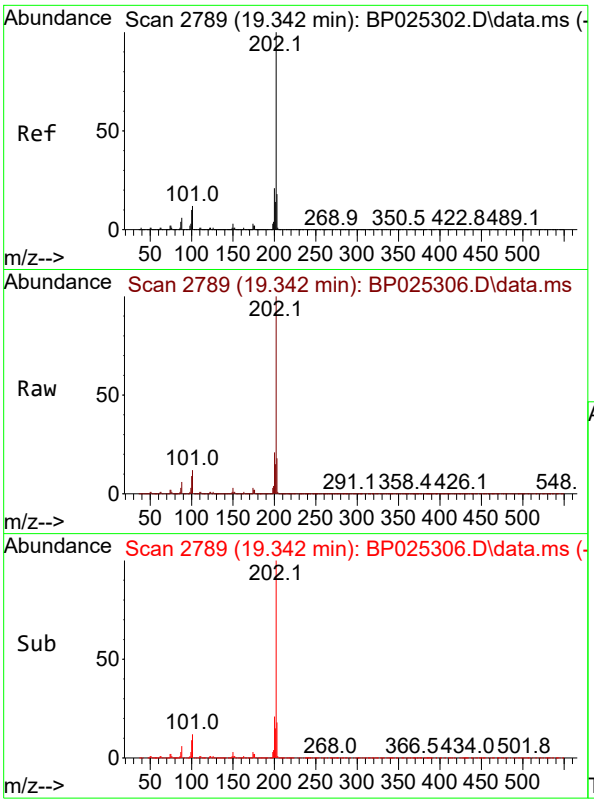


#74
Di-n-butylphthalate
Concen: 39.636 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 4081711

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.0	4.1	6.1

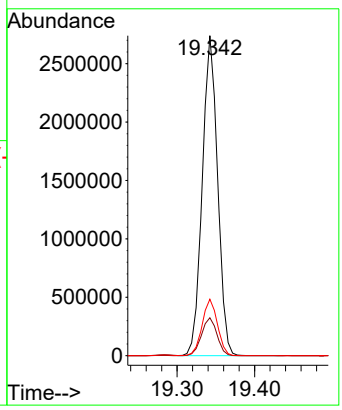




#75
Fluoranthene
Concen: 36.904 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:202 Resp: 375723

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.5
203	17.7	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
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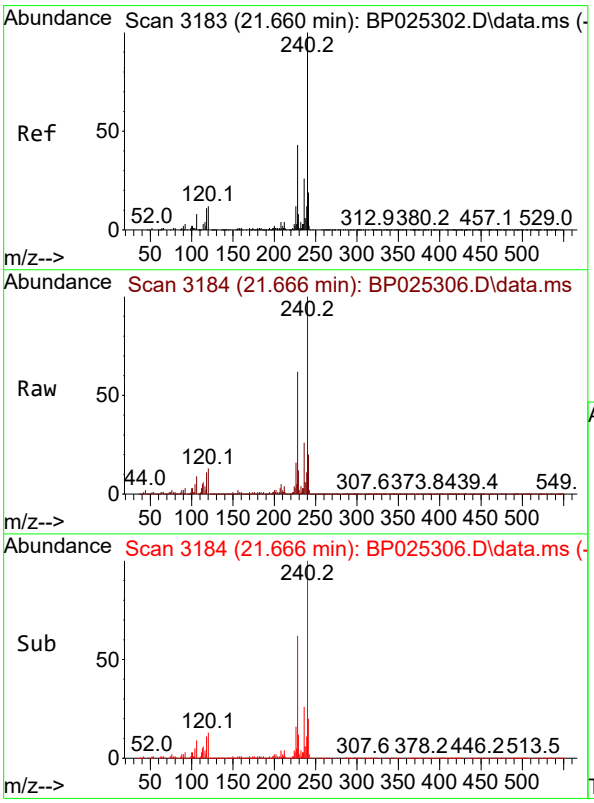
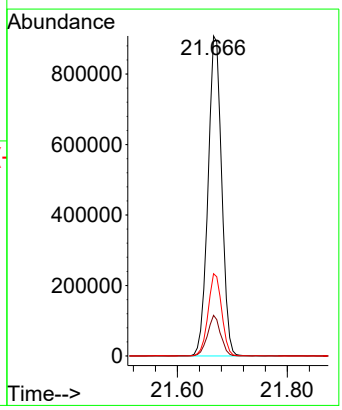
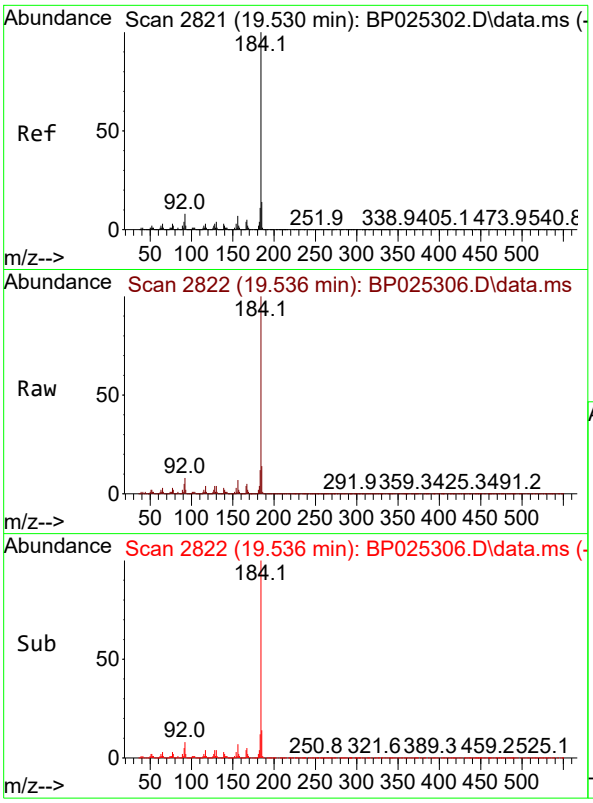


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:240 Resp: 1565231

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.6	14.4
236	25.7	20.4	30.6

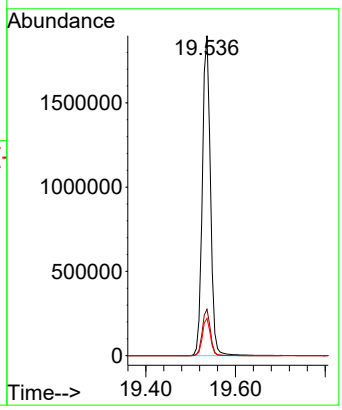




#77
Benzidine
Concen: 42.024 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:184 Resp: 238075

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.0	16.6
183	11.6	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
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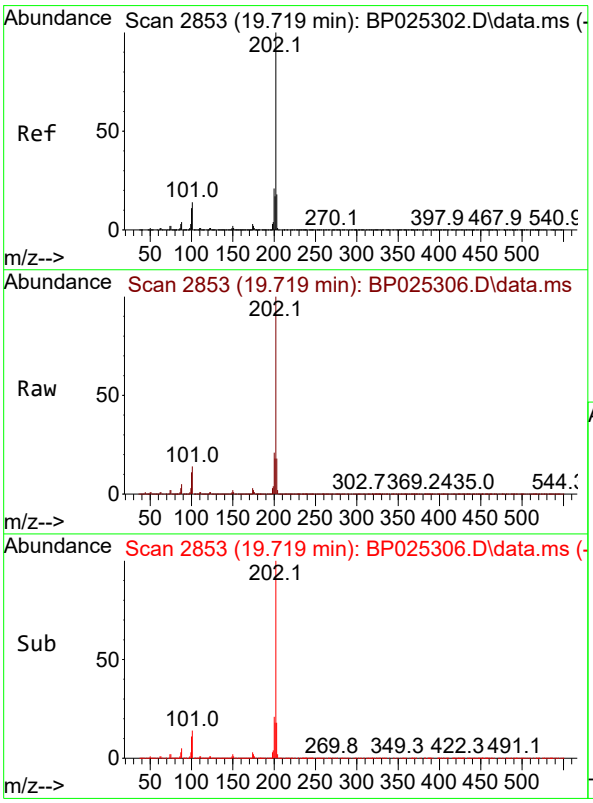
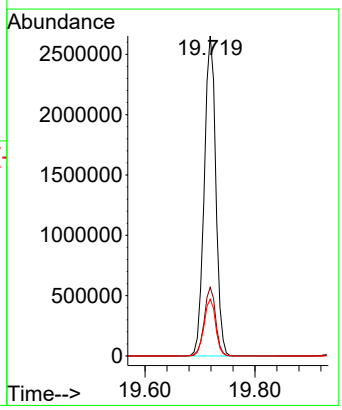
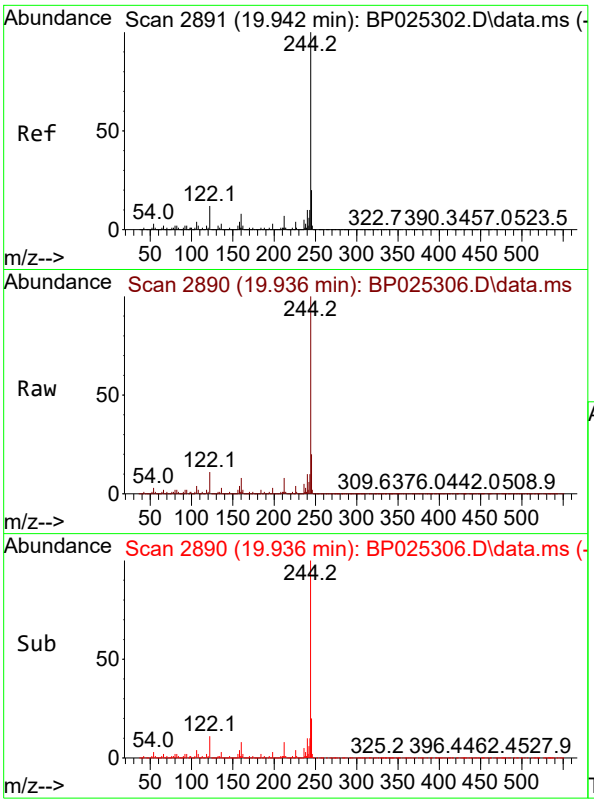


#78
Pyrene
Concen: 37.027 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:202 Resp: 3853987

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.1	21.1

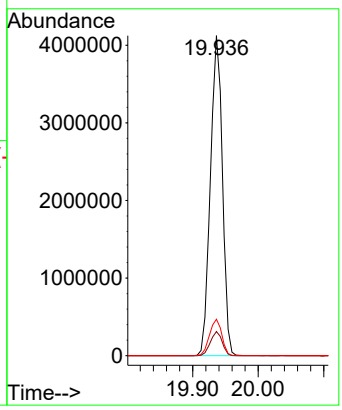




#79
Terphenyl-d14
Concen: 63.367 ng
RT: 19.936 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:244 Resp: 525122

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.4	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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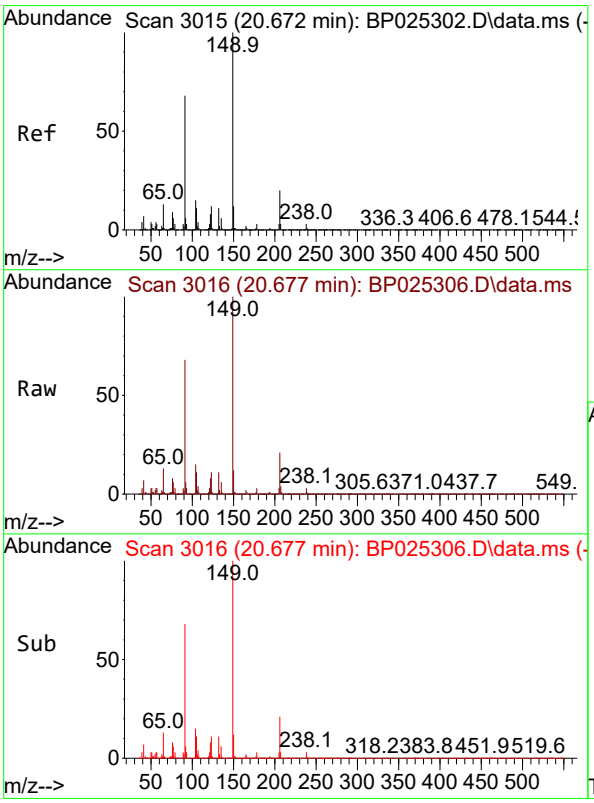
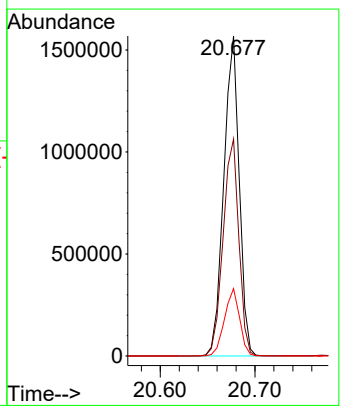
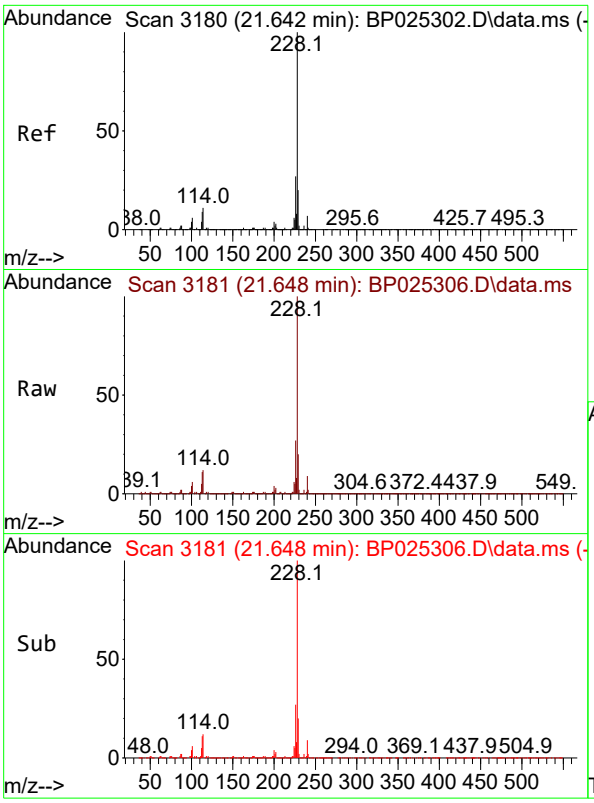


#80
Butylbenzylphthalate
Concen: 42.064 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 1775636

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.7	82.1
206	21.1	16.4	24.6

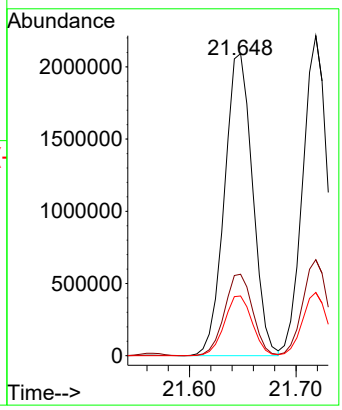




#81
Benzo(a)anthracene
Concen: 36.791 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:228 Resp: 382677

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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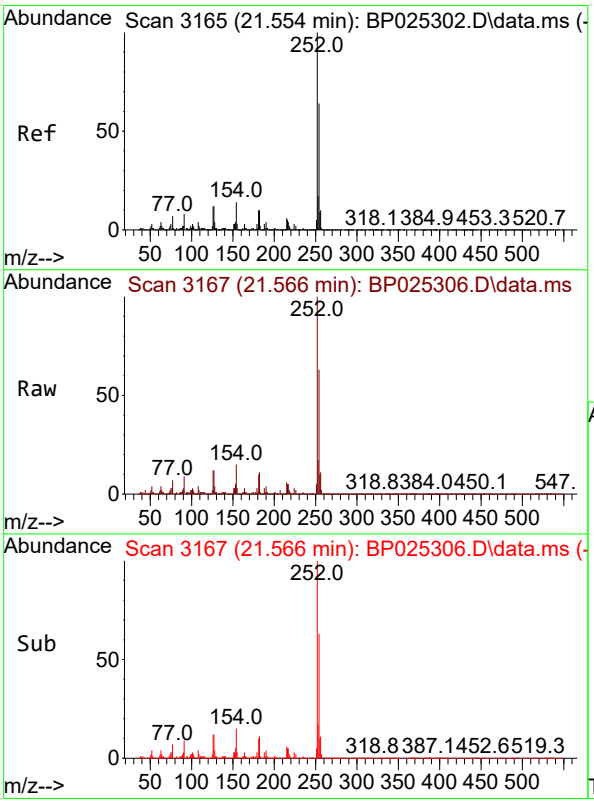
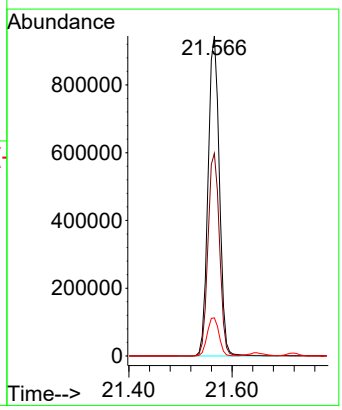
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

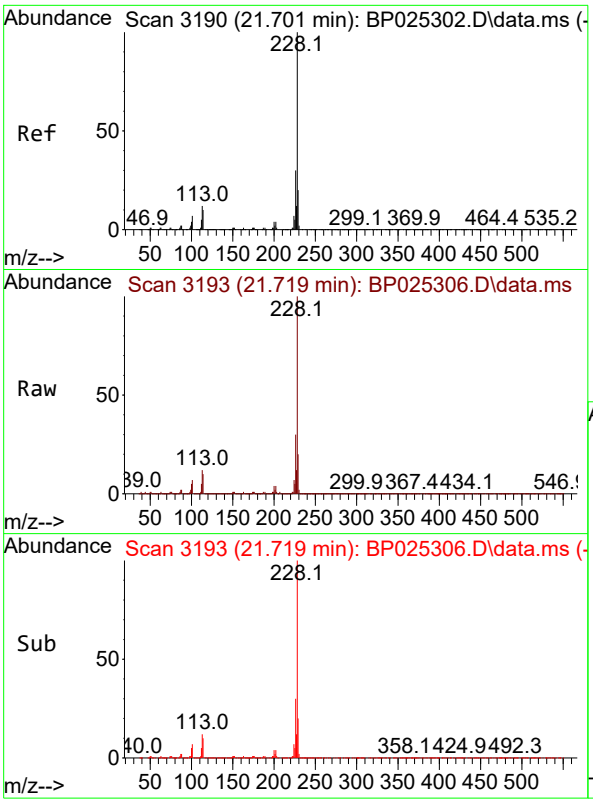


#82
3,3'-Dichlorobenzidine
Concen: 38.998 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 1431183

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.0	76.6
126	11.9	9.4	14.2

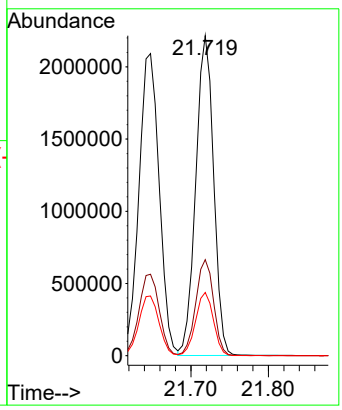




#83
Chrysene
Concen: 36.707 ng
RT: 21.719 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:228 Resp: 354127

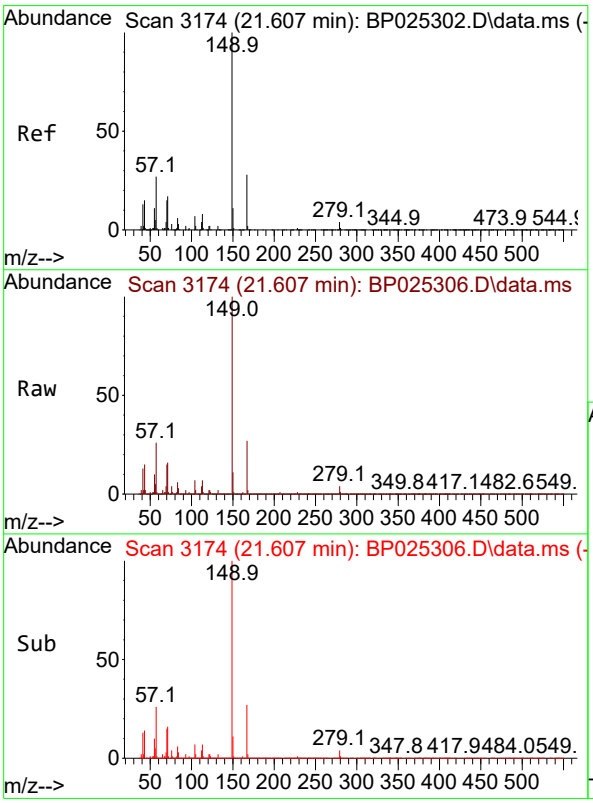
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
APPROVED

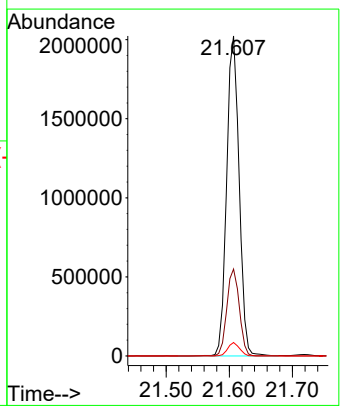
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

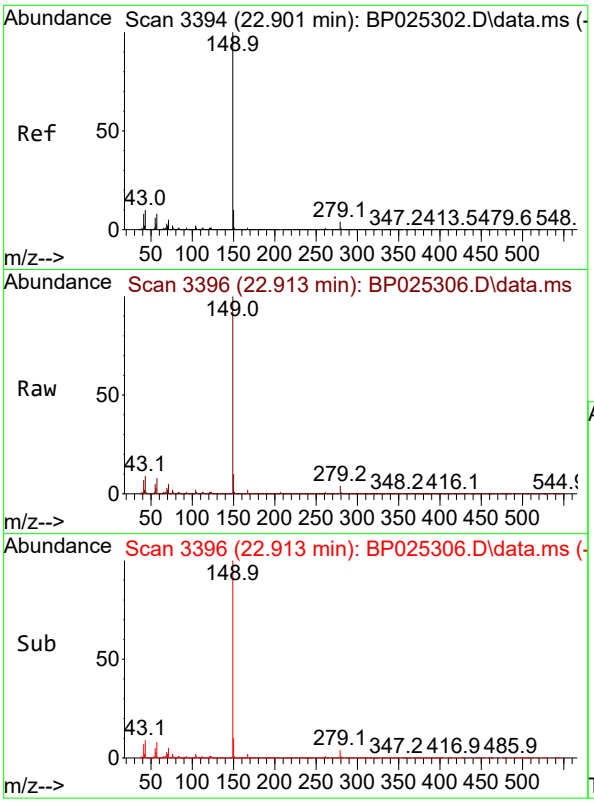


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.026 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2765334

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.2	3.4	5.2

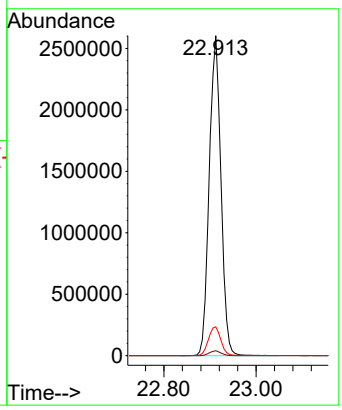




#85
Di-n-octyl phthalate
Concen: 40.723 ng
RT: 22.913 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 459446

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.6	7.9	11.9



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations
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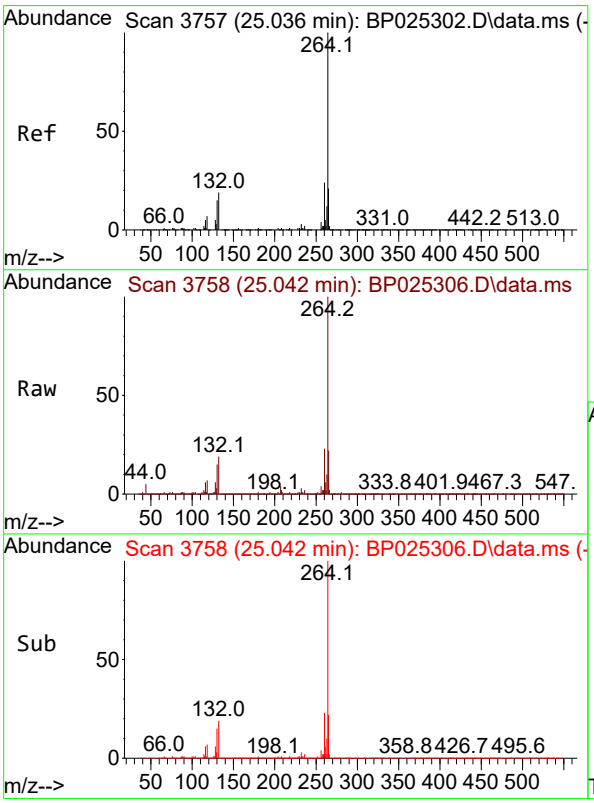
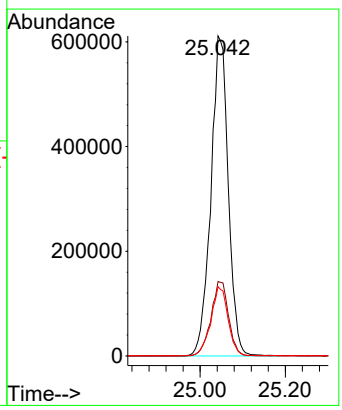
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

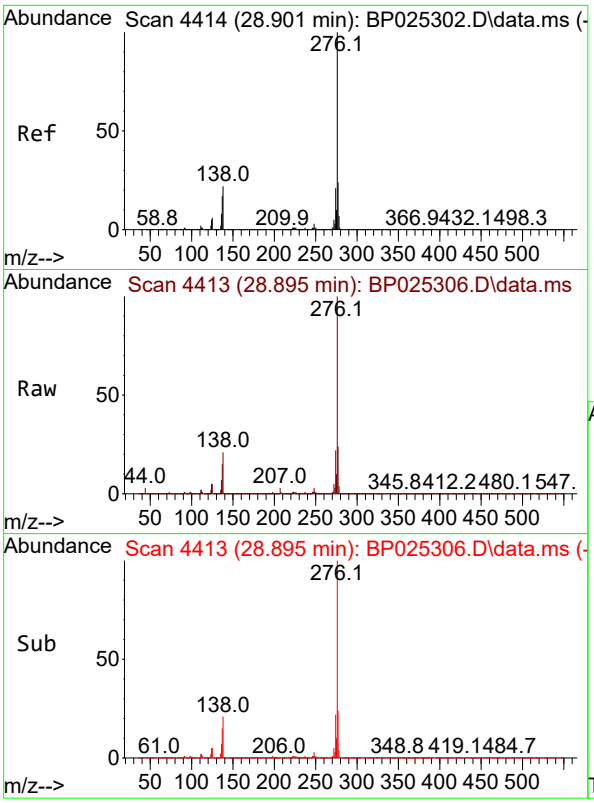


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:264 Resp: 1730065

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.6	17.1	25.7

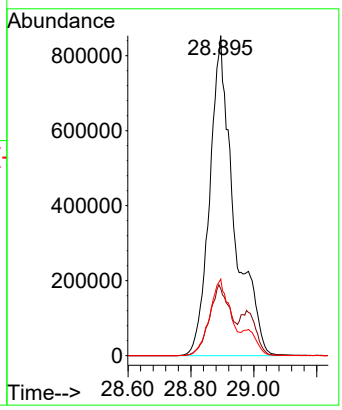




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.054 ng m
RT: 28.895 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:276 Resp: 459486

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.6	22.0
277	20.7	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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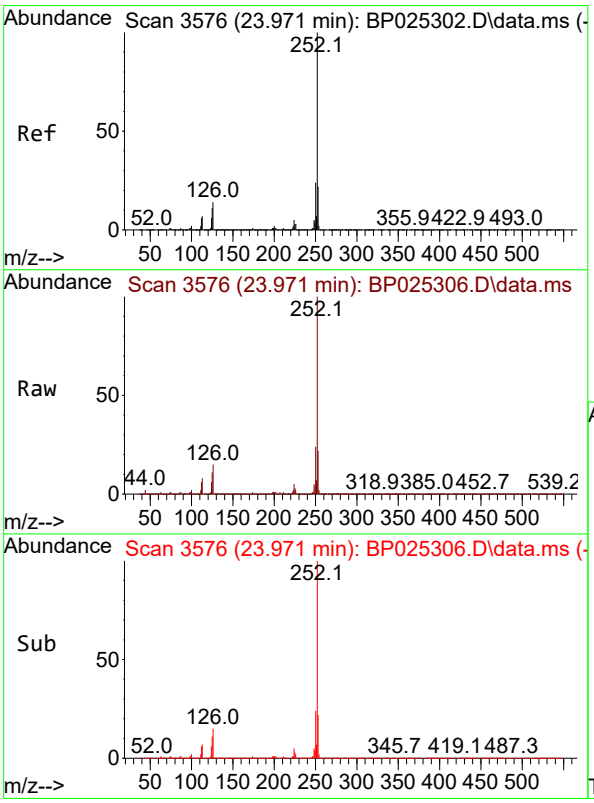
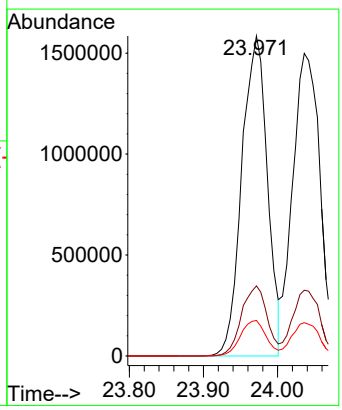
Supervised By :Jagrut Upadhyay 08/06/2025

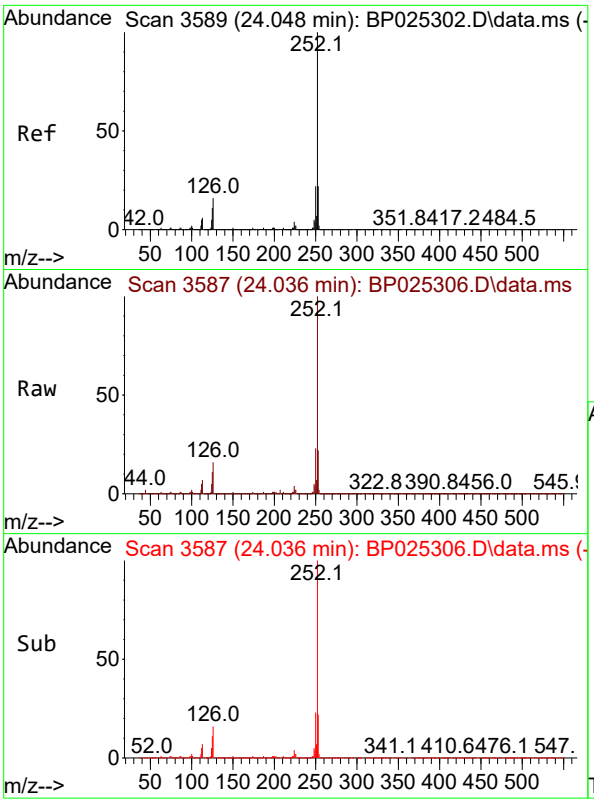


#88
Benzo(b)fluoranthene
Concen: 36.638 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3794446

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.1	8.5	12.7

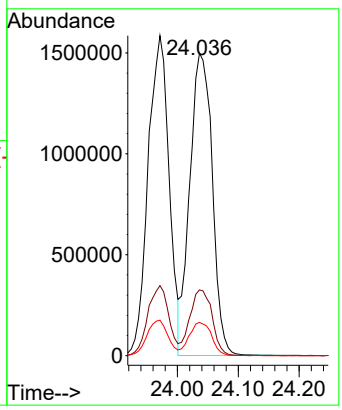




#89
Benzo(k)fluoranthene
Concen: 37.398 ng
RT: 24.036 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 383946

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

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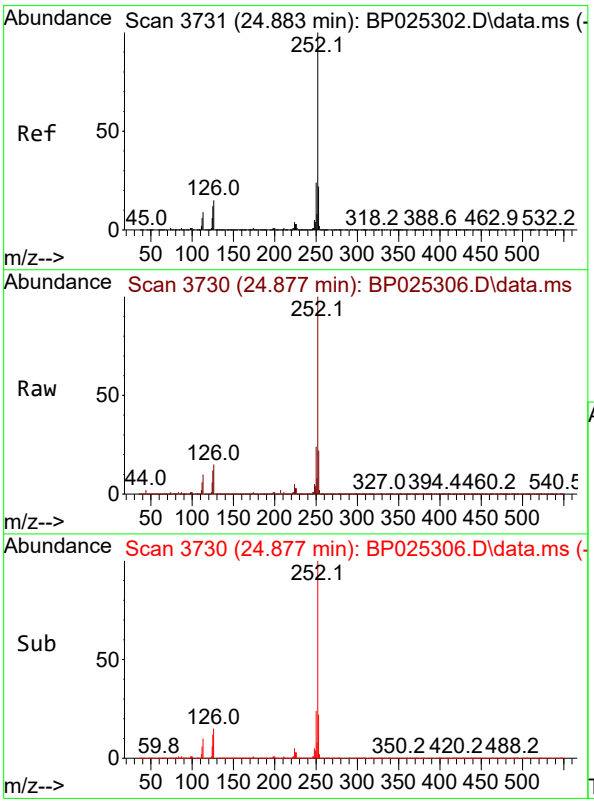
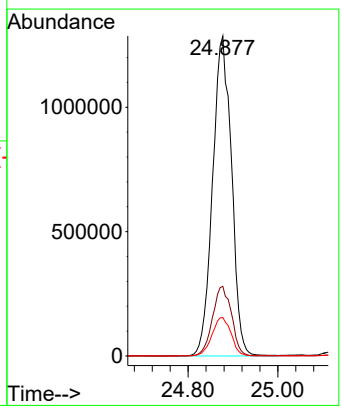
Supervised By :Jagrut Upadhyay 08/06/2025

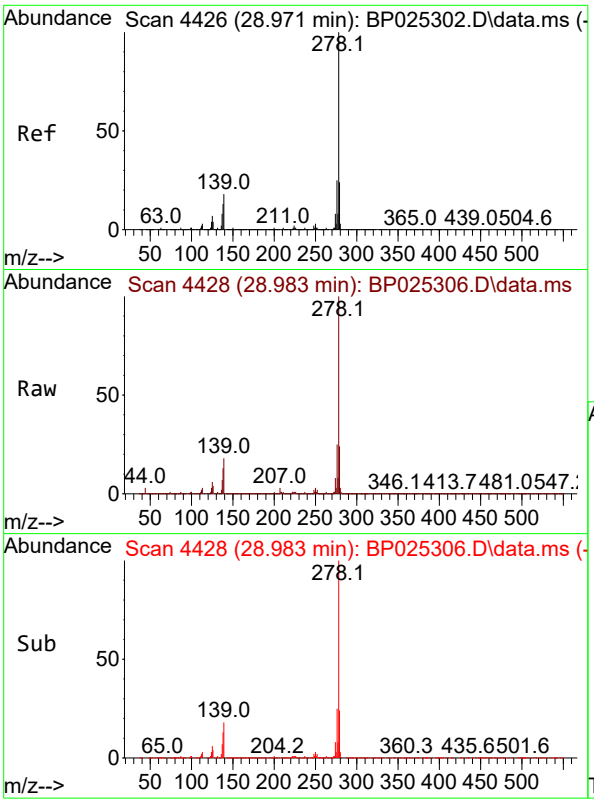


#90
Benzo(a)pyrene
Concen: 37.640 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3753992

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.0	9.4	14.0

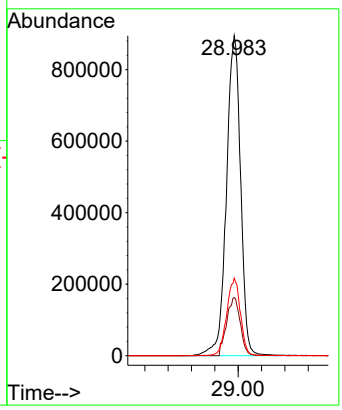




#91
Dibenzo(a,h)anthracene
Concen: 37.050 ng
RT: 28.983 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:278 Resp: 376270

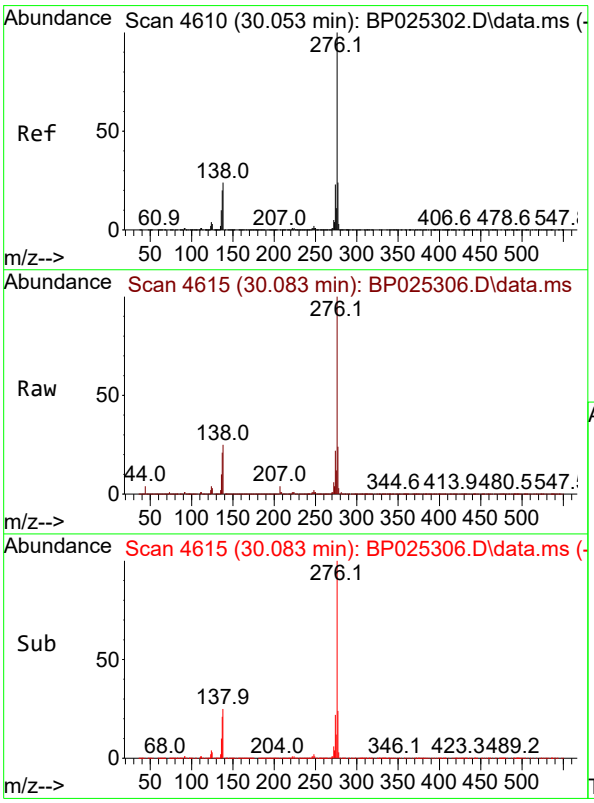
Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.6	22.0
279	24.2	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Manual Integrations APPROVED

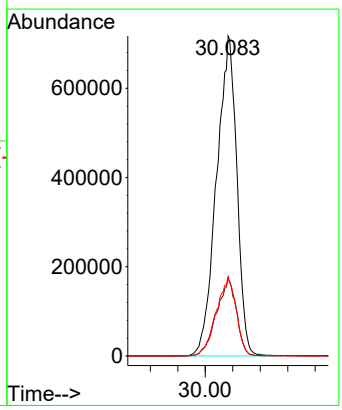
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#92
Benzo(g,h,i)perylene
Concen: 36.870 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:276 Resp: 3674873

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	24.8	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00
2		1,4-Dioxane	0.491	0.402	18.1	114	0.00
3		Pyridine	1.363	1.225	10.1	125	0.00
4		n-Nitrosodimethylamine	0.633	0.573	9.5	128	0.00
5	S	2-Fluorophenol	1.244	1.072	13.8	119	0.00
6		Aniline	2.247	2.120	5.7	130	0.00
7	S	Phenol-d6	1.637	1.443	11.9	121	0.00
8		2-Chlorophenol	1.361	1.301	4.4	131	0.00
9		Benzaldehyde	1.162	0.984	15.3	96	0.00
10	C	Phenol	1.751	1.649	5.8	130	0.00
11		bis(2-Chloroethyl)ether	1.372	1.299	5.3	133	0.00
12		1,3-Dichlorobenzene	1.529	1.411	7.7	131	0.00
13	C	1,4-Dichlorobenzene	1.547	1.434	7.3	130	0.00
14		1,2-Dichlorobenzene	1.499	1.392	7.1	130	0.00
15		Benzyl Alcohol	1.269	1.212	4.5	133	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.994	8.0	129	0.00
17		2-Methylphenol	1.172	1.149	2.0	133	0.00
18		Hexachloroethane	0.553	0.522	5.6	132	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	1.050	2.3	133	0.00
20		3+4-Methylphenols	1.613	1.558	3.4	134	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	139	0.00
22		Acetophenone	0.502	0.474	5.6	133	0.00
23	S	Nitrobenzene-d5	0.361	0.325	10.0	121	0.00
24		Nitrobenzene	0.342	0.335	2.0	135	0.00
25		Isophorone	0.719	0.696	3.2	136	0.00
26	C	2-Nitrophenol	0.126	0.145	-15.1	157#	0.00
27		2,4-Dimethylphenol	0.331	0.310	6.3	133	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.416	4.8	134	0.00
29	C	2,4-Dichlorophenol	0.290	0.289	0.3	135	0.00
30		1,2,4-Trichlorobenzene	0.320	0.301	5.9	134	0.00
31		Naphthalene	1.038	0.969	6.6	132	0.00
32		Benzoic acid	0.168	0.195	-16.1	160#	0.02
33		4-Chloroaniline	0.462	0.449	2.8	136	0.00
34	C	Hexachlorobutadiene	0.184	0.174	5.4	135	0.00
35		Caprolactam	0.113	0.110	2.7	133	0.00
36	C	4-Chloro-3-methylphenol	0.336	0.334	0.6	136	0.00
37		2-Methylnaphthalene	0.672	0.633	5.8	134	0.00
38		1-Methylnaphthalene	0.701	0.674	3.9	137	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	145	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.502	8.1	133	0.00
41	P	Hexachlorocyclopentadiene	0.337	0.332	1.5	145	0.00
42	S	2,4,6-Tribromophenol	0.200	0.193	3.5	131	0.00
43	C	2,4,6-Trichlorophenol	0.353	0.358	-1.4	141	0.00
44		2,4,5-Trichlorophenol	0.396	0.397	-0.3	139	0.00
45	S	2-Fluorobiphenyl	1.448	1.166	19.5	117	0.00
46		1,1'-Biphenyl	1.474	1.385	6.0	139	0.00
47		2-Chloronaphthalene	1.124	1.040	7.5	136	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.317	-10.1	149	-0.01
49		Acenaphthylene	1.876	1.768	5.8	137	-0.01
50		Dimethylphthalate	1.458	1.377	5.6	139	0.00
51		2,6-Dinitrotoluene	0.269	0.289	-7.4	146	0.00
52	C	Acenaphthene	1.144	1.084	5.2	141	0.00
53		3-Nitroaniline	0.315	0.338	-7.3	147	0.00
54	P	2,4-Dinitrophenol	0.105	0.120	-14.3	183#	0.00
55		Dibenzofuran	1.710	1.597	6.6	138	-0.01
56	P	4-Nitrophenol	0.278	0.286	-2.9	146	0.00
57		2,4-Dinitrotoluene	0.359	0.404	-12.5	150#	-0.01
58		Fluorene	1.343	1.228	8.6	135	-0.01
59		2,3,4,6-Tetrachlorophenol	0.331	0.335	-1.2	141	-0.01
60		Diethylphthalate	1.470	1.401	4.7	141	0.00
61		4-Chlorophenyl-phenylether	0.637	0.583	8.5	134	0.00
62		4-Nitroaniline	0.312	0.325	-4.2	139	0.00
63		Azobenzene	1.366	1.293	5.3	139	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	146	-0.01
65		4,6-Dinitro-2-methylphenol	0.080	0.091	-13.7	178#	-0.01
66	c	n-Nitrosodiphenylamine	0.609	0.570	6.4	138	0.00
67		4-Bromophenyl-phenylether	0.201	0.191	5.0	140	0.00
68		Hexachlorobenzene	0.226	0.211	6.6	141	0.00
69		Atrazine	0.214	0.206	3.7	142	0.00
70	C	Pentachlorophenol	0.144	0.146	-1.4	149	-0.01
71		Phenanthrene	1.095	1.002	8.5	137	0.00
72		Anthracene	1.105	1.051	4.9	140	0.00
73		Carbazole	1.060	0.978	7.7	136	0.00
74		Di-n-butylphthalate	1.283	1.271	0.9	144	0.00
75	C	Fluoranthene	1.268	1.170	7.7	137	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	142	0.00
77		Benzidine	0.724	0.761	-5.1	112	0.00
78		Pyrene	1.330	1.231	7.4	136	0.00
79	S	Terphenyl-d14	1.059	0.839	20.8	114	0.00
80		Butylbenzylphthalate	0.539	0.567	-5.2	143	0.00
81		Benzo(a)anthracene	1.329	1.222	8.1	134	0.00
82		3,3'-Dichlorobenzidine	0.469	0.457	2.6	138	0.01
83		Chrysene	1.233	1.131	8.3	132	0.02
84		Bis(2-ethylhexyl)phthalate	0.861	0.883	-2.6	141	0.00
85	c	Di-n-octyl phthalate	1.442	1.468	-1.8	139	0.01
86	I	Perylene-d12	1.000	1.000	0.0	137	0.00
87		Indeno(1,2,3-cd)pyrene	1.434	1.328	7.4	126	0.00
88		Benzo(b)fluoranthene	1.197	1.097	8.4	127	0.00
89		Benzo(k)fluoranthene	1.187	1.110	6.5	130	-0.01
90	C	Benzo(a)pyrene	1.153	1.085	5.9	129	0.00
91		Dibenzo(a,h)anthracene	1.174	1.087	7.4	126	0.01
92		Benzo(g,h,i)perylene	1.152	1.062	7.8	126	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
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Instrument :
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Quant Time: Aug 06 06:56:40 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	136	0.00
2		1,4-Dioxane	40.000	32.761	18.1	114	0.00
3		Pyridine	40.000	35.938	10.2	125	0.00
4		n-Nitrosodimethylamine	40.000	36.198	9.5	128	0.00
5	S	2-Fluorophenol	80.000	68.960	13.8	119	0.00
6		Aniline	40.000	37.746	5.6	130	0.00
7	S	Phenol-d6	80.000	70.557	11.8	121	0.00
8		2-Chlorophenol	40.000	38.218	4.5	131	0.00
9		Benzaldehyde	40.000	33.857	15.4	96	0.00
10	C	Phenol	40.000	37.664	5.8	130	0.00
11		bis(2-Chloroethyl)ether	40.000	37.860	5.4	133	0.00
12		1,3-Dichlorobenzene	40.000	36.894	7.8	131	0.00
13	C	1,4-Dichlorobenzene	40.000	37.069	7.3	130	0.00
14		1,2-Dichlorobenzene	40.000	37.139	7.2	130	0.00
15		Benzyl Alcohol	40.000	38.230	4.4	133	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.800	8.0	129	0.00
17		2-Methylphenol	40.000	39.242	1.9	133	0.00
18		Hexachloroethane	40.000	37.712	5.7	132	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.071	2.3	133	0.00
20		3+4-Methylphenols	40.000	38.632	3.4	134	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	139	0.00
22		Acetophenone	40.000	37.755	5.6	133	0.00
23	S	Nitrobenzene-d5	80.000	71.916	10.1	121	0.00
24		Nitrobenzene	40.000	39.201	2.0	135	0.00
25		Isophorone	40.000	38.747	3.1	136	0.00
26	C	2-Nitrophenol	40.000	39.528	1.2	157	0.00
27		2,4-Dimethylphenol	40.000	37.381	6.5	133	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.088	4.8	134	0.00
29	C	2,4-Dichlorophenol	40.000	39.853	0.4	135	0.00
30		1,2,4-Trichlorobenzene	40.000	37.651	5.9	134	0.00
31		Naphthalene	40.000	37.348	6.6	132	0.00
32		Benzoic acid	40.000	43.119	-7.8	160	0.02
33		4-Chloroaniline	40.000	38.908	2.7	136	0.00
34	C	Hexachlorobutadiene	40.000	37.983	5.0	135	0.00
35		Caprolactam	40.000	39.093	2.3	133	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.847	0.4	136	0.00
37		2-Methylnaphthalene	40.000	37.660	5.9	134	0.00
38		1-Methylnaphthalene	40.000	38.438	3.9	137	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	145	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.772	8.1	133	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.389	1.5	145	0.00
42	S	2,4,6-Tribromophenol	80.000	77.267	3.4	131	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.551	-1.4	141	0.00
44		2,4,5-Trichlorophenol	40.000	40.117	-0.3	139	0.00
45	S	2-Fluorobiphenyl	80.000	64.394	19.5	117	0.00
46		1,1'-Biphenyl	40.000	37.601	6.0	139	0.00
47		2-Chloronaphthalene	40.000	36.992	7.5	136	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.111	2.2	149	-0.01
49		Acenaphthylene	40.000	37.711	5.7	137	-0.01
50		Dimethylphthalate	40.000	37.765	5.6	139	0.00
51		2,6-Dinitrotoluene	40.000	42.979	-7.4	146	0.00
52	C	Acenaphthene	40.000	37.908	5.2	141	0.00
53		3-Nitroaniline	40.000	42.925	-7.3	147	0.00
54	P	2,4-Dinitrophenol	40.000	44.579	-11.4	183	0.00
55		Dibenzofuran	40.000	37.357	6.6	138	-0.01
56	P	4-Nitrophenol	40.000	41.198	-3.0	146	0.00
57		2,4-Dinitrotoluene	40.000	39.363	1.6	150	-0.01
58		Fluorene	40.000	36.584	8.5	135	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	40.516	-1.3	141	-0.01
60		Diethylphthalate	40.000	38.127	4.7	141	0.00
61		4-Chlorophenyl-phenylether	40.000	36.635	8.4	134	0.00
62		4-Nitroaniline	40.000	41.652	-4.1	139	0.00
63		Azobenzene	40.000	37.866	5.3	139	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	146	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	43.059	-7.6	178	-0.01
66	c	n-Nitrosodiphenylamine	40.000	37.466	6.3	138	0.00
67		4-Bromophenyl-phenylether	40.000	37.882	5.3	140	0.00
68		Hexachlorobenzene	40.000	37.437	6.4	141	0.00
69		Atrazine	40.000	38.434	3.9	142	0.00
70	C	Pentachlorophenol	40.000	40.655	-1.6	149	-0.01
71		Phenanthrene	40.000	36.596	8.5	137	0.00
72		Anthracene	40.000	38.053	4.9	140	0.00
73		Carbazole	40.000	36.915	7.7	136	0.00
74		Di-n-butylphthalate	40.000	39.636	0.9	144	0.00
75	C	Fluoranthene	40.000	36.904	7.7	137	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	142	0.00
77		Benzidine	40.000	42.024	-5.1	112	0.00
78		Pyrene	40.000	37.027	7.4	136	0.00
79	S	Terphenyl-d14	80.000	63.367	20.8	114	0.00
80		Butylbenzylphthalate	40.000	42.064	-5.2	143	0.00
81		Benzo(a)anthracene	40.000	36.791	8.0	134	0.00
82		3,3'-Dichlorobenzidine	40.000	38.998	2.5	138	0.01
83		Chrysene	40.000	36.707	8.2	132	0.02
84		Bis(2-ethylhexyl)phthalate	40.000	41.026	-2.6	141	0.00
85	c	Di-n-octyl phthalate	40.000	40.723	-1.8	139	0.01
86	I	Perylene-d12	20.000	20.000	0.0	137	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.054	7.4	126	0.00
88		Benzo(b)fluoranthene	40.000	36.638	8.4	127	0.00
89		Benzo(k)fluoranthene	40.000	37.398	6.5	130	-0.01
90	C	Benzo(a)pyrene	40.000	37.640	5.9	129	0.00
91		Dibenzo(a,h)anthracene	40.000	37.050	7.4	126	0.01
92		Benzo(g,h,i)perylene	40.000	36.870	7.8	126	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41)	P	Hexachlorocycl...		0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46
42)	S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43)	C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)		2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45)	S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)		1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)		2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)		2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)		Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)		Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)		2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52)	C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)		3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54)	P	2,4-Dinitrophenol		0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83
55)		Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56)	P	4-Nitrophenol		0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56
57)		2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)		Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)		2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)		Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)		4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)		4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)		Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21
66)	c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)		4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)		Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)		Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70)	C	Pentachlorophenol		0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76
71)		Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)		Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)		Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)		Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75)	C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94
78)		Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79)	S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)		Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)		Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)		3,3'-Dichlorob...		0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31
83)		Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)		Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85)	c	Di-n-octyl pht...		1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)		Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)		Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90)	C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)		Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)		Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

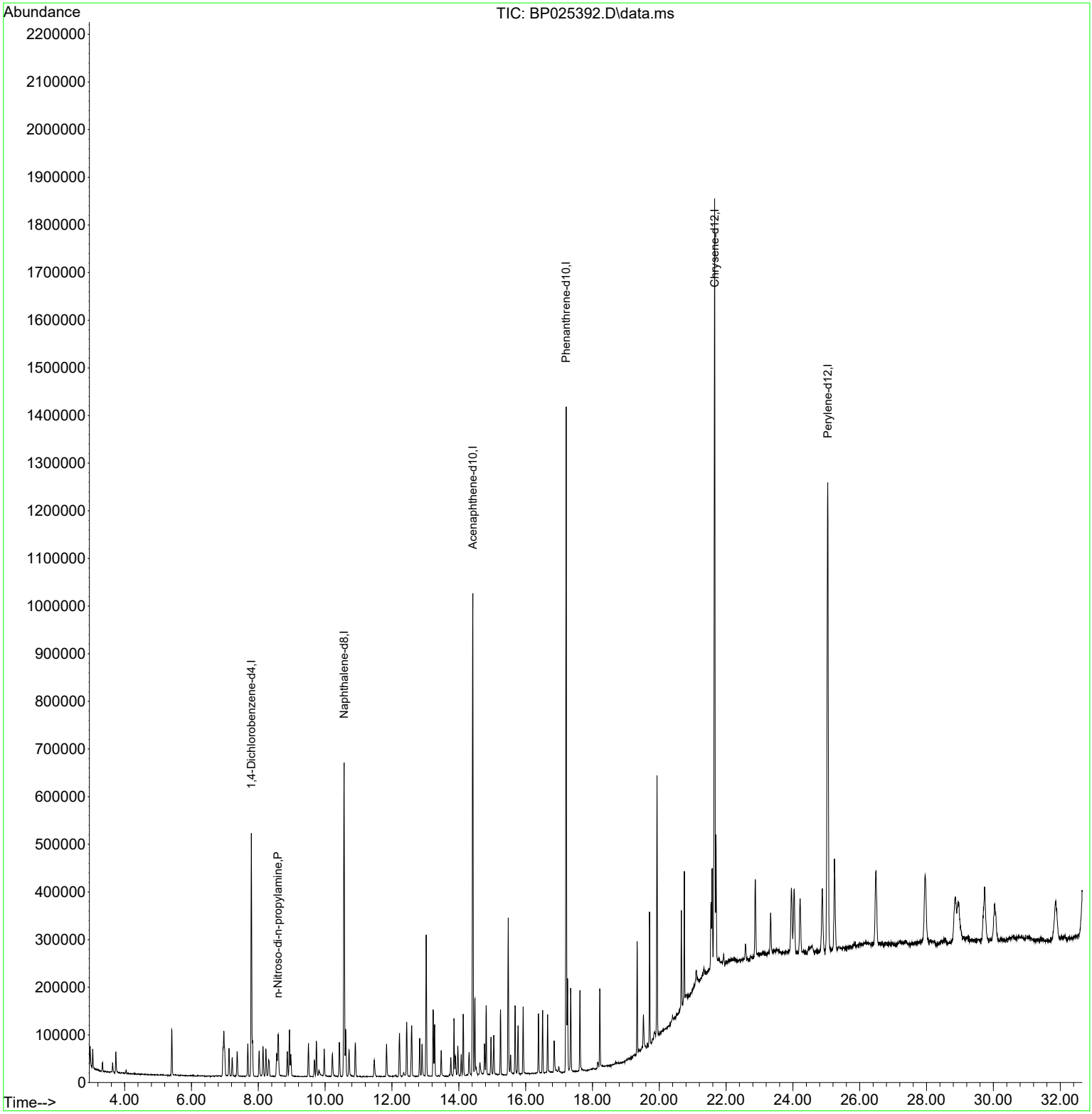
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	140275	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	567766	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	380728	20.000	ng	0.01
64) Phenanthrene-d10	17.213	188	796256	20.000	ng	0.01
76) Chrysene-d12	21.660	240	884747	20.000	ng	0.01
86) Perylene-d12	25.042	264	1005304	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.584	70	17781	2.476	ng	99

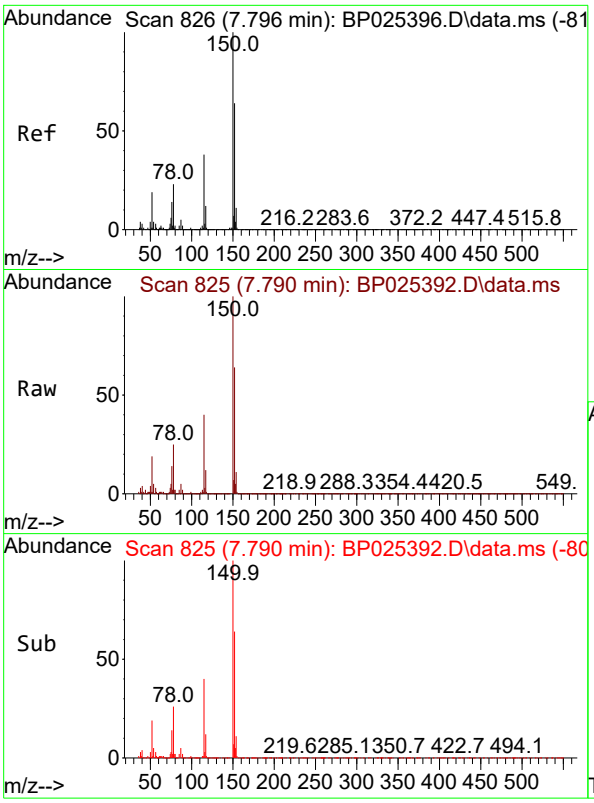
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025392.D
Acq On : 14 Aug 2025 12:33
Operator : CG/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 14 17:51:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



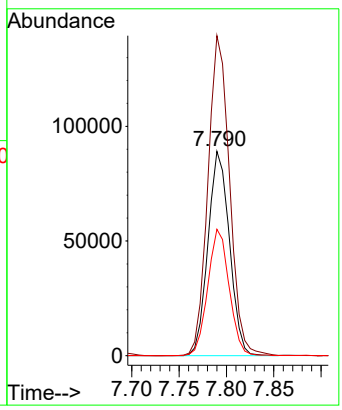


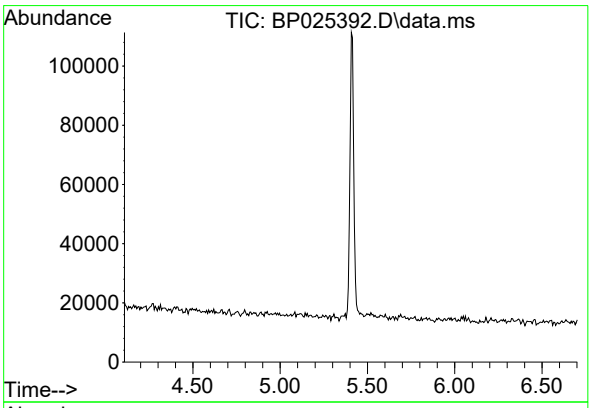
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 140275

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	61.9	48.5	72.7



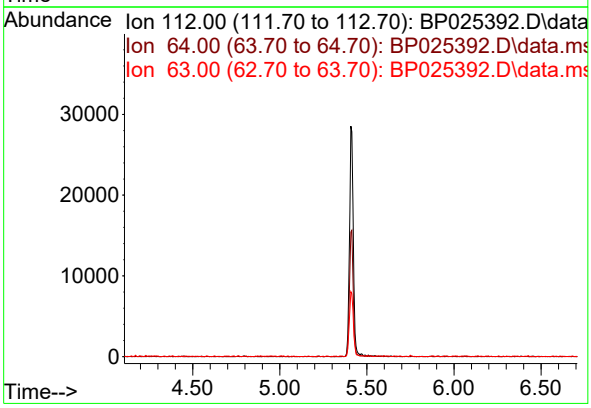


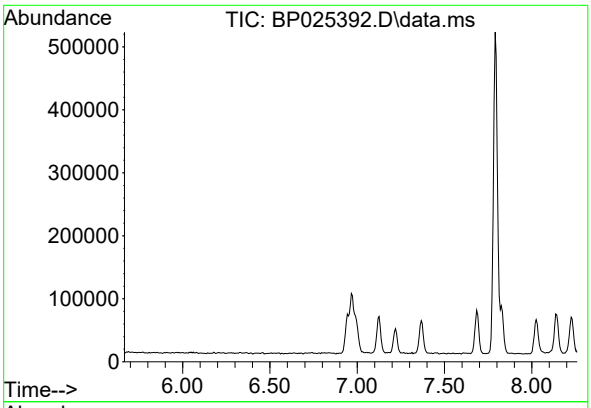
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	54.8
63	28.4





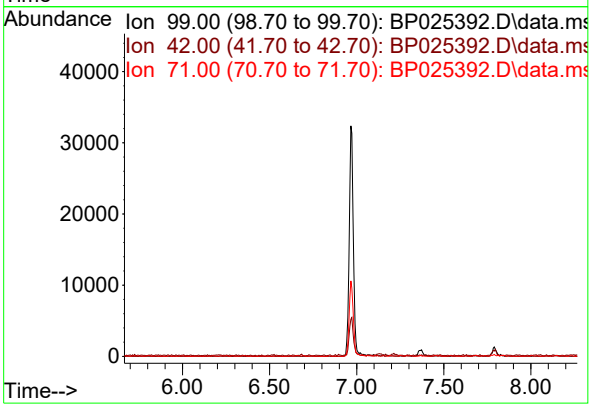
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.97 min

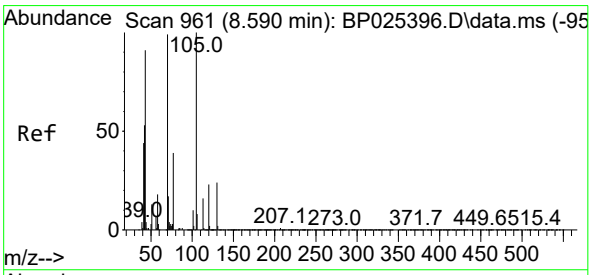
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.1
71	35.3

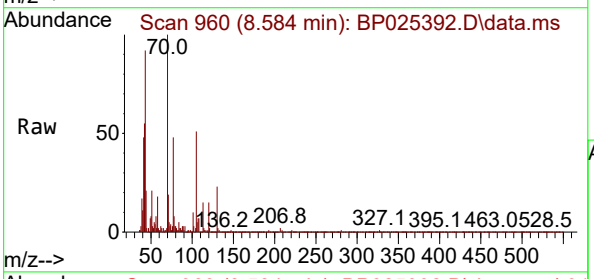


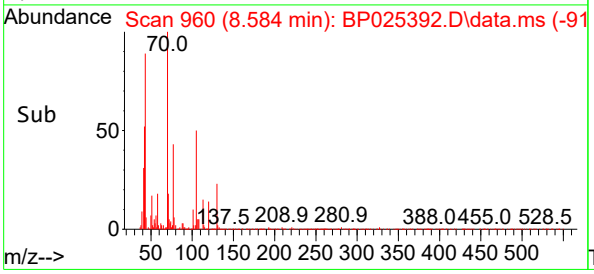


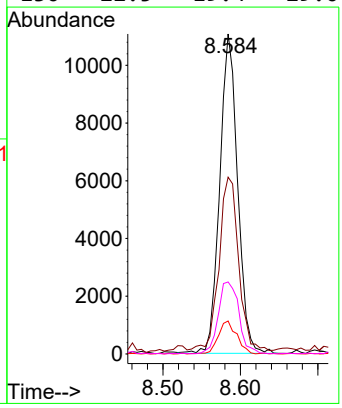
#19
n-Nitroso-di-n-propylamine
Concen: 2.476 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

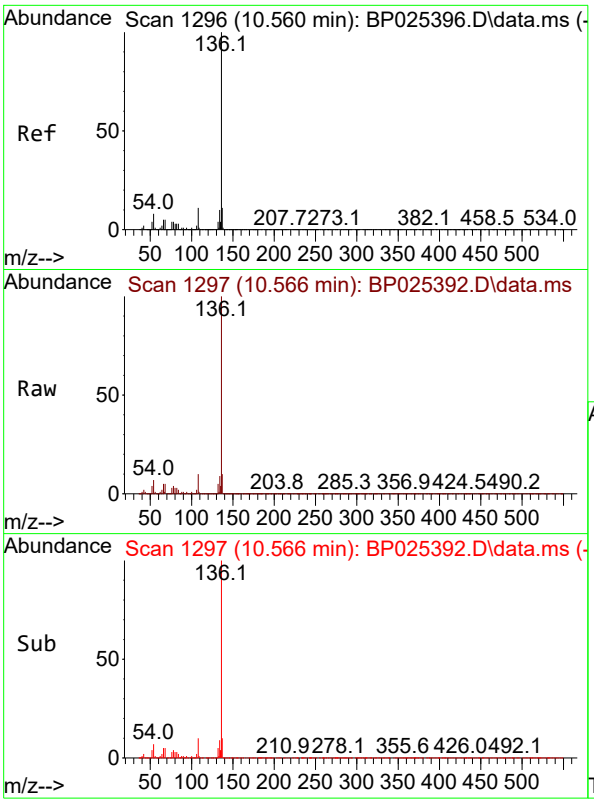
Tgt Ion: 70 Resp: 17781

Ion	Ratio	Lower	Upper
70	100		
42	55.2	43.8	65.6
101	10.3	8.5	12.7
130	22.5	19.4	29.0







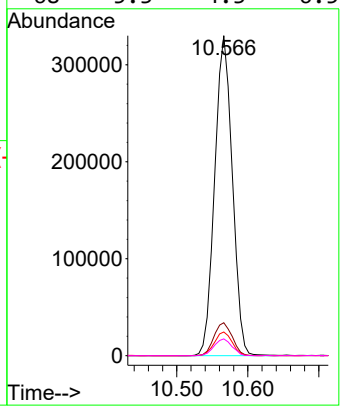


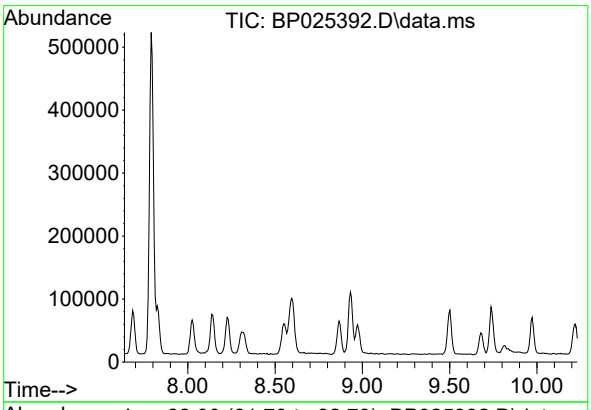
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 567766

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	7.4	6.0	9.0
68	5.3	4.3	6.5



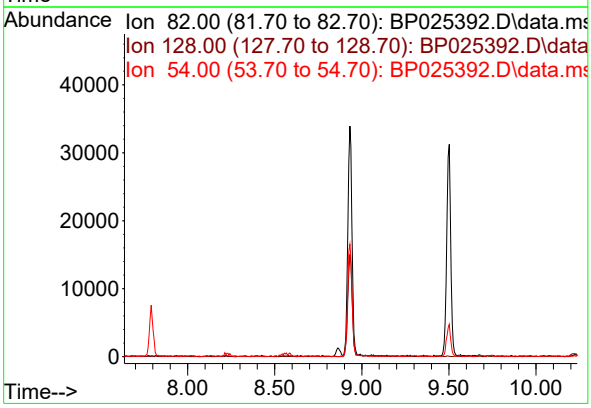


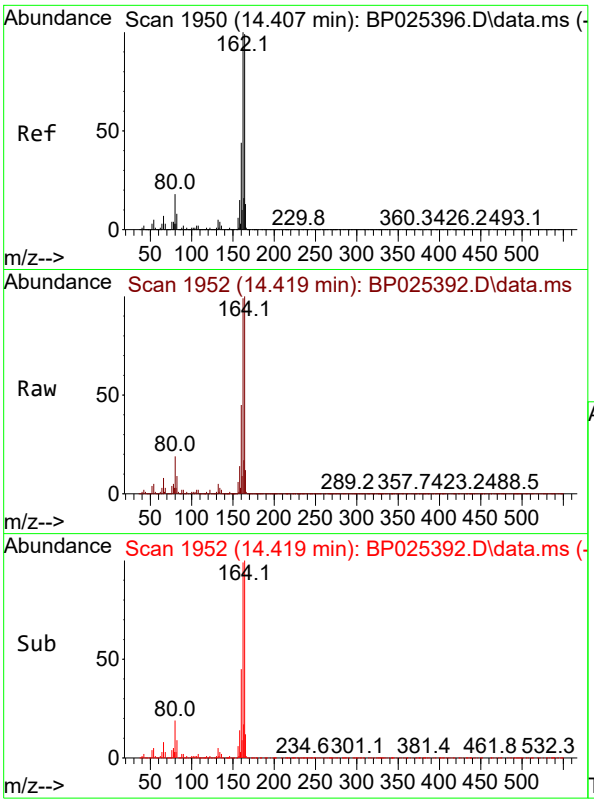
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.94 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	47.1
54	49.7



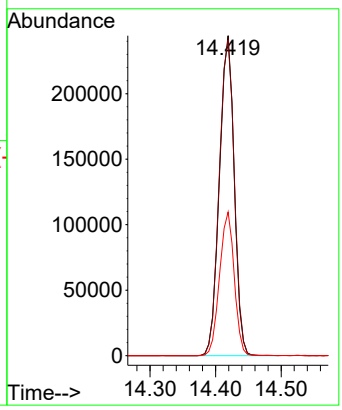


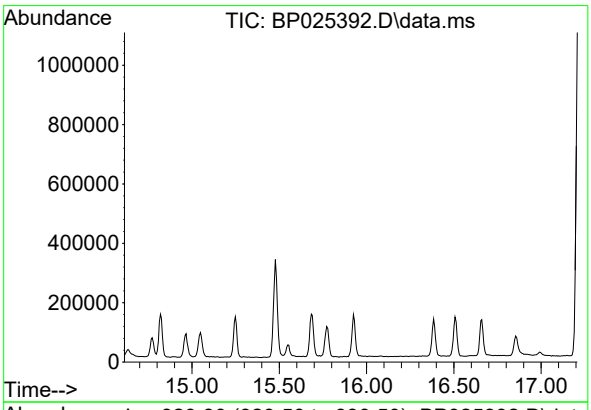
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 380728

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.9	35.4	53.2



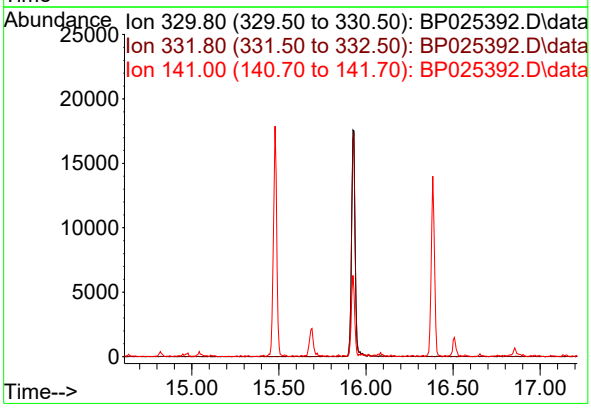


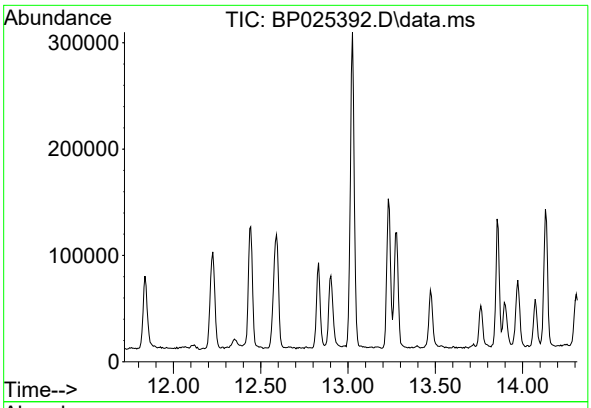
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	33.2





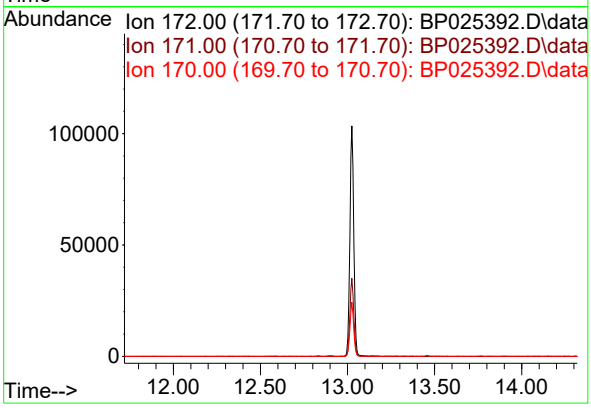
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

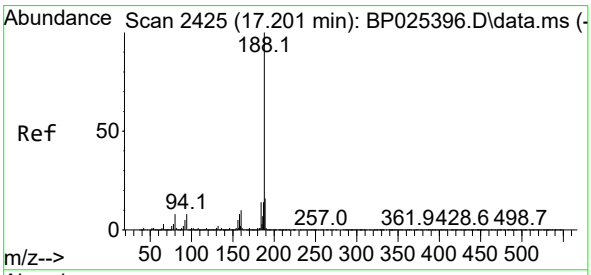
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

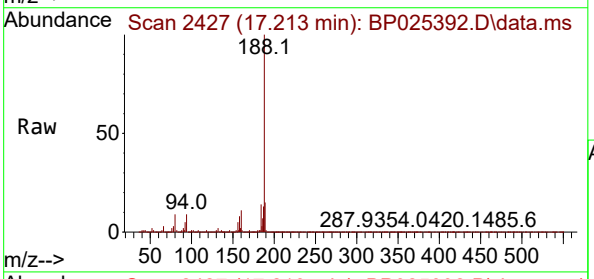
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

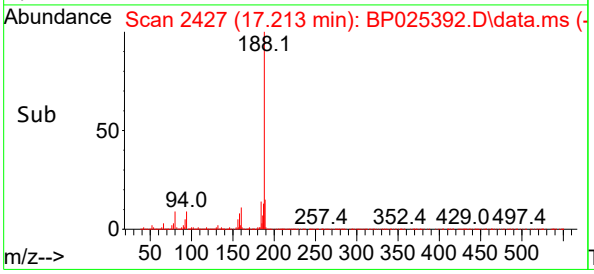
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.1
170	23.3





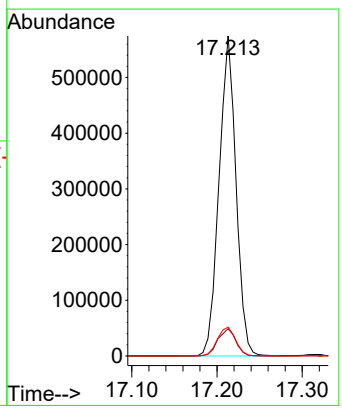


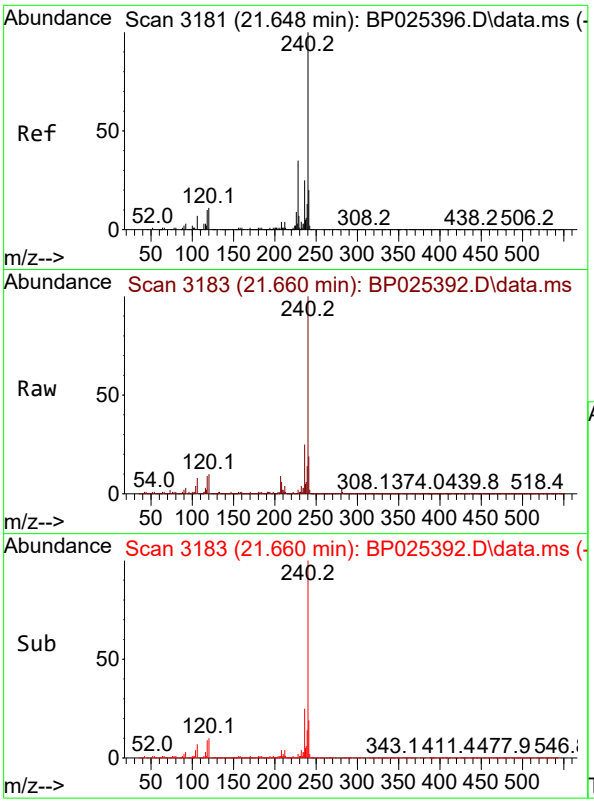


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion:188 Resp: 796256

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.0	6.7	10.1



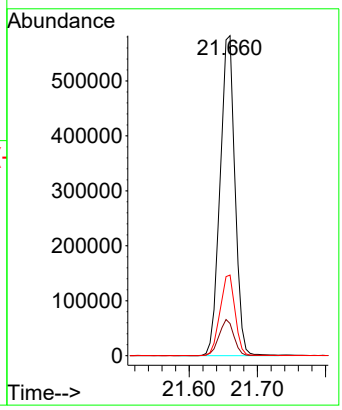


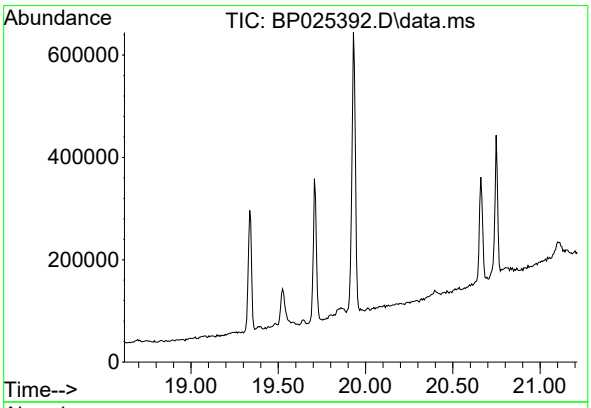
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 884747

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.2	19.8	29.8



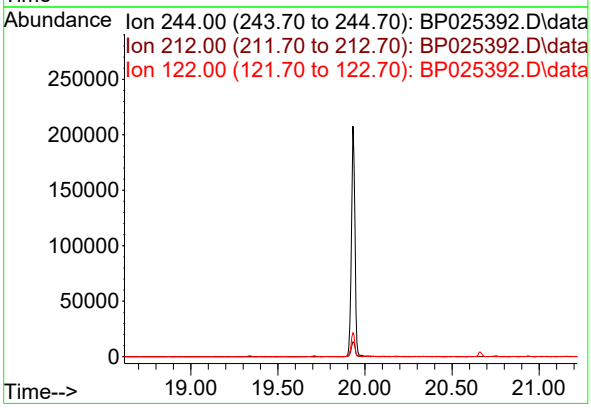


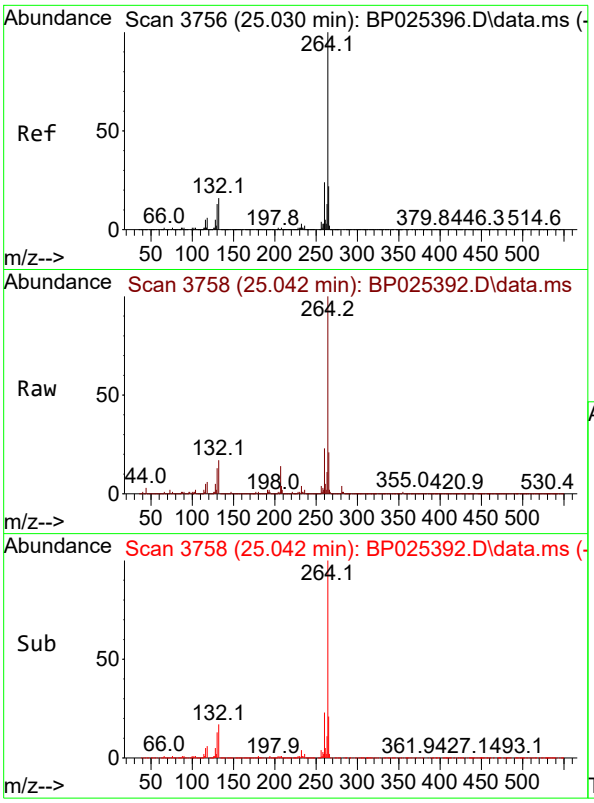
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	9.3



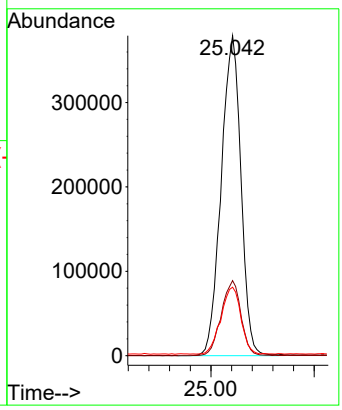


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025392.D
Acq: 14 Aug 2025 12:33

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1005304

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.4	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng		0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng		0.00
86) Perylene-d12	25.036	264	963881	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	80645	10.227	ng		0.00
7) Phenol-d6	6.966	99	97106	9.605	ng		0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng		0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng		95
3) Pyridine	3.731	79	47347	5.600	ng		95
6) Aniline	7.119	93	68694	5.043	ng		100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng		98
10) Phenol	6.990	94	52186	4.919	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng		98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng		96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng		97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng		98
17) 2-Methylphenol	8.225	107	35186	4.776	ng		96
18) Hexachloroethane	8.866	117	18905	5.127	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng		95
22) Acetophenone	8.602	105	70986	5.134	ng	#	96
24) Nitrobenzene	8.972	77	48234	4.951	ng		99
25) Isophorone	9.496	82	101112	5.242	ng		98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng		95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng		98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng		94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng		97
31) Naphthalene	10.613	128	147346	5.141	ng		99
33) 4-Chloroaniline	10.713	127	62452	4.933	ng		96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng		91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng		97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng		95
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng		95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng		98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng		99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng		98
49) Acenaphthylene	14.125	152	187026	5.095	ng		99
50) Dimethylphthalate	13.860	163	153868	5.355	ng		99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.472	154	112730m	5.232	ng	
53) 3-Nitroaniline	14.301	138	31224	4.583	ng	85
55) Dibenzofuran	14.813	168	178494	5.240	ng	99
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng	94
58) Fluorene	15.472	166	147760	5.497	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng	99
60) Diethylphthalate	15.237	149	158426	5.426	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng	99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng	90
63) Azobenzene	15.760	77	128978	5.159	ng	99
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng	97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng	98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng	98
69) Atrazine	16.648	200	46750	5.015	ng	96
71) Phenanthrene	17.248	178	237107	5.287	ng	98
72) Anthracene	17.342	178	236938	5.174	ng	99
73) Carbazole	17.619	167	220112	5.103	ng	98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng	99
75) Fluoranthene	19.336	202	279497	5.225	ng	99
78) Pyrene	19.713	202	299922	5.377	ng	98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng	99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng	100
83) Chrysene	21.701	228	277175	5.229	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng	97
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng	98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng	99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng	98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng	100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 14 17:52:32 2025
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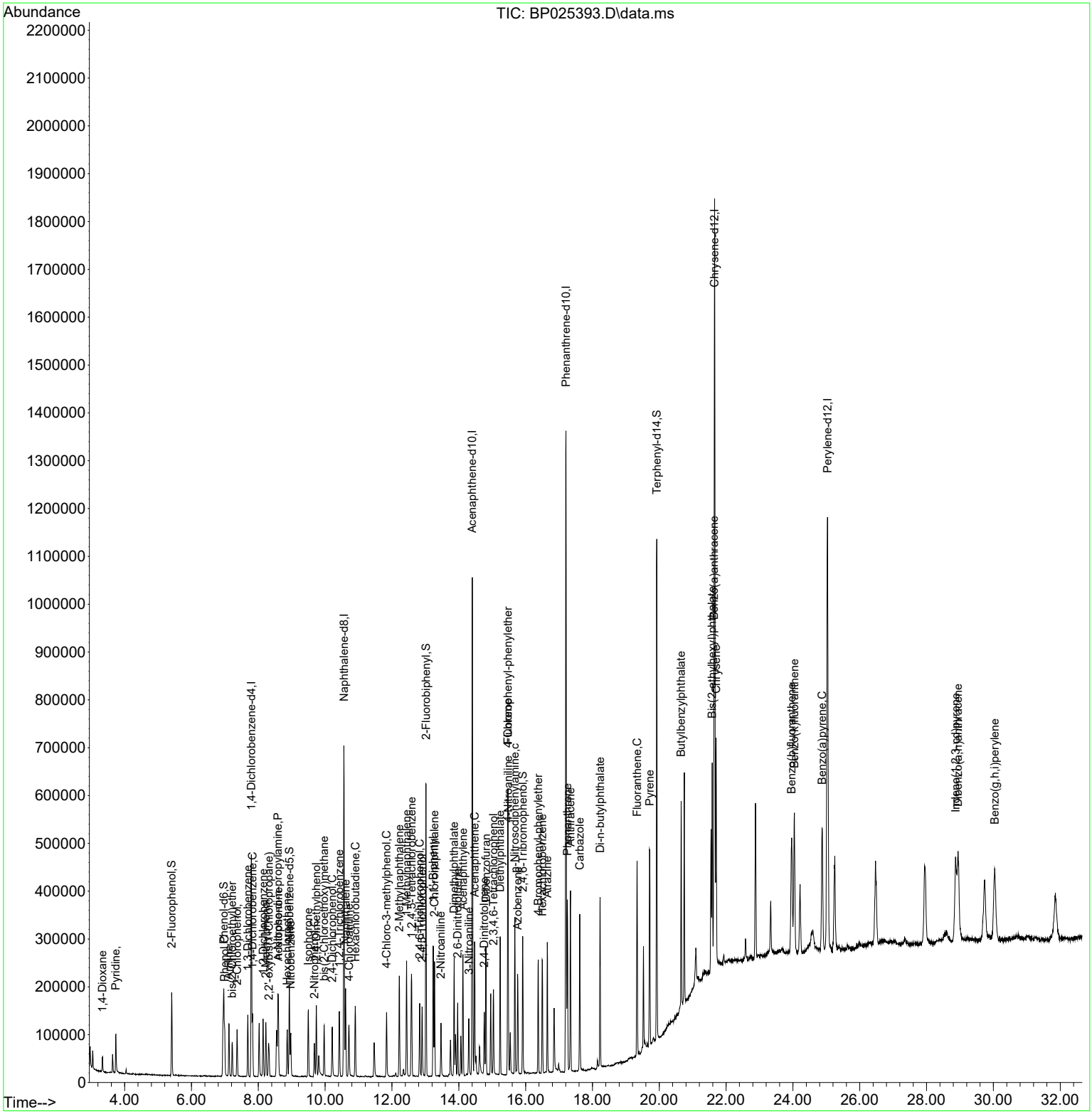
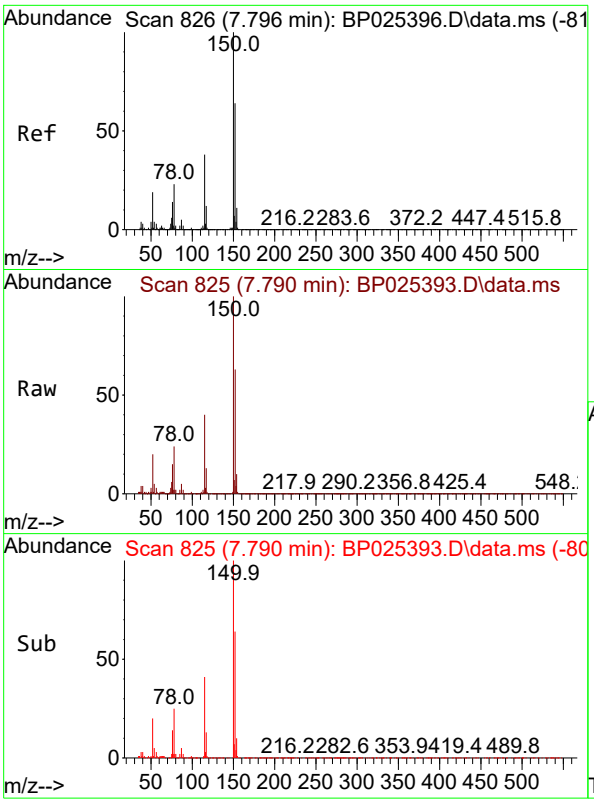
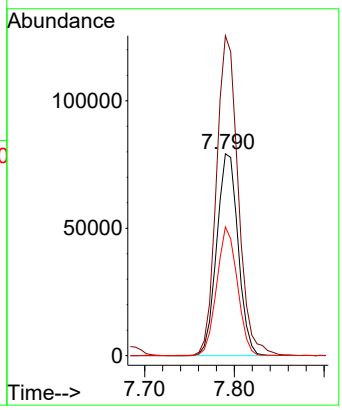




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:152 Resp: 13095

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	63.8	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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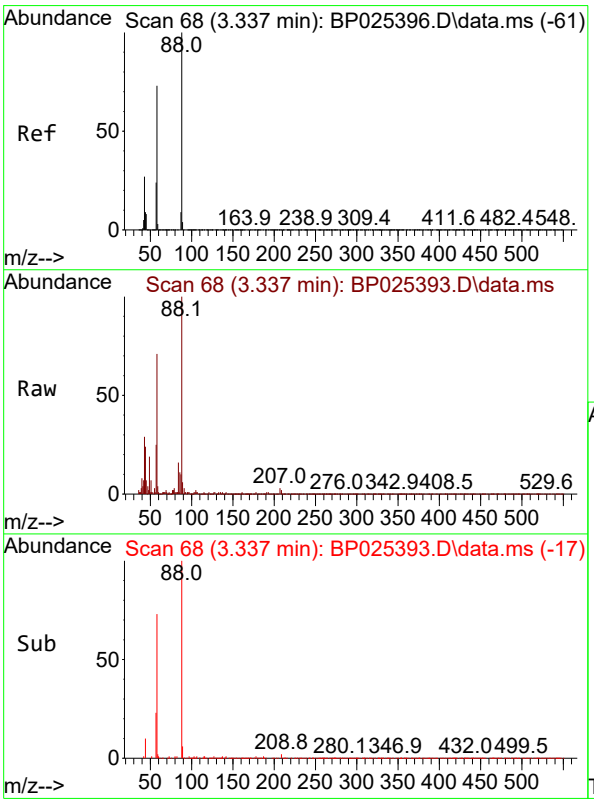
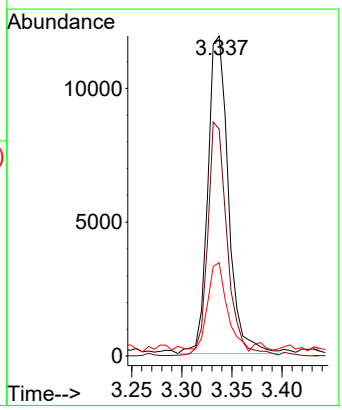
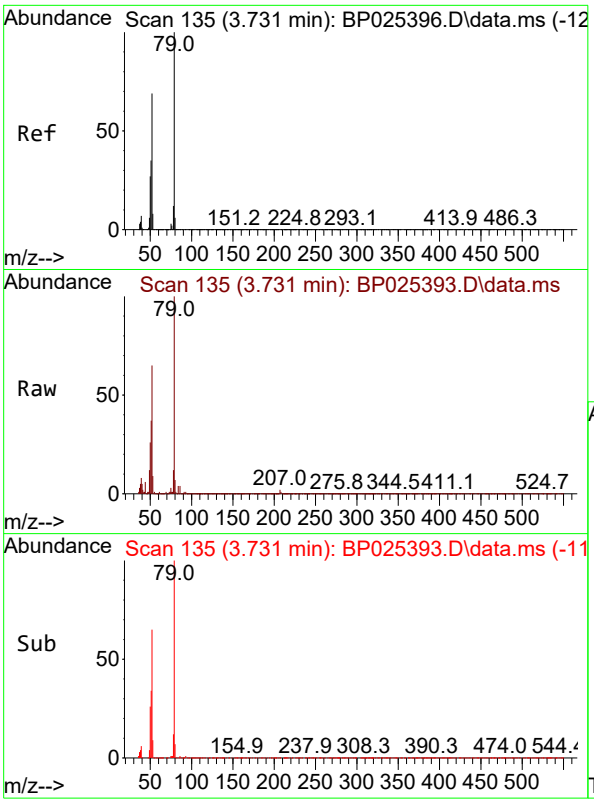


#2
1,4-Dioxane
Concen: 5.509 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 88 Resp: 17016

Ion	Ratio	Lower	Upper
88	100		
58	69.1	59.2	88.8
43	26.1	21.7	32.5

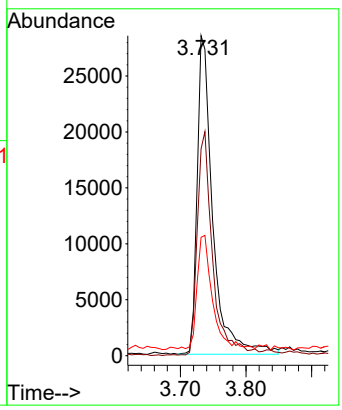




#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 79 Resp: 4734

Ion	Ratio	Lower	Upper
79	100		
52	64.7	55.5	83.3
51	37.0	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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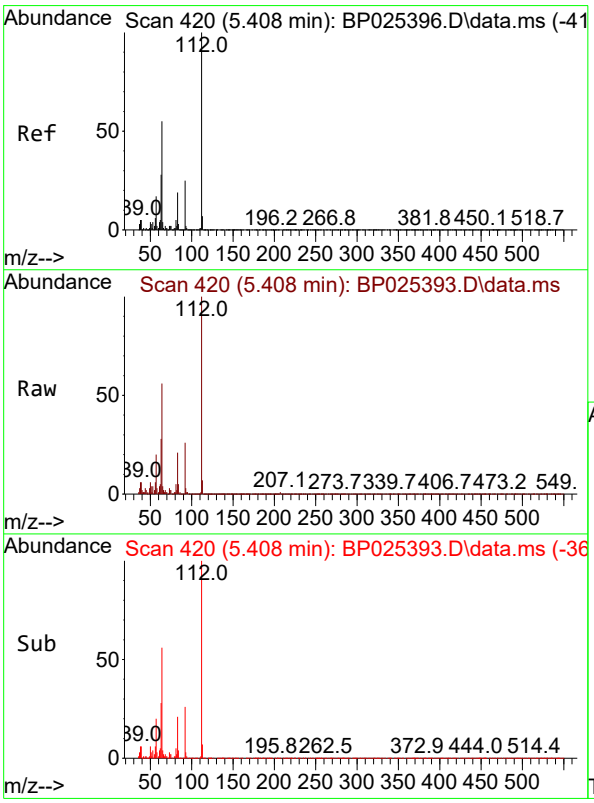
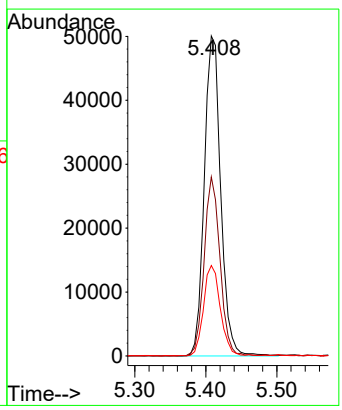
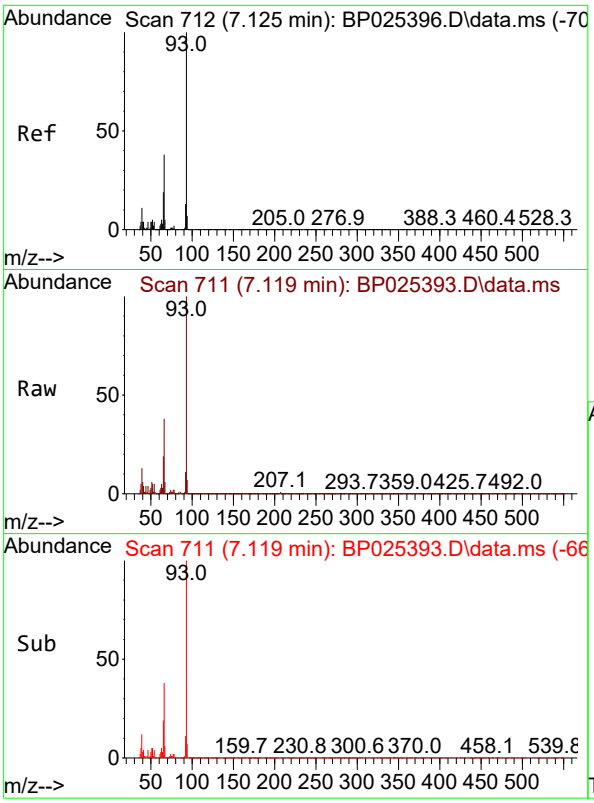


#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:112 Resp: 80645

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1

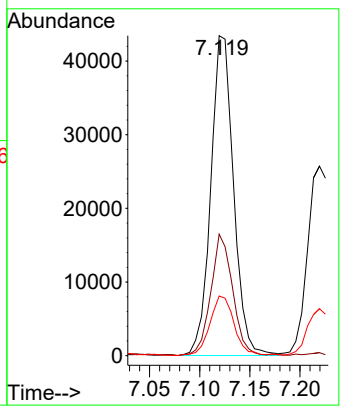




#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 6869

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.6	15.3	22.9



Instrument :
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ClientSampleId :
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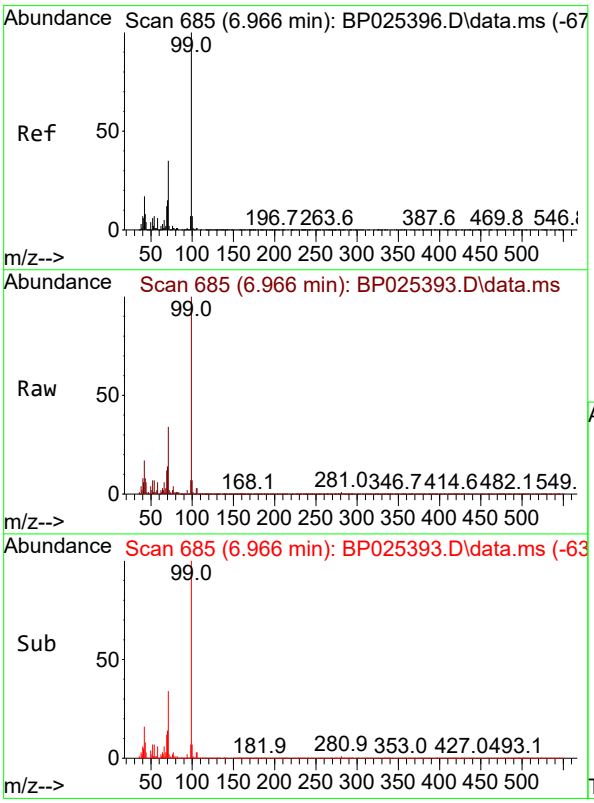
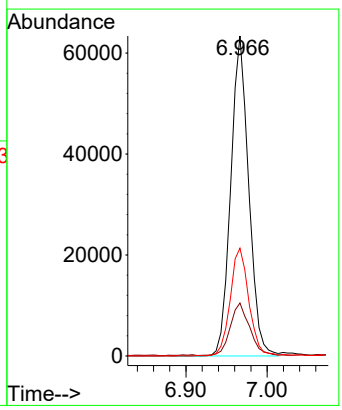
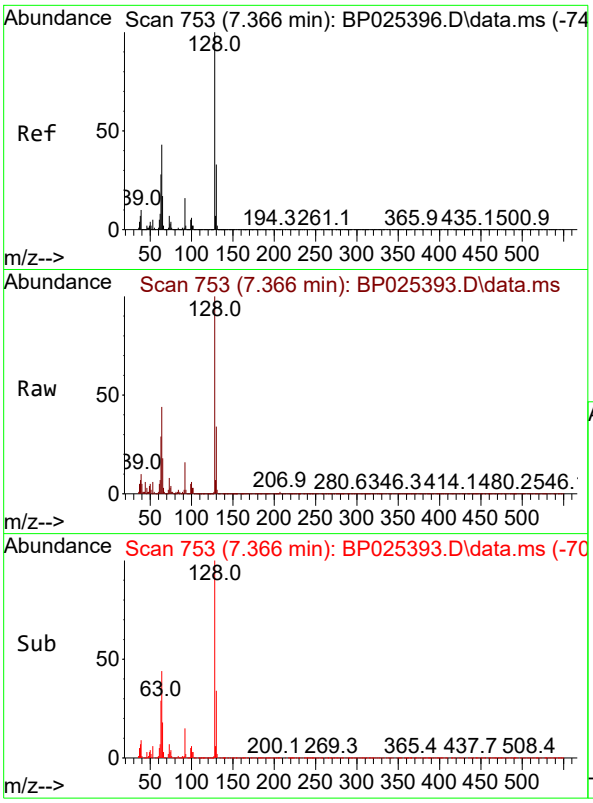


#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 99 Resp: 97106

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	33.7	28.2	42.4

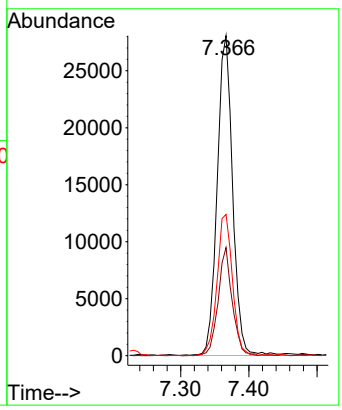




#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:128 Resp: 4421

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4



Instrument :
BNA_P
ClientSampleId :
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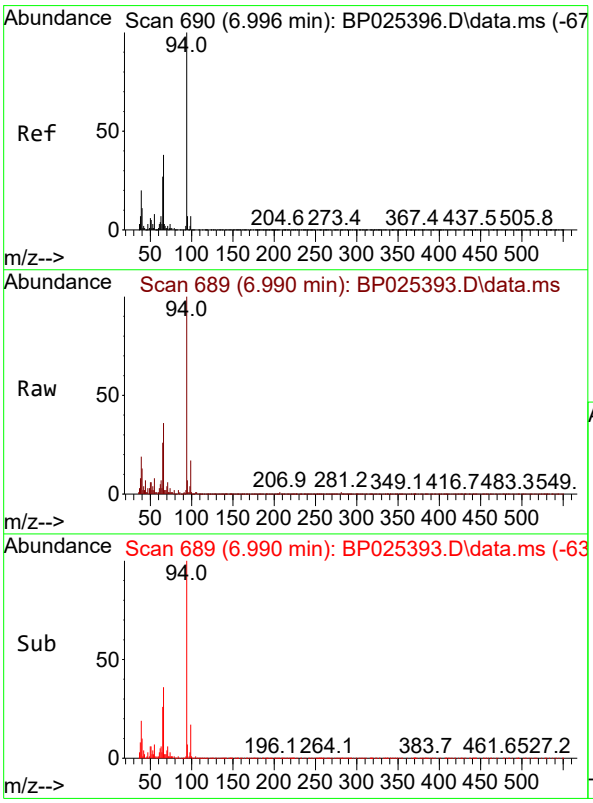
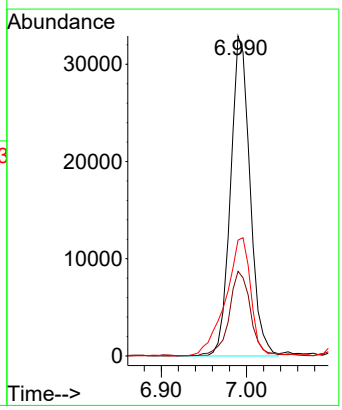
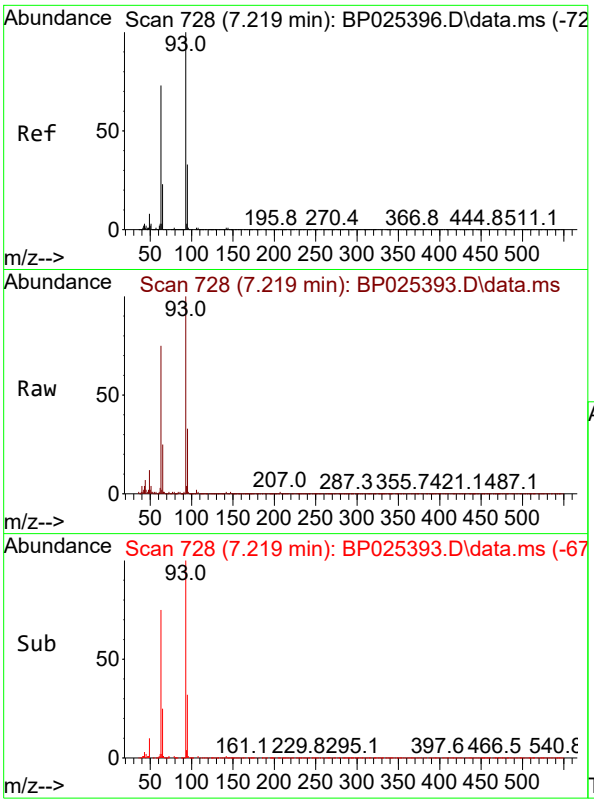


#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 94 Resp: 52186

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.8	46.8
66	36.2	18.2	58.2

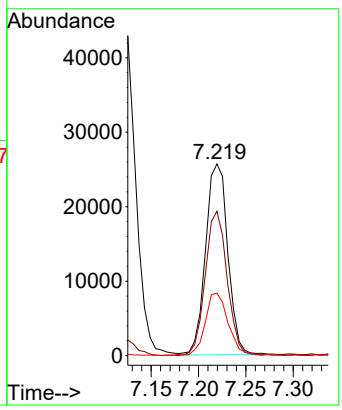




#11
bis(2-Chloroethyl)ether
Concen: 5.079 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 4199

Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7



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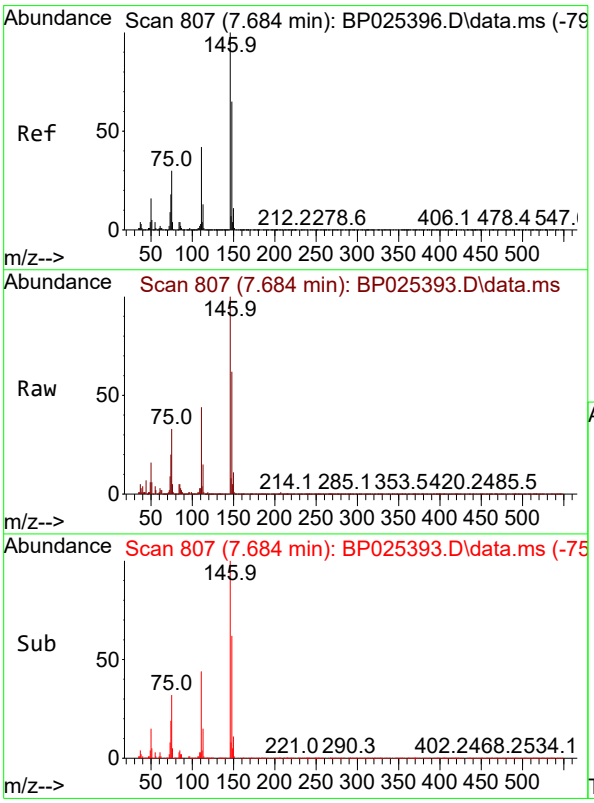
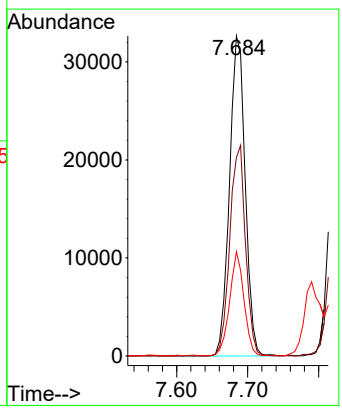
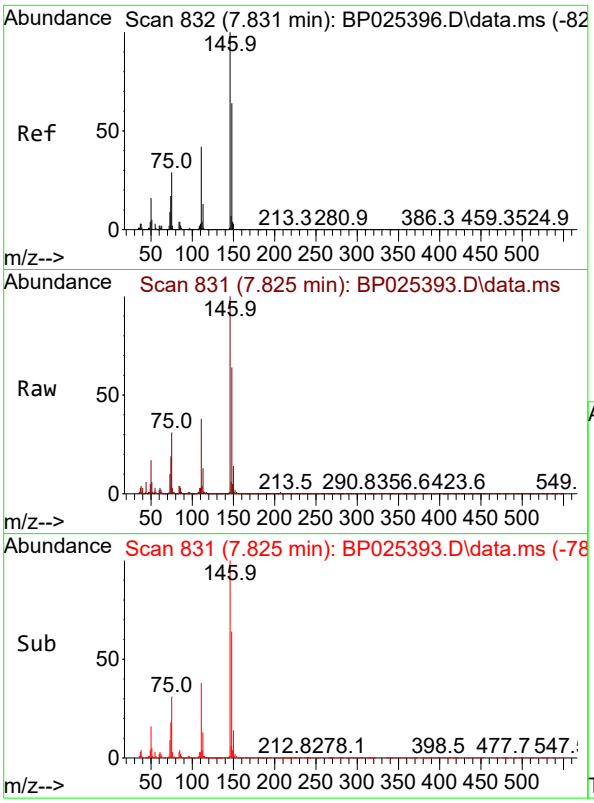


#12
1,3-Dichlorobenzene
Concen: 5.111 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50146

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5

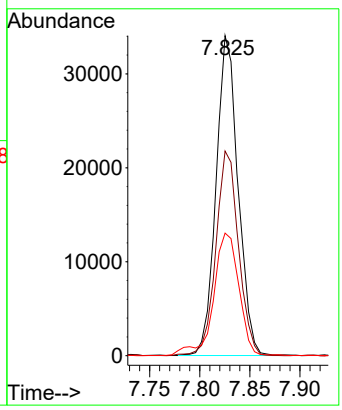




#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 5194

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
111	38.3	33.4	50.0



Instrument :
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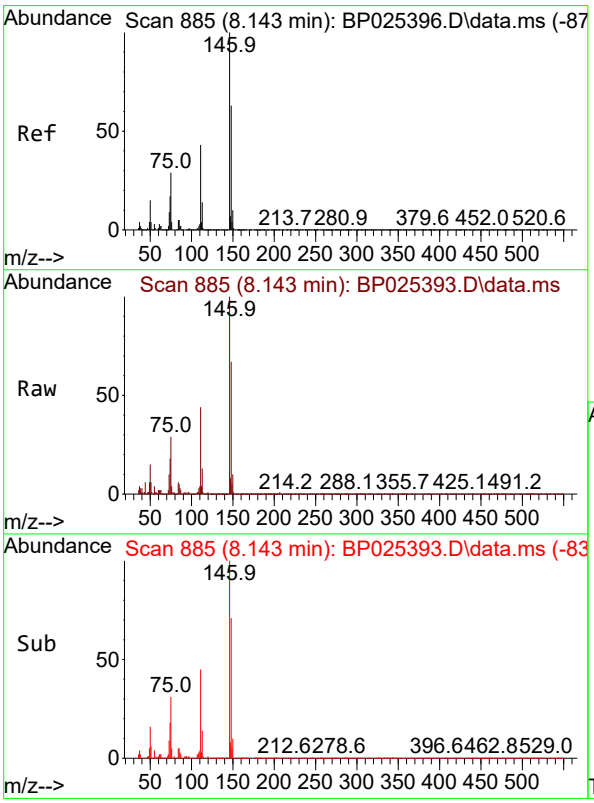
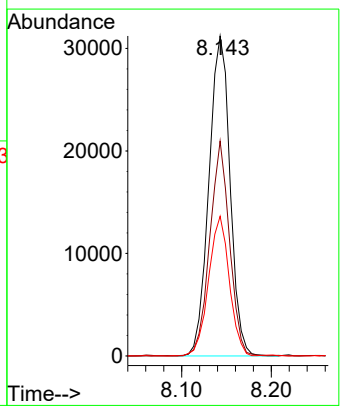
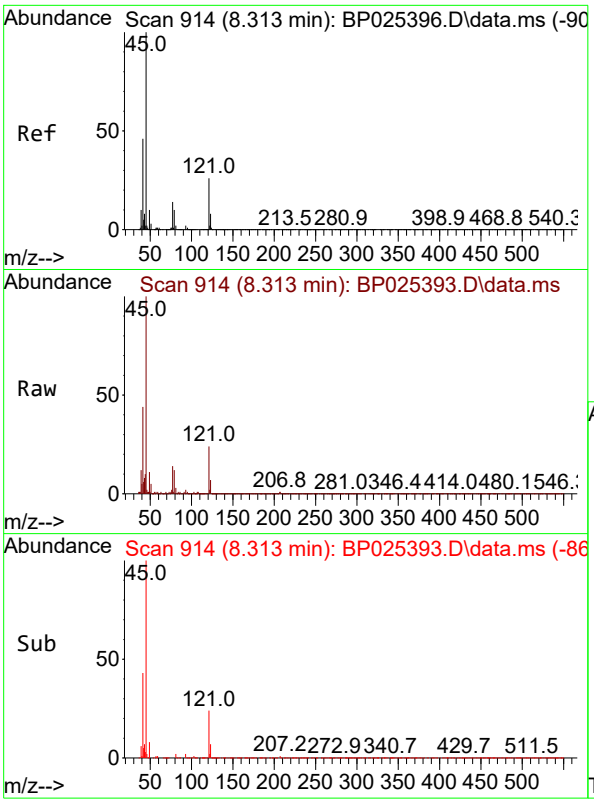


#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995

Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.4	75.6
111	43.7	34.5	51.7





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 45 Resp: 5768

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	35.3
79	12.4	0.0	31.8

Instrument :
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ClientSampleId :
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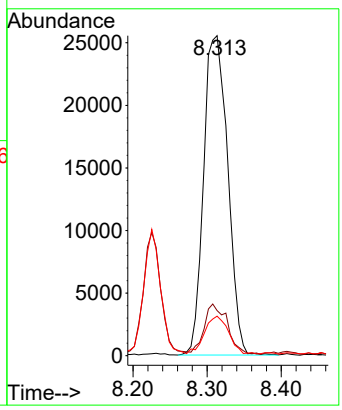
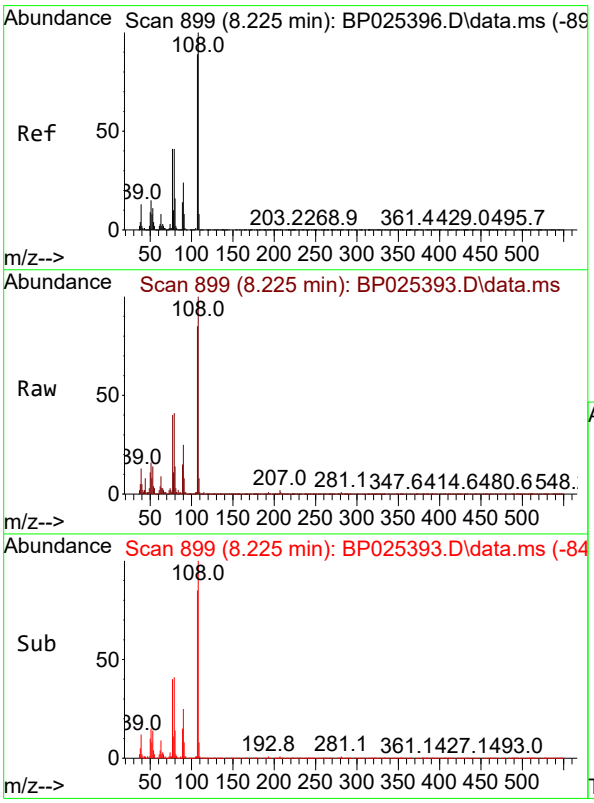
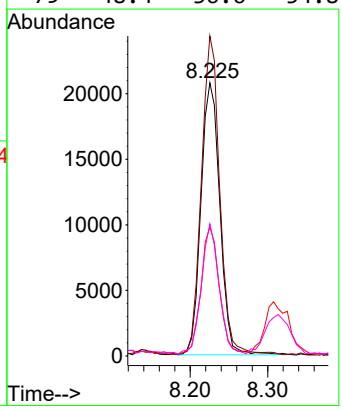


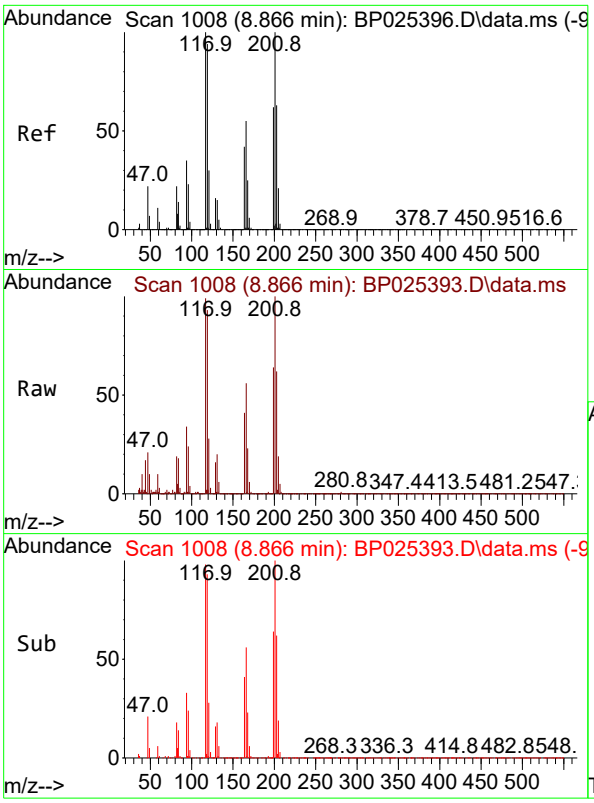


#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 35186

Ion	Ratio	Lower	Upper
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8

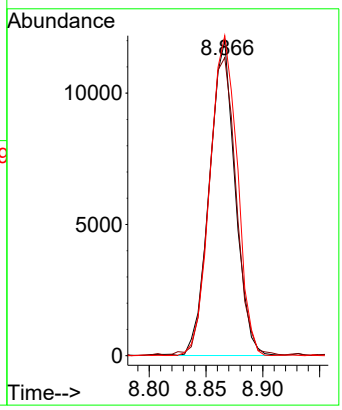




#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:117 Resp: 1890

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	101.5	80.1	120.1



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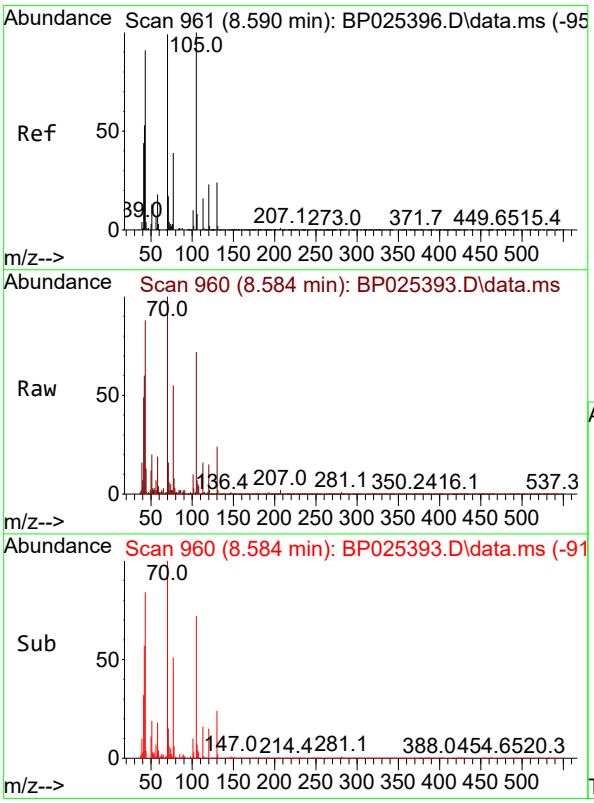
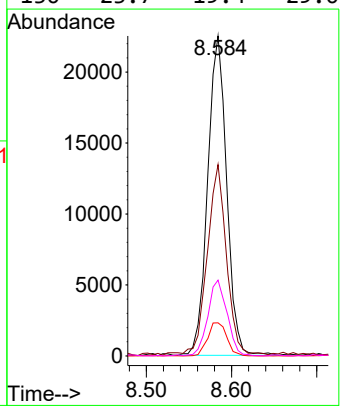
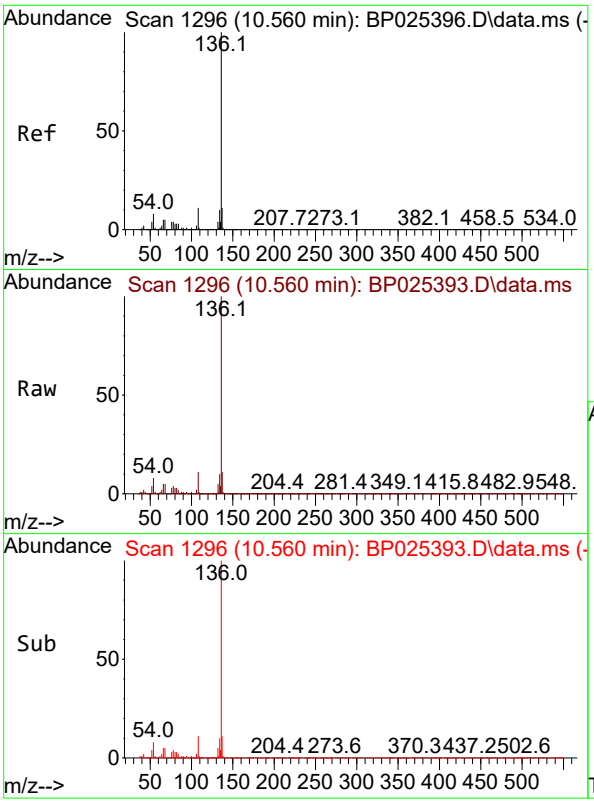


#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 960
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 70 Resp: 34898

Ion	Ratio	Lower	Upper
70	100		
42	59.8	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0

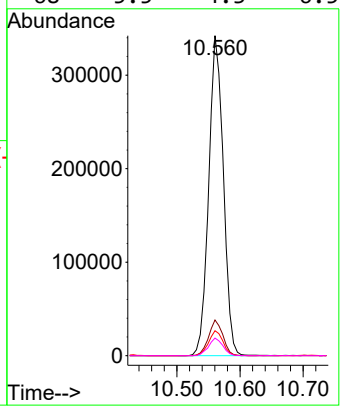




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:136 Resp: 55138

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



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ClientSampleId :
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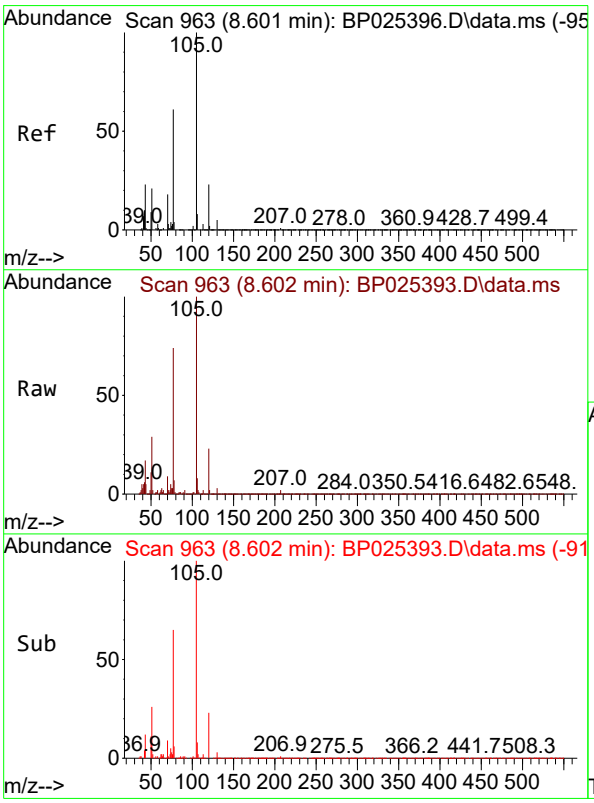
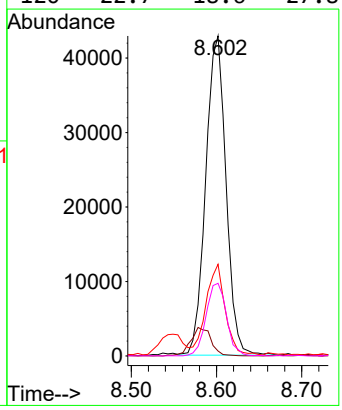
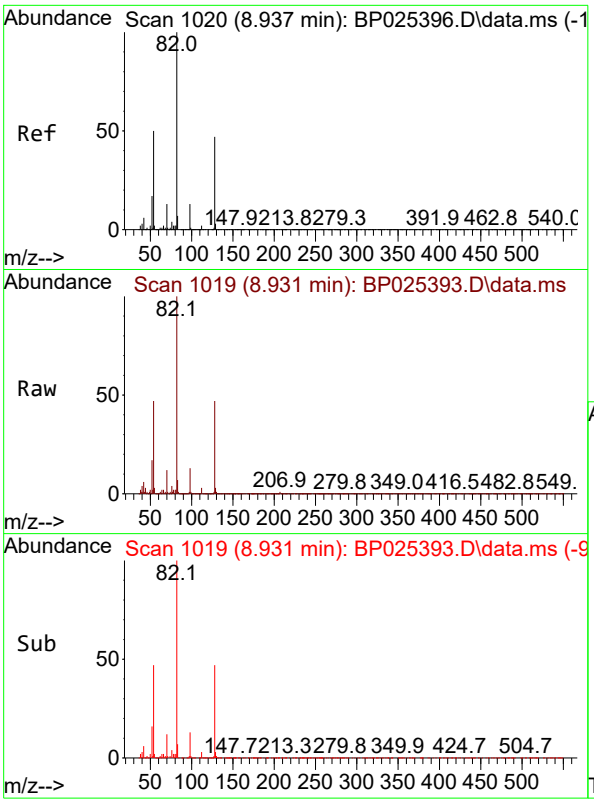


#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:105 Resp: 70986

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8

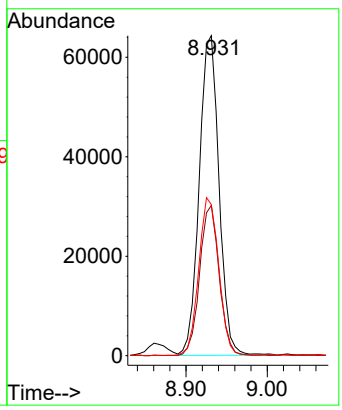




#23
Nitrobenzene-d5
Concen: 9.983 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 82 Resp: 10881

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	47.2	39.8	59.6



Instrument :
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ClientSampleId :
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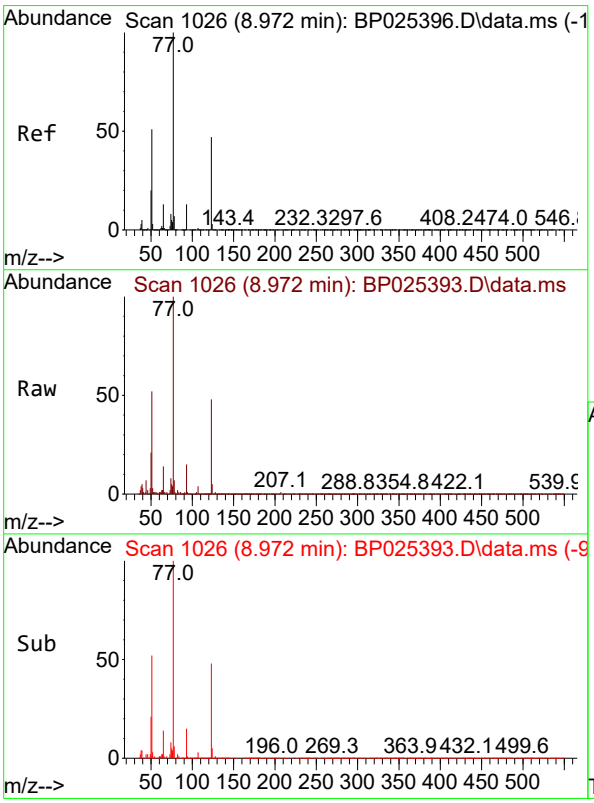
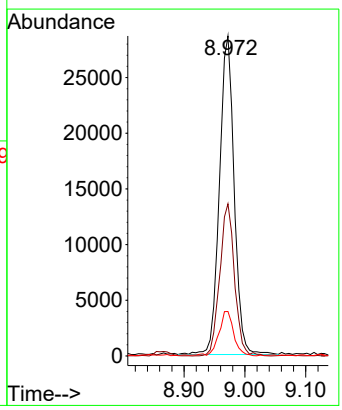
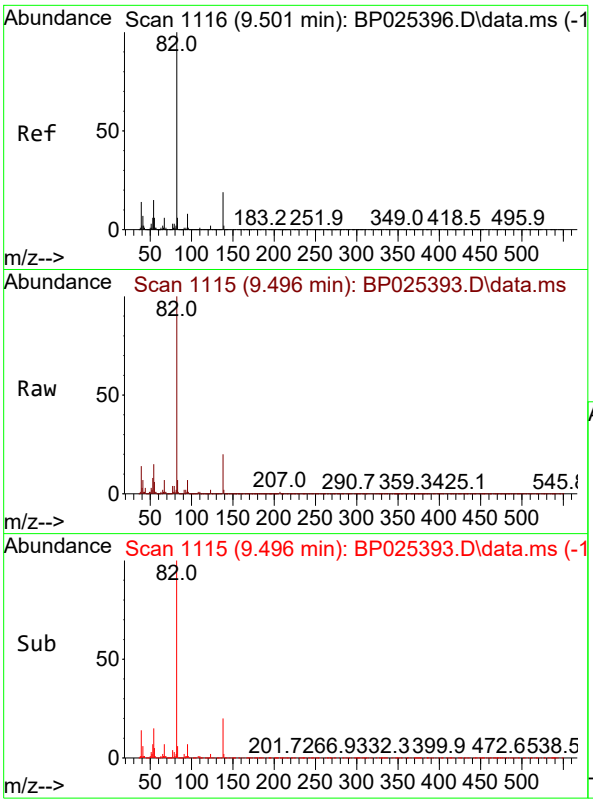


#24
Nitrobenzene
Concen: 4.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 48234

Ion	Ratio	Lower	Upper
77	100		
123	47.6	38.6	58.0
65	13.9	10.6	15.8

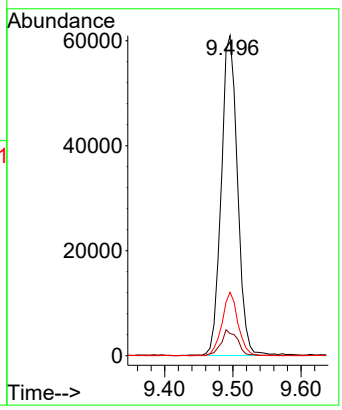




#25
Isophorone
Concen: 5.242 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 82 Resp: 10111

Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.4	9.6
138	19.8	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
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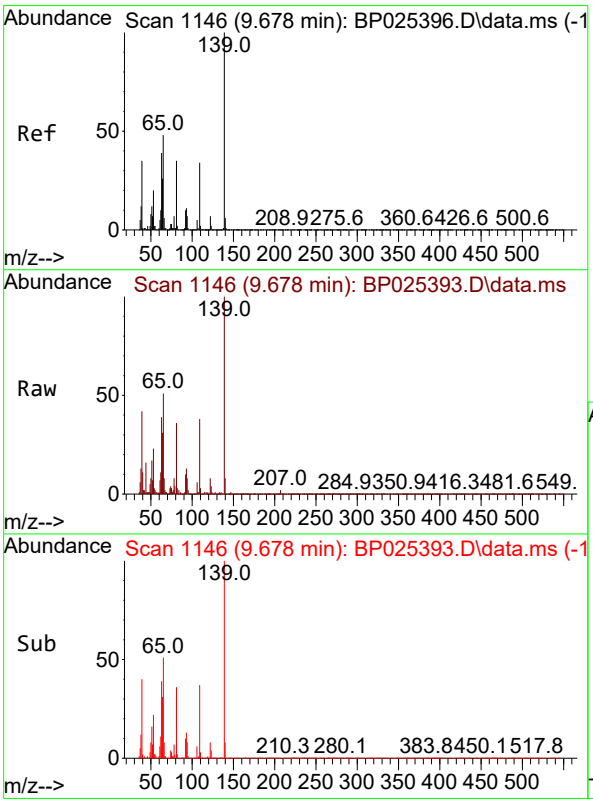
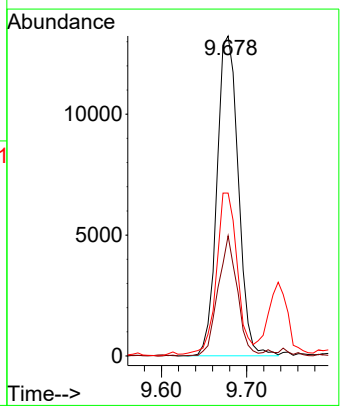
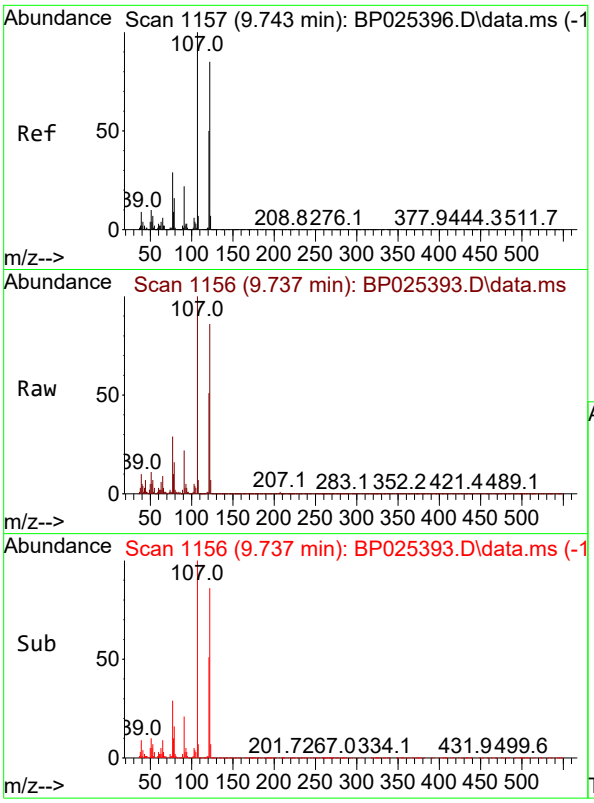


#26
2-Nitrophenol
Concen: 4.605 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 23020

Ion	Ratio	Lower	Upper
139	100		
109	37.5	26.9	40.3
65	50.9	38.3	57.5

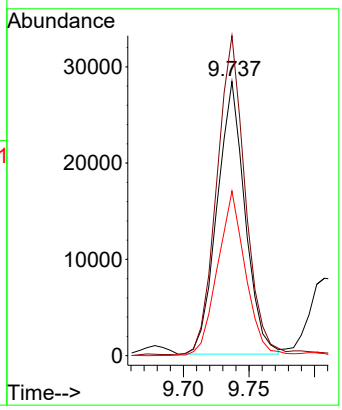




#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:122 Resp: 4179

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	60.0	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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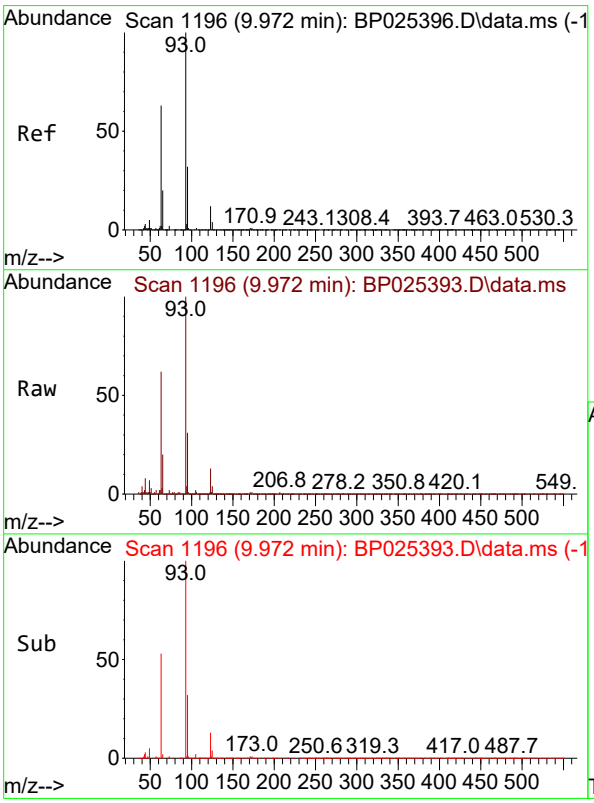
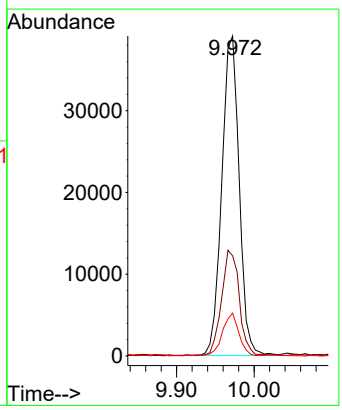
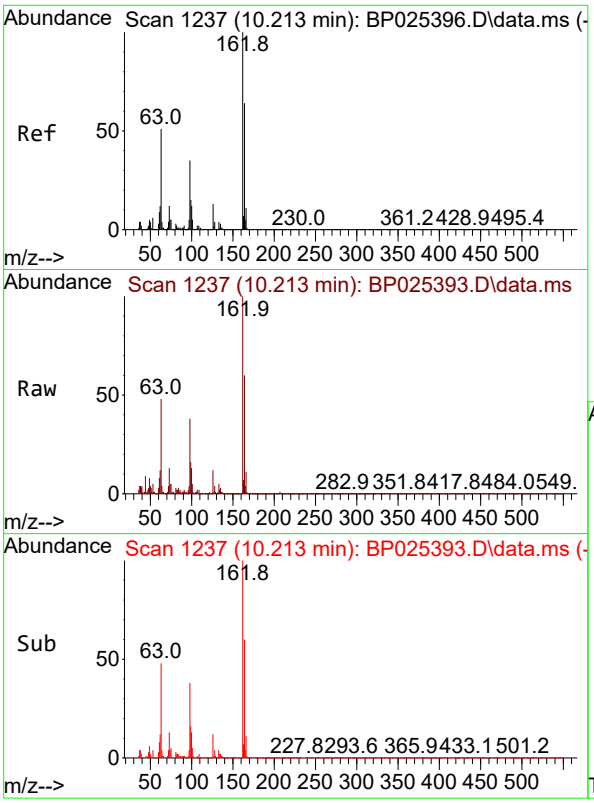


#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 61017

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.4	38.0
123	13.4	9.4	14.0

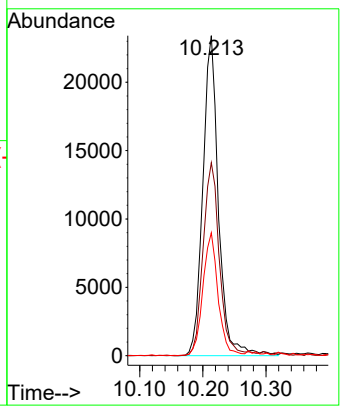




#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:162 Resp: 4033

Ion	Ratio	Lower	Upper
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9



Instrument :
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ClientSampleId :
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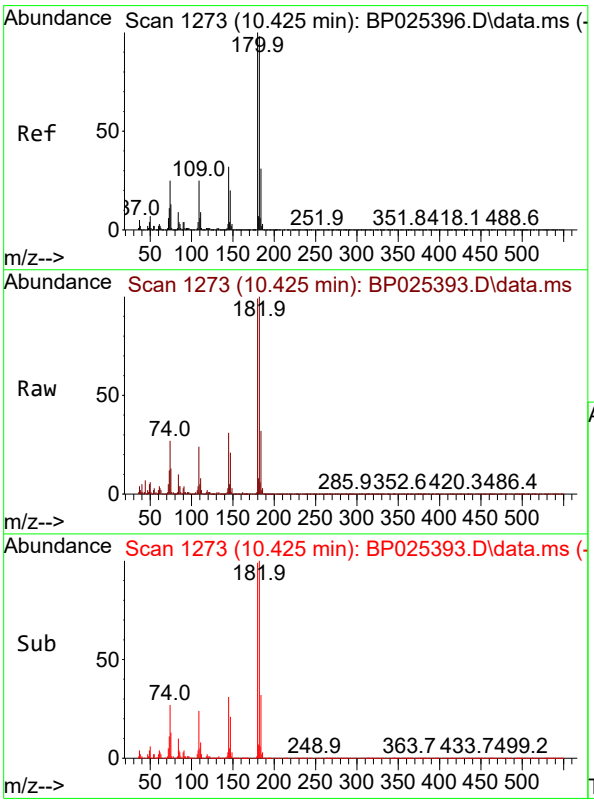
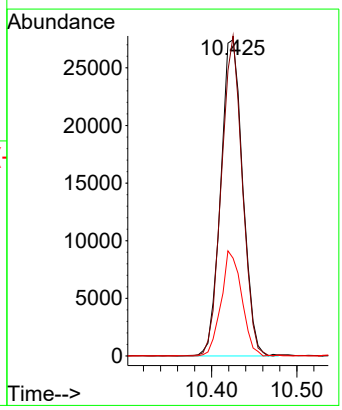
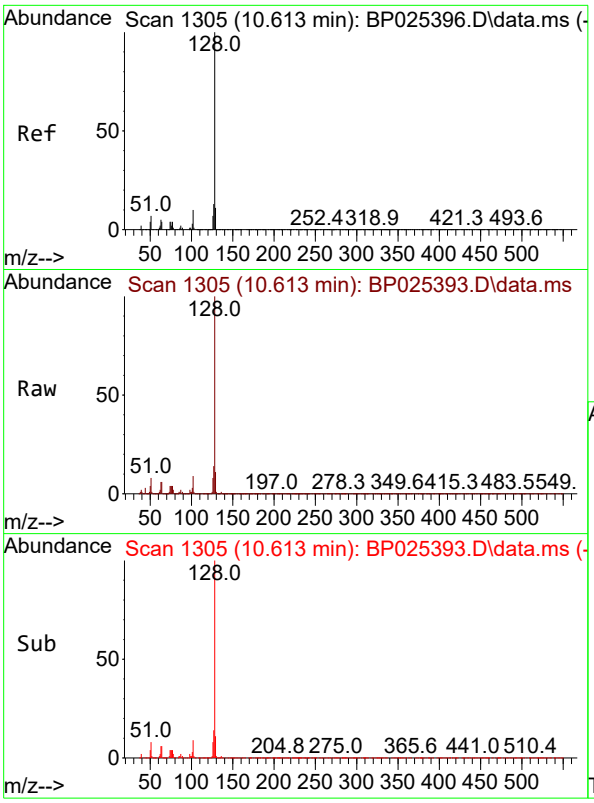


#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:180 Resp: 49237

Ion	Ratio	Lower	Upper
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9

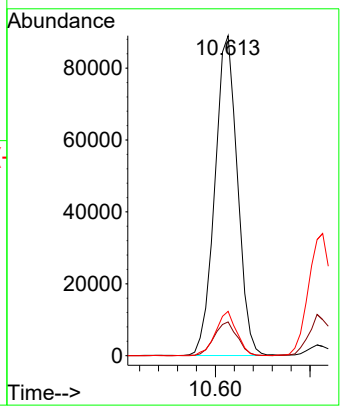




#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:128 Resp: 14734

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.9	10.7	16.1



Instrument :
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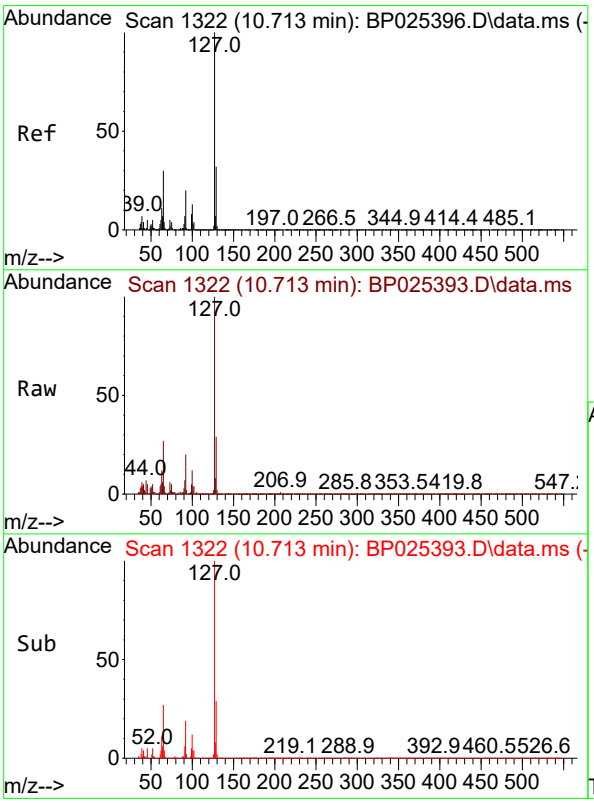
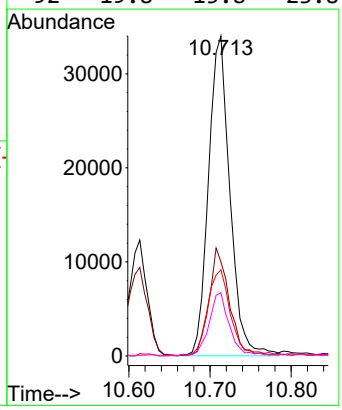
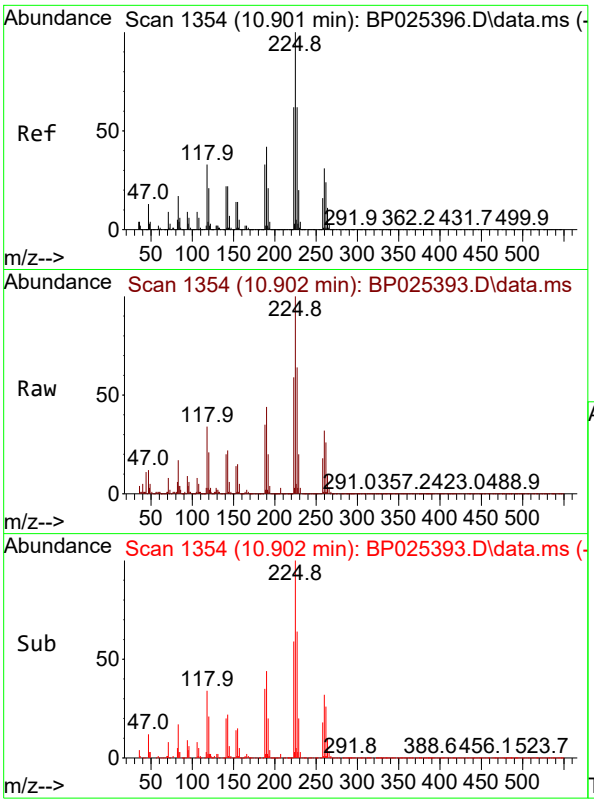


#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:127 Resp: 62452

Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.4	38.2
65	26.9	23.8	35.6
92	19.8	15.8	23.8

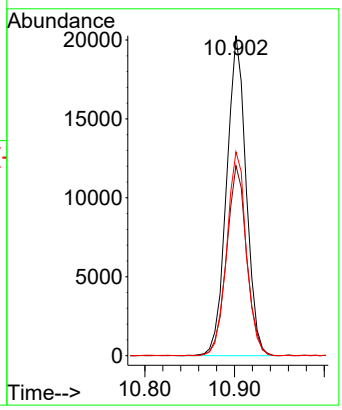




#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:225 Resp: 3055

Ion	Ratio	Lower	Upper
225	100		
223	59.4	50.0	75.0
227	66.3	49.7	74.5



Instrument :
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ClientSampleId :
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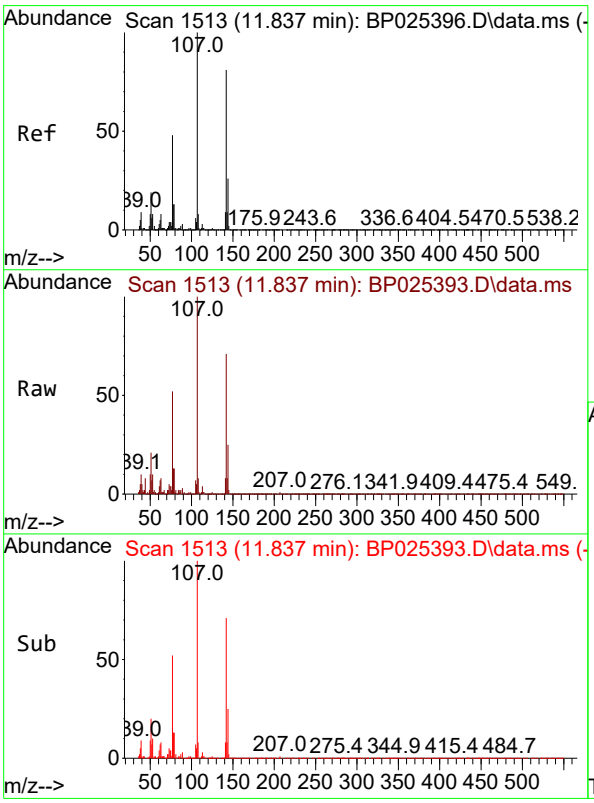
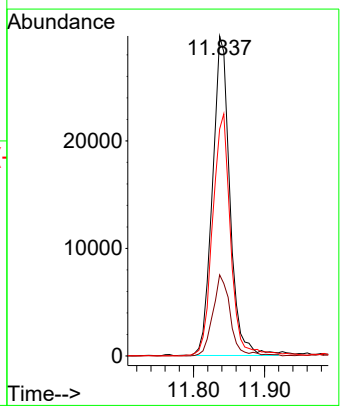
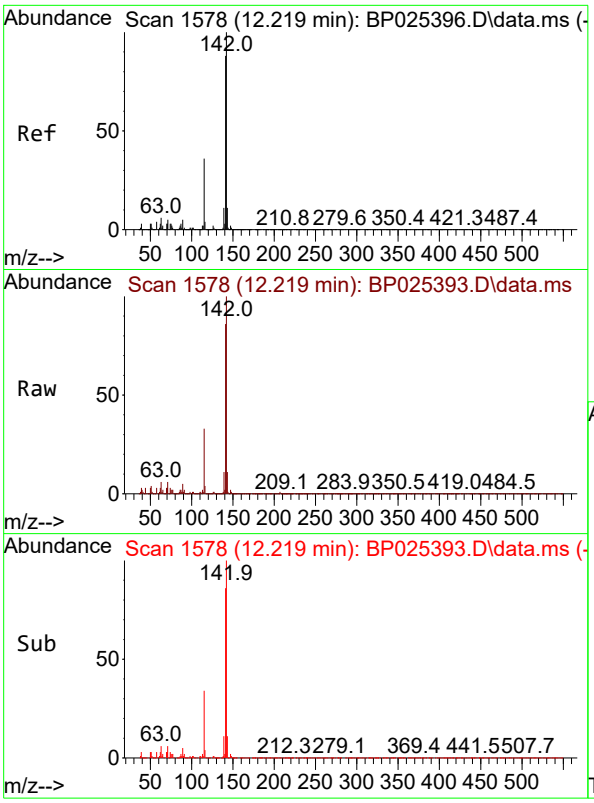


#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 50515

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	70.9	64.6	97.0

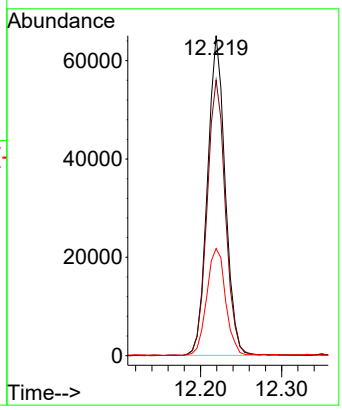




#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 9864

Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.3	105.5
115	33.5	28.9	43.3



Instrument :
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ClientSampleId :
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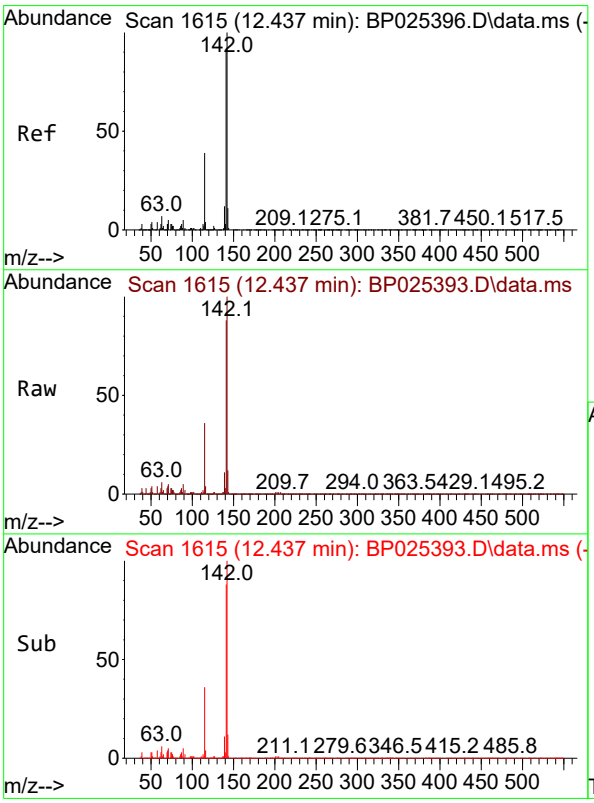
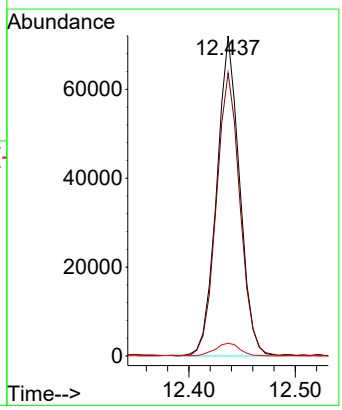
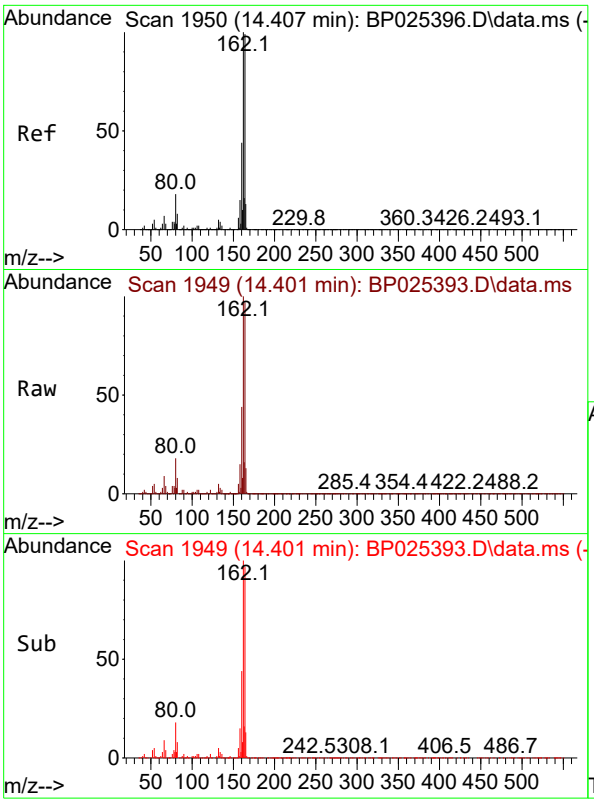


#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 107044

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.1	109.7
116	3.9	3.2	4.8

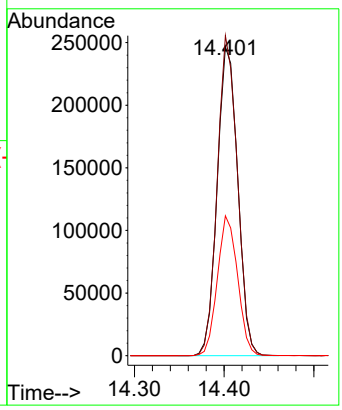




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:164 Resp: 39237

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.0	121.6
160	45.3	35.4	53.2



Instrument :
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ClientSampleId :
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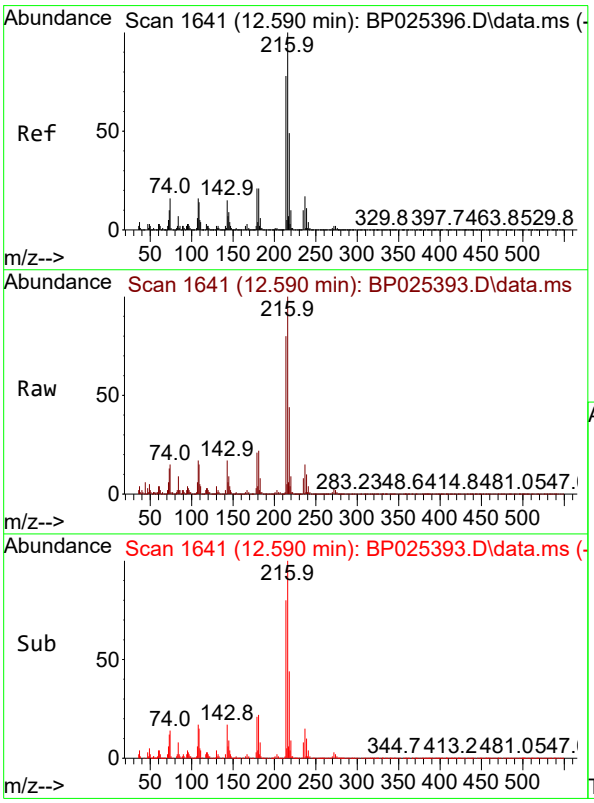
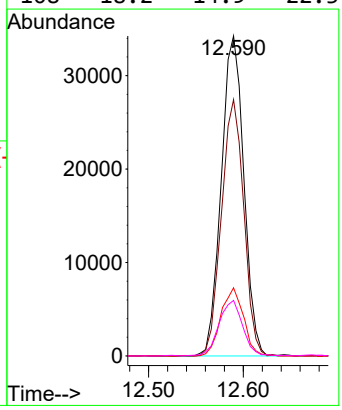
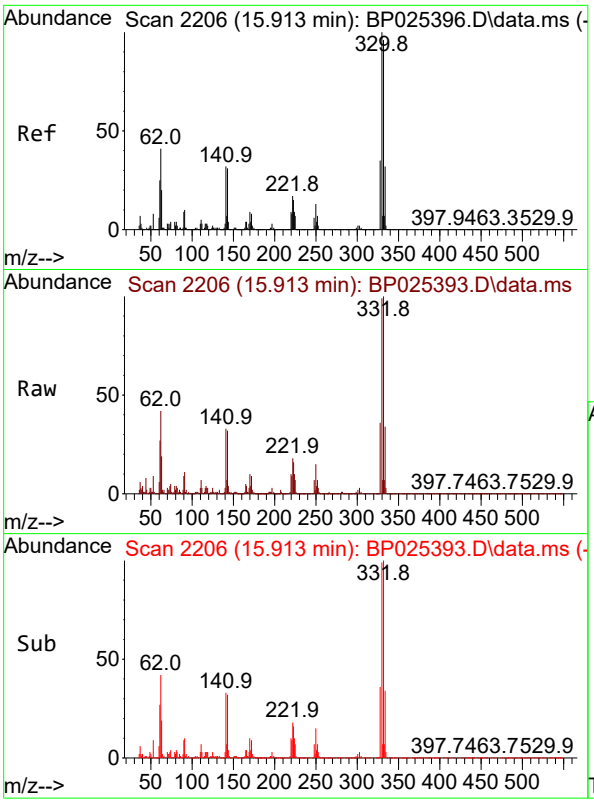


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.3	17.1	25.7
108	18.2	14.9	22.3

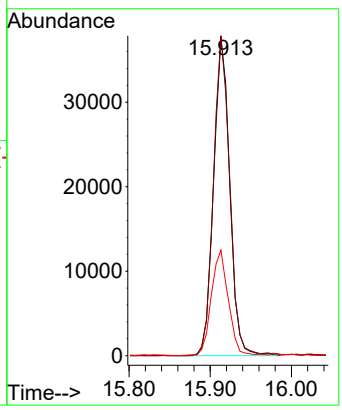




#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:330 Resp: 5218

Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.3	115.9
141	34.9	26.6	39.8



Instrument :
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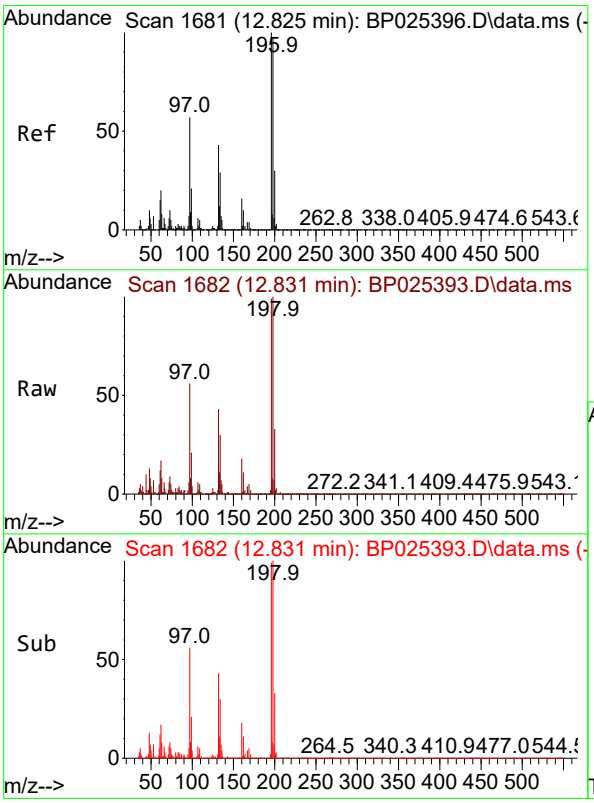
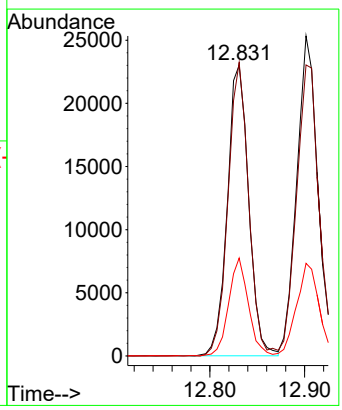
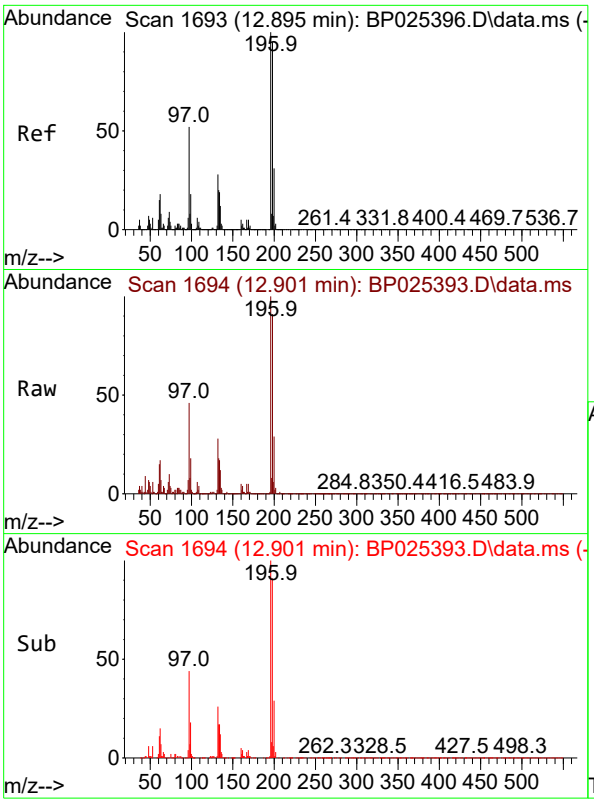


#43
2,4,6-Trichlorophenol
Concen: 4.718 ng
RT: 12.831 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 36093

Ion	Ratio	Lower	Upper
196	100		
198	101.0	77.2	115.8
200	33.7	23.9	35.9

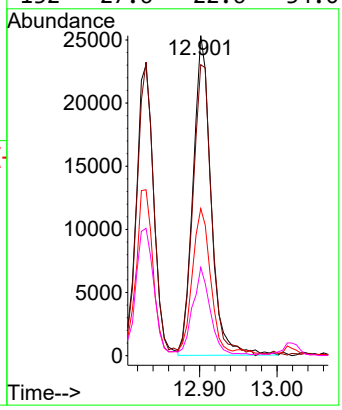




#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 4087

Ion	Ratio	Lower	Upper
196	100		
198	91.0	76.2	114.2
97	46.0	41.2	61.8
132	27.6	22.6	34.0



Instrument :
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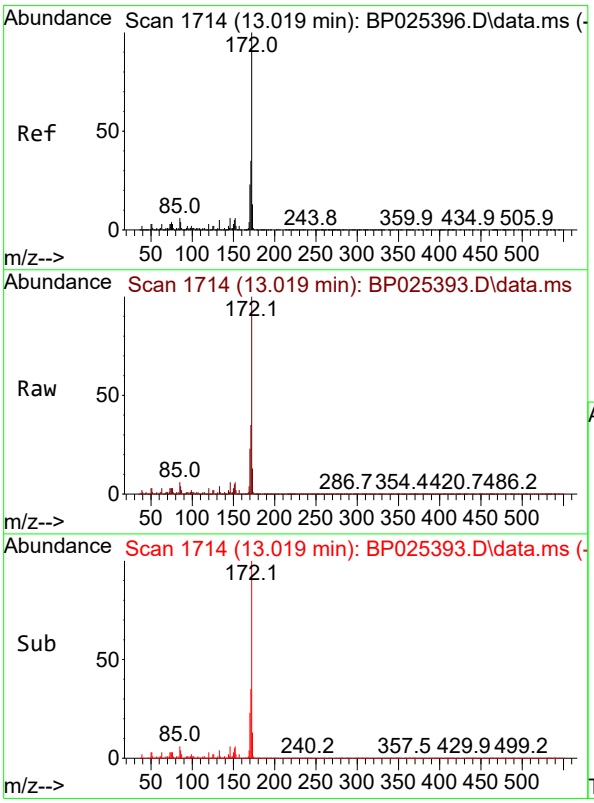
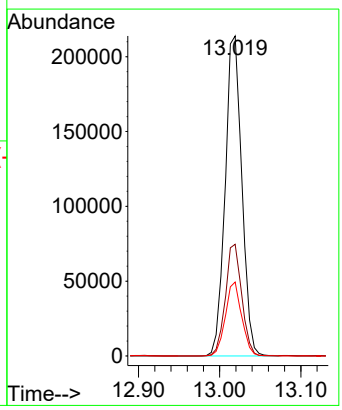
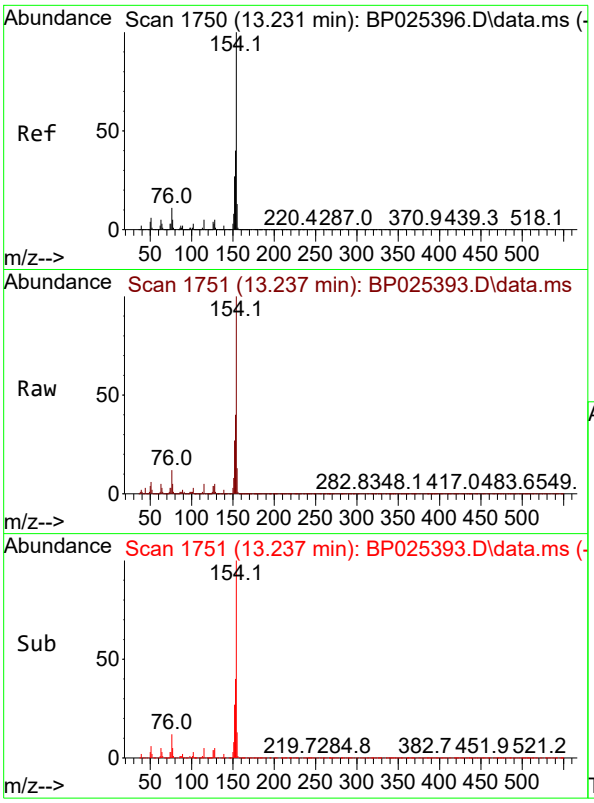


#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:172 Resp: 305742

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.1	18.6	28.0

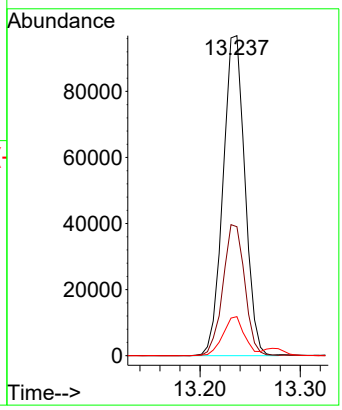




#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 14665

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	12.2	0.0	31.1



Instrument :
BNA_P
ClientSampleId :
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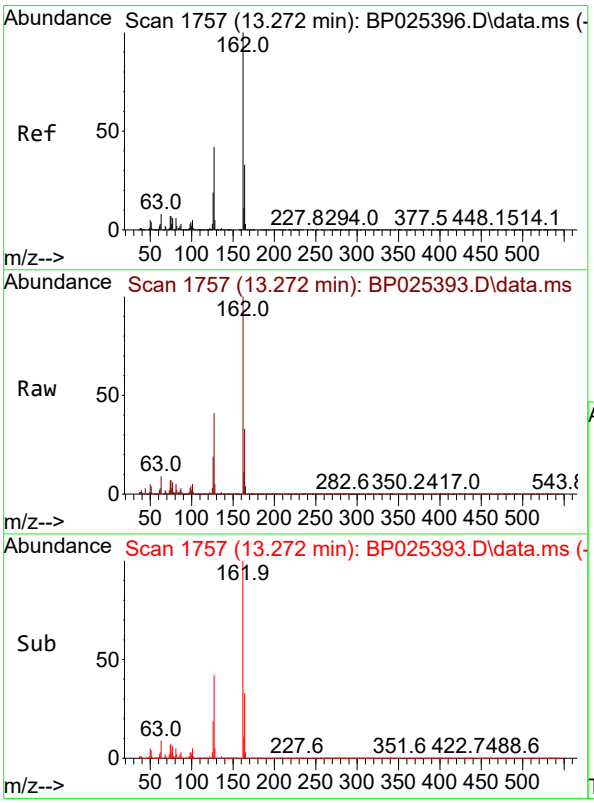
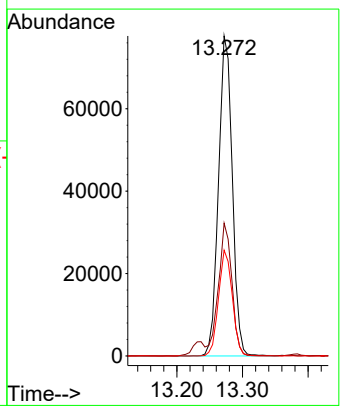
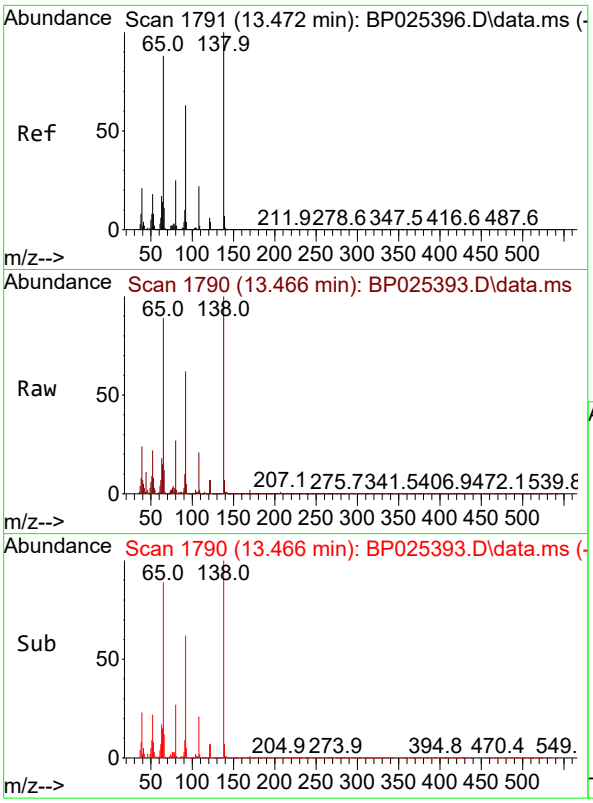


#47
2-Chloronaphthalene
Concen: 5.094 ng
RT: 13.272 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:162 Resp: 113015

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	33.0	26.2	39.2

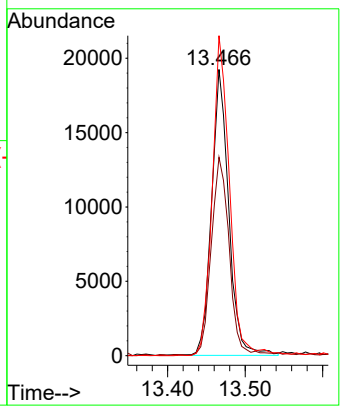




#48
2-Nitroaniline
Concen: 4.568 ng
RT: 13.466 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 65 Resp: 2952

Ion	Ratio	Lower	Upper
65	100		
92	69.3	57.6	86.4
138	111.8	91.0	136.6



Instrument :
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ClientSampleId :
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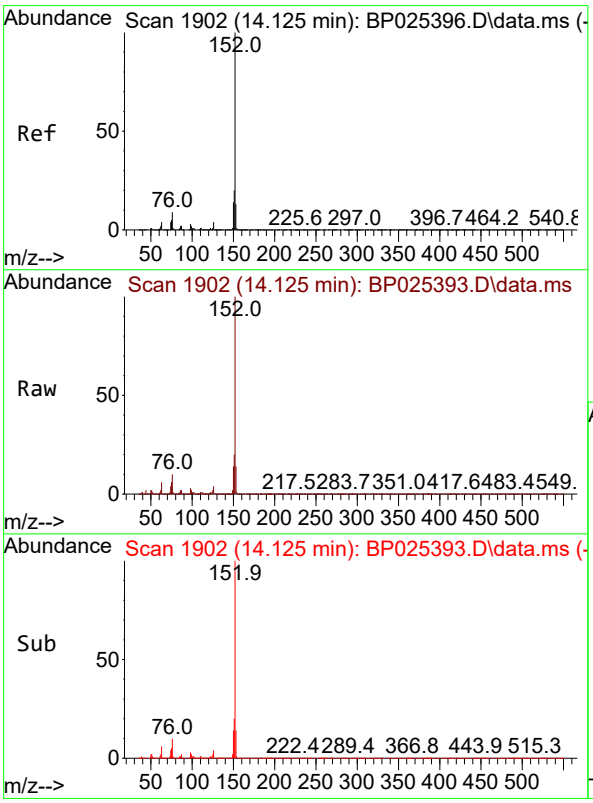
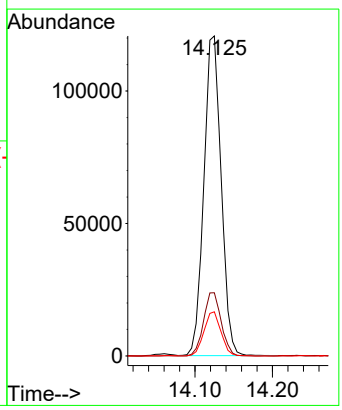
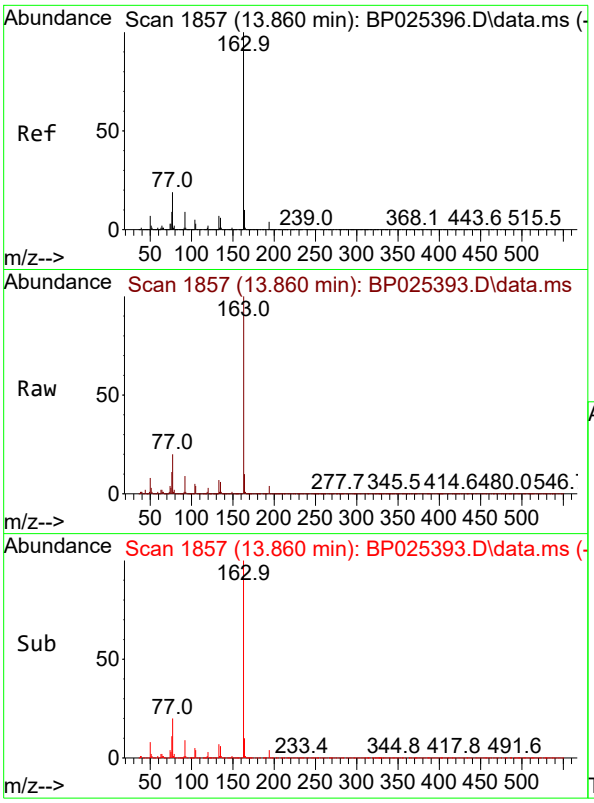


#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1902
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:152 Resp: 187026

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8

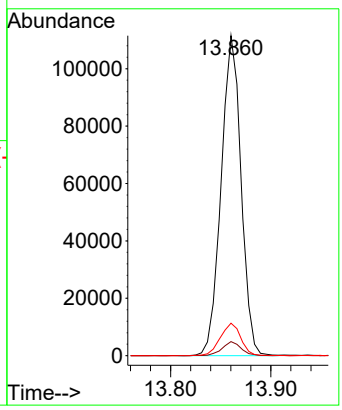




#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:163 Resp: 15386

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9



Instrument :
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ClientSampleId :
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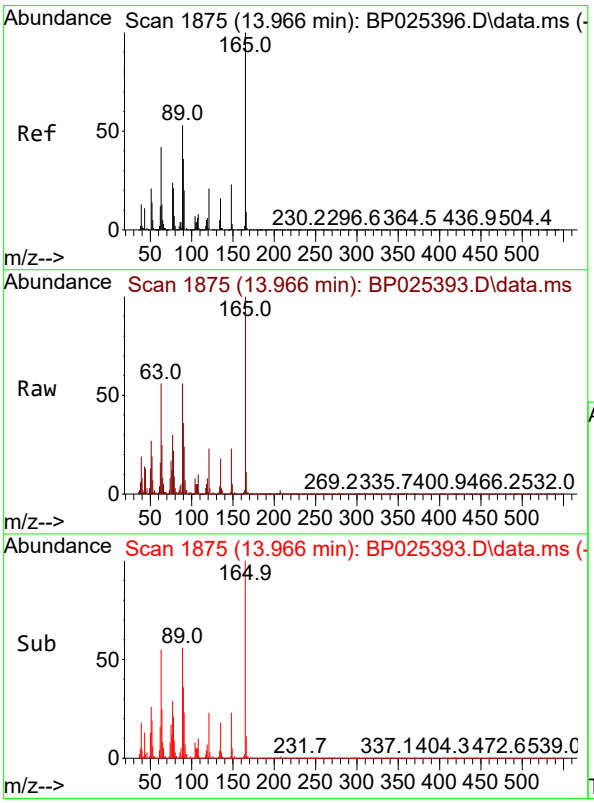
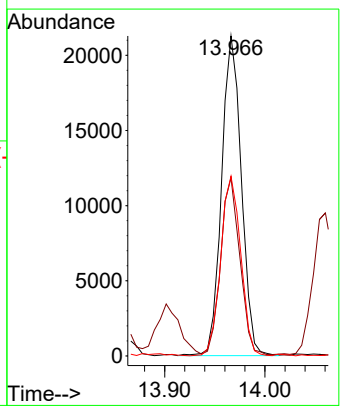
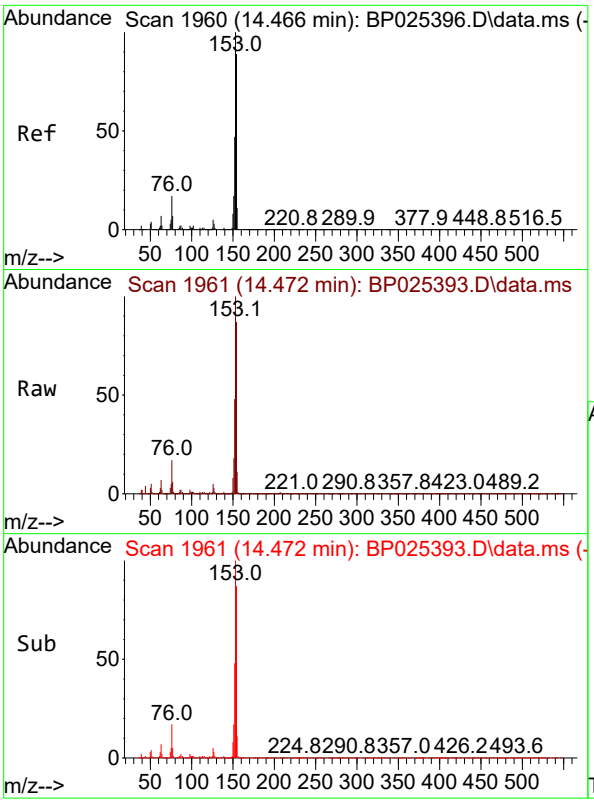


#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:165 Resp: 29088

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	56.2	42.1	63.1

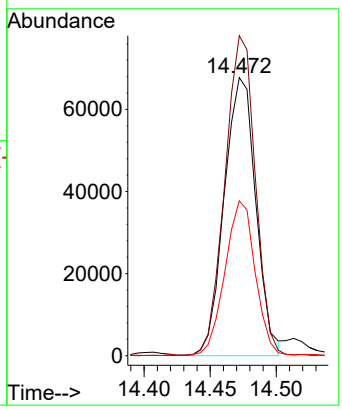




#52
Acenaphthene
Concen: 5.232 ng m
RT: 14.472 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 11273

Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.2	135.2
152	55.7	42.1	63.1



Instrument :
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ClientSampleId :
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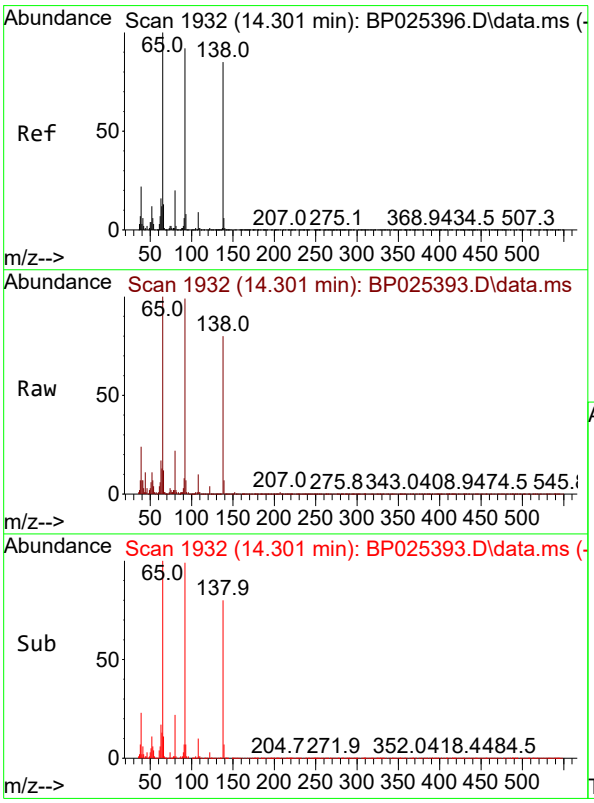
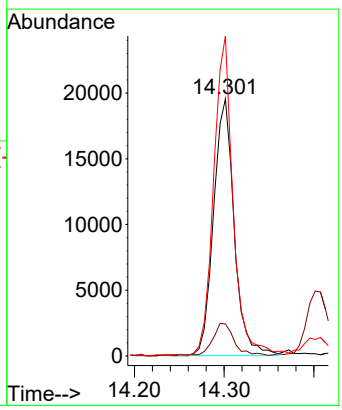
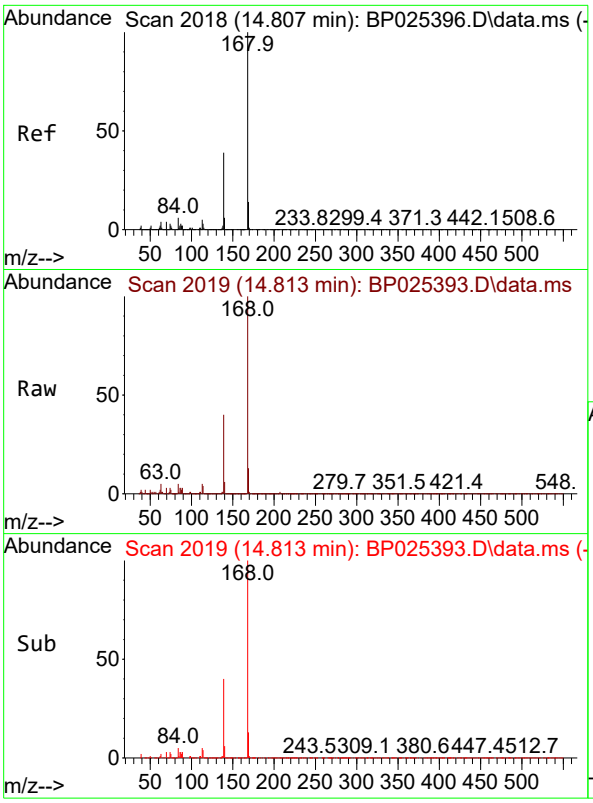


#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 31224

Ion	Ratio	Lower	Upper
138	100		
108	12.5	8.3	12.5
92	124.5	86.2	129.2

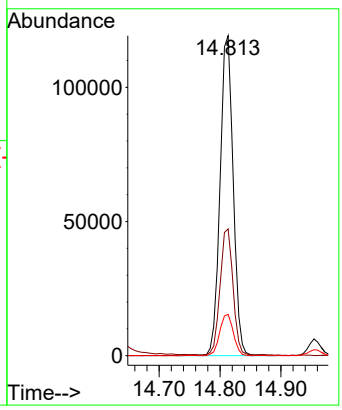




#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:168 Resp: 17849

Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.5	47.3
169	12.9	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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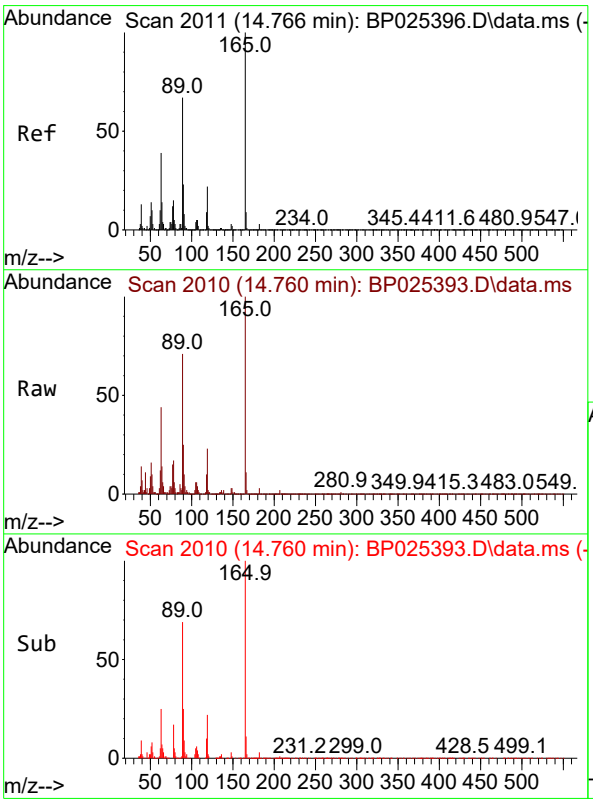
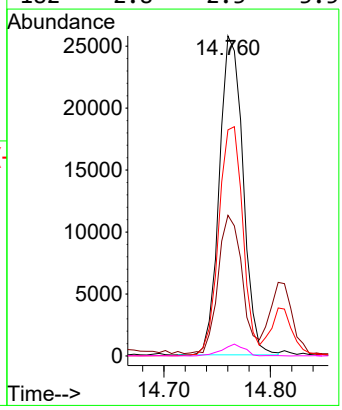
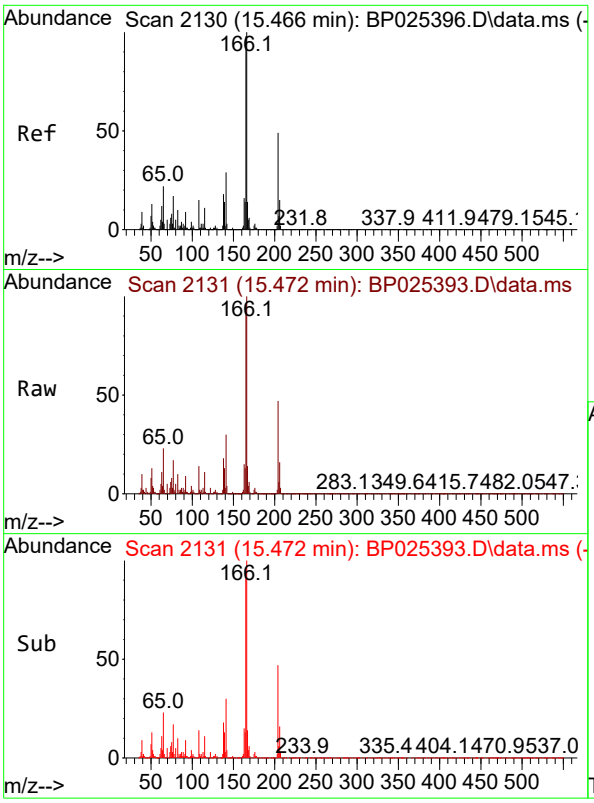


#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:165 Resp: 39658

Ion	Ratio	Lower	Upper
165	100		
63	43.9	31.4	47.2
89	70.6	53.3	79.9
182	2.8	2.3	3.5

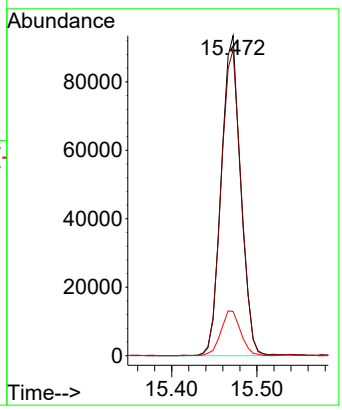




#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:166 Resp: 14776

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.8	118.2
167	13.8	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
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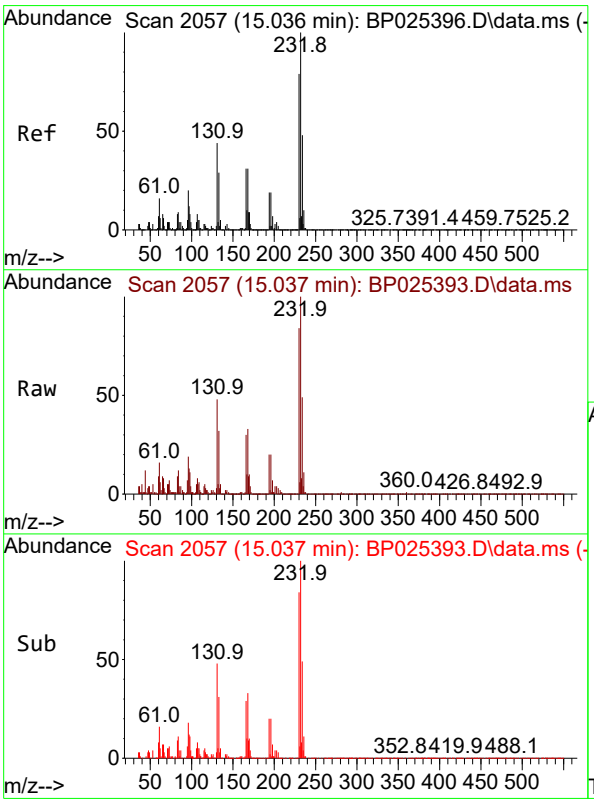
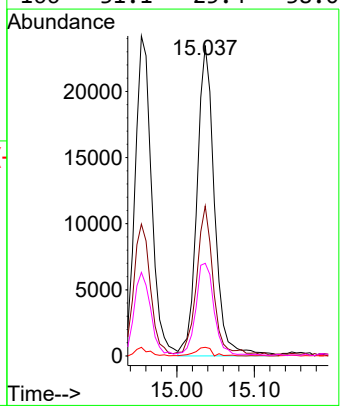
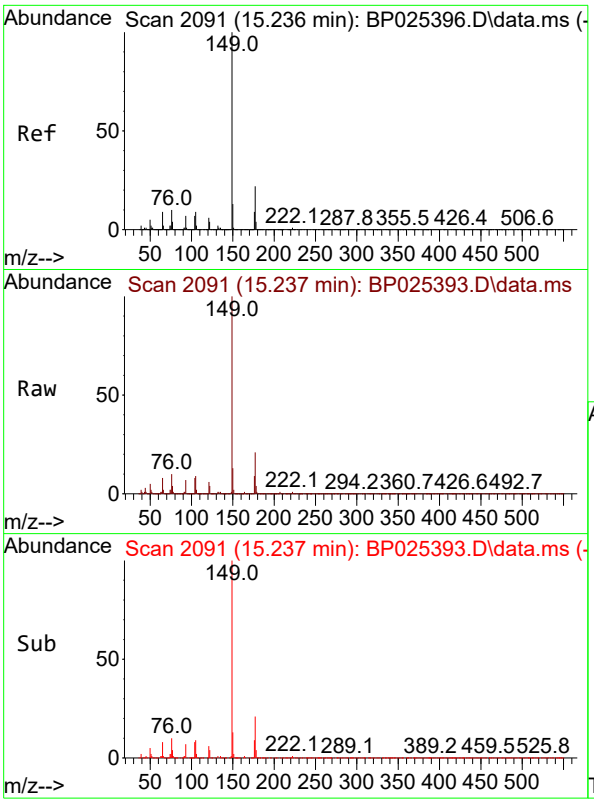


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:232 Resp: 36779

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.7	1.9	2.9
166	31.1	25.4	38.0

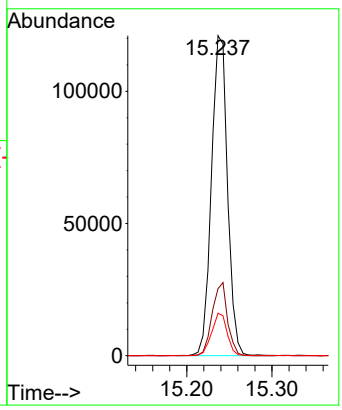




#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 15842

Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.3	25.9
150	13.3	10.3	15.5



Instrument :
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ClientSampleId :
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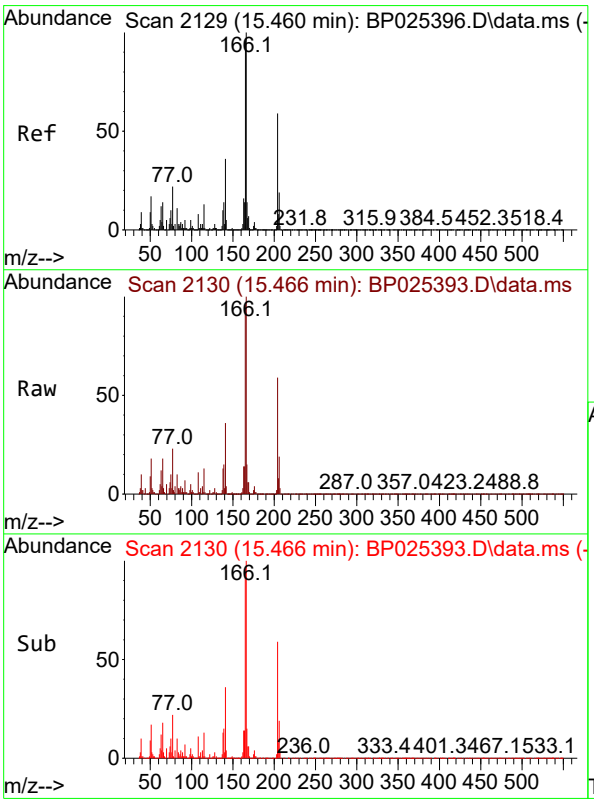
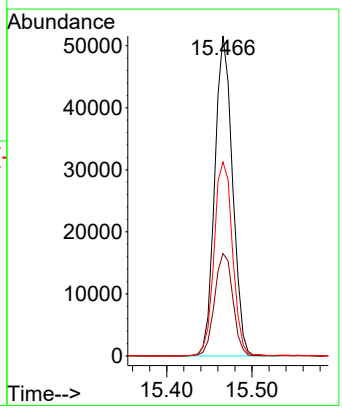
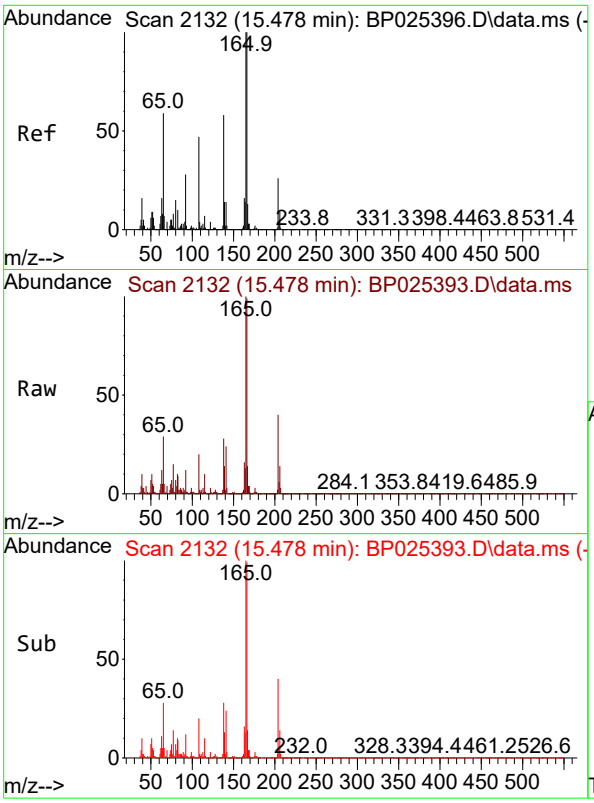


#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:204 Resp: 74636

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.8	38.8
141	60.6	49.4	74.2

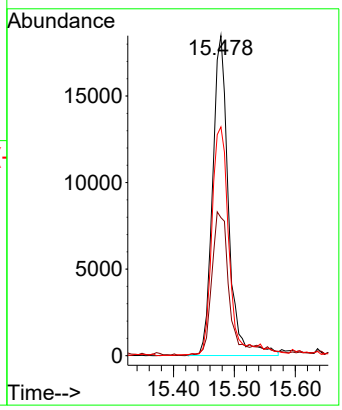




#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 3346

Ion	Ratio	Lower	Upper
138	100		
92	43.2	29.1	69.1
108	71.5	61.5	101.5



Instrument :
BNA_P
ClientSampleId :
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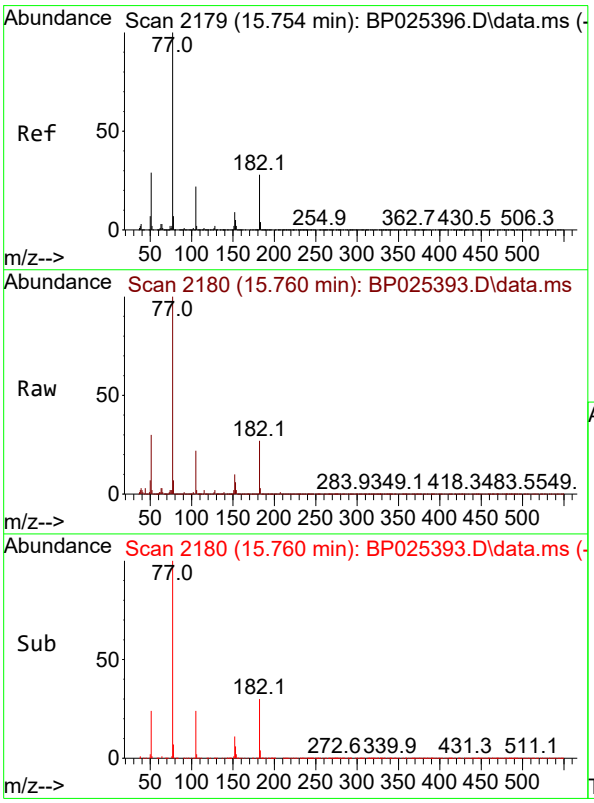
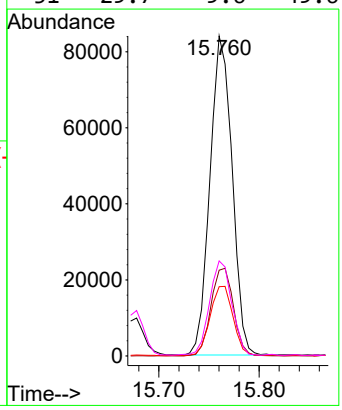
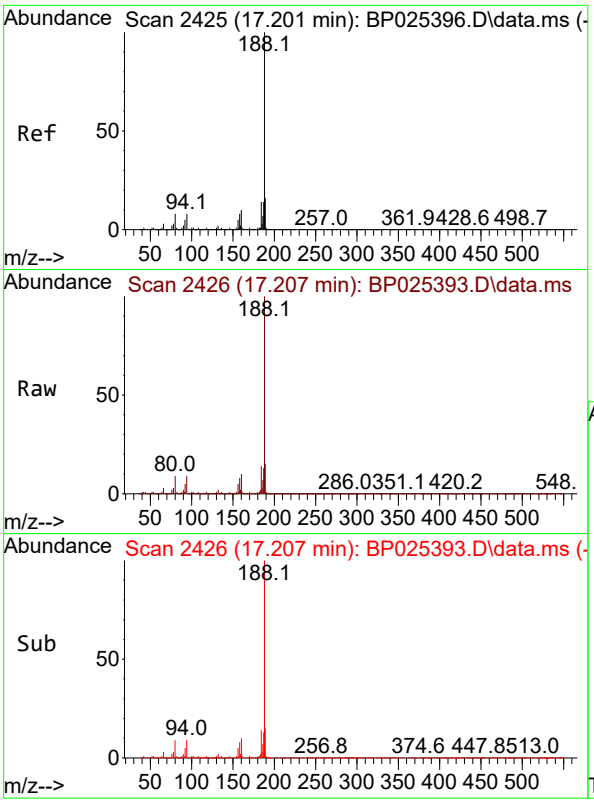


#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 128978

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	21.6	2.1	42.1
51	29.7	9.6	49.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:188 Resp: 81633

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.4	6.7	10.1

Instrument :
BNA_P
ClientSampleId :
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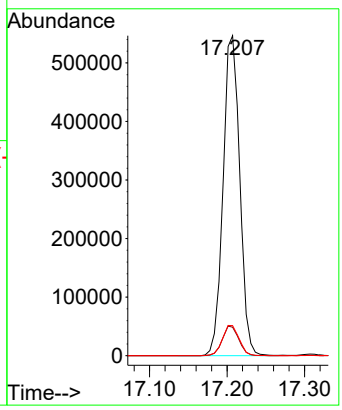
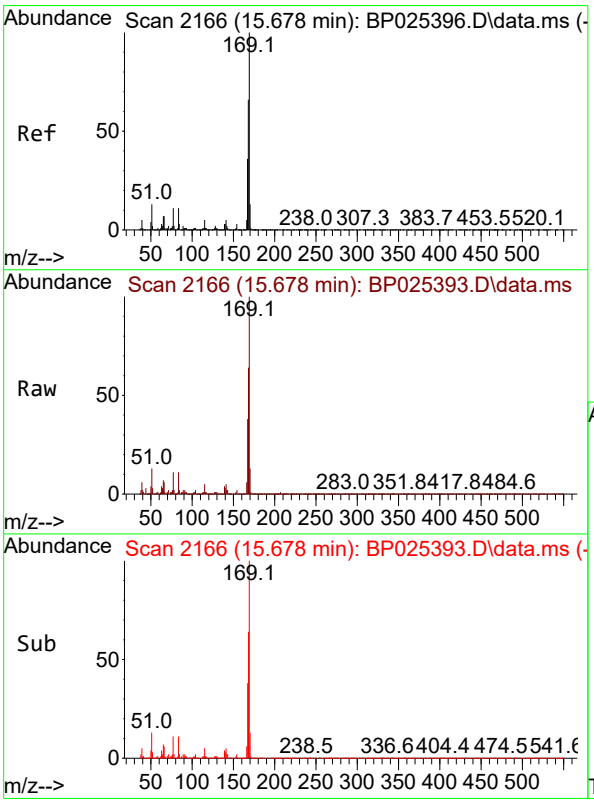
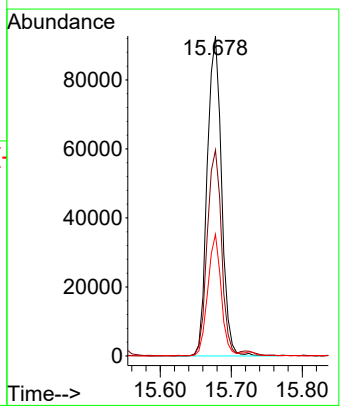


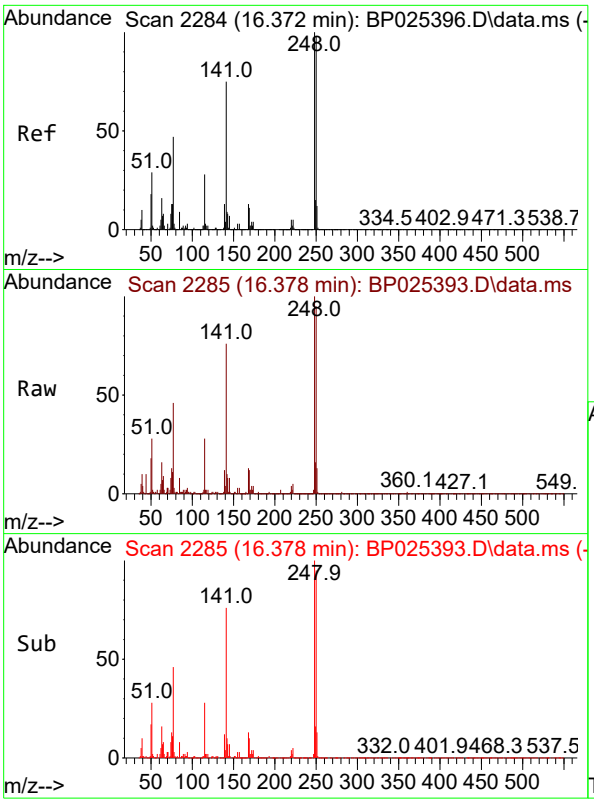


#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:169 Resp: 129805

Ion	Ratio	Lower	Upper
169	100		
168	64.3	53.2	79.8
167	38.0	28.7	43.1

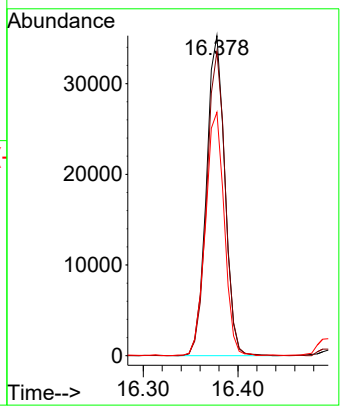




#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:248 Resp: 4757

Ion	Ratio	Lower	Upper
248	100		
250	95.1	78.2	117.2
141	76.0	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
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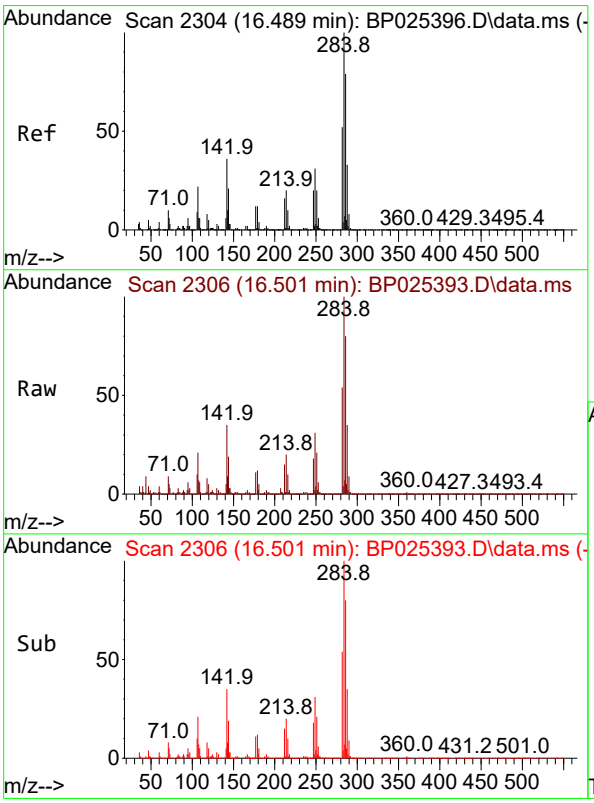
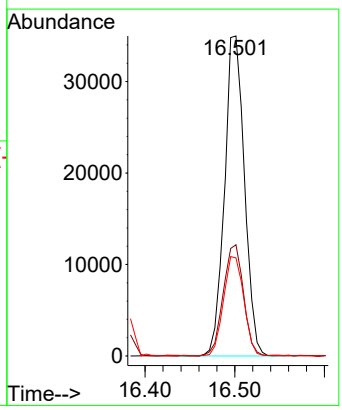
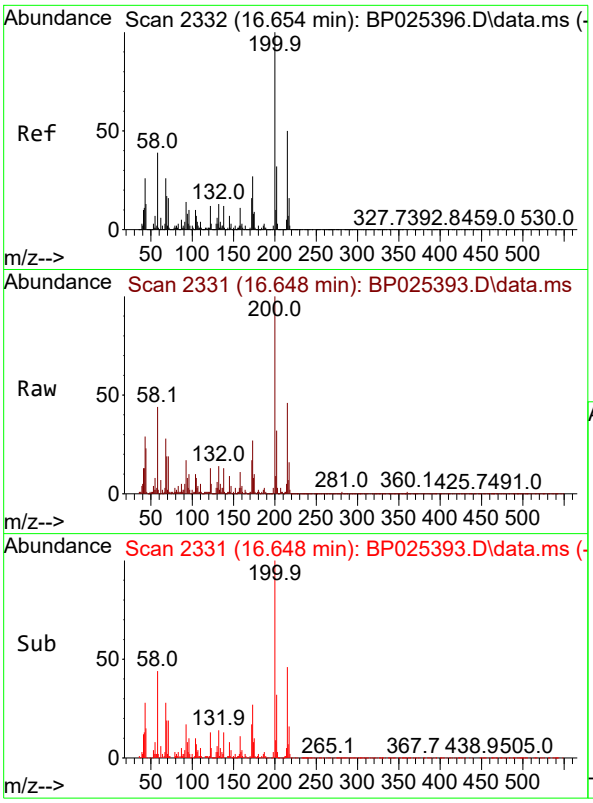


#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:284 Resp: 53940

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.1	43.7
249	30.6	25.0	37.4

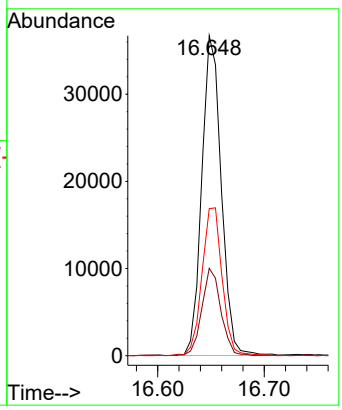




#69
Atrazine
Concen: 5.015 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:200 Resp: 4675

Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.7	46.7
215	45.9	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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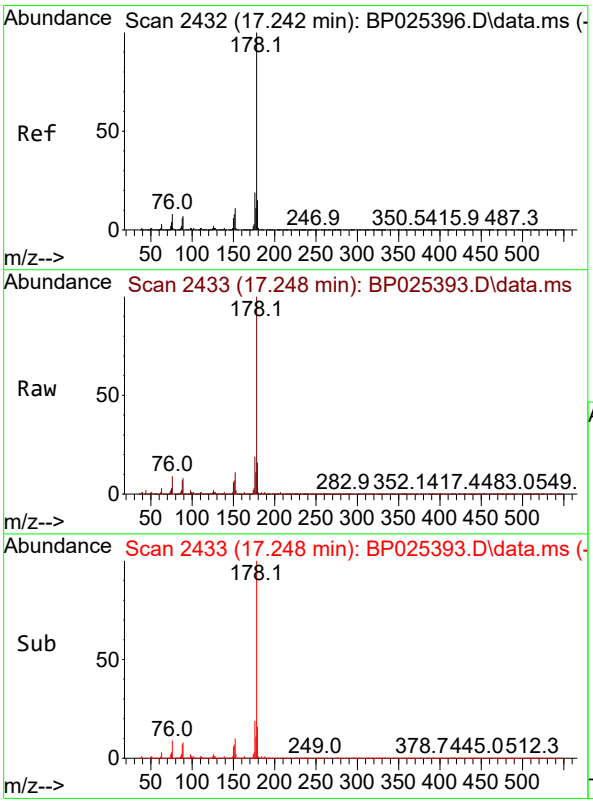
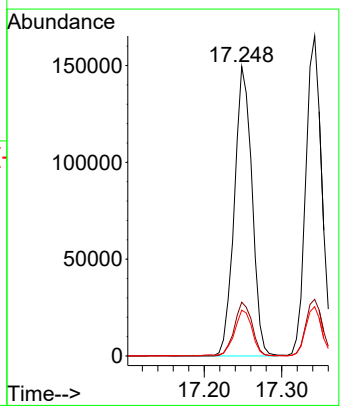
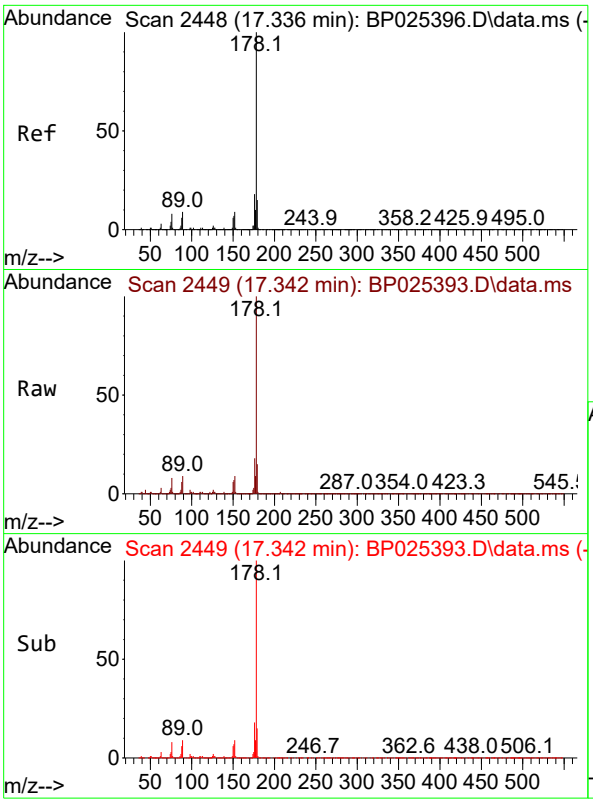


#71
Phenanthrene
Concen: 5.287 ng
RT: 17.248 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 237107

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.8	12.2	18.4

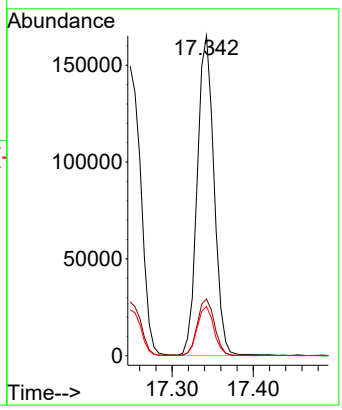




#72
Anthracene
Concen: 5.174 ng
RT: 17.342 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 23693

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.4	12.2	18.2



Instrument :
BNA_P
ClientSampleId :
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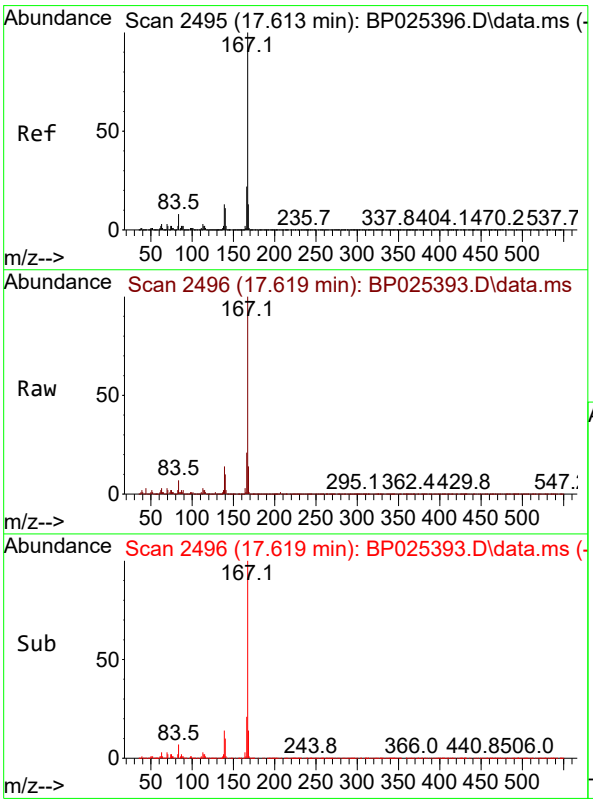
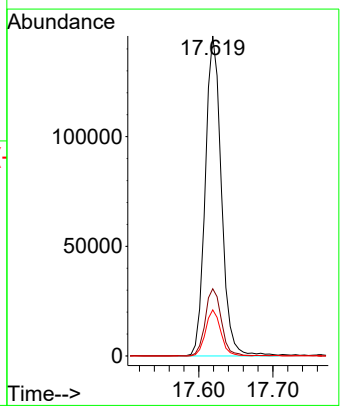
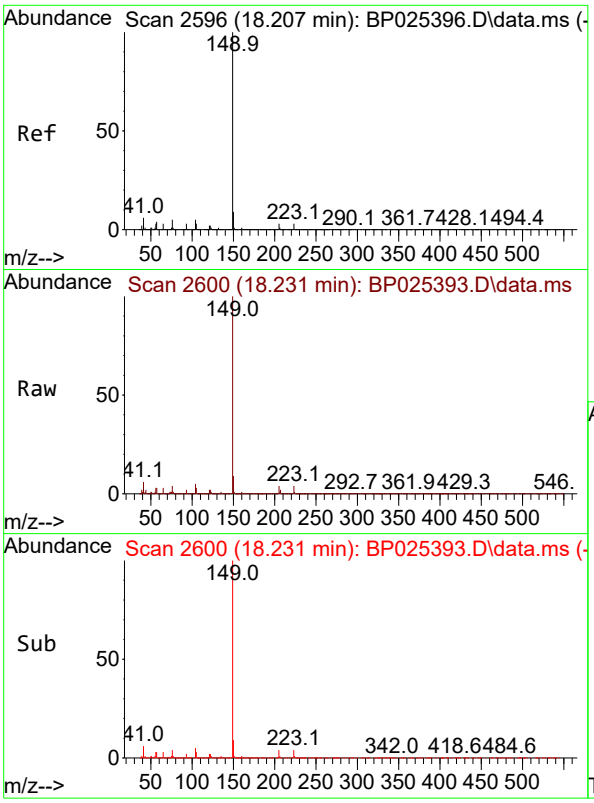


#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:167 Resp: 220112

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	14.4	10.6	16.0

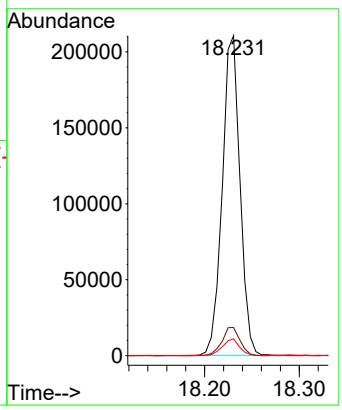




#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 27446

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.3	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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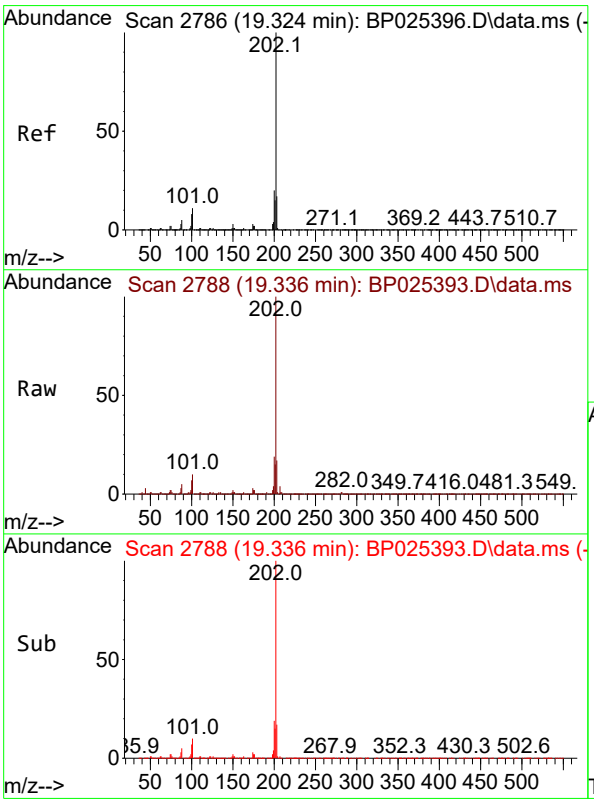
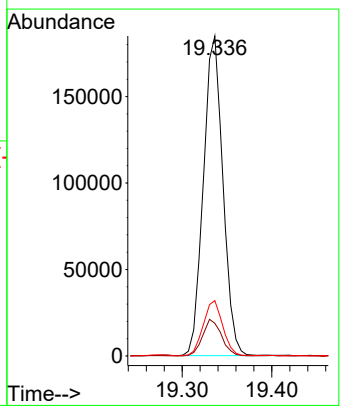
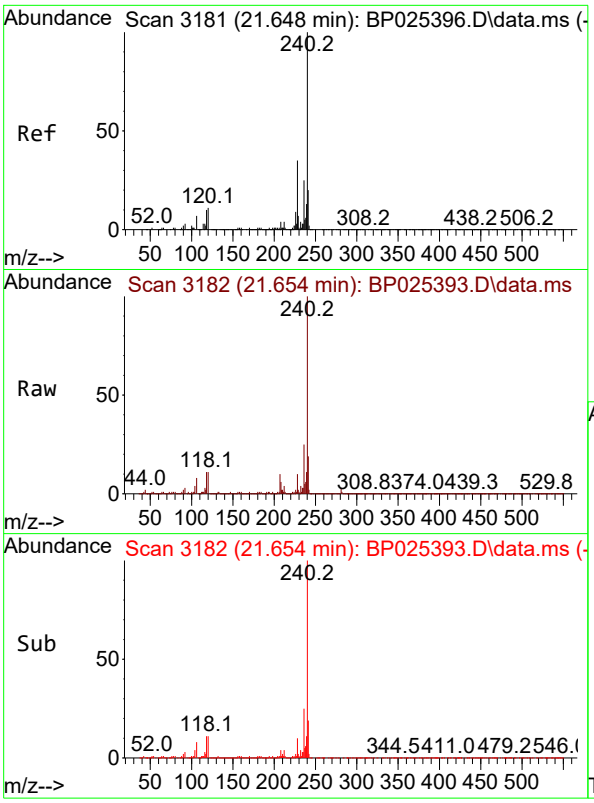


#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 2788
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:202 Resp: 279497

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	17.3	0.0	37.3

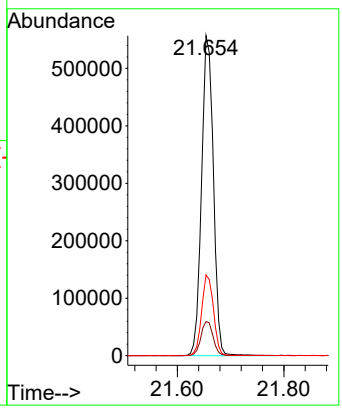




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:240 Resp: 85816

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.2	19.8	29.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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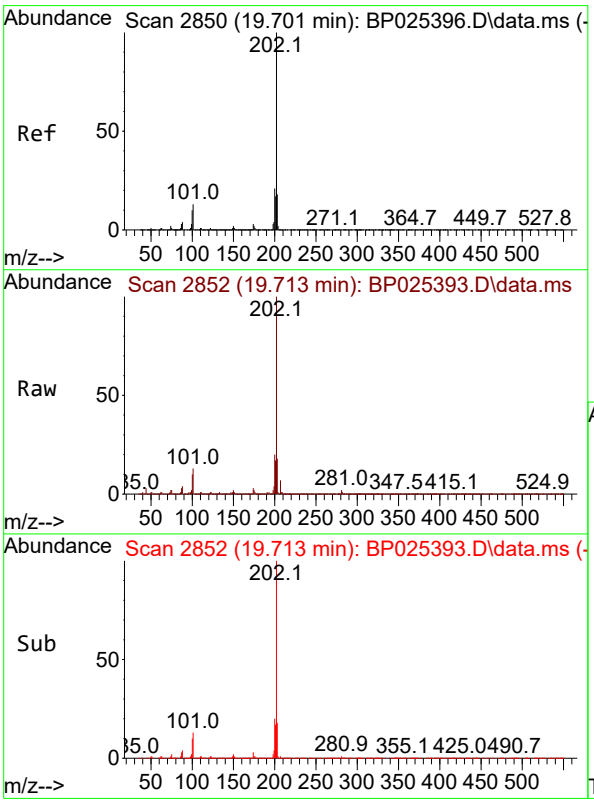
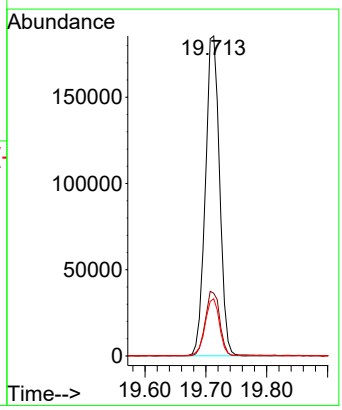
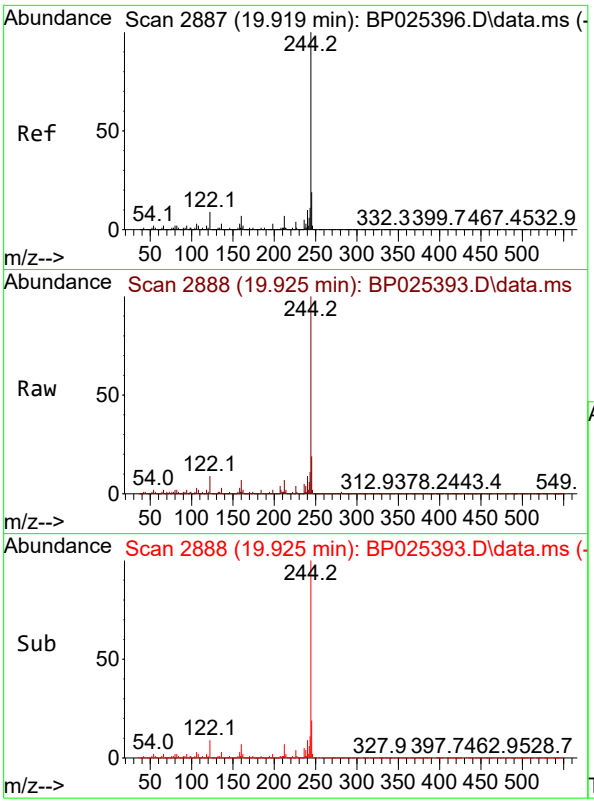


#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:202 Resp: 299922

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.9	25.3
203	17.8	14.2	21.2

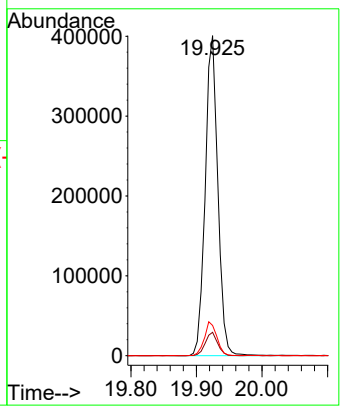




#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:244 Resp: 53604

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.5	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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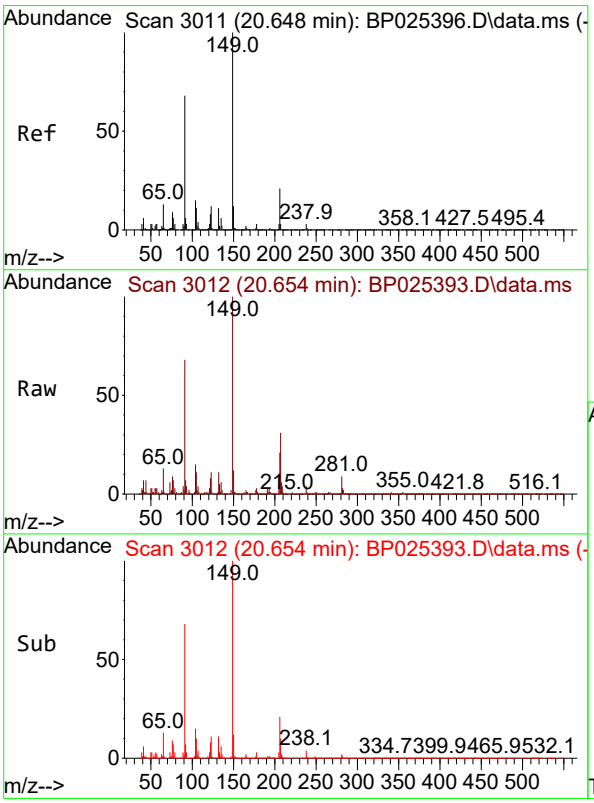
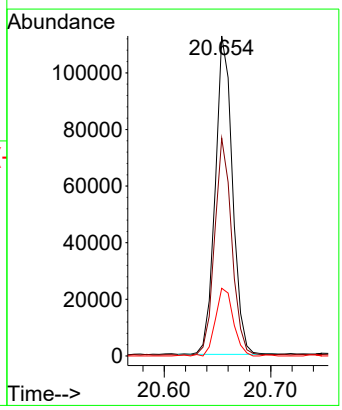
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

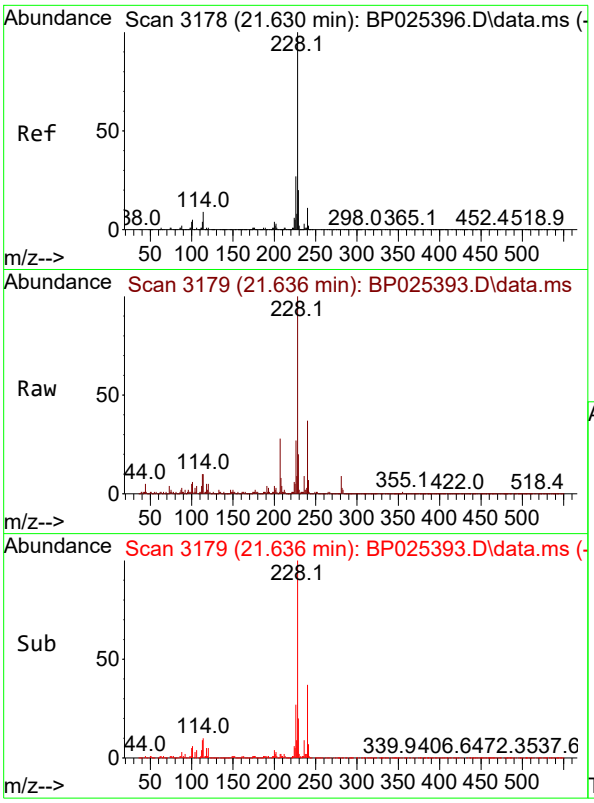


#80
Butylbenzylphthalate
Concen: 4.997 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 126321

Ion	Ratio	Lower	Upper
149	100		
91	68.0	54.2	81.2
206	21.1	16.6	24.8

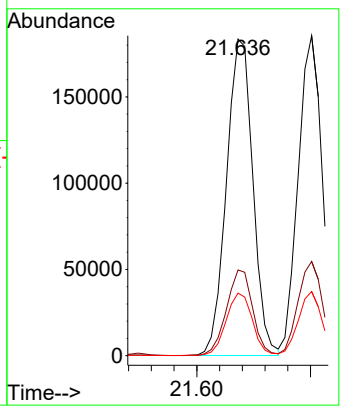




#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:228 Resp: 29684

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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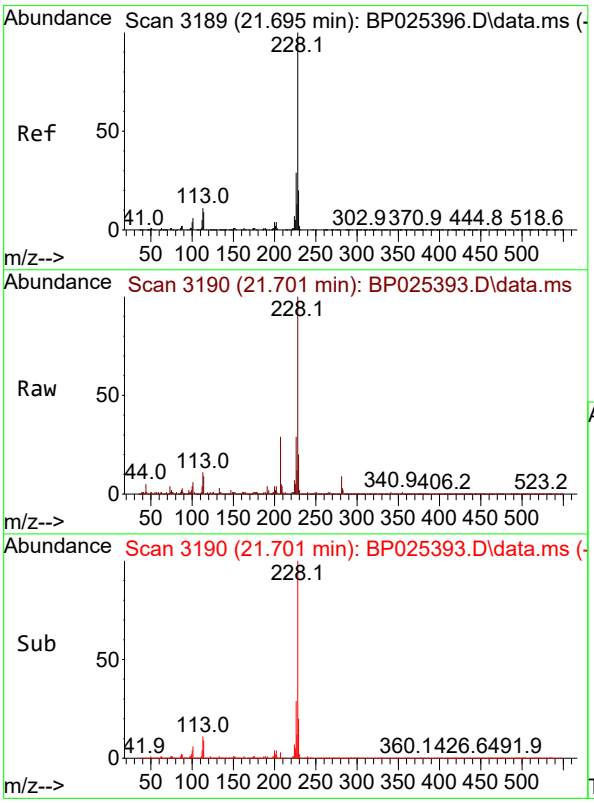
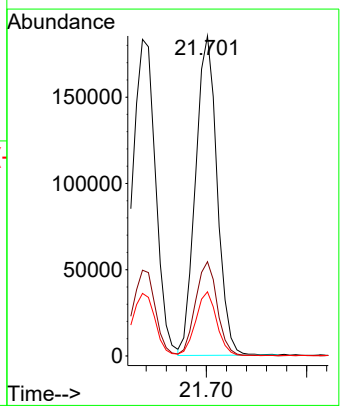
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

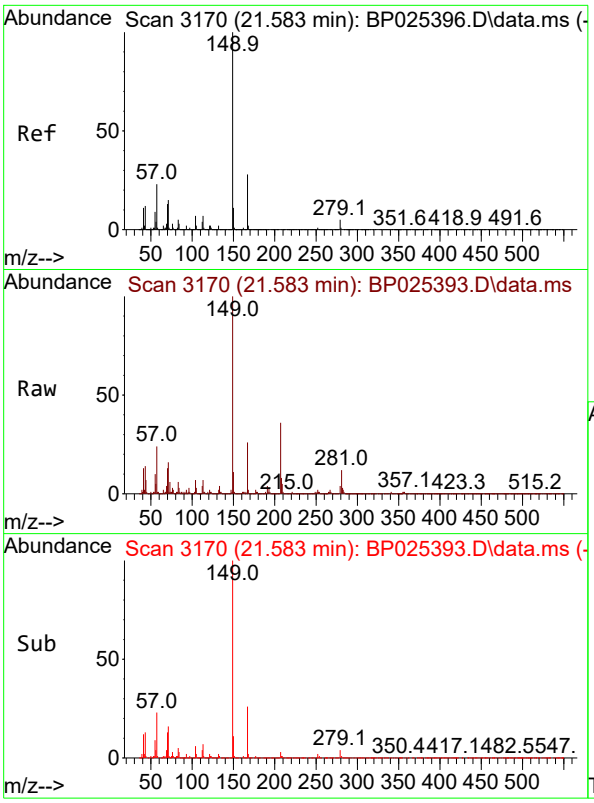


#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3190
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:228 Resp: 277175

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	20.0	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 19454

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	3.8	3.8	5.6

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Reviewed By :Rahul Chavli 08/15/2025
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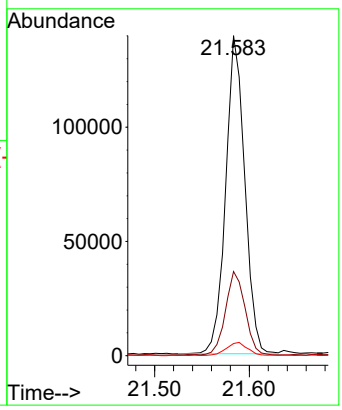
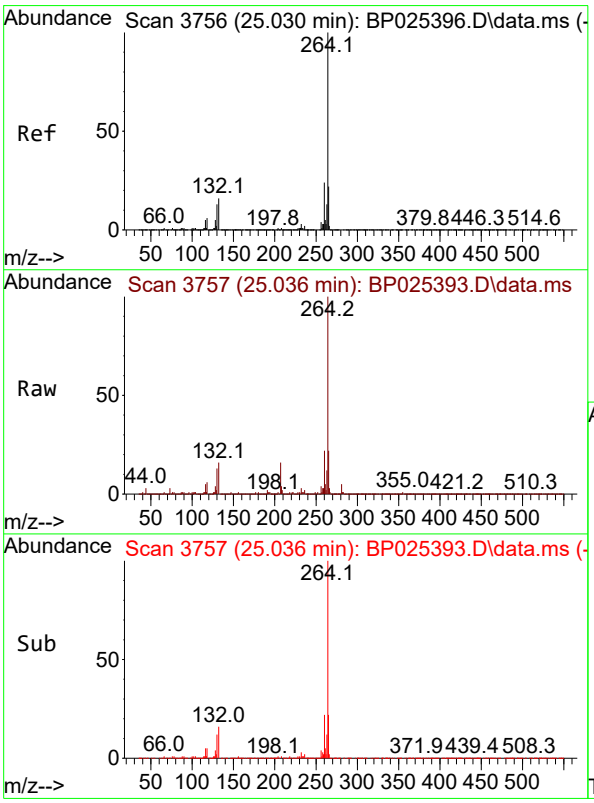
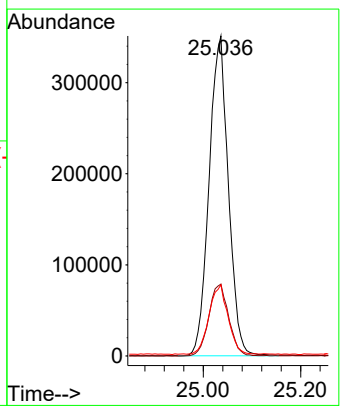


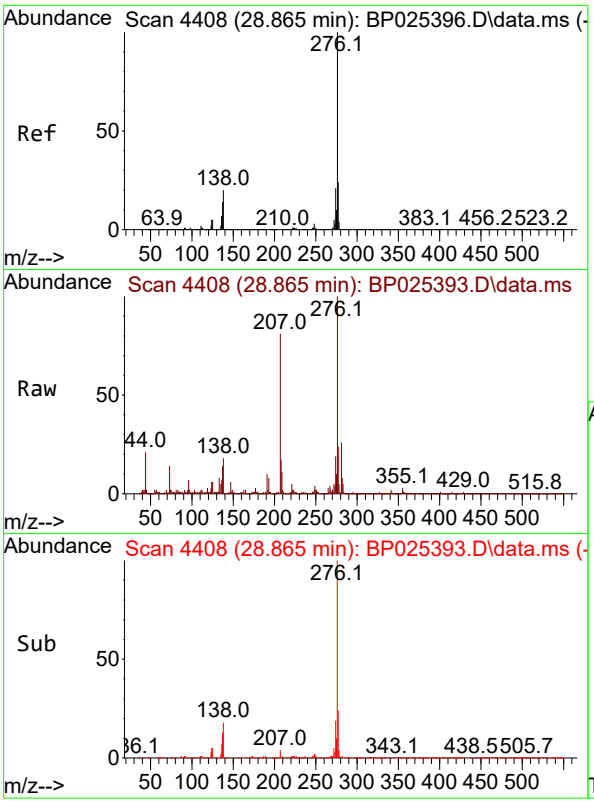


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:264 Resp: 963881

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	22.3	17.4	26.0

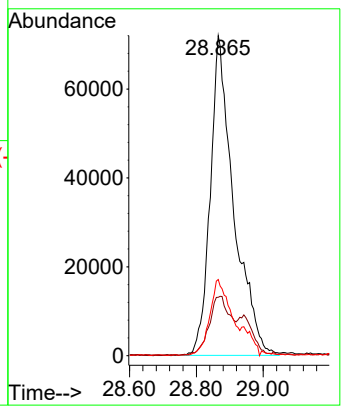




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.956 ng
RT: 28.865 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:276 Resp: 35041

Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.9	19.3
277	20.8	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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Reviewed By :Rahul Chavli 08/15/2025
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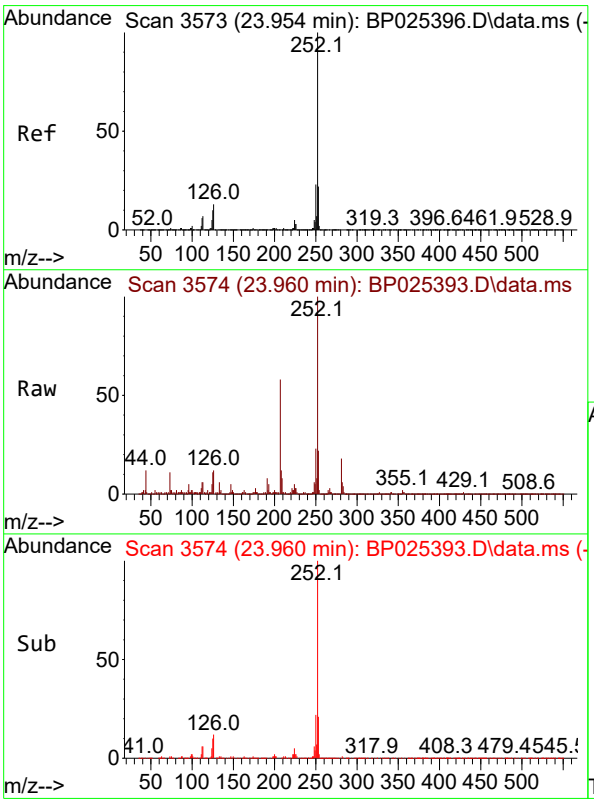
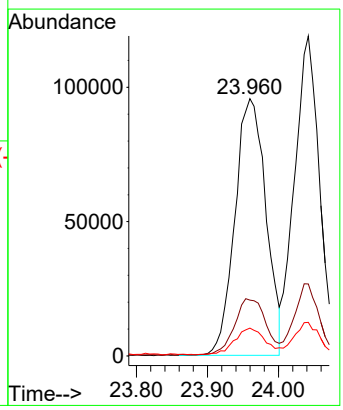
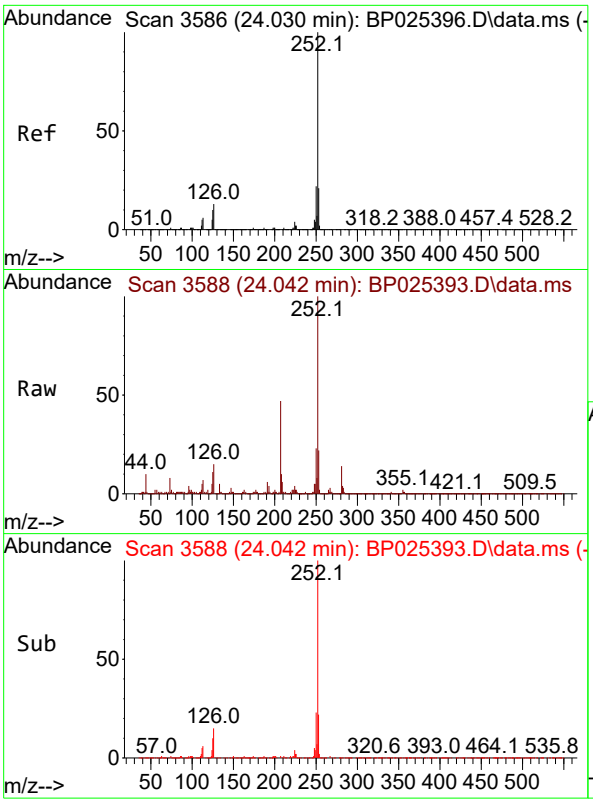


#88
Benzo(b)fluoranthene
Concen: 5.099 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 289797

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.8	7.9	11.9

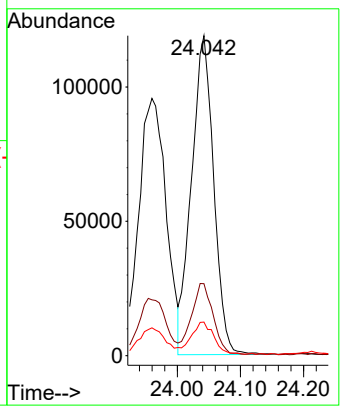




#89
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 28955

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.5	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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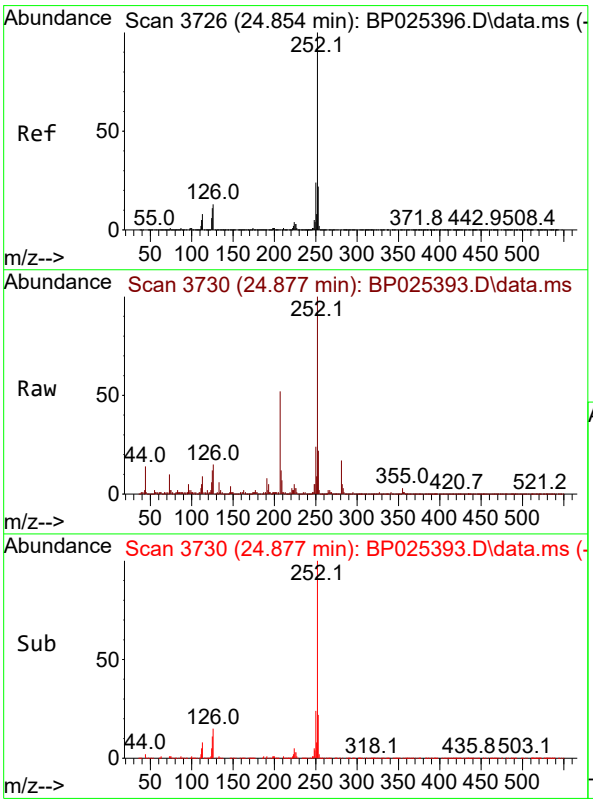
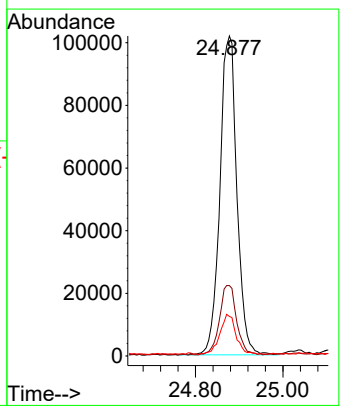
Supervised By :Jagrut Upadhyay 08/15/2025

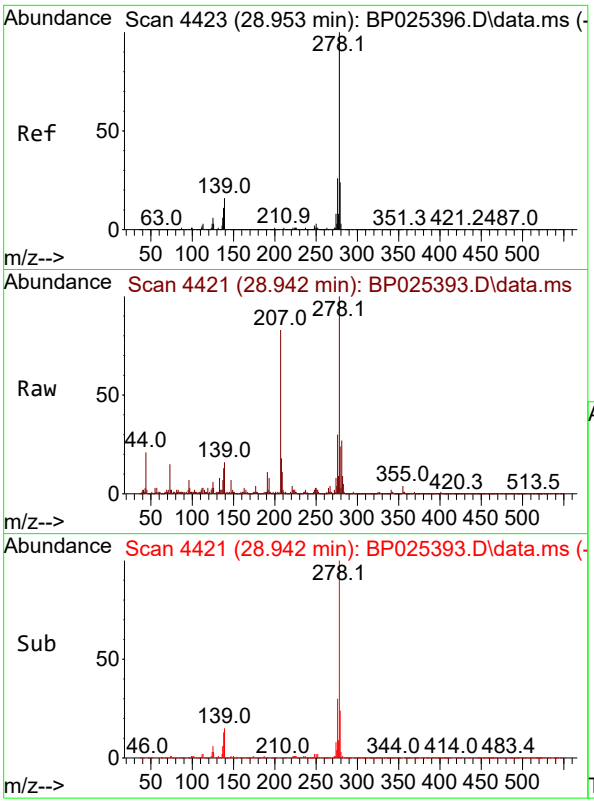


#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 274440

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.4	8.7	13.1

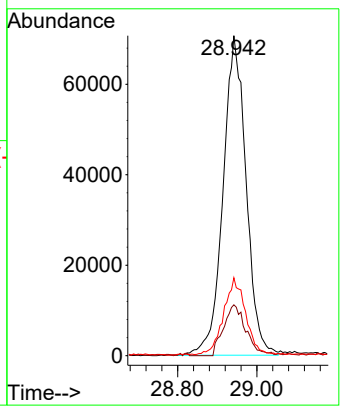




#91
Dibenzo(a,h)anthracene
Concen: 4.924 ng
RT: 28.942 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:278 Resp: 28444

Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.4
279	24.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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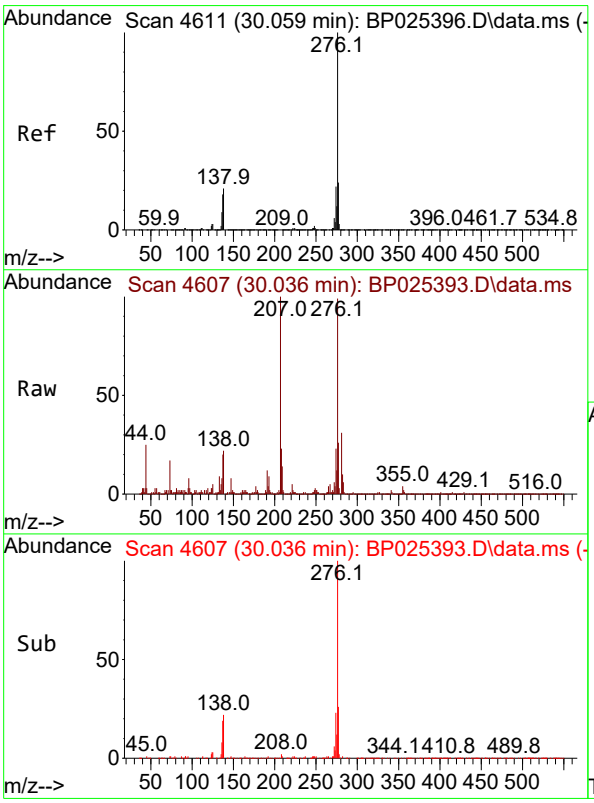
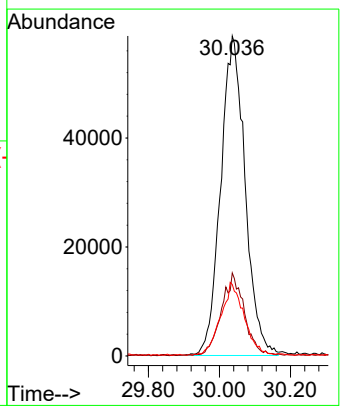
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 4.931 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.023 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:276 Resp: 279987

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	22.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng		0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng		0.00
86) Perylene-d12	25.036	264	980670	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	162289	19.551	ng		0.00
7) Phenol-d6	6.966	99	202204	19.000	ng		0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng		0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng		98
3) Pyridine	3.731	79	86156	9.681	ng		100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	#	99
6) Aniline	7.125	93	135217	9.430	ng		99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng		98
9) Benzaldehyde	6.943	77	68064m	9.129	ng		
10) Phenol	6.996	94	105394	9.438	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng		98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng		98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng		98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng		98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng		99
17) 2-Methylphenol	8.231	107	70991	9.153	ng		98
18) Hexachloroethane	8.866	117	37473	9.654	ng		98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng		99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng		97
22) Acetophenone	8.602	105	137361	9.712	ng	#	98
24) Nitrobenzene	8.972	77	96502	9.685	ng		97
25) Isophorone	9.502	82	189510	9.604	ng		99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng		96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng		99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng		94
31) Naphthalene	10.613	128	287754	9.816	ng		99
32) Benzoic acid	9.825	122	53034m	8.188	ng		
33) 4-Chloroaniline	10.713	127	122647	9.472	ng		98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng		97
35) Caprolactam	11.472	113	32038	10.001	ng		93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng		97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng		100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng		99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng		97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng	98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng	98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng	99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng	97
49) Acenaphthylene	14.119	152	346021	9.652	ng	99
50) Dimethylphthalate	13.860	163	277701	9.896	ng	99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng	96
52) Acenaphthene	14.472	154	207239m	9.848	ng	
53) 3-Nitroaniline	14.301	138	62991	9.466	ng	93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng	99
55) Dibenzofuran	14.807	168	327734	9.851	ng	100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng	97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng	100
58) Fluorene	15.472	166	266610	10.156	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng	99
60) Diethylphthalate	15.242	149	282526	9.909	ng	98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng	99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng	99
63) Azobenzene	15.766	77	234879	9.620	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng	97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng	100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng	98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng	96
69) Atrazine	16.660	200	88240	9.894	ng	98
70) Pentachlorophenol	16.854	266	52539	8.360	ng	97
71) Phenanthrene	17.248	178	429752	10.018	ng	99
72) Anthracene	17.348	178	438953	10.020	ng	100
73) Carbazole	17.619	167	410726	9.954	ng	99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng	99
75) Fluoranthene	19.330	202	516523	10.094	ng	99
77) Benzidine	19.525	184	276193	9.406	ng	99
78) Pyrene	19.707	202	542670	9.704	ng	100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng	98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng	99
83) Chrysene	21.701	228	522411	9.831	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng	99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	678980m	9.438	ng	
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng	99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng	98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng	99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng	99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

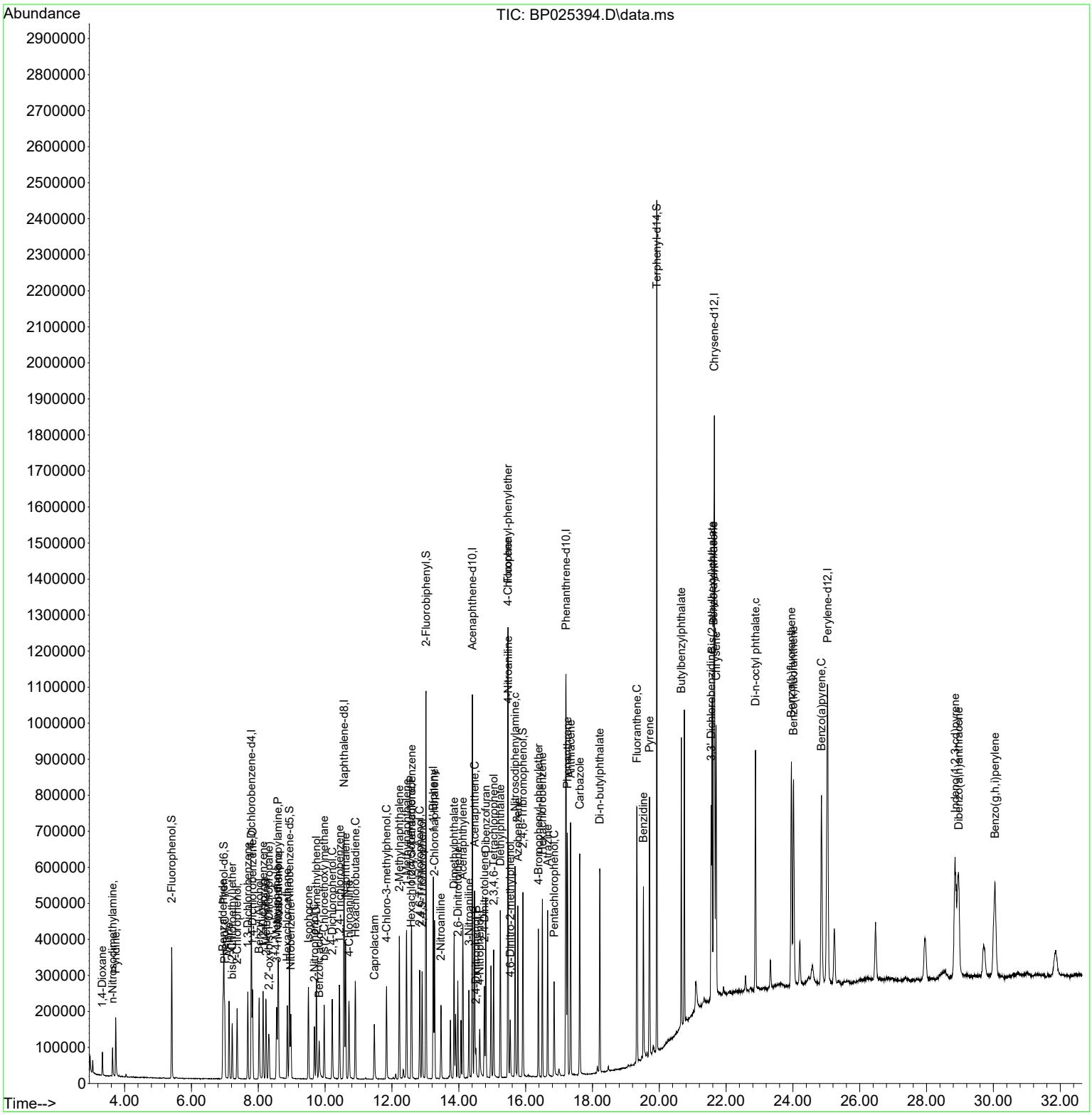
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

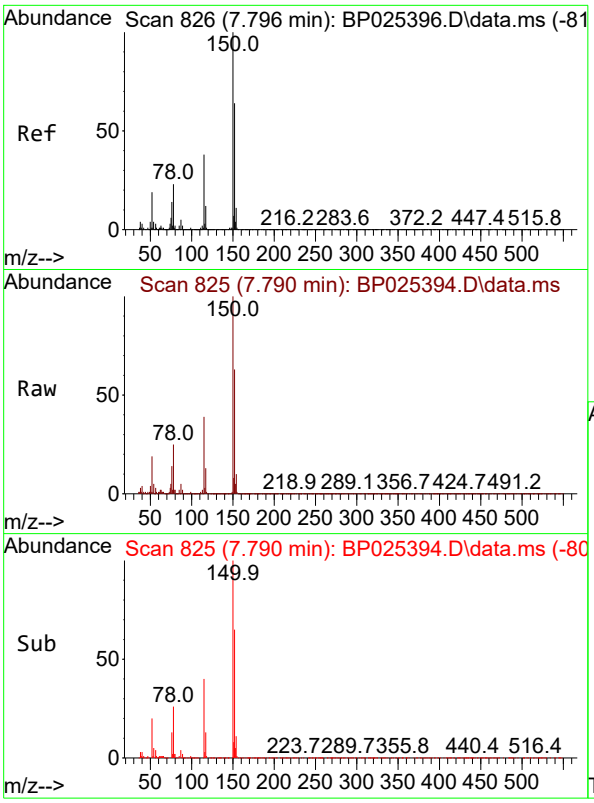
Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

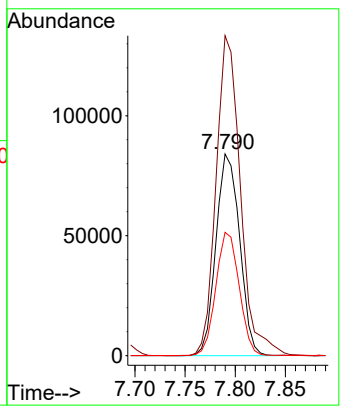




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:152 Resp: 13785

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	61.1	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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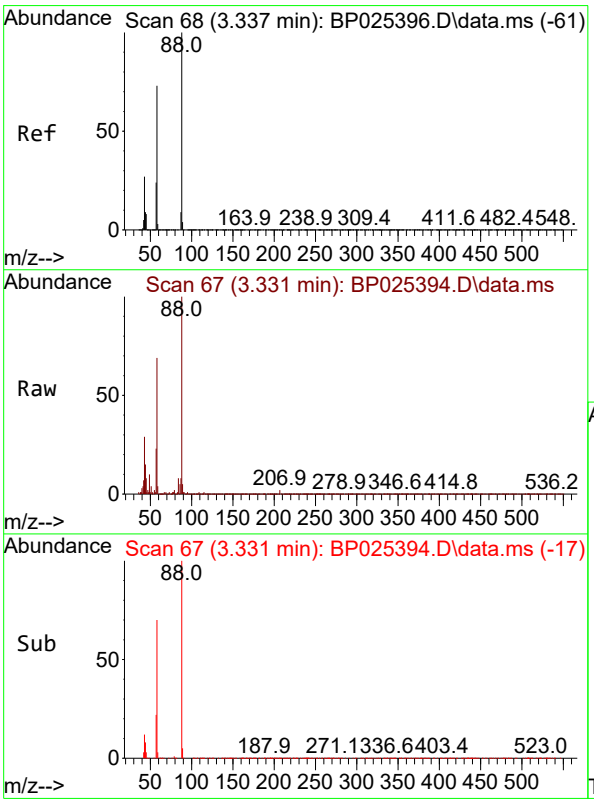
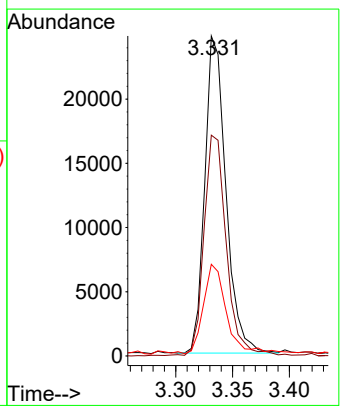
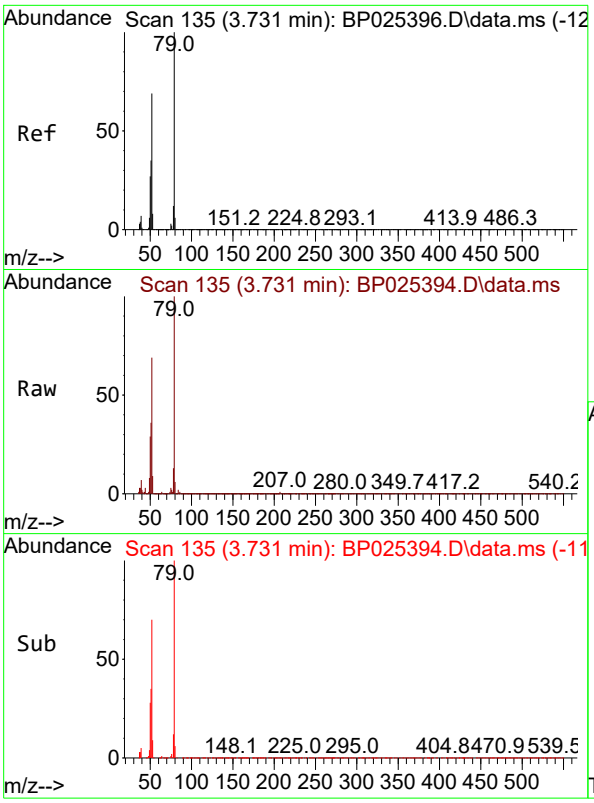


#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	30.8	21.7	32.5

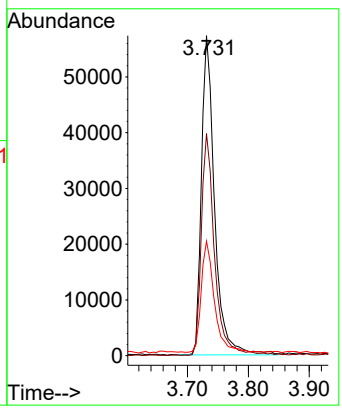




#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 79 Resp: 8615

Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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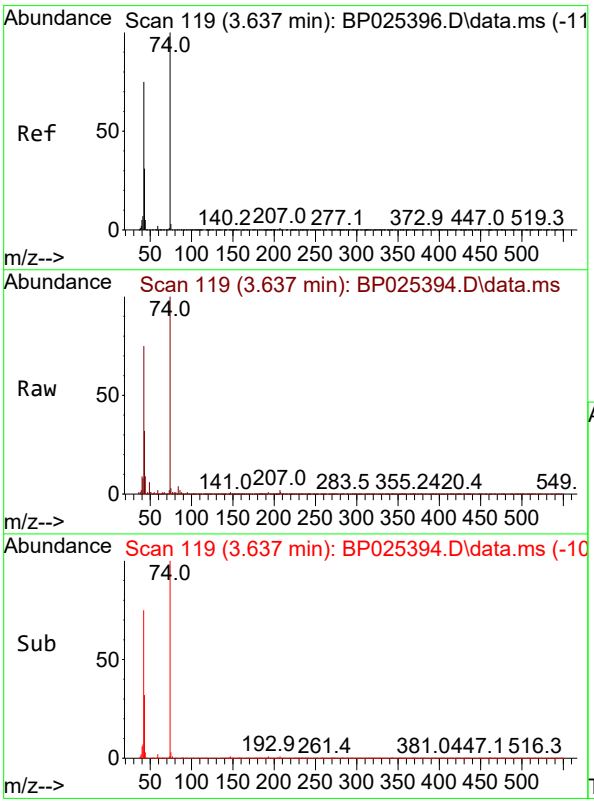
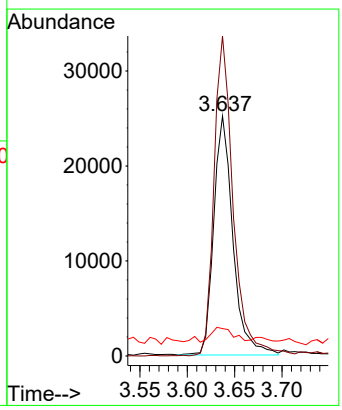
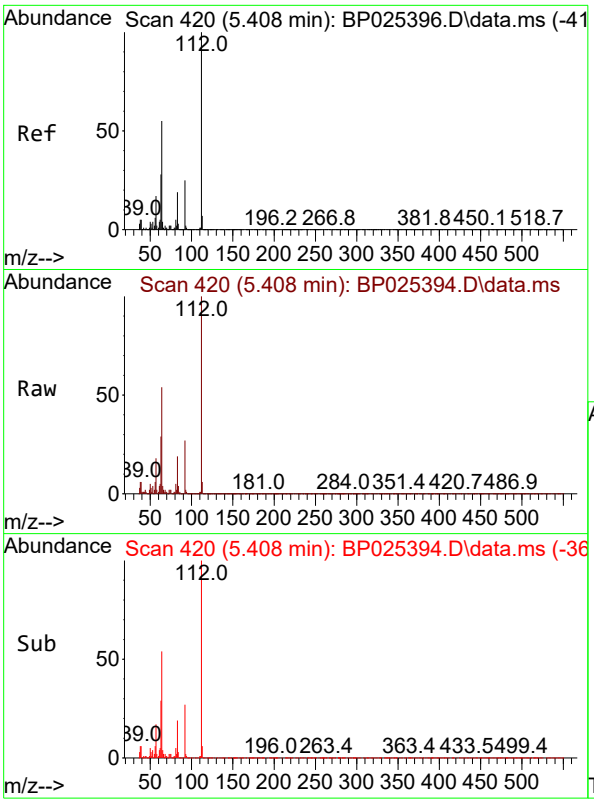


#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 42 Resp: 35519

Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4#

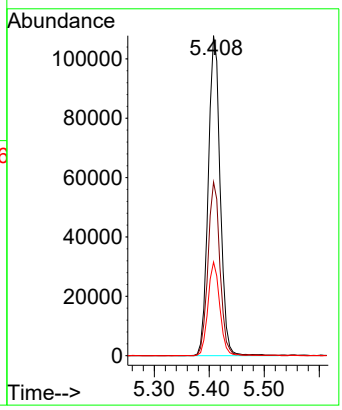




#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:112 Resp: 16228

Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.3	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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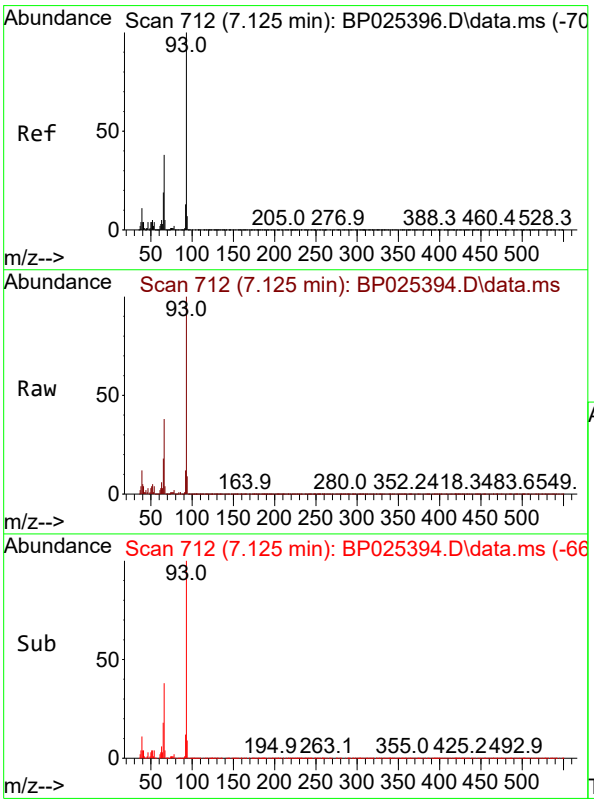
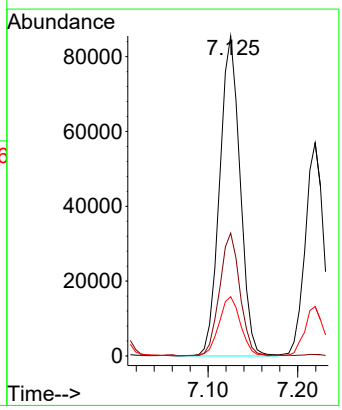
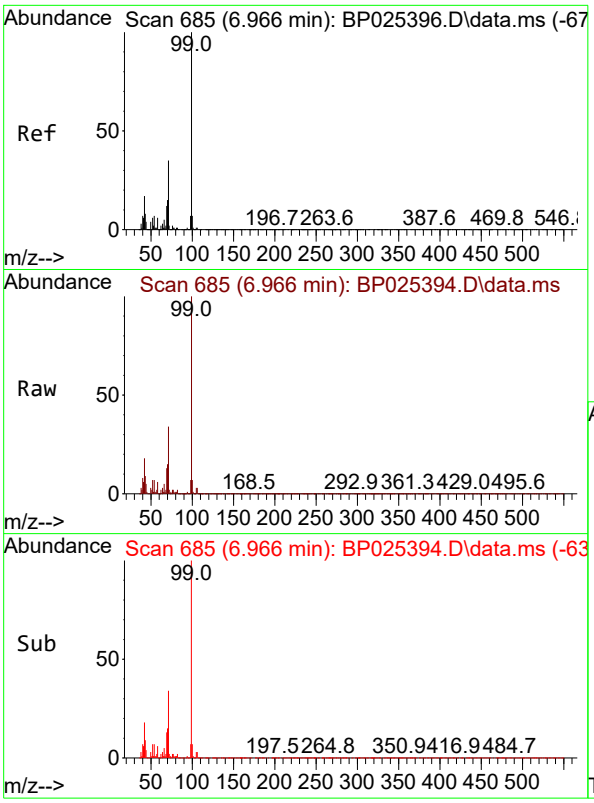


#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 135217

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.4	45.6
65	18.5	15.3	22.9

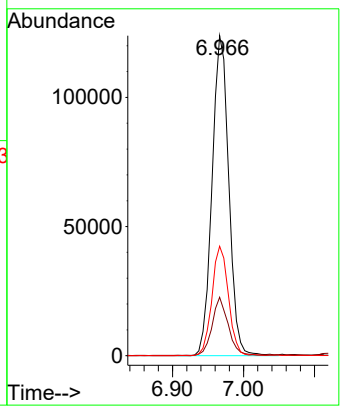




#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 99 Resp: 20220

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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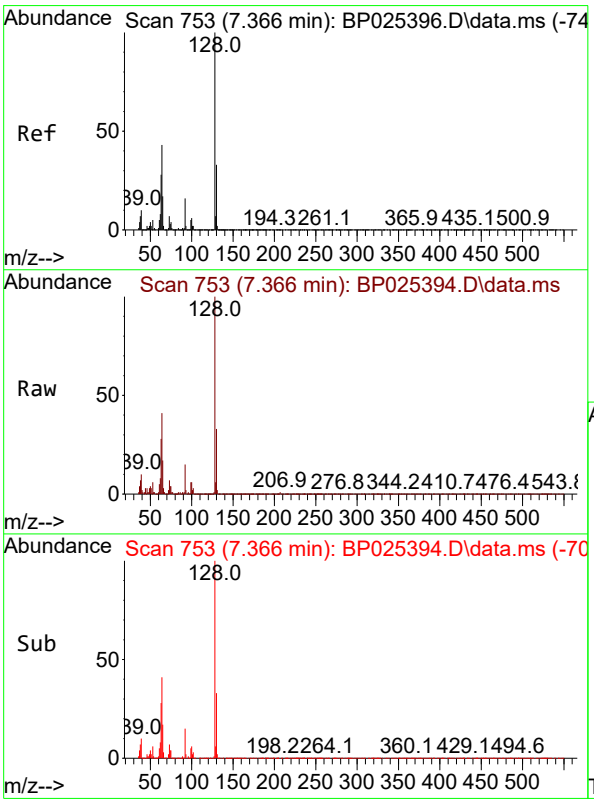
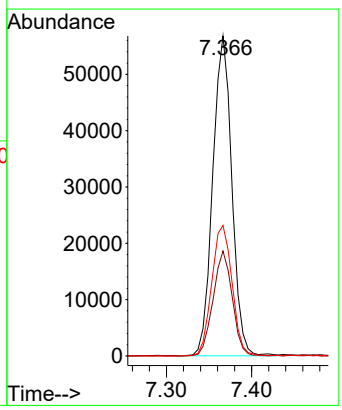
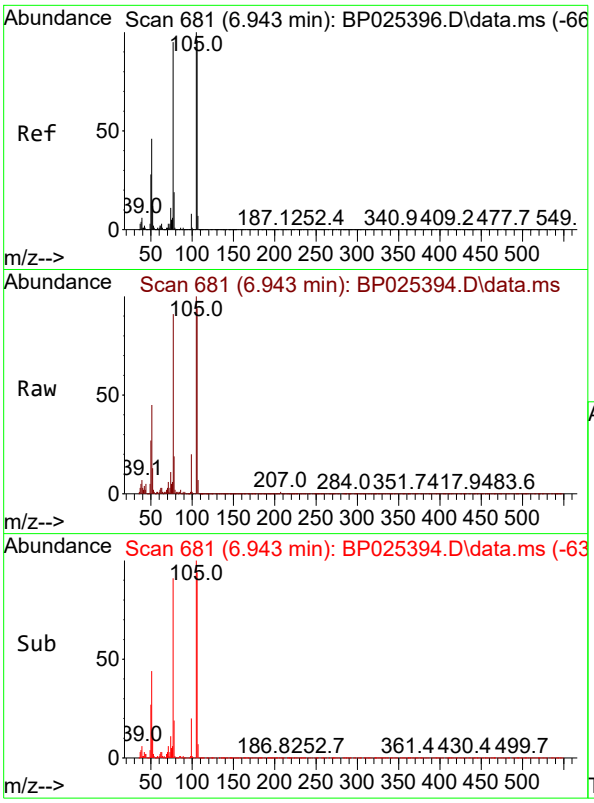


#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:128 Resp: 88413

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4

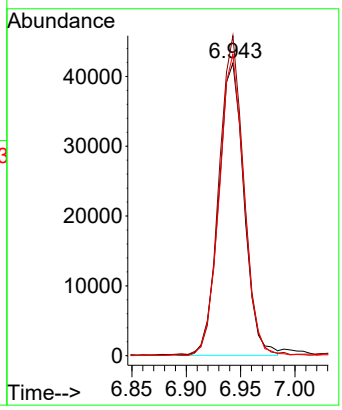




#9
Benzaldehyde
Concen: 9.129 ng m
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 6806

Ion	Ratio	Lower	Upper
77	100		
105	109.4	84.8	124.8
106	103.0	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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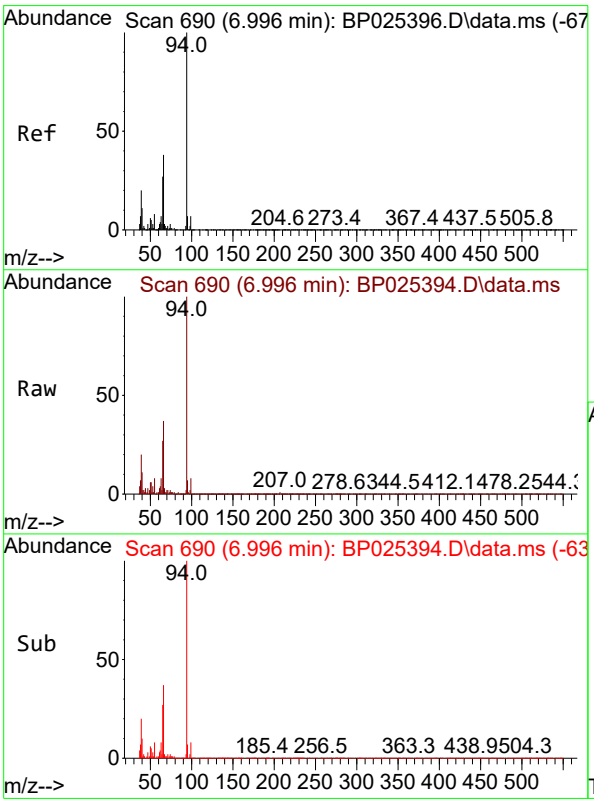
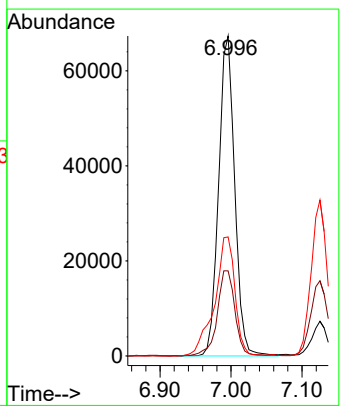
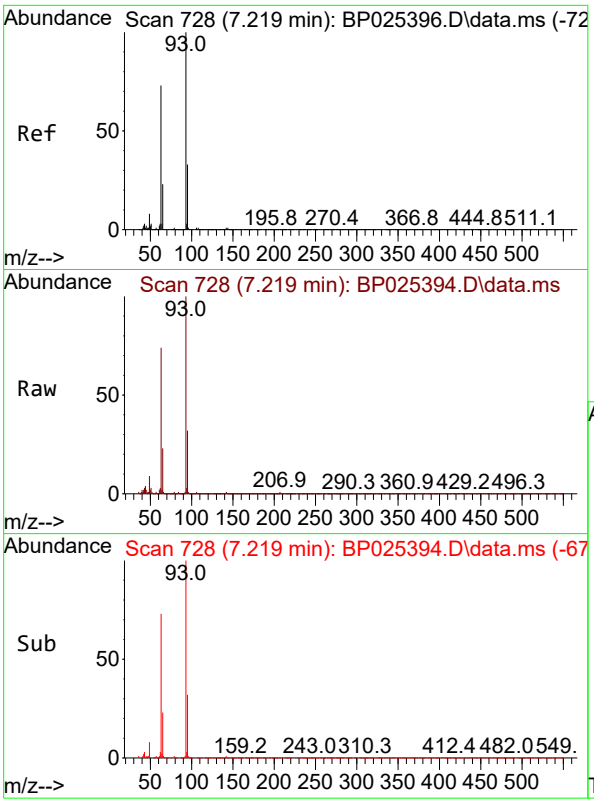


#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394

Ion	Ratio	Lower	Upper
94	100		
65	26.6	6.8	46.8
66	37.2	18.2	58.2

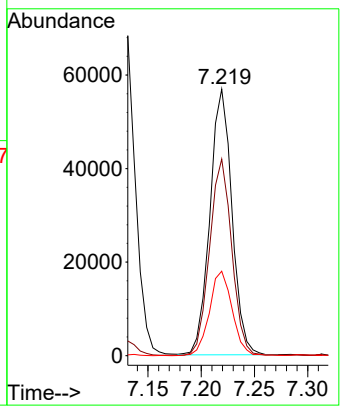




#11
bis(2-Chloroethyl)ether
Concen: 9.368 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 8154

Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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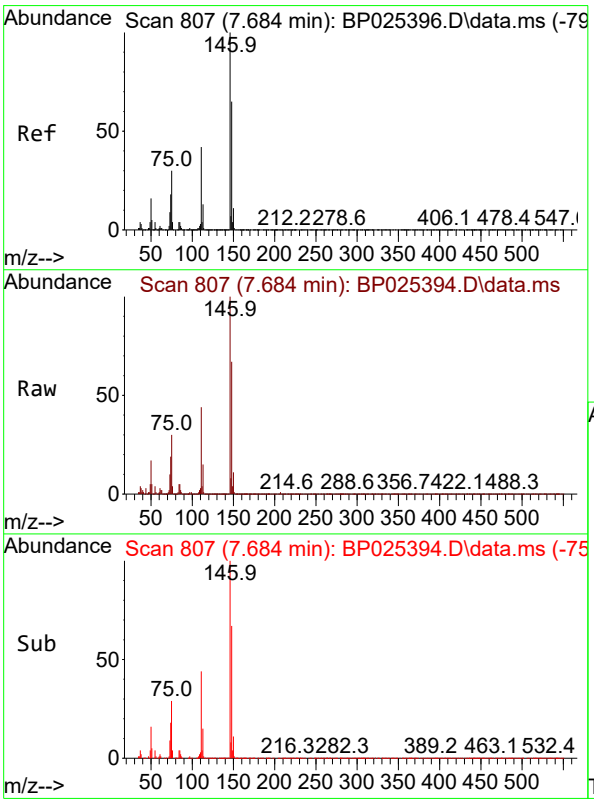
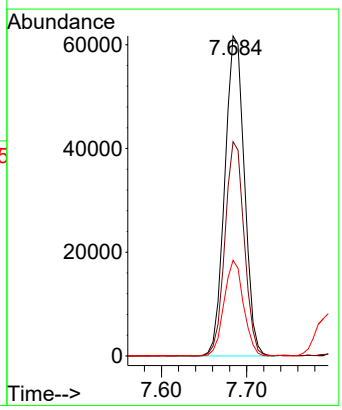
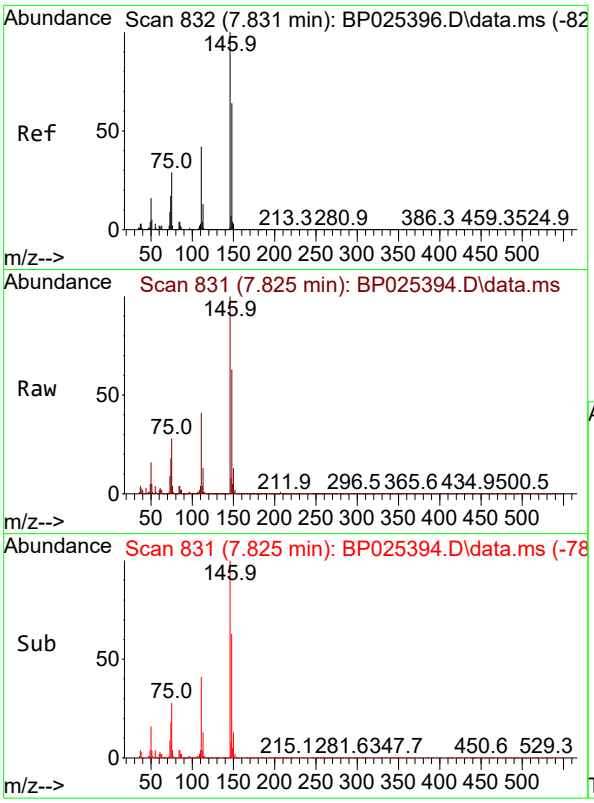


#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98782

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5

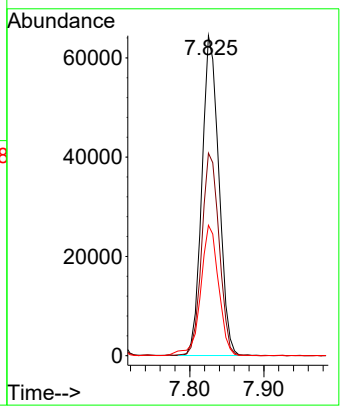




#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 10272

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	40.8	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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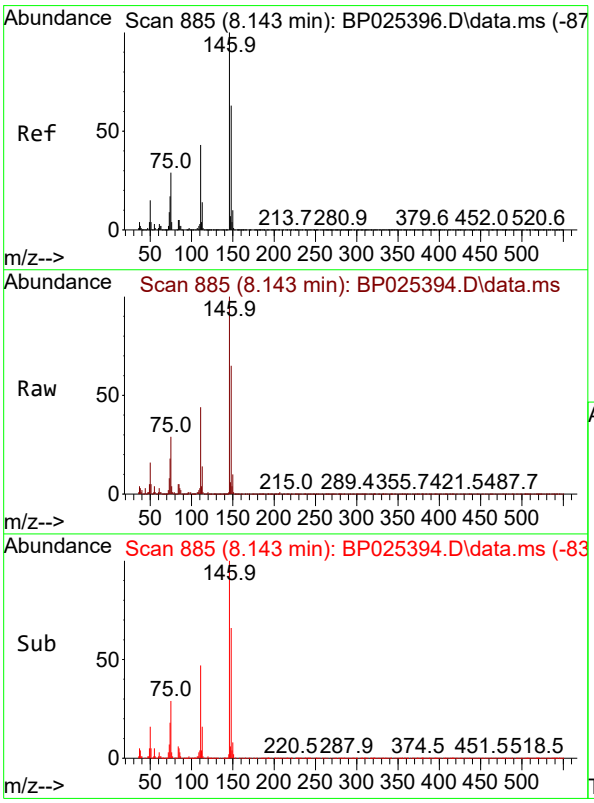
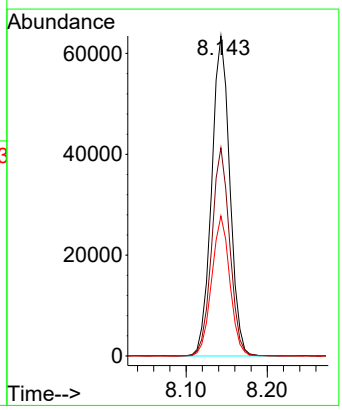
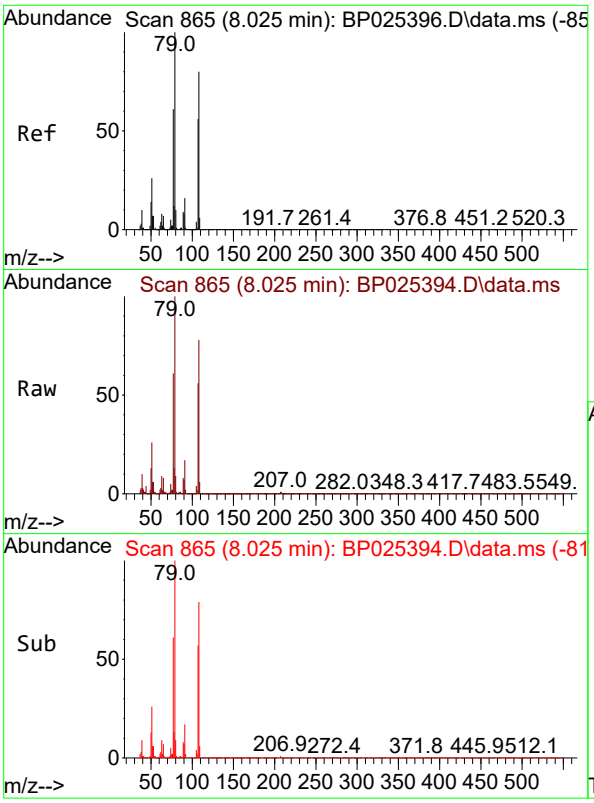


#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98589

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.4	75.6
111	43.7	34.5	51.7





#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 79 Resp: 7841

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	61.0	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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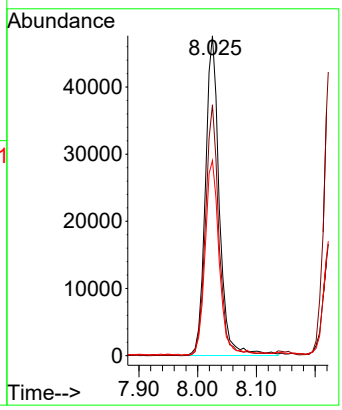
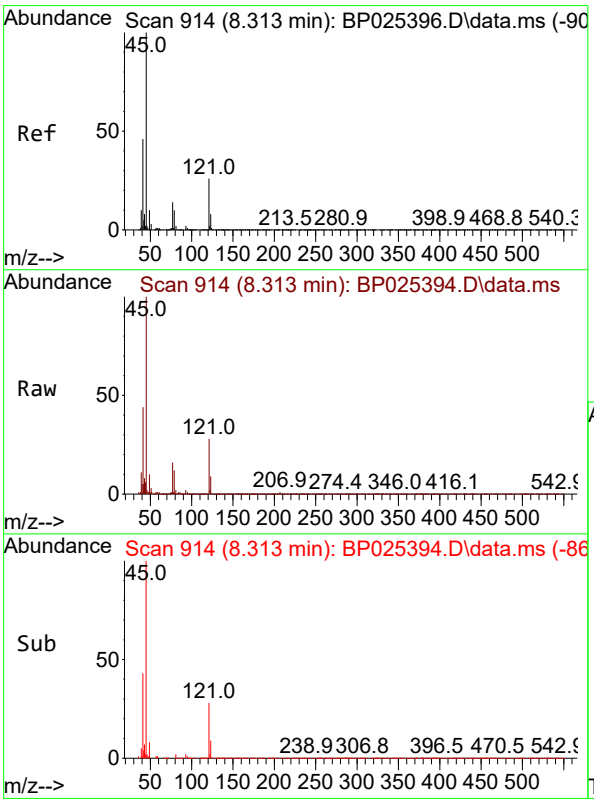
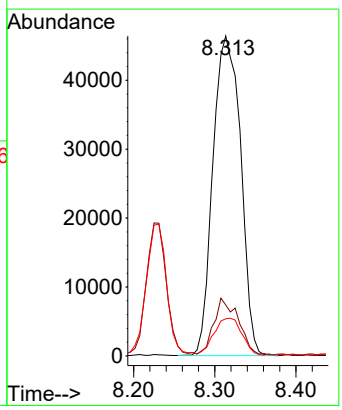


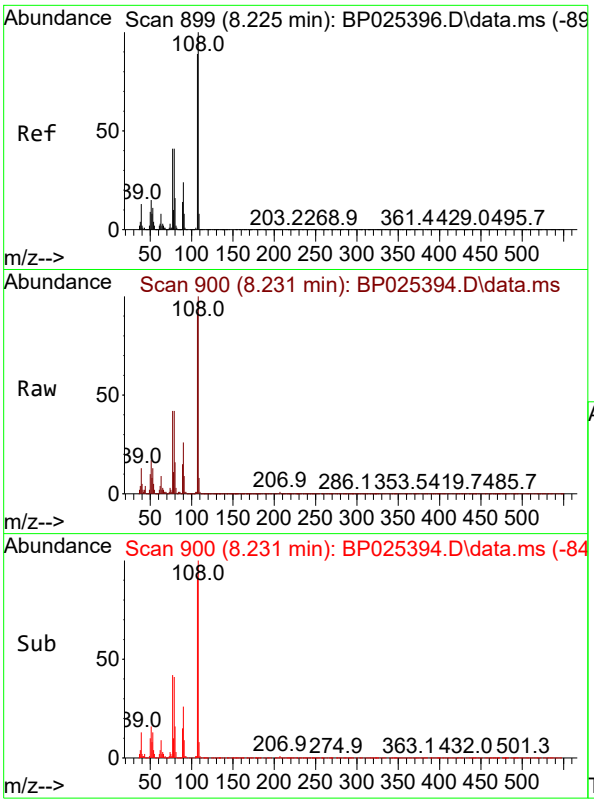


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 45 Resp: 109744

Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	35.3
79	11.6	0.0	31.8

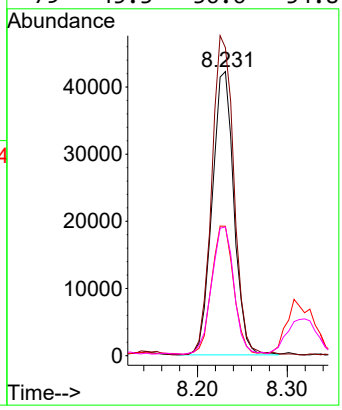




#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 7099

Ion	Ratio	Lower	Upper
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8



Instrument :
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ClientSampleId :
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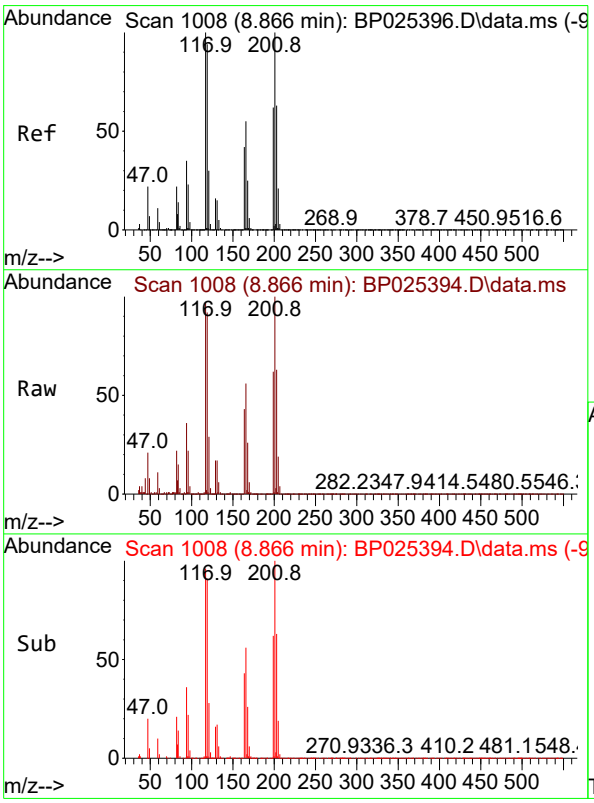
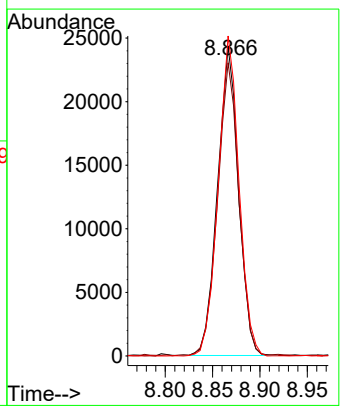
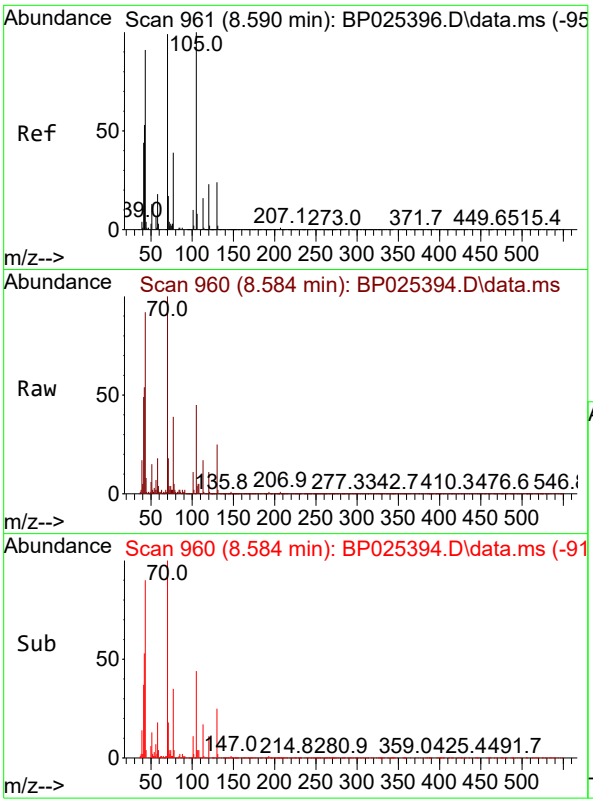


#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:117 Resp: 37473

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1

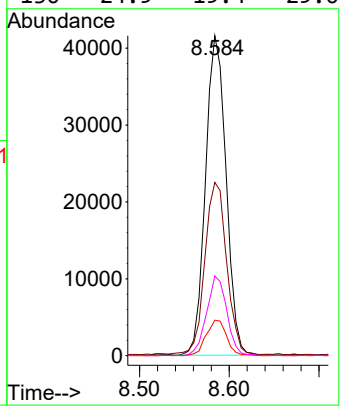




#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 70 Resp: 6610

Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0



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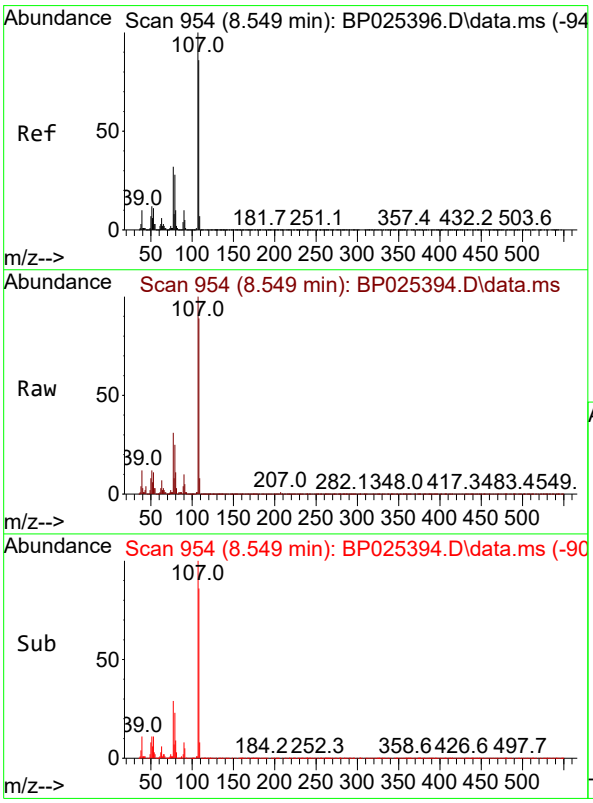
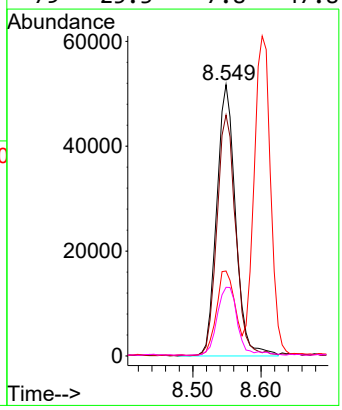
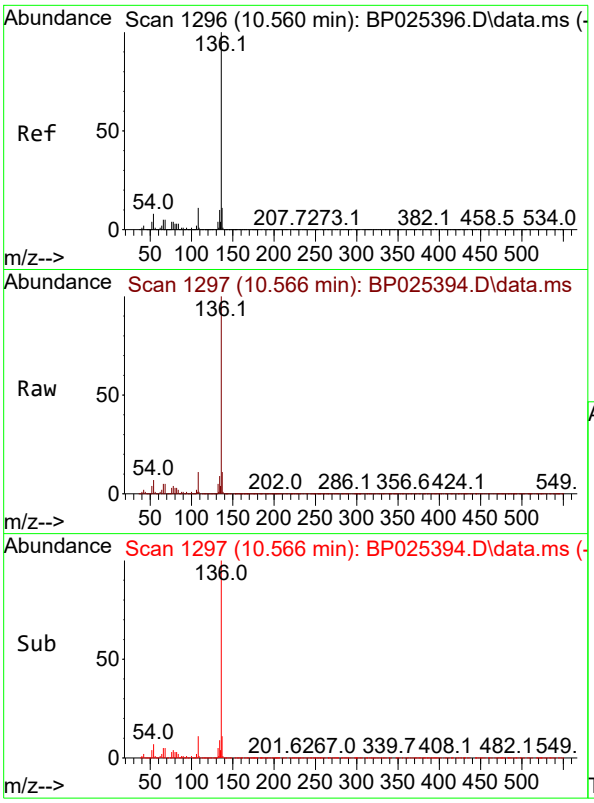


#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 99382

Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8

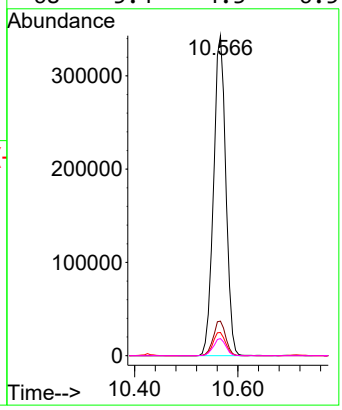




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:136 Resp: 56399

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5



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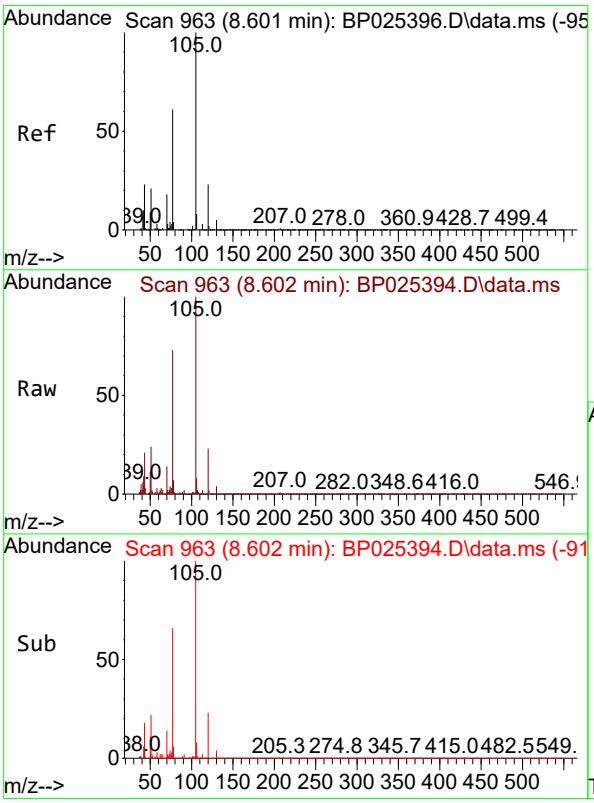
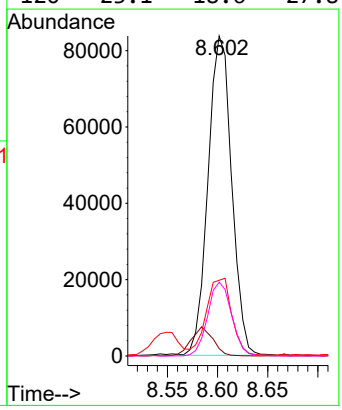
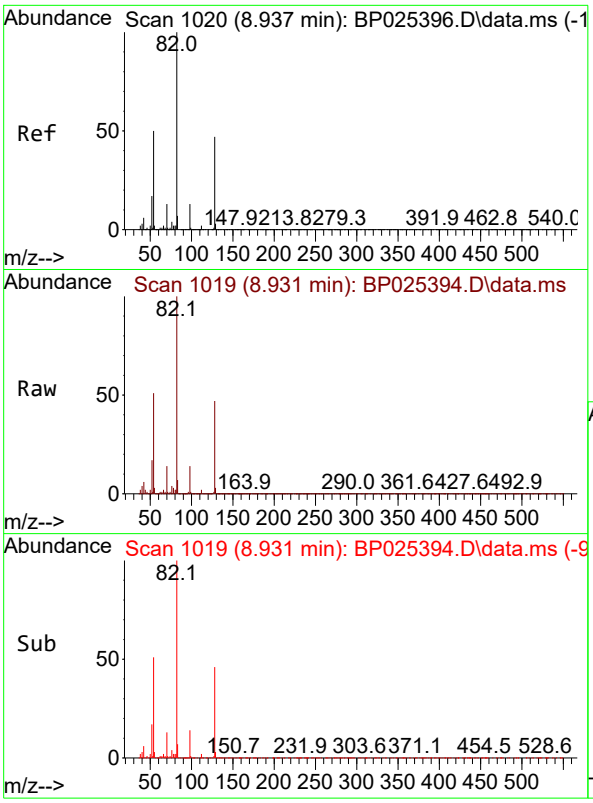


#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:105 Resp: 137361

Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8





#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 82 Resp: 21223

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	51.2	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
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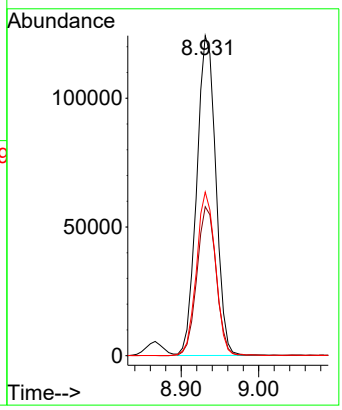
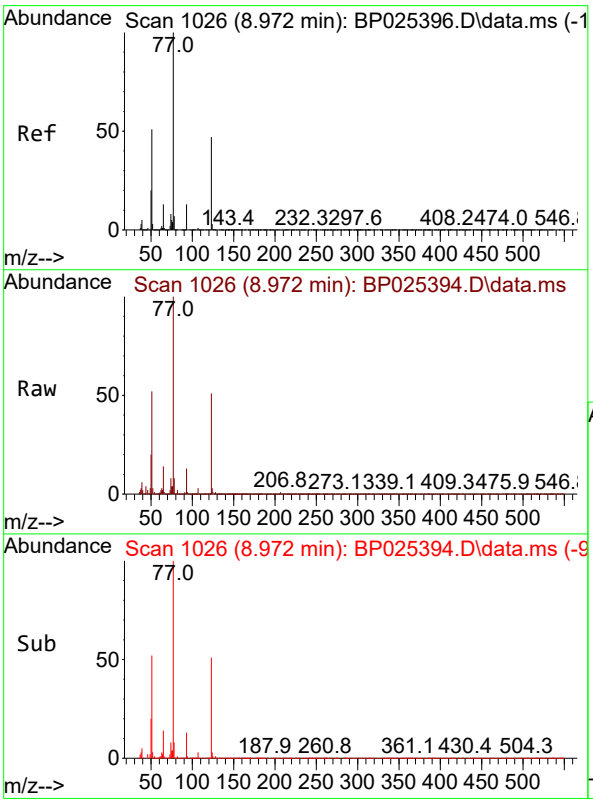
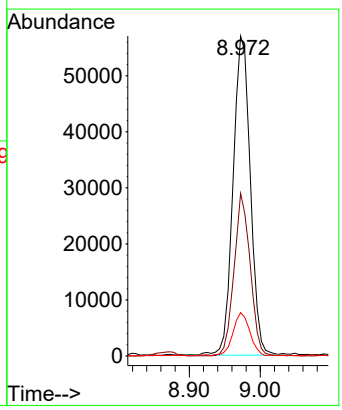


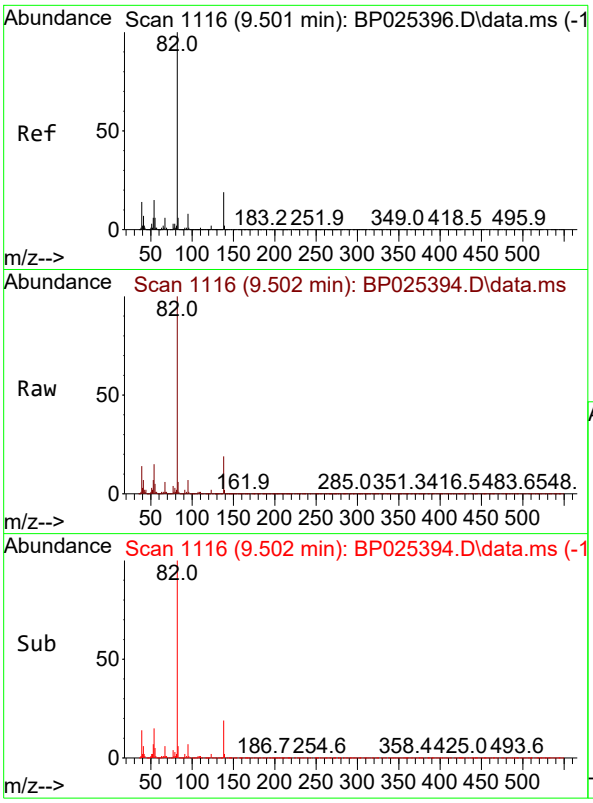


#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 96502

Ion	Ratio	Lower	Upper
77	100		
123	50.8	38.6	58.0
65	13.6	10.6	15.8

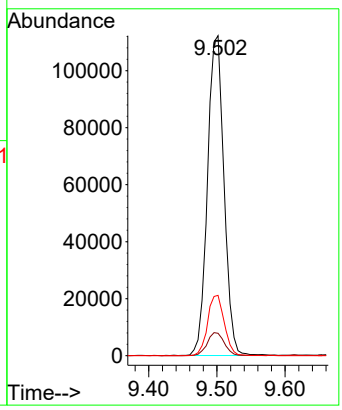




#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 82 Resp: 18951

Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.4	9.6
138	18.8	15.4	23.0



Instrument :
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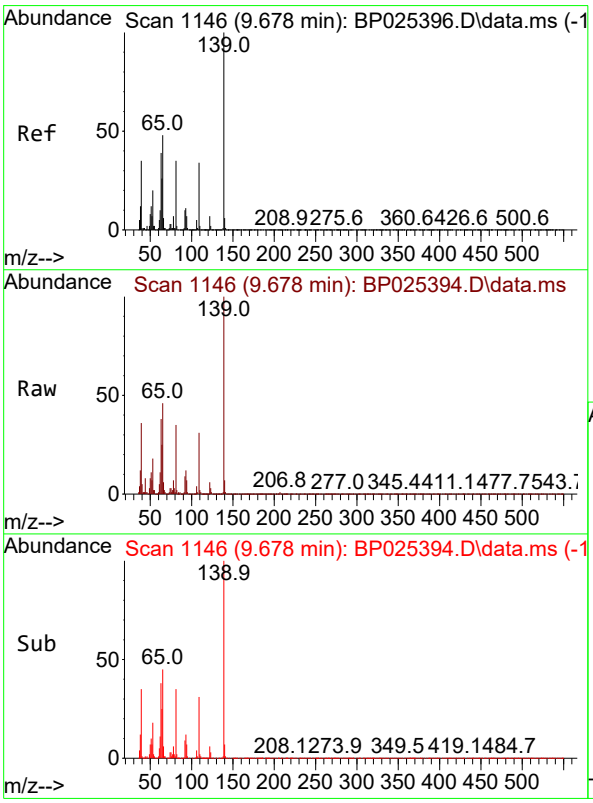
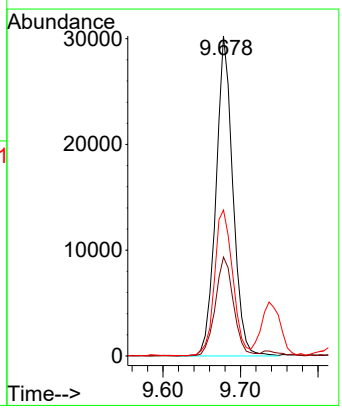
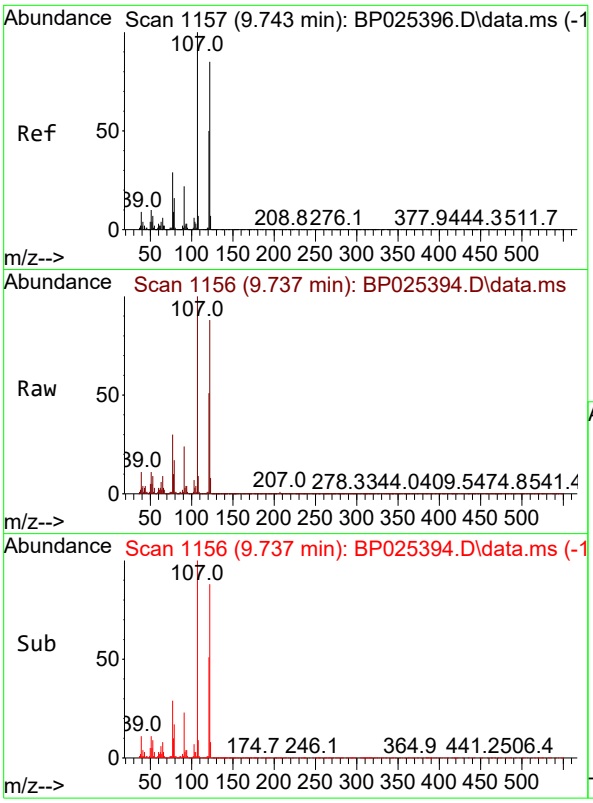


#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 45860

Ion	Ratio	Lower	Upper
139	100		
109	30.9	26.9	40.3
65	45.6	38.3	57.5

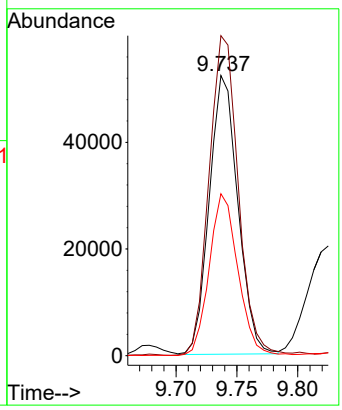




#27
2,4-Dimethylphenol
Concen: 9.718 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 8546

Ion	Ratio	Lower	Upper
122	100		
107	114.2	93.7	140.5
121	57.8	46.6	69.8



Instrument :
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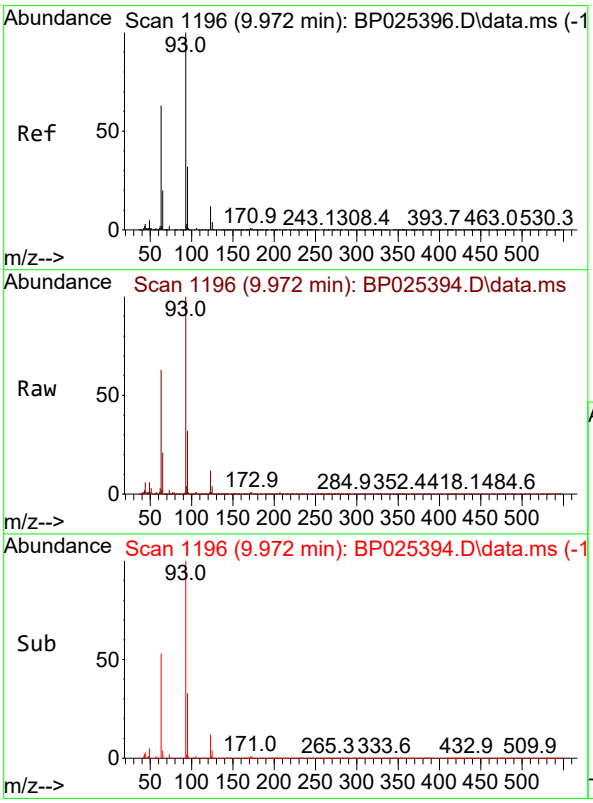
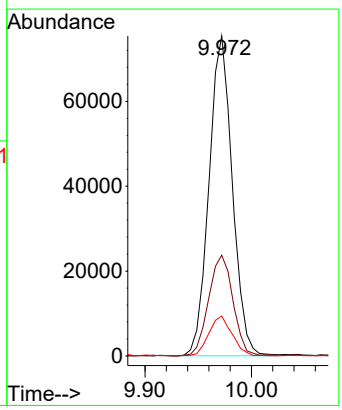
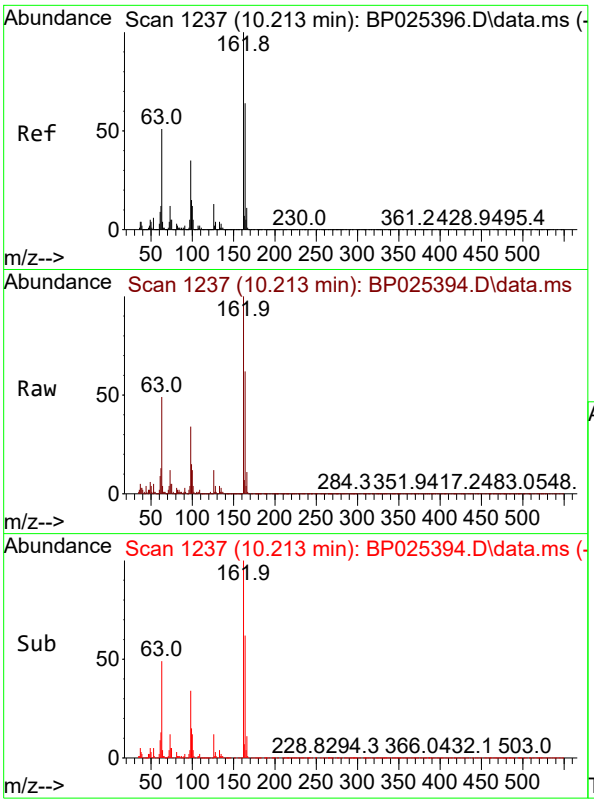


#28
bis(2-Chloroethoxy)methane
Concen: 9.611 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 114635

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.4	38.0
123	12.5	9.4	14.0

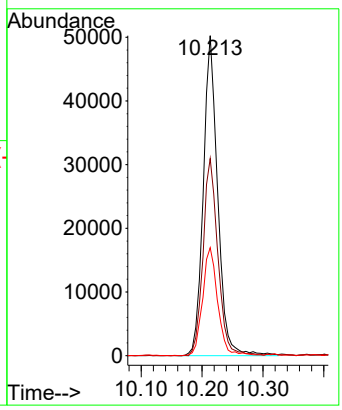




#29
2,4-Dichlorophenol
Concen: 9.464 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:162 Resp: 8267

Ion	Ratio	Lower	Upper
162	100		
164	61.6	44.4	84.4
98	33.8	14.9	54.9



Instrument :
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ClientSampleId :
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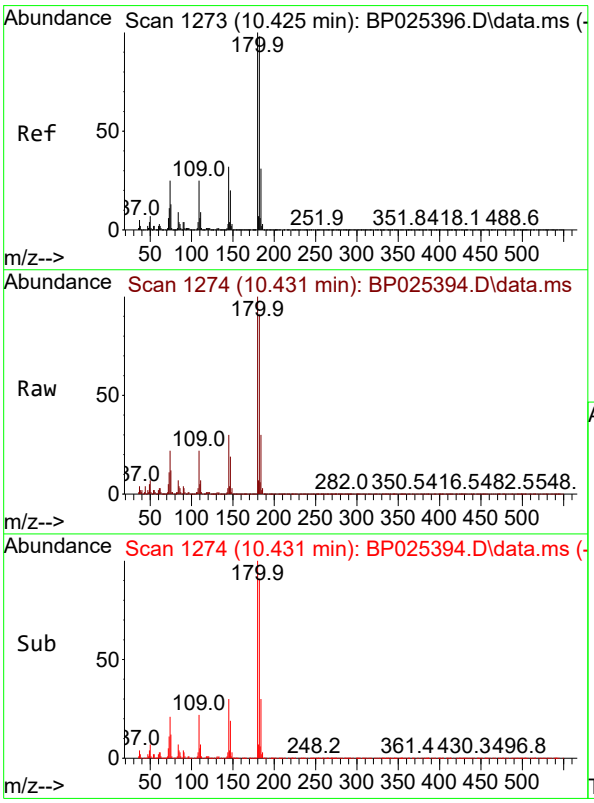
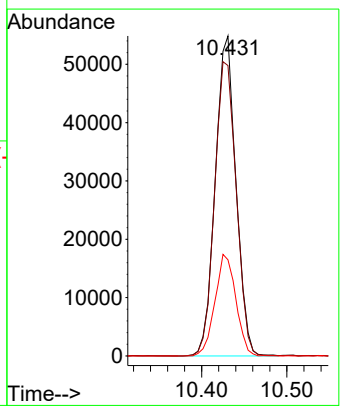
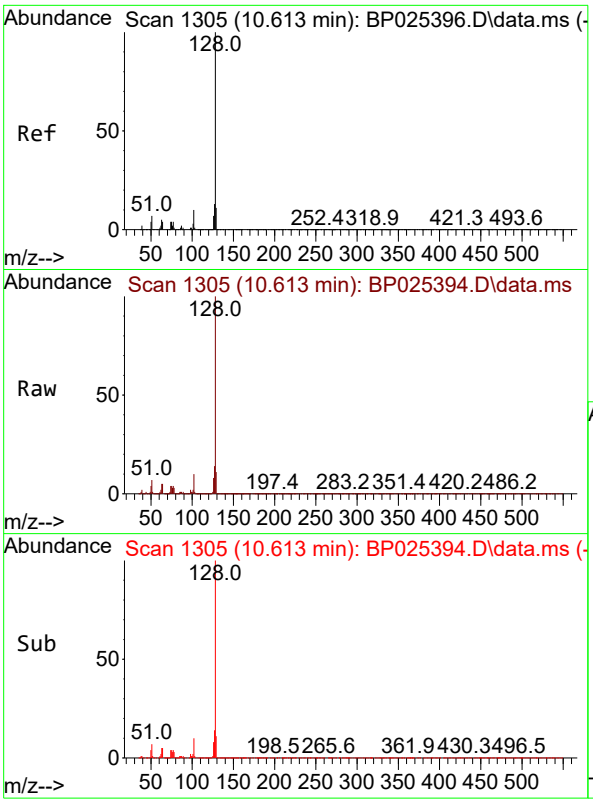


#30
1,2,4-Trichlorobenzene
Concen: 9.676 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:180 Resp: 92664

Ion	Ratio	Lower	Upper
180	100		
182	90.7	78.0	117.0
145	30.1	25.9	38.9

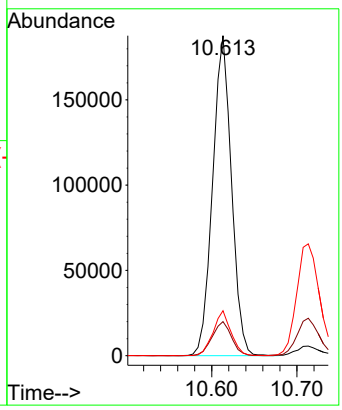




#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:128 Resp: 28775

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	14.0	10.7	16.1



Instrument :
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ClientSampleId :
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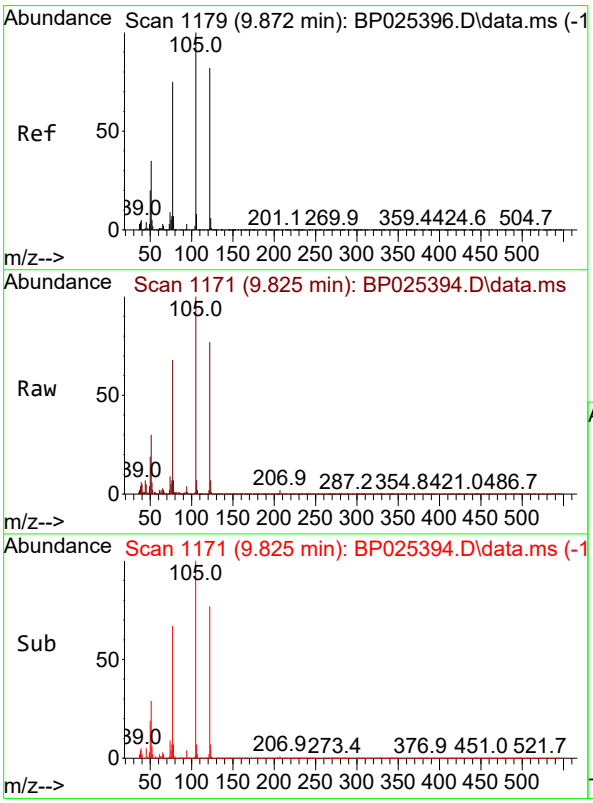
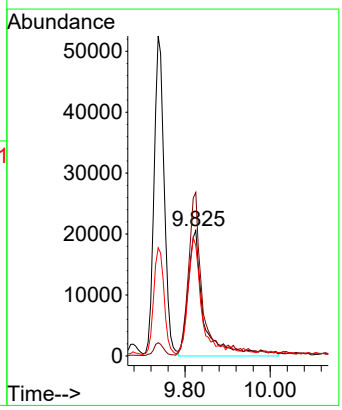
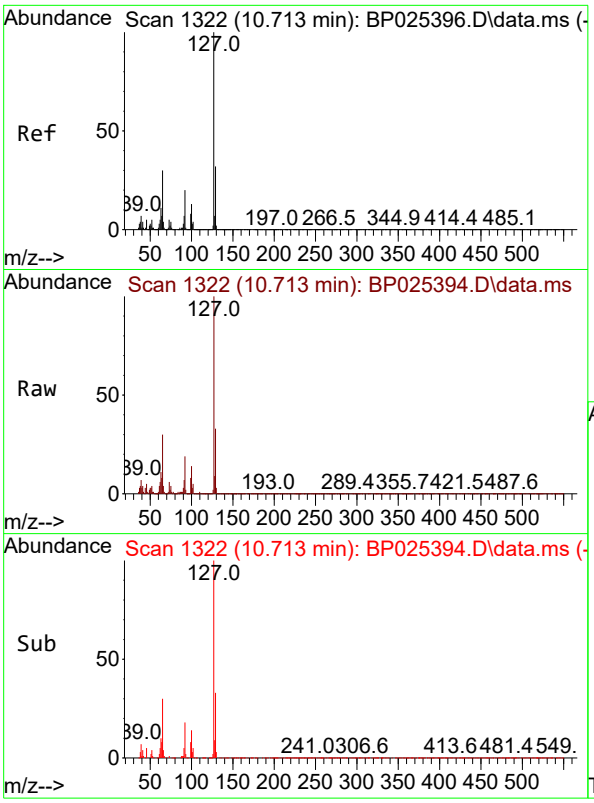


#32
Benzoic acid
Concen: 8.188 ng m
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 53034

Ion	Ratio	Lower	Upper
122	100		
105	130.4	100.6	140.6
77	88.0	71.5	111.5

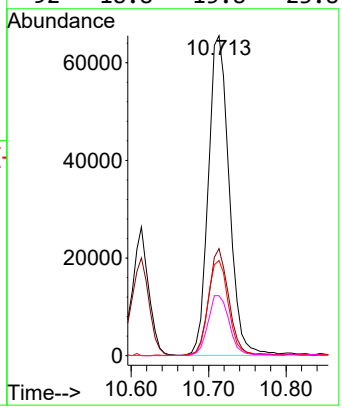




#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:127 Resp: 12264

Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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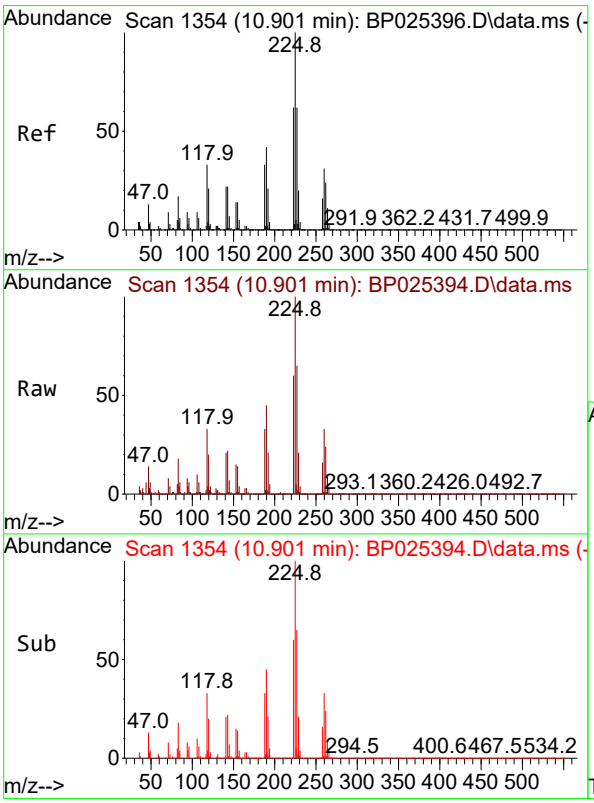
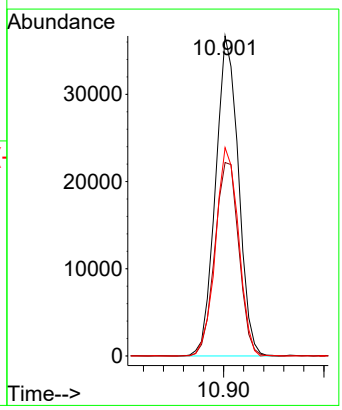
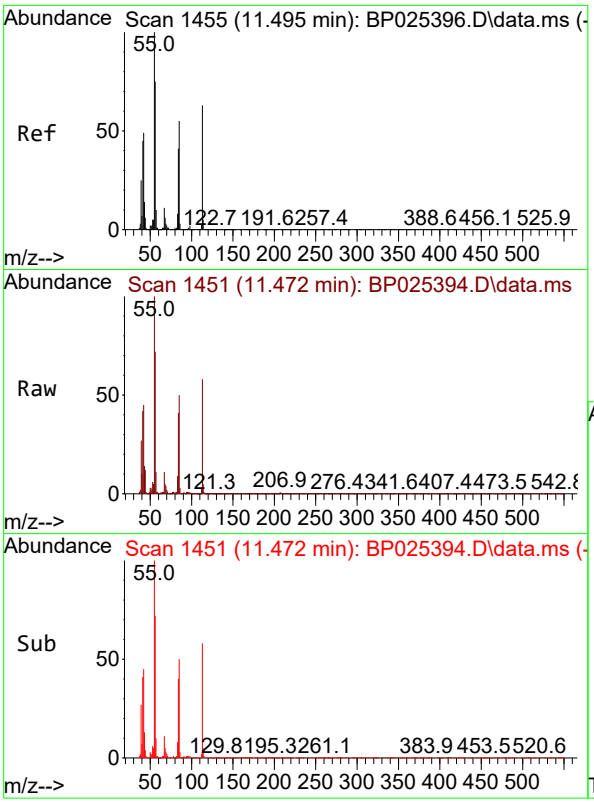


#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:225 Resp: 57821

Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5

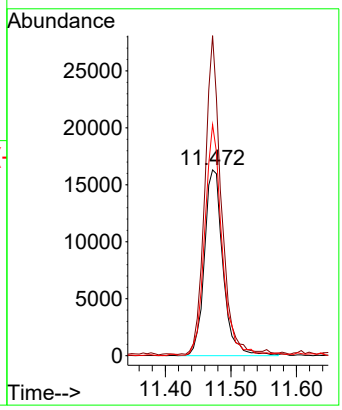




#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:113 Resp: 3203

Ion	Ratio	Lower	Upper
113	100		
55	172.3	140.0	180.0
56	124.4	100.0	140.0



Instrument :
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ClientSampleId :
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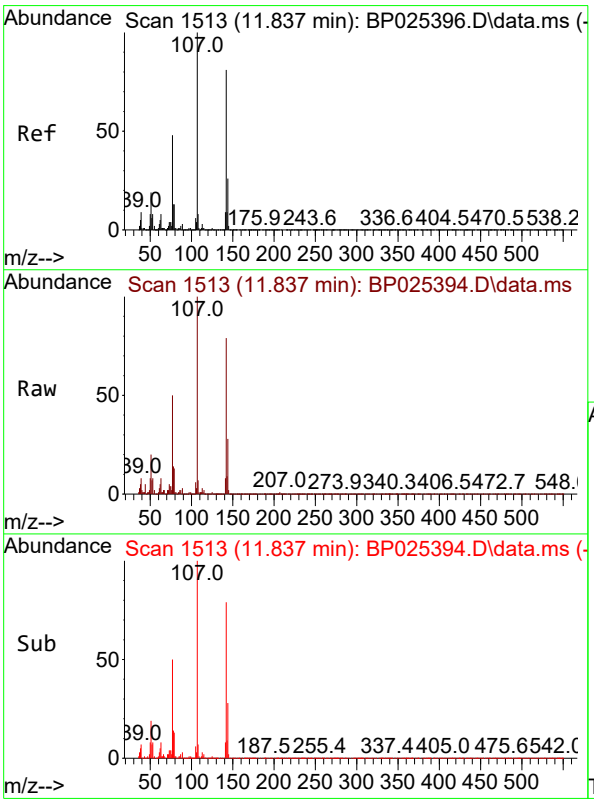
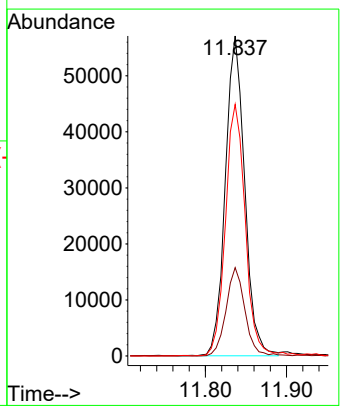
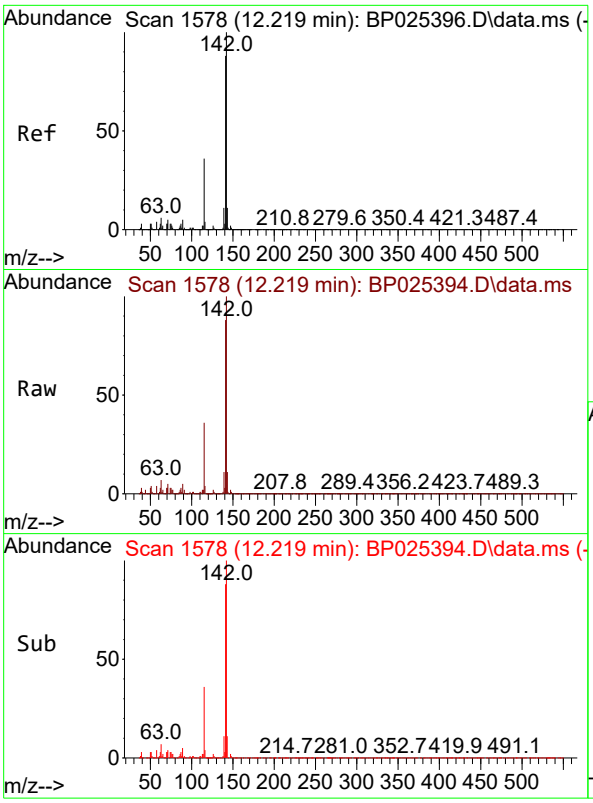


#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 94538

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.0	31.4
142	78.6	64.6	97.0

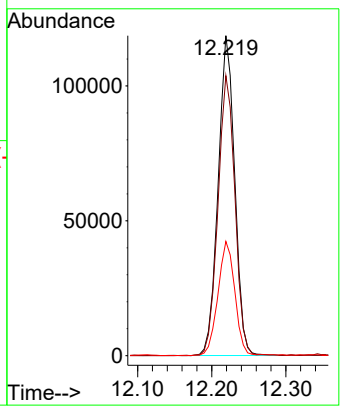




#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 18417

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	35.7	28.9	43.3



Instrument :
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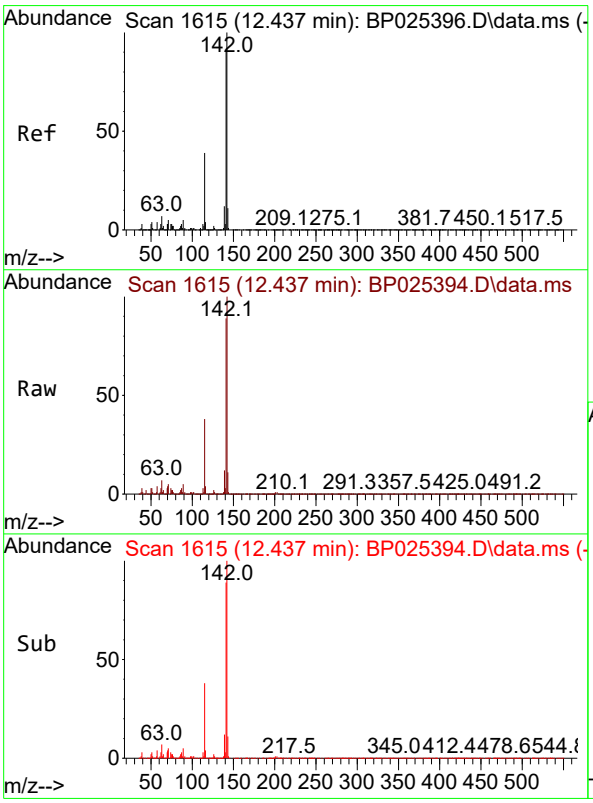
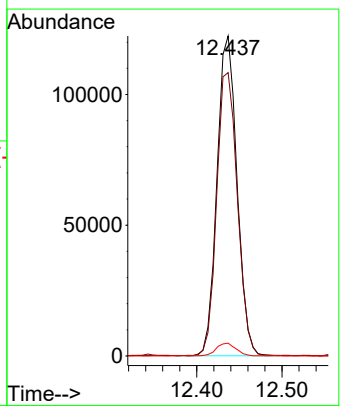
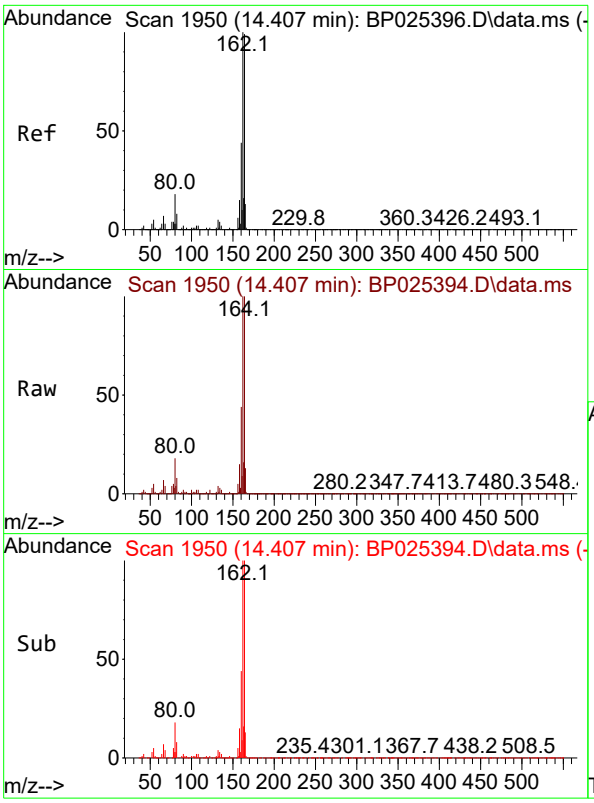


#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160

Ion	Ratio	Lower	Upper
142	100		
141	88.6	73.1	109.7
116	4.0	3.2	4.8

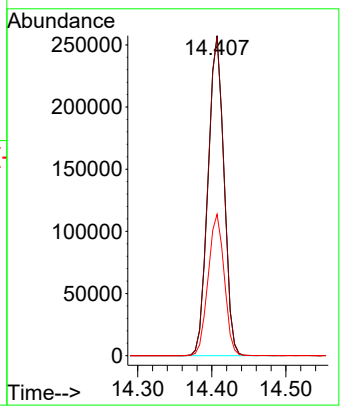




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:164 Resp: 383199

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.6
160	44.2	35.4	53.2



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ClientSampleId :
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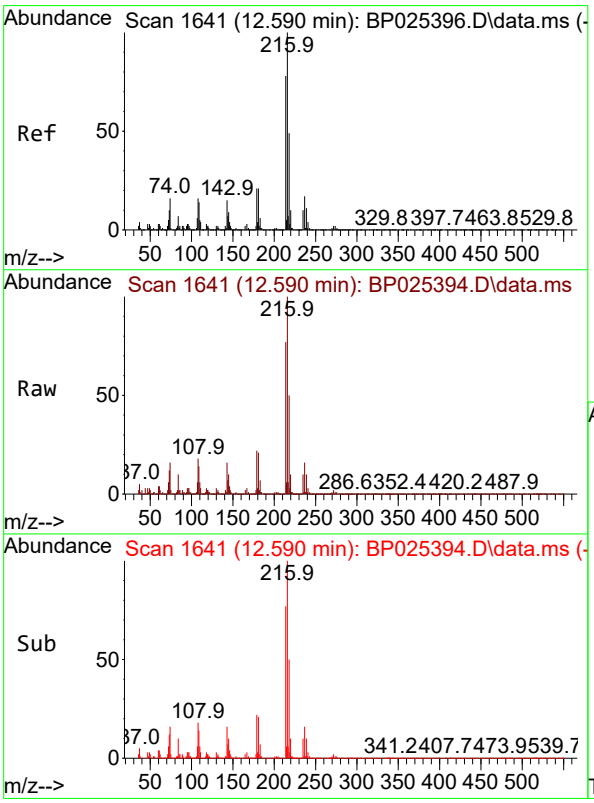
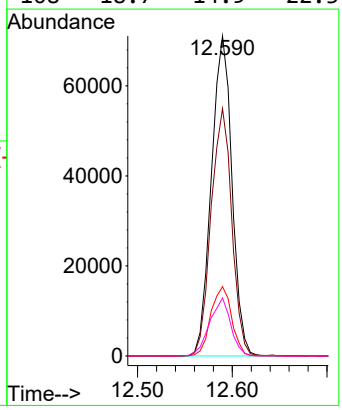
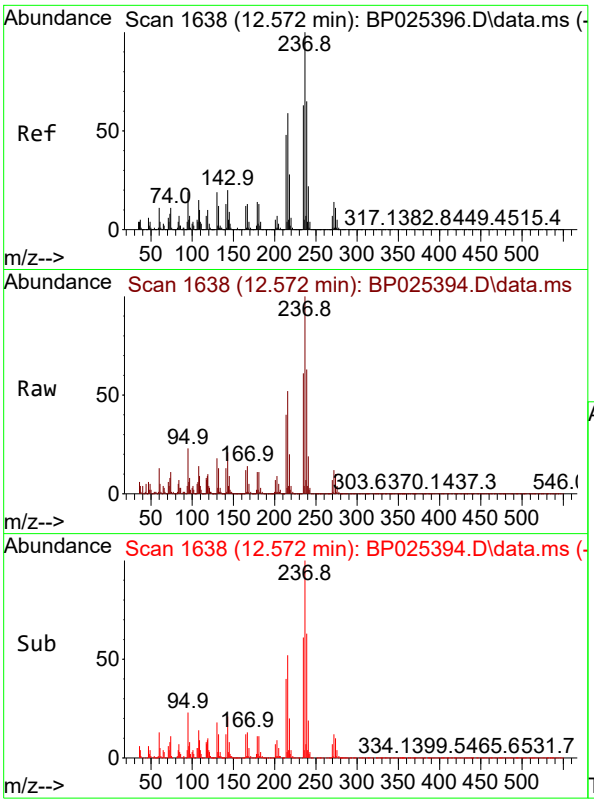


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:216 Resp: 107104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.0	94.4
179	22.0	17.1	25.7
108	18.7	14.9	22.3

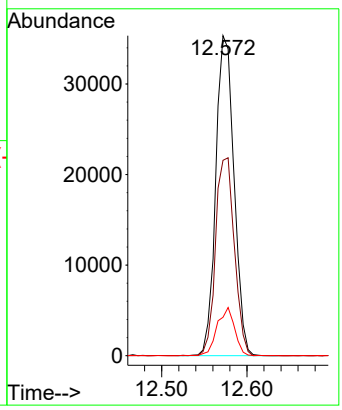




#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:237 Resp: 5258

Ion	Ratio	Lower	Upper
237	100		
235	61.1	42.7	82.7
272	12.0	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
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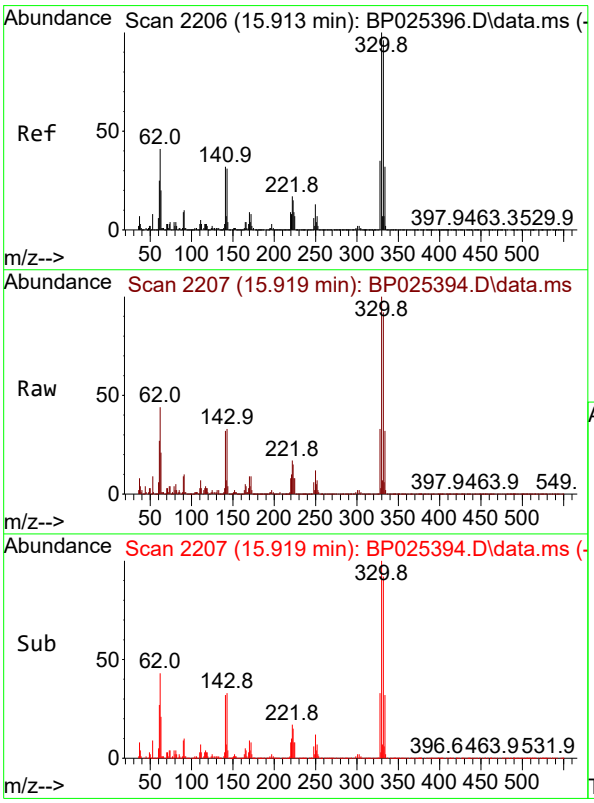
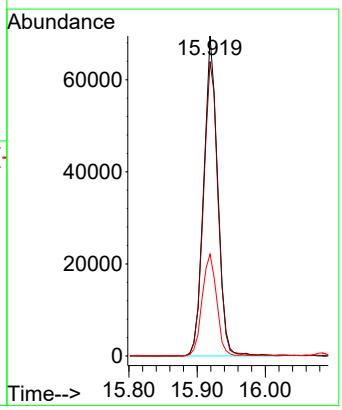
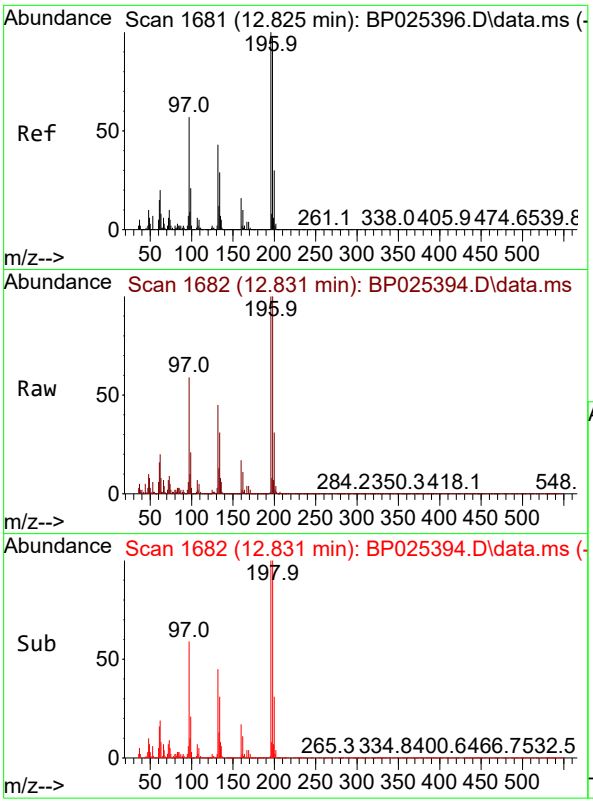


#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:330 Resp: 99083

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	33.1	26.6	39.8

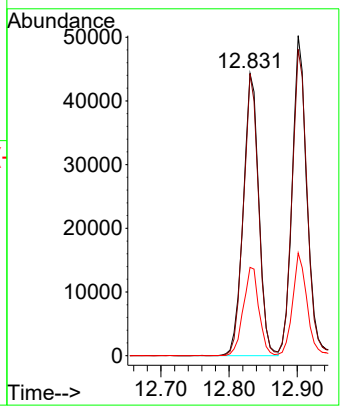




#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 6978

Ion	Ratio	Lower	Upper
196	100		
198	99.9	77.2	115.8
200	31.3	23.9	35.9



Instrument :
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ClientSampleId :
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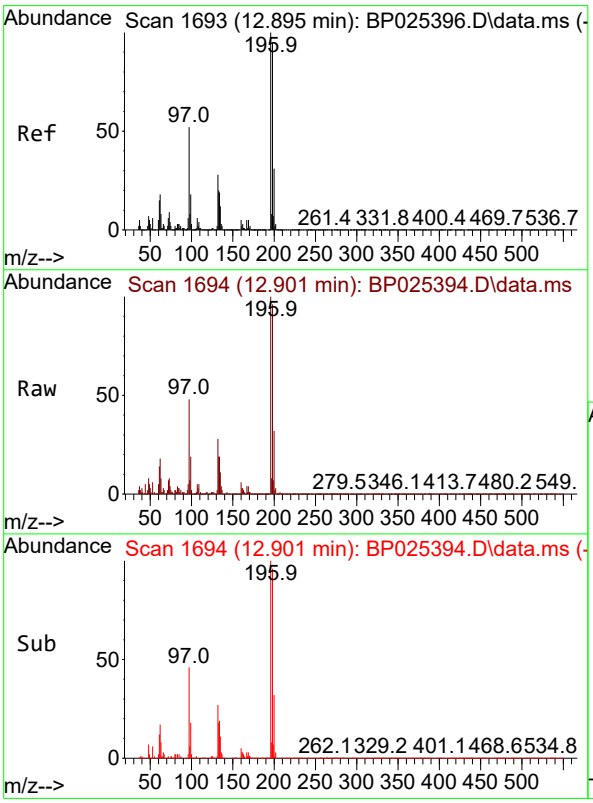
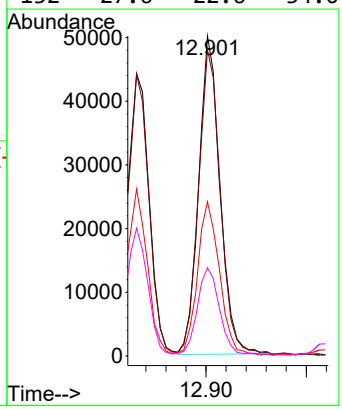
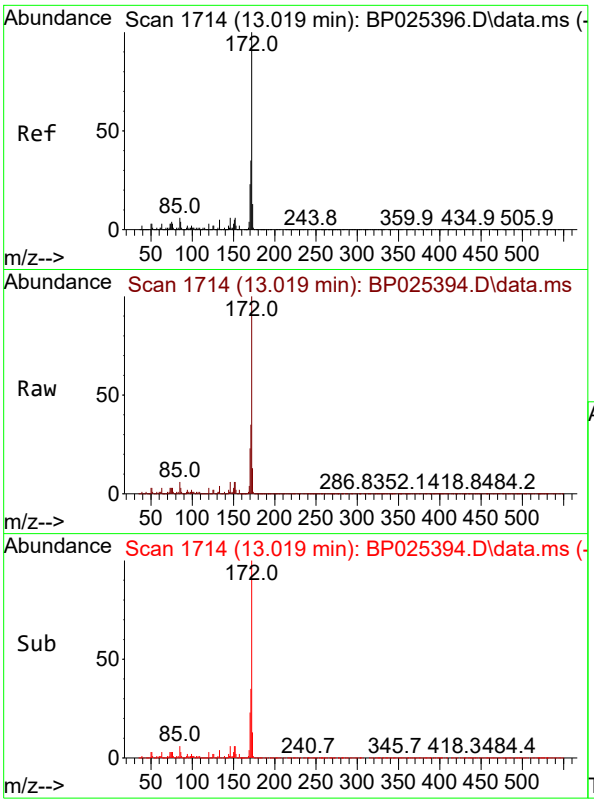


#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
97	48.2	41.2	61.8
132	27.6	22.6	34.0





#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:172 Resp: 56835

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	22.9	18.6	28.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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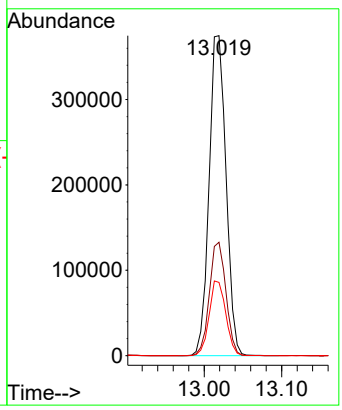
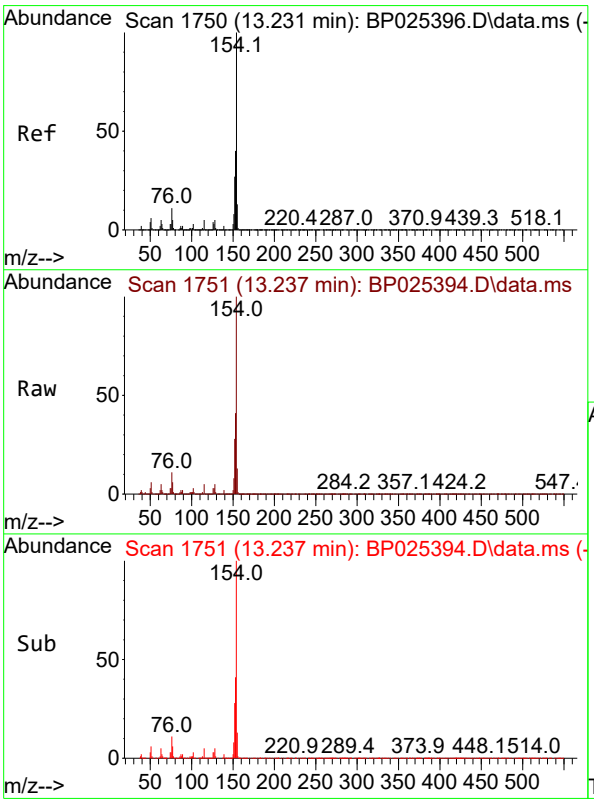
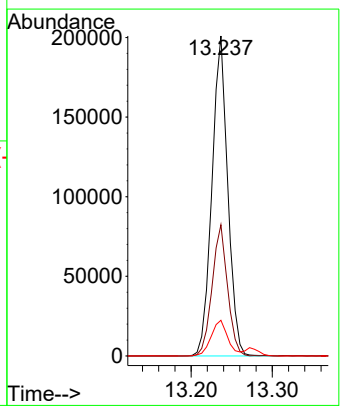


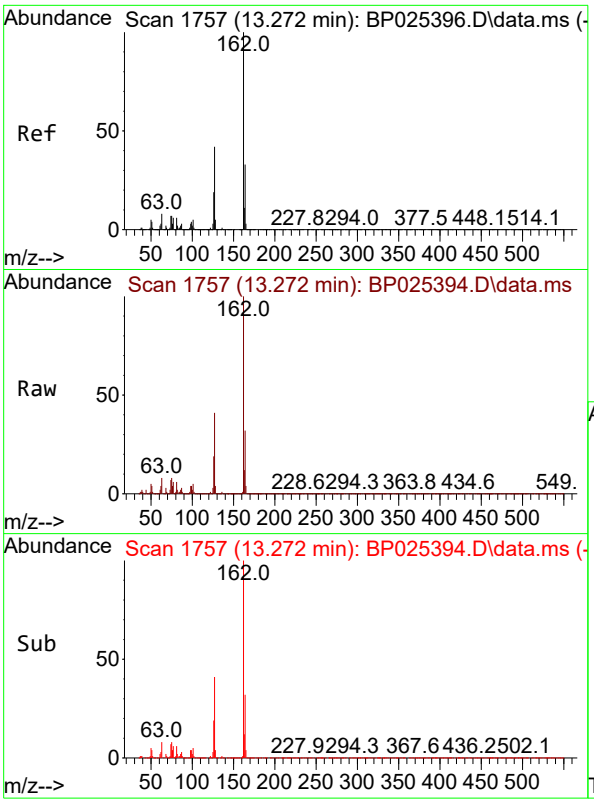


#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 271710

Ion	Ratio	Lower	Upper
154	100		
153	41.0	19.5	59.5
76	11.2	0.0	31.1

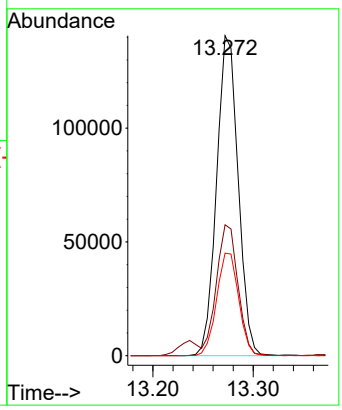




#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:162 Resp: 20941

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	32.0	26.2	39.2



Instrument :
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ClientSampleId :
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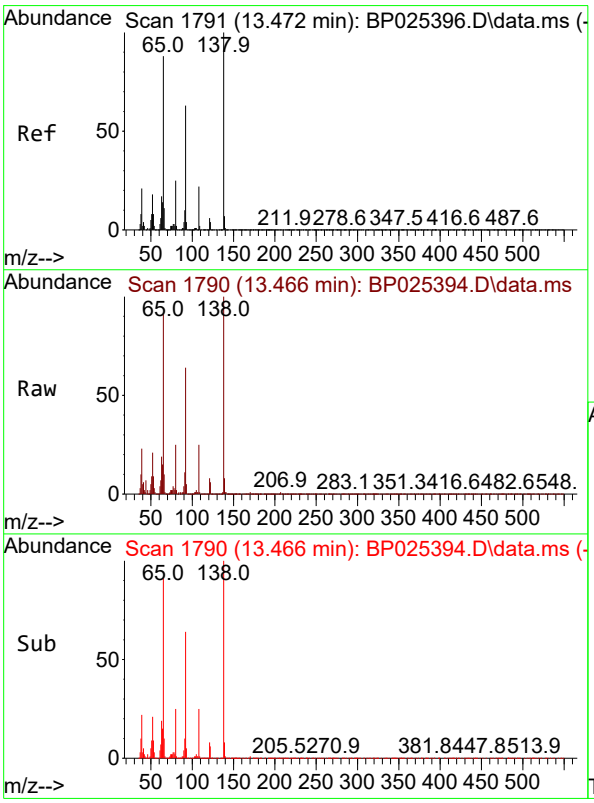
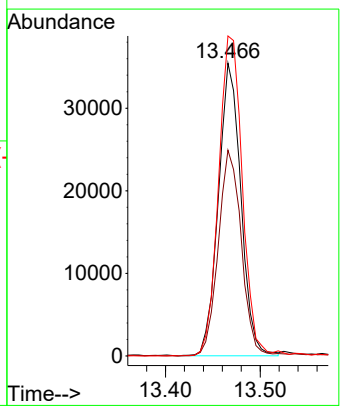
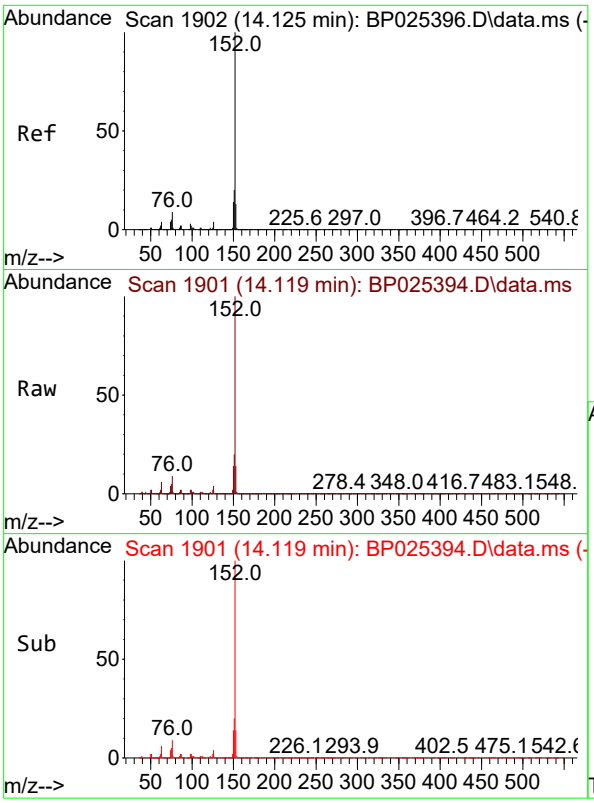


#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 65 Resp: 58630

Ion	Ratio	Lower	Upper
65	100		
92	70.3	57.6	86.4
138	109.3	91.0	136.6

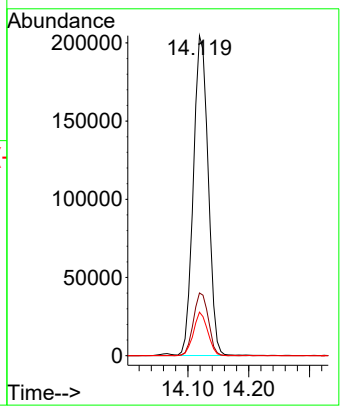




#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:152 Resp: 34602

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8



Instrument :
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ClientSampleId :
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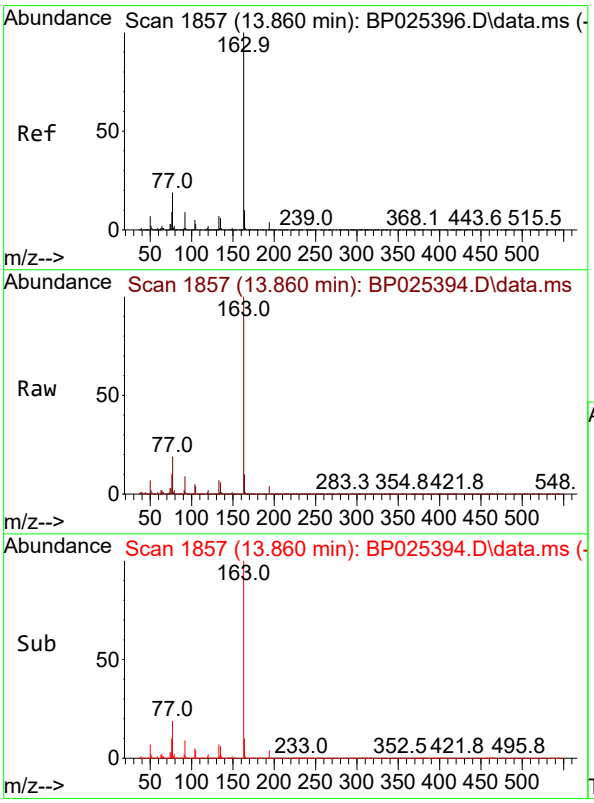
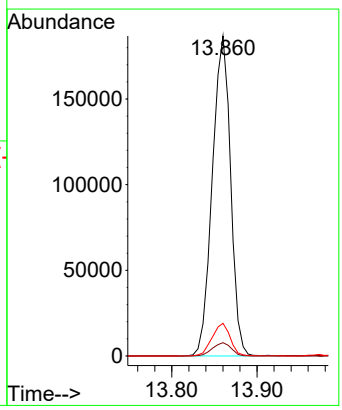
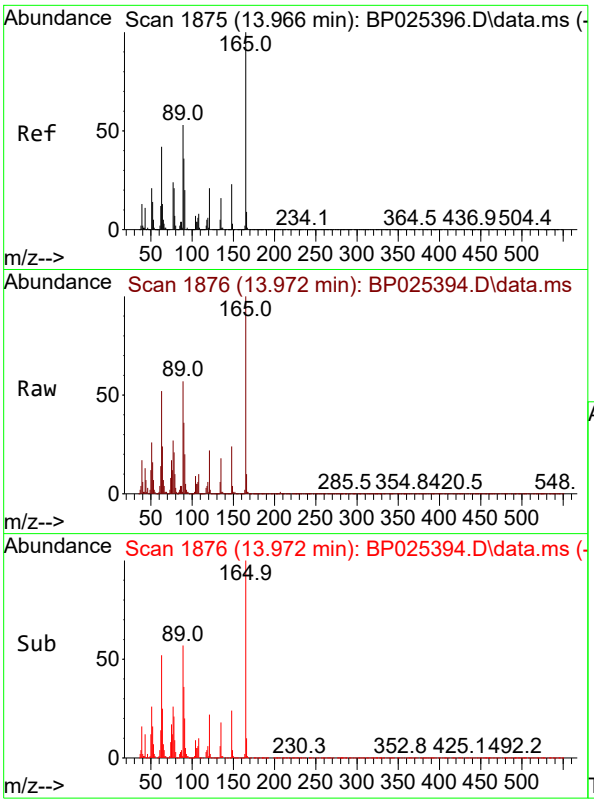


#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:163 Resp: 277701

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9

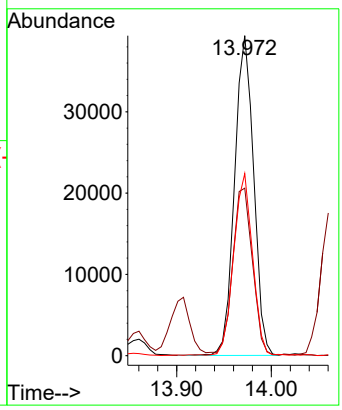




#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:165 Resp: 5495

Ion	Ratio	Lower	Upper
165	100		
63	52.3	40.9	61.3
89	56.9	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
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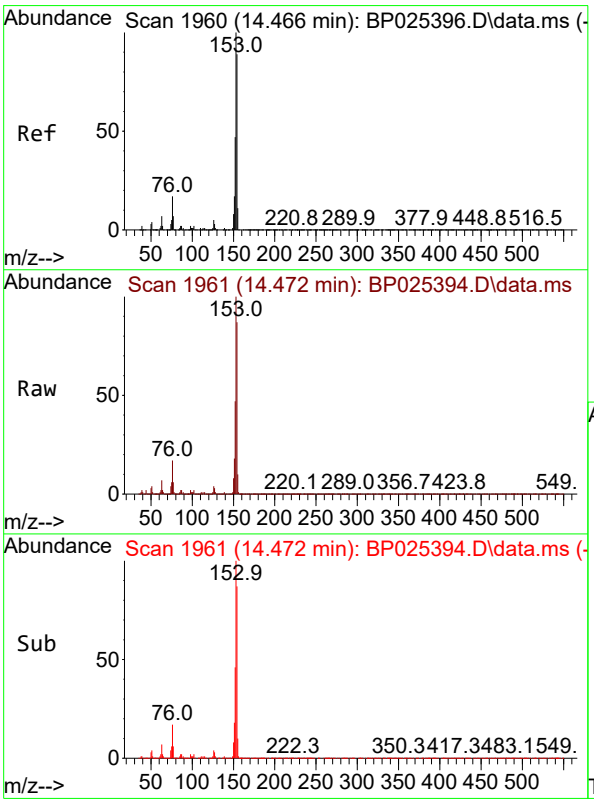
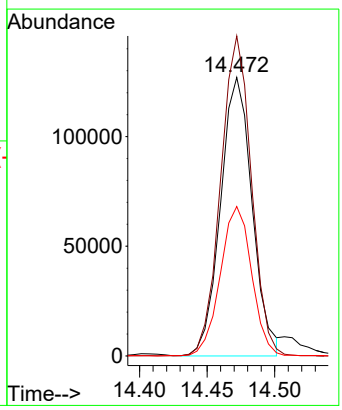
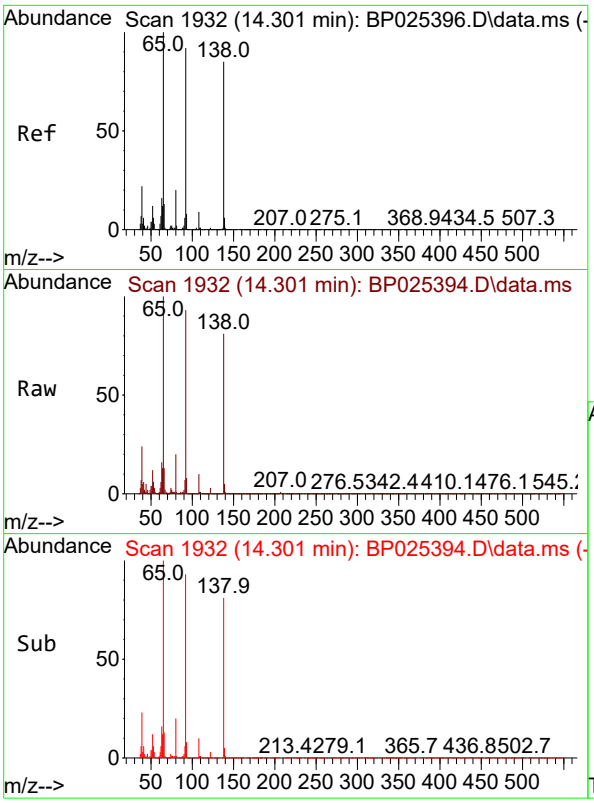


#52
Acenaphthene
Concen: 9.848 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 207239

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.2	135.2
152	53.6	42.1	63.1





#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 6299

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	114.9	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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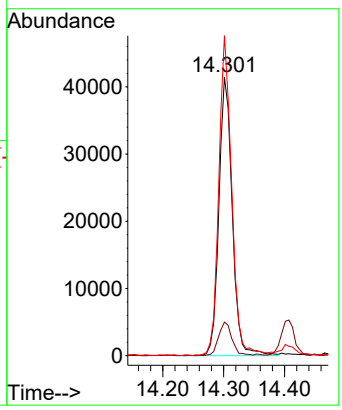
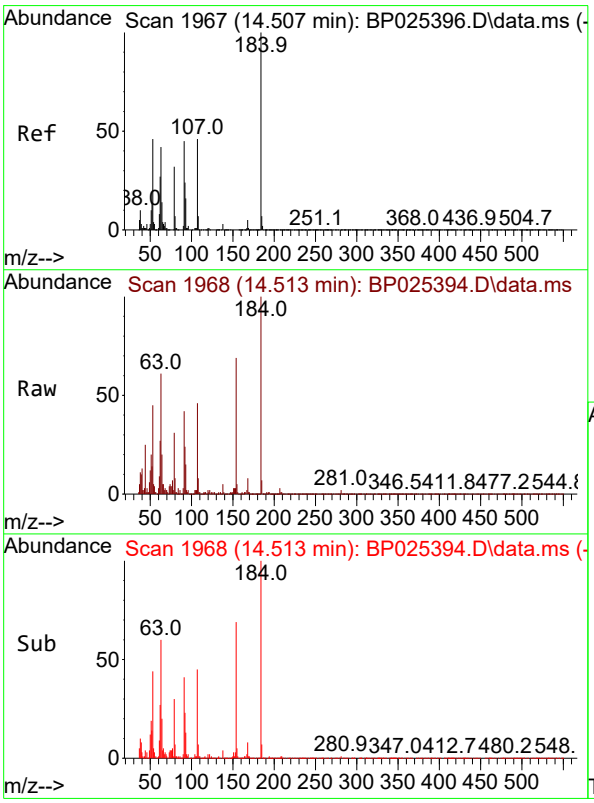
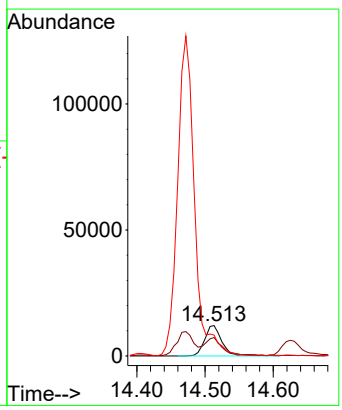


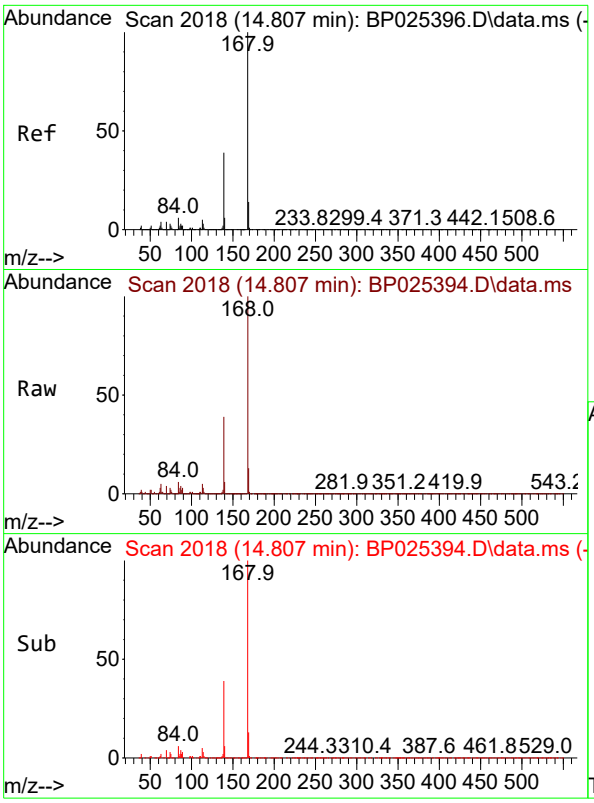


#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 21748

Ion	Ratio	Lower	Upper
184	100		
63	60.8	49.4	74.2
154	69.1	54.6	82.0

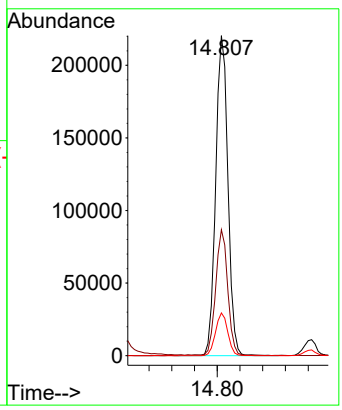




#55
Dibenzofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:168 Resp: 32773

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.5	47.3
169	13.4	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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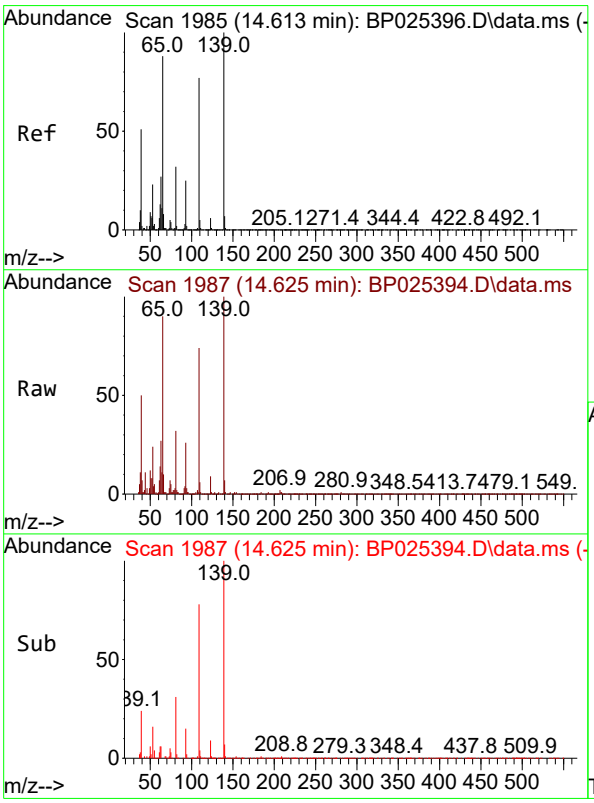
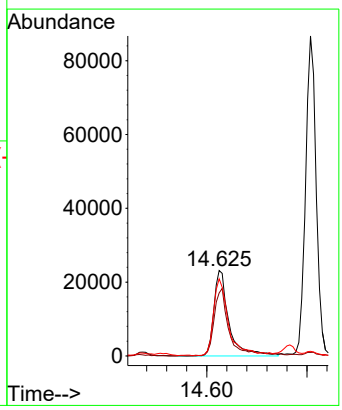
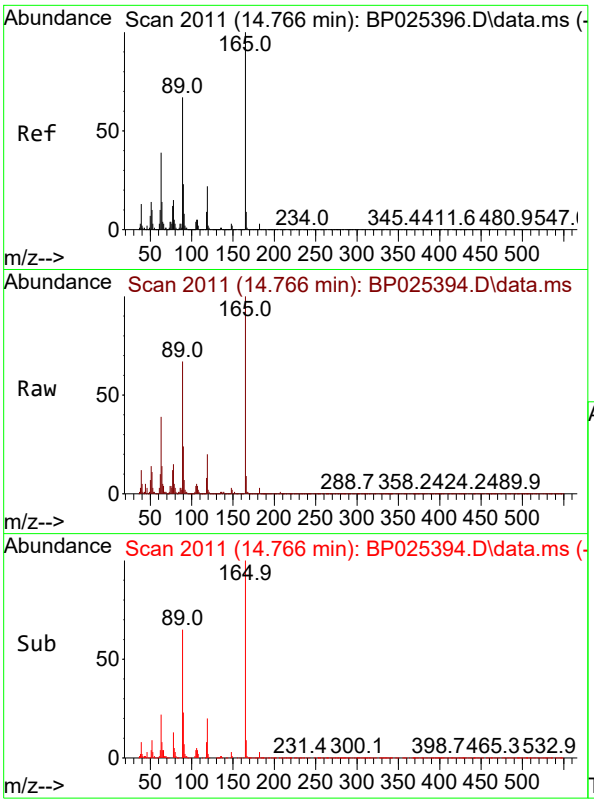


#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 48103

Ion	Ratio	Lower	Upper
139	100		
109	73.8	56.6	96.6
65	90.2	68.2	108.2

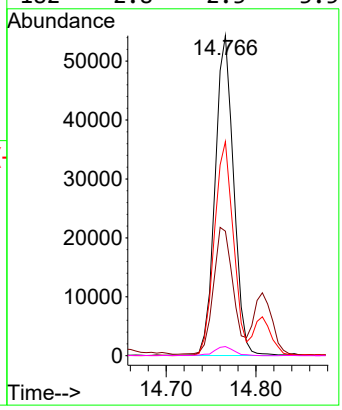




#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:165 Resp: 7795

Ion	Ratio	Lower	Upper
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5



Instrument :
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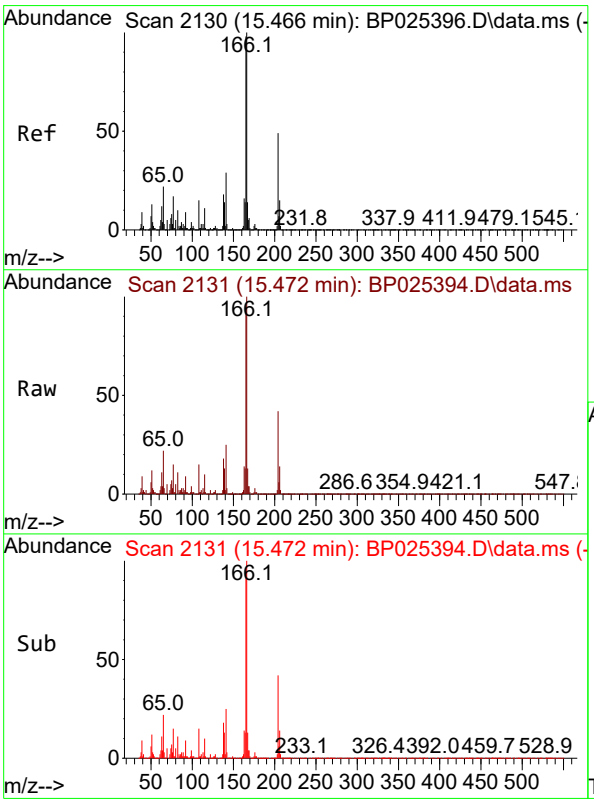
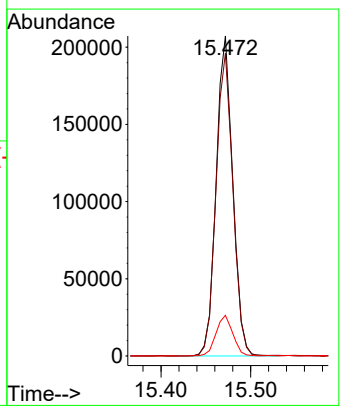
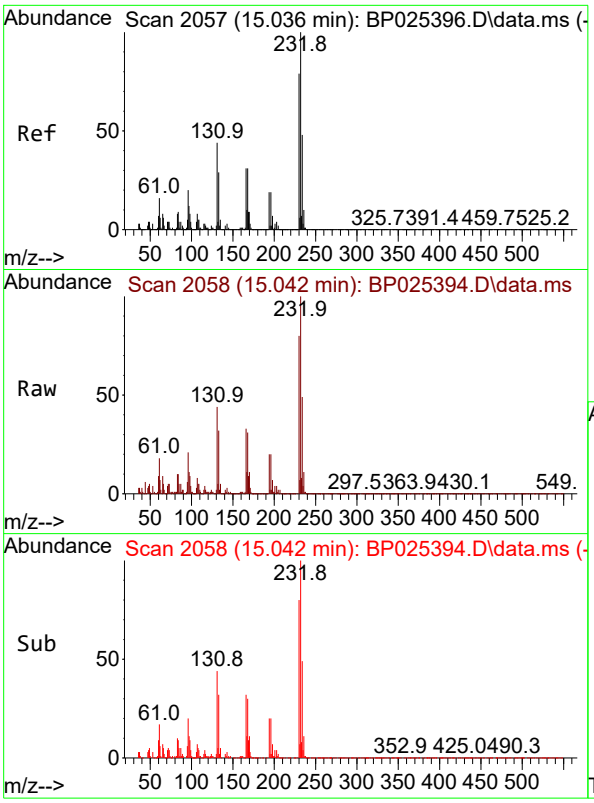


#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:166 Resp: 266610

Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4

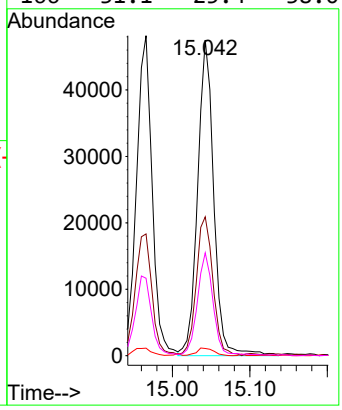




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:232 Resp: 6893

Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.0	55.6
130	2.5	1.9	2.9
166	31.1	25.4	38.0



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ClientSampleId :
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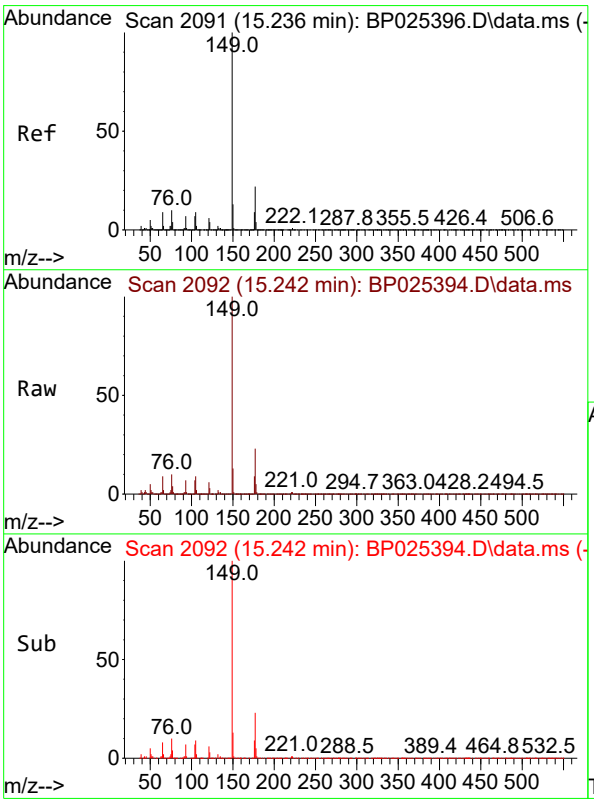
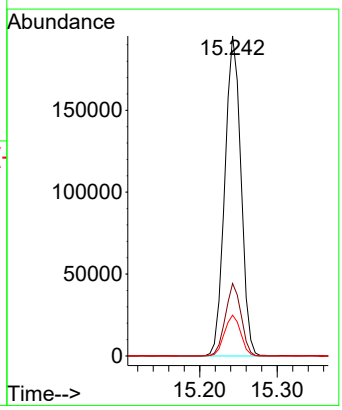
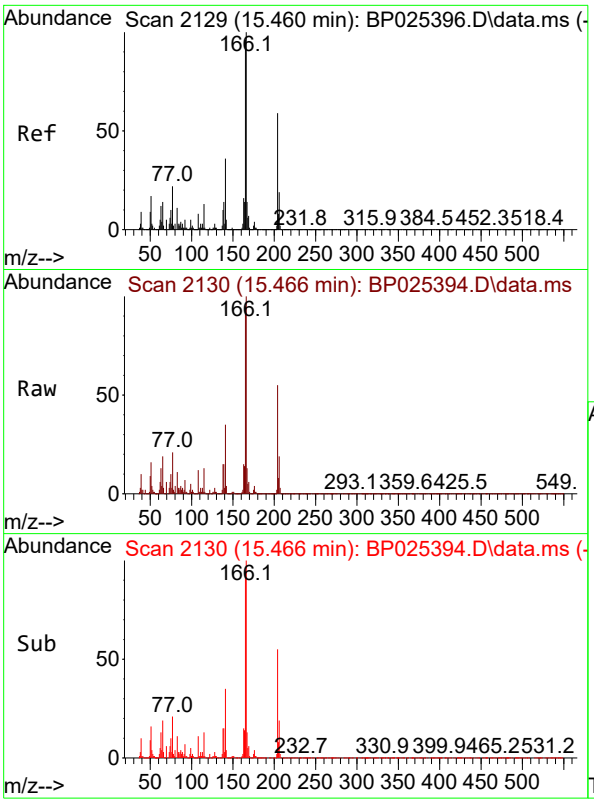


#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 282526

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:204 Resp: 13113

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	62.5	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
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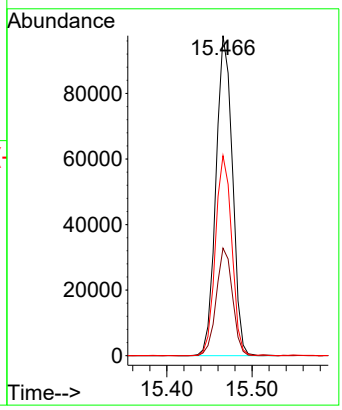
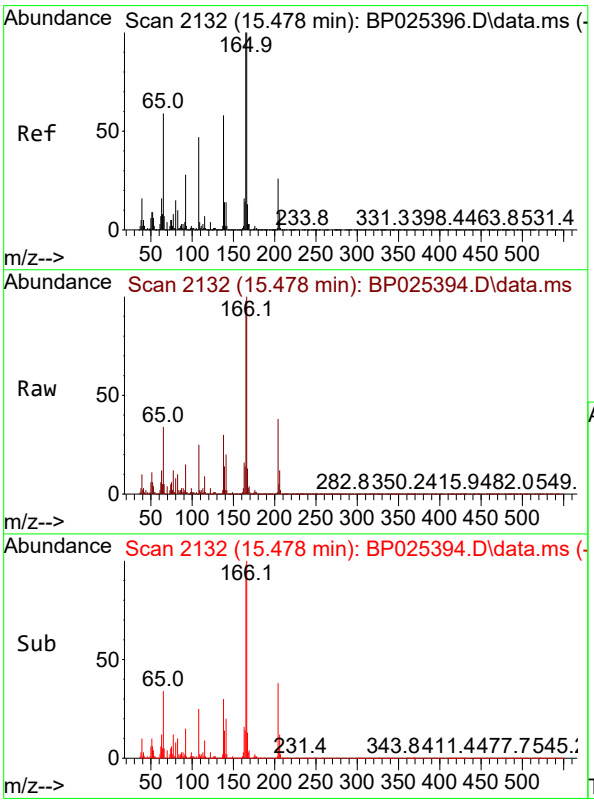
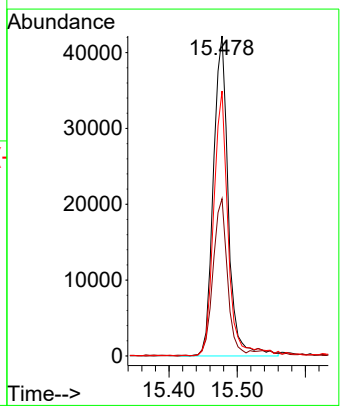


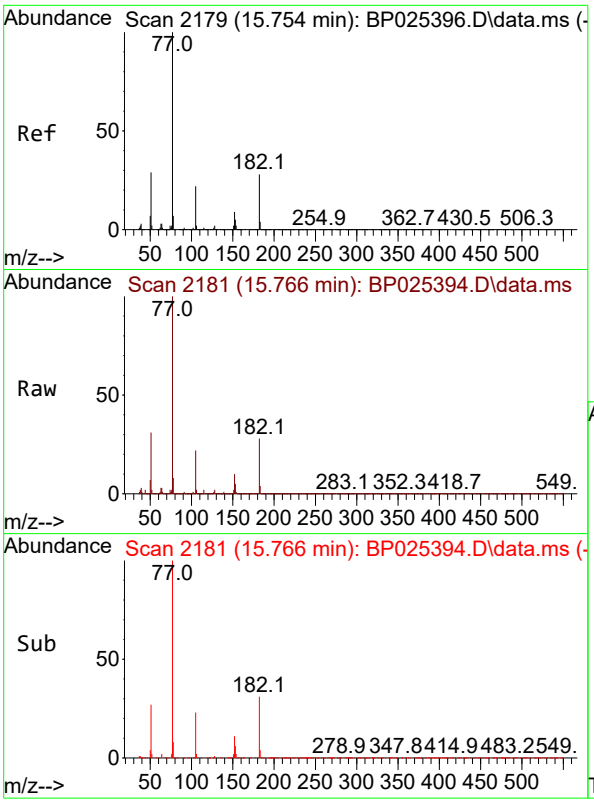


#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 64375

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	82.8	61.5	101.5

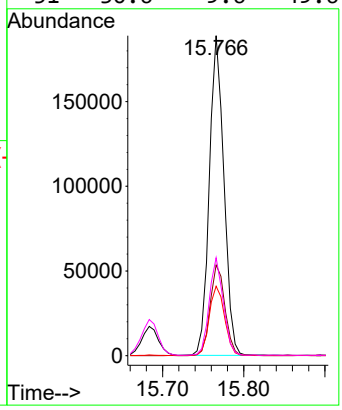




#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 23487

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	21.7	2.1	42.1
51	30.6	9.6	49.6



Instrument :
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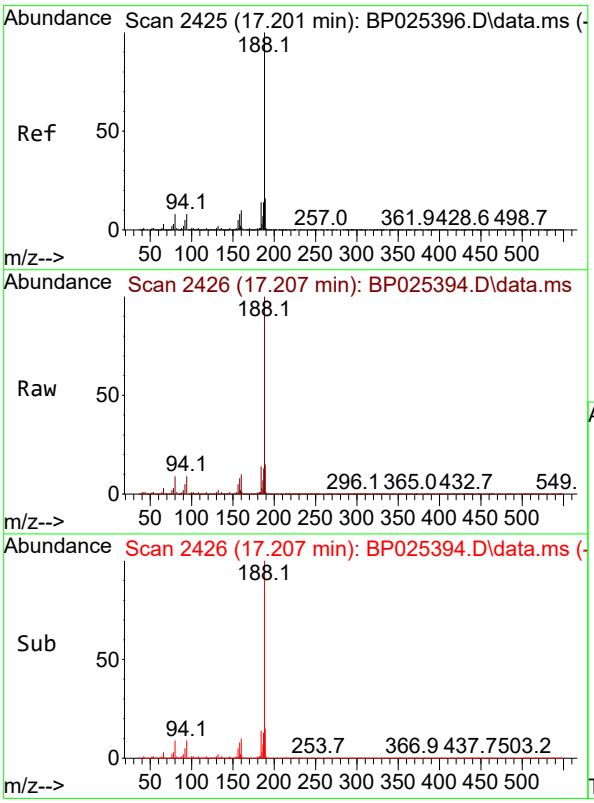
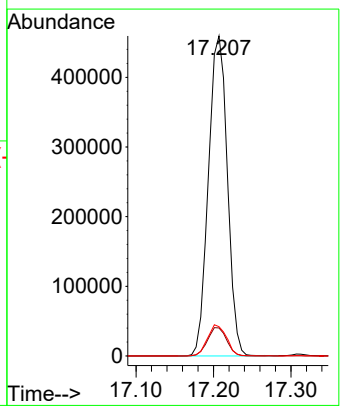
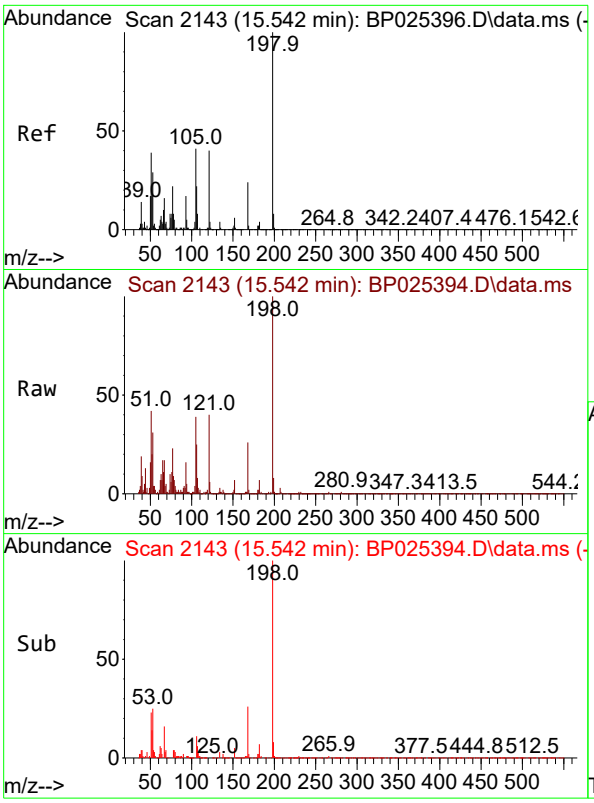


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:188 Resp: 780940

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 7.679 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:198 Resp: 3738

Ion	Ratio	Lower	Upper
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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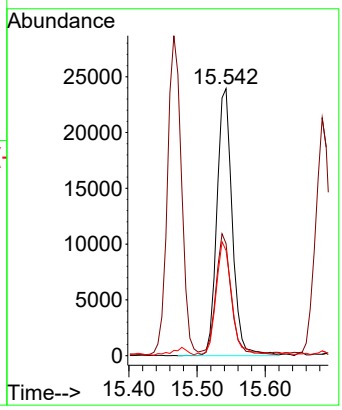
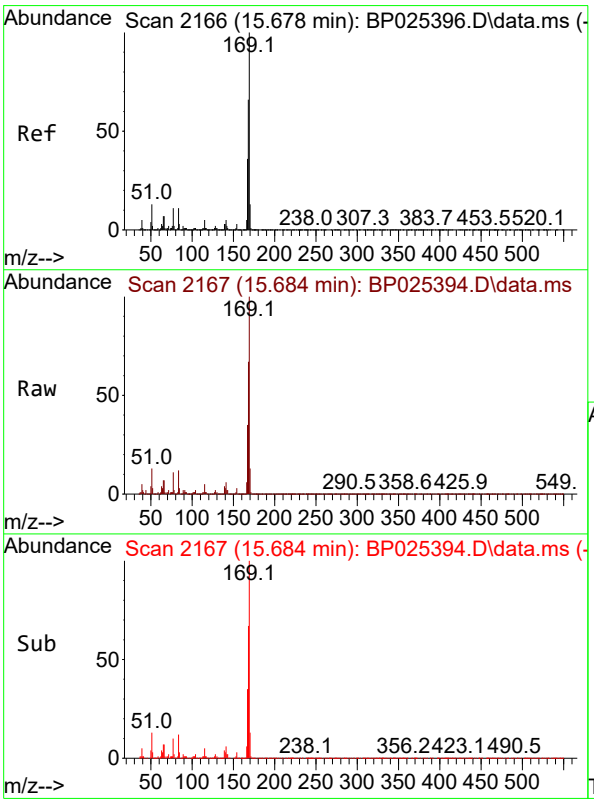
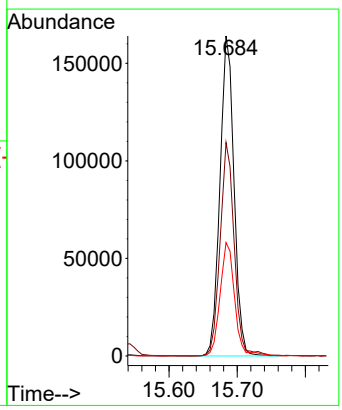


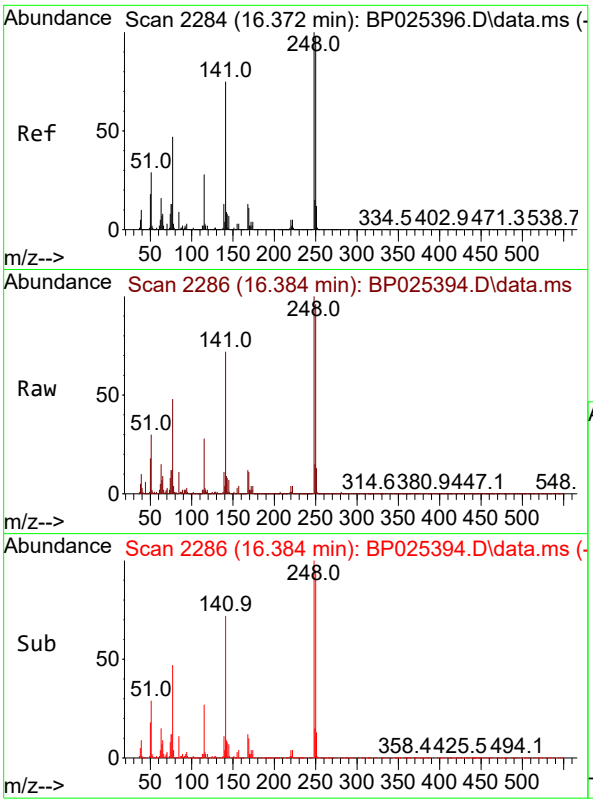


#66
n-Nitrosodiphenylamine
Concen: 9.883 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:169 Resp: 235344

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1

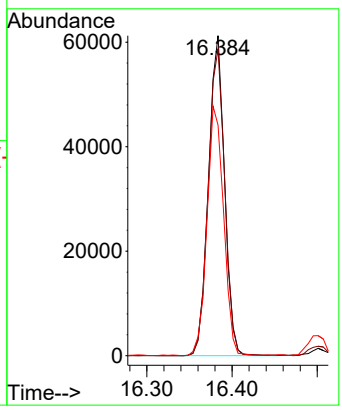




#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:248 Resp: 8037

Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.2	117.2
141	72.1	59.6	89.4



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ClientSampleId :
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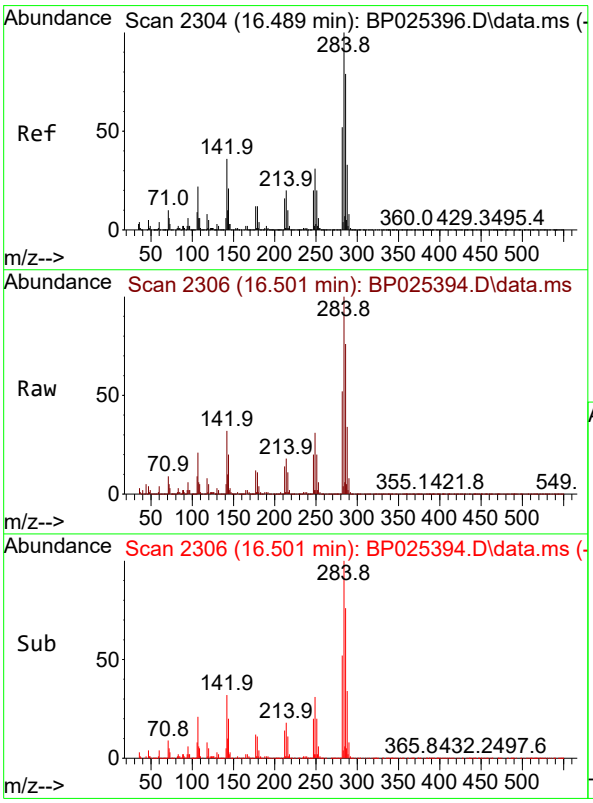
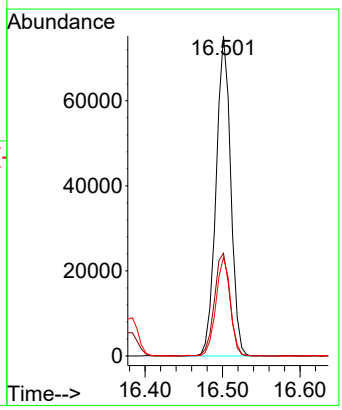
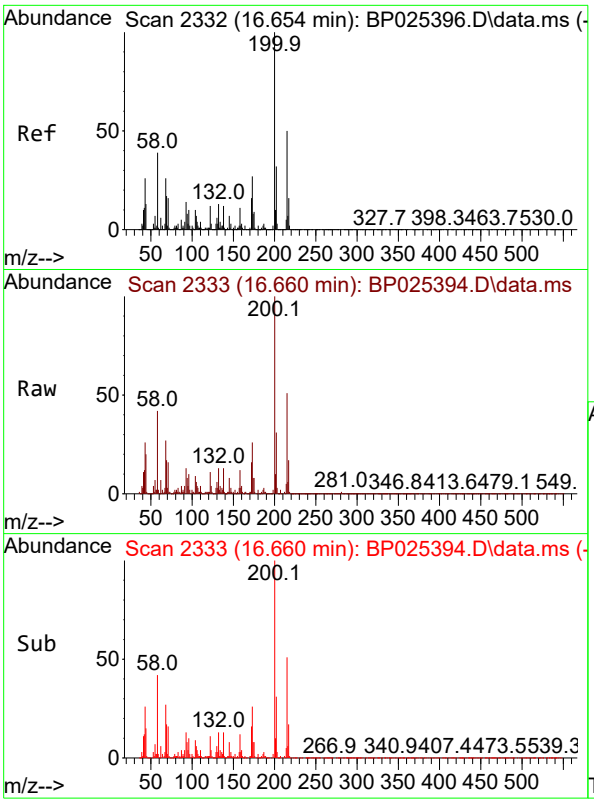


#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:284 Resp: 98614

Ion	Ratio	Lower	Upper
284	100		
142	32.1	29.1	43.7
249	30.8	25.0	37.4

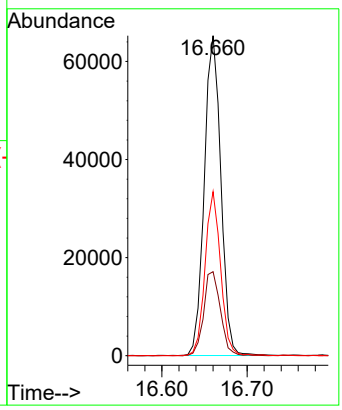




#69
Atrazine
Concen: 9.894 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:200 Resp: 8824

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	51.3	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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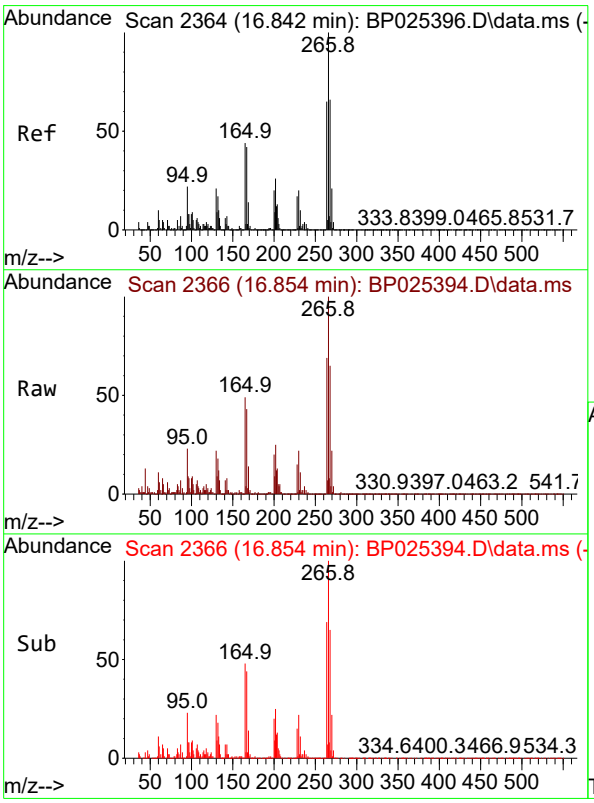
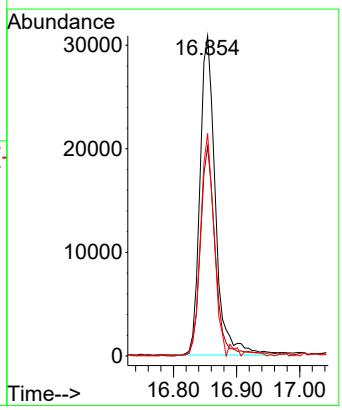
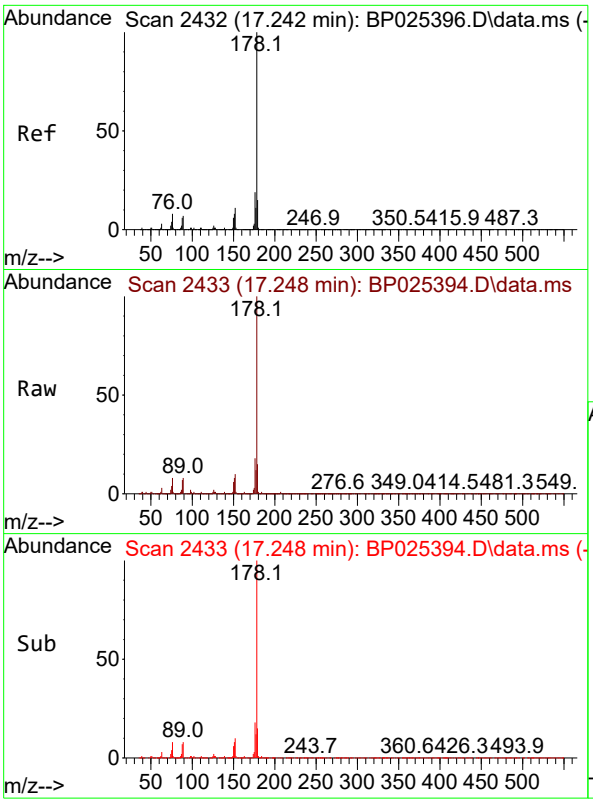


#70
Pentachlorophenol
Concen: 8.360 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:266 Resp: 52539

Ion	Ratio	Lower	Upper
266	100		
268	65.4	52.6	79.0
264	69.5	52.0	78.0

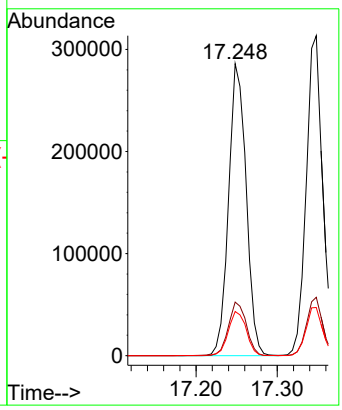




#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 42975

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.1	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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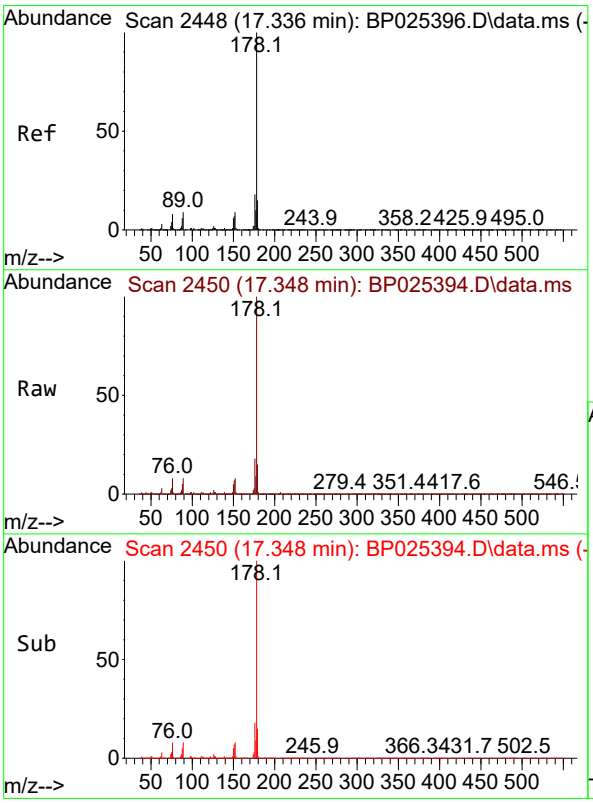
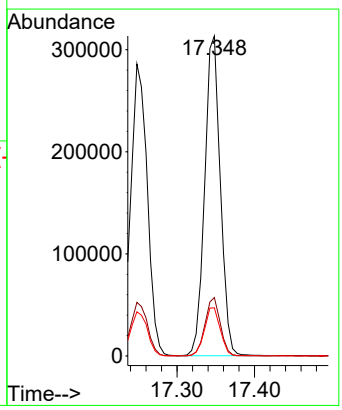
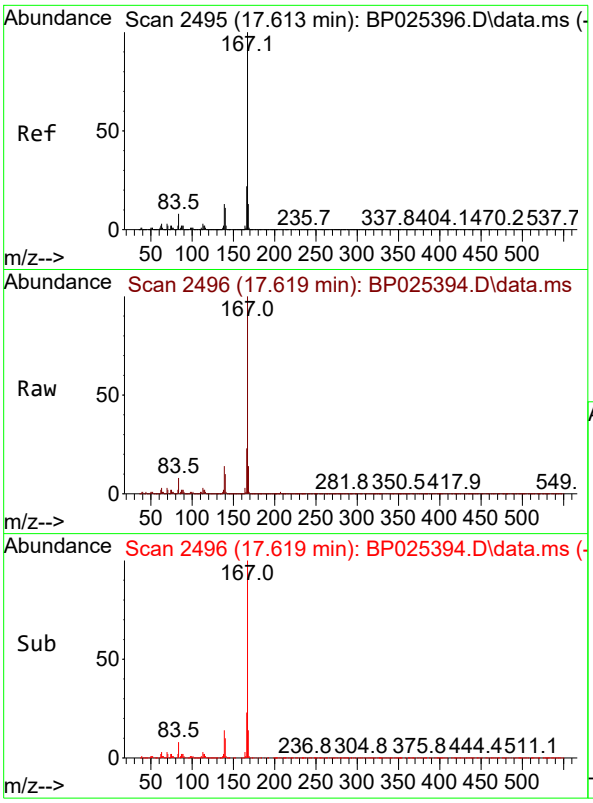


#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 438953

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.1	12.2	18.2

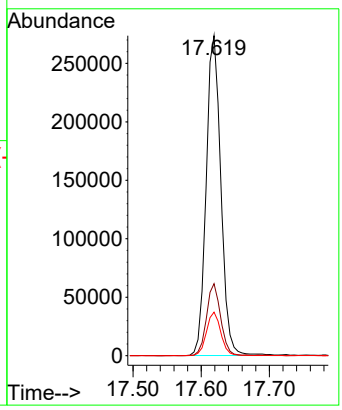




#73
Carbazole
Concen: 9.954 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:167 Resp: 41072

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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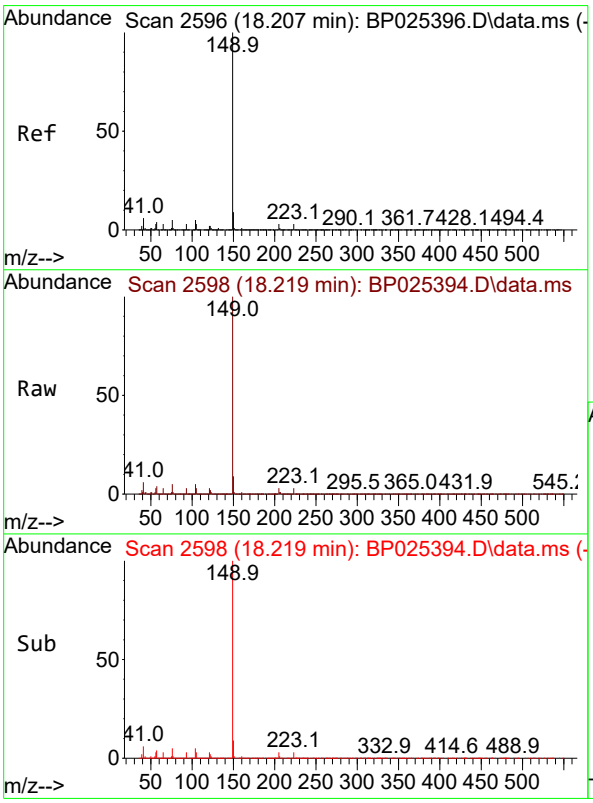
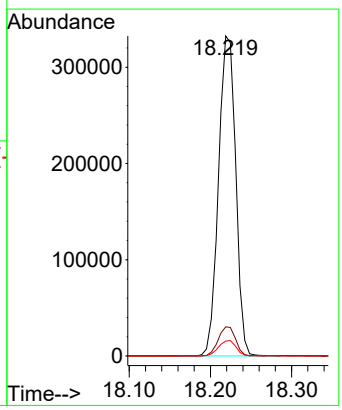
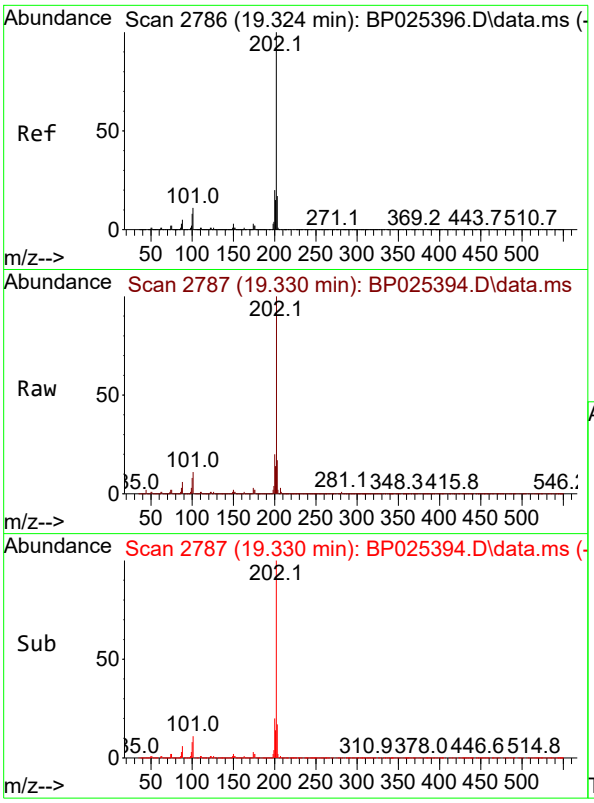


#74
Di-n-butylphthalate
Concen: 9.656 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 490232

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.7	4.2	6.2





#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 51652

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.2	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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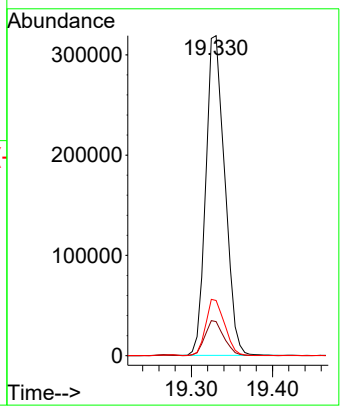
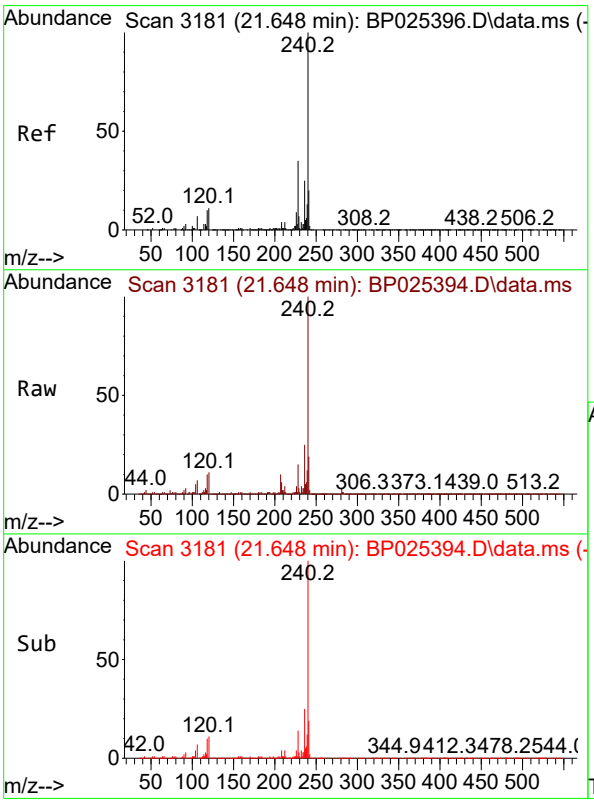
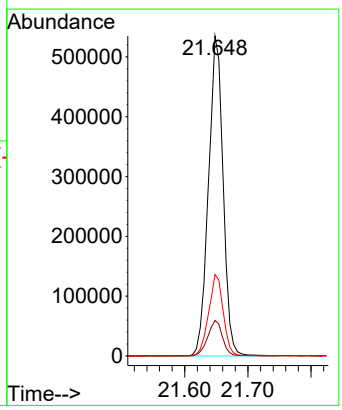


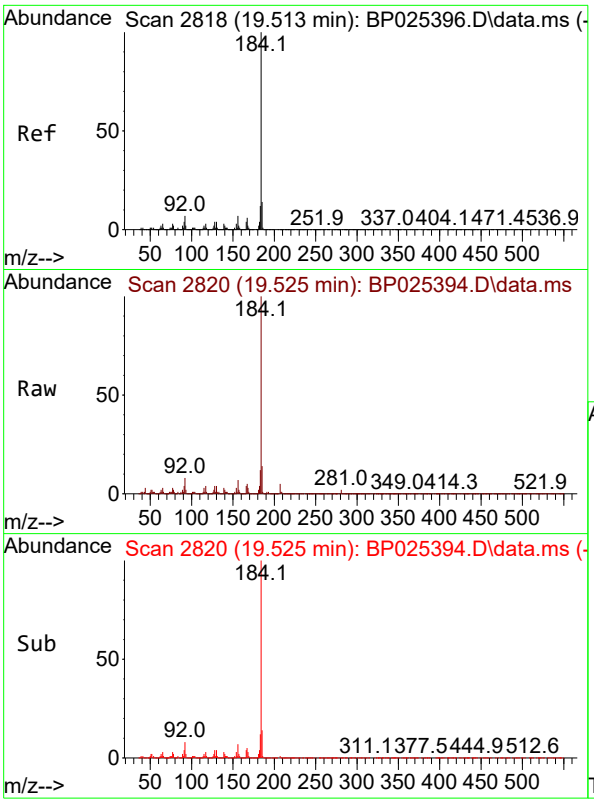


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:240 Resp: 860386

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.5	19.8	29.8





#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 27619

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	12.1	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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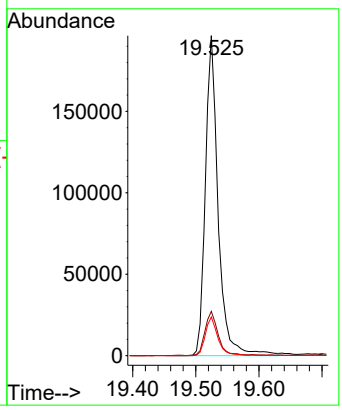
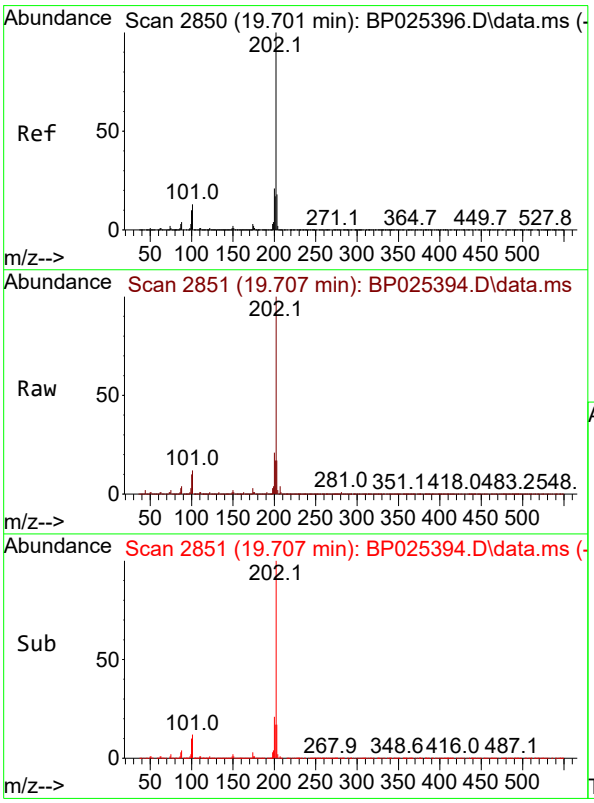
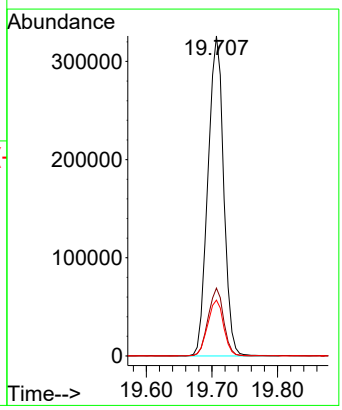


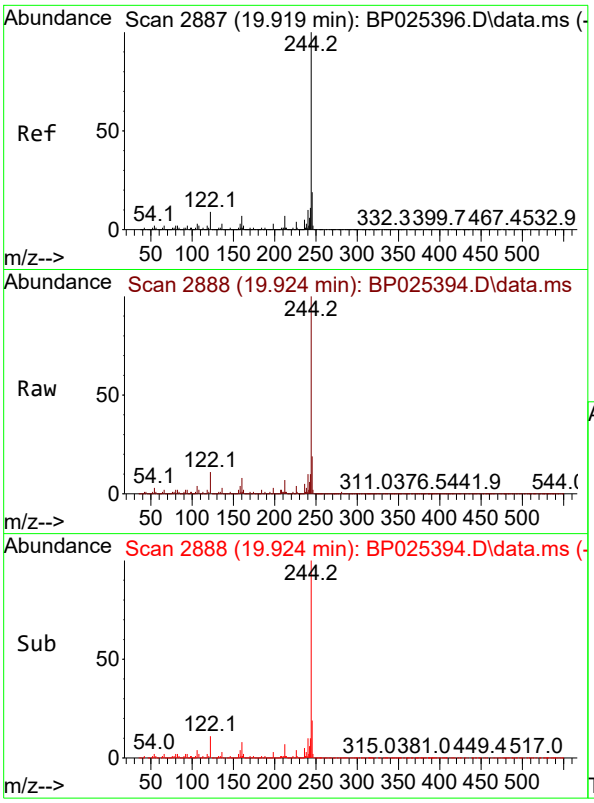


#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.5	14.2	21.2





#79
Terphenyl-d14
Concen: 20.125 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:244 Resp: 94642

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.9	7.4	11.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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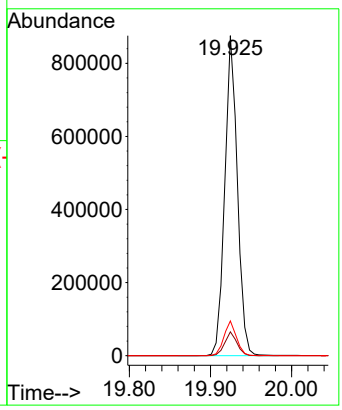
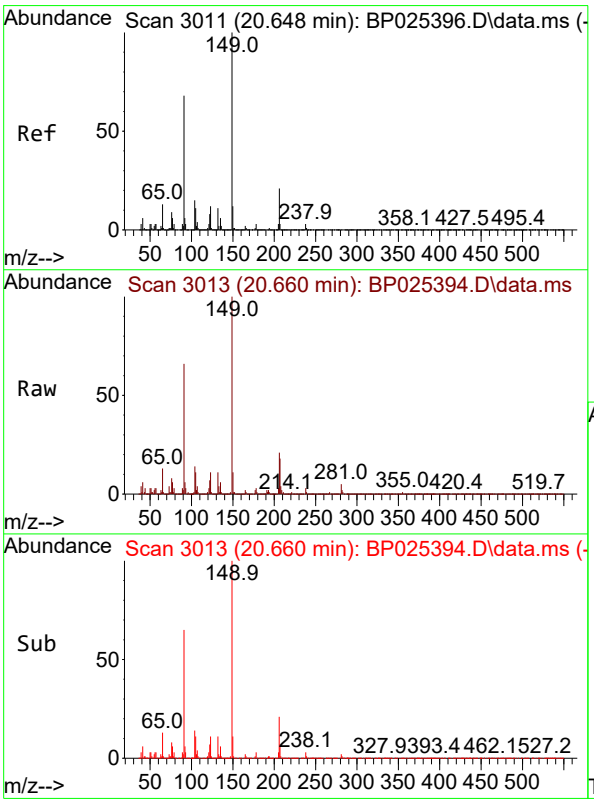
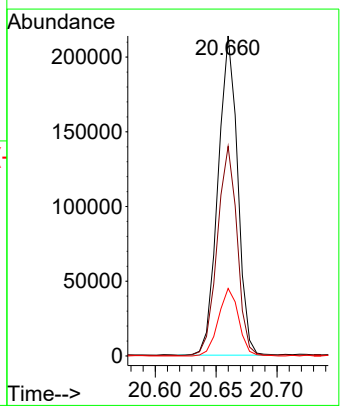


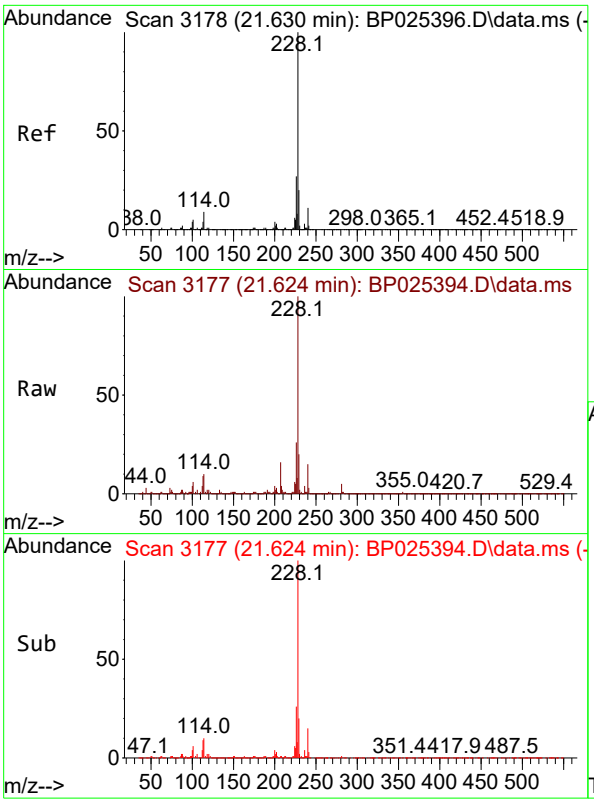


#80
Butylbenzylphthalate
Concen: 9.446 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 239416

Ion	Ratio	Lower	Upper
149	100		
91	65.5	54.2	81.2
206	21.1	16.6	24.8

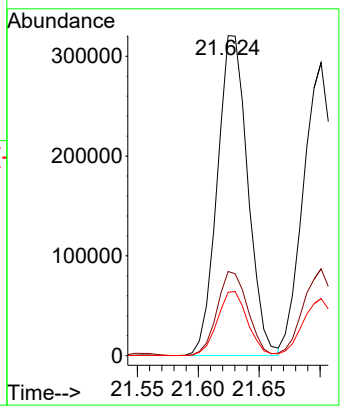




#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:228 Resp: 56027

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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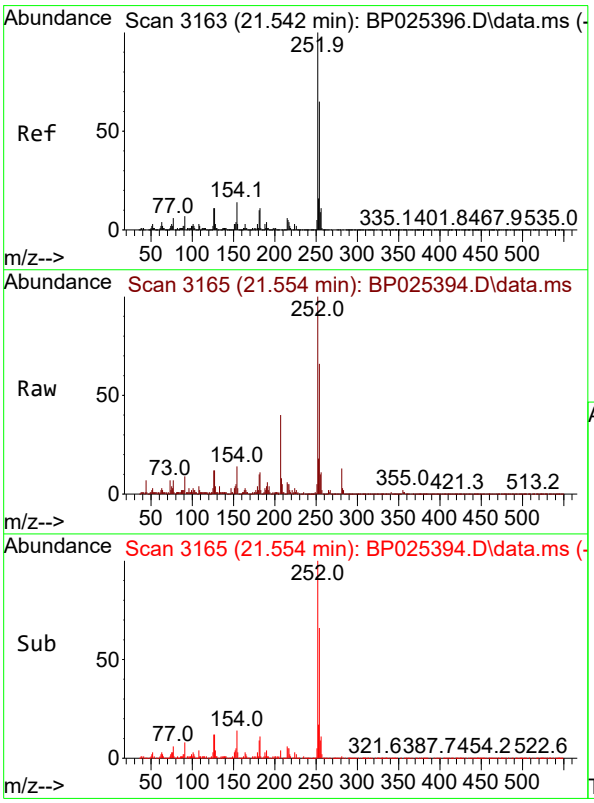
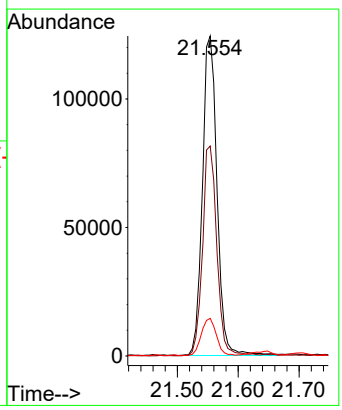
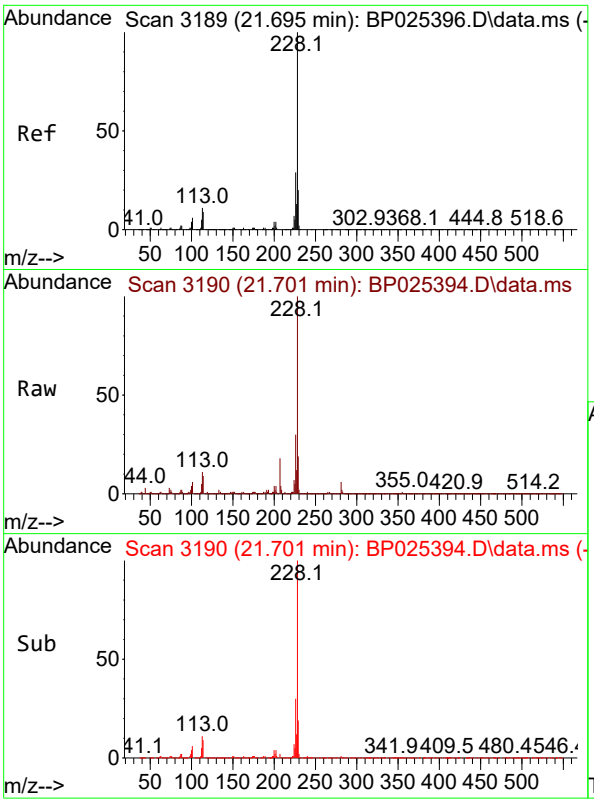


#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.8	77.6
126	11.7	9.1	13.7

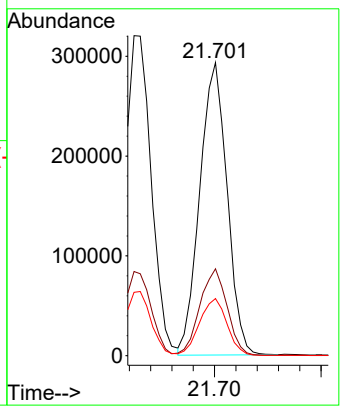




#83
Chrysene
Concen: 9.831 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:228 Resp: 52241

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
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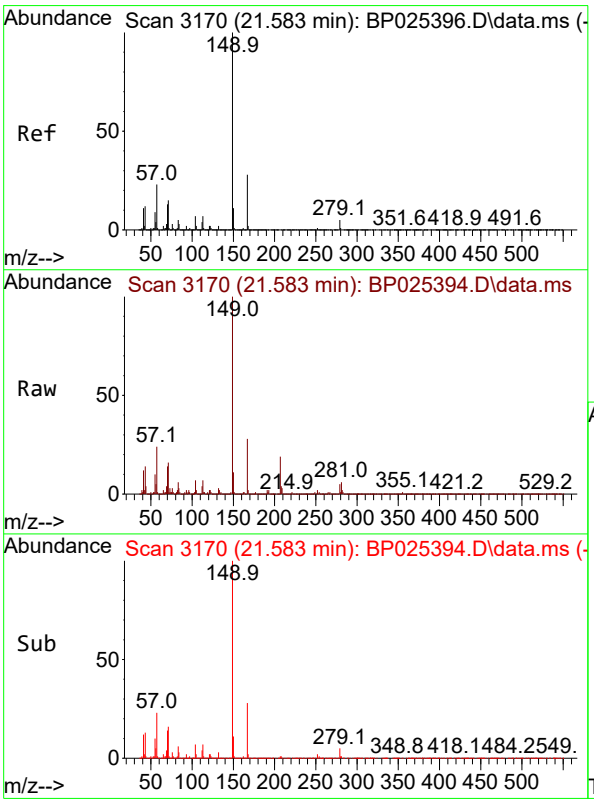
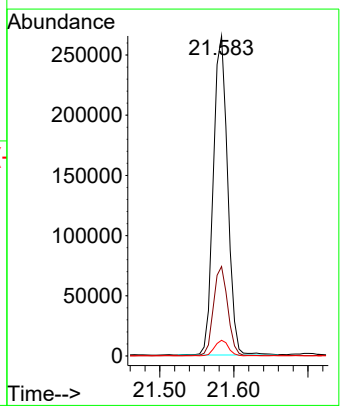
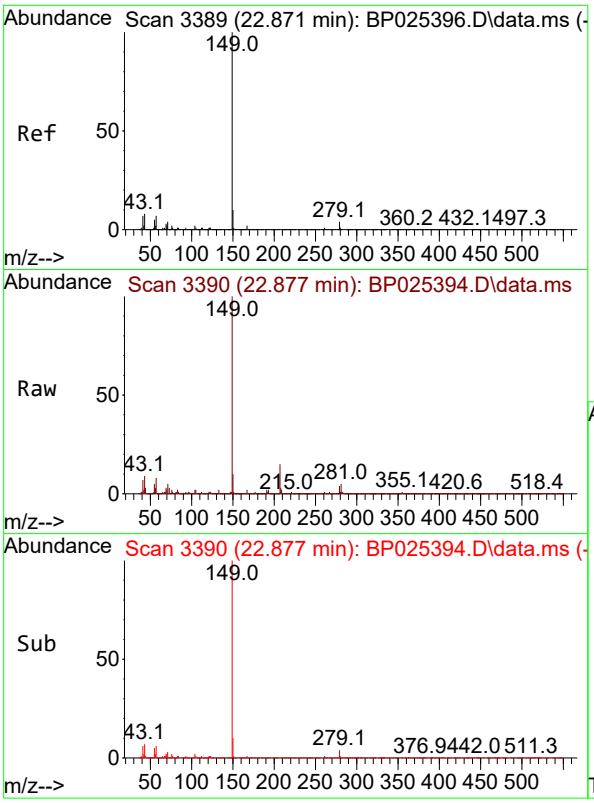


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.529 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 355530

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.9	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 9.259 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 59419

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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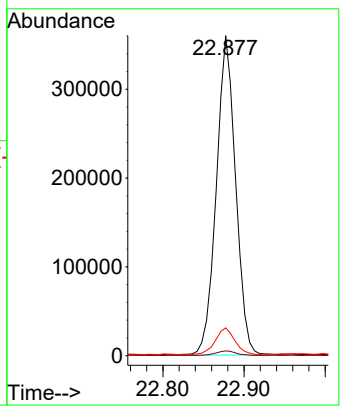
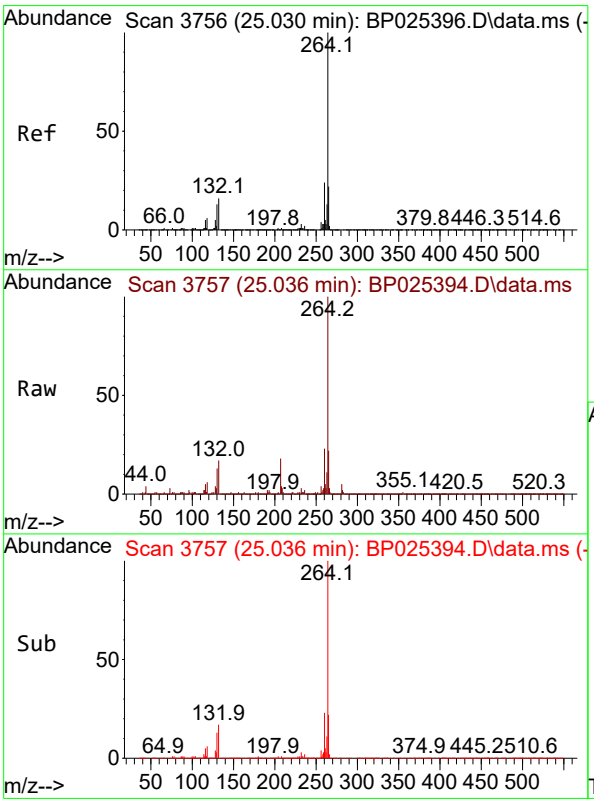
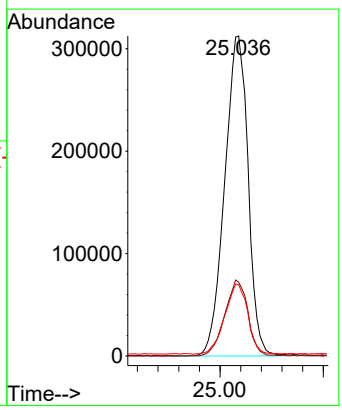


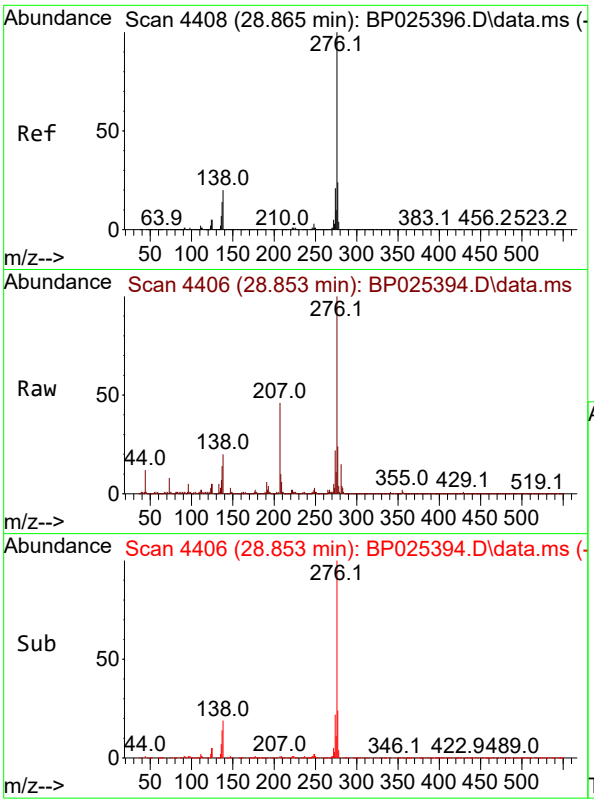


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:264 Resp: 980670

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.3	17.4	26.0

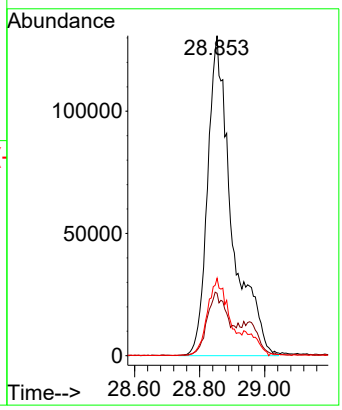




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.438 ng m
RT: 28.853 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:276 Resp: 67898

Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.9	19.3
277	21.1	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
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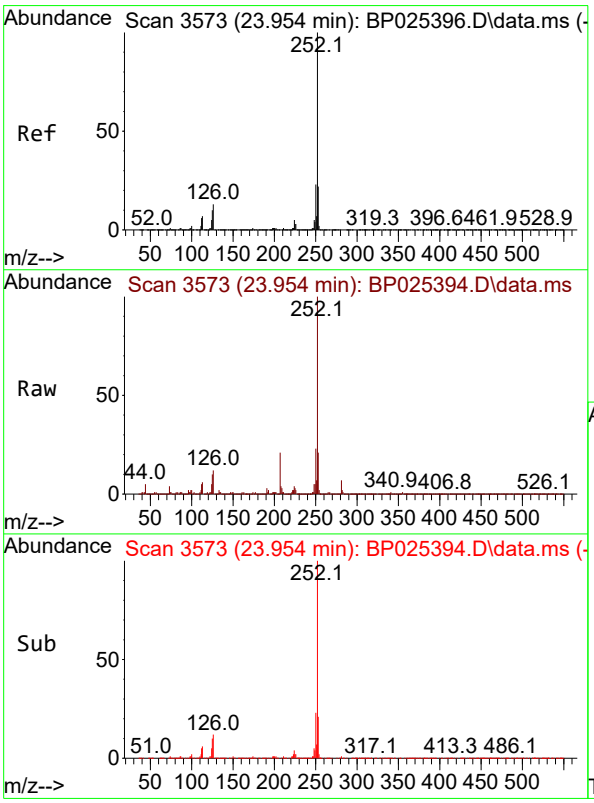
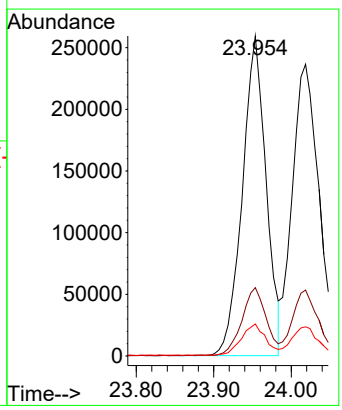
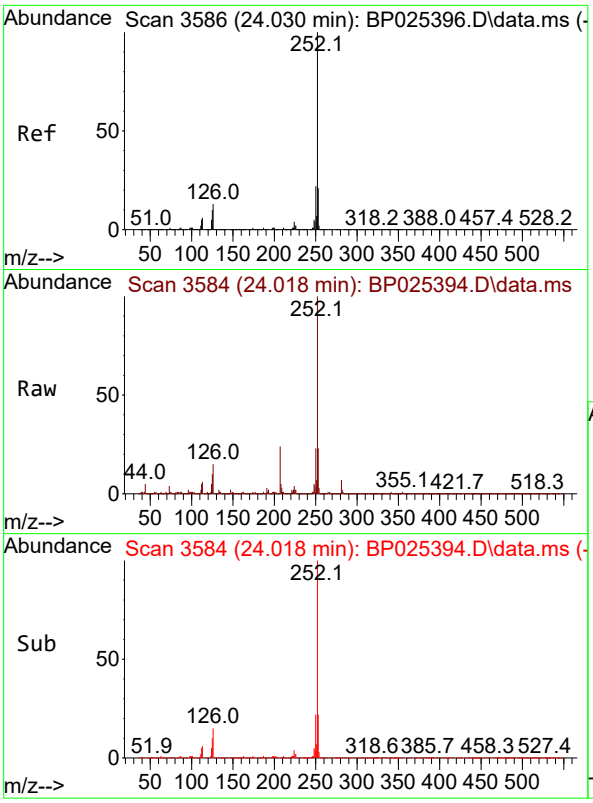


#88
Benzo(b)fluoranthene
Concen: 9.549 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 552191

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	10.0	7.9	11.9

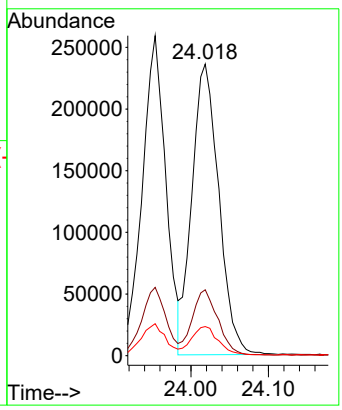




#89
Benzo(k)fluoranthene
Concen: 9.800 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 56708

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.0	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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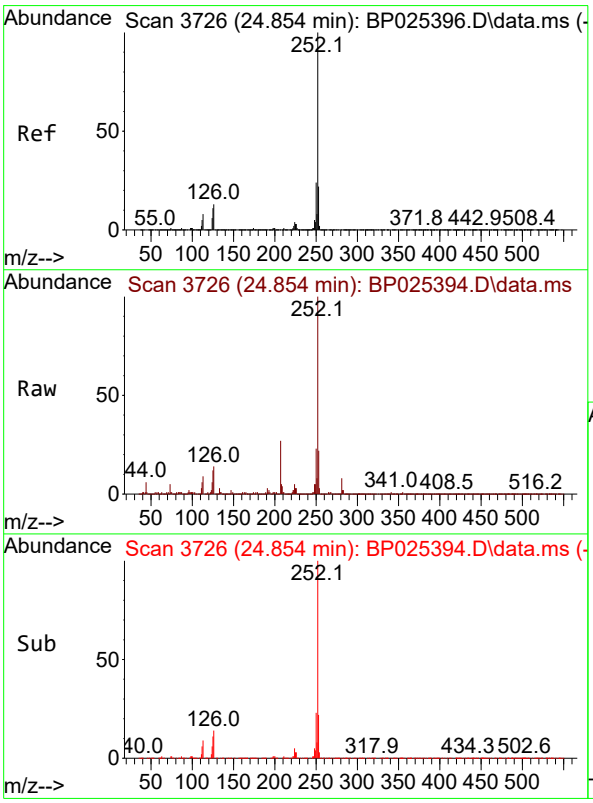
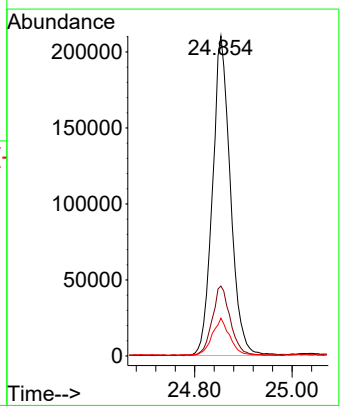
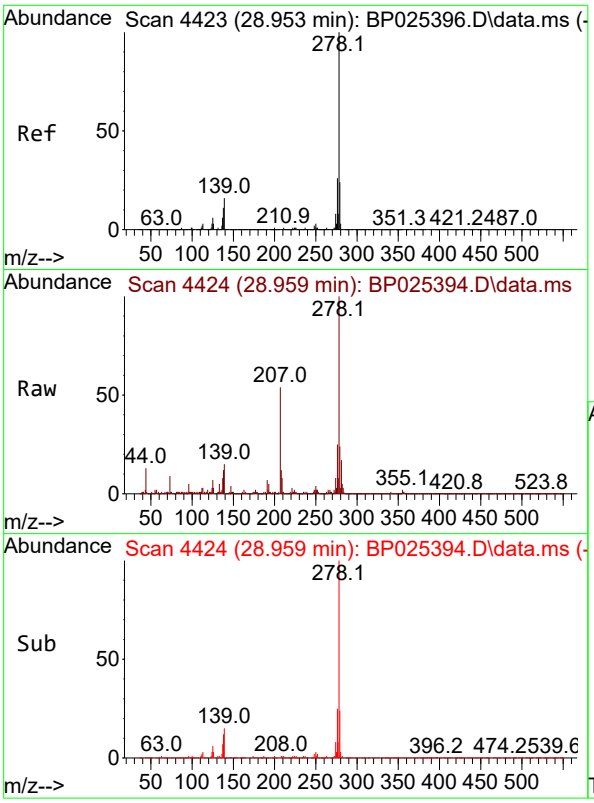


#90
Benzo(a)pyrene
Concen: 9.519 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 535820

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.8	8.7	13.1

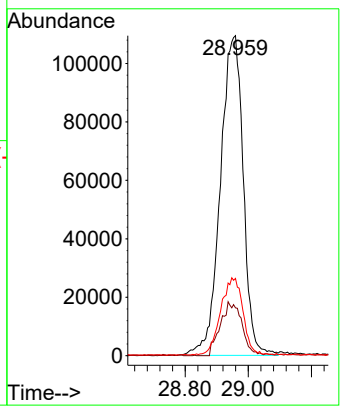




#91
Dibenzo(a,h)anthracene
Concen: 9.387 ng
RT: 28.959 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:278 Resp: 55169

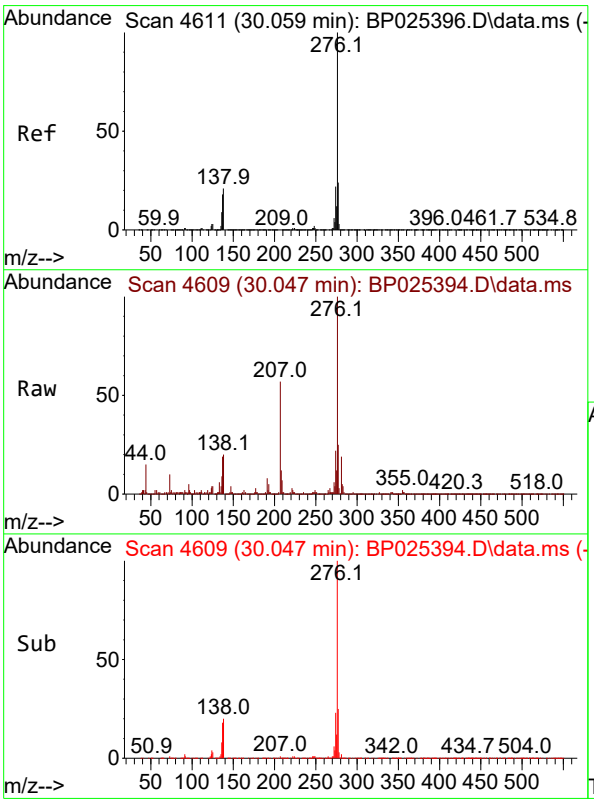
Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.0	19.4
279	24.2	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

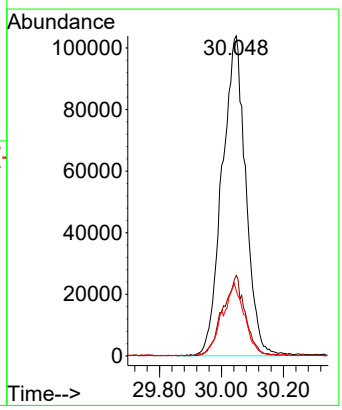
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 9.489 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:276 Resp: 548117

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	20.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng		0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng		0.00
86) Perylene-d12	25.036	264	958651	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	338568	39.674	ng		0.00
7) Phenol-d6	6.966	99	434388	39.702	ng		0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng		0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng		0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng		99
3) Pyridine	3.731	79	177948	19.450	ng		98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	#	96
6) Aniline	7.125	93	287645	19.513	ng		99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng		99
9) Benzaldehyde	6.937	77	135464	17.672	ng		99
10) Phenol	6.990	94	228580	19.910	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng		98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng		99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng		99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng		99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng		99
17) 2-Methylphenol	8.225	107	159119	19.956	ng		98
18) Hexachloroethane	8.866	117	78205	19.597	ng		94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng		97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng		98
22) Acetophenone	8.596	105	305812	20.196	ng		99
24) Nitrobenzene	8.972	77	210234	19.708	ng		100
25) Isophorone	9.496	82	422370	19.995	ng		99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng		98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng		99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng		98
31) Naphthalene	10.613	128	625899	19.944	ng		99
32) Benzoic acid	9.843	122	124836m	18.004	ng		
33) 4-Chloroaniline	10.713	127	270158	19.489	ng		99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng		99
35) Caprolactam	11.484	113	66168	19.294	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng		97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng		99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng		99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	438852m	20.027	ng	
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1380331m	19.627	ng	
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

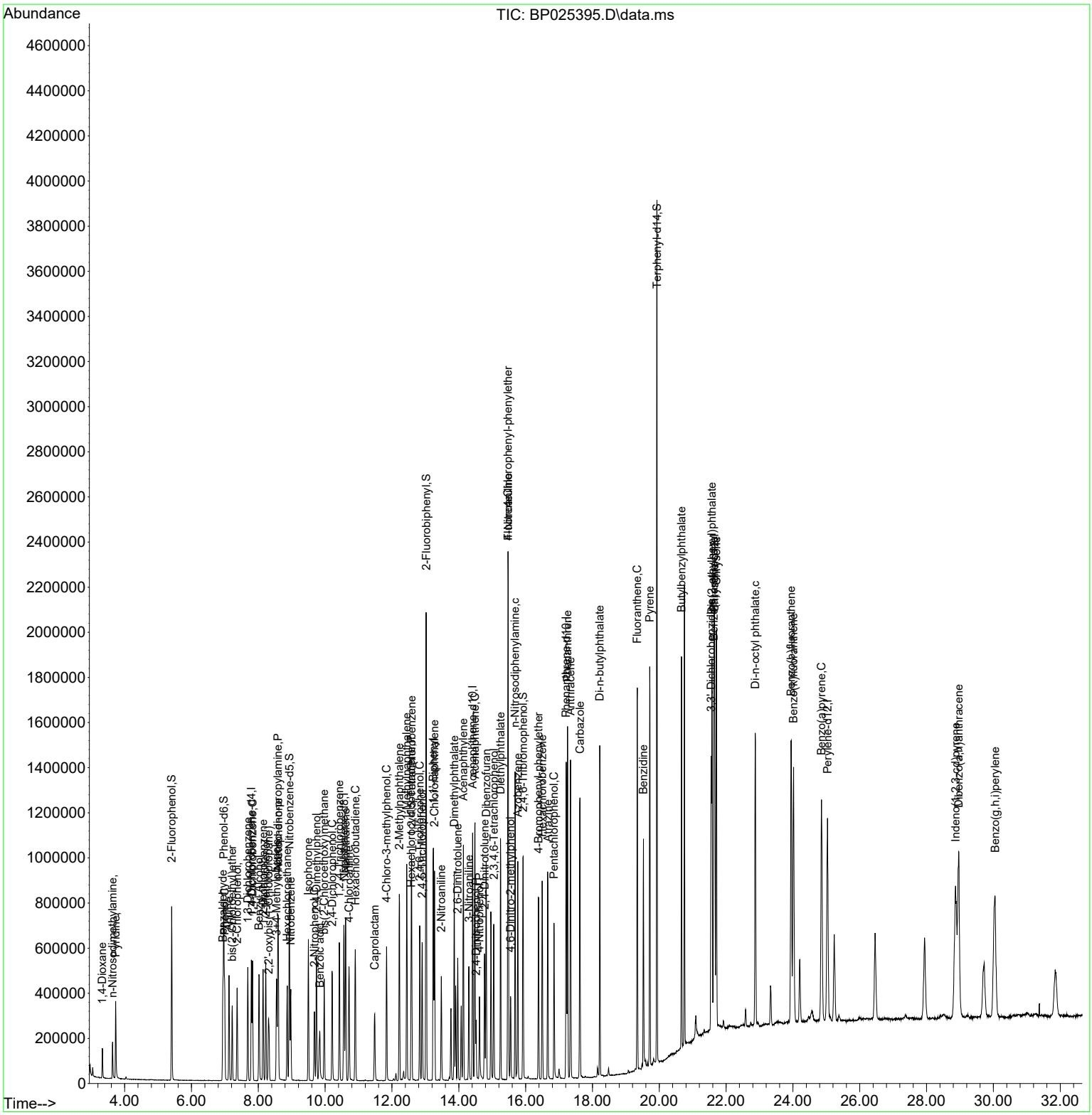
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

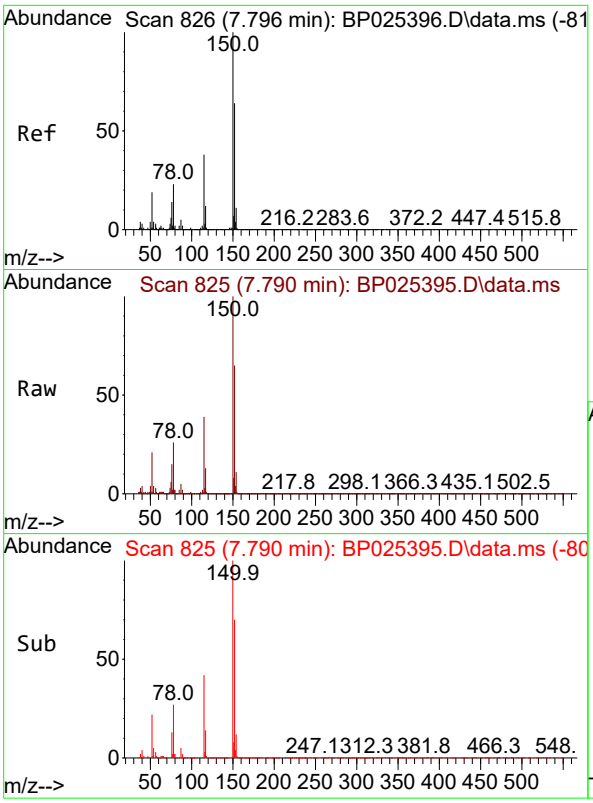
Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

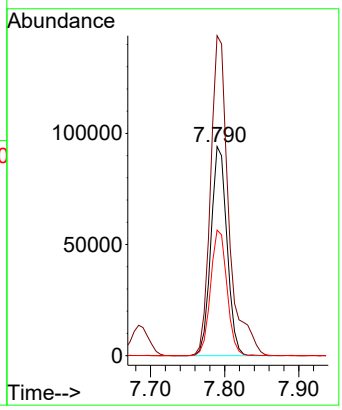




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:152 Resp: 14172

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.9	188.9
115	60.0	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
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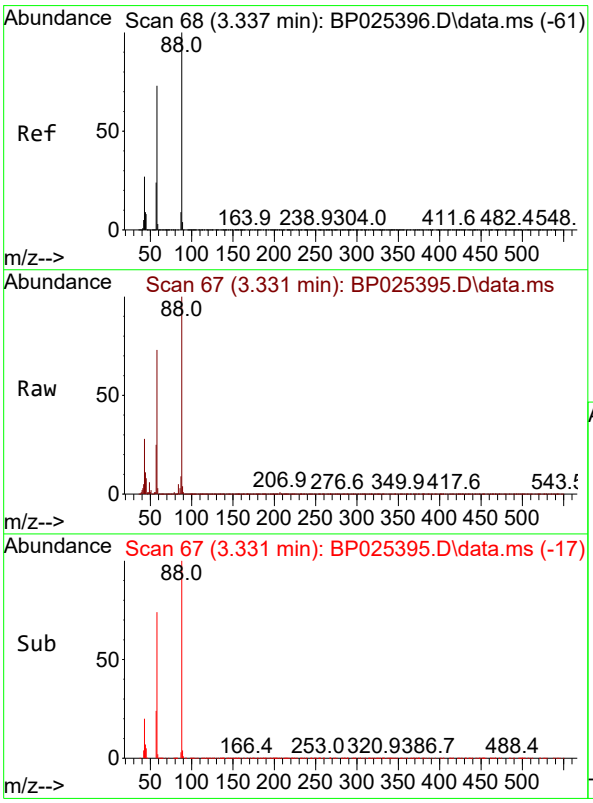
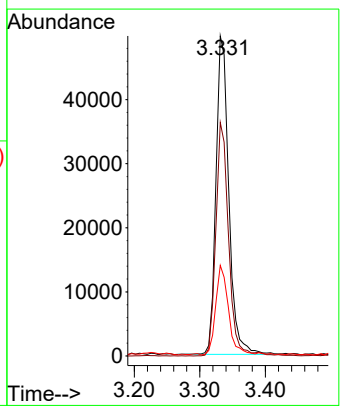
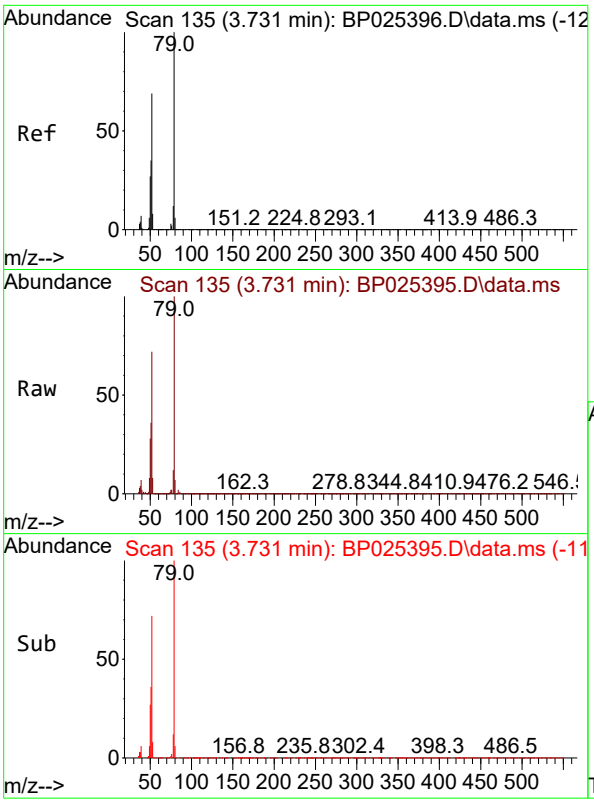


#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 88 Resp: 67276

Ion	Ratio	Lower	Upper
88	100		
58	73.2	59.2	88.8
43	27.9	21.7	32.5

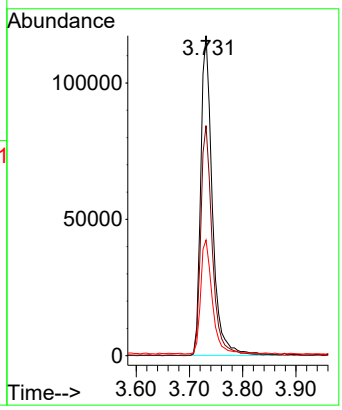




#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 79 Resp: 17794

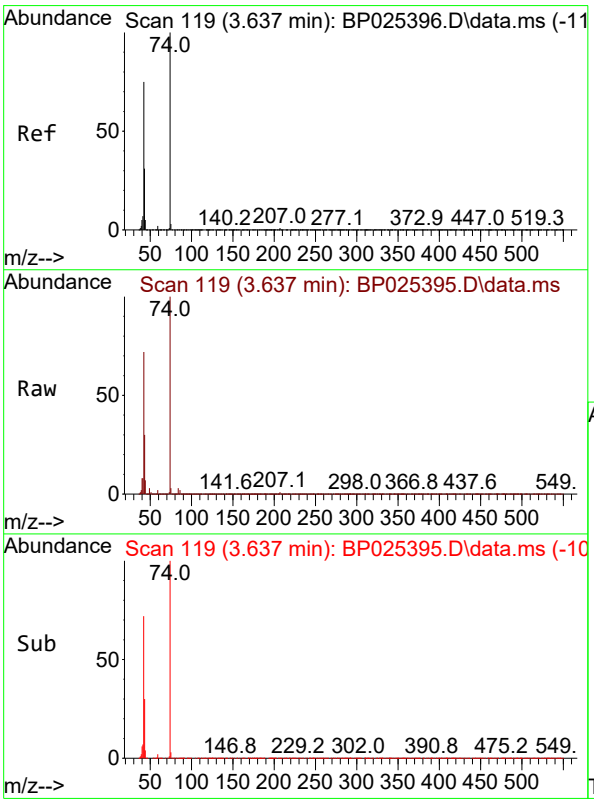
Ion	Ratio	Lower	Upper
79	100		
52	71.9	55.5	83.3
51	36.1	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

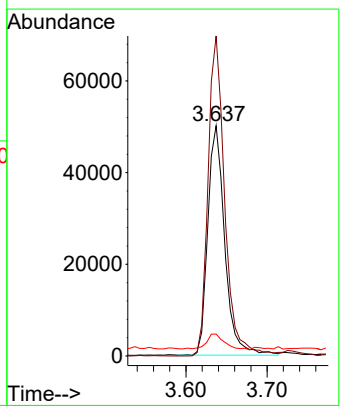
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

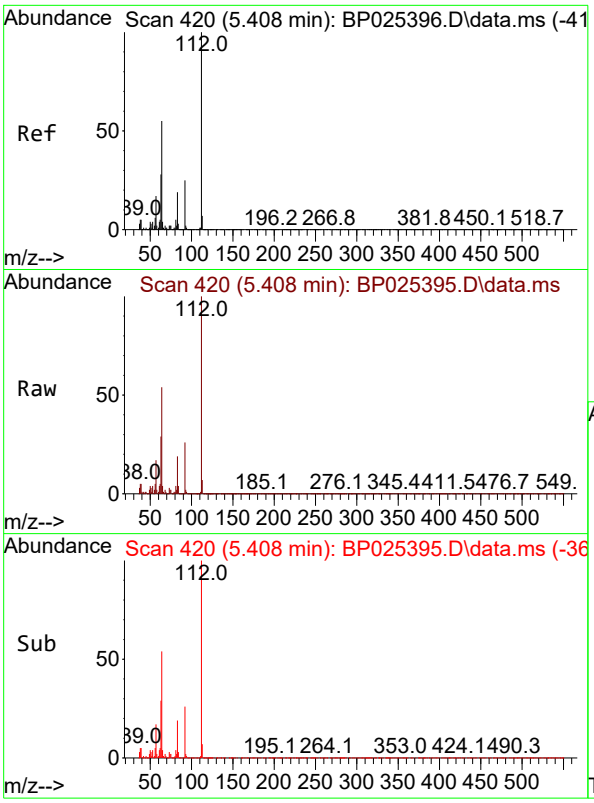


#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627

Ion	Ratio	Lower	Upper
42	100		
74	138.9	107.0	160.4
44	9.5	6.2	9.4#

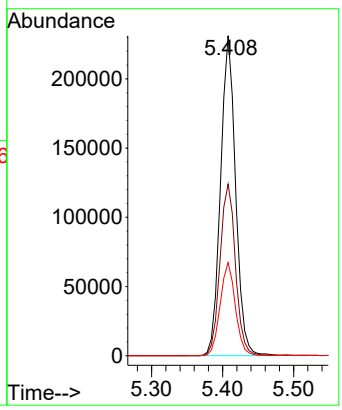




#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:112 Resp: 33856

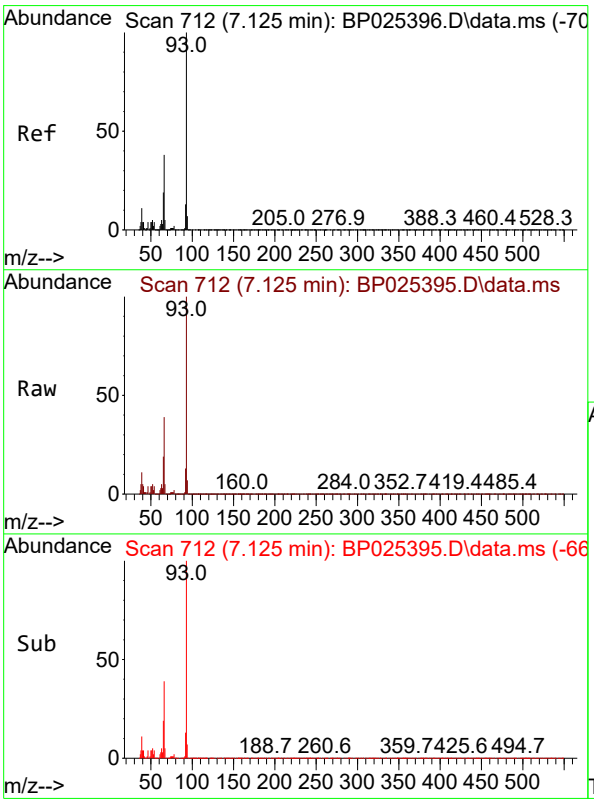
Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.8	65.8
63	29.1	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

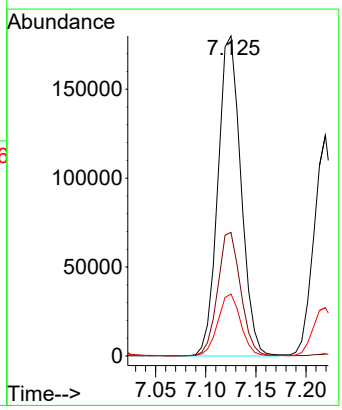
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

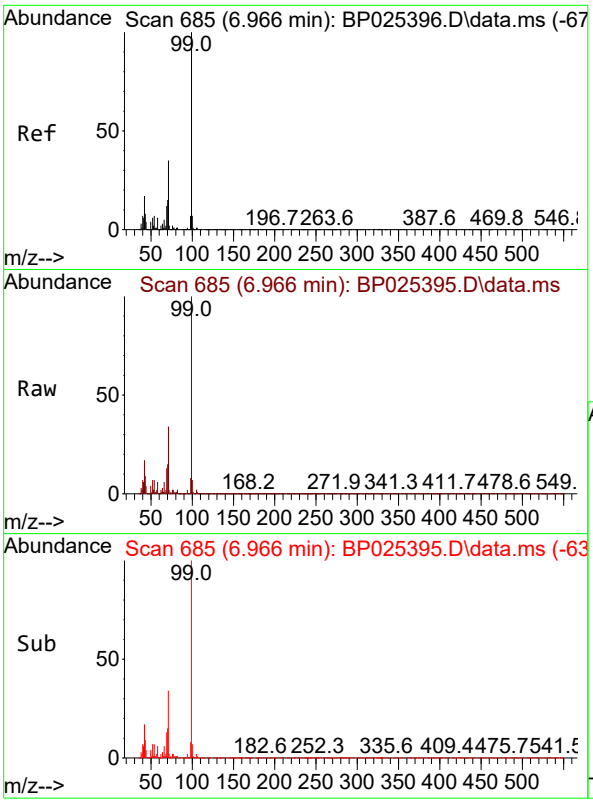


#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.4	45.6
65	19.4	15.3	22.9

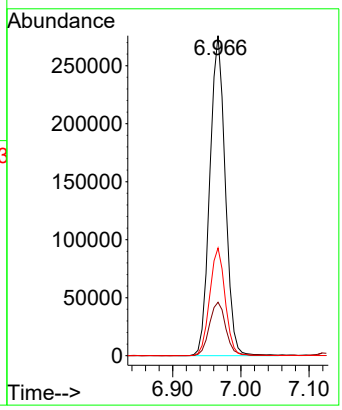




#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 99 Resp: 43438

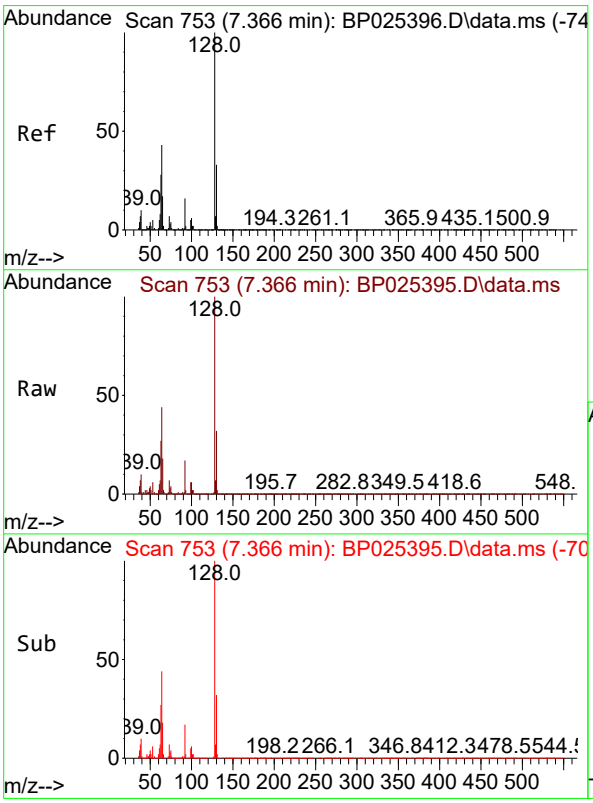
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	33.7	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

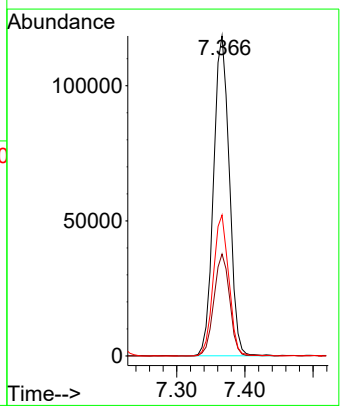
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

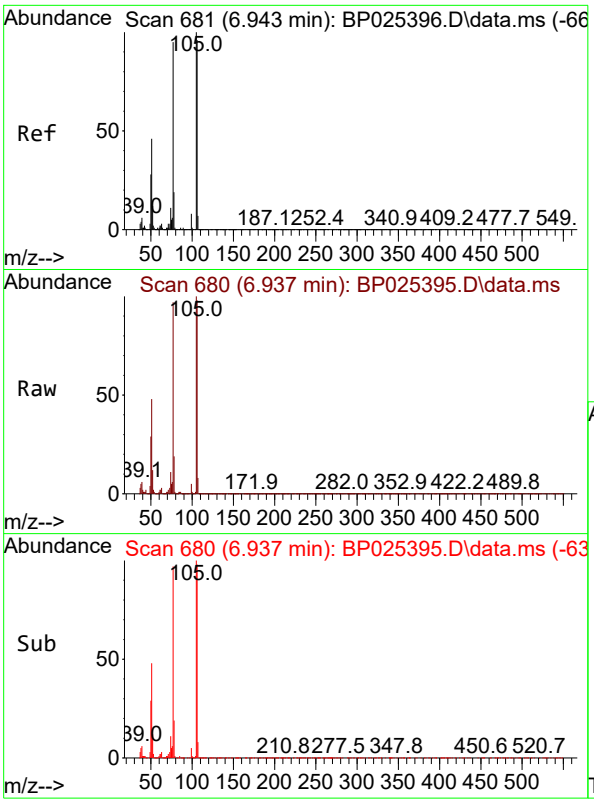


#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:128 Resp: 190858

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	44.0	23.4	63.4

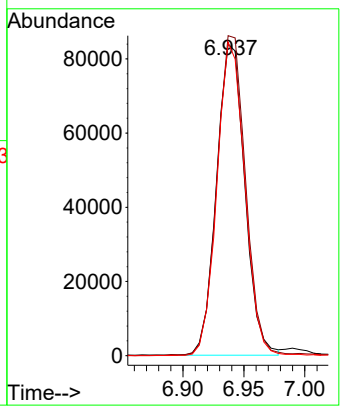




#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 13546

Ion	Ratio	Lower	Upper
77	100		
105	102.7	84.8	124.8
106	100.6	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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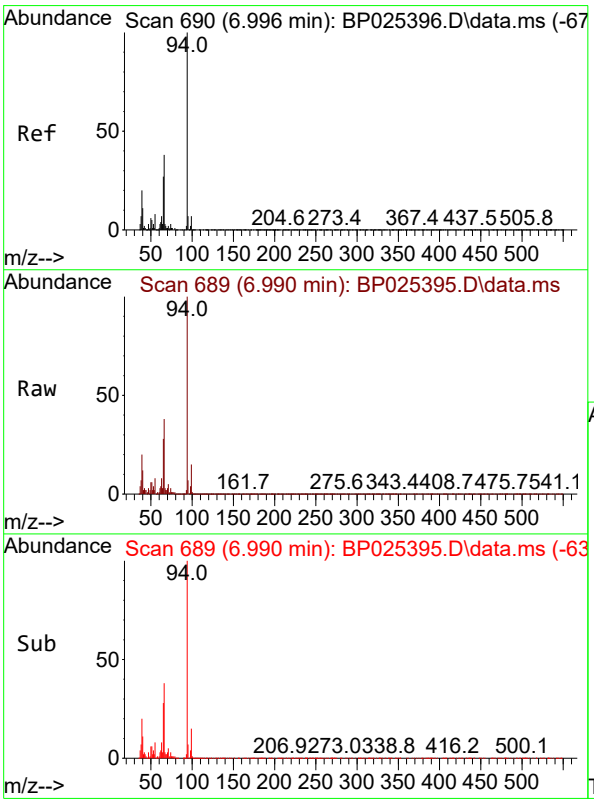
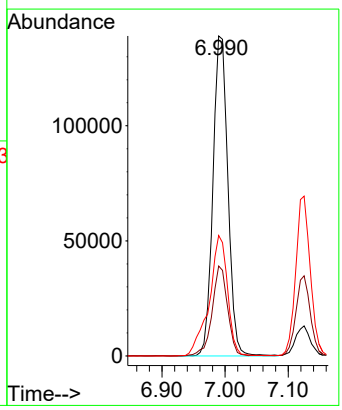
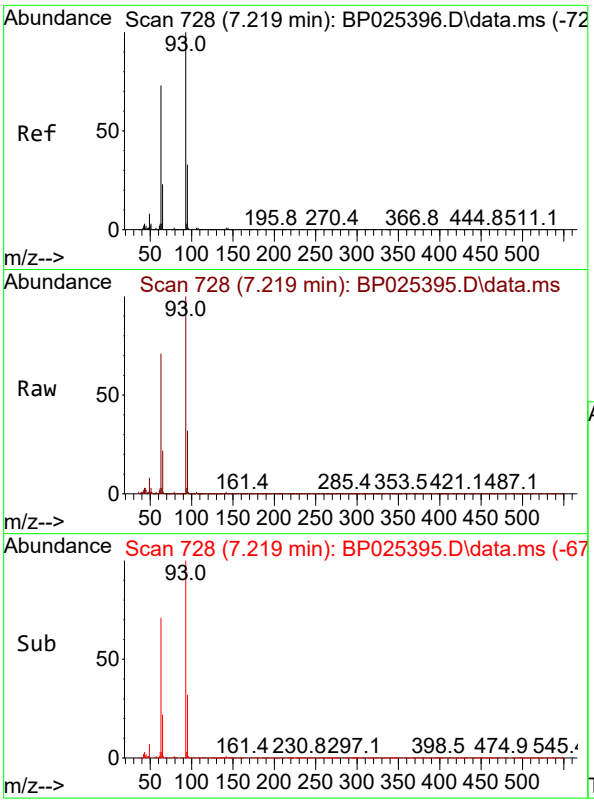


#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 94 Resp: 228580

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	37.7	18.2	58.2

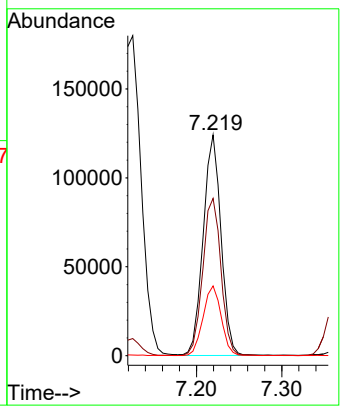




#11
bis(2-Chloroethyl)ether
Concen: 20.159 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 18039

Ion	Ratio	Lower	Upper
93	100		
63	71.2	52.6	92.6
95	31.6	12.7	52.7



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ClientSampleId :
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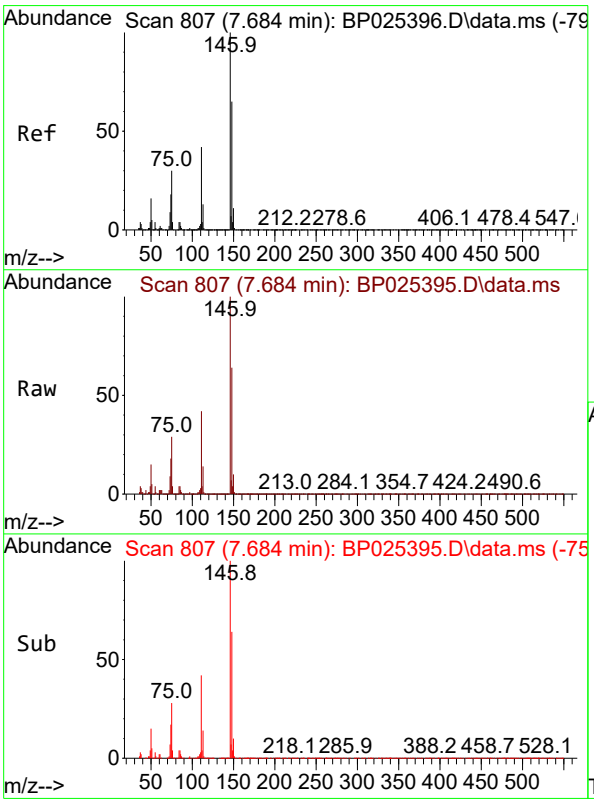
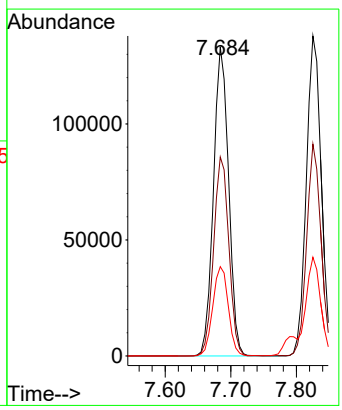
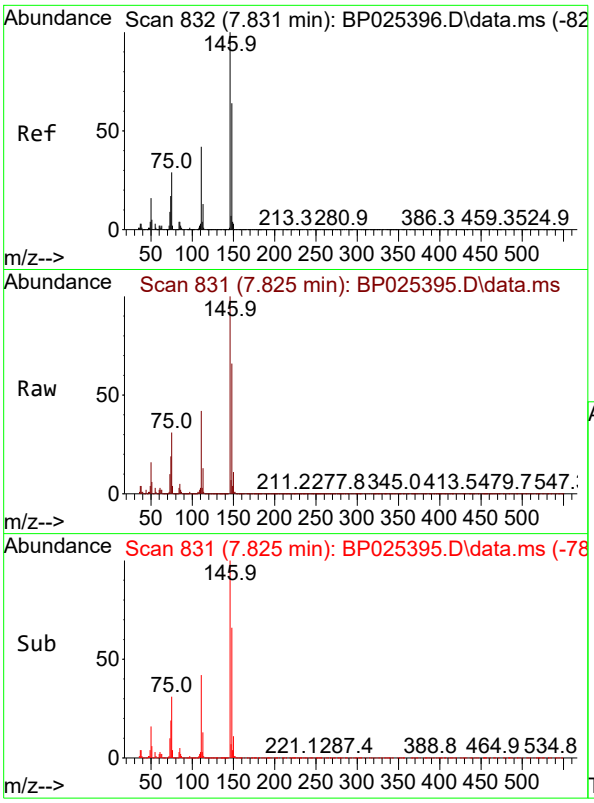


#12
1,3-Dichlorobenzene
Concen: 20.061 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 213023

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	28.9	23.7	35.5

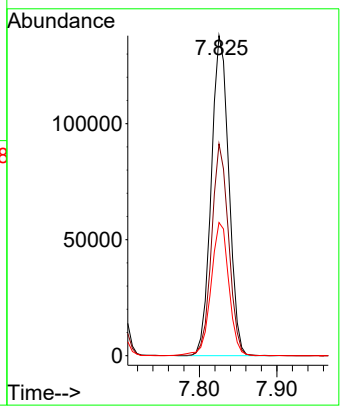




#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 21640

Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.6	77.4
111	41.6	33.4	50.0



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ClientSampleId :
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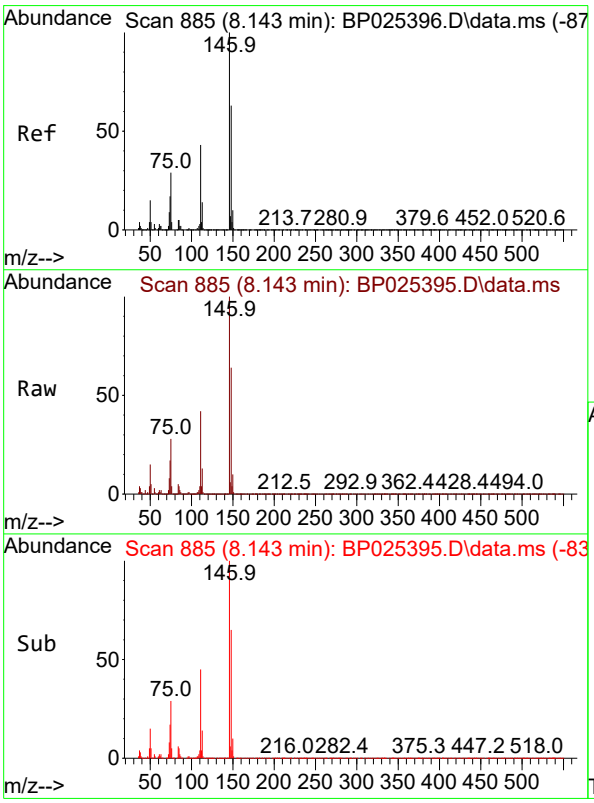
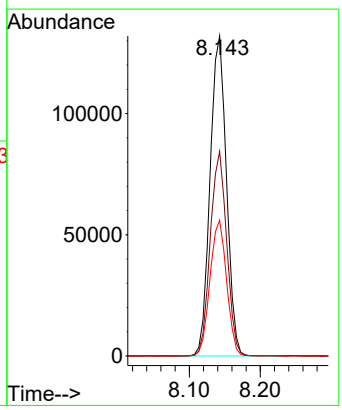
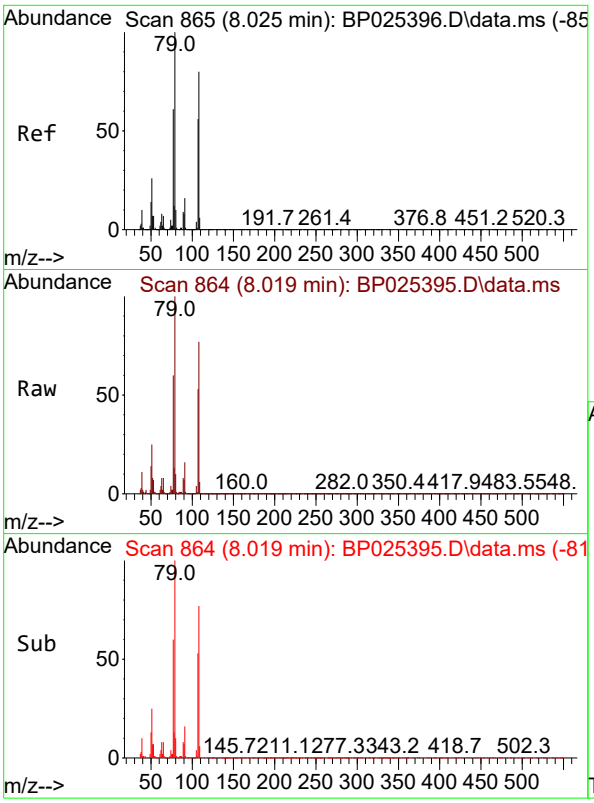


#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 211243

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	42.4	34.5	51.7

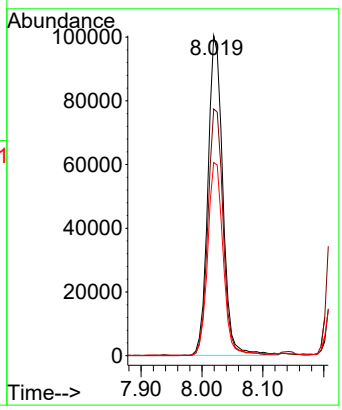




#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 79 Resp: 17073

Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.8	95.6
77	60.3	49.0	73.4



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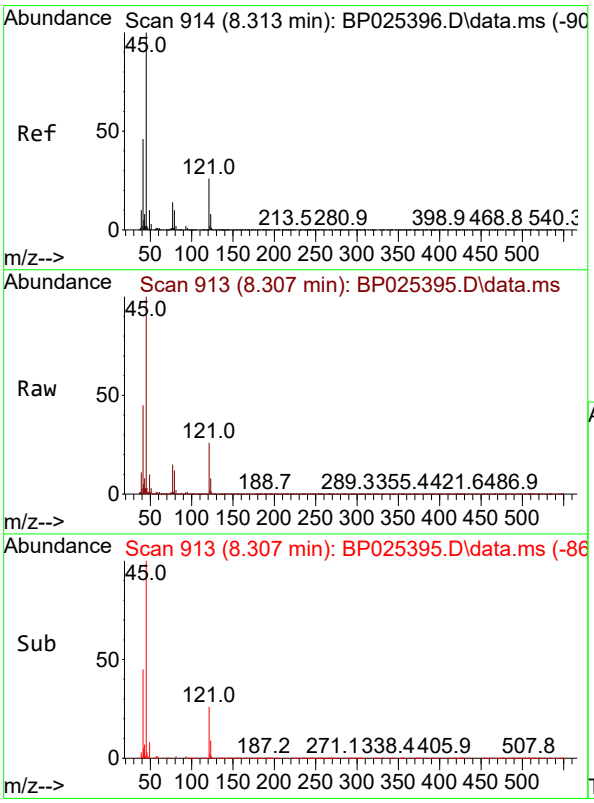
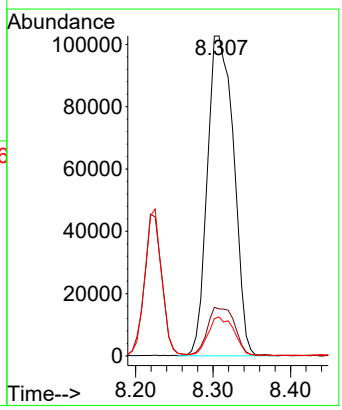
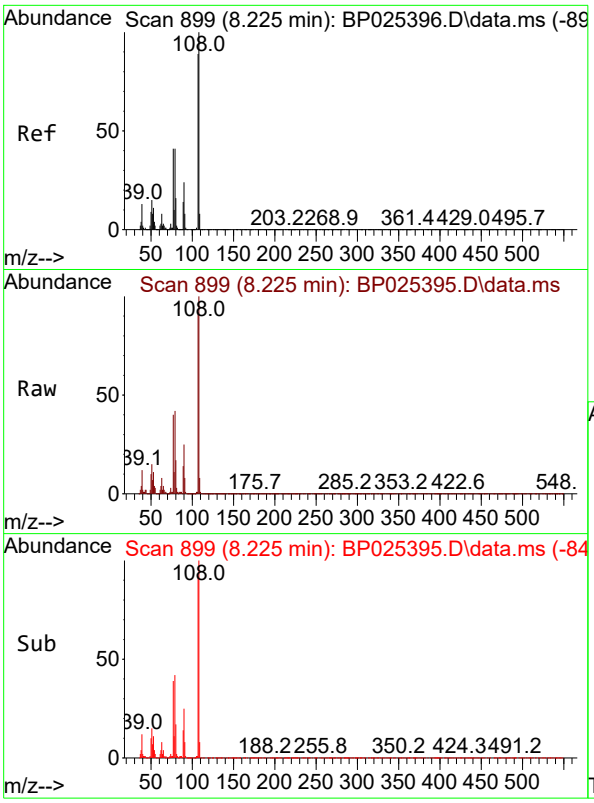


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 45 Resp: 242616

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	12.2	0.0	31.8

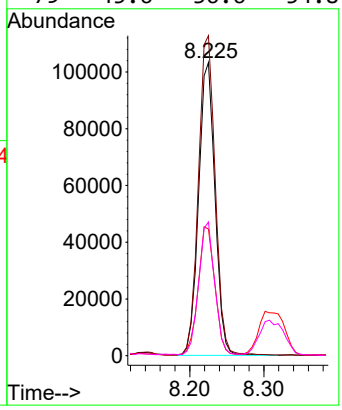




#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 15911

Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
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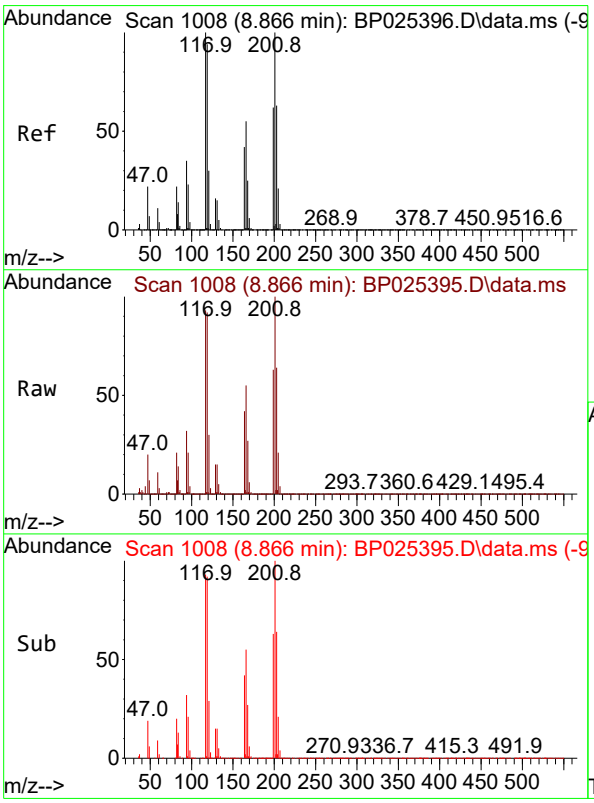
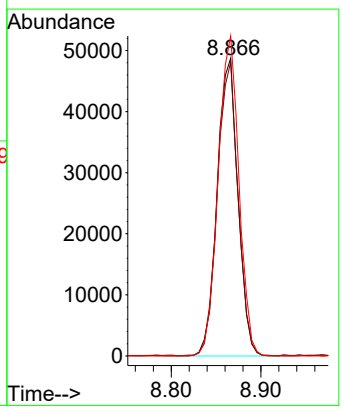
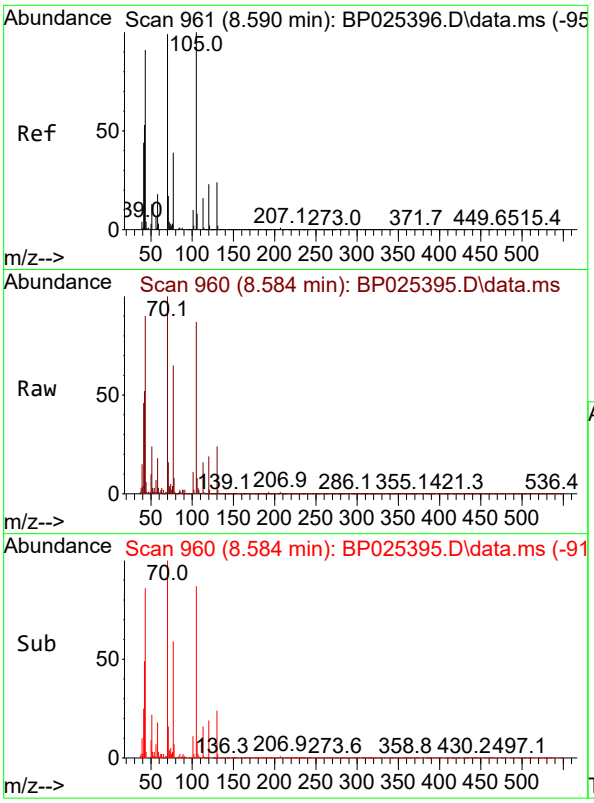


#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:117 Resp: 78205

Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1

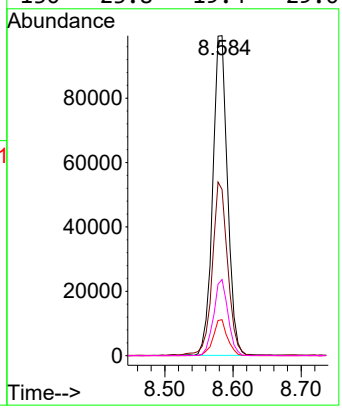




#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 70 Resp: 14971

Ion	Ratio	Lower	Upper
70	100		
42	52.0	43.8	65.6
101	11.3	8.5	12.7
130	23.8	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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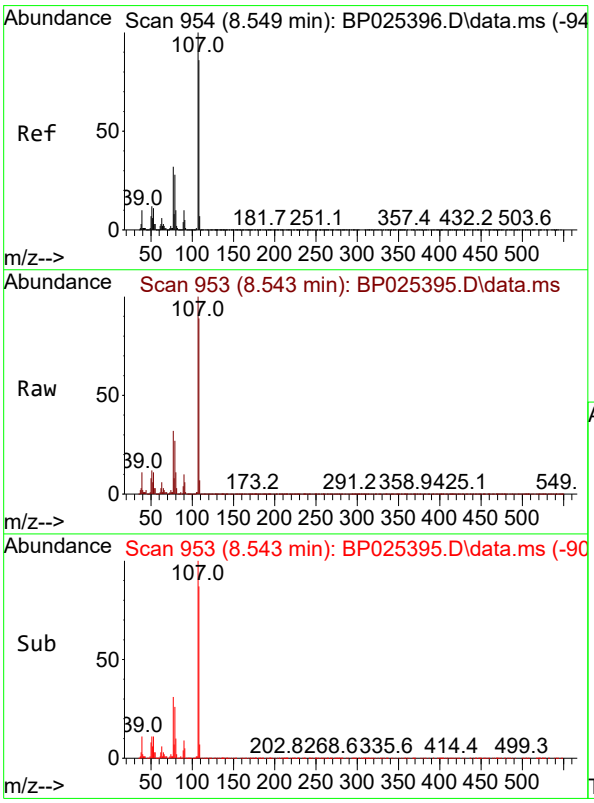
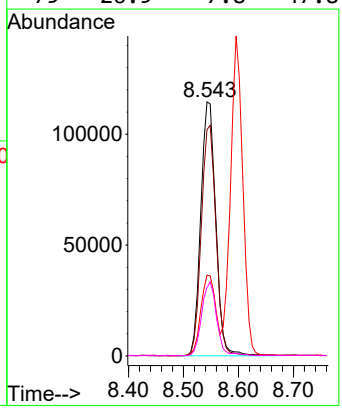
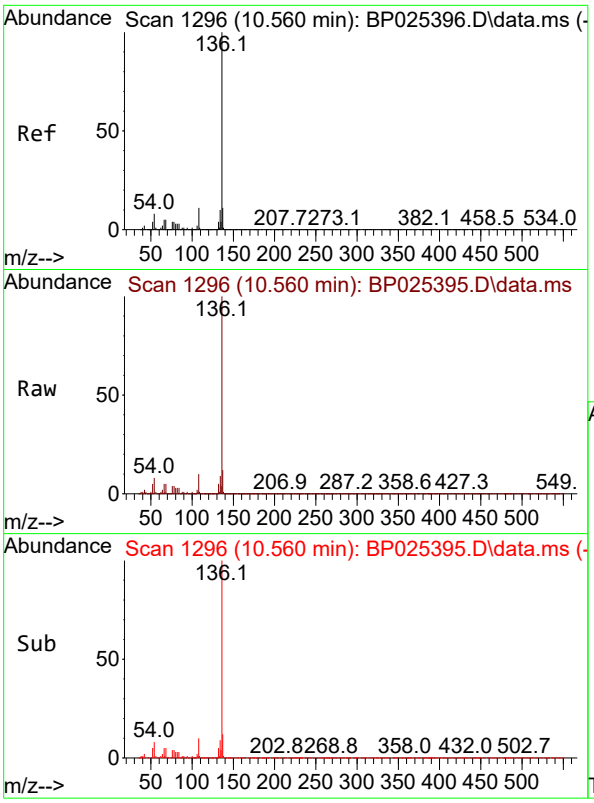


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 217240

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	31.8	12.3	52.3
79	26.9	7.8	47.8

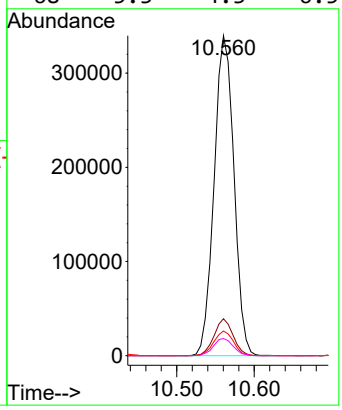




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:136 Resp: 60379

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



Instrument :
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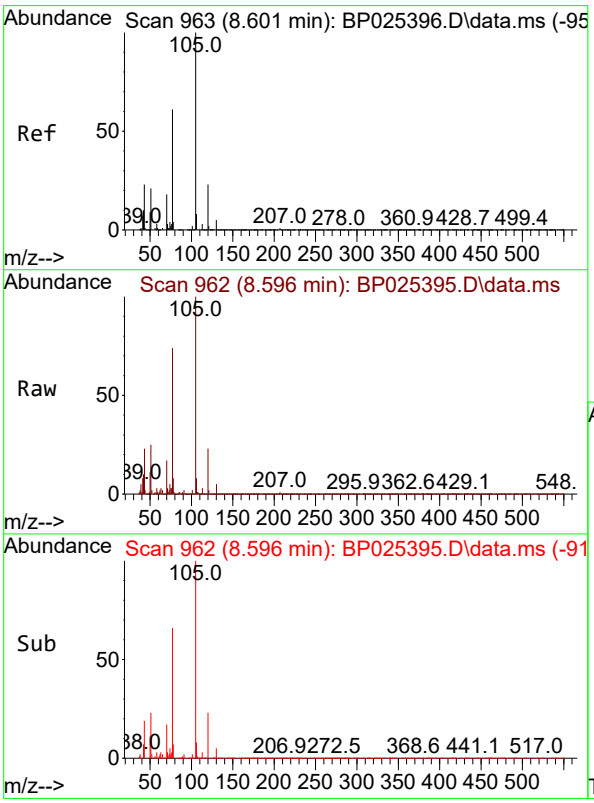
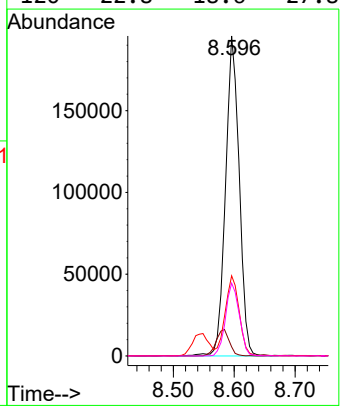
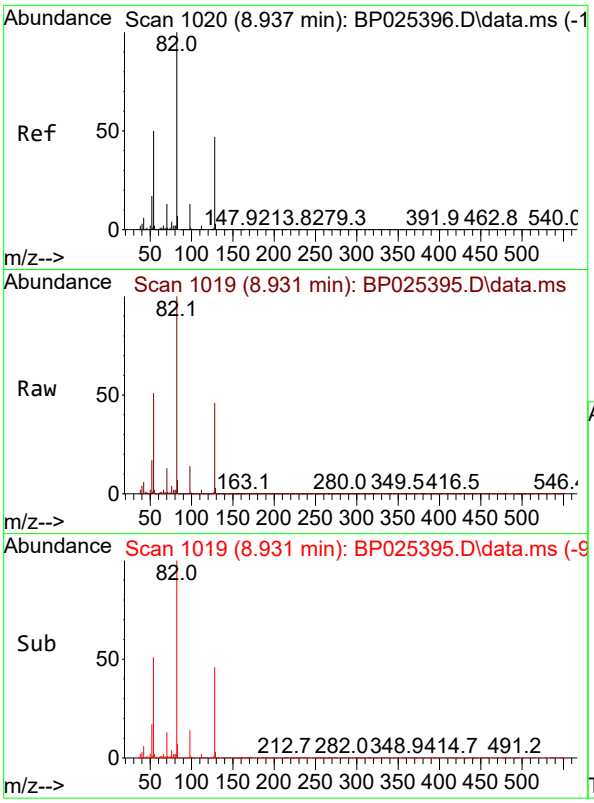


#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:105 Resp: 305812

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8





#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 82 Resp: 47393

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	50.8	39.8	59.6

Instrument :
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ClientSampleId :
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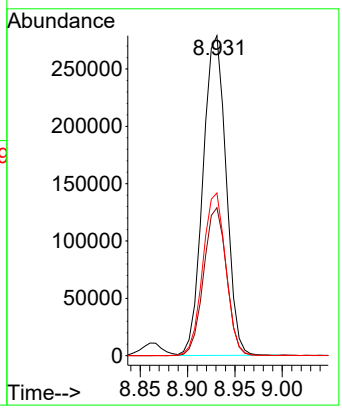
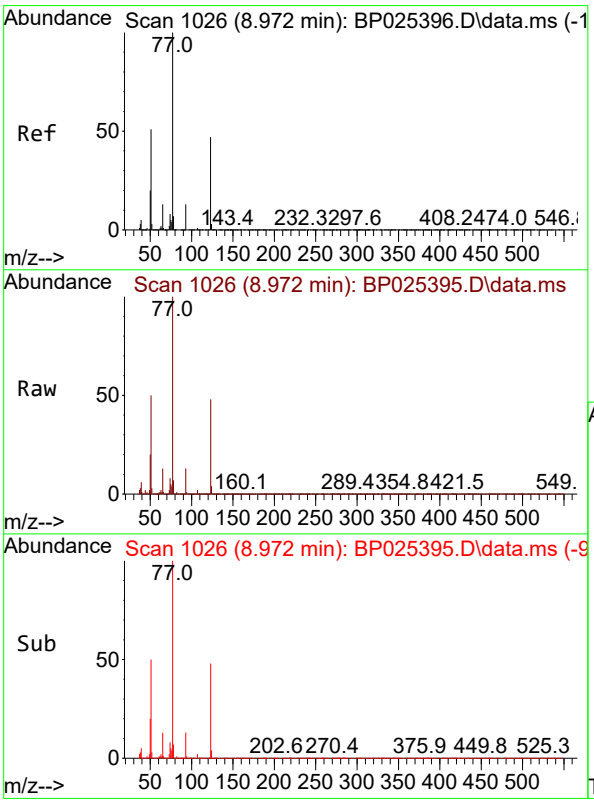
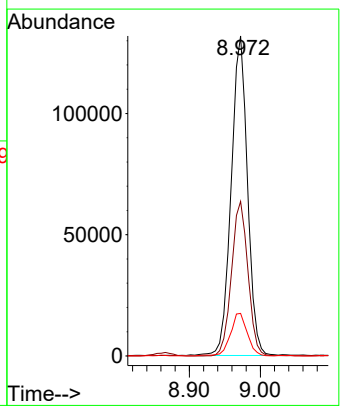


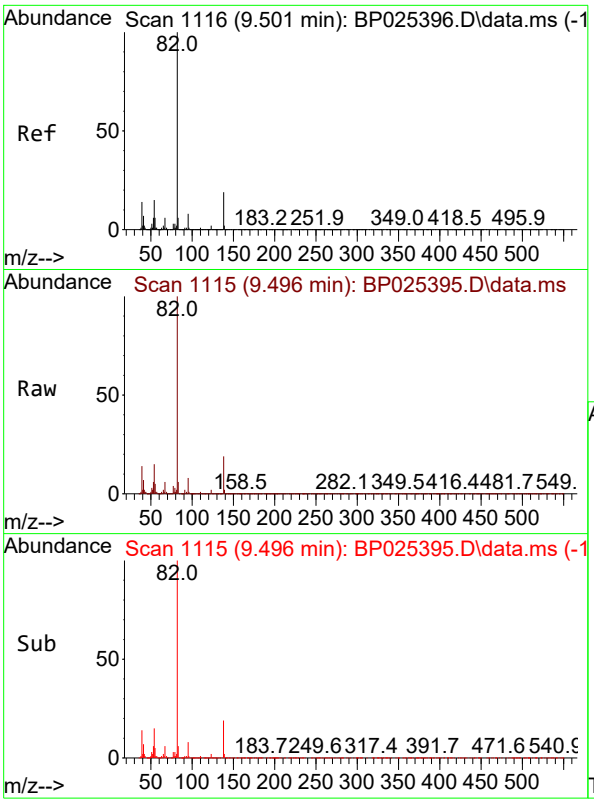


#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 210234

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.3	10.6	15.8

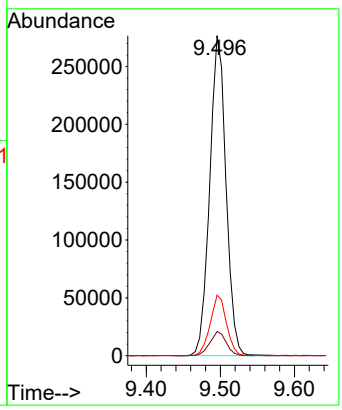




#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 82 Resp: 42237

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.9	15.4	23.0



Instrument :
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ClientSampleId :
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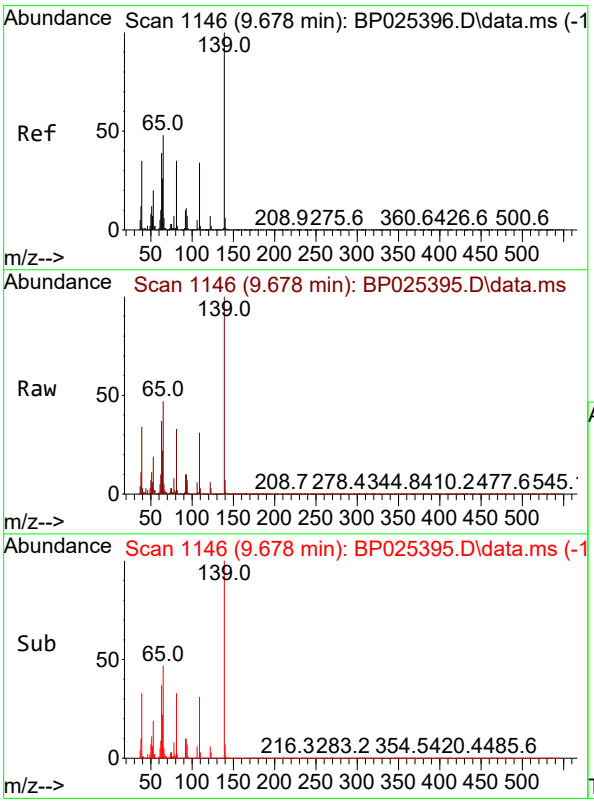
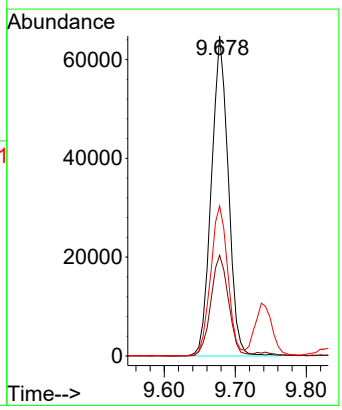
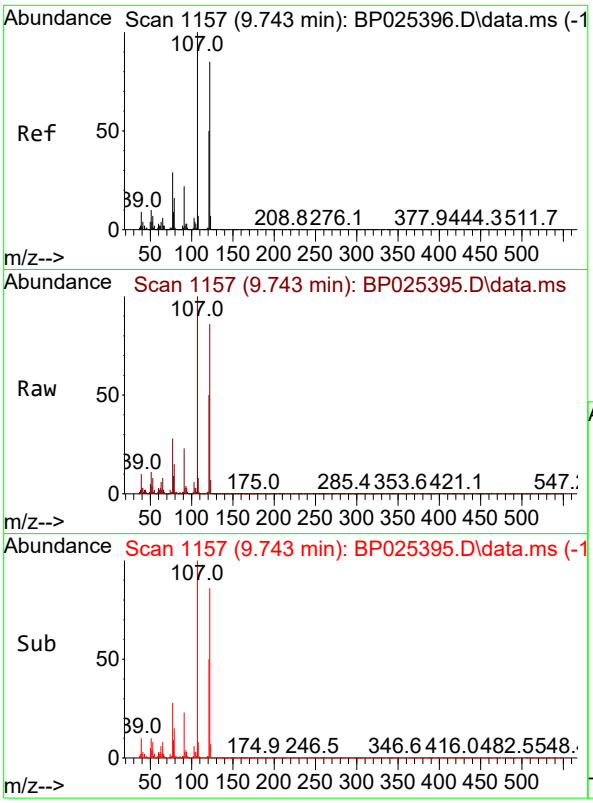


#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 106805

Ion	Ratio	Lower	Upper
139	100		
109	31.5	26.9	40.3
65	46.9	38.3	57.5

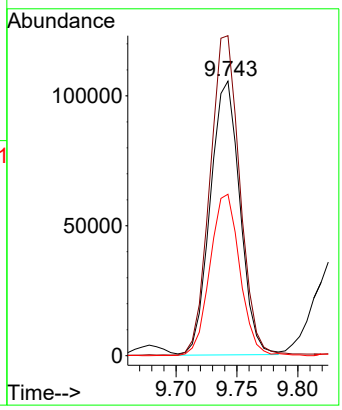




#27
2,4-Dimethylphenol
Concen: 18.963 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 17853

Ion	Ratio	Lower	Upper
122	100		
107	116.5	93.7	140.5
121	58.8	46.6	69.8



Instrument :
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ClientSampleId :
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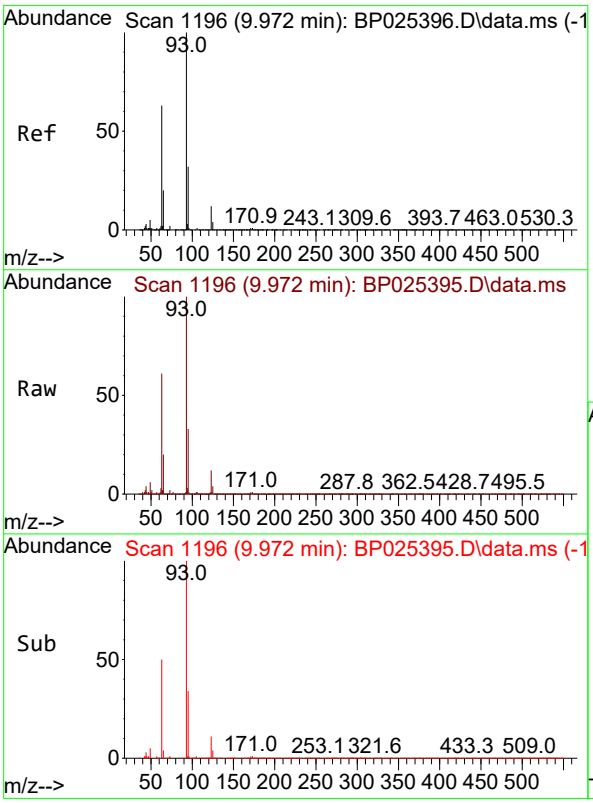
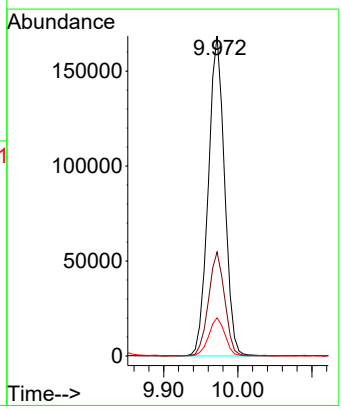
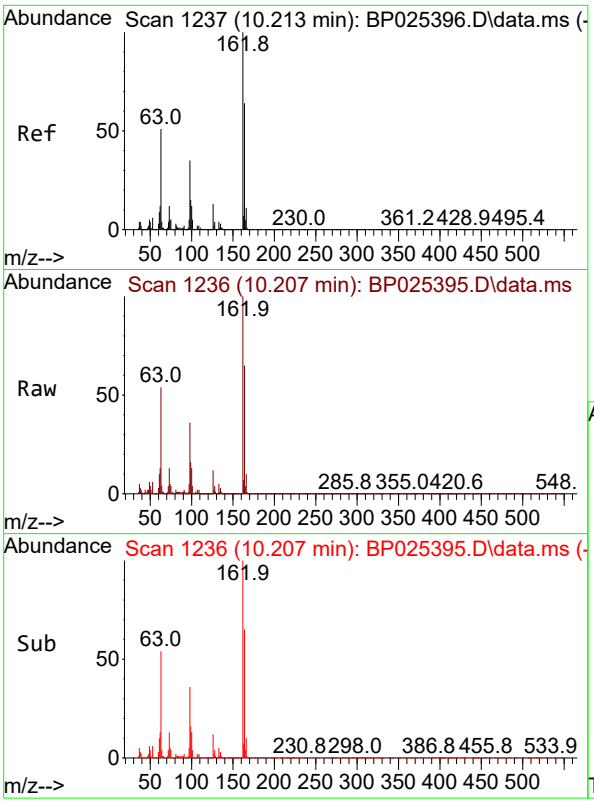


#28
bis(2-Chloroethoxy)methane
Concen: 20.100 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 256656

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.9	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:162 Resp: 18607

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.4	84.4
98	35.7	14.9	54.9

Instrument :
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SSTDICC020

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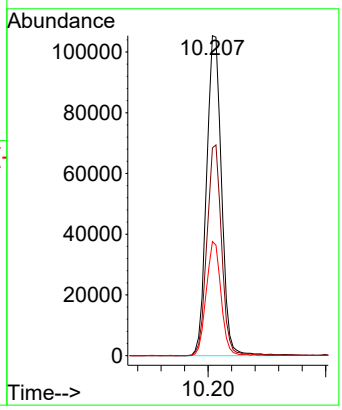
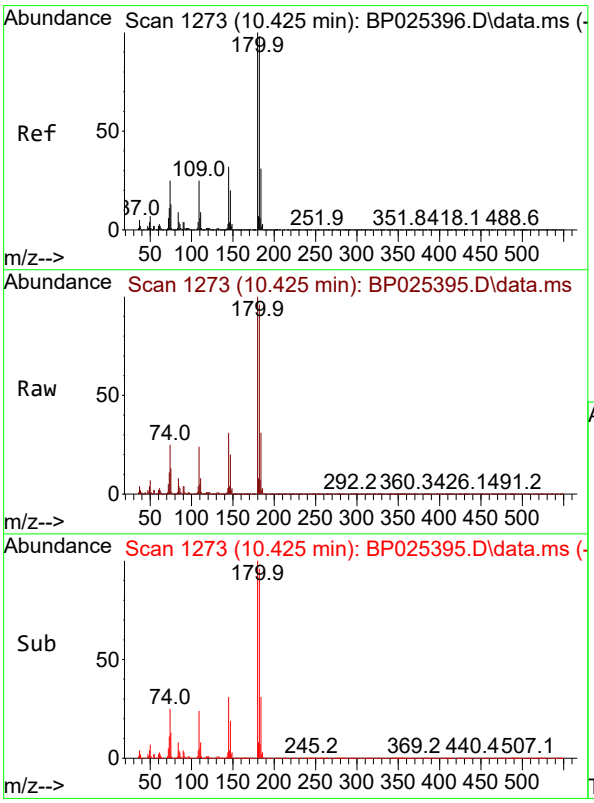
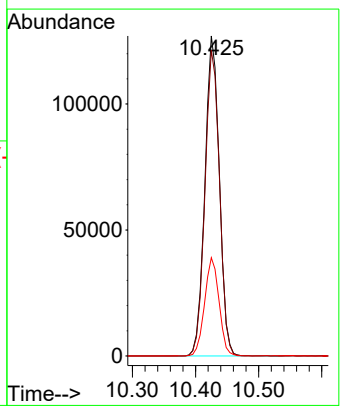


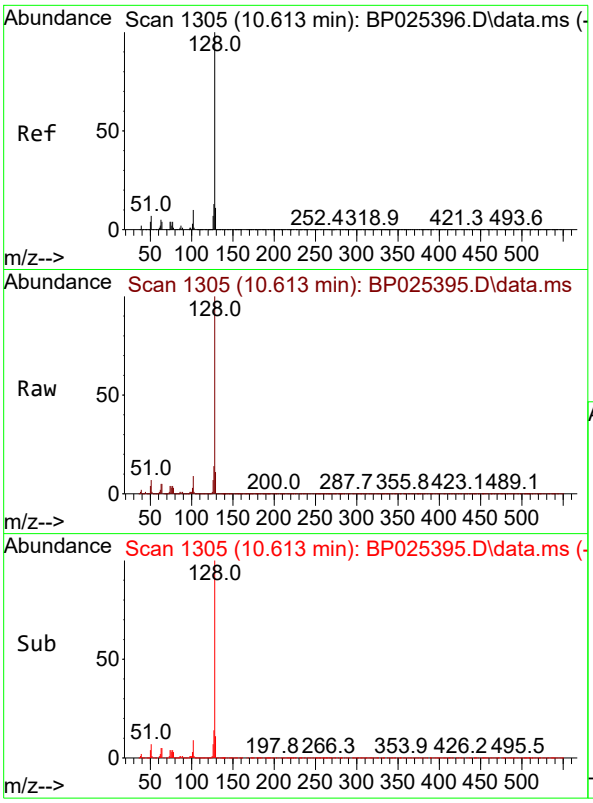


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:180 Resp: 201995

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	30.7	25.9	38.9





#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:128 Resp: 625899

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.7	10.7	16.1

Instrument :
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ClientSampleId :
SSTDICC020

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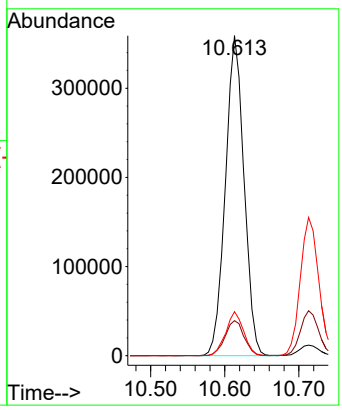
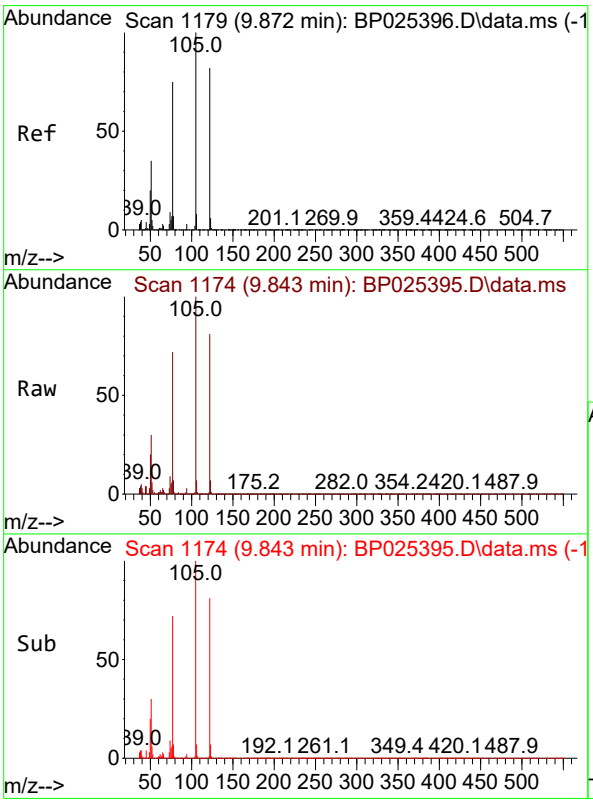
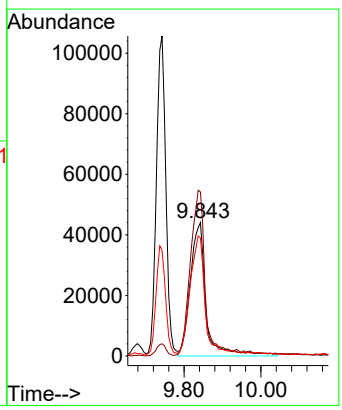


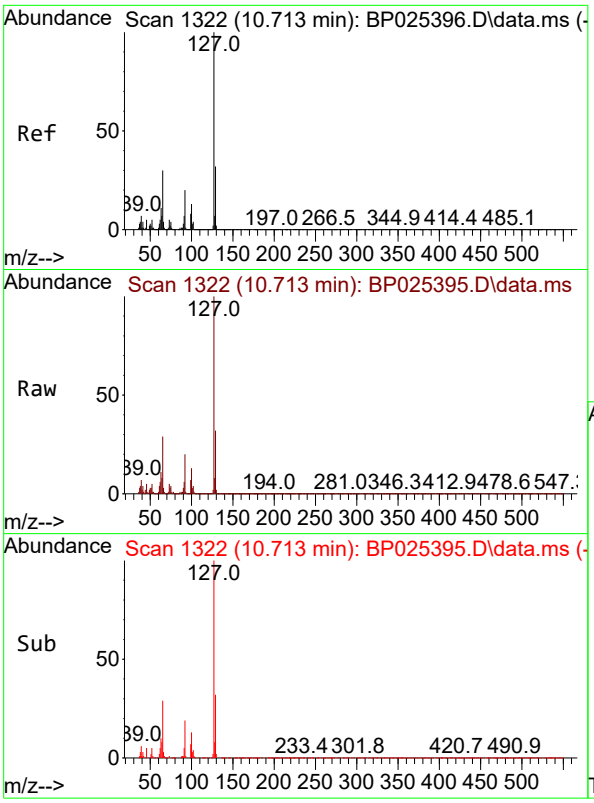


#32
Benzoic acid
Concen: 18.004 ng m
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 124836

Ion	Ratio	Lower	Upper
122	100		
105	122.9	100.6	140.6
77	88.5	71.5	111.5

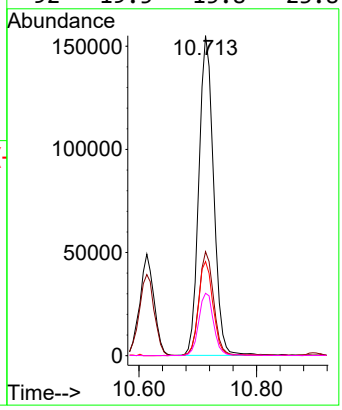




#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:127 Resp: 27015

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8



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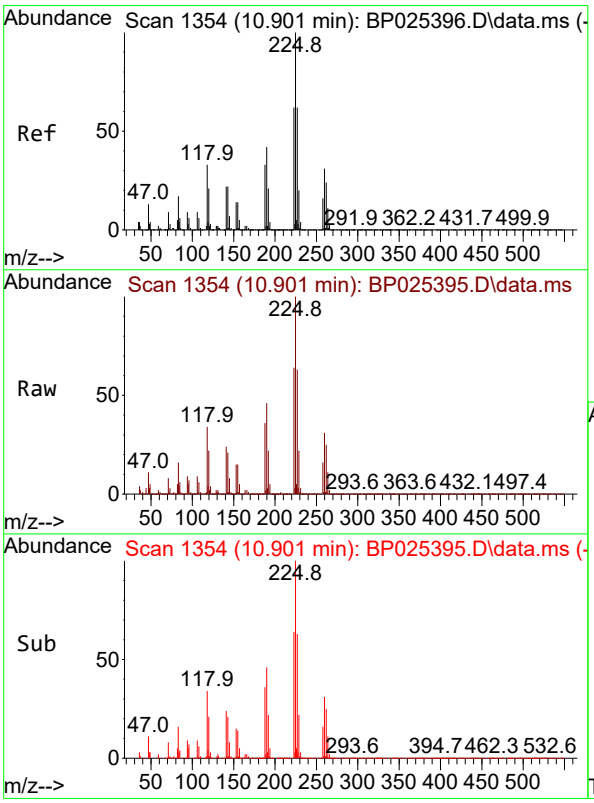
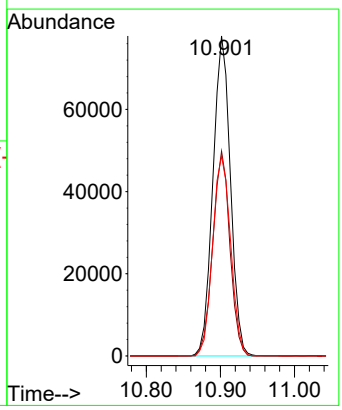
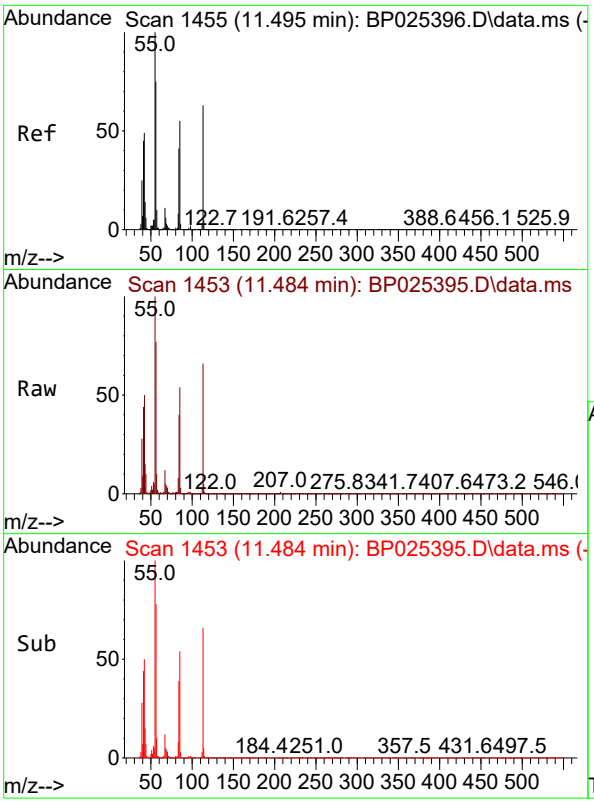


#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:225 Resp: 127593

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5

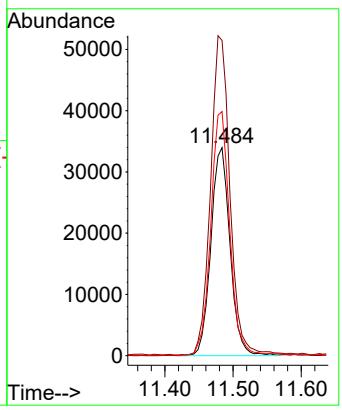




#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:113 Resp: 6616

Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	117.4	100.0	140.0



Instrument :
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ClientSampleId :
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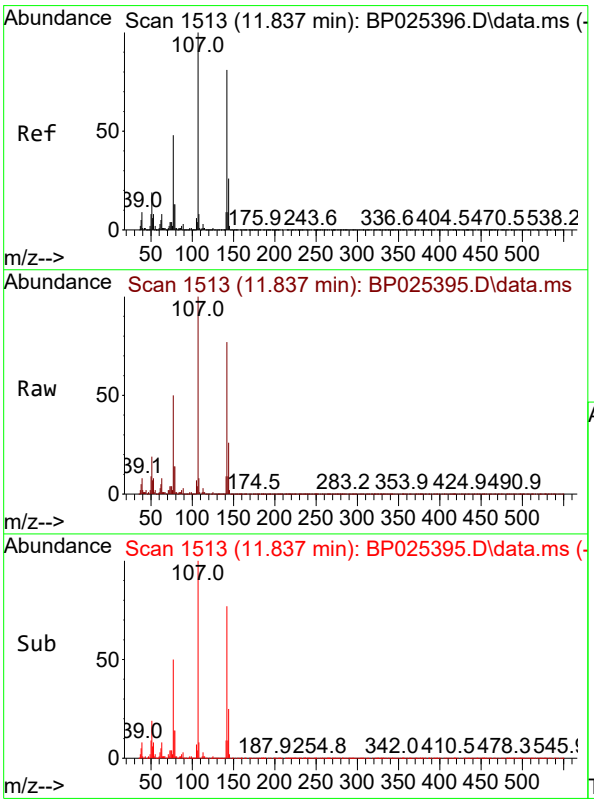
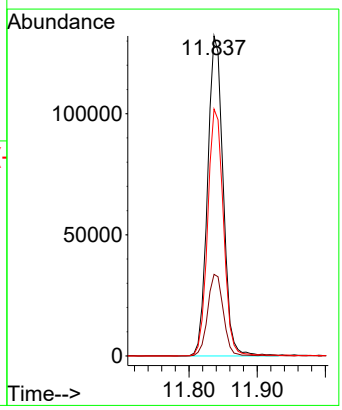
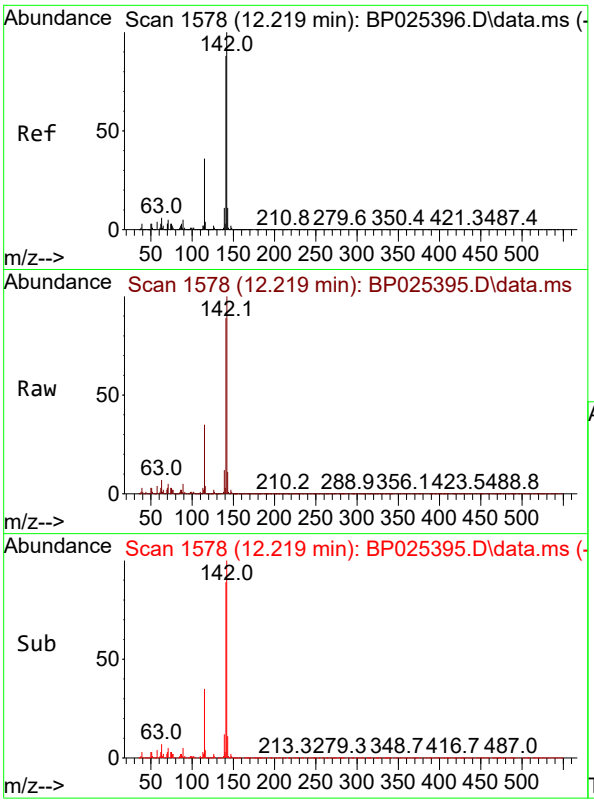


#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 209817

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	77.1	64.6	97.0

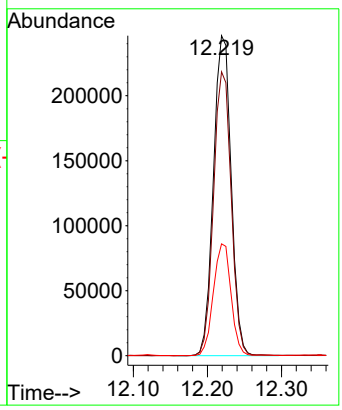




#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 40961

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5
115	35.0	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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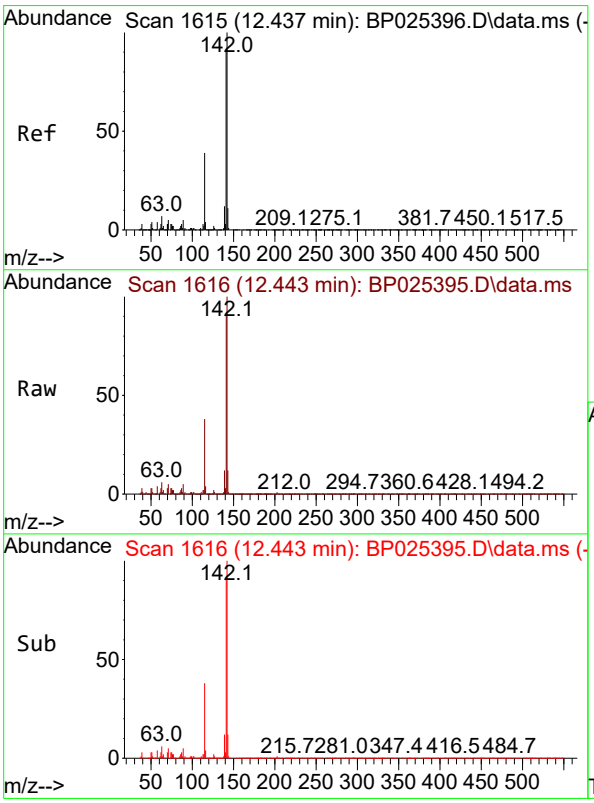
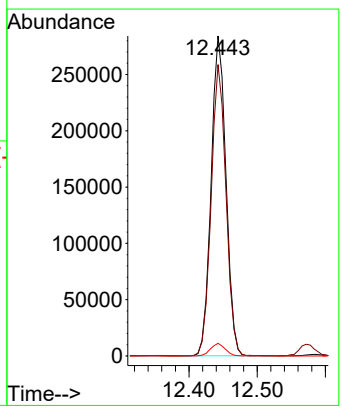
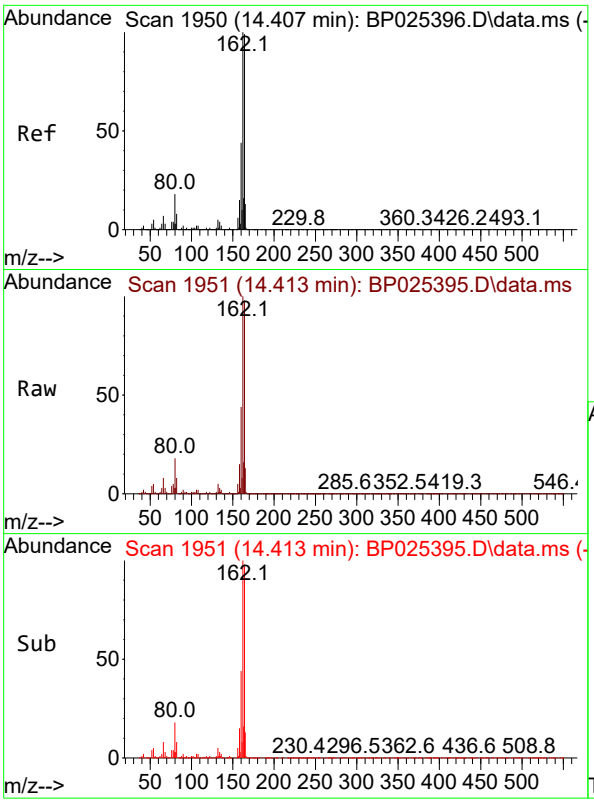


#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.1	109.7
116	3.9	3.2	4.8

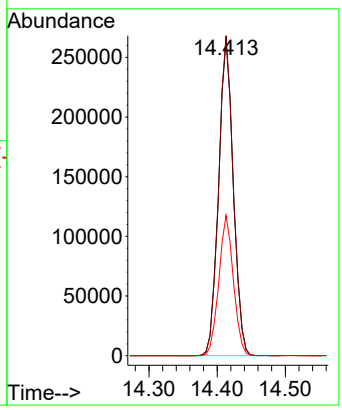




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:164 Resp: 39903

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.6
160	44.6	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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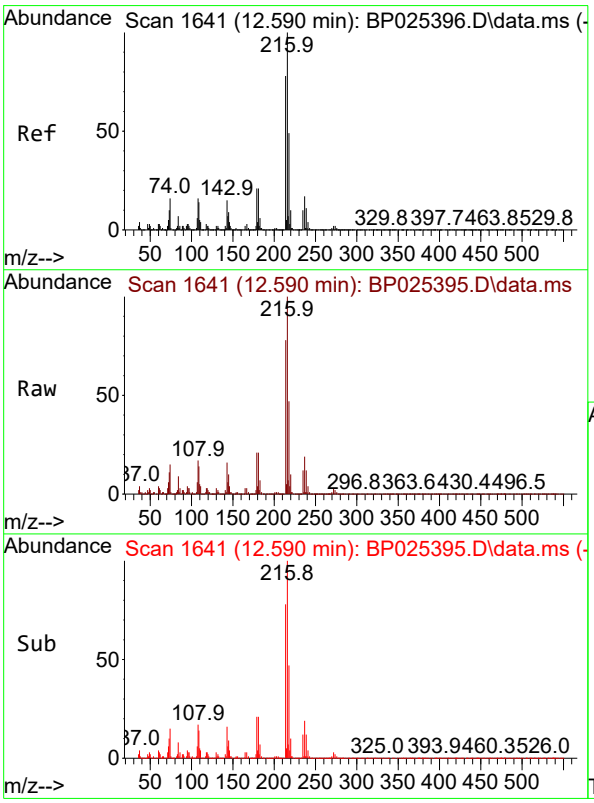
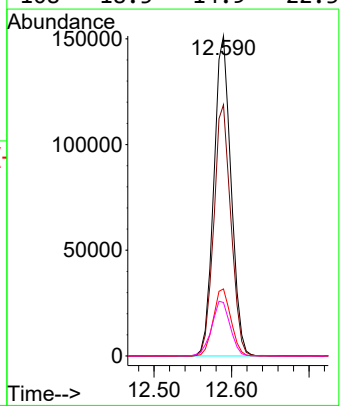
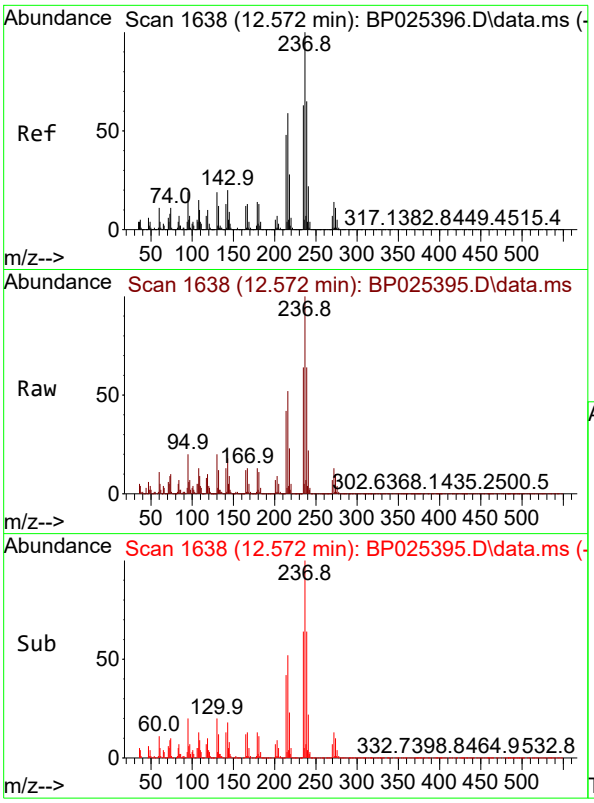


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:216 Resp: 233523

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.6	17.1	25.7
108	18.5	14.9	22.3

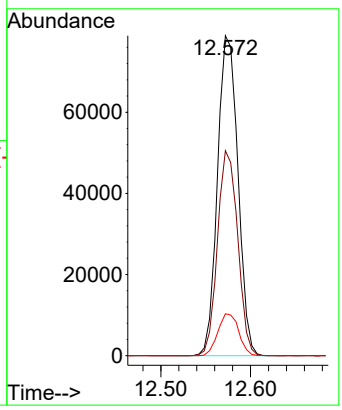




#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:237 Resp: 12475

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.7	82.7
272	13.1	0.0	34.0



Instrument :
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ClientSampleId :
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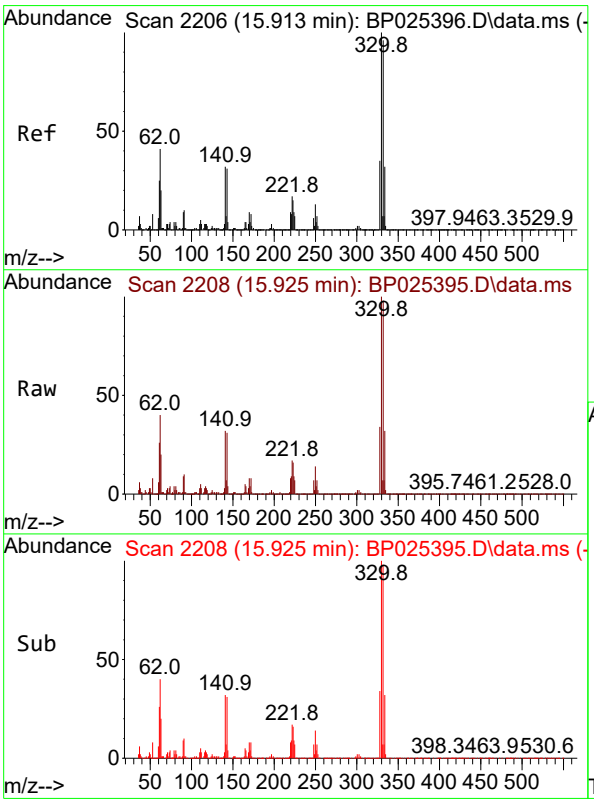
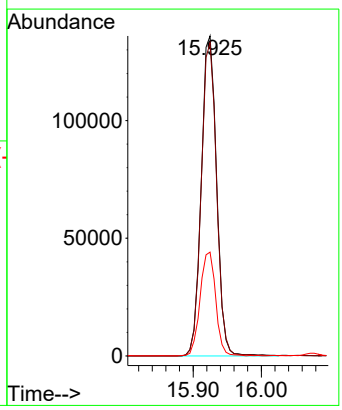
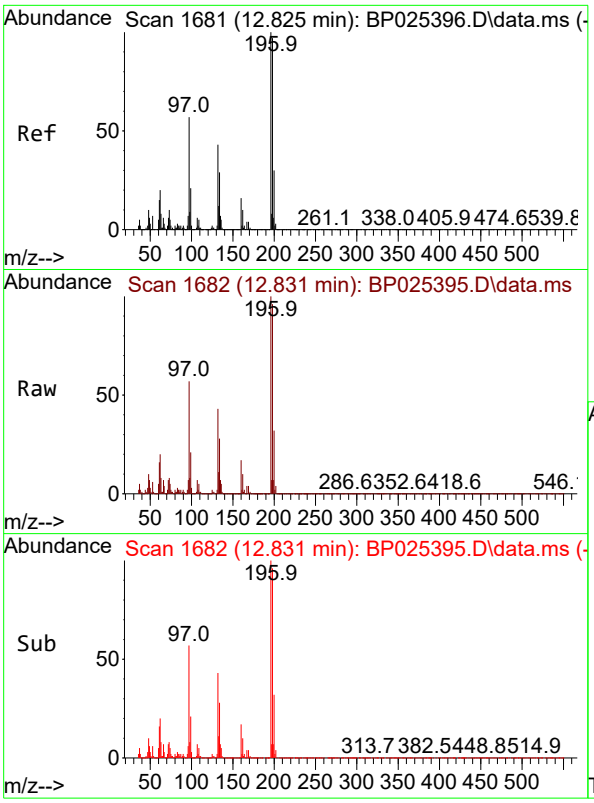


#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:330 Resp: 212968

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	32.8	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 15203

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.8	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
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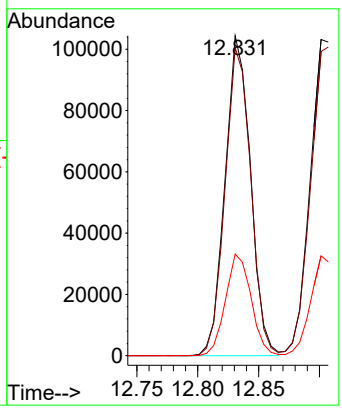
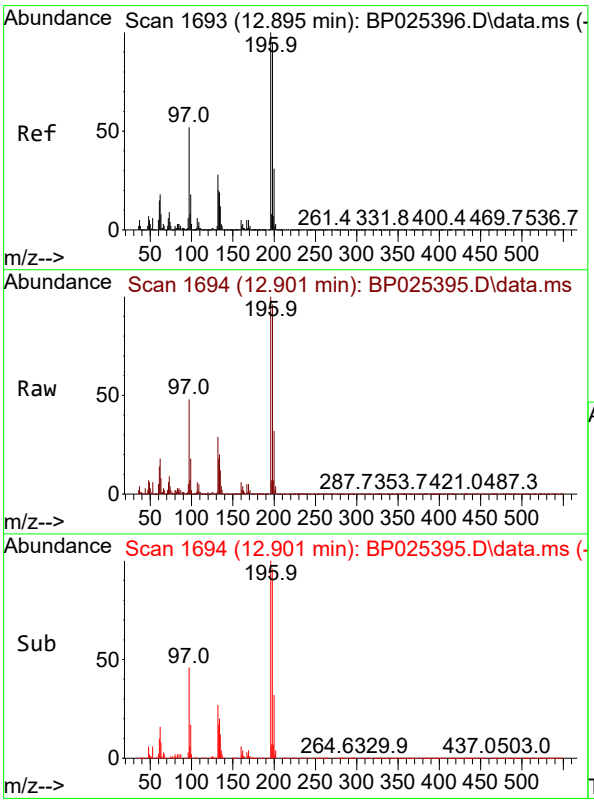
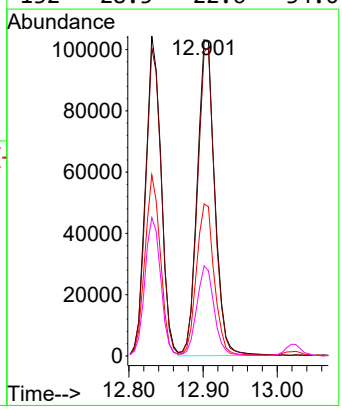


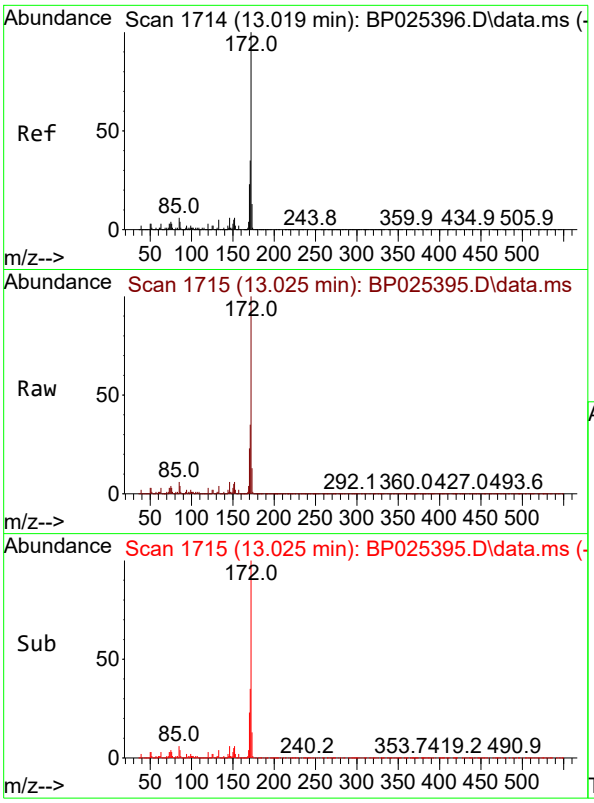


#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
97	48.1	41.2	61.8
132	28.5	22.6	34.0

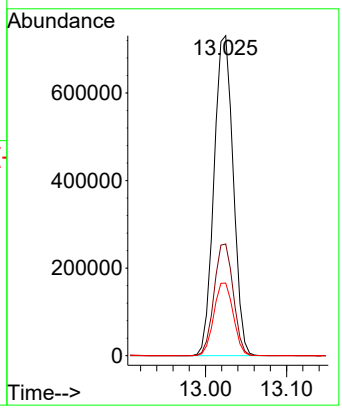




#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:172 Resp: 120306

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	22.7	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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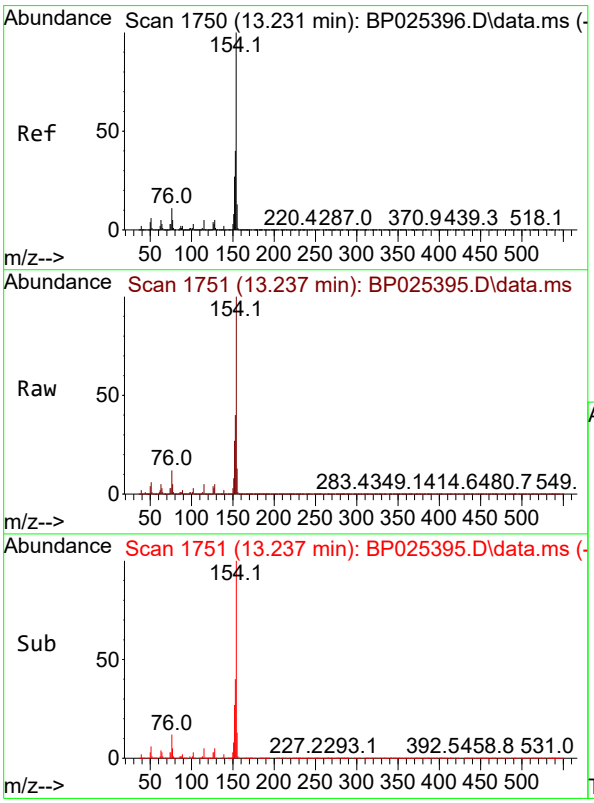
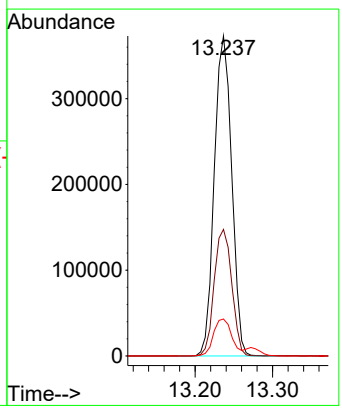
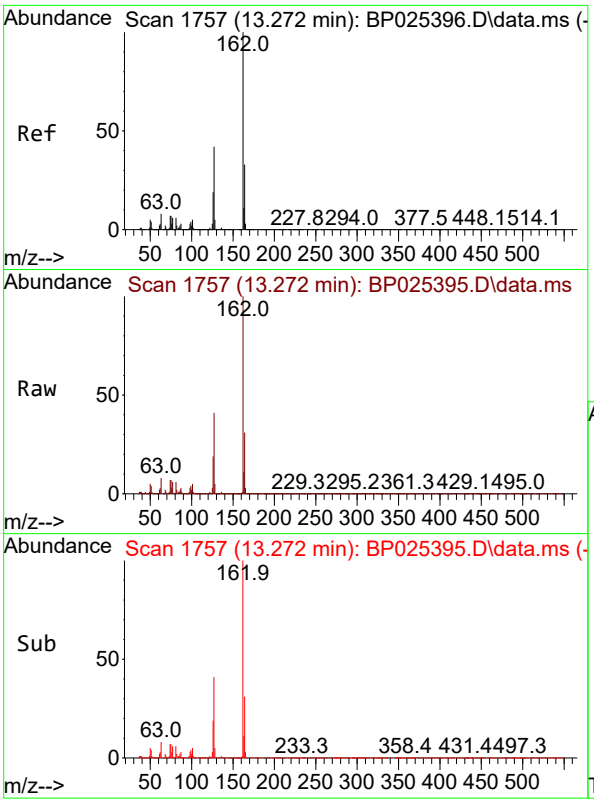


#46
1,1'-Biphenyl
Concen: 20.064 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 581464

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.5	0.0	31.1

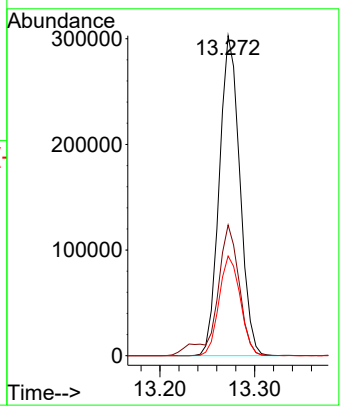




#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:162 Resp: 45655

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	31.2	26.2	39.2



Instrument :
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ClientSampleId :
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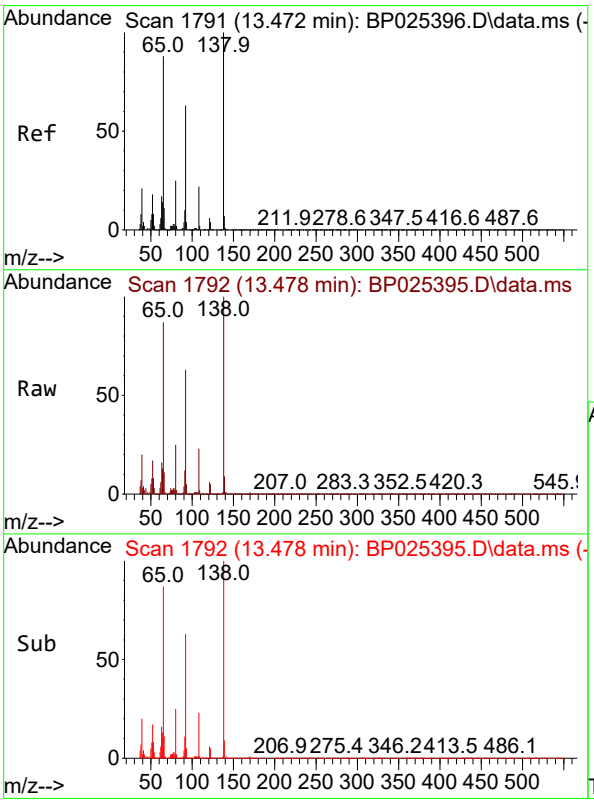
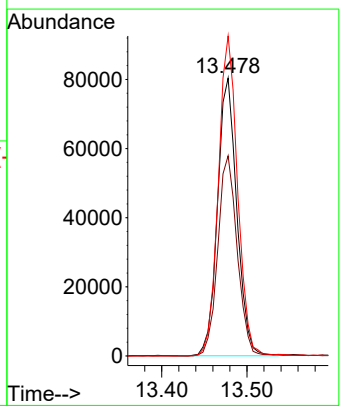
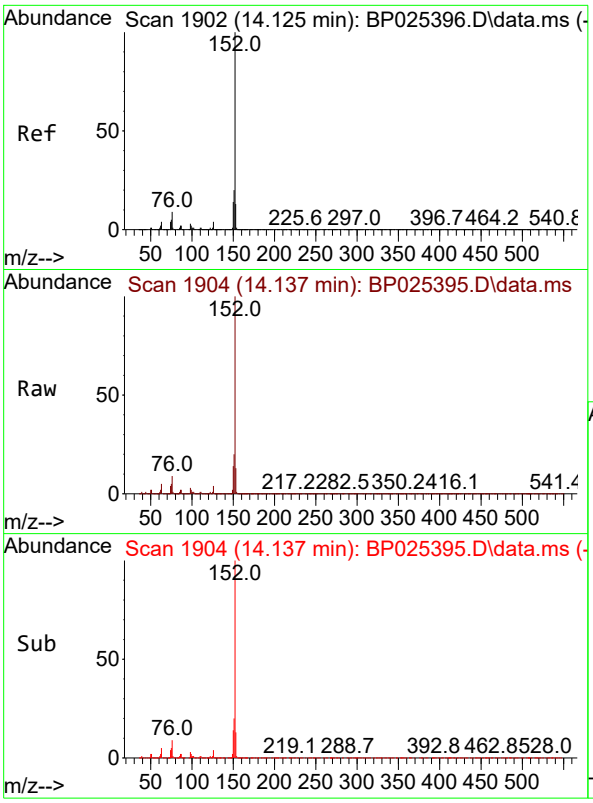


#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 65 Resp: 126433

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	115.1	91.0	136.6

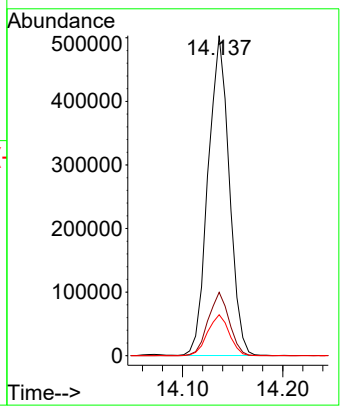




#49
Acenaphthylene
Concen: 19.756 ng
RT: 14.137 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:152 Resp: 73752

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8



Instrument :
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ClientSampleId :
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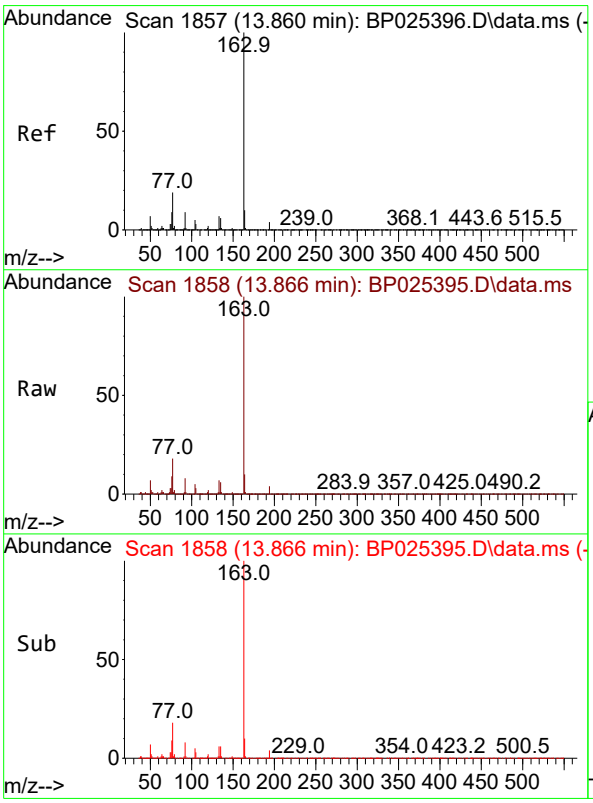
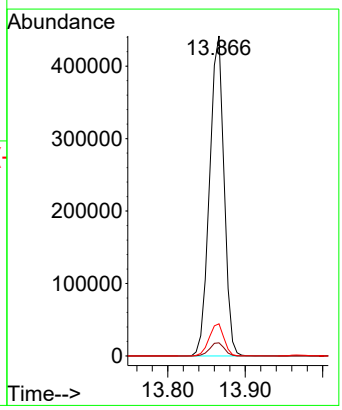
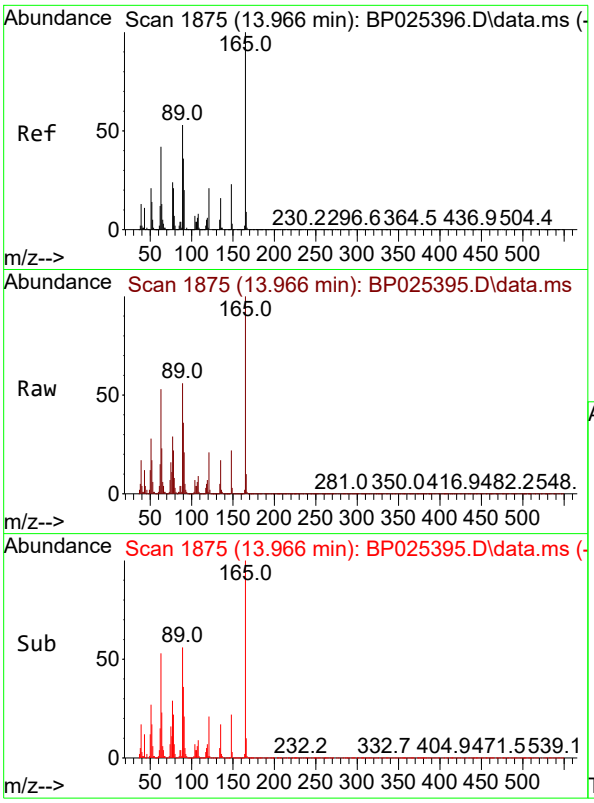


#50
Dimethylphthalate
Concen: 19.632 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:163 Resp: 573661

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:165 Resp: 12069

Ion	Ratio	Lower	Upper
165	100		
63	52.9	40.9	61.3
89	55.7	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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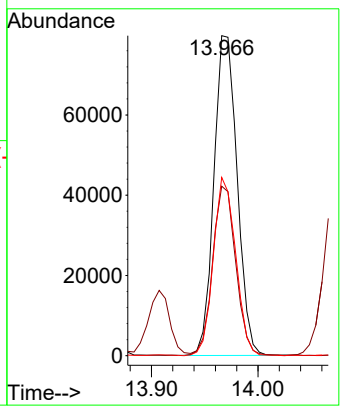
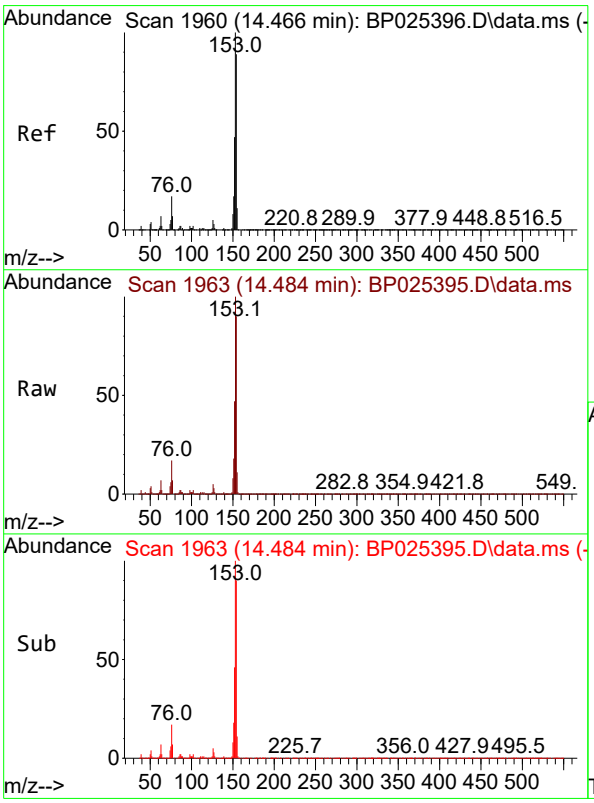
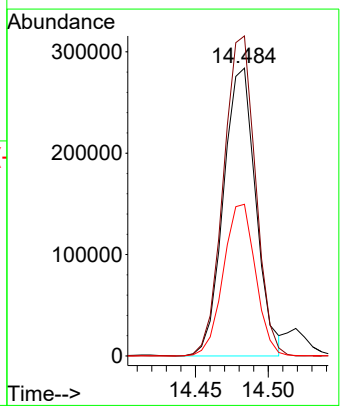


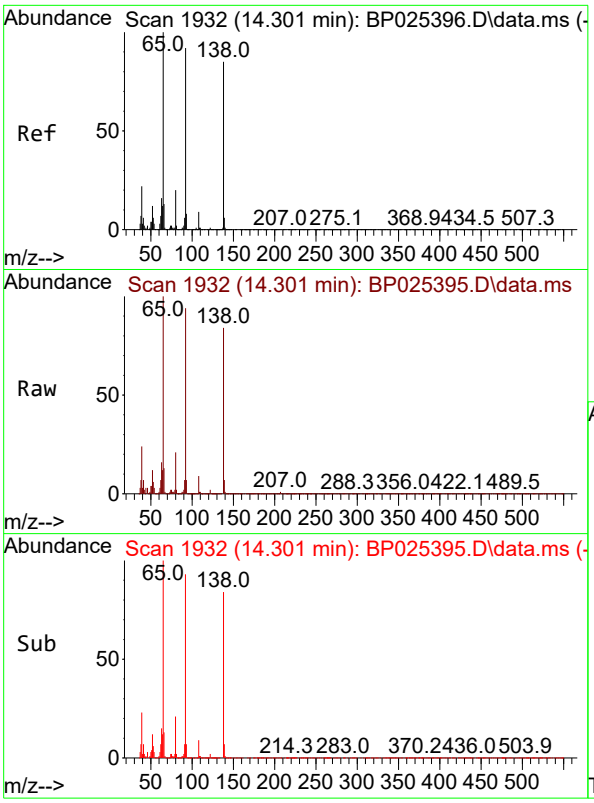


#52
Acenaphthene
Concen: 20.027 ng m
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 438852

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.2	135.2
152	52.7	42.1	63.1





#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 13450

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	111.4	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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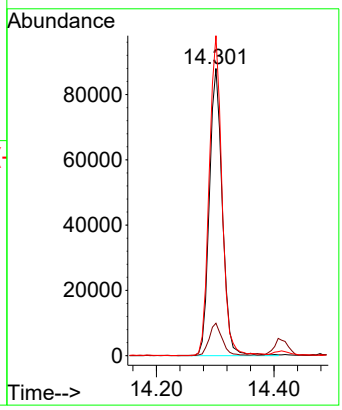
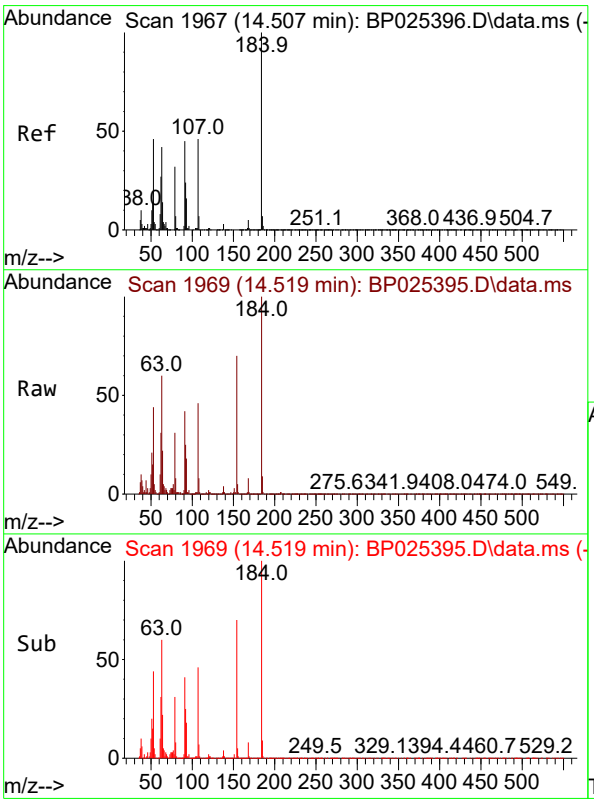
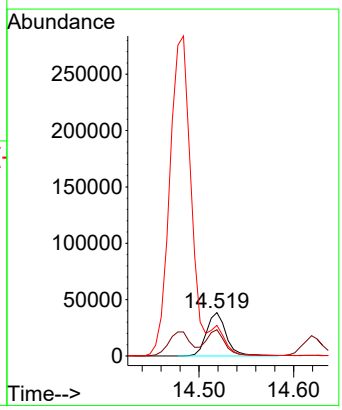


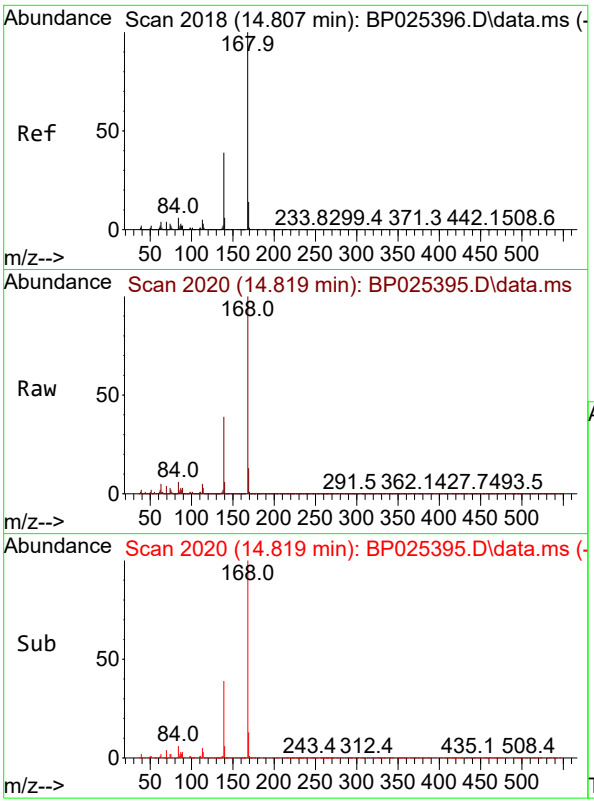


#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713

Ion	Ratio	Lower	Upper
184	100		
63	60.4	49.4	74.2
154	70.4	54.6	82.0

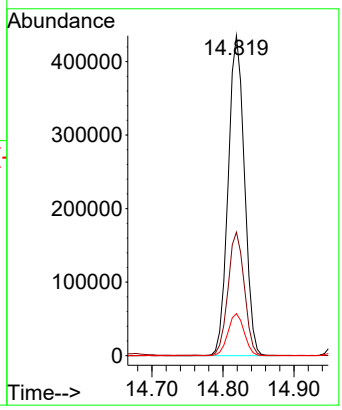




#55
Dibenzofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:168 Resp: 69296

Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.5	47.3
169	13.1	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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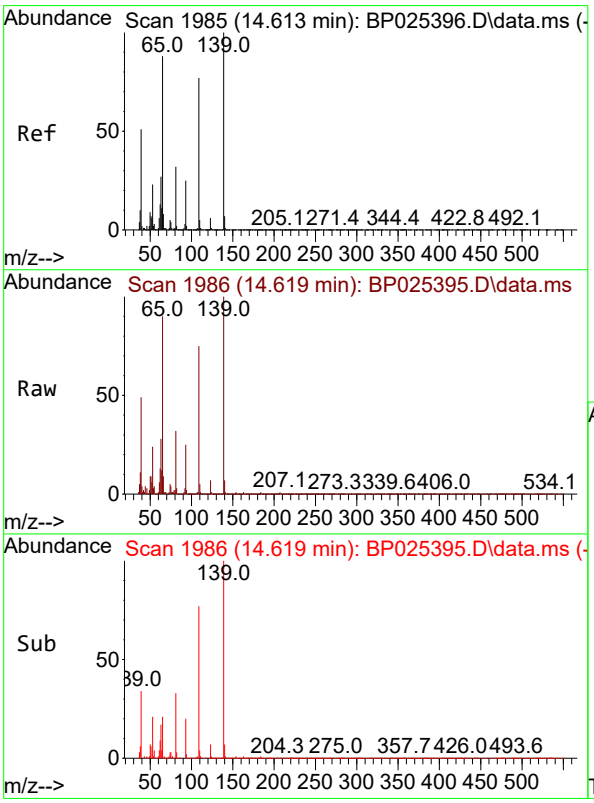
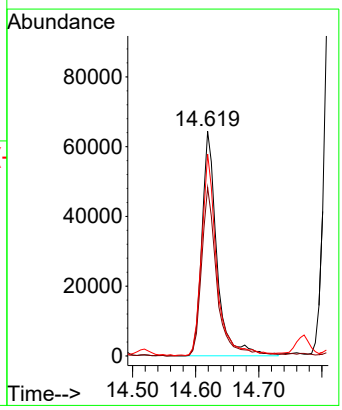
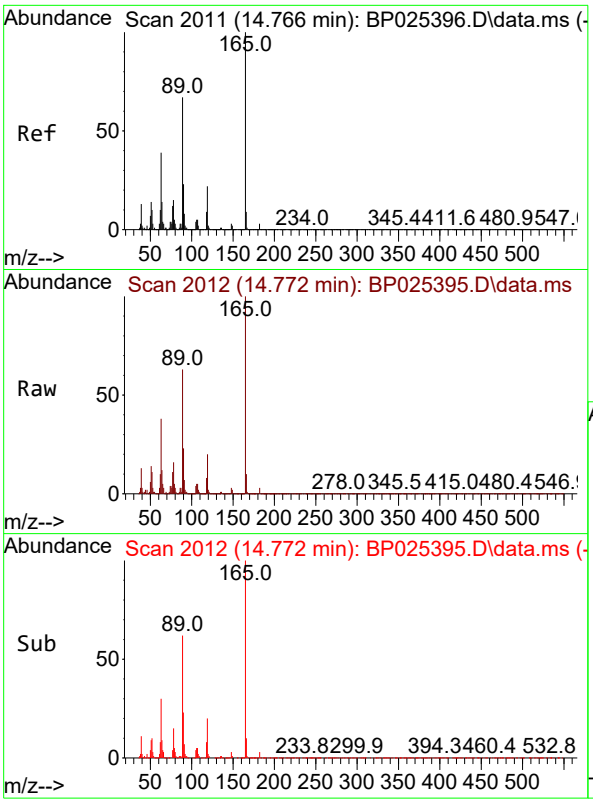


#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 105787

Ion	Ratio	Lower	Upper
139	100		
109	75.0	56.6	96.6
65	89.8	68.2	108.2

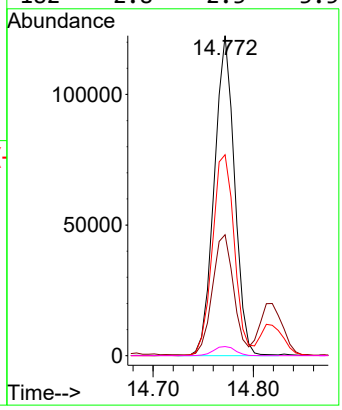




#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:165 Resp: 17202

Ion	Ratio	Lower	Upper
165	100		
63	37.8	31.4	47.2
89	62.8	53.3	79.9
182	2.8	2.3	3.5



Instrument :
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ClientSampleId :
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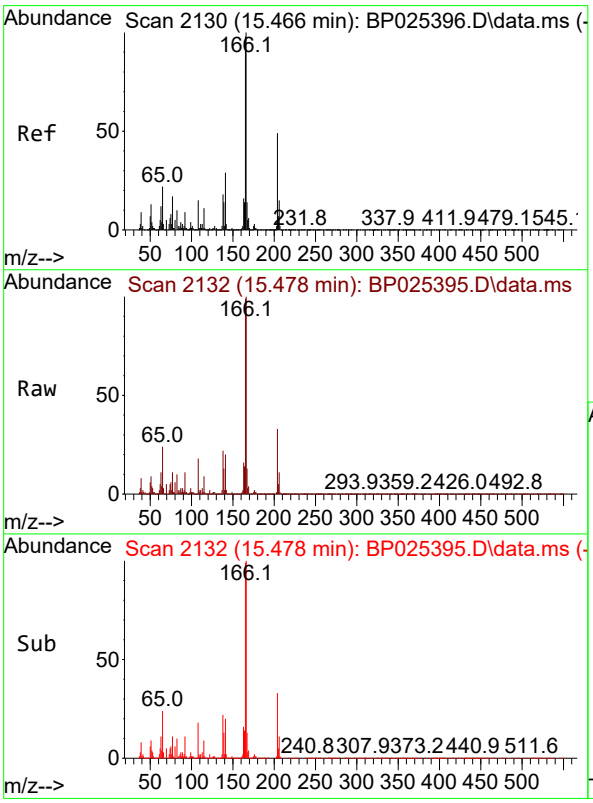
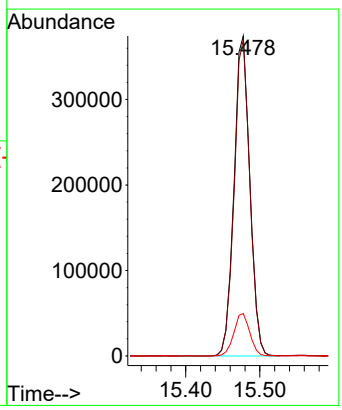
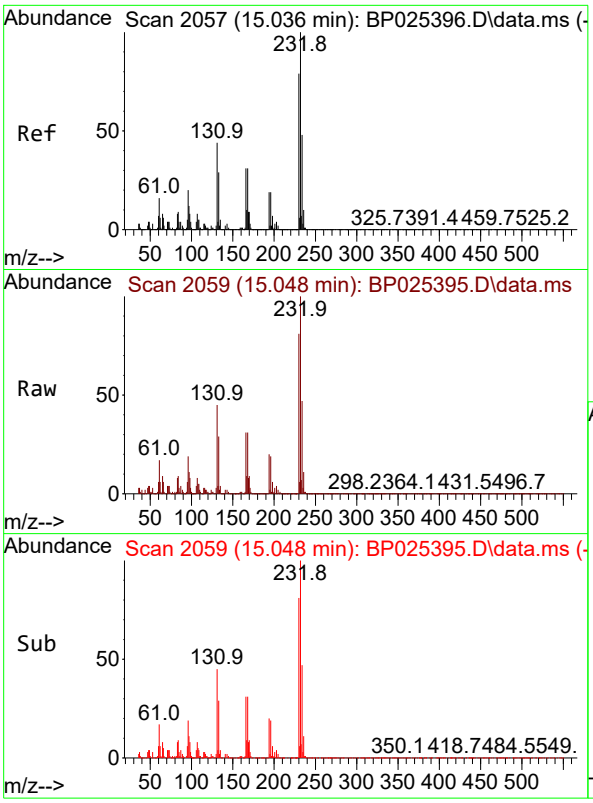


#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.3	11.0	16.4

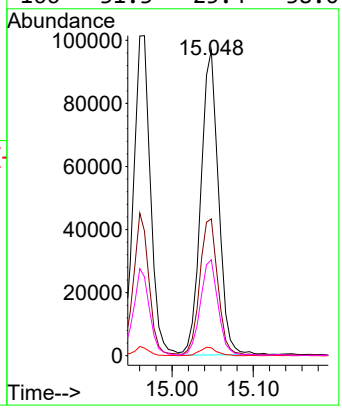




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:232 Resp: 14592

Ion	Ratio	Lower	Upper
232	100		
131	45.5	37.0	55.6
130	2.7	1.9	2.9
166	31.3	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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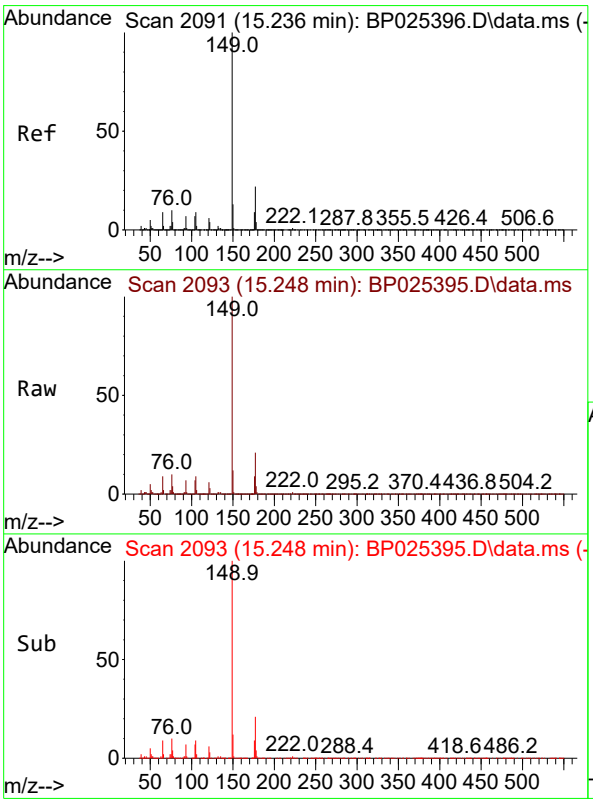
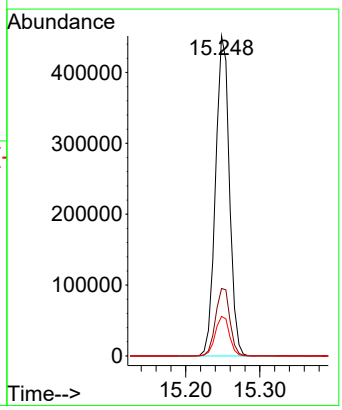
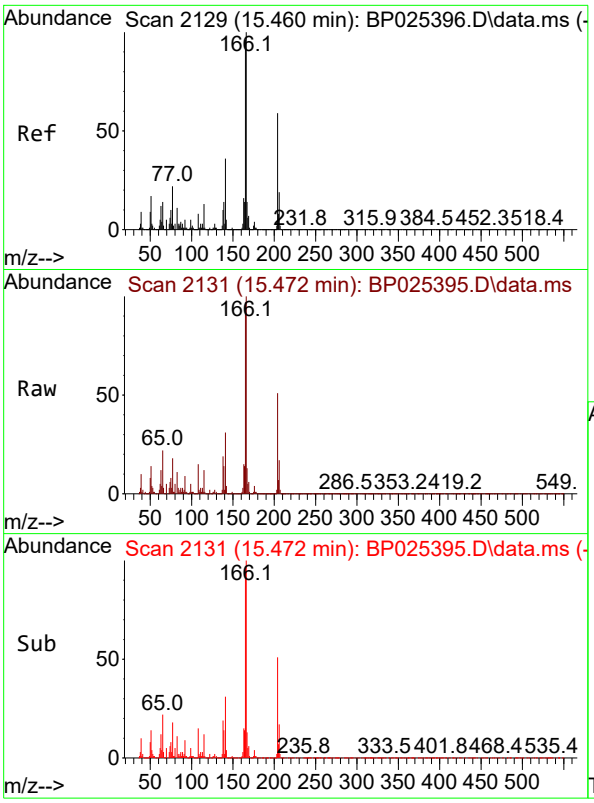


#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 584590

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.3	25.9
150	12.4	10.3	15.5

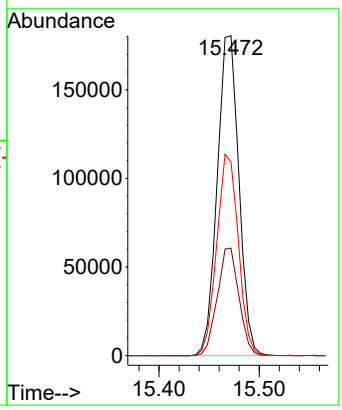




#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:204 Resp: 27094

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	60.5	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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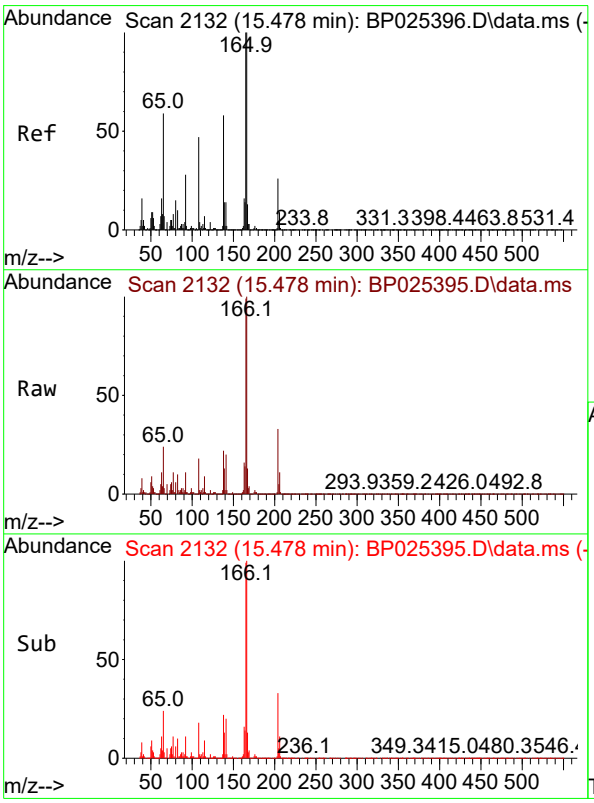
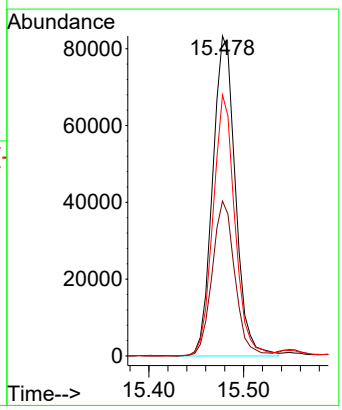
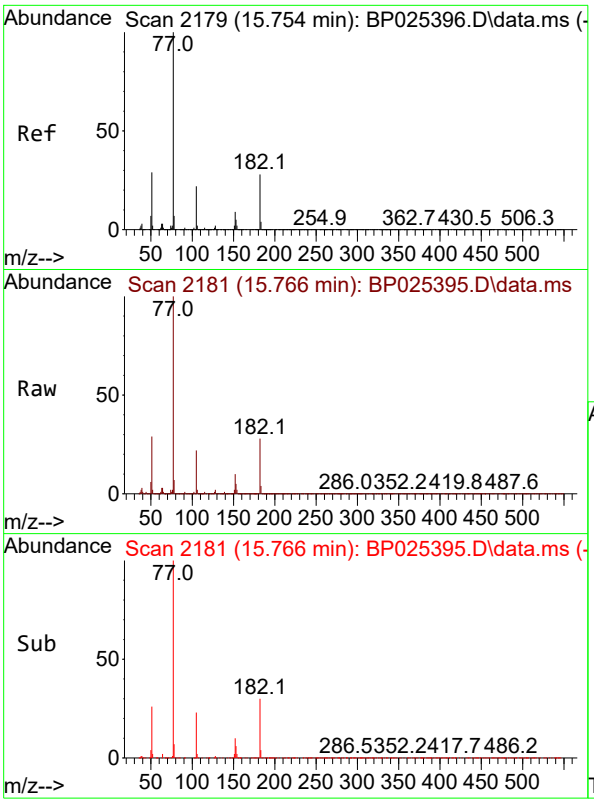


#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 139202

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.1	69.1
108	81.6	61.5	101.5

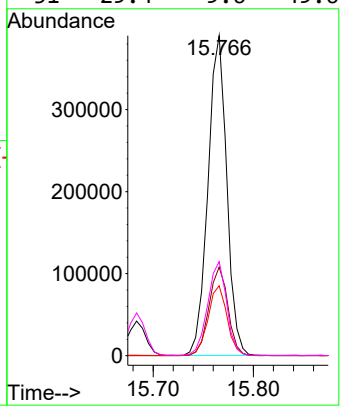




#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 50856

Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.5	47.5
105	21.9	2.1	42.1
51	29.4	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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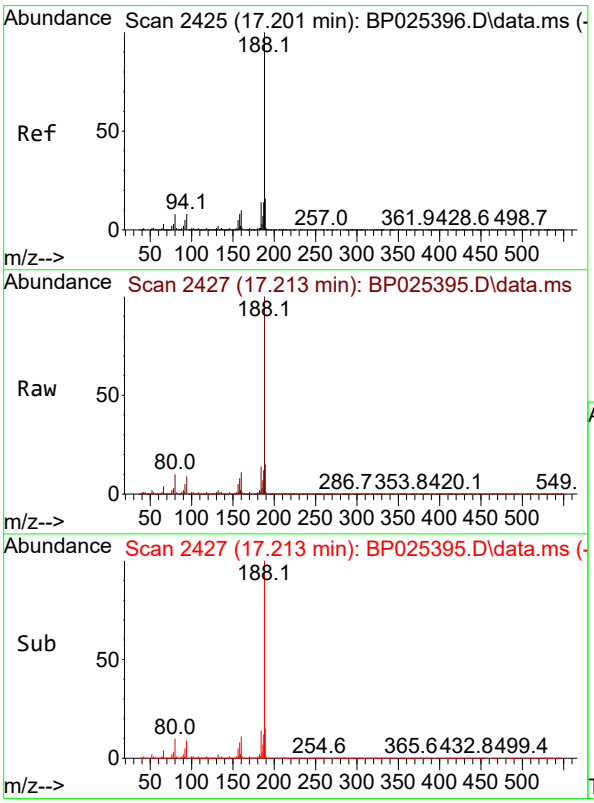
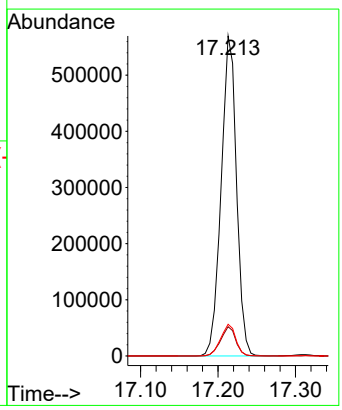
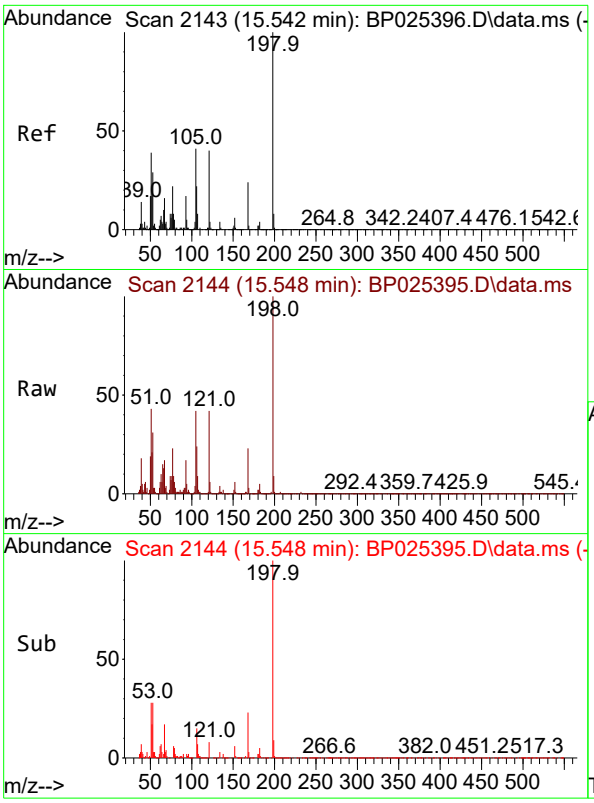


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:188 Resp: 785736

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.9	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:198 Resp: 8899

Ion	Ratio	Lower	Upper
198	100		
51	42.6	19.6	59.6
105	42.2	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
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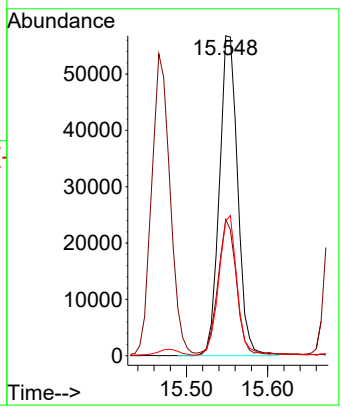
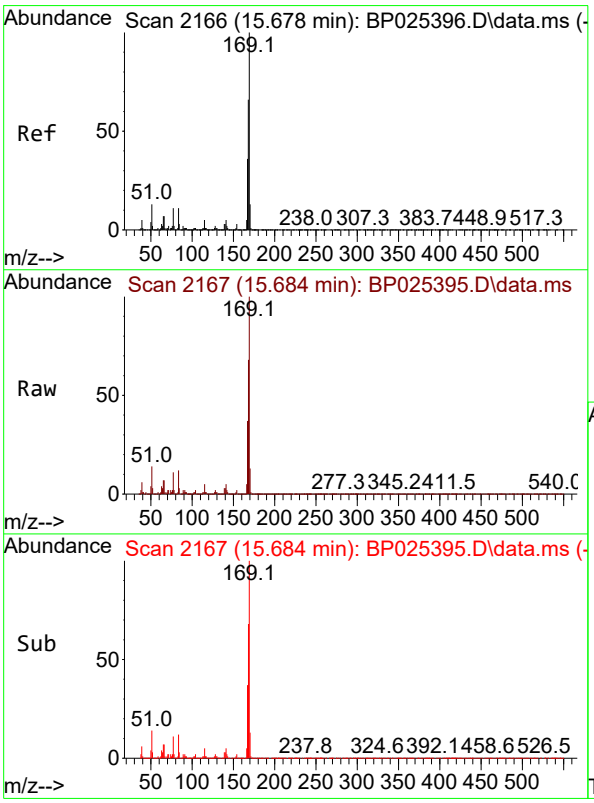
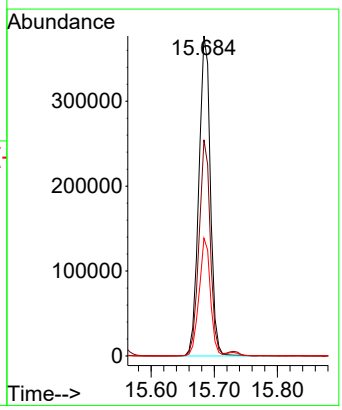


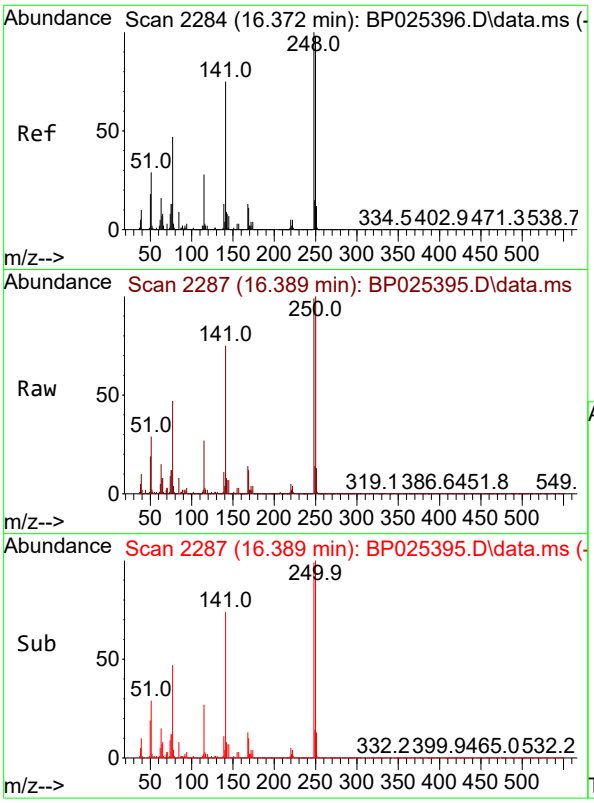


#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:169 Resp: 477080

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.2	79.8
167	36.8	28.7	43.1

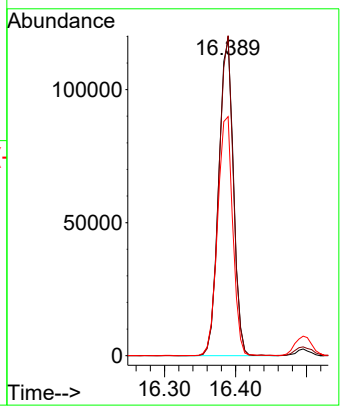




#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:248 Resp: 17073

Ion	Ratio	Lower	Upper
248	100		
250	101.4	78.2	117.2
141	75.7	59.6	89.4



Instrument :
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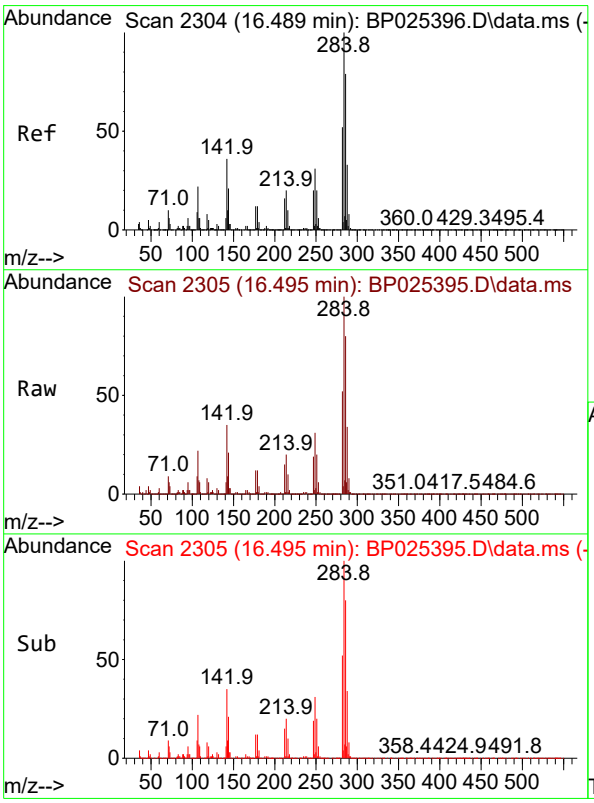
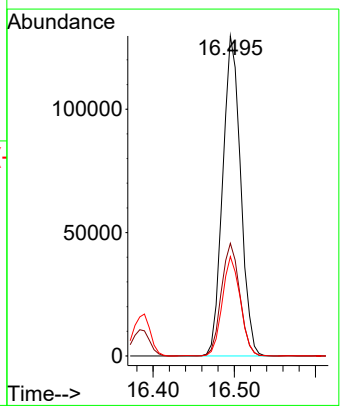
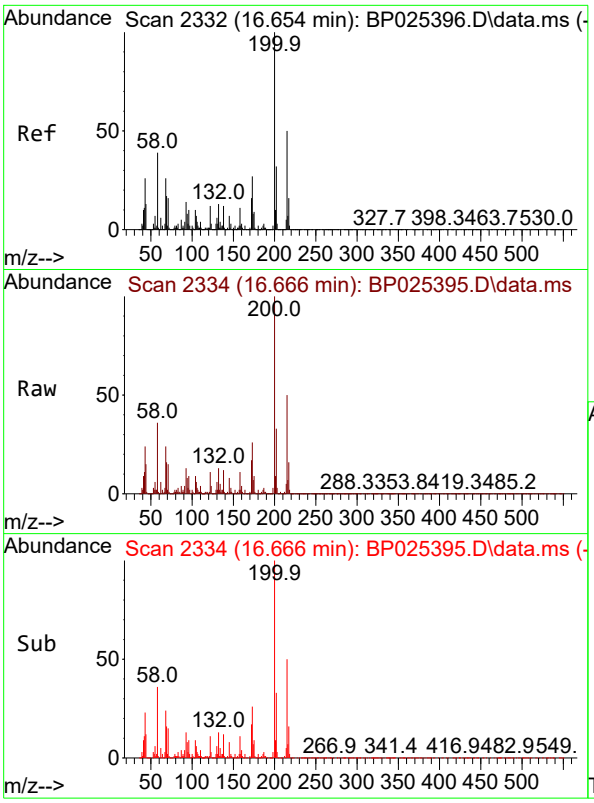


#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:284 Resp: 199410

Ion	Ratio	Lower	Upper
284	100		
142	35.2	29.1	43.7
249	31.0	25.0	37.4

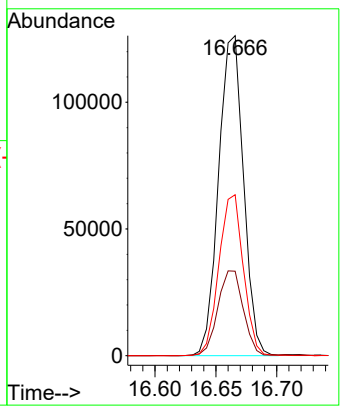




#69
Atrazine
Concen: 20.006 ng
RT: 16.666 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:200 Resp: 17951

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	50.3	29.7	69.7



Instrument :
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ClientSampleId :
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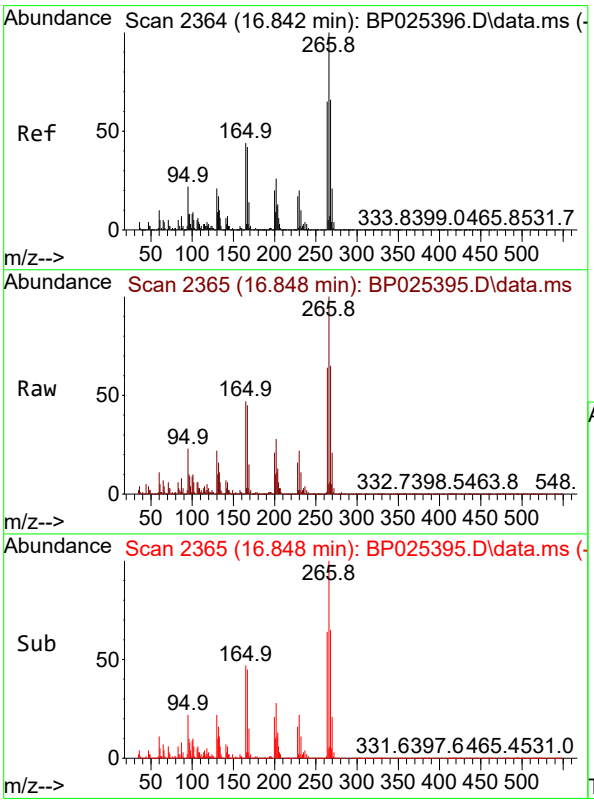
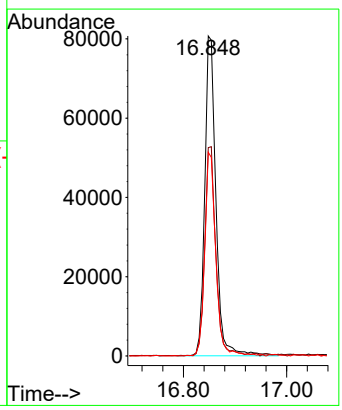
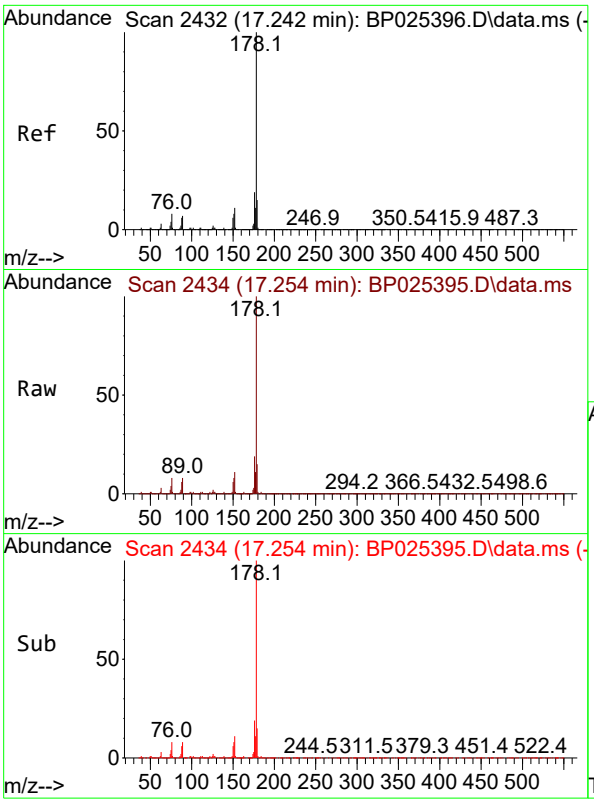


#70
Pentachlorophenol
Concen: 19.128 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:266 Resp: 120958

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	63.6	52.0	78.0

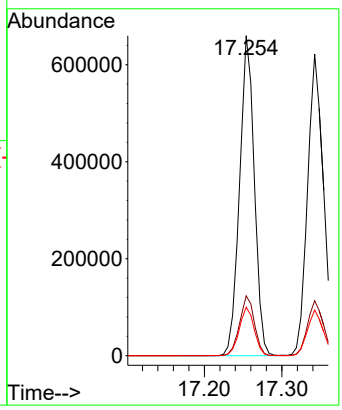




#71
Phenanthrene
Concen: 20.223 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 87289

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.2	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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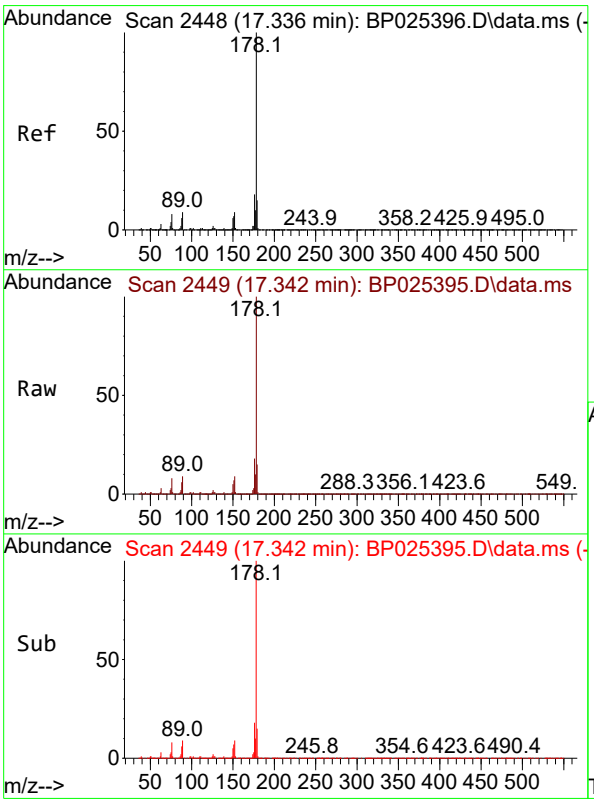
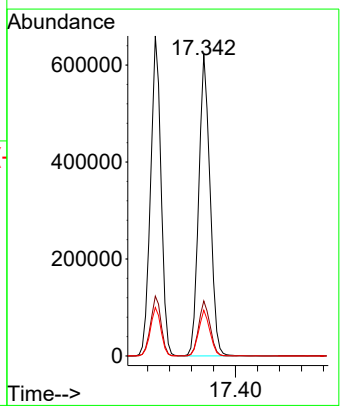
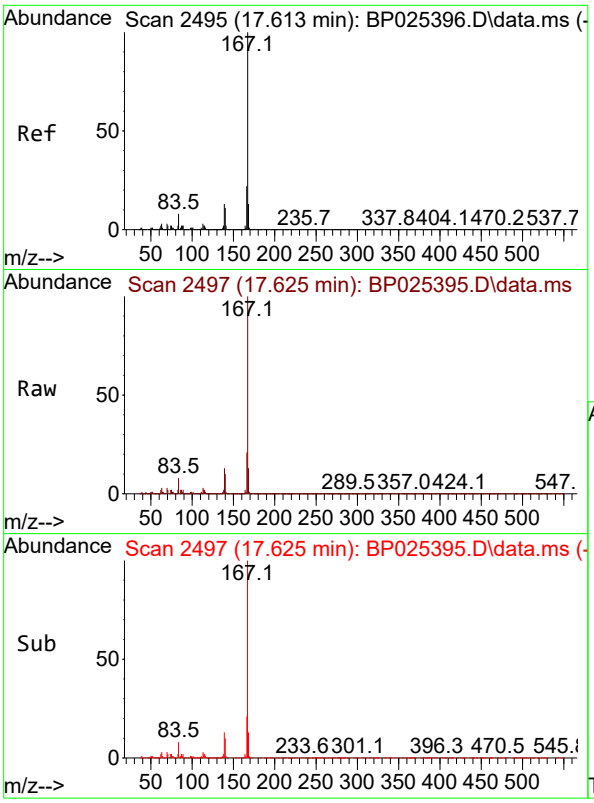


#72
Anthracene
Concen: 20.198 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 890292

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.2	18.2

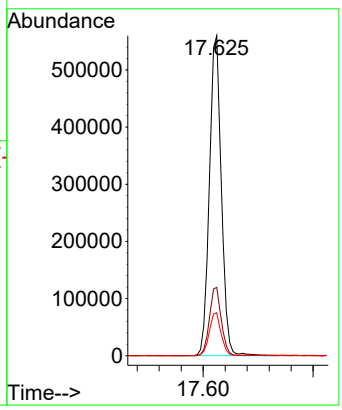




#73
Carbazole
Concen: 20.328 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:167 Resp: 84397

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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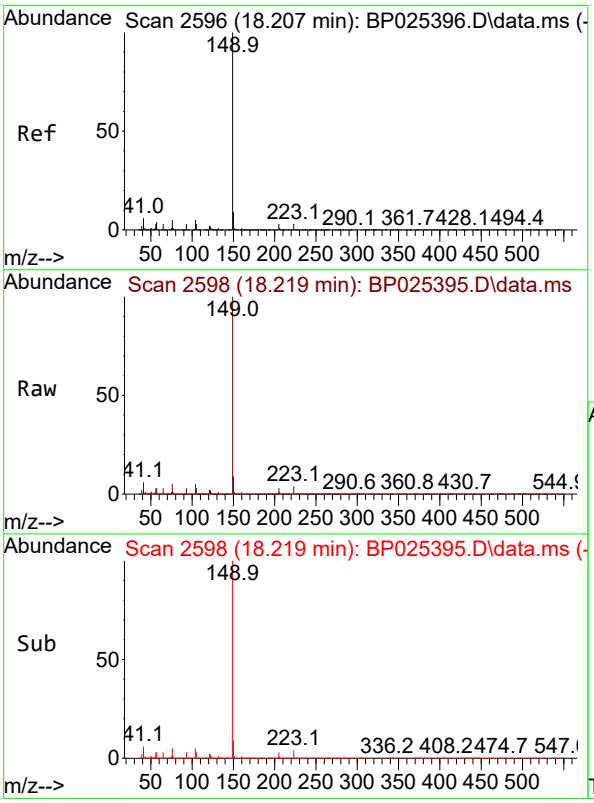
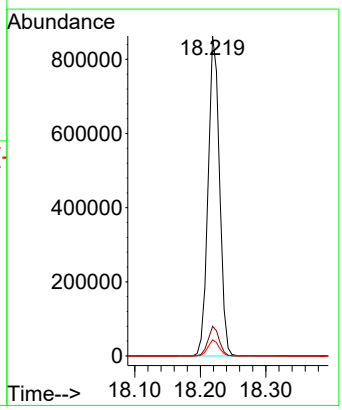
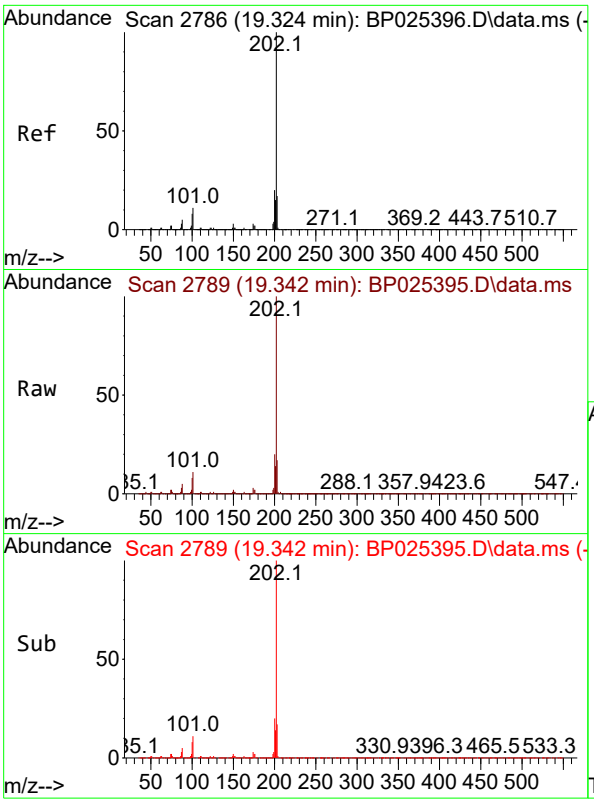


#74
Di-n-butylphthalate
Concen: 20.491 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 1046709

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.2	6.2

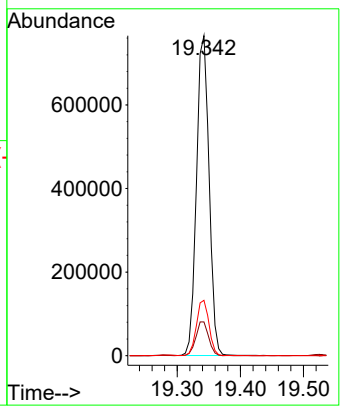




#75
Fluoranthene
Concen: 20.567 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 105891

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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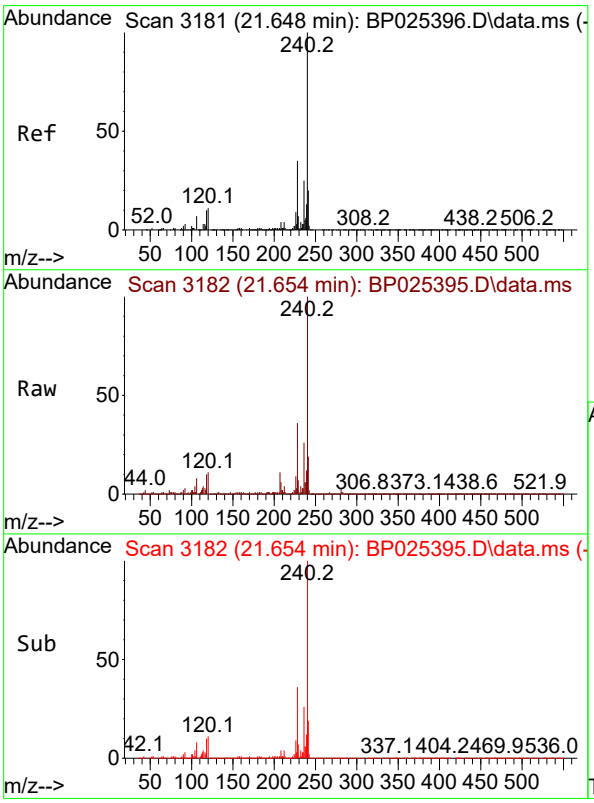
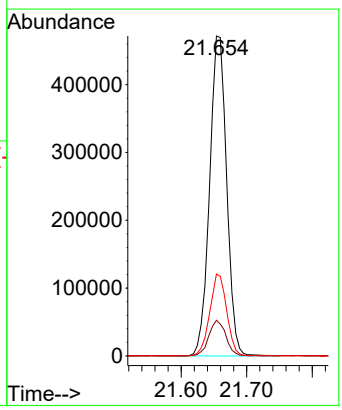
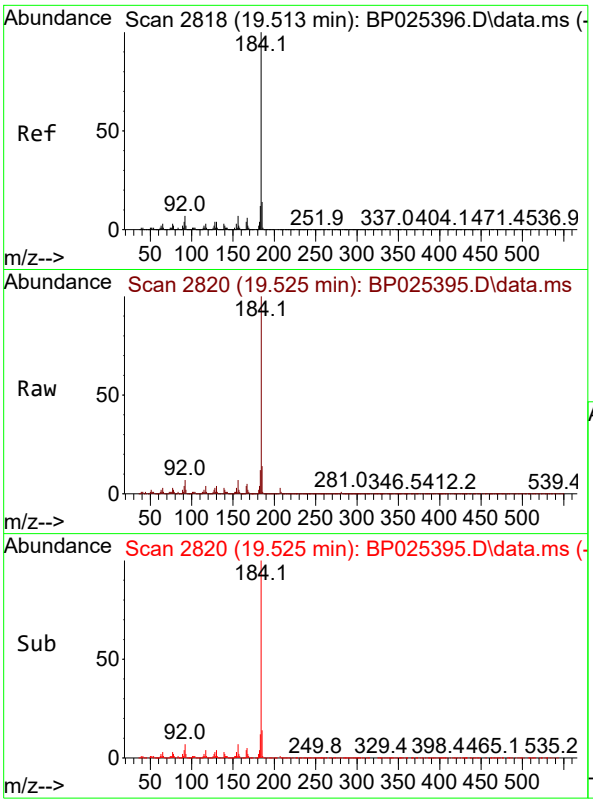


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:240 Resp: 852065

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.6	19.8	29.8

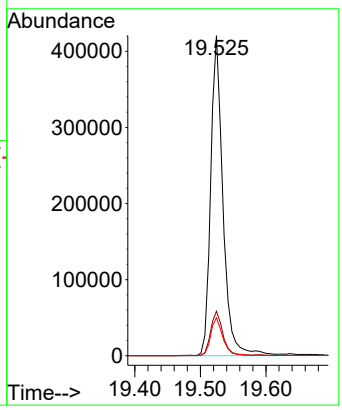




#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 54664

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2



Instrument :
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ClientSampleId :
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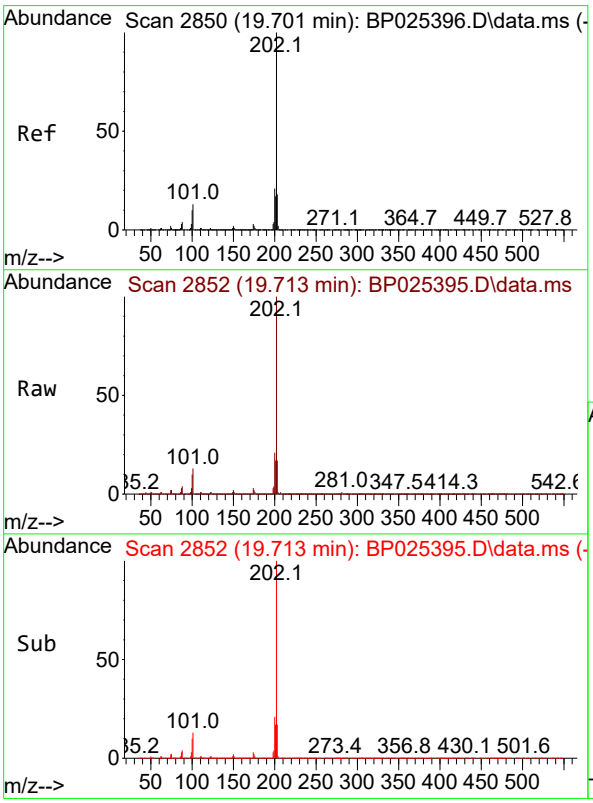
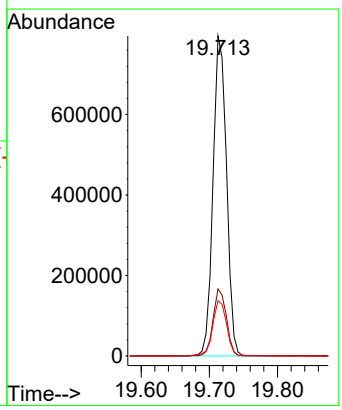
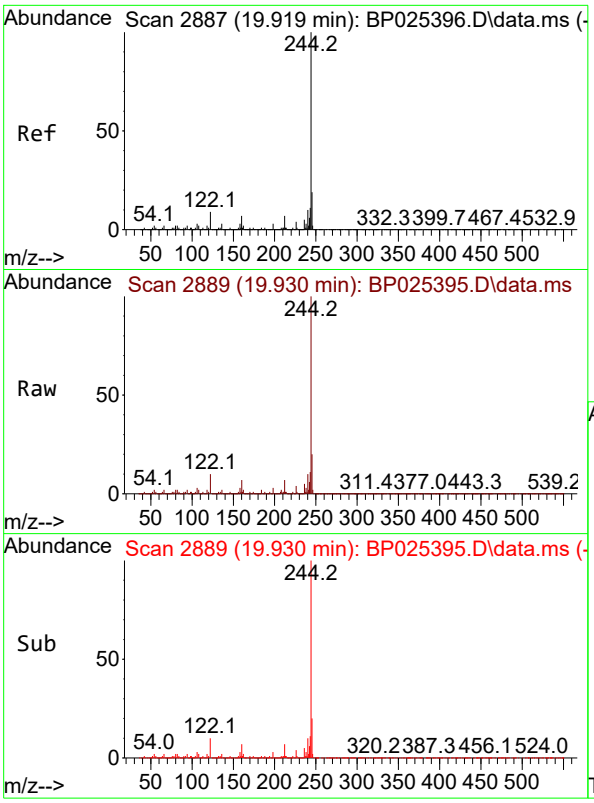


#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2

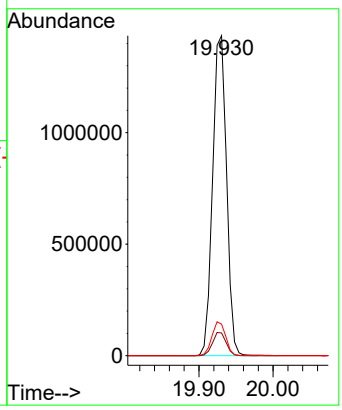




#79
Terphenyl-d14
Concen: 40.152 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:244 Resp: 186995

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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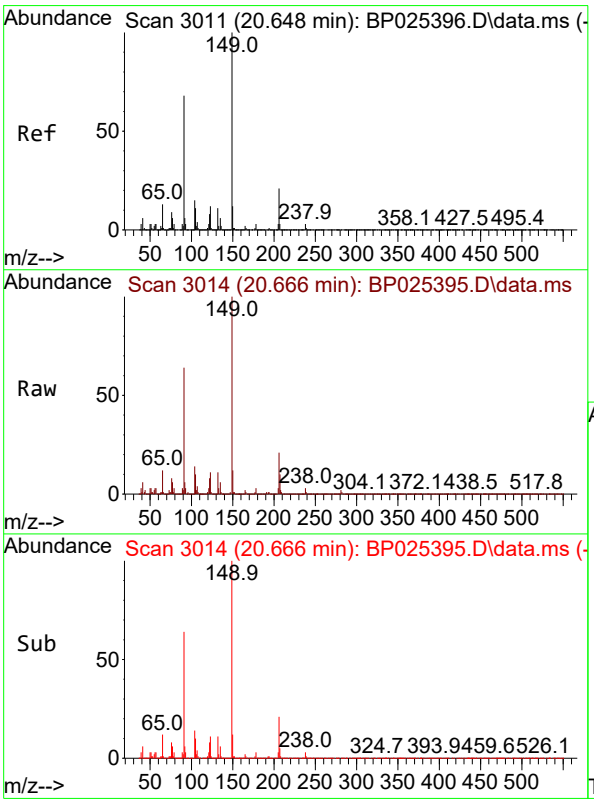
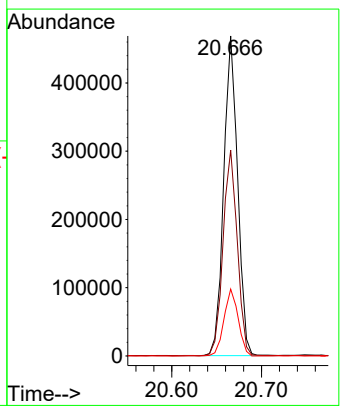
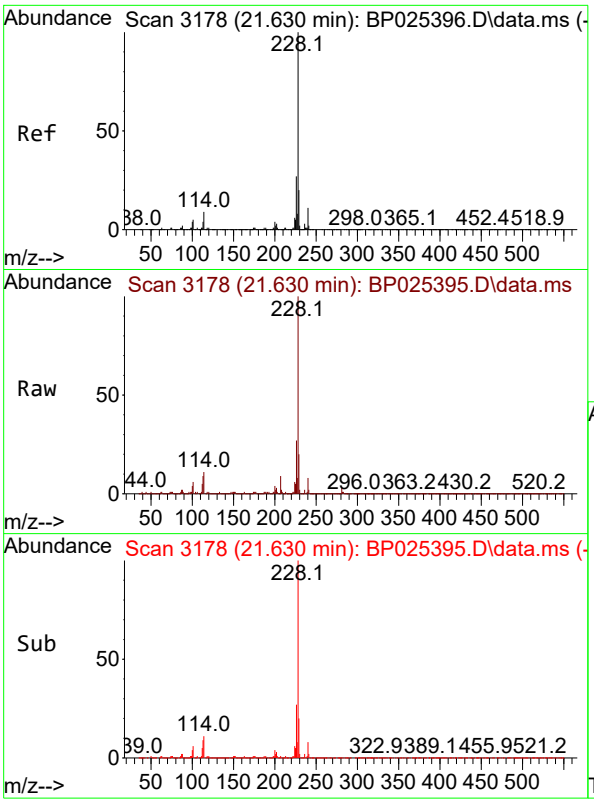


#80
Butylbenzylphthalate
Concen: 20.081 ng
RT: 20.666 min Scan# 3014
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 504019

Ion	Ratio	Lower	Upper
149	100		
91	64.4	54.2	81.2
206	20.9	16.6	24.8

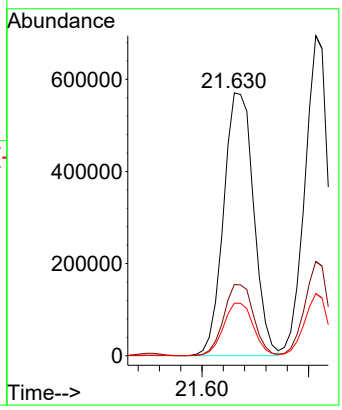




#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:228 Resp: 111859

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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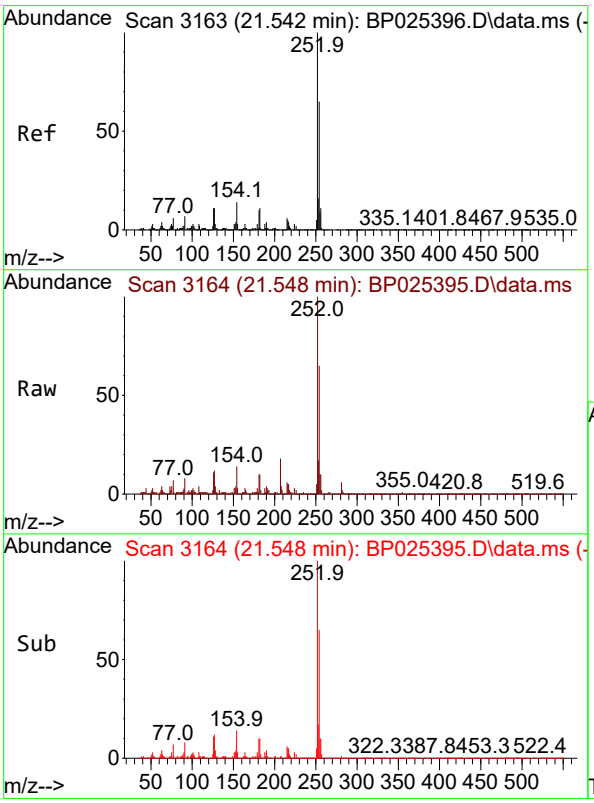
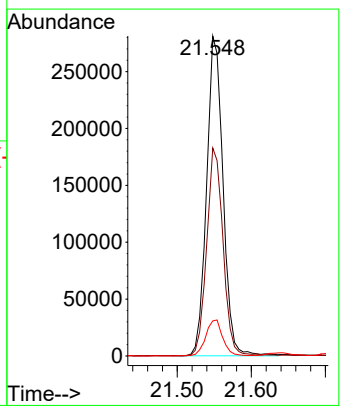
Supervised By :Jagrut Upadhyay 08/15/2025

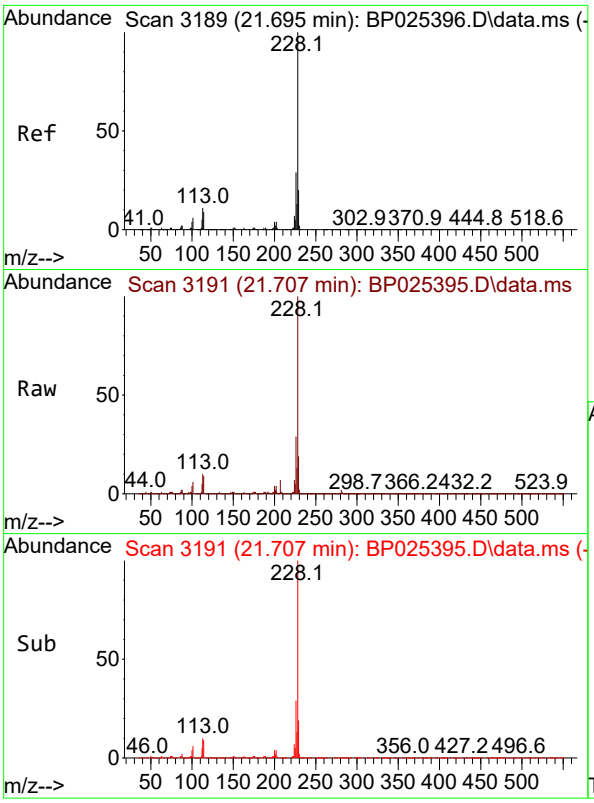


#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 432075

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	10.9	9.1	13.7

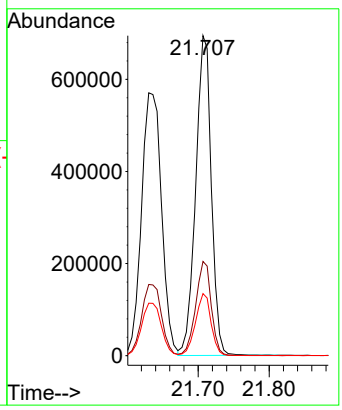




#83
Chrysene
Concen: 20.216 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:228 Resp: 106389

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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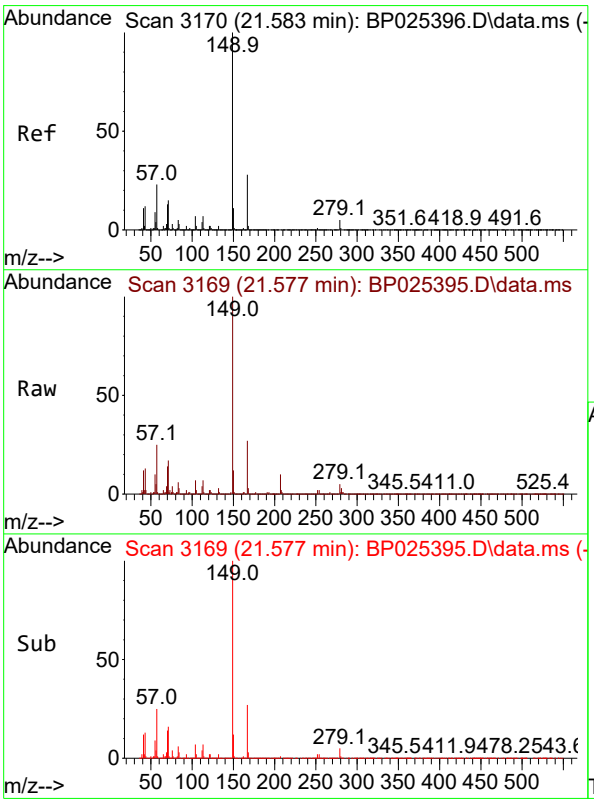
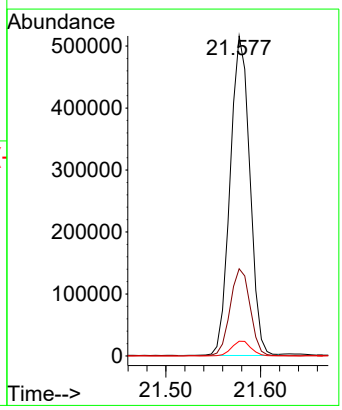
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

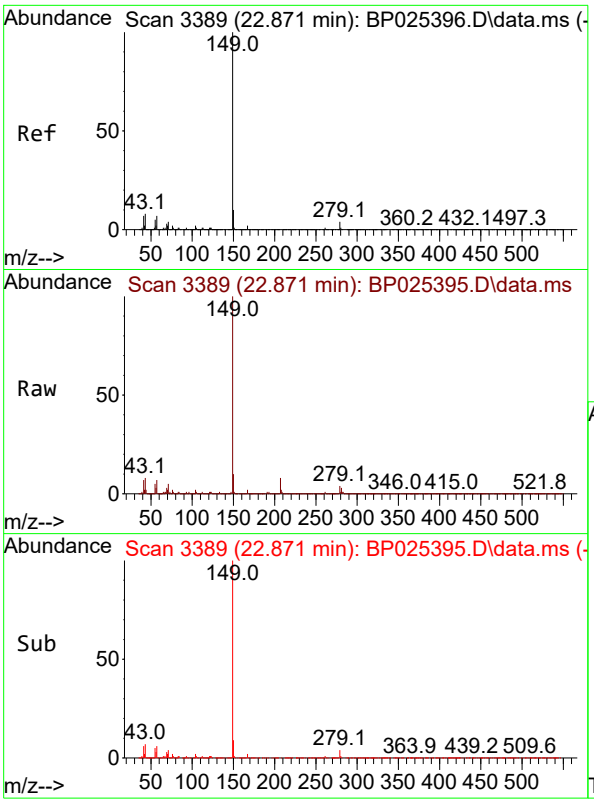


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.155 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 744704

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.6	3.8	5.6

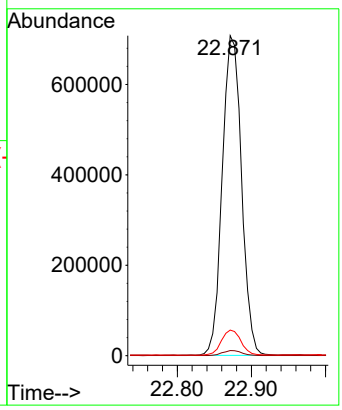




#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 127679

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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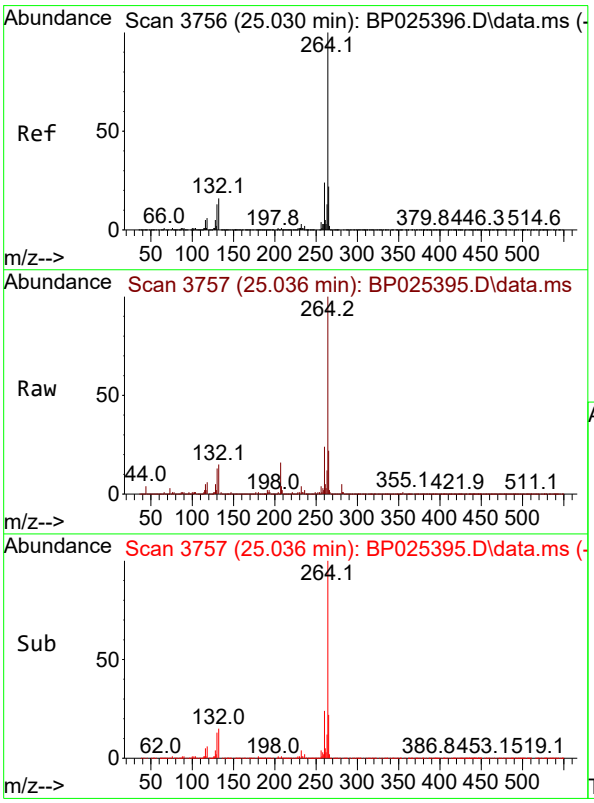
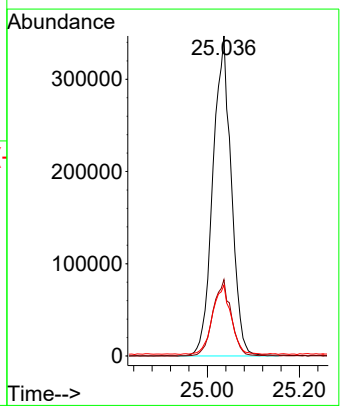
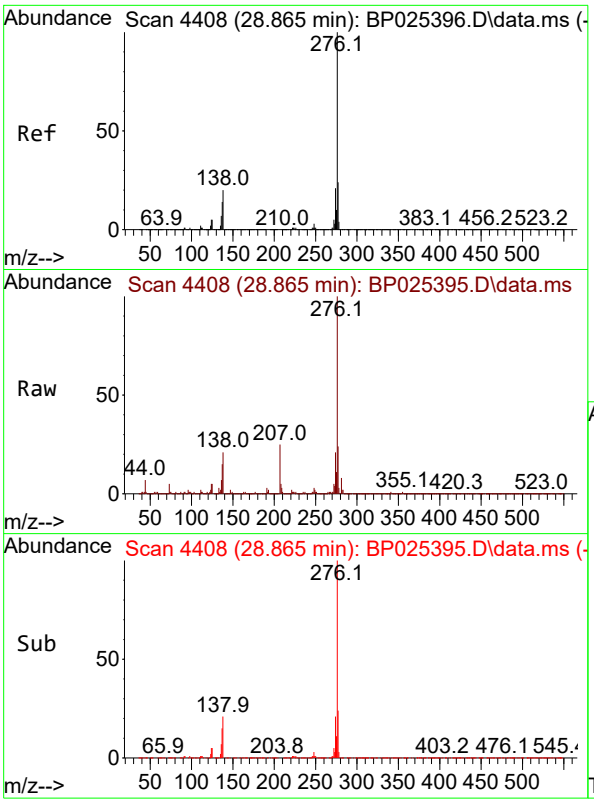


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:264 Resp: 958651

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.2	17.4	26.0

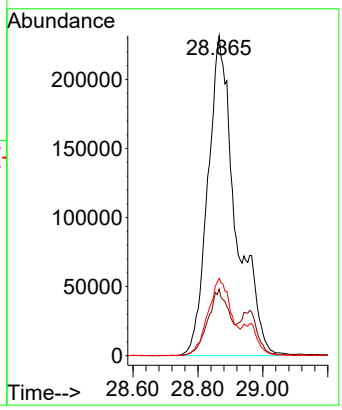




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.627 ng m
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:276 Resp: 138033

Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.9	19.3
277	20.1	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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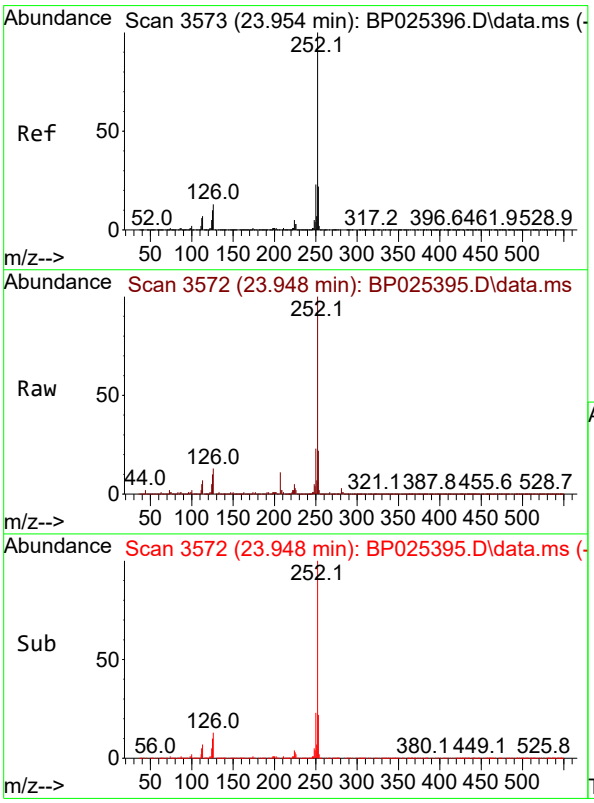
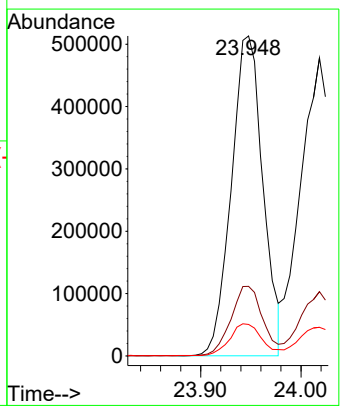
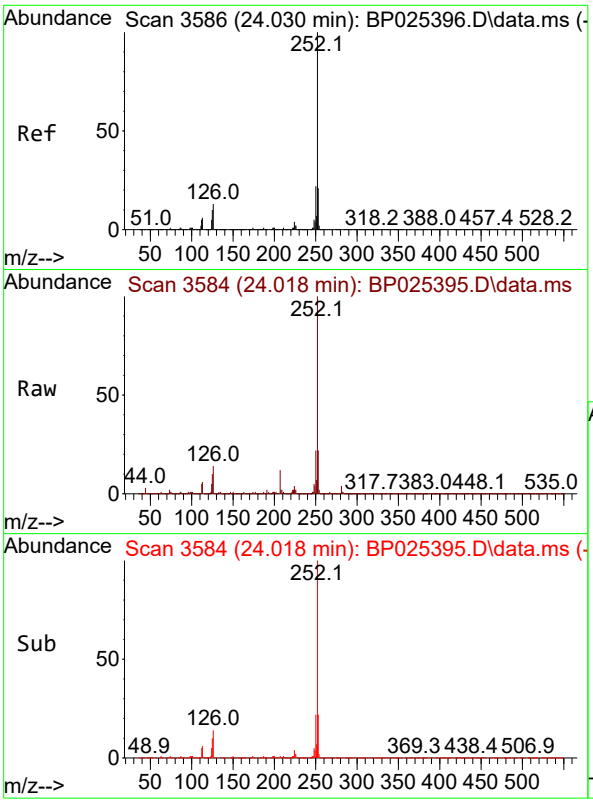


#88
Benzo(b)fluoranthene
Concen: 19.855 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1122408

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.9	7.9	11.9

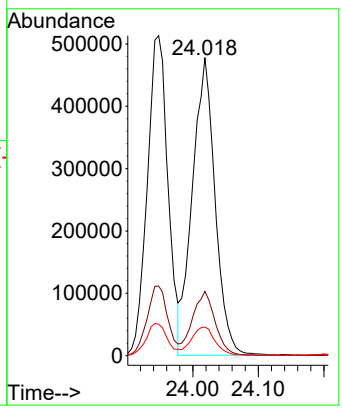




#89
Benzo(k)fluoranthene
Concen: 20.336 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 115036

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.6	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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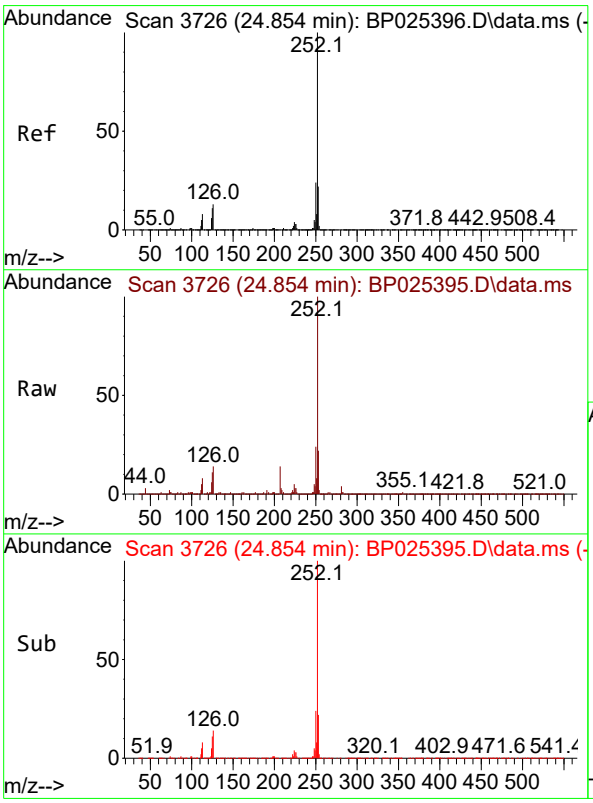
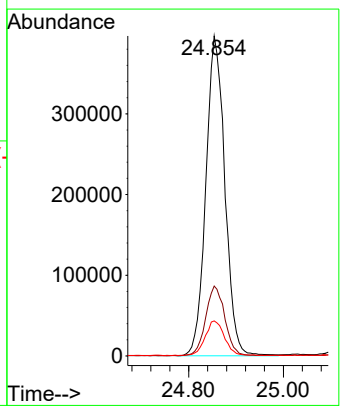
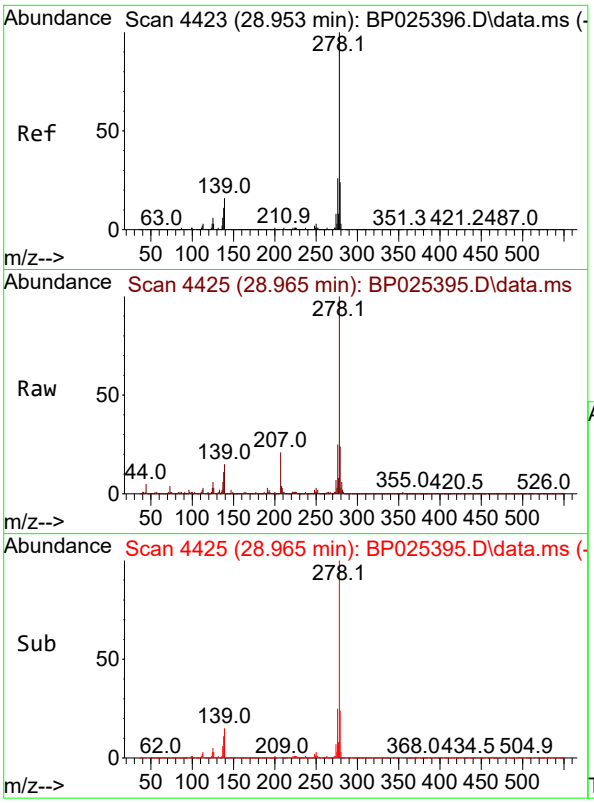


#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1102804

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1

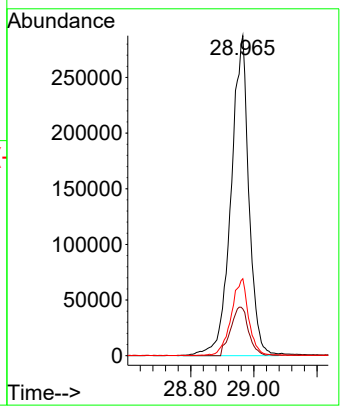




#91
Dibenzo(a,h)anthracene
Concen: 19.672 ng
RT: 28.965 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:278 Resp: 113020

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.0	19.4
279	24.1	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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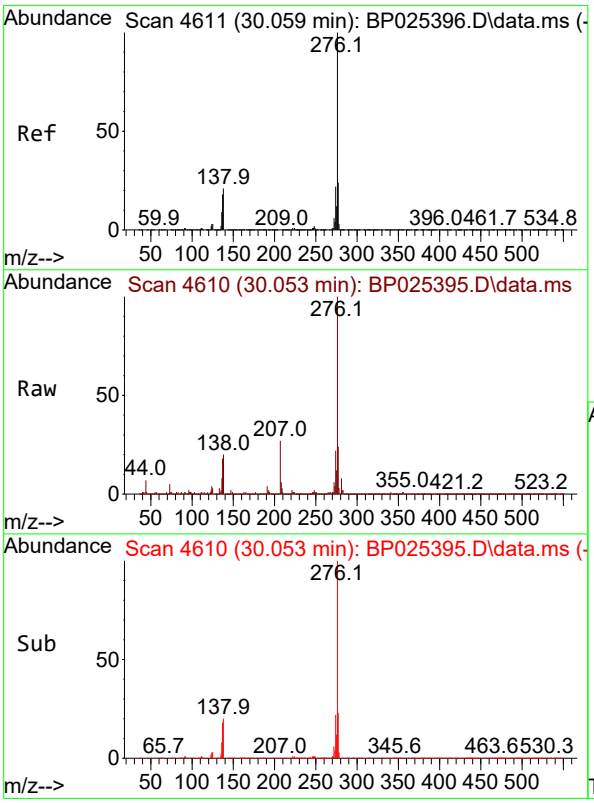
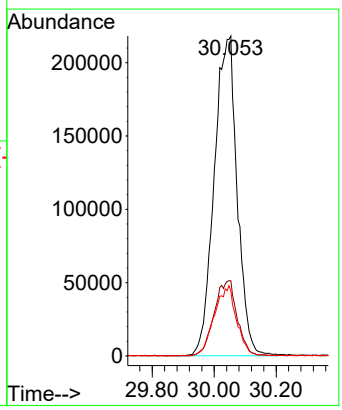


#92
Benzo(g,h,i)perylene
Concen: 19.840 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:276 Resp: 1120307

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2884713m	38.470	ng	
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

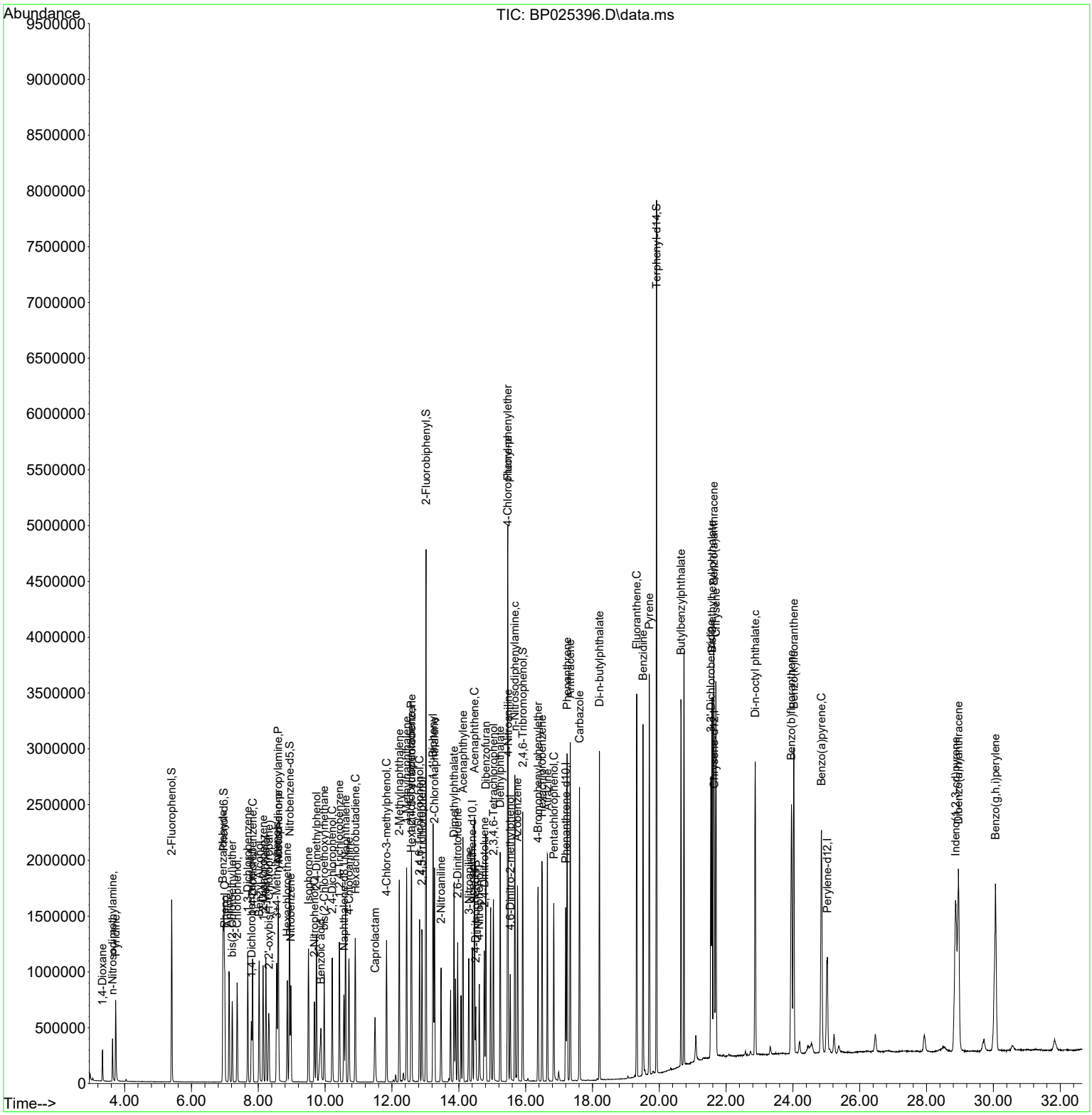
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

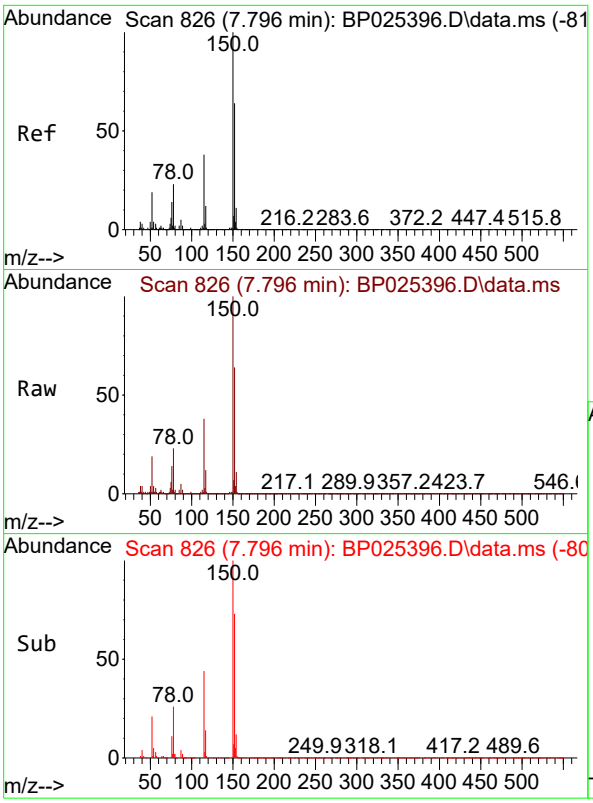
Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

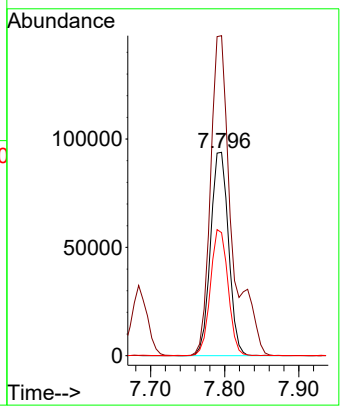




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:152 Resp: 15770

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	60.6	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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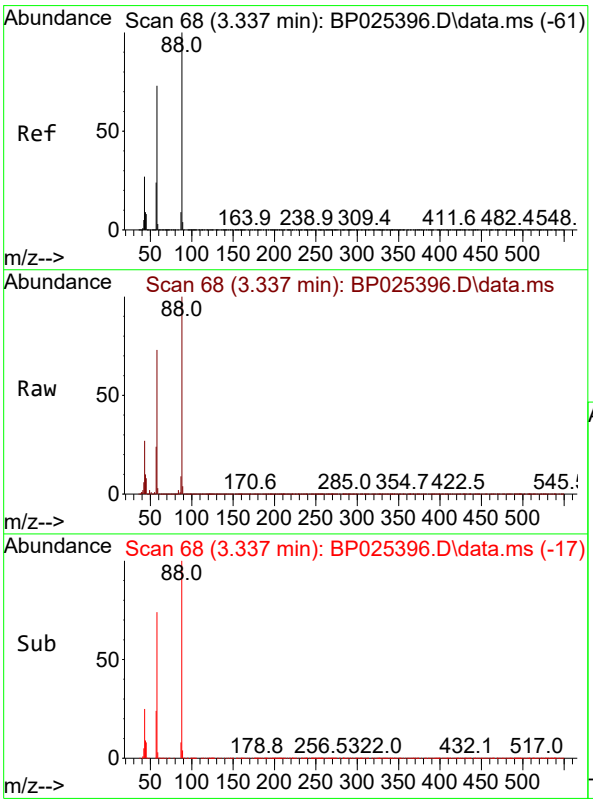
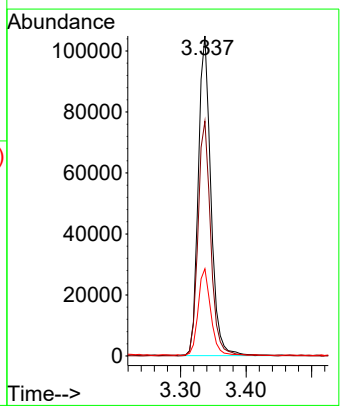
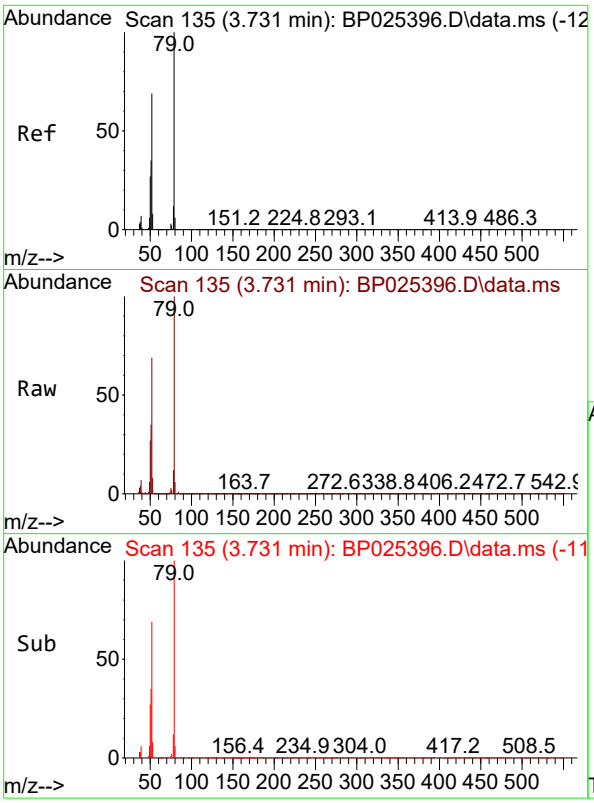


#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	27.1	21.7	32.5

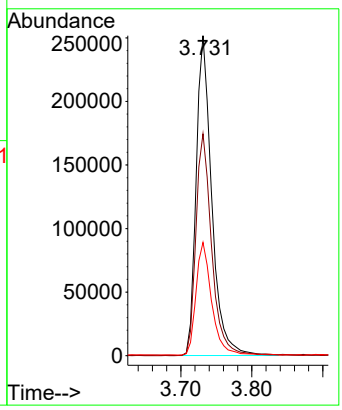




#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 79 Resp: 38493

Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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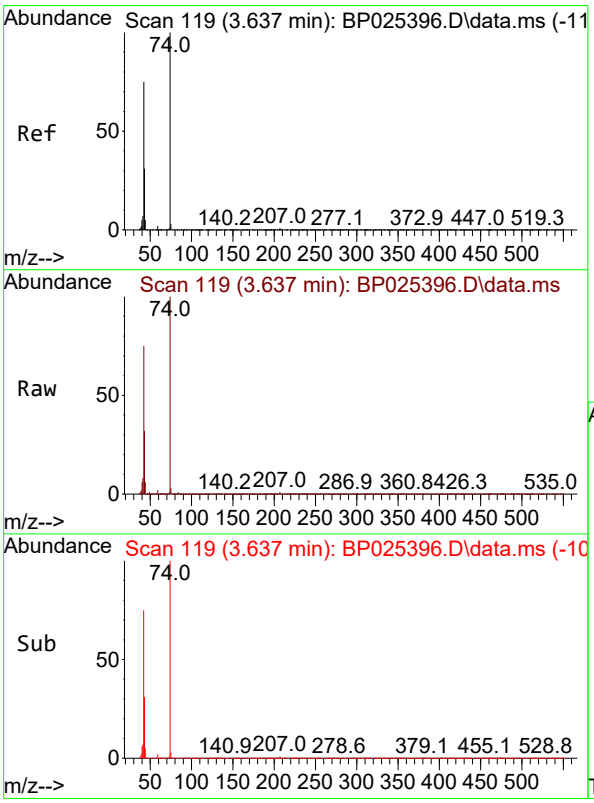
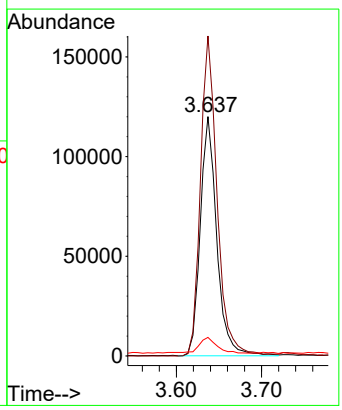
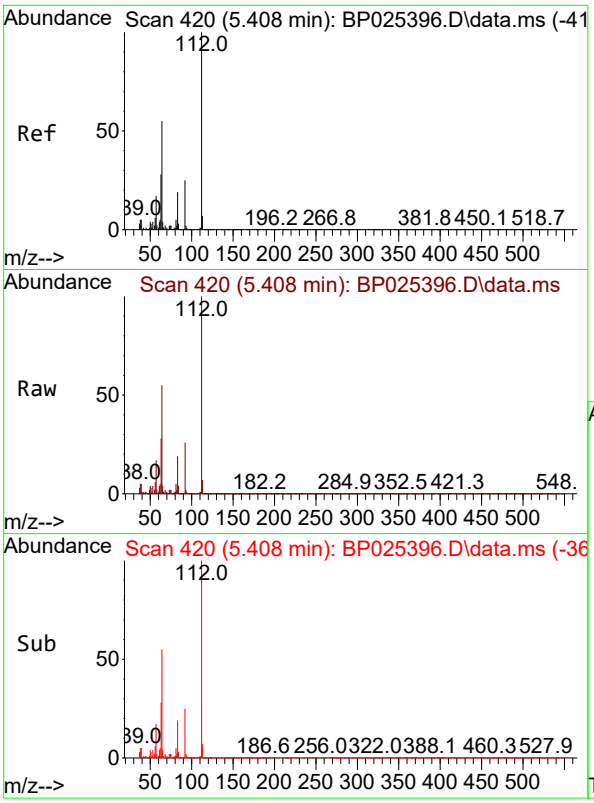


#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 42 Resp: 161267

Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4

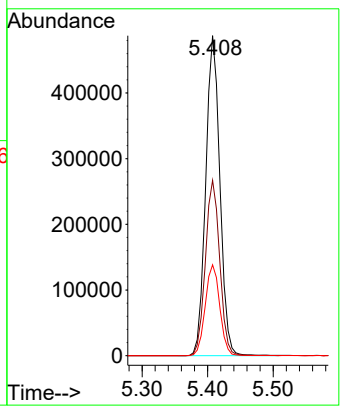




#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:112 Resp: 73319

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.8
63	28.4	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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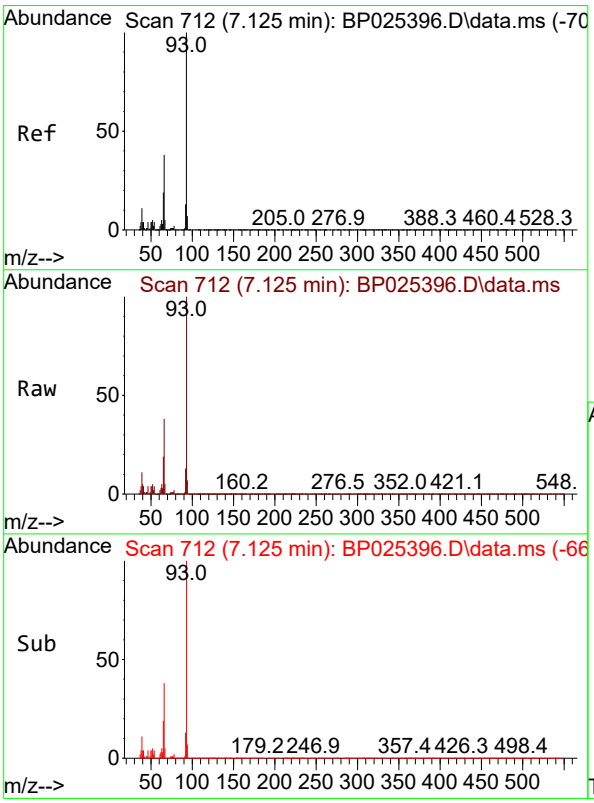
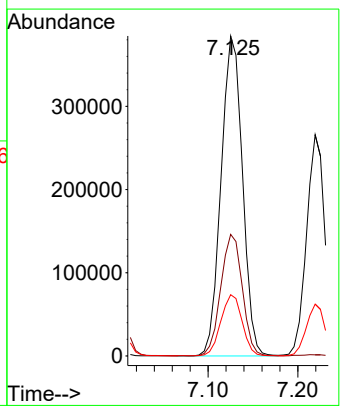
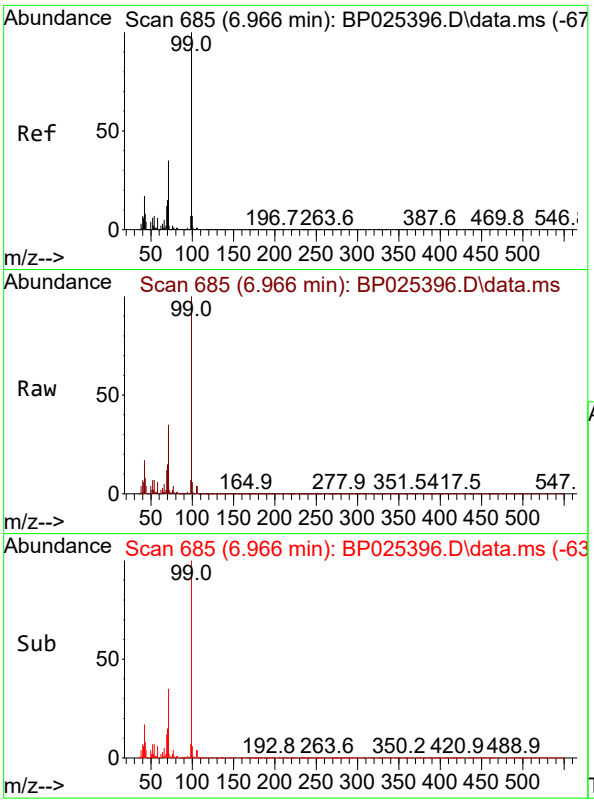


#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9

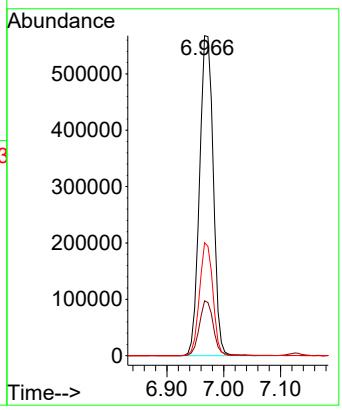




#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 99 Resp: 95428

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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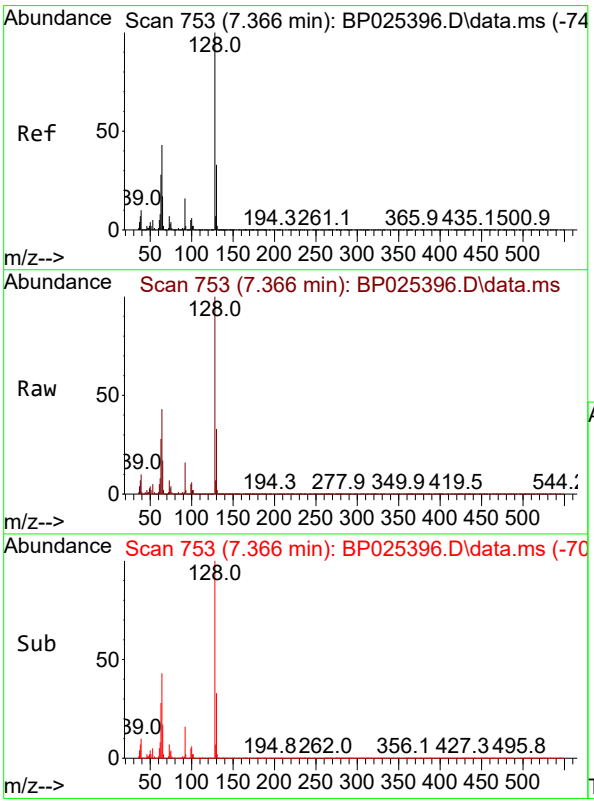
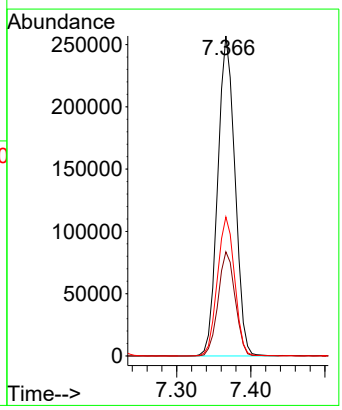
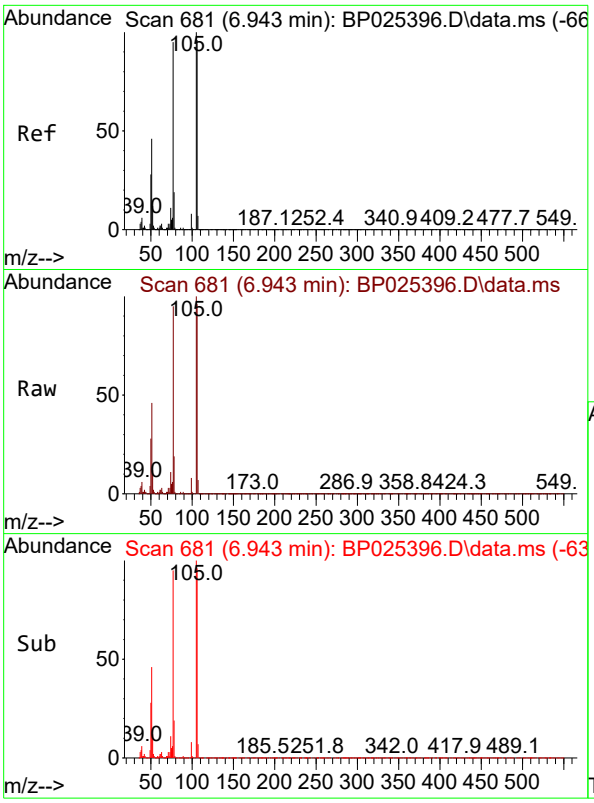


#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 414233

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	43.4	23.4	63.4

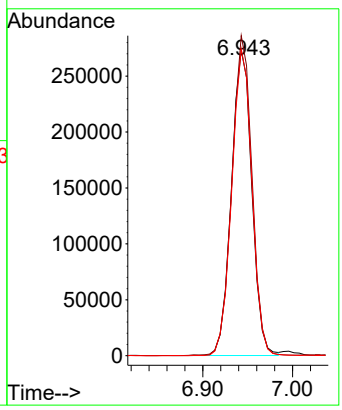




#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 43070

Ion	Ratio	Lower	Upper
77	100		
105	104.8	84.8	124.8
106	100.5	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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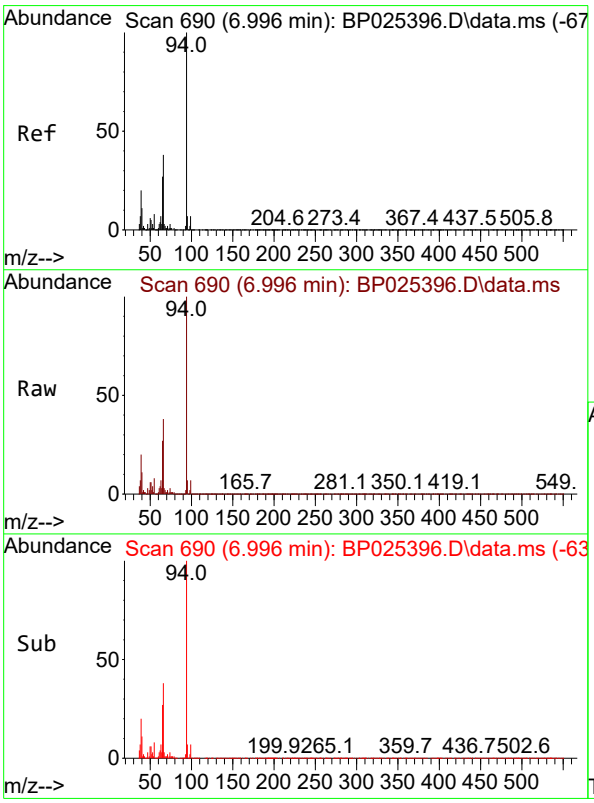
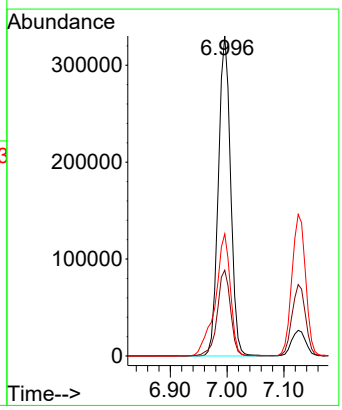
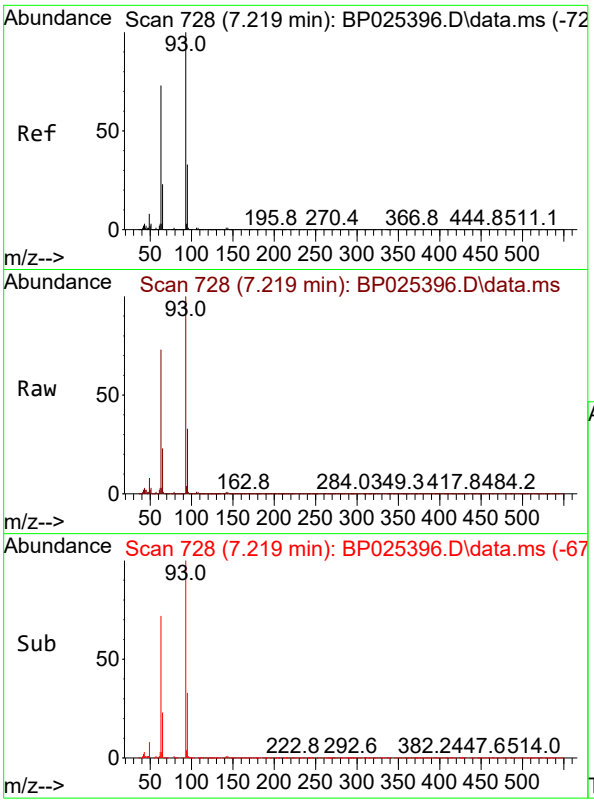


#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.8	46.8
66	38.2	18.2	58.2

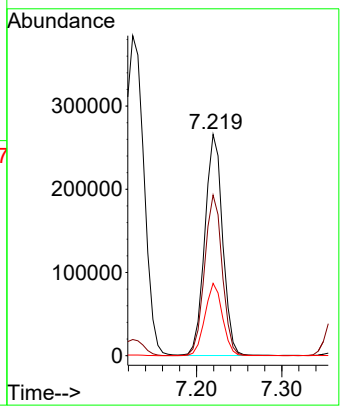




#11
bis(2-Chloroethyl)ether
Concen: 38.698 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 38533

Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.6	92.6
95	32.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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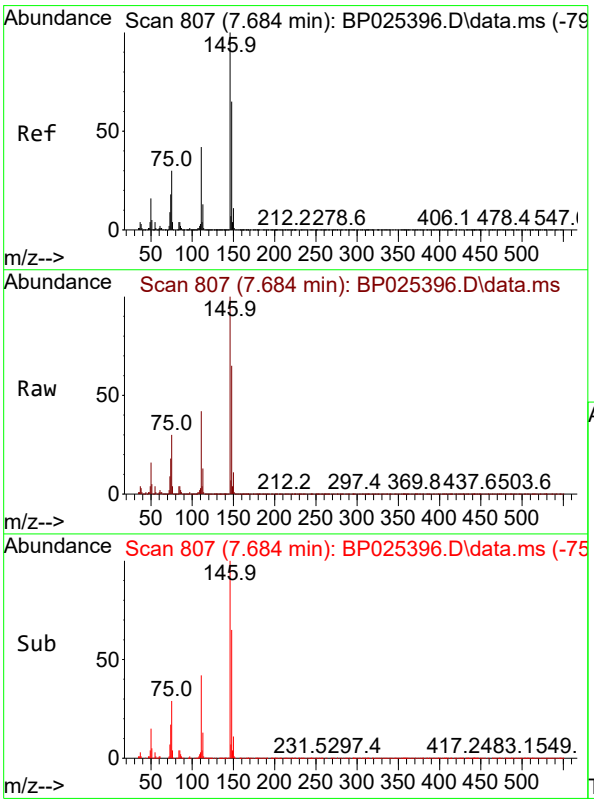
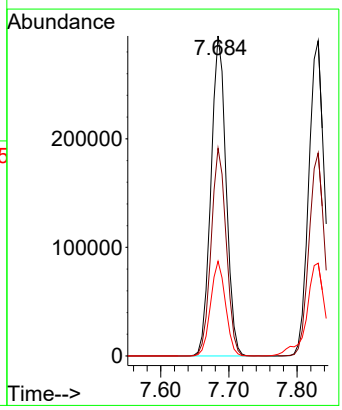
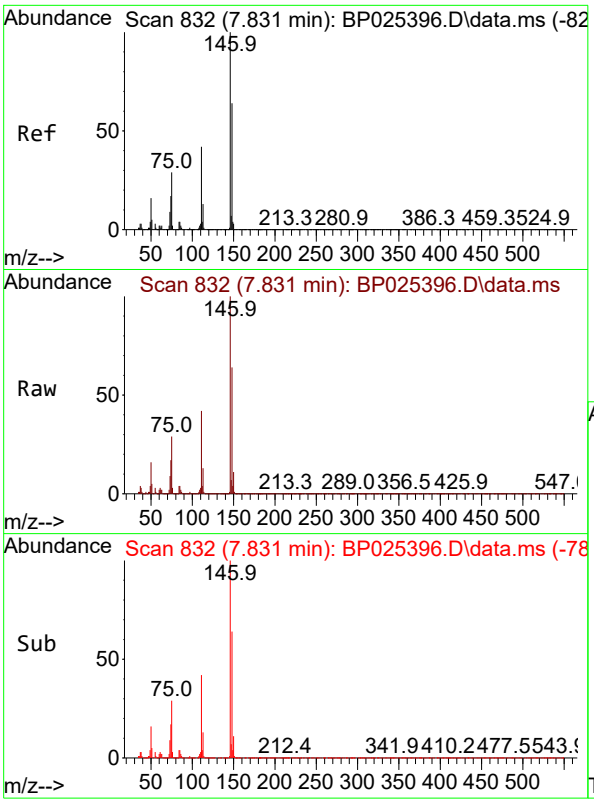


#12
1,3-Dichlorobenzene
Concen: 38.523 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 455200

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.6	23.7	35.5

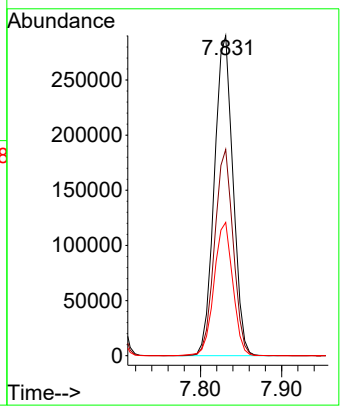




#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 46280

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	41.7	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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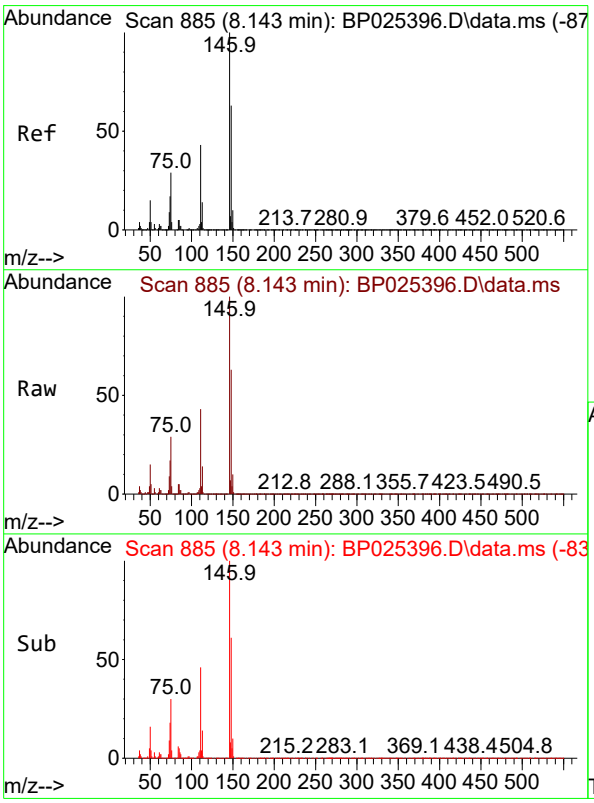
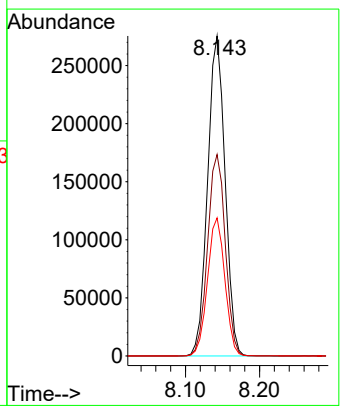
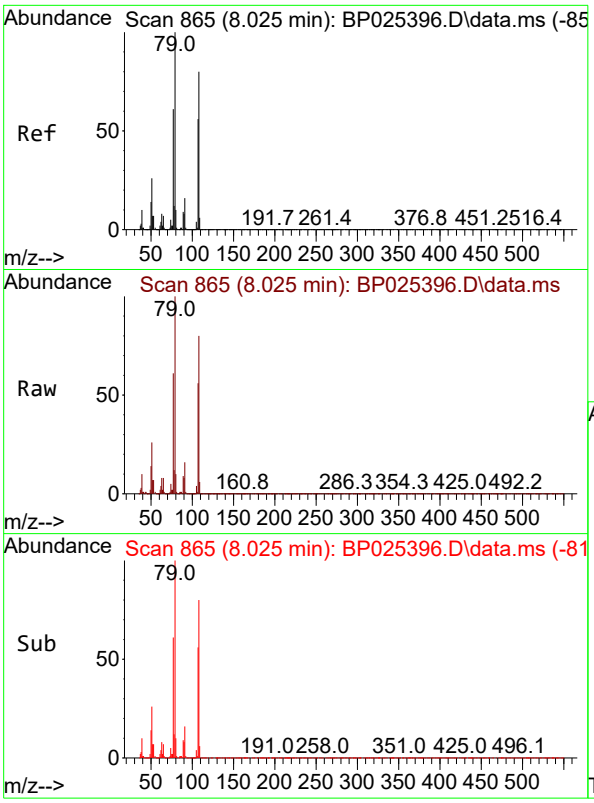


#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 79 Resp: 37632

Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.8	95.6
77	61.2	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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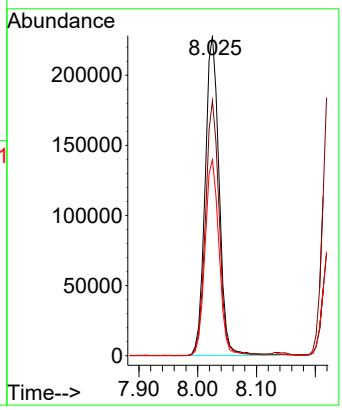
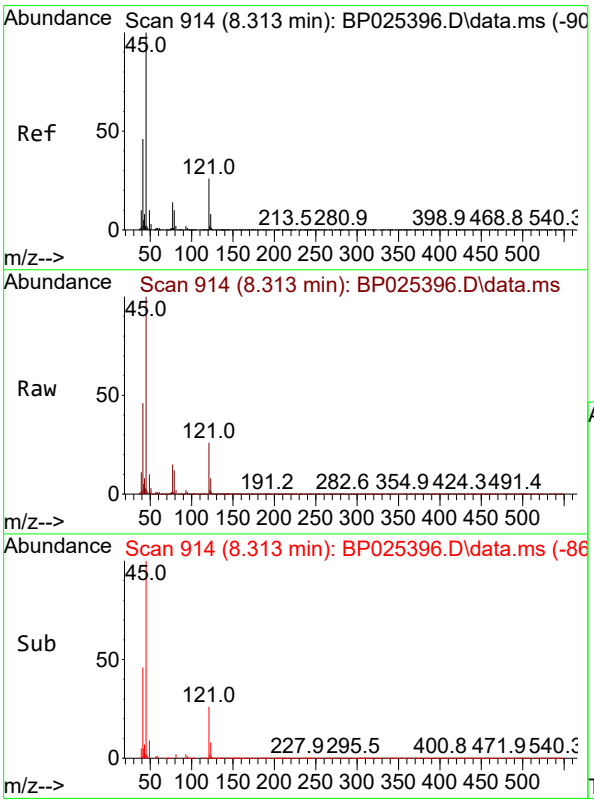
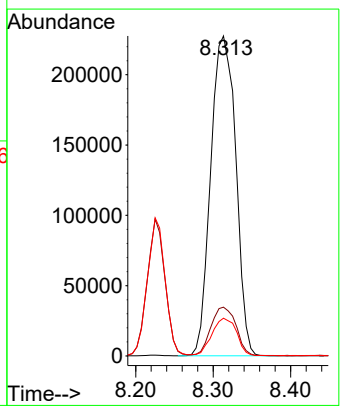


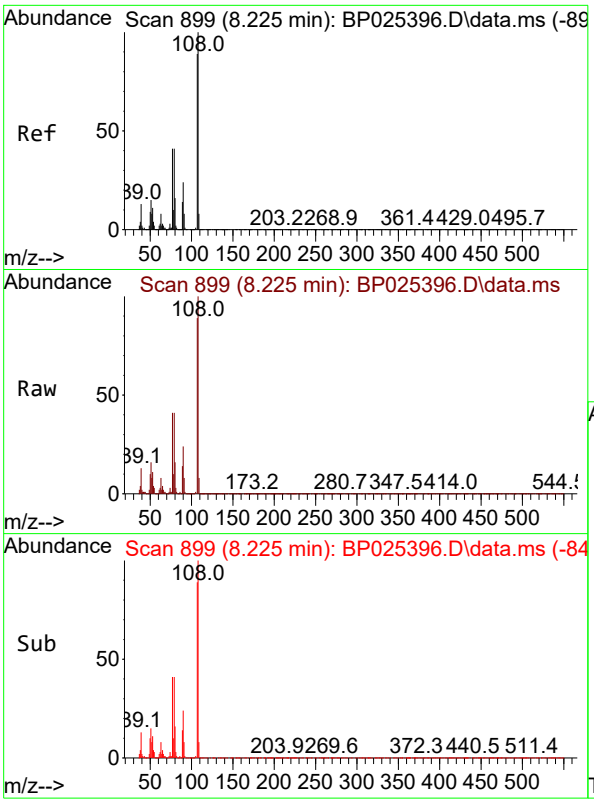


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 45 Resp: 510991

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.3
79	11.8	0.0	31.8

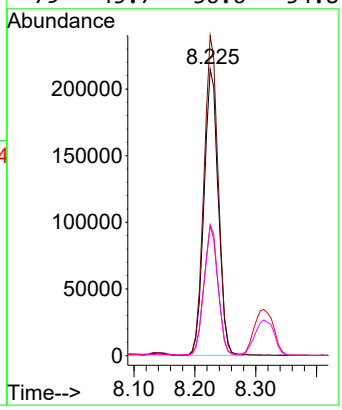




#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 34931

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8



Instrument :
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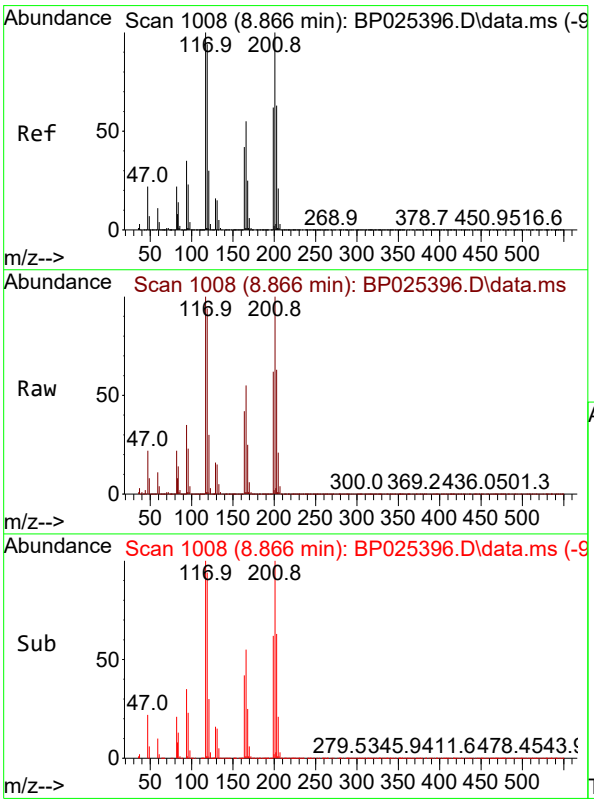
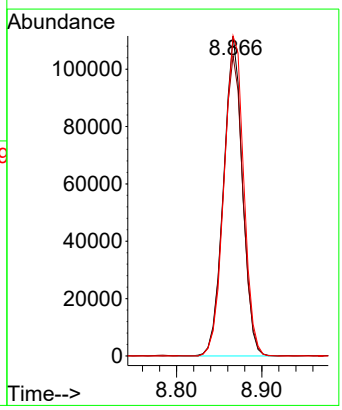
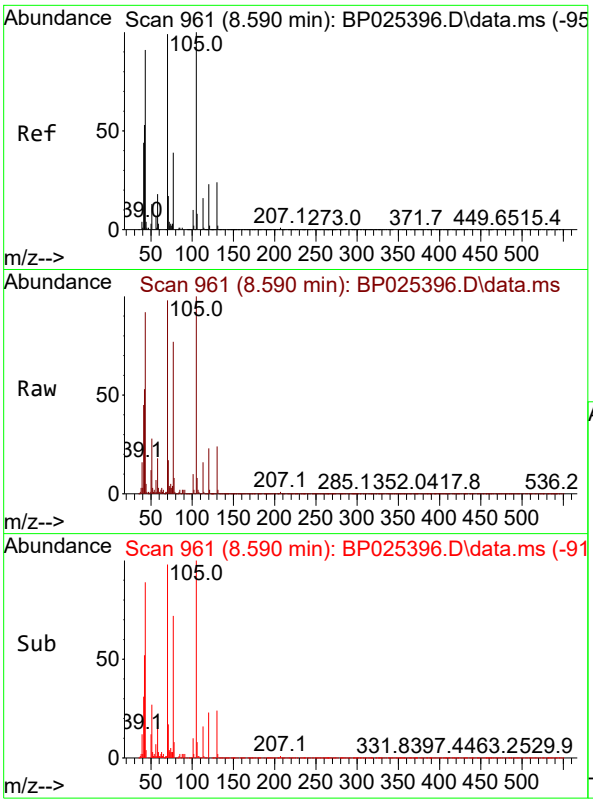


#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:117 Resp: 171906

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1

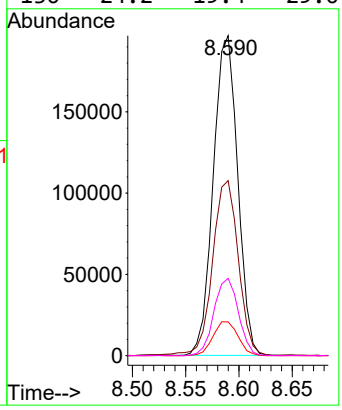




#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 70 Resp: 31277

Ion	Ratio	Lower	Upper
70	100		
42	54.7	43.8	65.6
101	10.6	8.5	12.7
130	24.2	19.4	29.0



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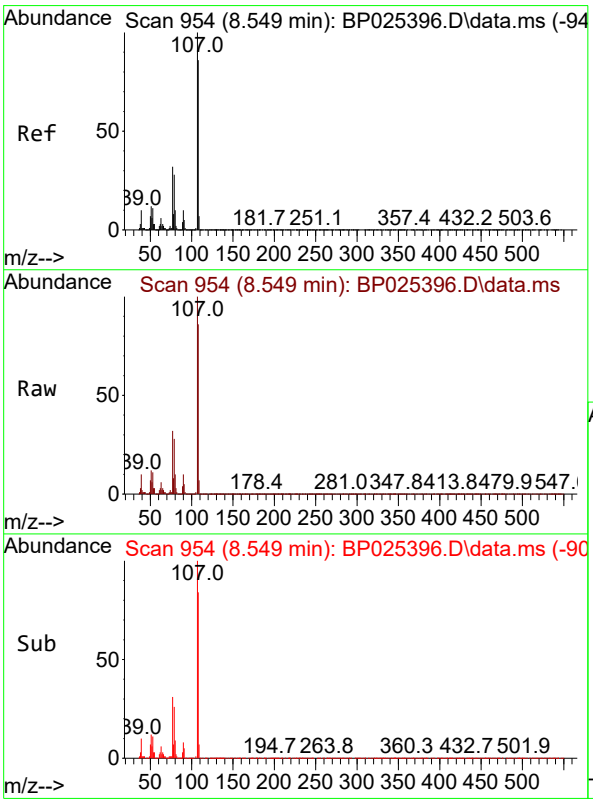
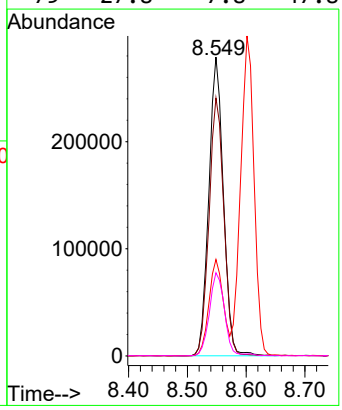
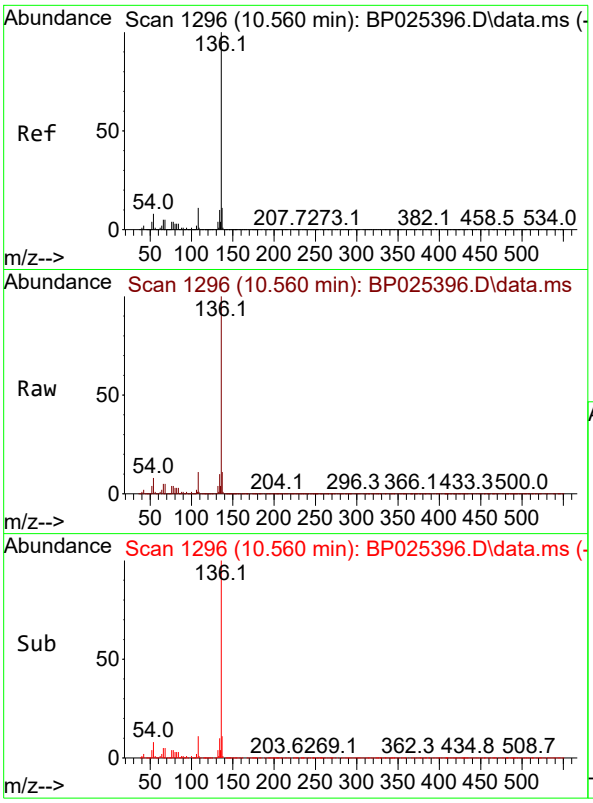


#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 481148

Ion	Ratio	Lower	Upper
107	100		
108	86.3	66.3	106.3
77	32.3	12.3	52.3
79	27.8	7.8	47.8

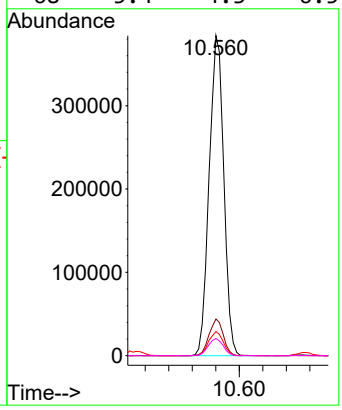




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:136 Resp: 66355

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5



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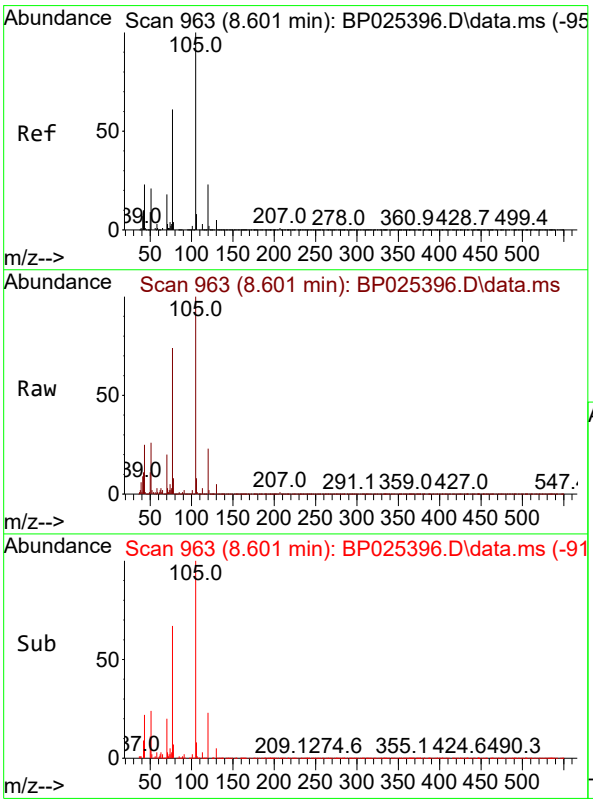
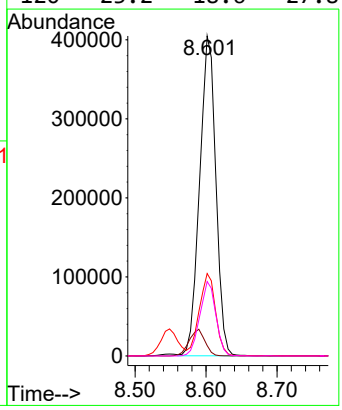
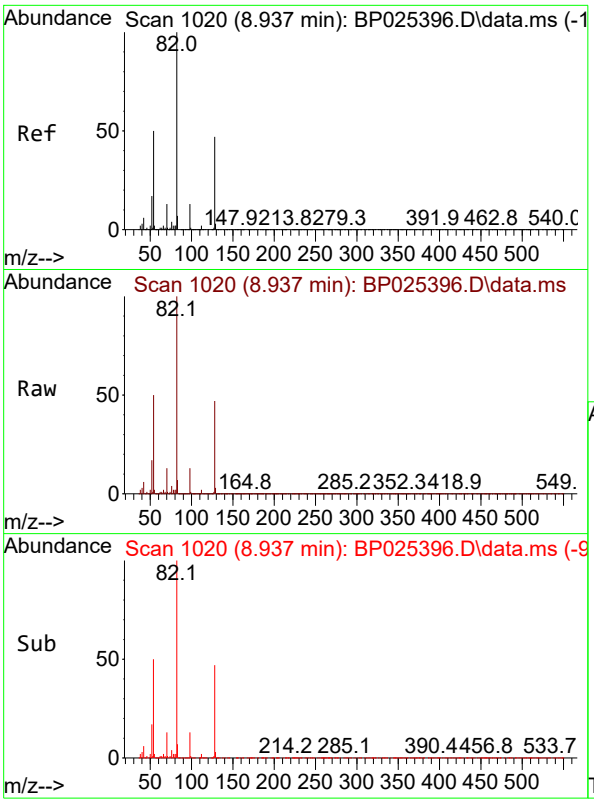


#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:105 Resp: 644124

Ion	Ratio	Lower	Upper
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8

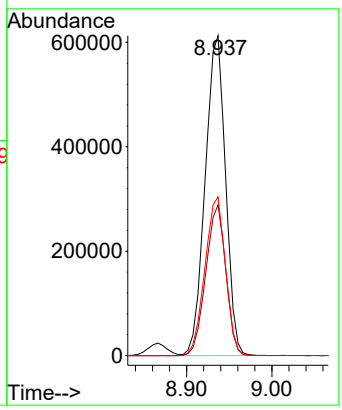




#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 82 Resp: 101555

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	49.7	39.8	59.6



Instrument :
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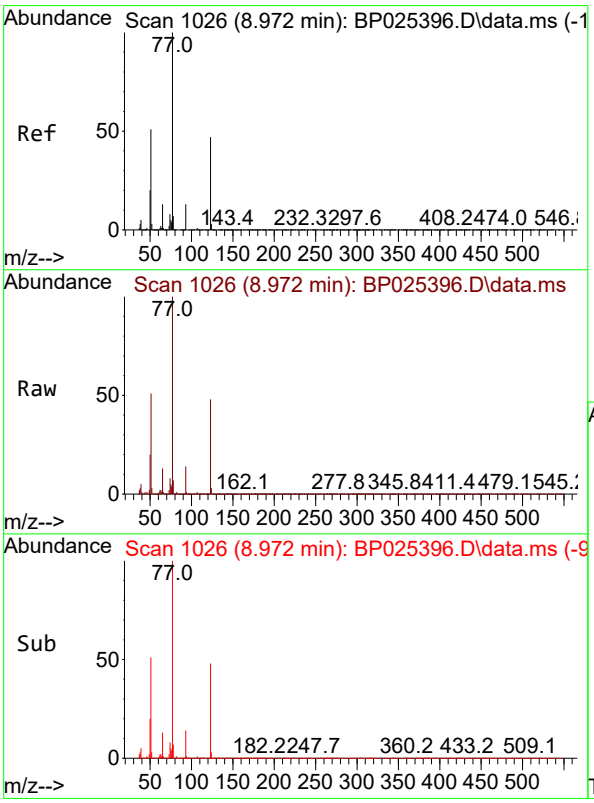
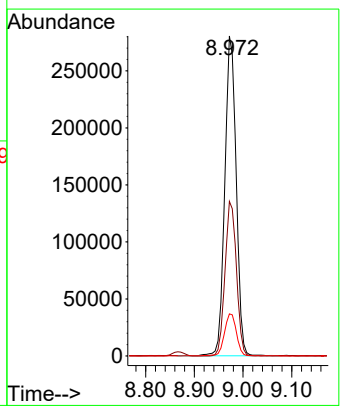
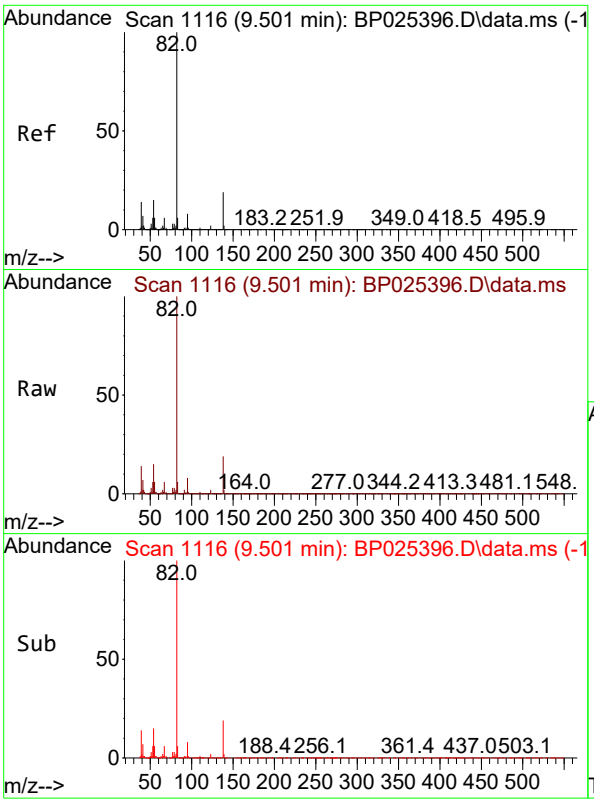


#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 457175

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.2	10.6	15.8





#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 82 Resp: 89398

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0

Instrument :
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ClientSampleId :
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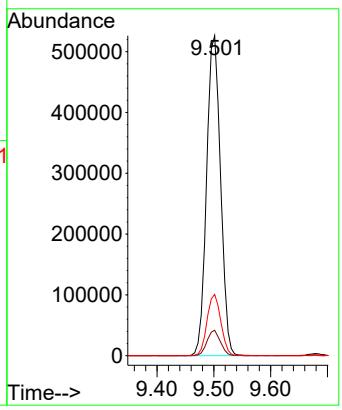
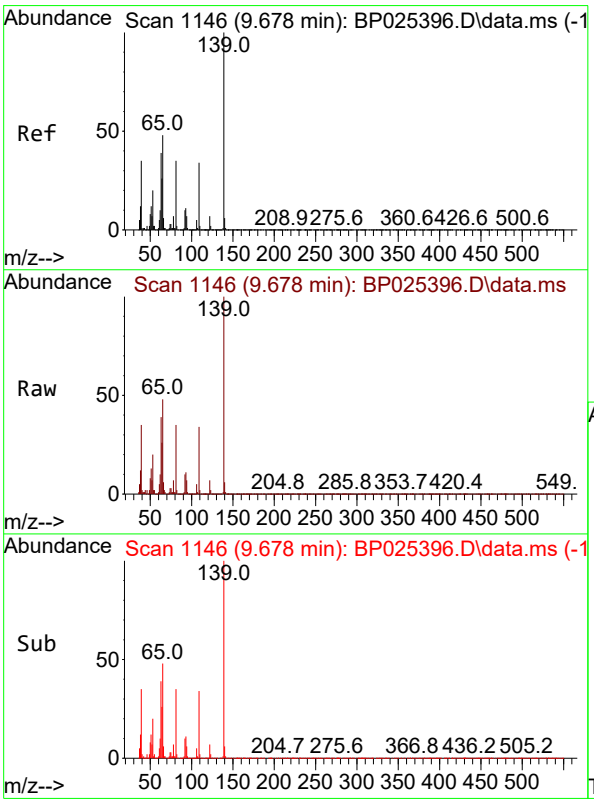
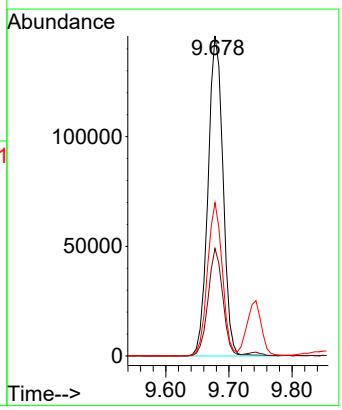


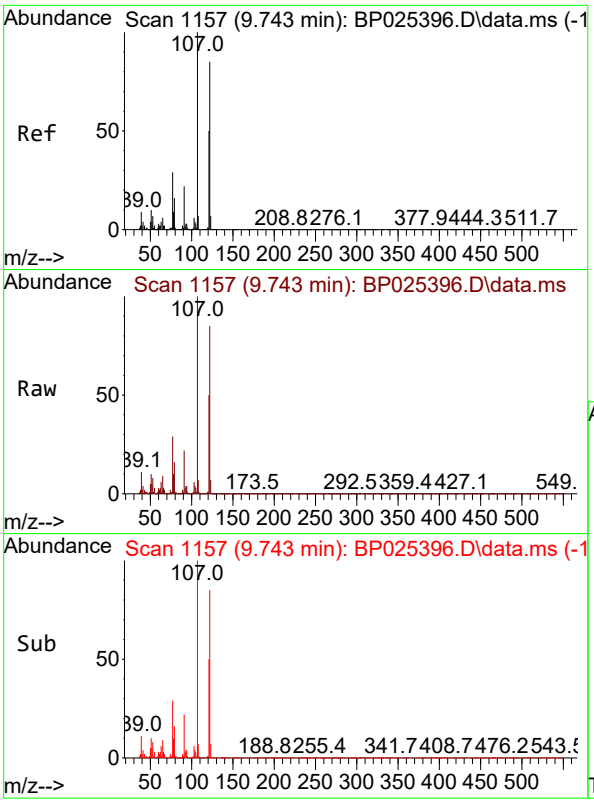


#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 239675

Ion	Ratio	Lower	Upper
139	100		
109	33.6	26.9	40.3
65	47.9	38.3	57.5

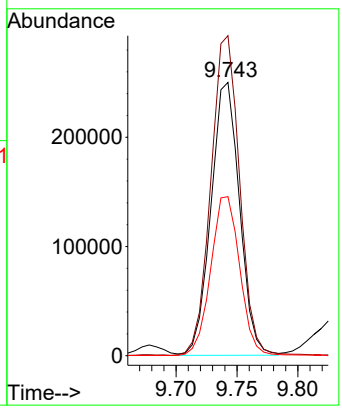




#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 40857

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	58.2	46.6	69.8



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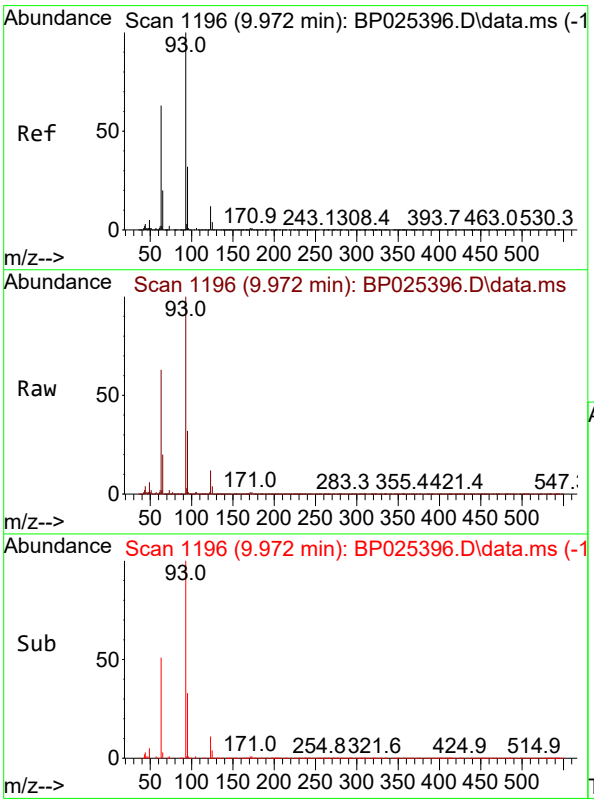
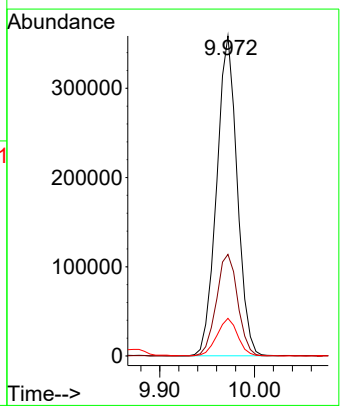
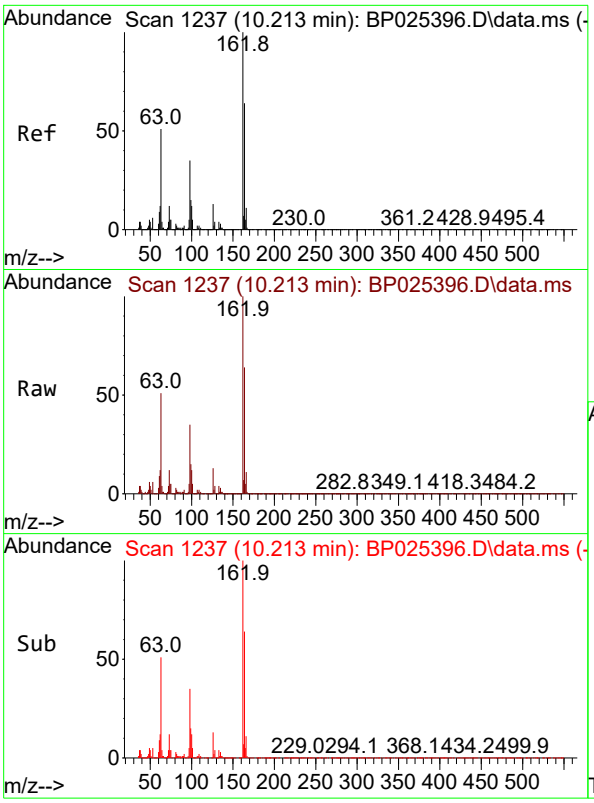


#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 540282

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.0
123	11.7	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:162 Resp: 40523

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.4	84.4
98	34.9	14.9	54.9

Instrument :
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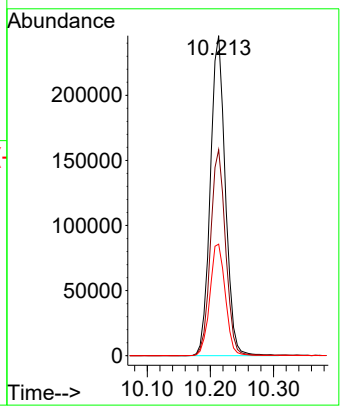
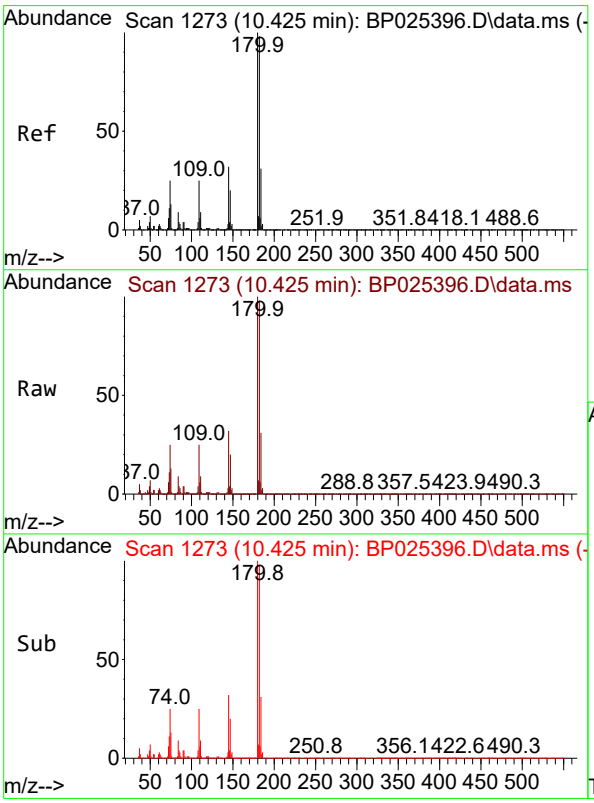
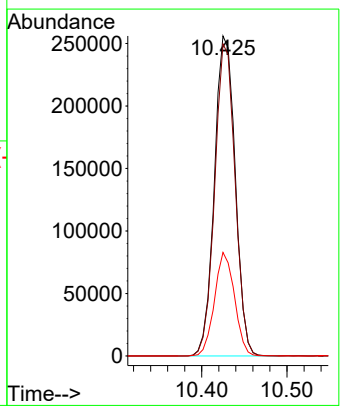


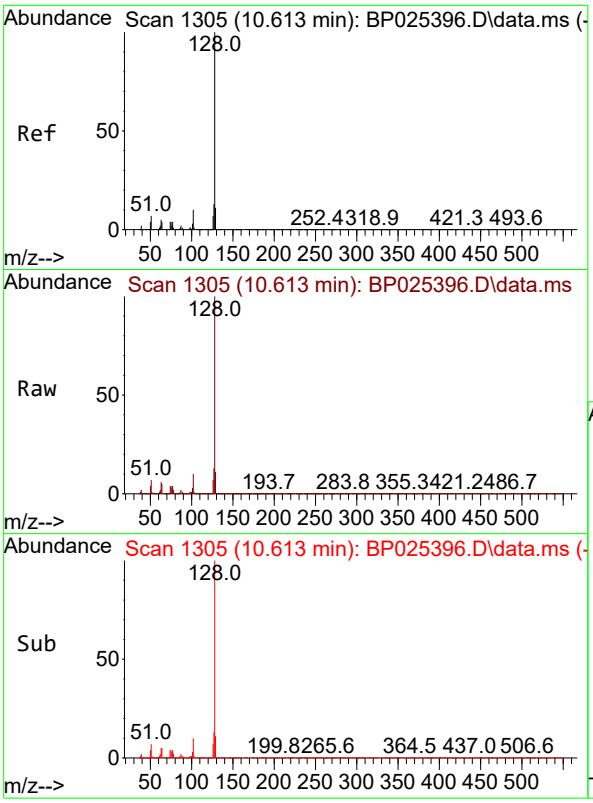


#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:180 Resp: 434105

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
145	32.4	25.9	38.9

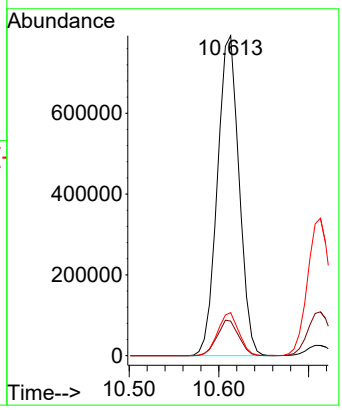




#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 132683

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.4	10.7	16.1



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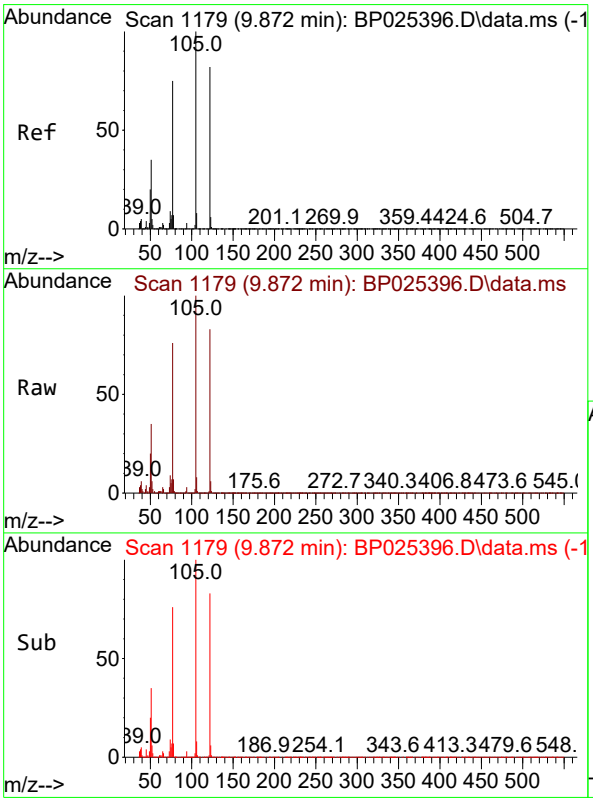
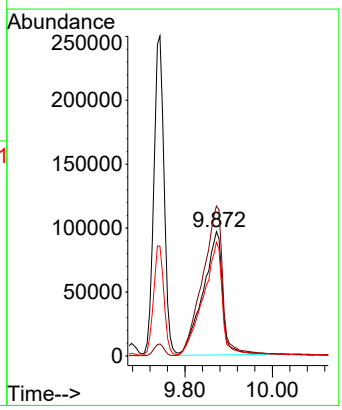
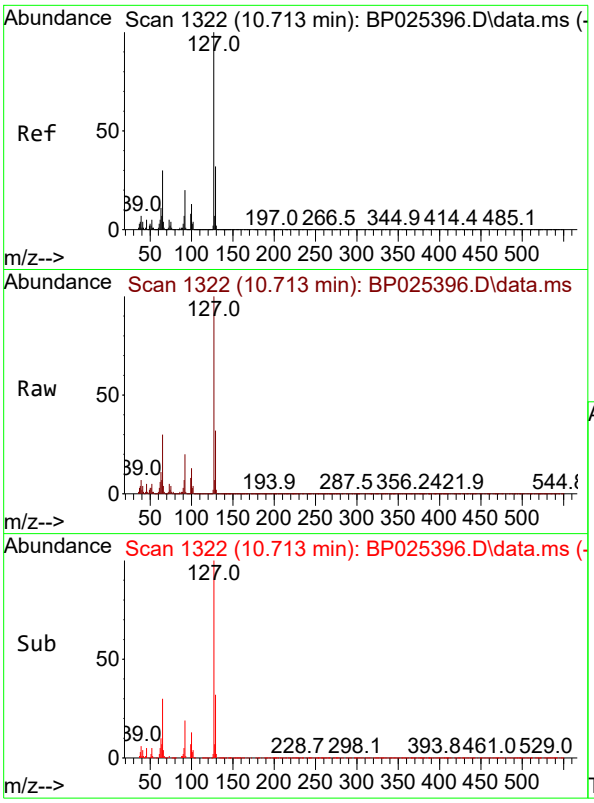


#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 301281

Ion	Ratio	Lower	Upper
122	100		
105	120.6	100.6	140.6
77	91.5	71.5	111.5

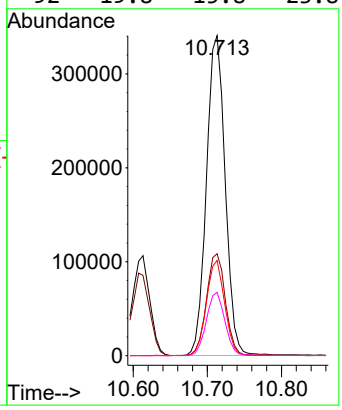




#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:127 Resp: 59946

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8



Instrument :
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ClientSampleId :
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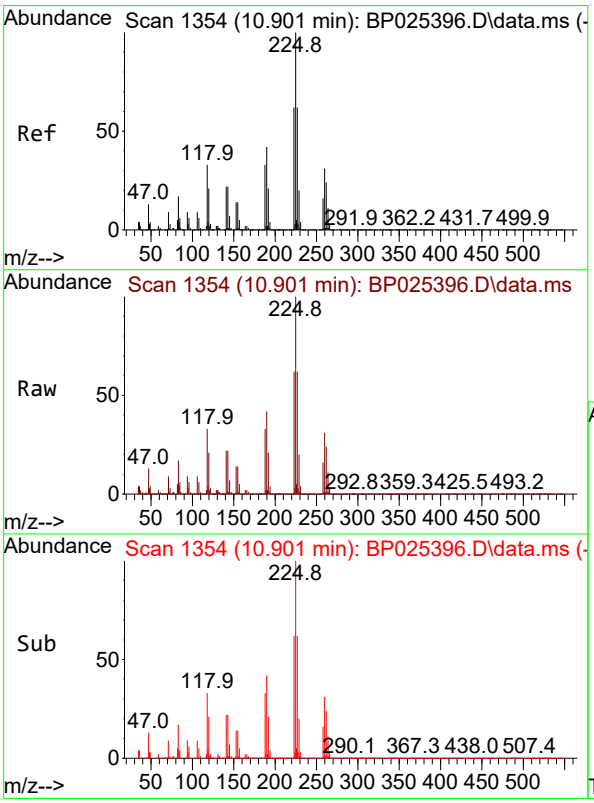
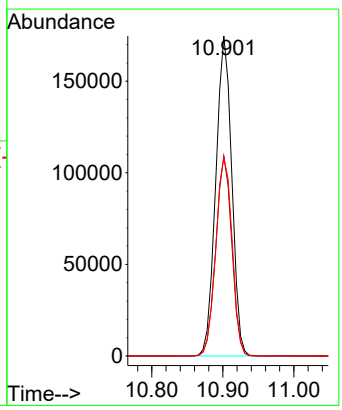
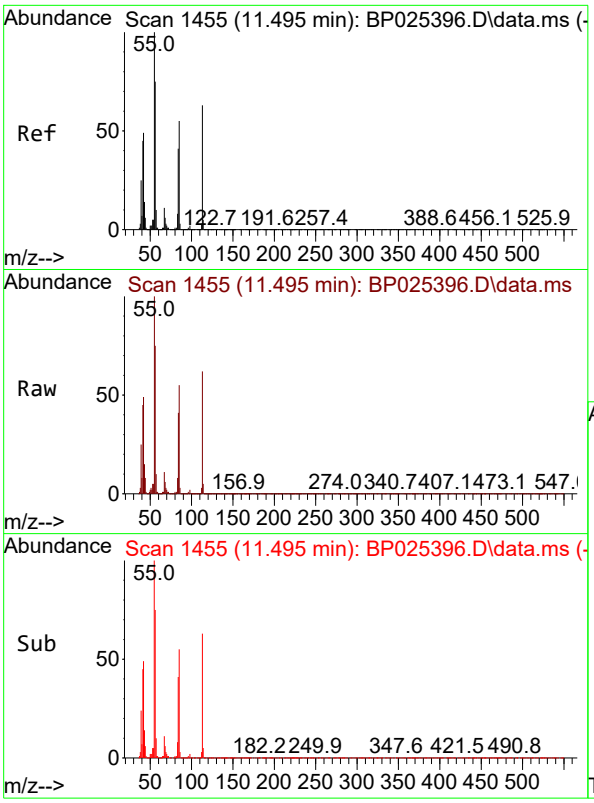


#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:225 Resp: 271549

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5





#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:113 Resp: 14517

Ion	Ratio	Lower	Upper
113	100		
55	160.0	140.0	180.0
56	120.0	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
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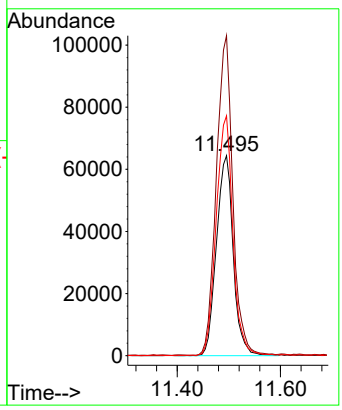
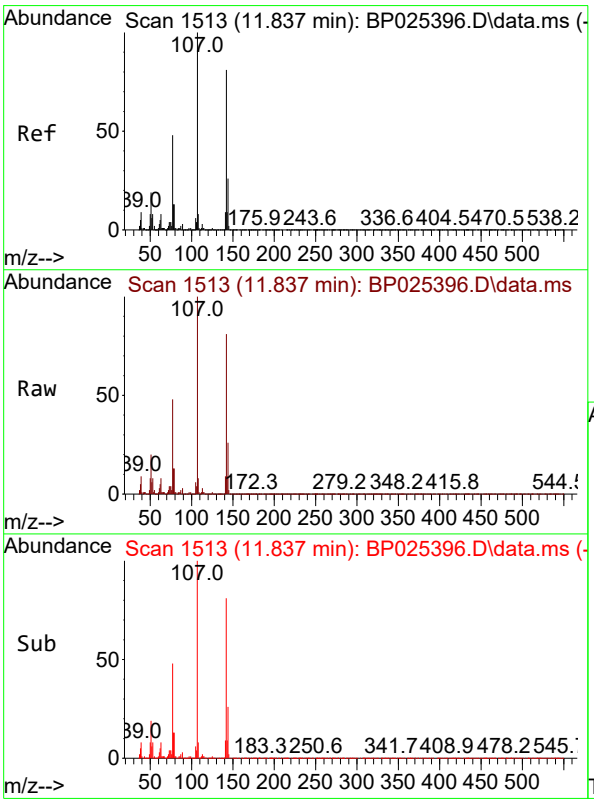
Supervised By :Jagrut Upadhyay 08/15/2025

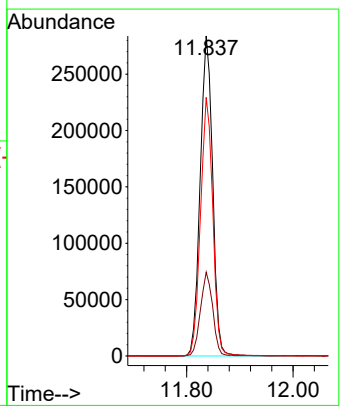


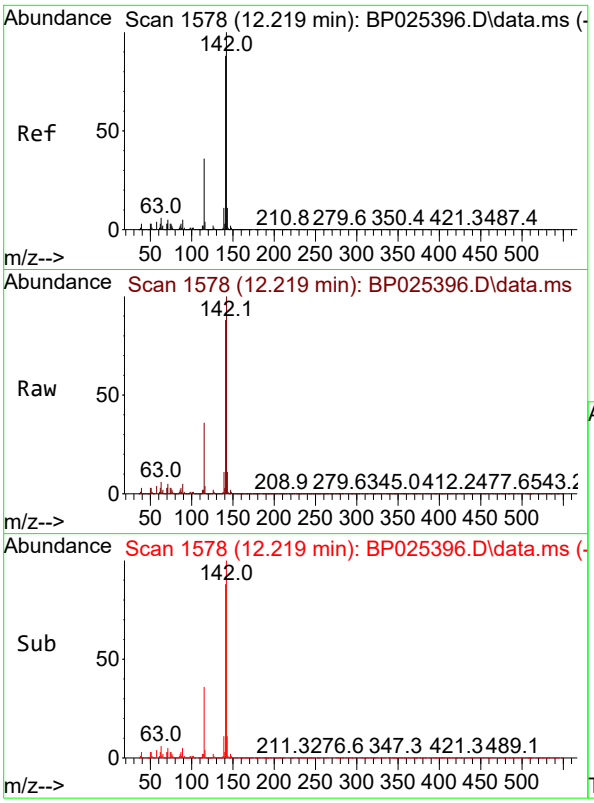


#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 459473

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	80.8	64.6	97.0

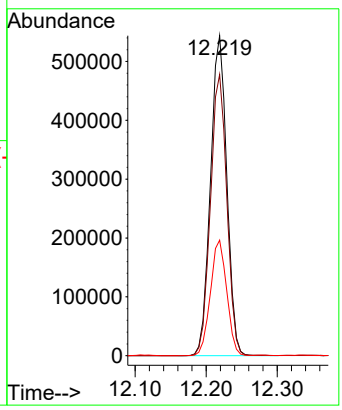




#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 86542

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	36.1	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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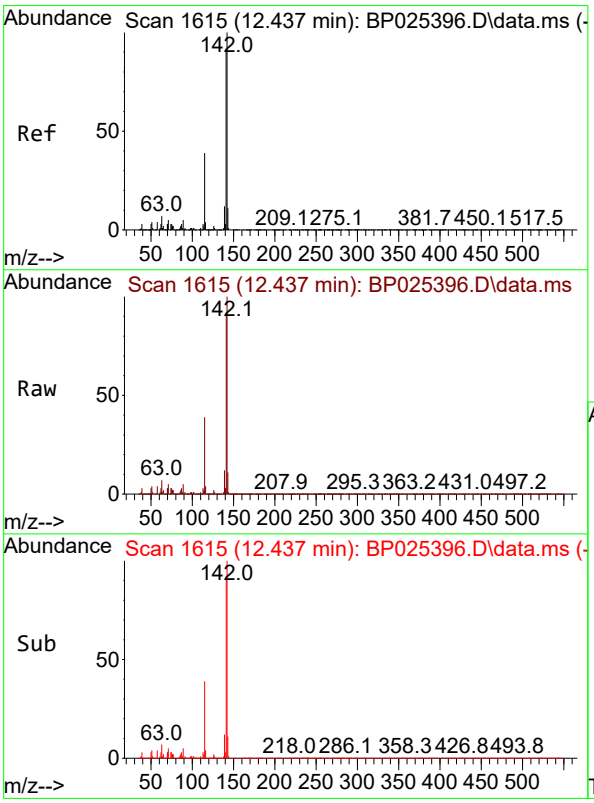
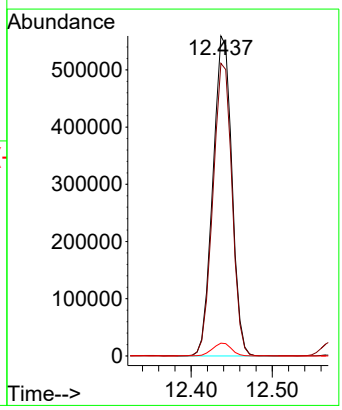
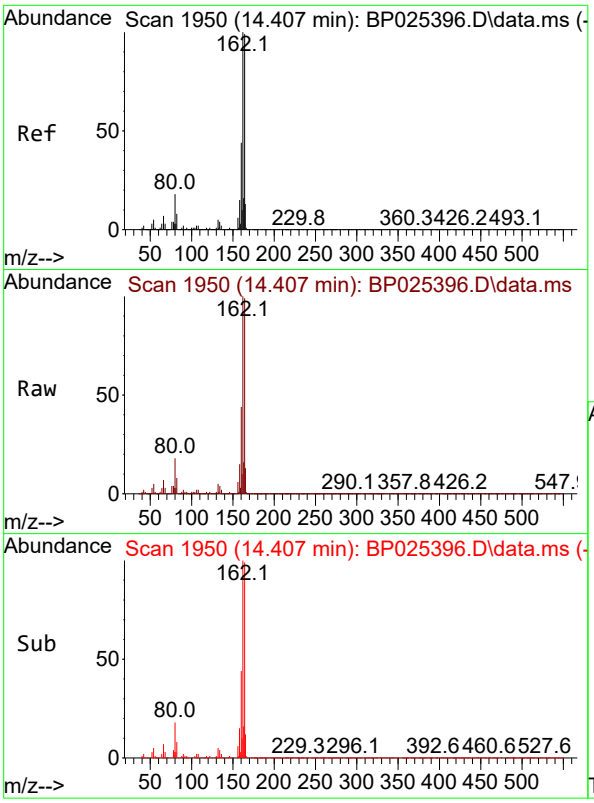


#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7
116	4.0	3.2	4.8

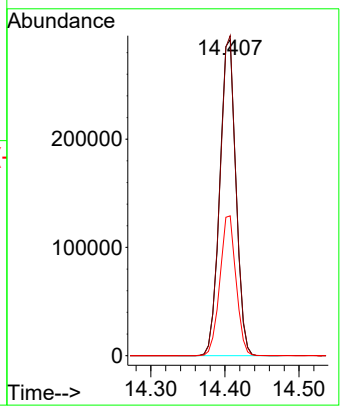




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:164 Resp: 44111

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.6
160	44.3	35.4	53.2



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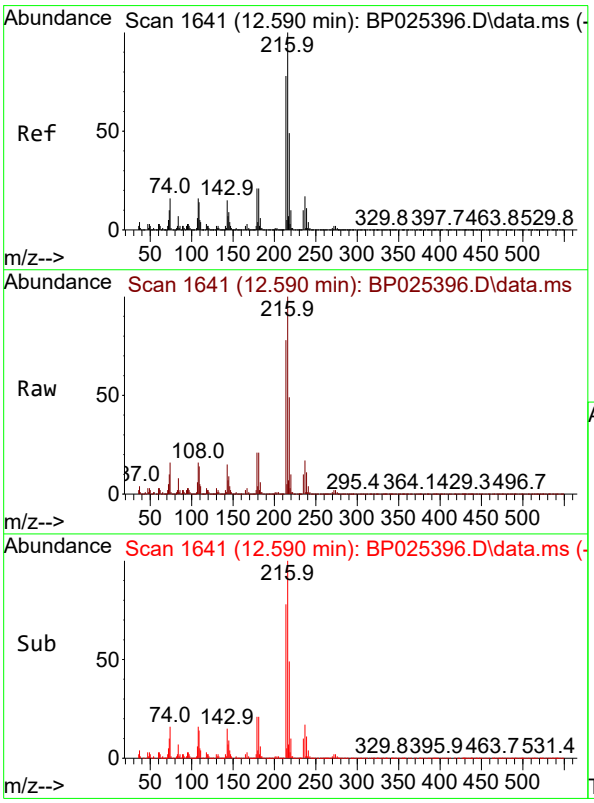
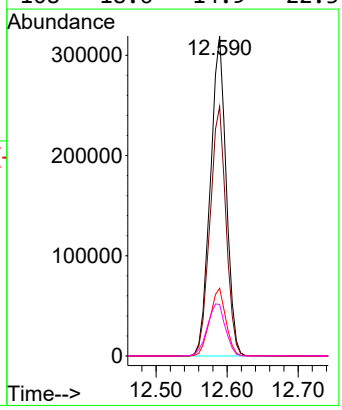
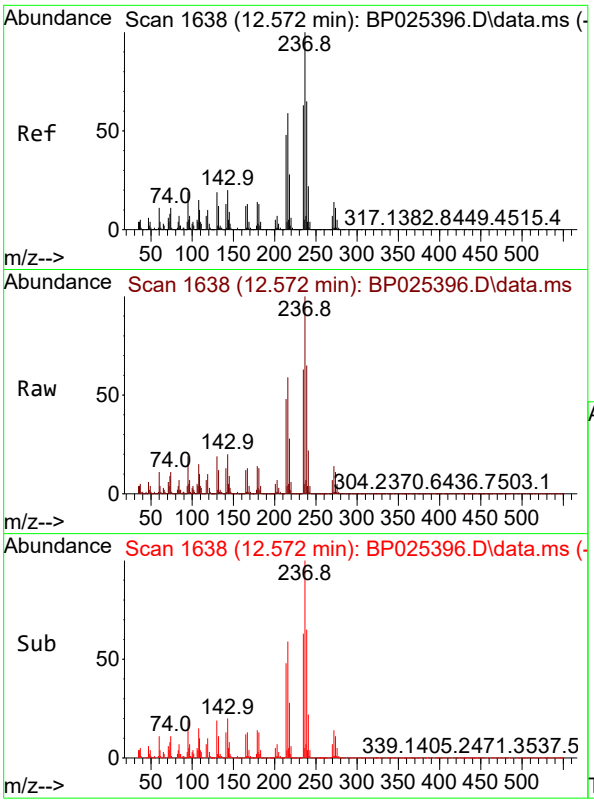


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:216 Resp: 494141

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.4	17.1	25.7
108	18.6	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 39.896 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:237 Resp: 30701

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	14.0	0.0	34.0

Instrument :
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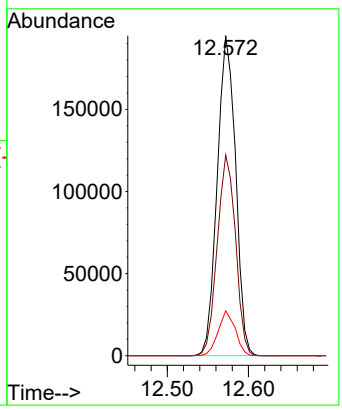
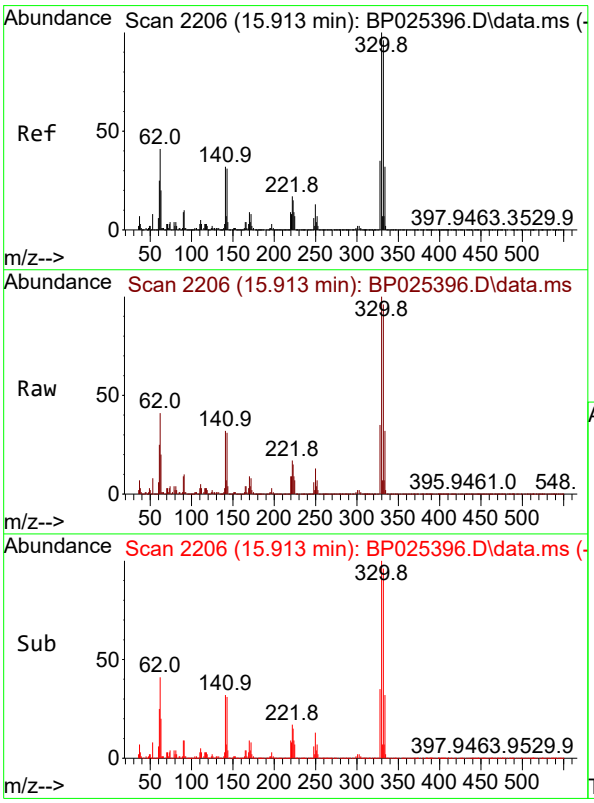
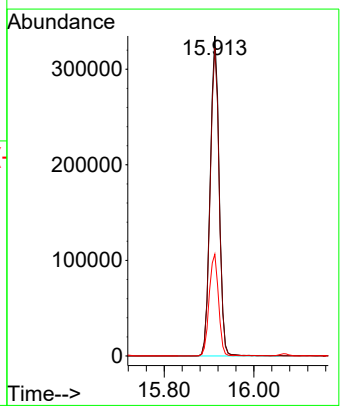


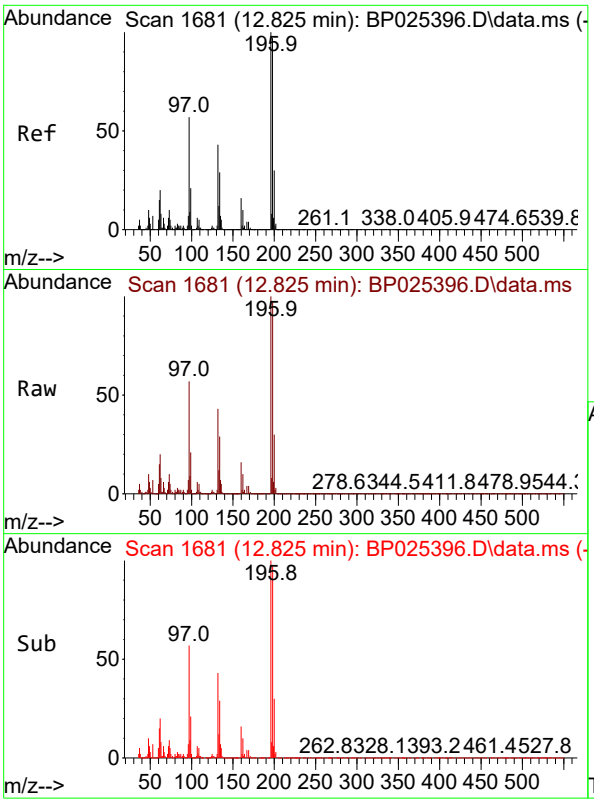


#42
2,4,6-Tribromophenol
Concen: 78.112 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:330 Resp: 463783

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	33.2	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 39.201 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:196 Resp: 33715

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.2	115.8
200	29.9	23.9	35.9

Instrument :
BNA_P
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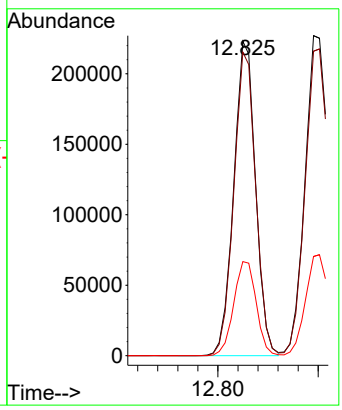
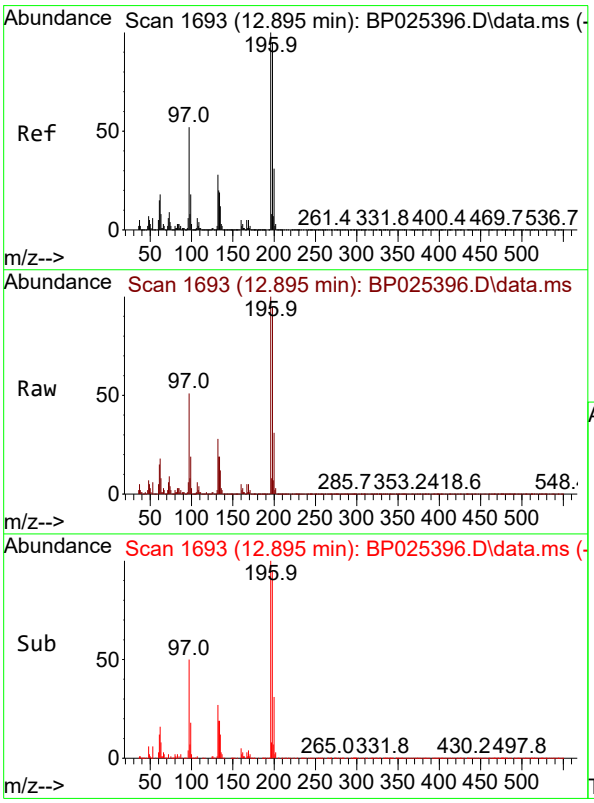
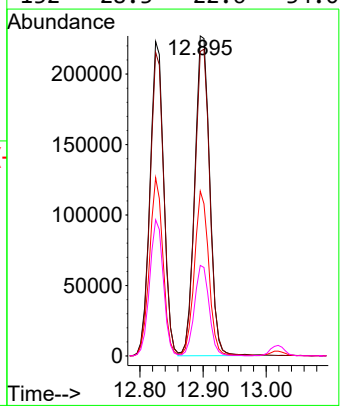


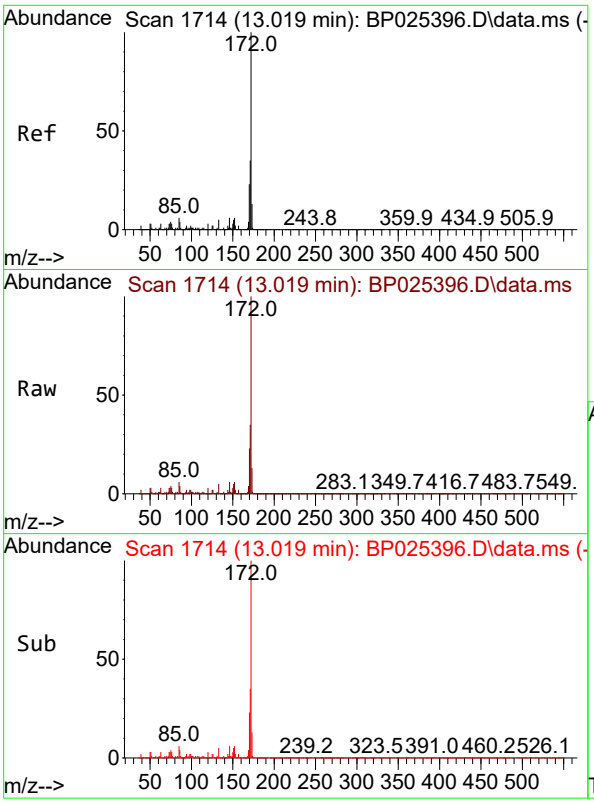


#44
2,4,5-Trichlorophenol
Concen: 39.664 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:196 Resp: 373880

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
97	51.5	41.2	61.8
132	28.3	22.6	34.0

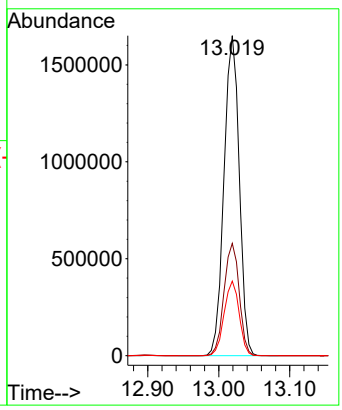




#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:172 Resp: 245678

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0



Instrument :
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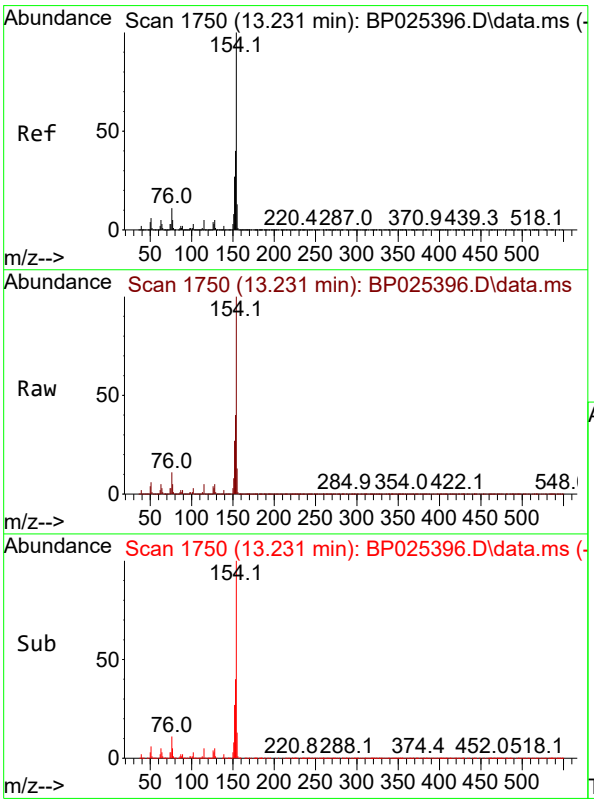
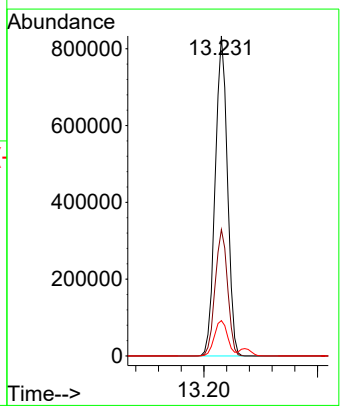
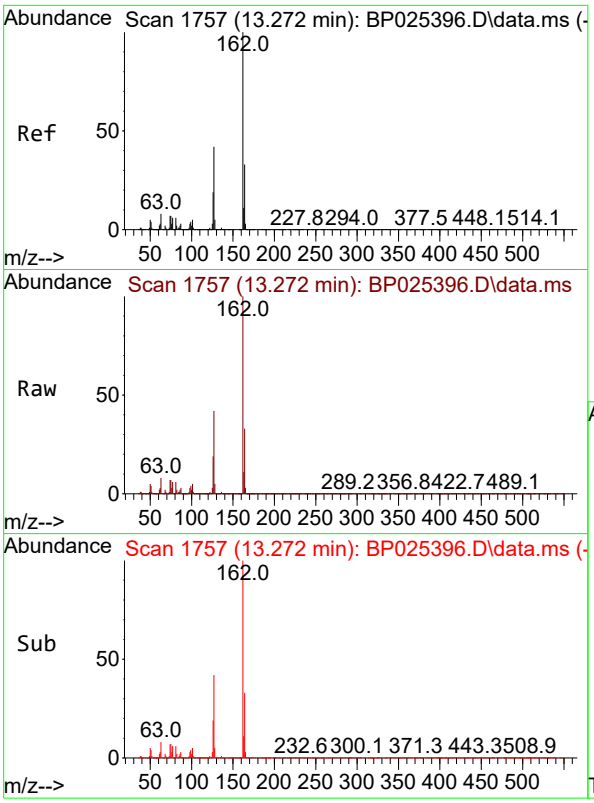


#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 1242247

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.1	0.0	31.1

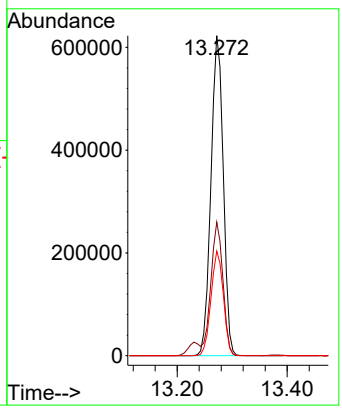




#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:162 Resp: 97090

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2



Instrument :
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ClientSampleId :
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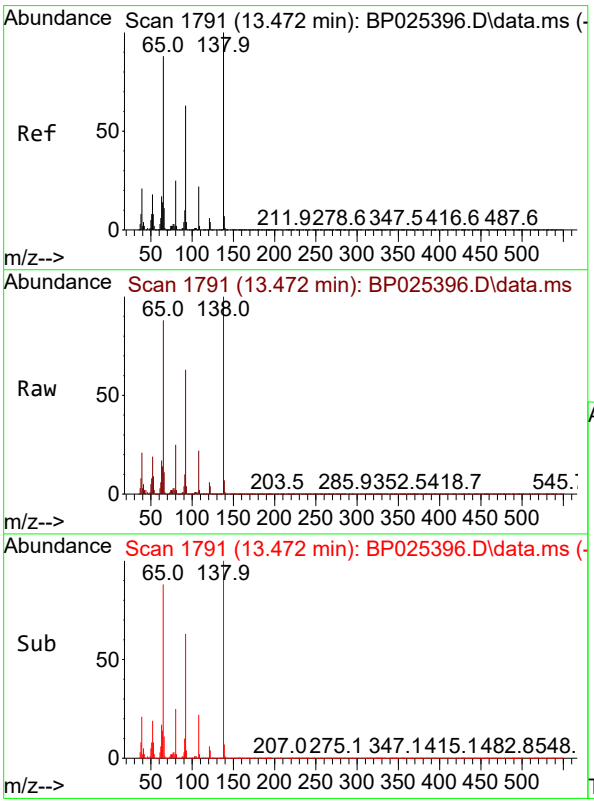
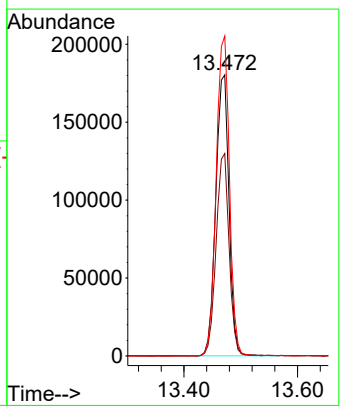
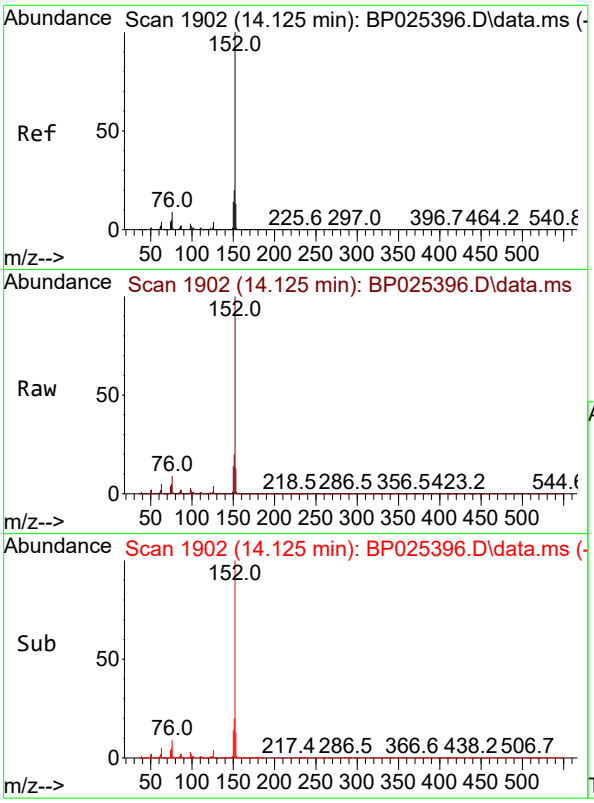


#48
2-Nitroaniline
Concen: 40.092 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 65 Resp: 291341

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	113.8	91.0	136.6

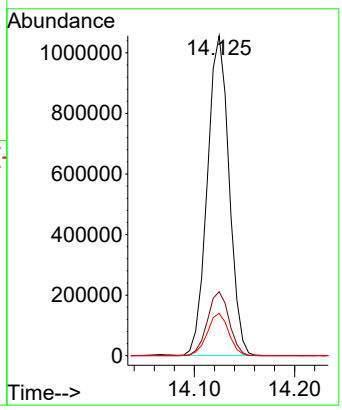




#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:152 Resp: 159363

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8



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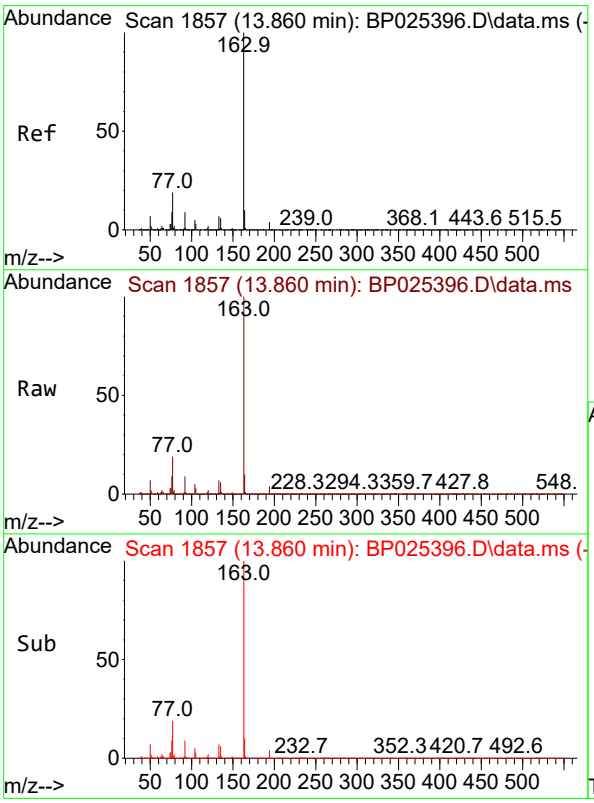
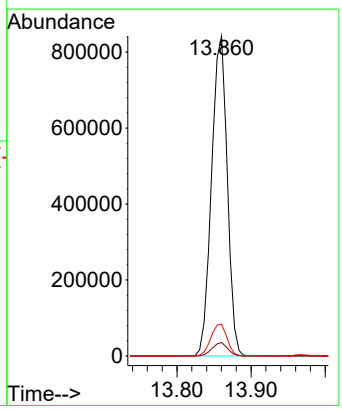
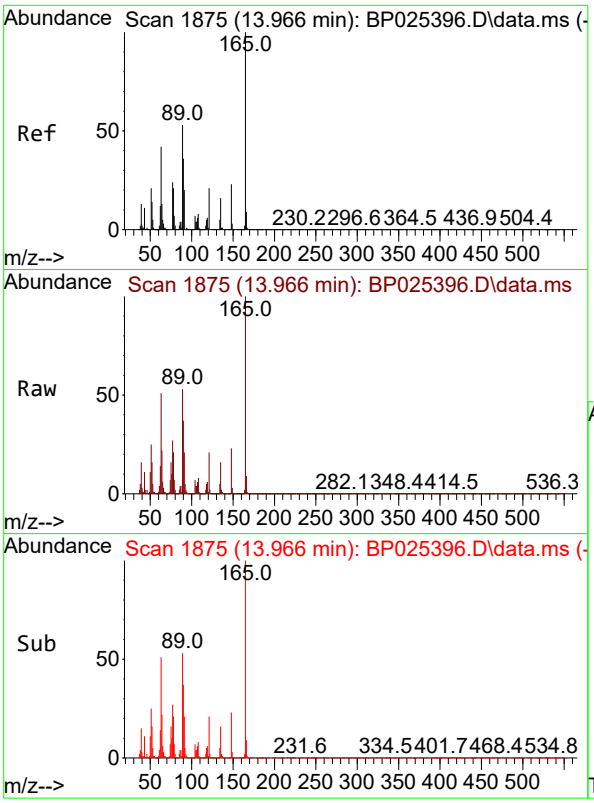


#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:163 Resp: 1237666

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:165 Resp: 27275

Ion	Ratio	Lower	Upper
165	100		
63	51.1	40.9	61.3
89	52.6	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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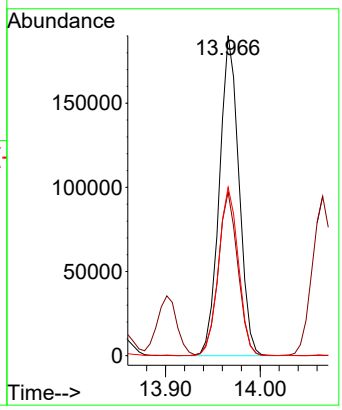
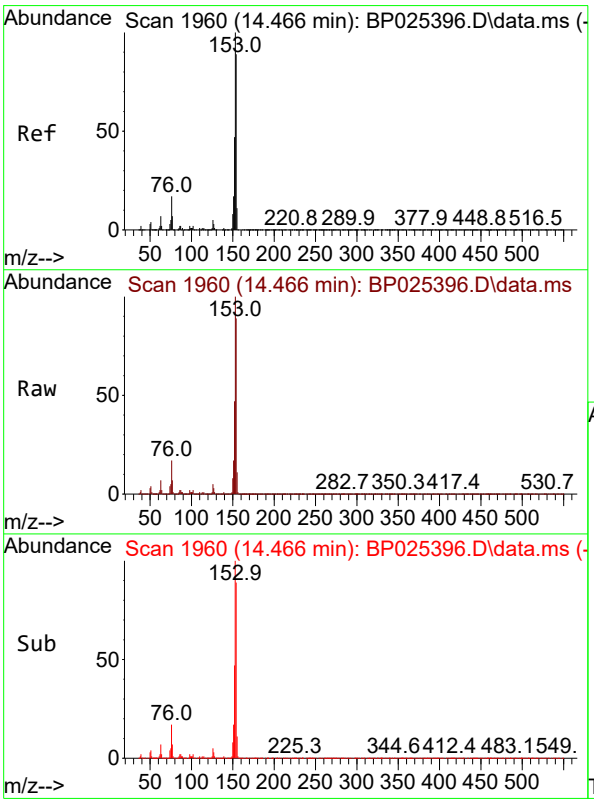
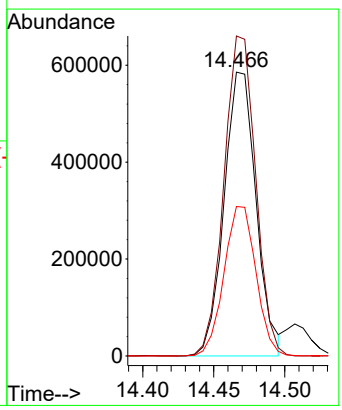


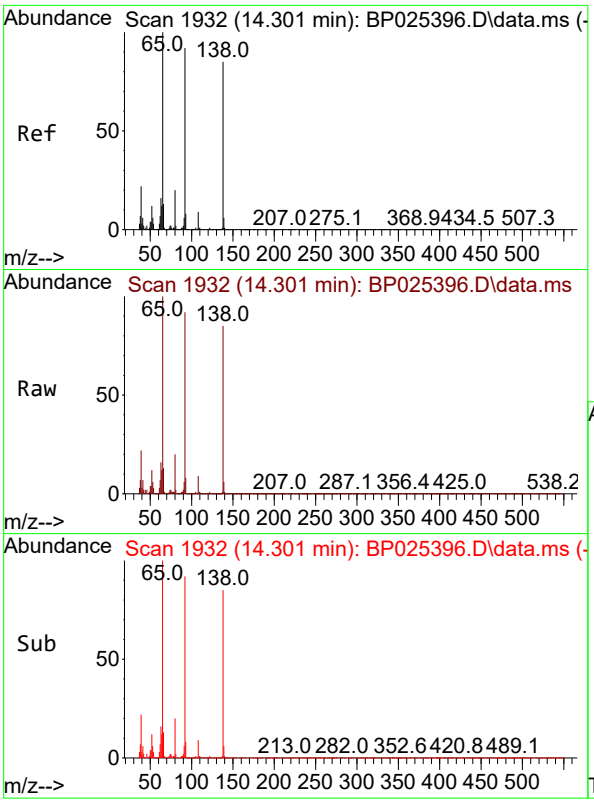


#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 918569

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.6	42.1	63.1

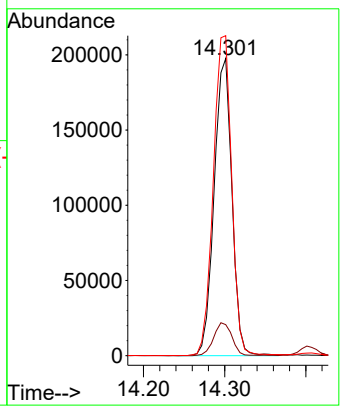




#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:138 Resp: 30141

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	107.7	86.2	129.2



Instrument :
BNA_P
ClientSampleId :
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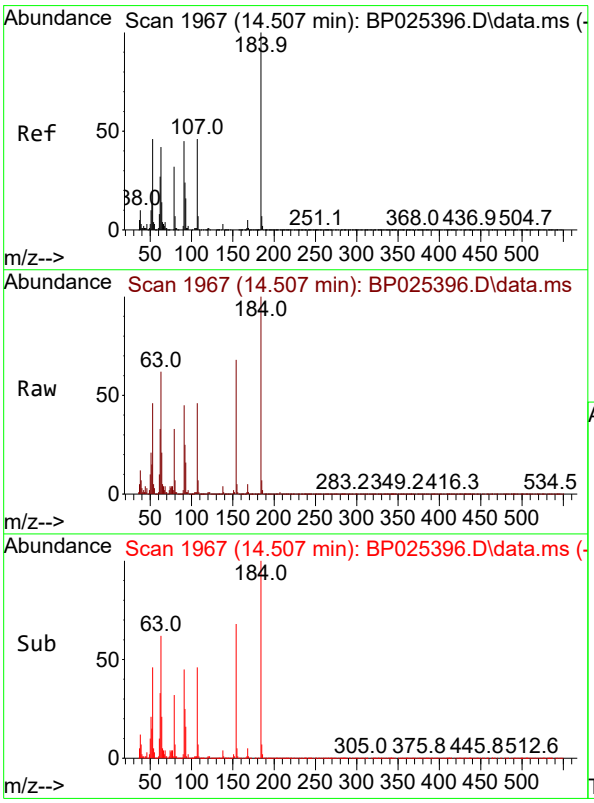
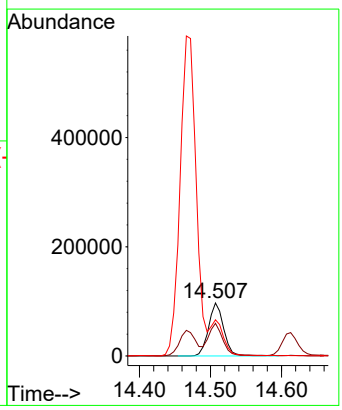
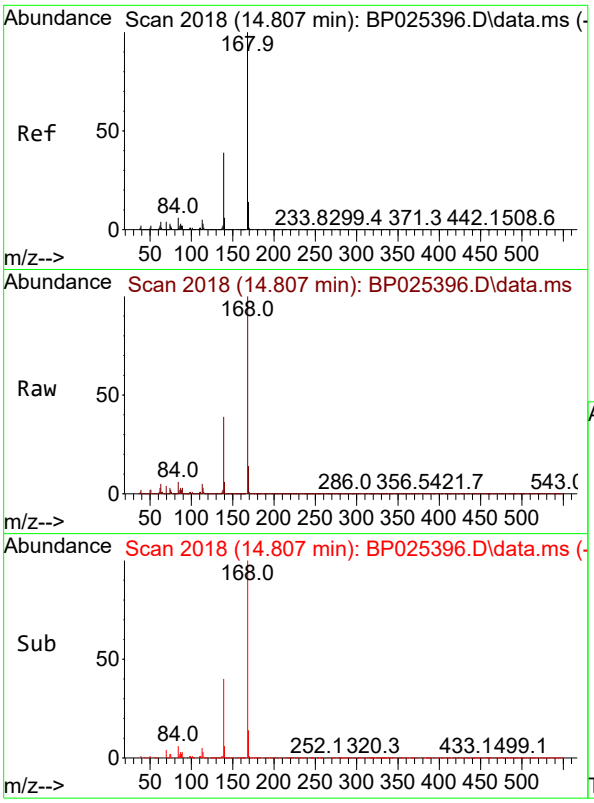


#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 144100

Ion	Ratio	Lower	Upper
184	100		
63	61.8	49.4	74.2
154	68.3	54.6	82.0

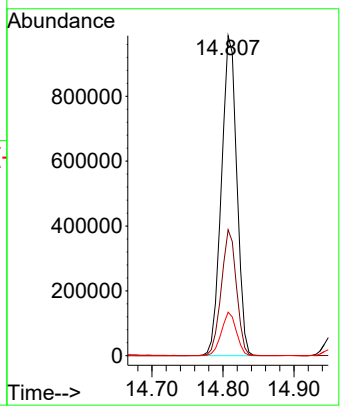




#55
Dibenzofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:168 Resp: 147922

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.5	47.3
169	13.6	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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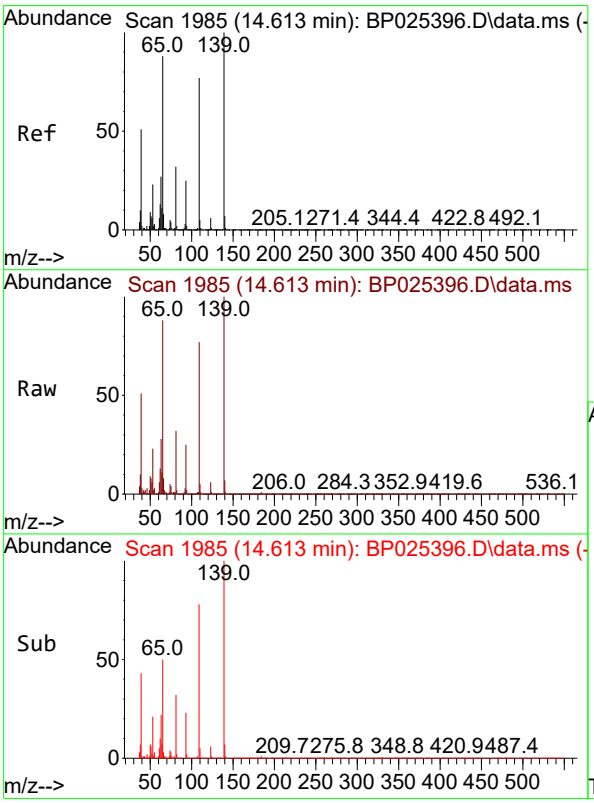
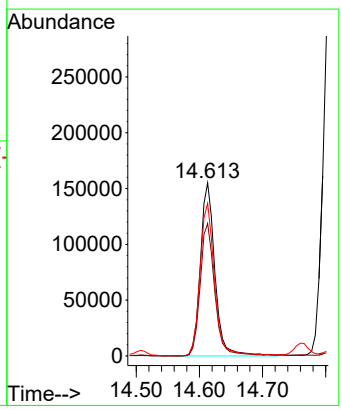
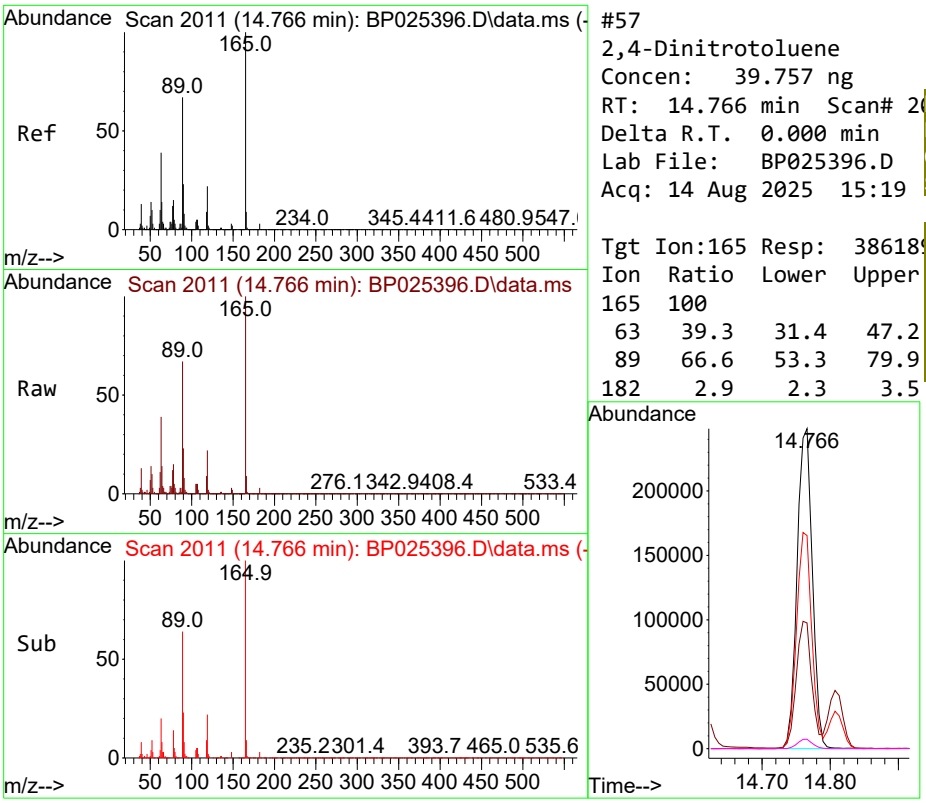


#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 246542

Ion	Ratio	Lower	Upper
139	100		
109	76.6	56.6	96.6
65	88.2	68.2	108.2





#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:165 Resp: 38618

Ion	Ratio	Lower	Upper
165	100		
63	39.3	31.4	47.2
89	66.6	53.3	79.9
182	2.9	2.3	3.5

Instrument :
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ClientSampleId :
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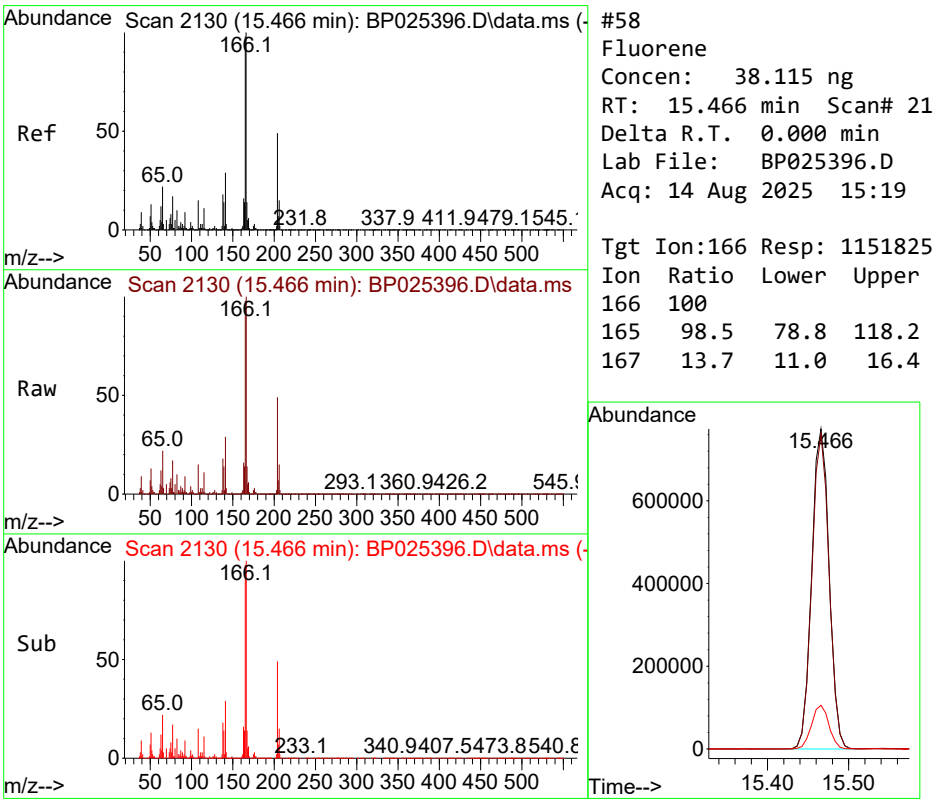
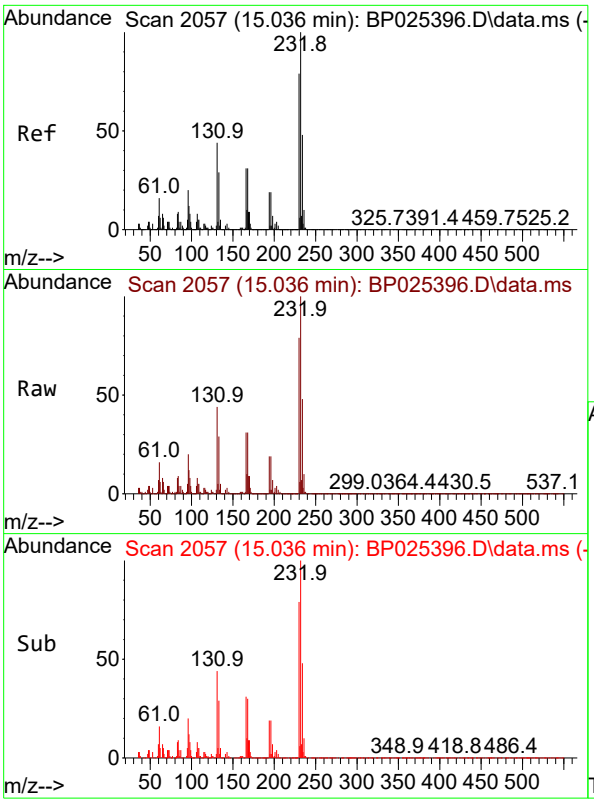


#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:166 Resp: 1151825

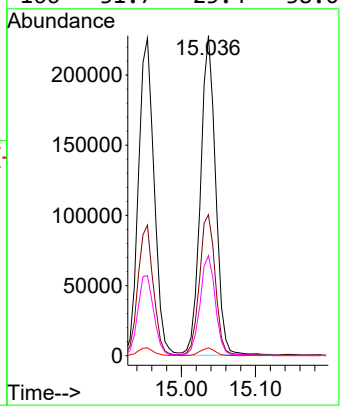
Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.7	11.0	16.4



#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:232 Resp: 32439

Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	31.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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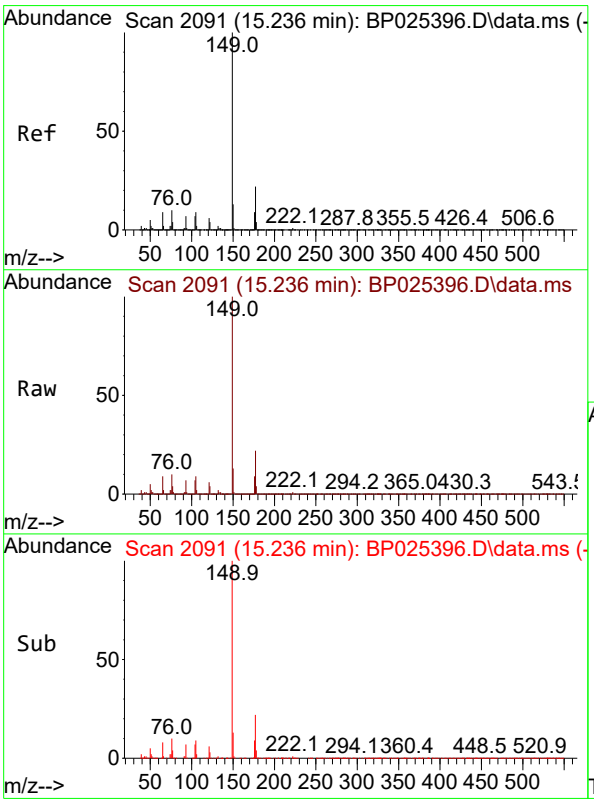
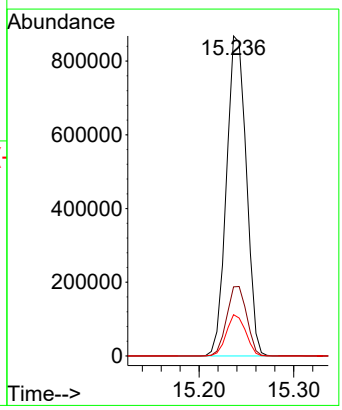
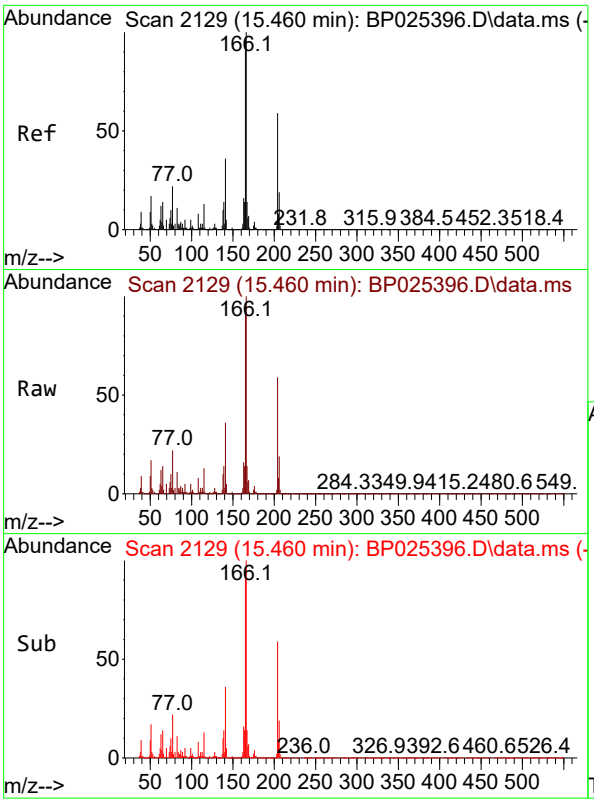


#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1264740

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.9	10.3	15.5

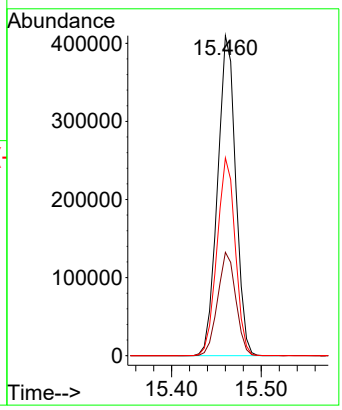




#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:204 Resp: 57454

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	61.8	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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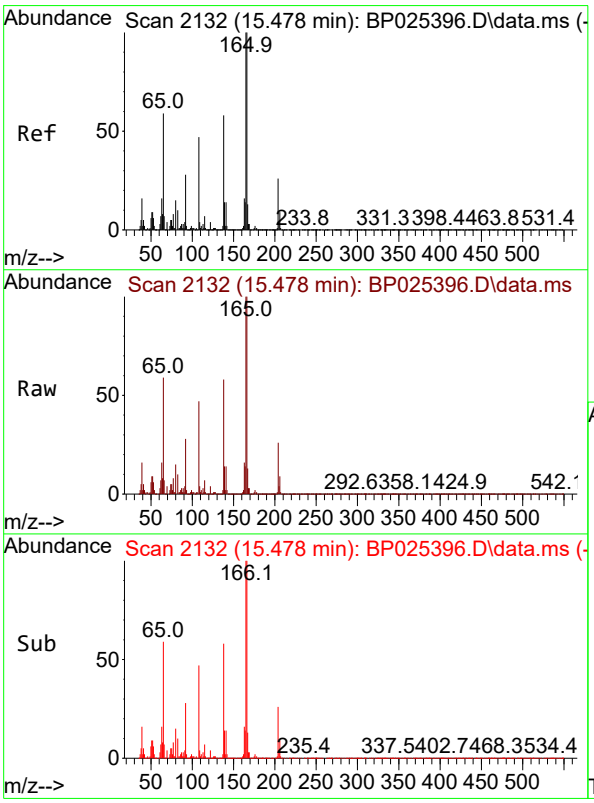
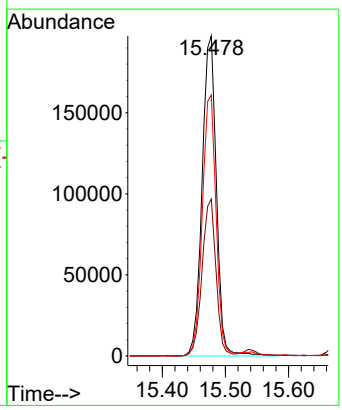
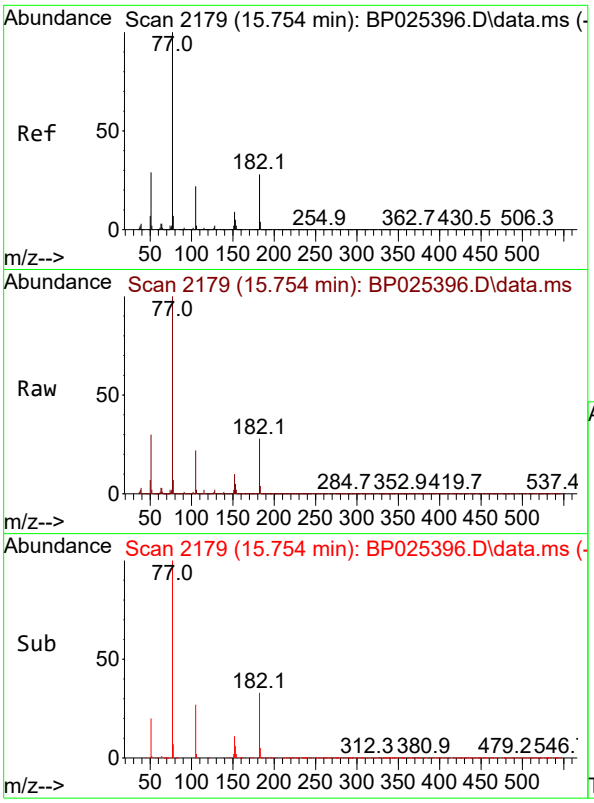


#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:138 Resp: 309740

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	81.5	61.5	101.5

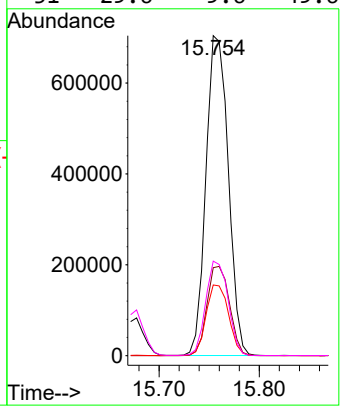




#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 109100

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.5	47.5
105	22.1	2.1	42.1
51	29.6	9.6	49.6



Instrument :
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ClientSampleId :
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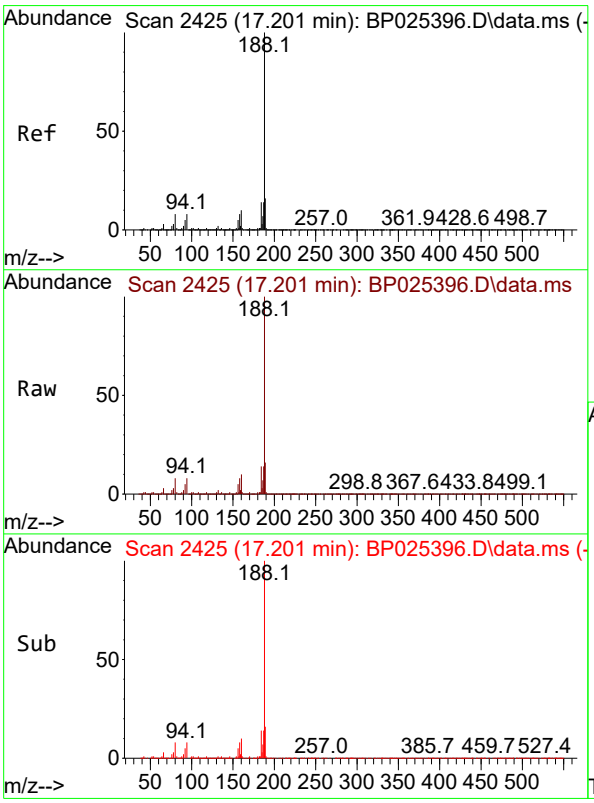
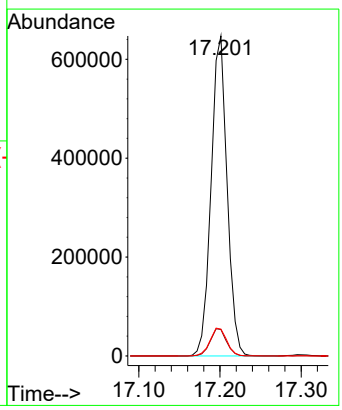
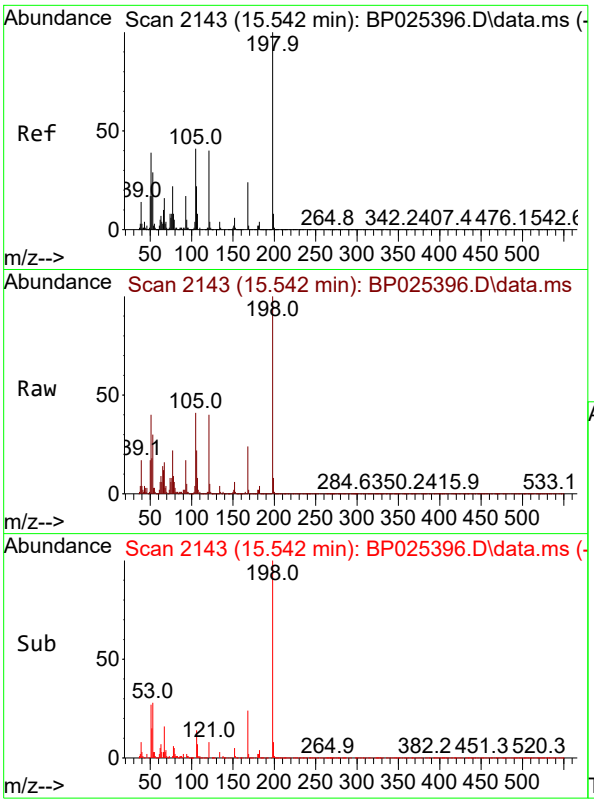


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:188 Resp: 884529

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.4	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.384 ng
RT: 15.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:198 Resp: 21715

Ion	Ratio	Lower	Upper
198	100		
51	39.6	19.6	59.6
105	40.9	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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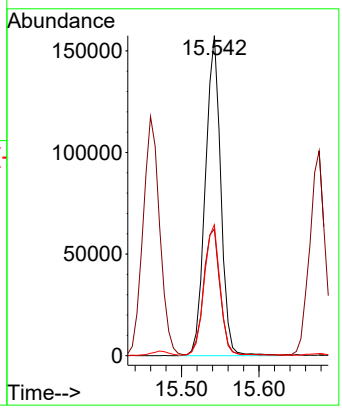
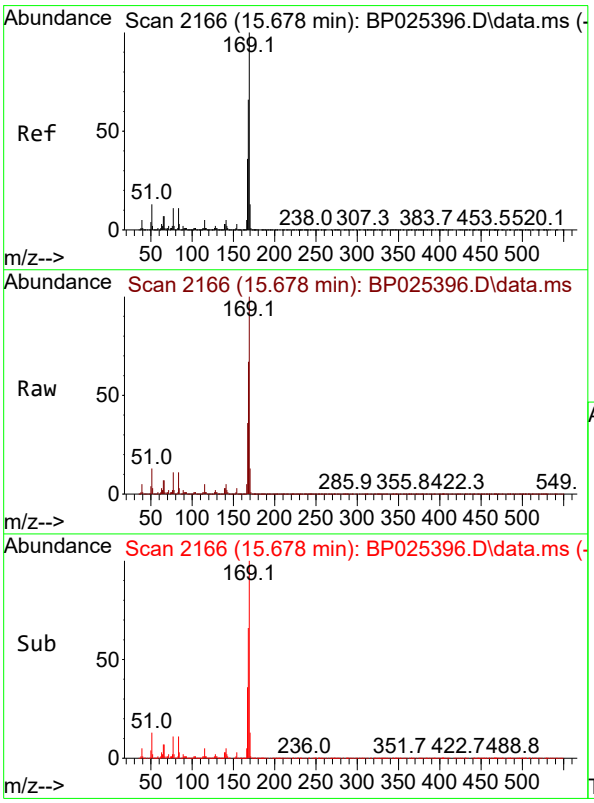
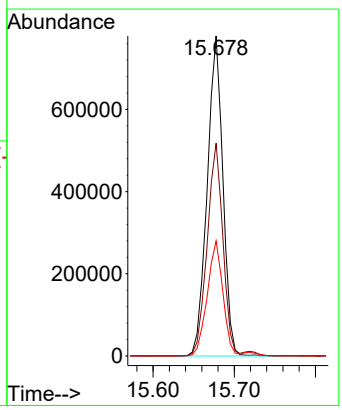


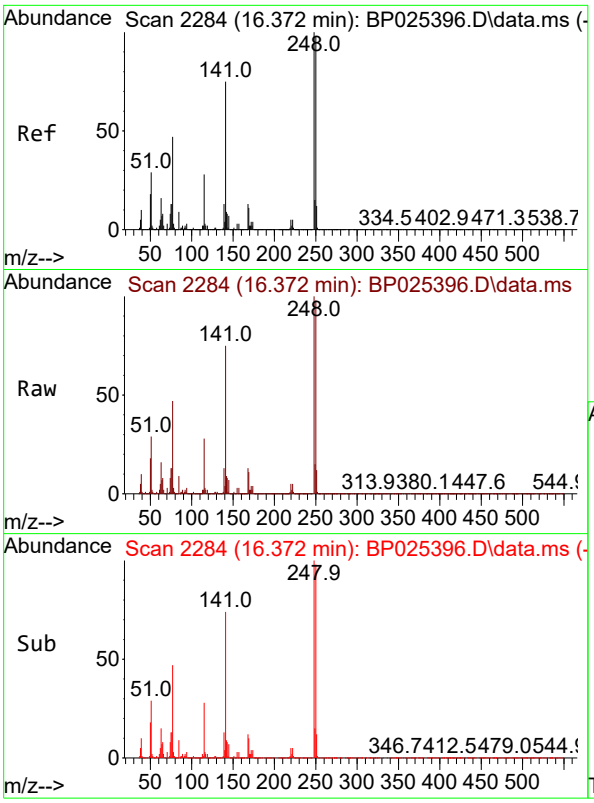


#66
n-Nitrosodiphenylamine
Concen: 38.749 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:169 Resp: 1045170

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.9	28.7	43.1

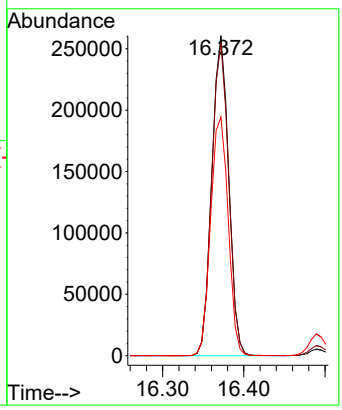




#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:248 Resp: 37686

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.2	117.2
141	74.5	59.6	89.4



Instrument :
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ClientSampleId :
SSTDICCC040

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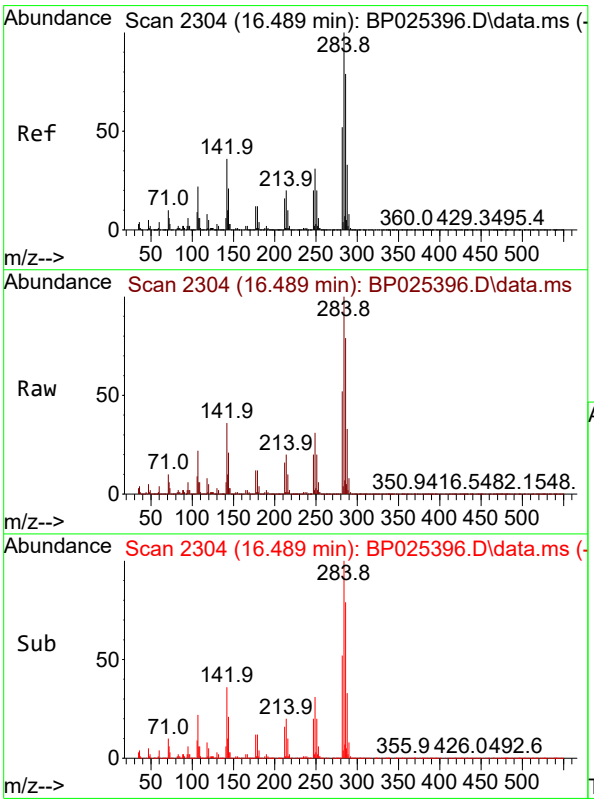
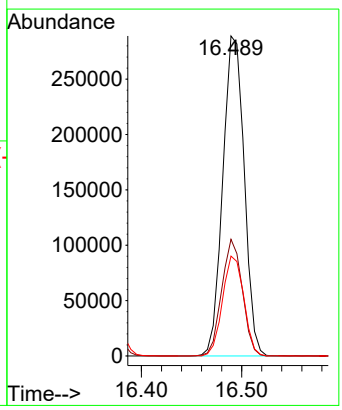
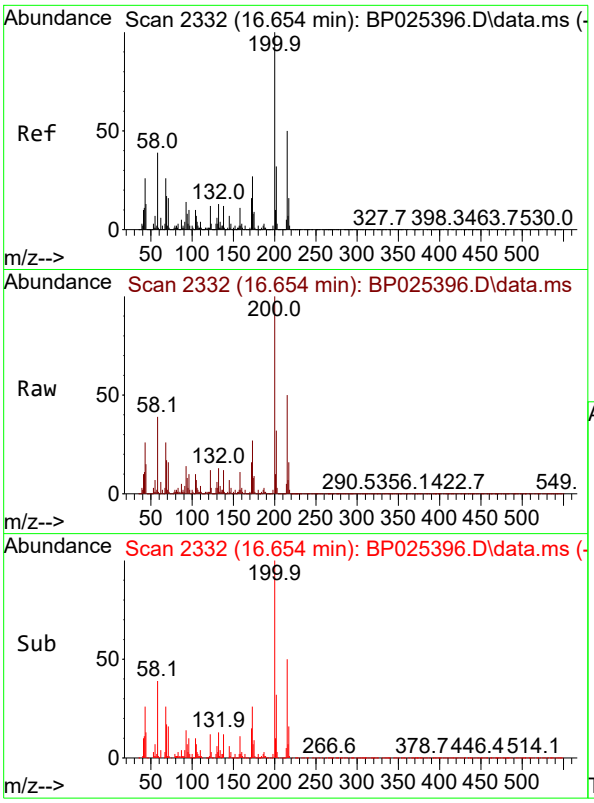


#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:284 Resp: 428361

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.1	43.7
249	31.2	25.0	37.4

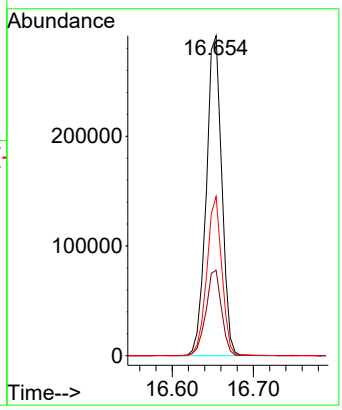




#69
Atrazine
Concen: 38.238 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:200 Resp: 38625

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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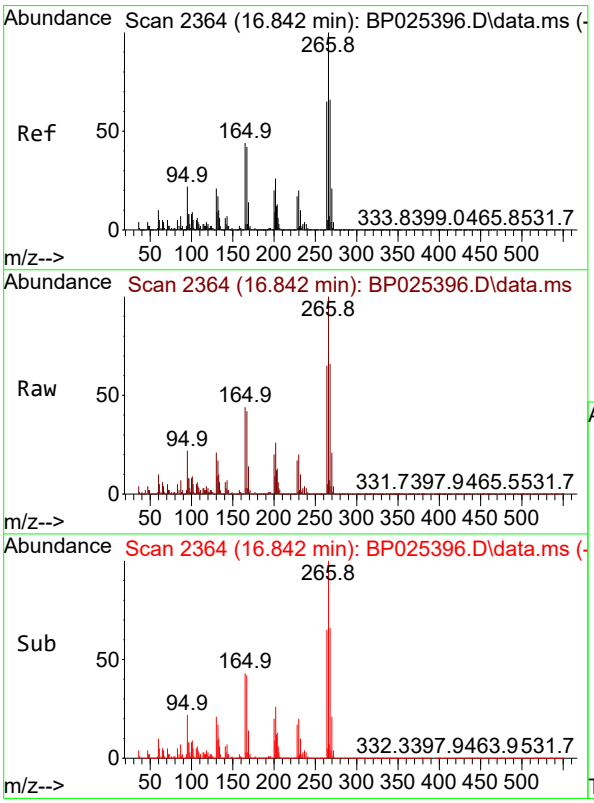
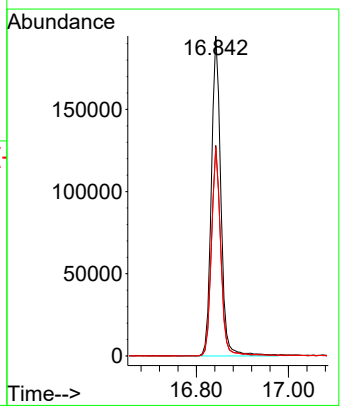
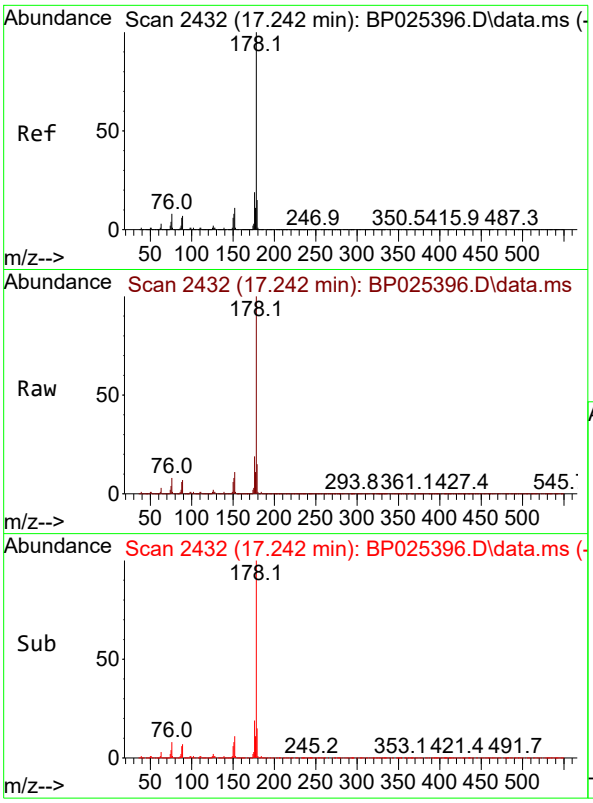


#70
Pentachlorophenol
Concen: 39.110 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:266 Resp: 278412

Ion	Ratio	Lower	Upper
266	100		
268	65.8	52.6	79.0
264	65.0	52.0	78.0





#71
Phenanthrene
Concen: 37.851 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:178 Resp: 183919

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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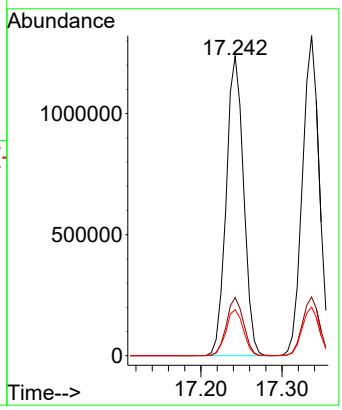
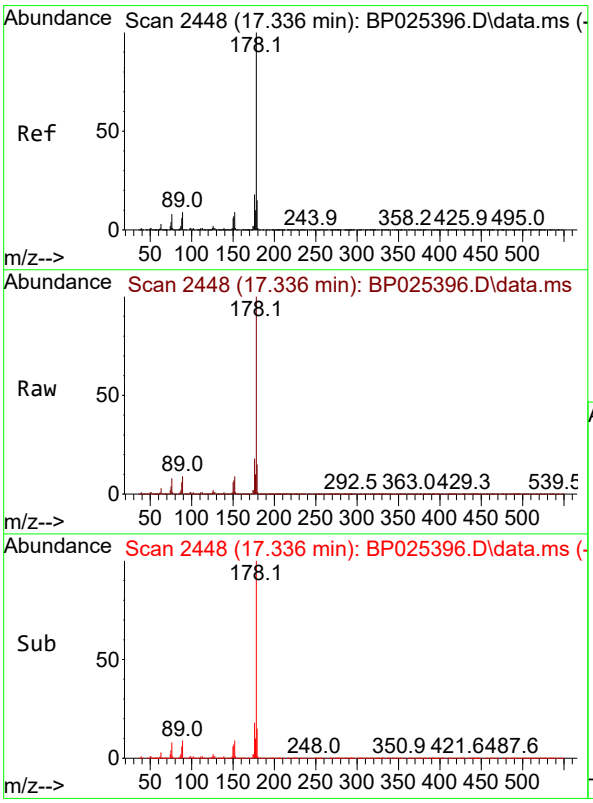
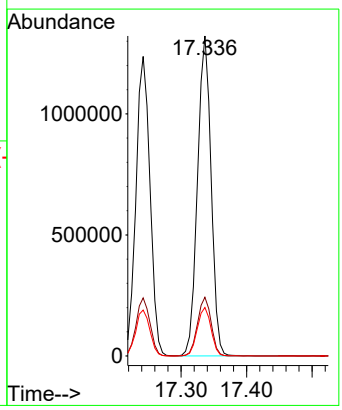


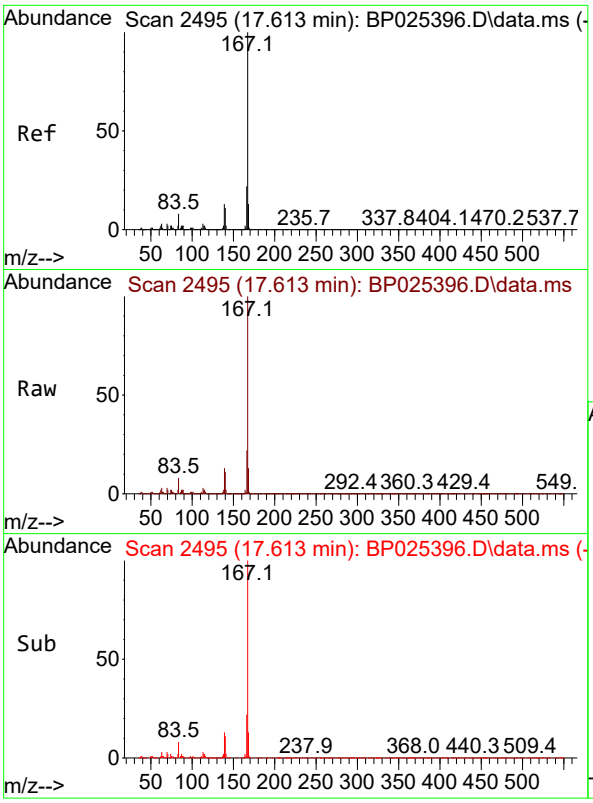


#72
Anthracene
Concen: 38.456 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:178 Resp: 1908189

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2





#73
Carbazole
Concen: 38.125 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:167 Resp: 178189

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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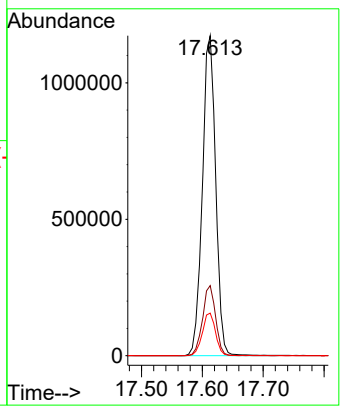
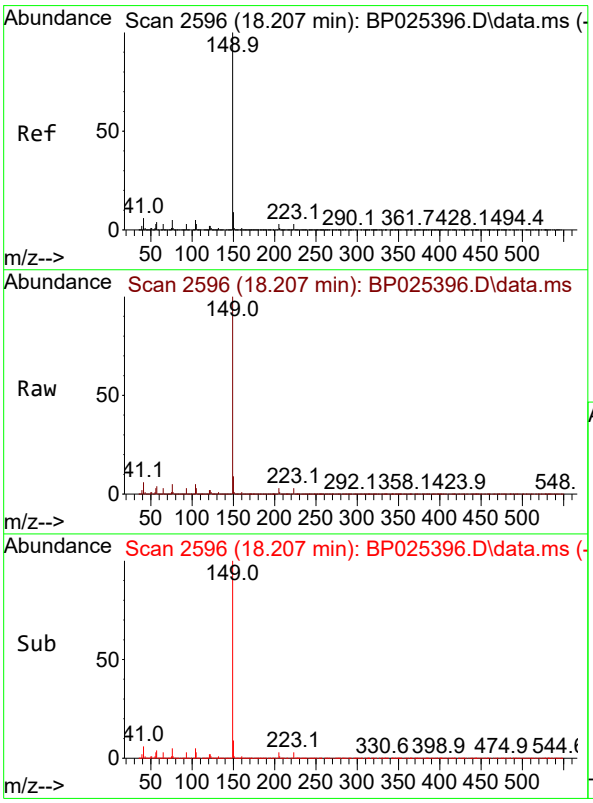
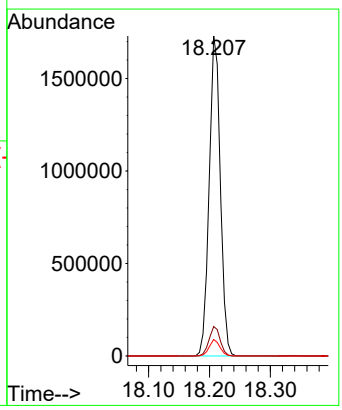


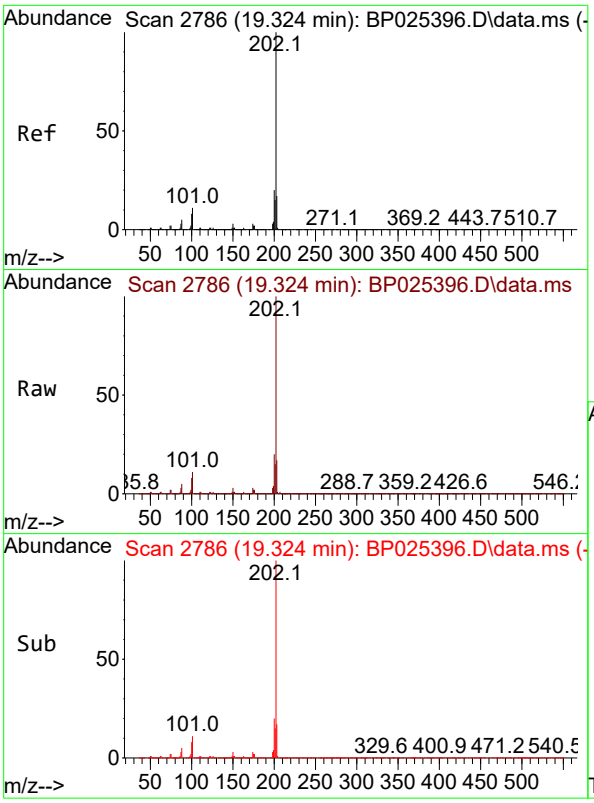


#74
Di-n-butylphthalate
Concen: 38.277 ng
RT: 18.207 min Scan# 2596
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 2201043

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2

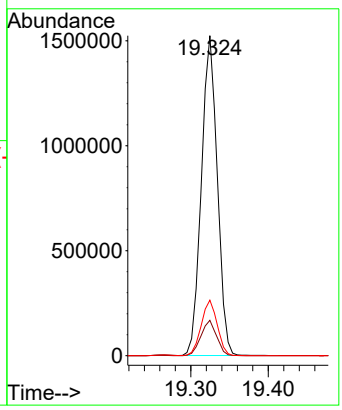




#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 217275

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.3	0.0	37.3



Instrument :
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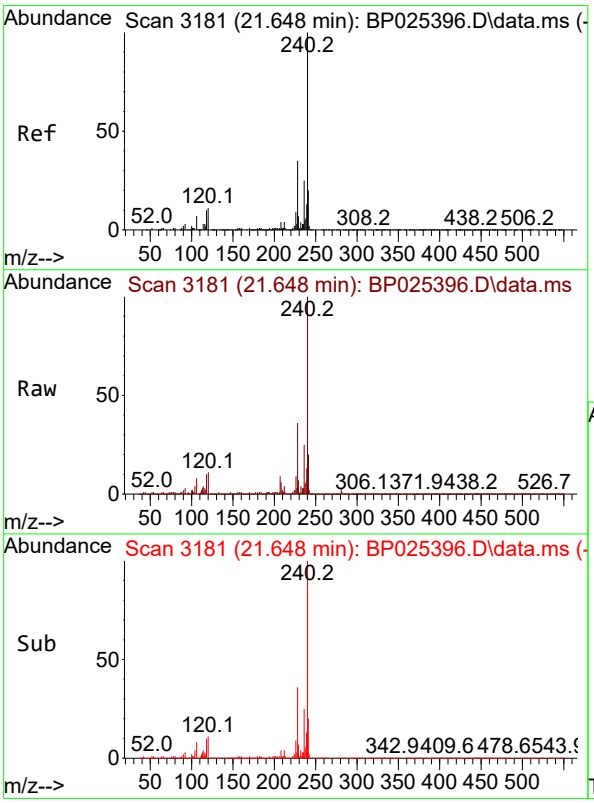
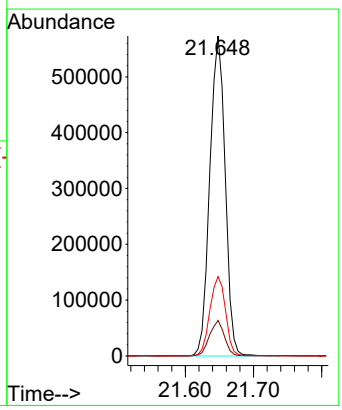
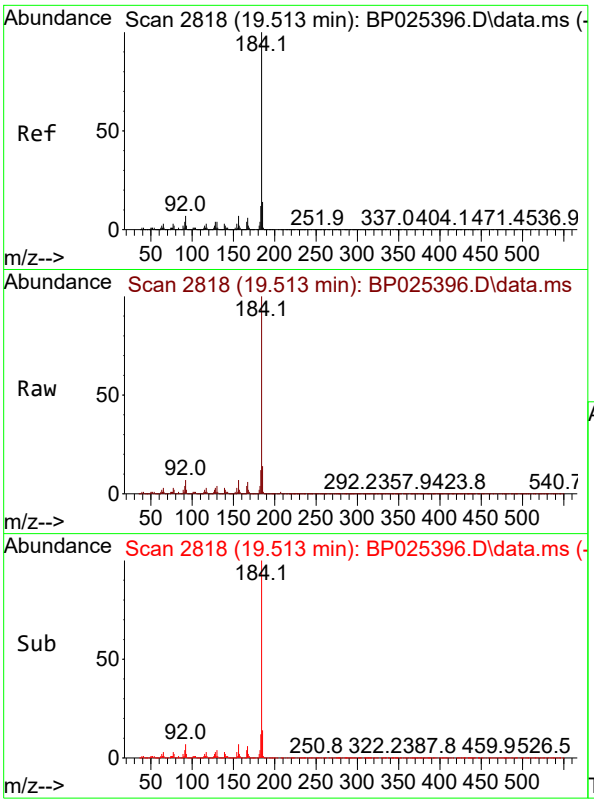


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	24.8	19.8	29.8

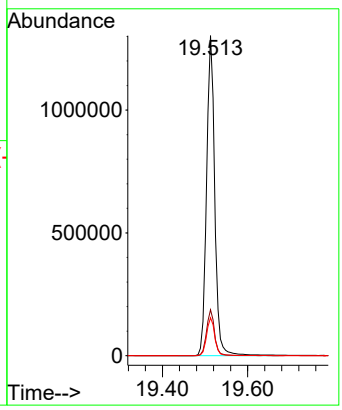




#77
Benzidine
Concen: 56.665 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 173892

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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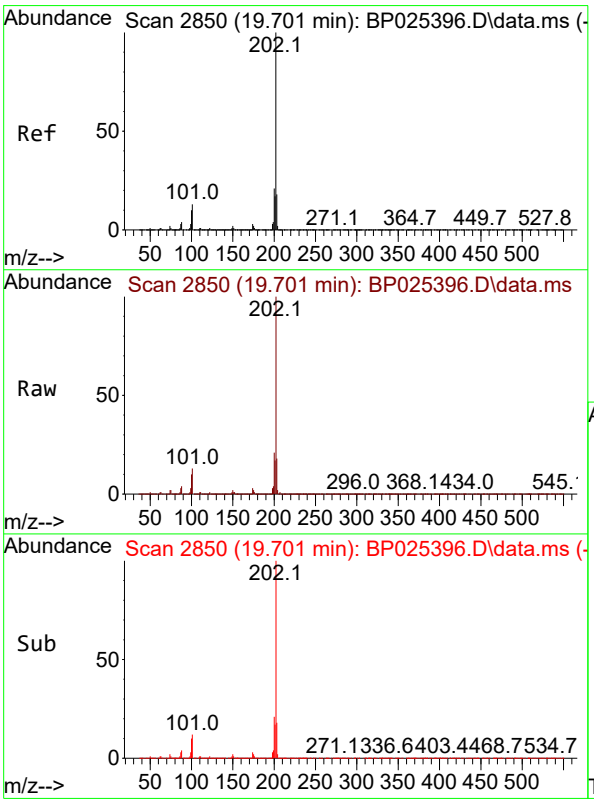
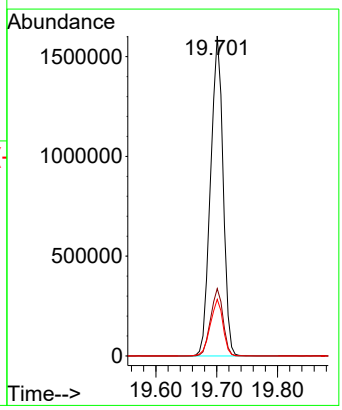
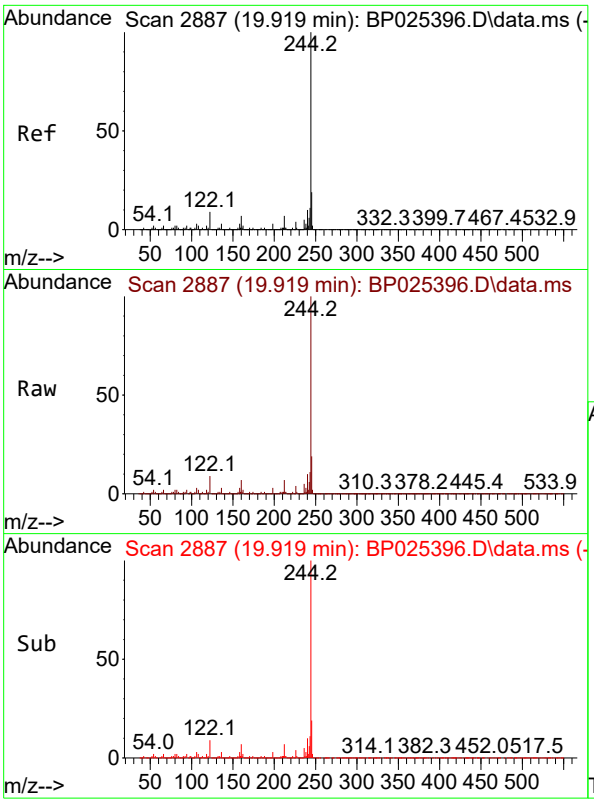


#78
Pyrene
Concen: 39.189 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 2290461

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.2	21.2

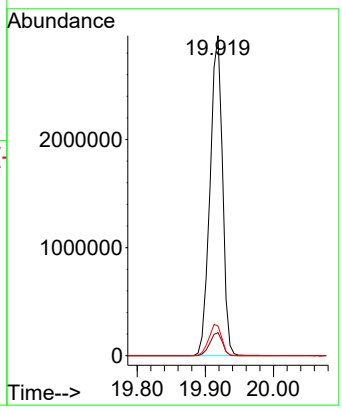




#79
Terphenyl-d14
Concen: 76.508 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:244 Resp: 376023

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.3	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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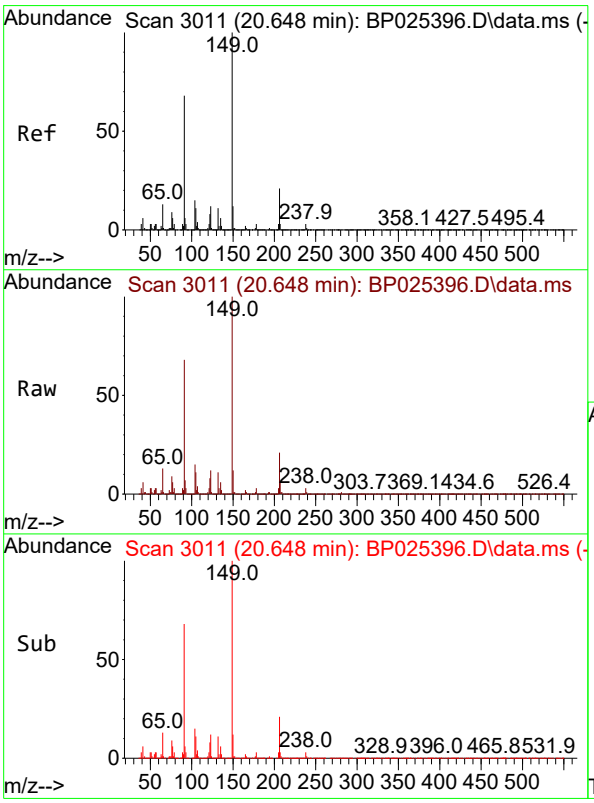
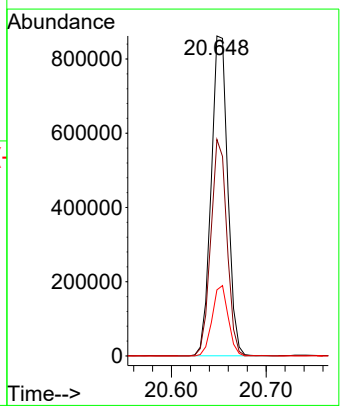
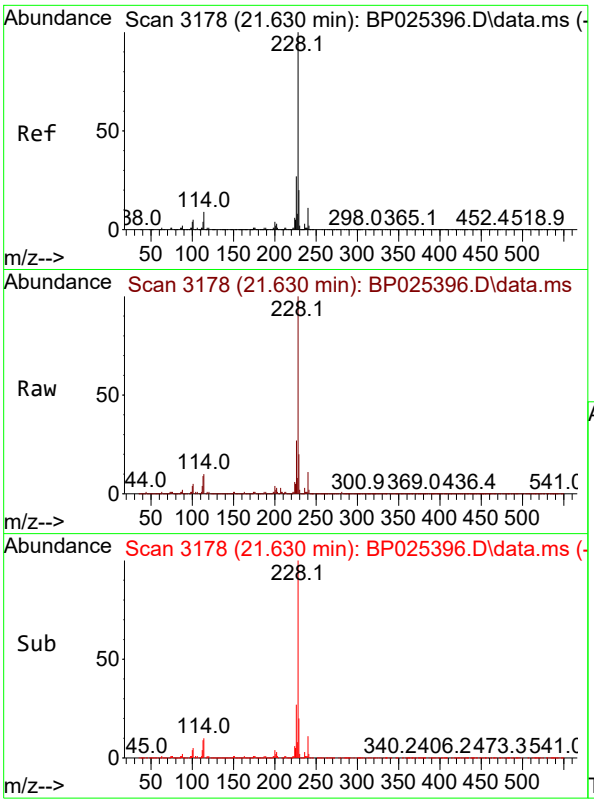


#80
Butylbenzylphthalate
Concen: 39.338 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1041998

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.7	16.6	24.8

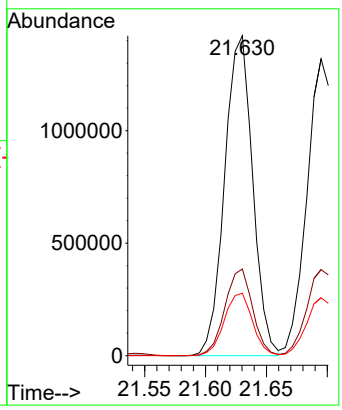




#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:228 Resp: 228077

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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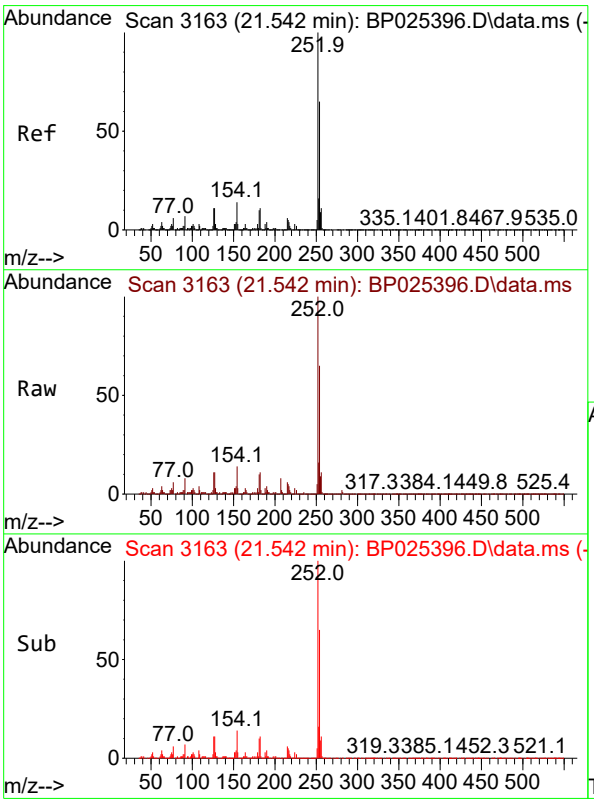
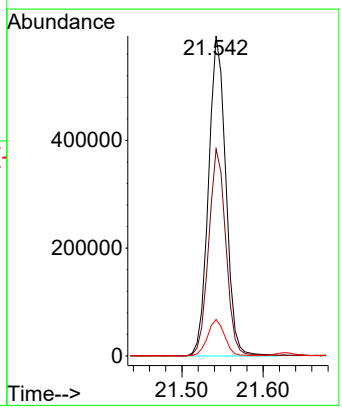
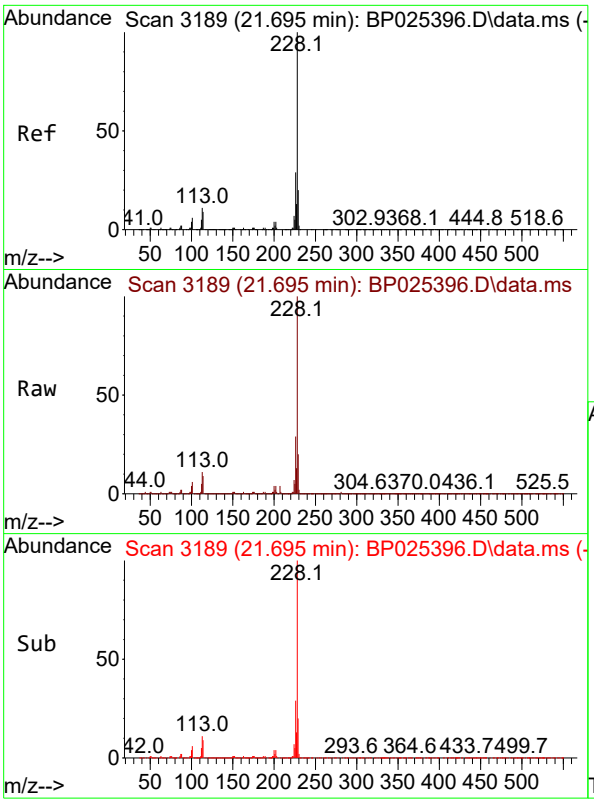


#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 877708

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	11.4	9.1	13.7

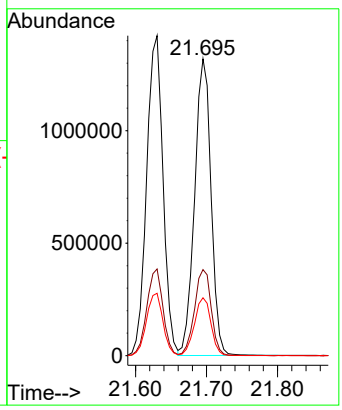




#83
Chrysene
Concen: 38.278 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:228 Resp: 212586

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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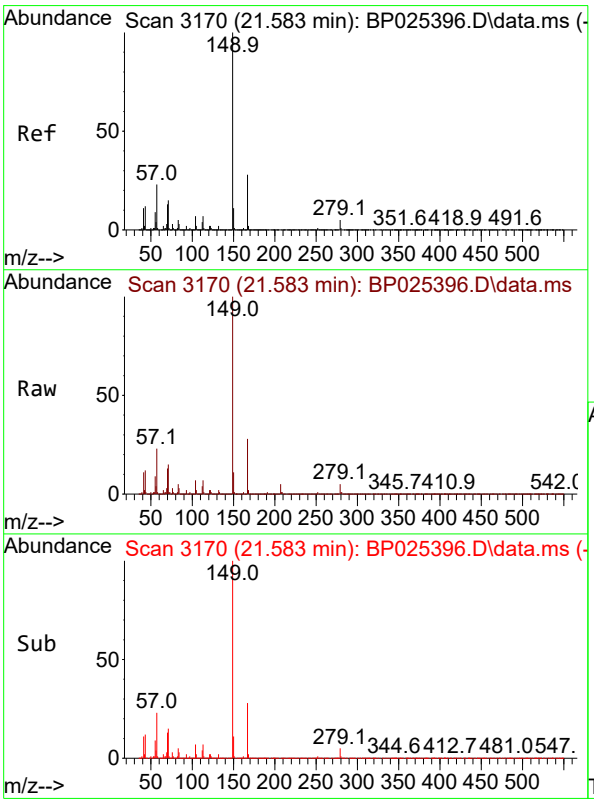
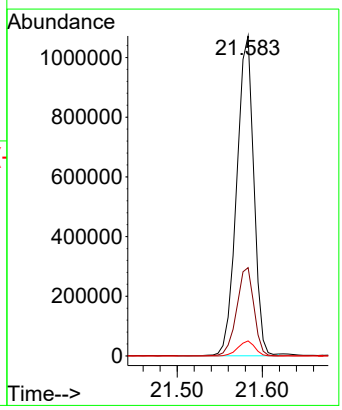
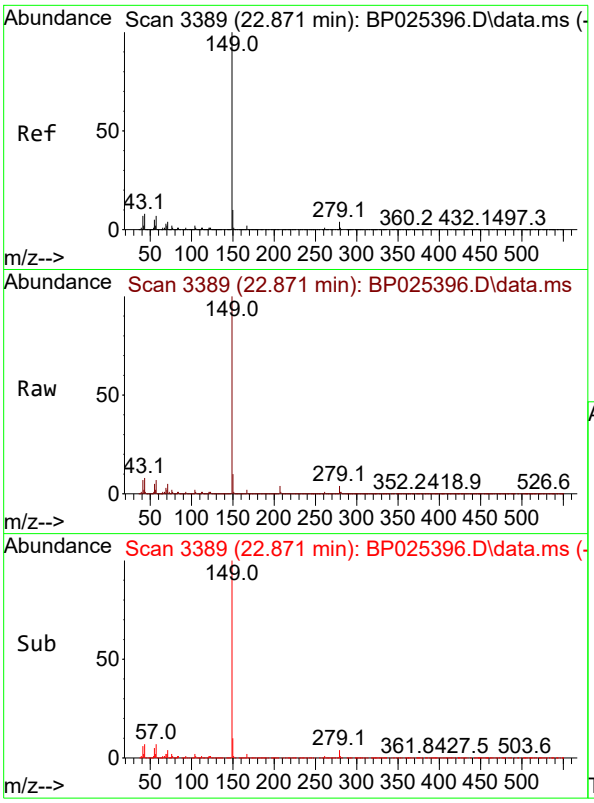


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.310 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1493804

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 259755

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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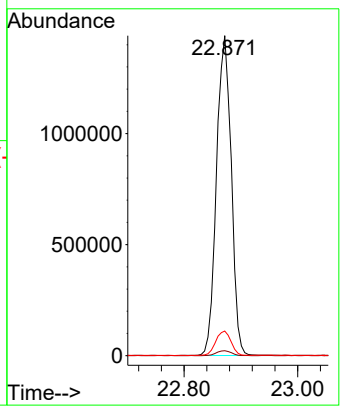
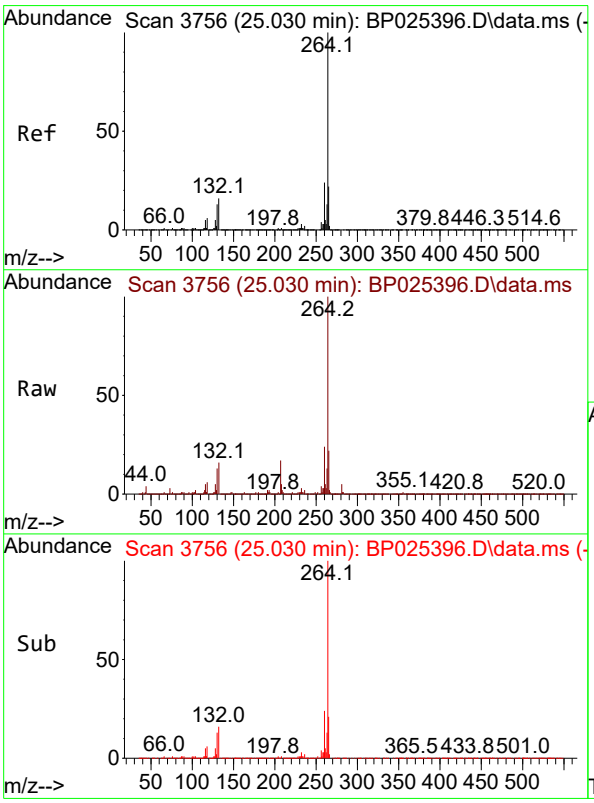
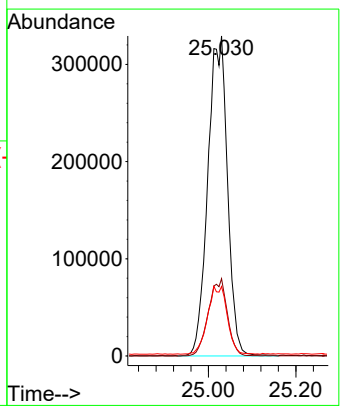


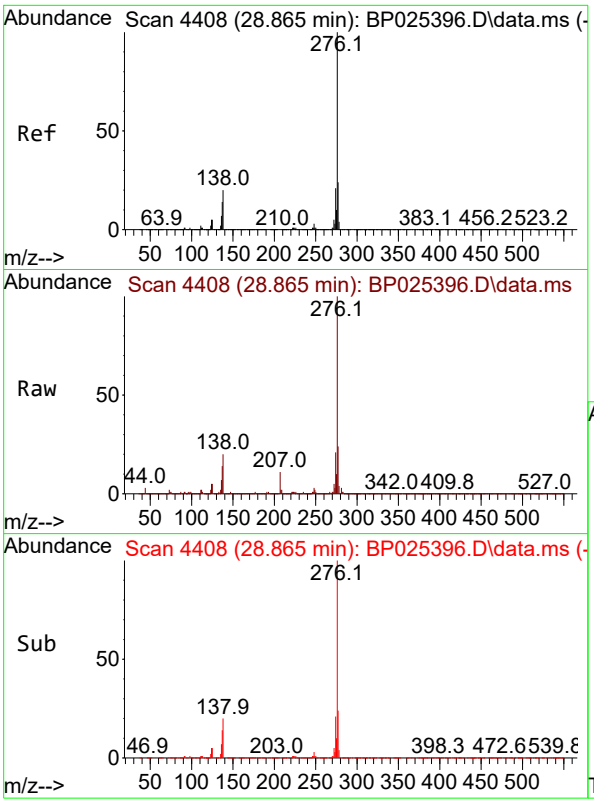


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:264 Resp: 1022138

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.7	17.4	26.0

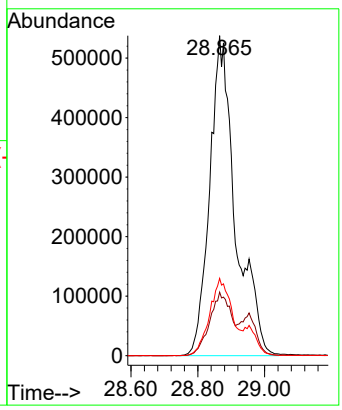




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.470 ng m
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 288471

Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	21.3	17.0	25.6



Instrument :
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ClientSampleId :
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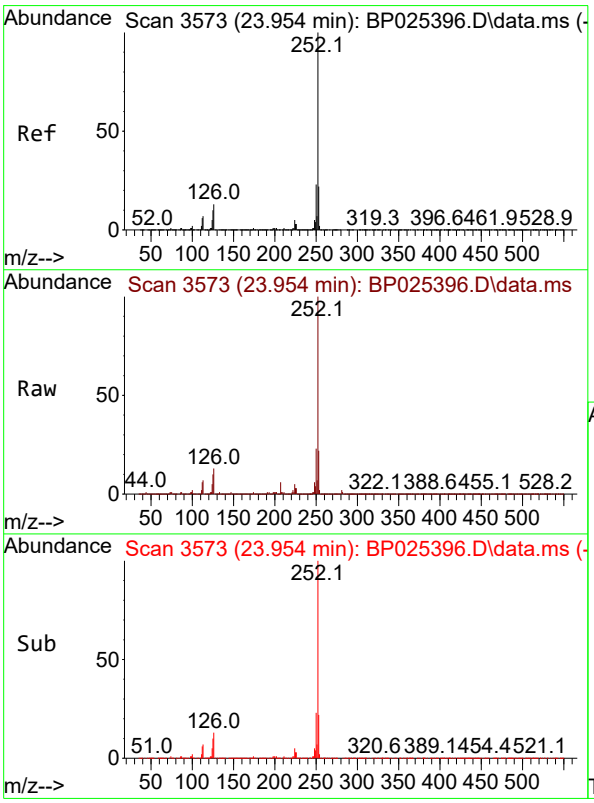
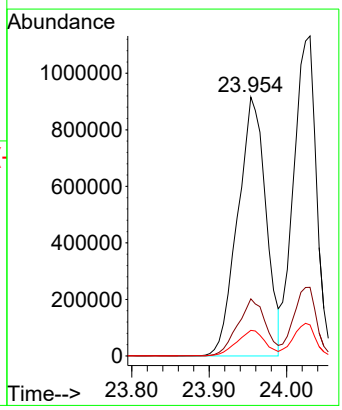
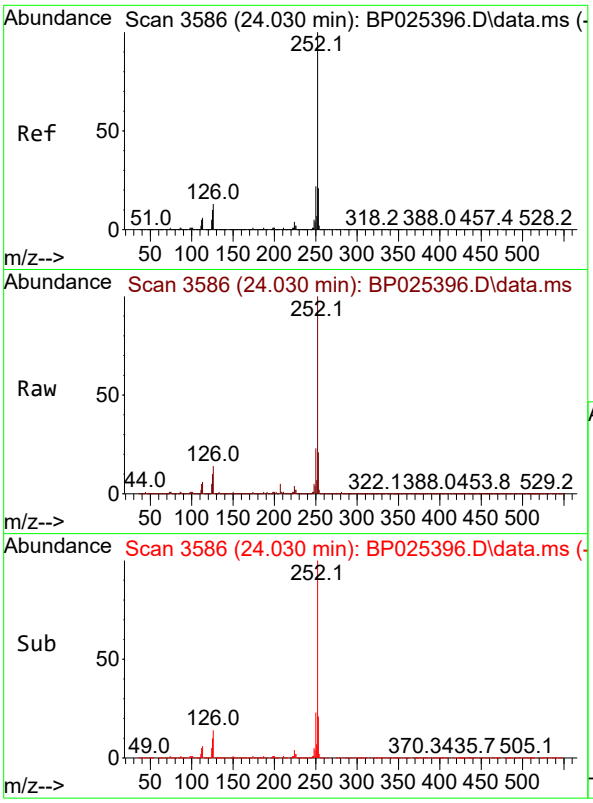


#88
Benzo(b)fluoranthene
Concen: 38.462 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2318198

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 230909

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.7	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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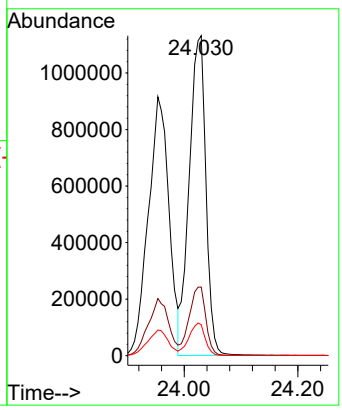
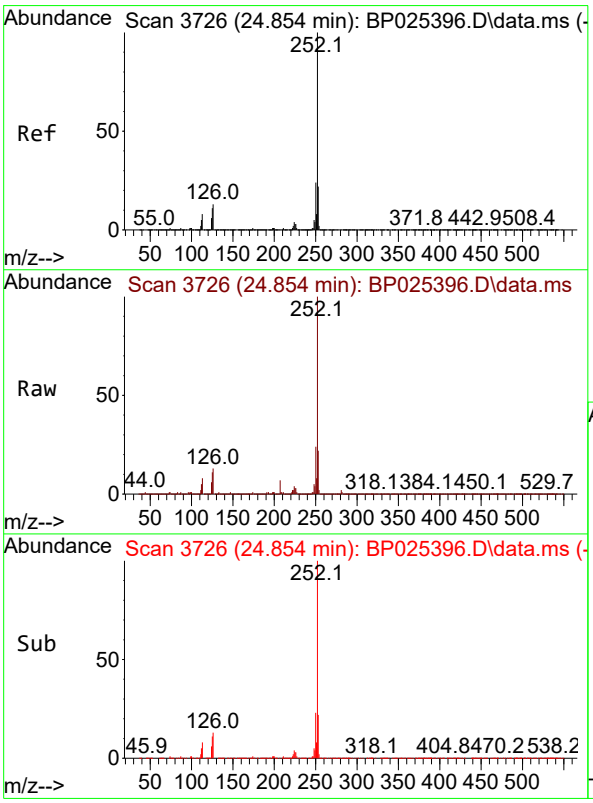
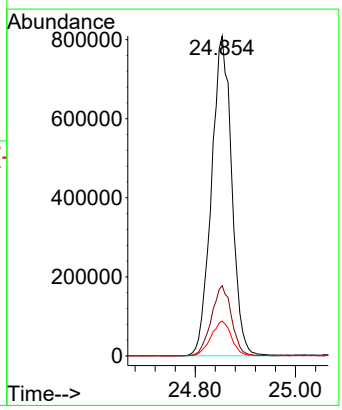


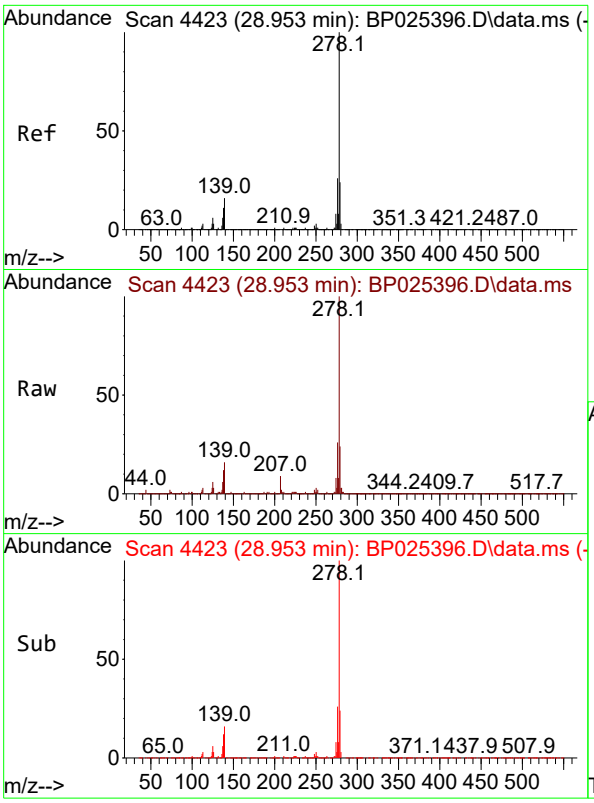


#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2265862

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1

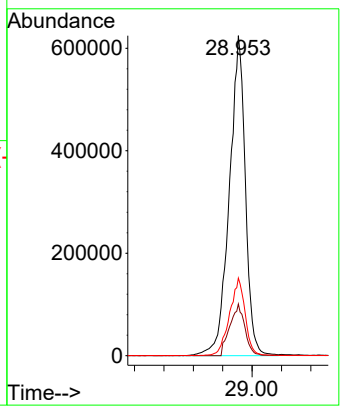




#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:278 Resp: 236384

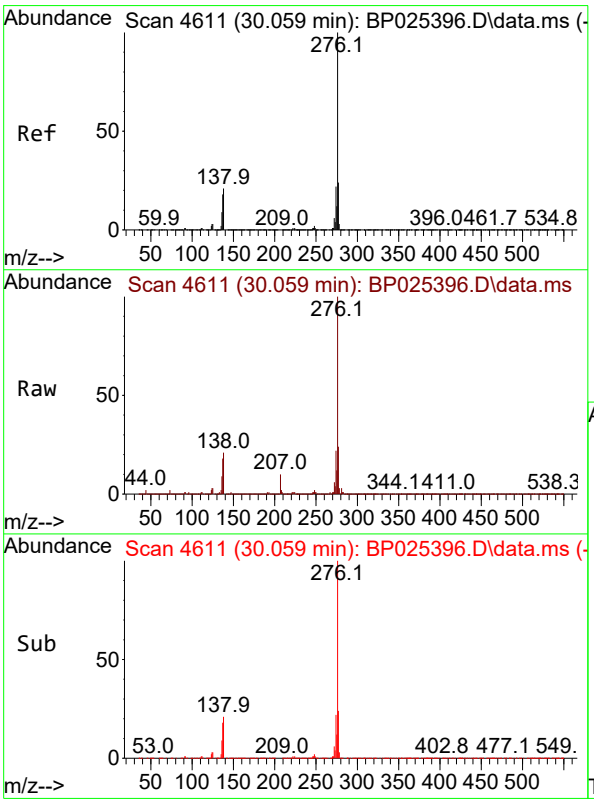
Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	24.3	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

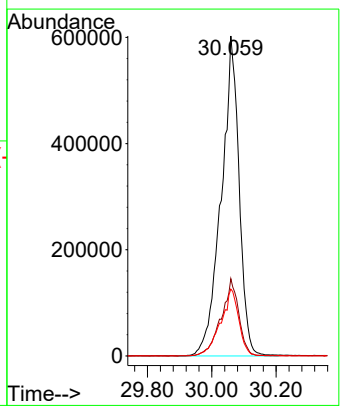
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 2327292

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	20.9	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng	99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng	99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng	99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng	98
49) Acenaphthylene	14.125	152	1875998	53.227	ng	100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng	100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng	97
52) Acenaphthene	14.472	154	1087721	52.577	ng	98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng	99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng	98
55) Dibenzofuran	14.813	168	1705630	52.147	ng	99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng	98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng	97
58) Fluorene	15.466	166	1332448	51.627	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng	99
60) Diethylphthalate	15.243	149	1450033	51.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng	99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng	99
63) Azobenzene	15.760	77	1262576	52.602	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng	98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng	99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng	97
69) Atrazine	16.654	200	451704	52.479	ng	98
70) Pentachlorophenol	16.842	266	332839	54.872	ng	97
71) Phenanthrene	17.248	178	2139431	51.673	ng	100
72) Anthracene	17.337	178	2214911	52.385	ng	100
73) Carbazole	17.613	167	2093175	52.559	ng	99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng	99
75) Fluoranthene	19.325	202	2563702	51.910	ng	99
77) Benzidine	19.513	184	1330198	48.615	ng	99
78) Pyrene	19.701	202	2644850	50.754	ng	100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng	98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng	99
83) Chrysene	21.701	228	2565856	51.817	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng	100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng	100
87) Indeno(1,2,3-cd)pyrene	28.859	276	3604179m	53.463	ng	
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng	100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng	99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2866689m	52.960	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

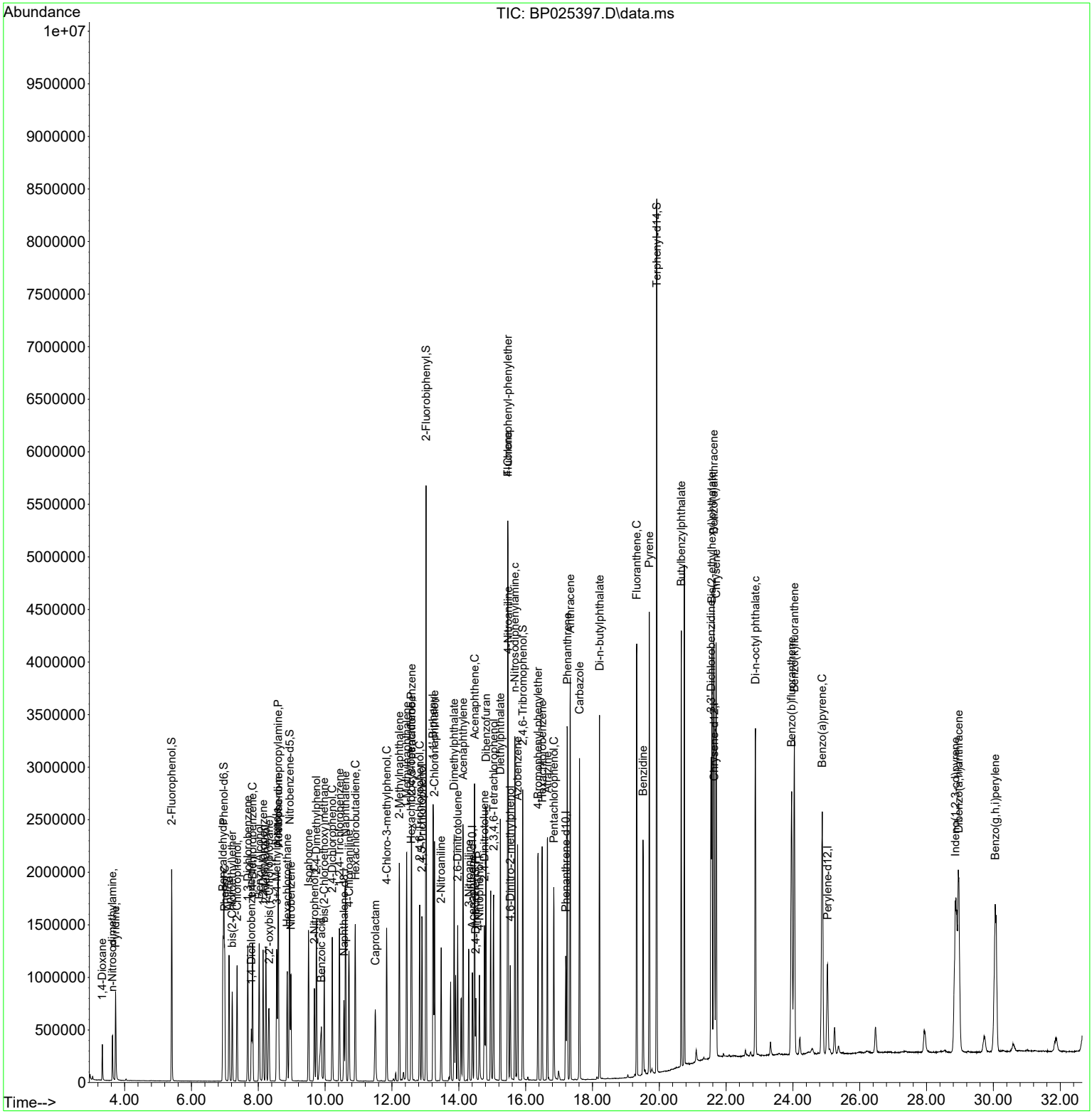
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

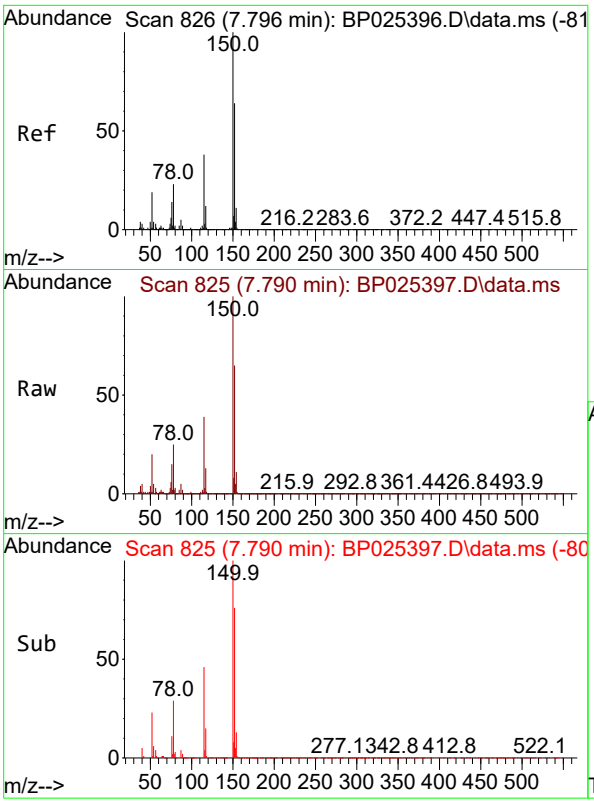
Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

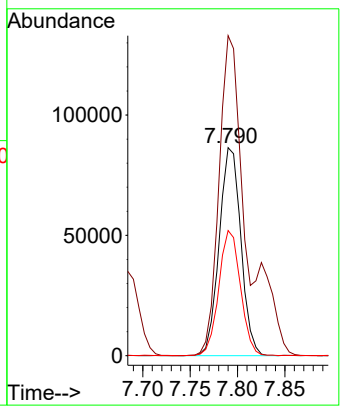




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:152 Resp: 13794

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	60.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
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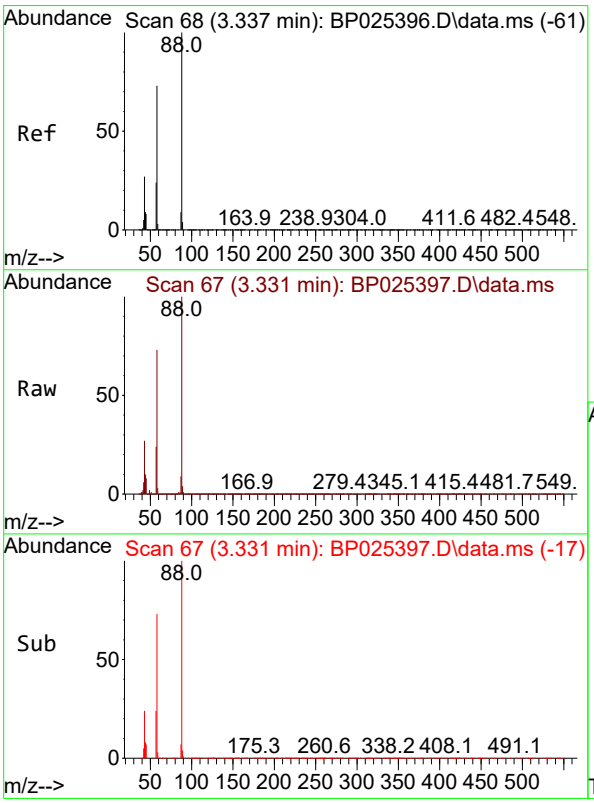
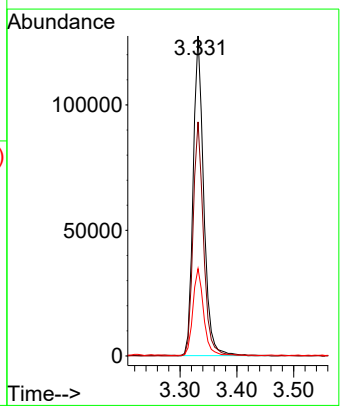
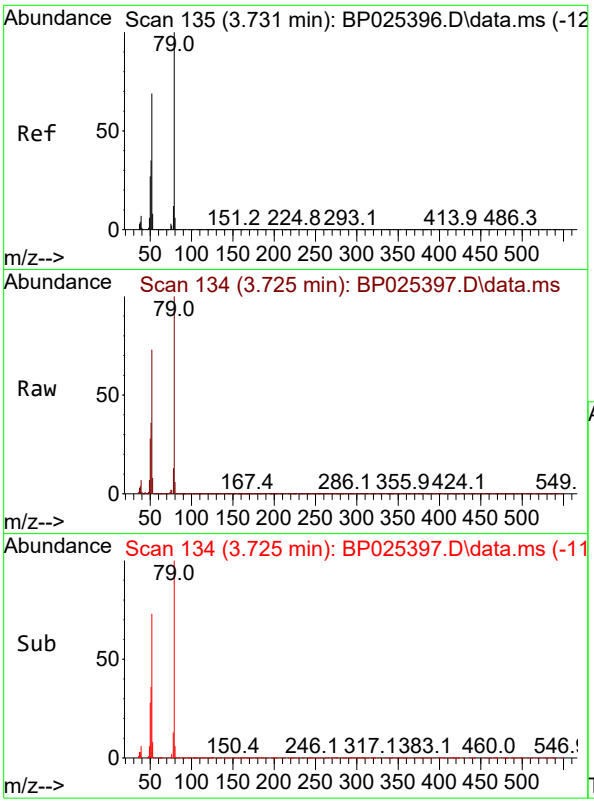


#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 88 Resp: 165184

Ion	Ratio	Lower	Upper
88	100		
58	72.6	59.2	88.8
43	27.8	21.7	32.5

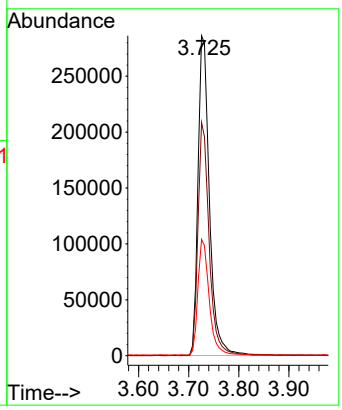




#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 79 Resp: 45402

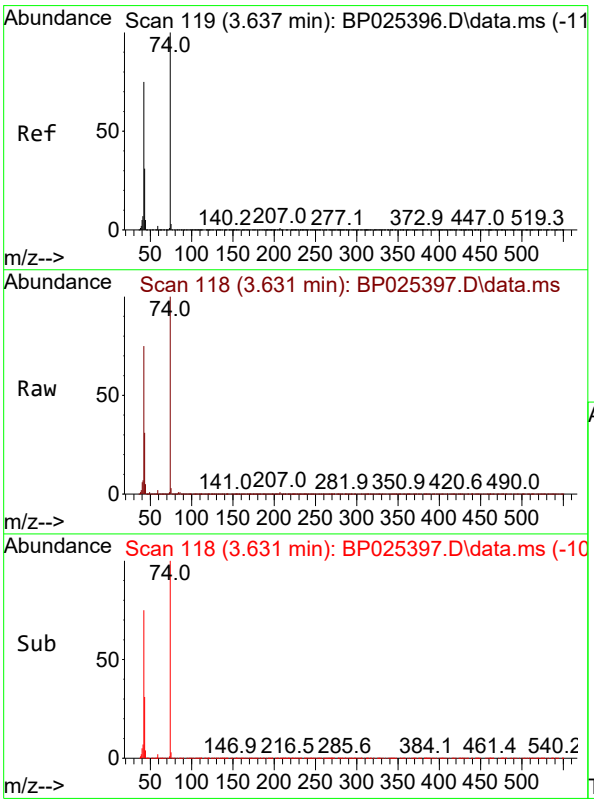
Ion	Ratio	Lower	Upper
79	100		
52	72.9	55.5	83.3
51	36.3	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

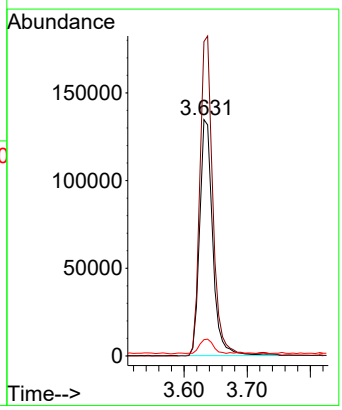
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

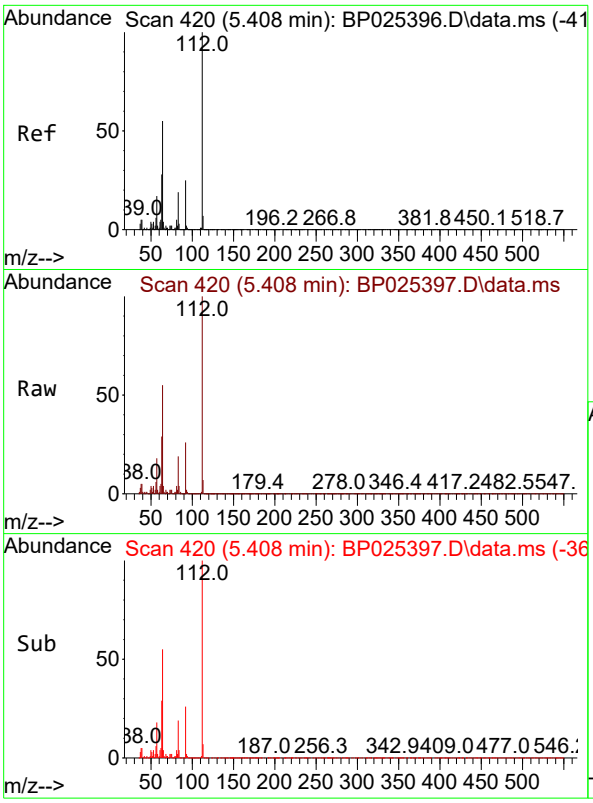


#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 42 Resp: 192837

Ion	Ratio	Lower	Upper
42	100		
74	133.0	107.0	160.4
44	6.9	6.2	9.4

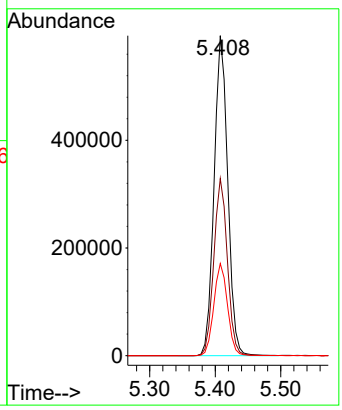




#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:112 Resp: 85525

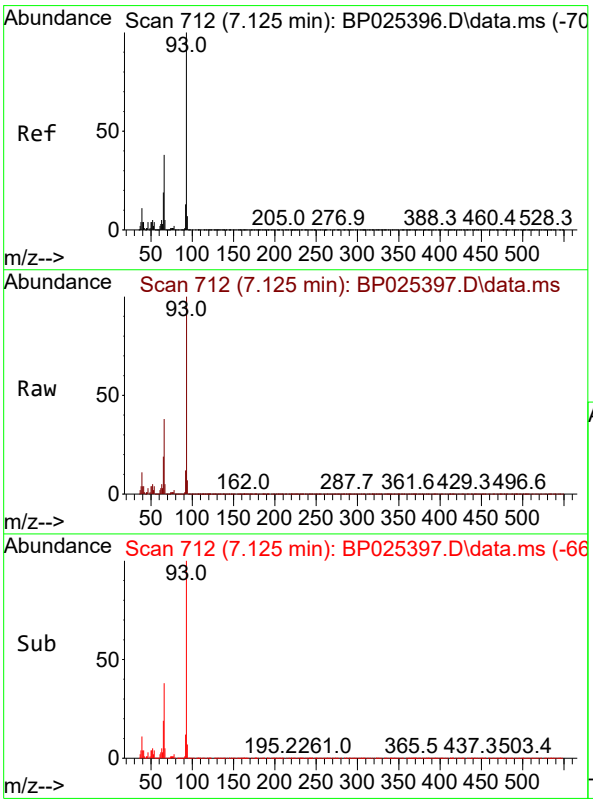
Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.8	65.8
63	28.8	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

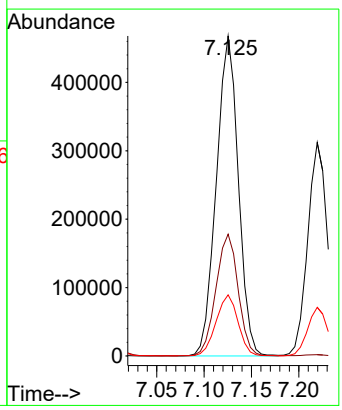
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

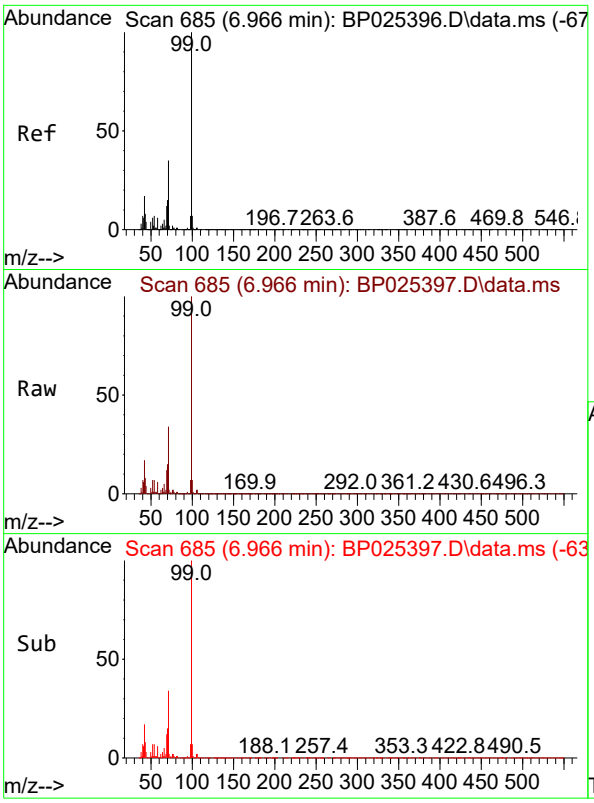


#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9

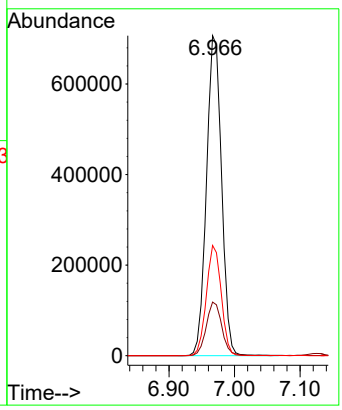




#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 99 Resp: 113186

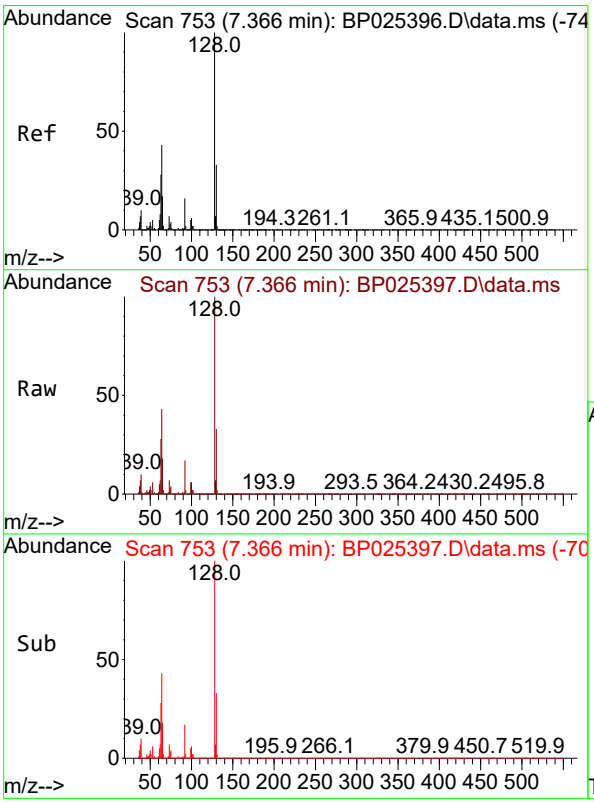
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	34.4	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

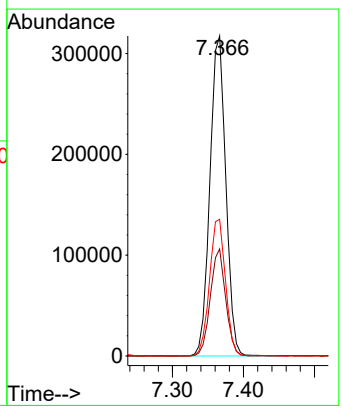
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

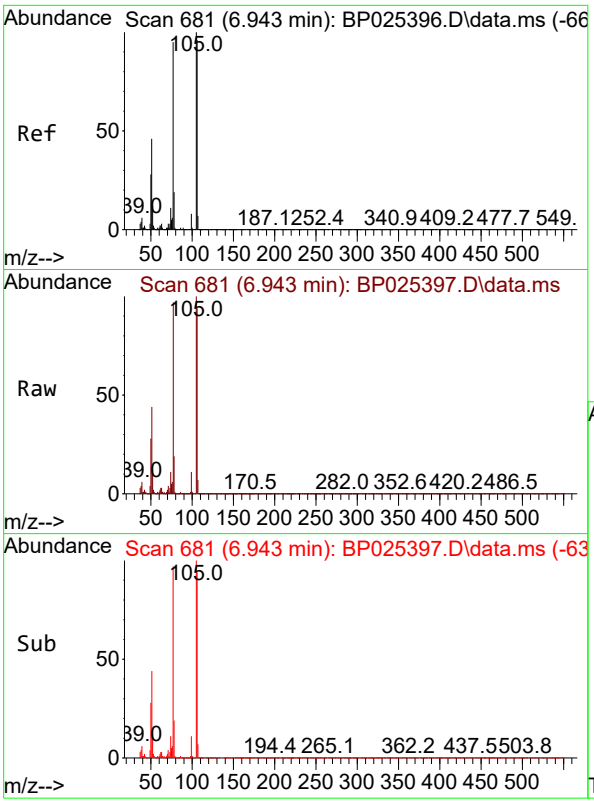


#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 492570

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	42.7	23.4	63.4

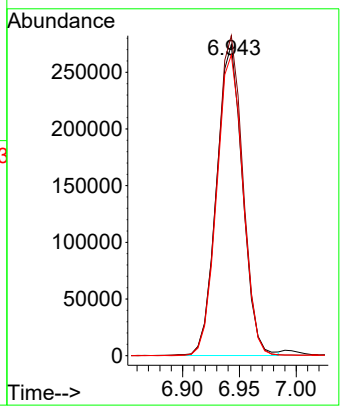




#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 43517

Ion	Ratio	Lower	Upper
77	100		
105	102.9	84.8	124.8
106	96.7	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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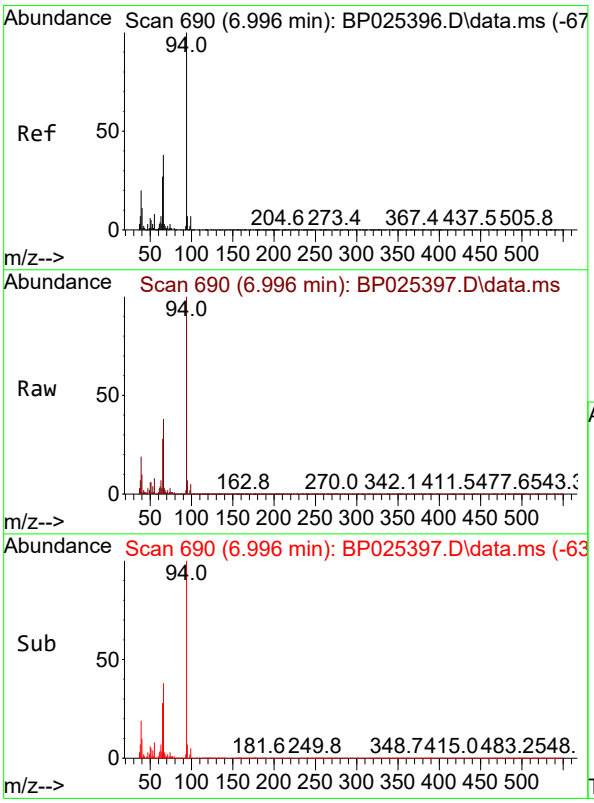
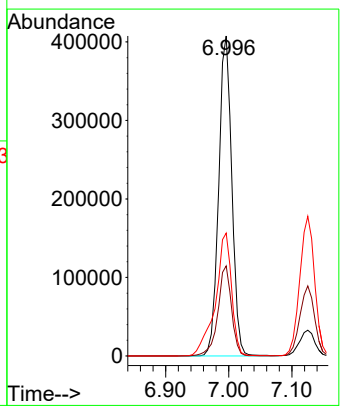
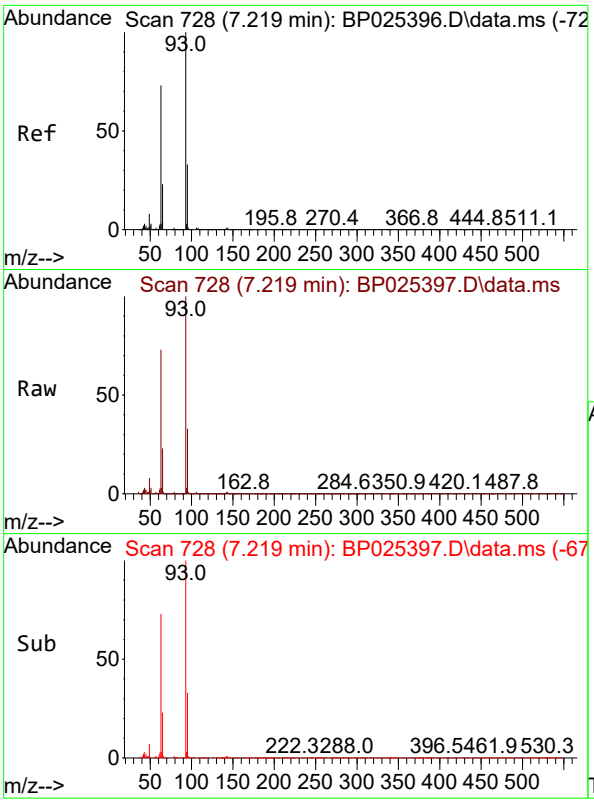


#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	38.4	18.2	58.2

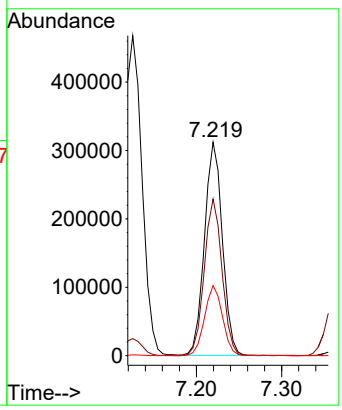




#11
bis(2-Chloroethyl)ether
Concen: 52.320 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 45569

Ion	Ratio	Lower	Upper
93	100		
63	73.4	52.6	92.6
95	32.9	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
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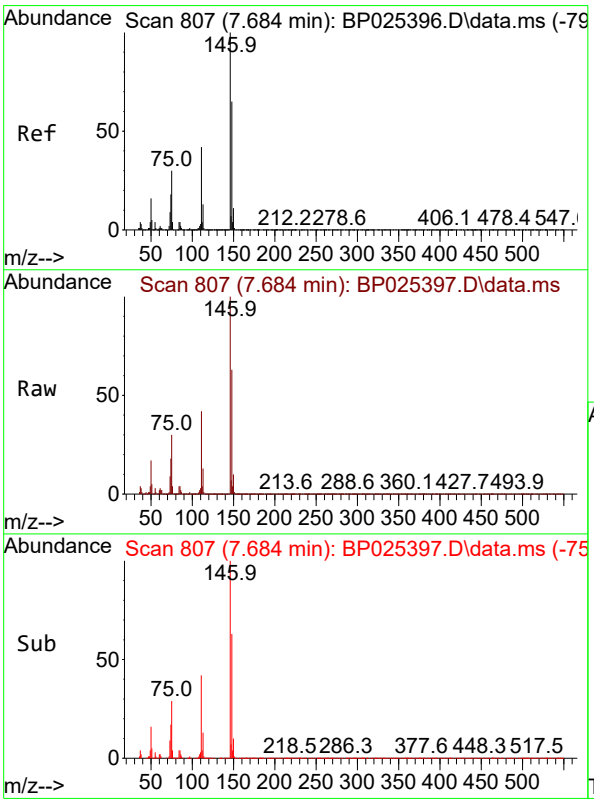
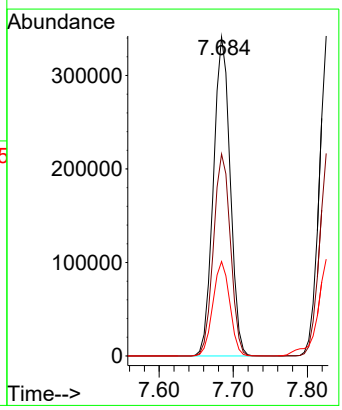
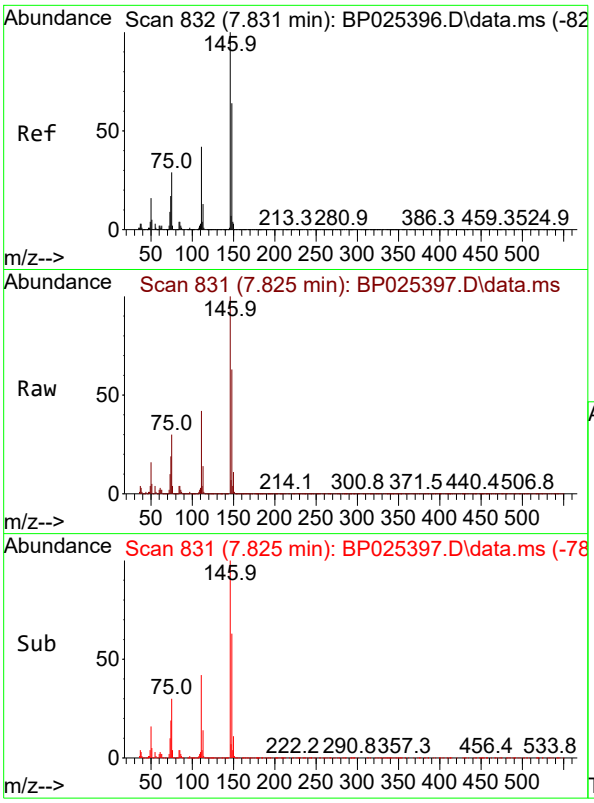


#12
1,3-Dichlorobenzene
Concen: 51.884 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 536261

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
75	29.6	23.7	35.5

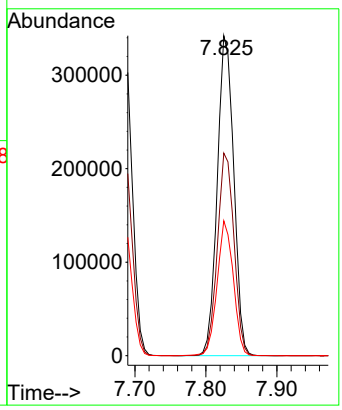




#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 55054

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	42.2	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
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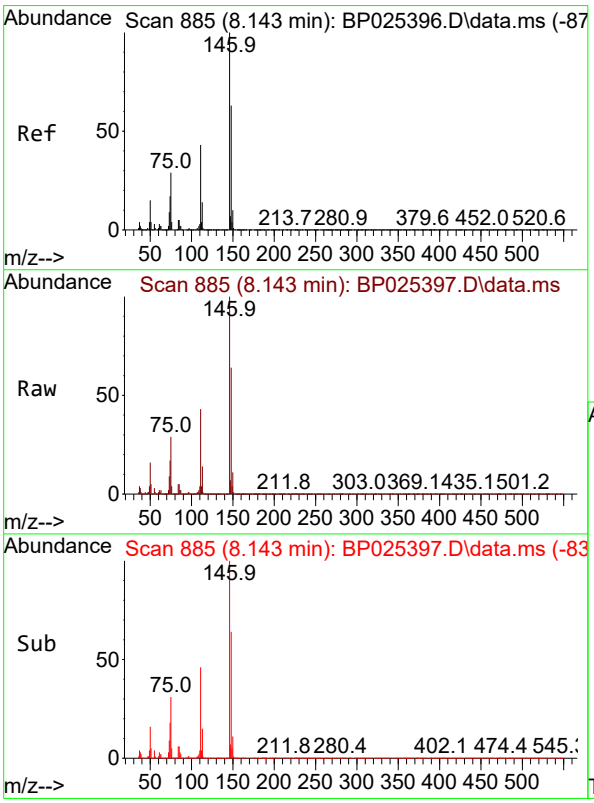
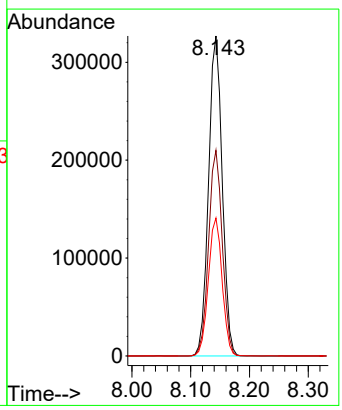
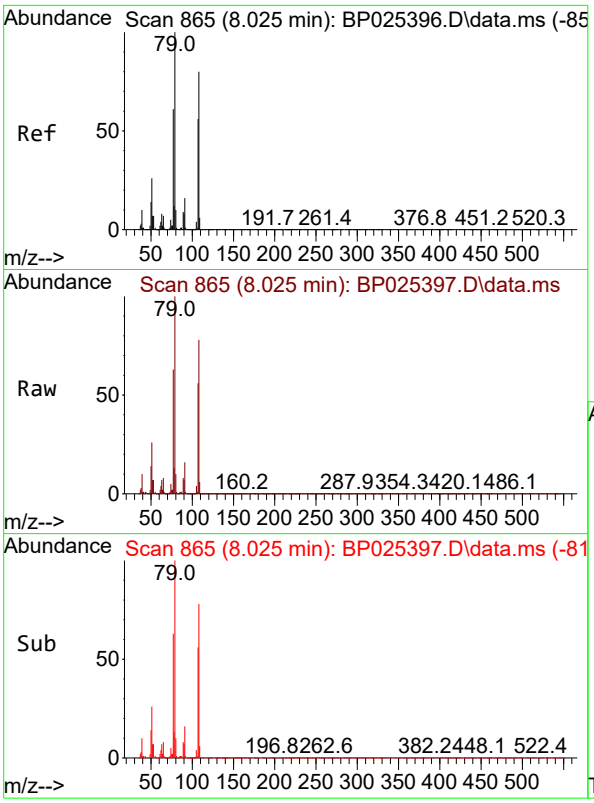


#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 528750

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.1	34.5	51.7

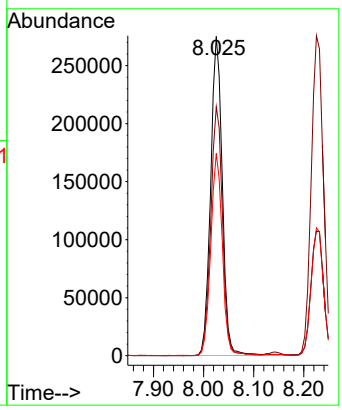




#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 79 Resp: 44388

Ion	Ratio	Lower	Upper
79	100		
108	77.9	63.8	95.6
77	63.4	49.0	73.4



Instrument :
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ClientSampleId :
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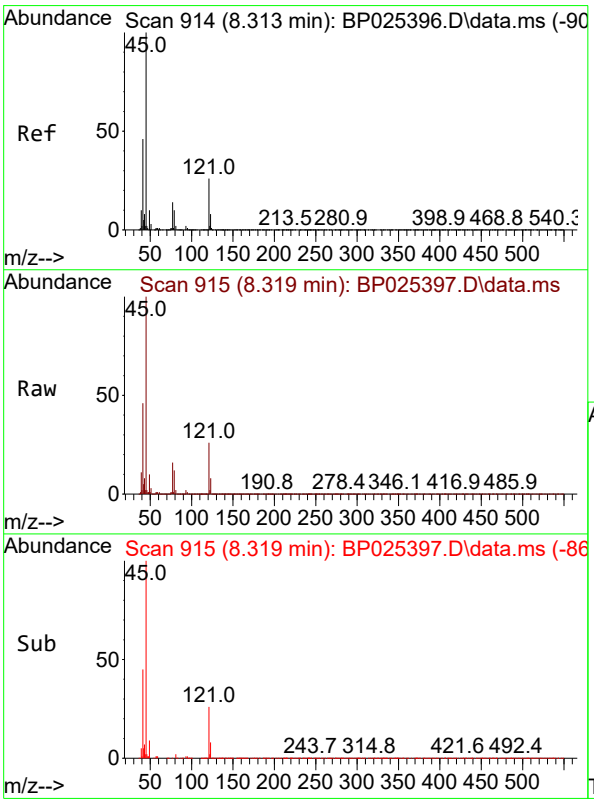
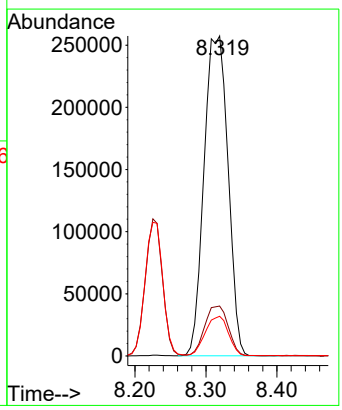
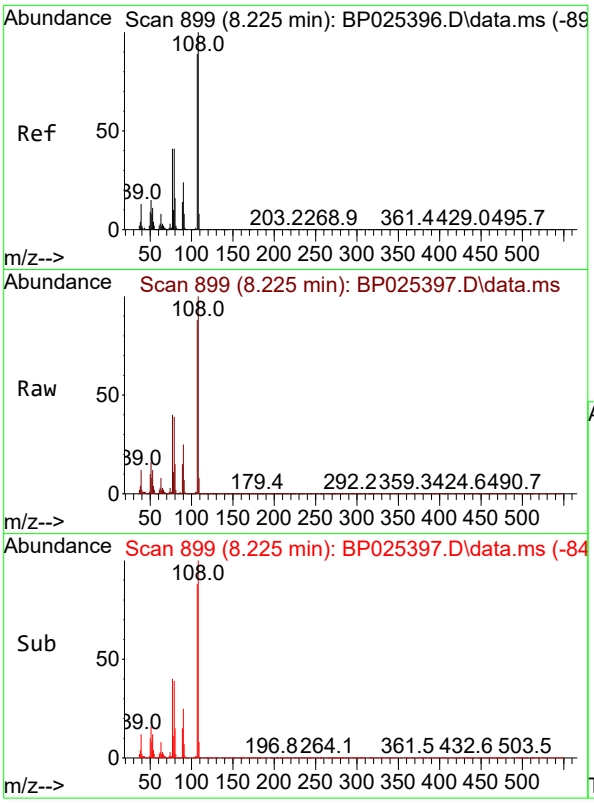


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 45 Resp: 603716

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.4	0.0	31.8

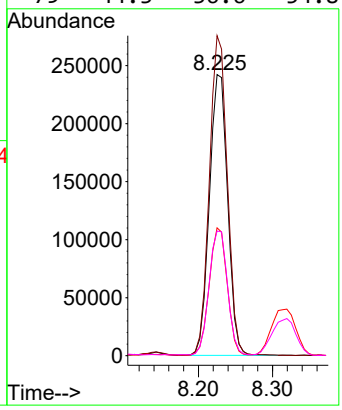




#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 41297

Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
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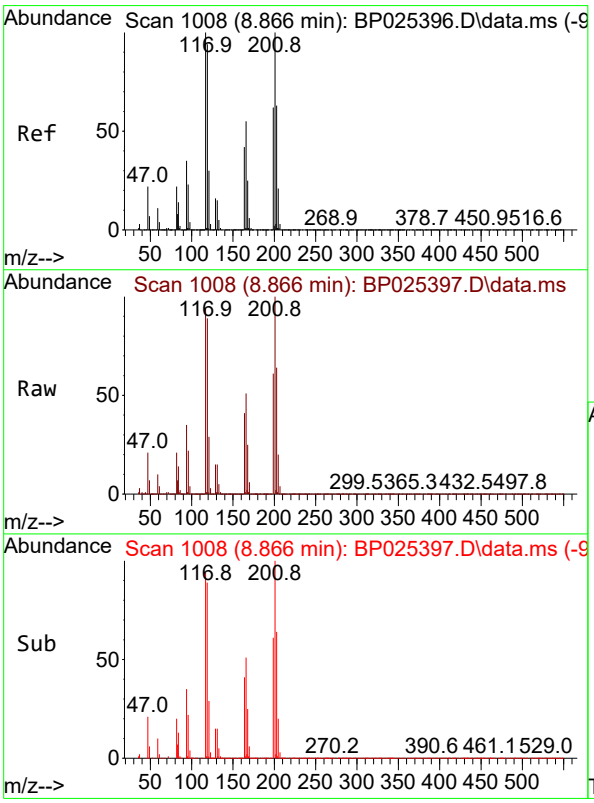
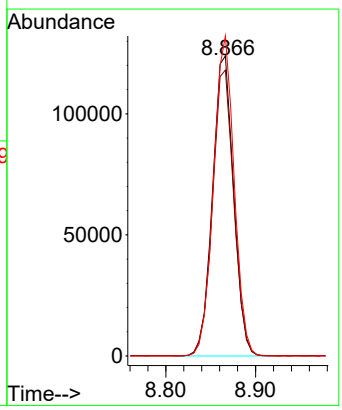
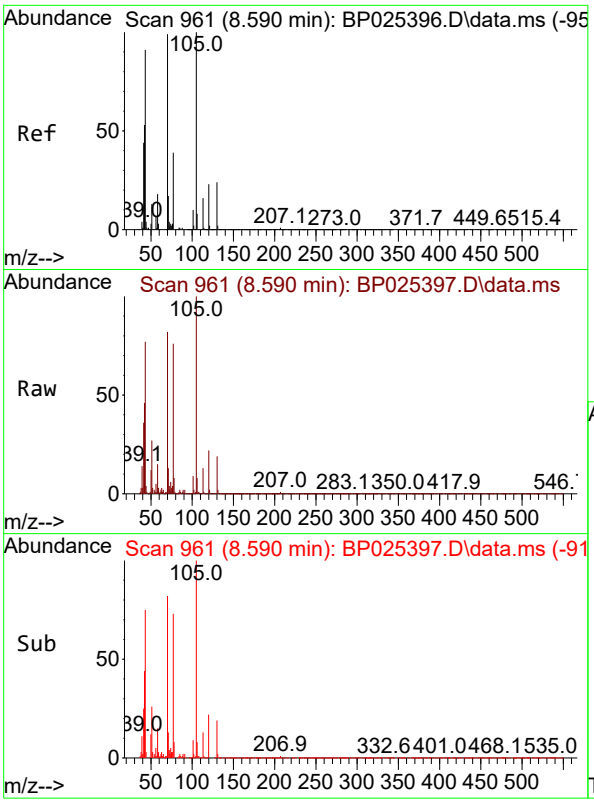


#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:117 Resp: 202672

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1

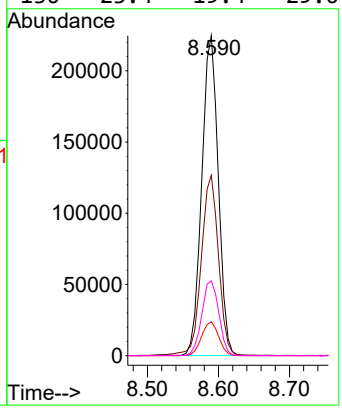




#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 70 Resp: 36315

Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.8	65.6
101	10.6	8.5	12.7
130	23.4	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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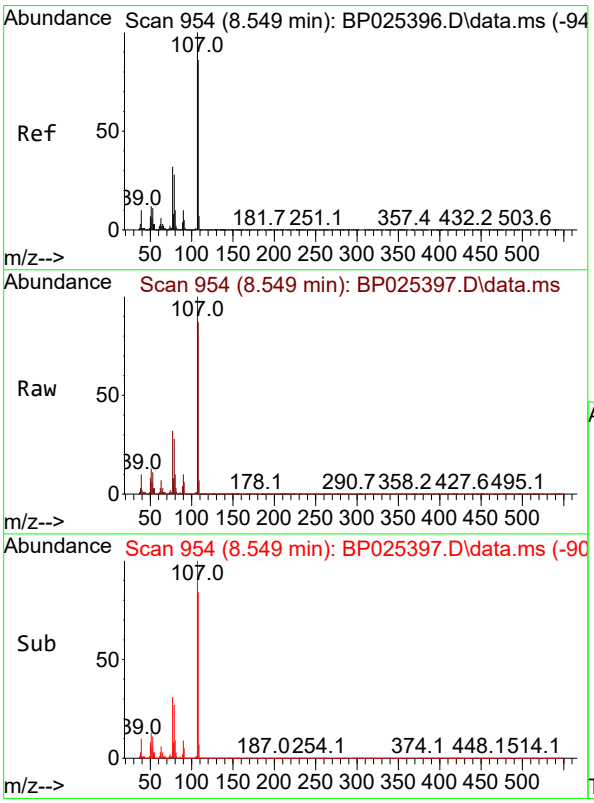
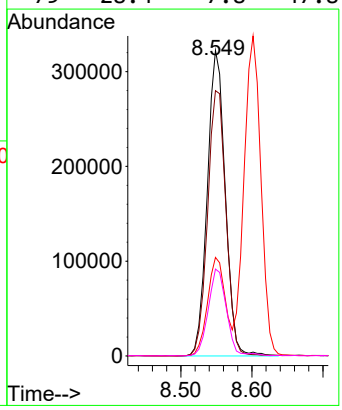
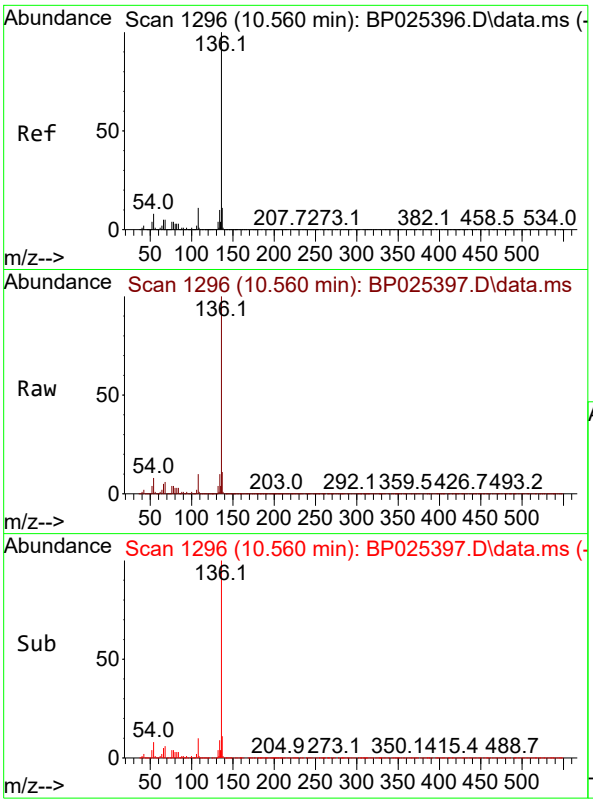


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 565208

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.3	106.3
77	32.2	12.3	52.3
79	28.4	7.8	47.8

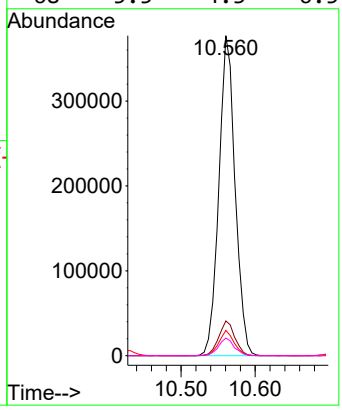




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:136 Resp: 57391

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
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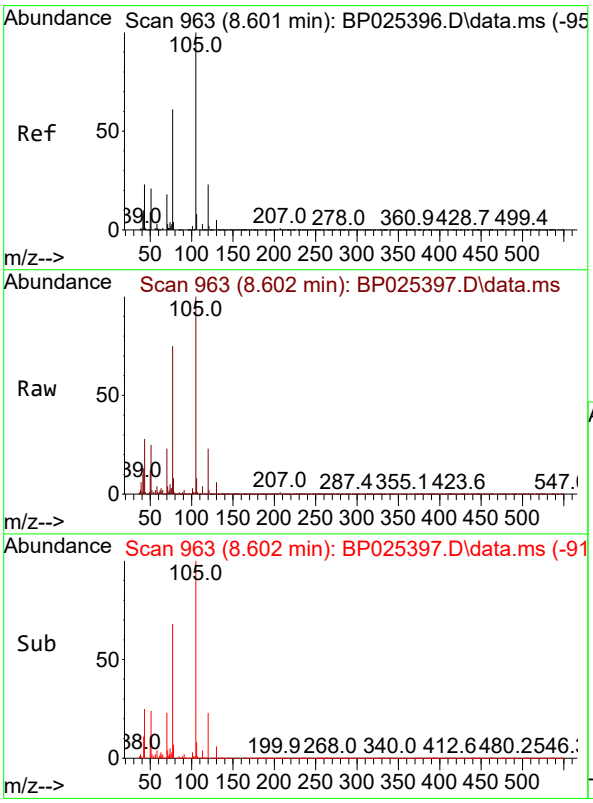
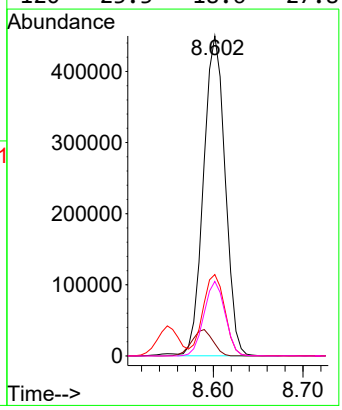
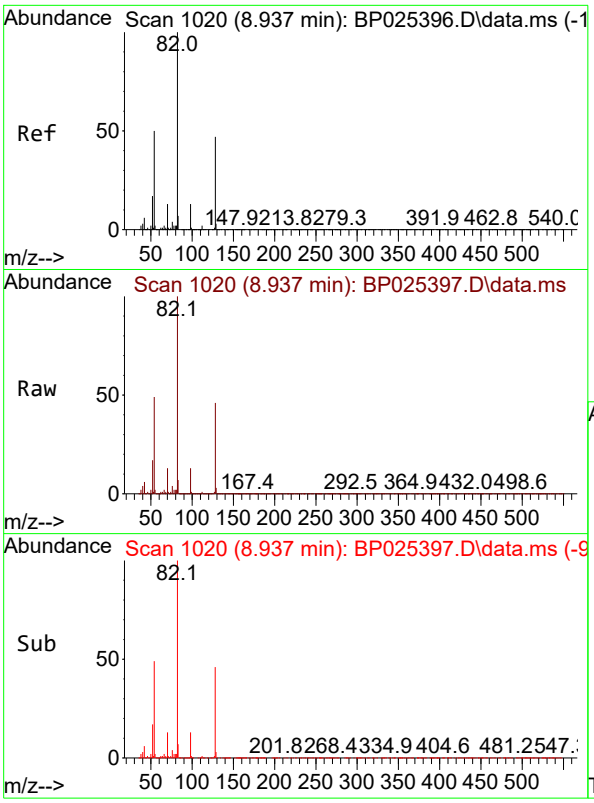


#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:105 Resp: 750308

Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8

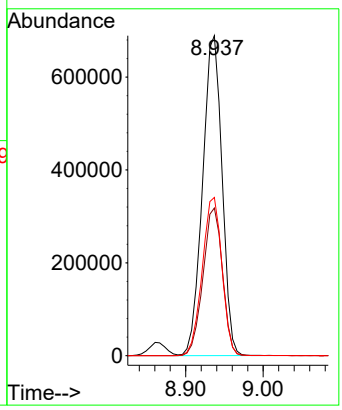




#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 82 Resp: 120160

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	49.4	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
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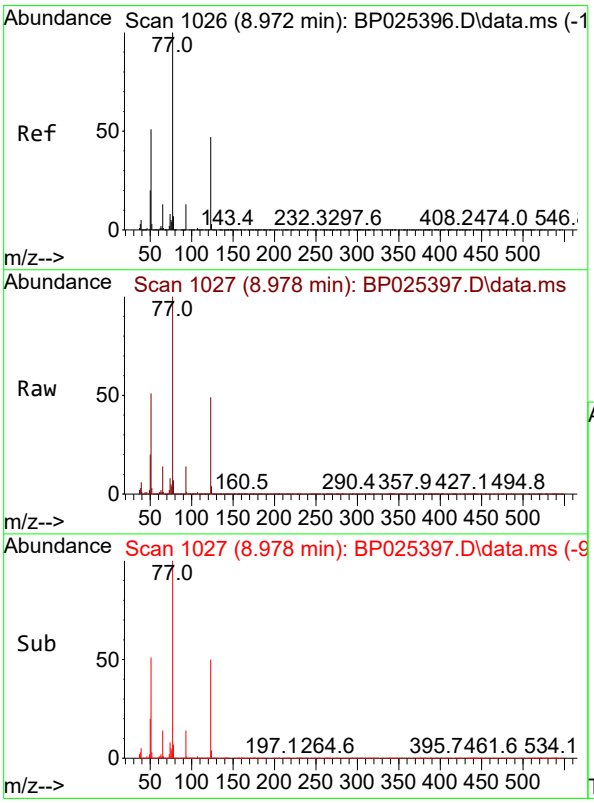
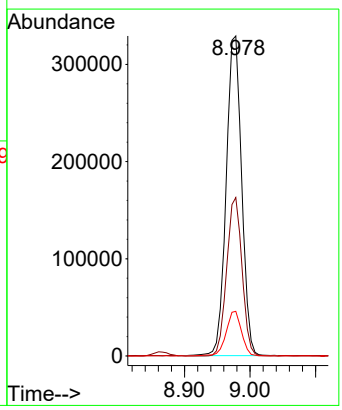
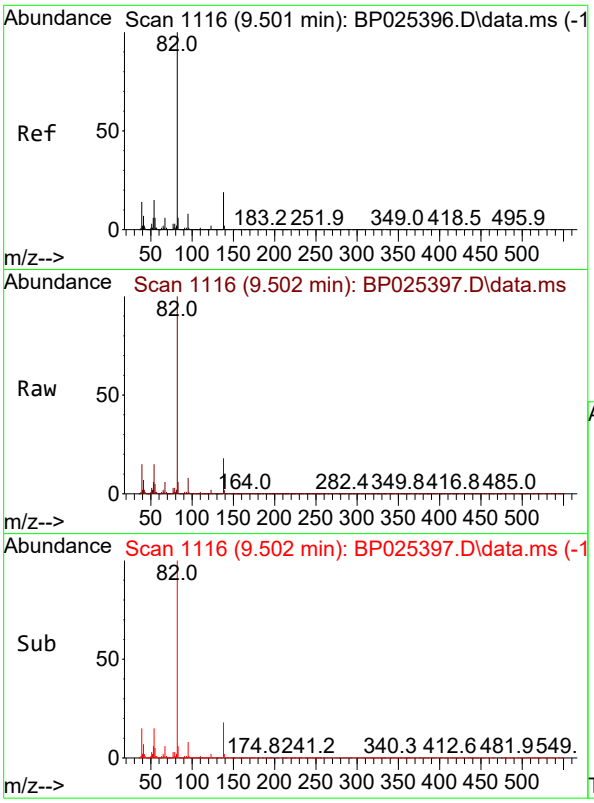


#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 537647

Ion	Ratio	Lower	Upper
77	100		
123	49.5	38.6	58.0
65	13.9	10.6	15.8





#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 82 Resp: 104773

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.5	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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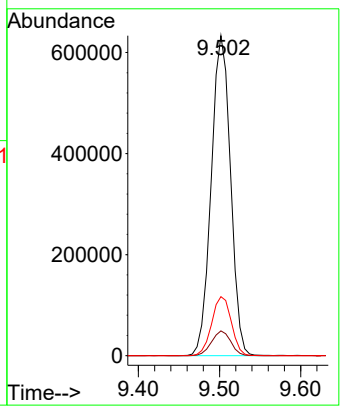
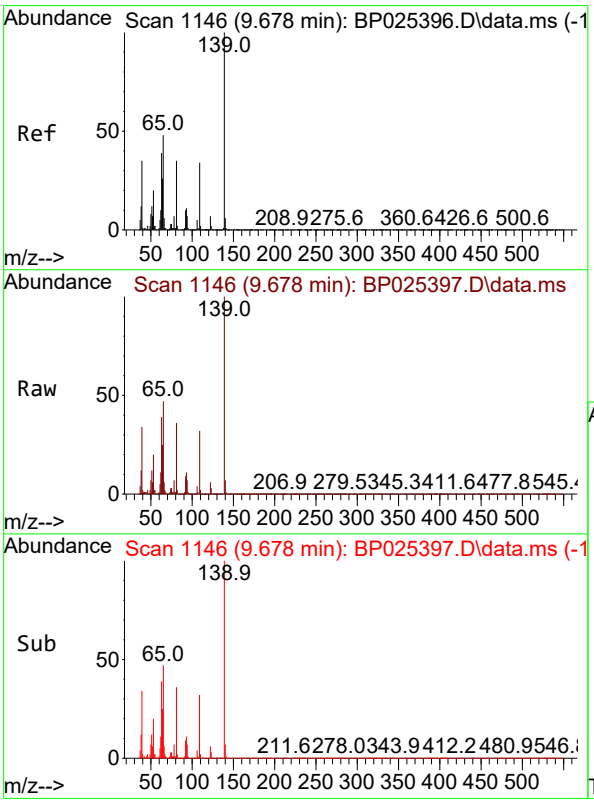
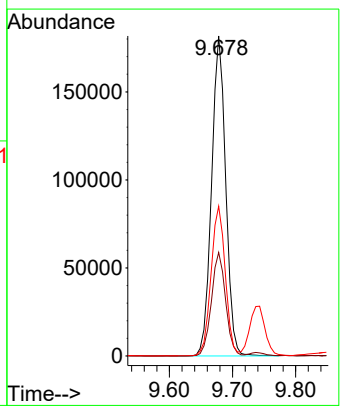


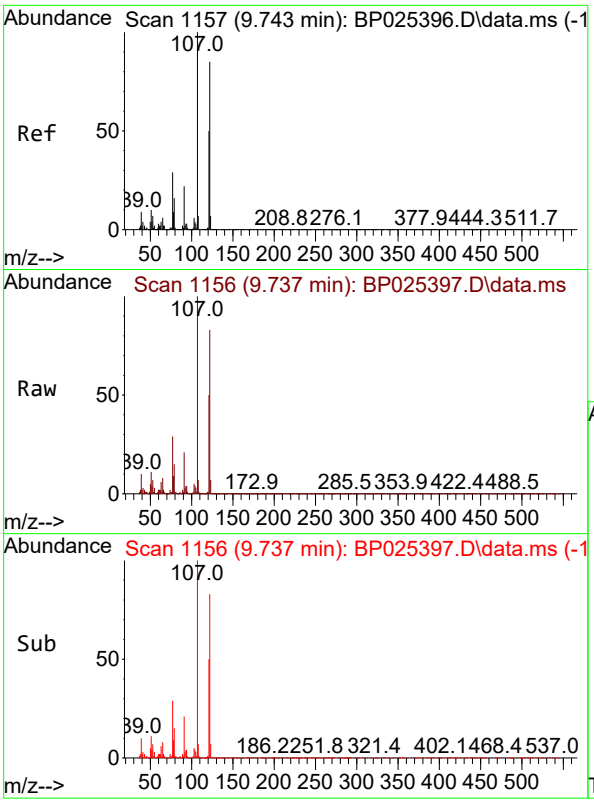


#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 282682

Ion	Ratio	Lower	Upper
139	100		
109	32.3	26.9	40.3
65	46.8	38.3	57.5





#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 48150

Ion	Ratio	Lower	Upper
122	100		
107	120.8	93.7	140.5
121	60.2	46.6	69.8

Instrument :
BNA_P
ClientSampleId :
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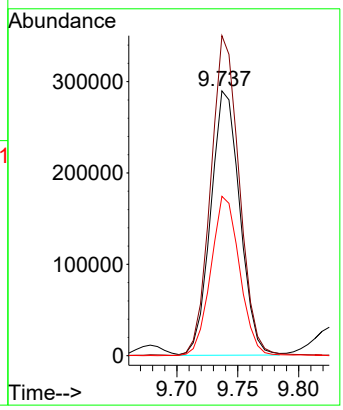
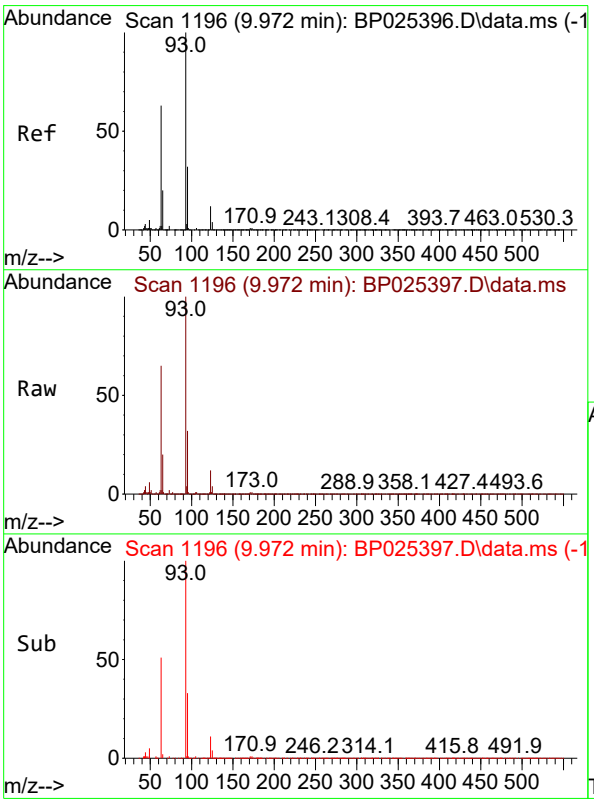
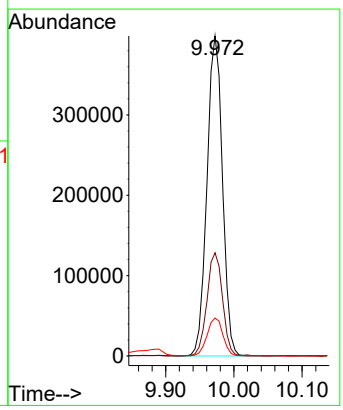


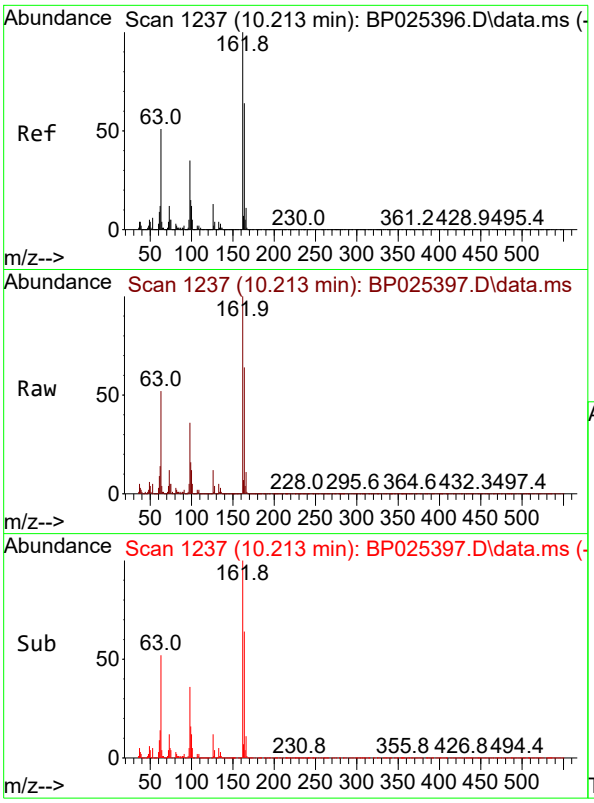


#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 630027

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.0
123	11.8	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 53.478 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:162 Resp: 47540

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	36.2	14.9	54.9

Instrument :
BNA_P
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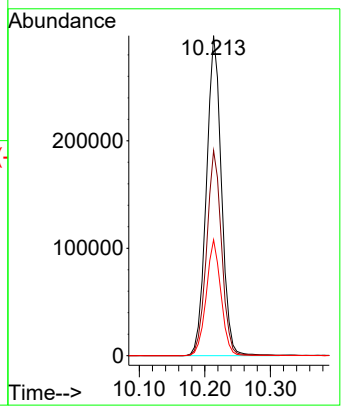
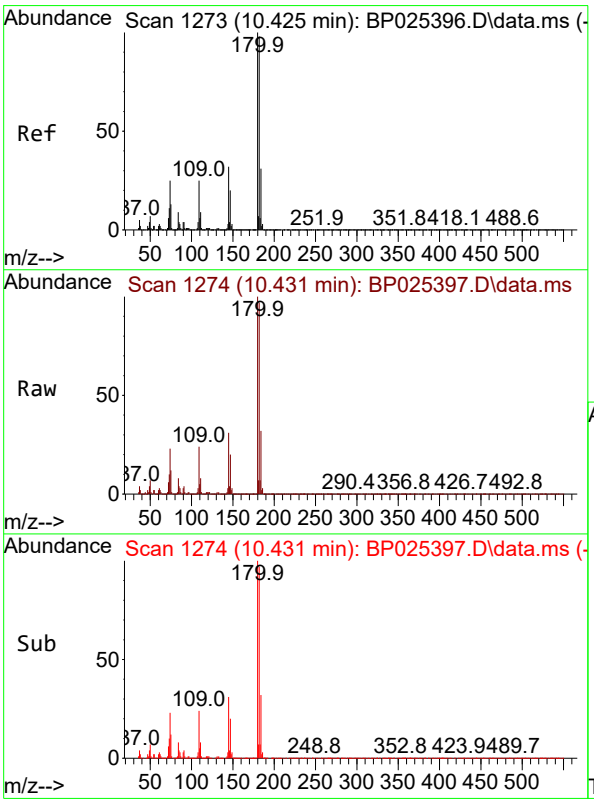
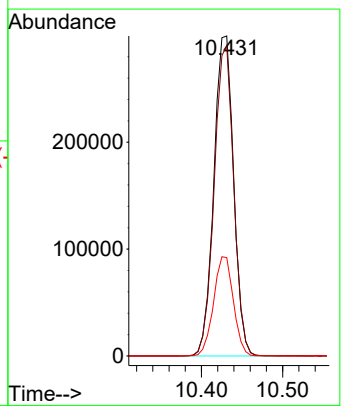


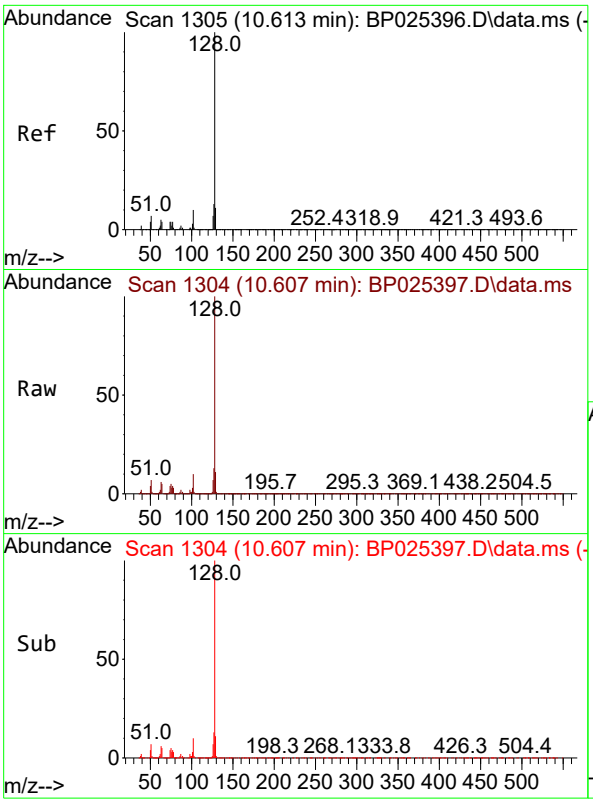


#30
1,2,4-Trichlorobenzene
Concen: 52.101 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:180 Resp: 507724

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.0	117.0
145	30.8	25.9	38.9

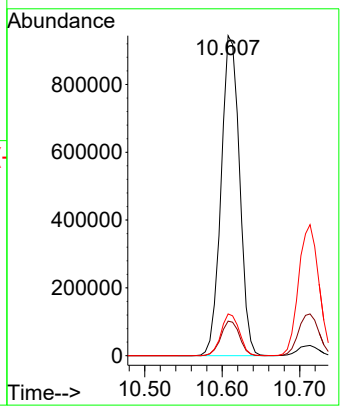




#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 156024

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.7	16.1



Instrument :
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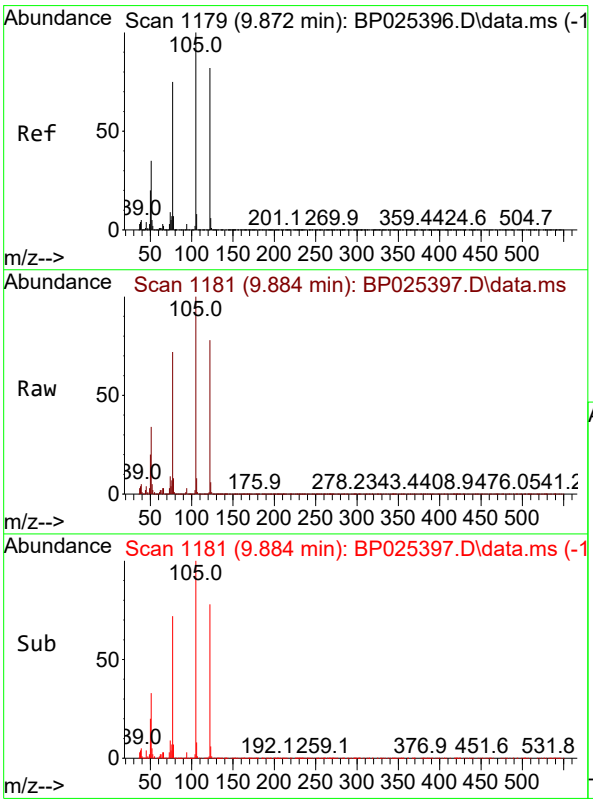
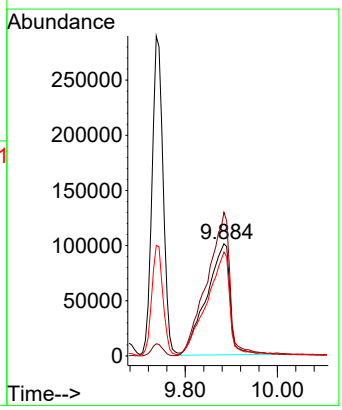
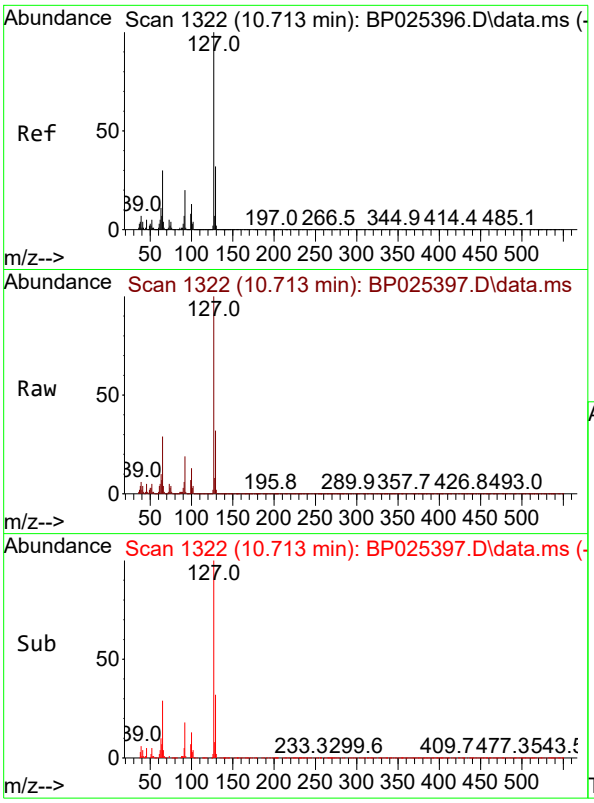


#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706

Ion	Ratio	Lower	Upper
122	100		
105	128.1	100.6	140.6
77	92.6	71.5	111.5

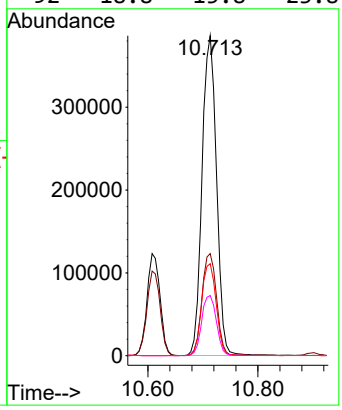




#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:127 Resp: 70556

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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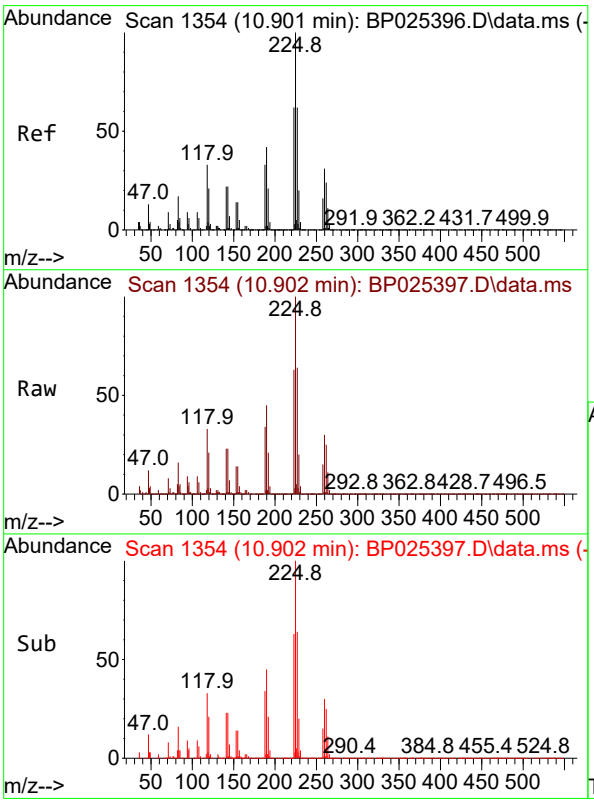
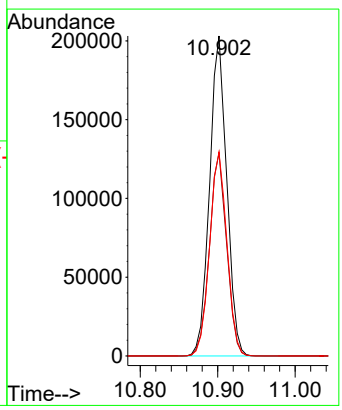
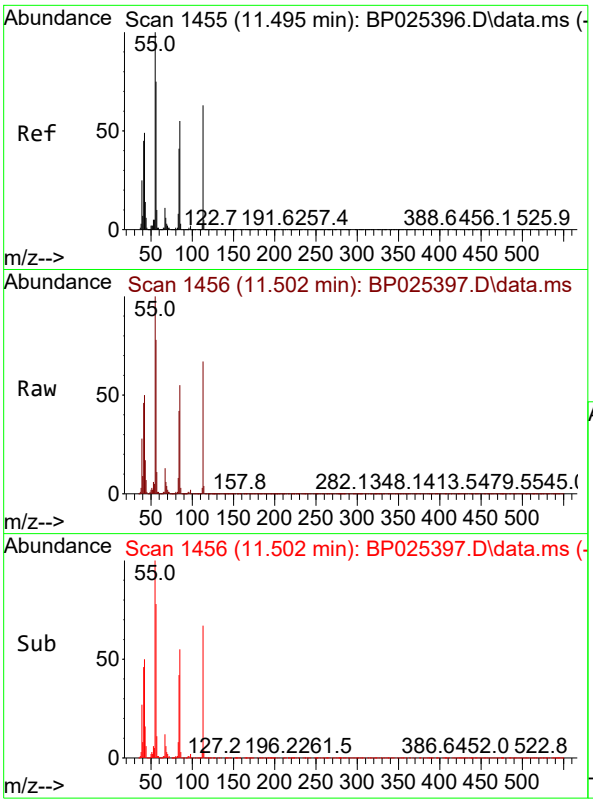


#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:225 Resp: 312163

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5





#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:113 Resp: 17266

Ion	Ratio	Lower	Upper
113	100		
55	149.6	140.0	180.0
56	116.0	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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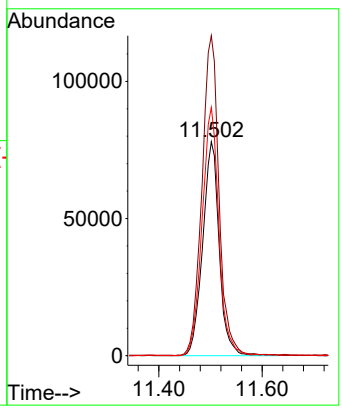
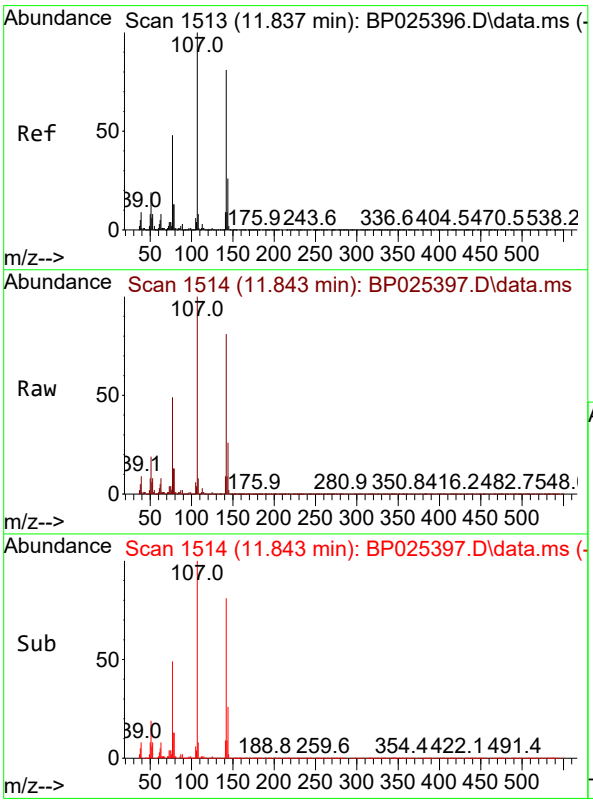
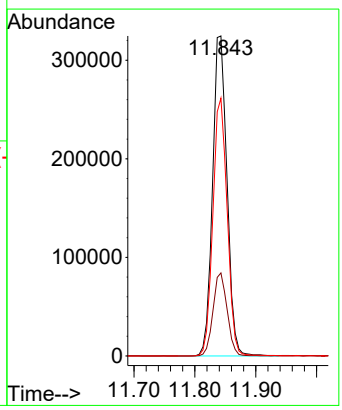


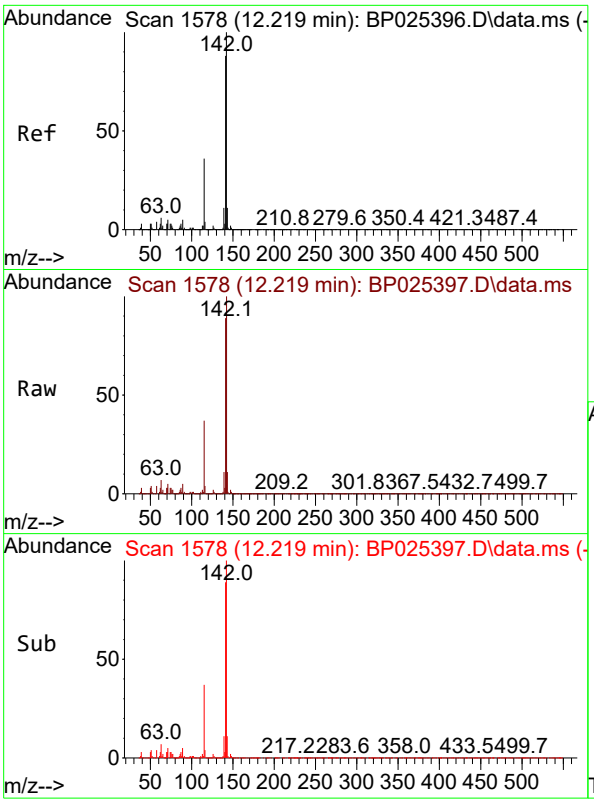


#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 534583

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.4
142	80.6	64.6	97.0

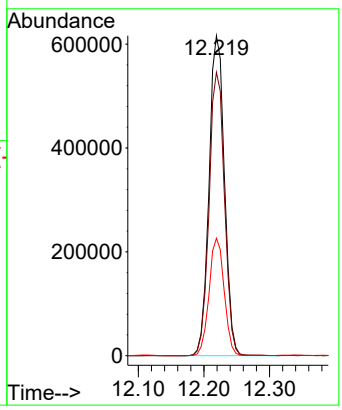




#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 100381

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	36.7	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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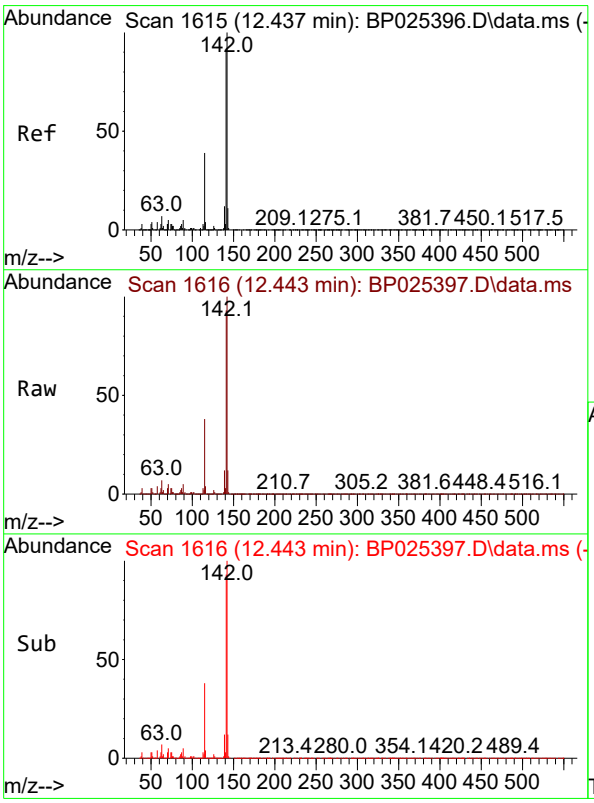
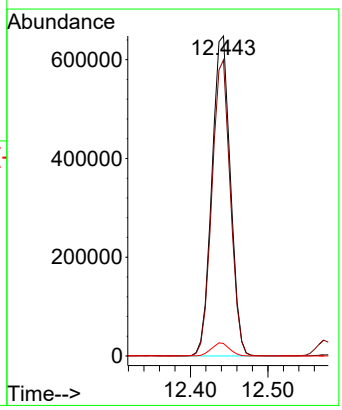
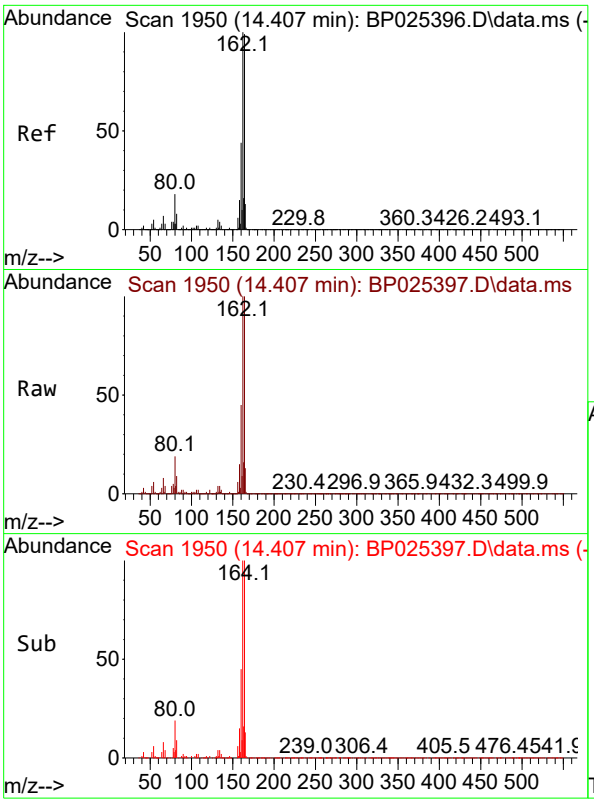


#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 1076949

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7
116	3.9	3.2	4.8

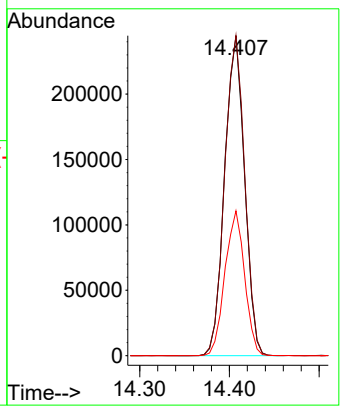




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:164 Resp: 37673

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.0	121.6
160	45.2	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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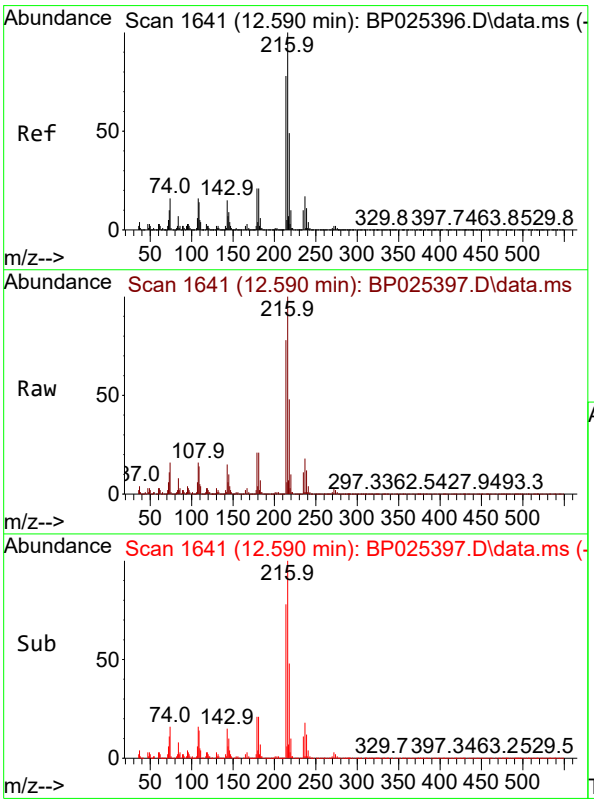
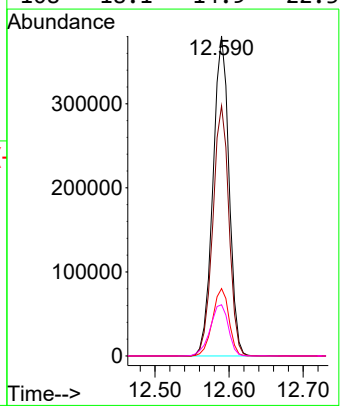
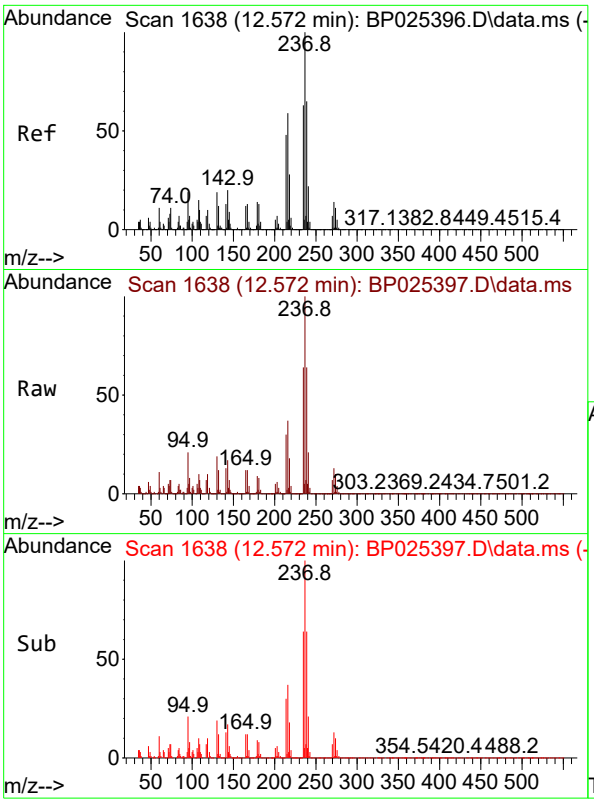


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.769 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	21.5	17.1	25.7
108	18.1	14.9	22.3

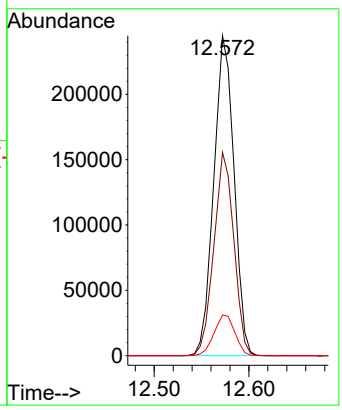




#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:237 Resp: 36404

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.7	82.7
272	12.7	0.0	34.0



Instrument :
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ClientSampleId :
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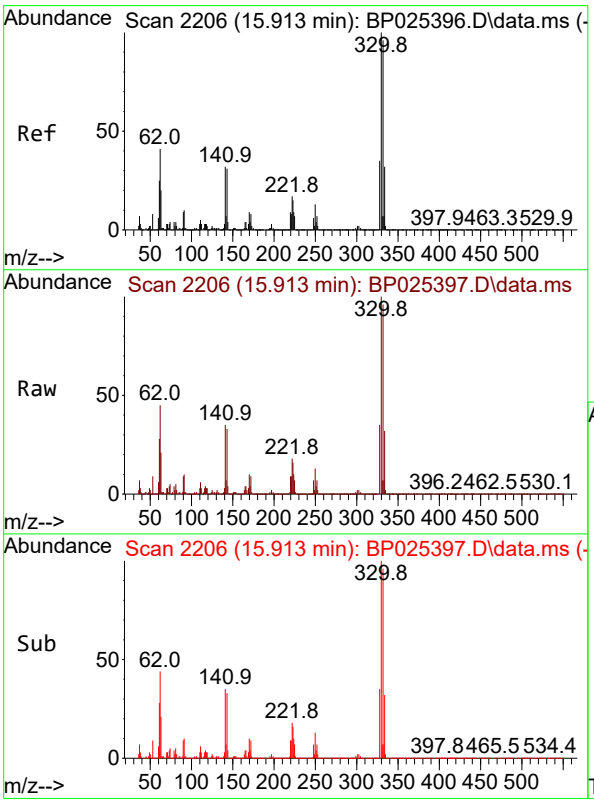
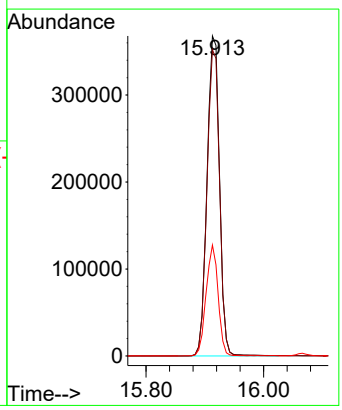
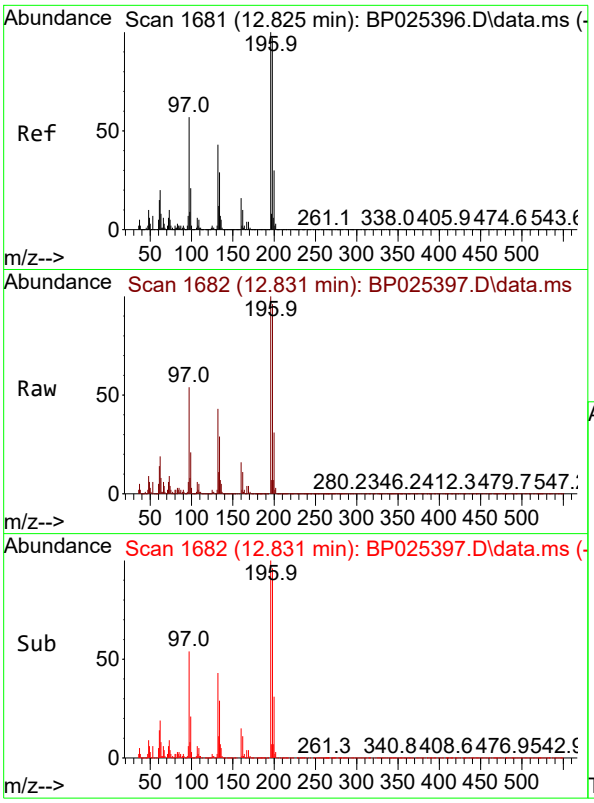


#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:330 Resp: 539295

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	33.5	26.6	39.8

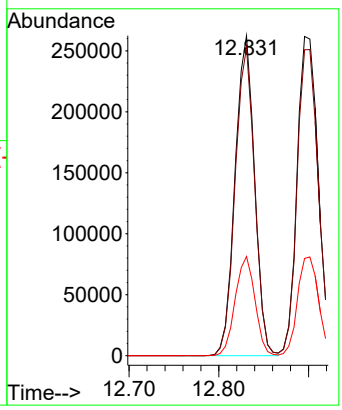




#43
2,4,6-Trichlorophenol
Concen: 53.971 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 39644

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.0	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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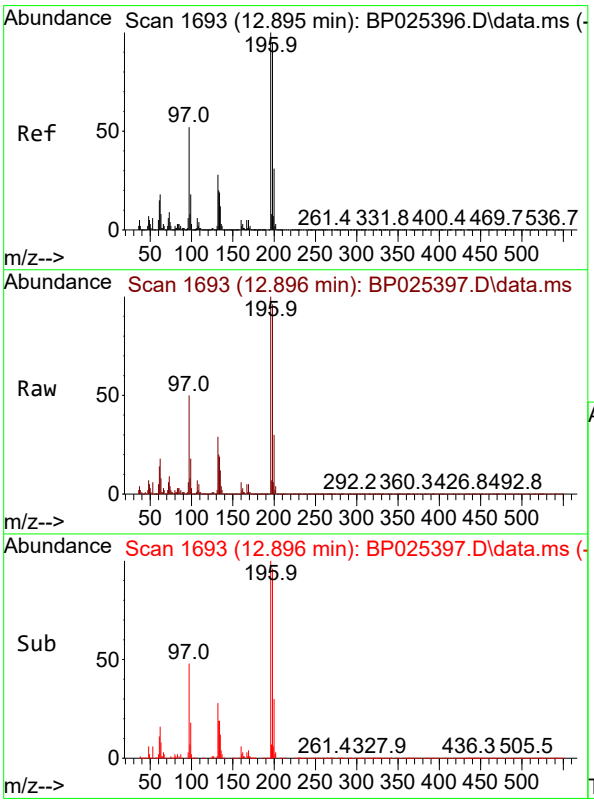
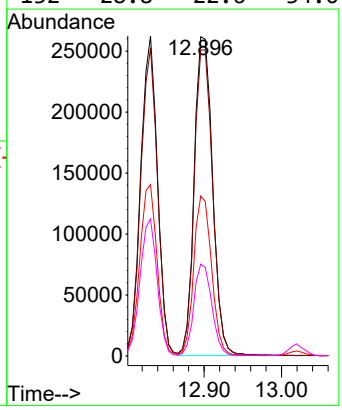
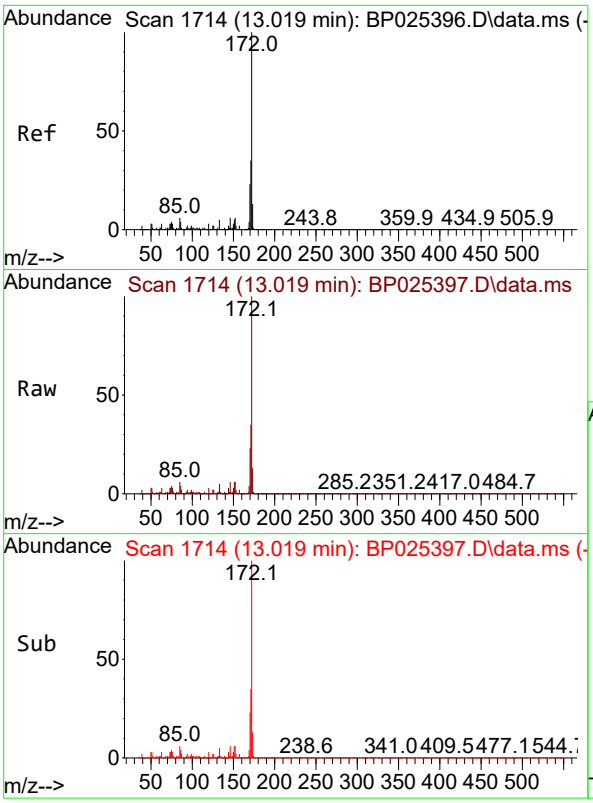


#44
2,4,5-Trichlorophenol
Concen: 53.421 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
97	50.1	41.2	61.8
132	28.8	22.6	34.0

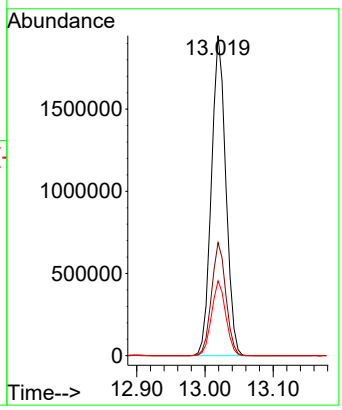




#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:172 Resp: 285663

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.4	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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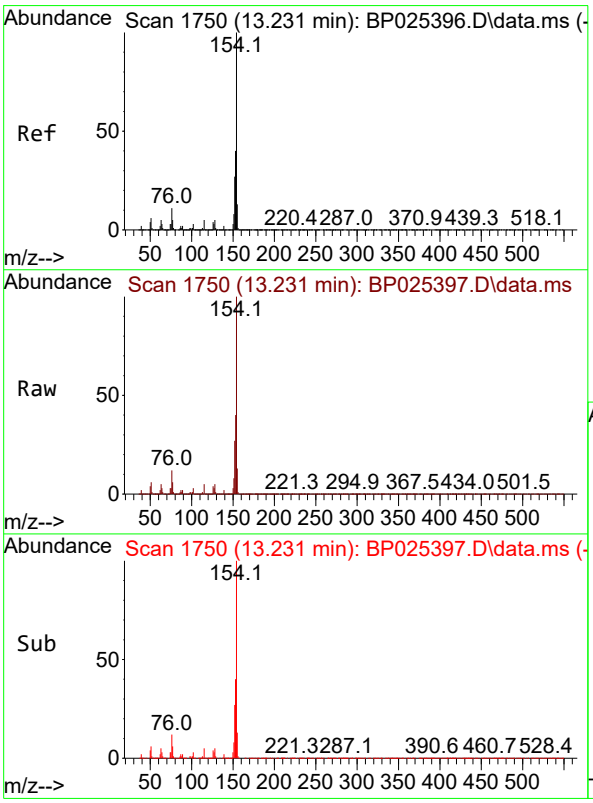
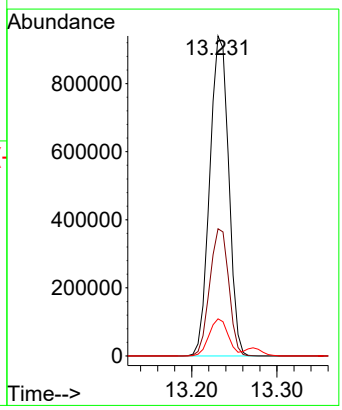
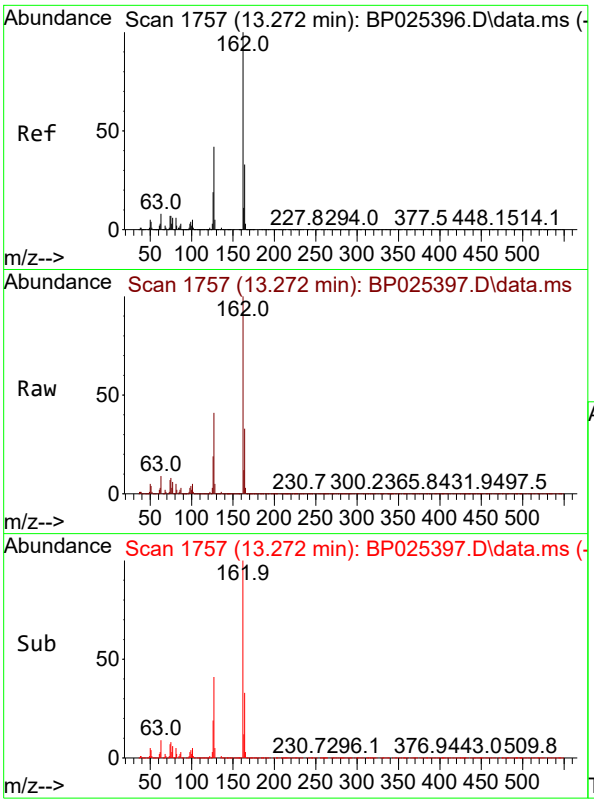


#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1447968

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.6	0.0	31.1

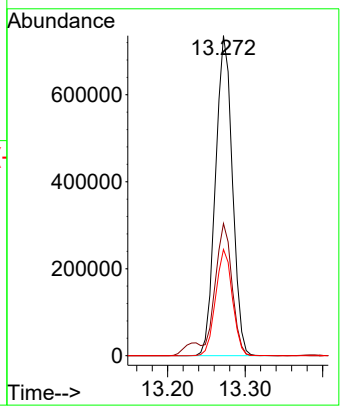




#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:162 Resp: 111492

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	33.2	26.2	39.2



Instrument :
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ClientSampleId :
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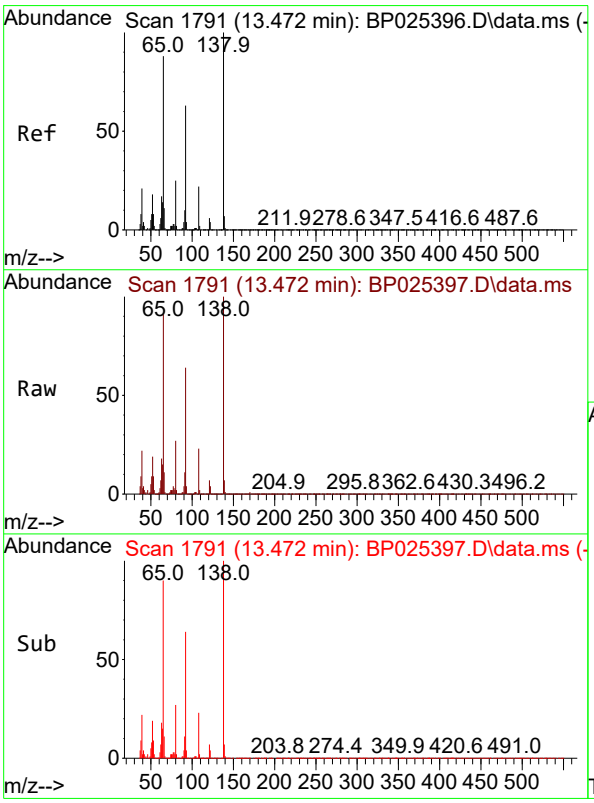
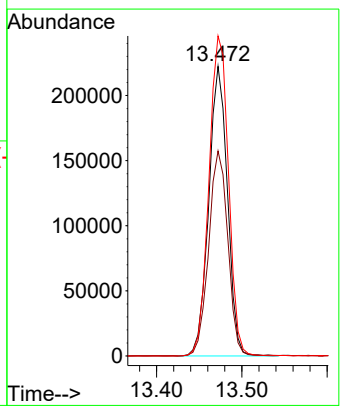
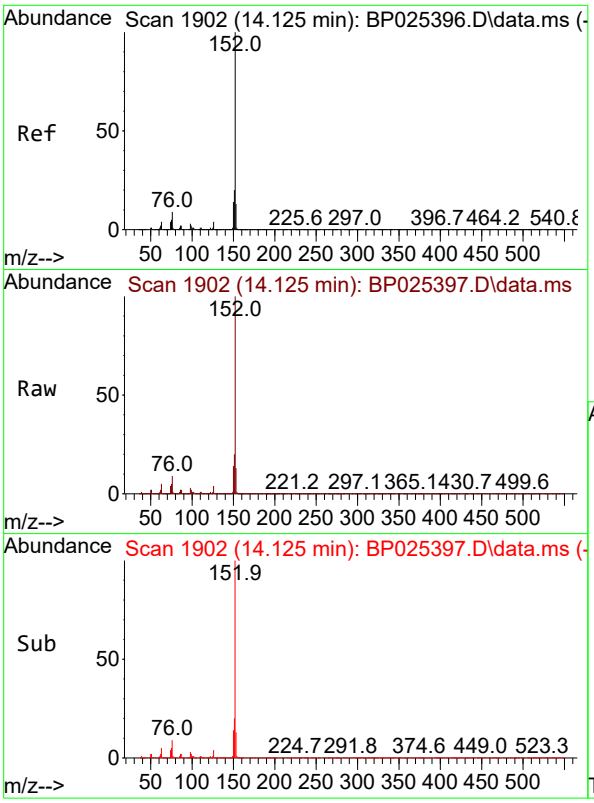


#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 65 Resp: 338939

Ion	Ratio	Lower	Upper
65	100		
92	70.7	57.6	86.4
138	110.5	91.0	136.6

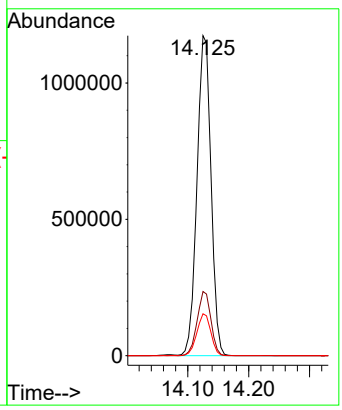




#49
Acenaphthylene
Concen: 53.227 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:152 Resp: 187599

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8



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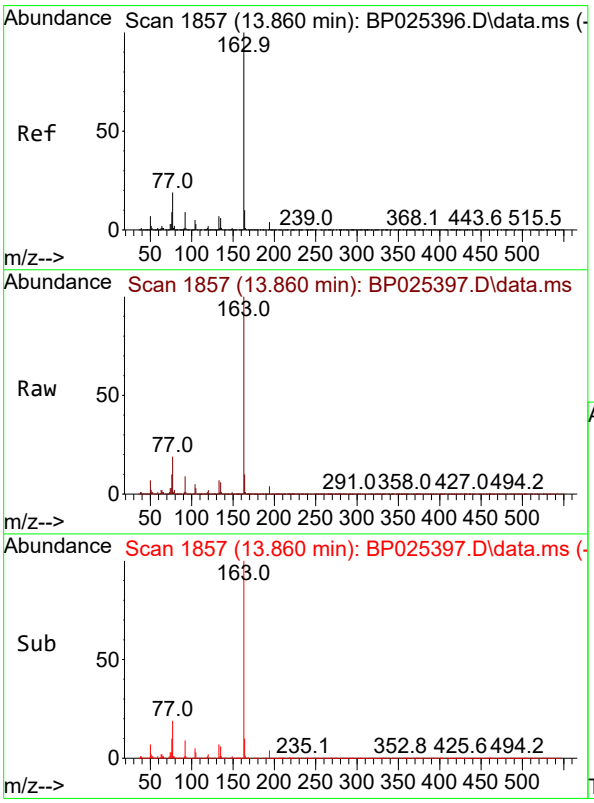
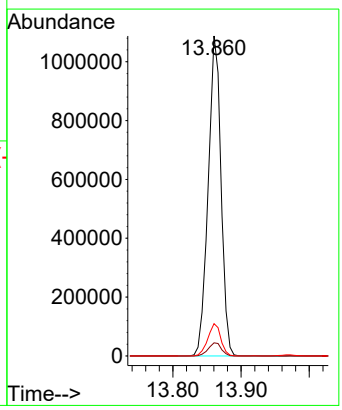
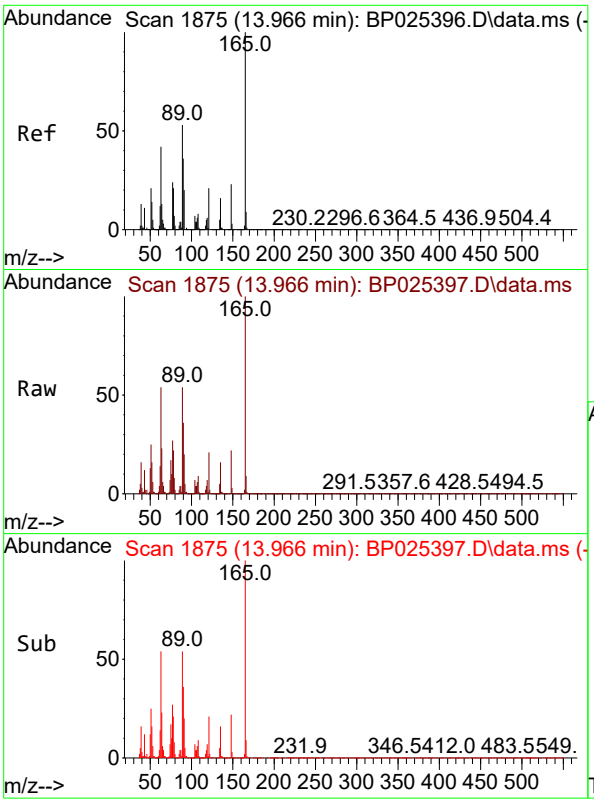


#50
Dimethylphthalate
Concen: 51.622 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:163 Resp: 1424127

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

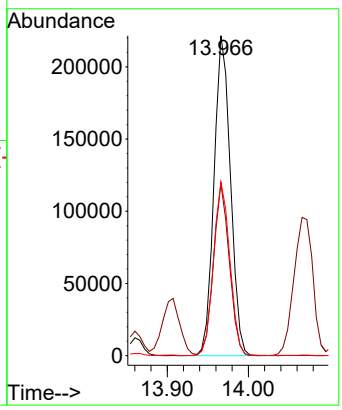




#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:165 Resp: 31214

Ion	Ratio	Lower	Upper
165	100		
63	53.8	40.9	61.3
89	54.2	42.1	63.1



Instrument :
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ClientSampleId :
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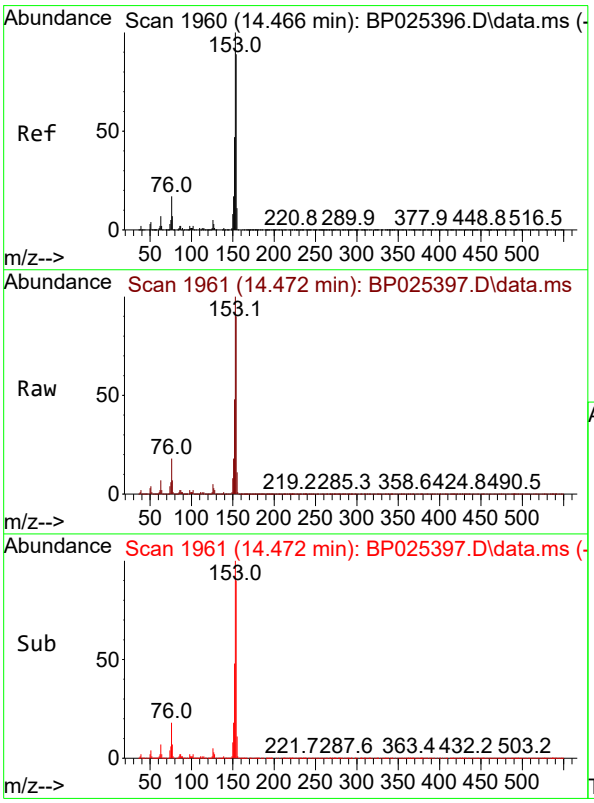
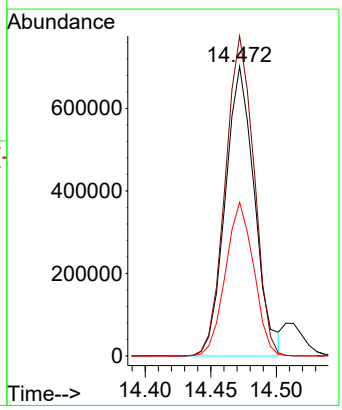
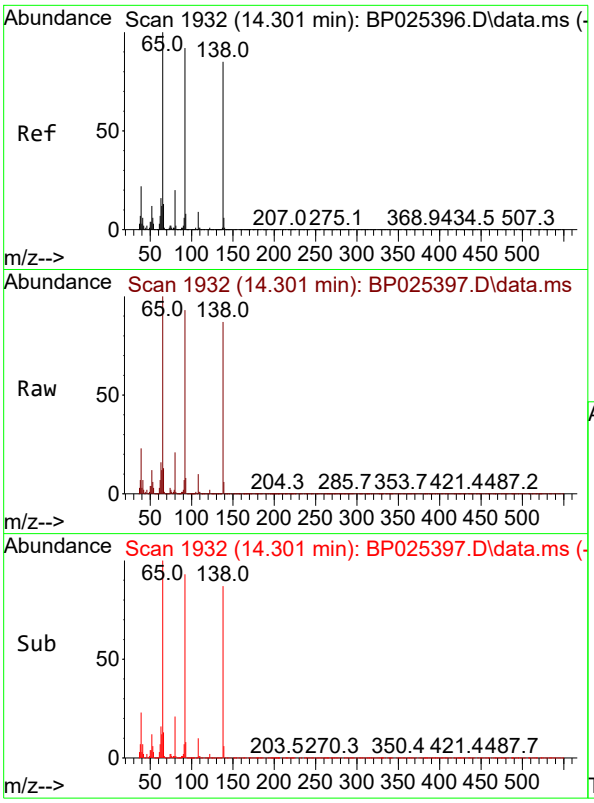


#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1087721

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.2	135.2
152	53.1	42.1	63.1

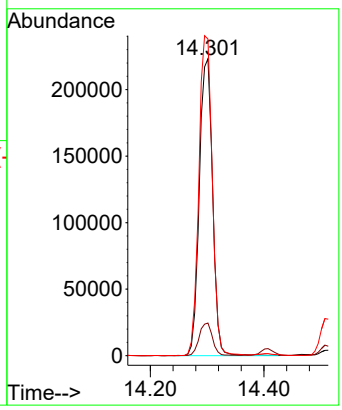




#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 36203

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.3	12.5
92	106.6	86.2	129.2



Instrument :
BNA_P
ClientSampleId :
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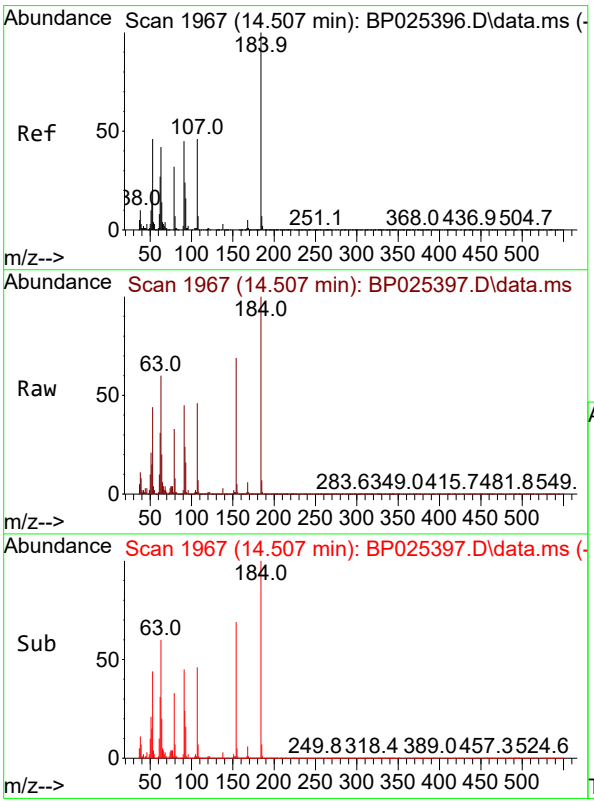
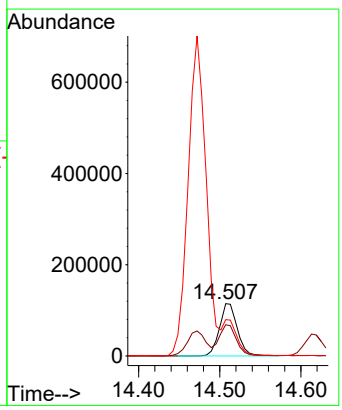
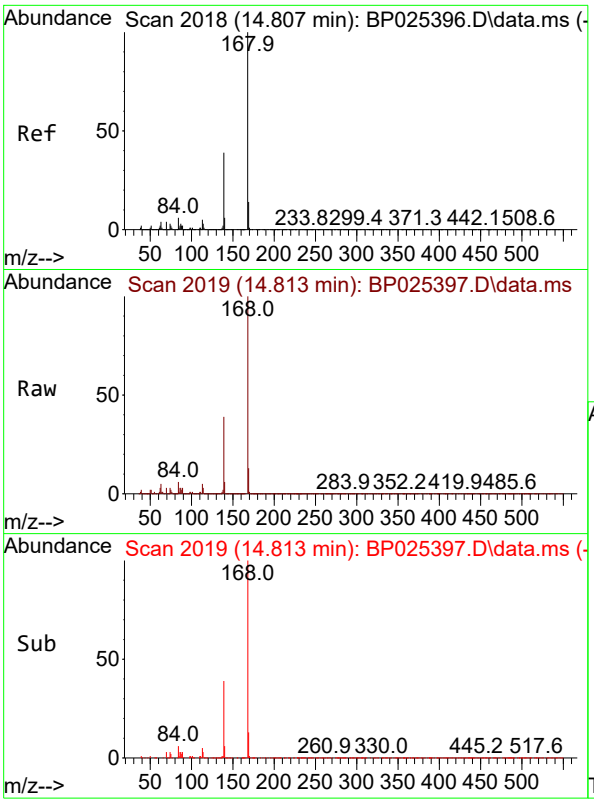


#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 175453

Ion	Ratio	Lower	Upper
184	100		
63	59.7	49.4	74.2
154	69.4	54.6	82.0

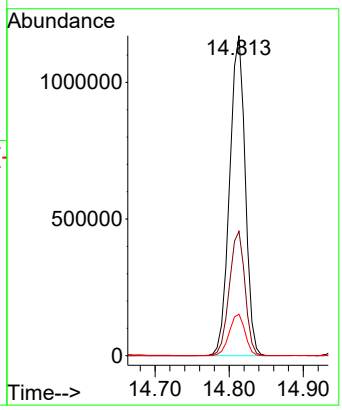




#55
Dibenzofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:168 Resp: 170563

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.5	47.3
169	13.0	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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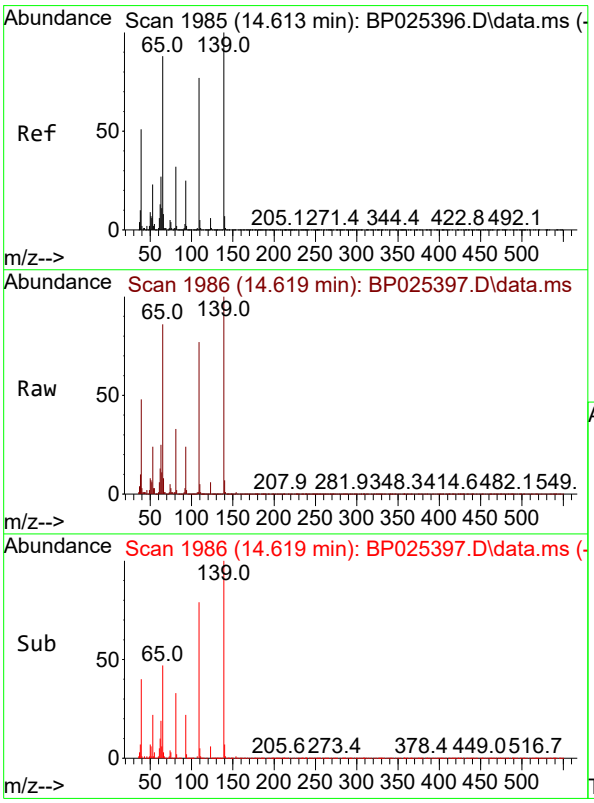
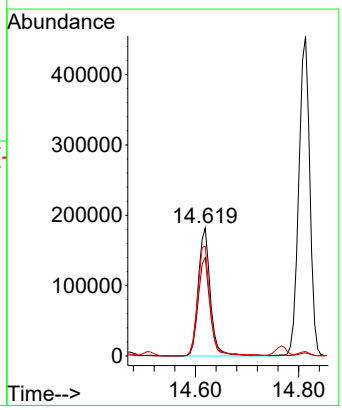
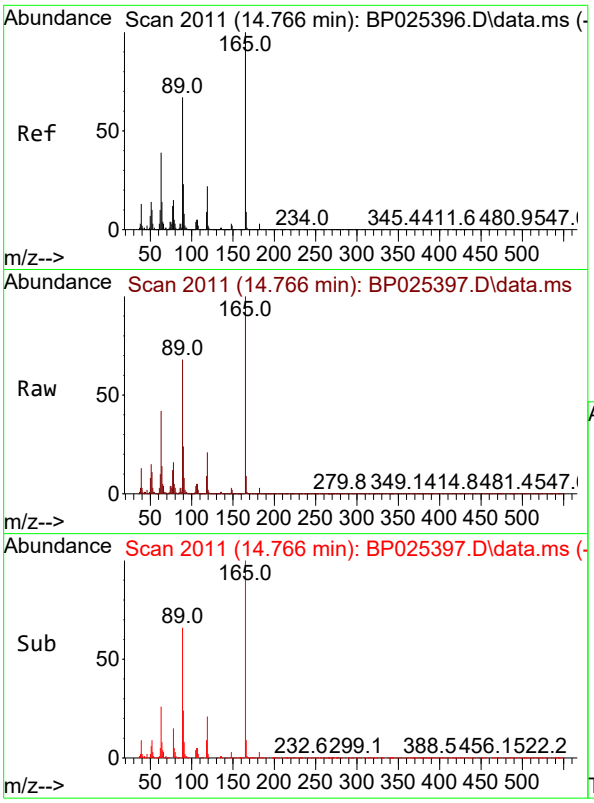


#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 296227

Ion	Ratio	Lower	Upper
139	100		
109	76.8	56.6	96.6
65	85.5	68.2	108.2

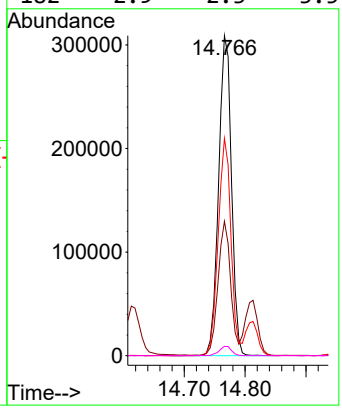




#57
2,4-Dinitrotoluene
Concen: 54.354 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:165 Resp: 45092

Ion	Ratio	Lower	Upper
165	100		
63	42.0	31.4	47.2
89	67.9	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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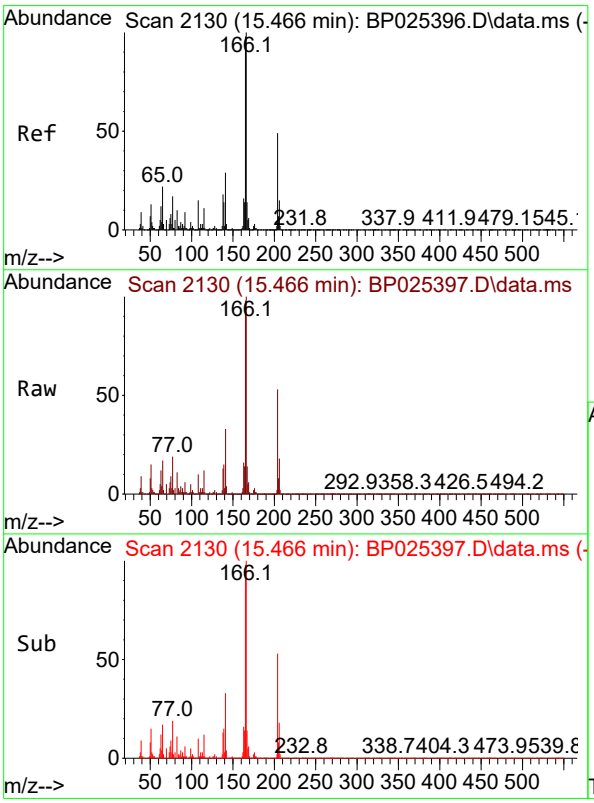
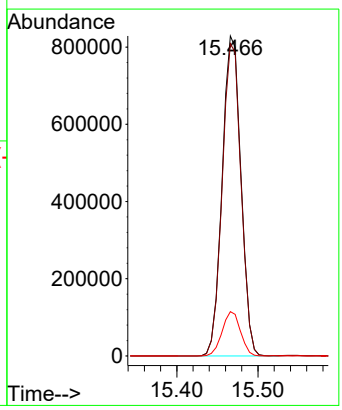
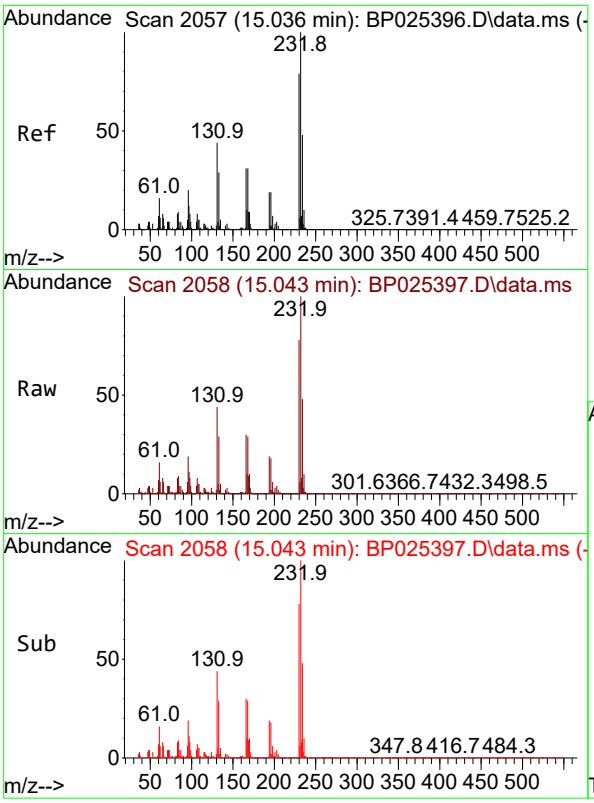


#58
Fluorene
Concen: 51.627 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:166 Resp: 1332448

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.9	11.0	16.4

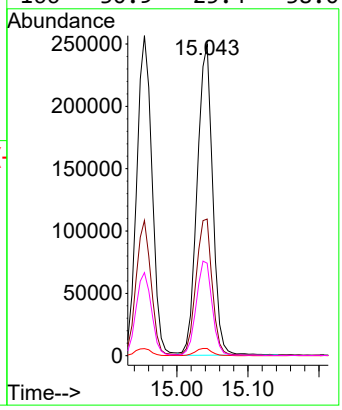




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:232 Resp: 37874

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.5	1.9	2.9
166	30.9	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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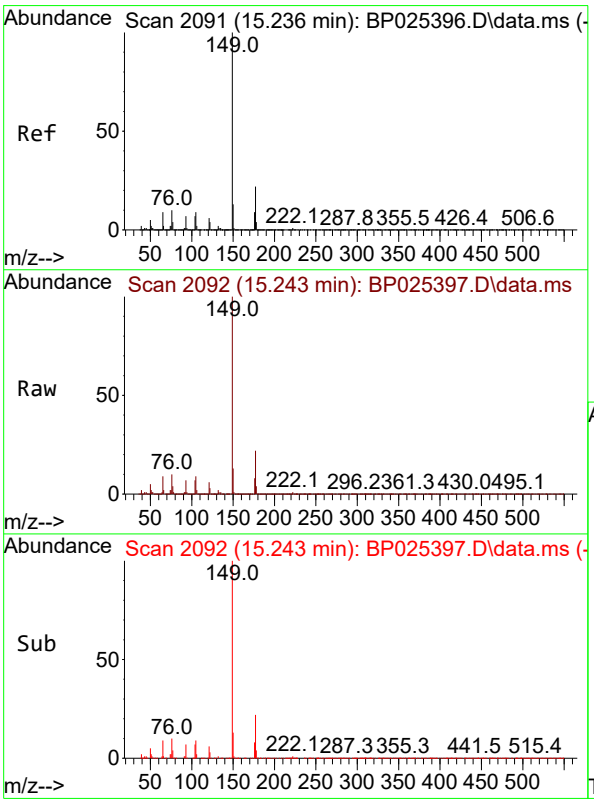
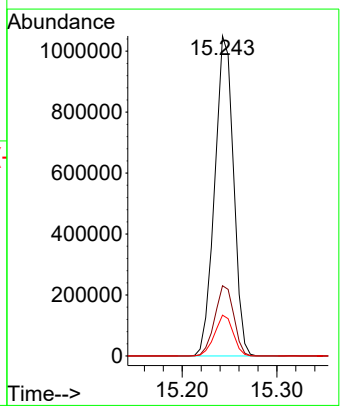
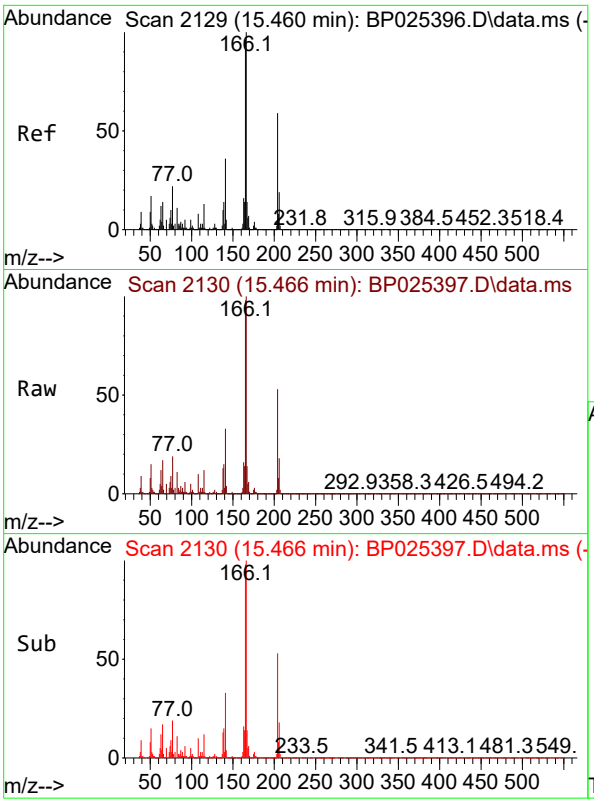


#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1450033

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:204 Resp: 65010

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.8
141	61.8	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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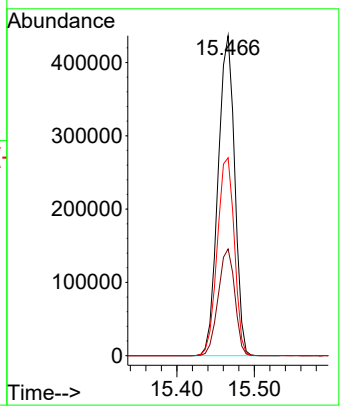
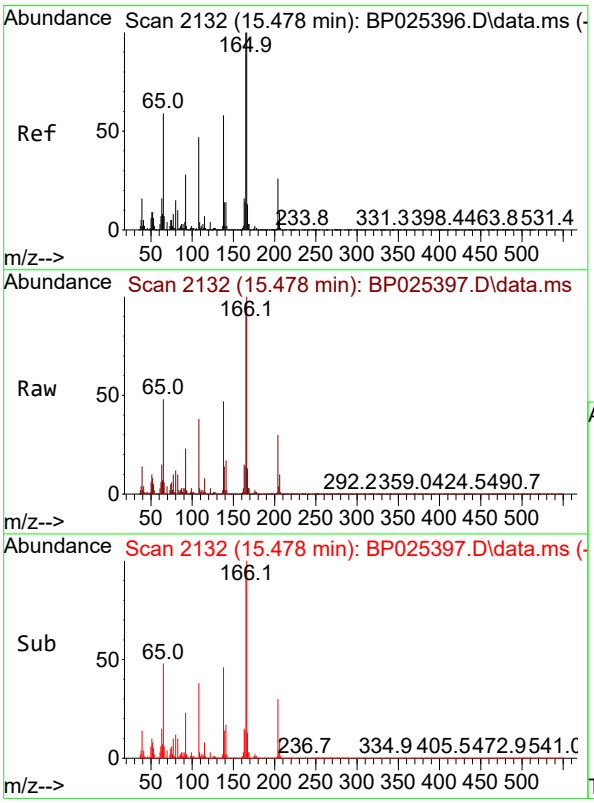
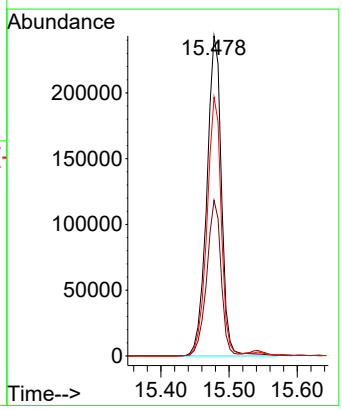


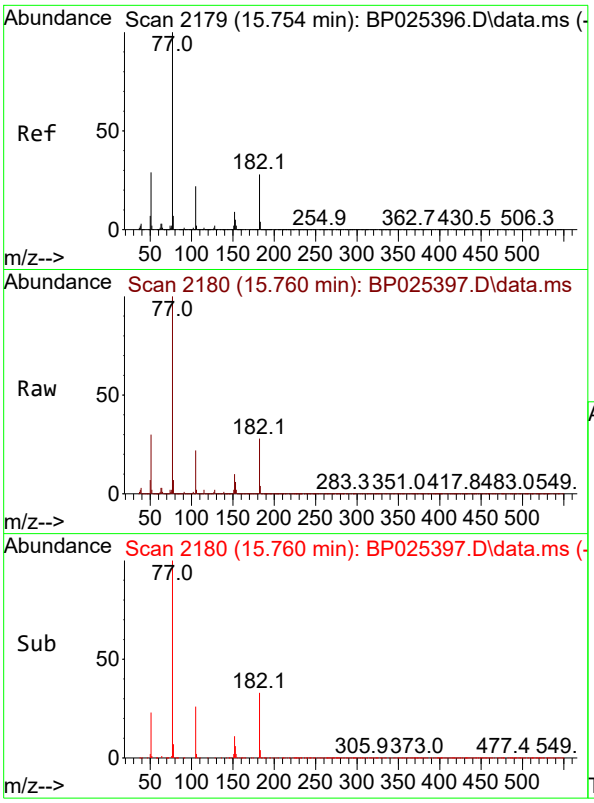


#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 364030

Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.1	69.1
108	80.9	61.5	101.5

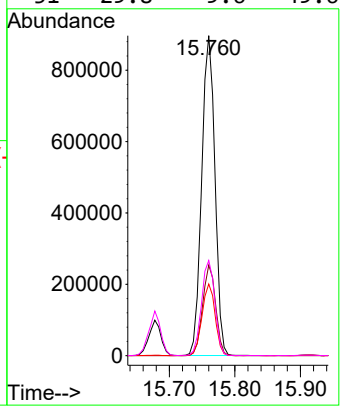




#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 126257

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.4	2.1	42.1
51	29.8	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
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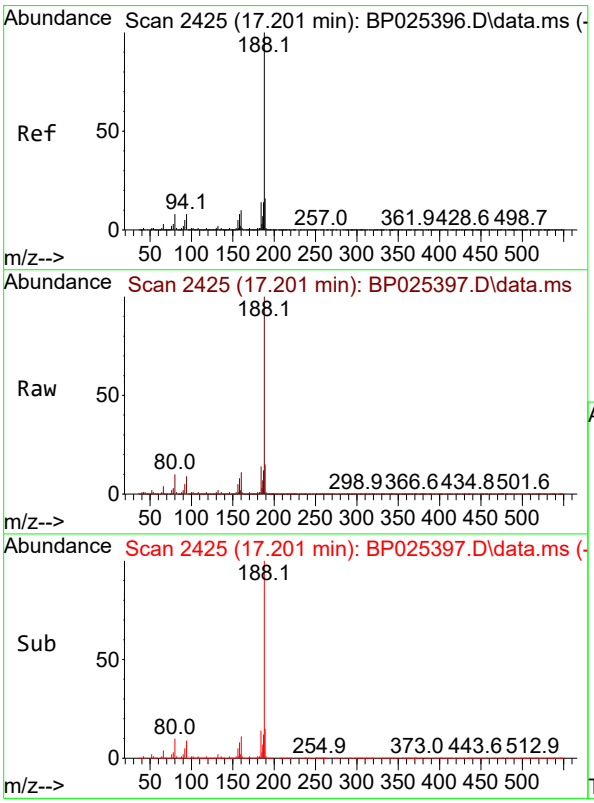
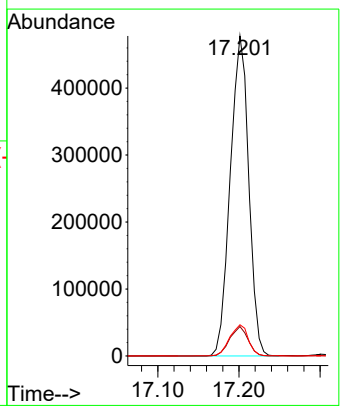
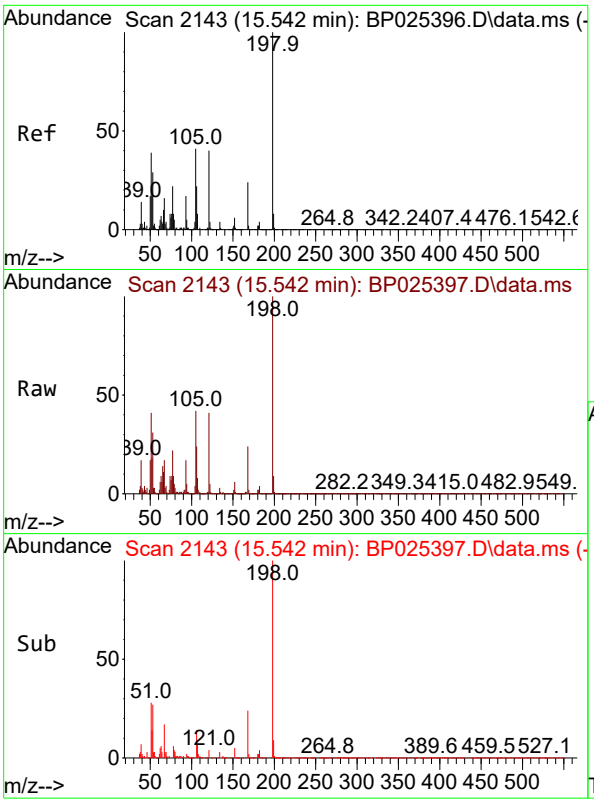


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:188 Resp: 753705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

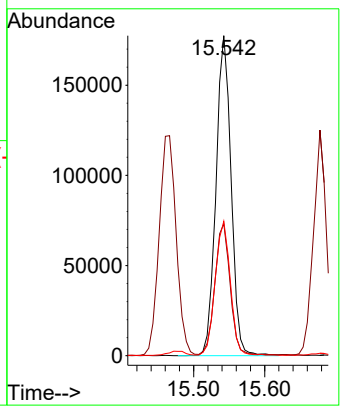




#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:198 Resp: 26212

Ion	Ratio	Lower	Upper
198	100		
51	41.2	19.6	59.6
105	42.0	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
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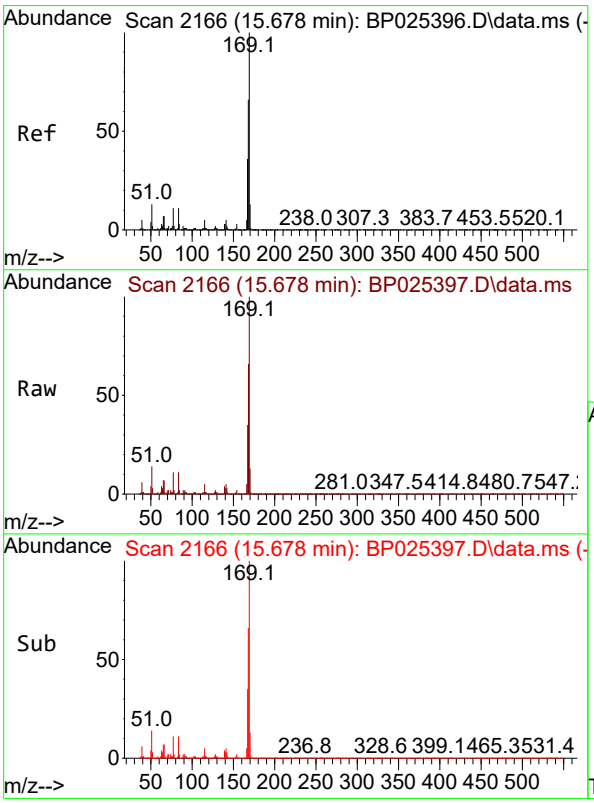
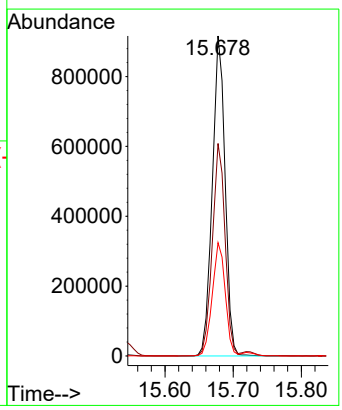
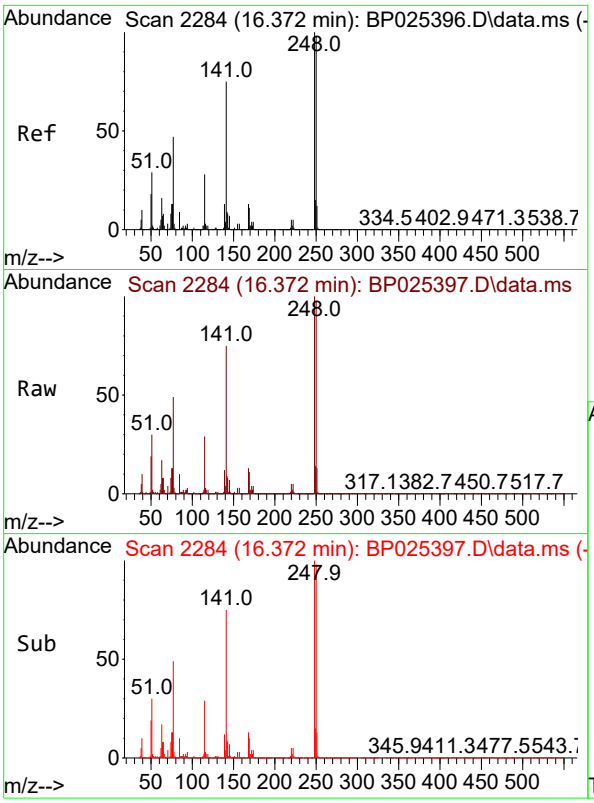


#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:169 Resp: 1195077

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.4	28.7	43.1

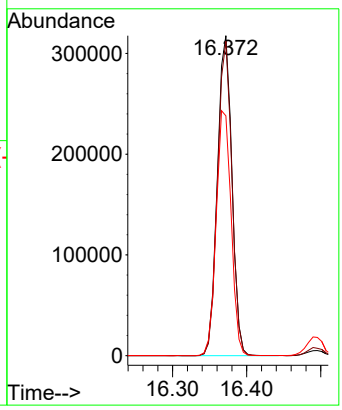




#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:248 Resp: 43374

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	75.0	59.6	89.4



Instrument :
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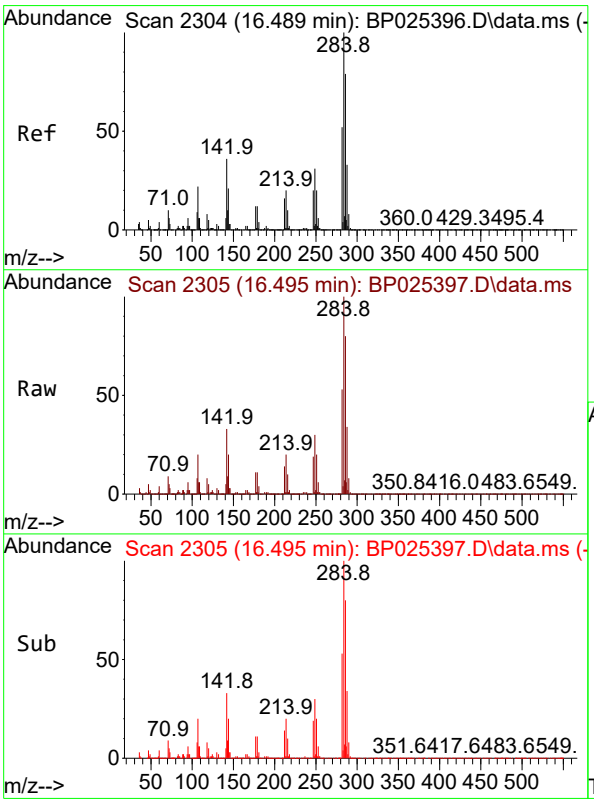
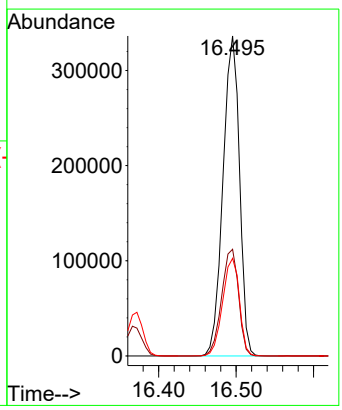
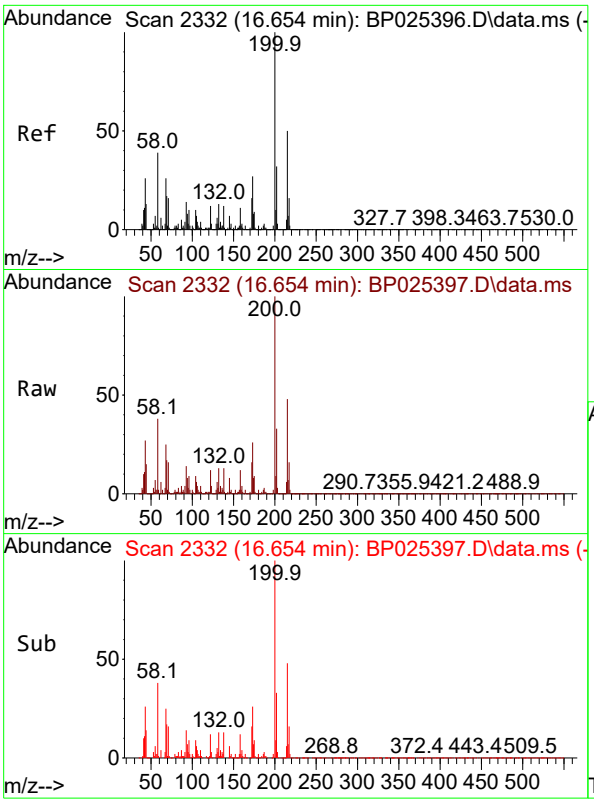


#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:284 Resp: 497906

Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	30.5	25.0	37.4

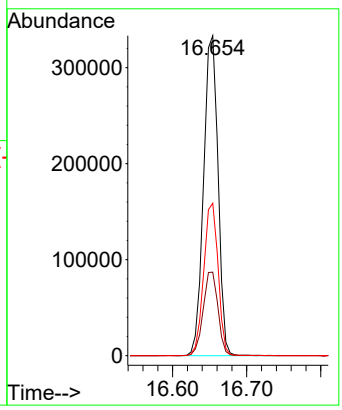




#69
Atrazine
Concen: 52.479 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:200 Resp: 45170

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	47.7	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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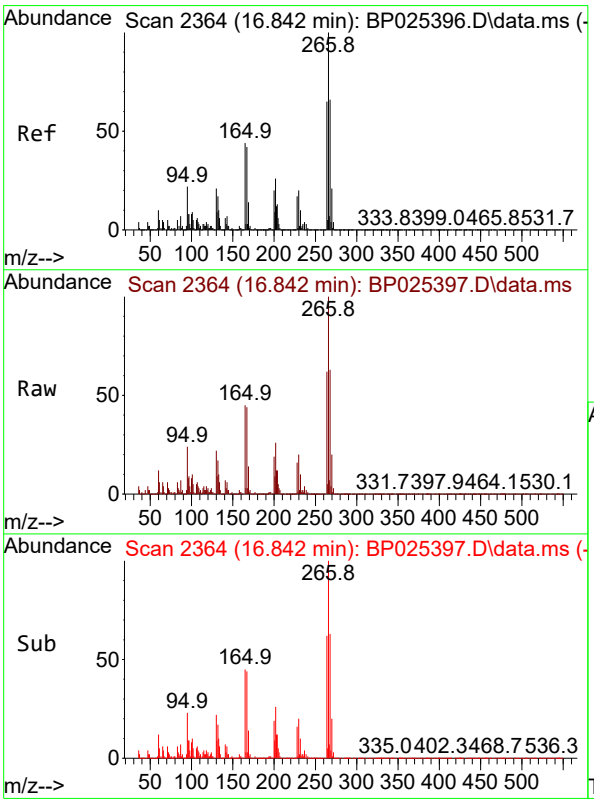
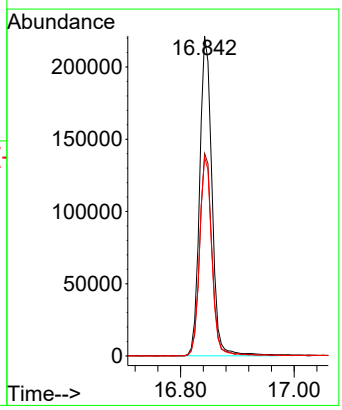
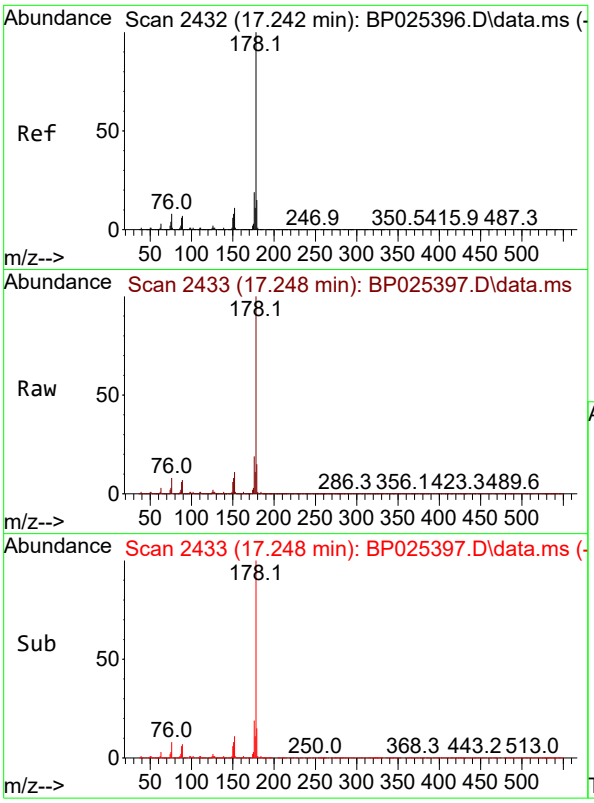


#70
Pentachlorophenol
Concen: 54.872 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:266 Resp: 332839

Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.6	79.0
264	62.1	52.0	78.0

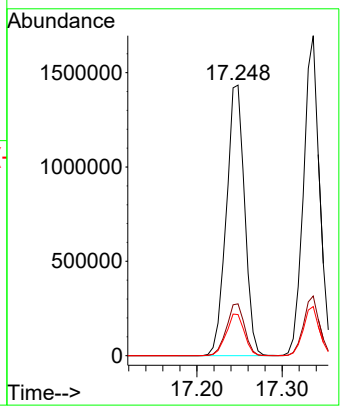




#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 213943

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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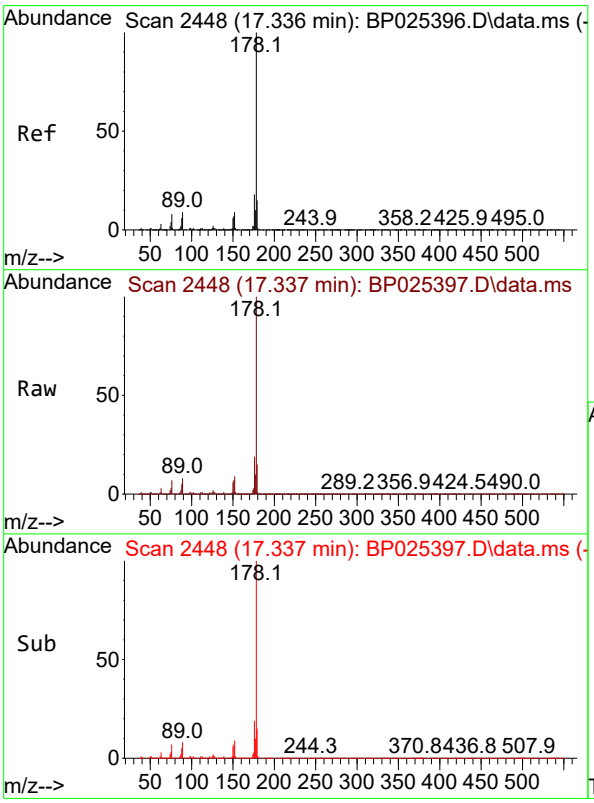
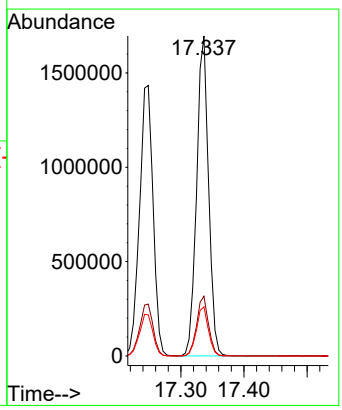
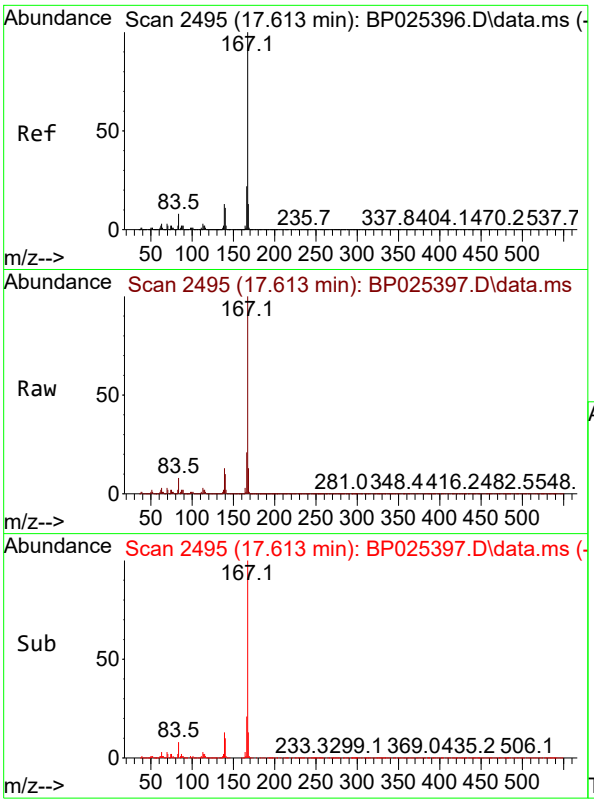


#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 2214911

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2

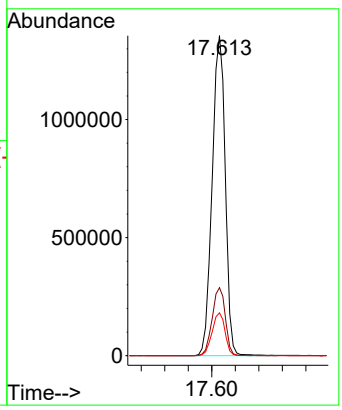




#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:167 Resp: 209317

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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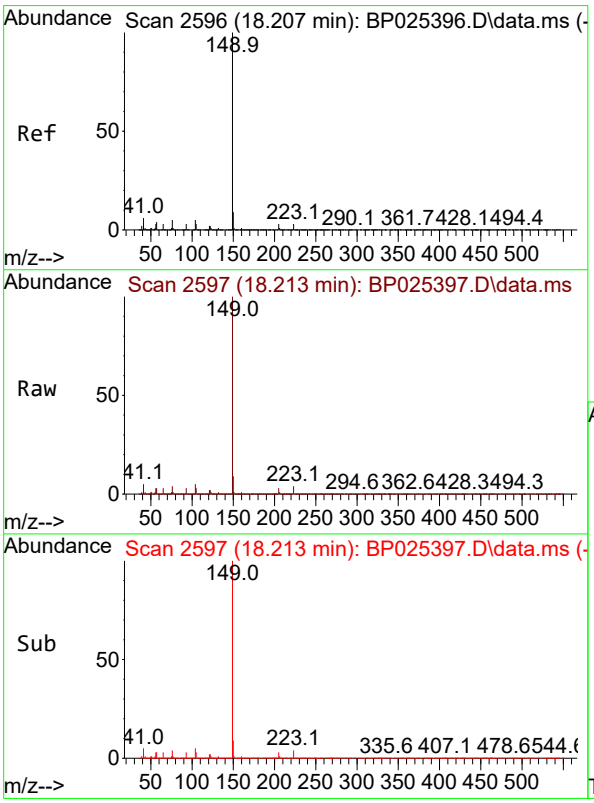
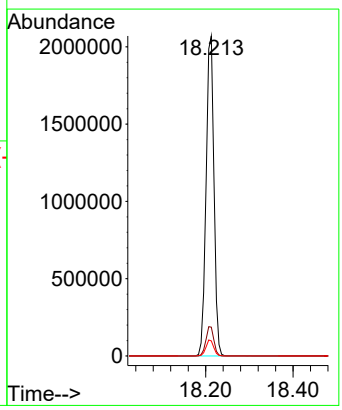
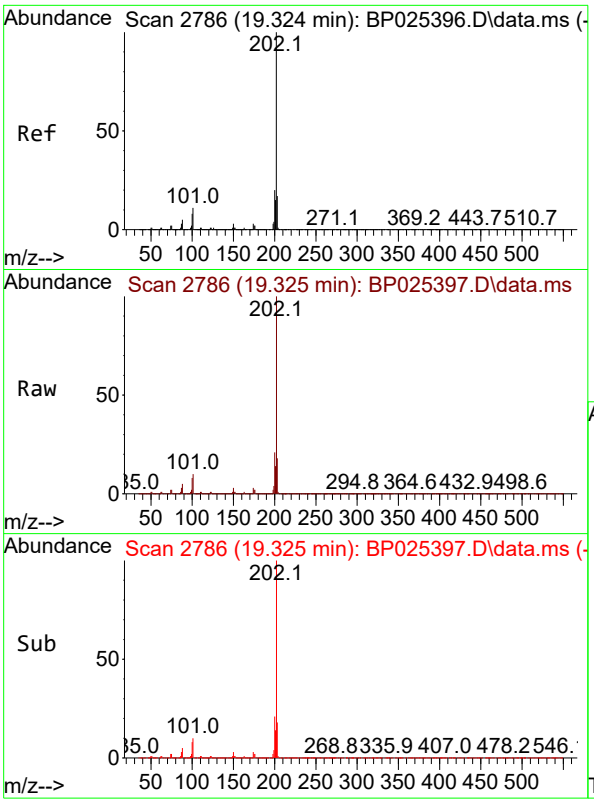


#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 2589522

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.7	4.2	6.2





#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 256370

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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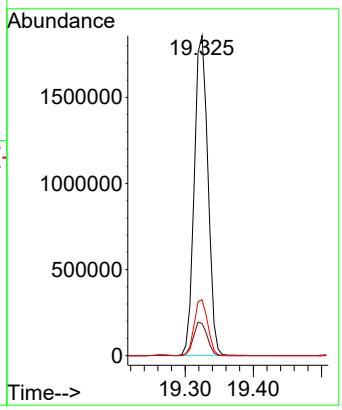
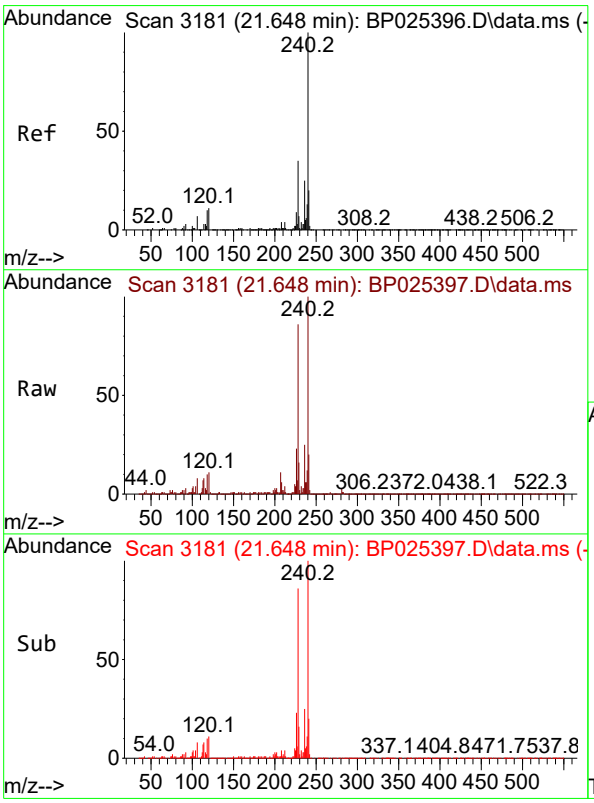
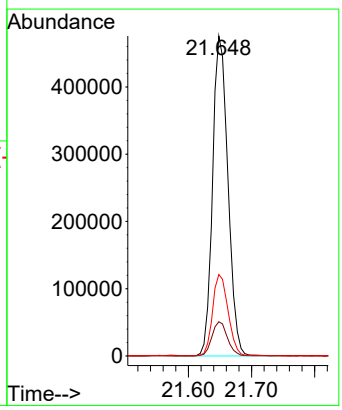


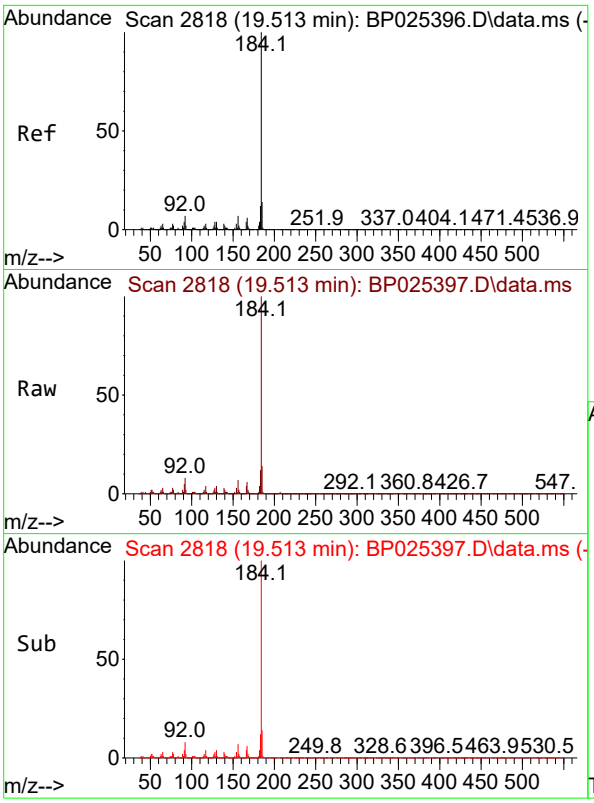


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:240 Resp: 801742

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.5	19.8	29.8

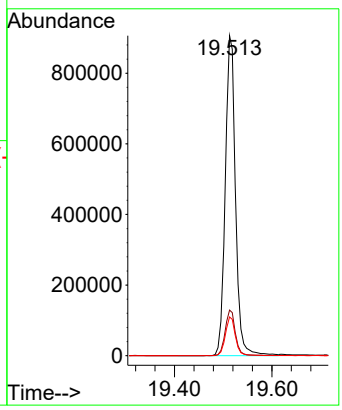




#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 133019

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	12.1	9.4	14.2



Instrument :
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ClientSampleId :
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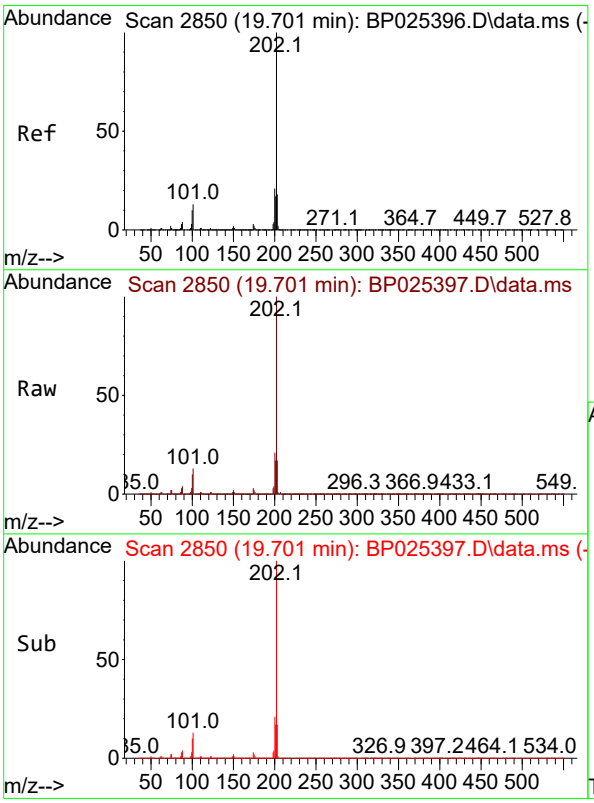
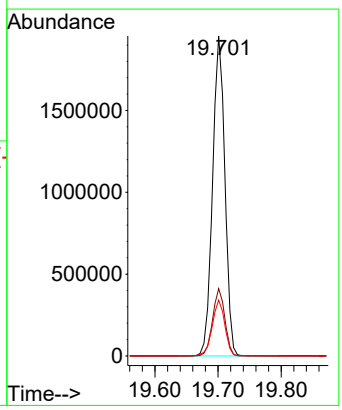
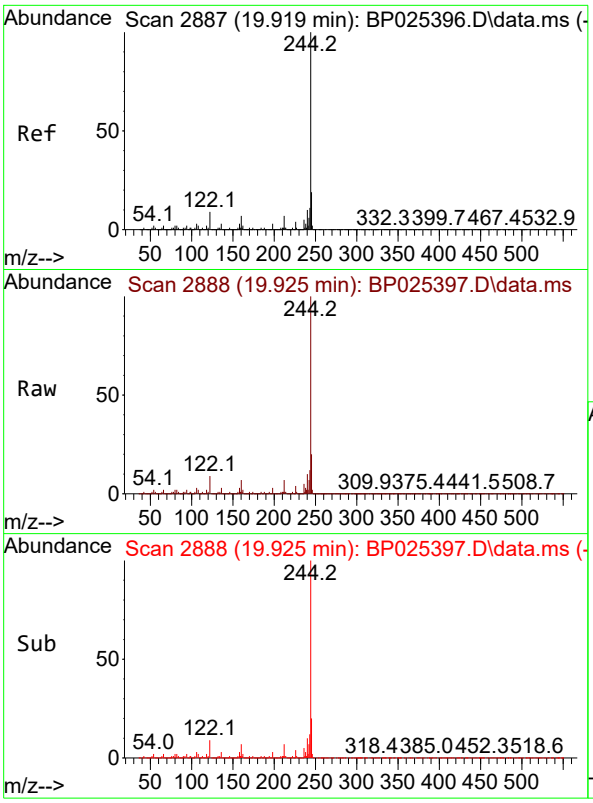


#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.4	14.2	21.2

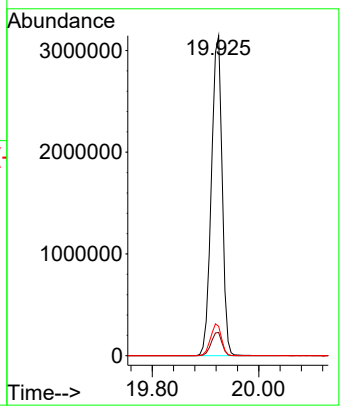




#79
Terphenyl-d14
Concen: 100.615 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:244 Resp: 440909

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.2	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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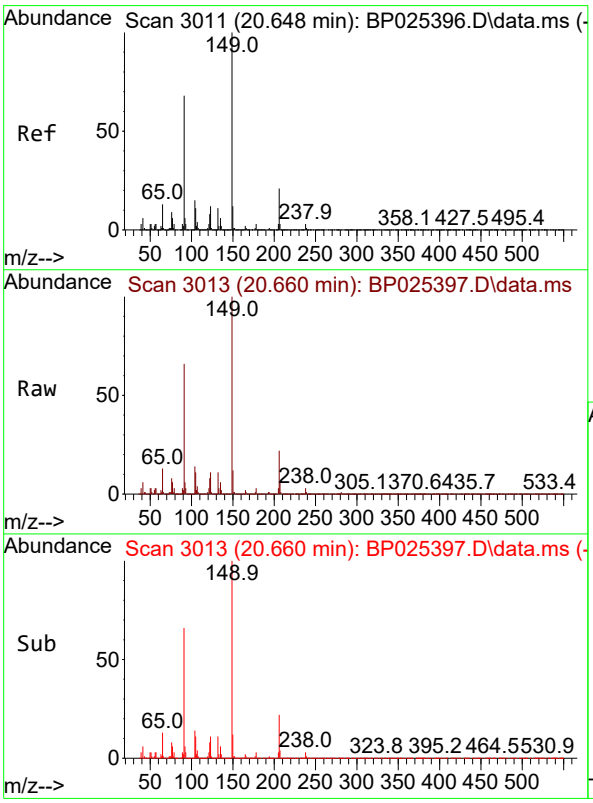
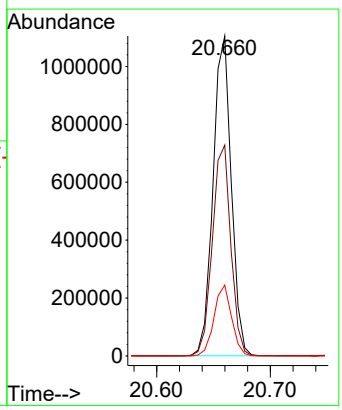
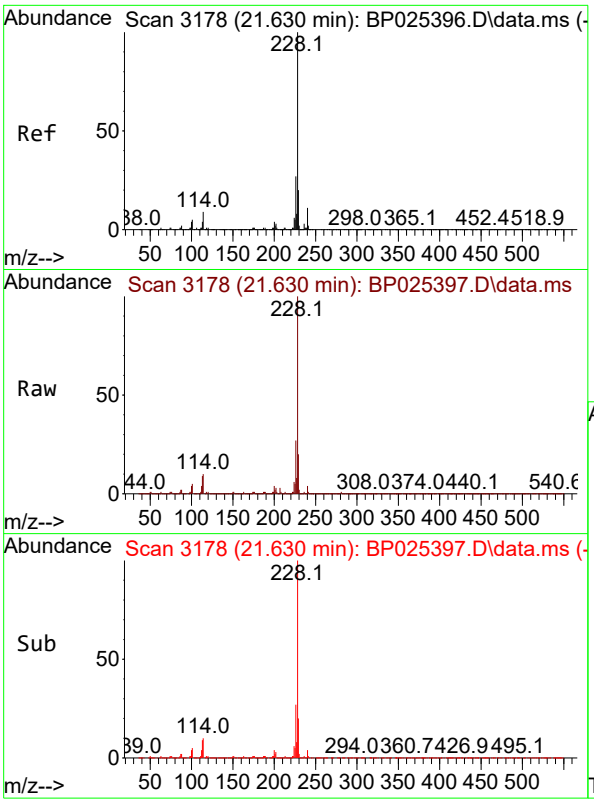


#80
Butylbenzylphthalate
Concen: 52.139 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1231376

Ion	Ratio	Lower	Upper
149	100		
91	65.9	54.2	81.2
206	22.2	16.6	24.8

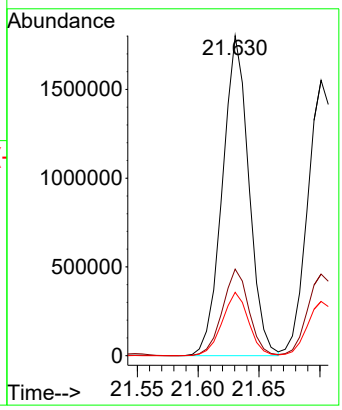




#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:228 Resp: 272300

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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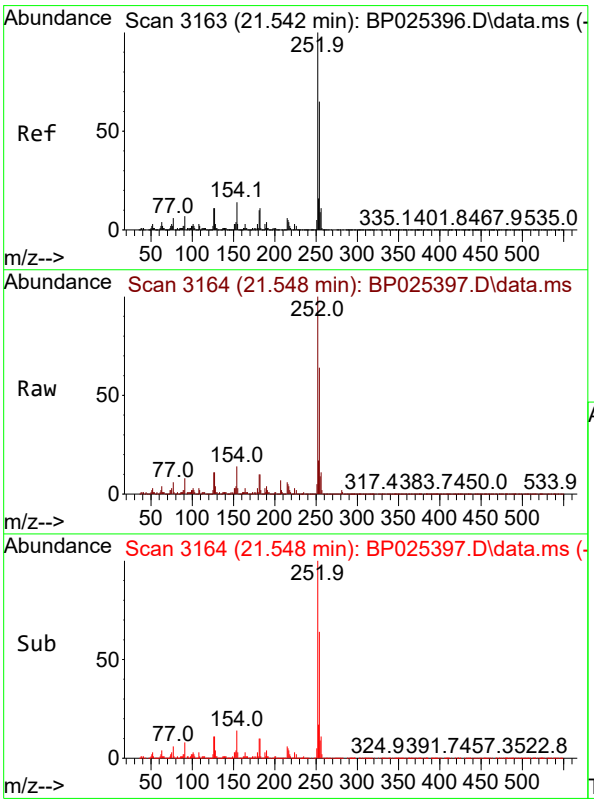
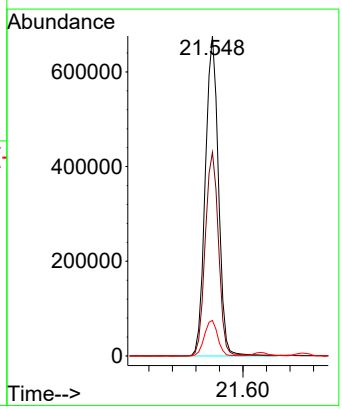
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

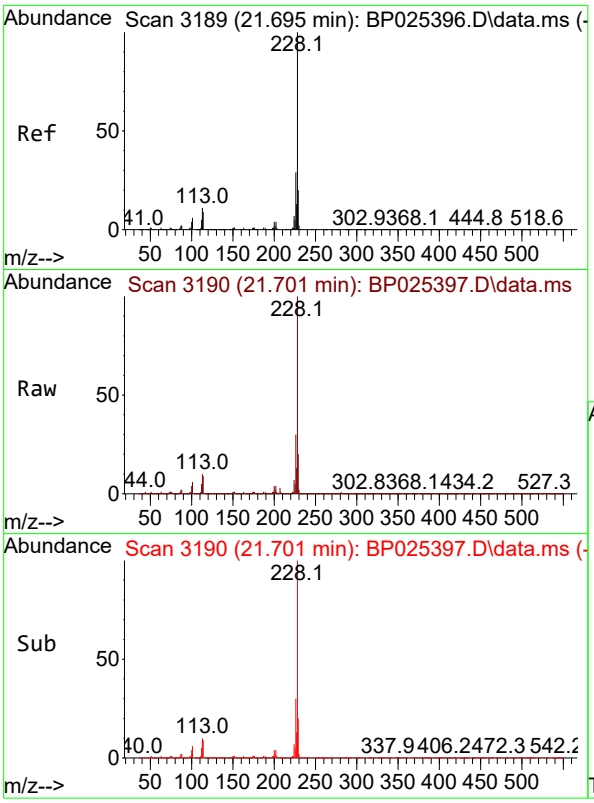


#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 1043476

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.8	77.6
126	11.1	9.1	13.7

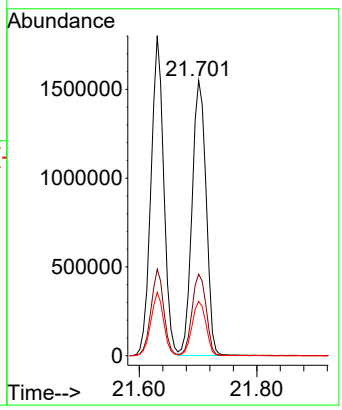




#83
Chrysene
Concen: 51.817 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:228 Resp: 256585

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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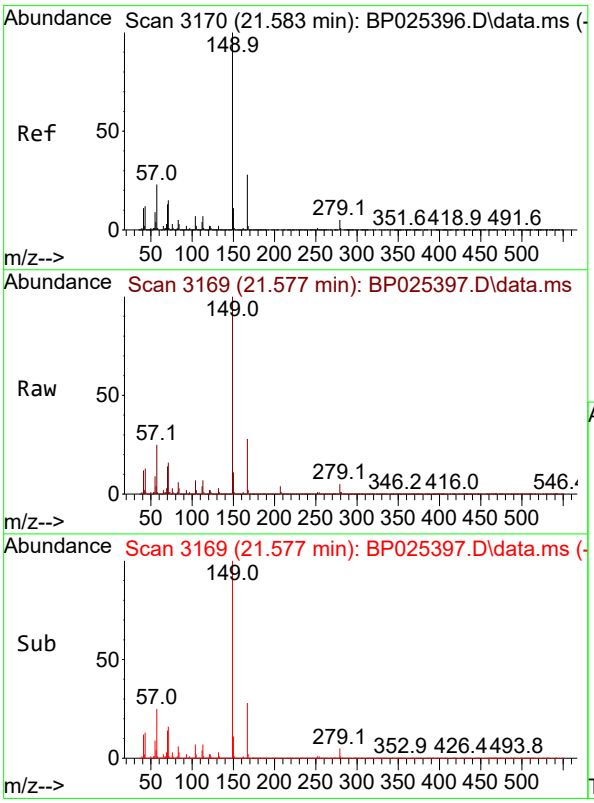
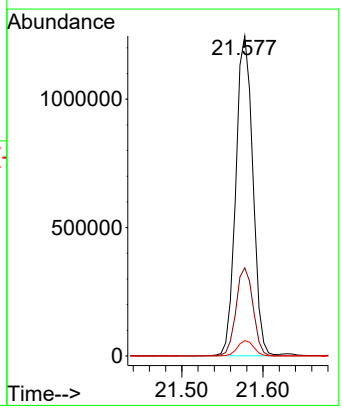
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

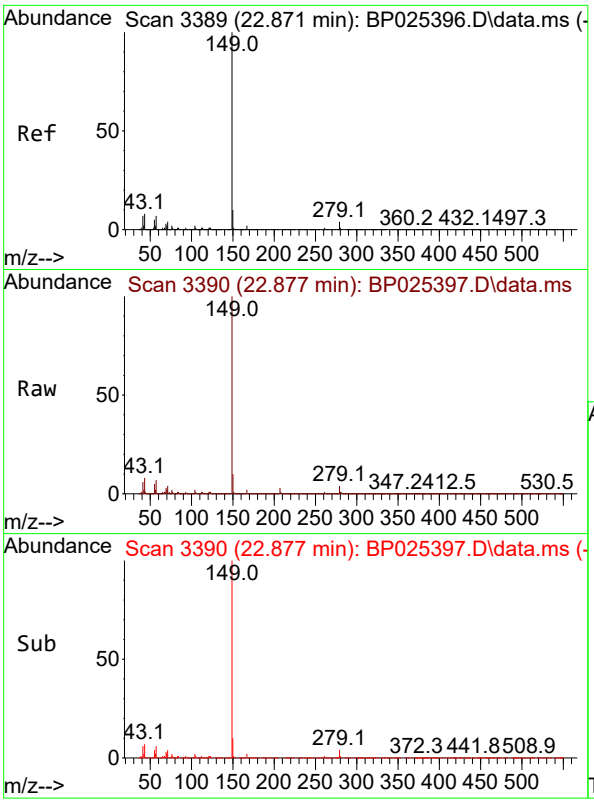


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.933 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1805478

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.8	3.8	5.6

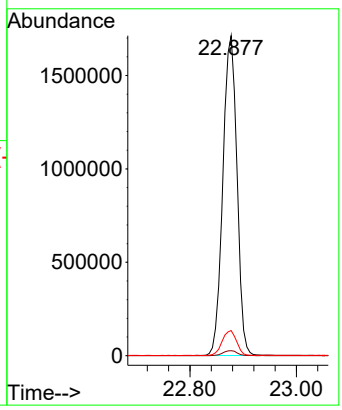




#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 315082

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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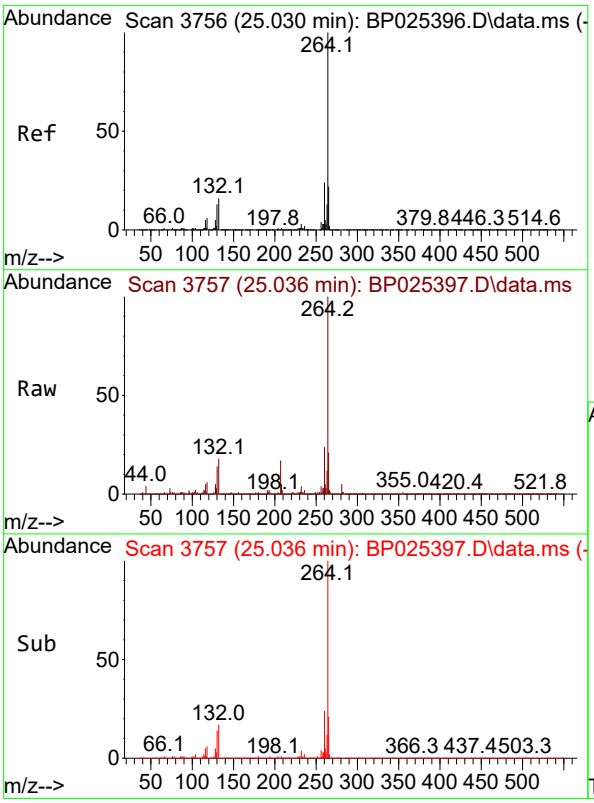
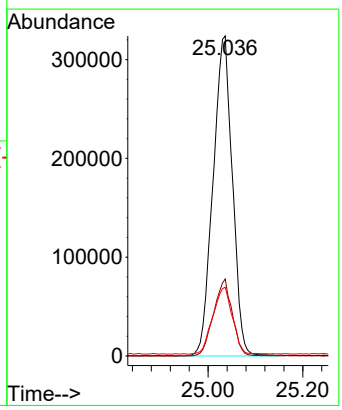
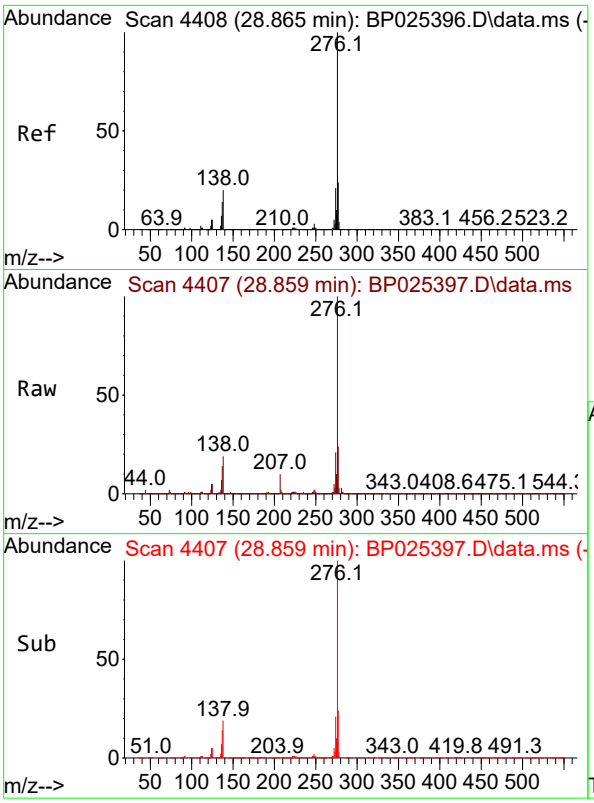


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.5	17.4	26.0

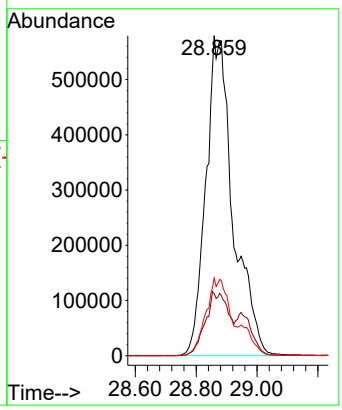




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.463 ng m
RT: 28.859 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:276 Resp: 360417

Ion	Ratio	Lower	Upper
276	100		
138	8.3	12.9	19.3#
277	9.7	17.0	25.6#



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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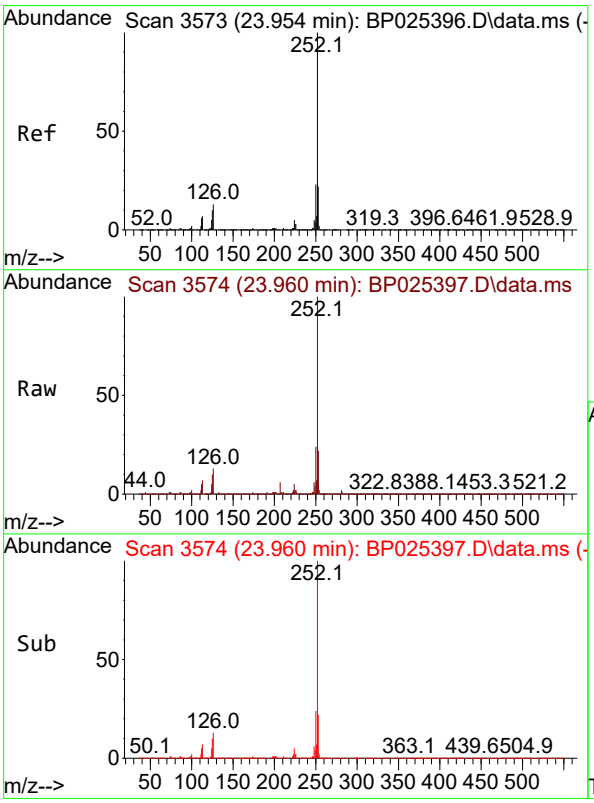
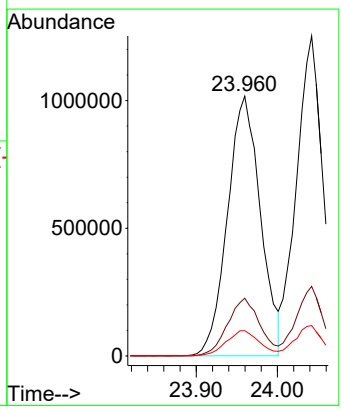
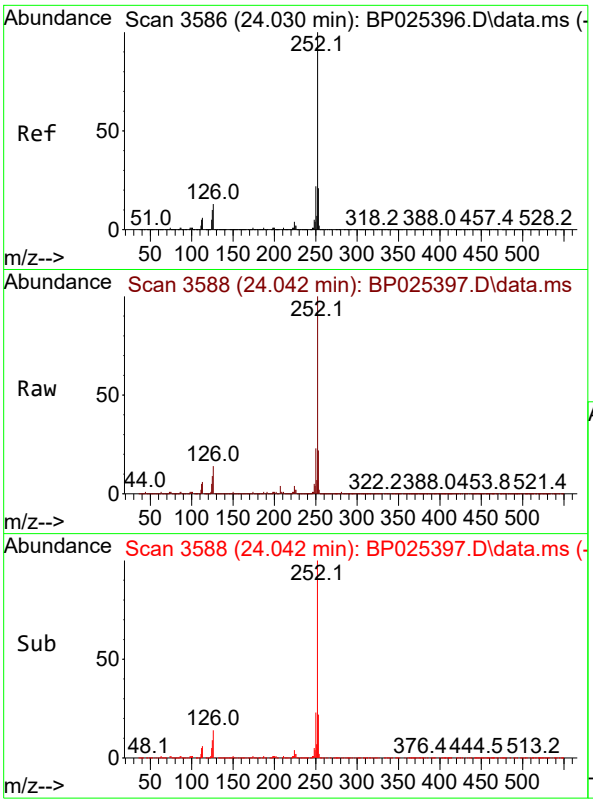


#88
Benzo(b)fluoranthene
Concen: 52.982 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2870971

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.8	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 281727

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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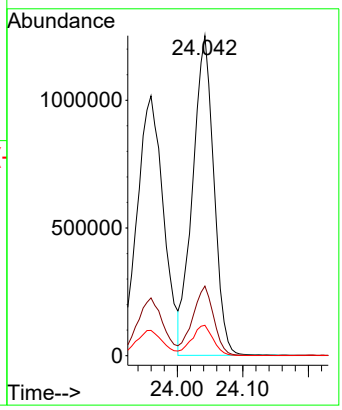
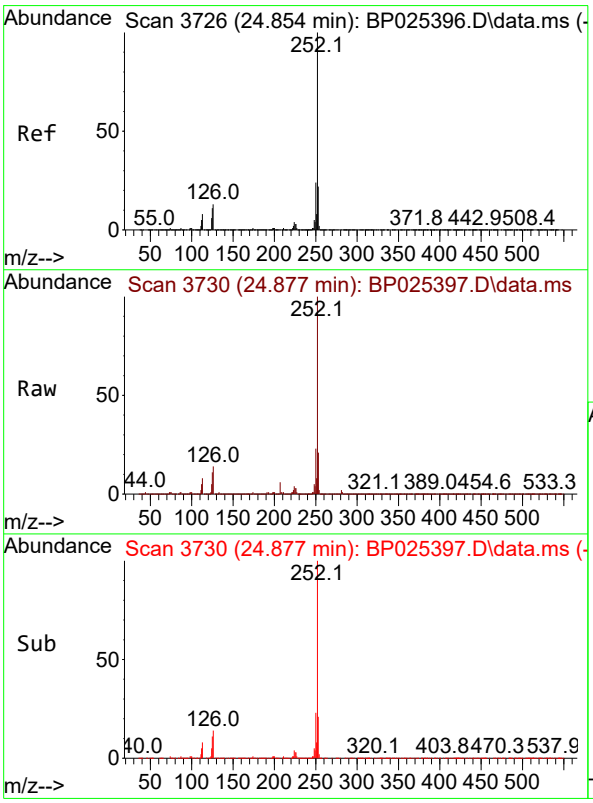
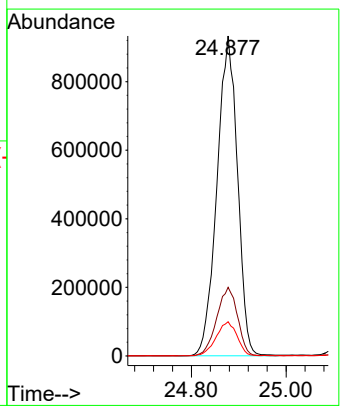


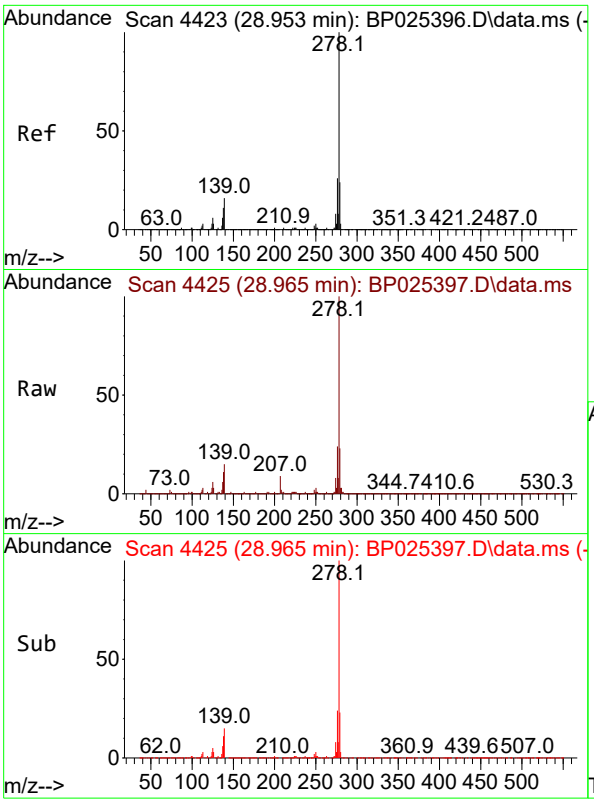


#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2800880

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.7	8.7	13.1

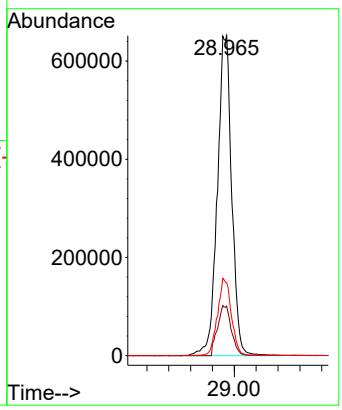




#91
Dibenzo(a,h)anthracene
Concen: 53.795 ng
RT: 28.965 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:278 Resp: 296262

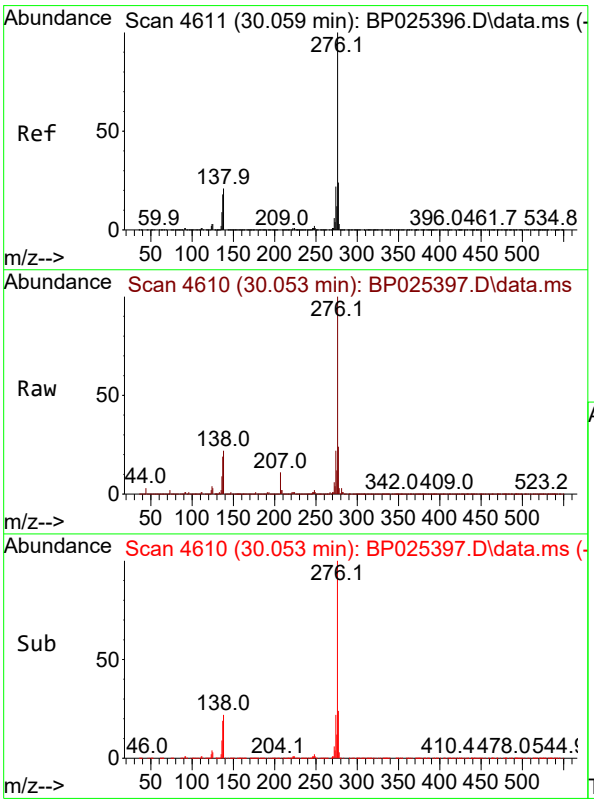
Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	22.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

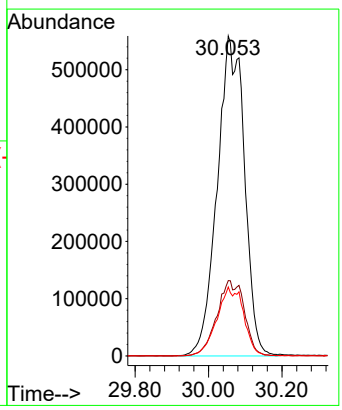
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 52.960 ng m
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:276 Resp: 2866689

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.6	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	162248	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	693237	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	460439	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	923402	20.000	ng		0.01
76) Chrysene-d12	21.666	240	926019	20.000	ng		0.02
86) Perylene-d12	25.042	264	1081163	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1193329	122.144	ng		0.00
7) Phenol-d6	6.972	99	1566626	125.072	ng		0.00
23) Nitrobenzene-d5	8.931	82	1698557	123.944	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	760738	122.748	ng		0.01
45) 2-Fluorobiphenyl	13.025	172	3963871	117.656	ng		0.00
79) Terphenyl-d14	19.930	244	5896004	116.490	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	225015	58.799	ng		99
3) Pyridine	3.731	79	623639	59.539	ng		97
4) n-Nitrosodimethylamine	3.637	42	269971	62.518	ng		100
6) Aniline	7.125	93	1053232	62.408	ng		99
8) 2-Chlorophenol	7.366	128	688094	62.413	ng		100
9) Benzaldehyde	6.943	77	489205	55.745	ng		97
10) Phenol	7.002	94	821863	62.530	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	634374	61.925	ng		99
12) 1,3-Dichlorobenzene	7.684	146	744884	61.273	ng		99
13) 1,4-Dichlorobenzene	7.825	146	751354	60.469	ng		100
14) 1,2-Dichlorobenzene	8.143	146	723663	60.165	ng		99
15) Benzyl Alcohol	8.025	79	627198	63.019	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	846896	61.712	ng		99
17) 2-Methylphenol	8.225	107	579471	63.480	ng		99
18) Hexachloroethane	8.866	117	281129	61.535	ng		95
19) n-Nitroso-di-n-propyla...	8.590	70	507223	61.060	ng		98
20) 3+4-Methylphenols	8.555	107	798107	63.075	ng		96
22) Acetophenone	8.602	105	1051848	60.503	ng	#	99
24) Nitrobenzene	8.978	77	752762	61.461	ng		98
25) Isophorone	9.502	82	1475193	60.825	ng		99
26) 2-Nitrophenol	9.678	139	405821	64.564	ng		98
27) 2,4-Dimethylphenol	9.743	122	675186	62.463	ng		100
28) bis(2-Chloroethoxy)met...	9.972	93	894872	61.040	ng		99
29) 2,4-Dichlorophenol	10.213	162	673952	62.764	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	715954	60.823	ng		98
31) Naphthalene	10.613	128	2187912	60.722	ng		100
32) Benzoic acid	9.907	122	530609	66.651	ng		98
33) 4-Chloroaniline	10.713	127	993155	62.401	ng		99
34) Hexachlorobutadiene	10.901	225	442929	60.421	ng		100
35) Caprolactam	11.513	113	241521	61.340	ng		95
36) 4-Chloro-3-methylphenol	11.843	107	764338	62.033	ng		98
37) 2-Methylnaphthalene	12.219	142	1418882	60.511	ng		99
38) 1-Methylnaphthalene	12.437	142	1494304	59.925	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	802737	60.365	ng		100
41) Hexachlorocyclopentadiene	12.572	237	536440	66.784	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	564165	62.841	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

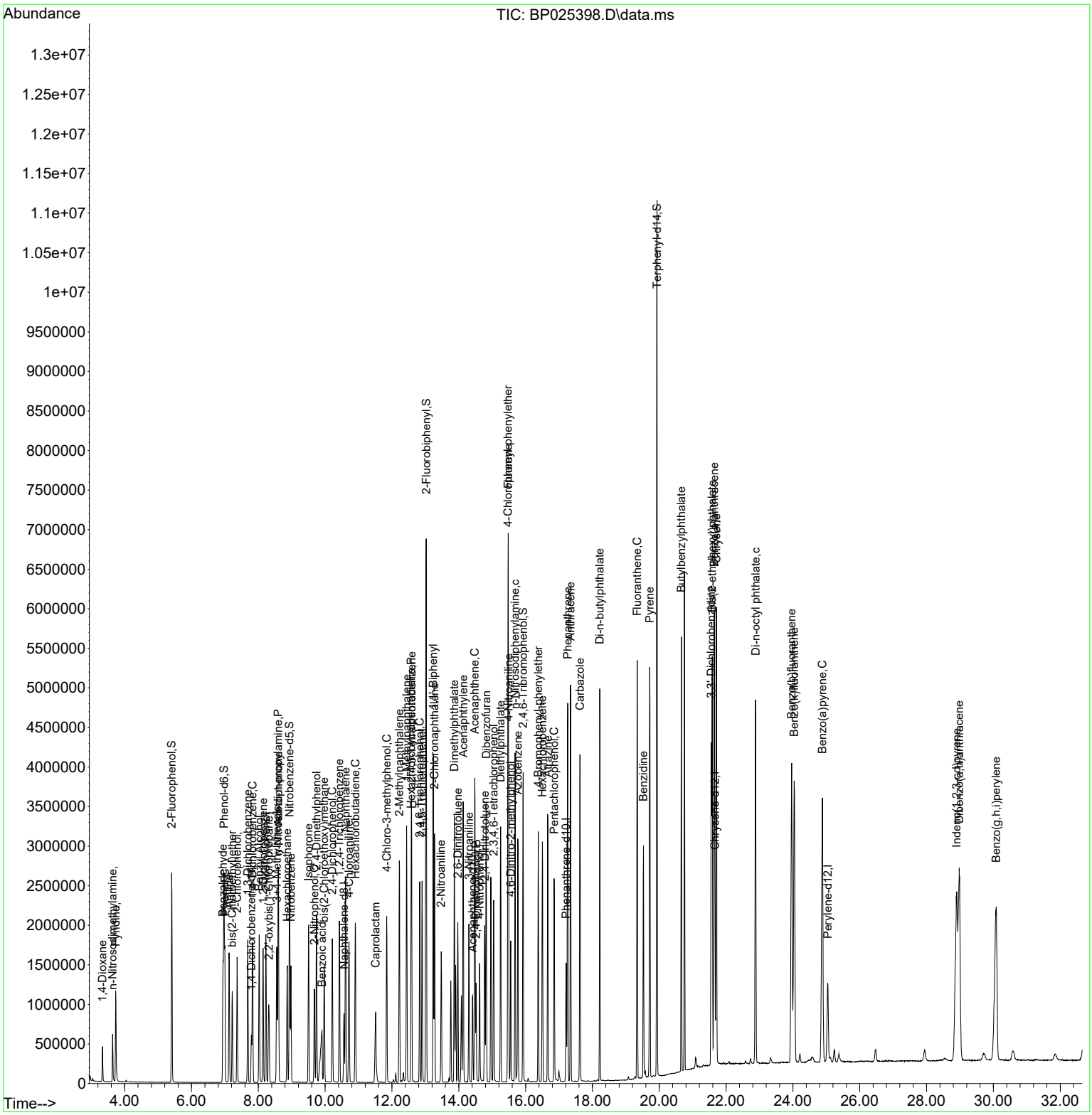
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	619246	62.937	ng	97
46) 1,1'-Biphenyl	13.237	154	1996186	59.695	ng	99
47) 2-Chloronaphthalene	13.272	162	1577577	60.600	ng	99
48) 2-Nitroaniline	13.472	65	485429	63.996	ng	100
49) Acenaphthylene	14.131	152	2634005	61.147	ng	99
50) Dimethylphthalate	13.866	163	2042324	60.572	ng	99
51) 2,6-Dinitrotoluene	13.972	165	446520	62.831	ng	100
52) Acenaphthene	14.478	154	1527191	60.399	ng	100
53) 3-Nitroaniline	14.301	138	506373	63.331	ng	96
54) 2,4-Dinitrophenol	14.519	184	265089	69.849	ng	98
55) Dibenzofuran	14.819	168	2387933	59.734	ng	100
56) 4-Nitrophenol	14.625	139	419801	63.893	ng	99
57) 2,4-Dinitrotoluene	14.778	165	650054	64.112	ng	96
58) Fluorene	15.478	166	1836972	58.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.042	232	541317	62.307	ng	100
60) Diethylphthalate	15.254	149	2015888	58.840	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	926280	59.044	ng	99
62) 4-Nitroaniline	15.489	138	510438	62.272	ng	99
63) Azobenzene	15.766	77	1796580	61.242	ng	99
65) 4,6-Dinitro-2-methylph...	15.554	198	385873	67.038	ng	98
66) n-Nitrosodiphenylamine	15.684	169	1674806	59.478	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	616767	60.731	ng	97
68) Hexachlorobenzene	16.501	284	711778	60.461	ng	100
69) Atrazine	16.666	200	633381	60.063	ng	99
70) Pentachlorophenol	16.854	266	474276	63.820	ng	97
71) Phenanthrene	17.260	178	3006132	59.263	ng	100
72) Anthracene	17.342	178	3050794	58.895	ng	99
73) Carbazole	17.625	167	2916606	59.776	ng	99
74) Di-n-butylphthalate	18.219	149	3560427	59.310	ng	100
75) Fluoranthene	19.342	202	3563798	58.899	ng	99
77) Benzidine	19.525	184	1690432	53.489	ng	99
78) Pyrene	19.713	202	3664453	60.883	ng	100
80) Butylbenzylphthalate	20.660	149	1710246	62.697	ng	99
81) Benzo(a)anthracene	21.648	228	3702064	60.619	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1405597	61.062	ng	100
83) Chrysene	21.707	228	3453736	60.387	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	2450963	61.038	ng	100
85) Di-n-octyl phthalate	22.883	149	4342211	62.869	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	4937235	62.248	ng	96
88) Benzo(b)fluoranthene	23.960	252	3883465	60.914	ng	99
89) Benzo(k)fluoranthene	24.036	252	3912900	61.334	ng	99
90) Benzo(a)pyrene	24.883	252	3845093	61.959	ng	99
91) Dibenzo(a,h)anthracene	28.977	278	4035414	62.280	ng	98
92) Benzo(g,h,i)perylene	30.083	276	3958545	62.159	ng	100

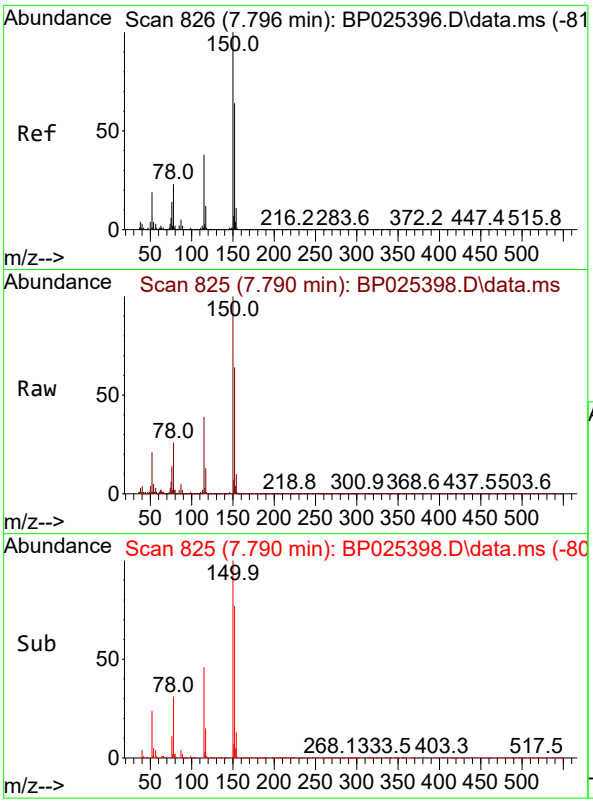
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025398.D
Acq On : 14 Aug 2025 16:42
Operator : CG/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Aug 14 17:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



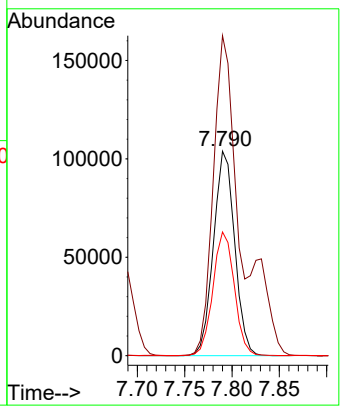


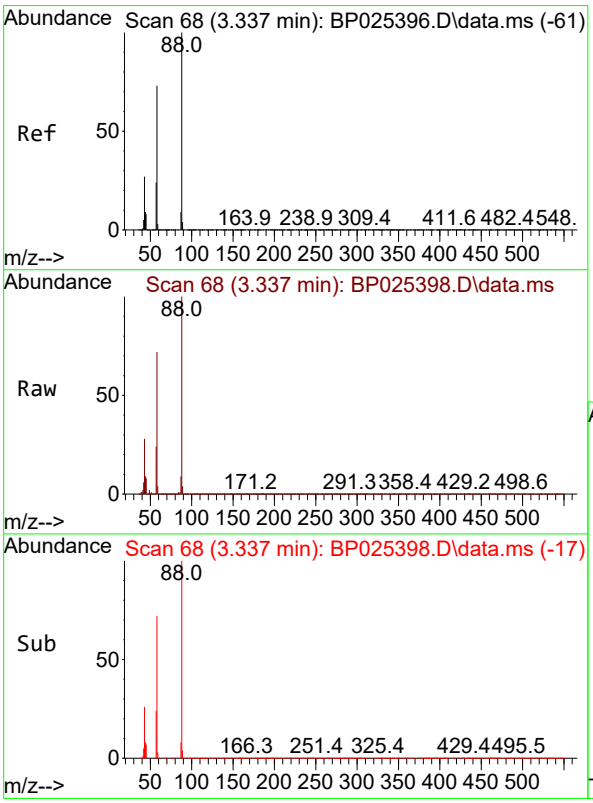
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 162248

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.9	188.9
115	60.5	48.5	72.7

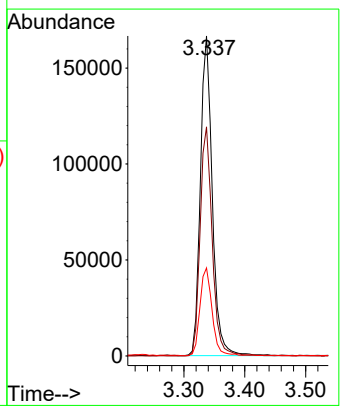


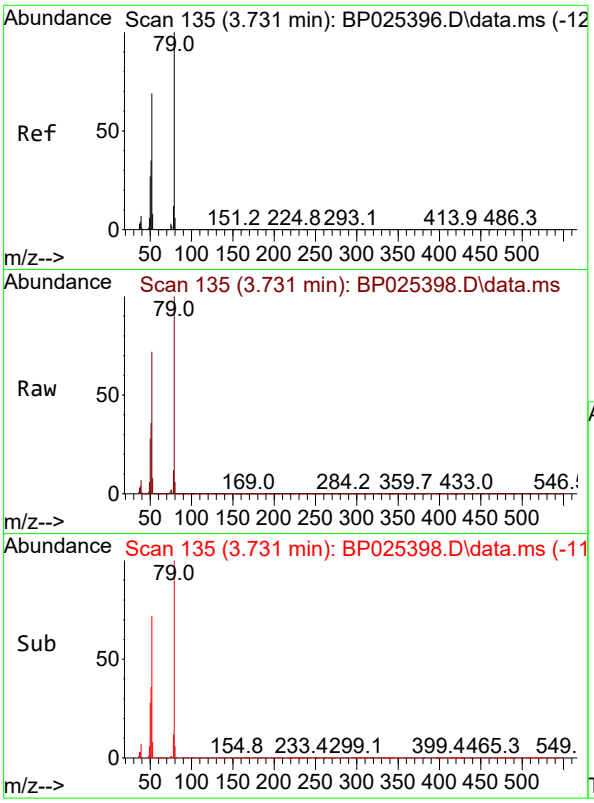


#2
1,4-Dioxane
Concen: 58.799 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 88 Resp: 225015

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	27.9	21.7	32.5



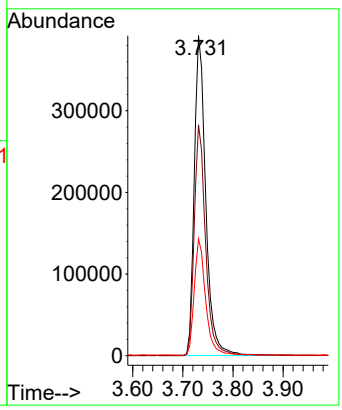


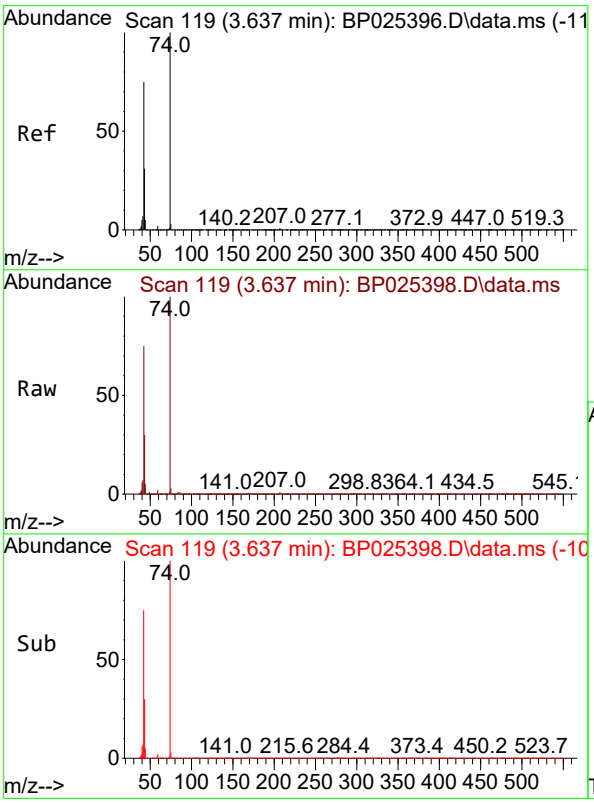
#3
Pyridine
Concen: 59.539 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 623639

Ion	Ratio	Lower	Upper
79	100		
52	72.1	55.5	83.3
51	36.5	28.3	42.5

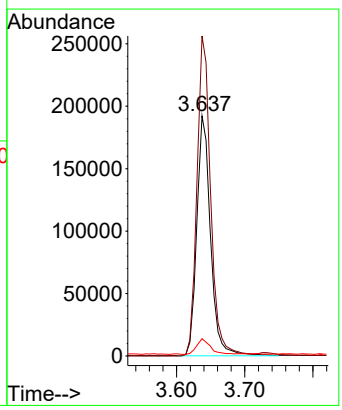


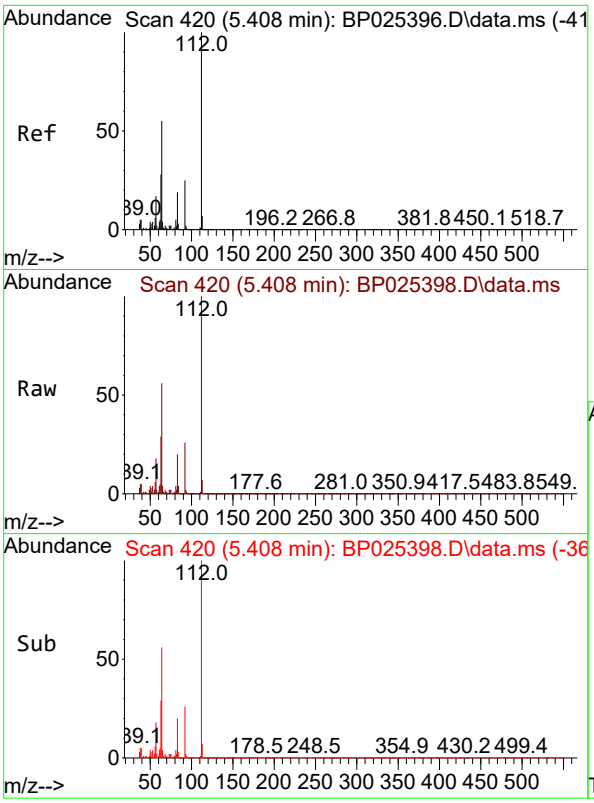


#4
n-Nitrosodimethylamine
Concen: 62.518 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 42 Resp: 269971

Ion	Ratio	Lower	Upper
42	100		
74	133.4	107.0	160.4
44	7.2	6.2	9.4



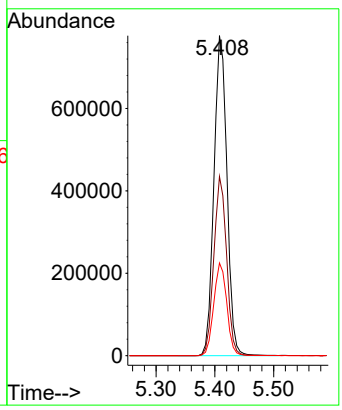


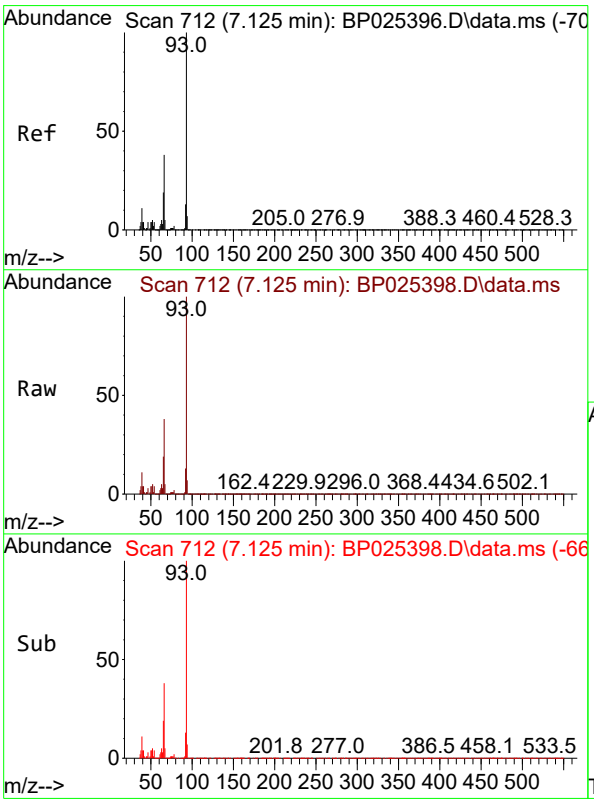
#5
2-Fluorophenol
Concen: 122.144 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1193329

Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.8	65.8
63	29.0	22.7	34.1

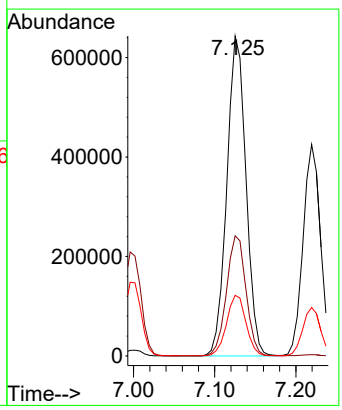


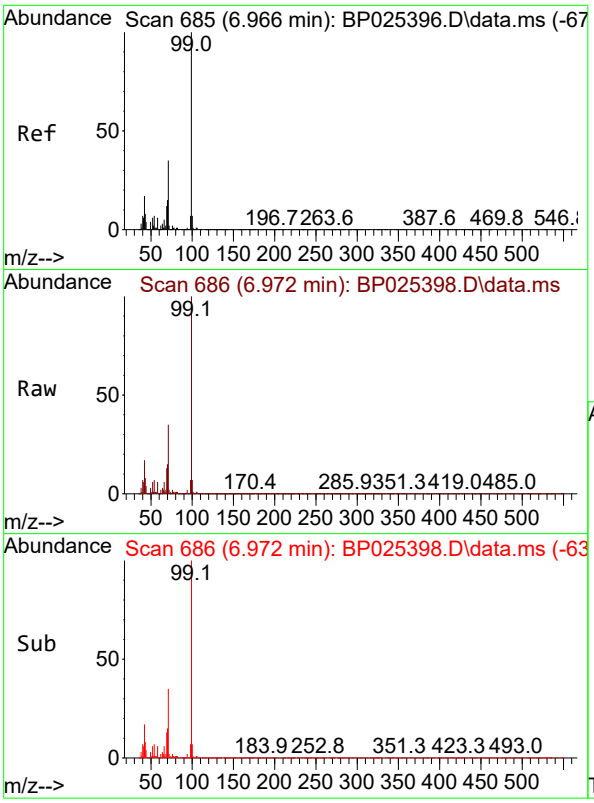


#6
Aniline
Concen: 62.408 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 1053232

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.4	45.6
65	18.9	15.3	22.9



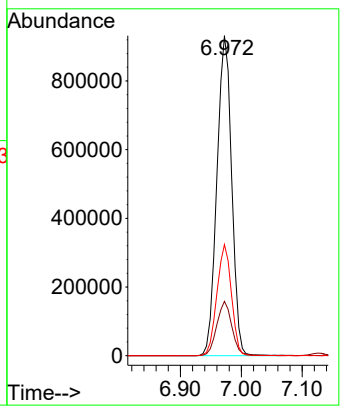


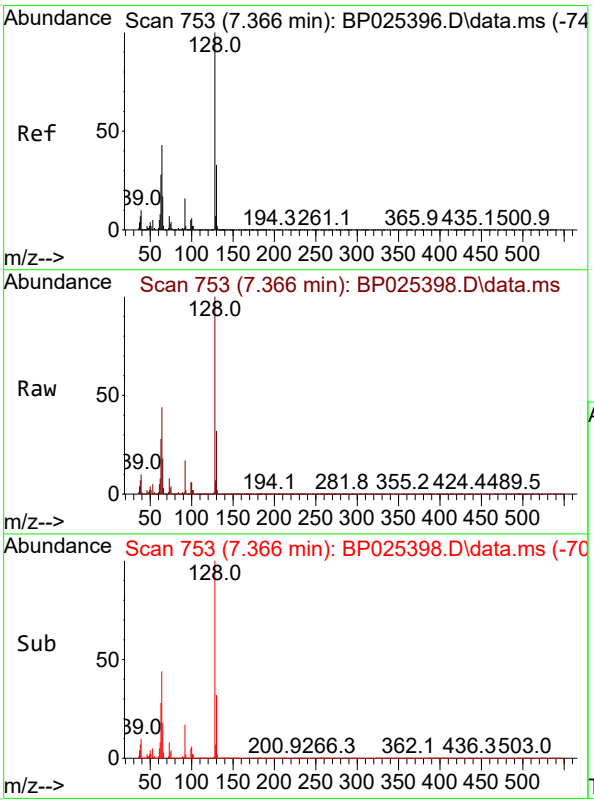
#7
Phenol-d6
Concen: 125.072 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1566626

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	34.8	28.2	42.4

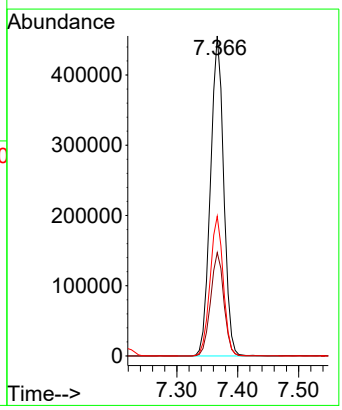


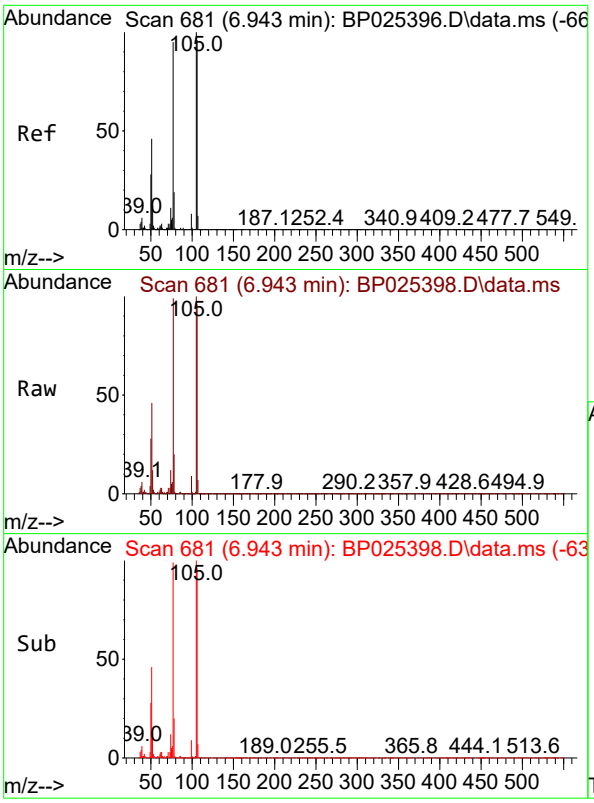


#8
2-Chlorophenol
Concen: 62.413 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:128 Resp: 688094

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	43.7	23.4	63.4



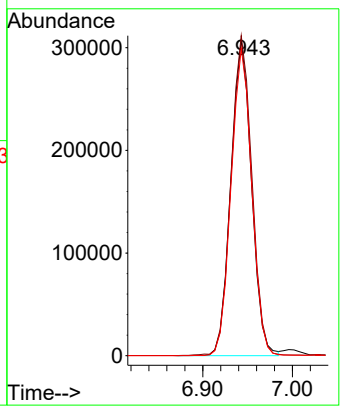


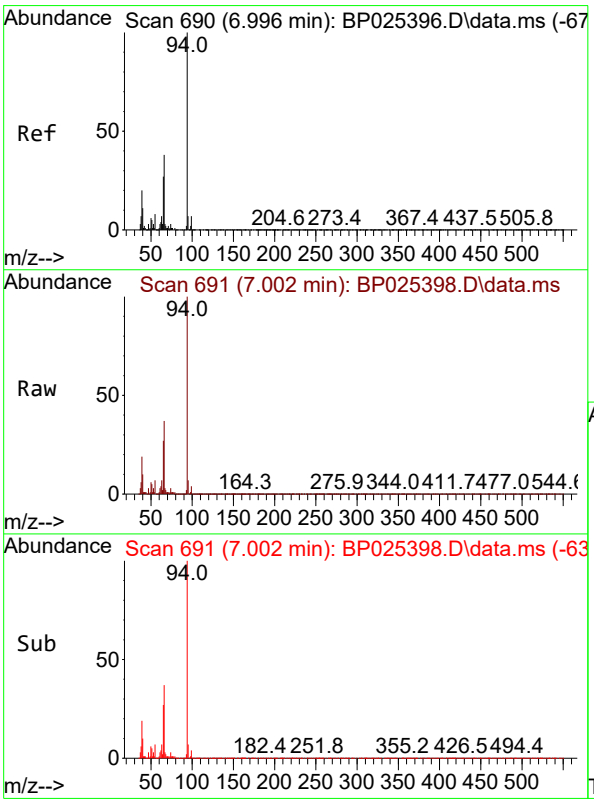
#9
Benzaldehyde
Concen: 55.745 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 489205

Ion	Ratio	Lower	Upper
77	100		
105	101.4	84.8	124.8
106	97.4	80.5	120.5

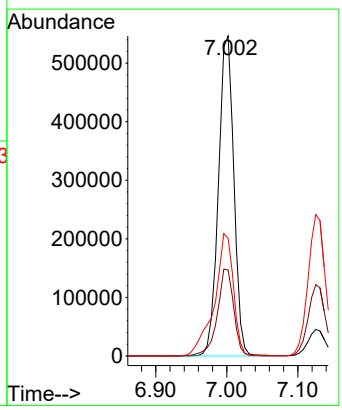


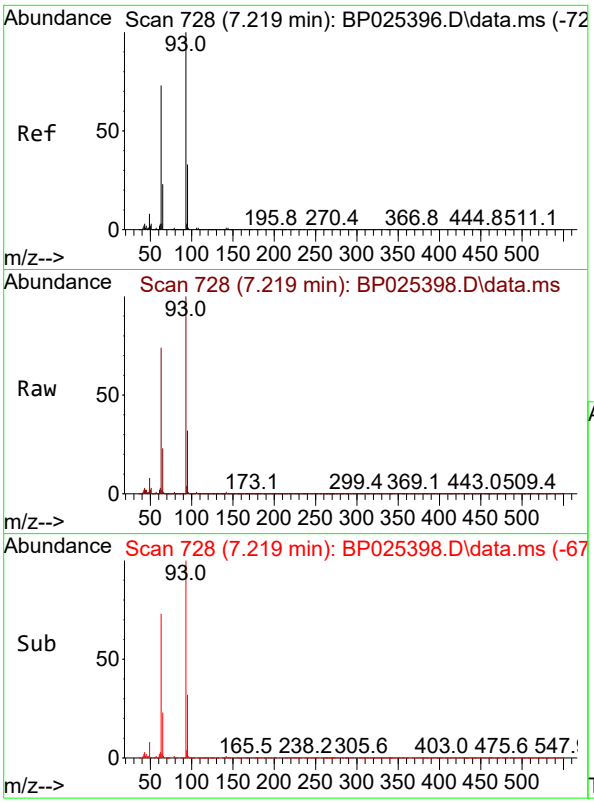


#10
Phenol
Concen: 62.530 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 94 Resp: 821863

Ion	Ratio	Lower	Upper
94	100		
65	26.9	6.8	46.8
66	36.8	18.2	58.2



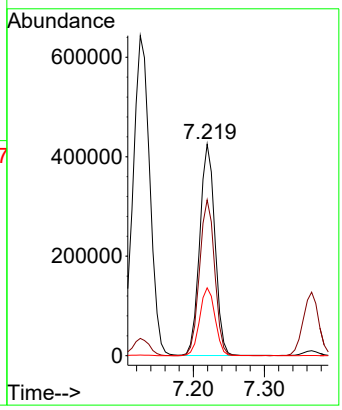


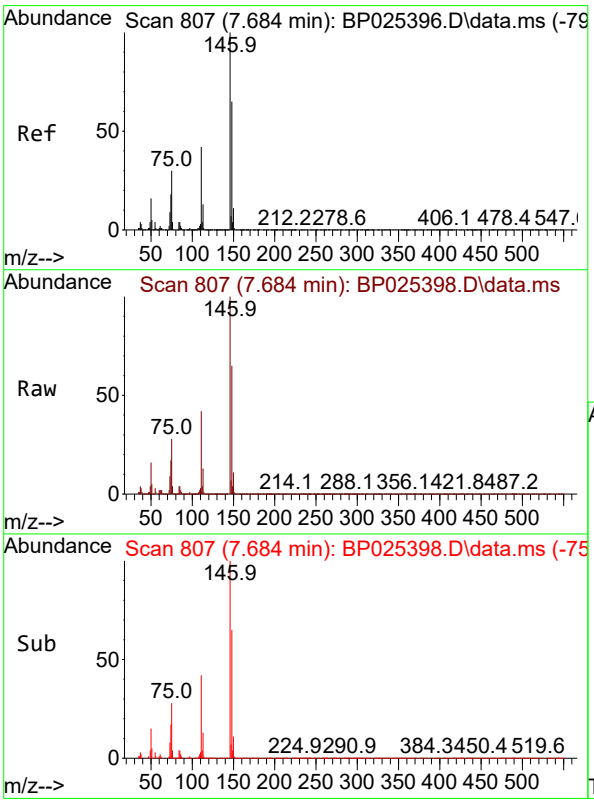
#11
bis(2-Chloroethyl)ether
Concen: 61.925 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 634374

Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	32.0	12.7	52.7

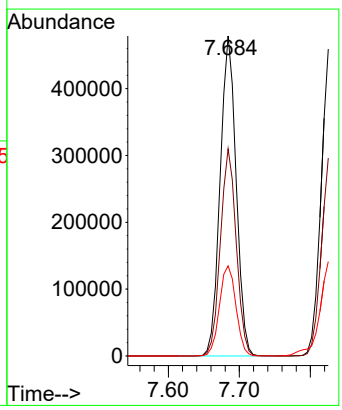


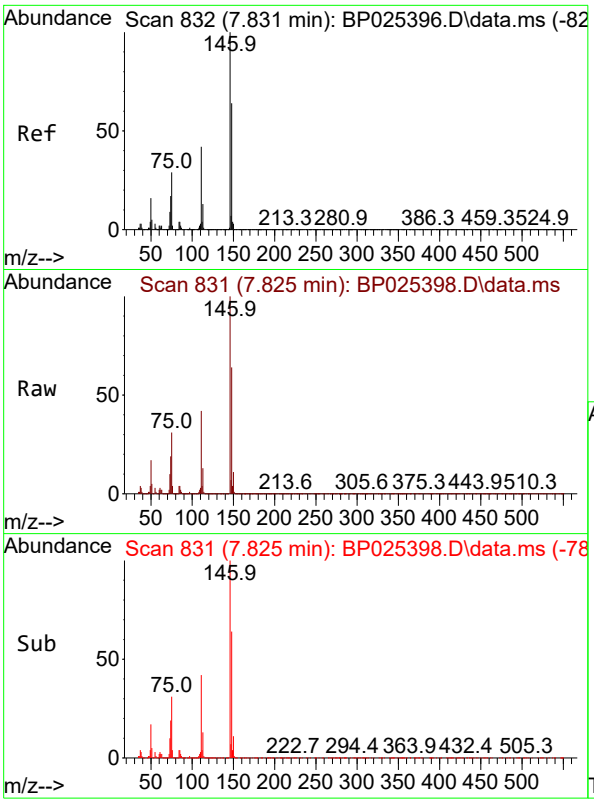


#12
1,3-Dichlorobenzene
Concen: 61.273 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:146 Resp: 744884

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	28.2	23.7	35.5



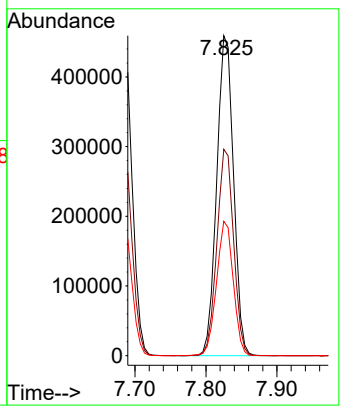


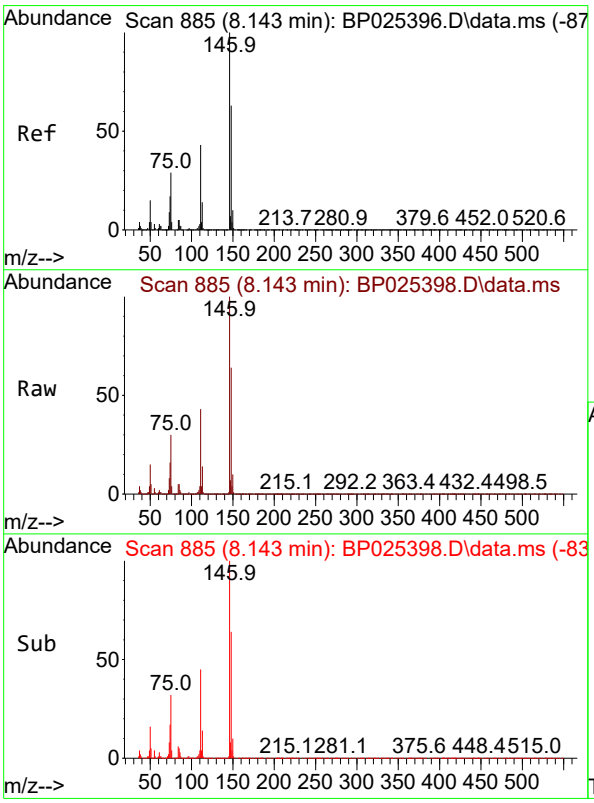
#13
1,4-Dichlorobenzene
Concen: 60.469 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 751354

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	42.0	33.4	50.0

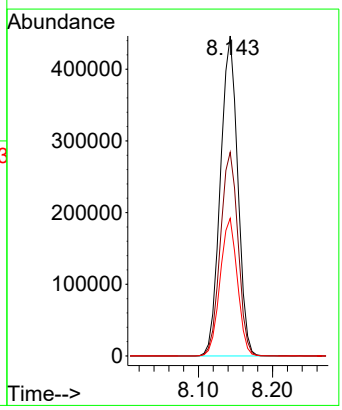


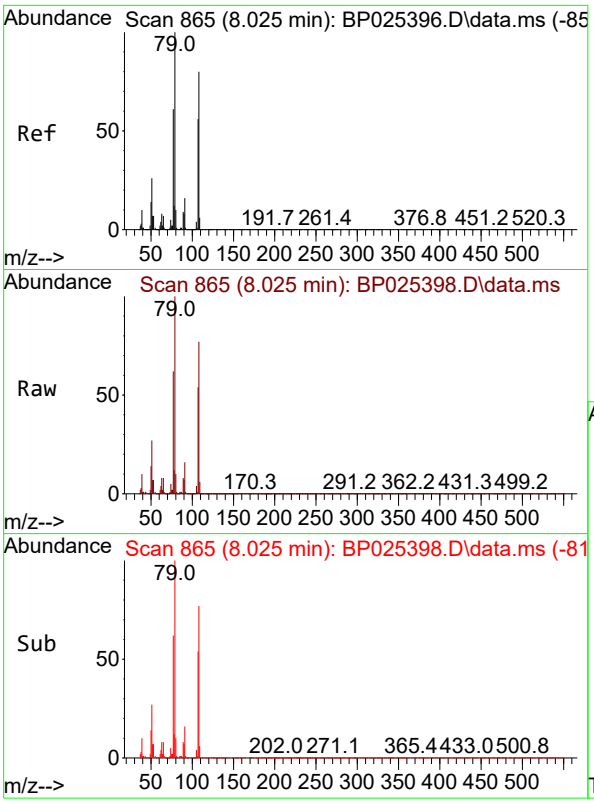


#14
1,2-Dichlorobenzene
Concen: 60.165 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:146 Resp: 723663

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	43.0	34.5	51.7



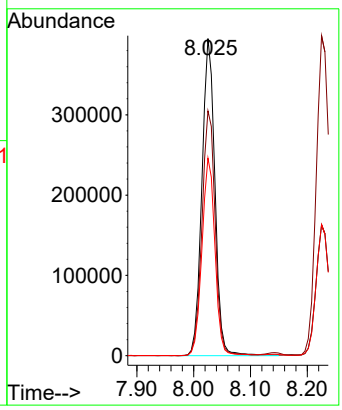


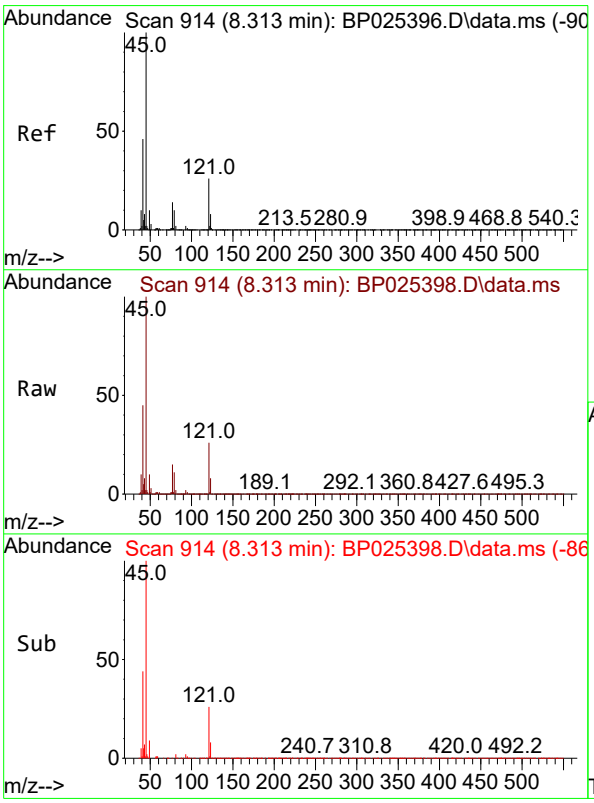
#15
Benzyl Alcohol
Concen: 63.019 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 627198

Ion	Ratio	Lower	Upper
79	100		
108	77.2	63.8	95.6
77	62.3	49.0	73.4

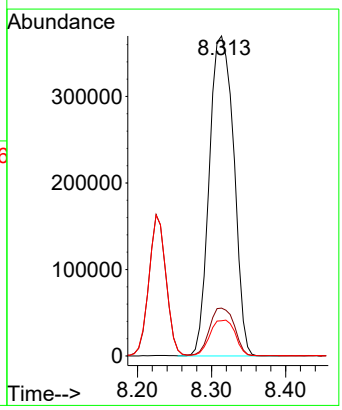


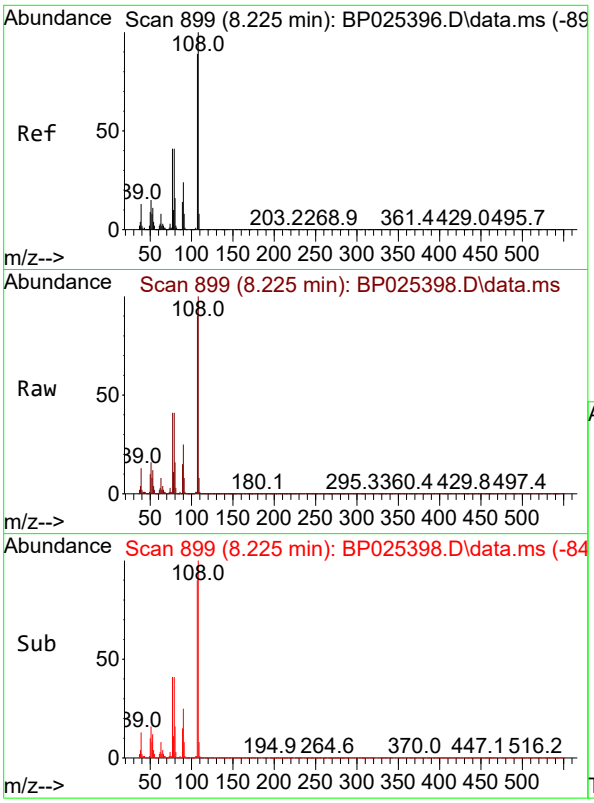


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.712 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 45 Resp: 846896

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	35.3
79	11.0	0.0	31.8



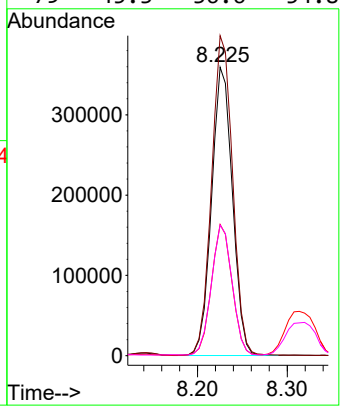


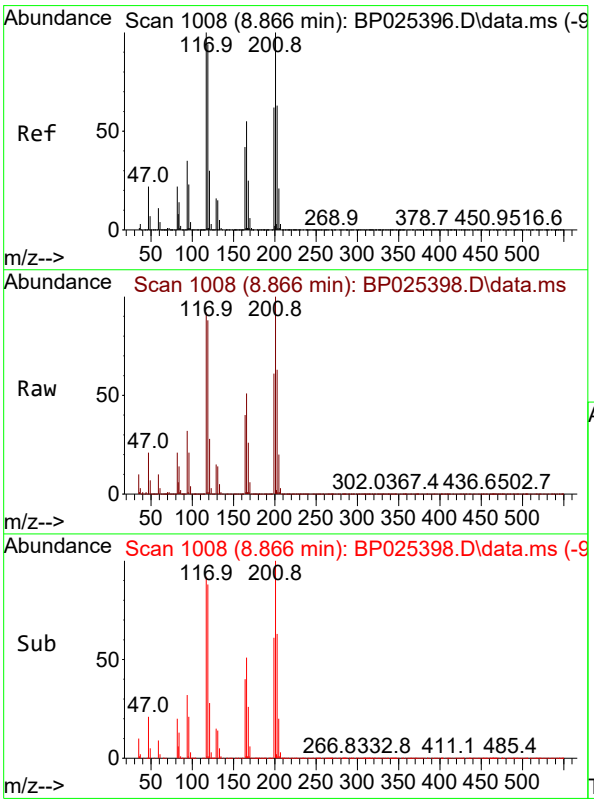
#17
2-Methylphenol
Concen: 63.480 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 579471

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8

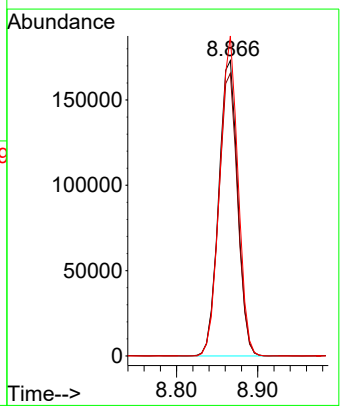


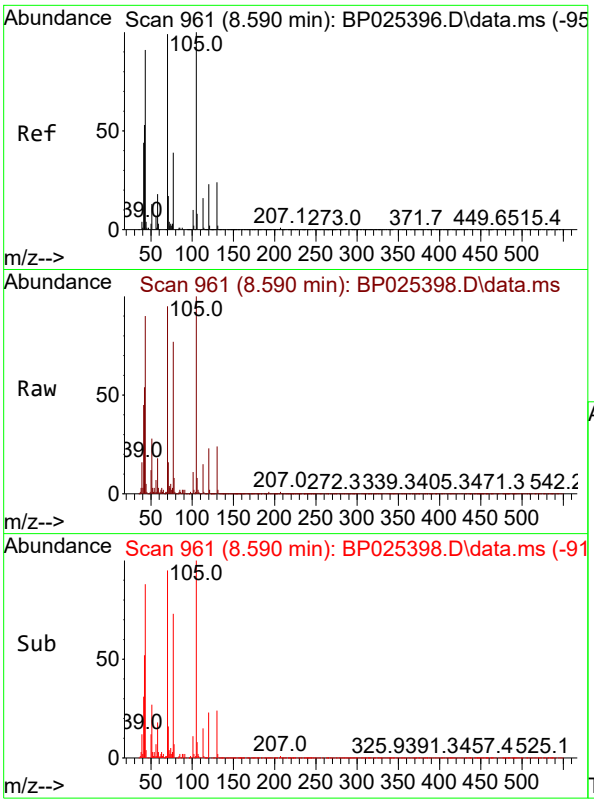


#18
Hexachloroethane
Concen: 61.535 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:117 Resp: 281129

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
201	108.4	80.1	120.1



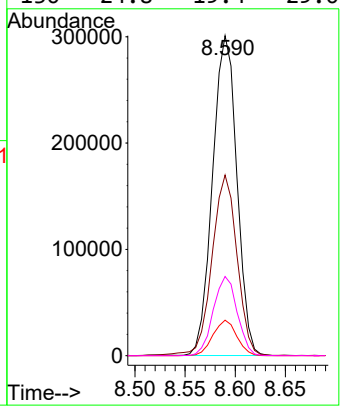


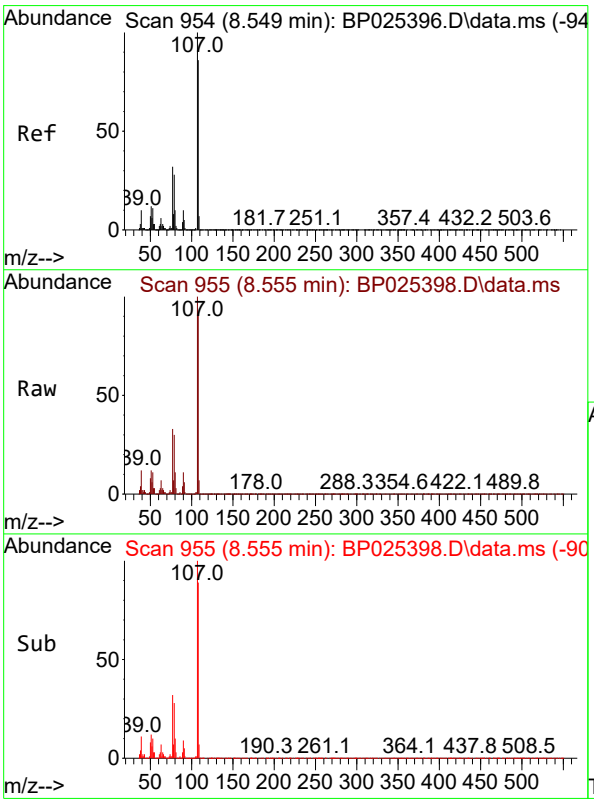
#19
n-Nitroso-di-n-propylamine
Concen: 61.060 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 507223

Ion	Ratio	Lower	Upper
70	100		
42	56.5	43.8	65.6
101	11.1	8.5	12.7
130	24.8	19.4	29.0

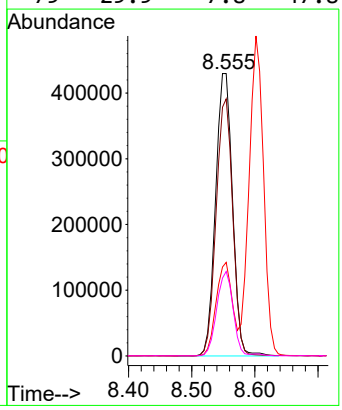


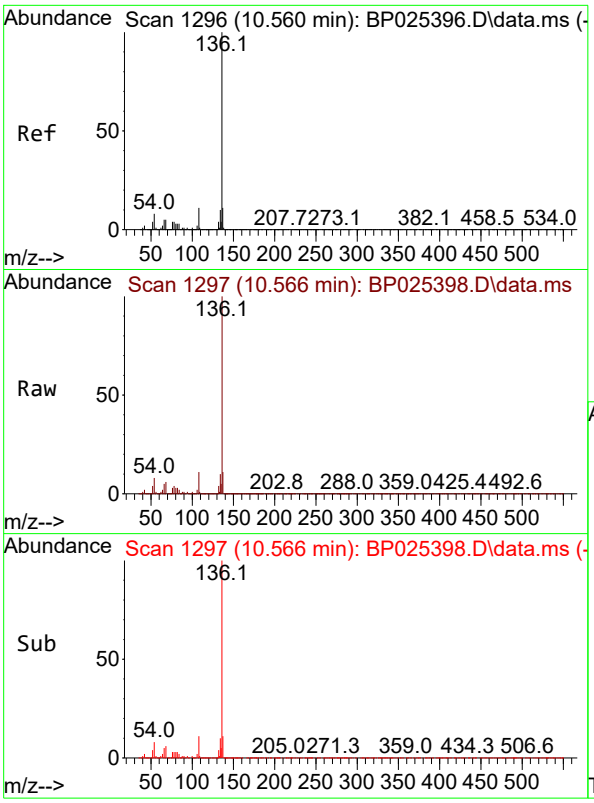


#20
3+4-Methylphenols
Concen: 63.075 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 798107

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.3	106.3
77	33.1	12.3	52.3
79	29.9	7.8	47.8



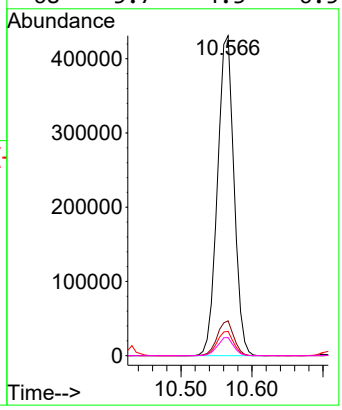


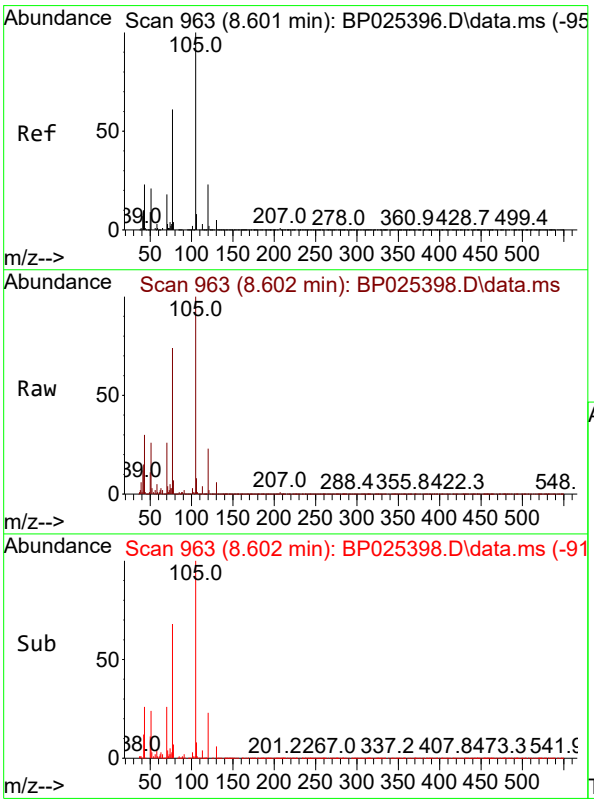
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 693237

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5

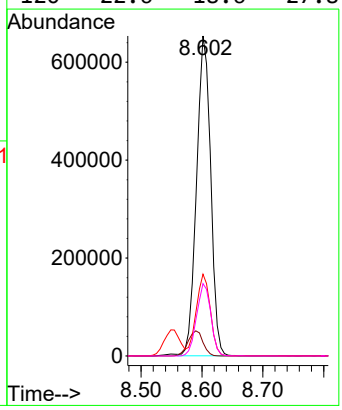


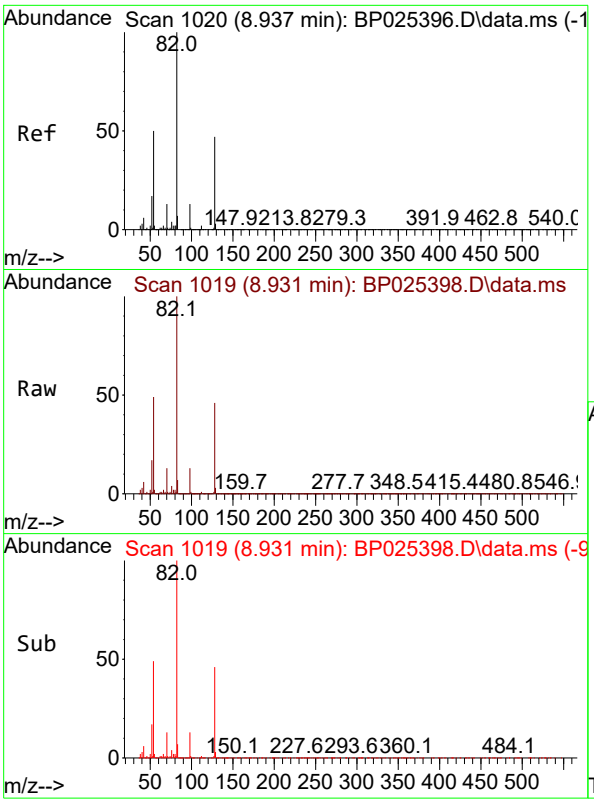


#22
Acetophenone
Concen: 60.503 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:105 Resp: 1051848

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	25.5	20.6	30.8
120	22.6	18.6	27.8



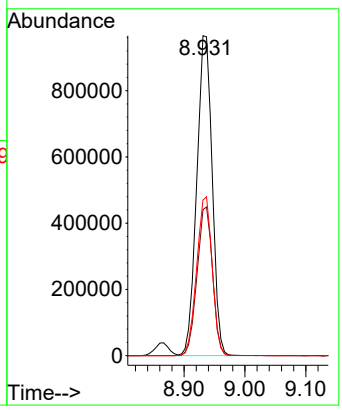


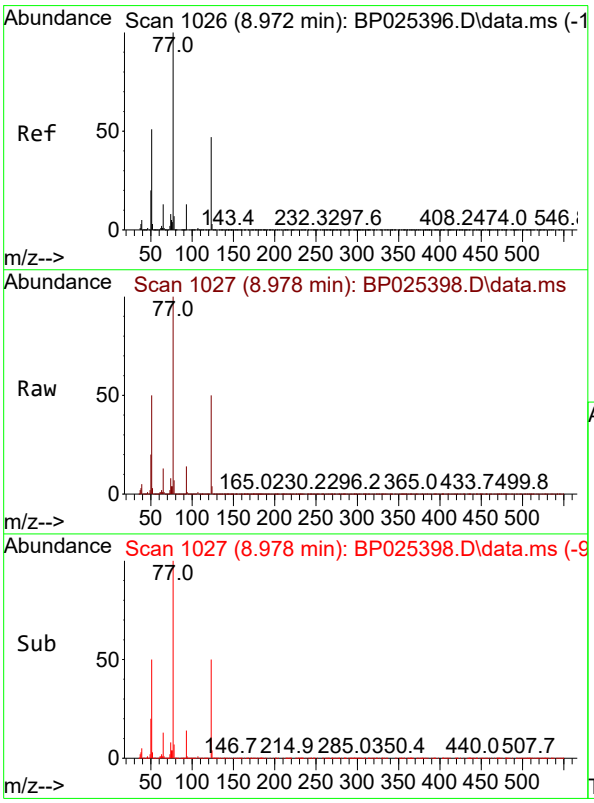
#23
Nitrobenzene-d5
Concen: 123.944 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1698557

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	48.6	39.8	59.6

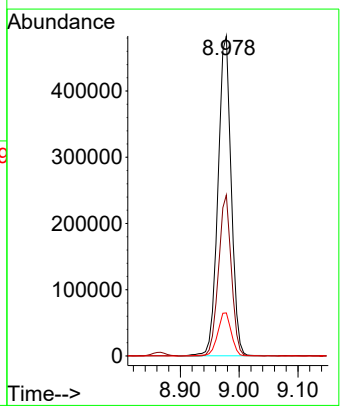


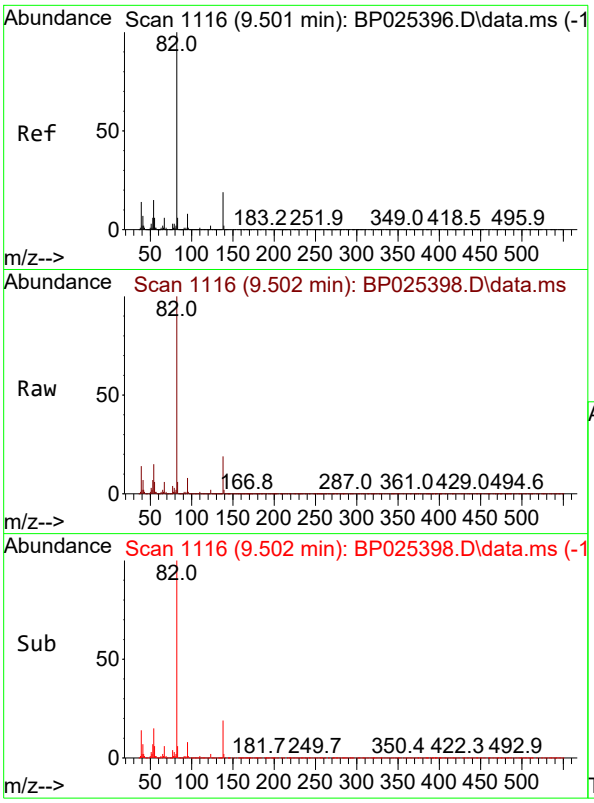


#24
Nitrobenzene
Concen: 61.461 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 77 Resp: 752762

Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	13.4	10.6	15.8



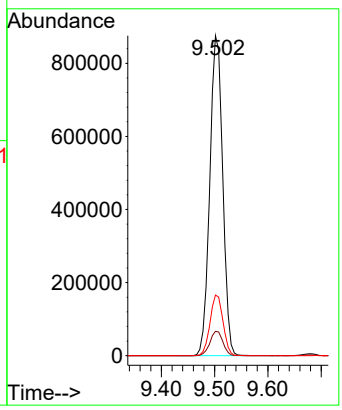


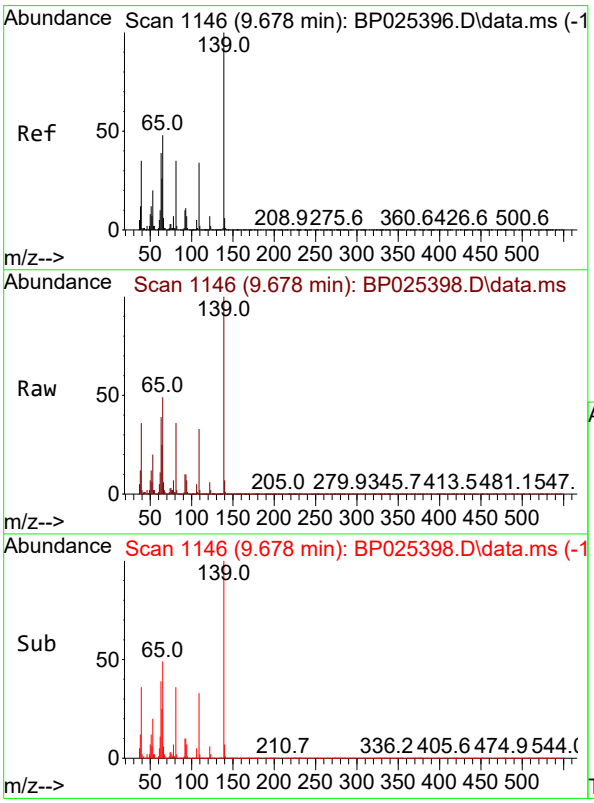
#25
Isophorone
Concen: 60.825 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1475193

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	19.0	15.4	23.0

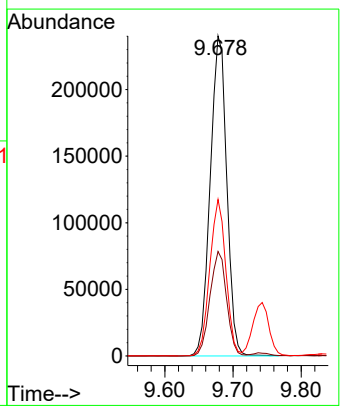


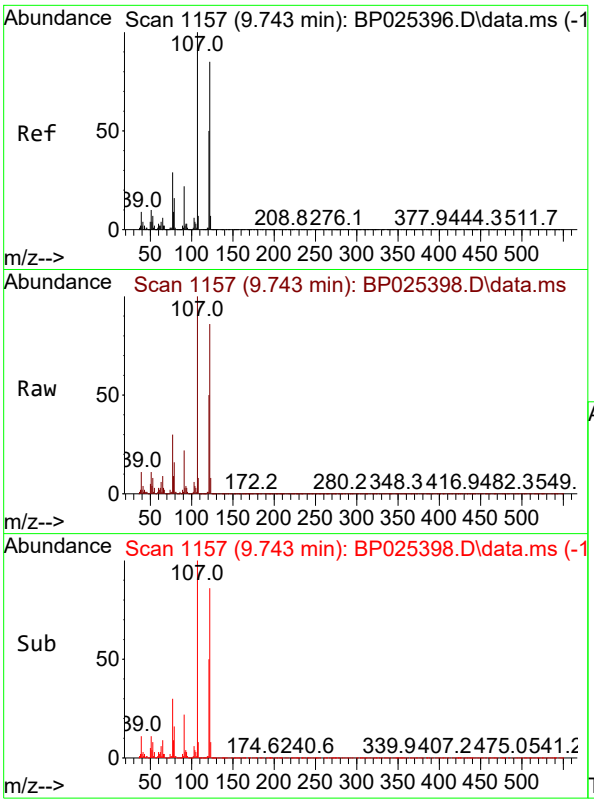


#26
2-Nitrophenol
Concen: 64.564 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:139 Resp: 405821

Ion	Ratio	Lower	Upper
139	100		
109	32.7	26.9	40.3
65	48.9	38.3	57.5



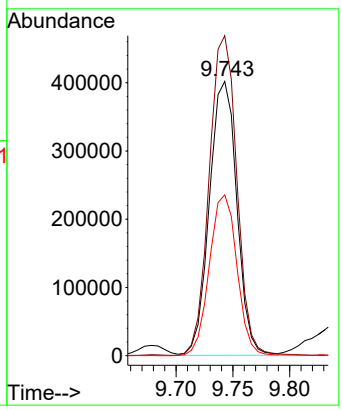


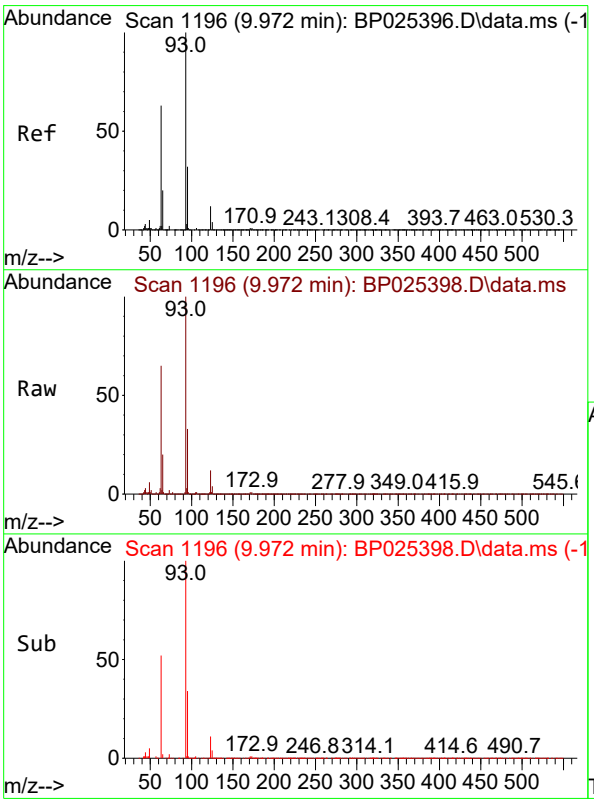
#27
2,4-Dimethylphenol
Concen: 62.463 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 675186

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	58.6	46.6	69.8

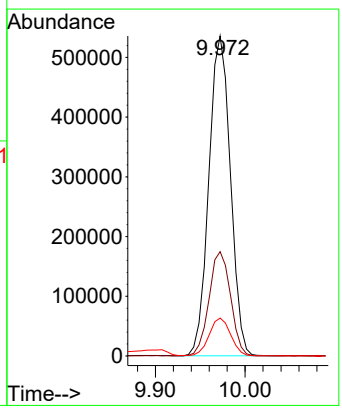


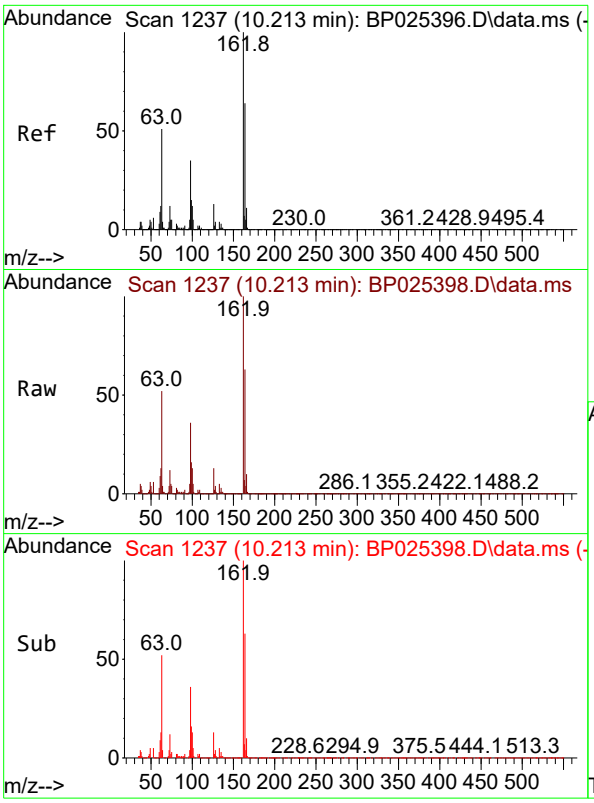


#28
bis(2-Chloroethoxy)methane
Concen: 61.040 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 93 Resp: 894872

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.0
123	11.9	9.4	14.0



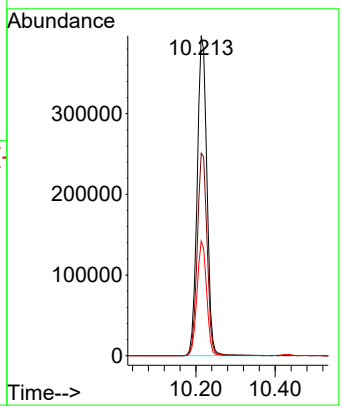


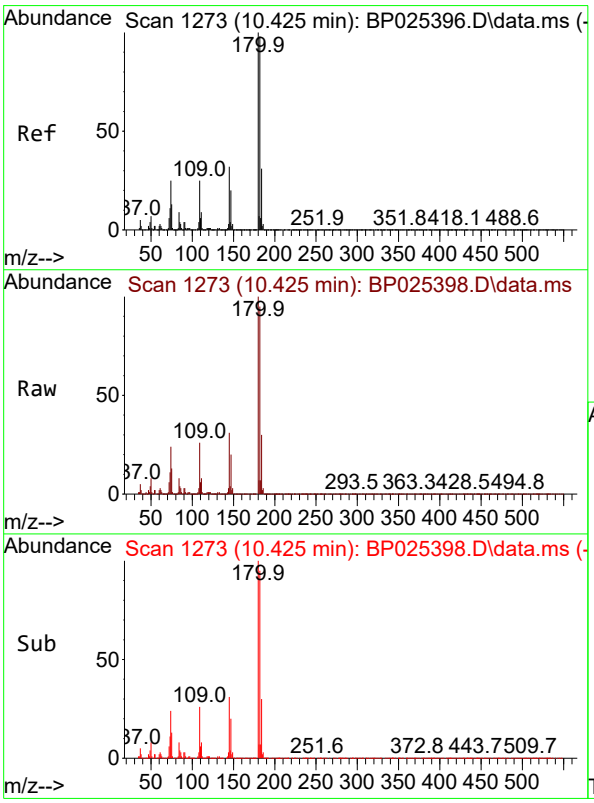
#29
2,4-Dichlorophenol
Concen: 62.764 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 673952

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.4	84.4
98	35.8	14.9	54.9

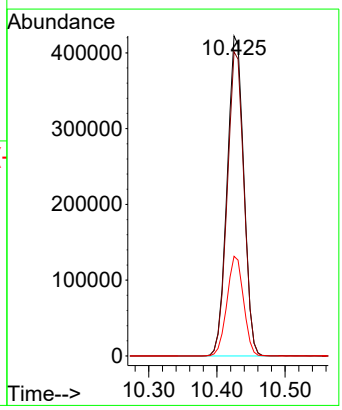


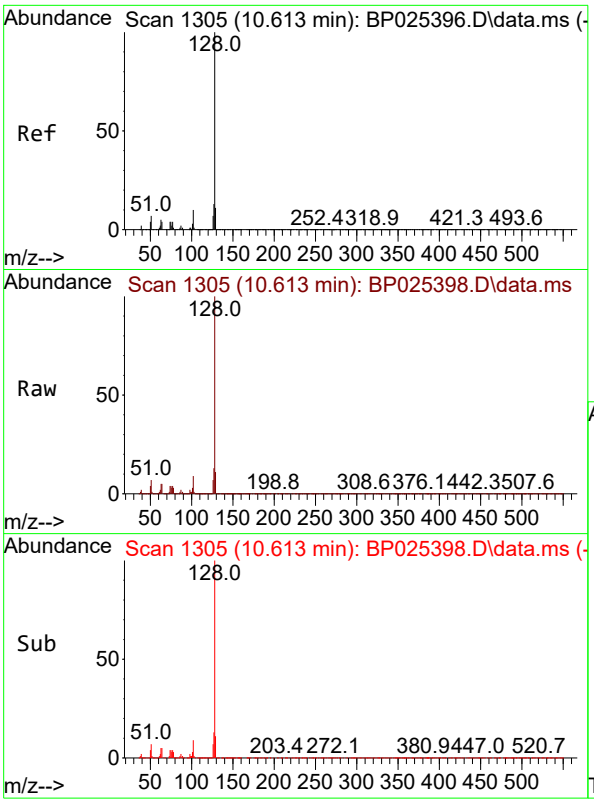


#30
1,2,4-Trichlorobenzene
Concen: 60.823 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:180 Resp: 715954

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.0	117.0
145	31.2	25.9	38.9



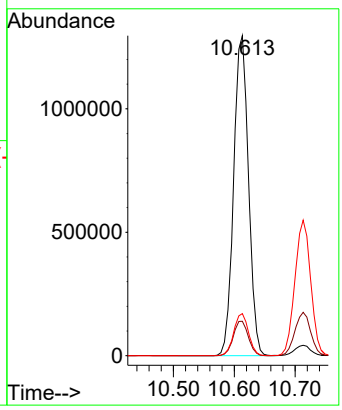


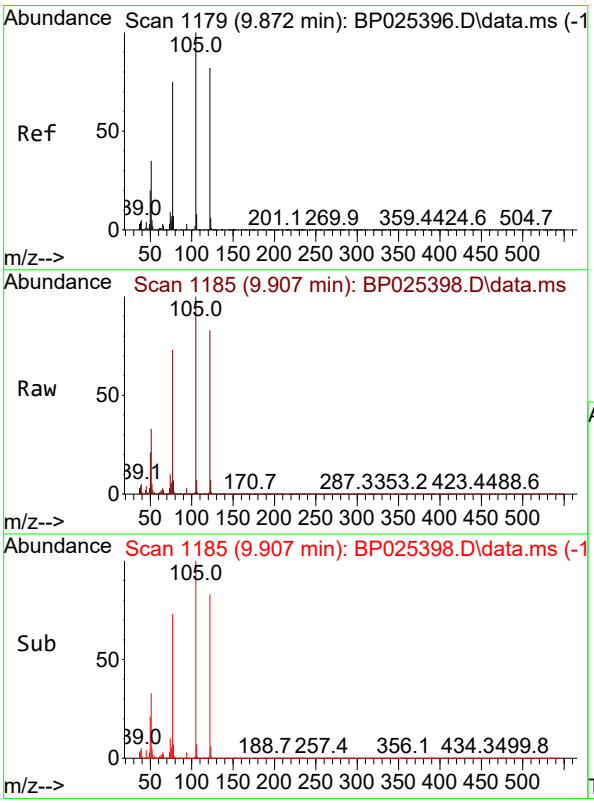
#31
Naphthalene
Concen: 60.722 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2187912

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1

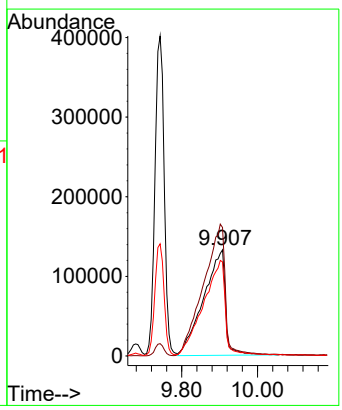


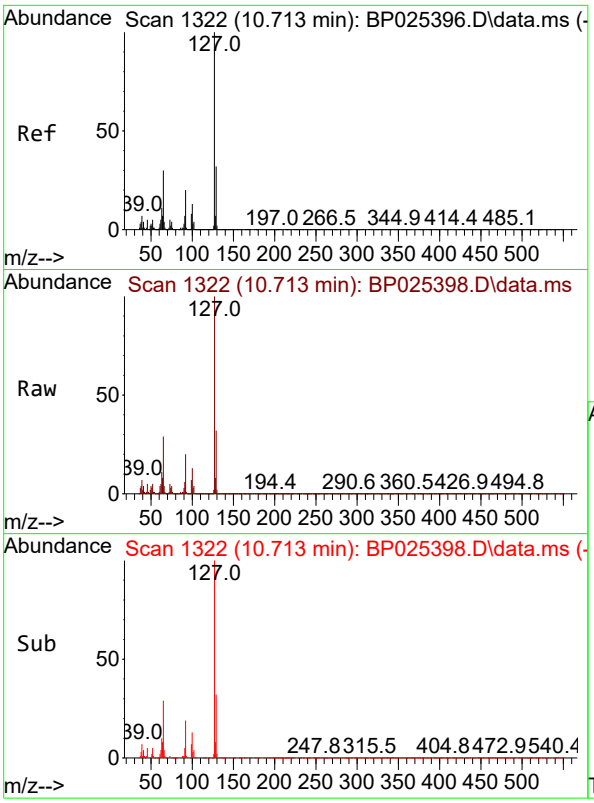


#32
Benzoic acid
Concen: 66.651 ng
RT: 9.907 min Scan# 1185
Delta R.T. 0.035 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:122 Resp: 530609

Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.6	140.6
77	88.6	71.5	111.5



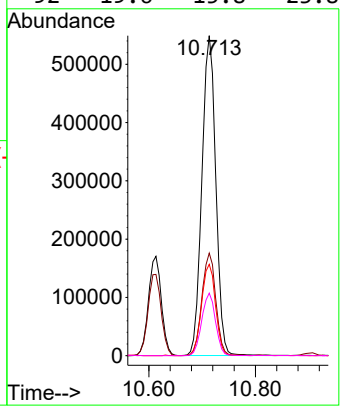


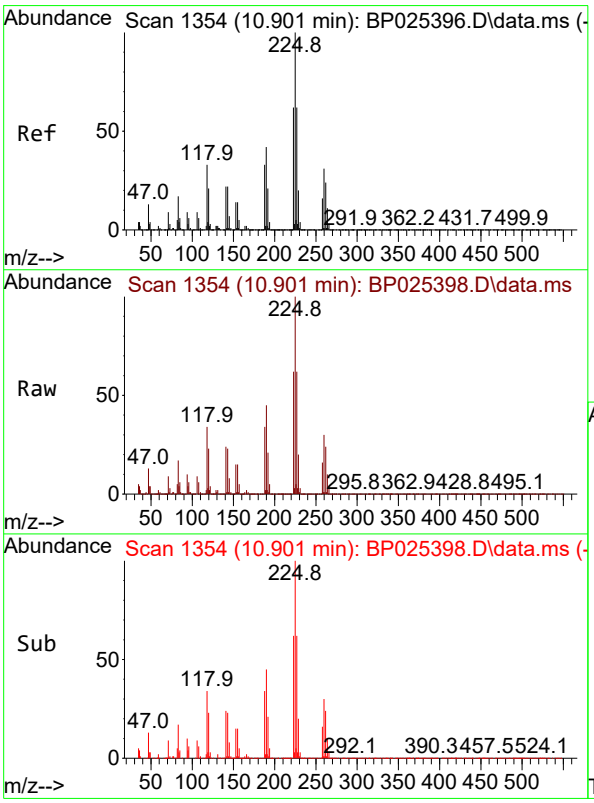
#33
4-Chloroaniline
Concen: 62.401 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 993155

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.2
65	28.5	23.8	35.6
92	19.6	15.8	23.8

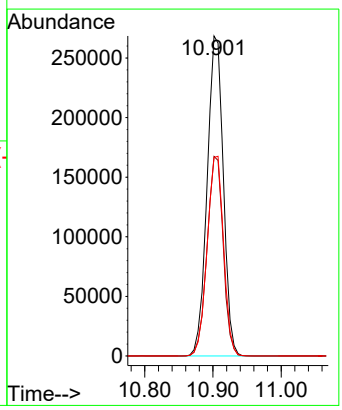


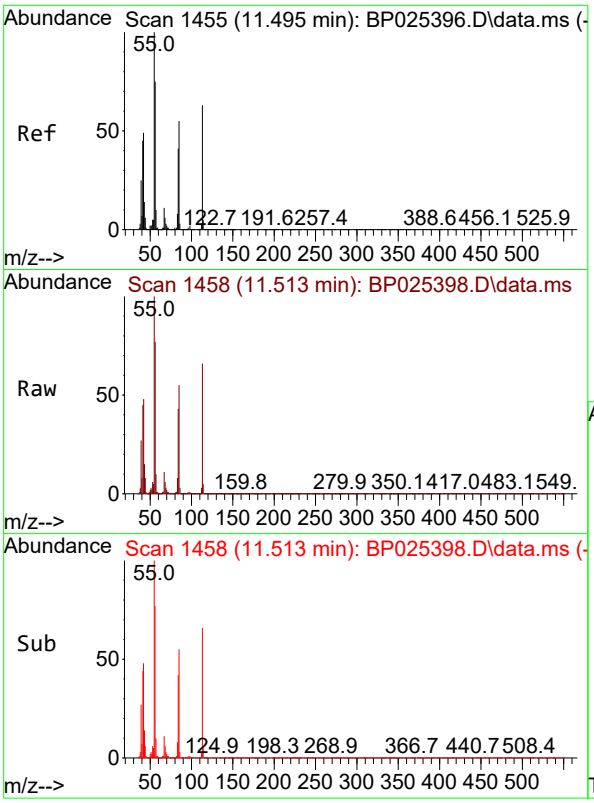


#34
Hexachlorobutadiene
Concen: 60.421 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:225 Resp: 442929

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.0	75.0
227	62.1	49.7	74.5



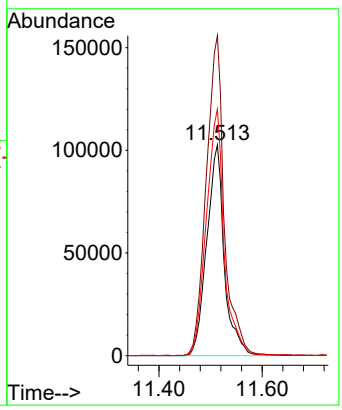


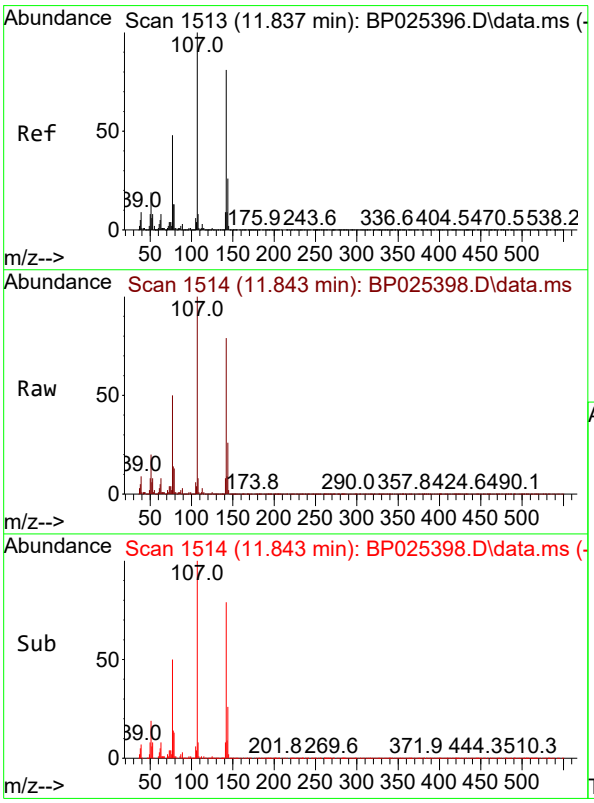
#35
Caprolactam
Concen: 61.340 ng
RT: 11.513 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 241521

Ion	Ratio	Lower	Upper
113	100		
55	151.8	140.0	180.0
56	117.0	100.0	140.0

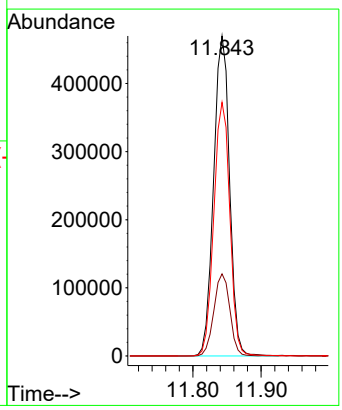


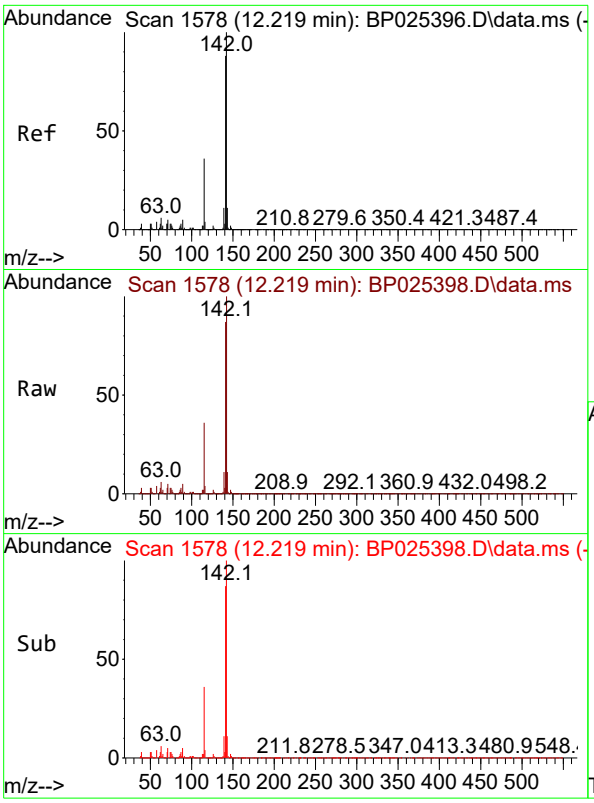


#36
4-Chloro-3-methylphenol
Concen: 62.033 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:107 Resp: 764338

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.0	31.4
142	79.2	64.6	97.0



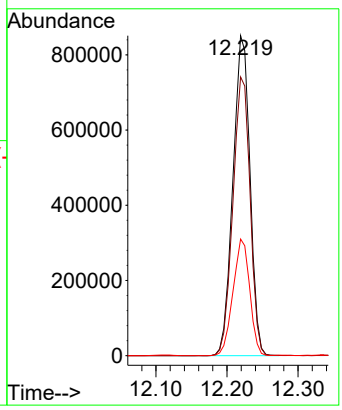


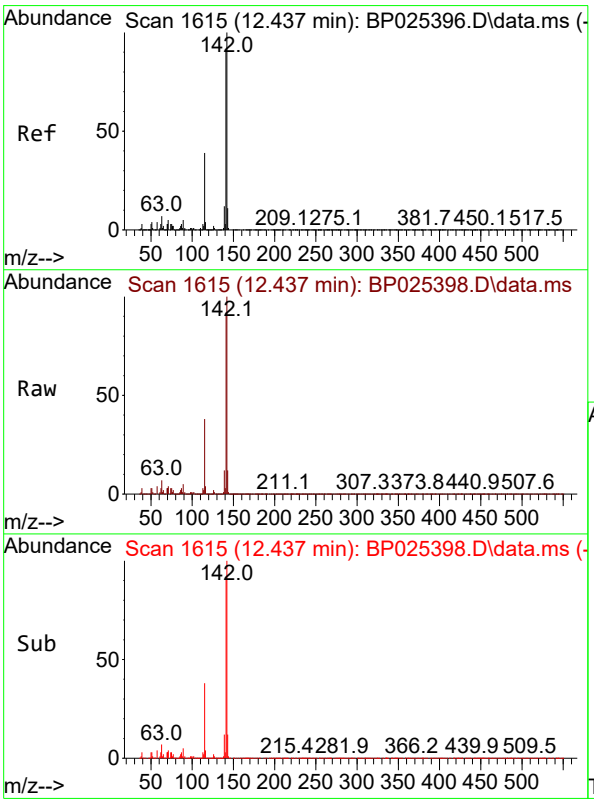
#37
2-Methylnaphthalene
Concen: 60.511 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1418882

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.3	105.5
115	36.5	28.9	43.3

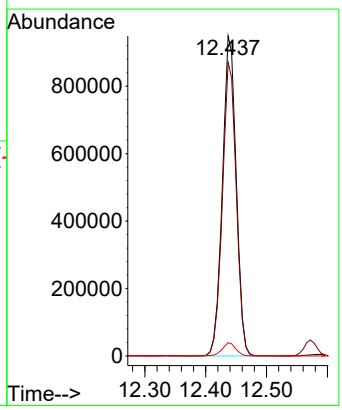


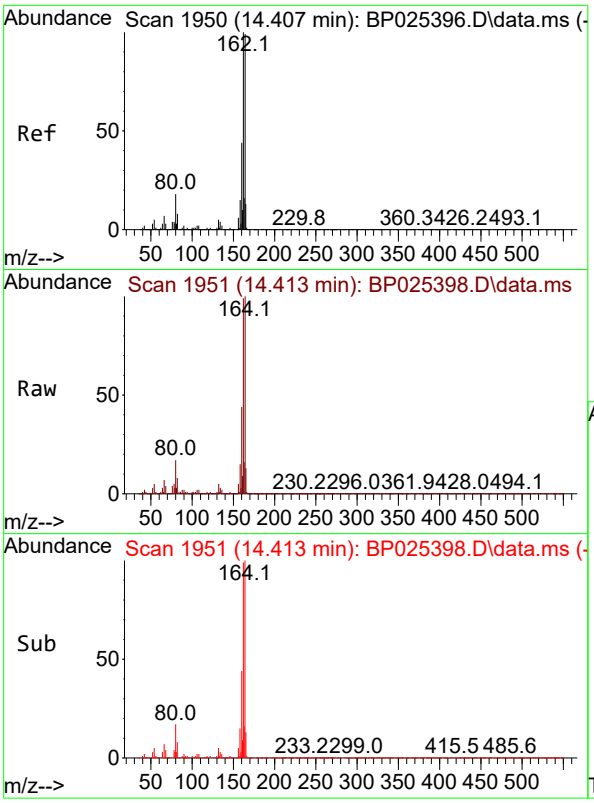


#38
1-Methylnaphthalene
Concen: 59.925 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:142 Resp: 1494304

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.1	109.7
116	4.1	3.2	4.8



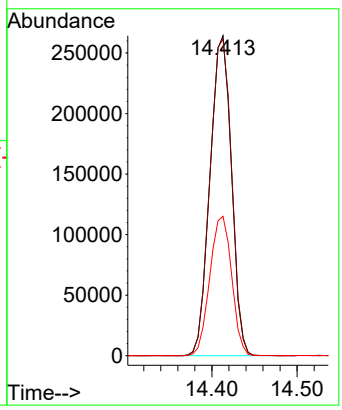


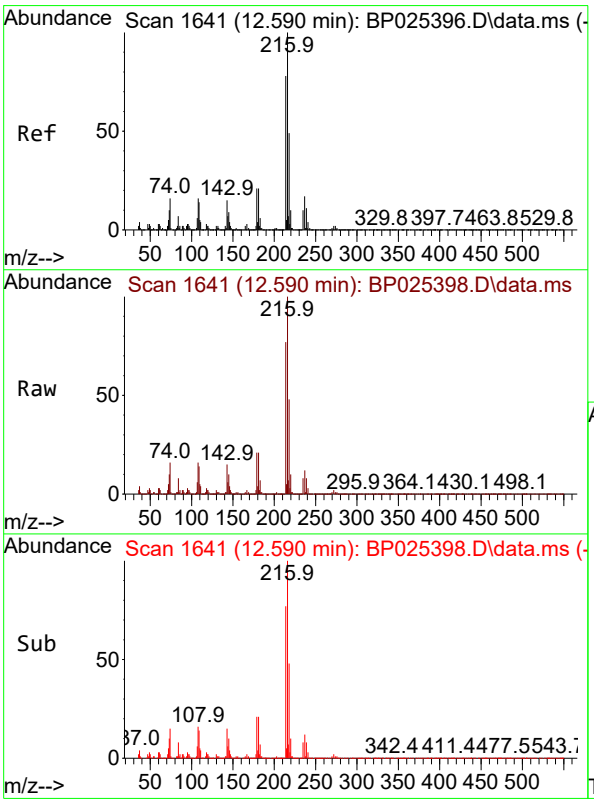
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 460439

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.6
160	43.6	35.4	53.2

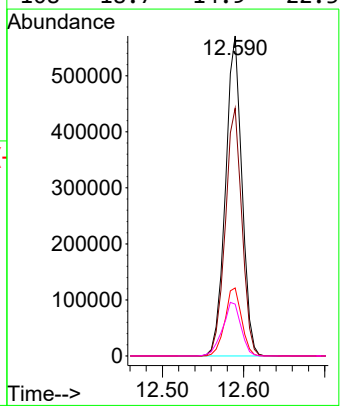


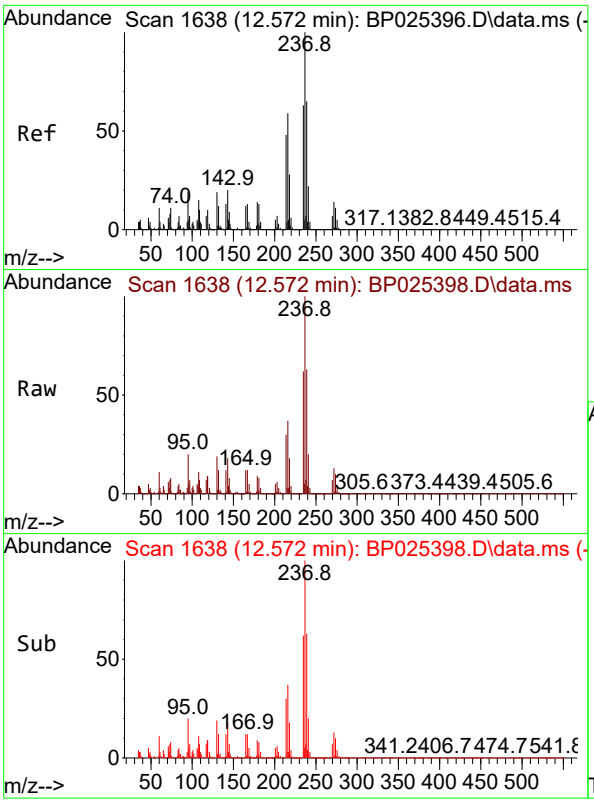


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.365 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:216 Resp: 802737

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.6	17.1	25.7
108	18.7	14.9	22.3



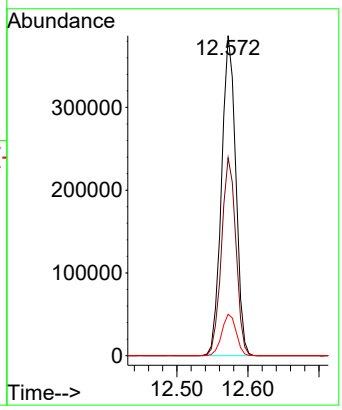


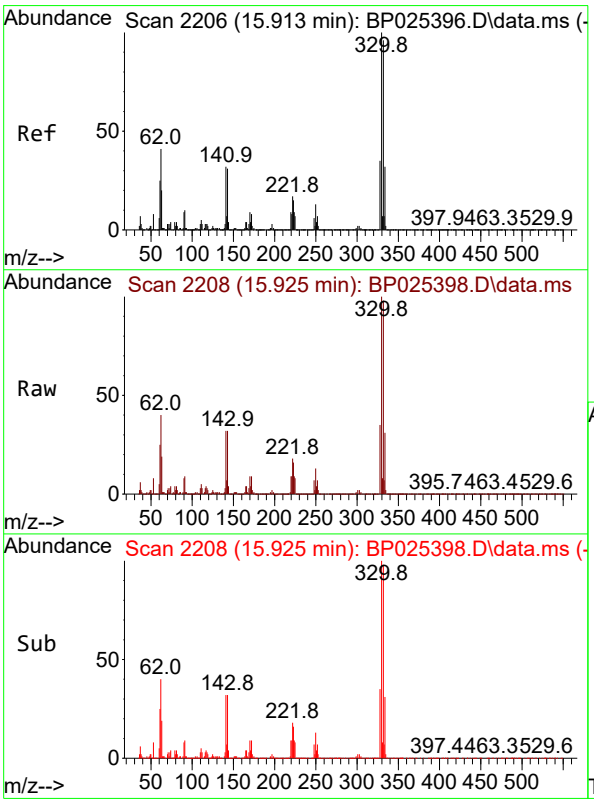
#41
Hexachlorocyclopentadiene
Concen: 66.784 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 536440

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	13.0	0.0	34.0

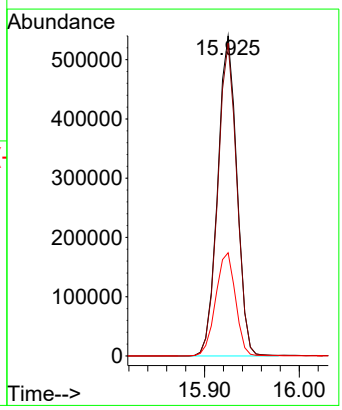


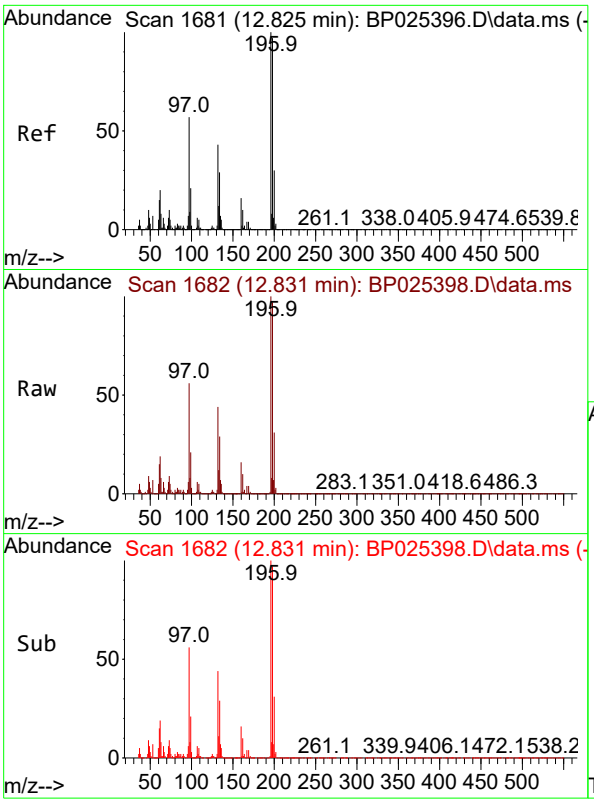


#42
2,4,6-Tribromophenol
Concen: 122.748 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:330 Resp: 760738

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	33.3	26.6	39.8



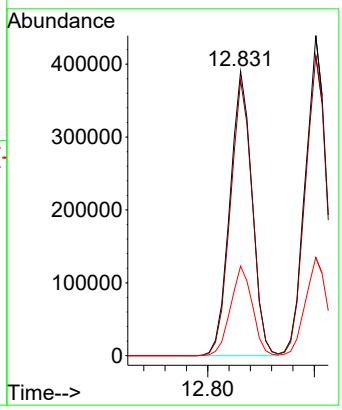


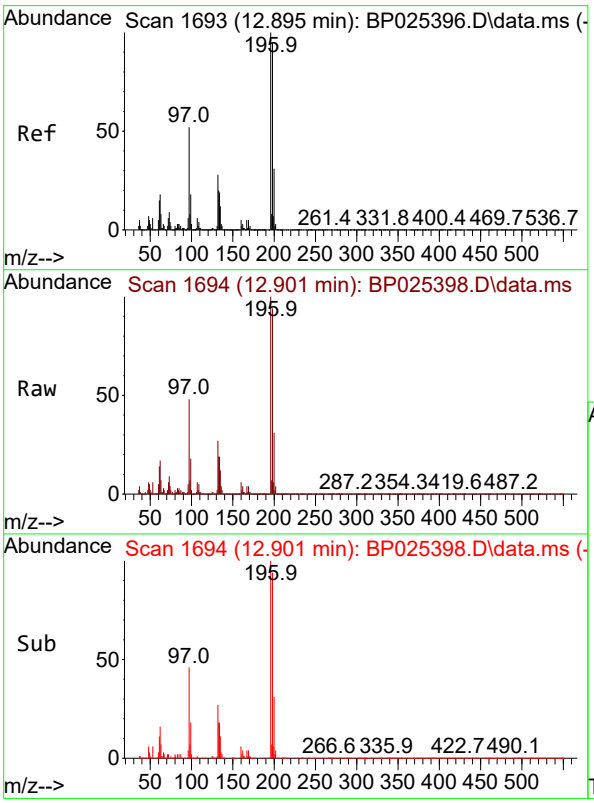
#43
2,4,6-Trichlorophenol
Concen: 62.841 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 564165

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.2	115.8
200	31.5	23.9	35.9

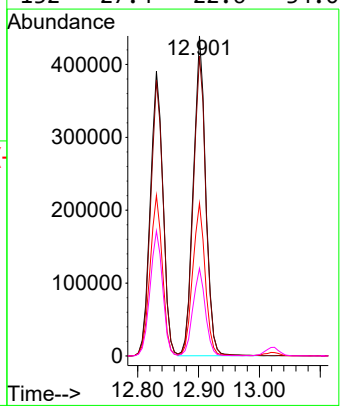


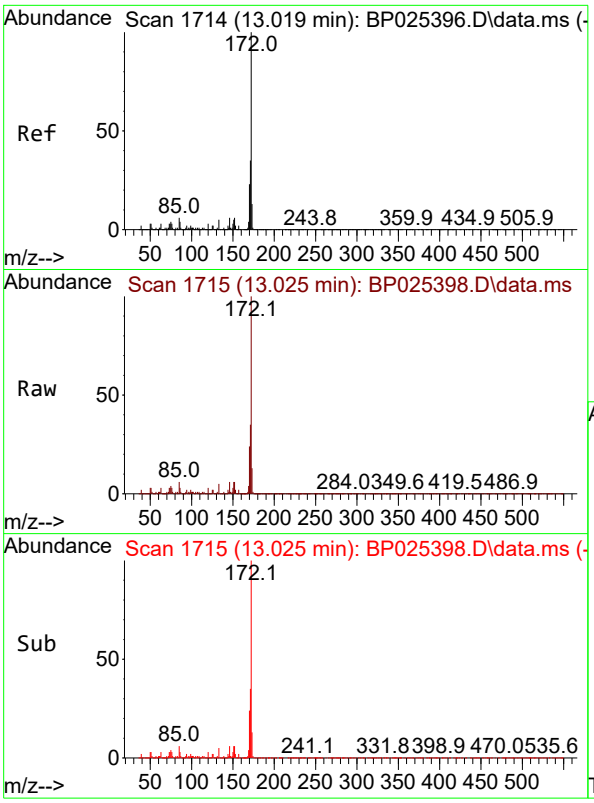


#44
2,4,5-Trichlorophenol
Concen: 62.937 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:196 Resp: 619246

Ion	Ratio	Lower	Upper
196	100		
198	93.8	76.2	114.2
97	47.7	41.2	61.8
132	27.4	22.6	34.0



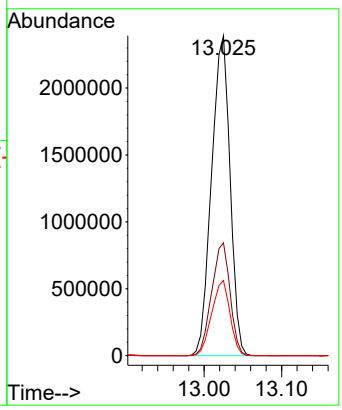


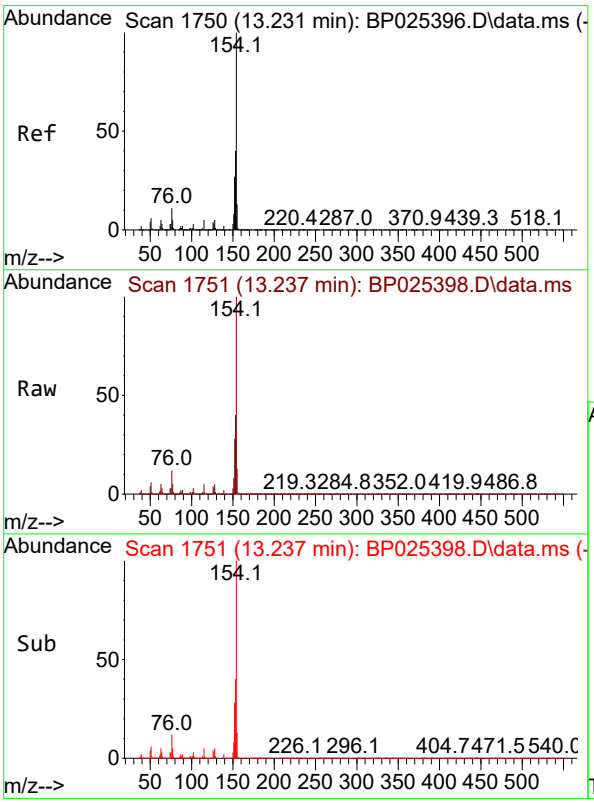
#45
2-Fluorobiphenyl
Concen: 117.656 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3963871

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.5	18.6	28.0

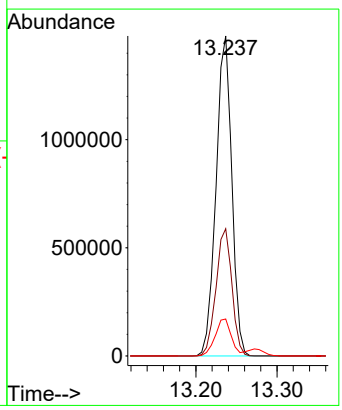


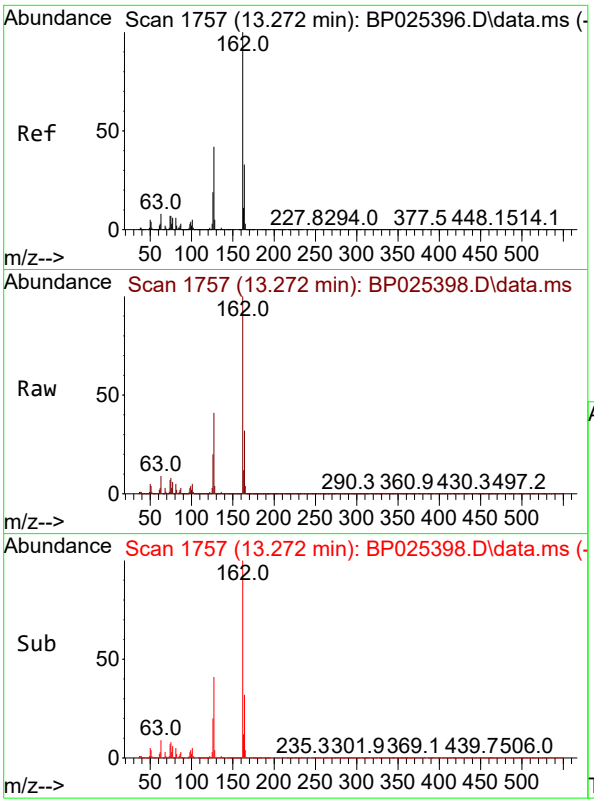


#46
1,1'-Biphenyl
Concen: 59.695 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1996186

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.6	0.0	31.1



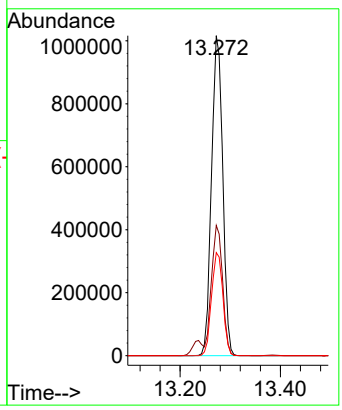


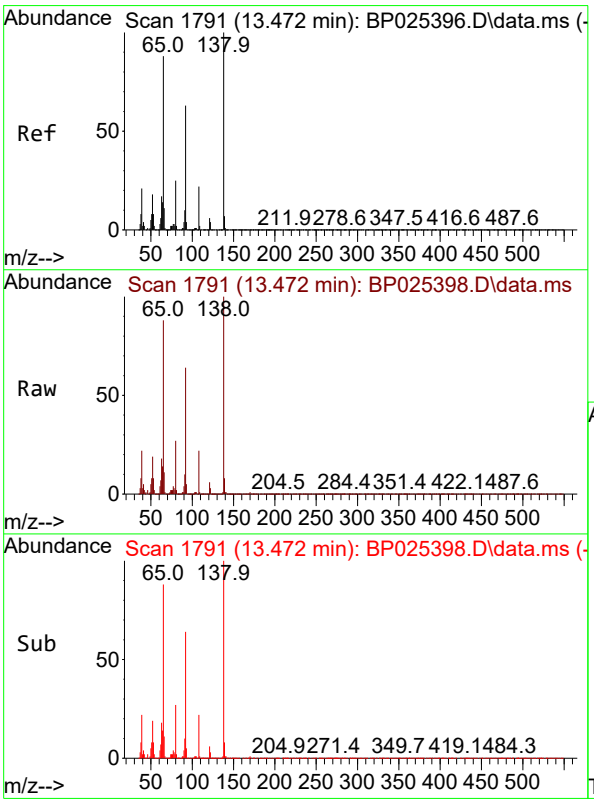
#47
2-Chloronaphthalene
Concen: 60.600 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1577577

Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.2
164	32.2	26.2	39.2

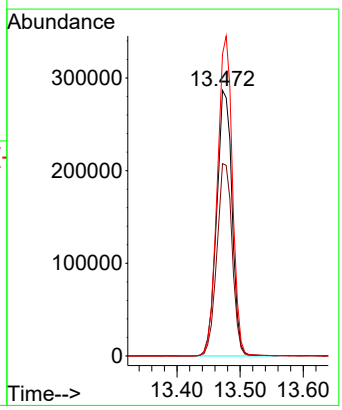


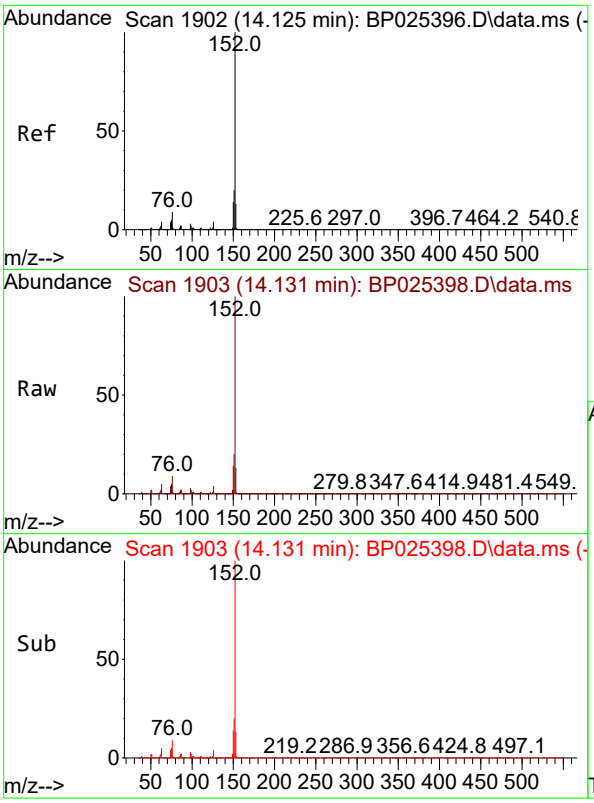


#48
2-Nitroaniline
Concen: 63.996 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion: 65 Resp: 485429

Ion	Ratio	Lower	Upper
65	100		
92	72.4	57.6	86.4
138	113.7	91.0	136.6



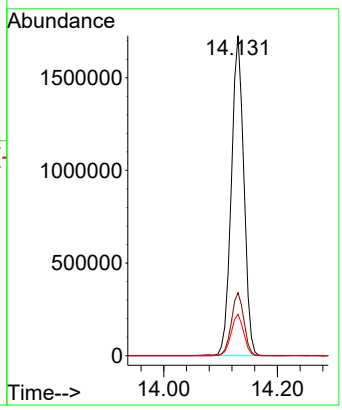


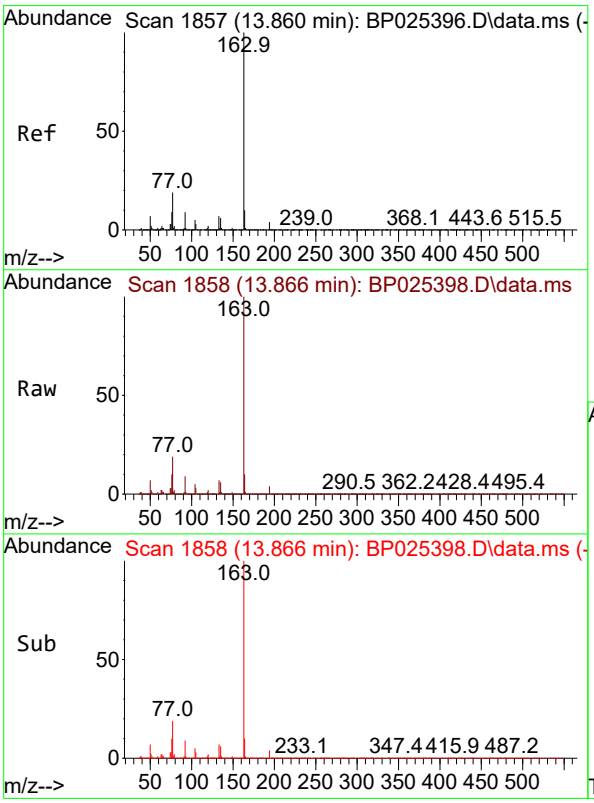
#49
Acenaphthylene
Concen: 61.147 ng
RT: 14.131 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2634005

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.0	10.6	15.8

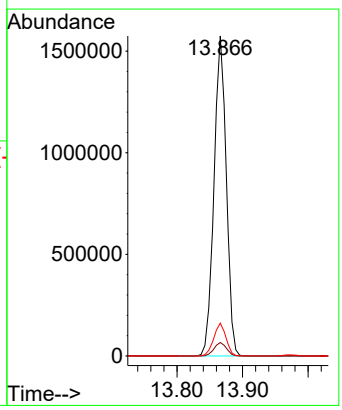


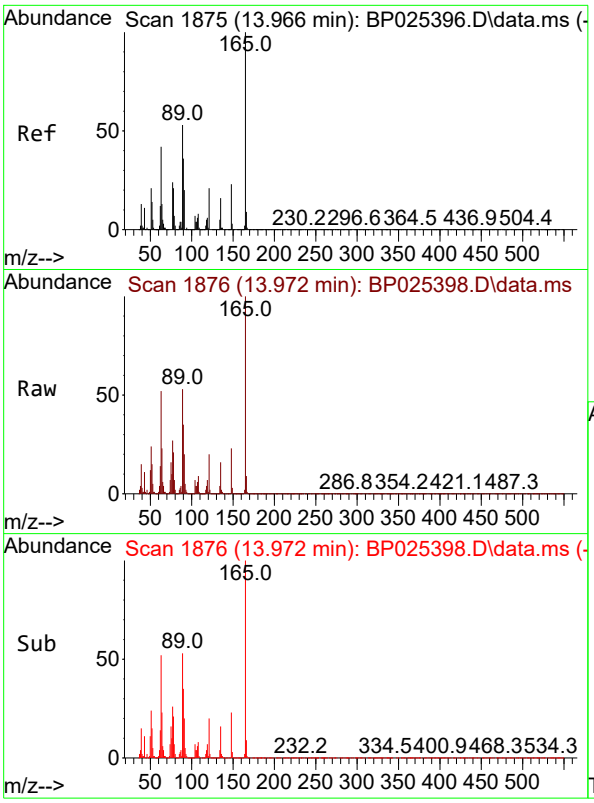


#50
Dimethylphthalate
Concen: 60.572 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:163 Resp: 2042324

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	7.9	11.9



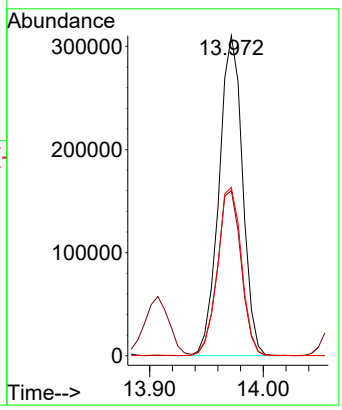


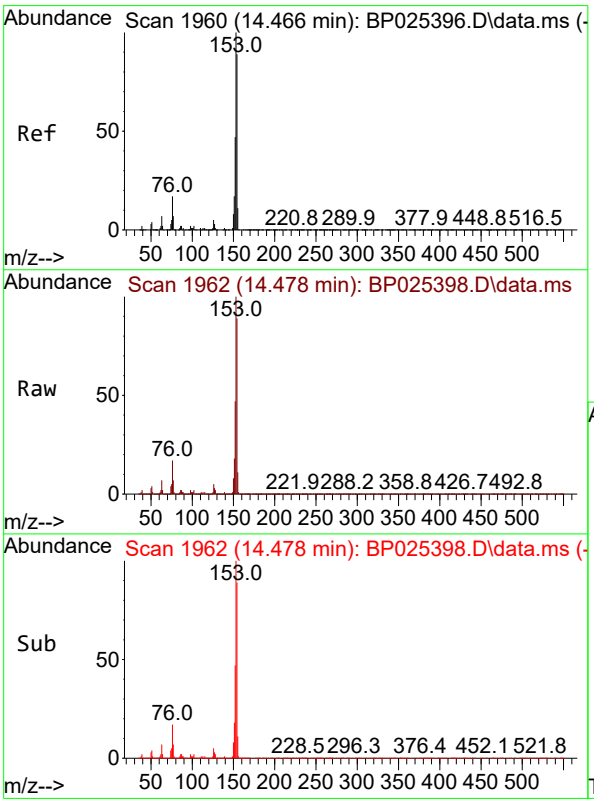
#51
2,6-Dinitrotoluene
Concen: 62.831 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 446520

Ion	Ratio	Lower	Upper
165	100		
63	51.6	40.9	61.3
89	52.5	42.1	63.1

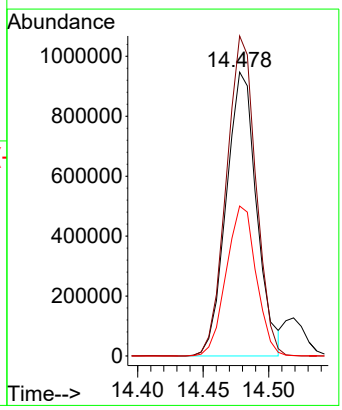


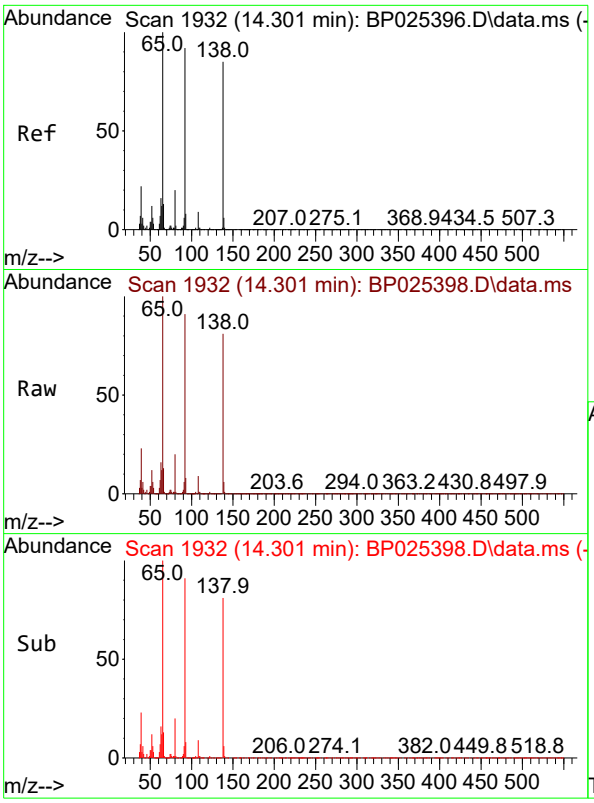


#52
Acenaphthene
Concen: 60.399 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:154 Resp: 1527191

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.8	42.1	63.1



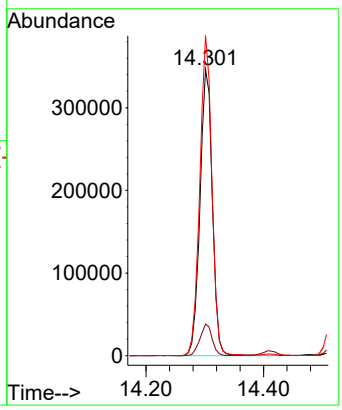


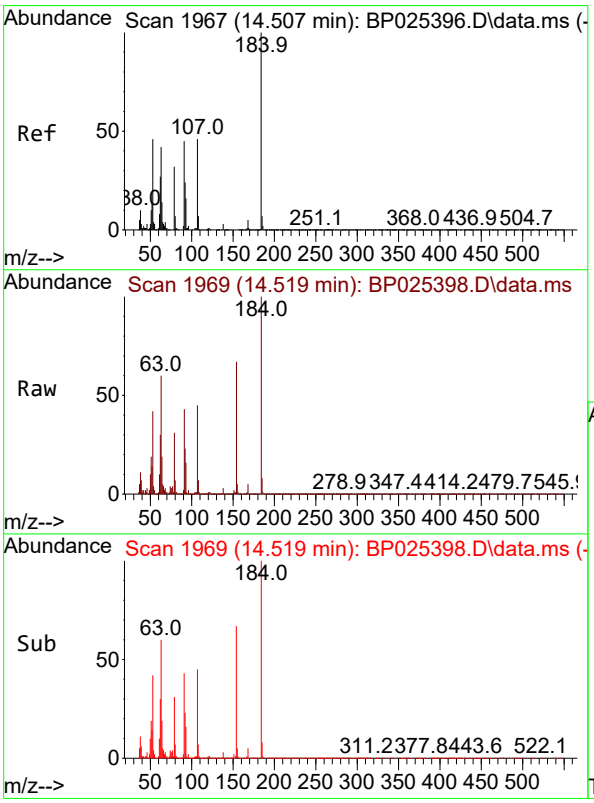
#53
3-Nitroaniline
Concen: 63.331 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 506373

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	111.9	86.2	129.2

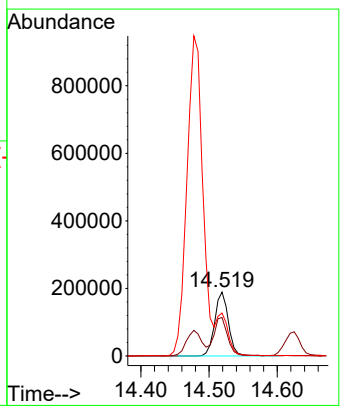


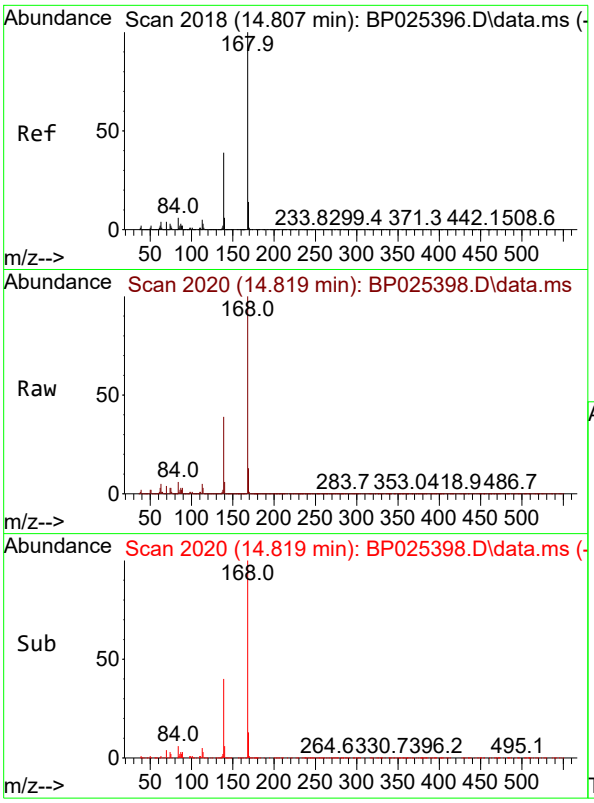


#54
2,4-Dinitrophenol
Concen: 69.849 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:184 Resp: 265089

Ion	Ratio	Lower	Upper
184	100		
63	60.1	49.4	74.2
154	67.3	54.6	82.0



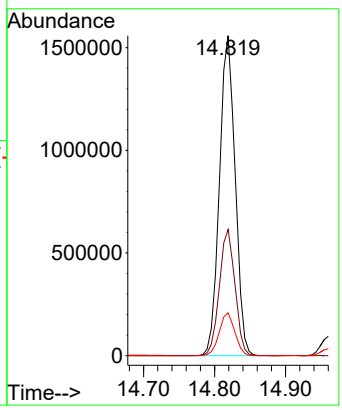


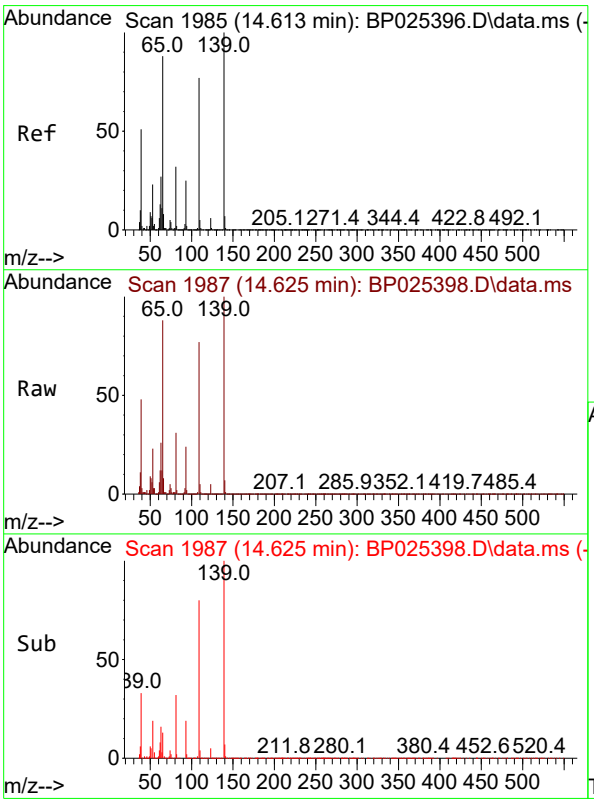
#55
Dibenzofuran
Concen: 59.734 ng
RT: 14.819 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2387933

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	13.4	10.9	16.3

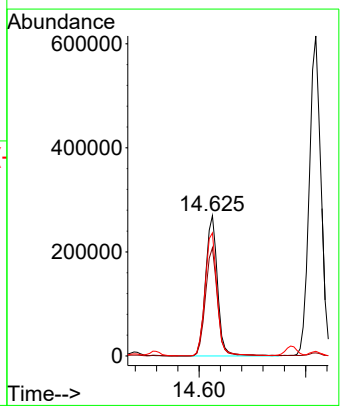


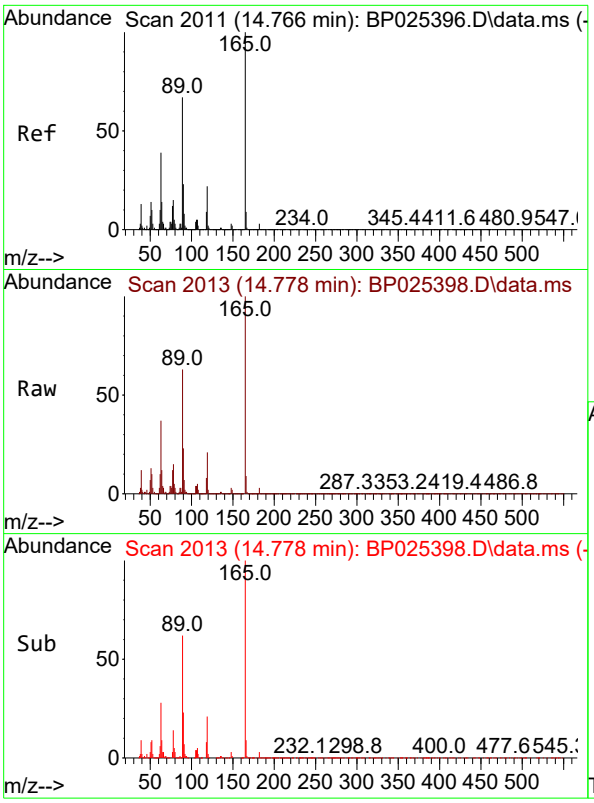


#56
4-Nitrophenol
Concen: 63.893 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:139 Resp: 419801

Ion	Ratio	Lower	Upper
139	100		
109	77.0	56.6	96.6
65	87.6	68.2	108.2



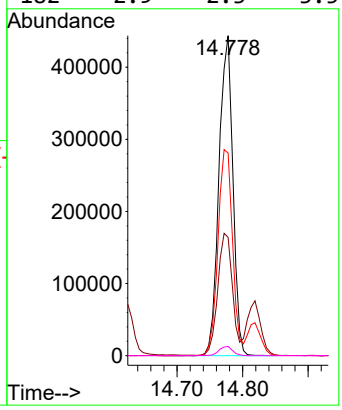


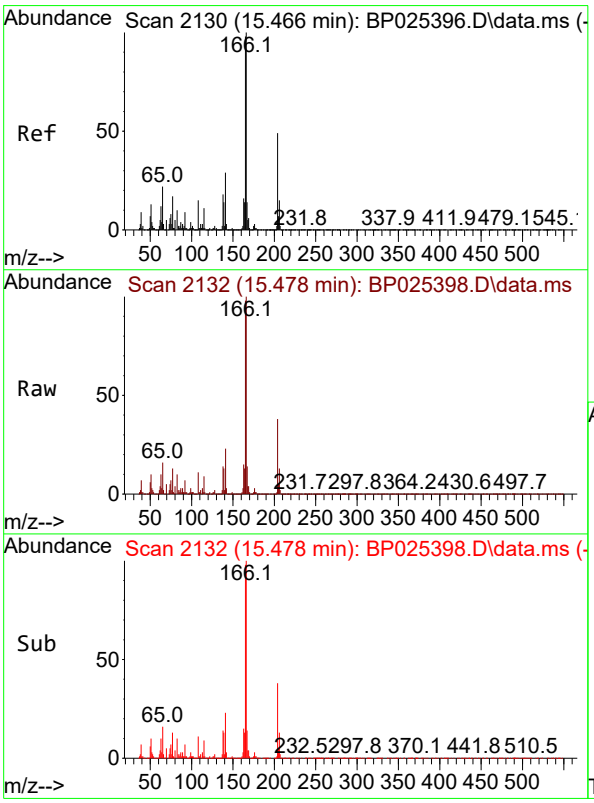
#57
2,4-Dinitrotoluene
Concen: 64.112 ng
RT: 14.778 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 650054

Ion	Ratio	Lower	Upper
165	100		
63	37.0	31.4	47.2
89	63.3	53.3	79.9
182	2.9	2.3	3.5

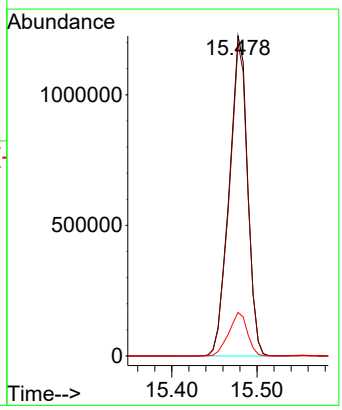


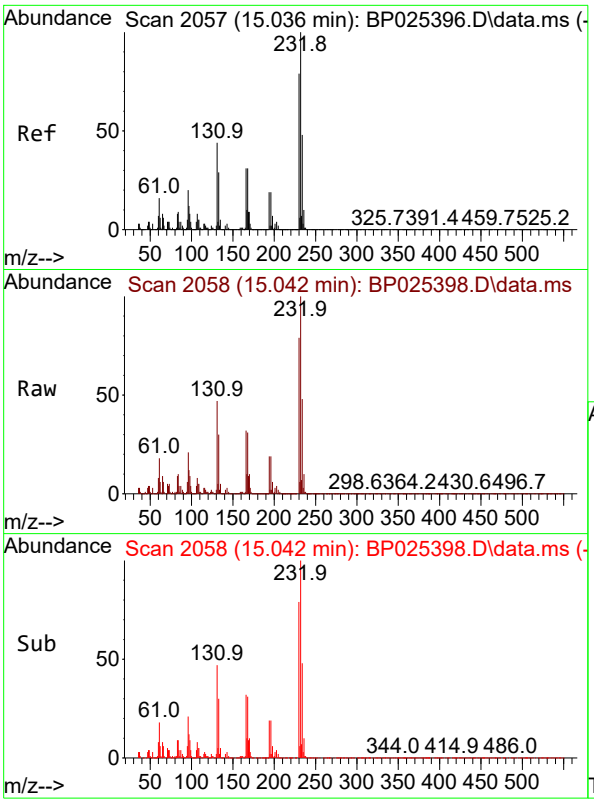


#58
Fluorene
Concen: 58.236 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:166 Resp: 1836972

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.8	118.2
167	13.6	11.0	16.4



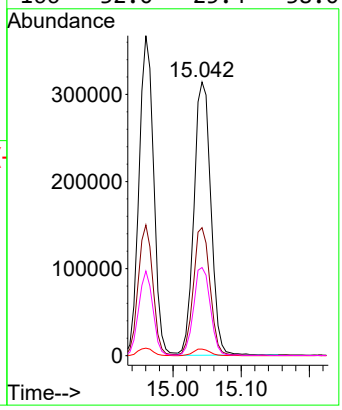


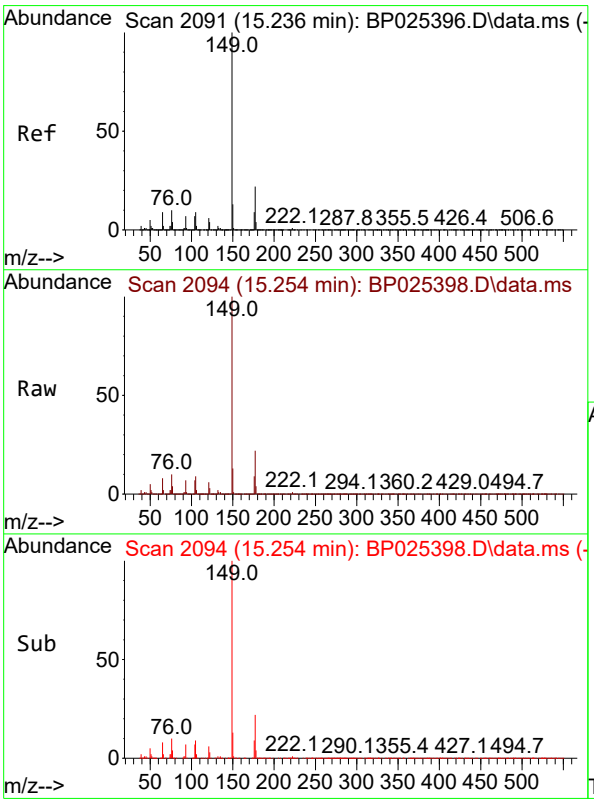
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.307 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 541317

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.0	55.6
130	2.4	1.9	2.9
166	32.0	25.4	38.0

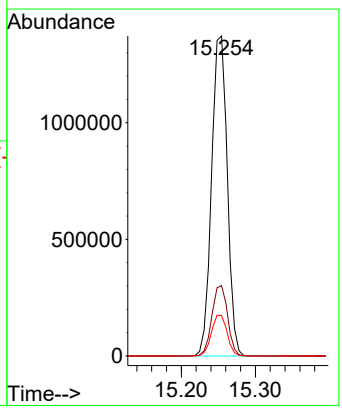


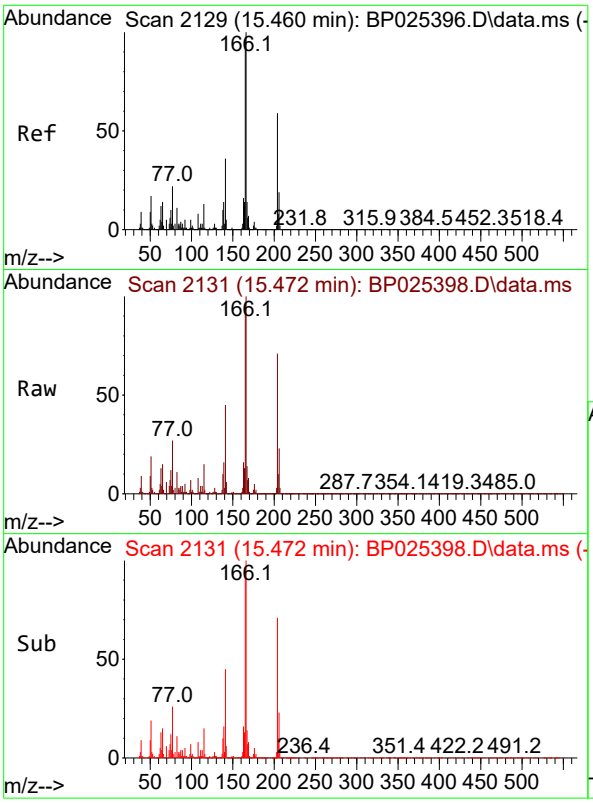


#60
Diethylphthalate
Concen: 58.840 ng
RT: 15.254 min Scan# 2094
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 2015888

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.6	10.3	15.5



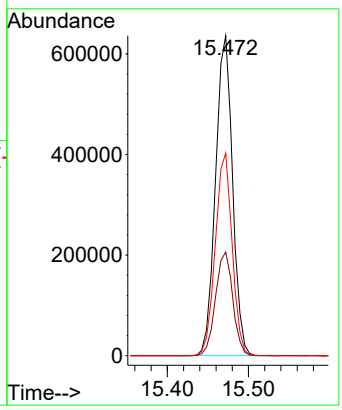


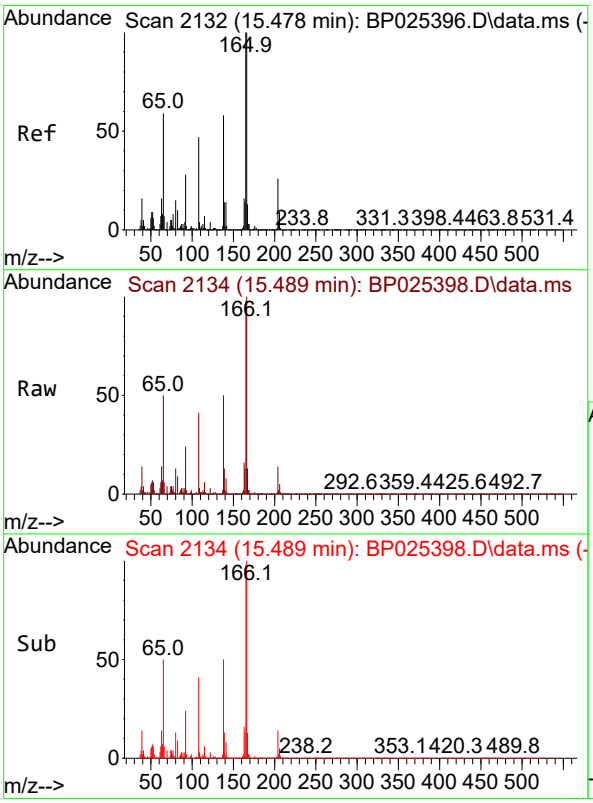
#61
4-Chlorophenyl-phenylether
Concen: 59.044 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 926280

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	63.3	49.4	74.2

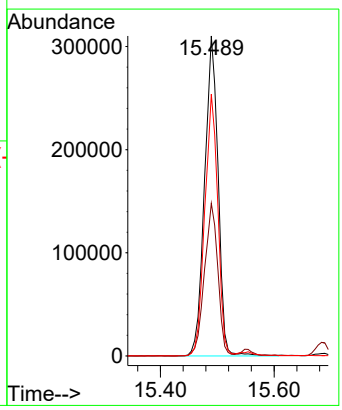


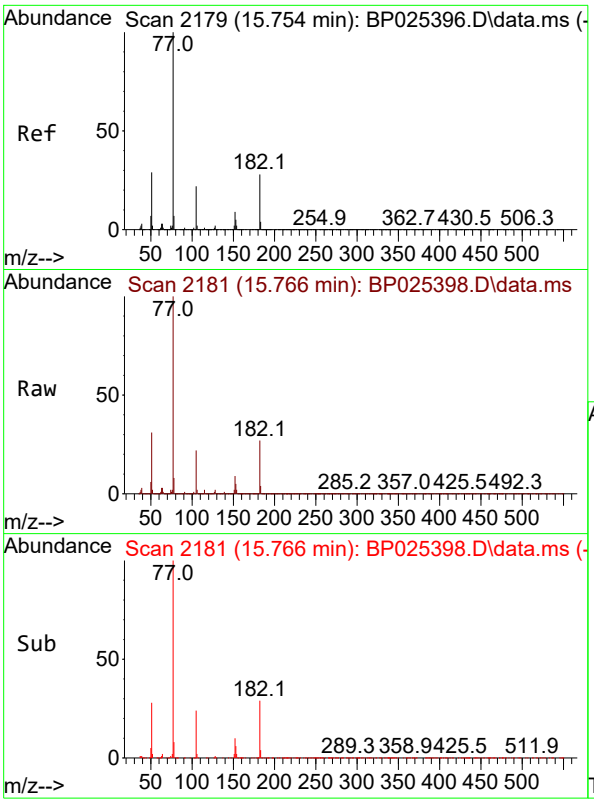


#62
4-Nitroaniline
Concen: 62.272 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:138 Resp: 510438

Ion	Ratio	Lower	Upper
138	100		
92	47.7	29.1	69.1
108	81.8	61.5	101.5



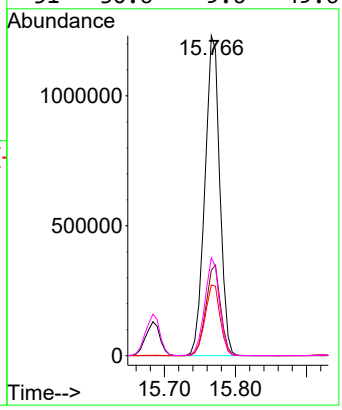


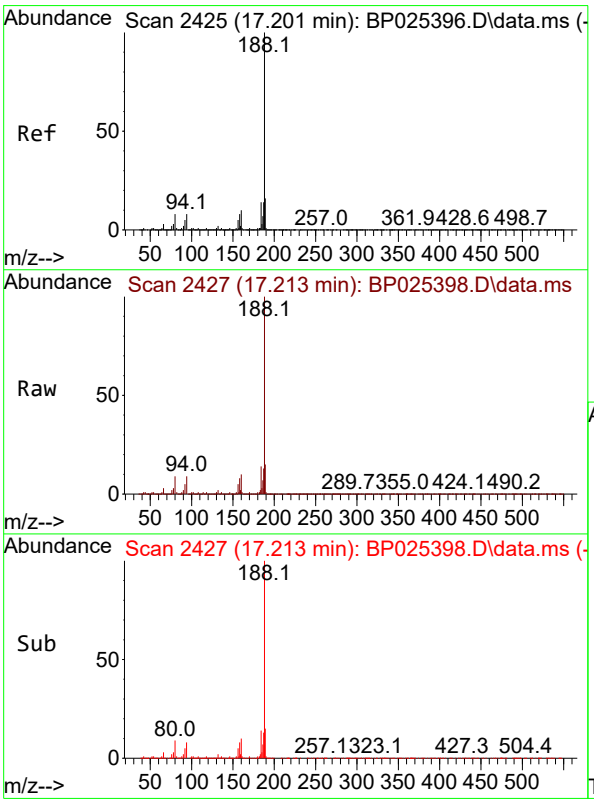
#63
Azobenzene
Concen: 61.242 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1796580

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.5	47.5
105	22.1	2.1	42.1
51	30.6	9.6	49.6

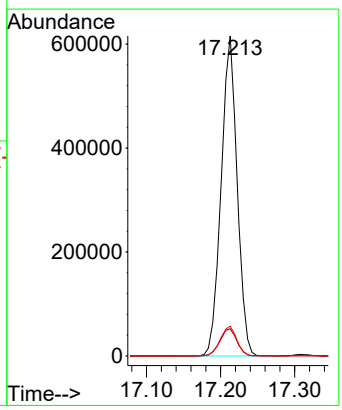


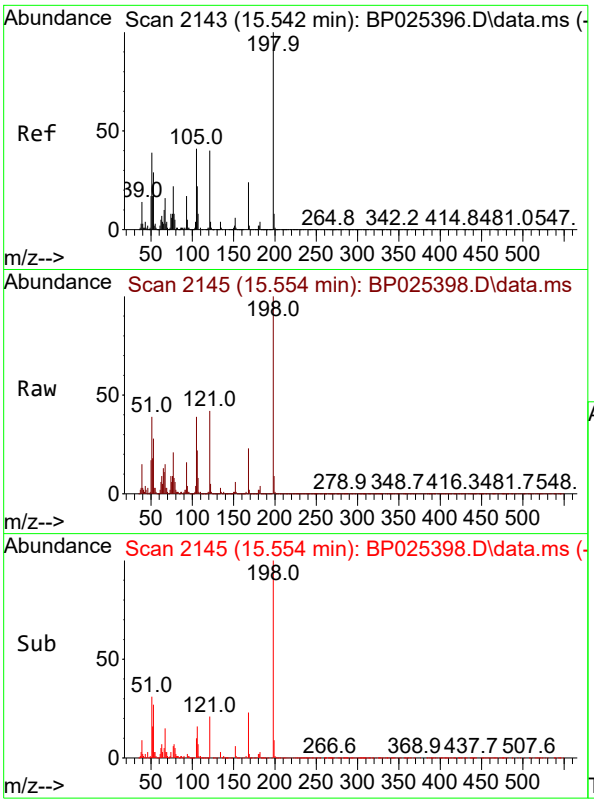


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:188 Resp: 923402

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1



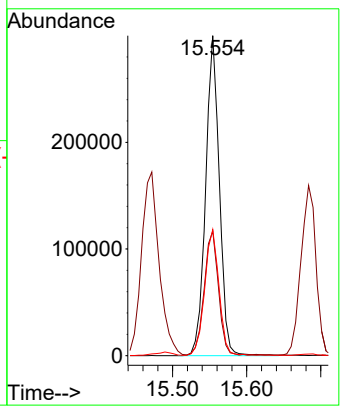


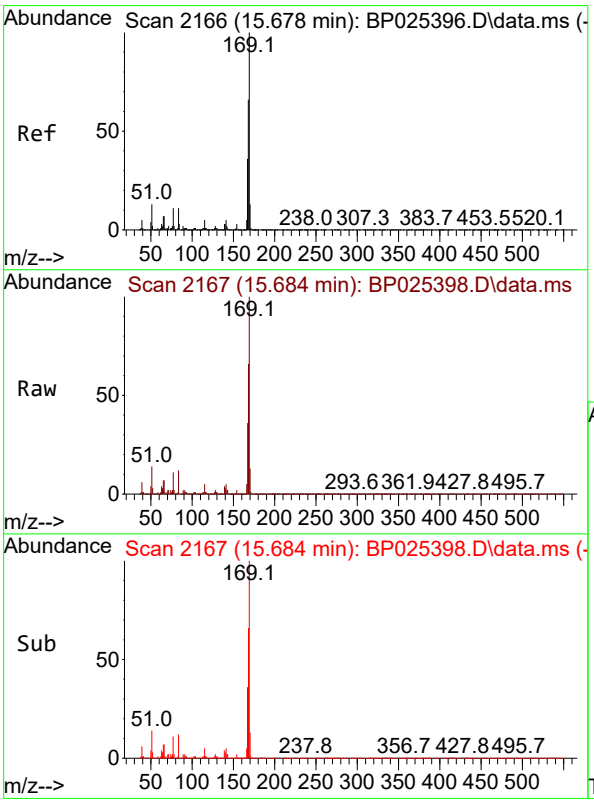
#65
4,6-Dinitro-2-methylphenol
Concen: 67.038 ng
RT: 15.554 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 385873

Ion	Ratio	Lower	Upper
198	100		
51	38.9	19.6	59.6
105	39.4	20.9	60.9

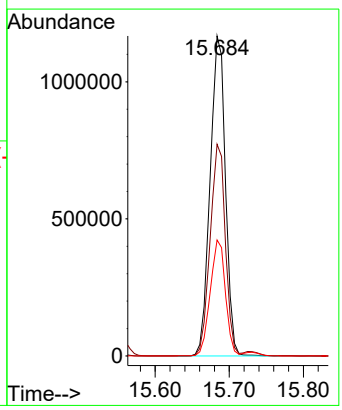


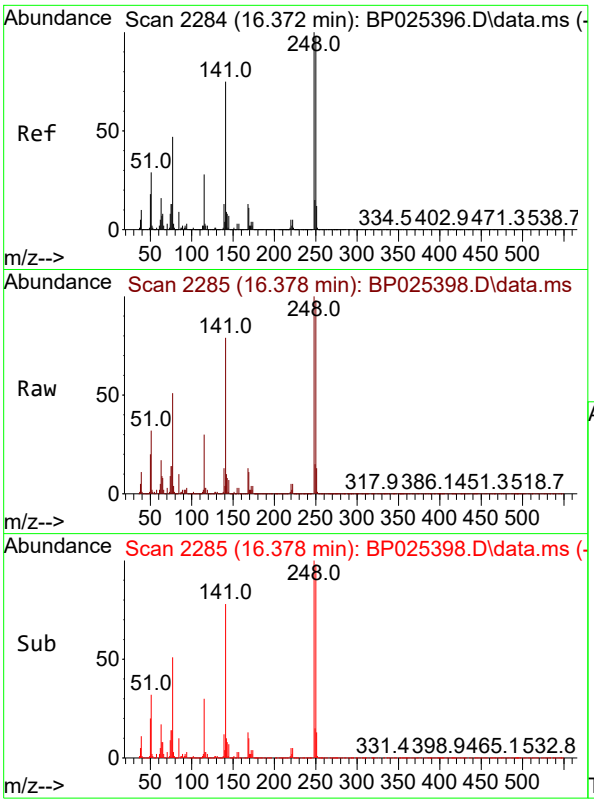


#66
n-Nitrosodiphenylamine
Concen: 59.478 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:169 Resp: 1674806

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	36.3	28.7	43.1



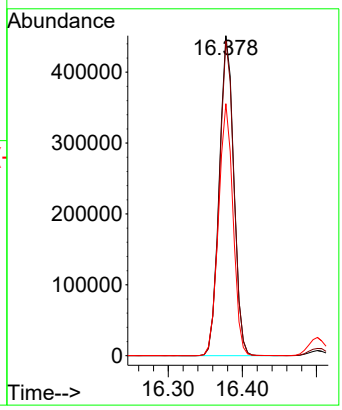


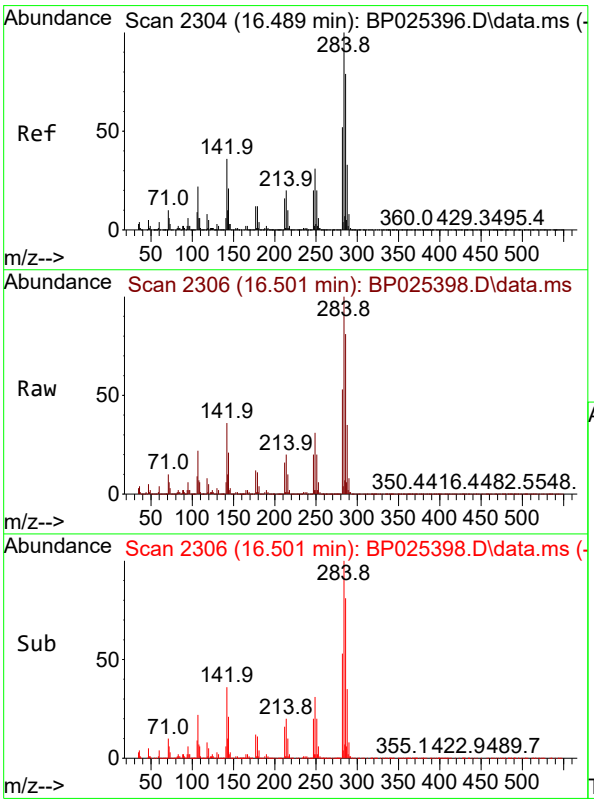
#67
4-Bromophenyl-phenylether
Concen: 60.731 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 616767

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.2	117.2
141	78.7	59.6	89.4

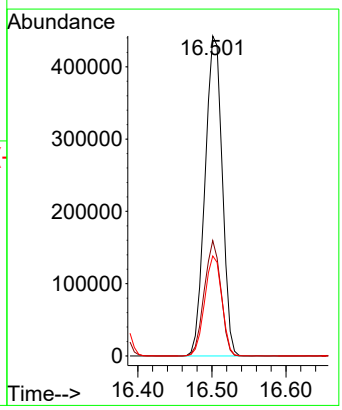


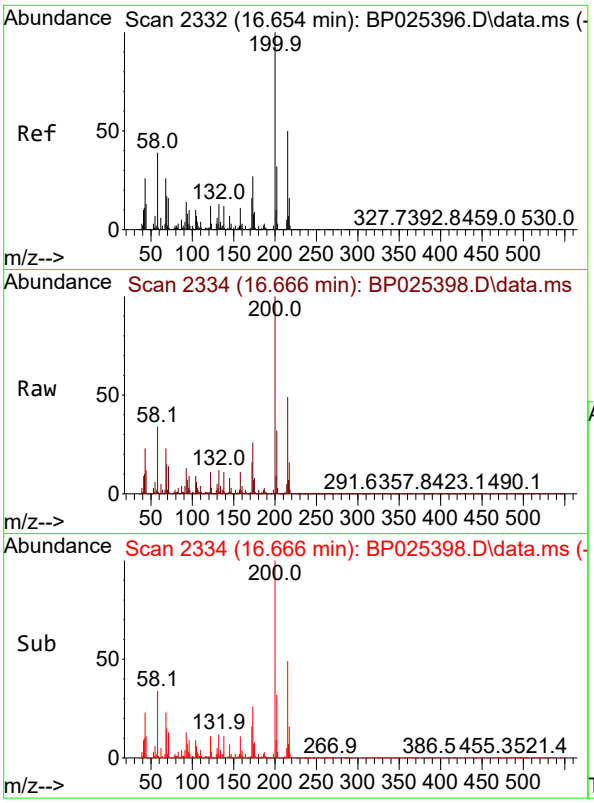


#68
Hexachlorobenzene
Concen: 60.461 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:284 Resp: 711778

Ion	Ratio	Lower	Upper
284	100		
142	36.1	29.1	43.7
249	31.3	25.0	37.4



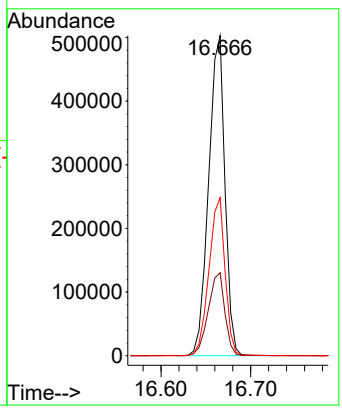


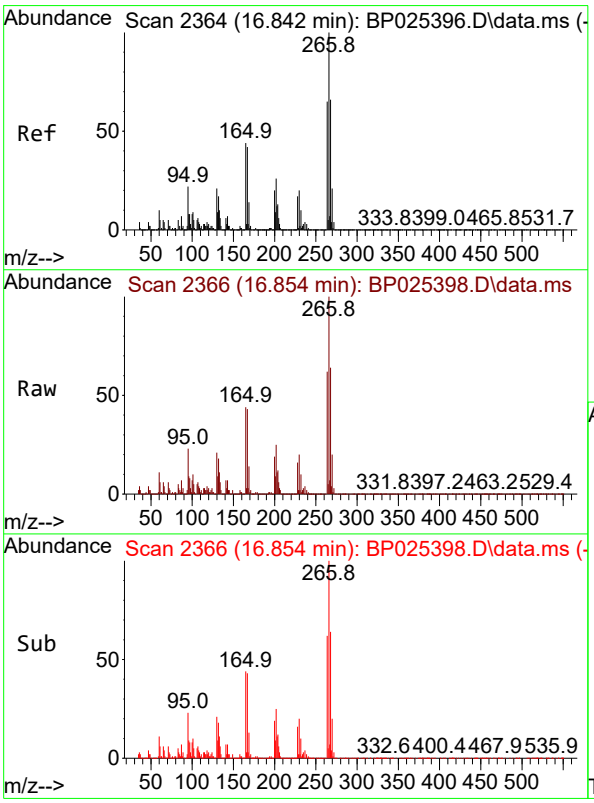
#69
Atrazine
Concen: 60.063 ng
RT: 16.666 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 633381

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.7	46.7
215	49.4	29.7	69.7

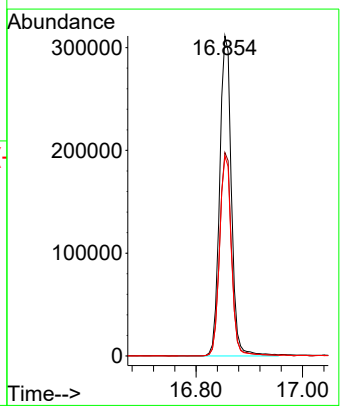


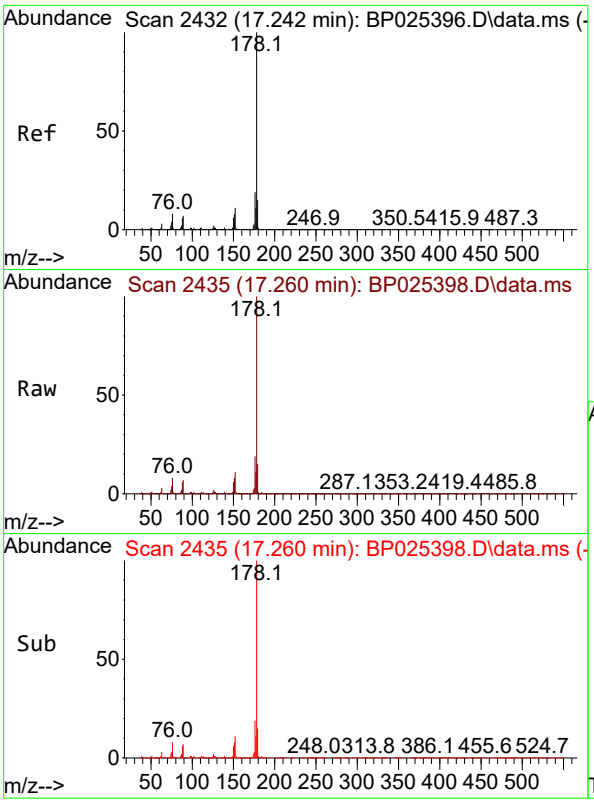


#70
Pentachlorophenol
Concen: 63.820 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:266 Resp: 474276

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	62.4	52.0	78.0



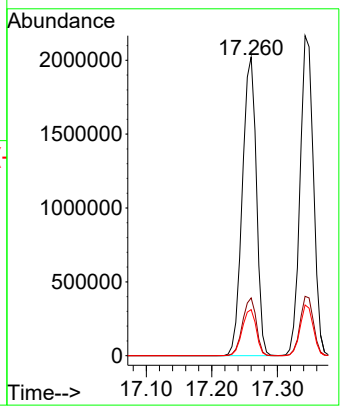


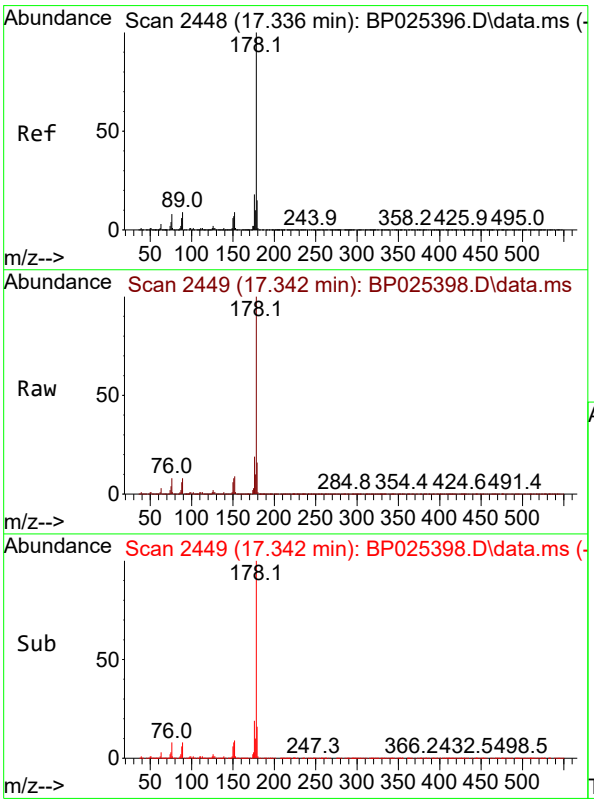
#71
Phenanthrene
Concen: 59.263 ng
RT: 17.260 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 3006132

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.4	12.2	18.4

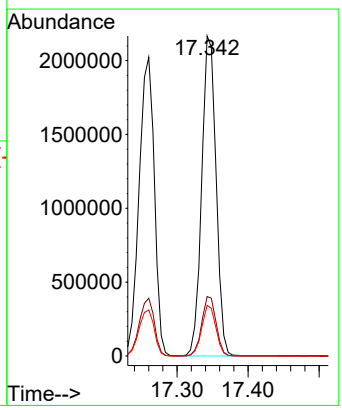


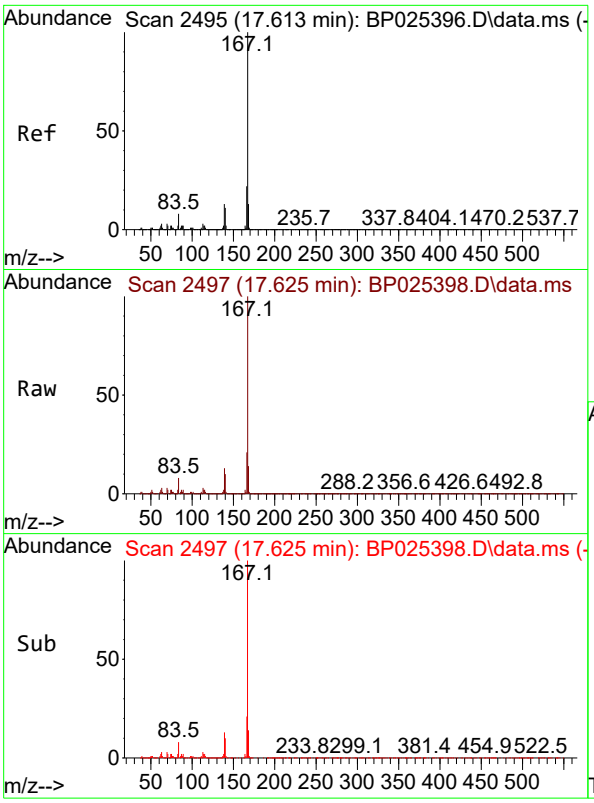


#72
Anthracene
Concen: 58.895 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:178 Resp: 3050794

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.9	12.2	18.2



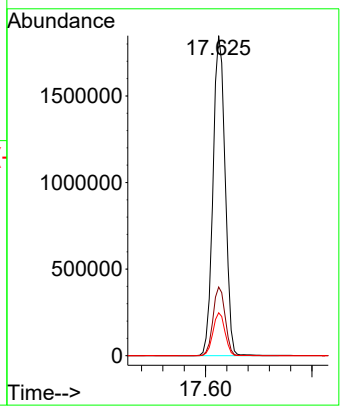


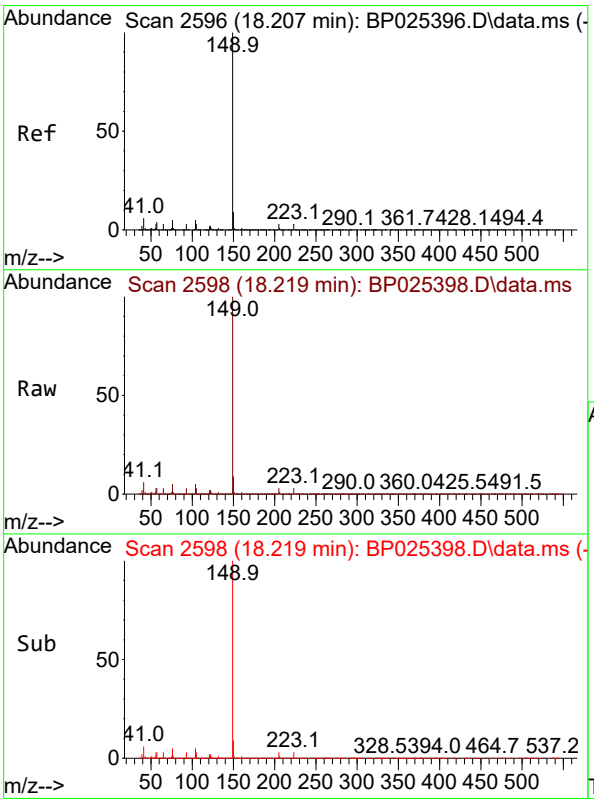
#73
Carbazole
Concen: 59.776 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2916606

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0

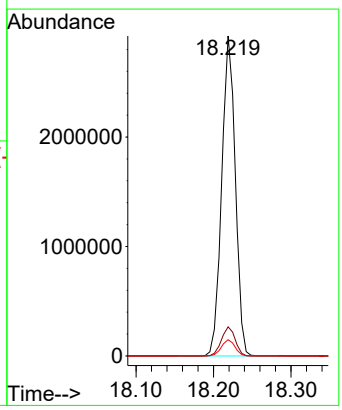


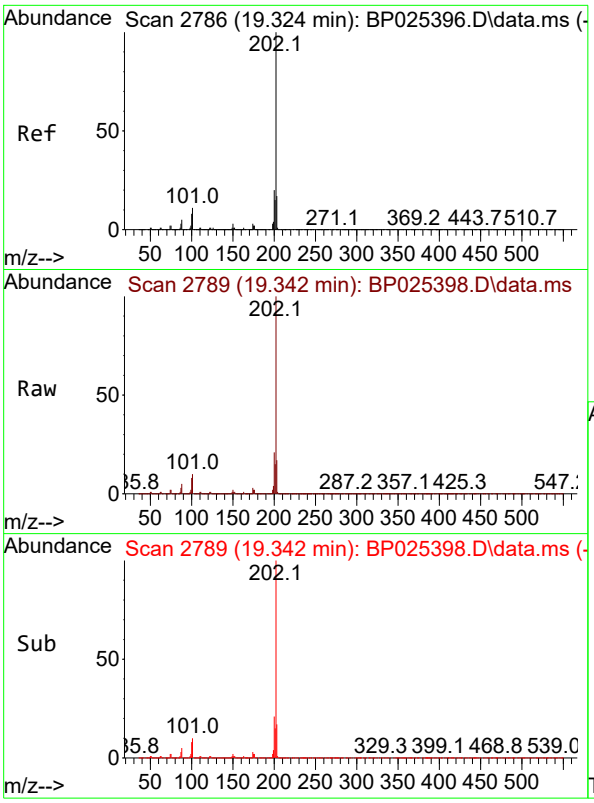


#74
Di-n-butylphthalate
Concen: 59.310 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 3560427

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.1	4.2	6.2



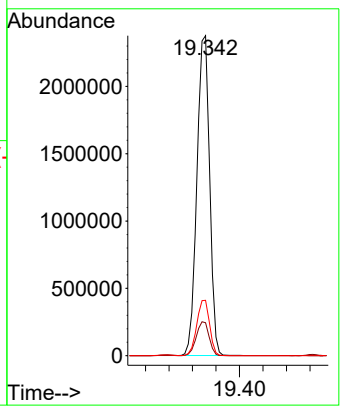


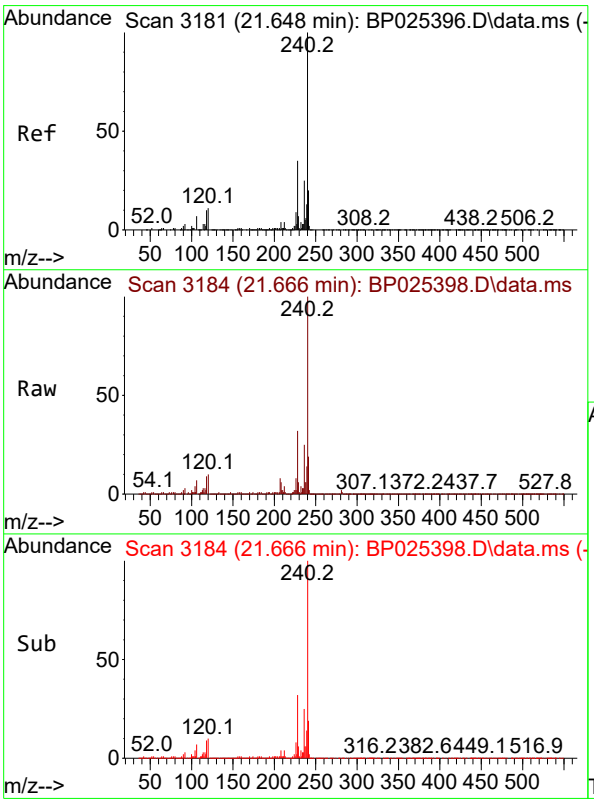
#75
Fluoranthene
Concen: 58.899 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 3563798

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.3	0.0	37.3

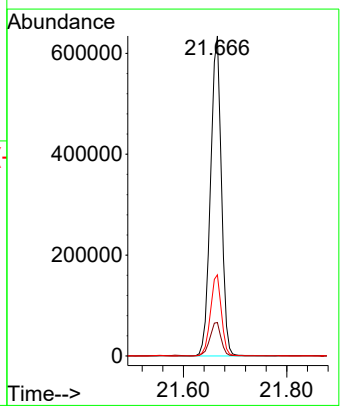


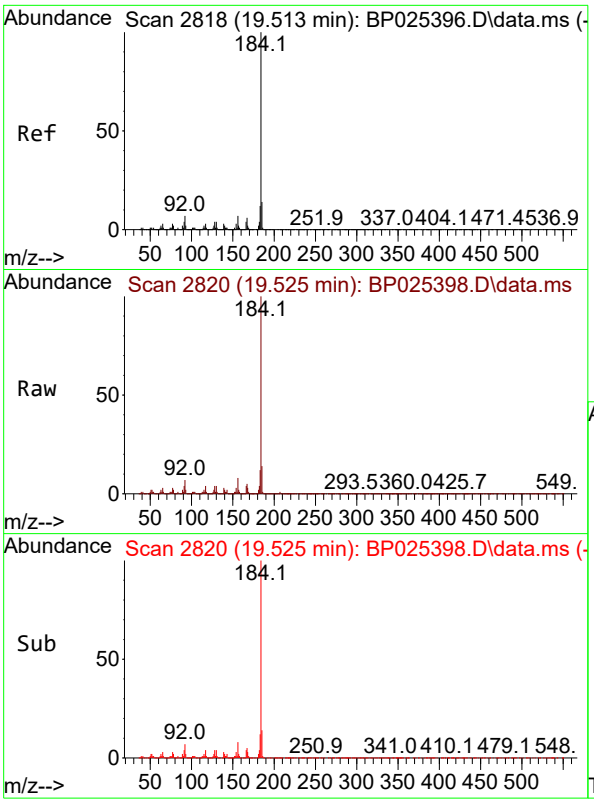


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:240 Resp: 926019

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.3	19.8	29.8



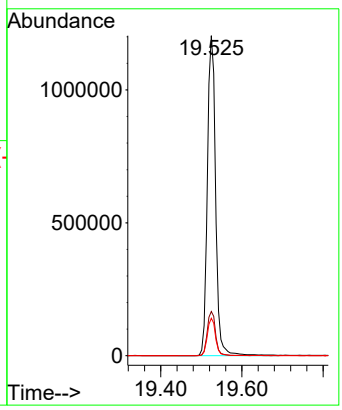


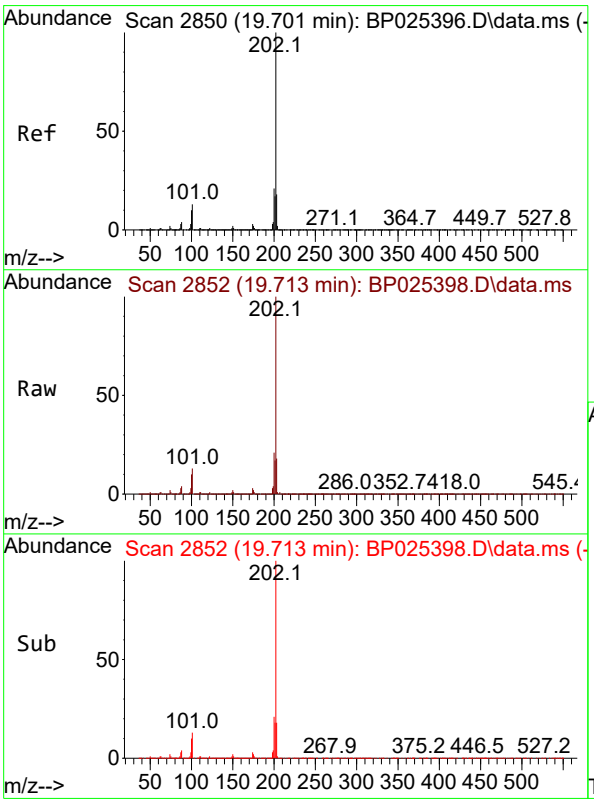
#77
Benzidine
Concen: 53.489 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1690432

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.7	9.4	14.2

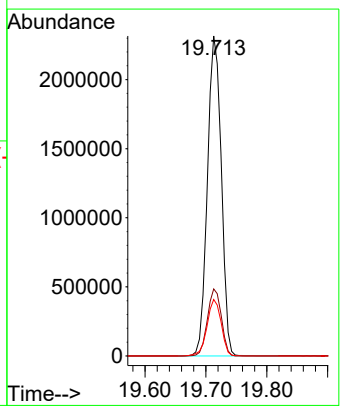


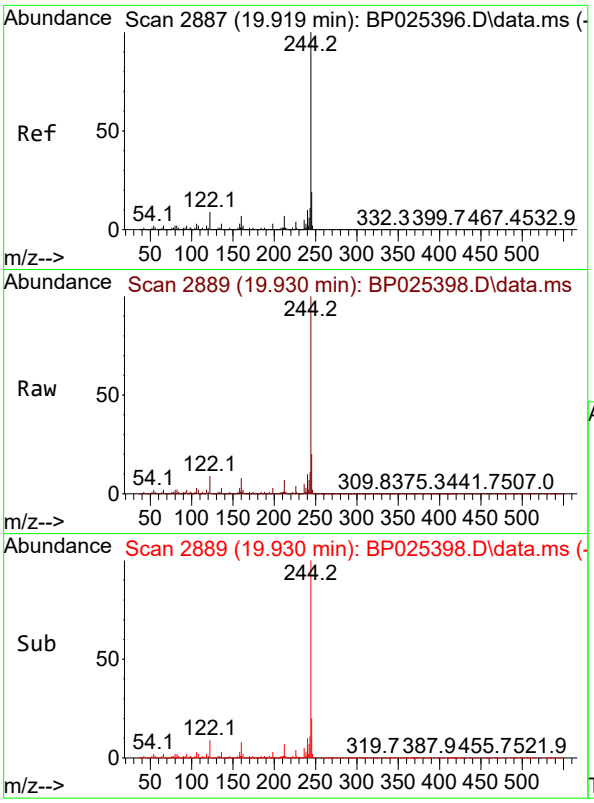


#78
Pyrene
Concen: 60.883 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:202 Resp: 3664453

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.7	14.2	21.2



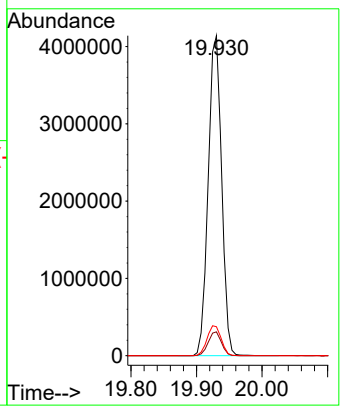


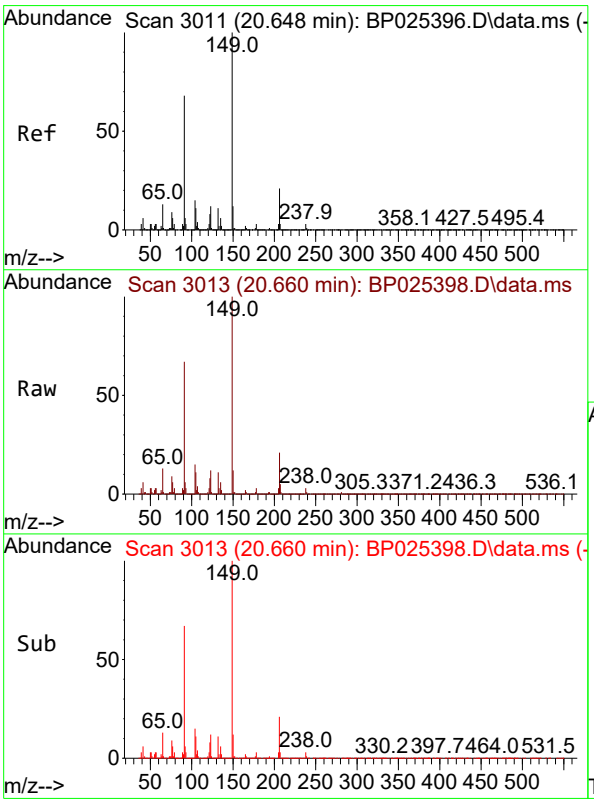
#79
Terphenyl-d14
Concen: 116.490 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 5896004

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2

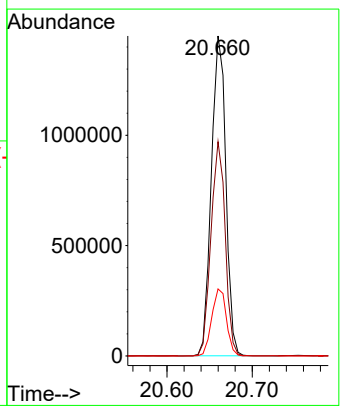


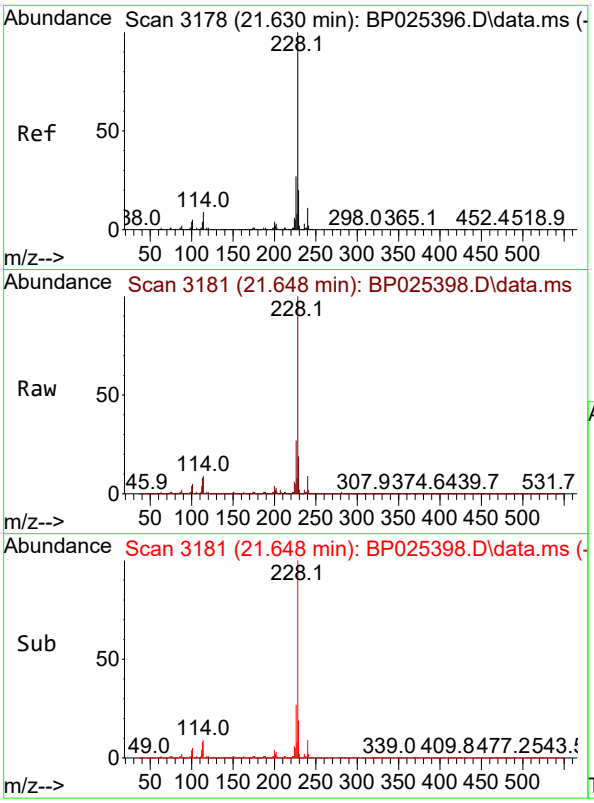


#80
Butylbenzylphthalate
Concen: 62.697 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 1710246

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.2	81.2
206	20.9	16.6	24.8



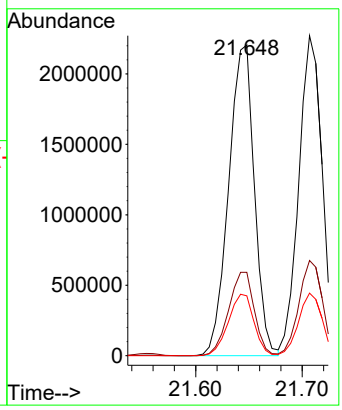


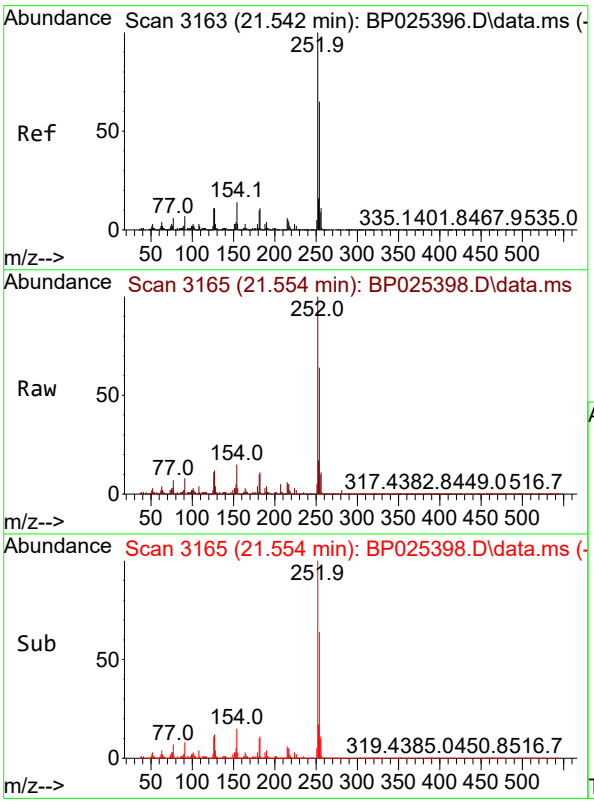
#81
Benzo(a)anthracene
Concen: 60.619 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3702064

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.2	15.6	23.4

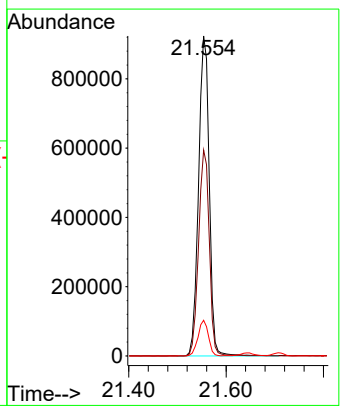


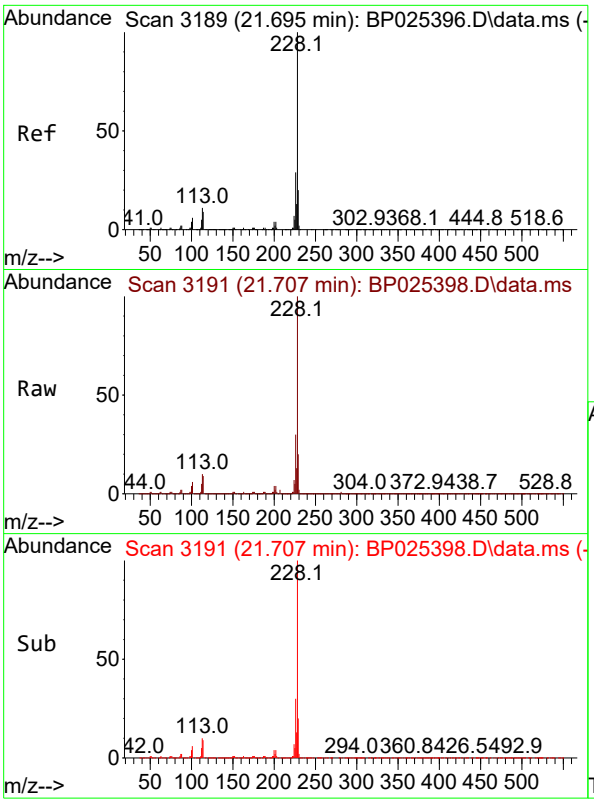


#82
3,3'-Dichlorobenzidine
Concen: 61.062 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 1405597

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.8	77.6
126	11.2	9.1	13.7



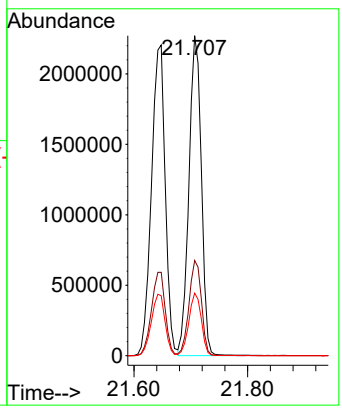


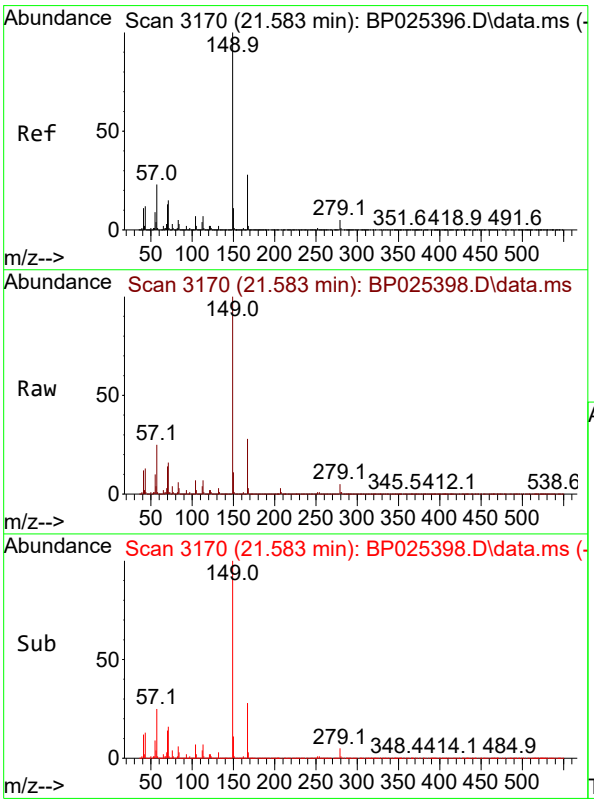
#83
Chrysene
Concen: 60.387 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3453736

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.6	15.6	23.4

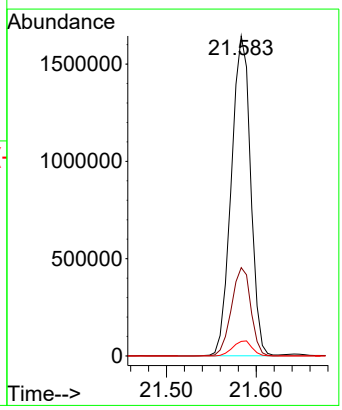


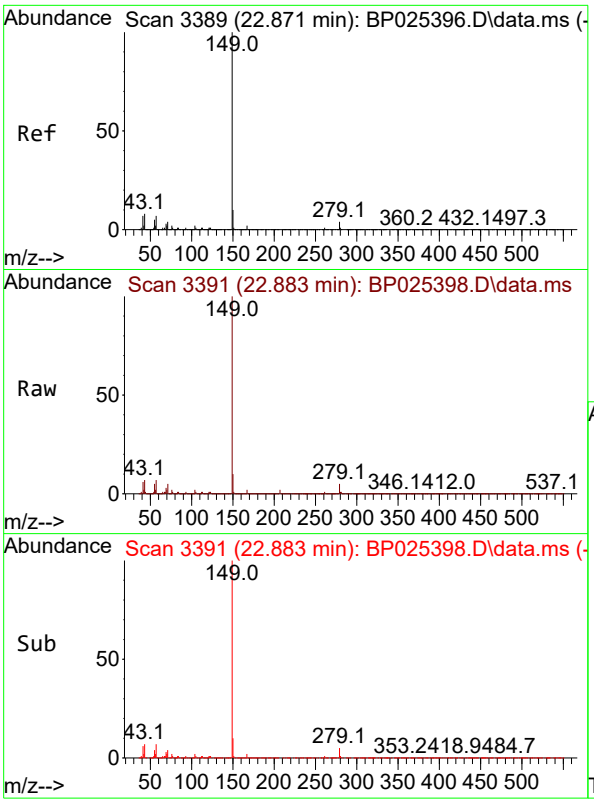


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.038 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:149 Resp: 2450963

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.6	3.8	5.6



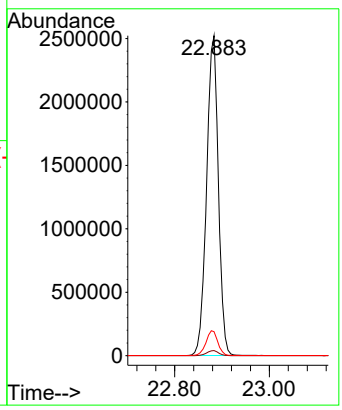


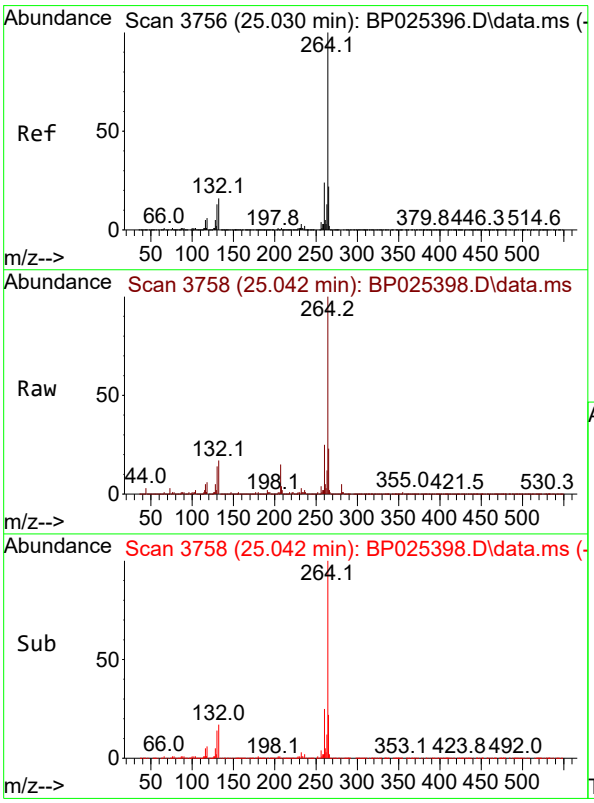
#85
Di-n-octyl phthalate
Concen: 62.869 ng
RT: 22.883 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4342211

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	6.3	9.5

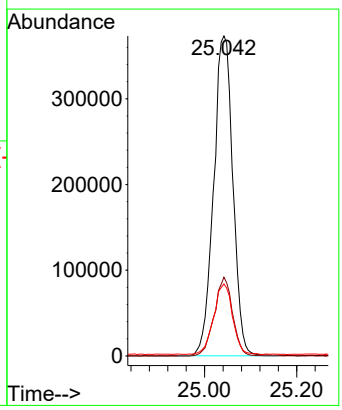


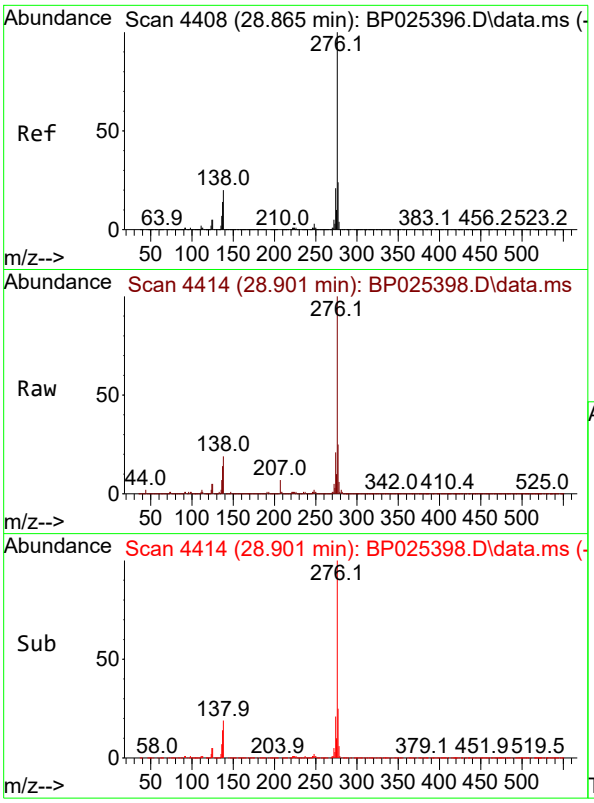


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.012 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:264 Resp: 1081163

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.5	17.4	26.0



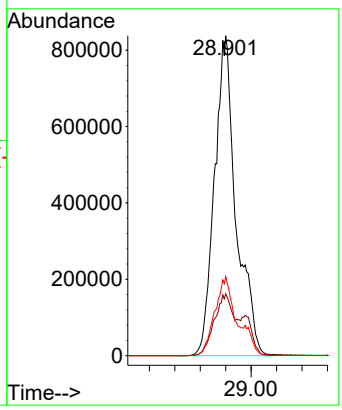


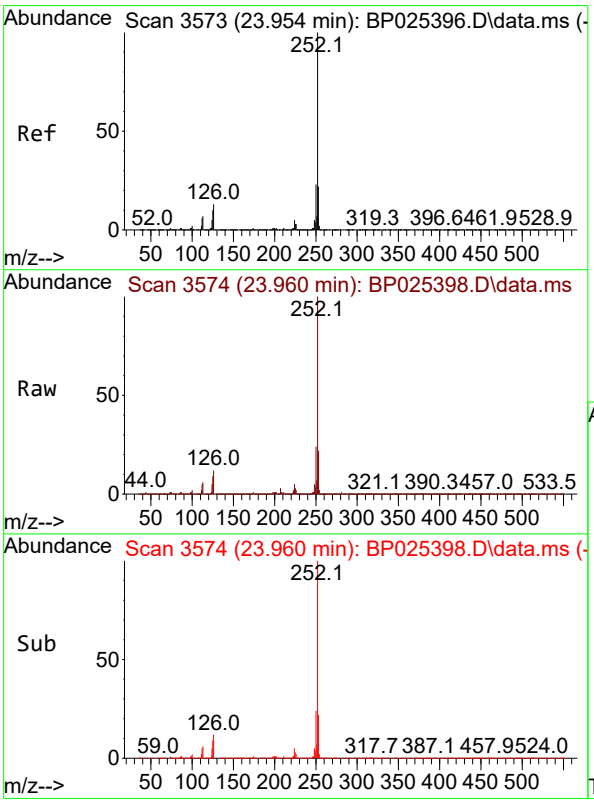
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.248 ng
RT: 28.901 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 4937235

Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.9	19.3
277	22.4	17.0	25.6

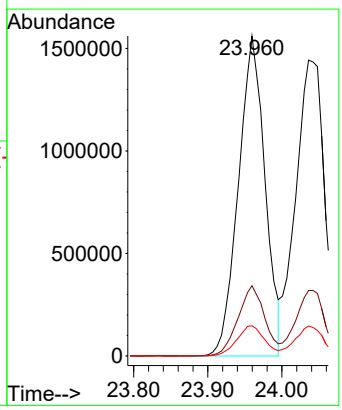


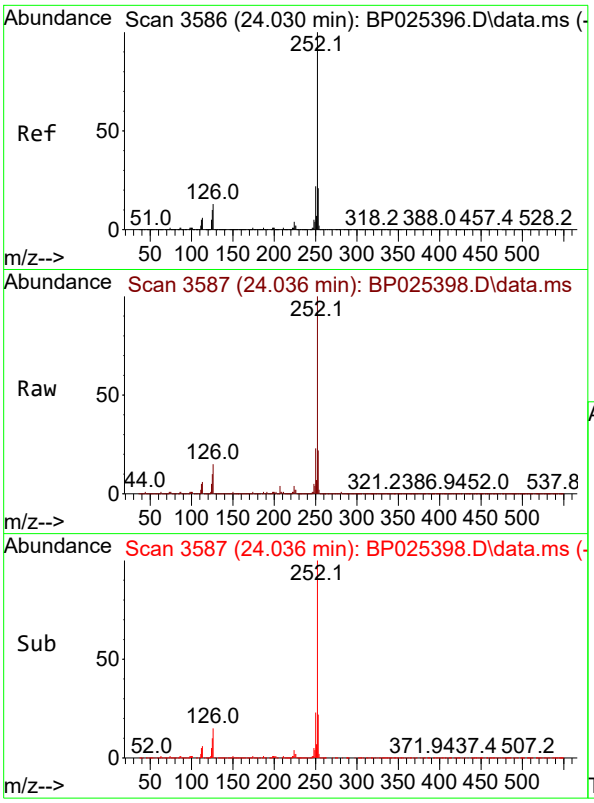


#88
Benzo(b)fluoranthene
Concen: 60.914 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3883465

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.4	7.9	11.9



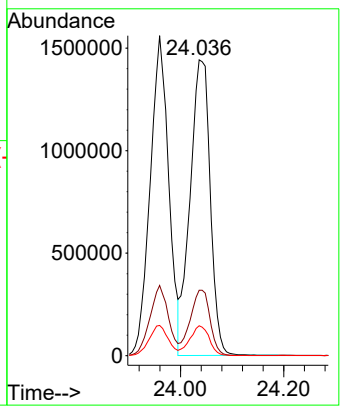


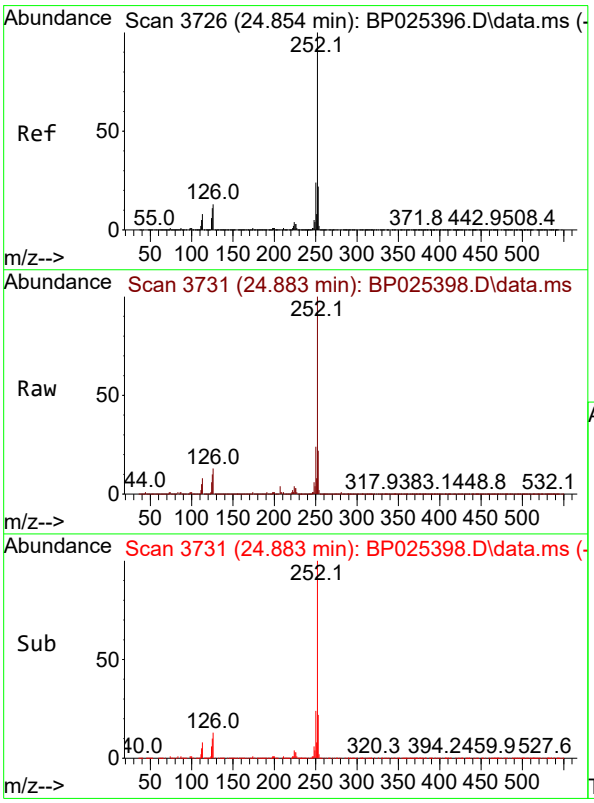
#89
Benzo(k)fluoranthene
Concen: 61.334 ng
RT: 24.036 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 3912900

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.1	7.8	11.6

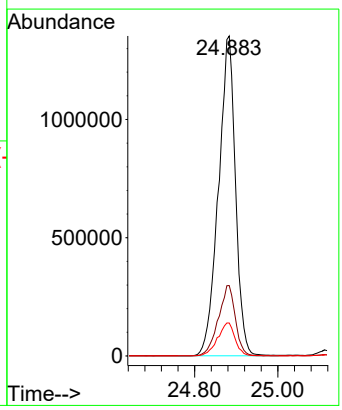


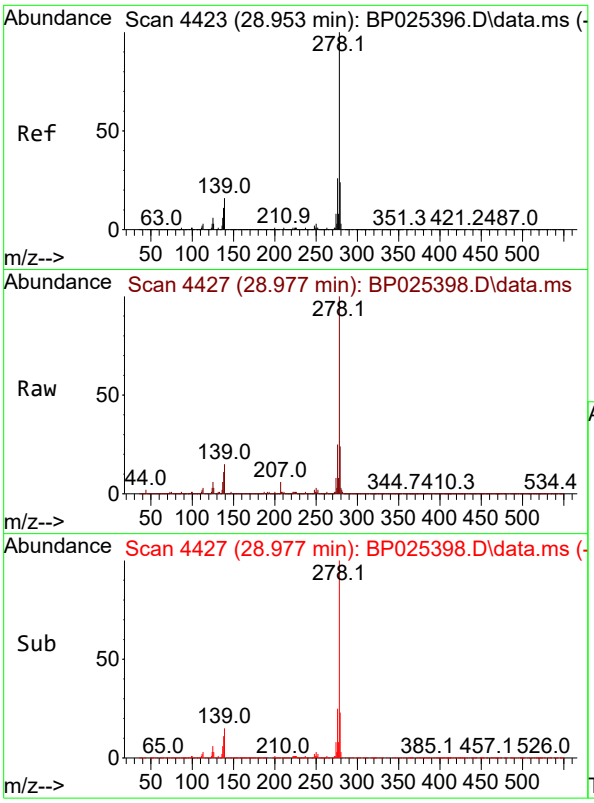


#90
Benzo(a)pyrene
Concen: 61.959 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.030 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:252 Resp: 3845093

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.3	8.7	13.1



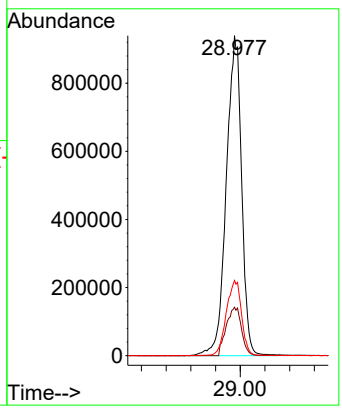


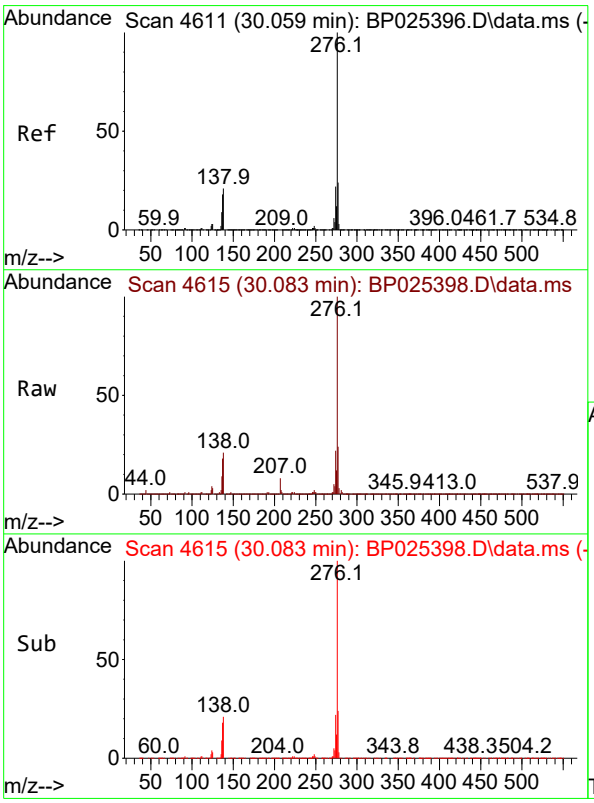
#91
Dibenzo(a,h)anthracene
Concen: 62.280 ng
RT: 28.977 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4035414

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.5	19.4	29.2

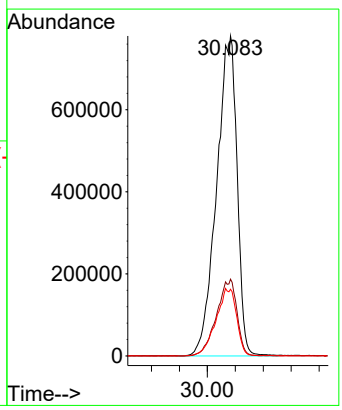




#92
Benzo(g,h,i)perylene
Concen: 62.159 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.024 min
Lab File: BP025398.D
Acq: 14 Aug 2025 16:42

Tgt Ion:276 Resp: 3958545

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	20.8	16.7	25.1



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	6168570m	81.030	ng	
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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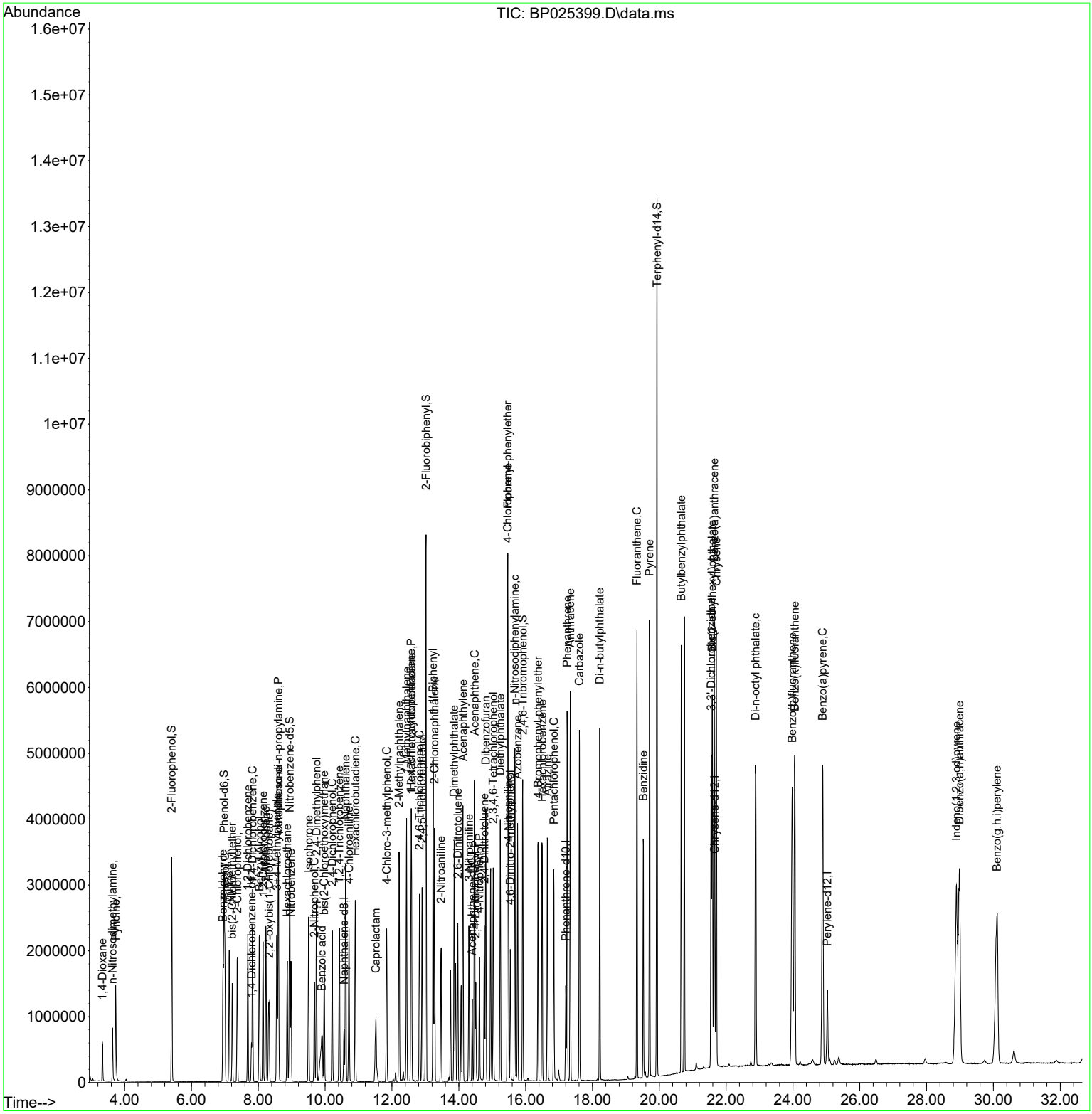
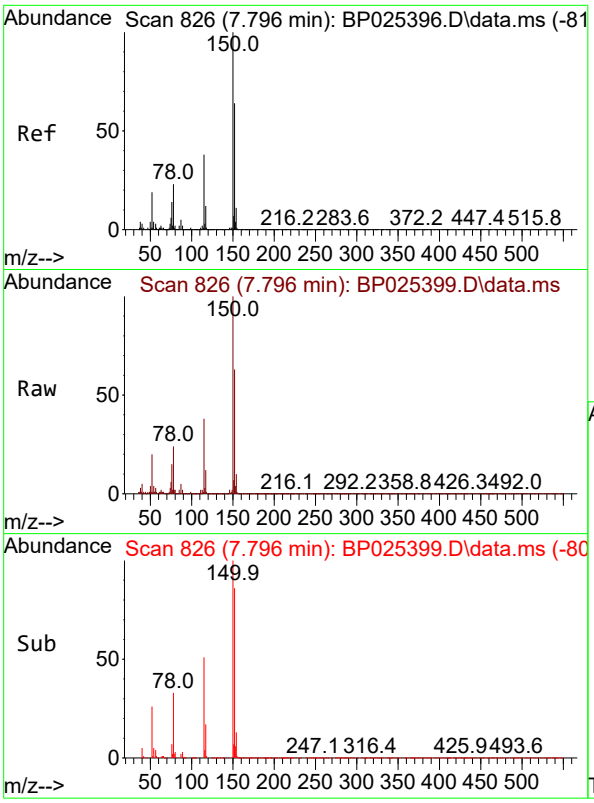
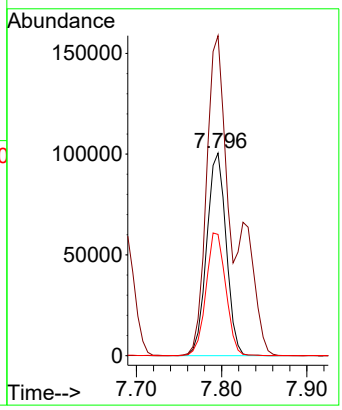




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:152 Resp: 15914

Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.9	188.9
115	59.9	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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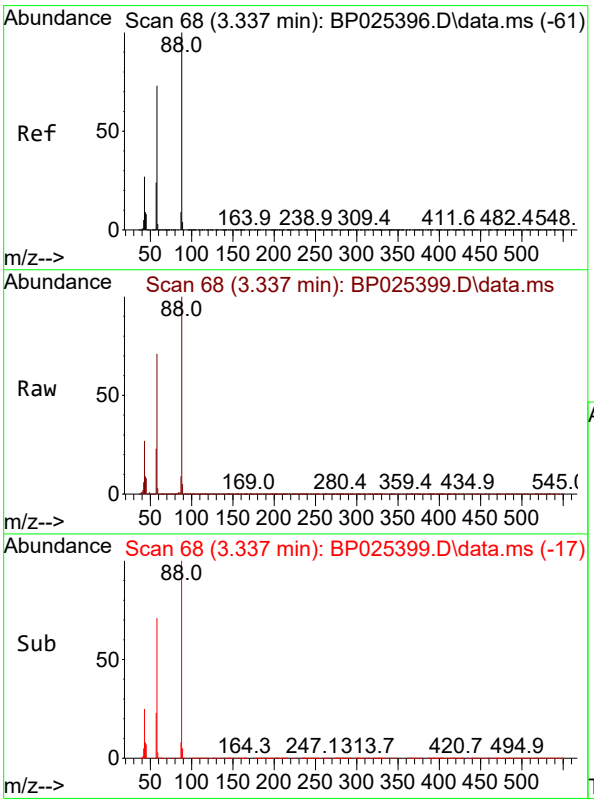
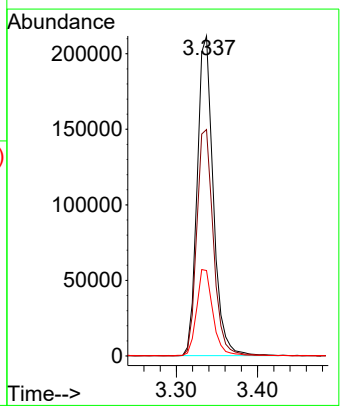
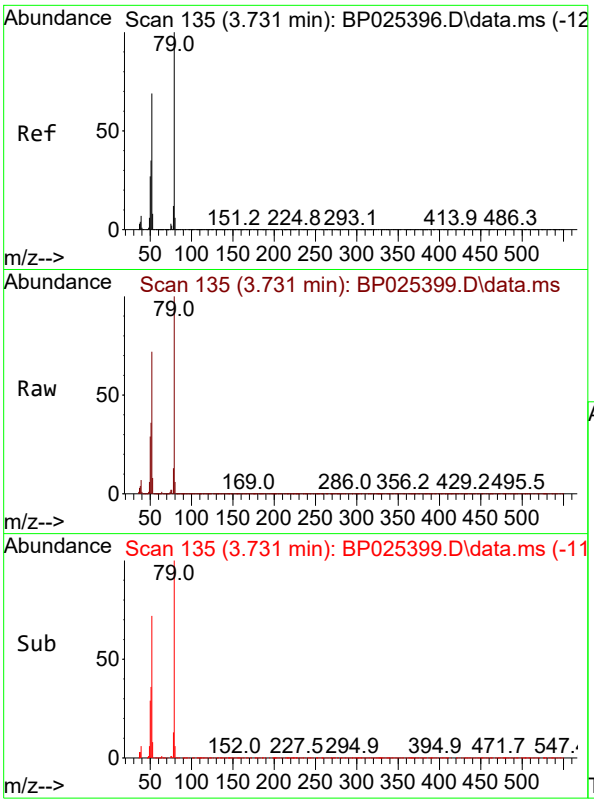


#2
1,4-Dioxane
Concen: 77.664 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527

Ion	Ratio	Lower	Upper
88	100		
58	73.3	59.2	88.8
43	27.4	21.7	32.5

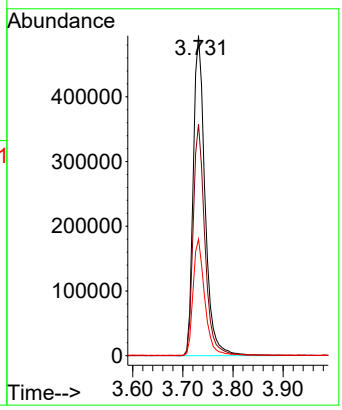




#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 79 Resp: 80726

Ion	Ratio	Lower	Upper
79	100		
52	72.4	55.5	83.3
51	36.4	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
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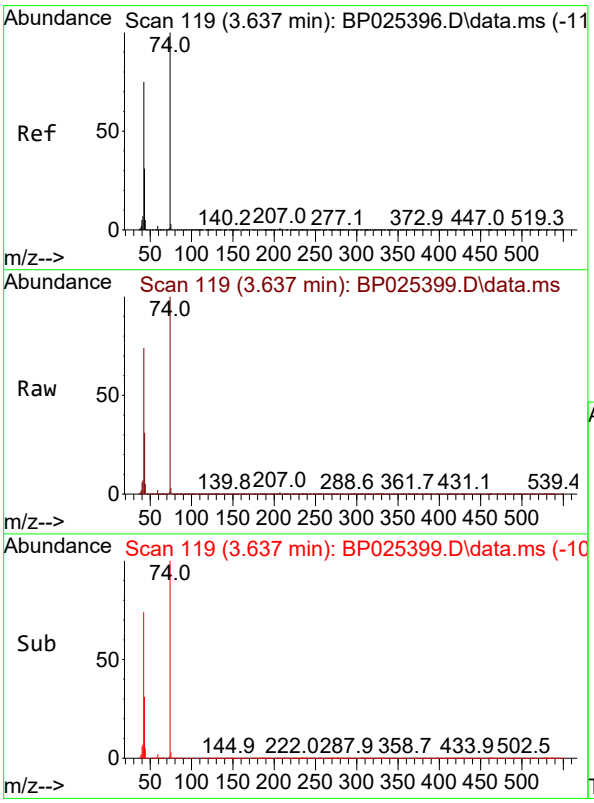
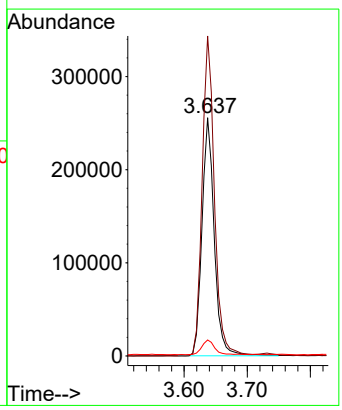
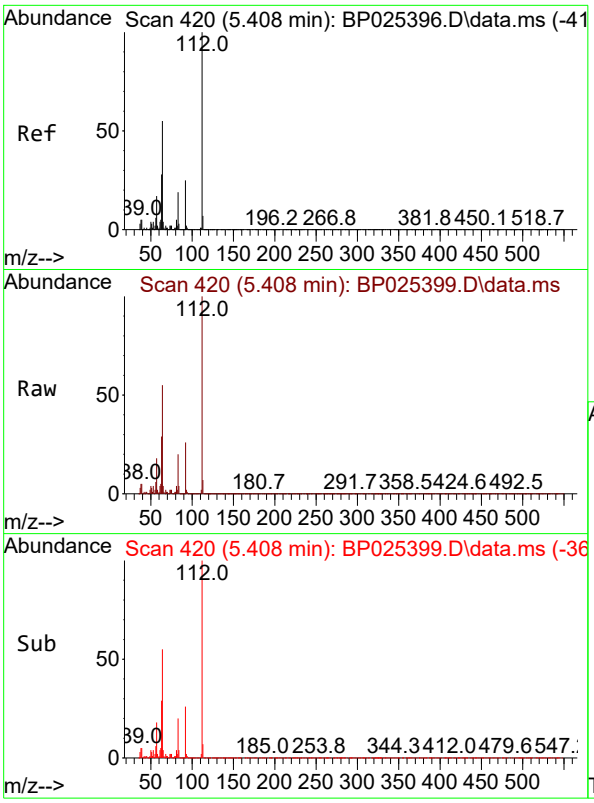


#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 42 Resp: 344349

Ion	Ratio	Lower	Upper
42	100		
74	134.3	107.0	160.4
44	6.7	6.2	9.4

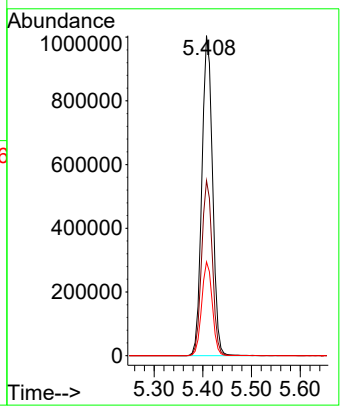




#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:112 Resp: 152616

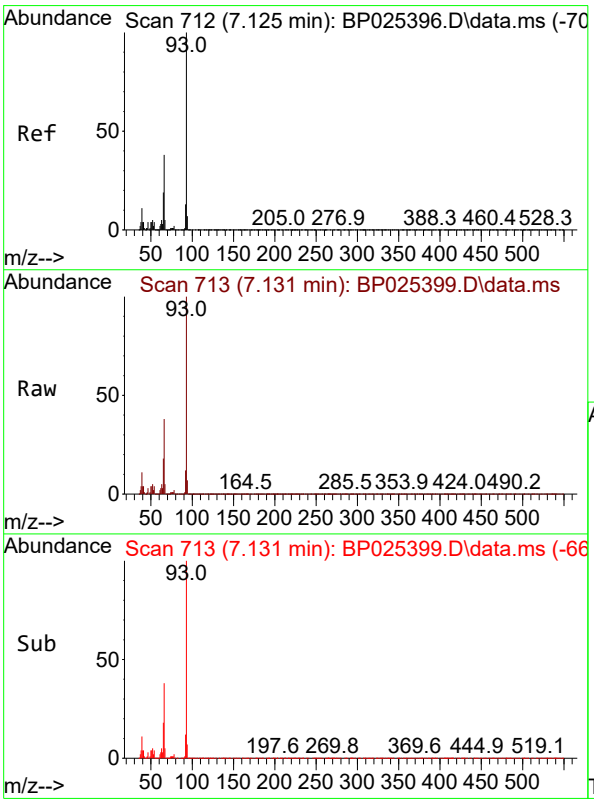
Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	29.3	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

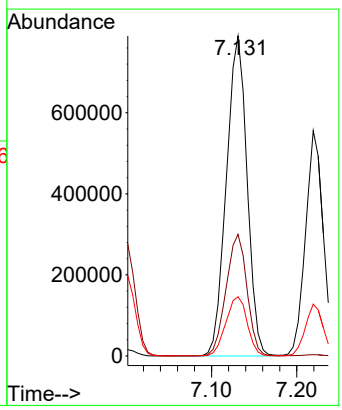
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

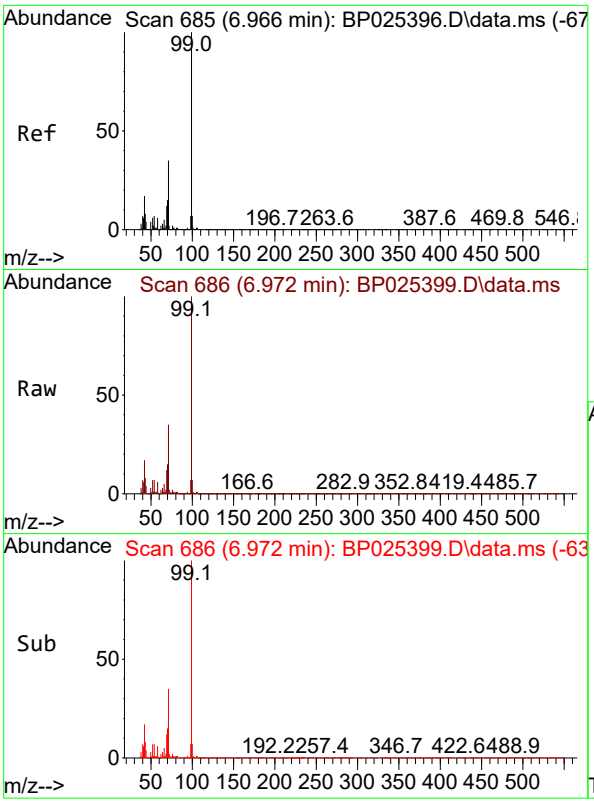


#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.5	15.3	22.9

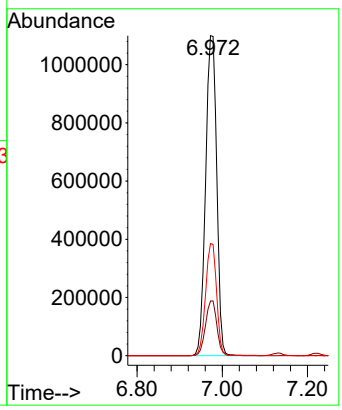




#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 99 Resp: 198963

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.1	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
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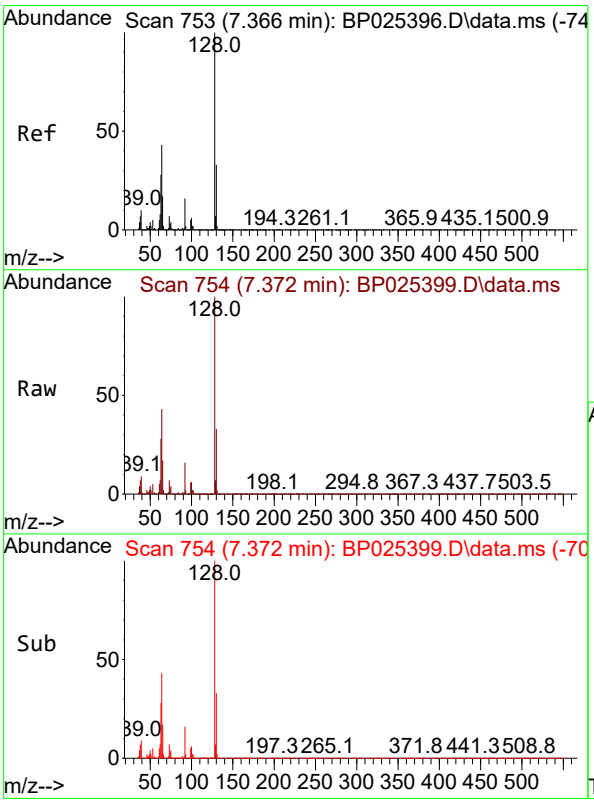
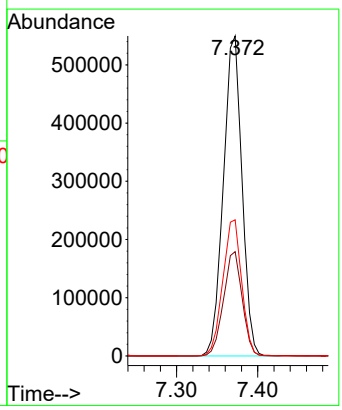
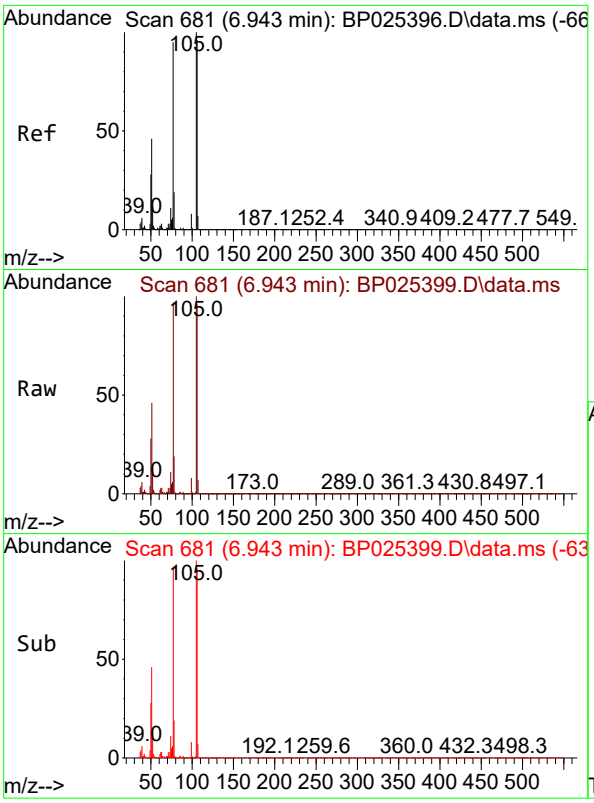


#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 877073

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	42.5	23.4	63.4





#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 58234

Ion	Ratio	Lower	Upper
77	100		
105	103.0	84.8	124.8
106	99.3	80.5	120.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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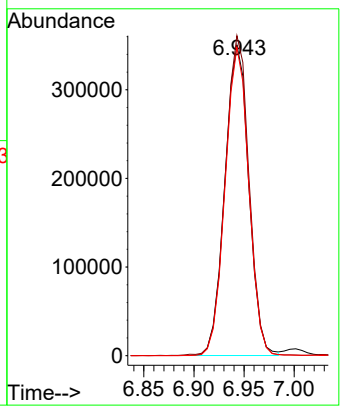
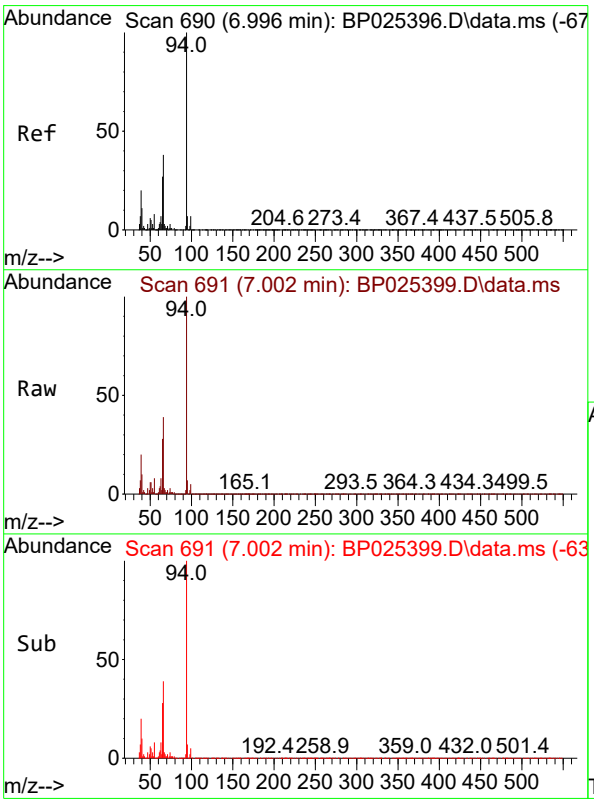
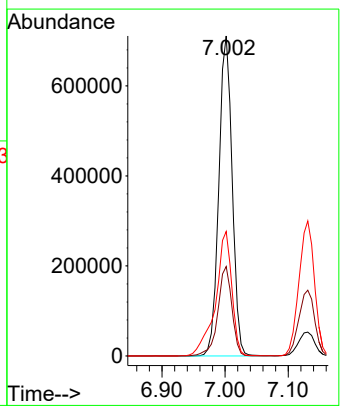


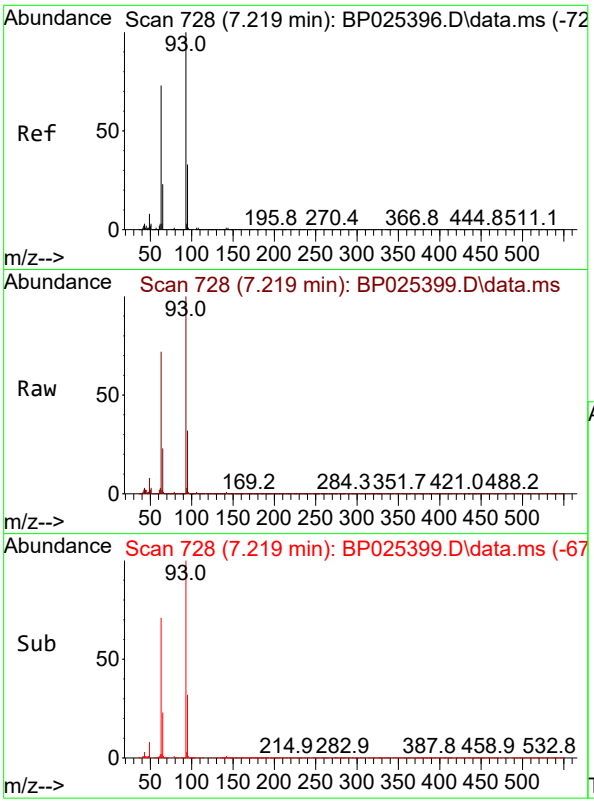


#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 94 Resp: 1040534

Ion	Ratio	Lower	Upper
94	100		
65	28.0	6.8	46.8
66	38.9	18.2	58.2

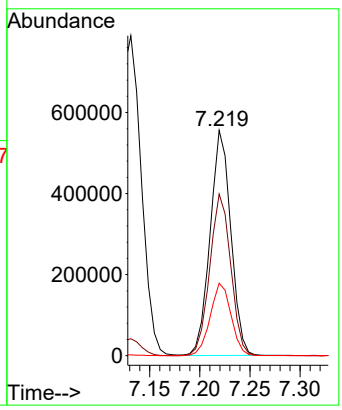




#11
bis(2-Chloroethyl)ether
Concen: 79.481 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 79867

Ion	Ratio	Lower	Upper
93	100		
63	71.7	52.6	92.6
95	32.2	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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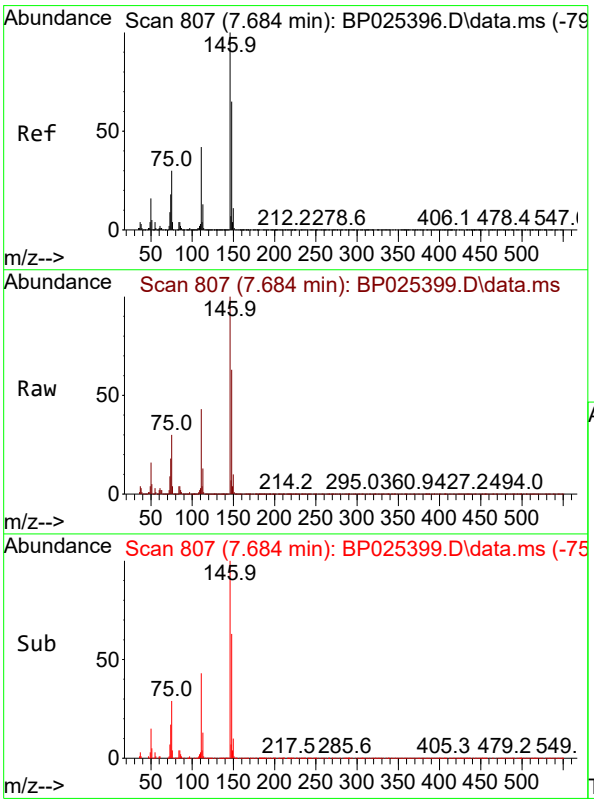
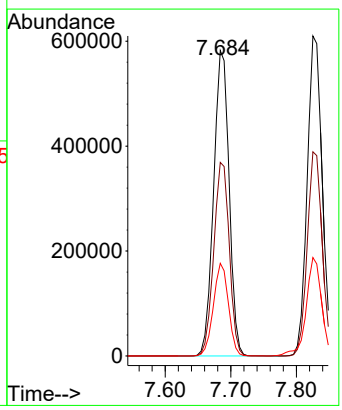
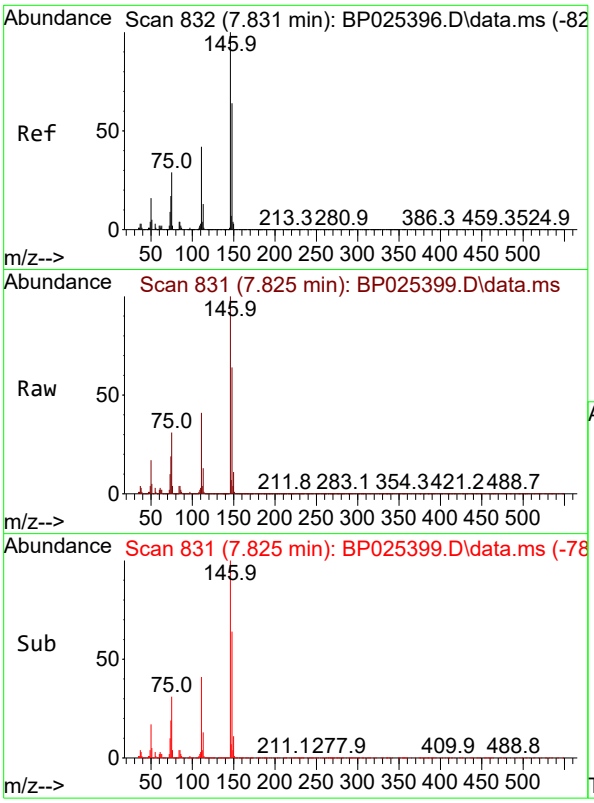


#12
1,3-Dichlorobenzene
Concen: 79.718 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 950596

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.9	77.9
75	30.3	23.7	35.5

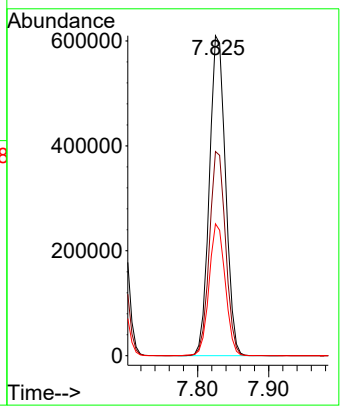




#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 96142

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	41.2	33.4	50.0



Instrument :
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ClientSampleId :
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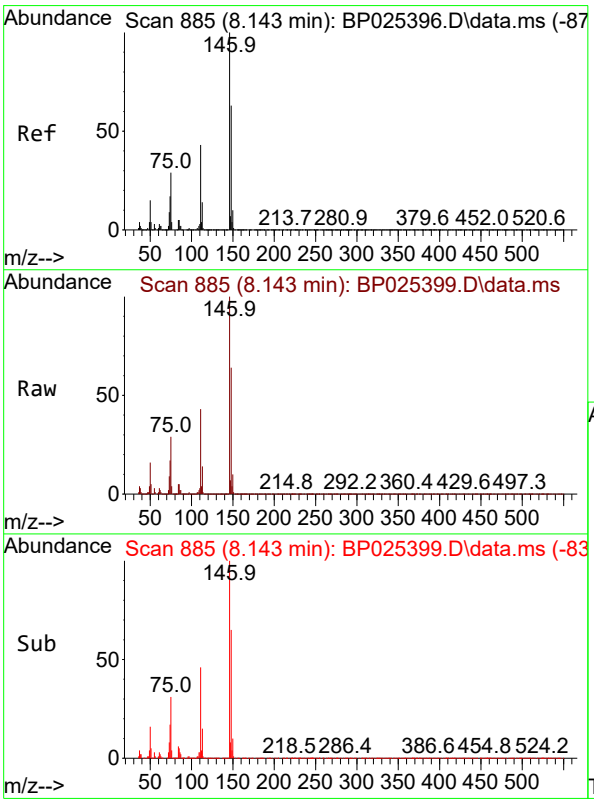
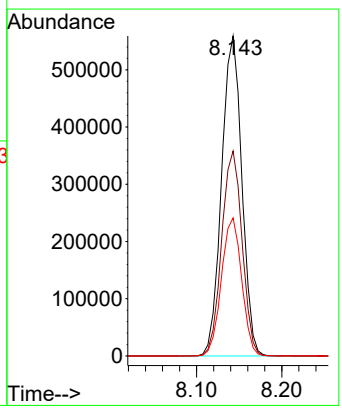
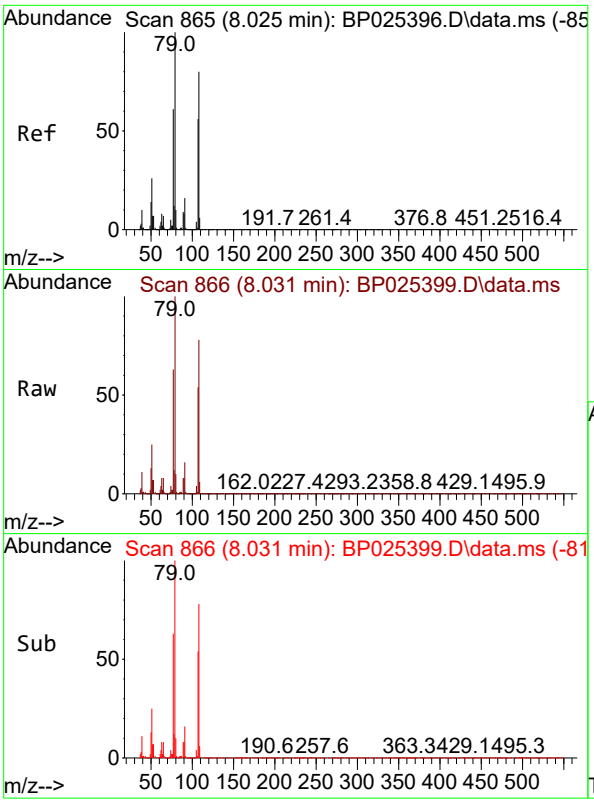


#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	43.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 79 Resp: 79561

Ion	Ratio	Lower	Upper
79	100		
108	78.3	63.8	95.6
77	62.8	49.0	73.4

Instrument :
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ClientSampleId :
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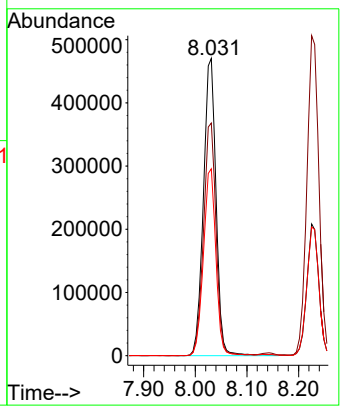
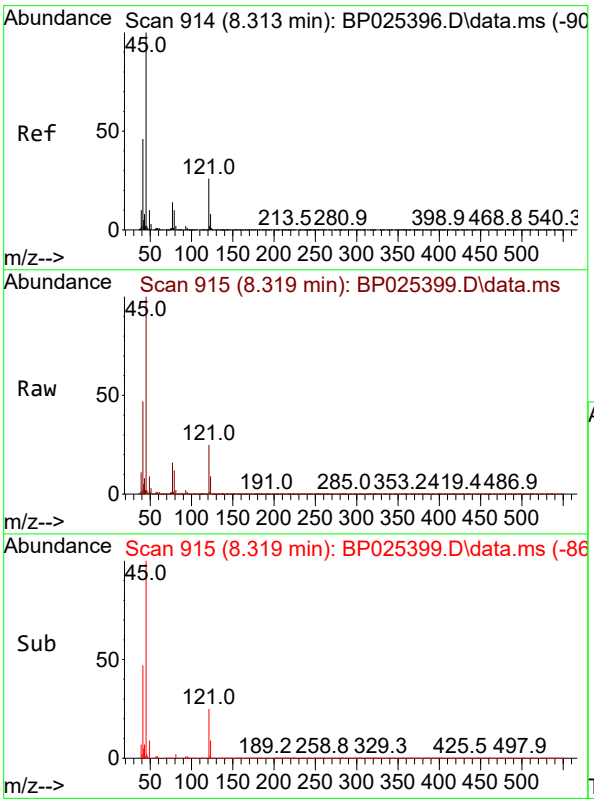
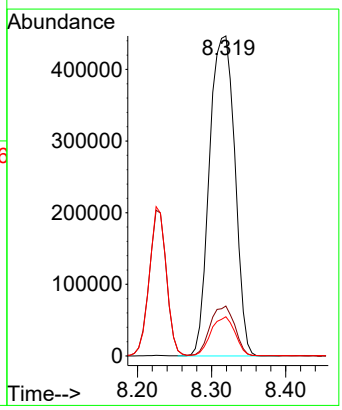


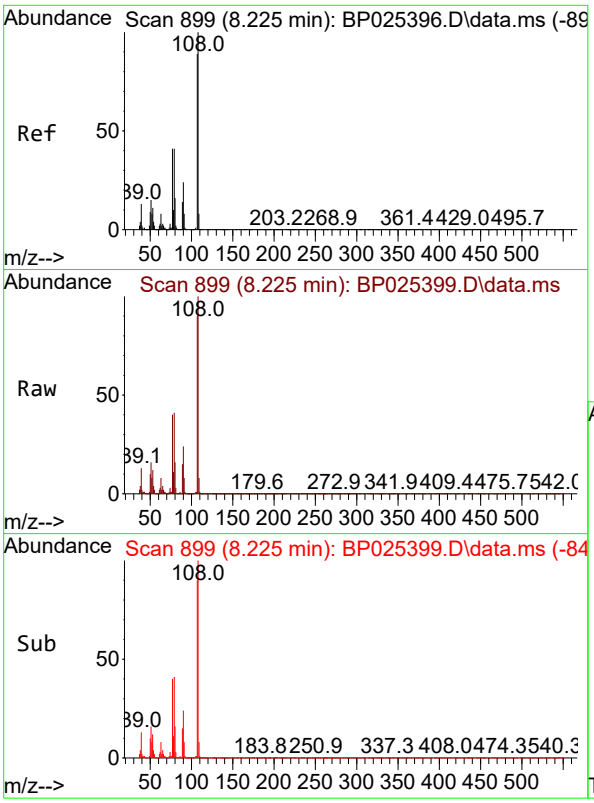


#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.2	0.0	31.8

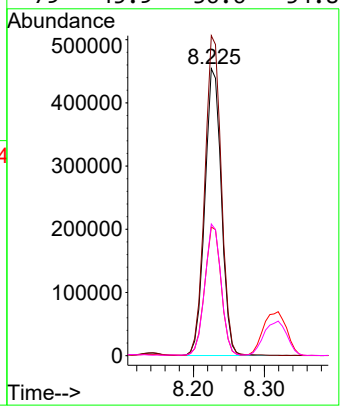




#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 73448

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8



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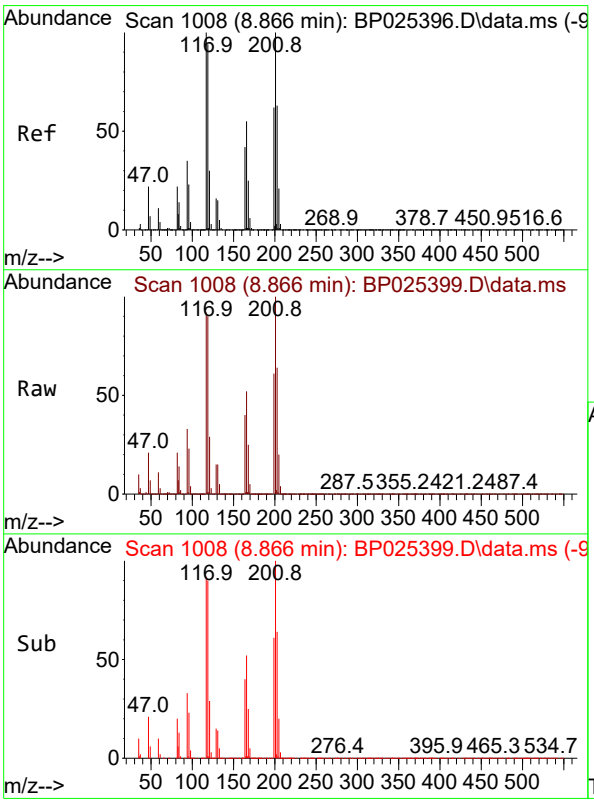
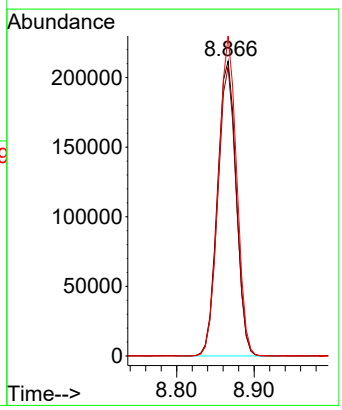
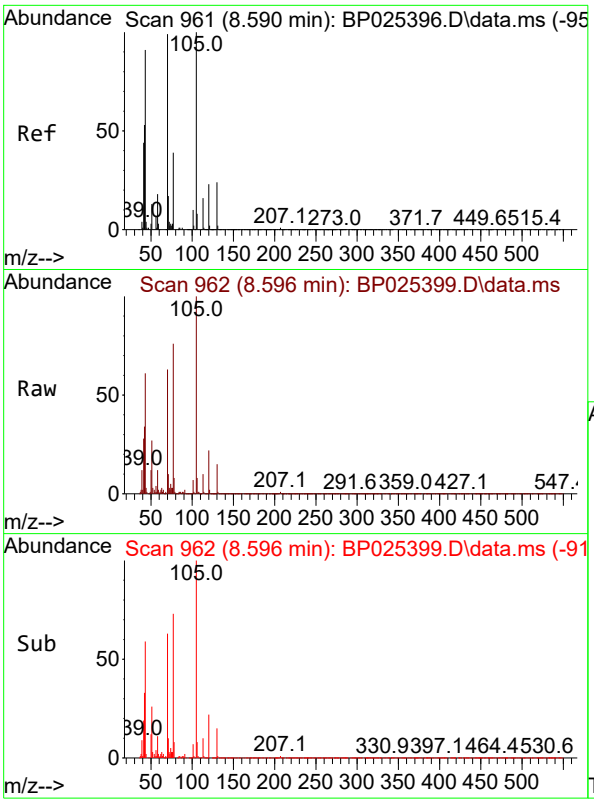


#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:117 Resp: 355791

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1

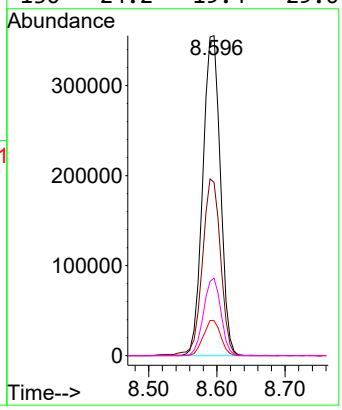




#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 70 Resp: 63638

Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.0	8.5	12.7
130	24.2	19.4	29.0



Instrument :
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ClientSampleId :
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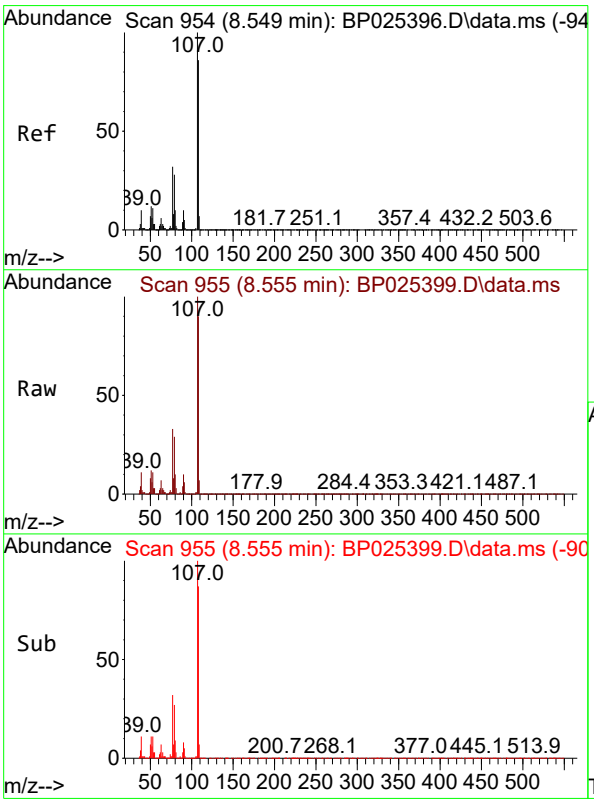
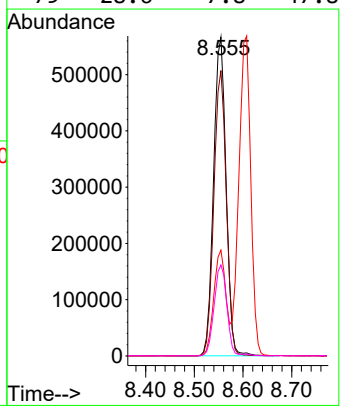
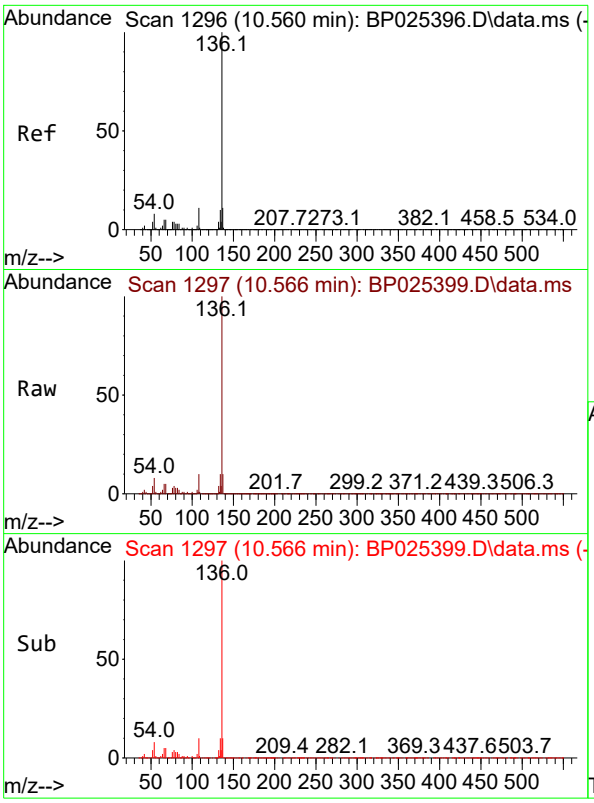


#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 1005632

Ion	Ratio	Lower	Upper
107	100		
108	89.6	66.3	106.3
77	33.2	12.3	52.3
79	28.6	7.8	47.8

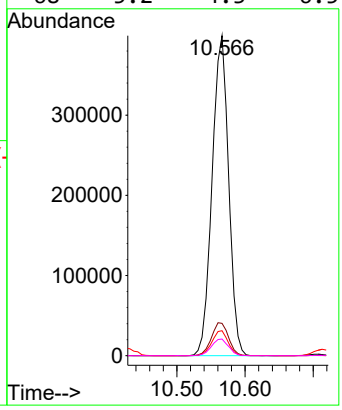




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:136 Resp: 673018

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5



Instrument :
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ClientSampleId :
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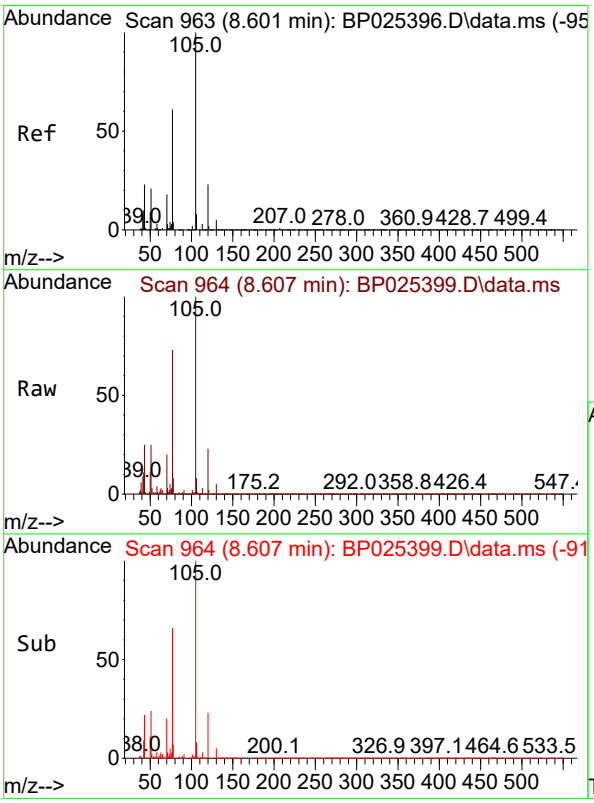
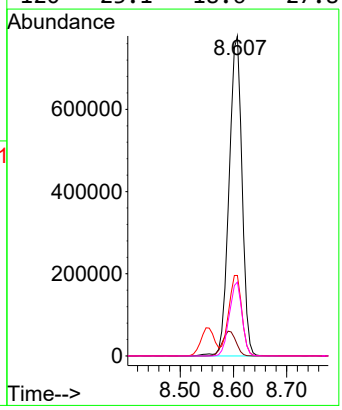
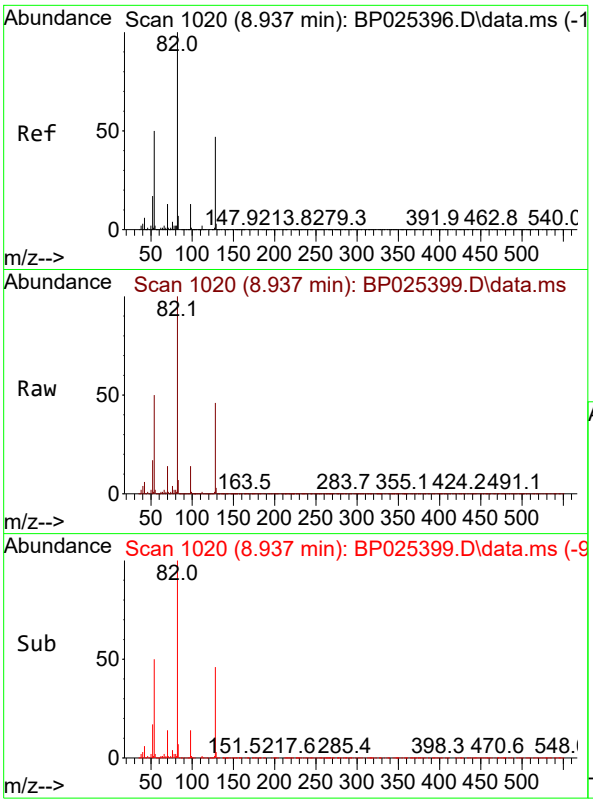


#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:105 Resp: 1314548

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8

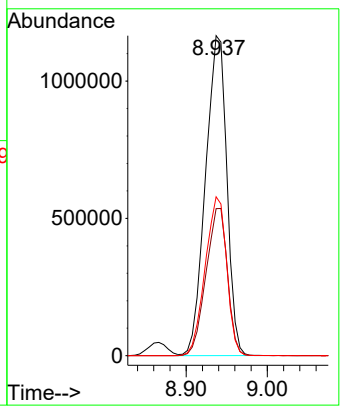




#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 82 Resp: 212352

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	49.7	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
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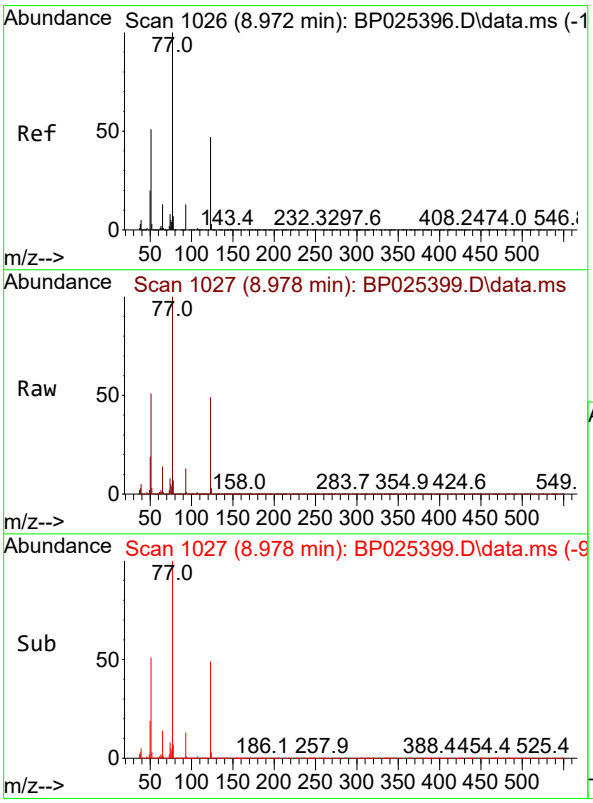
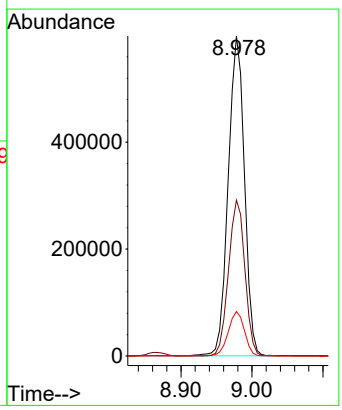
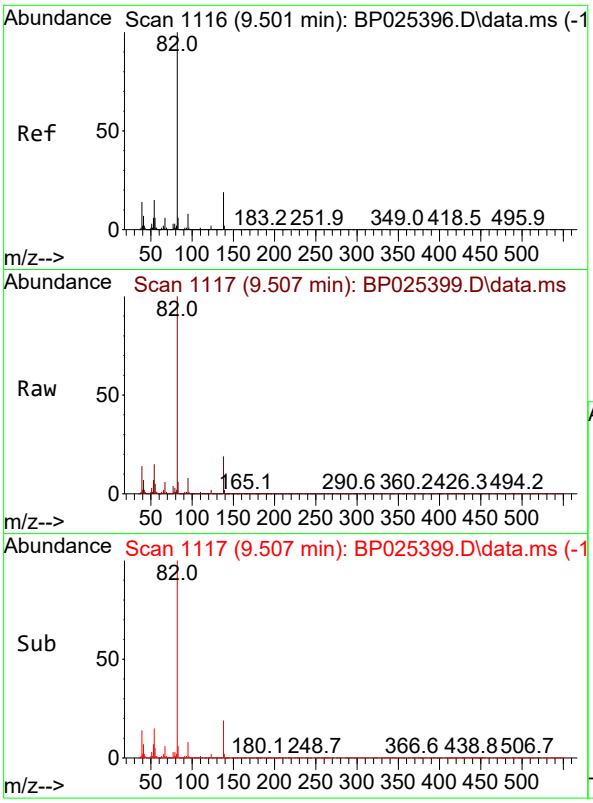


#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 947511

Ion	Ratio	Lower	Upper
77	100		
123	48.7	38.6	58.0
65	13.9	10.6	15.8





#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 82 Resp: 182967

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	19.4	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
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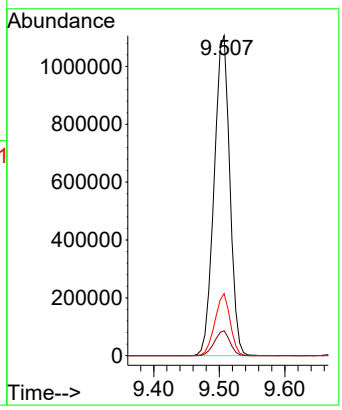
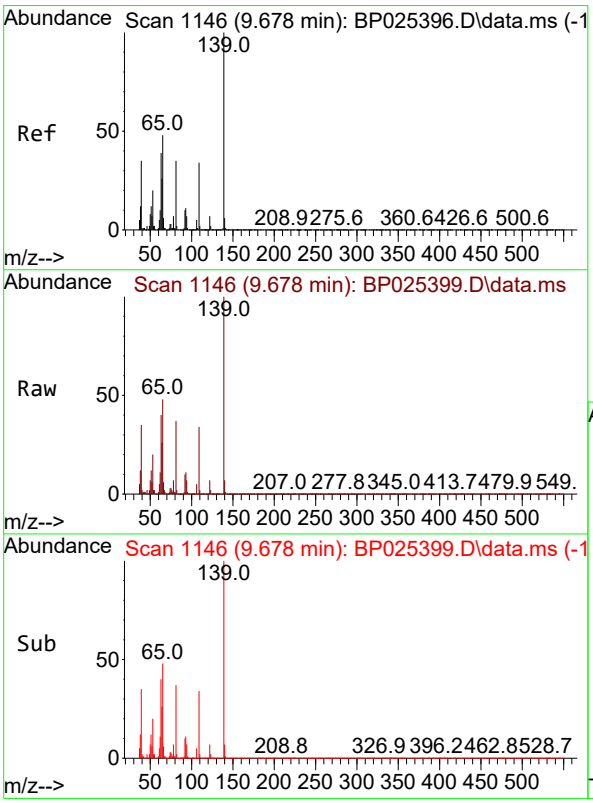
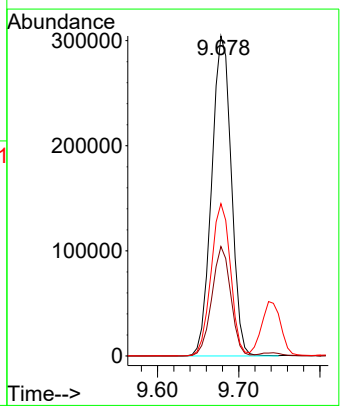


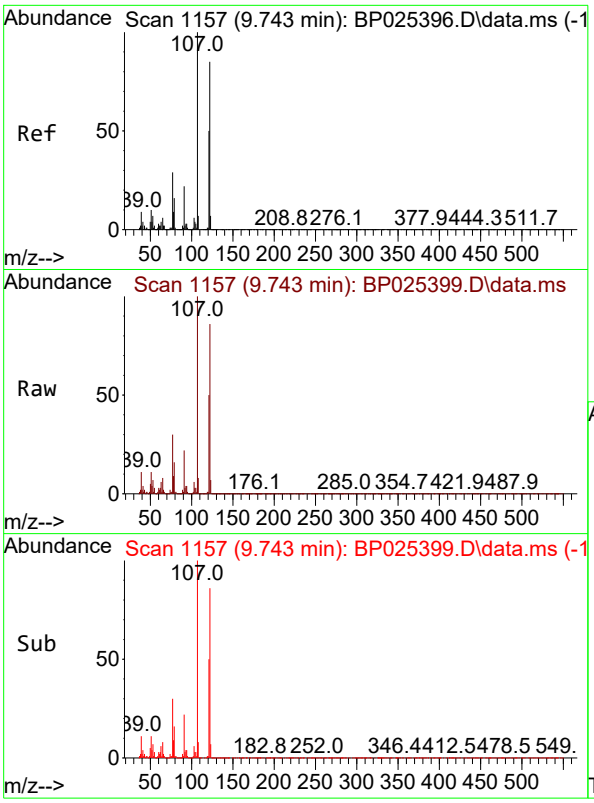


#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 511806

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.9	40.3
65	47.6	38.3	57.5

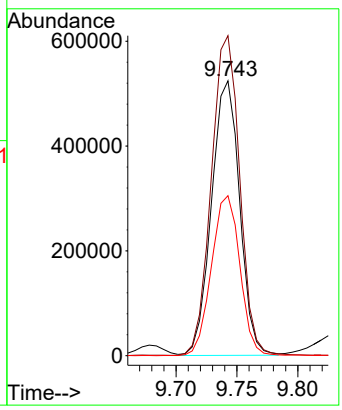




#27
2,4-Dimethylphenol
Concen: 80.280 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 84246

Ion	Ratio	Lower	Upper
122	100		
107	116.4	93.7	140.5
121	58.2	46.6	69.8



Instrument :
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ClientSampleId :
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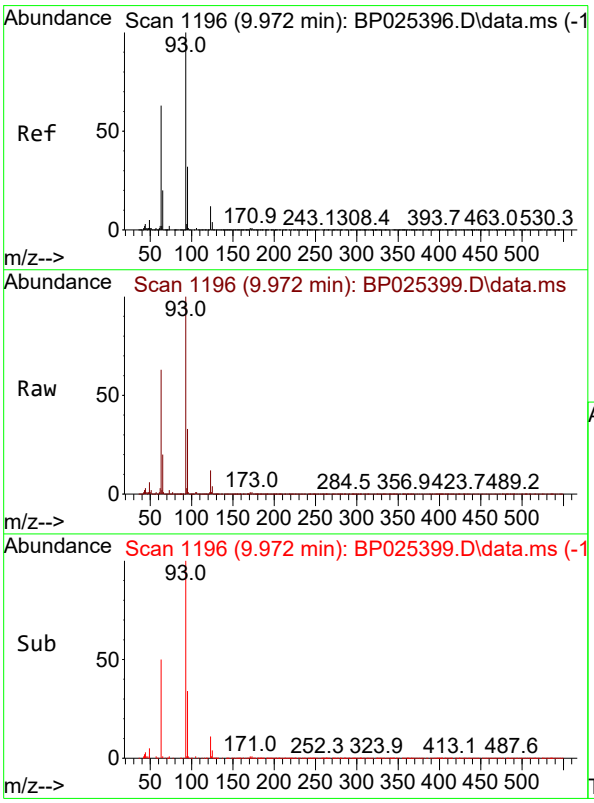
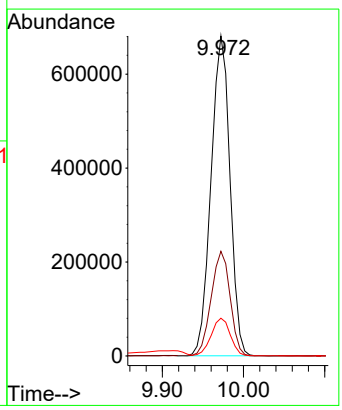
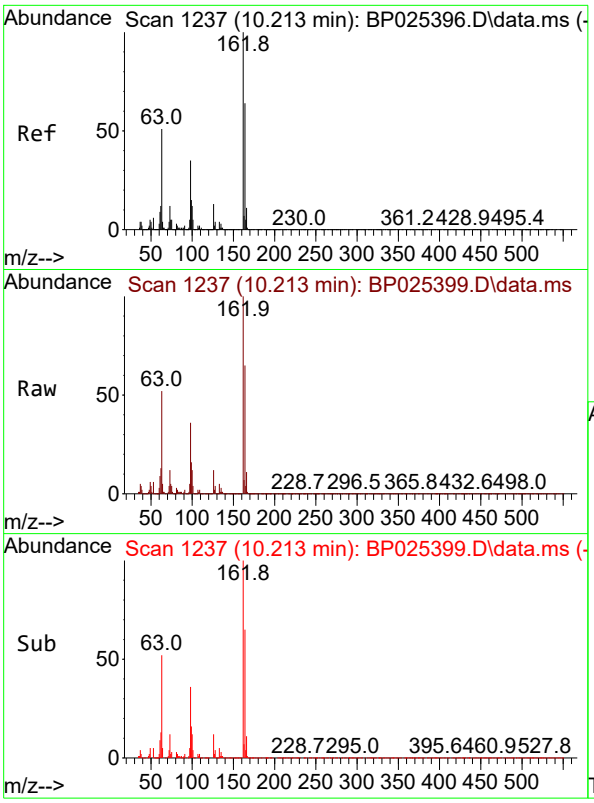


#28
bis(2-Chloroethoxy)methane
Concen: 77.542 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1103640

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.8	9.4	14.0

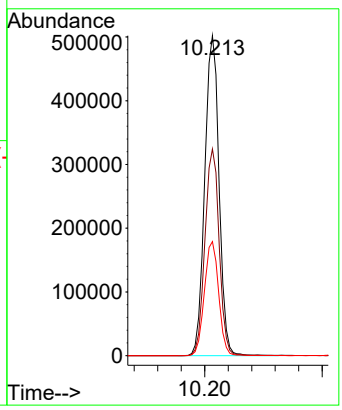




#29
2,4-Dichlorophenol
Concen: 81.037 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:162 Resp: 84478

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.4	84.4
98	35.6	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
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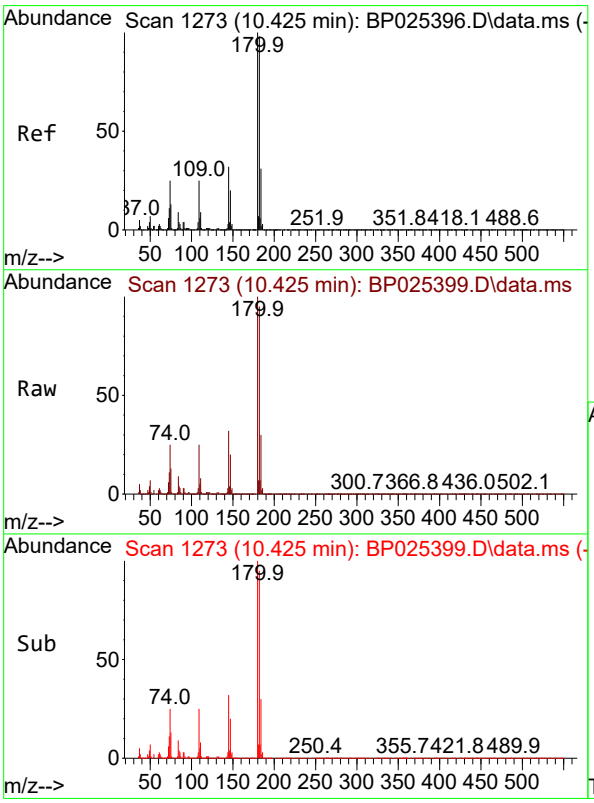
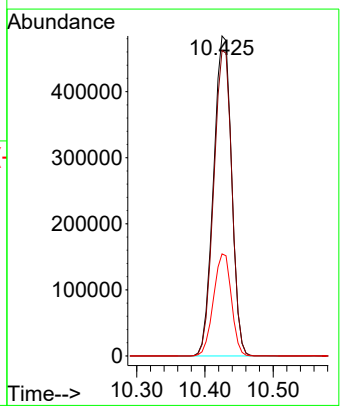
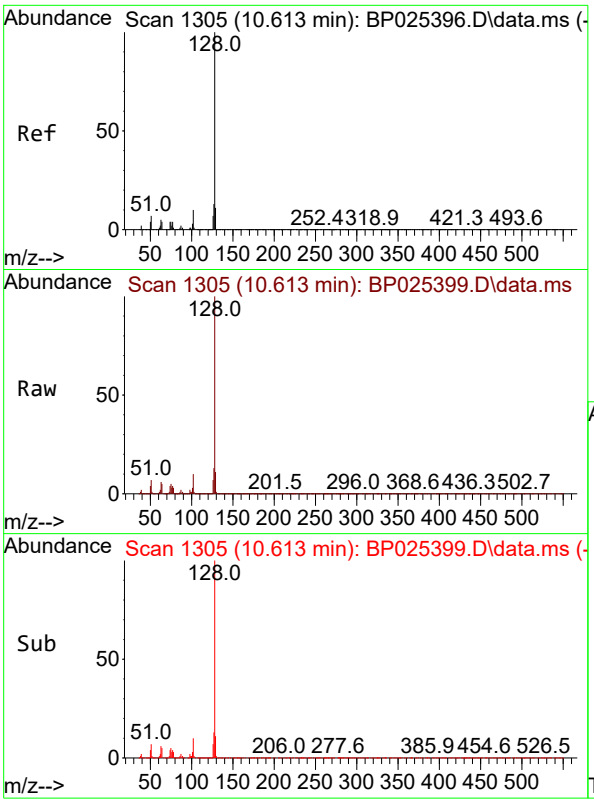


#30
1,2,4-Trichlorobenzene
Concen: 78.123 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:180 Resp: 892771

Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.0	117.0
145	31.9	25.9	38.9





#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 272270

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.7	16.1

Instrument :
BNA_P
ClientSampleId :
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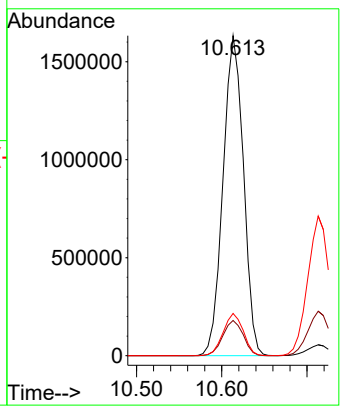
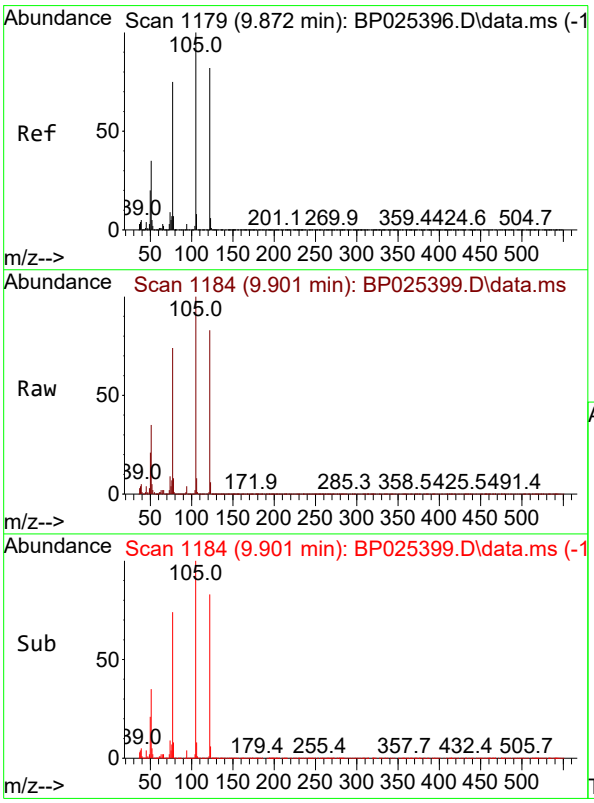
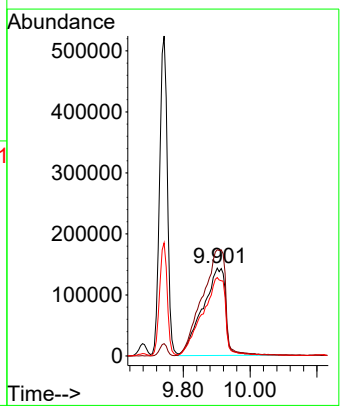


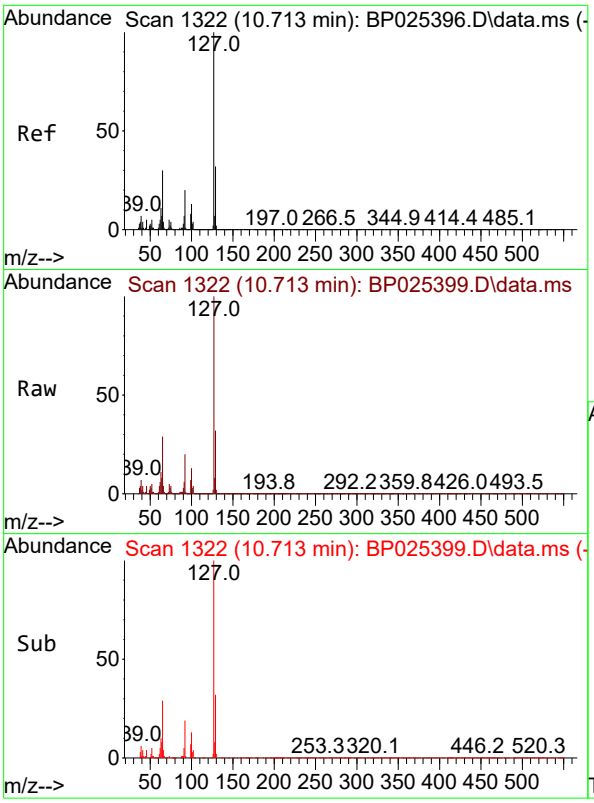


#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 686791

Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.6	140.6
77	89.3	71.5	111.5

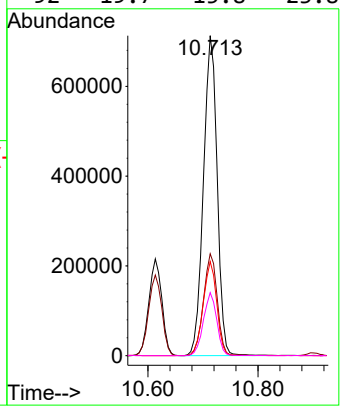




#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:127 Resp: 123243

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8



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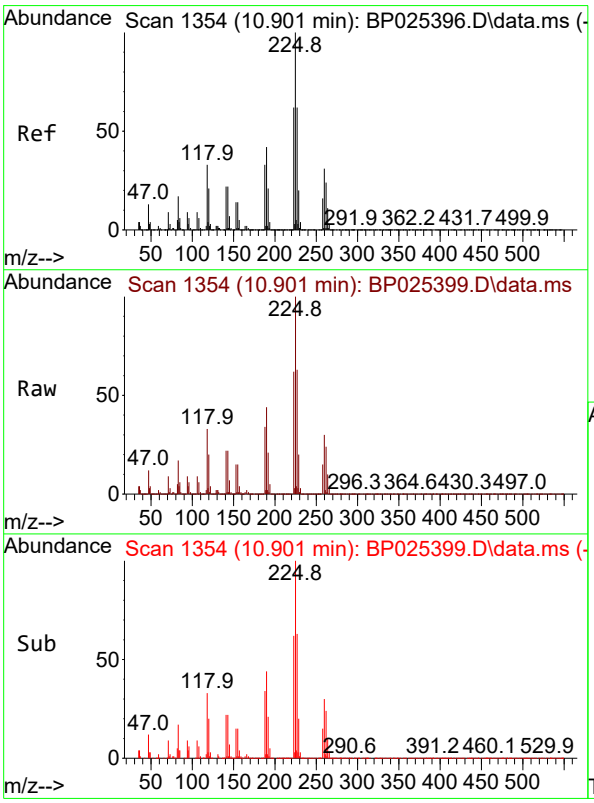
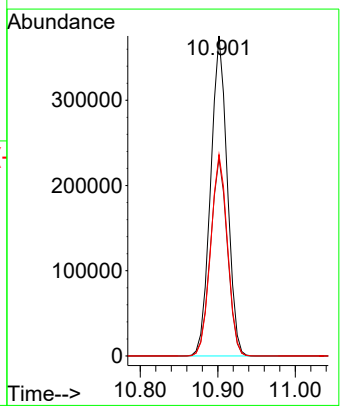
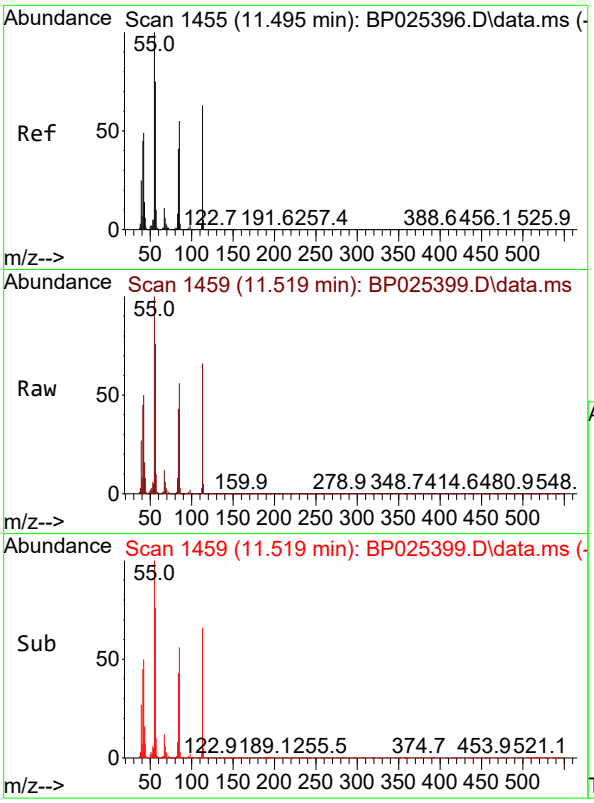


#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:225 Resp: 557922

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5

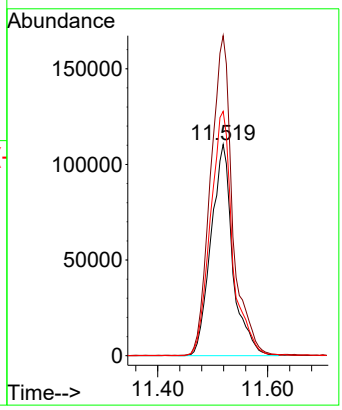




#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 14
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:113 Resp: 30287

Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	115.6	100.0	140.0



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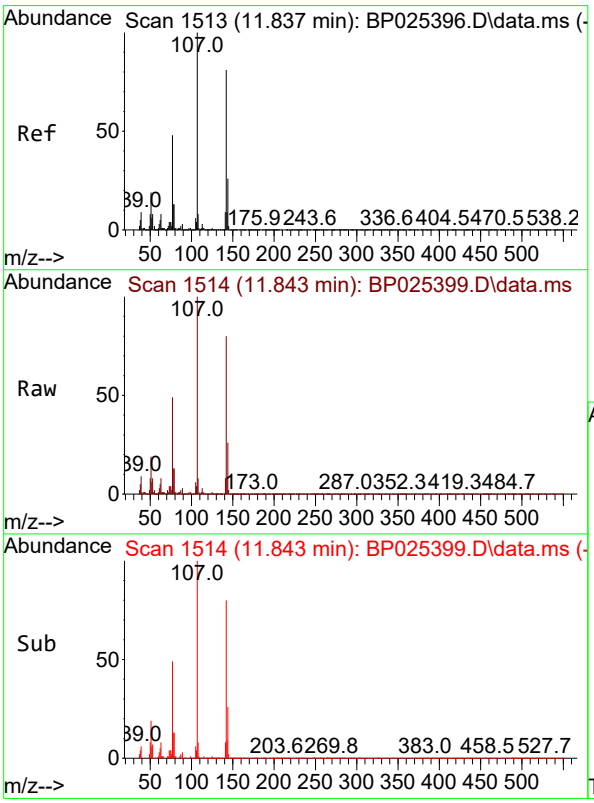
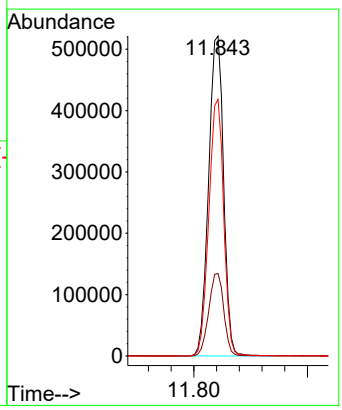
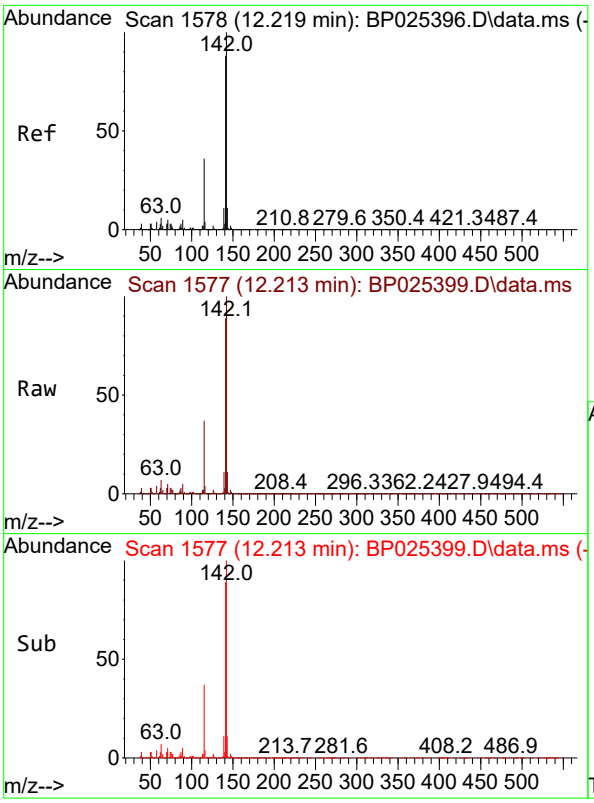


#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 949779

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.0	31.4
142	80.2	64.6	97.0

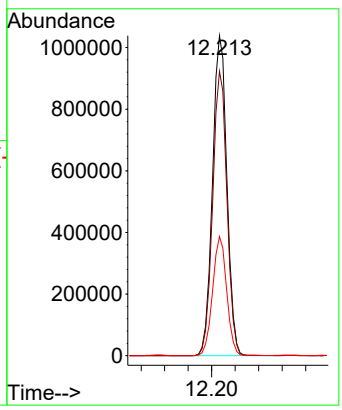




#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 176132

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	37.2	28.9	43.3



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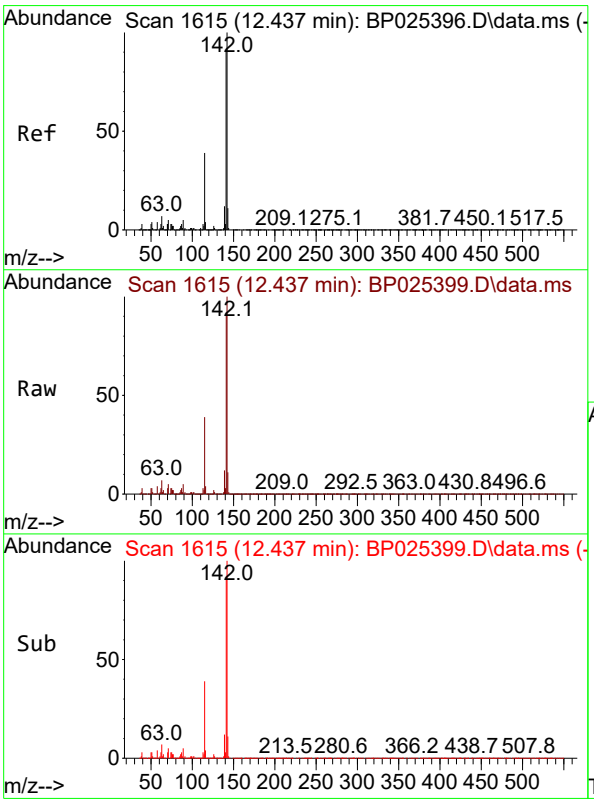
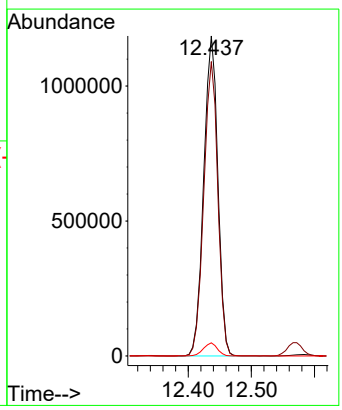
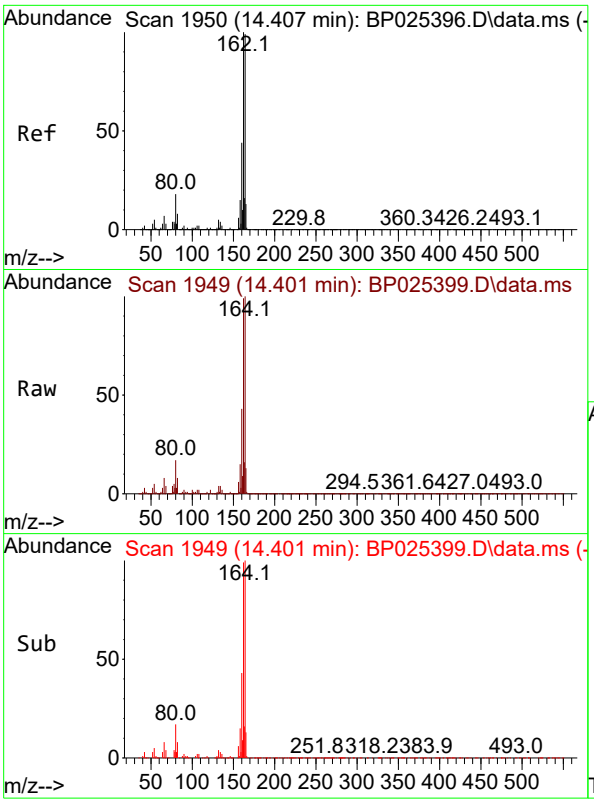


#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 1844376

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7
116	4.1	3.2	4.8

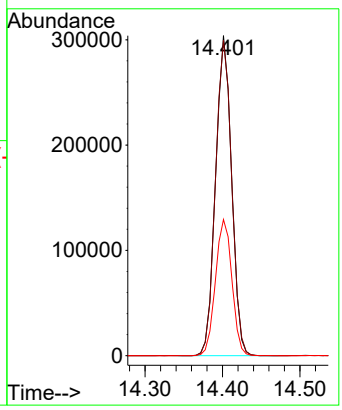




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:164 Resp: 43604

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.0	121.6
160	42.6	35.4	53.2



Instrument :
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ClientSampleId :
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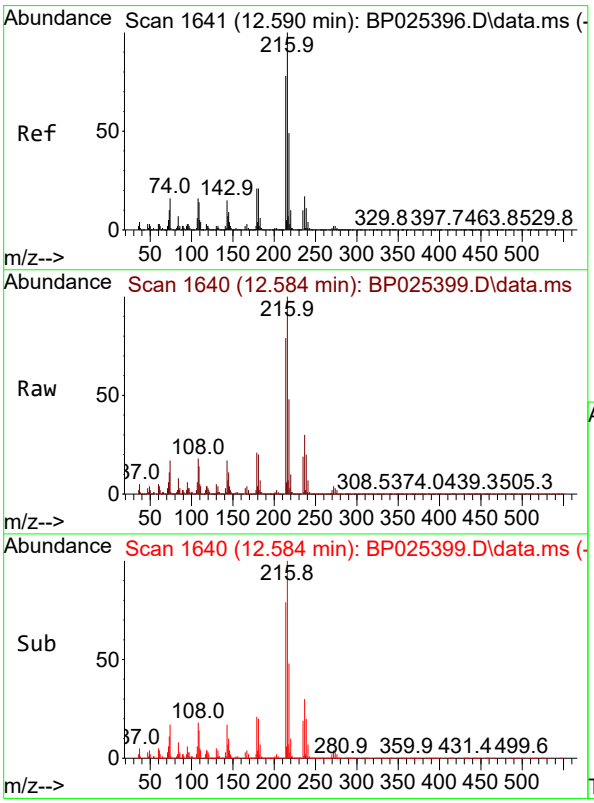
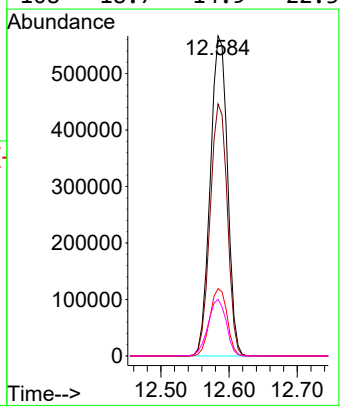
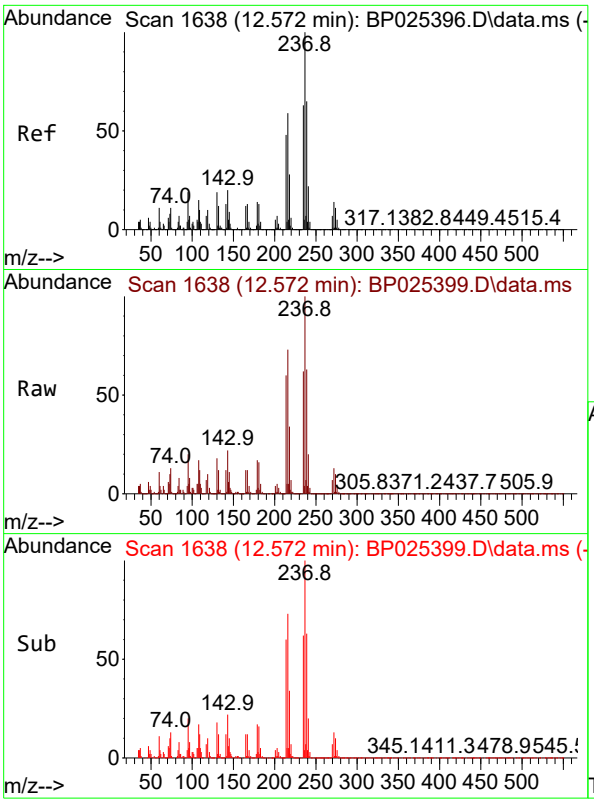


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.2	17.1	25.7
108	18.7	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:237 Resp: 66877

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	12.7	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
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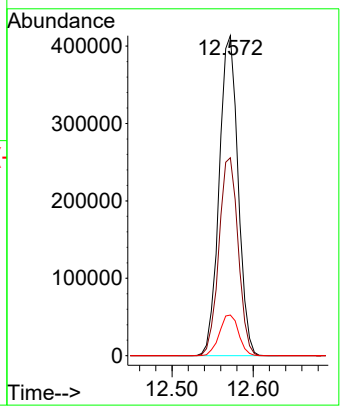
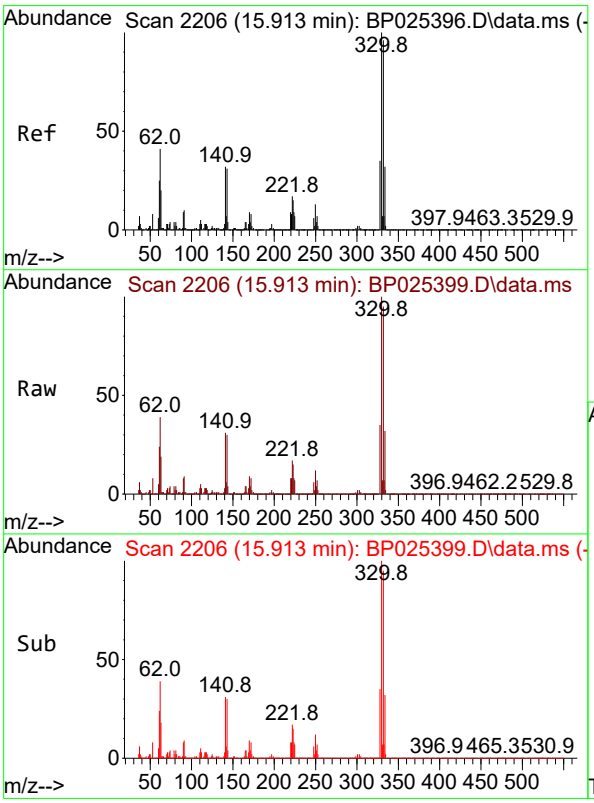
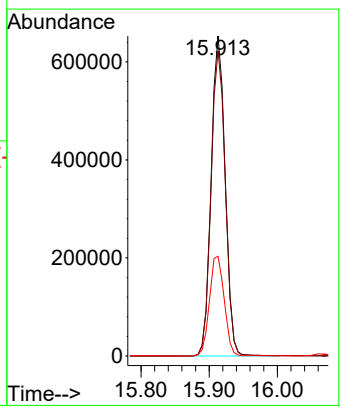


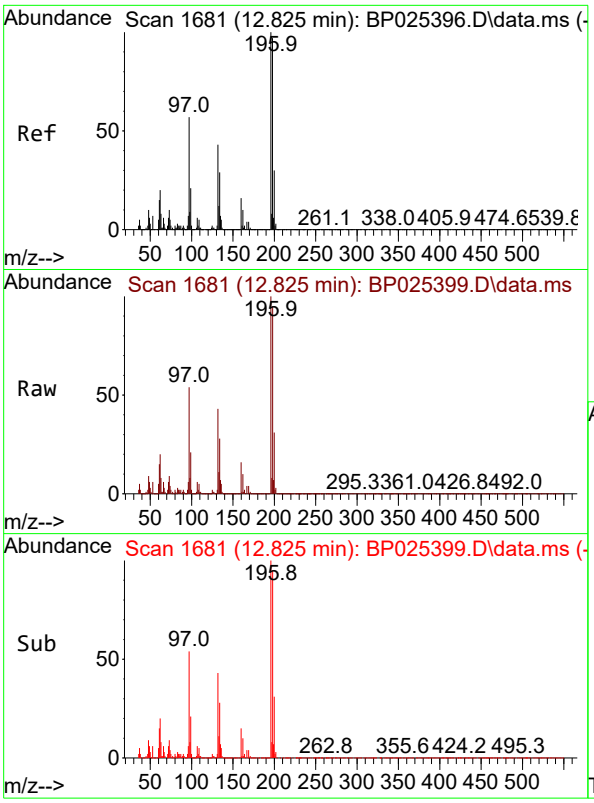


#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:330 Resp: 936489

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	32.8	26.6	39.8

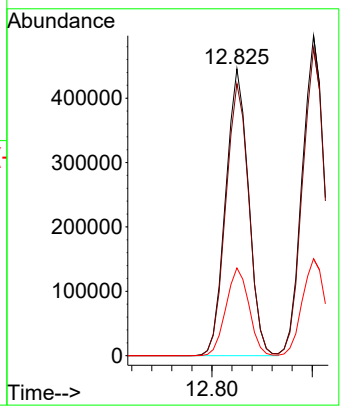




#43
2,4,6-Trichlorophenol
Concen: 83.096 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 70648

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	30.5	23.9	35.9



Instrument :
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ClientSampleId :
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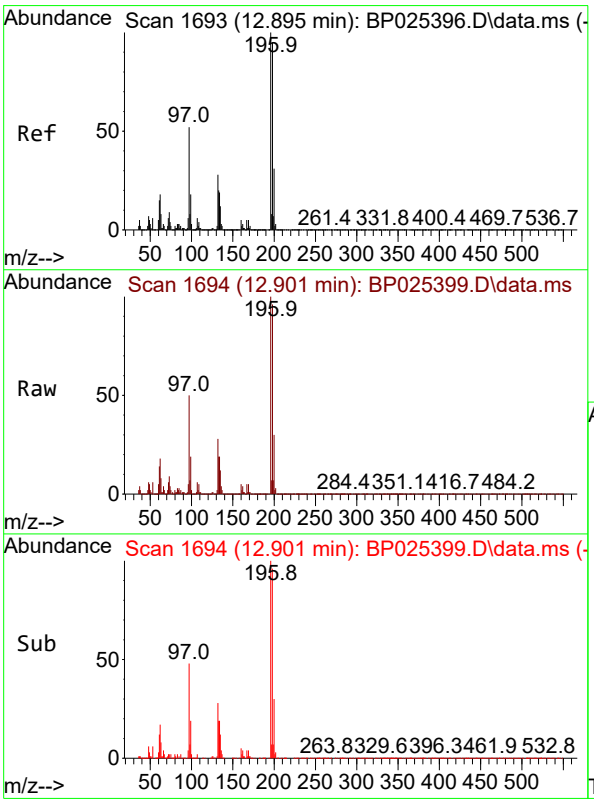
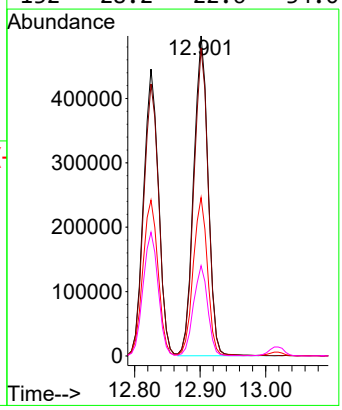
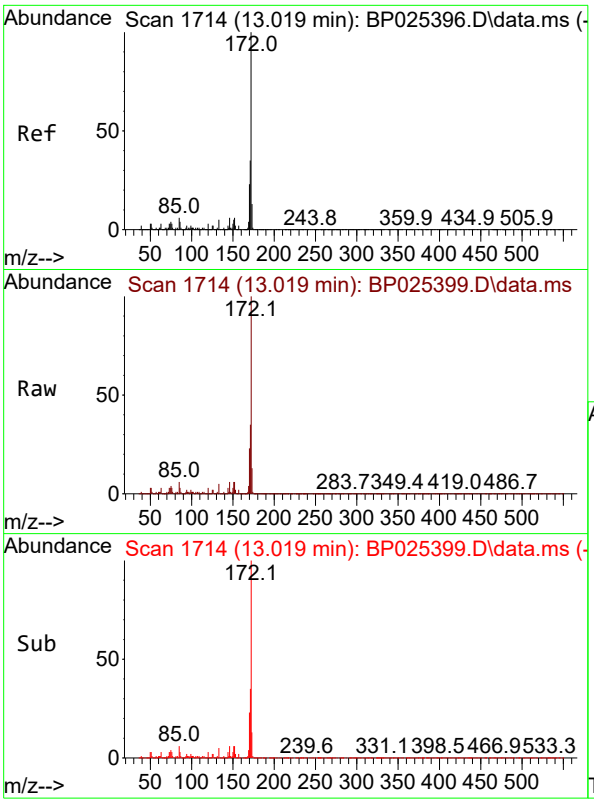


#44
2,4,5-Trichlorophenol
Concen: 81.870 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 762861

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.2
97	49.5	41.2	61.8
132	28.2	22.6	34.0

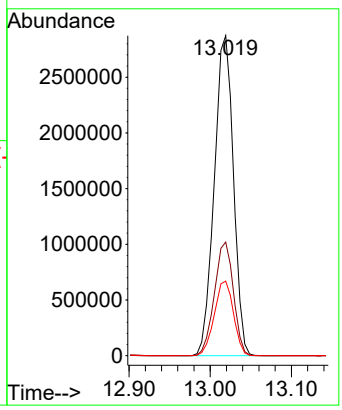




#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:172 Resp: 471259

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.3	18.6	28.0



Instrument :
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ClientSampleId :
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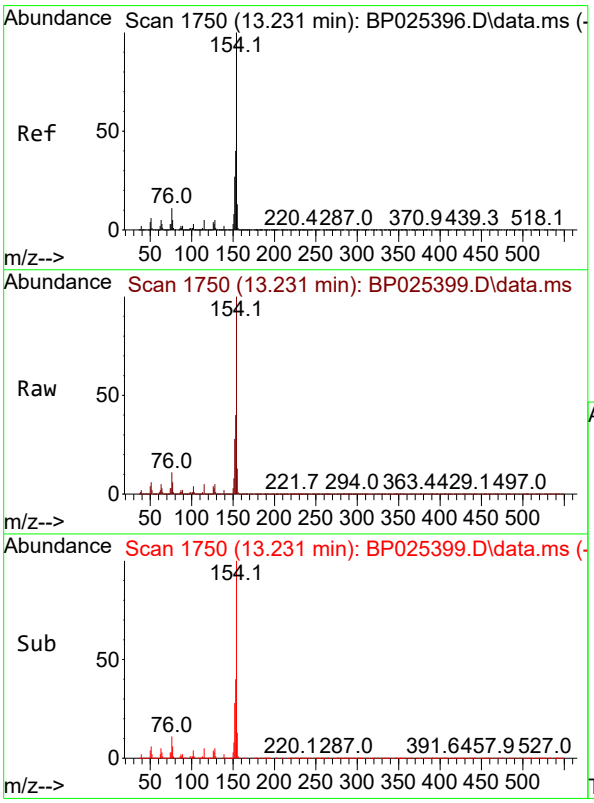
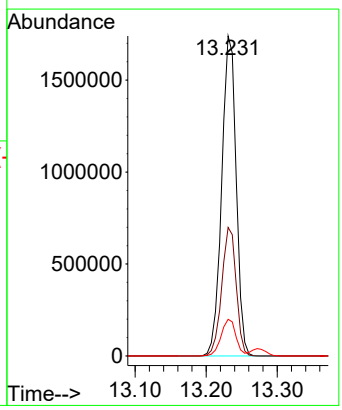
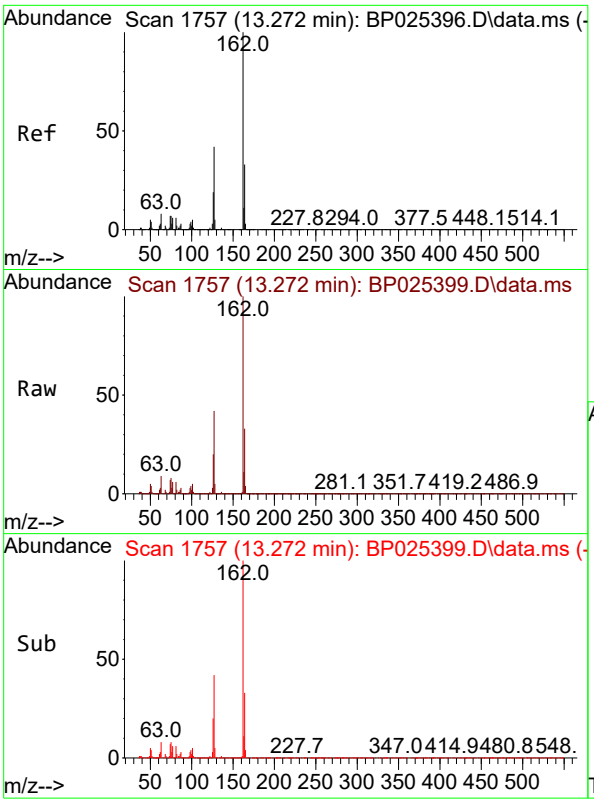


#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 2453536

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.5	0.0	31.1

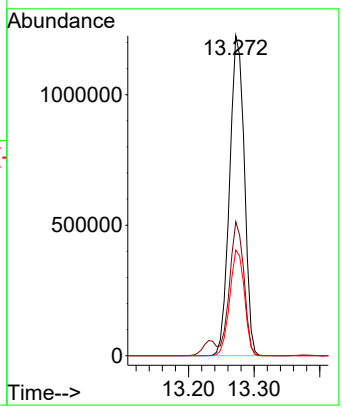




#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:162 Resp: 191812

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.4	50.2
164	33.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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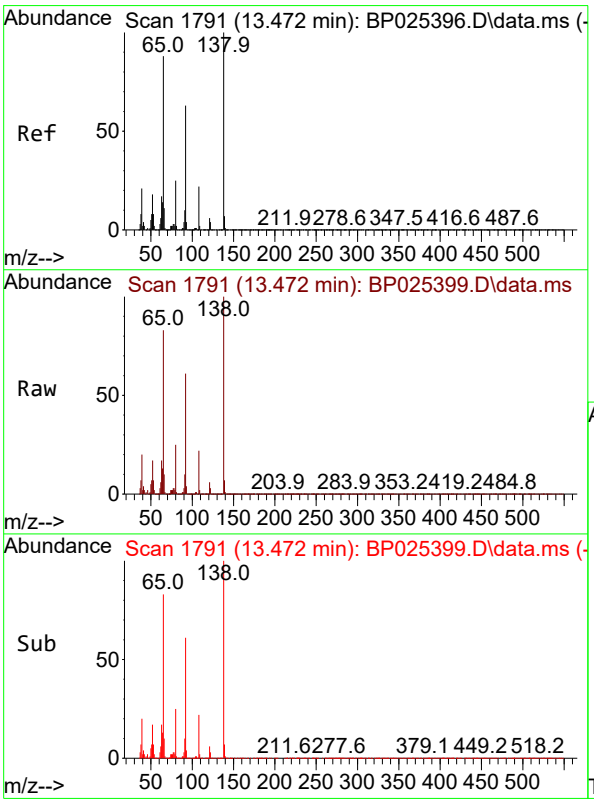
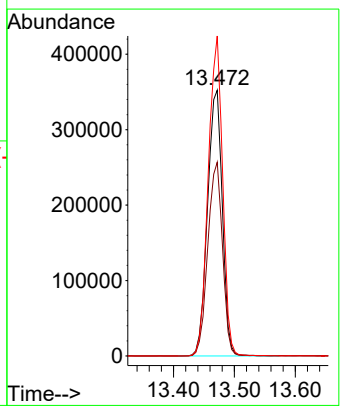
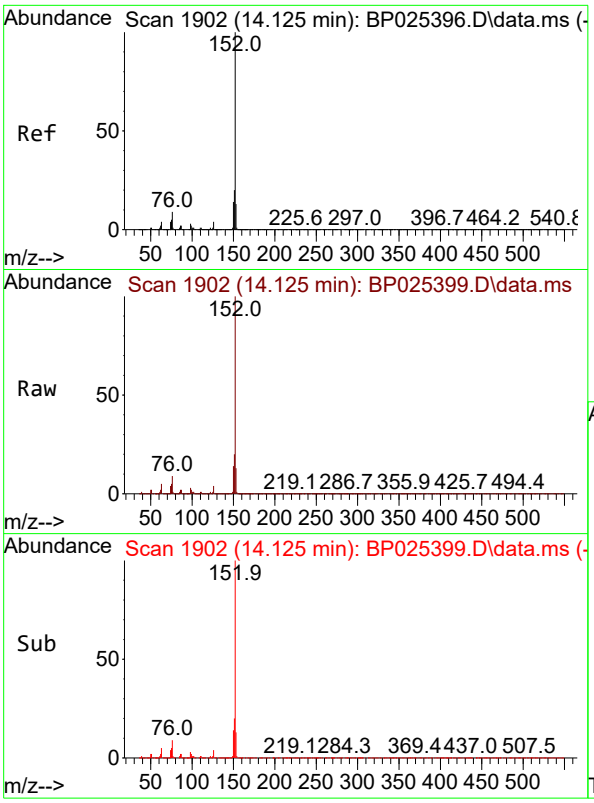


#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 65 Resp: 594696

Ion	Ratio	Lower	Upper
65	100		
92	72.9	57.6	86.4
138	120.4	91.0	136.6

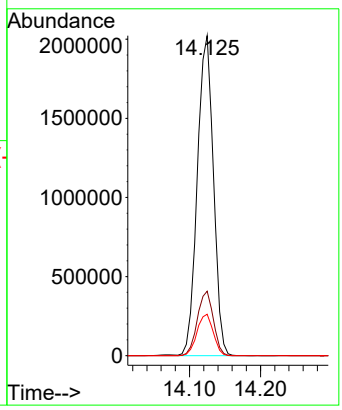




#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:152 Resp: 319491

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.0	10.6	15.8



Instrument :
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ClientSampleId :
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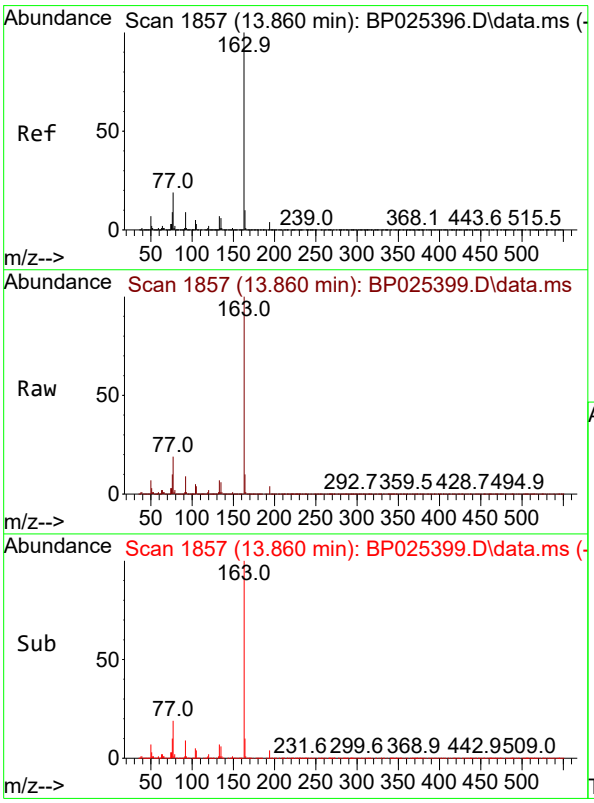
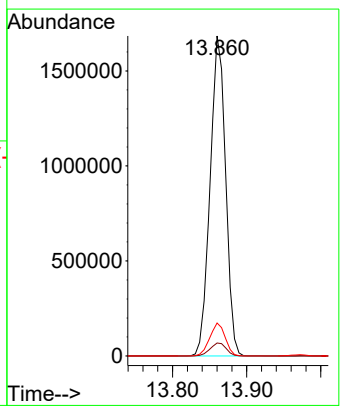
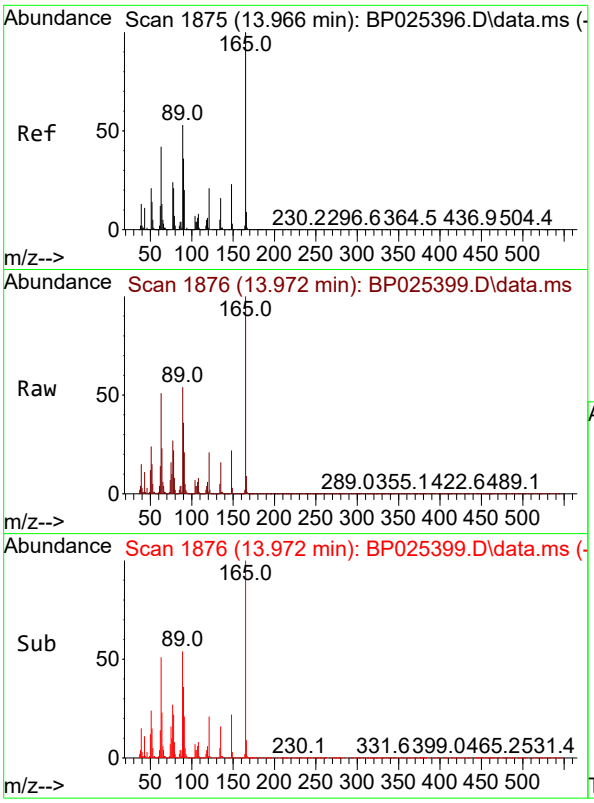


#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:163 Resp: 2446951

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	7.9	11.9

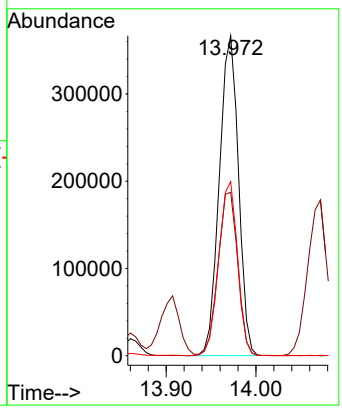




#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:165 Resp: 54271

Ion	Ratio	Lower	Upper
165	100		
63	51.0	40.9	61.3
89	54.4	42.1	63.1



Instrument :
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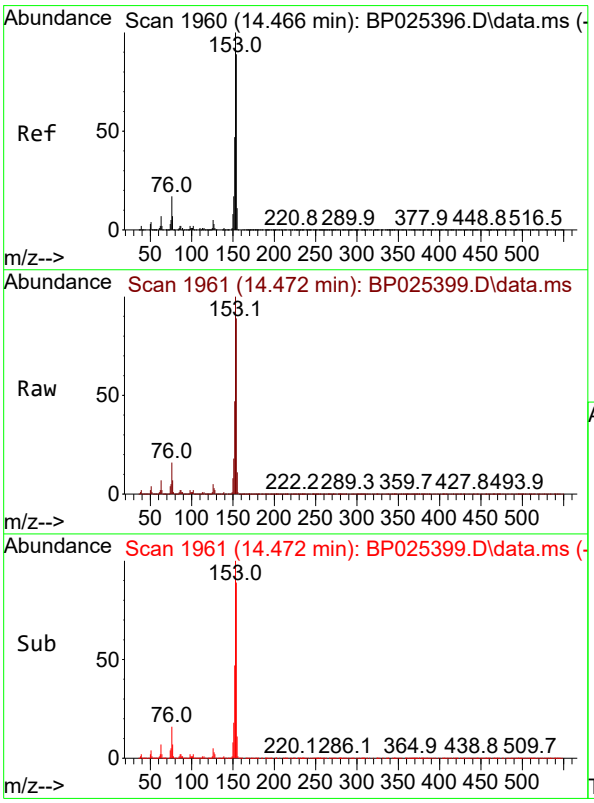
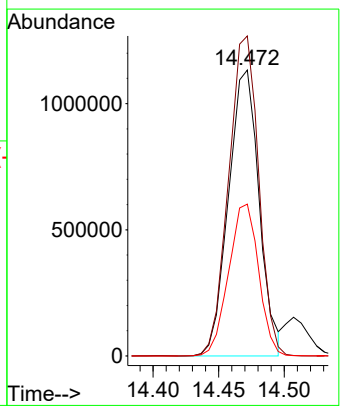
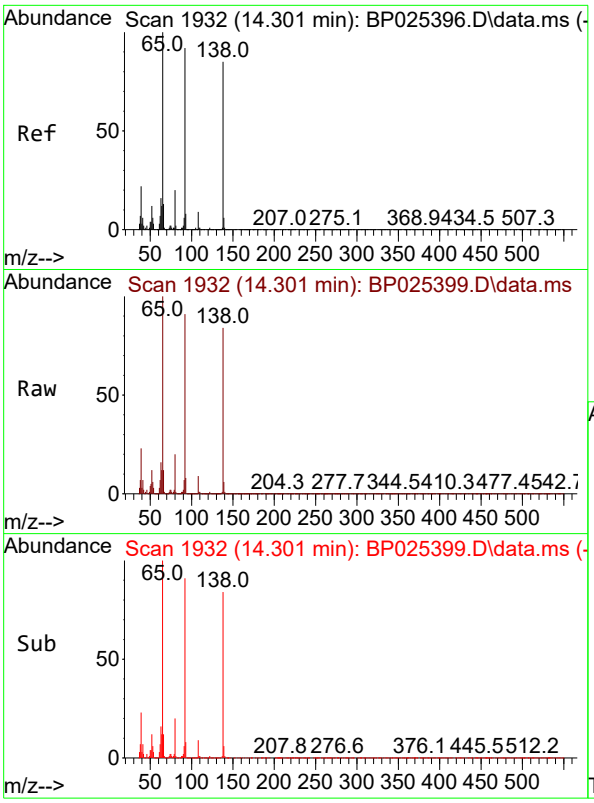


#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 1841448

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.1	42.1	63.1

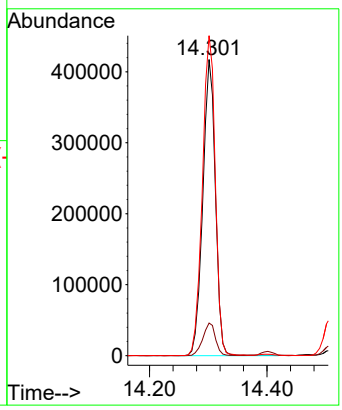




#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 61808

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	108.1	86.2	129.2



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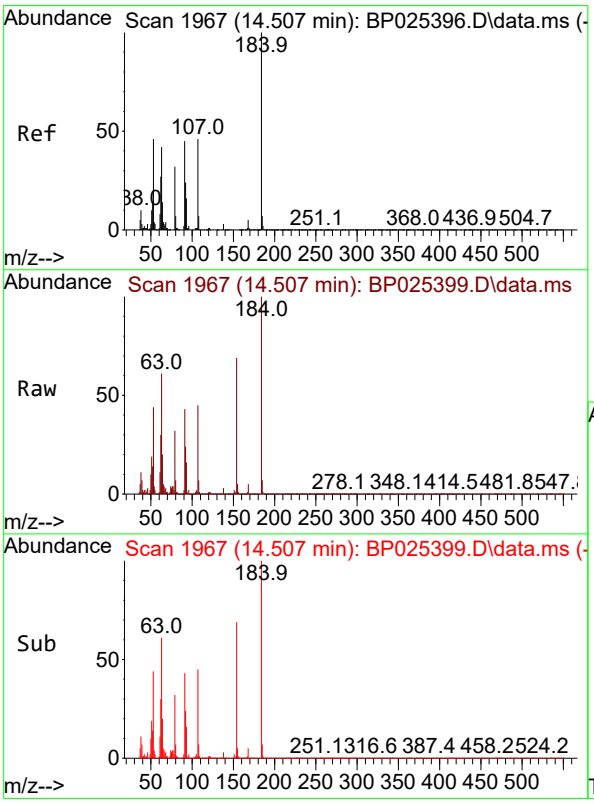
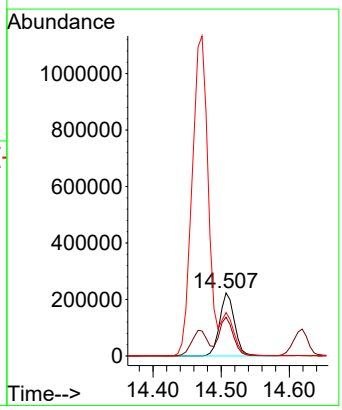
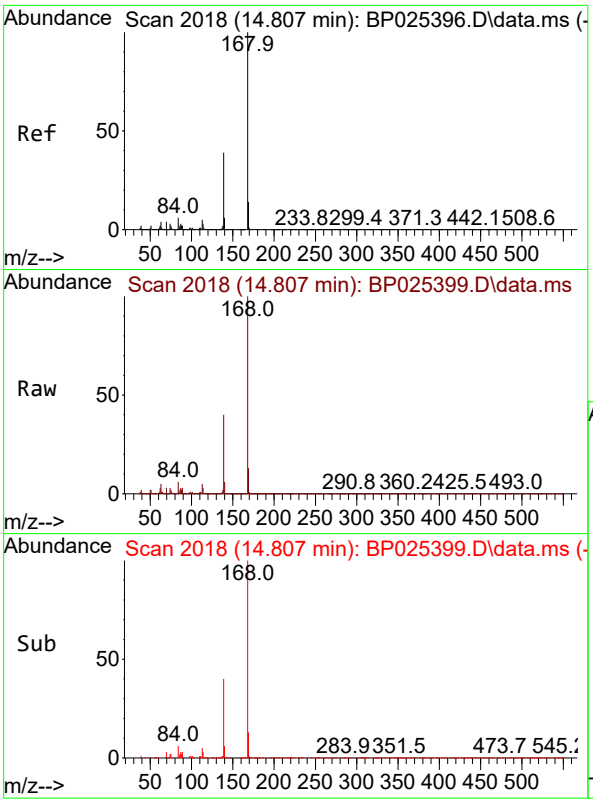


#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125

Ion	Ratio	Lower	Upper
184	100		
63	61.4	49.4	74.2
154	68.6	54.6	82.0

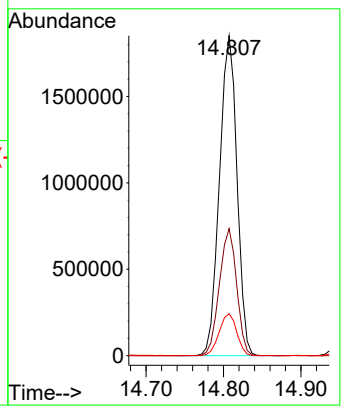




#55
Dibenzofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:168 Resp: 291593

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.5	47.3
169	13.1	10.9	16.3



Instrument :
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ClientSampleId :
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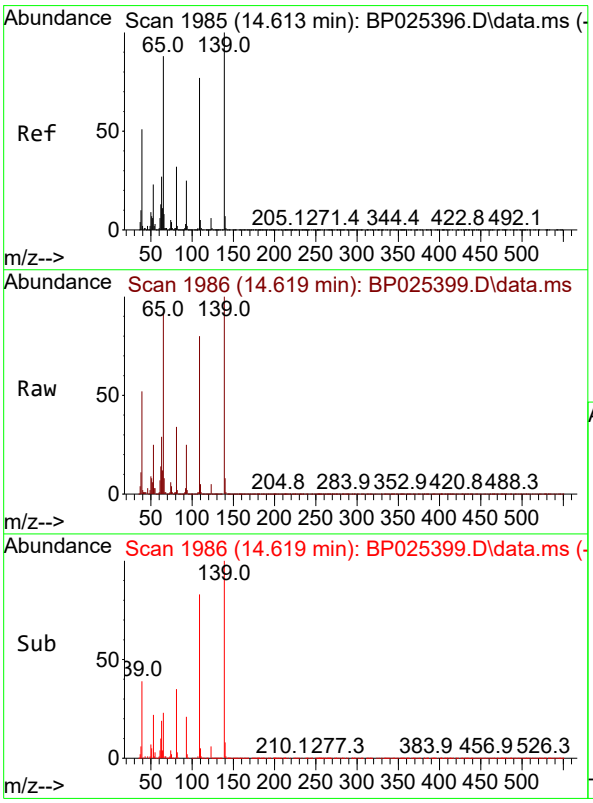
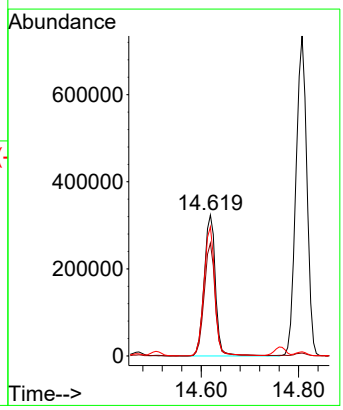
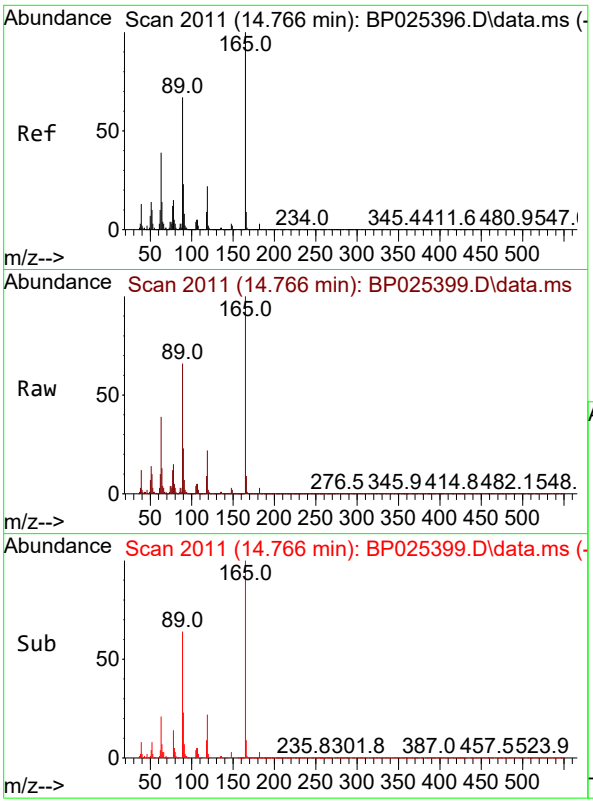


#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 520294

Ion	Ratio	Lower	Upper
139	100		
109	80.0	56.6	96.6
65	91.5	68.2	108.2

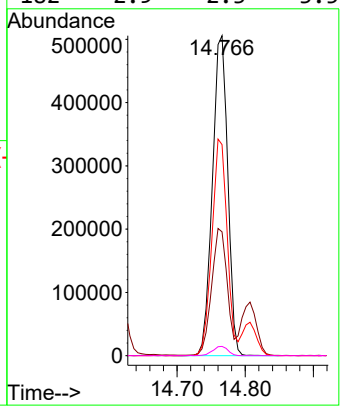




#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:165 Resp: 79121

Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.4	47.2
89	66.0	53.3	79.9
182	2.9	2.3	3.5



Instrument :
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ClientSampleId :
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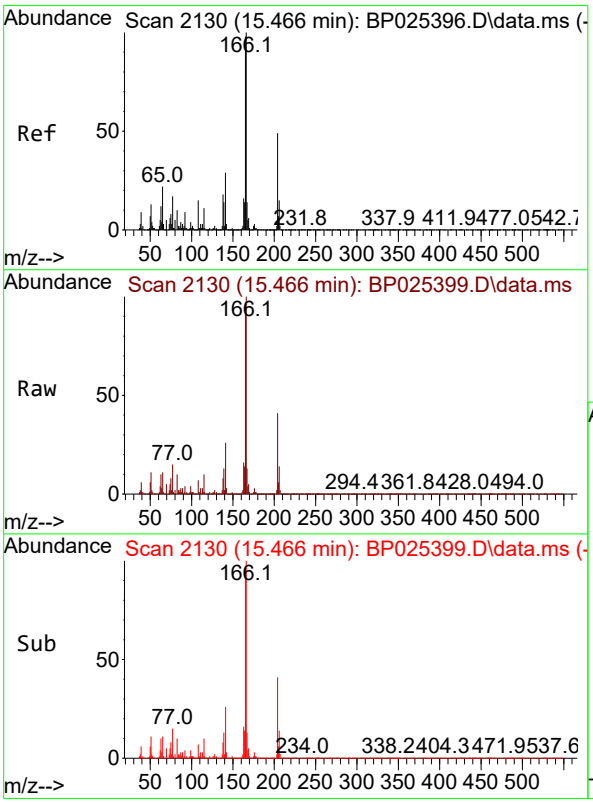
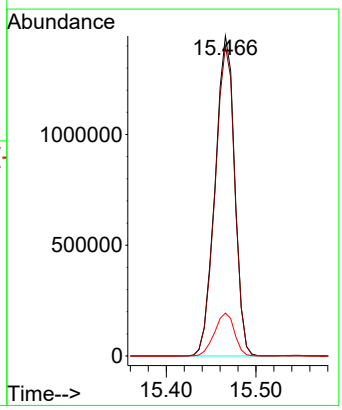
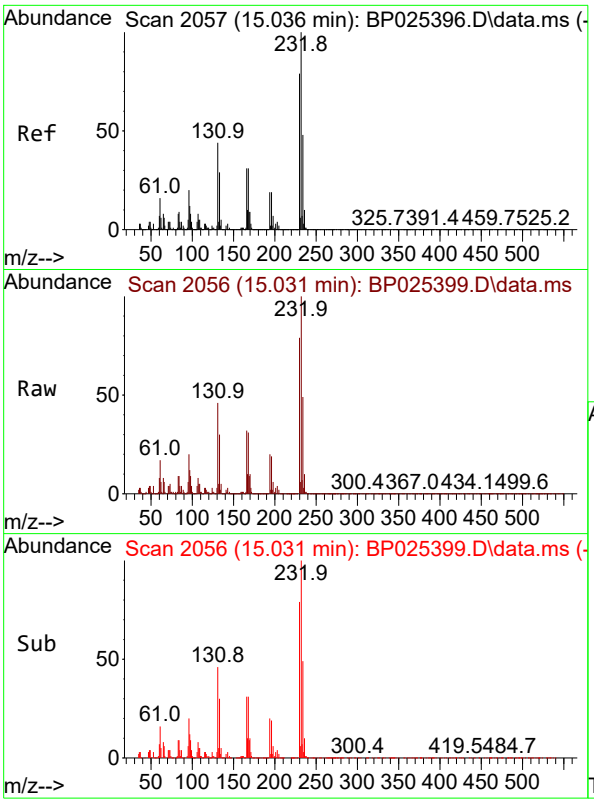


#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:166 Resp: 2185593

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.4	11.0	16.4

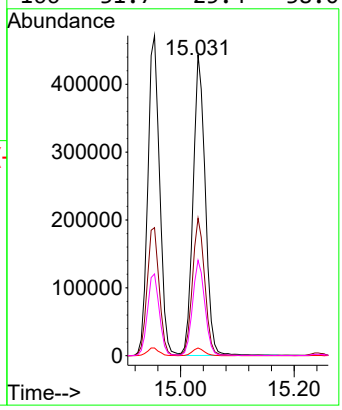




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:232 Resp: 66189

Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.0	55.6
130	2.5	1.9	2.9
166	31.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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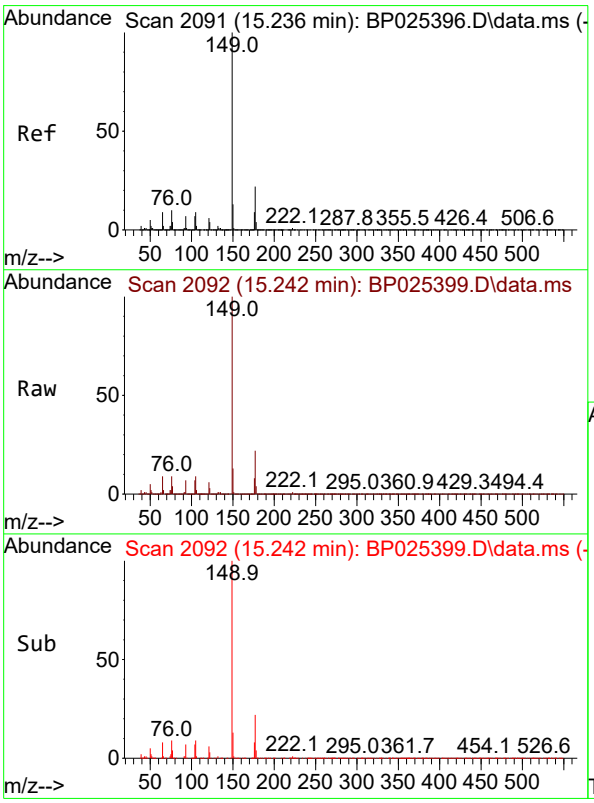
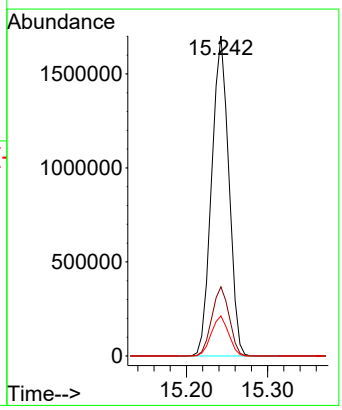
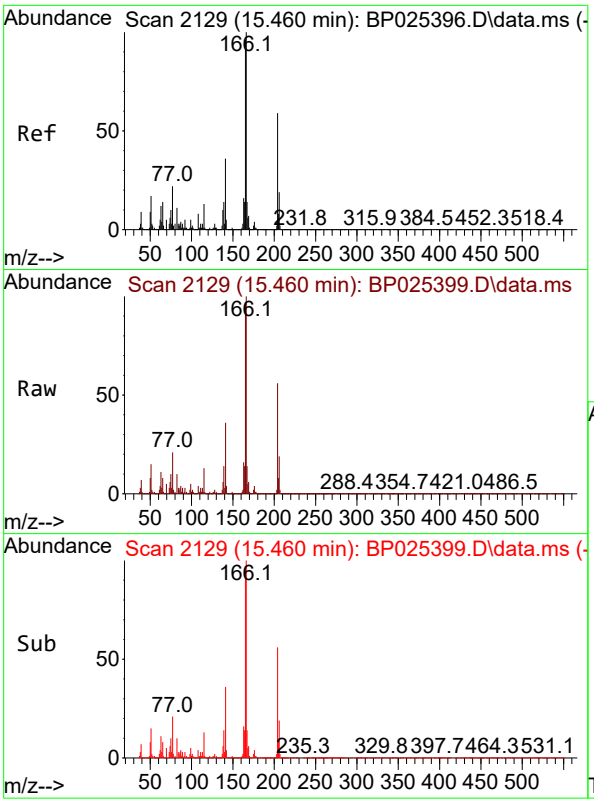


#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2494087

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5

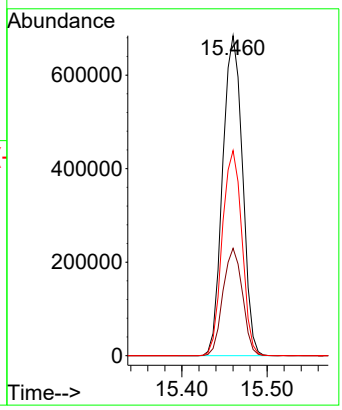




#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:204 Resp: 110515

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	64.1	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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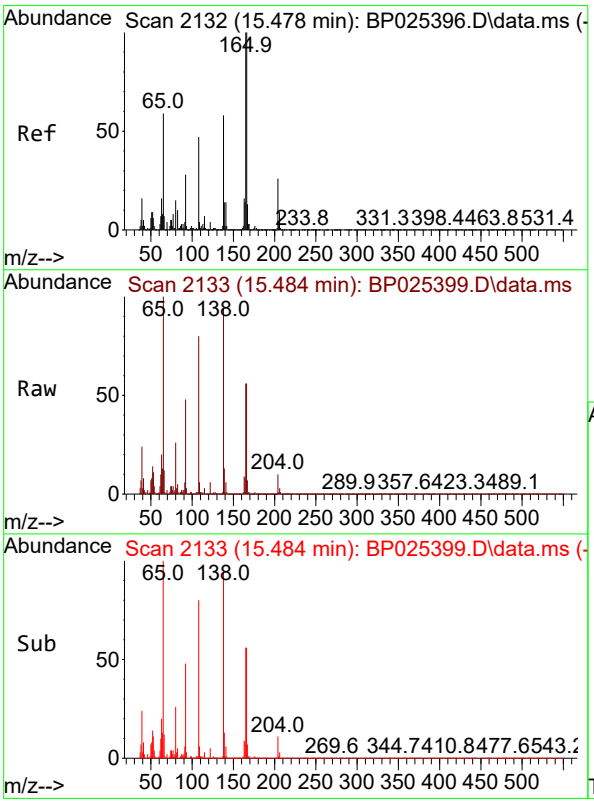
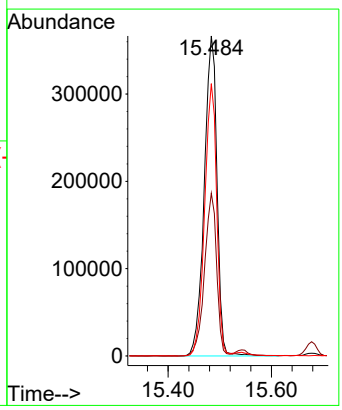
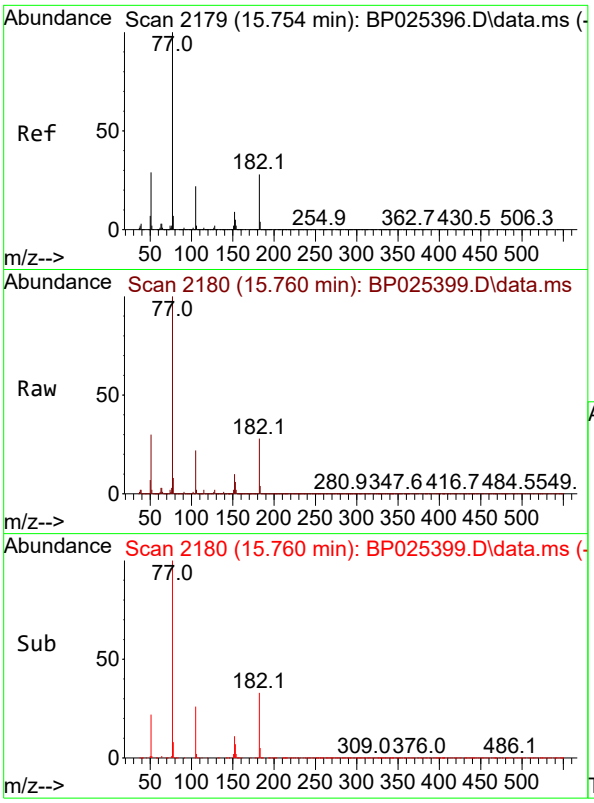


#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 626525

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.1	69.1
108	85.1	61.5	101.5

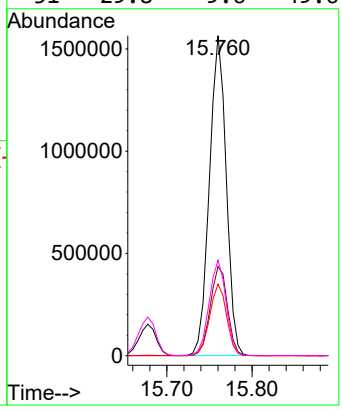




#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 213967

Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	22.3	2.1	42.1
51	29.8	9.6	49.6



Instrument :
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ClientSampleId :
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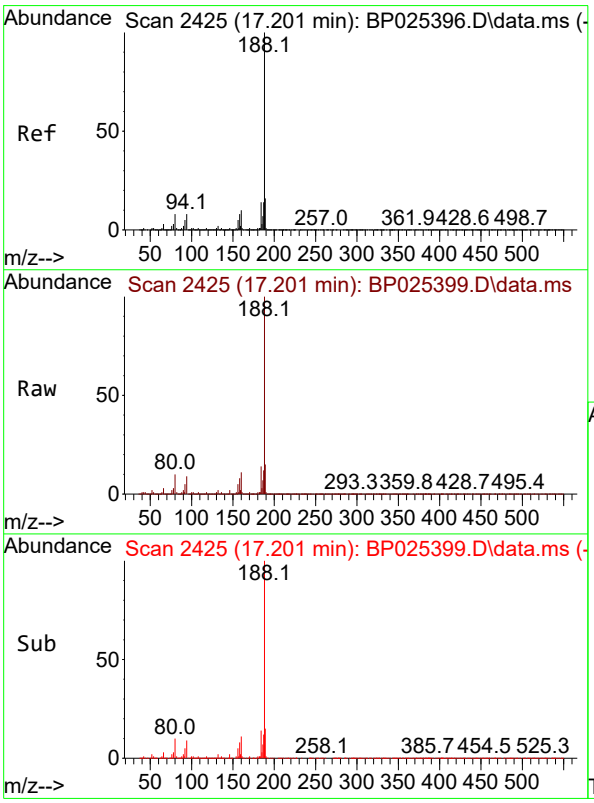
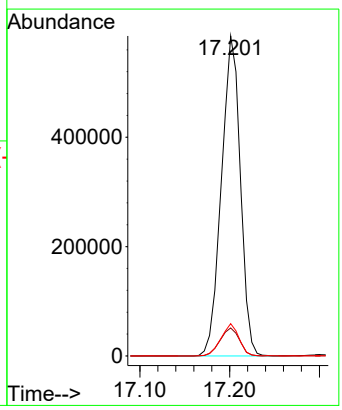
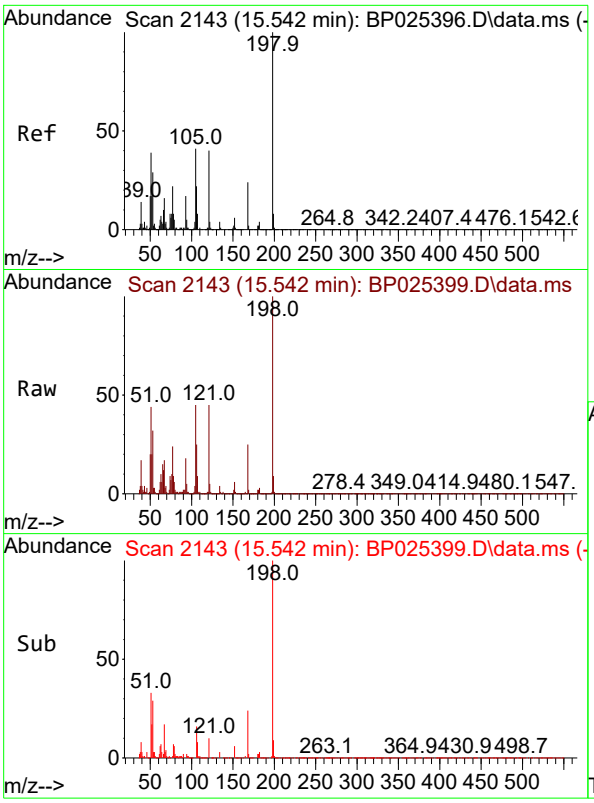


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:188 Resp: 856946

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	10.1	6.7	10.1#

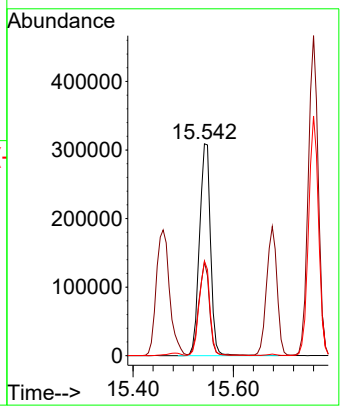




#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:198 Resp: 47260

Ion	Ratio	Lower	Upper
198	100		
51	44.3	19.6	59.6
105	44.6	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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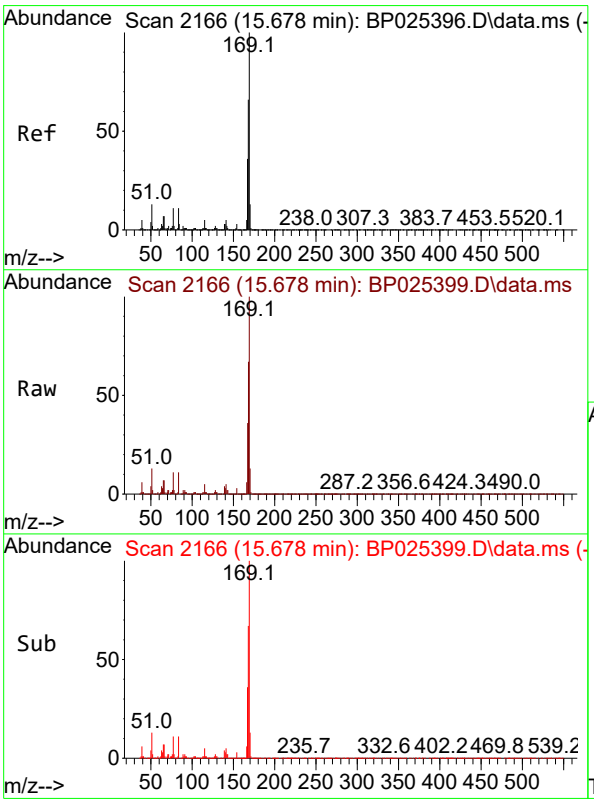
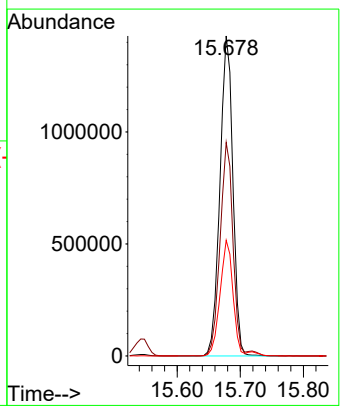
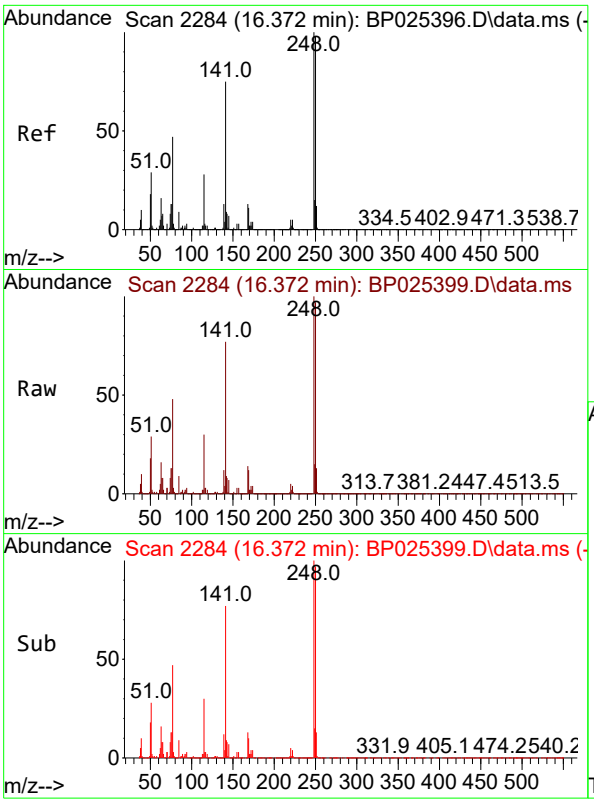


#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.2	28.7	43.1

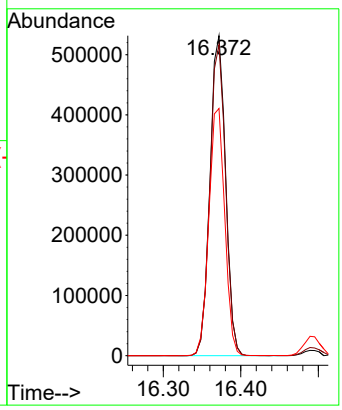




#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:248 Resp: 74591

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.2
141	77.2	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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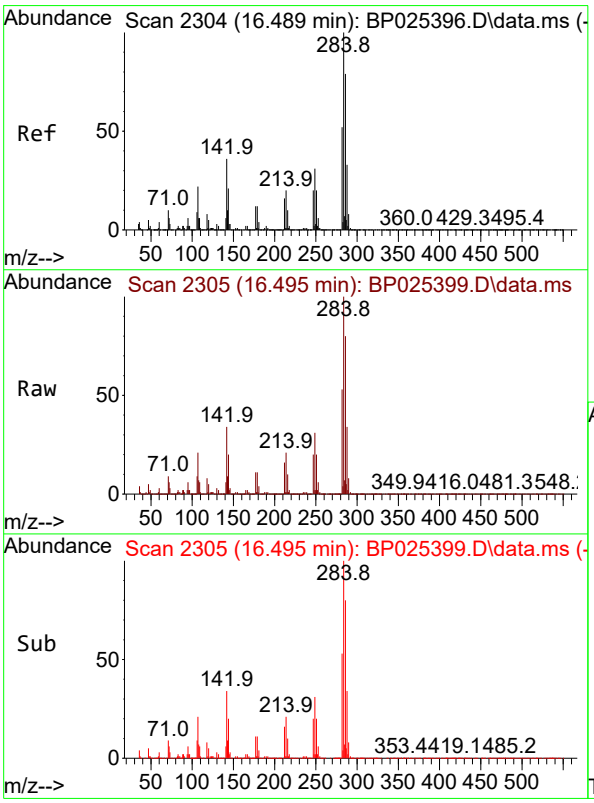
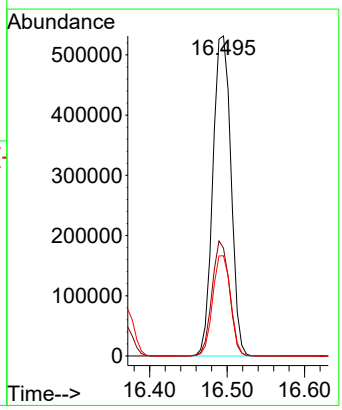
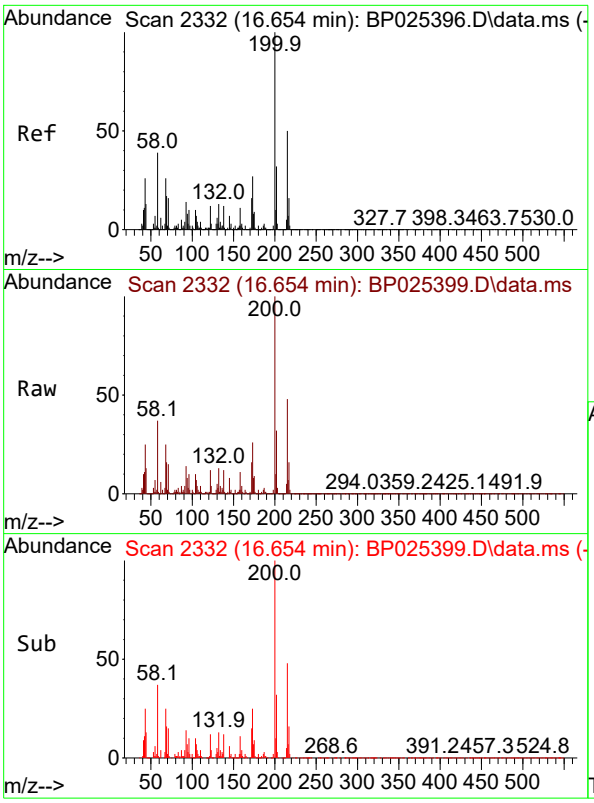


#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:284 Resp: 860051

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4

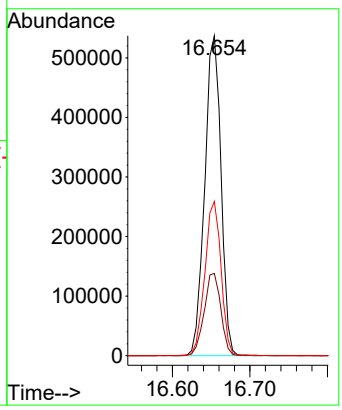




#69
Atrazine
Concen: 80.064 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:200 Resp: 78353

Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.7	46.7
215	48.2	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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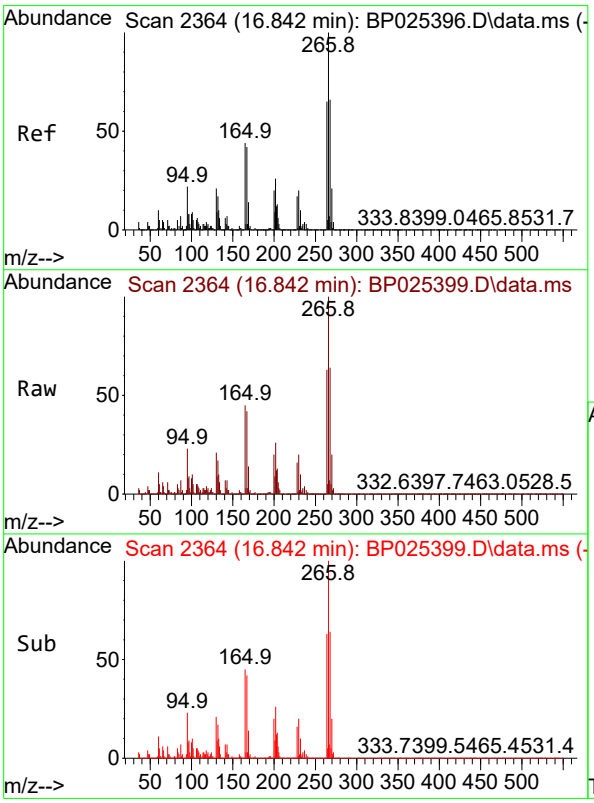
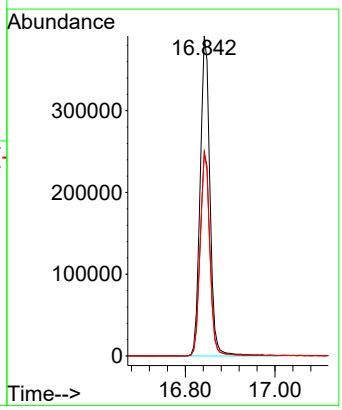
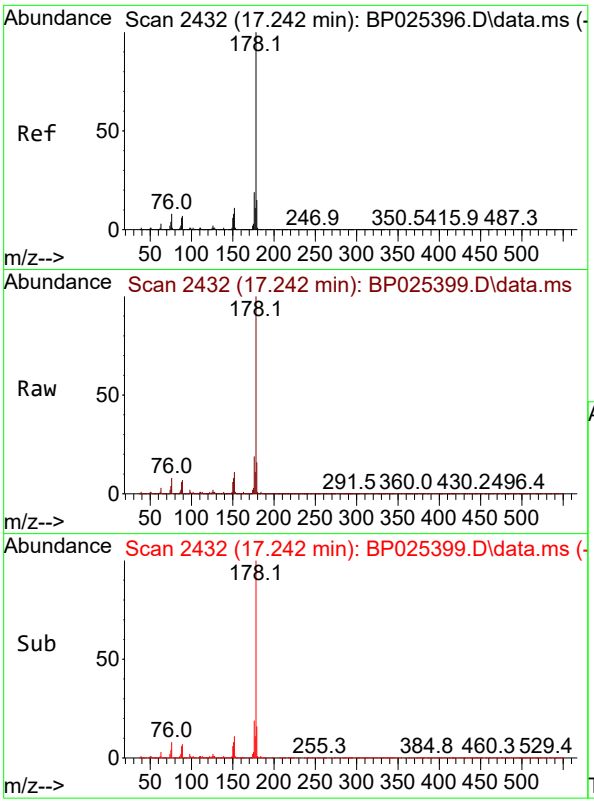


#70
Pentachlorophenol
Concen: 85.502 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:266 Resp: 589673

Ion	Ratio	Lower	Upper
266	100		
268	63.8	52.6	79.0
264	63.4	52.0	78.0





#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 362345

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.7	12.2	18.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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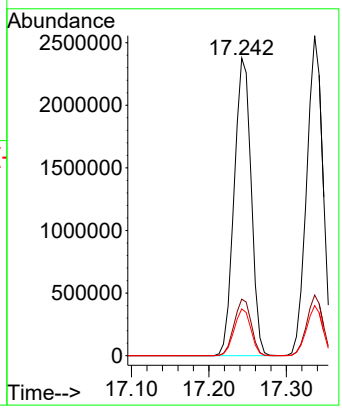
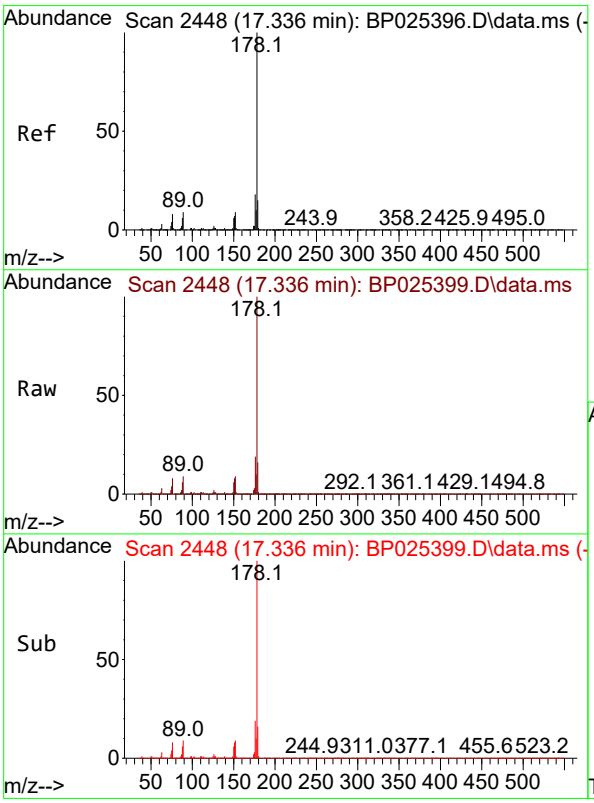
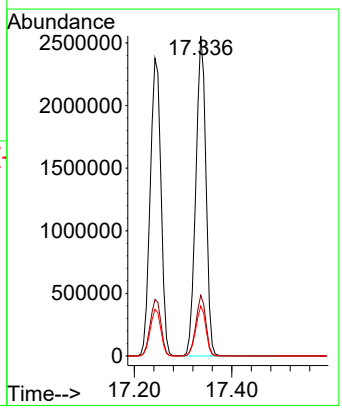


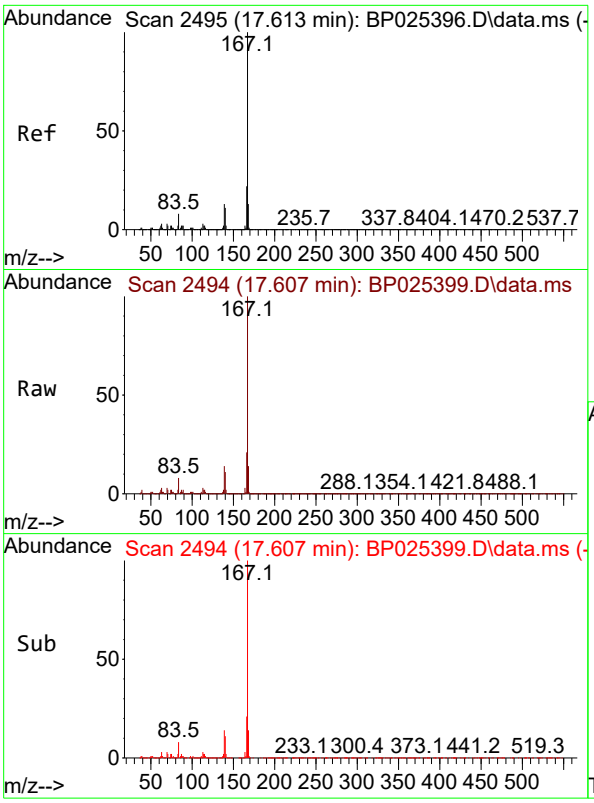


#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 3702277

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.2	18.2





#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:167 Resp: 350327

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.7	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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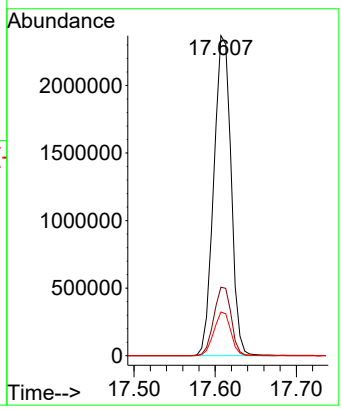
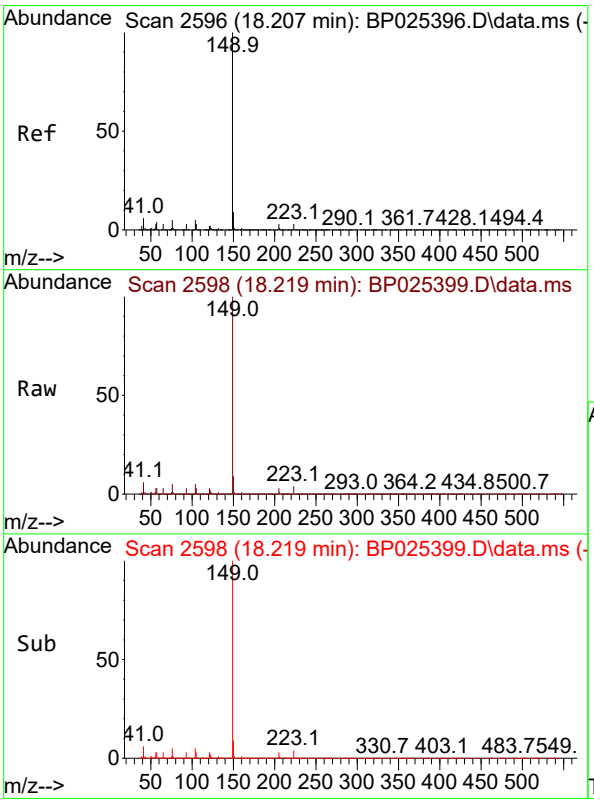
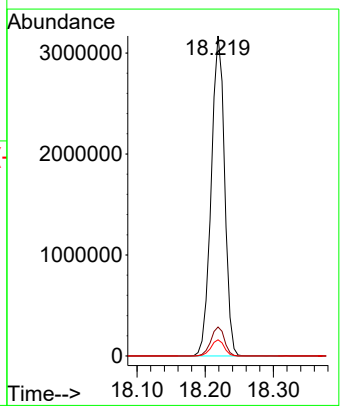


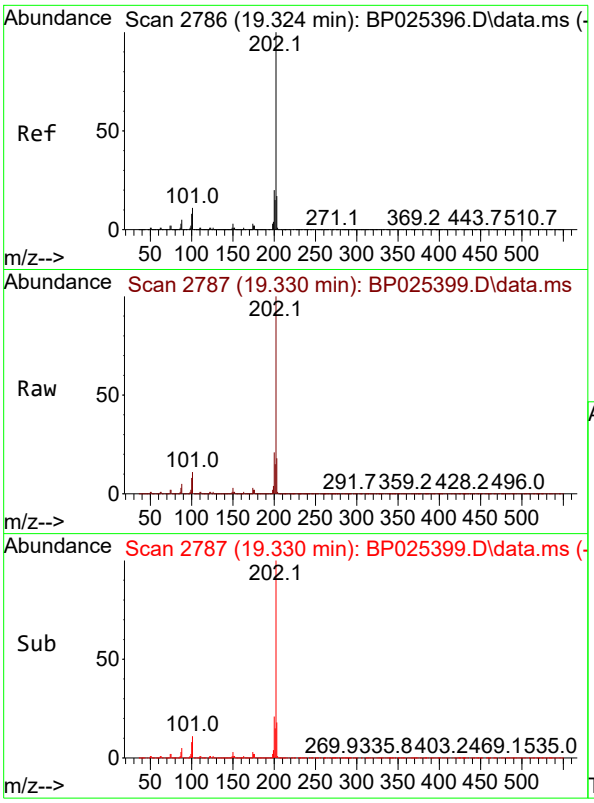


#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 4336701

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2

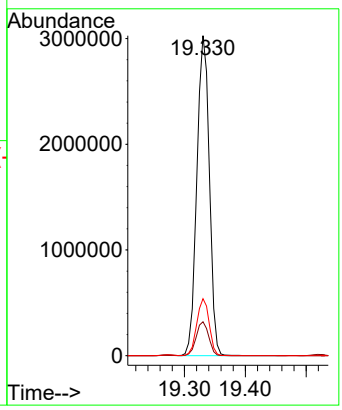




#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 431330

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.8	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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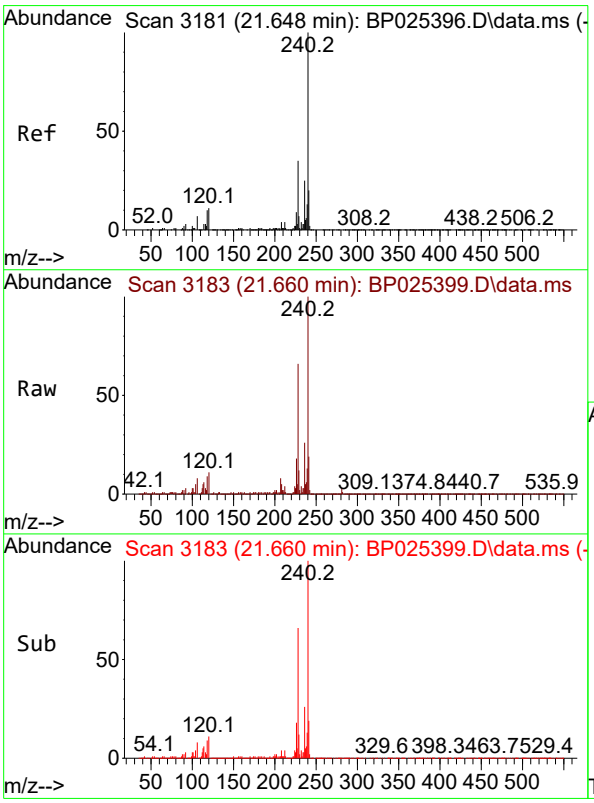
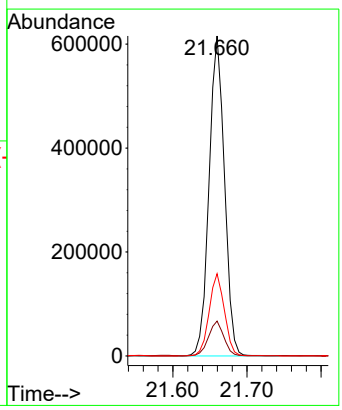
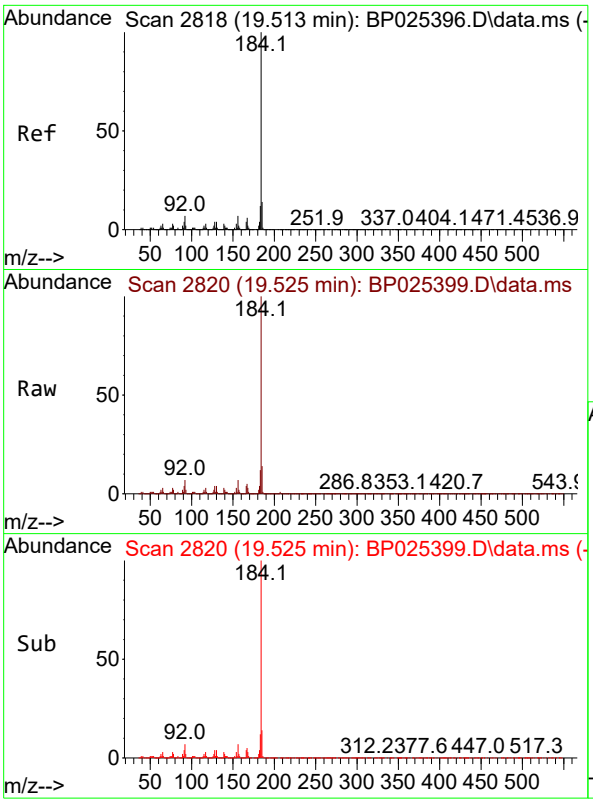


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:240 Resp: 888879

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.7	19.8	29.8

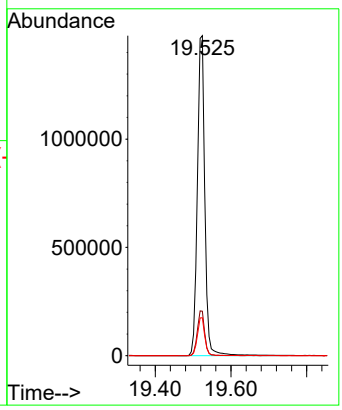




#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 203624

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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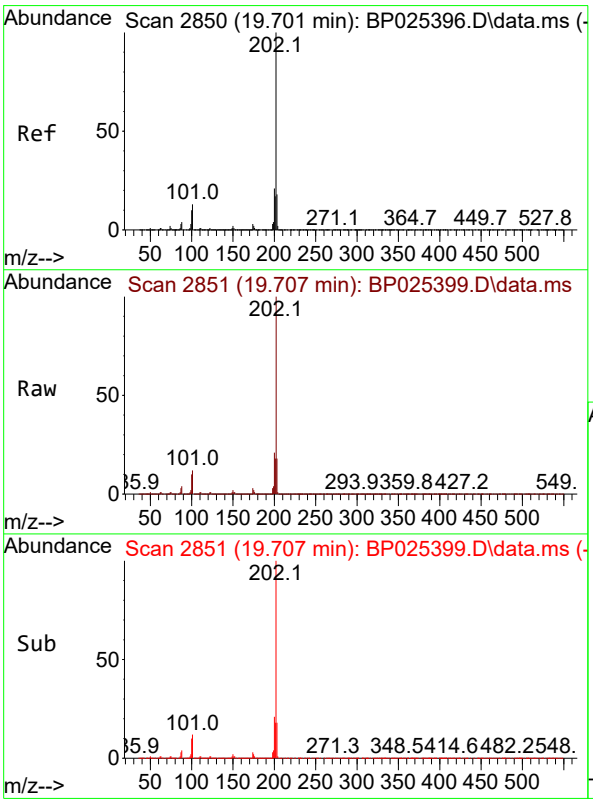
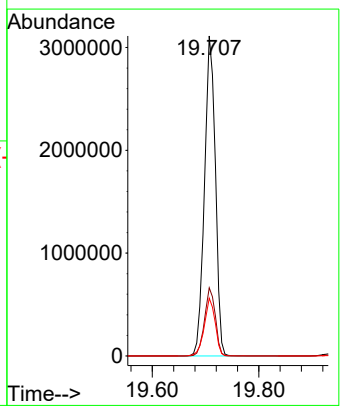
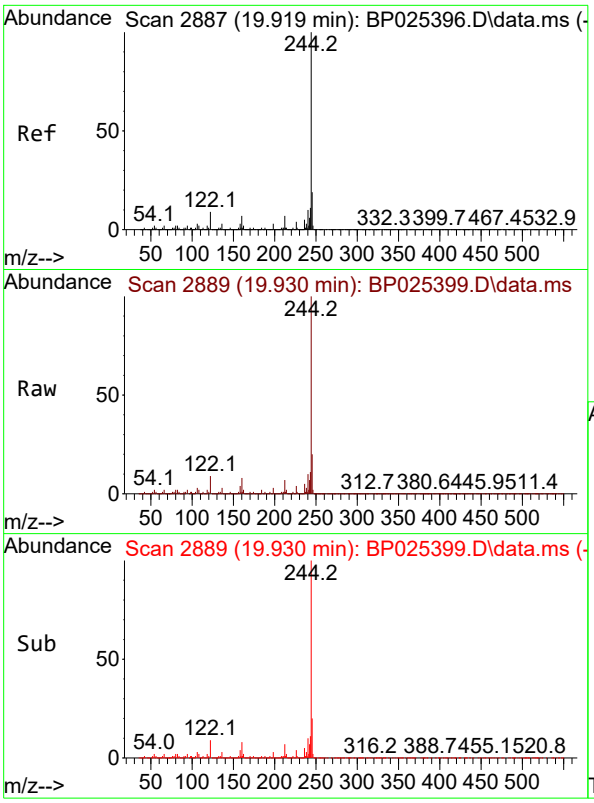


#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.1	14.2	21.2

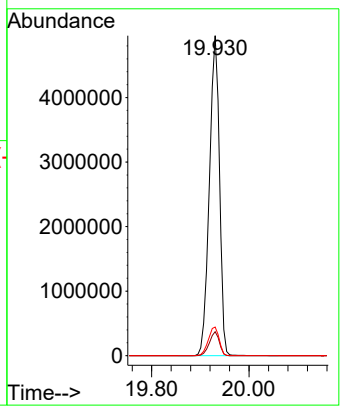




#79
Terphenyl-d14
Concen: 146.217 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:244 Resp: 710381

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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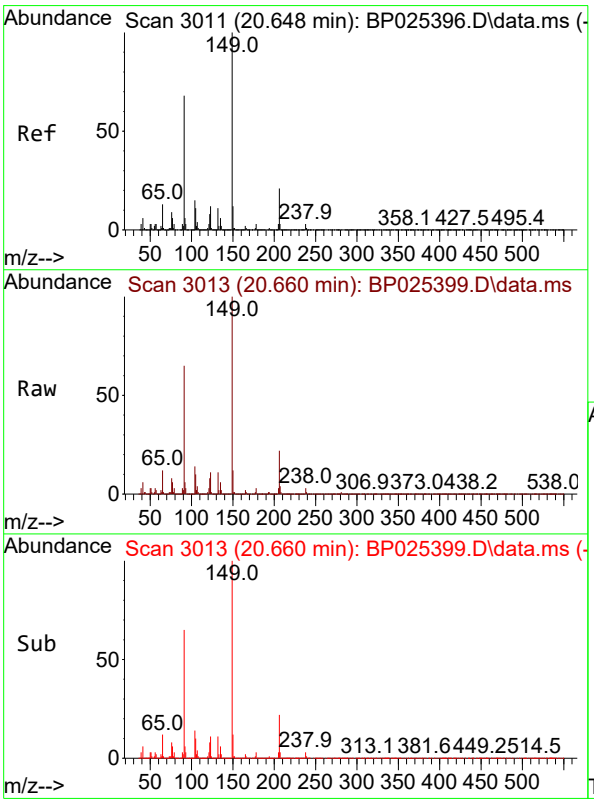
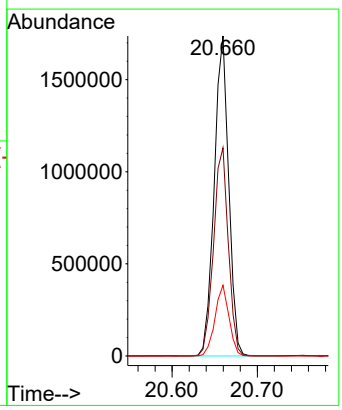
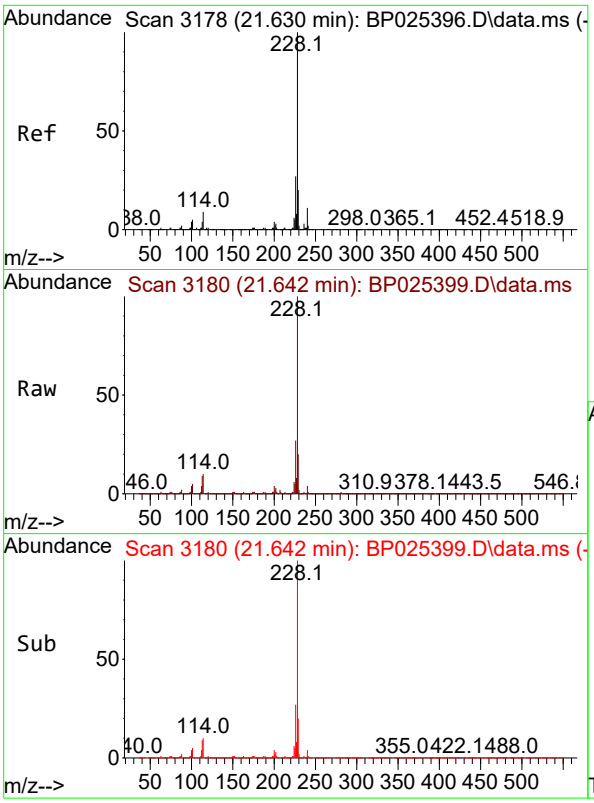


#80
Butylbenzylphthalate
Concen: 78.460 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2054404

Ion	Ratio	Lower	Upper
149	100		
91	65.0	54.2	81.2
206	22.1	16.6	24.8





#81
Benzo(a)anthracene
Concen: 77.322 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:228 Resp: 453276

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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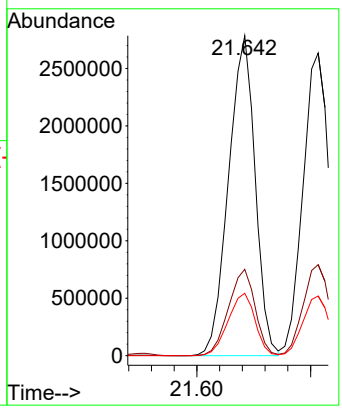
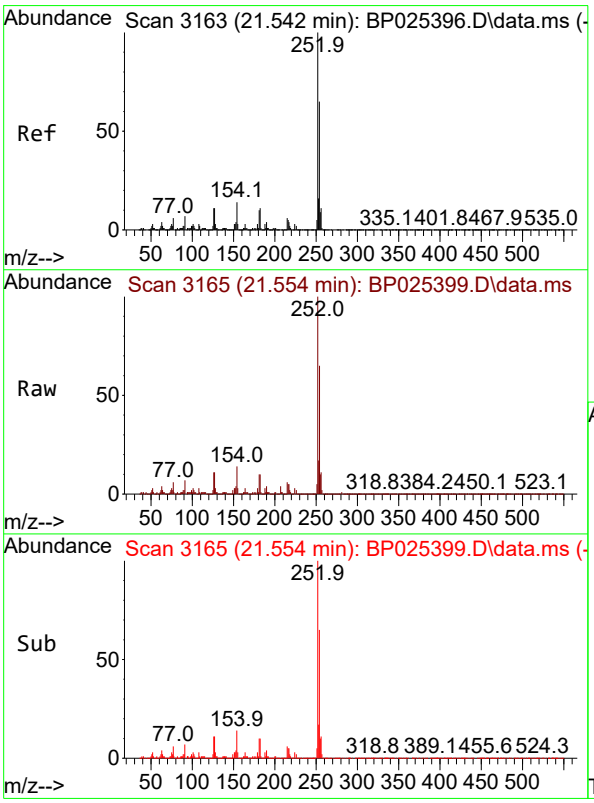
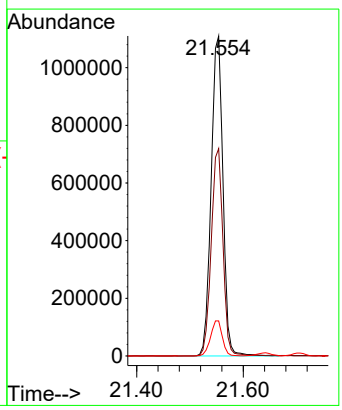


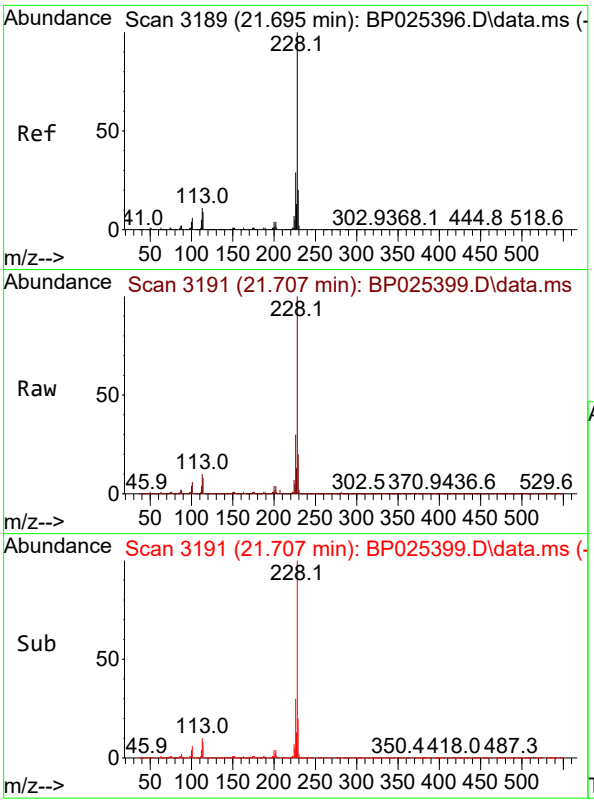


#82
3,3'-Dichlorobenzidine
Concen: 77.197 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 1705746

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.0	9.1	13.7

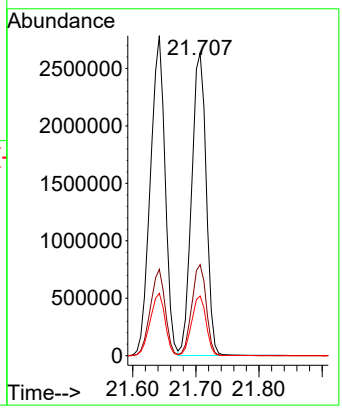




#83
Chrysene
Concen: 76.835 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:228 Resp: 421816

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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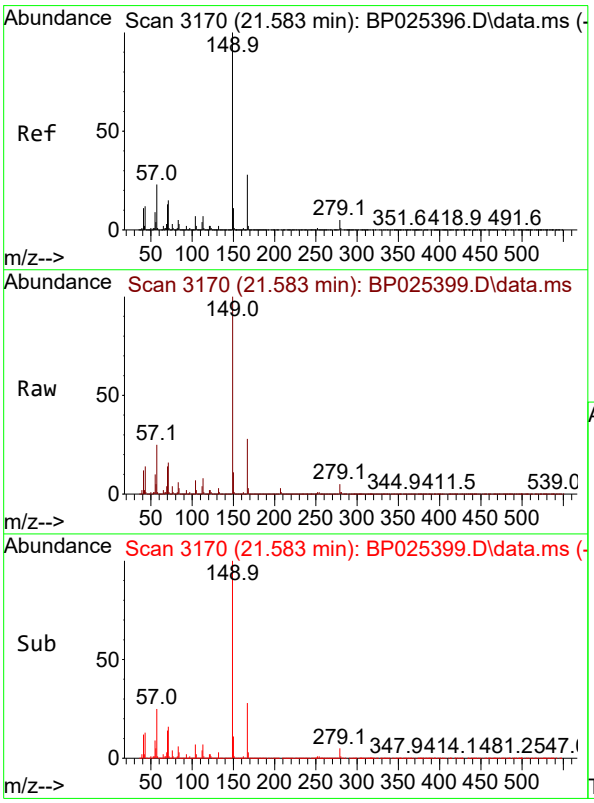
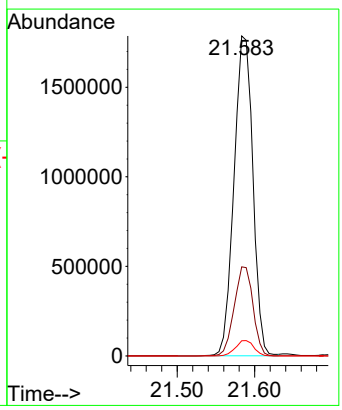
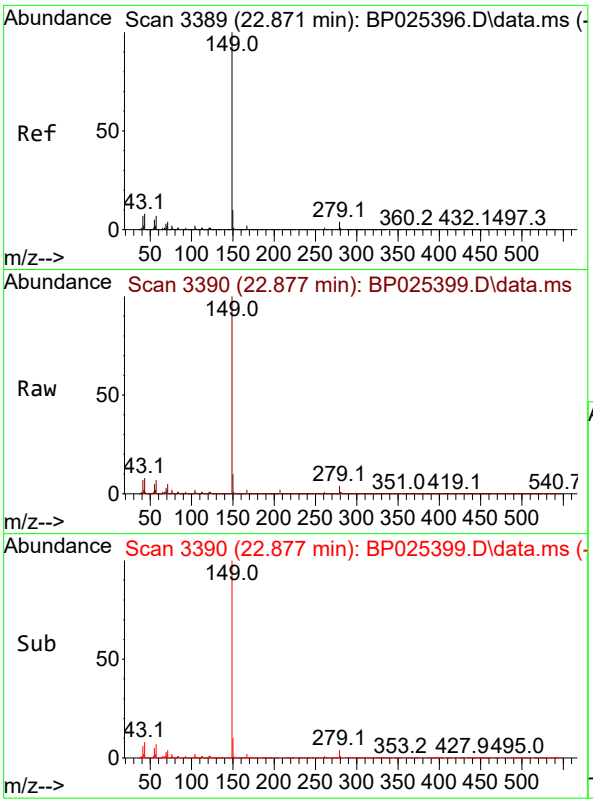


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.400 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 3021891

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.8	3.8	5.6

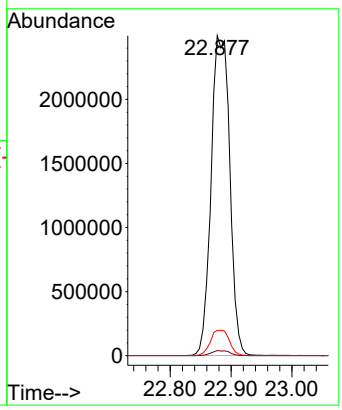




#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 530208

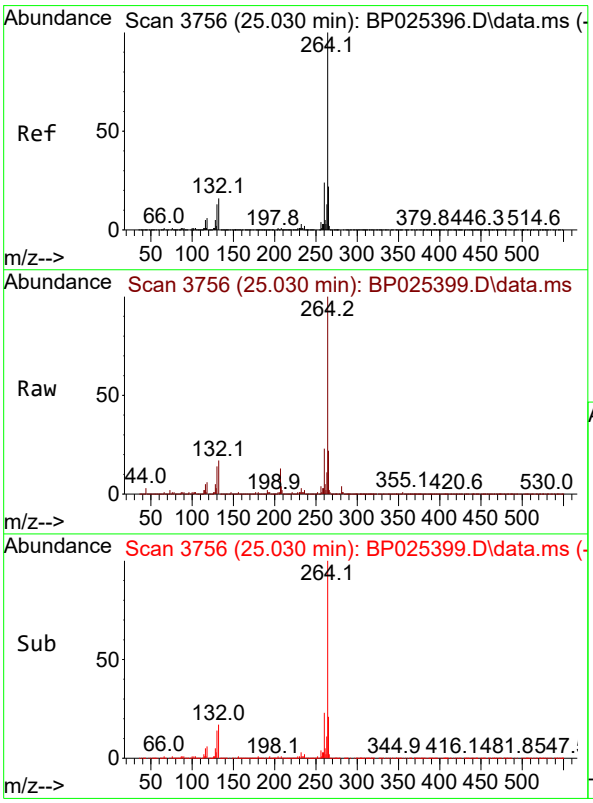
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

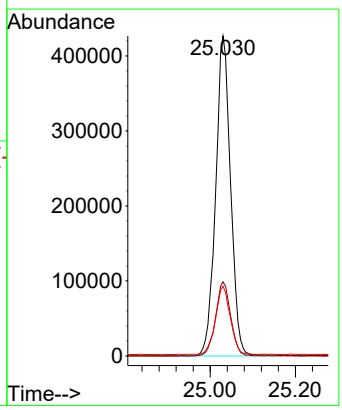
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

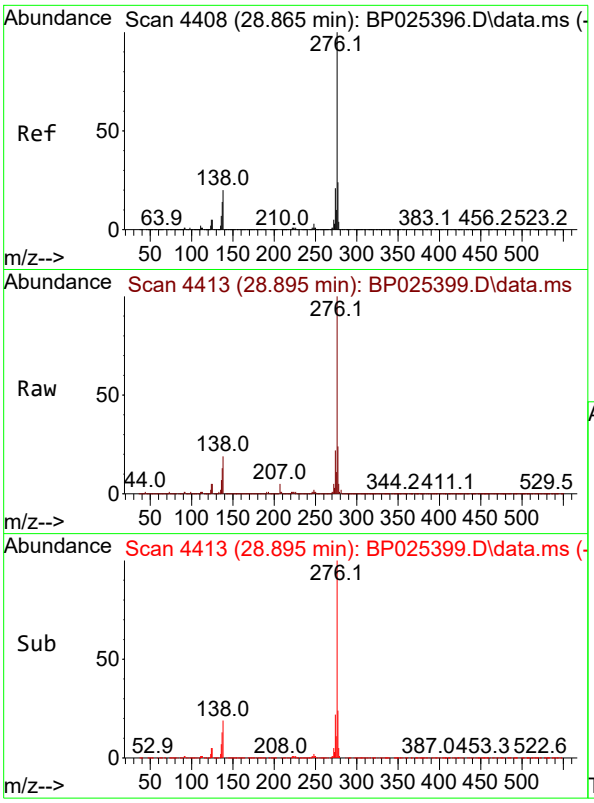


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:264 Resp: 1037707

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.8	17.4	26.0

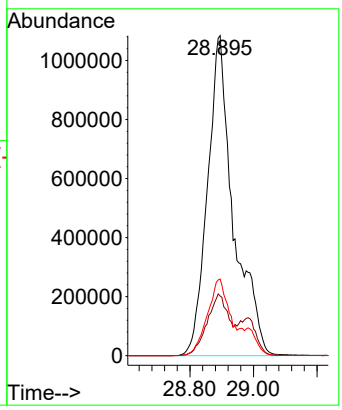




#87
Indeno(1,2,3-cd)pyrene
Concen: 81.030 ng m
RT: 28.895 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 616857

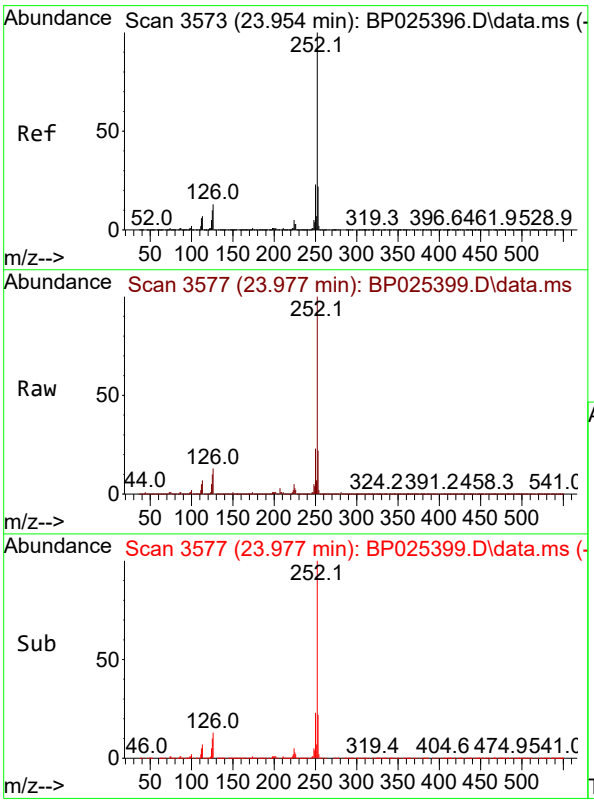
Ion	Ratio	Lower	Upper
276	100		
138	16.9	12.9	19.3
277	20.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

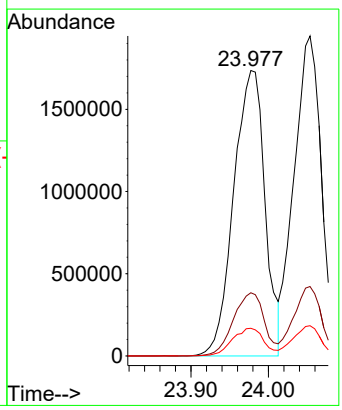
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

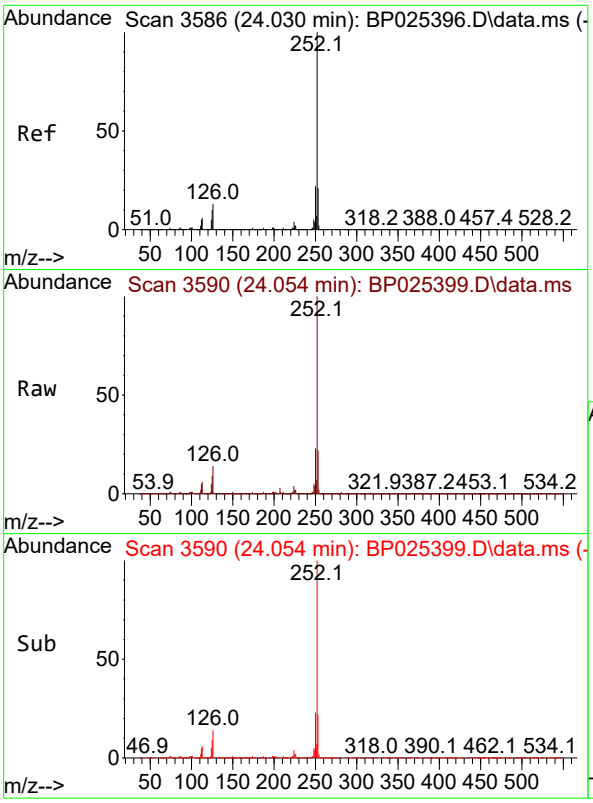


#88
Benzo(b)fluoranthene
Concen: 79.692 ng
RT: 23.977 min Scan# 3577
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4876398

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.7	7.9	11.9

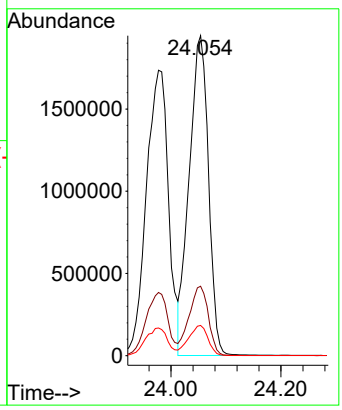




#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 473463

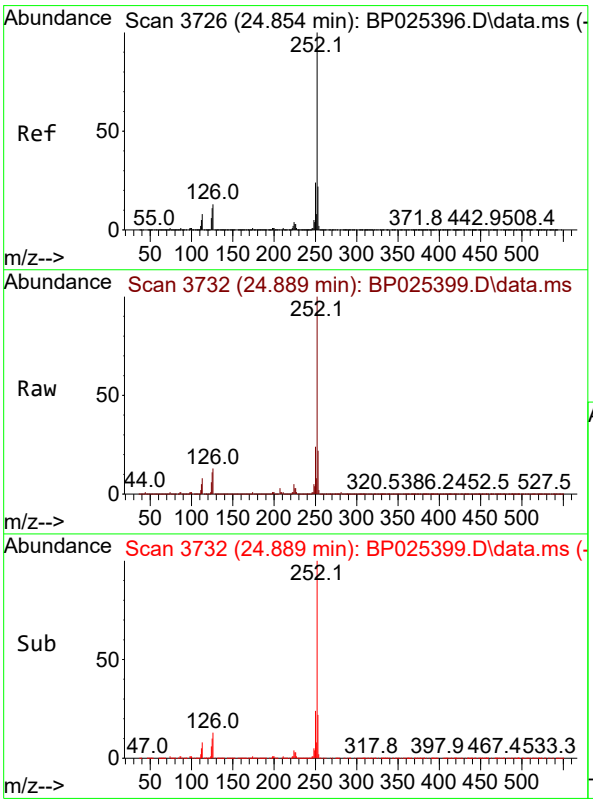
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

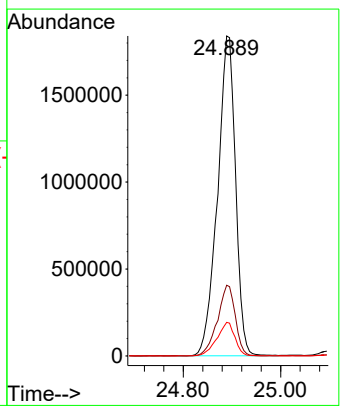
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

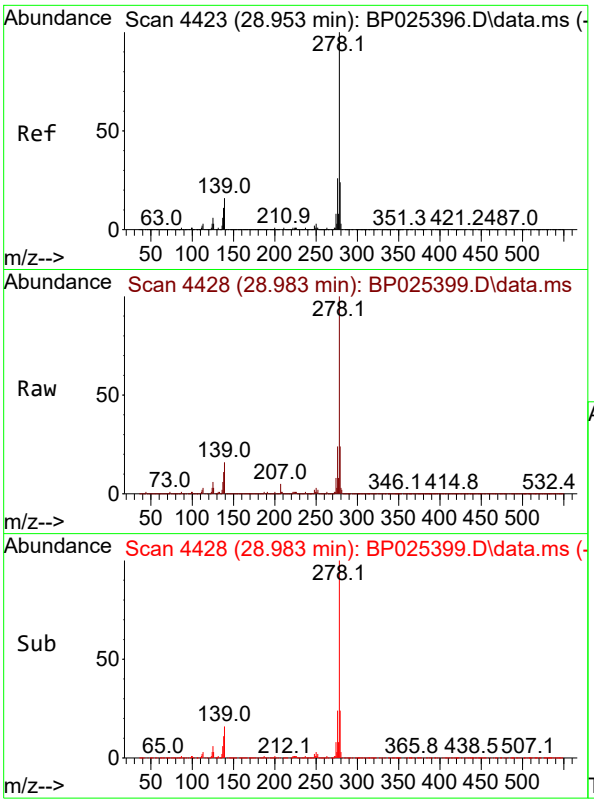


#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4735685

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.7	13.1

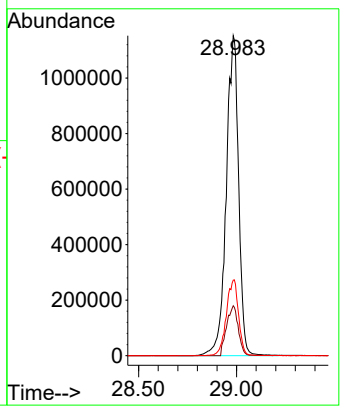




#91
Dibenzo(a,h)anthracene
Concen: 81.142 ng
RT: 28.983 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:278 Resp: 504626

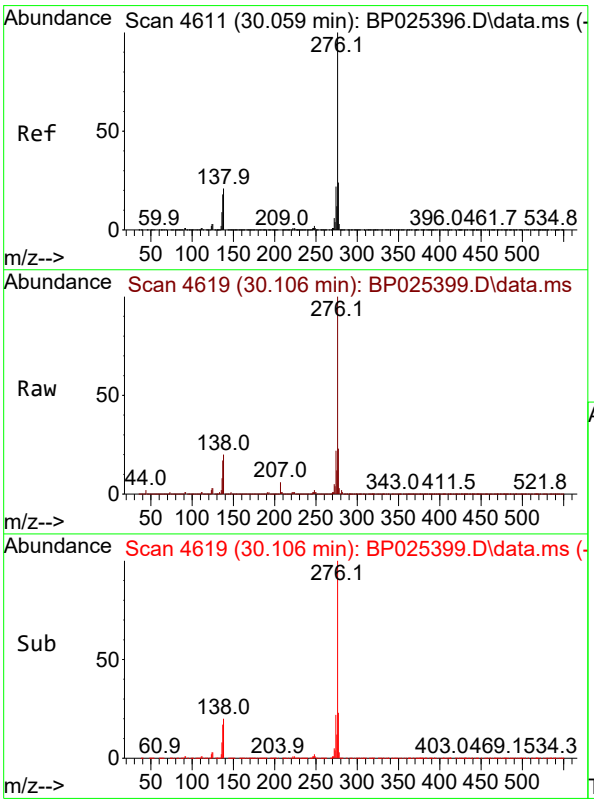
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.0	19.4
279	23.6	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

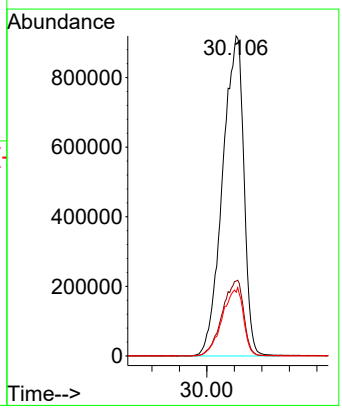
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 80.973 ng
RT: 30.106 min Scan# 4619
Delta R.T. 0.047 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 4949477

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.9	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng		0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng		0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	727486	69.430	ng		0.00
7) Phenol-d6	6.966	99	962695	71.663	ng		0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng		0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng		99
3) Pyridine	3.731	79	403298	35.901	ng		98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng		98
6) Aniline	7.125	93	690437	38.147	ng		99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng		99
9) Benzaldehyde	6.943	77	321335	34.142	ng		96
10) Phenol	6.996	94	541123	38.388	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng		100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng		97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng		99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng		99
17) 2-Methylphenol	8.225	107	380608	38.877	ng		100
18) Hexachloroethane	8.866	117	186691	38.103	ng		97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng		99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng		99
22) Acetophenone	8.602	105	718869	38.216	ng	#	99
24) Nitrobenzene	8.978	77	494466	37.313	ng		98
25) Isophorone	9.501	82	993378	37.855	ng		99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng		97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng		99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng		98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng		98
31) Naphthalene	10.613	128	1459279	37.431	ng		99
32) Benzoic acid	9.884	122	330207	38.242	ng		96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng		99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng		98
35) Caprolactam	11.501	113	163211	38.310	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng		98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng		99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng		100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1018011m	36.837	ng	
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

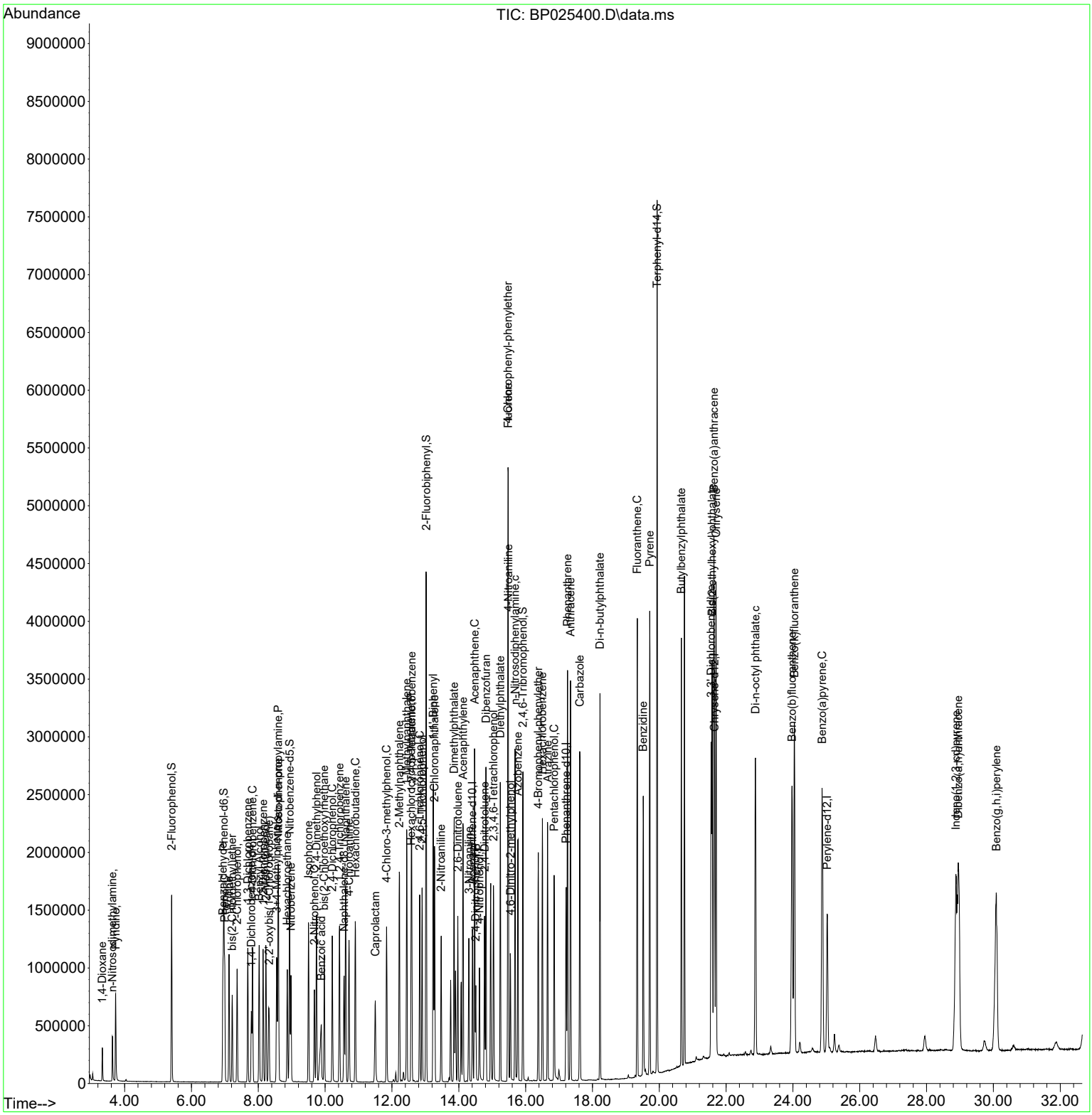
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

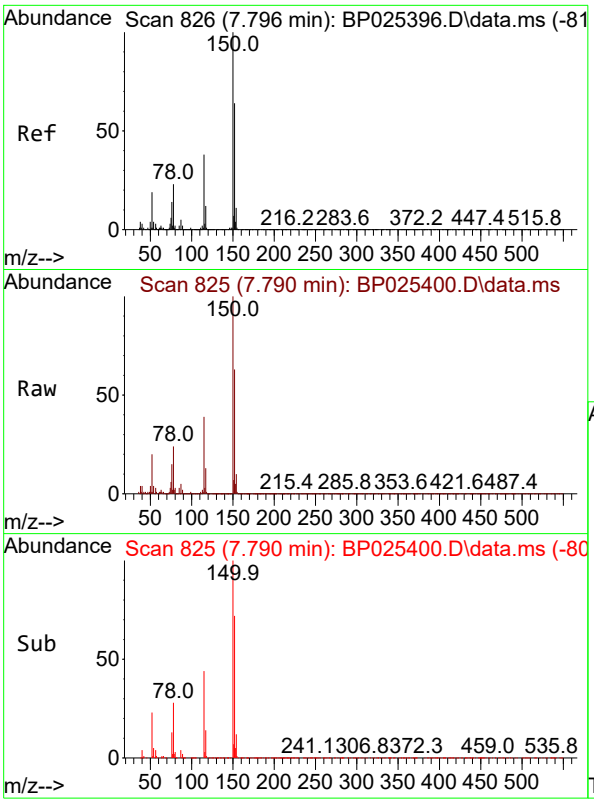
Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

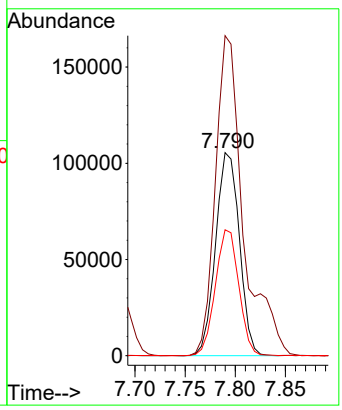




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:152 Resp: 17400

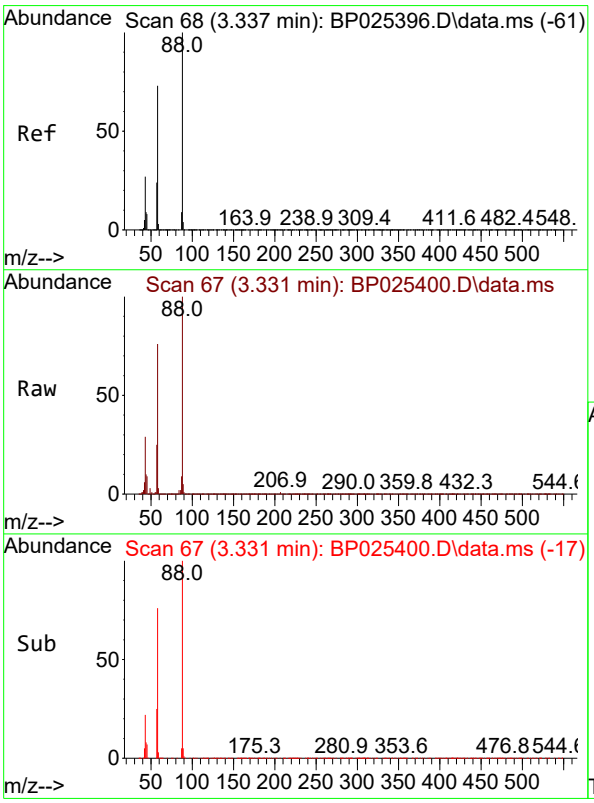
Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	62.0	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

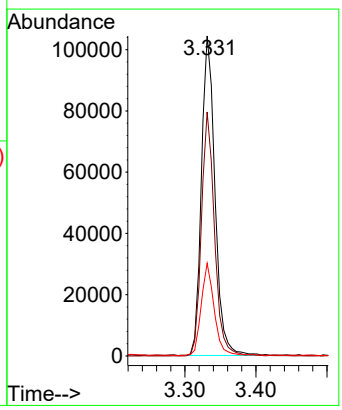
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

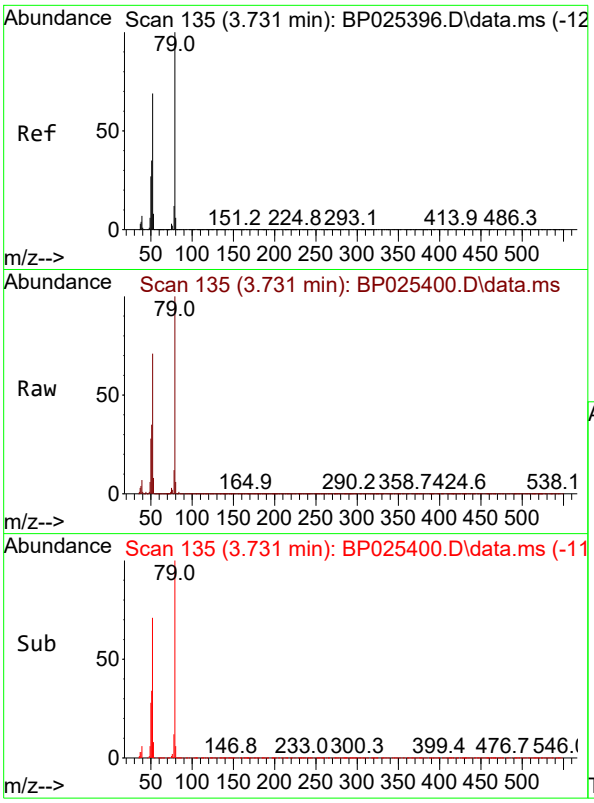


#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 88 Resp: 138687

Ion	Ratio	Lower	Upper
88	100		
58	73.7	59.2	88.8
43	27.9	21.7	32.5

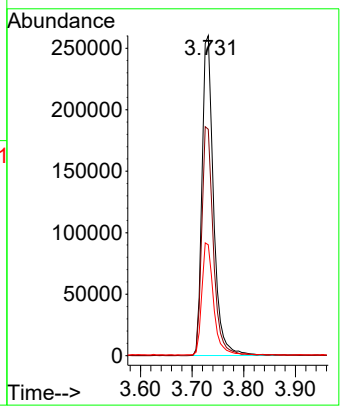




#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 79 Resp: 40329

Ion	Ratio	Lower	Upper
79	100		
52	70.8	55.5	83.3
51	34.7	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
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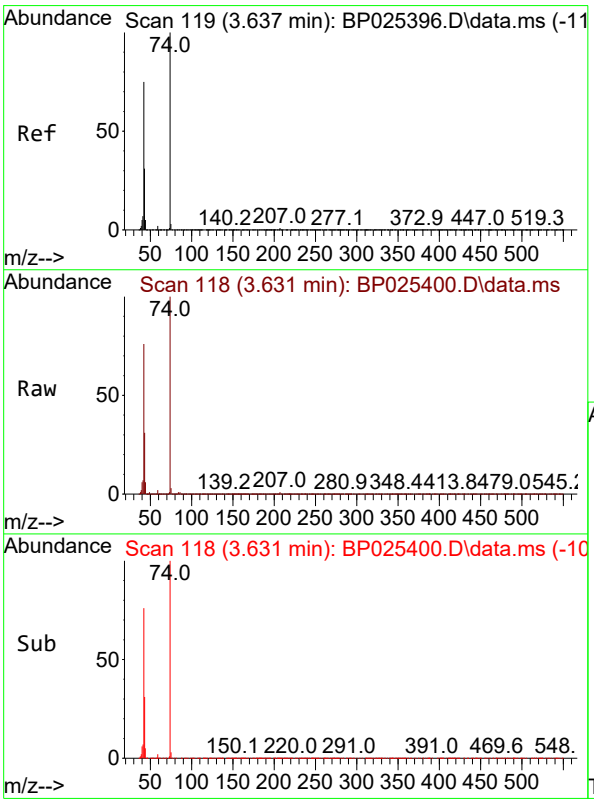
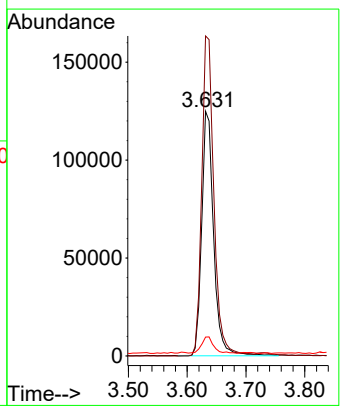
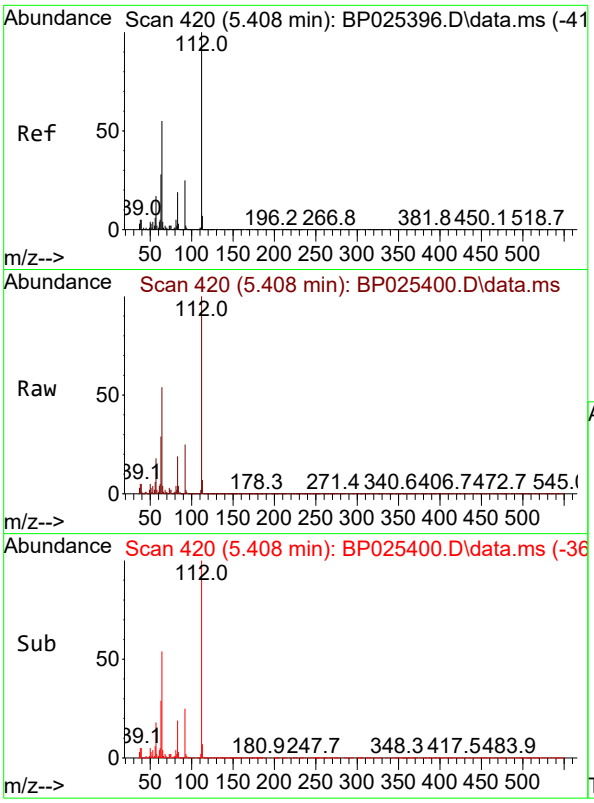


#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 42 Resp: 176521

Ion	Ratio	Lower	Upper
42	100		
74	130.8	107.0	160.4
44	7.7	6.2	9.4

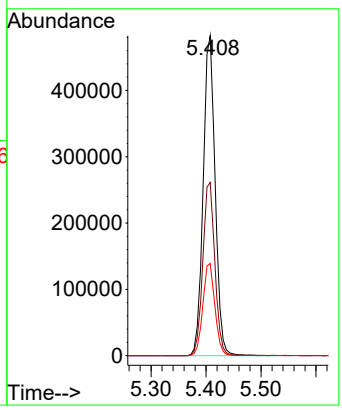




#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:112 Resp: 72748

Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.8	65.8
63	28.8	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
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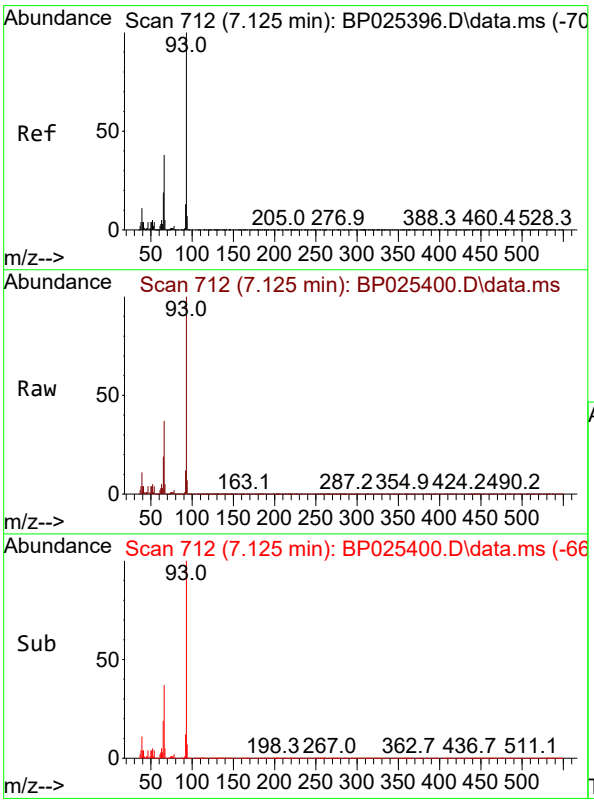
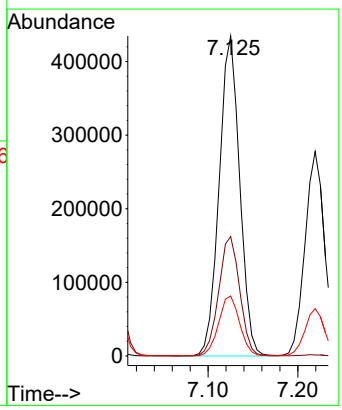
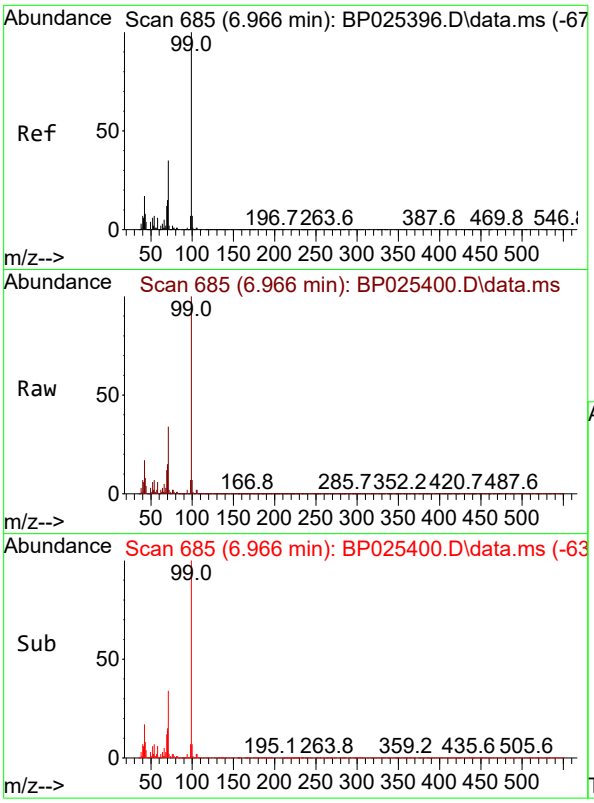


#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.4	45.6
65	18.7	15.3	22.9

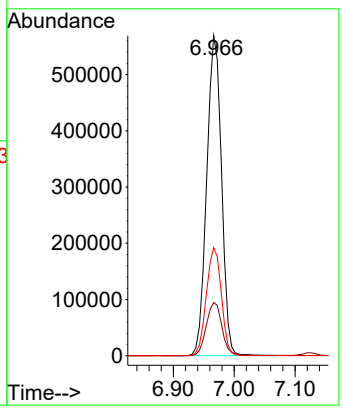




#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 99 Resp: 96269

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	33.7	28.2	42.4



Instrument :
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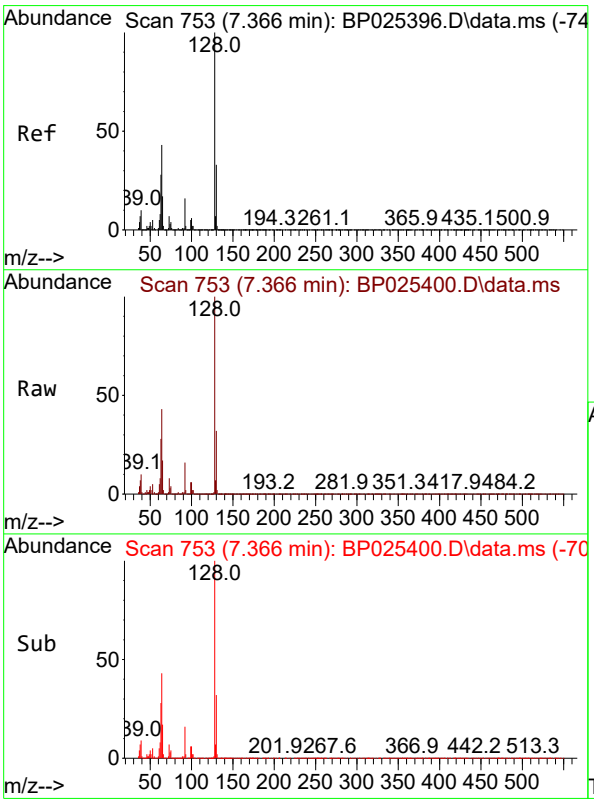
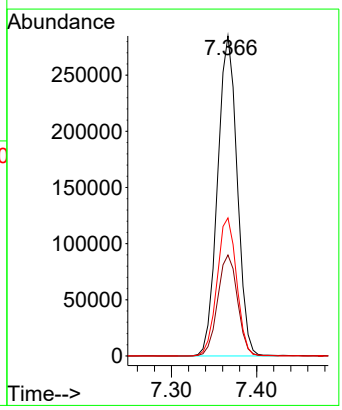
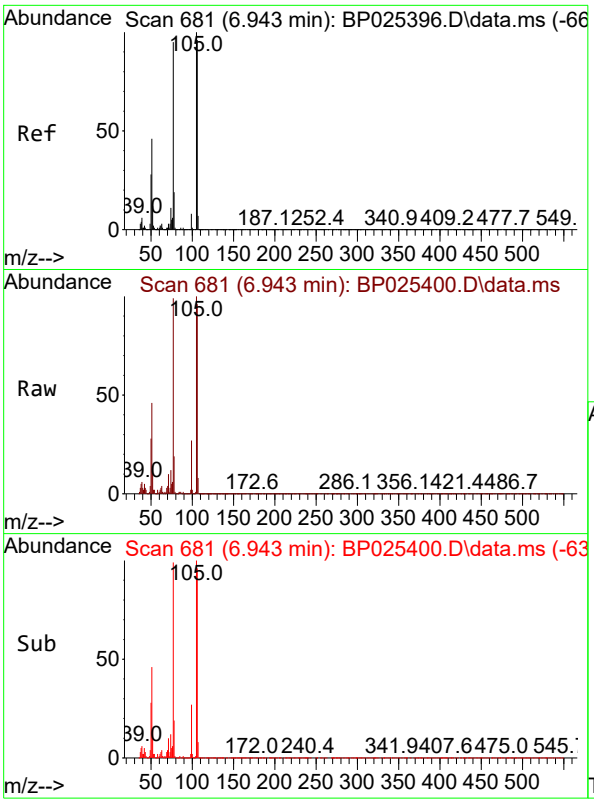


#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 455230

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	43.2	23.4	63.4

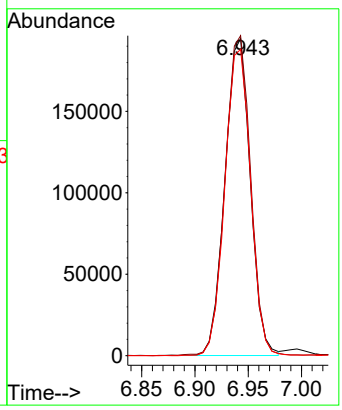




#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 32133

Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	96.6	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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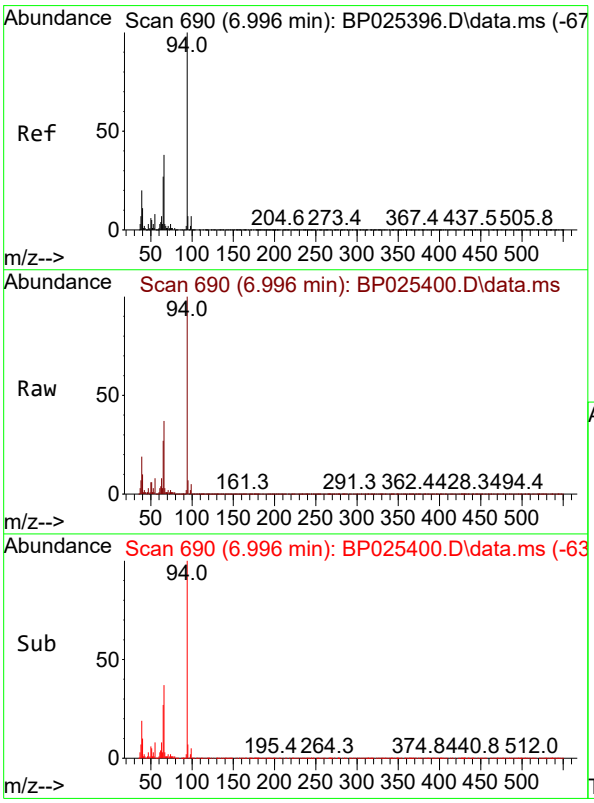
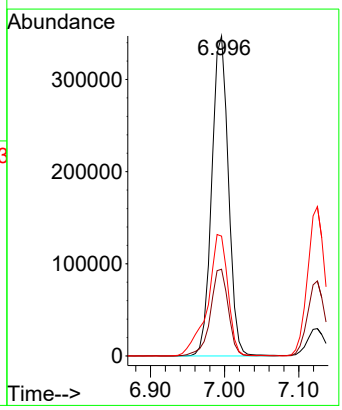
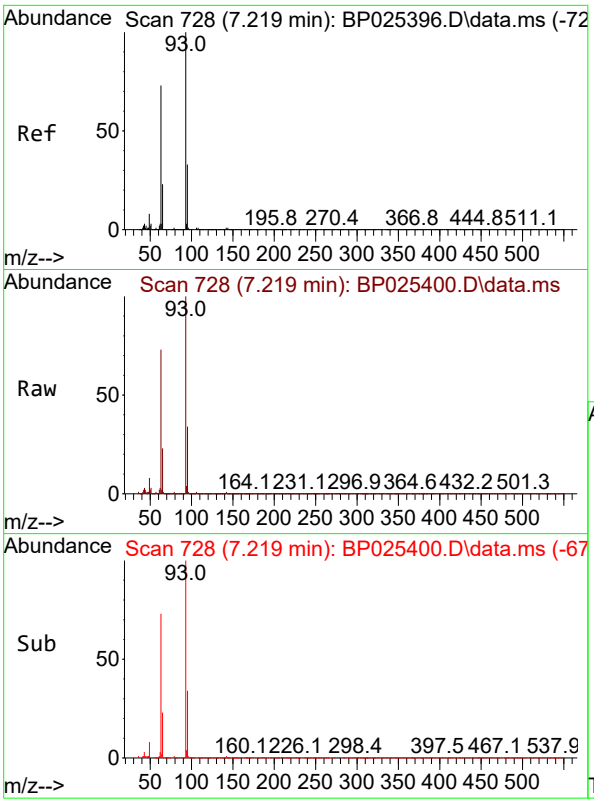


#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 94 Resp: 541123

Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.8	46.8
66	37.5	18.2	58.2

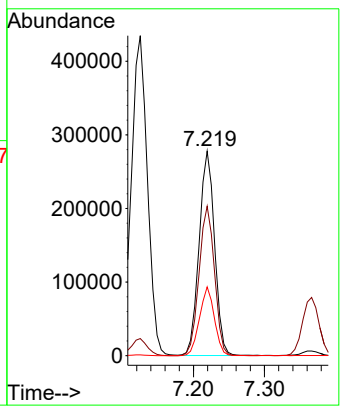




#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 42131

Ion	Ratio	Lower	Upper
93	100		
63	73.1	52.6	92.6
95	33.6	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
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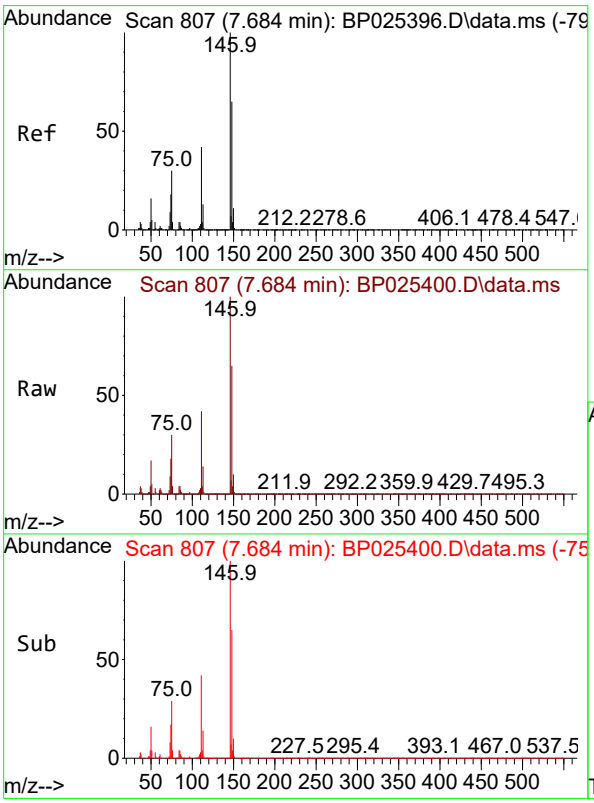
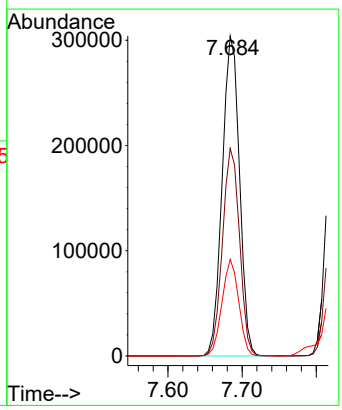
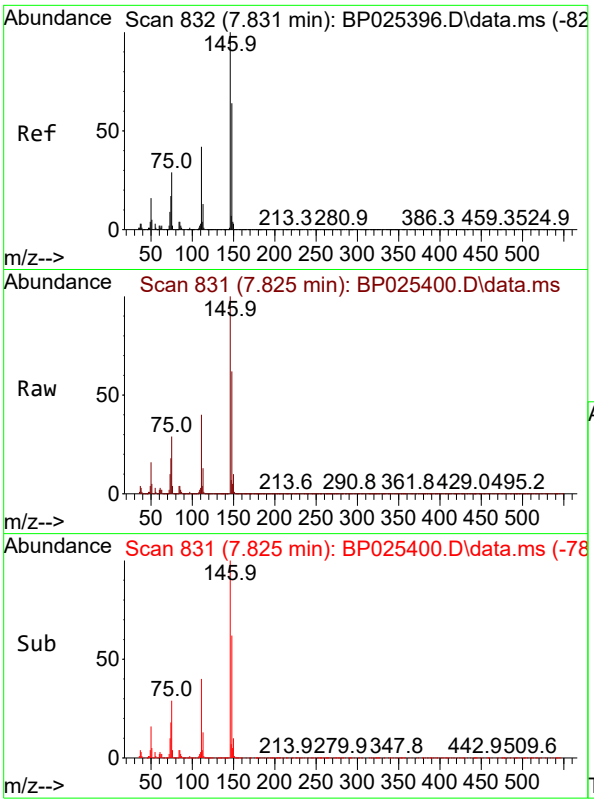


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 492014

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	30.1	23.7	35.5

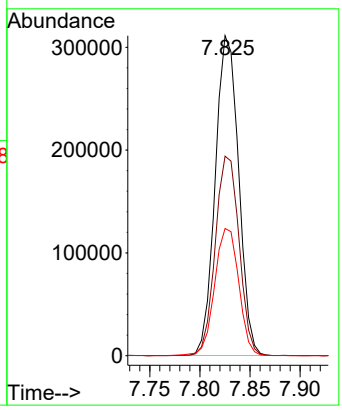




#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 50491

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.6	77.4
111	39.8	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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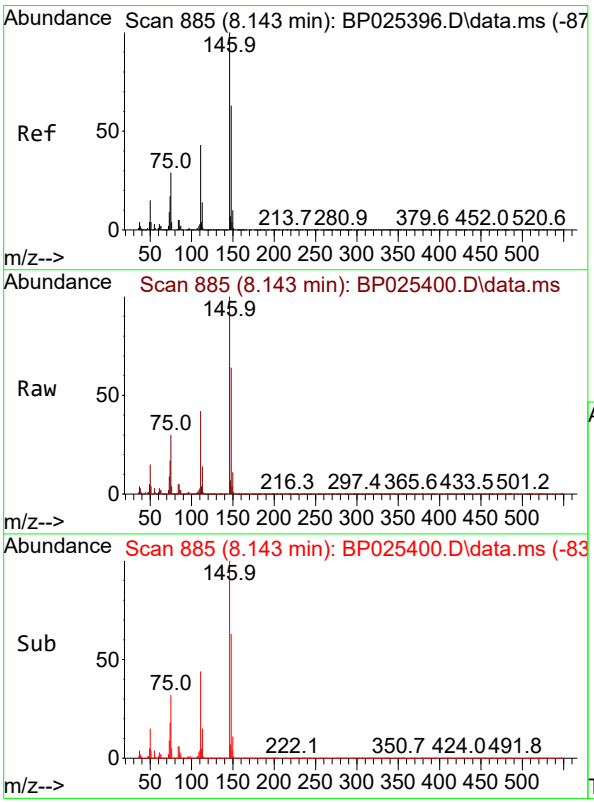
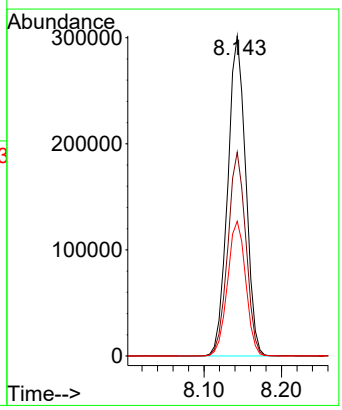
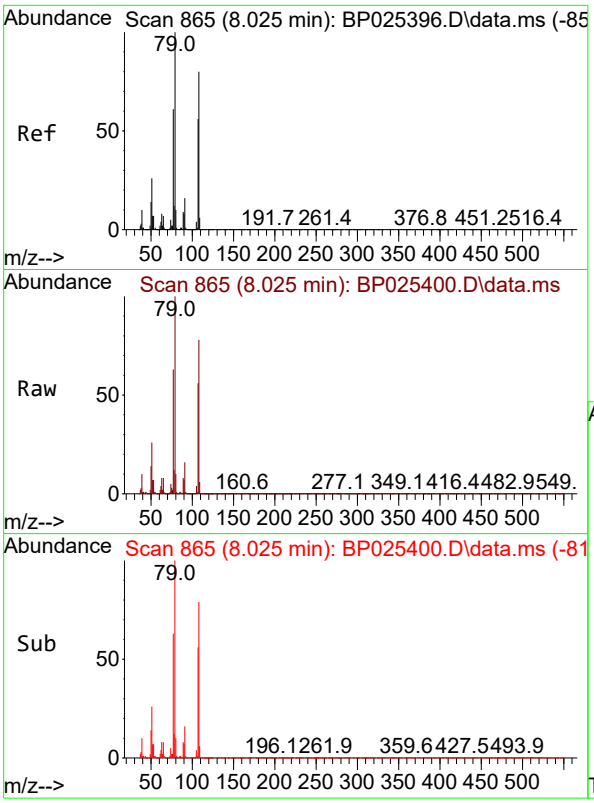


#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 487845

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	42.1	34.5	51.7

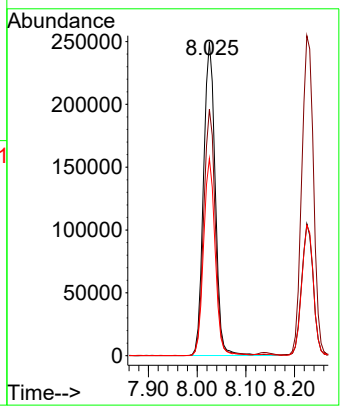




#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 79 Resp: 41654

Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.8	49.0	73.4



Instrument :
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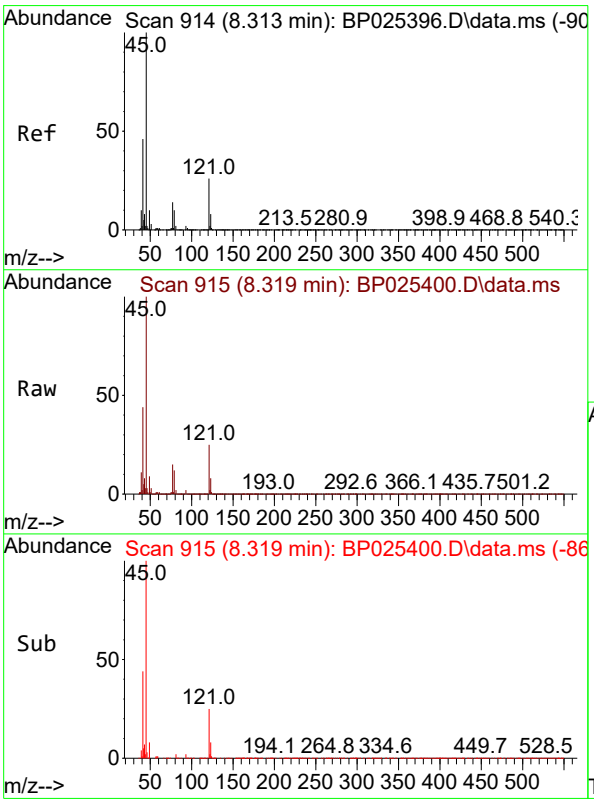
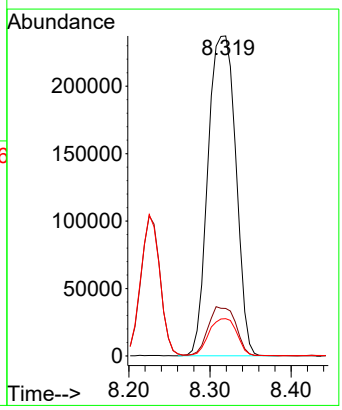
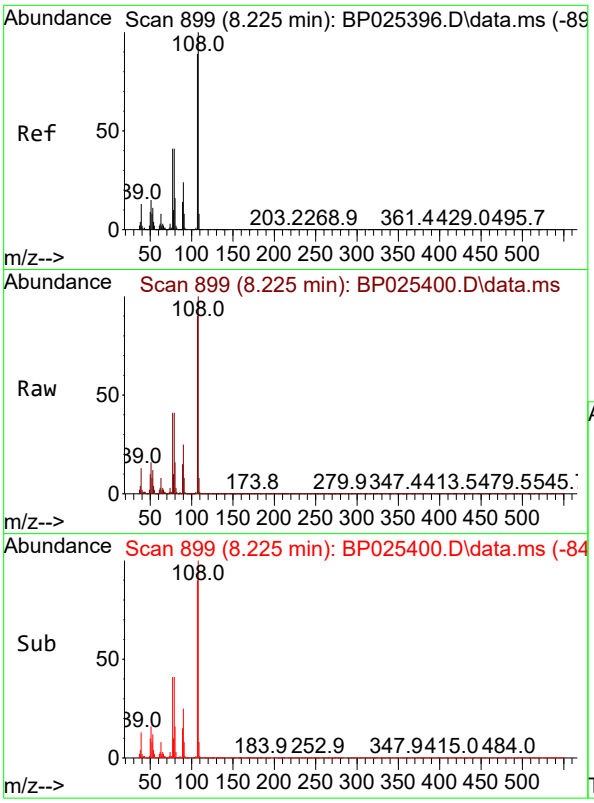


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 45 Resp: 563276

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.7	0.0	31.8

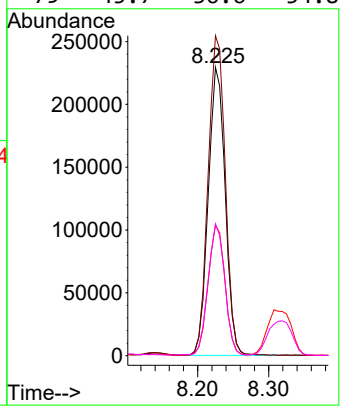




#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 38060

Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8



Instrument :
BNA_P
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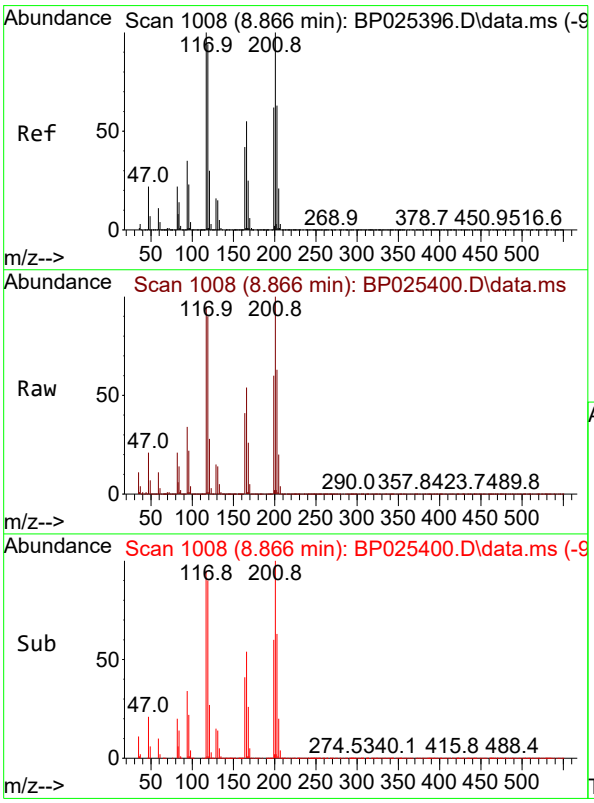
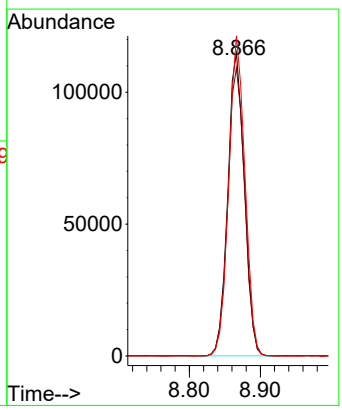
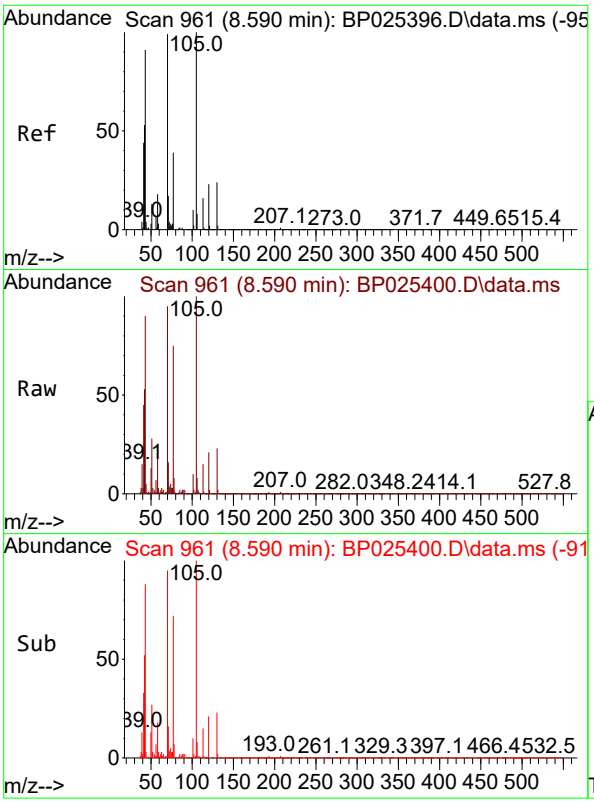


#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:117 Resp: 186691

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.1	112.7
201	105.6	80.1	120.1

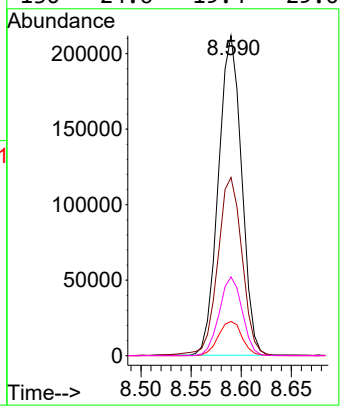




#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 70 Resp: 34053

Ion	Ratio	Lower	Upper
70	100		
42	55.7	43.8	65.6
101	10.7	8.5	12.7
130	24.6	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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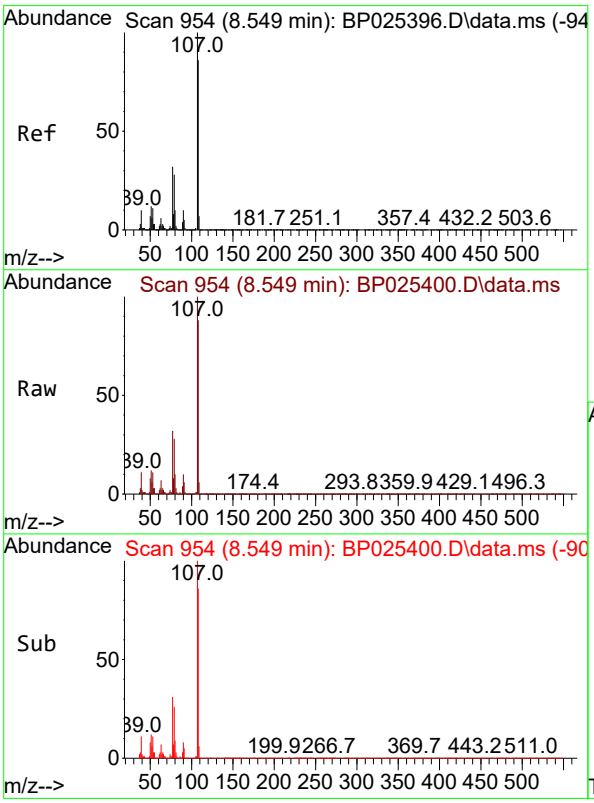
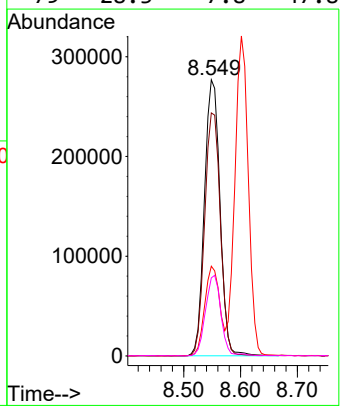
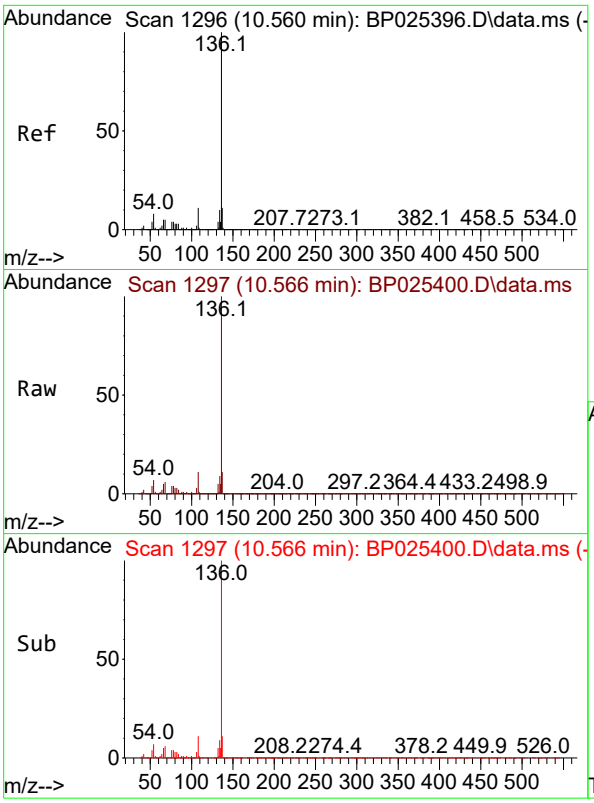


#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 524095

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	32.5	12.3	52.3
79	28.3	7.8	47.8

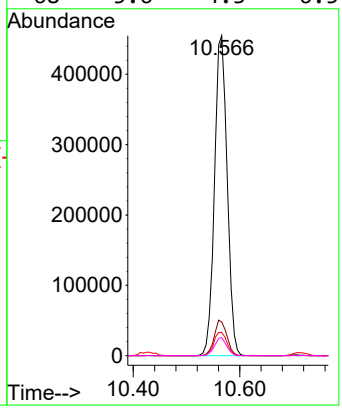




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:136 Resp: 75007

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5



Instrument :
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ClientSampleId :
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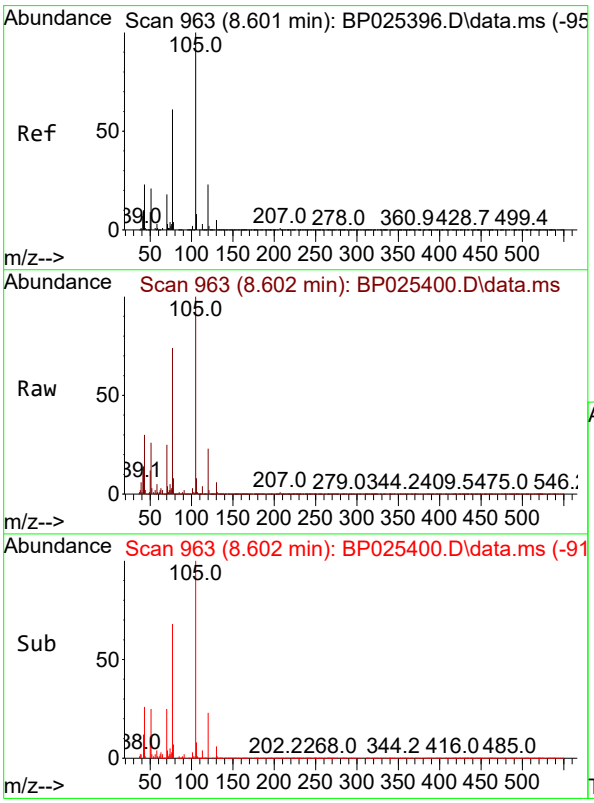
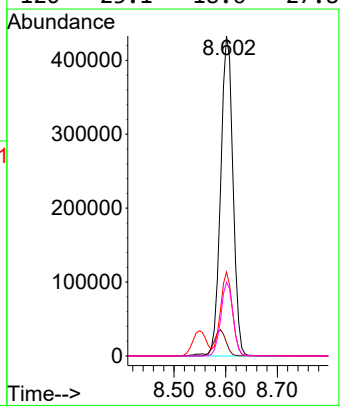
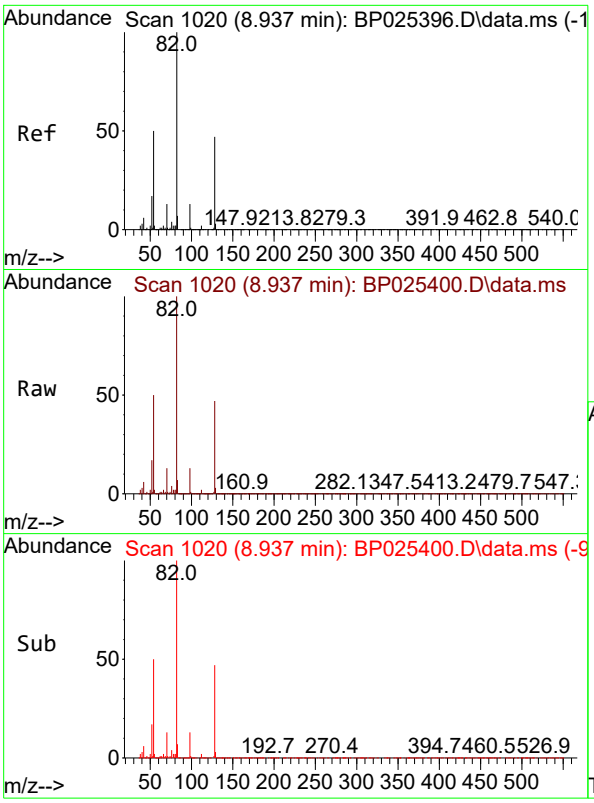


#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:105 Resp: 718869

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8

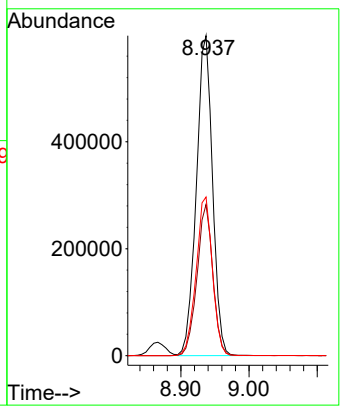




#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 82 Resp: 98444

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	49.6	39.8	59.6



Instrument :
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ClientSampleId :
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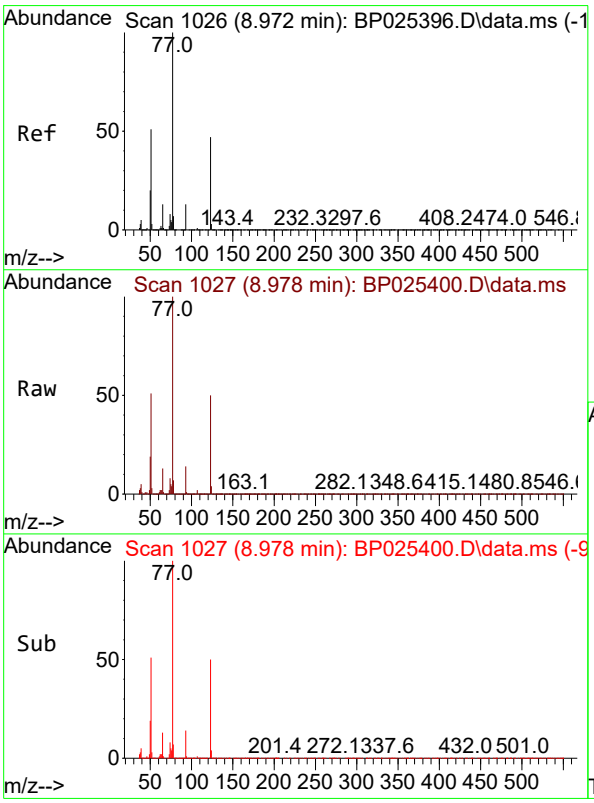
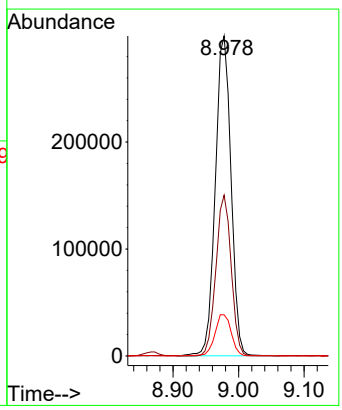
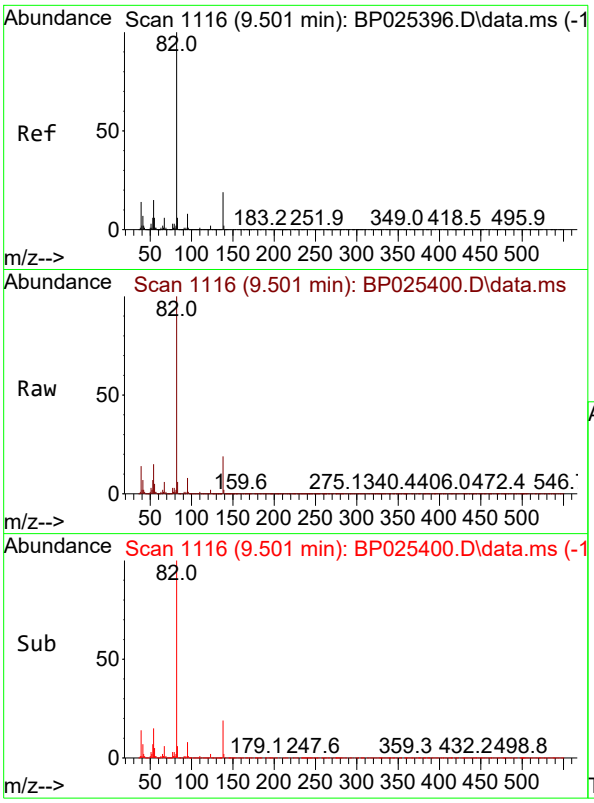


#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 494466

Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	12.9	10.6	15.8





#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 82 Resp: 99337

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
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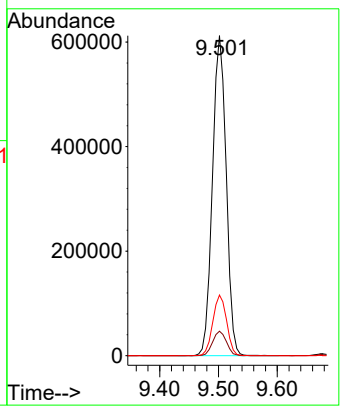
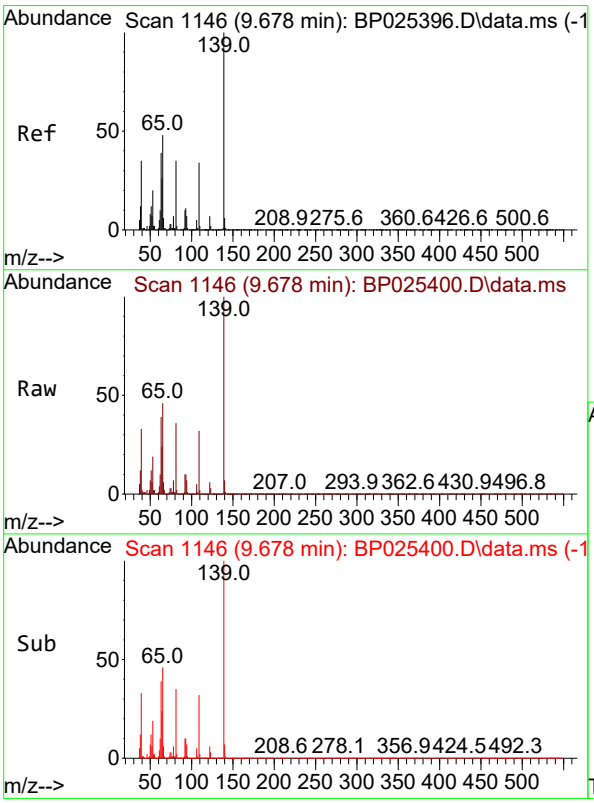
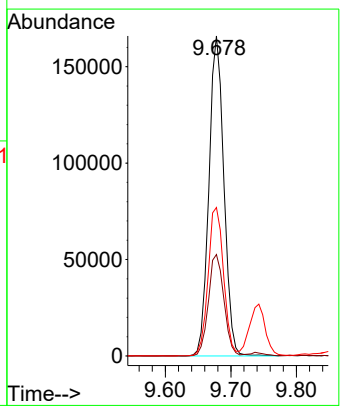


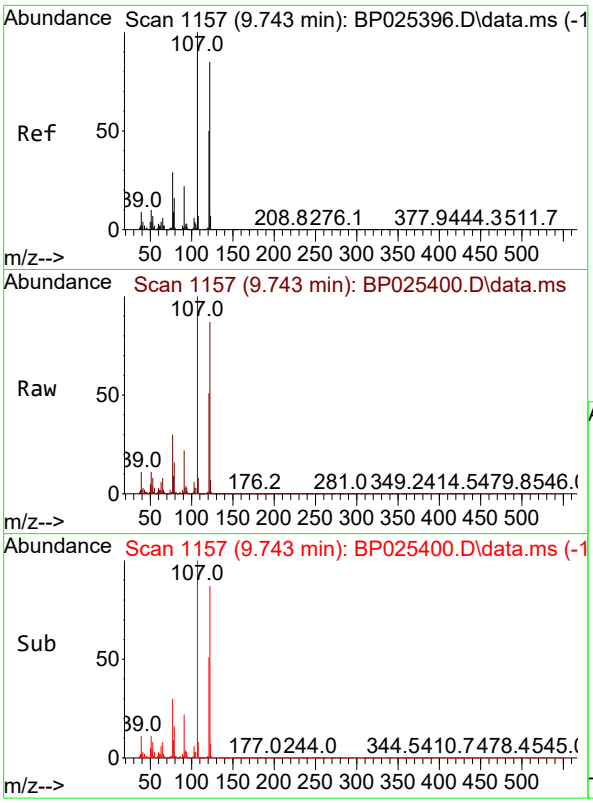


#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 263348

Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.9	40.3
65	46.4	38.3	57.5

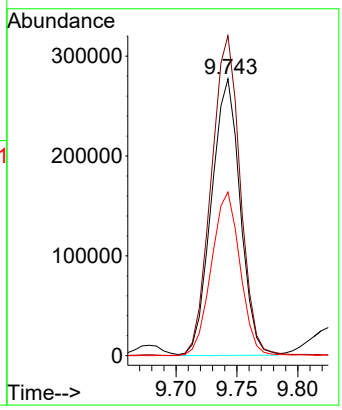




#27
2,4-Dimethylphenol
Concen: 38.910 ng
RT: 9.743 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 45507

Ion	Ratio	Lower	Upper
122	100		
107	115.6	93.7	140.5
121	59.1	46.6	69.8



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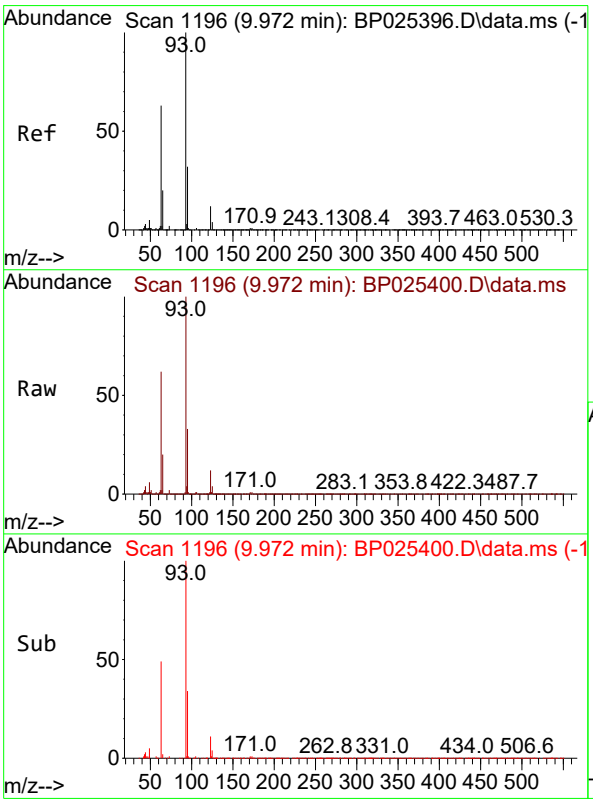
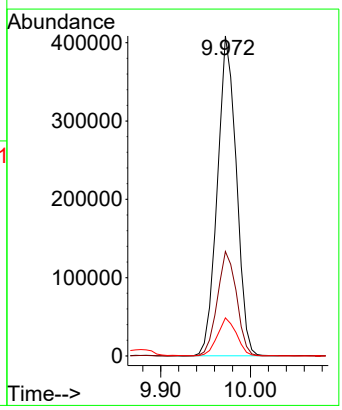
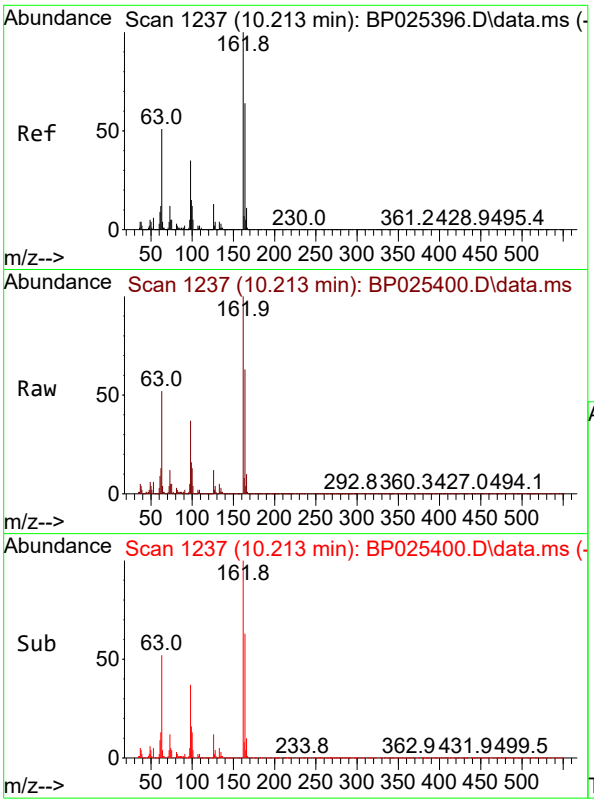


#28
bis(2-Chloroethoxy)methane
Concen: 37.816 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 599862

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.9	9.4	14.0

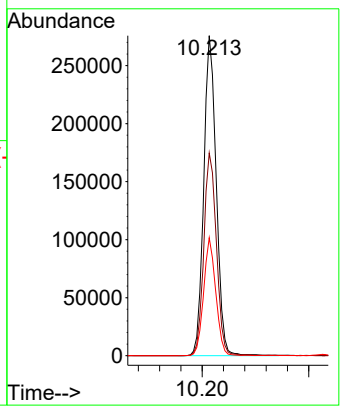




#29
2,4-Dichlorophenol
Concen: 38.649 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:162 Resp: 44903

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.4	84.4
98	36.9	14.9	54.9



Instrument :
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ClientSampleId :
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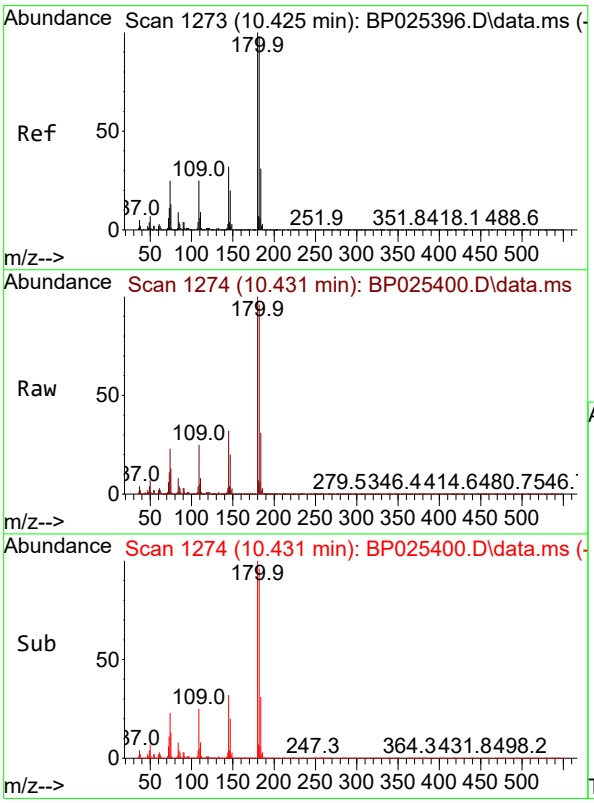
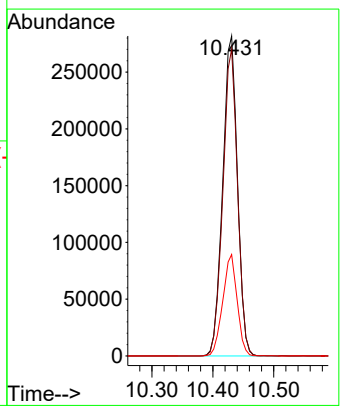
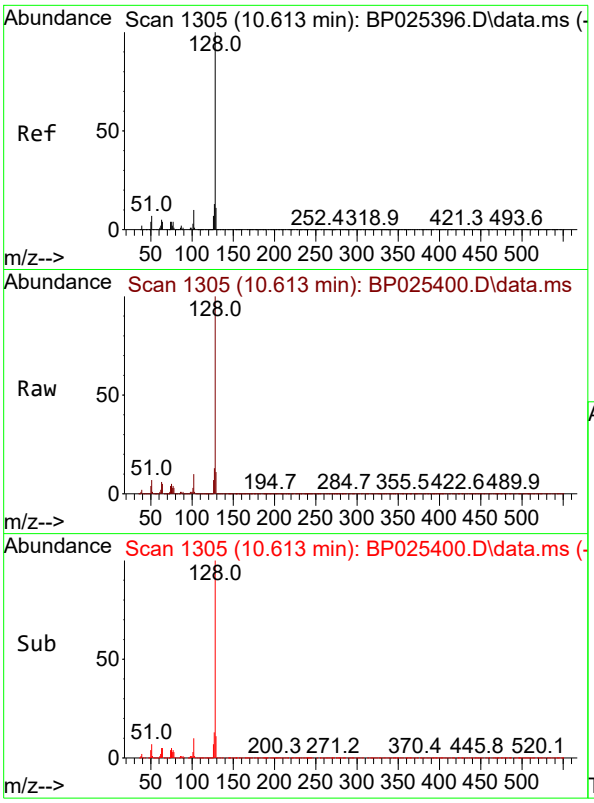


#30
1,2,4-Trichlorobenzene
Concen: 37.231 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:180 Resp: 474183

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.7	25.9	38.9

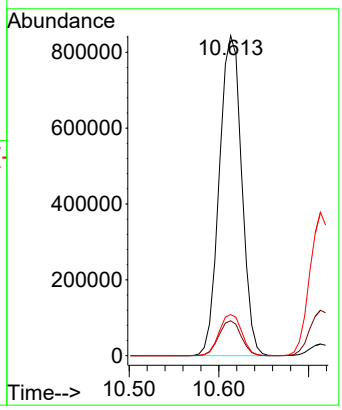




#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 145927

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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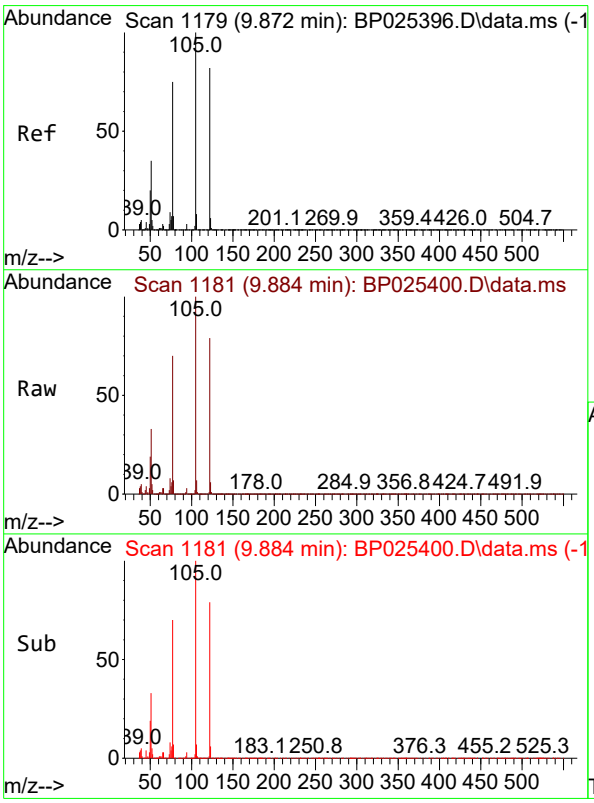
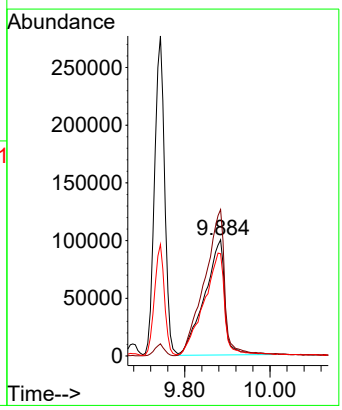
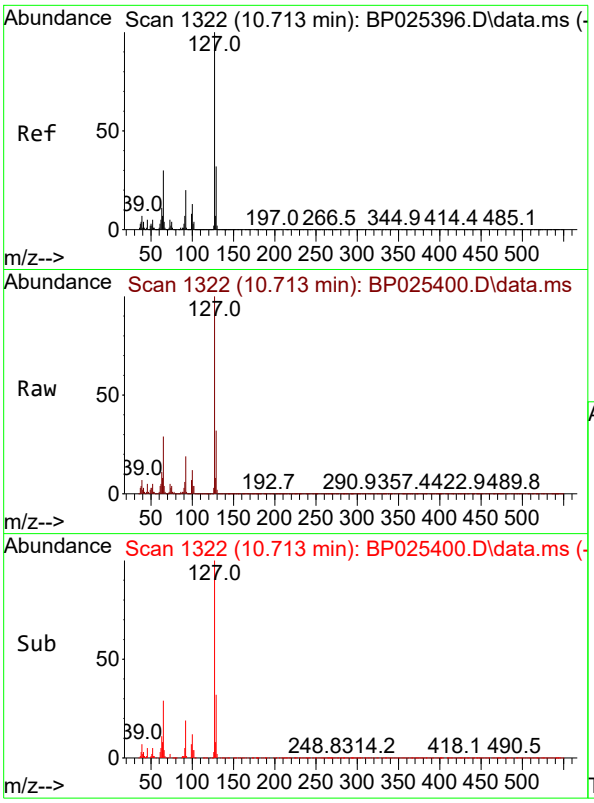


#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 330207

Ion	Ratio	Lower	Upper
122	100		
105	126.0	100.6	140.6
77	88.0	71.5	111.5

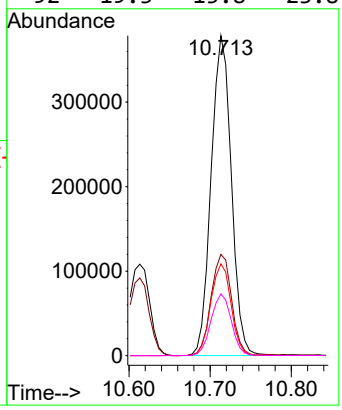




#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:127 Resp: 65513

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	28.7	23.8	35.6
92	19.3	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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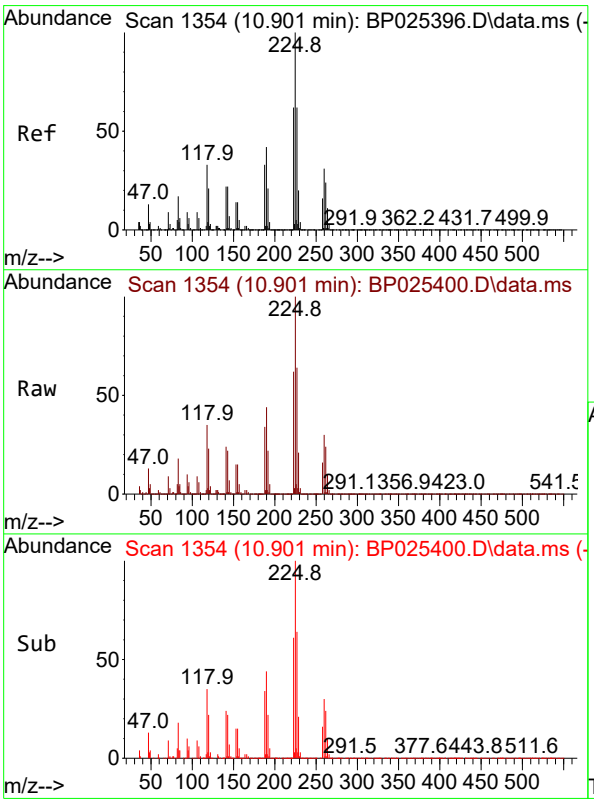
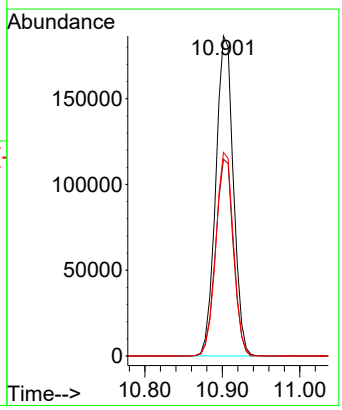
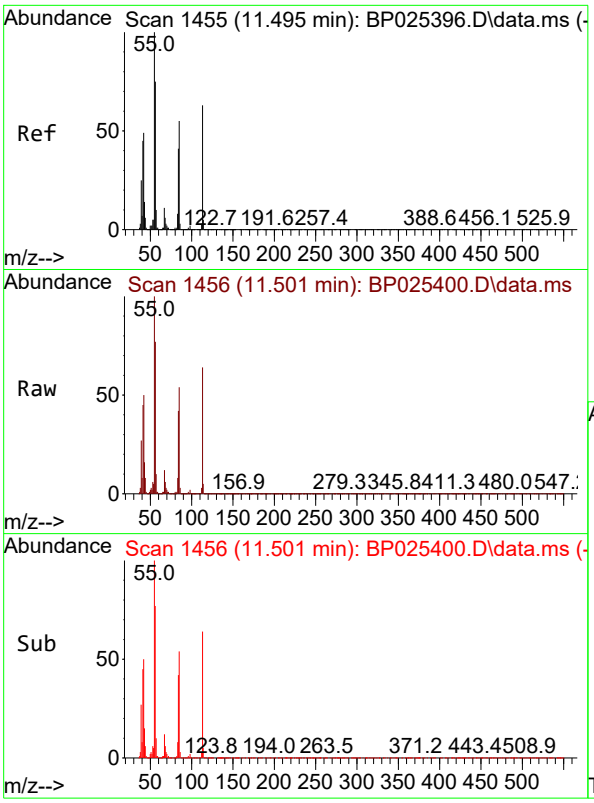


#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:225 Resp: 293728

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	63.6	49.7	74.5

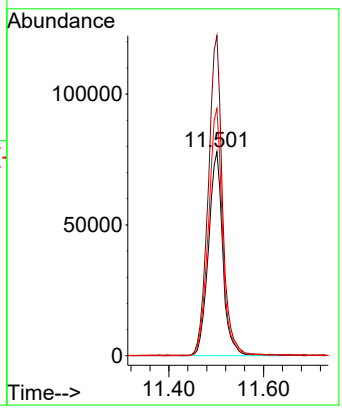




#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:113 Resp: 16321

Ion	Ratio	Lower	Upper
113	100		
55	156.9	140.0	180.0
56	121.2	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
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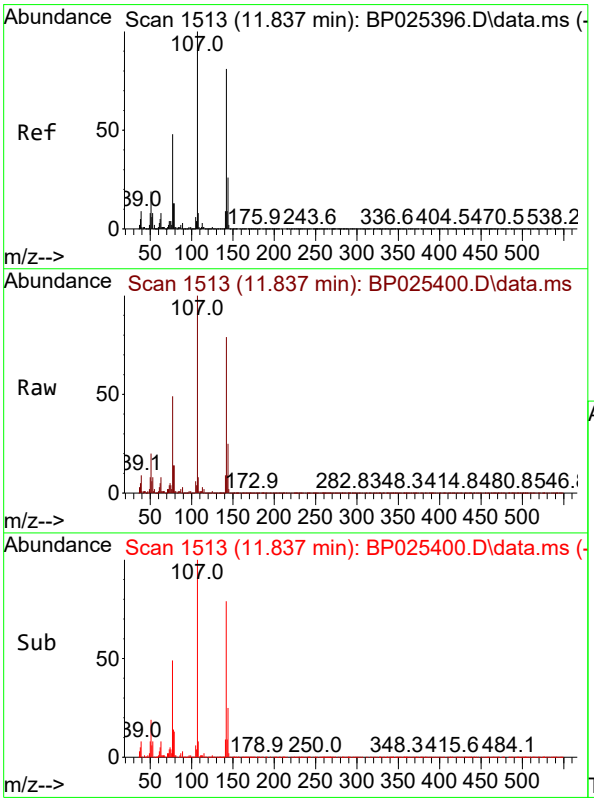
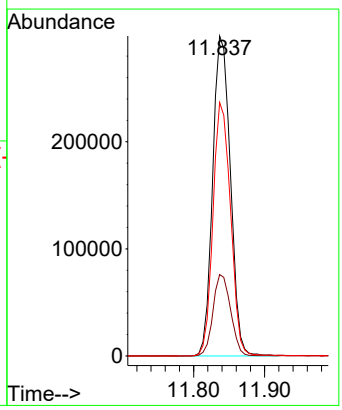
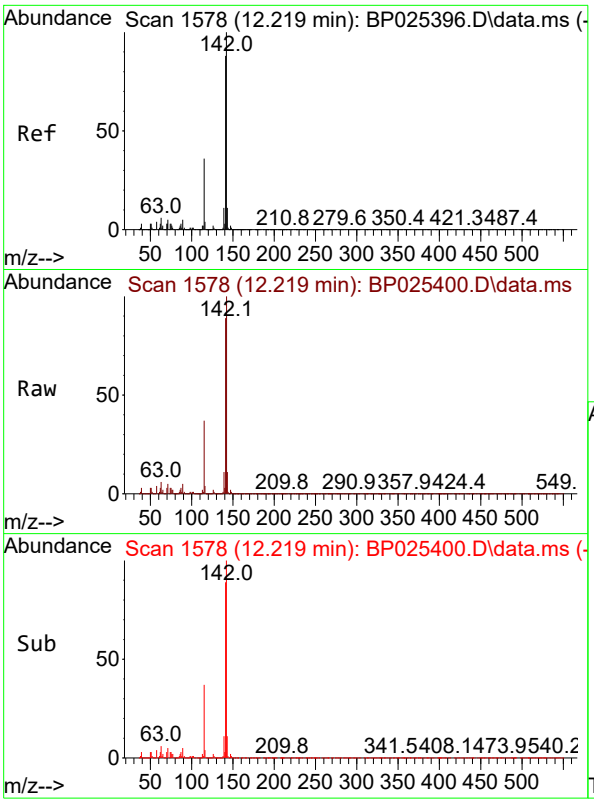


#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 517126

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	79.2	64.6	97.0

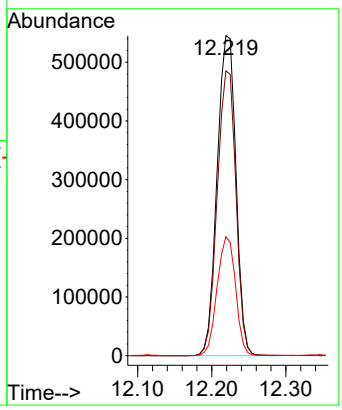




#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 96014

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	37.2	28.9	43.3



Instrument :
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ClientSampleId :
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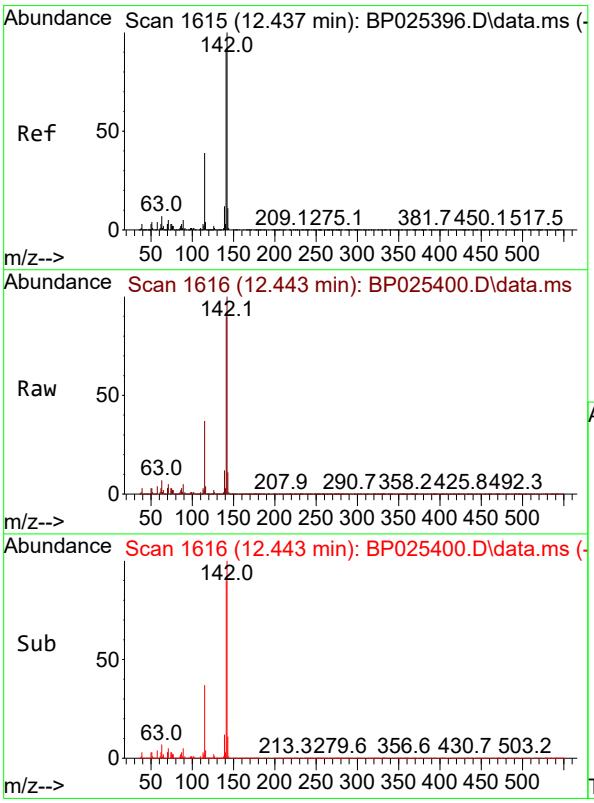
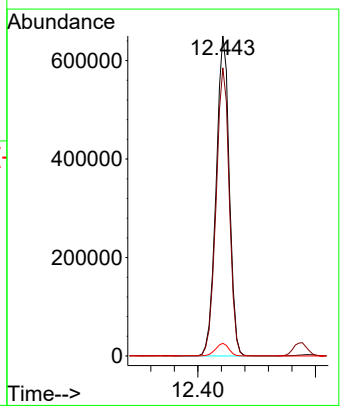
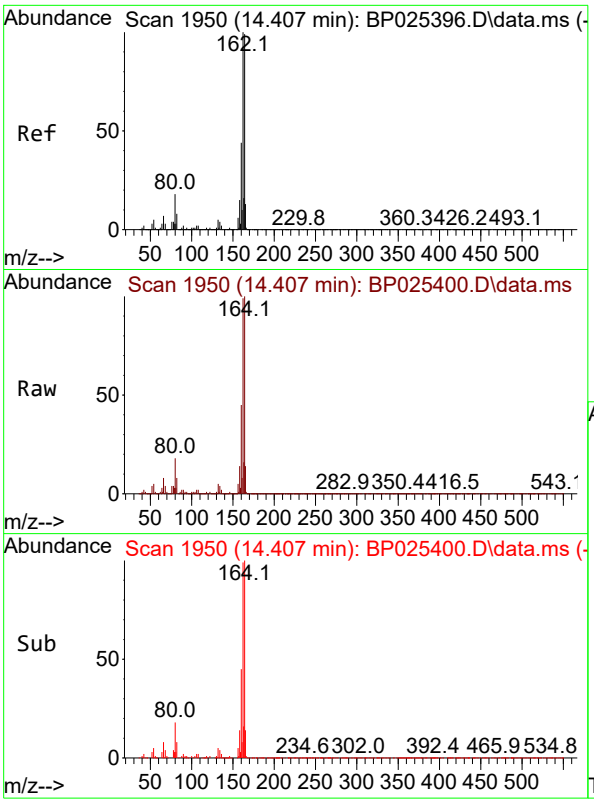


#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 1012844

Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.1	109.7
116	3.9	3.2	4.8

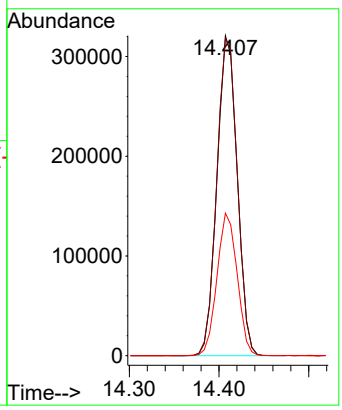




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:164 Resp: 50323

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.6
160	44.5	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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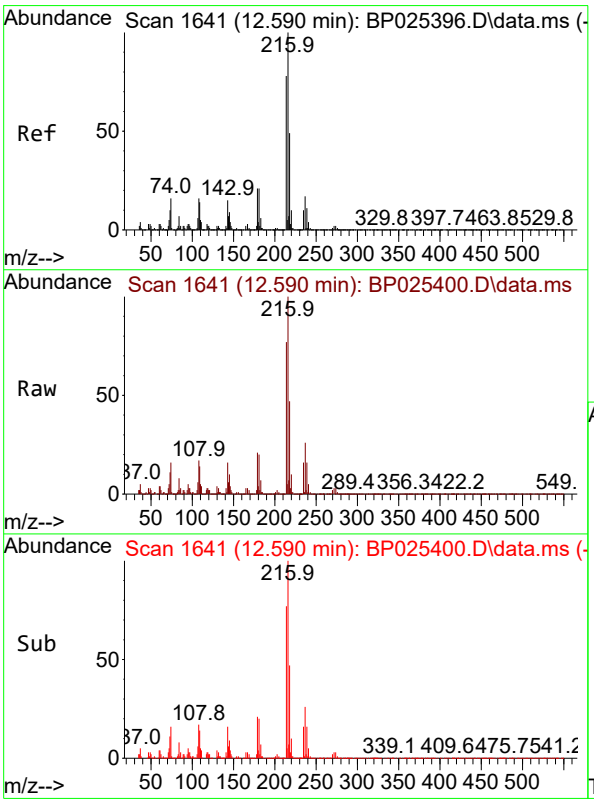
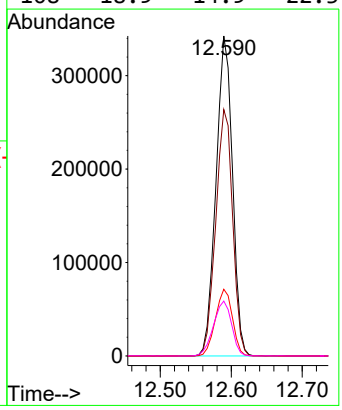
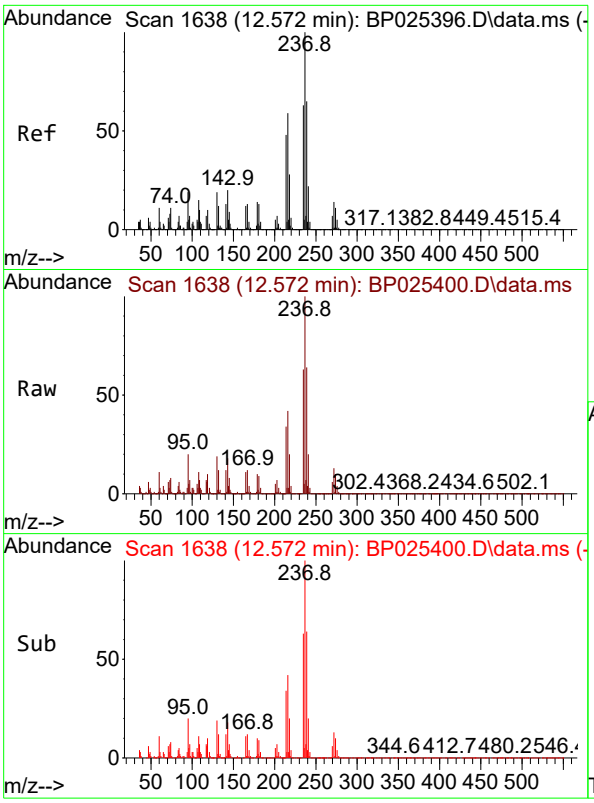


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:216 Resp: 550777

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.4	17.1	25.7
108	18.9	14.9	22.3

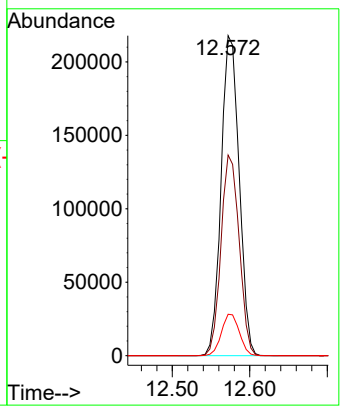




#41
Hexachlorocyclopentadiene
Concen: 40.074 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:237 Resp: 35181

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	13.0	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
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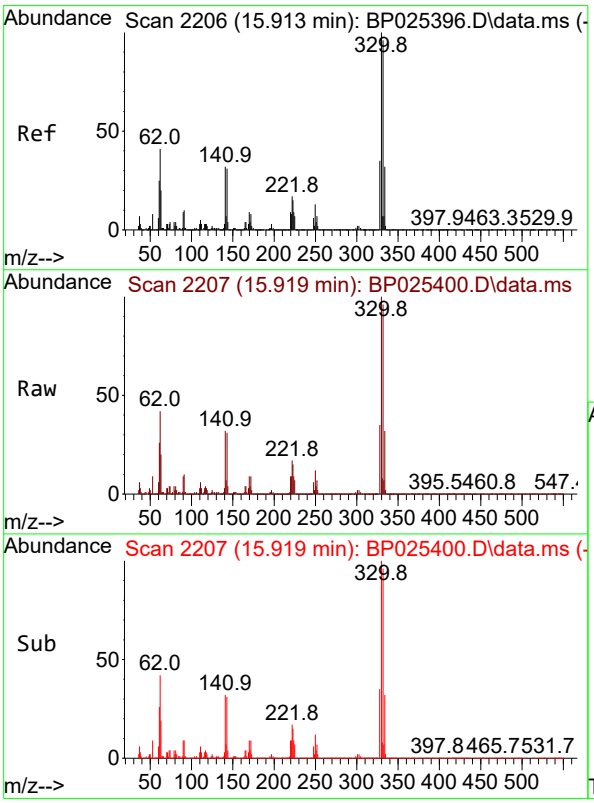
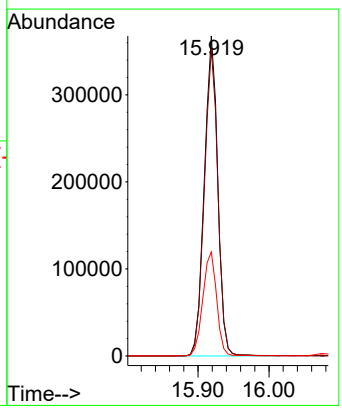
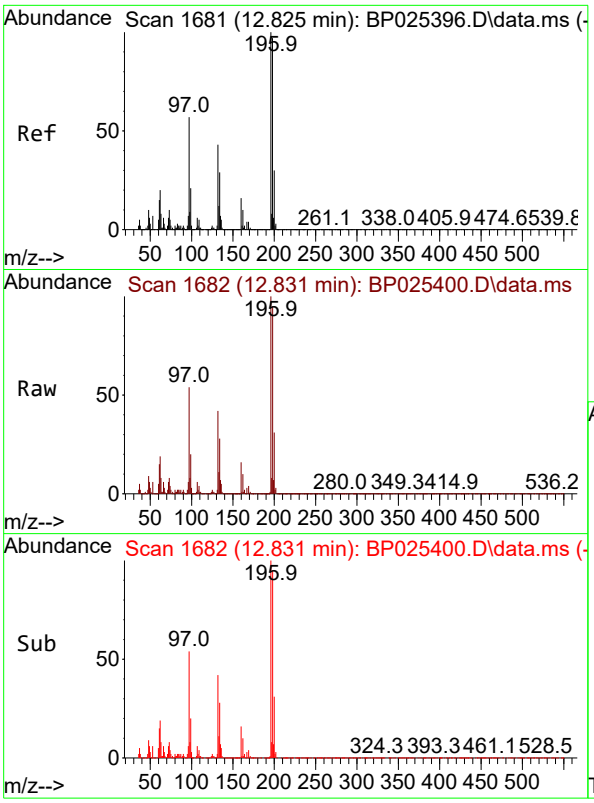


#42
2,4,6-Tribromophenol
Concen: 71.582 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:330 Resp: 484870

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	33.4	26.6	39.8

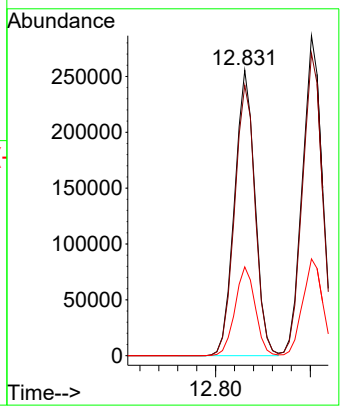




#43
2,4,6-Trichlorophenol
Concen: 38.972 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 38239

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.1	23.9	35.9



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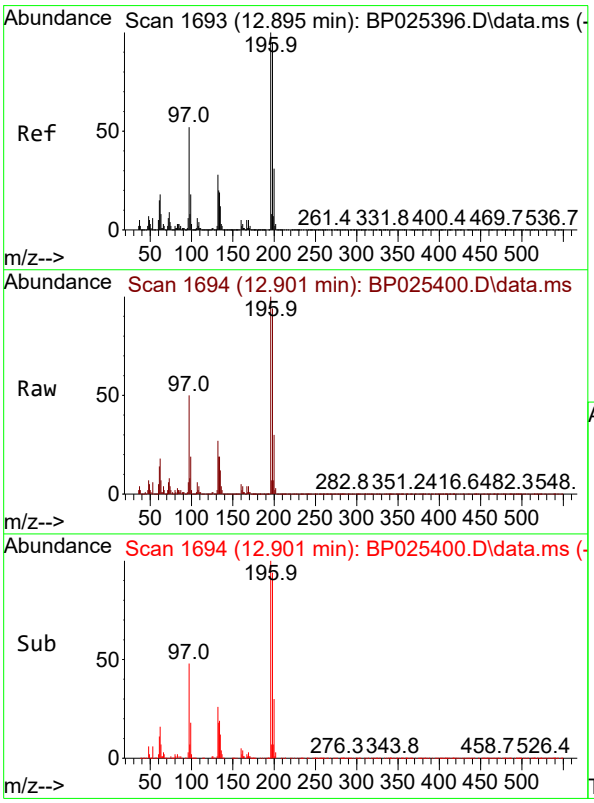
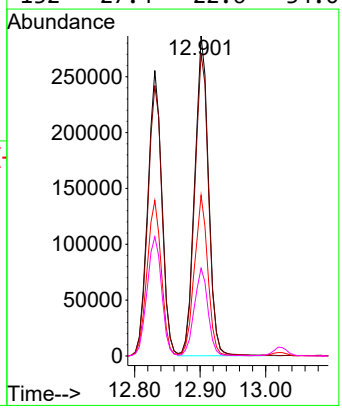
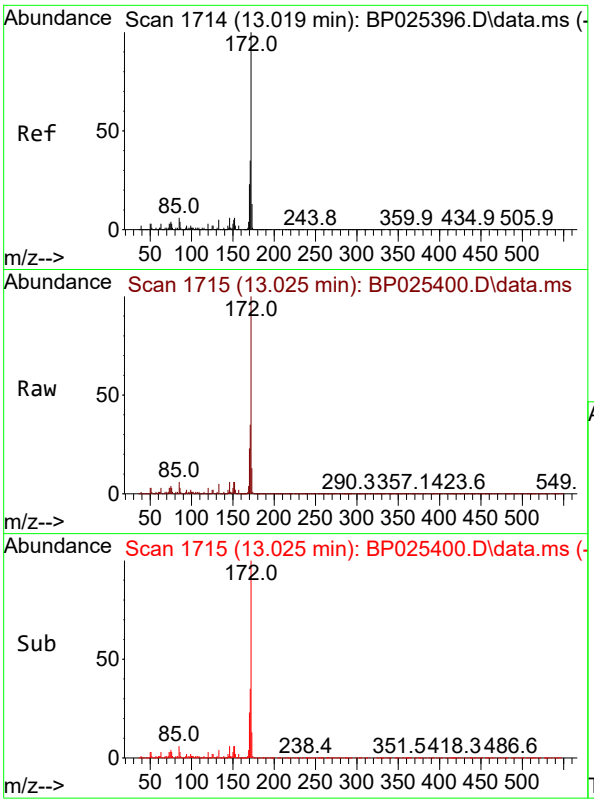


#44
2,4,5-Trichlorophenol
Concen: 39.108 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
97	50.2	41.2	61.8
132	27.4	22.6	34.0

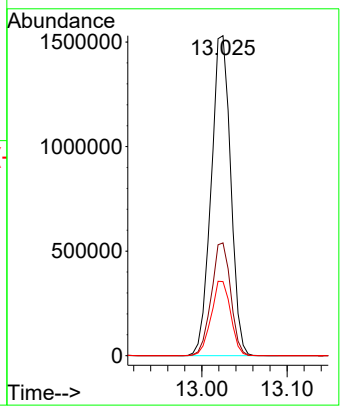




#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:172 Resp: 243082

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.1	18.6	28.0



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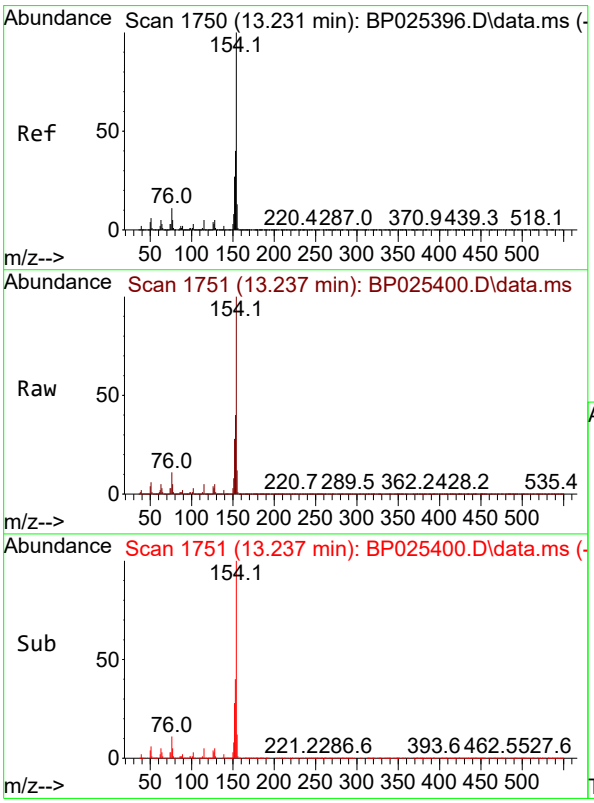
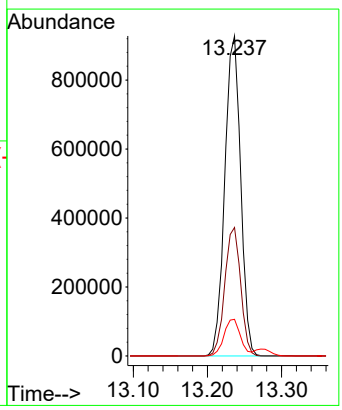
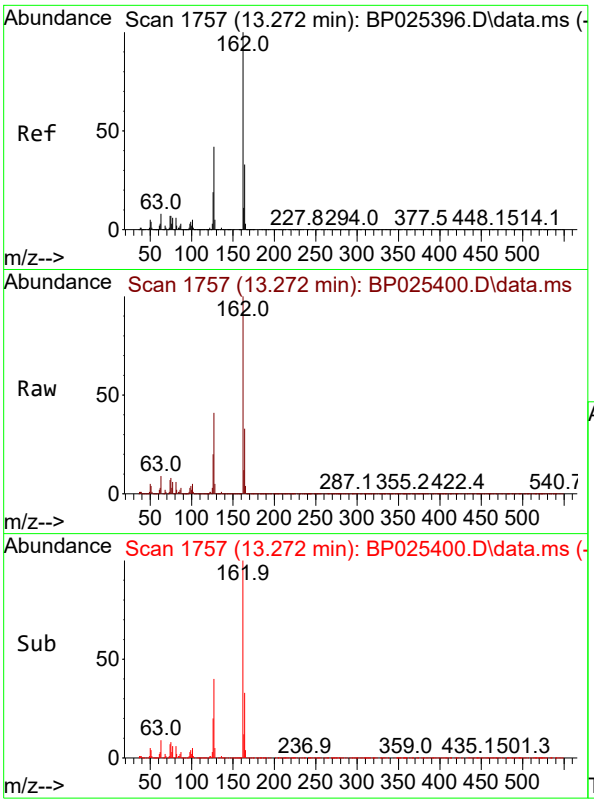


#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1376834

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.4	0.0	31.1

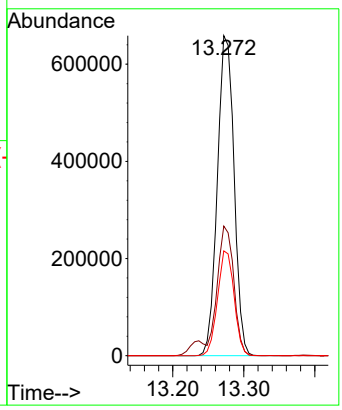




#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:162 Resp: 107214

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.8	26.2	39.2



Instrument :
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ClientSampleId :
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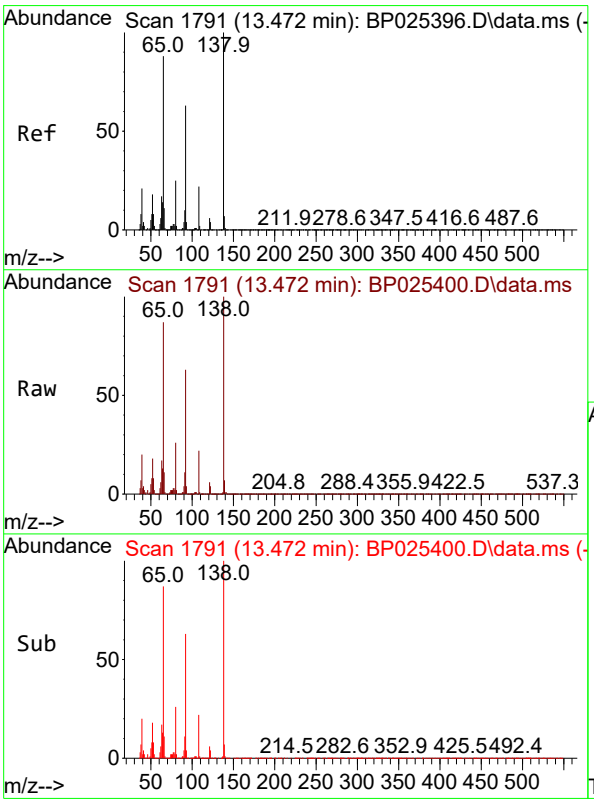
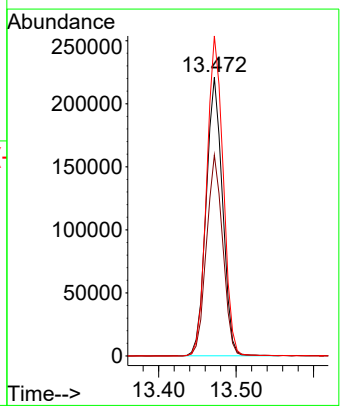
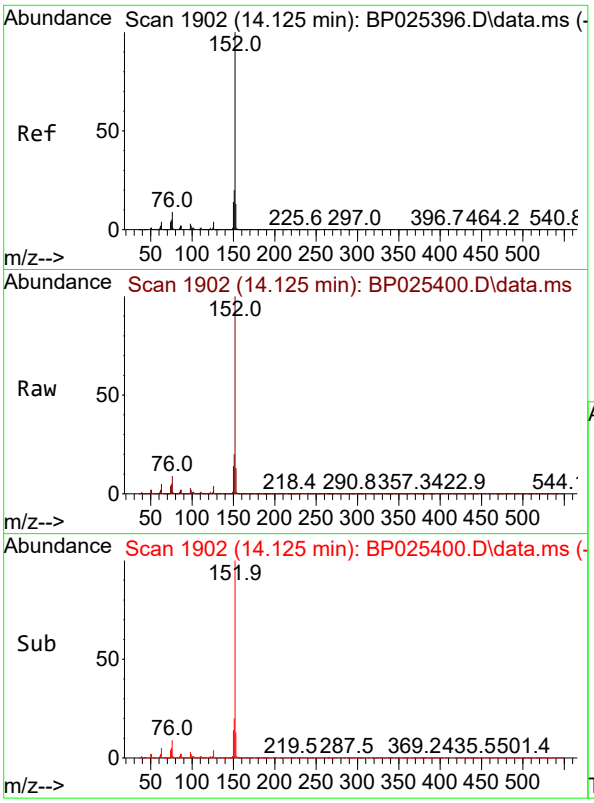


#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 65 Resp: 323995

Ion	Ratio	Lower	Upper
65	100		
92	72.2	57.6	86.4
138	114.9	91.0	136.6

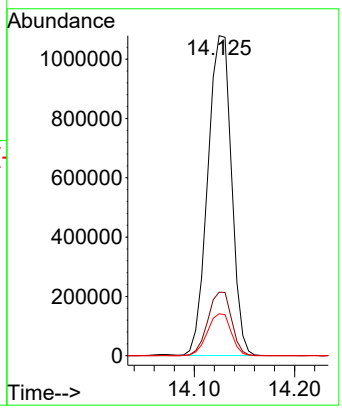




#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:152 Resp: 177589

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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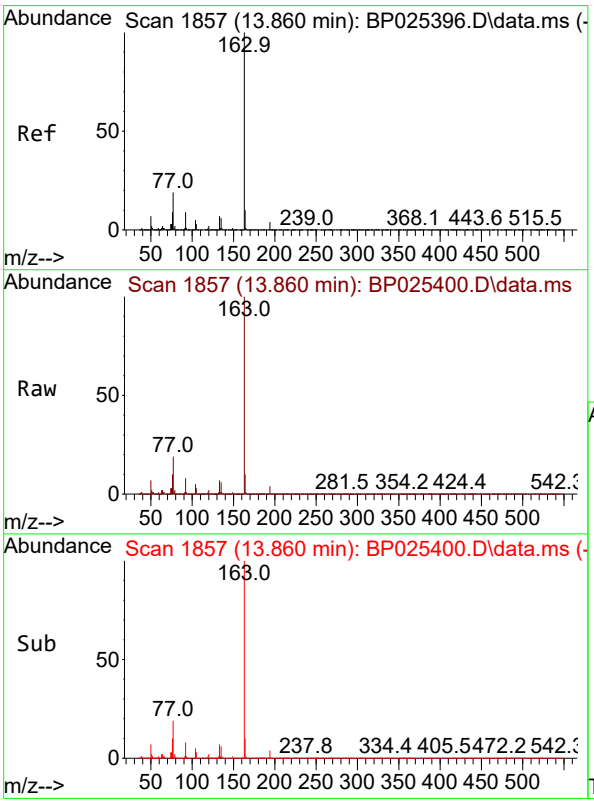
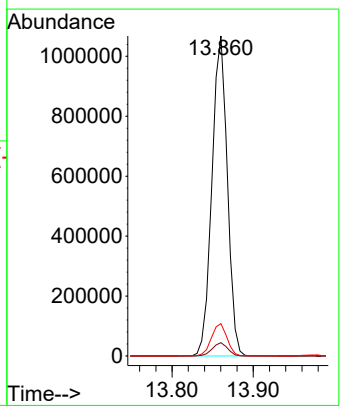
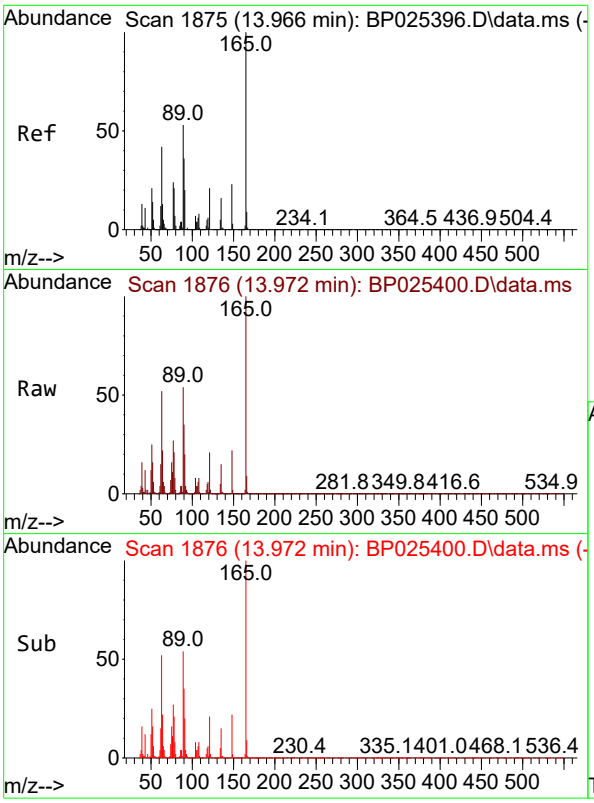


#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:163 Resp: 1406620

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	7.9	11.9

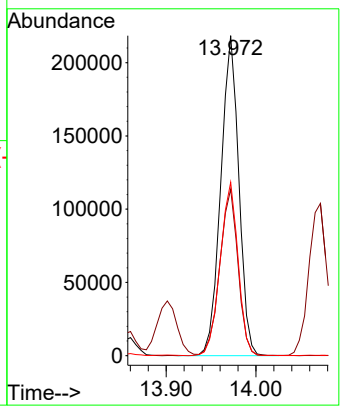




#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:165 Resp: 30456

Ion	Ratio	Lower	Upper
165	100		
63	52.1	40.9	61.3
89	54.2	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
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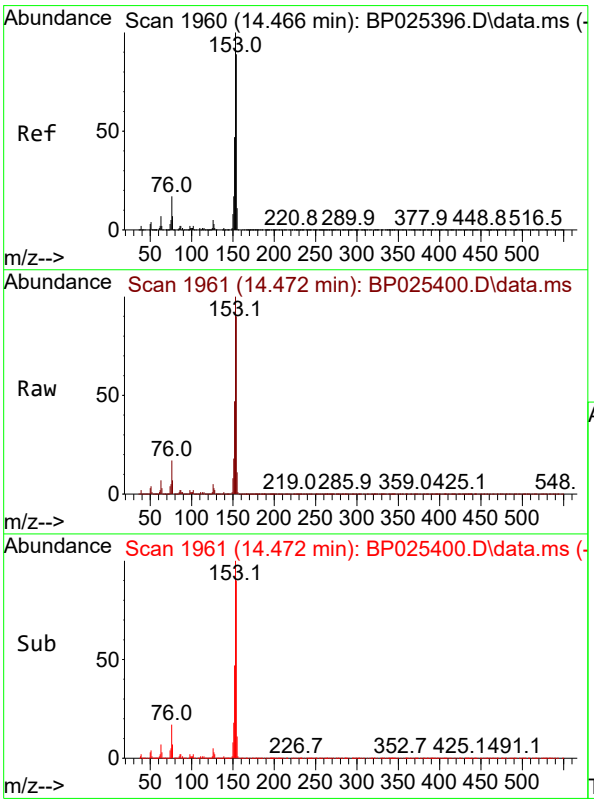
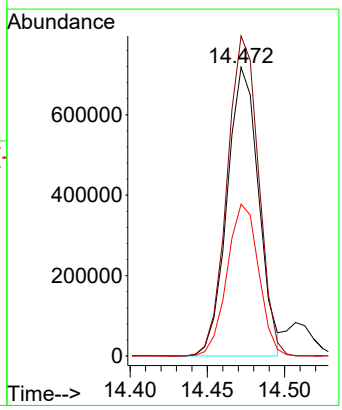
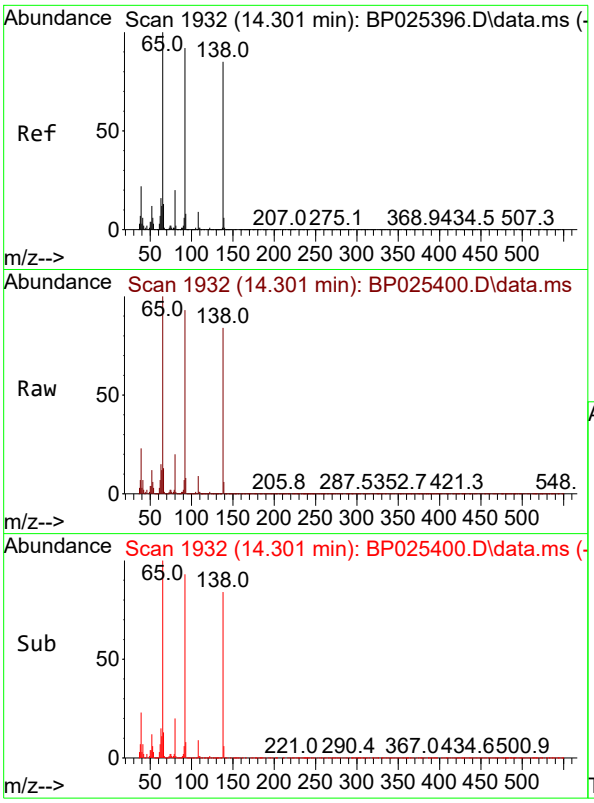


#52
Acenaphthene
Concen: 36.837 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1018011

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.2	135.2
152	52.6	42.1	63.1

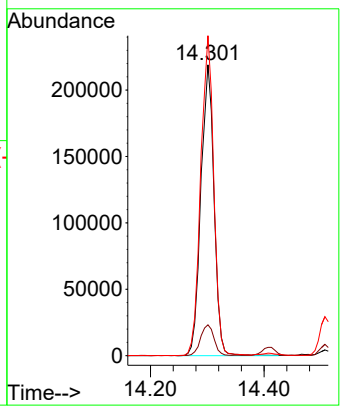




#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 34979

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	110.0	86.2	129.2



Instrument :
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ClientSampleId :
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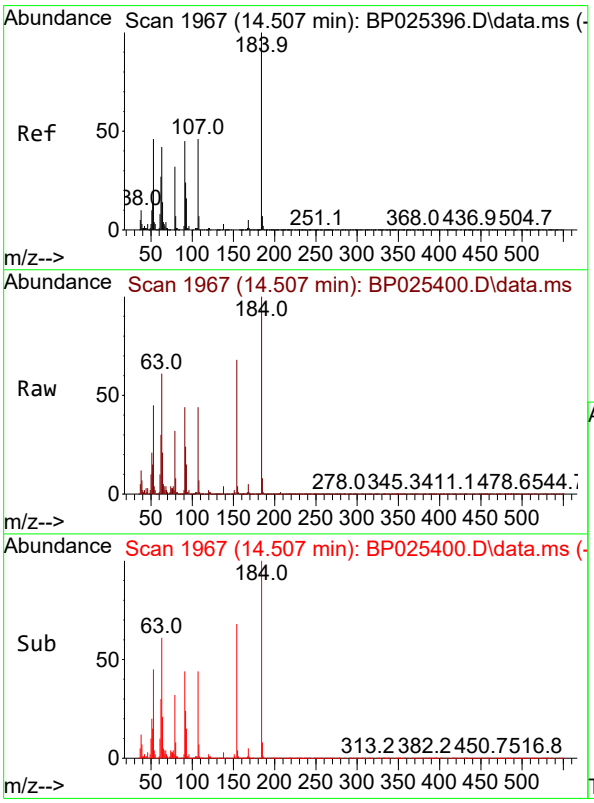
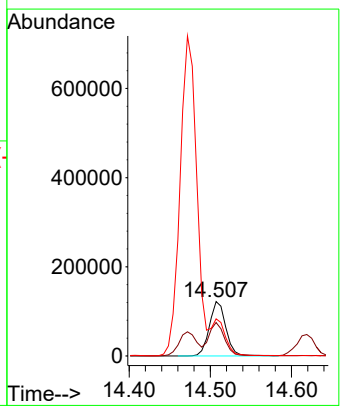
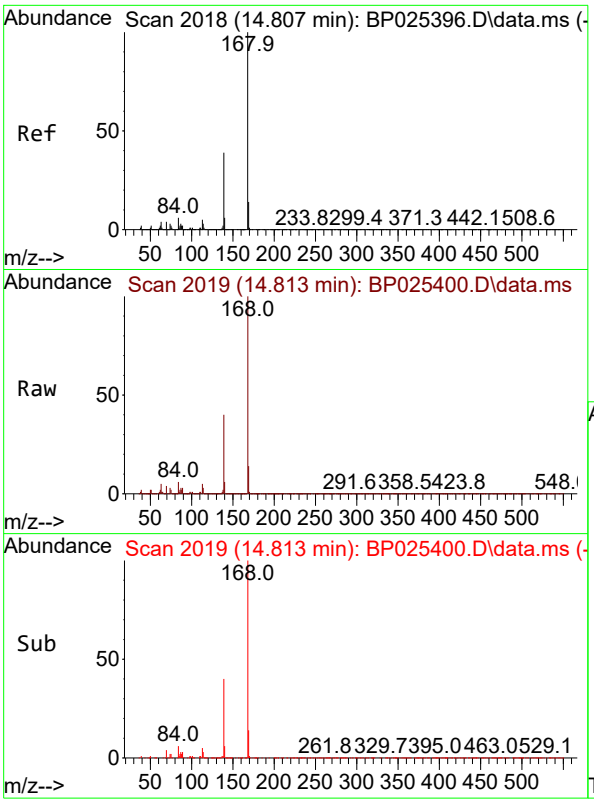


#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743

Ion	Ratio	Lower	Upper
184	100		
63	61.3	49.4	74.2
154	68.1	54.6	82.0

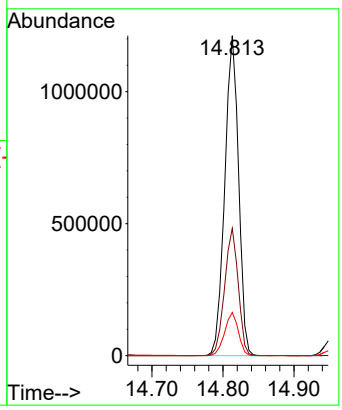




#55
Dibenzofuran
Concen: 37.324 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:168 Resp: 163074

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.5	47.3
169	13.5	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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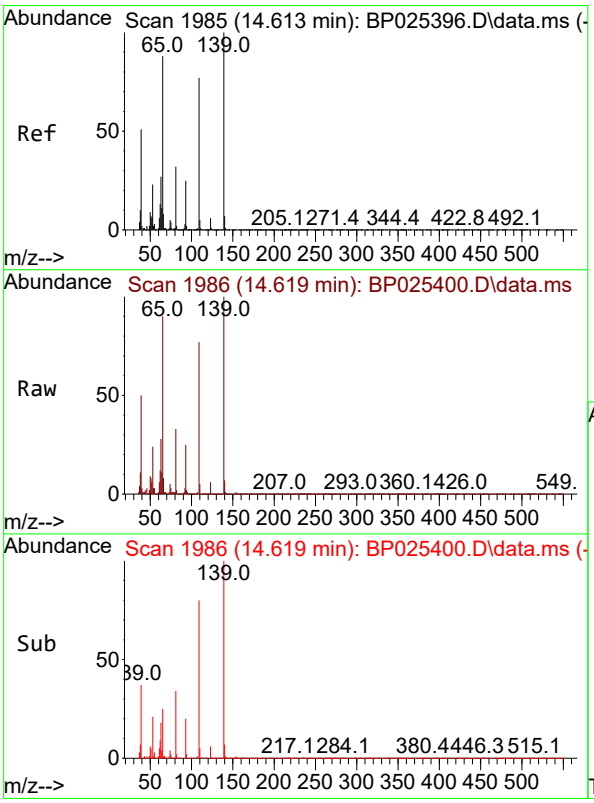
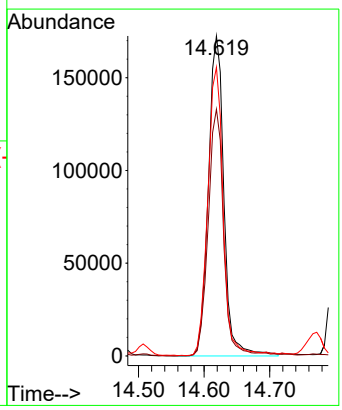
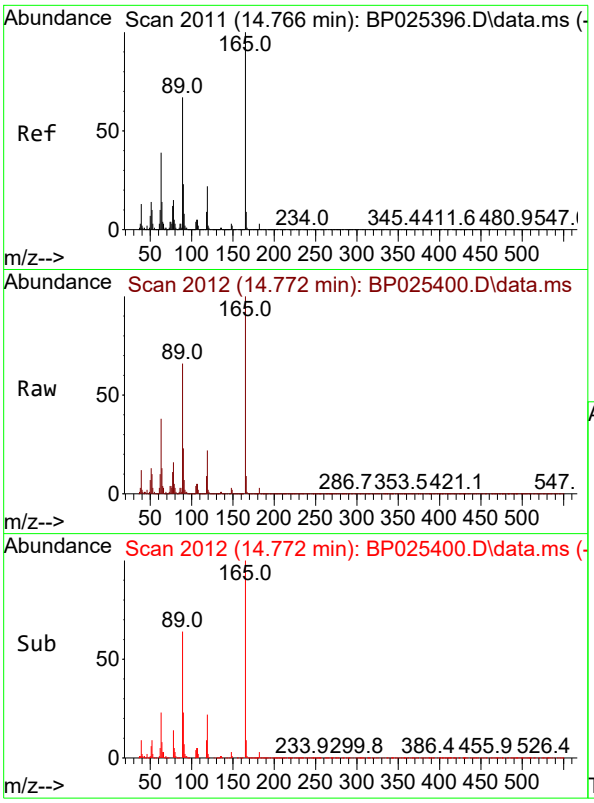


#56
4-Nitrophenol
Concen: 39.630 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 284585

Ion	Ratio	Lower	Upper
139	100		
109	77.1	56.6	96.6
65	90.2	68.2	108.2

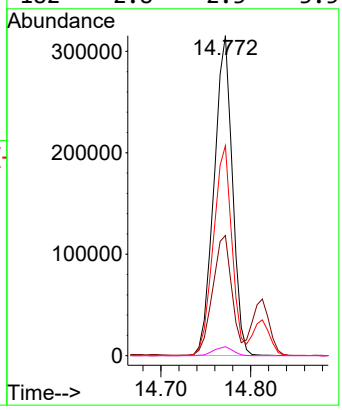




#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:165 Resp: 44814

Ion	Ratio	Lower	Upper
165	100		
63	37.5	31.4	47.2
89	65.6	53.3	79.9
182	2.8	2.3	3.5



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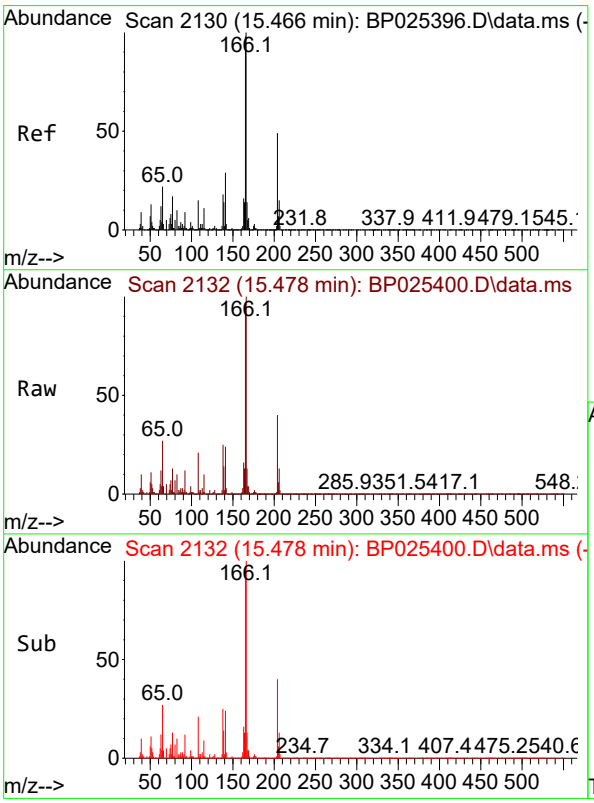
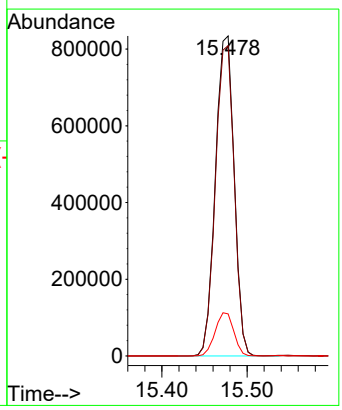
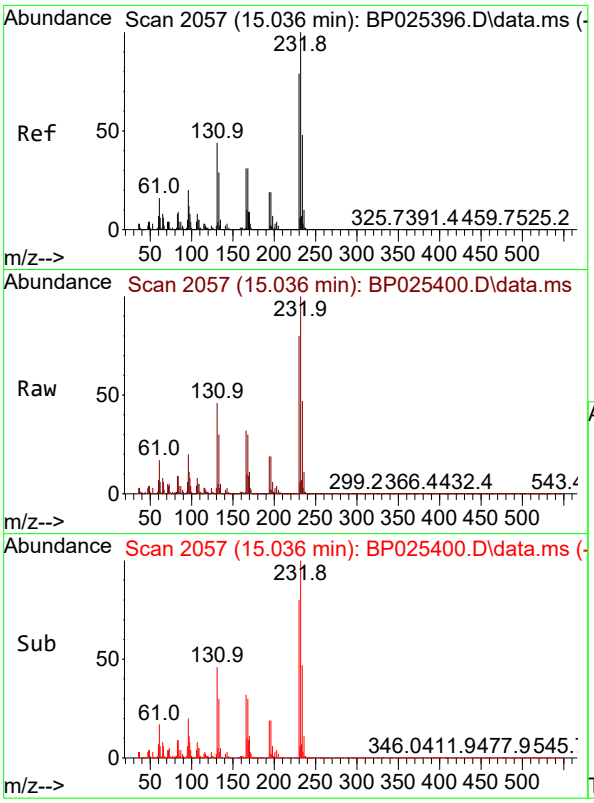


#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:166 Resp: 1275341

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	13.2	11.0	16.4

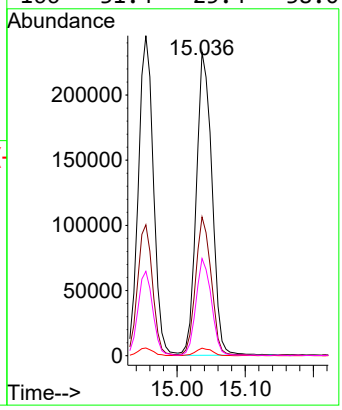




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:232 Resp: 37171

Ion	Ratio	Lower	Upper
232	100		
131	45.3	37.0	55.6
130	2.6	1.9	2.9
166	31.4	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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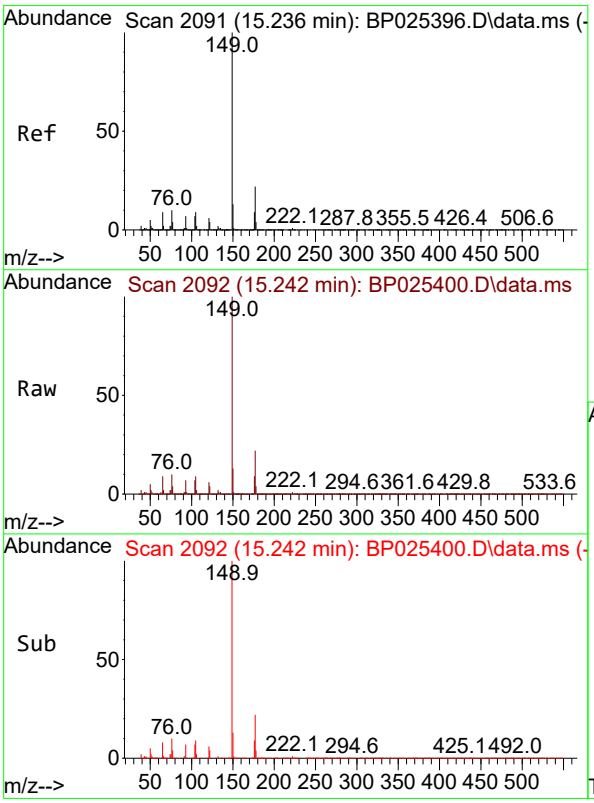
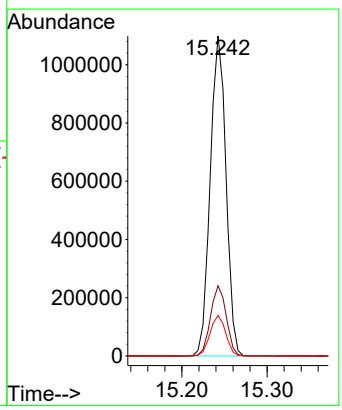
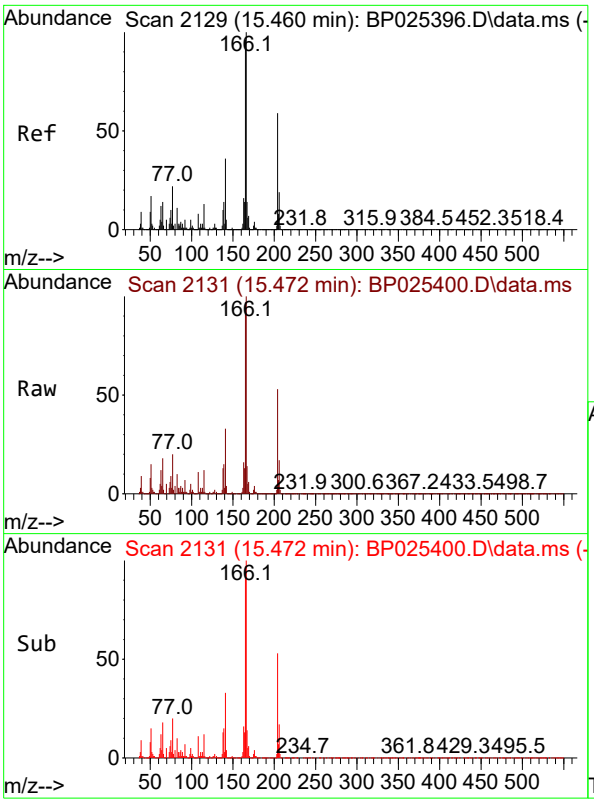


#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1415787

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.7	10.3	15.5

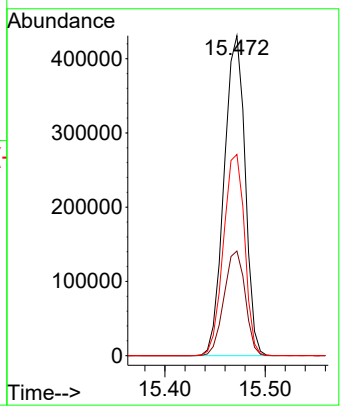




#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:204 Resp: 62747

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.8
141	62.9	49.4	74.2



Instrument :
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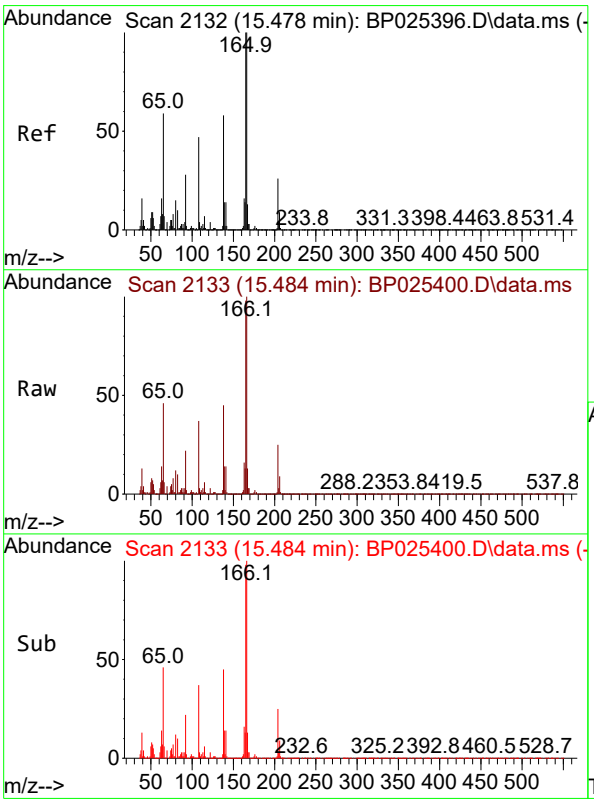
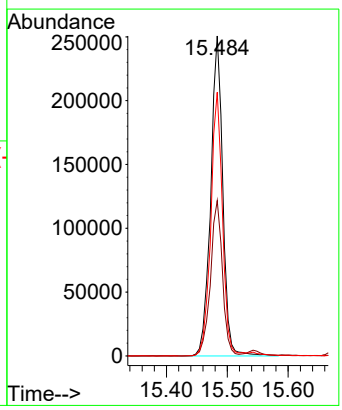
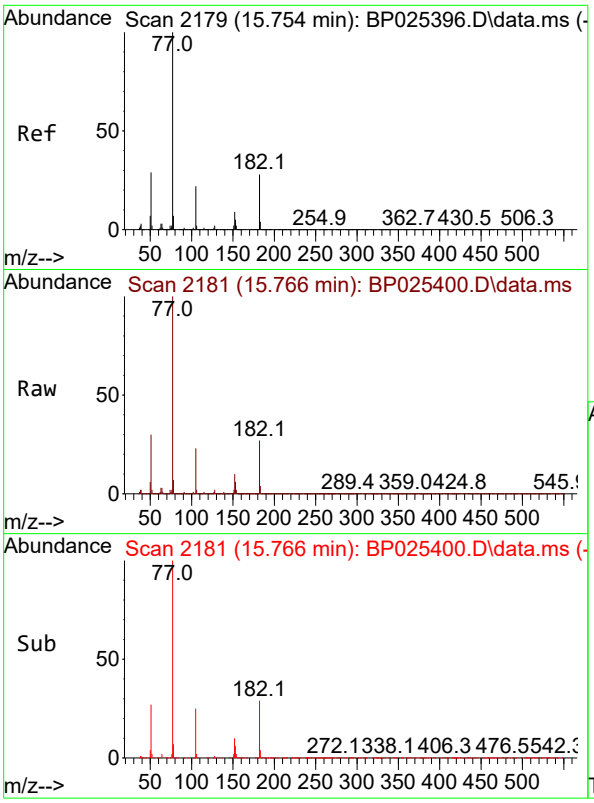


#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 346865

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.1	69.1
108	82.4	61.5	101.5

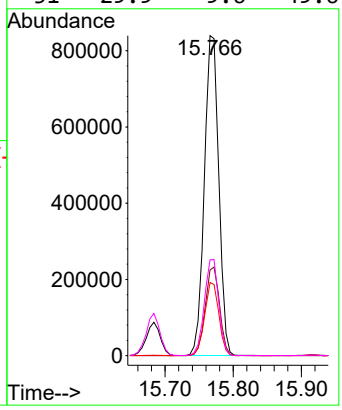




#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 123524

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	22.8	2.1	42.1
51	29.9	9.6	49.6



Instrument :
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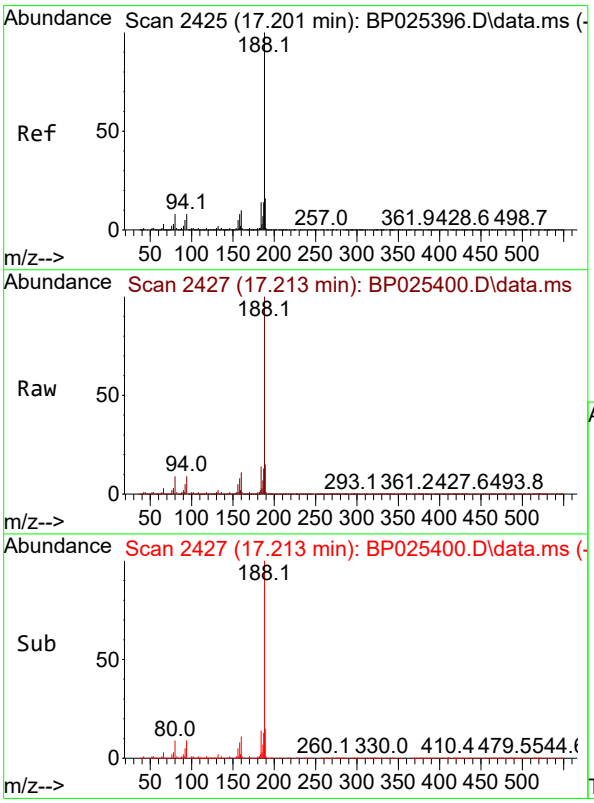
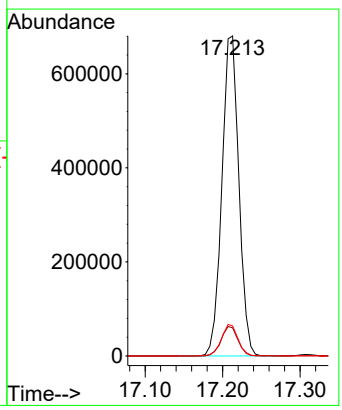
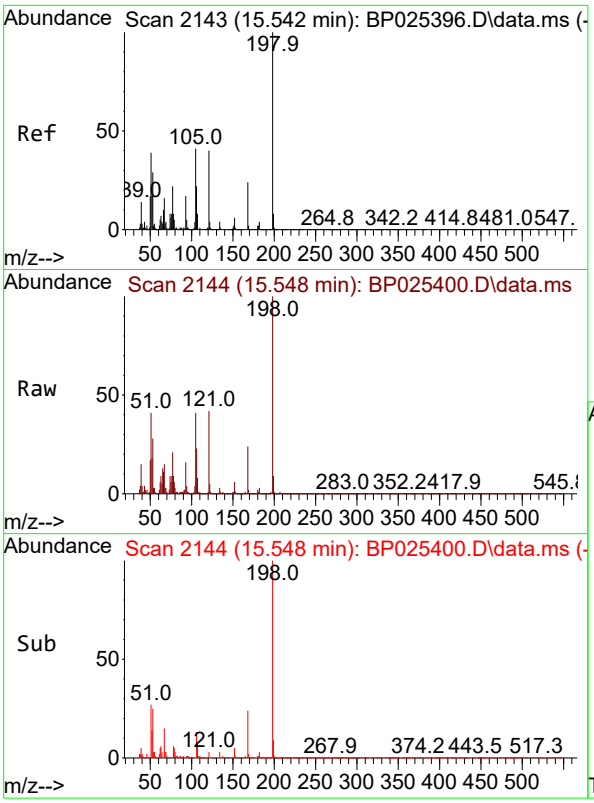


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:188 Resp: 1034378

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.4	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:198 Resp: 25611

Ion	Ratio	Lower	Upper
198	100		
51	40.6	19.6	59.6
105	40.7	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
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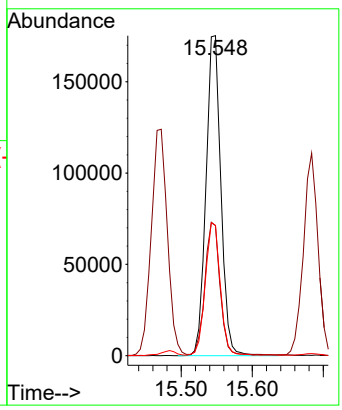
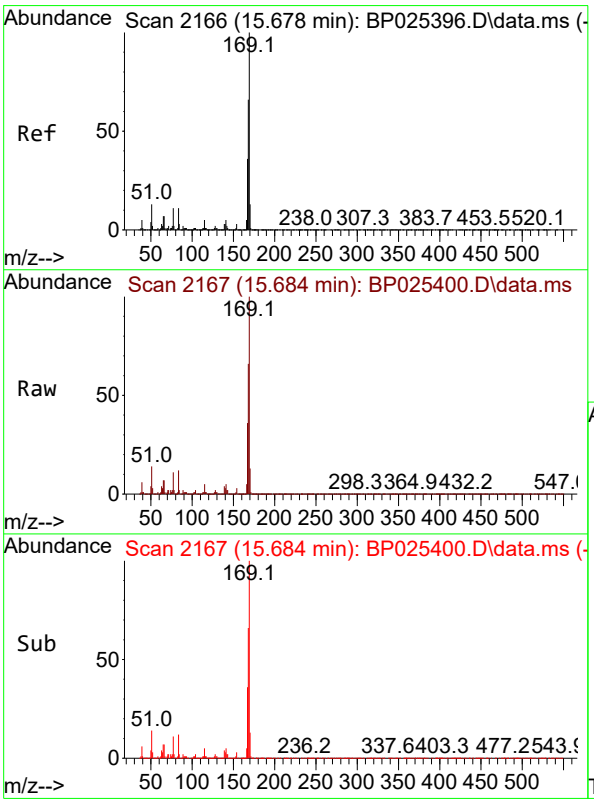
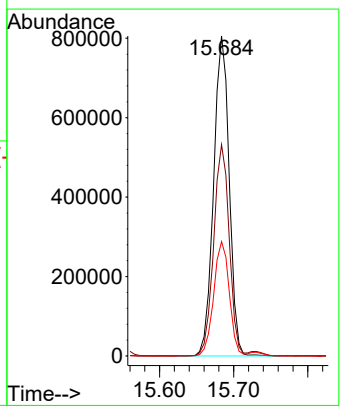


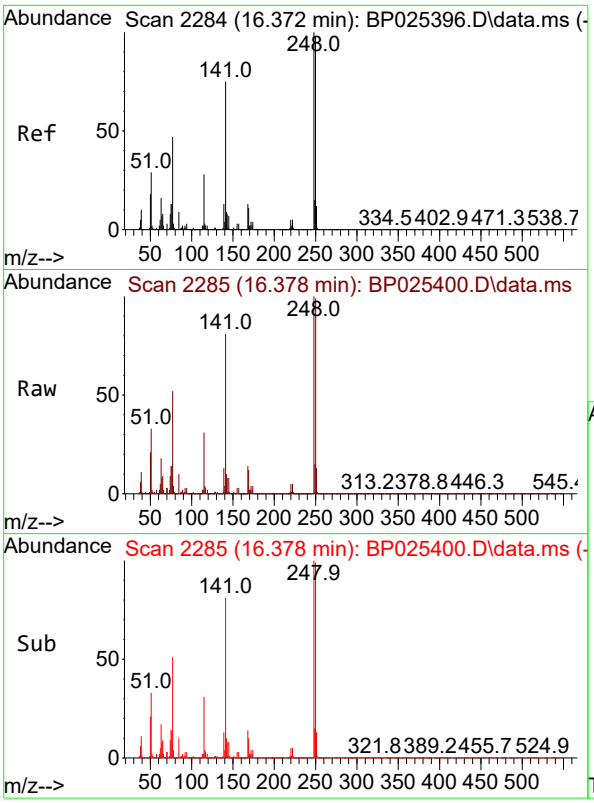


#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.2	79.8
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:248 Resp: 42207

Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.2	117.2
141	81.1	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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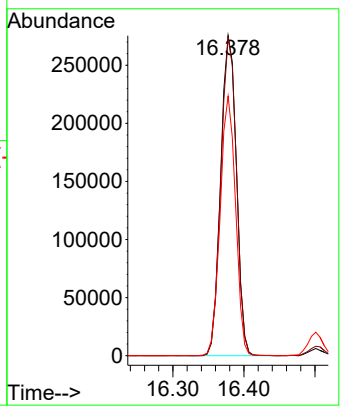
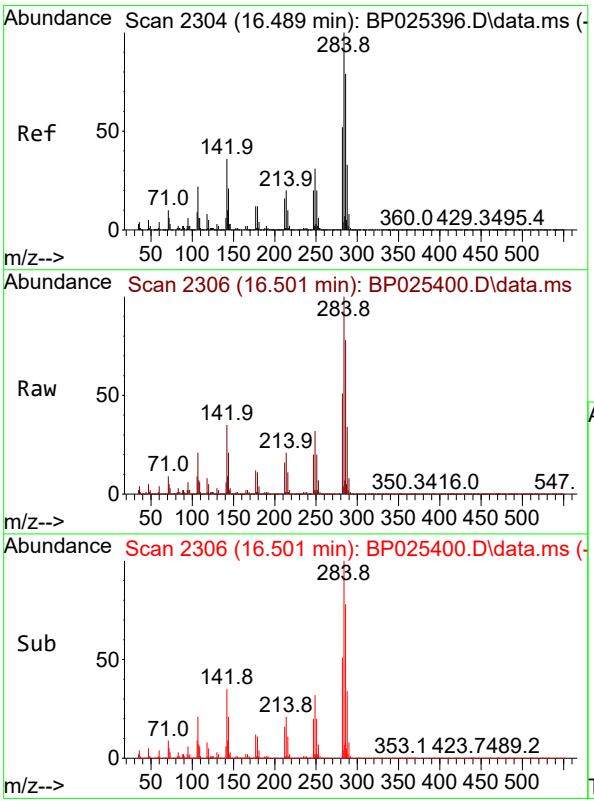
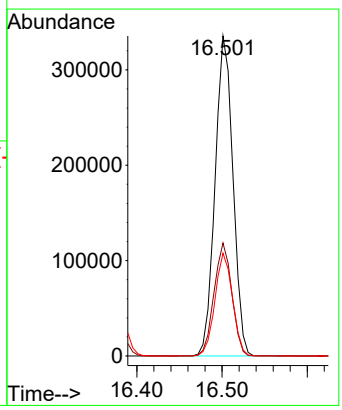


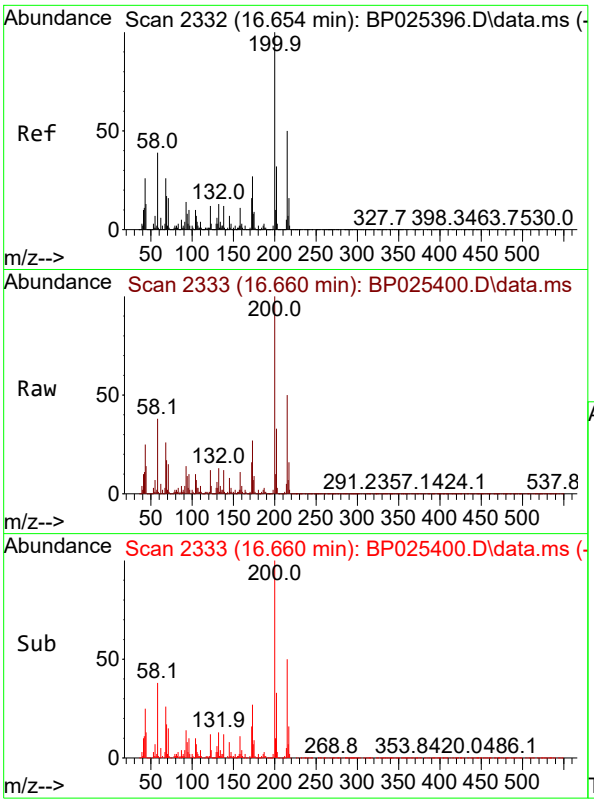


#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:284 Resp: 488749

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.1	43.7
249	32.1	25.0	37.4





#69
Atrazine
Concen: 38.057 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:200 Resp: 44955

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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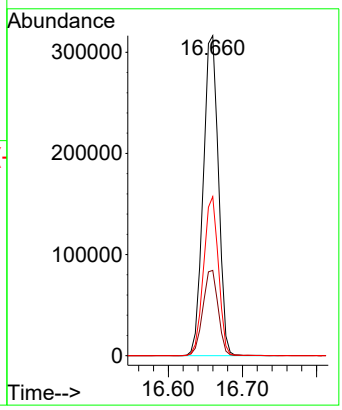
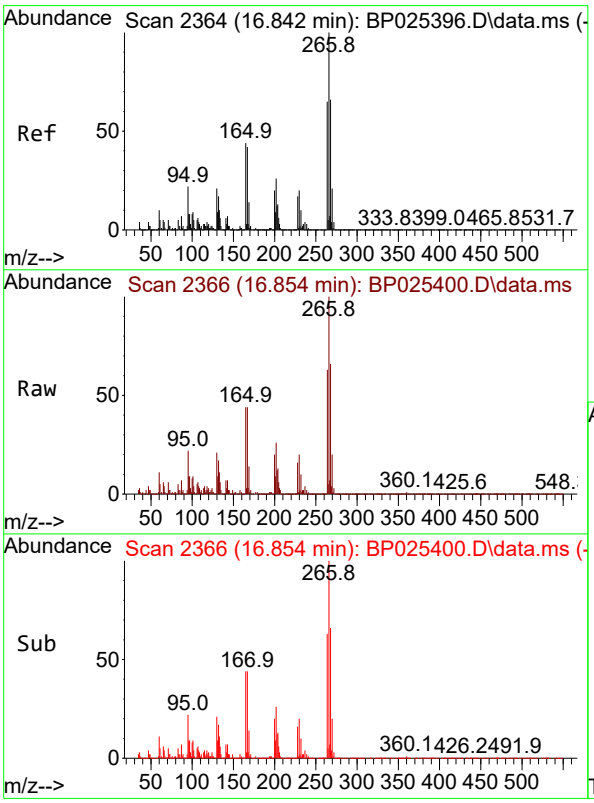
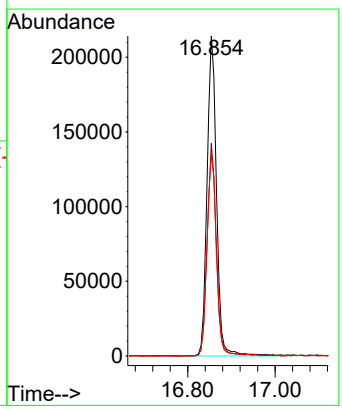


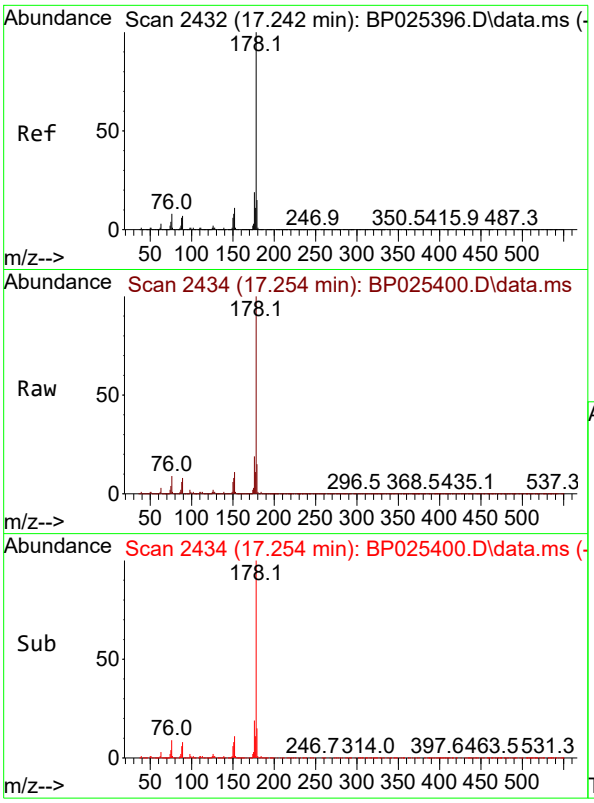


#70
Pentachlorophenol
Concen: 38.733 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:266 Resp: 322435

Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	63.2	52.0	78.0

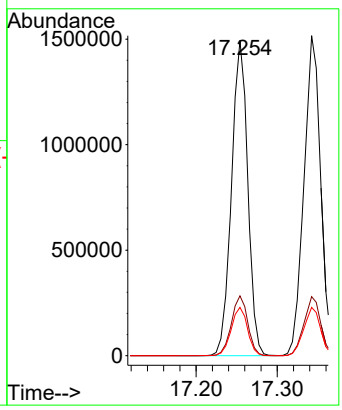




#71
Phenanthrene
Concen: 36.445 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 207087

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4



Instrument :
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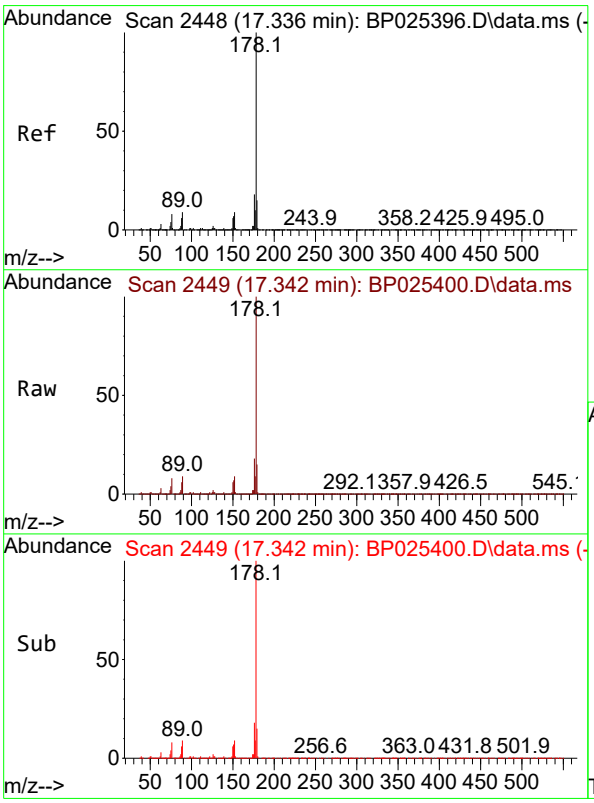
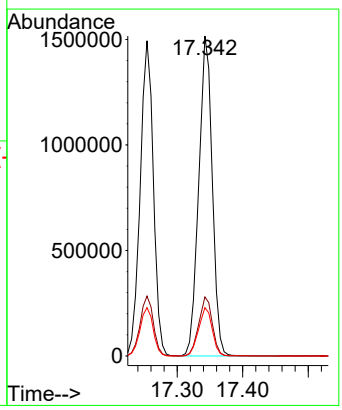
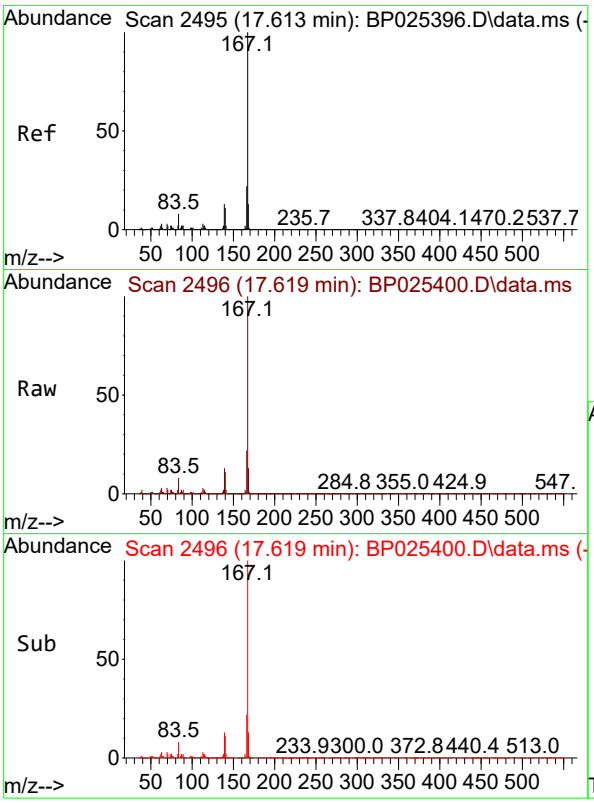


#72
Anthracene
Concen: 37.563 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 2179669

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.2

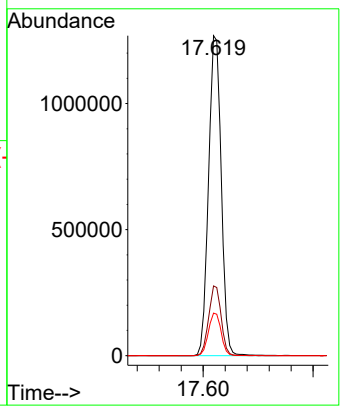




#73
Carbazole
Concen: 37.116 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:167 Resp: 202859

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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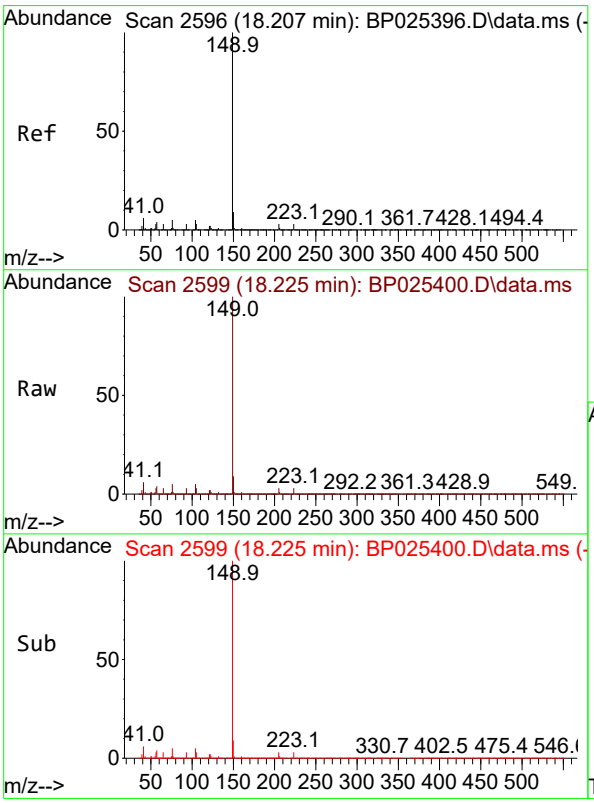
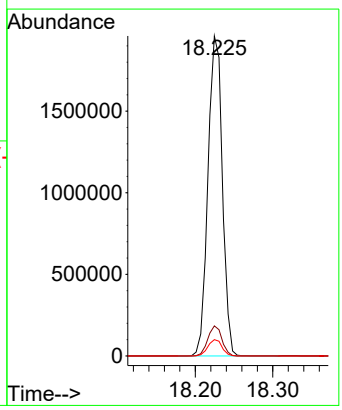
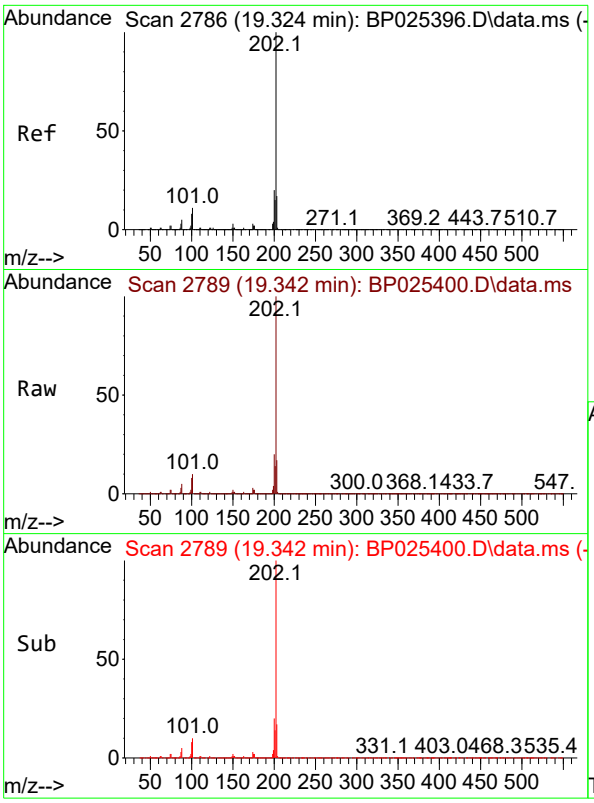


#74
Di-n-butylphthalate
Concen: 37.602 ng
RT: 18.225 min Scan# 2599
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 2528547

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.1	4.2	6.2

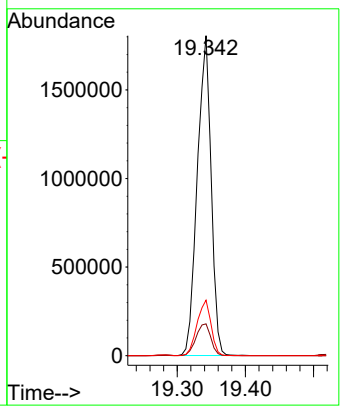




#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 254041

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.4	0.0	37.3



Instrument :
BNA_P
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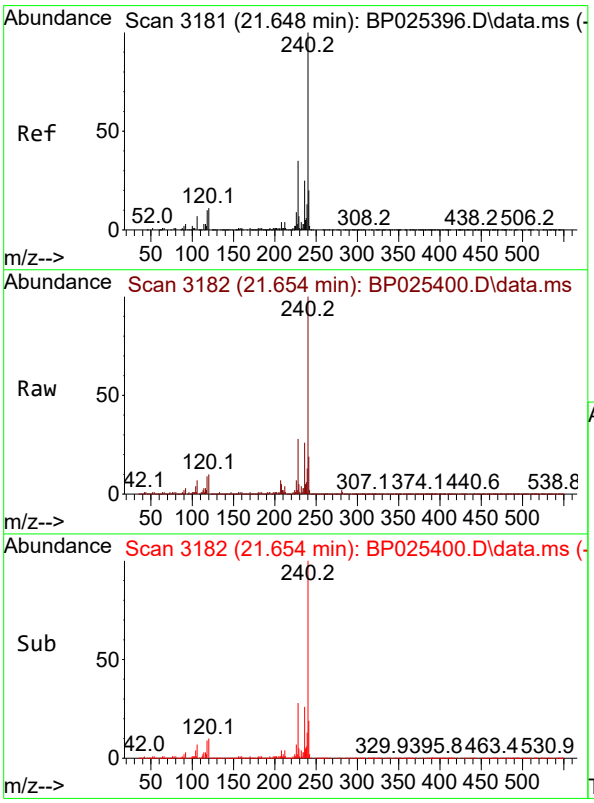
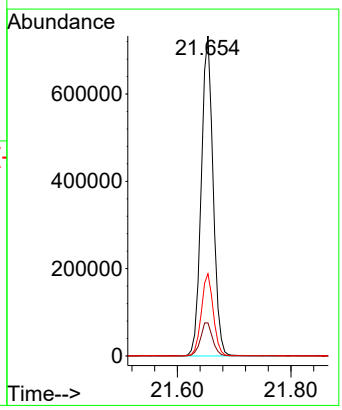
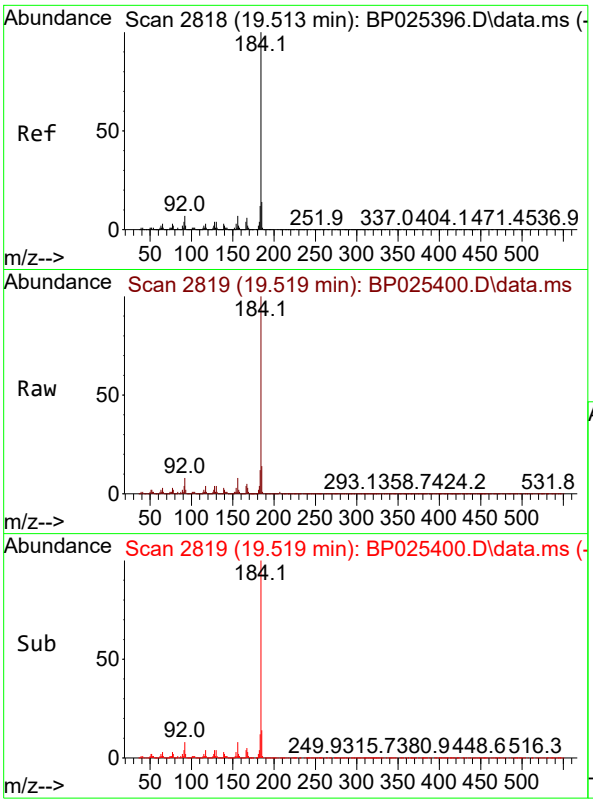


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:240 Resp: 1060337

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.7	19.8	29.8

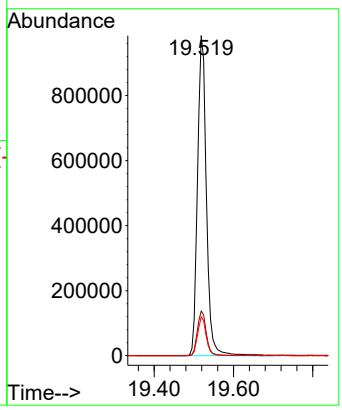




#77
Benzidine
Concen: 42.271 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 152965

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
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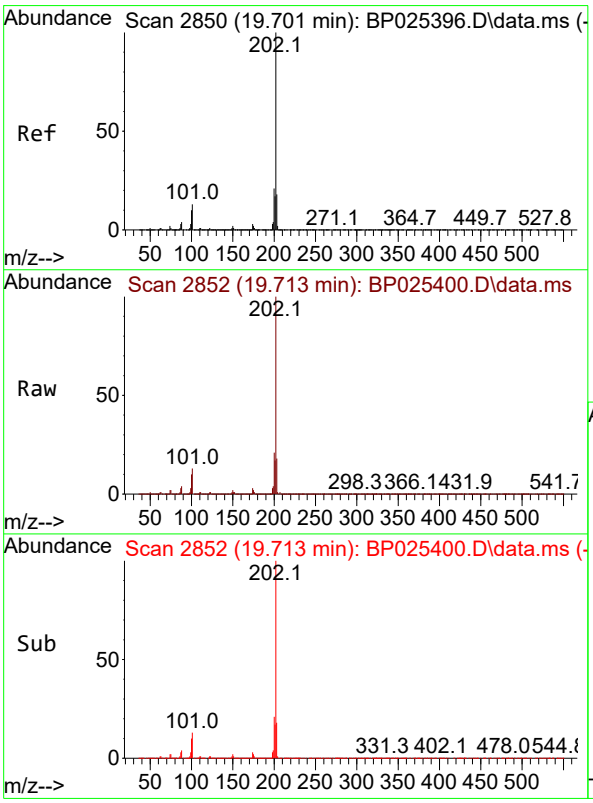
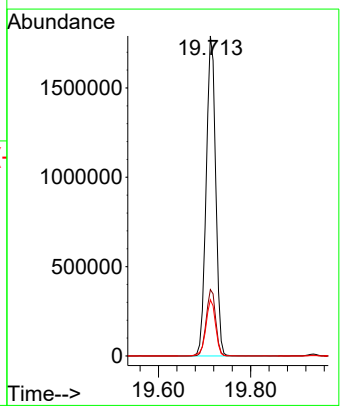
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

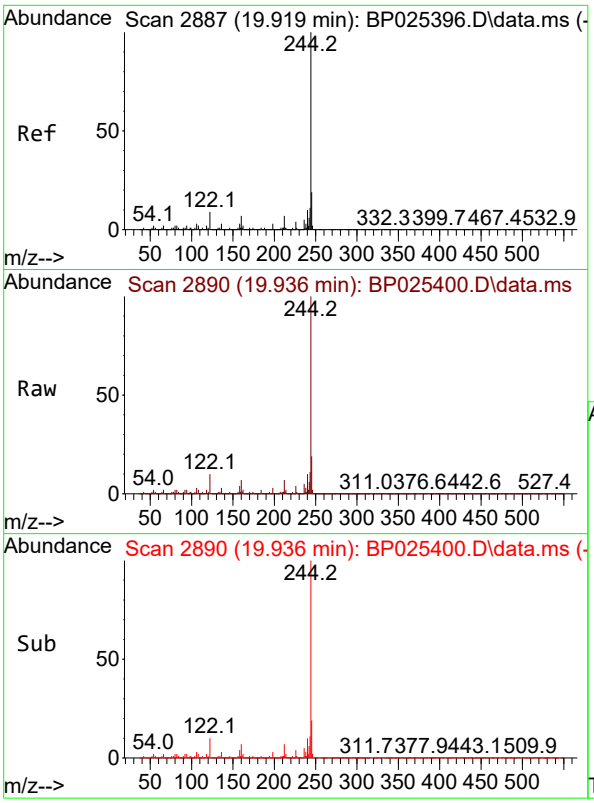


#78
Pyrene
Concen: 37.404 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 2577810

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.5	14.2	21.2

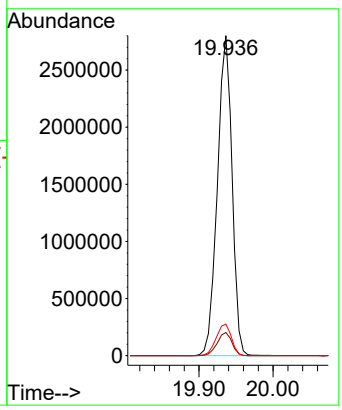




#79
Terphenyl-d14
Concen: 66.399 ng
RT: 19.936 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:244 Resp: 384816

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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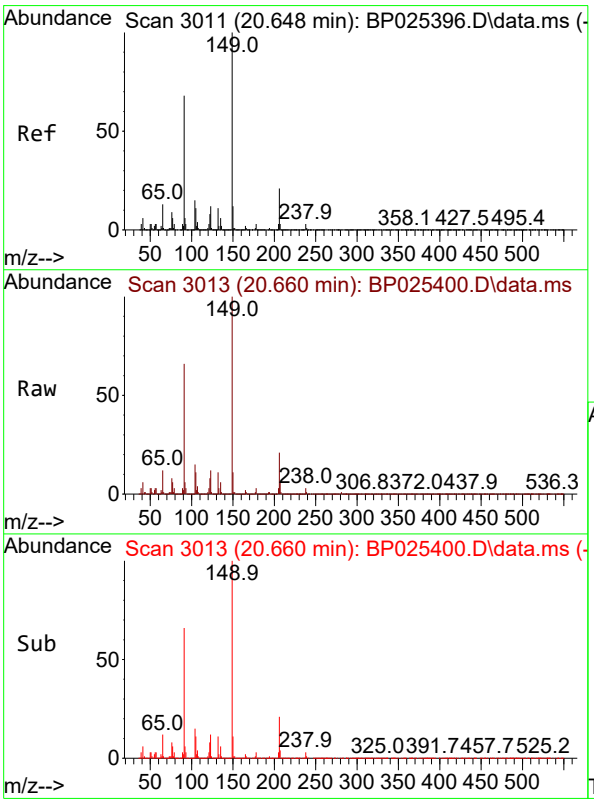
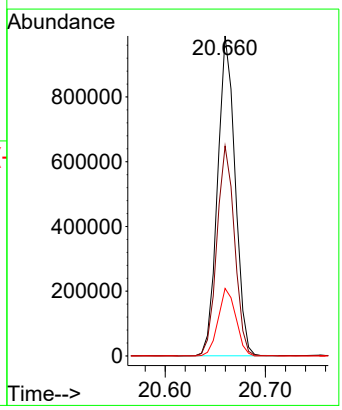
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

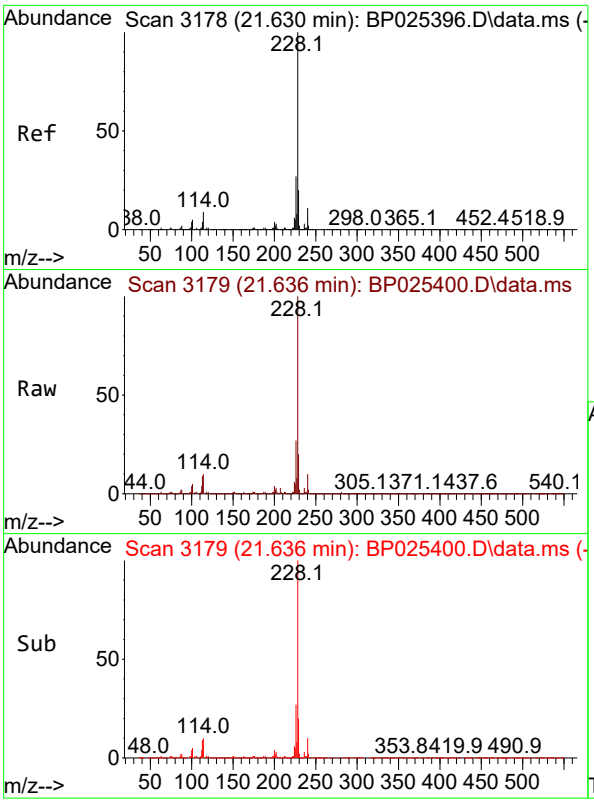


#80
Butylbenzylphthalate
Concen: 38.401 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1199445

Ion	Ratio	Lower	Upper
149	100		
91	65.6	54.2	81.2
206	21.1	16.6	24.8

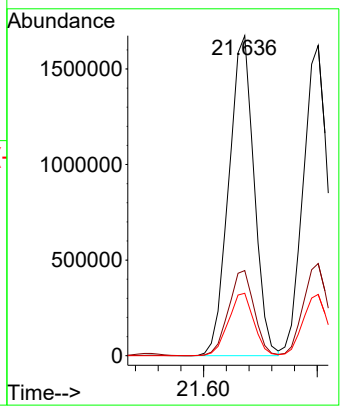




#81
Benzo(a)anthracene
Concen: 36.950 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:228 Resp: 258386

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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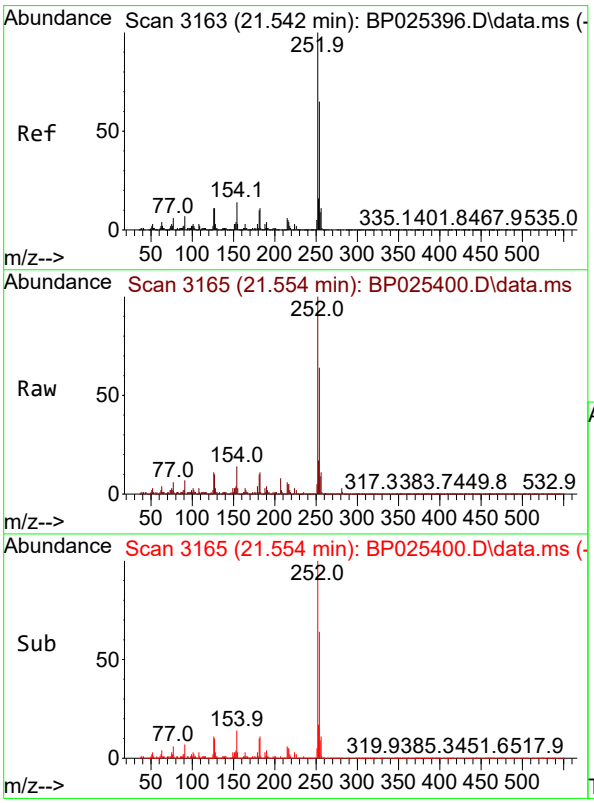
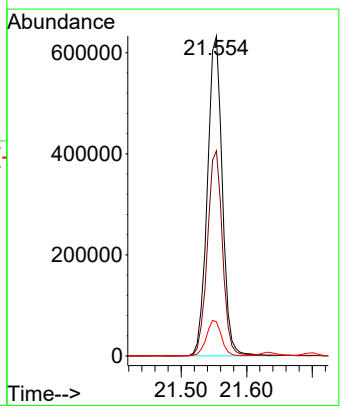
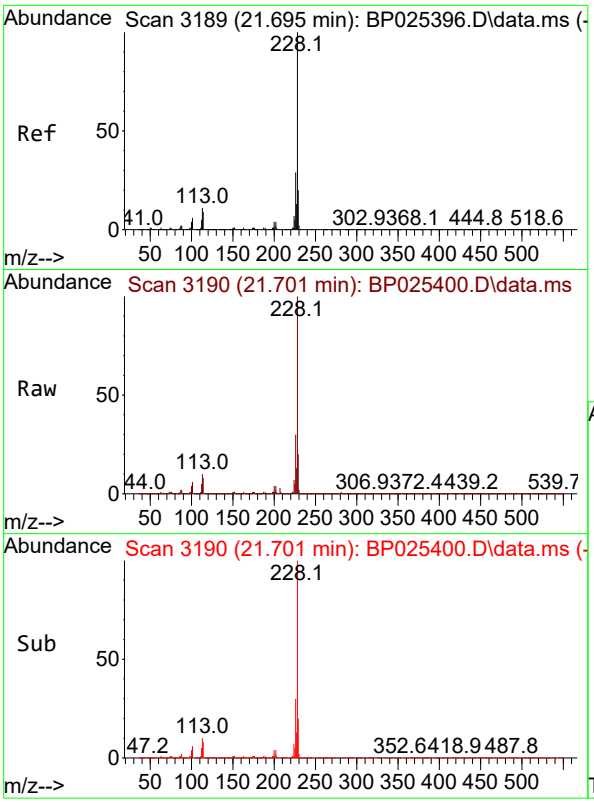


#82
3,3'-Dichlorobenzidine
Concen: 38.038 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 1002597

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	10.7	9.1	13.7





#83
Chrysene
Concen: 37.353 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:228 Resp: 244619

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.7	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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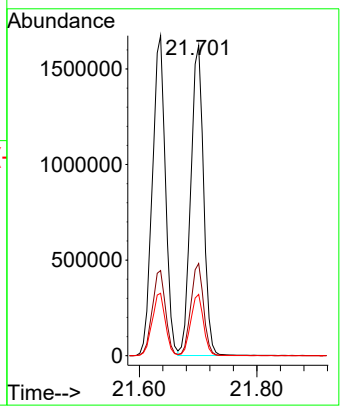
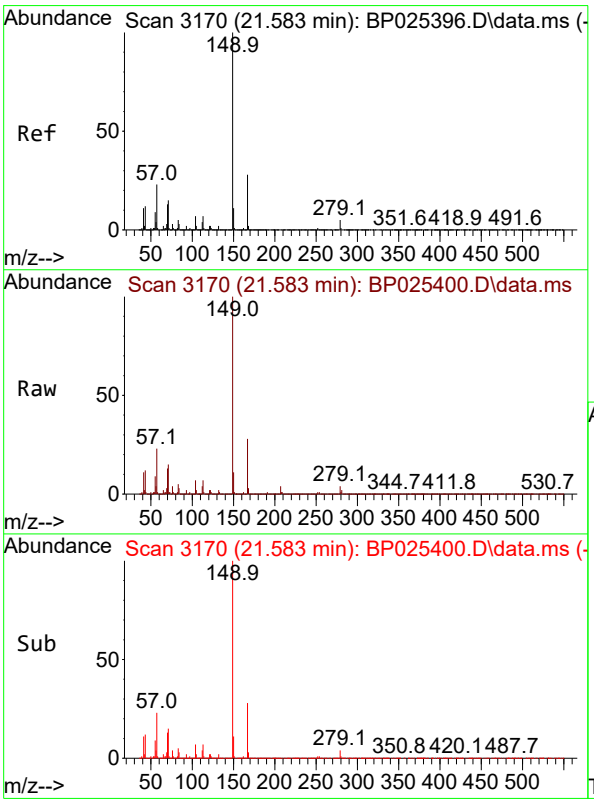
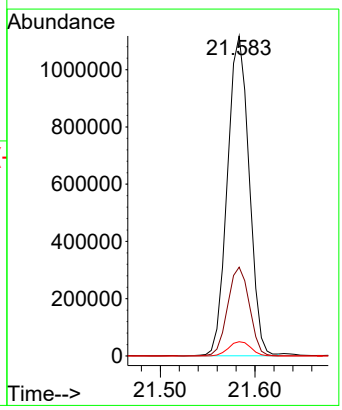


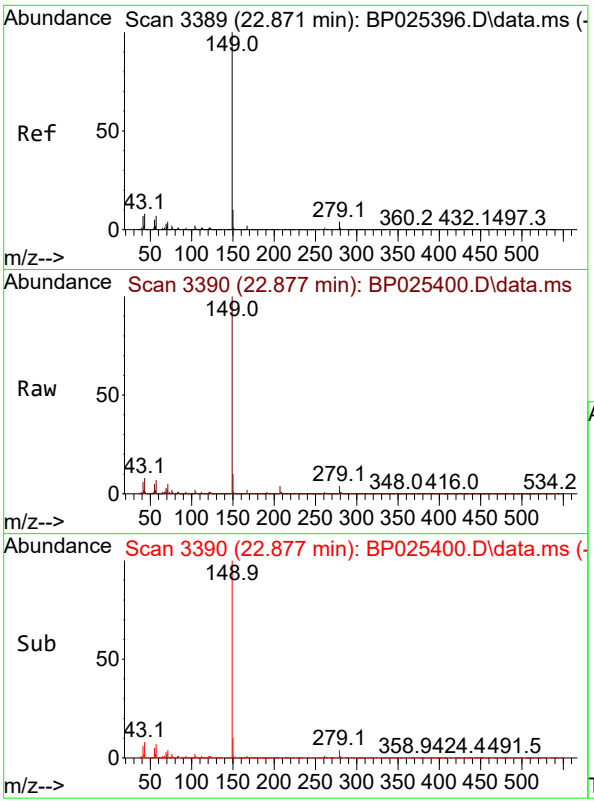


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.729 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1780746

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.5	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 37.915 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 299852

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations
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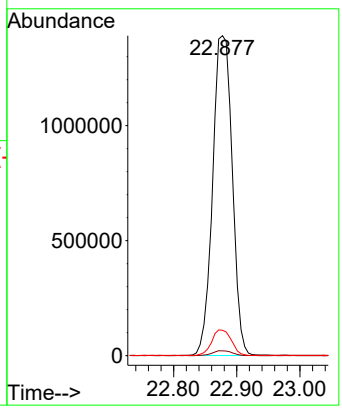
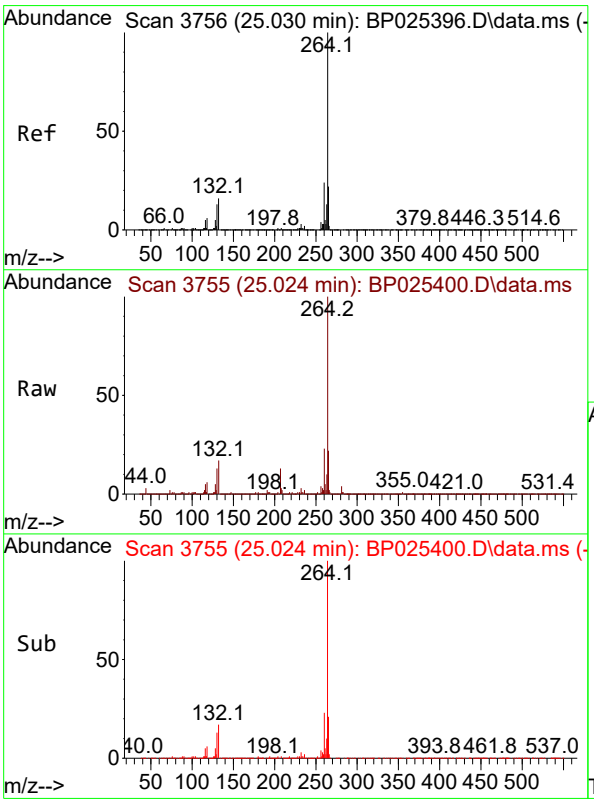
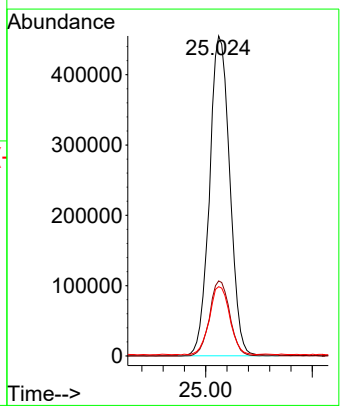


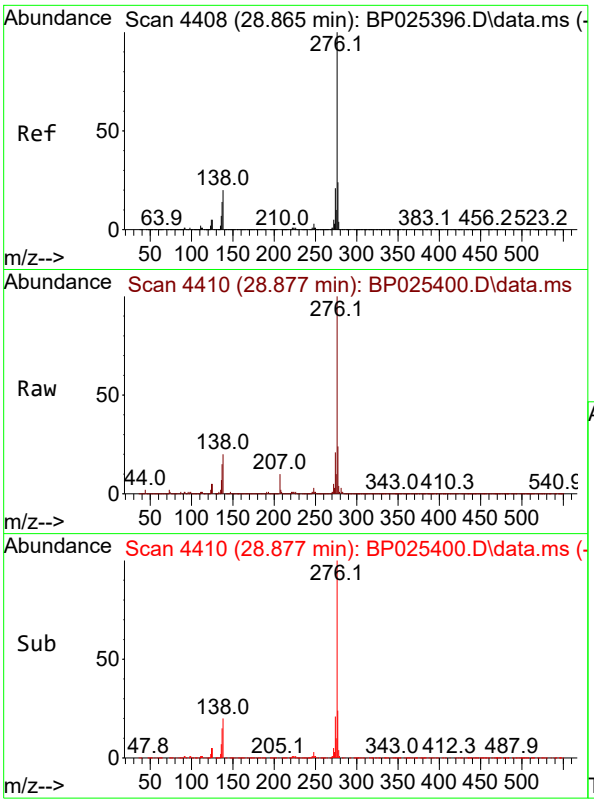


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:264 Resp: 1200519

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0

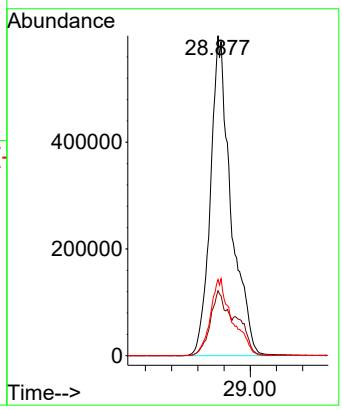




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.119 ng
RT: 28.877 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 326796

Ion	Ratio	Lower	Upper
276	100		
138	17.0	12.9	19.3
277	25.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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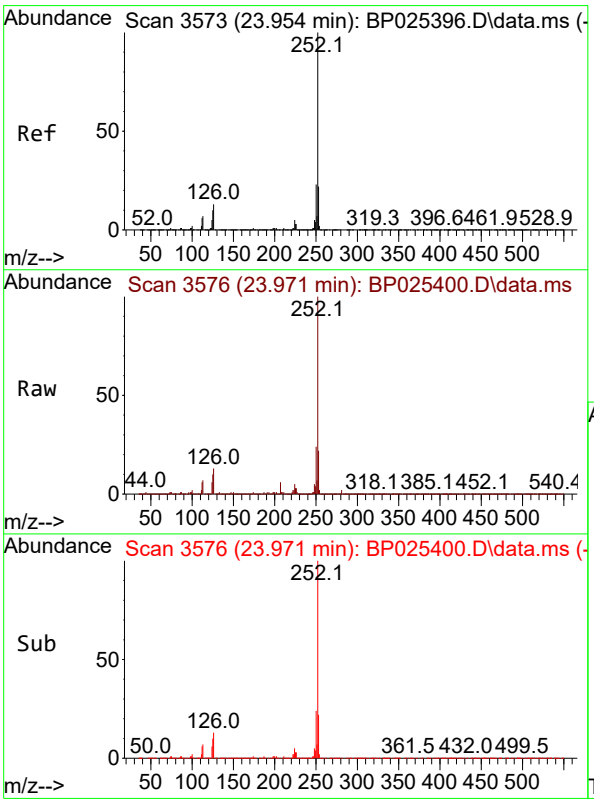
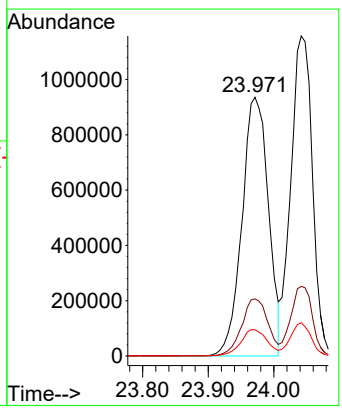
Supervised By :Jagrut Upadhyay 08/15/2025

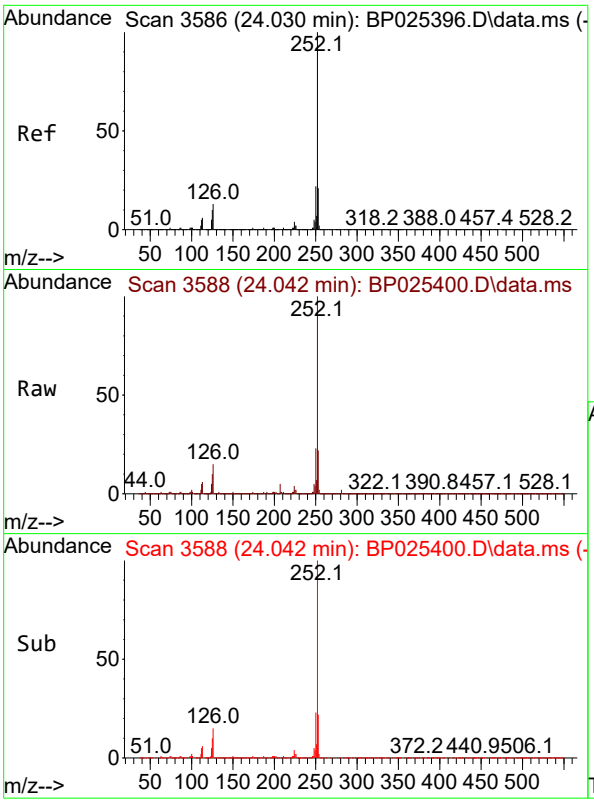


#88
Benzo(b)fluoranthene
Concen: 36.964 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2616701

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 265390

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.4	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Manual Integrations APPROVED

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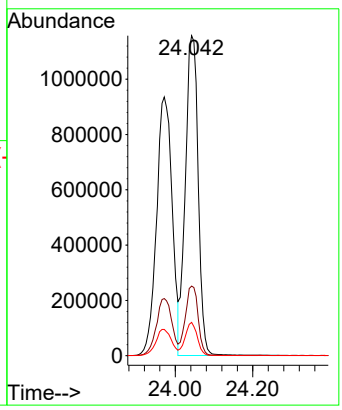
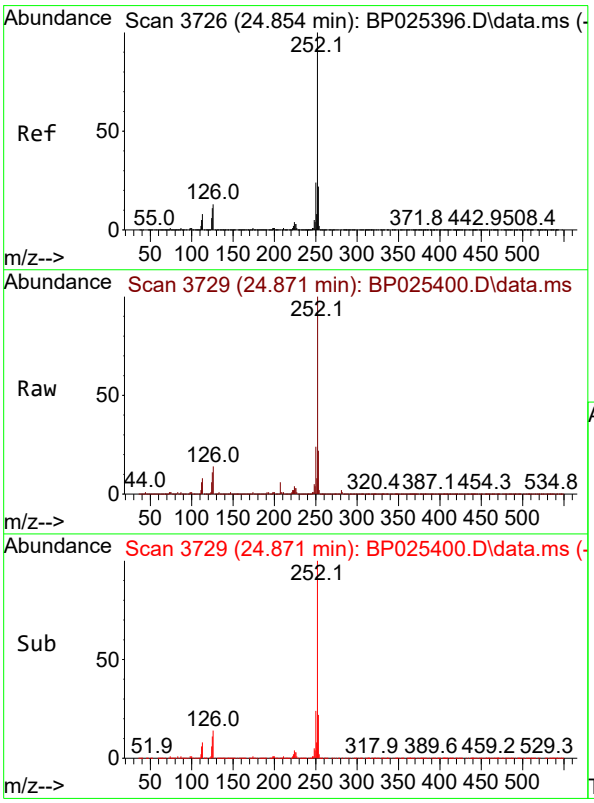
Supervised By :Jagrut Upadhyay 08/15/2025

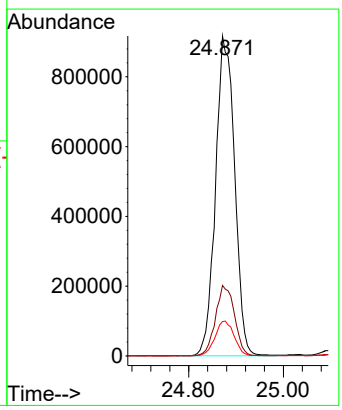


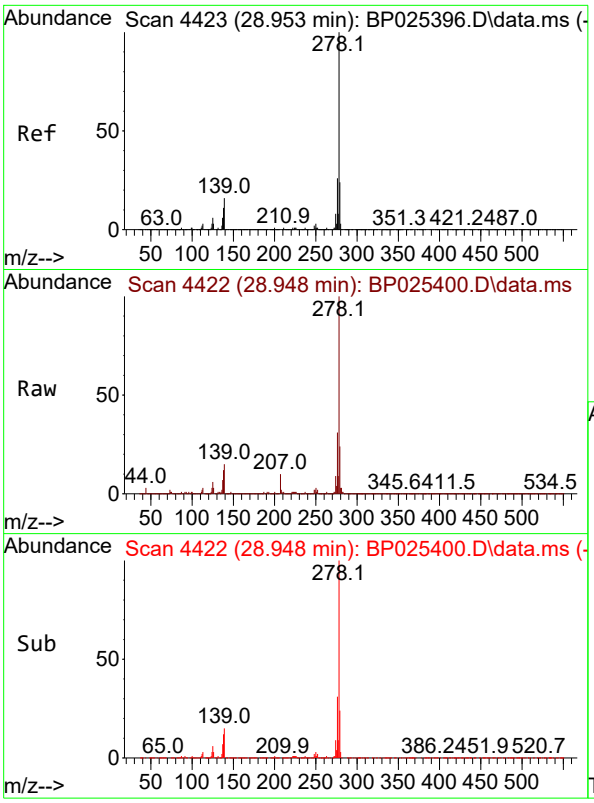


#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2560692

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.7	8.7	13.1

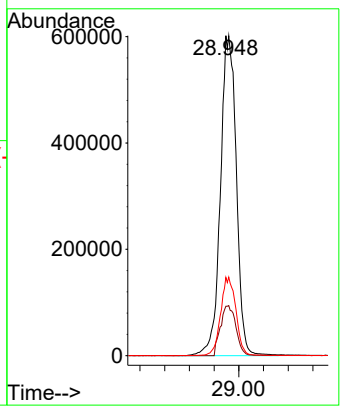




#91
Dibenzo(a,h)anthracene
Concen: 37.490 ng
RT: 28.948 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:278 Resp: 269733

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.4	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081425

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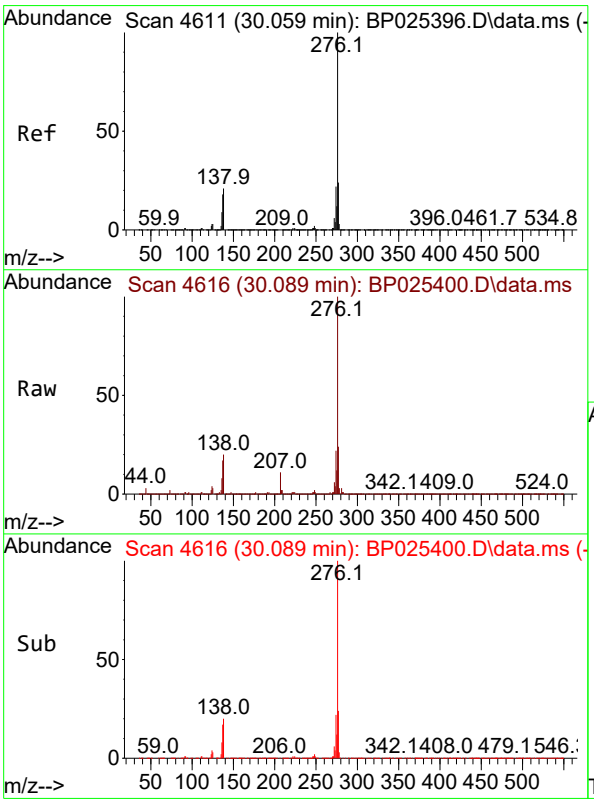
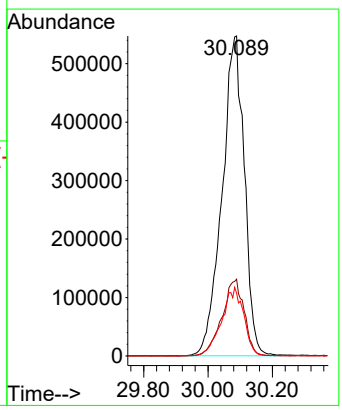


#92
Benzo(g,h,i)perylene
Concen: 37.216 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.029 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 2632085

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	19.6	16.7	25.1



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Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2		1,4-Dioxane	0.472	0.399	15.5	99	0.00
3		Pyridine	1.291	1.159	10.2	105	0.00
4		n-Nitrosodimethylamine	0.532	0.507	4.7	109	0.00
5	S	2-Fluorophenol	1.204	1.045	13.2	99	0.00
6		Aniline	2.080	1.984	4.6	108	0.00
7	S	Phenol-d6	1.544	1.383	10.4	101	0.00
8		2-Chlorophenol	1.359	1.308	3.8	110	0.00
9		Benzaldehyde	1.082	0.923	14.7	75	0.00
10	C	Phenol	1.620	1.555	4.0	109	0.00
11		bis(2-Chloroethyl)ether	1.263	1.211	4.1	109	0.00
12		1,3-Dichlorobenzene	1.499	1.414	5.7	108	0.00
13	C	1,4-Dichlorobenzene	1.532	1.451	5.3	109	0.00
14		1,2-Dichlorobenzene	1.483	1.402	5.5	108	0.00
15		Benzyl Alcohol	1.227	1.197	2.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.619	4.3	110	0.00
17		2-Methylphenol	1.125	1.094	2.8	109	0.00
18		Hexachloroethane	0.563	0.536	4.8	109	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.979	4.3	109	0.00
20		3+4-Methylphenols	1.560	1.506	3.5	109	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22		Acetophenone	0.502	0.479	4.6	112	0.00
23	S	Nitrobenzene-d5	0.395	0.328	17.0	97	0.00
24		Nitrobenzene	0.353	0.330	6.5	108	0.00
25		Isophorone	0.700	0.662	5.4	111	0.00
26	C	2-Nitrophenol	0.181	0.176	2.8	110	0.00
27		2,4-Dimethylphenol	0.312	0.303	2.9	111	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.400	5.4	111	0.00
29	C	2,4-Dichlorophenol	0.310	0.299	3.5	111	0.00
30		1,2,4-Trichlorobenzene	0.340	0.316	7.1	109	0.00
31		Naphthalene	1.040	0.973	6.4	110	0.00
32		Benzoic acid	0.230	0.220	4.3	110	0.01
33		4-Chloroaniline	0.459	0.437	4.8	109	0.00
34	C	Hexachlorobutadiene	0.211	0.196	7.1	108	0.00
35		Caprolactam	0.114	0.109	4.4	112	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.345	2.8	113	0.00
37		2-Methylnaphthalene	0.676	0.640	5.3	111	0.00
38		1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.547	5.4	111	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	115	0.00
42	S	2,4,6-Tribromophenol	0.269	0.241	10.4	105	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.380	2.6	113	0.00
44		2,4,5-Trichlorophenol	0.427	0.418	2.1	112	0.00
45	S	2-Fluorobiphenyl	1.463	1.208	17.4	99	0.00
46		1,1'-Biphenyl	1.453	1.368	5.8	111	0.00
47		2-Chloronaphthalene	1.131	1.065	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.322	2.1	111	0.00
49		Acenaphthylene	1.871	1.764	5.7	111	0.00
50		Dimethylphthalate	1.465	1.398	4.6	114	0.00
51		2,6-Dinitrotoluene	0.309	0.303	1.9	112	0.00
52	C	Acenaphthene	1.098	1.011	7.9	111	0.00
53		3-Nitroaniline	0.347	0.348	-0.3	116	0.00
54	P	2,4-Dinitrophenol	0.165	0.172	-4.2	120	0.00
55		Dibenzofuran	1.736	1.620	6.7	110	0.00
56	P	4-Nitrophenol	0.285	0.283	0.7	115	0.00
57		2,4-Dinitrotoluene	0.440	0.445	-1.1	116	0.00
58		Fluorene	1.370	1.267	7.5	111	0.01
59		2,3,4,6-Tetrachlorophenol	0.377	0.369	2.1	115	0.00
60		Diethylphthalate	1.488	1.407	5.4	112	0.00
61		4-Chlorophenyl-phenylether	0.681	0.623	8.5	109	0.01
62		4-Nitroaniline	0.356	0.345	3.1	112	0.00
63		Azobenzene	1.274	1.227	3.7	113	0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.01
65		4,6-Dinitro-2-methylphenol	0.125	0.124	0.8	118	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.568	6.9	112	0.00
67		4-Bromophenyl-phenylether	0.220	0.204	7.3	112	0.00
68		Hexachlorobenzene	0.255	0.236	7.5	114	0.01
69		Atrazine	0.228	0.217	4.8	116	0.00
70	C	Pentachlorophenol	0.161	0.156	3.1	116	0.01
71		Phenanthrene	1.099	1.001	8.9	113	0.01
72		Anthracene	1.122	1.054	6.1	114	0.00
73		Carbazole	1.057	0.981	7.2	114	0.00
74		Di-n-butylphthalate	1.300	1.222	6.0	115	0.02
75	C	Fluoranthene	1.311	1.228	6.3	117	0.02
76	I	Chrysene-d12	1.000	1.000	0.0	118	0.00
77		Benzidine	0.683	0.721	-5.6	88	0.00
78		Pyrene	1.300	1.216	6.5	113	0.01
79	S	Terphenyl-d14	1.093	0.907	17.0	102	0.02
80		Butylbenzylphthalate	0.589	0.566	3.9	115	0.01
81		Benzo(a)anthracene	1.319	1.218	7.7	113	0.00
82		3,3'-Dichlorobenzidine	0.497	0.473	4.8	114	0.01
83		Chrysene	1.235	1.153	6.6	115	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.840	3.1	119	0.00
85	c	Di-n-octyl phthalate	1.492	1.414	5.2	115	0.00
86	I	Perylene-d12	1.000	1.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	1.467	1.361	7.2	113	0.01
88		Benzo(b)fluoranthene	1.179	1.090	7.5	113	0.02
89		Benzo(k)fluoranthene	1.180	1.105	6.4	115	0.01
90	C	Benzo(a)pyrene	1.148	1.066	7.1	113	0.02
91		Dibenzo(a,h)anthracene	1.199	1.123	6.3	114	0.00
92		Benzo(g,h,i)perylene	1.178	1.096	7.0	113	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2		1,4-Dioxane	40.000	33.792	15.5	99	0.00
3		Pyridine	40.000	35.901	10.2	105	0.00
4		n-Nitrosodimethylamine	40.000	38.115	4.7	109	0.00
5	S	2-Fluorophenol	80.000	69.430	13.2	99	0.00
6		Aniline	40.000	38.147	4.6	108	0.00
7	S	Phenol-d6	80.000	71.663	10.4	101	0.00
8		2-Chlorophenol	40.000	38.501	3.7	110	0.00
9		Benzaldehyde	40.000	34.142	14.6	75	0.00
10	C	Phenol	40.000	38.388	4.0	109	0.00
11		bis(2-Chloroethyl)ether	40.000	38.348	4.1	109	0.00
12		1,3-Dichlorobenzene	40.000	37.738	5.7	108	0.00
13	C	1,4-Dichlorobenzene	40.000	37.890	5.3	109	0.00
14		1,2-Dichlorobenzene	40.000	37.818	5.5	108	0.00
15		Benzyl Alcohol	40.000	39.025	2.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.271	4.3	110	0.00
17		2-Methylphenol	40.000	38.877	2.8	109	0.00
18		Hexachloroethane	40.000	38.103	4.7	109	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.270	4.3	109	0.00
20		3+4-Methylphenols	40.000	38.620	3.5	109	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22		Acetophenone	40.000	38.216	4.5	112	0.00
23	S	Nitrobenzene-d5	80.000	66.391	17.0	97	0.00
24		Nitrobenzene	40.000	37.313	6.7	108	0.00
25		Isophorone	40.000	37.855	5.4	111	0.00
26	C	2-Nitrophenol	40.000	38.722	3.2	110	0.00
27		2,4-Dimethylphenol	40.000	38.910	2.7	111	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.816	5.5	111	0.00
29	C	2,4-Dichlorophenol	40.000	38.649	3.4	111	0.00
30		1,2,4-Trichlorobenzene	40.000	37.231	6.9	109	0.00
31		Naphthalene	40.000	37.431	6.4	110	0.00
32		Benzoic acid	40.000	38.242	4.4	110	0.01
33		4-Chloroaniline	40.000	38.043	4.9	109	0.00
34	C	Hexachlorobutadiene	40.000	37.031	7.4	108	0.00
35		Caprolactam	40.000	38.310	4.2	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.789	3.0	113	0.00
37		2-Methylnaphthalene	40.000	37.845	5.4	111	0.00
38		1-Methylnaphthalene	40.000	37.539	6.2	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.895	5.3	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.074	-0.2	115	0.00
42	S	2,4,6-Tribromophenol	80.000	71.582	10.5	105	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.972	2.6	113	0.00
44		2,4,5-Trichlorophenol	40.000	39.108	2.2	112	0.00
45	S	2-Fluorobiphenyl	80.000	66.016	17.5	99	0.00
46		1,1'-Biphenyl	40.000	37.672	5.8	111	0.00
47		2-Chloronaphthalene	40.000	37.682	5.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.081	2.3	111	0.00
49		Acenaphthylene	40.000	37.720	5.7	111	0.00
50		Dimethylphthalate	40.000	38.170	4.6	114	0.00
51		2,6-Dinitrotoluene	40.000	39.211	2.0	112	0.00
52	C	Acenaphthene	40.000	36.837	7.9	111	0.00
53		3-Nitroaniline	40.000	40.027	-0.1	116	0.00
54	P	2,4-Dinitrophenol	40.000	41.646	-4.1	120	0.00
55		Dibenzofuran	40.000	37.324	6.7	110	0.00
56	P	4-Nitrophenol	40.000	39.630	0.9	115	0.00
57		2,4-Dinitrotoluene	40.000	40.439	-1.1	116	0.00
58		Fluorene	40.000	36.992	7.5	111	0.01
59		2,3,4,6-Tetrachlorophenol	40.000	39.147	2.1	115	0.00
60		Diethylphthalate	40.000	37.810	5.5	112	0.00
61		4-Chlorophenyl-phenylether	40.000	36.596	8.5	109	0.01
62		4-Nitroaniline	40.000	38.717	3.2	112	0.00
63		Azobenzene	40.000	38.526	3.7	113	0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	0.01
65		4,6-Dinitro-2-methylphenol	40.000	39.721	0.7	118	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.227	6.9	112	0.00
67		4-Bromophenyl-phenylether	40.000	37.101	7.2	112	0.00
68		Hexachlorobenzene	40.000	37.062	7.3	114	0.01
69		Atrazine	40.000	38.057	4.9	116	0.00
70	C	Pentachlorophenol	40.000	38.733	3.2	116	0.01
71		Phenanthrene	40.000	36.445	8.9	113	0.01
72		Anthracene	40.000	37.563	6.1	114	0.00
73		Carbazole	40.000	37.116	7.2	114	0.00
74		Di-n-butylphthalate	40.000	37.602	6.0	115	0.02
75	C	Fluoranthene	40.000	37.481	6.3	117	0.02
76	I	Chrysene-d12	20.000	20.000	0.0	118	0.00
77		Benzidine	40.000	42.271	-5.7	88	0.00
78		Pyrene	40.000	37.404	6.5	113	0.01
79	S	Terphenyl-d14	80.000	66.399	17.0	102	0.02
80		Butylbenzylphthalate	40.000	38.401	4.0	115	0.01
81		Benzo(a)anthracene	40.000	36.950	7.6	113	0.00
82		3,3'-Dichlorobenzidine	40.000	38.038	4.9	114	0.01
83		Chrysene	40.000	37.353	6.6	115	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.729	3.2	119	0.00
85	c	Di-n-octyl phthalate	40.000	37.915	5.2	115	0.00
86	I	Perylene-d12	20.000	20.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.119	7.2	113	0.01
88		Benzo(b)fluoranthene	40.000	36.964	7.6	113	0.02
89		Benzo(k)fluoranthene	40.000	37.464	6.3	115	0.01
90	C	Benzo(a)pyrene	40.000	37.160	7.1	113	0.02
91		Dibenzo(a,h)anthracene	40.000	37.490	6.3	114	0.00
92		Benzo(g,h,i)perylene	40.000	37.216	7.0	113	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 10:00

Lab File ID: BF143365.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:03 12:38

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.077		-6.9	
Benzaldehyde	0.980	0.870		-11.2	
Phenol-d6	1.483	1.334		-10.0	
Phenol	1.757	1.609		-8.4	20.0
bis(2-Chloroethyl)ether	1.295	1.200		-7.3	
2-Chlorophenol	1.236	1.195		-3.3	
2-Methylphenol	1.043	0.939		-10.0	
2,2-oxybis(1-Chloropropane)	2.312	2.149		-7.1	
Acetophenone	0.441	0.396		-10.2	
3+4-Methylphenols	1.262	1.144		-9.4	
n-Nitroso-di-n-propylamine	0.916	0.821	0.050	-10.4	
Nitrobenzene-d5	0.321	0.325		1.2	
Hexachloroethane	0.449	0.453		0.9	
Nitrobenzene	0.349	0.338		-3.2	
Isophorone	0.656	0.596		-9.1	
2-Nitrophenol	0.118	0.159		34.7	20.0
2,4-Dimethylphenol	0.274	0.264		-3.7	
bis(2-Chloroethoxy)methane	0.400	0.377		-5.8	
2,4-Dichlorophenol	0.267	0.259		-3.0	20.0
Naphthalene	0.962	0.881		-8.4	
4-Chloroaniline	0.347	0.317		-8.6	
Hexachlorobutadiene	0.175	0.172		-1.7	20.0
Caprolactam	0.075	0.067		-10.7	
4-Chloro-3-methylphenol	0.280	0.261		-6.8	20.0
2-Methylnaphthalene	0.633	0.580		-8.4	
Hexachlorocyclopentadiene	0.158	0.203	0.050	28.5	
2,4,6-Trichlorophenol	0.311	0.302		-2.9	20.0
2-Fluorobiphenyl	1.179	1.063		-9.8	
2,4,5-Trichlorophenol	0.351	0.334		-4.8	
1,1-Biphenyl	1.414	1.295		-8.4	
2-Chloronaphthalene	1.114	1.020		-8.4	
2-Nitroaniline	0.284	0.317		11.6	
Dimethylphthalate	1.169	1.088		-6.9	
Acenaphthylene	1.608	1.448		-9.9	
2,6-Dinitrotoluene	0.193	0.227		17.6	
3-Nitroaniline	0.239	0.251		5.0	
Acenaphthene	1.069	0.988		-7.6	20.0
2,4-Dinitrophenol	0.065	0.087	0.050	33.8	
4-Nitrophenol	0.163	0.169	0.050	3.7	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 10:00

Lab File ID: BF143365.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:03 12:38

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.391		-9.6	
2,4-Dinitrotoluene	0.256	0.301		17.6	
Diethylphthalate	1.047	0.995		-5.0	
4-Chlorophenyl-phenylether	0.568	0.526		-7.4	
Fluorene	1.175	1.049		-10.7	
4-Nitroaniline	0.232	0.220		-5.2	
4,6-Dinitro-2-methylphenol	0.069	0.092		33.3	
n-Nitrosodiphenylamine	0.659	0.614		-6.8	20.0
2,4,6-Tribromophenol	0.146	0.155		6.2	
4-Bromophenyl-phenylether	0.229	0.225		-1.7	
Hexachlorobenzene	0.247	0.235		-4.9	
Atrazine	0.172	0.162		-5.8	
Pentachlorophenol	0.101	0.184		82.2	20.0
Phenanthrene	1.091	0.981		-10.1	
Anthracene	1.107	1.018		-8.0	
Carbazole	0.942	0.812		-13.8	
Di-n-butylphthalate	0.798	0.842		5.5	
Fluoranthene	0.956	0.844		-11.7	20.0
Pyrene	1.678	1.460		-13.0	
Terphenyl-d14	1.120	1.033		-7.8	
Butylbenzylphthalate	0.284	0.450		58.5	
3,3-Dichlorobenzidine	0.343	0.378		10.2	
Benzo(a)anthracene	1.271	1.152		-9.4	
Chrysene	1.185	1.104		-6.8	
Bis(2-ethylhexyl)phthalate	0.403	0.722		79.2	
Di-n-octyl phthalate	0.860	1.370		59.3	20.0
Benzo(b)fluoranthene	1.094	1.067		-2.5	
Benzo(k)fluoranthene	1.063	0.958		-9.9	
Benzo(a)pyrene	1.030	0.955		-7.3	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.348		-5.9	
Dibenzo(a,h)anthracene	1.145	1.104		-3.6	
Benzo(g,h,i)perylene	1.153	1.041		-9.7	
1,2,4,5-Tetrachlorobenzene	0.547	0.517		-5.5	
1,4-Dioxane	0.598	0.537		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.251		6.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	155874	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	589243	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	314886	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	455320	20.000	ng	0.00
76) Chrysene-d12	14.092	240	268507	20.000	ng	0.00
86) Perylene-d12	15.580	264	321267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	671415	74.486	ng	0.00
7) Phenol-d6	6.563	99	832051	71.982	ng	0.00
23) Nitrobenzene-d5	7.492	82	765414	80.892	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	195089	84.775	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1338604	72.088	ng	0.00
79) Terphenyl-d14	13.027	244	1109838	73.795	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	167561	35.924	ng	98
3) Pyridine	3.522	79	453743	36.505	ng	99
4) n-Nitrosodimethylamine	3.457	42	208030	35.930	ng	98
6) Aniline	6.592	93	578987	35.529	ng	99
8) 2-Chlorophenol	6.722	128	372513	38.676	ng	96
9) Benzaldehyde	6.481	77	271283	35.508	ng	99
10) Phenol	6.575	94	501602	36.630	ng	99
11) bis(2-Chloroethyl)ether	6.663	93	374208	37.079	ng	99
12) 1,3-Dichlorobenzene	6.875	146	403279	36.300	ng	99
13) 1,4-Dichlorobenzene	6.951	146	410171	36.786	ng	99
14) 1,2-Dichlorobenzene	7.104	146	388134	36.671	ng	99
15) Benzyl Alcohol	7.069	79	312677	37.736	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	669891	37.180	ng	99
17) 2-Methylphenol	7.181	107	292841	36.019	ng	100
18) Hexachloroethane	7.445	117	141162	40.381	ng	97
19) n-Nitroso-di-n-propyla...	7.339	70	255903	35.828	ng	99
20) 3+4-Methylphenols	7.334	107	356538	36.261	ng	98
22) Acetophenone	7.334	105	466722	35.949	ng	99
24) Nitrobenzene	7.510	77	398446	38.773	ng	98
25) Isophorone	7.745	82	702757	36.381	ng	98
26) 2-Nitrophenol	7.828	139	187613	45.743	ng	98
27) 2,4-Dimethylphenol	7.863	122	311198	38.616	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	444549	37.694	ng	100
29) 2,4-Dichlorophenol	8.069	162	304868	38.733	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	314199	37.843	ng	99
31) Naphthalene	8.233	128	1038756	36.636	ng	100
32) Benzoic acid	7.969	122	153094	44.806	ng	98
33) 4-Chloroaniline	8.281	127	373044	36.478	ng	99
34) Hexachlorobutadiene	8.351	225	202244	39.158	ng	100
35) Caprolactam	8.639	113	78907	35.661	ng	96
36) 4-Chloro-3-methylphenol	8.757	107	307883	37.312	ng	99
37) 2-Methylnaphthalene	8.922	142	684082	36.699	ng	99
38) 1-Methylnaphthalene	9.022	142	657684	36.634	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	325394	37.763	ng	100
41) Hexachlorocyclopentadiene	9.080	237	127734	45.170	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	189921	38.847	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

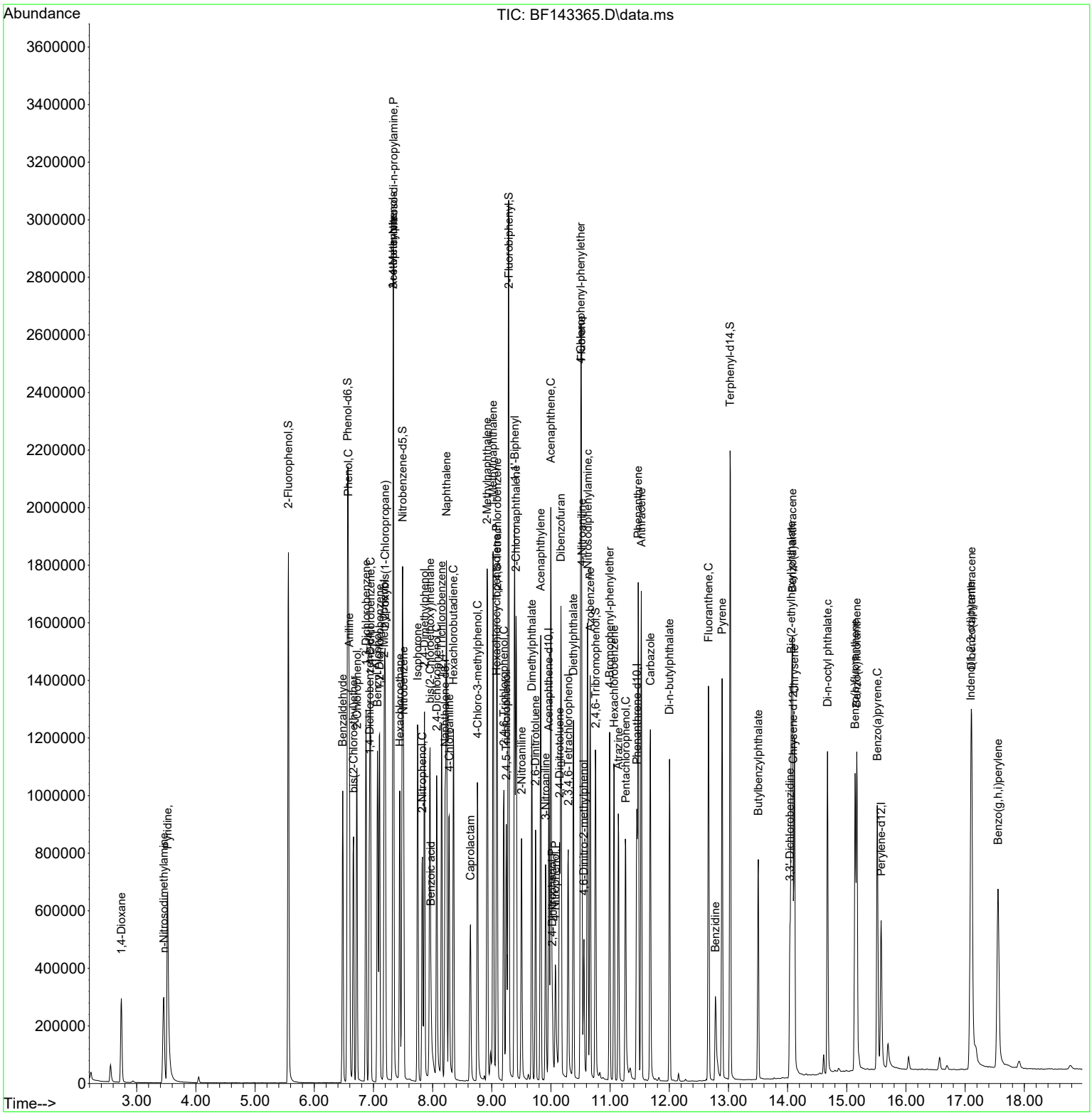
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	210414	38.112	ng	99
46) 1,1'-Biphenyl	9.386	154	815422	36.625	ng	100
47) 2-Chloronaphthalene	9.410	162	642420	36.637	ng	99
48) 2-Nitroaniline	9.504	65	199781	39.994	ng	99
49) Acenaphthylene	9.827	152	912085	36.019	ng	99
50) Dimethylphthalate	9.675	163	684989	37.229	ng	100
51) 2,6-Dinitrotoluene	9.739	165	143121	41.532	ng	98
52) Acenaphthene	9.998	154	622352	36.969	ng	99
53) 3-Nitroaniline	9.910	138	158044	41.943	ng	100
54) 2,4-Dinitrophenol	10.022	184	54988	47.847	ng	88
55) Dibenzofuran	10.169	168	876245	36.166	ng	99
56) 4-Nitrophenol	10.075	139	106466	38.411	ng	98
57) 2,4-Dinitrotoluene	10.145	165	189595	41.474	ng	93
58) Fluorene	10.516	166	660928	35.714	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	157931	42.436	ng	98
60) Diethylphthalate	10.380	149	626496	38.014	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	331103	37.027	ng	98
62) 4-Nitroaniline	10.522	138	138449	37.977	ng	98
63) Azobenzene	10.663	77	682418	36.252	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	83546	45.753	ng	96
66) n-Nitrosodiphenylamine	10.622	169	558749	37.268	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	204482	39.268	ng	97
68) Hexachlorobenzene	11.069	284	214247	38.169	ng	97
69) Atrazine	11.139	200	147197	37.642	ng	98
70) Pentachlorophenol	11.263	266	167836	62.487	ng	97
71) Phenanthrene	11.474	178	893088	35.951	ng	100
72) Anthracene	11.527	178	926945	36.793	ng	99
73) Carbazole	11.680	167	739655	34.473	ng	99
74) Di-n-butylphthalate	12.004	149	766597	42.222	ng	100
75) Fluoranthene	12.663	202	768327	35.308	ng	100
77) Benzidine	12.780	184	248352	33.832	ng	99
78) Pyrene	12.892	202	784051	34.808	ng	100
80) Butylbenzylphthalate	13.504	149	241746	53.869	ng	97
81) Benzo(a)anthracene	14.080	228	618813	36.260	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	203149	44.084	ng	98
83) Chrysene	14.115	228	593023	37.266	ng	99
84) Bis(2-ethylhexyl)phtha...	14.062	149	387949	58.318	ng	99
85) Di-n-octyl phthalate	14.674	149	735485	55.364	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	866144	37.631	ng	100
88) Benzo(b)fluoranthene	15.139	252	685407	39.006	ng	99
89) Benzo(k)fluoranthene	15.168	252	615365	36.040	ng	99
90) Benzo(a)pyrene	15.515	252	613881	37.093	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	709428	38.581	ng	99
92) Benzo(g,h,i)perylene	17.556	276	669117	36.122	ng	99

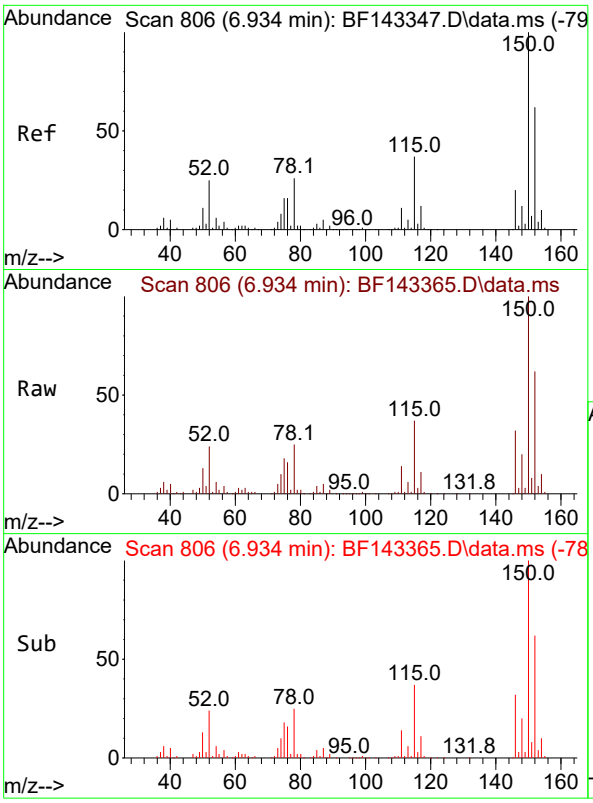
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



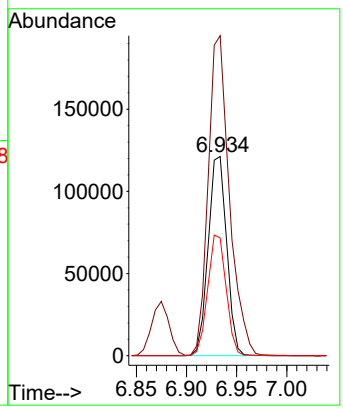


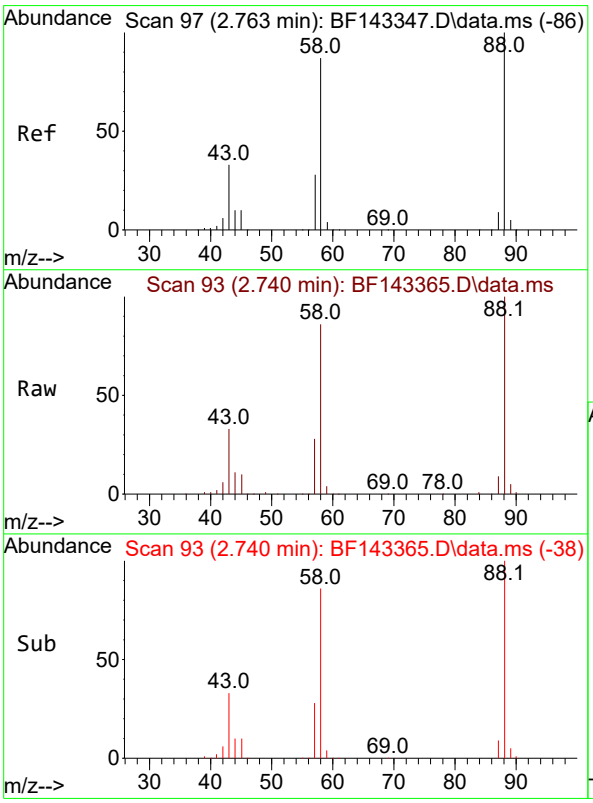
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 155874

Ion	Ratio	Lower	Upper
152	100		
150	160.6	129.8	194.8
115	59.1	47.8	71.8

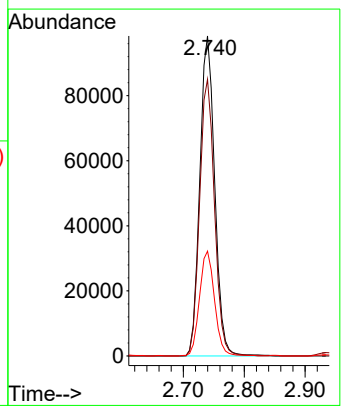


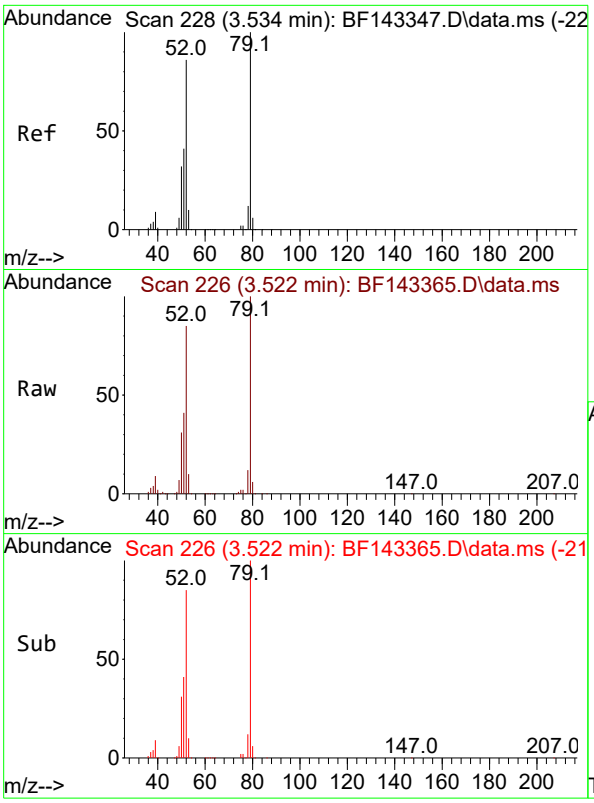


#2
1,4-Dioxane
Concen: 35.924 ng
RT: 2.740 min Scan# 93
Delta R.T. -0.024 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 88 Resp: 167561

Ion	Ratio	Lower	Upper
88	100		
58	86.4	71.0	106.6
43	33.1	27.0	40.6



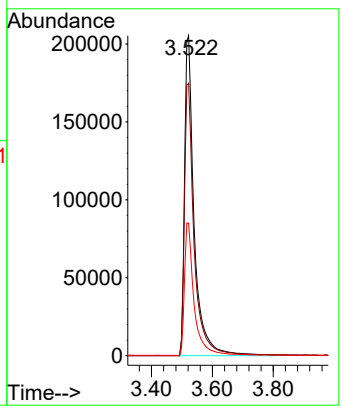


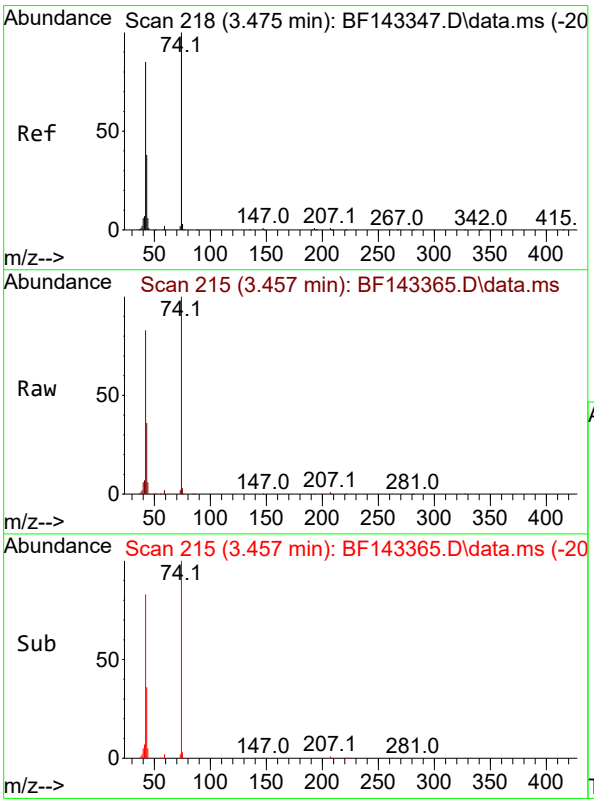
#3
Pyridine
Concen: 36.505 ng
RT: 3.522 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 453743

Ion	Ratio	Lower	Upper
79	100		
52	85.2	68.7	103.1
51	41.5	33.4	50.0

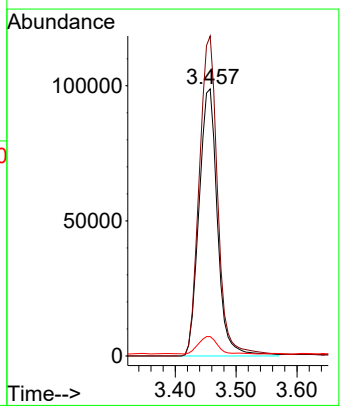


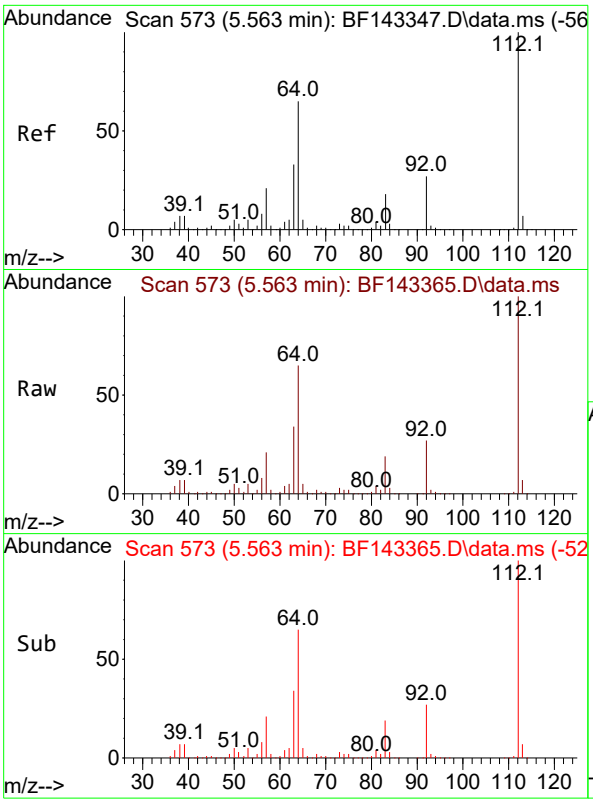


#4
n-Nitrosodimethylamine
Concen: 35.930 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 42 Resp: 208030

Ion	Ratio	Lower	Upper
42	100		
74	119.8	94.1	141.1
44	7.2	6.5	9.7



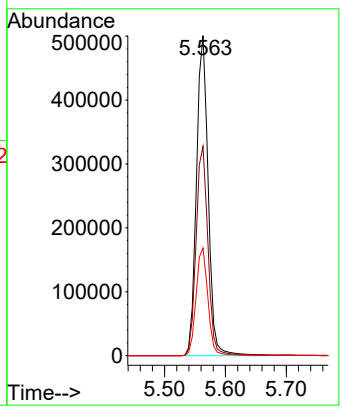


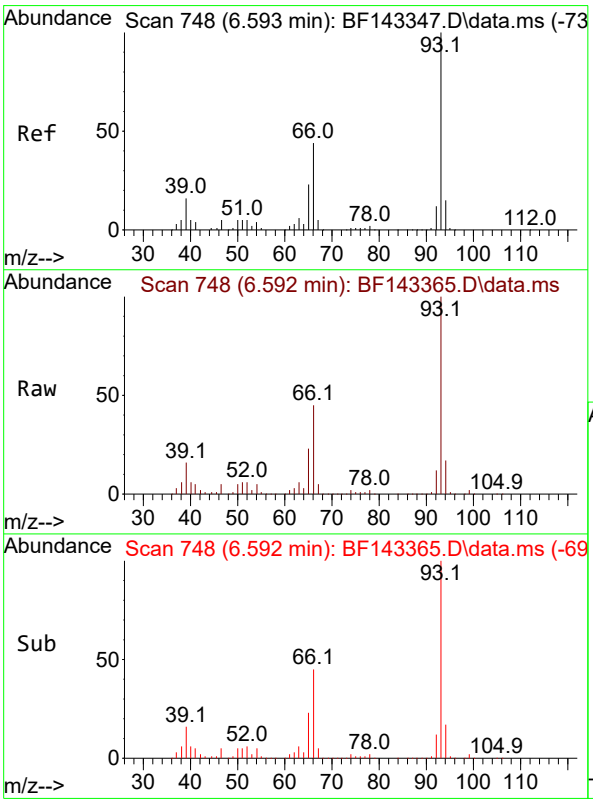
#5
2-Fluorophenol
Concen: 74.486 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 671415

Ion	Ratio	Lower	Upper
112	100		
64	65.4	52.1	78.1
63	33.7	26.6	39.8

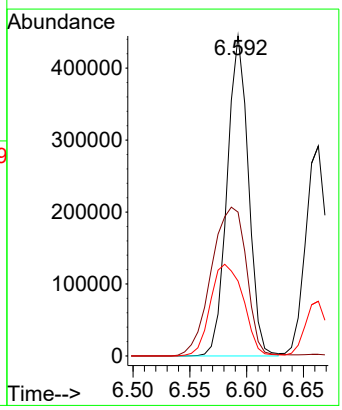


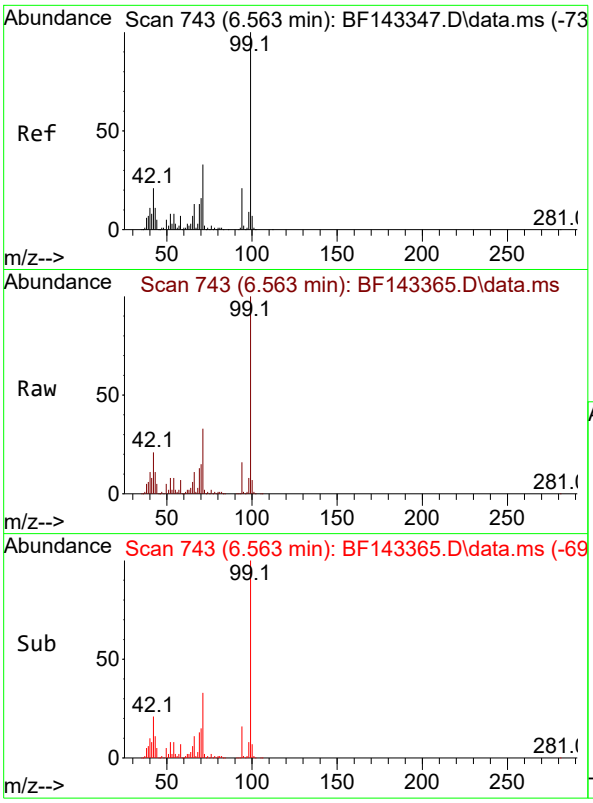


#6
Aniline
Concen: 35.529 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 93 Resp: 578987

Ion	Ratio	Lower	Upper
93	100		
66	45.0	35.3	52.9
65	23.4	18.2	27.4



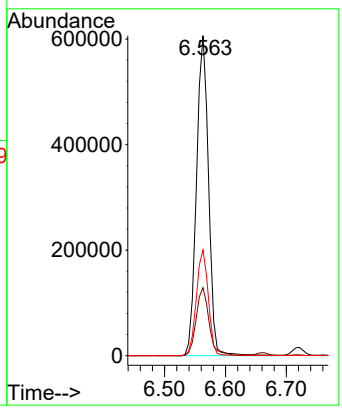


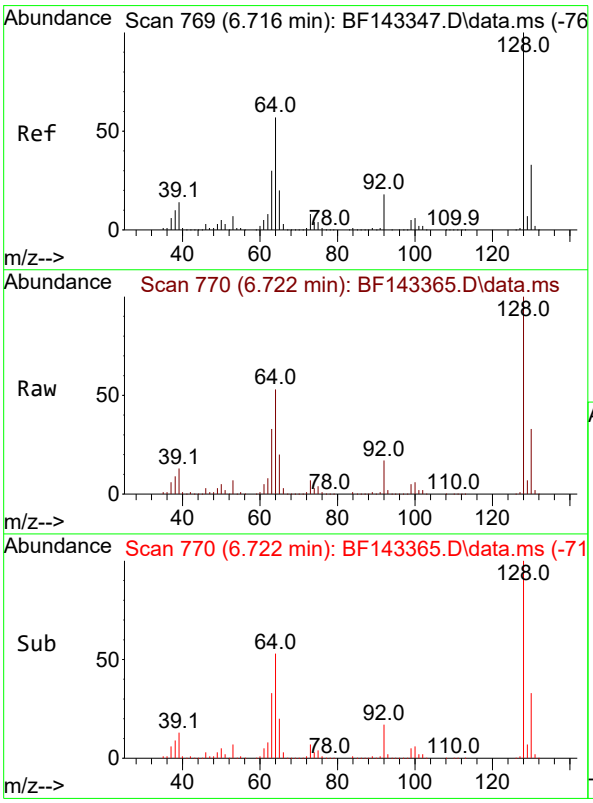
#7
Phenol-d6
Concen: 71.982 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 832051

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.6	25.0
71	33.0	26.2	39.2

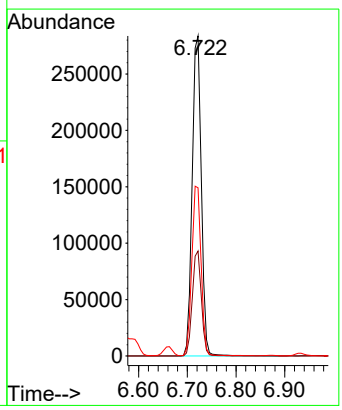


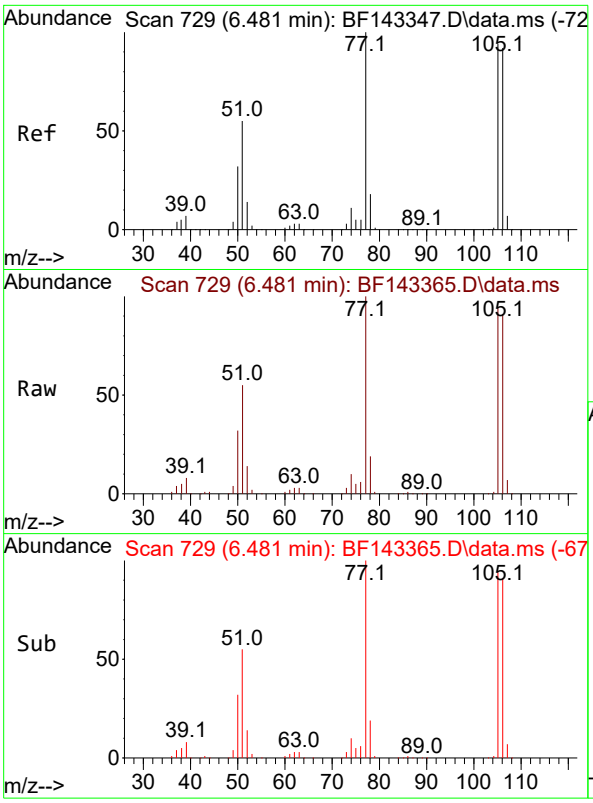


#8
2-Chlorophenol
Concen: 38.676 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:128 Resp: 372513

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	52.5	36.7	76.7



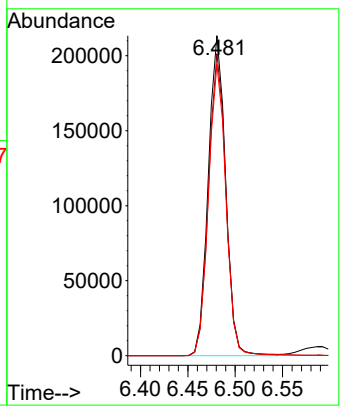


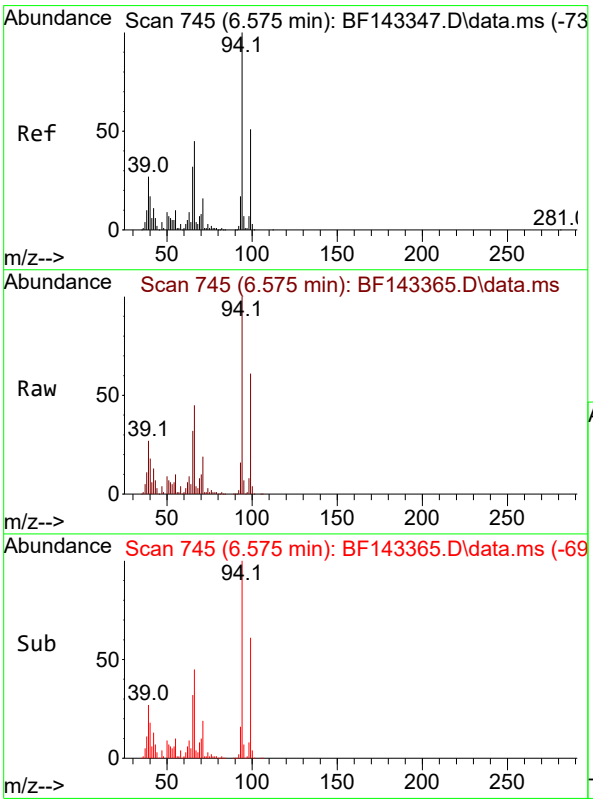
#9
Benzaldehyde
Concen: 35.508 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 271283

Ion	Ratio	Lower	Upper
77	100		
105	94.4	74.2	114.2
106	91.0	72.2	112.2

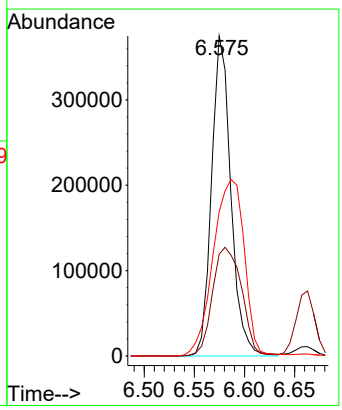


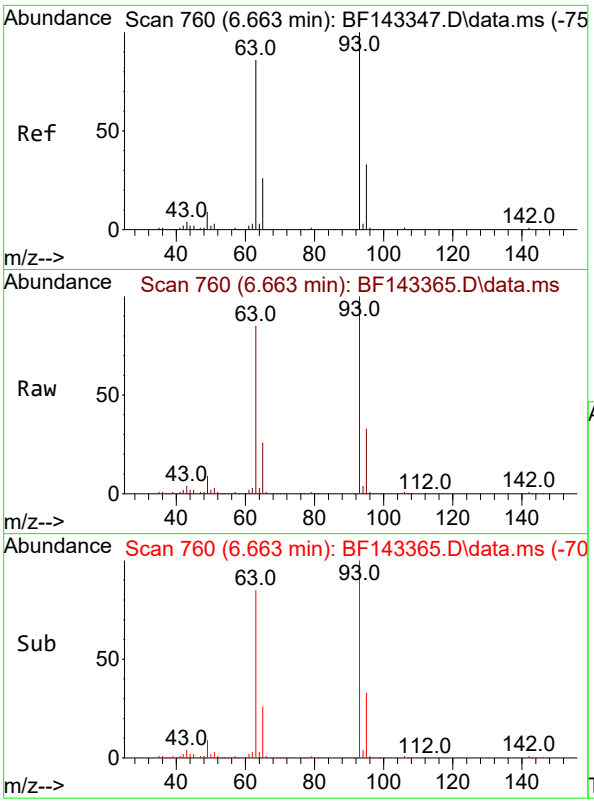


#10
Phenol
Concen: 36.630 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 94 Resp: 501602

Ion	Ratio	Lower	Upper
94	100		
65	31.8	12.0	52.0
66	45.1	25.6	65.6



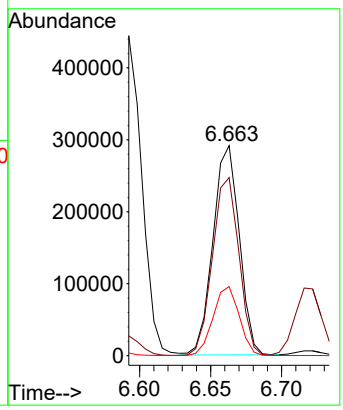


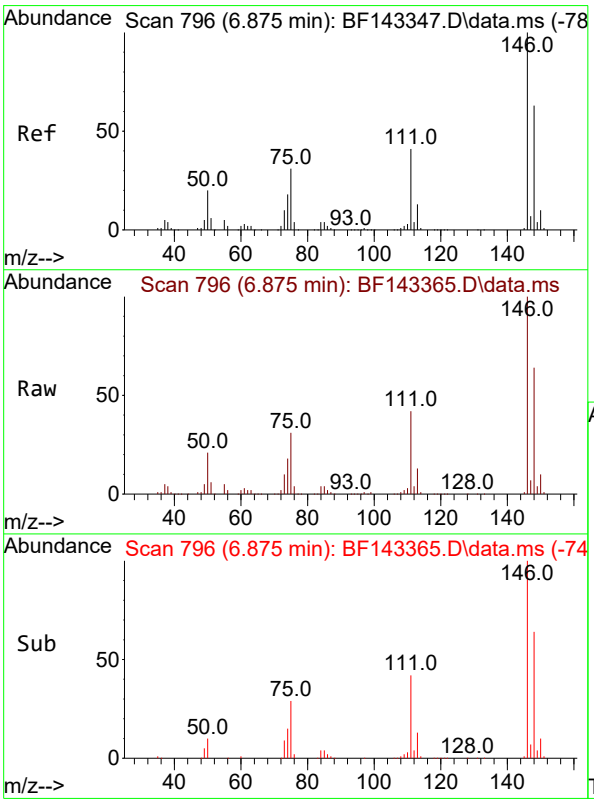
#11
bis(2-Chloroethyl)ether
Concen: 37.079 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 374208

Ion	Ratio	Lower	Upper
93	100		
63	84.8	65.7	105.7
95	32.9	13.0	53.0

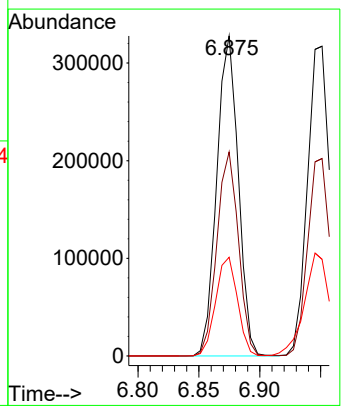


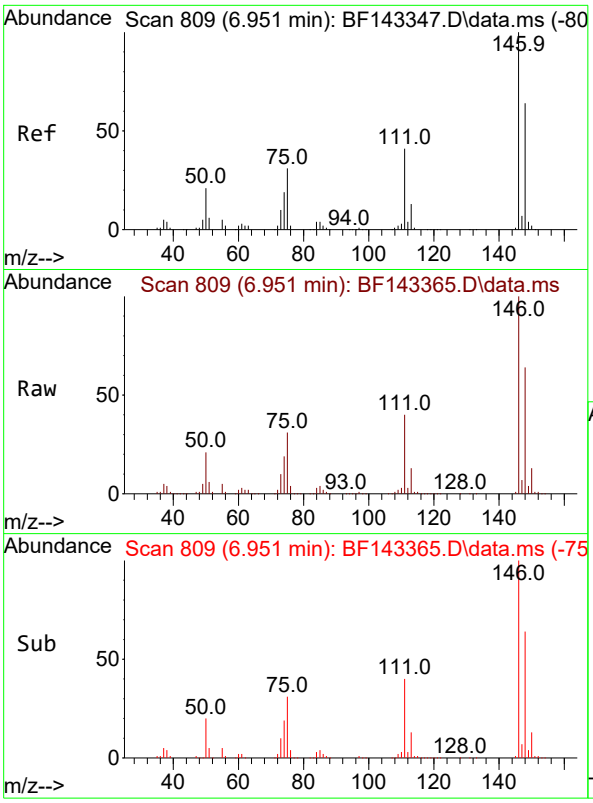


#12
1,3-Dichlorobenzene
Concen: 36.300 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:146 Resp: 403279

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
75	30.9	24.9	37.3



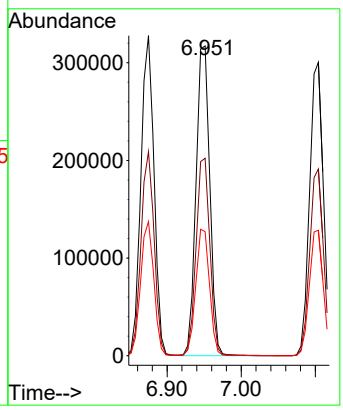


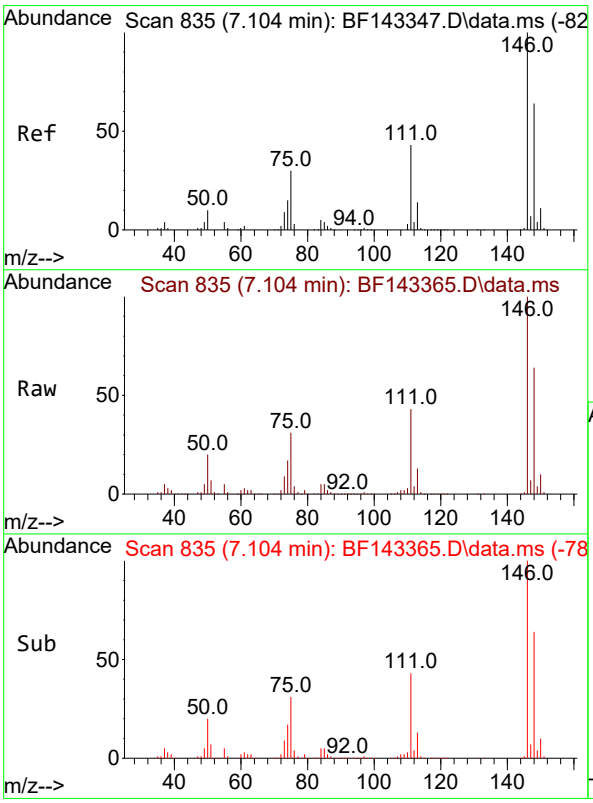
#13
1,4-Dichlorobenzene
Concen: 36.786 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 410171

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	40.0	32.6	48.8

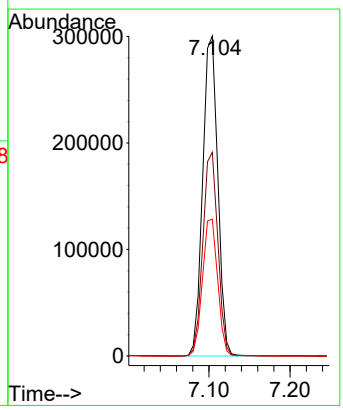


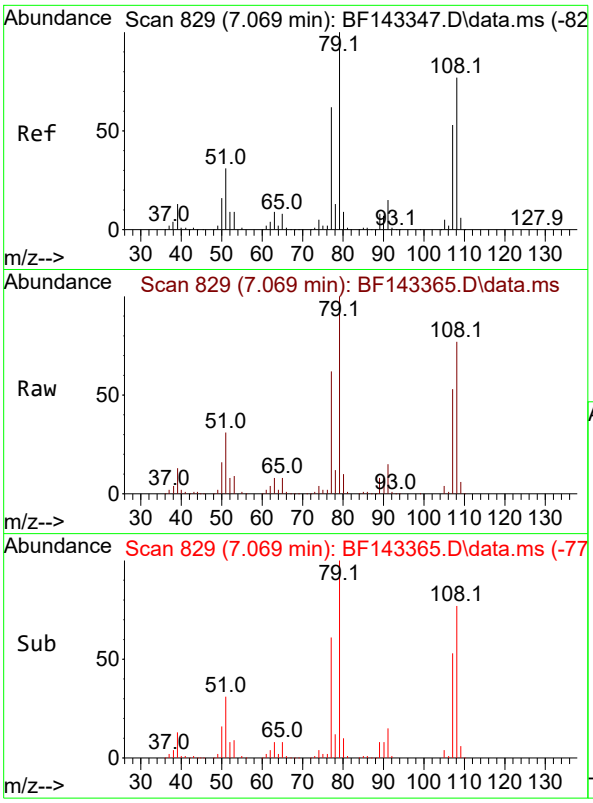


#14
1,2-Dichlorobenzene
Concen: 36.671 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:146 Resp: 388134

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	42.8	34.1	51.1



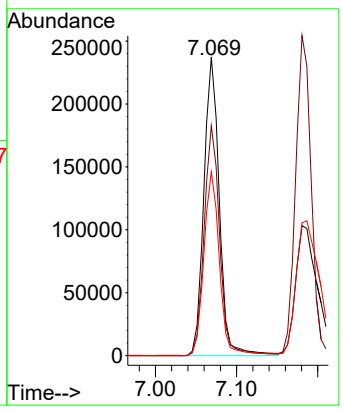


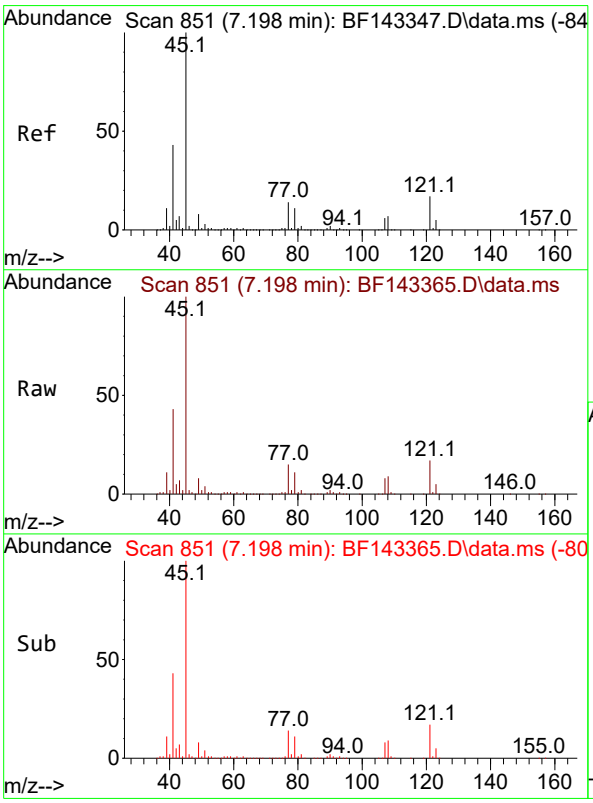
#15
Benzyl Alcohol
Concen: 37.736 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 312677

Ion	Ratio	Lower	Upper
79	100		
108	77.0	61.5	92.3
77	61.6	49.8	74.8

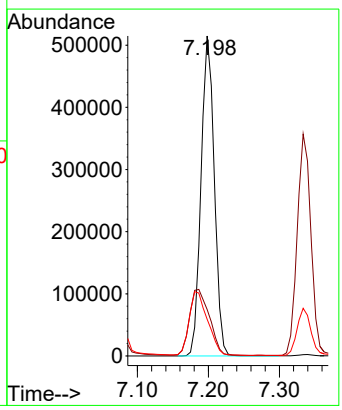


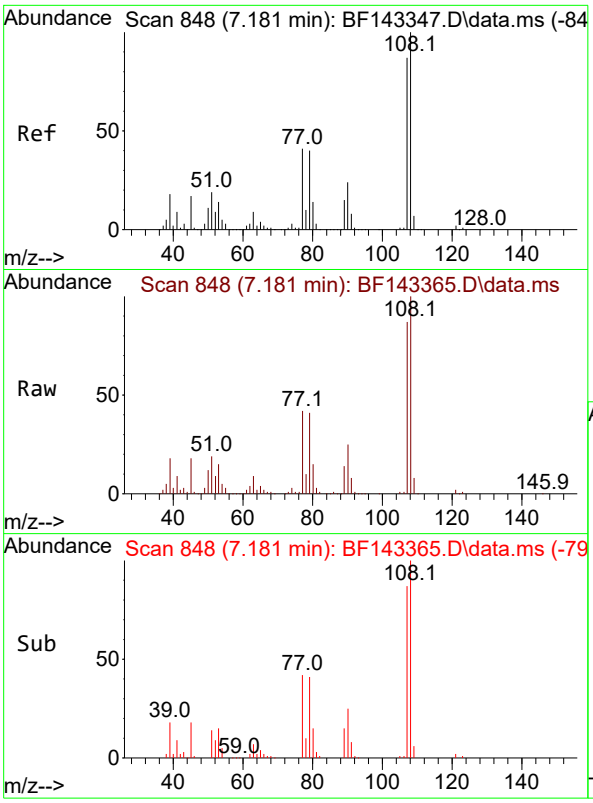


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.180 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 45 Resp: 669891

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	34.0
79	11.5	0.0	31.1



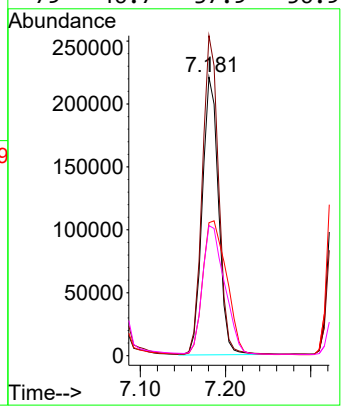


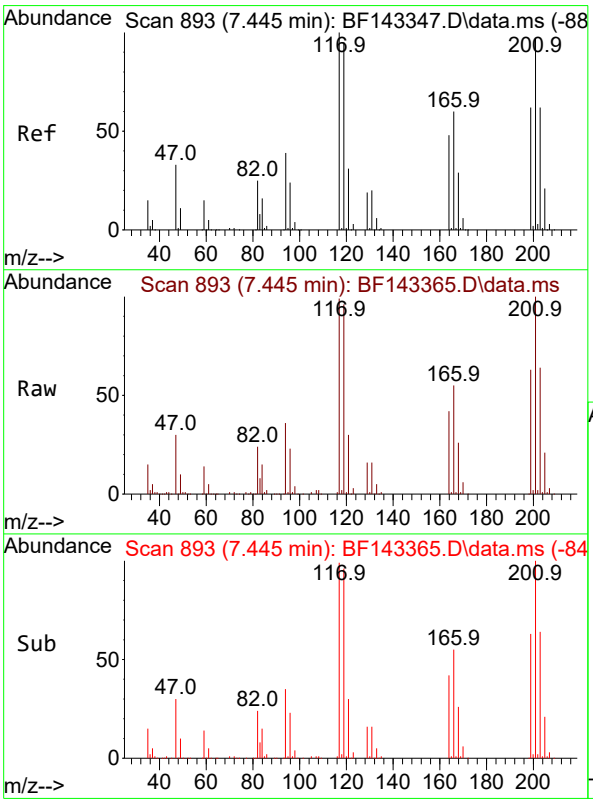
#17
2-Methylphenol
Concen: 36.019 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 292841

Ion	Ratio	Lower	Upper
107	100		
108	114.9	92.0	138.0
77	47.7	38.2	57.2
79	46.7	37.9	56.9

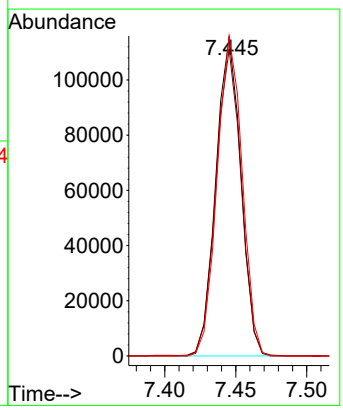


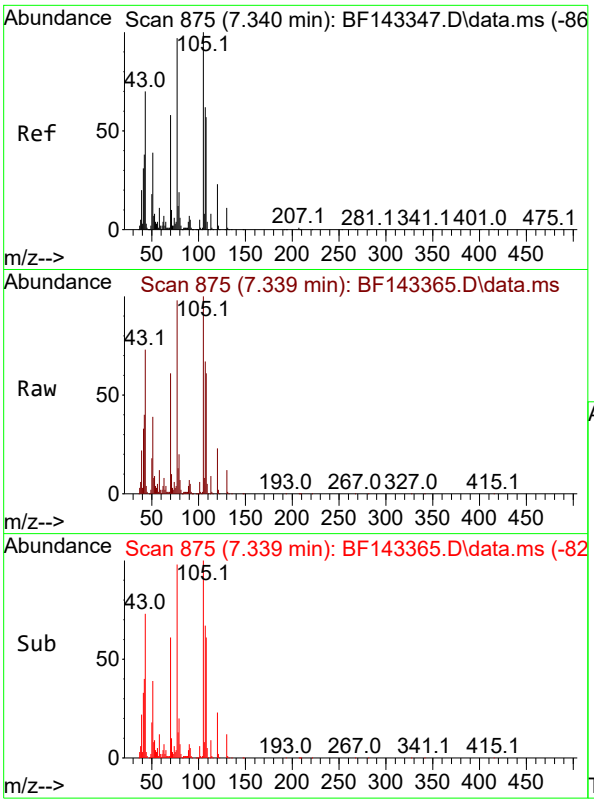


#18
Hexachloroethane
Concen: 40.381 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:117 Resp: 141162

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	100.7	77.2	115.8



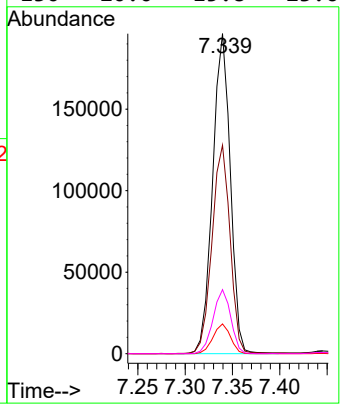


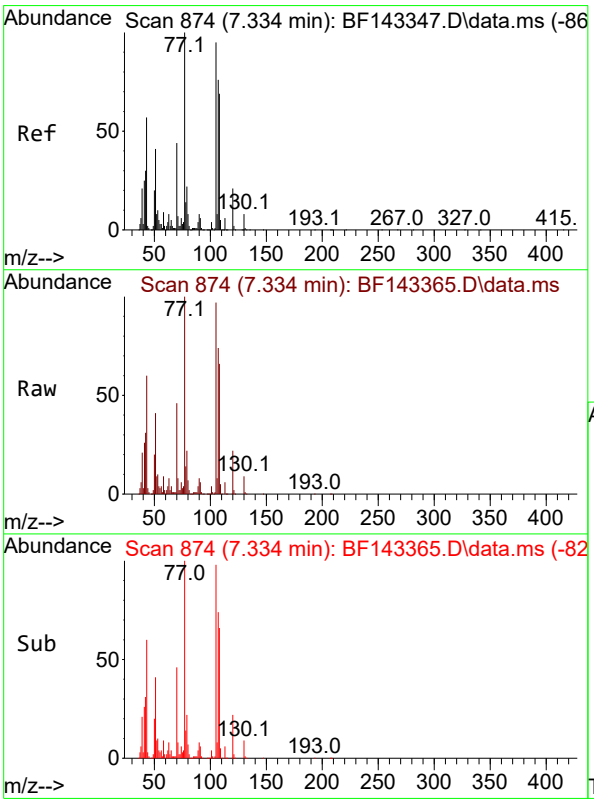
#19
n-Nitroso-di-n-propylamine
Concen: 35.828 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 255903

Ion	Ratio	Lower	Upper
70	100		
42	65.2	51.6	77.4
101	9.3	7.5	11.3
130	20.0	15.8	23.6

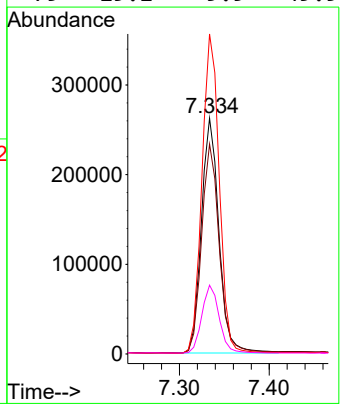


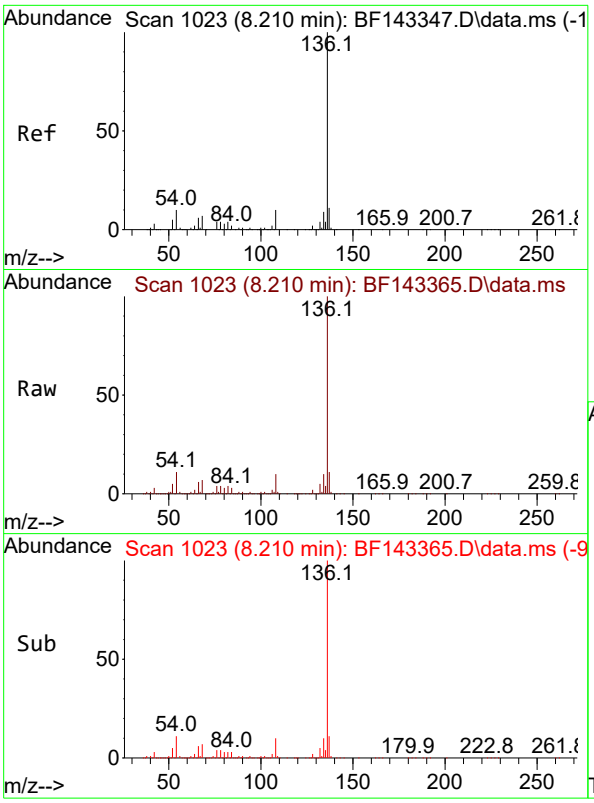


#20
3+4-Methylphenols
Concen: 36.261 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:107 Resp: 356538

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.6	110.6
77	135.7	112.0	152.0
79	29.2	9.9	49.9



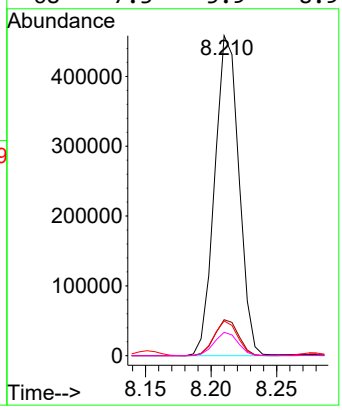


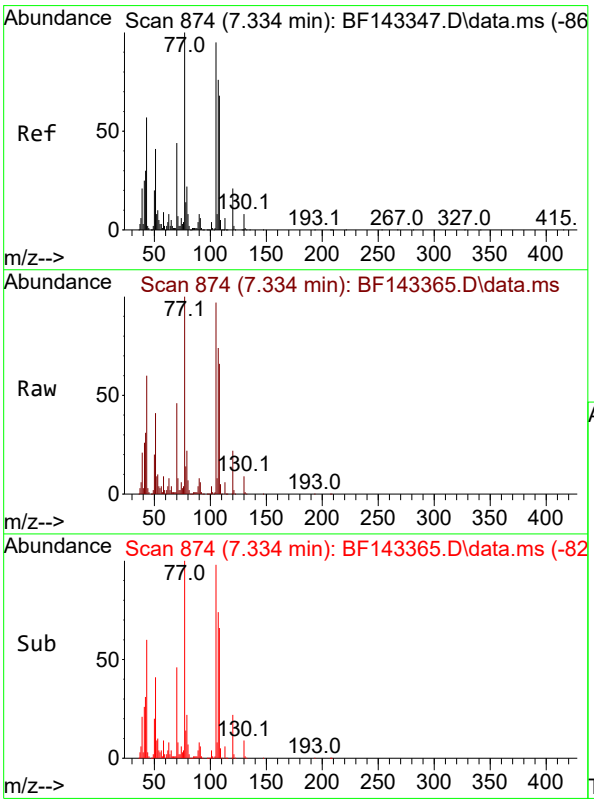
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 589243

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	10.8	8.4	12.6
68	7.3	5.9	8.9

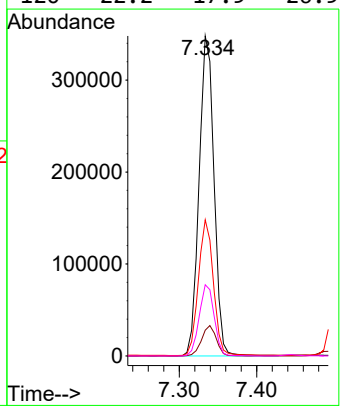


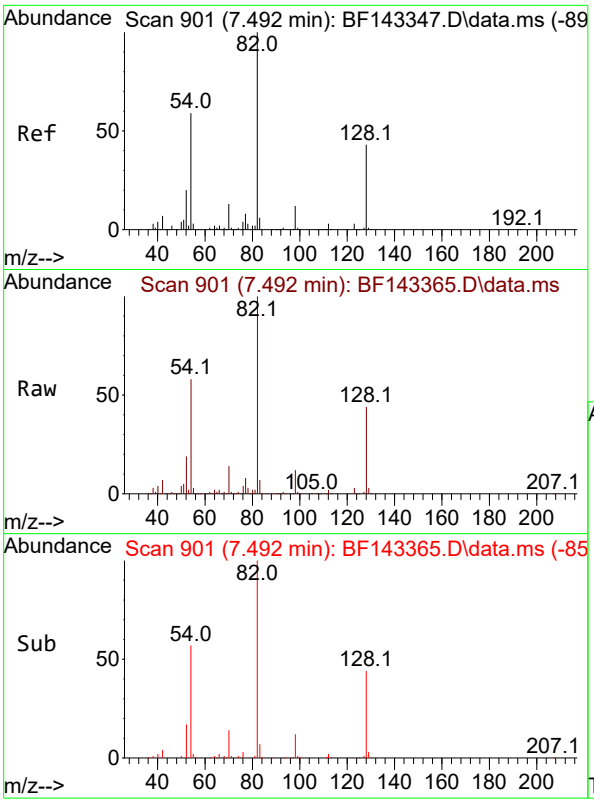


#22
Acetophenone
Concen: 35.949 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:105 Resp: 466722

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.2	9.4
51	42.5	34.8	52.2
120	22.2	17.9	26.9



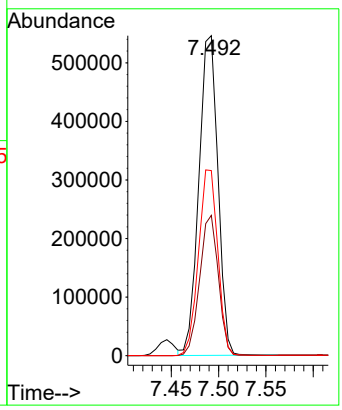


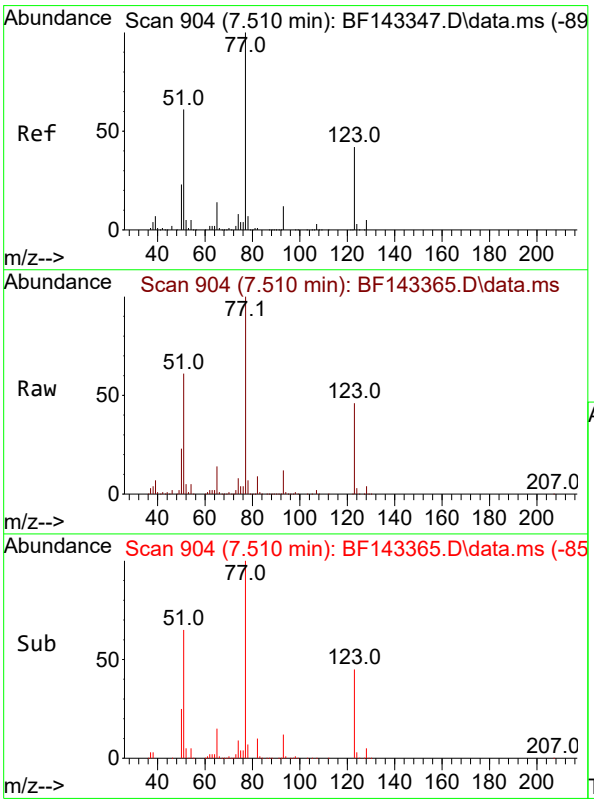
#23
Nitrobenzene-d5
Concen: 80.892 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 765414

Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.5	50.3
54	57.8	46.7	70.1

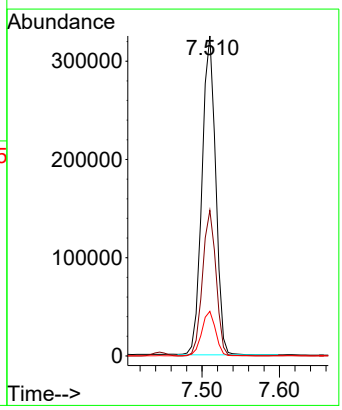


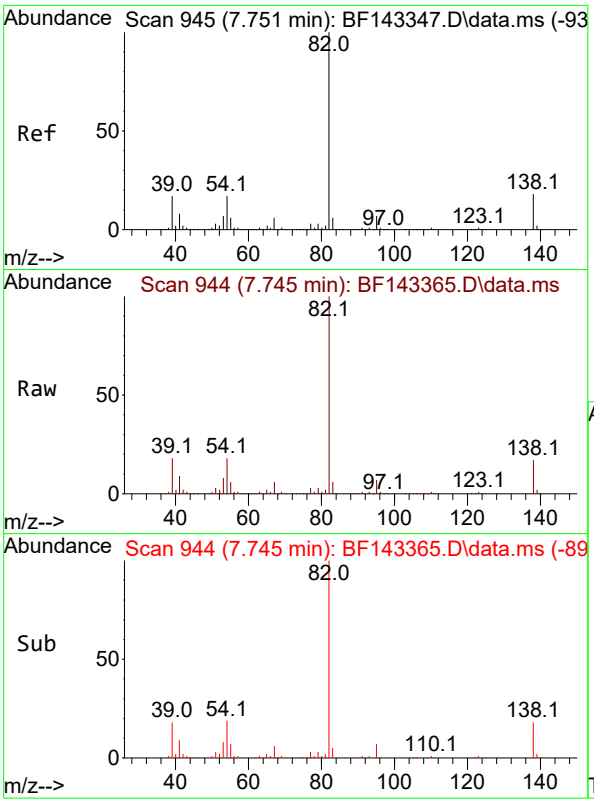


#24
Nitrobenzene
Concen: 38.773 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 77 Resp: 398446

Ion	Ratio	Lower	Upper
77	100		
123	45.5	34.8	52.2
65	14.0	11.0	16.6



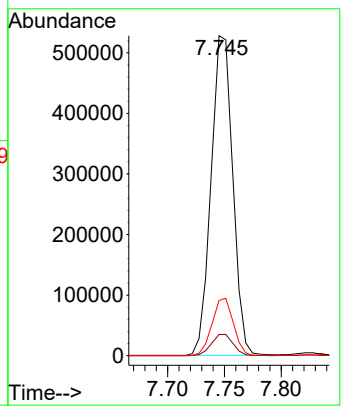


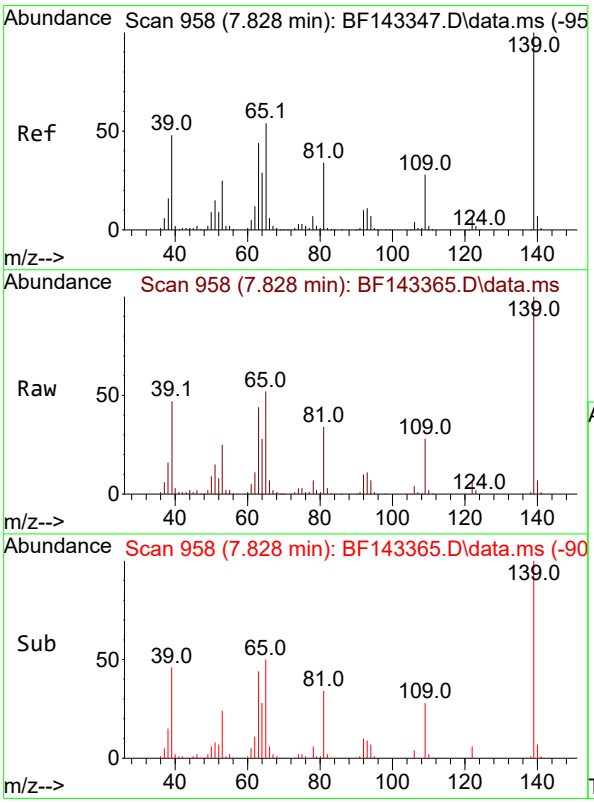
#25
Isophorone
Concen: 36.381 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 702757

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	17.3	14.6	21.8

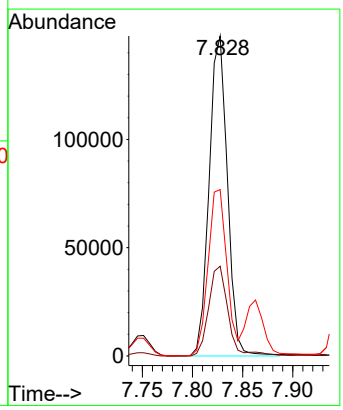


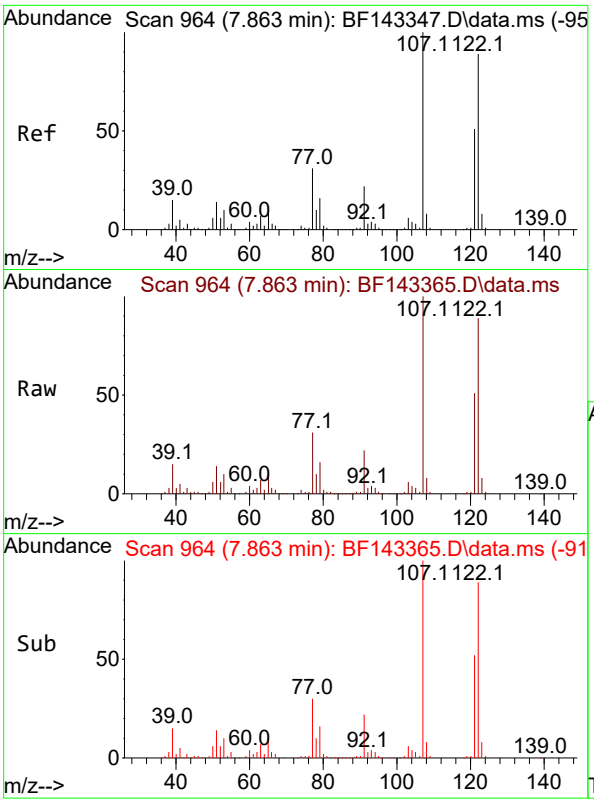


#26
2-Nitrophenol
Concen: 45.743 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:139 Resp: 187613

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.4	33.6
65	52.0	42.9	64.3



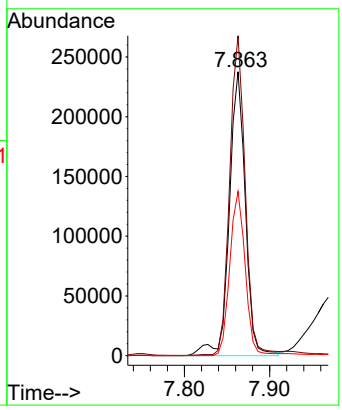


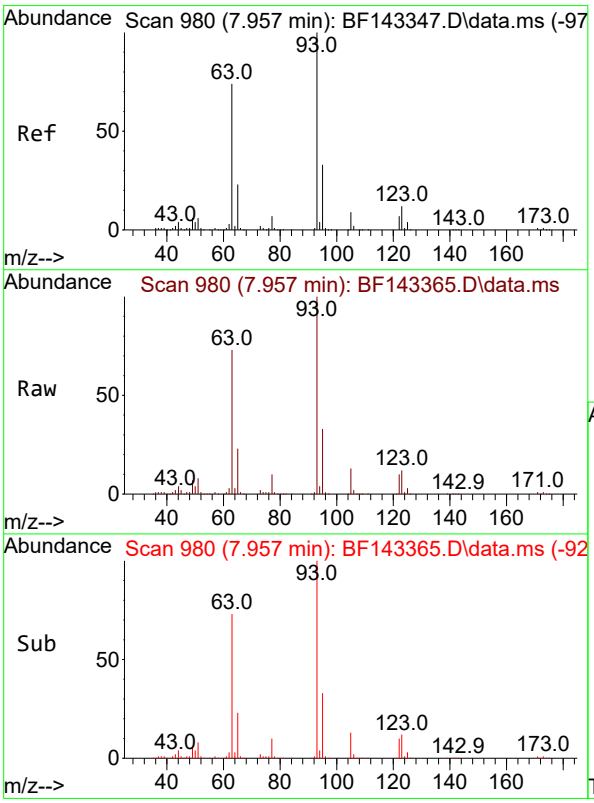
#27
2,4-Dimethylphenol
Concen: 38.616 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 311198

Ion	Ratio	Lower	Upper
122	100		
107	112.7	89.9	134.9
121	57.9	46.2	69.4

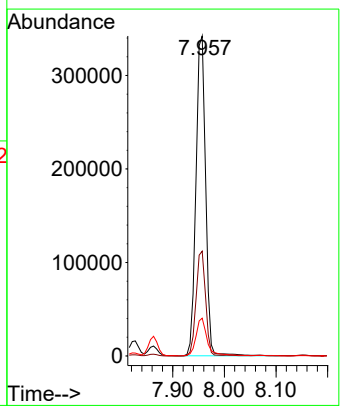


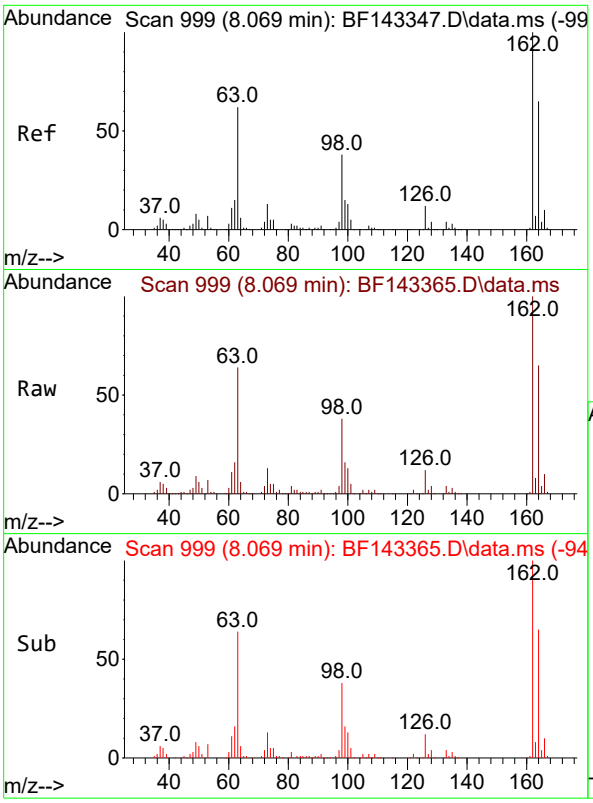


#28
bis(2-Chloroethoxy)methane
Concen: 37.694 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 93 Resp: 444549

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	11.8	9.4	14.2



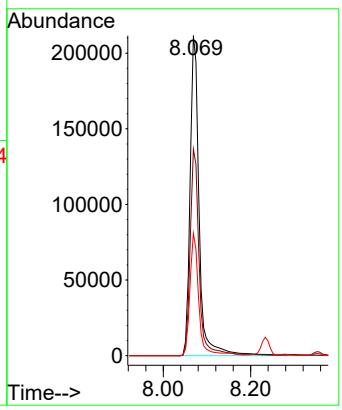


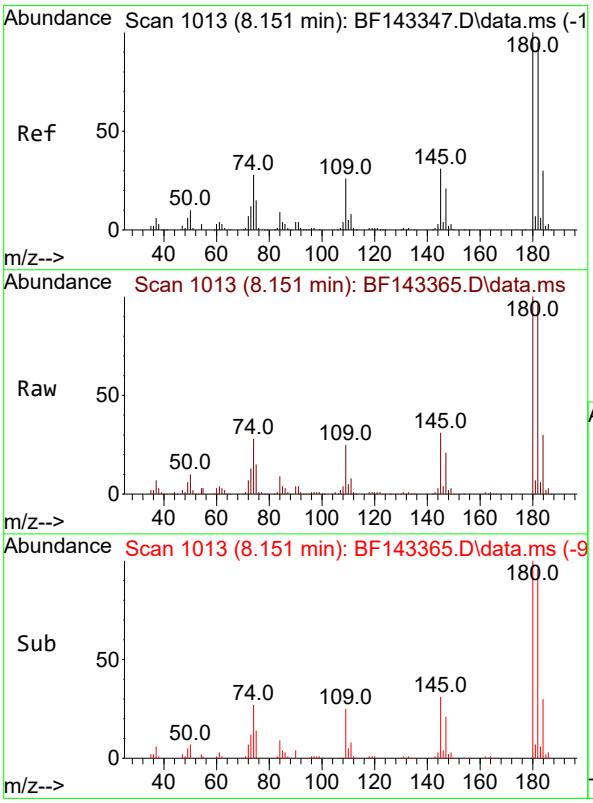
#29
2,4-Dichlorophenol
Concen: 38.733 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 304868

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.5	84.5
98	38.3	17.7	57.7

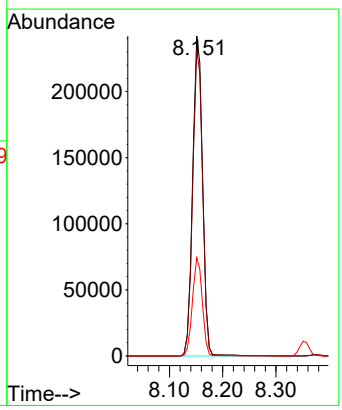


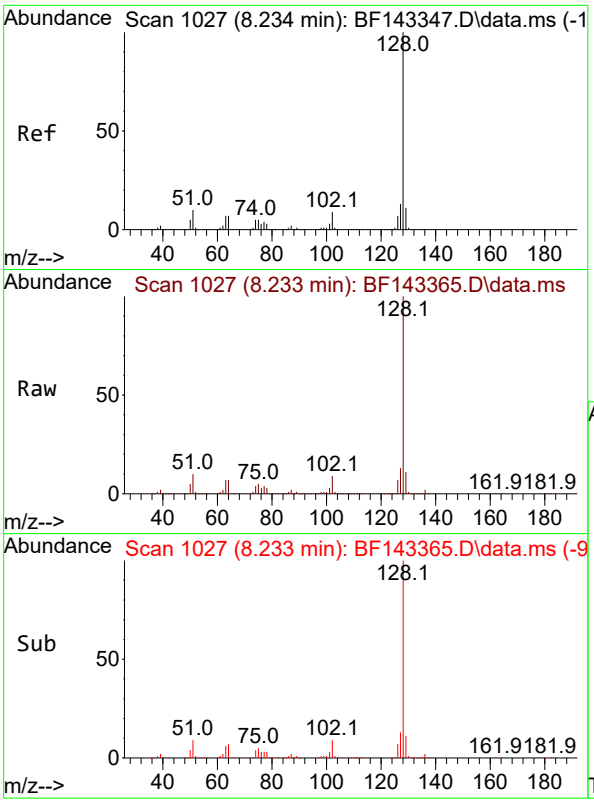


#30
1,2,4-Trichlorobenzene
Concen: 37.843 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:180 Resp: 314199

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	30.7	24.9	37.3



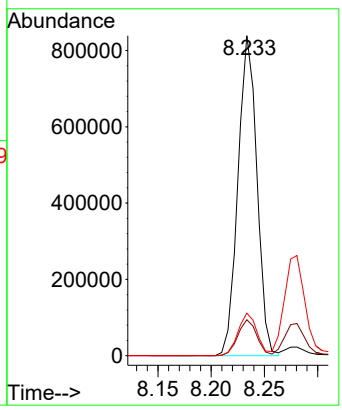


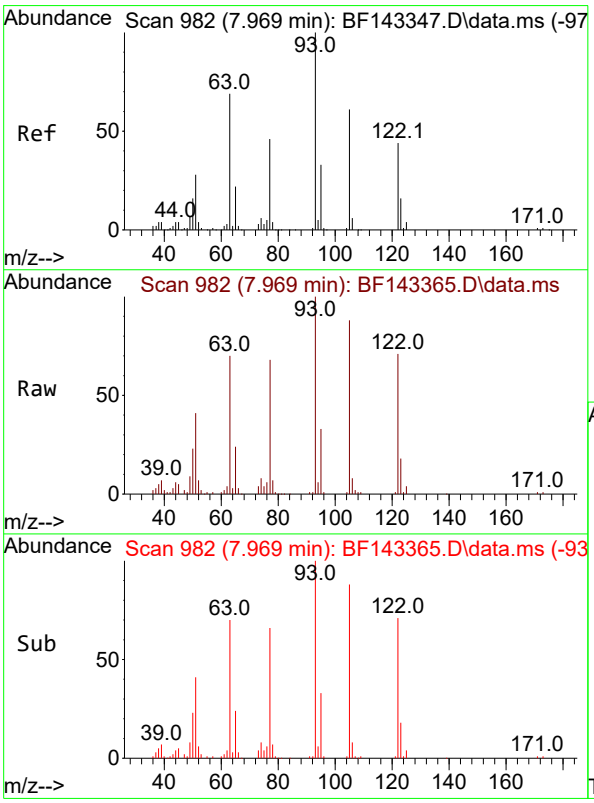
#31
Naphthalene
Concen: 36.636 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1038756

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.7	16.1

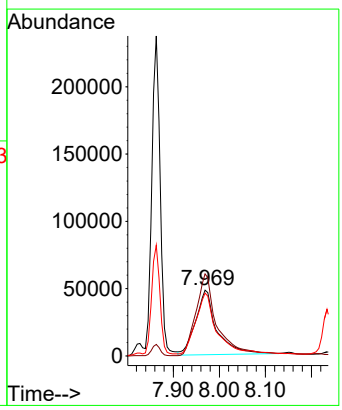


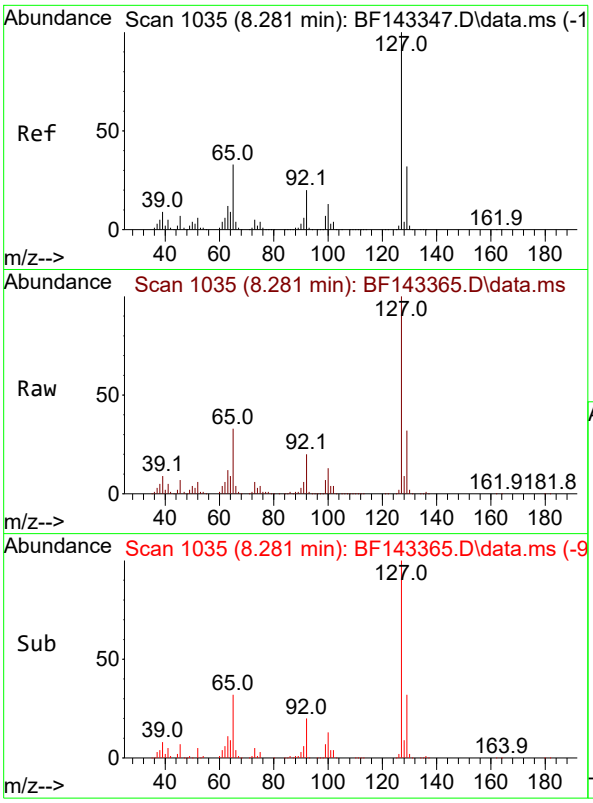


#32
Benzoic acid
Concen: 44.806 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:122 Resp: 153094

Ion	Ratio	Lower	Upper
122	100		
105	124.8	106.4	146.4
77	95.7	79.2	119.2



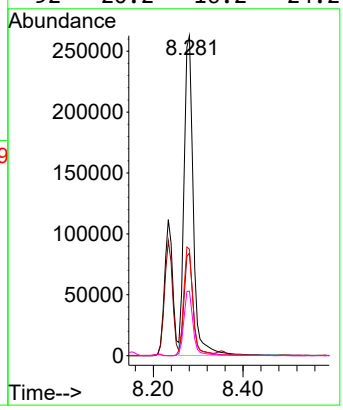


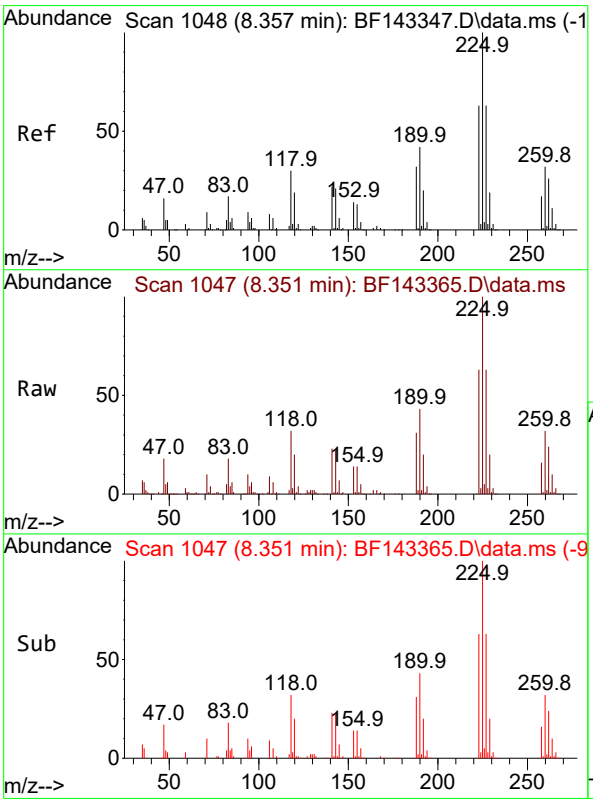
#33
4-Chloroaniline
Concen: 36.478 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 373044

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	33.3	27.0	40.4
92	20.2	16.2	24.2

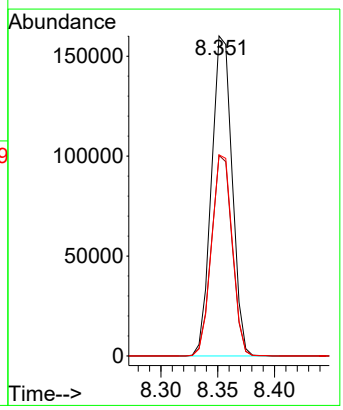


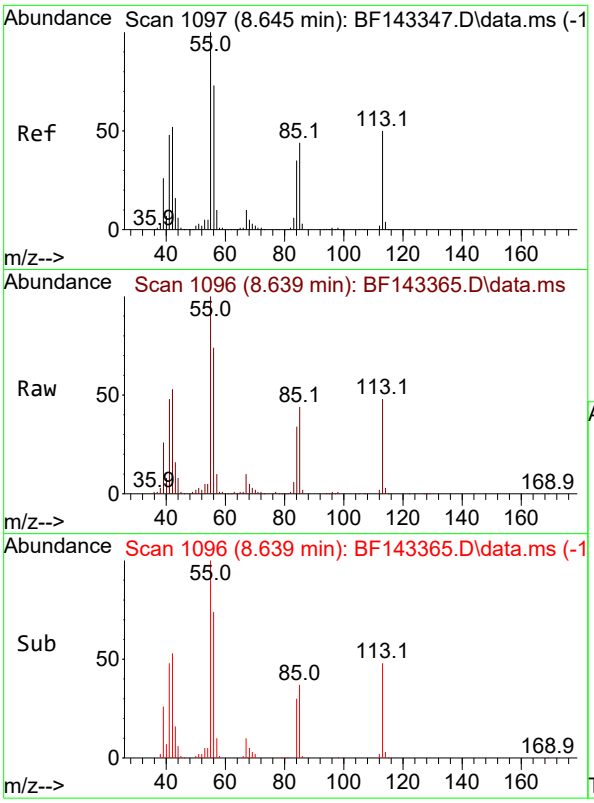


#34
Hexachlorobutadiene
Concen: 39.158 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:225 Resp: 202244

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.1	75.1
227	62.8	50.6	75.8



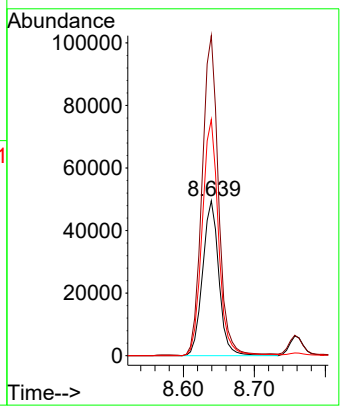


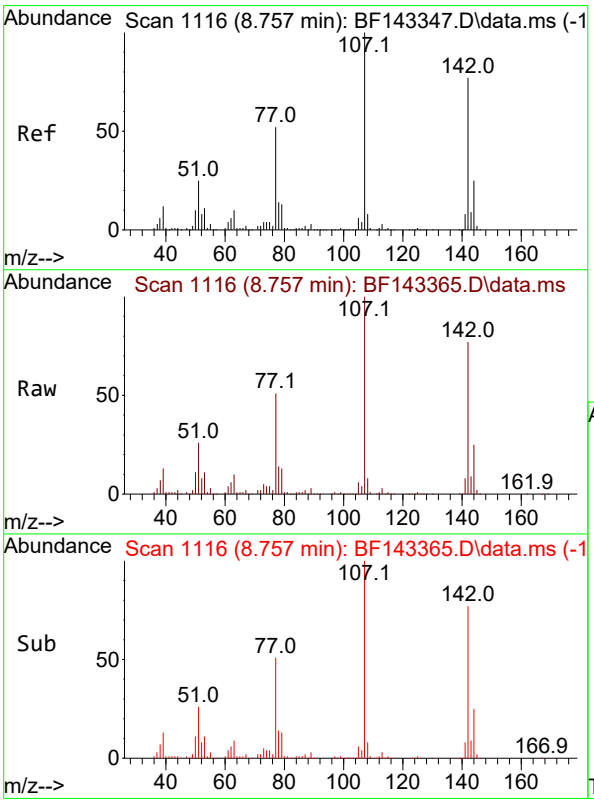
#35
Caprolactam
Concen: 35.661 ng
RT: 8.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 78907

Ion	Ratio	Lower	Upper
113	100		
55	206.6	181.4	221.4
56	152.5	127.3	167.3

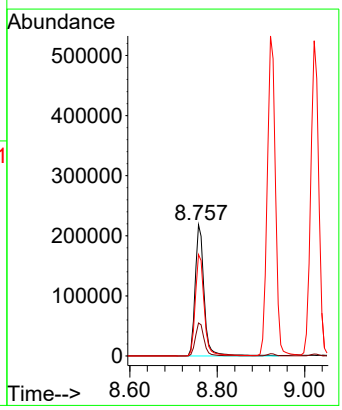


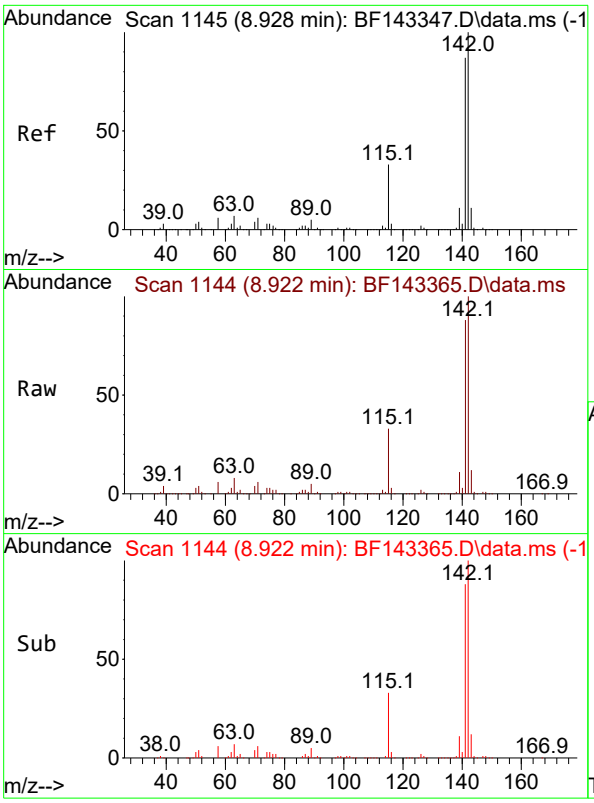


#36
4-Chloro-3-methylphenol
Concen: 37.312 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:107 Resp: 307883

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.0	30.0
142	77.3	61.3	91.9



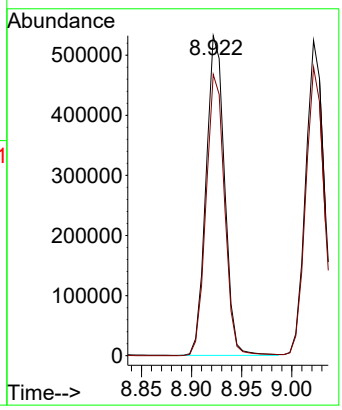


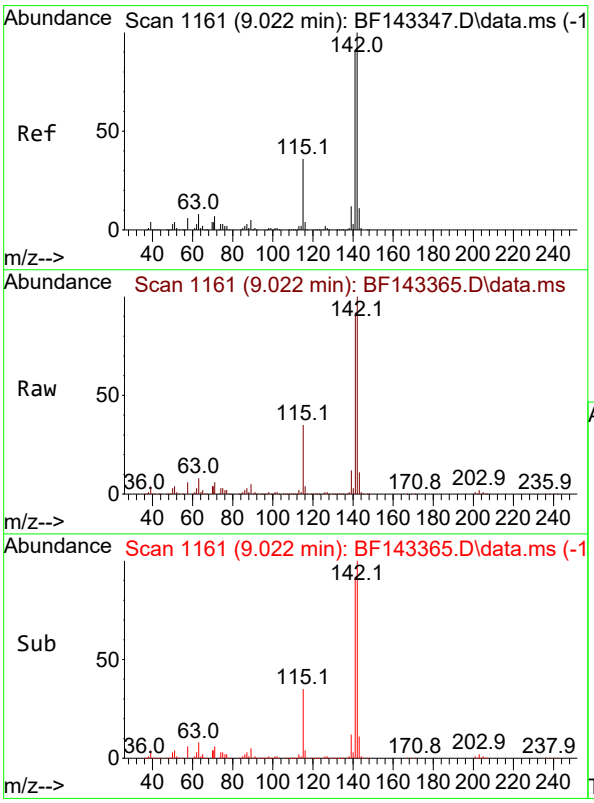
#37
2-Methylnaphthalene
Concen: 36.699 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 684082

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.8	104.8

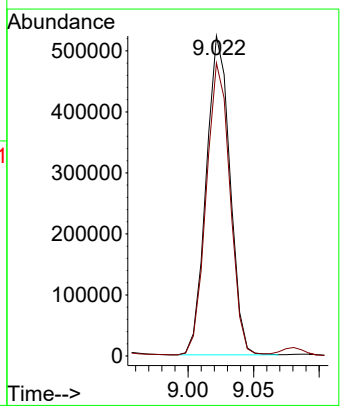


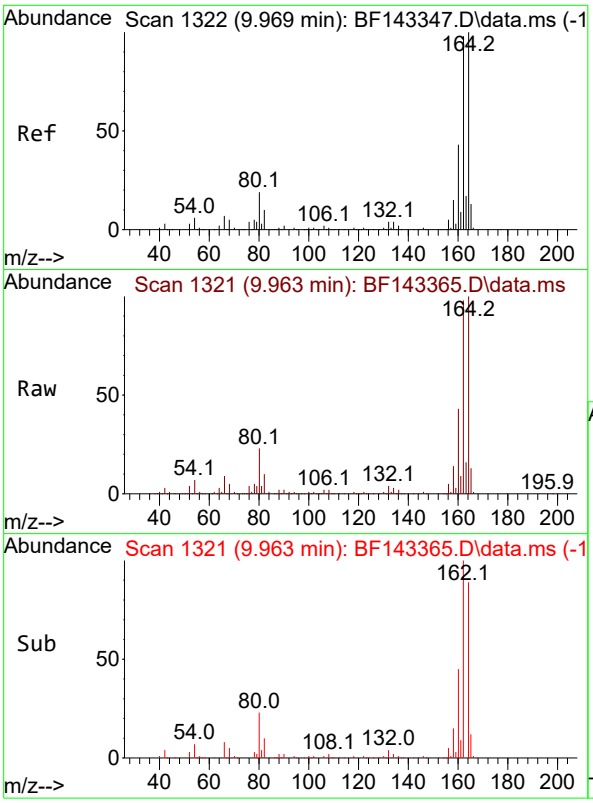


#38
1-Methylnaphthalene
Concen: 36.634 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:142 Resp: 657684

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4



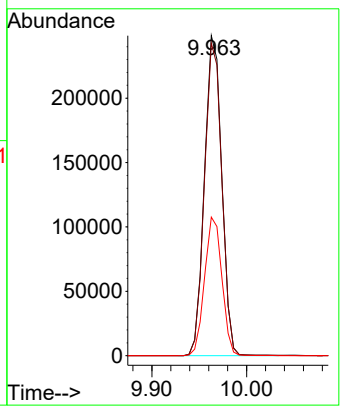


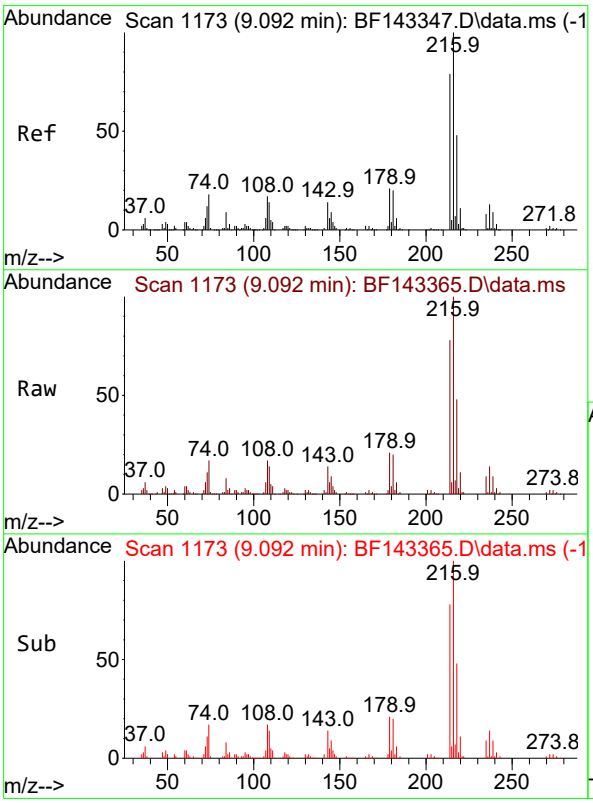
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 314886

Ion	Ratio	Lower	Upper
164	100		
162	97.7	78.6	118.0
160	43.3	34.4	51.6

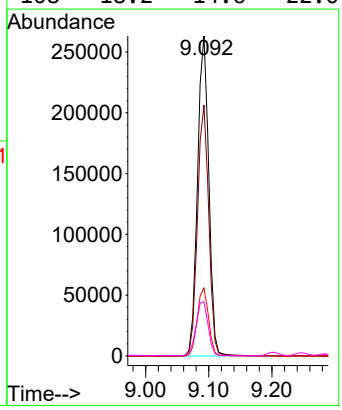


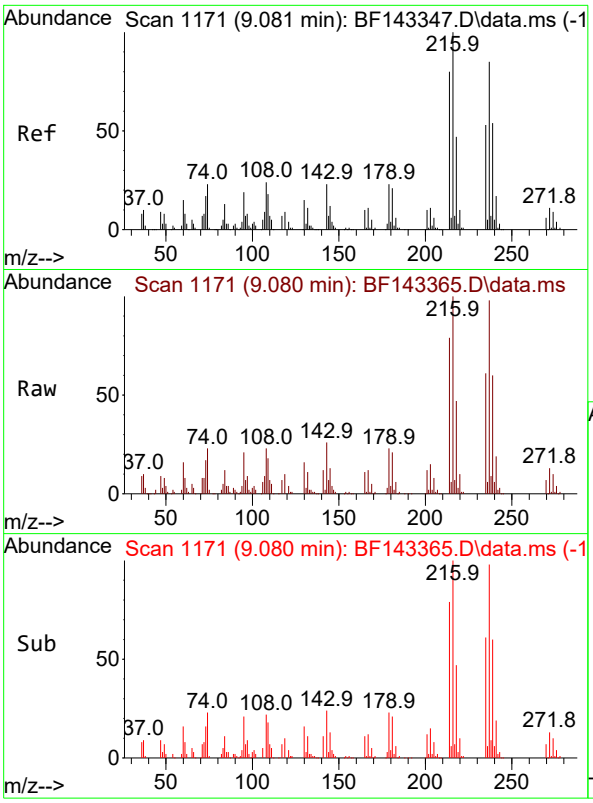


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.763 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:216 Resp: 325394

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.2	17.0	25.4
108	18.2	14.6	22.0



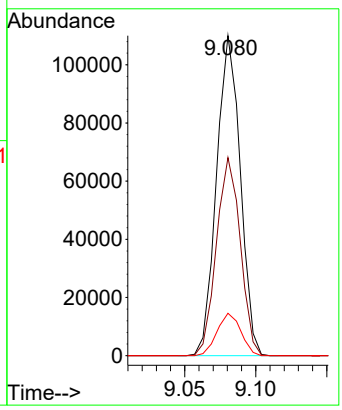


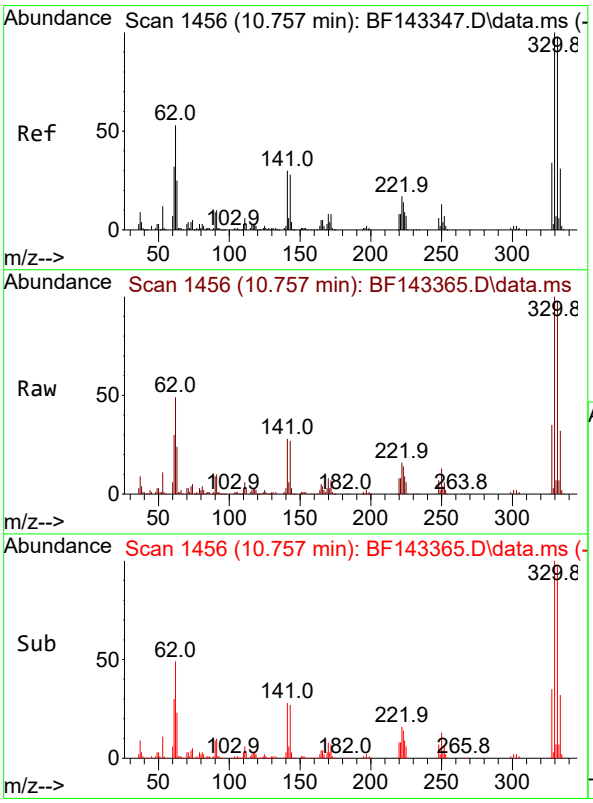
#41
Hexachlorocyclopentadiene
Concen: 45.170 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 127734

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.0	82.0
272	13.3	0.0	32.6

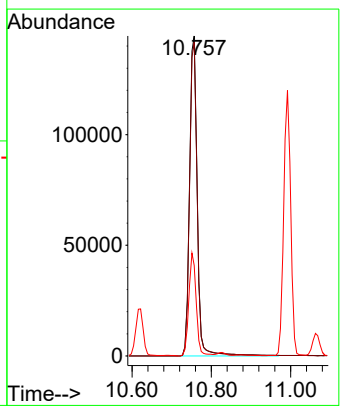


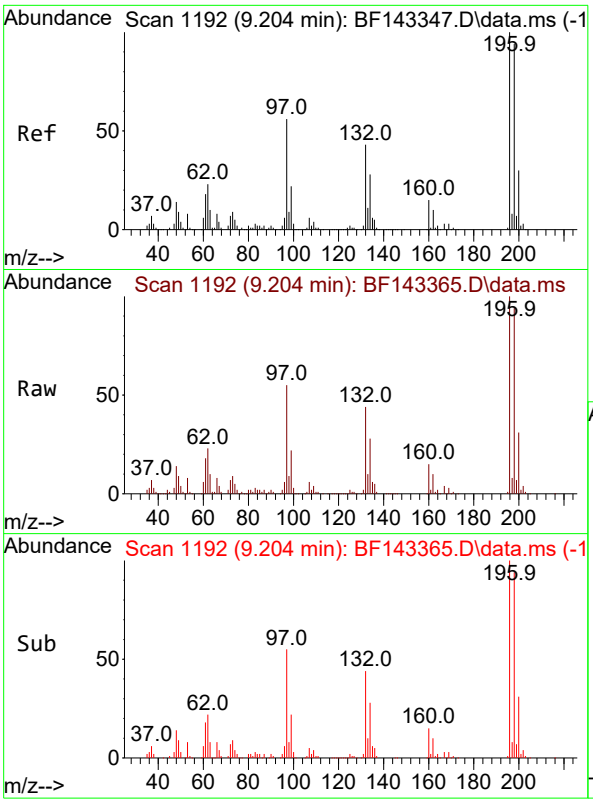


#42
2,4,6-Tribromophenol
Concen: 84.775 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:330 Resp: 195089

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	30.9	25.4	38.0



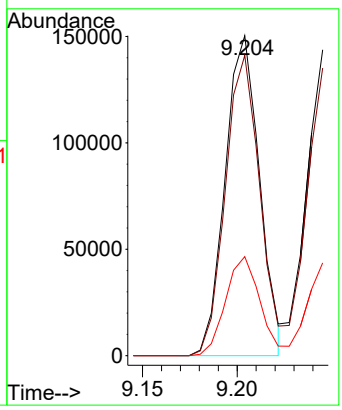


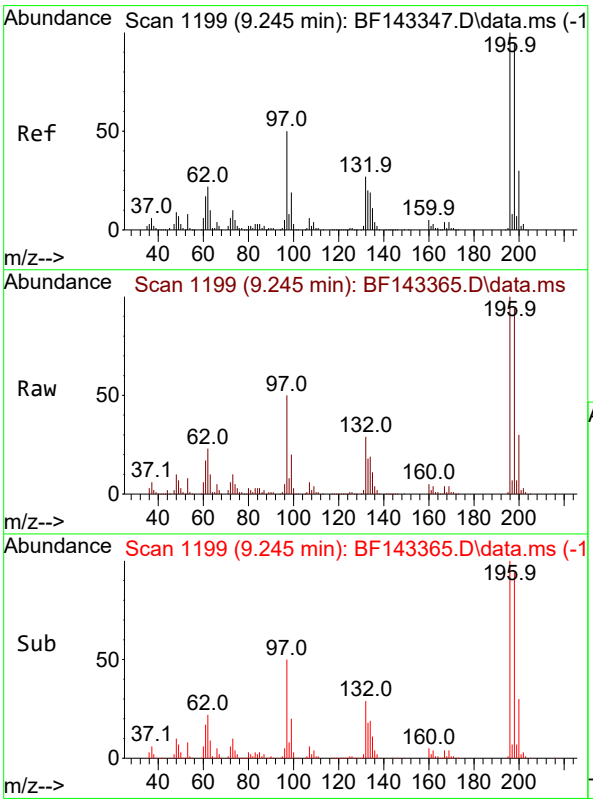
#43
2,4,6-Trichlorophenol
Concen: 38.847 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 189921

Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.4	113.0
200	31.0	24.3	36.5

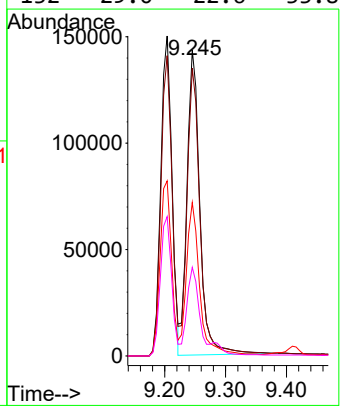


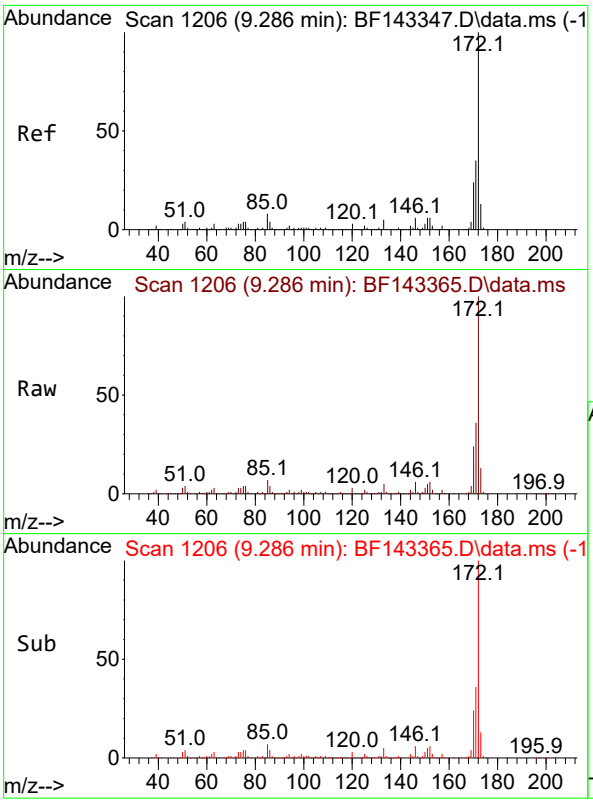


#44
2,4,5-Trichlorophenol
Concen: 38.112 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:196 Resp: 210414

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.4	113.2
97	50.2	39.9	59.9
132	29.0	22.6	33.8



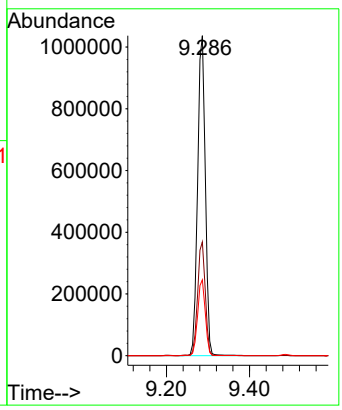


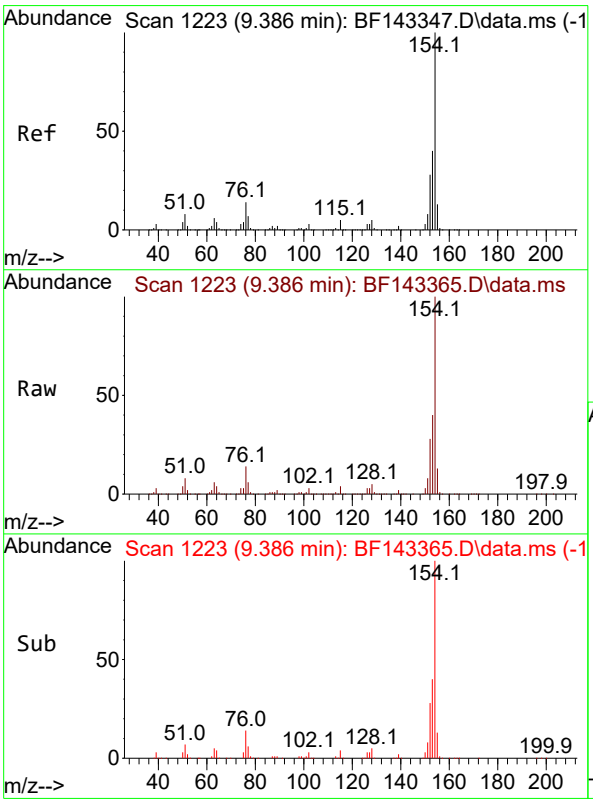
#45
2-Fluorobiphenyl
Concen: 72.088 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1338604

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.4	42.6
170	23.7	19.1	28.7

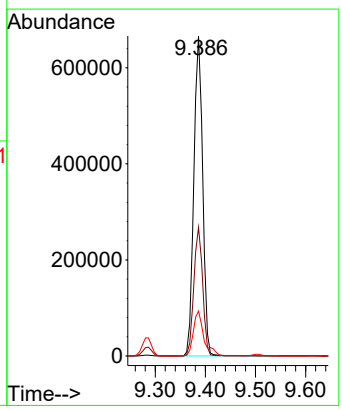


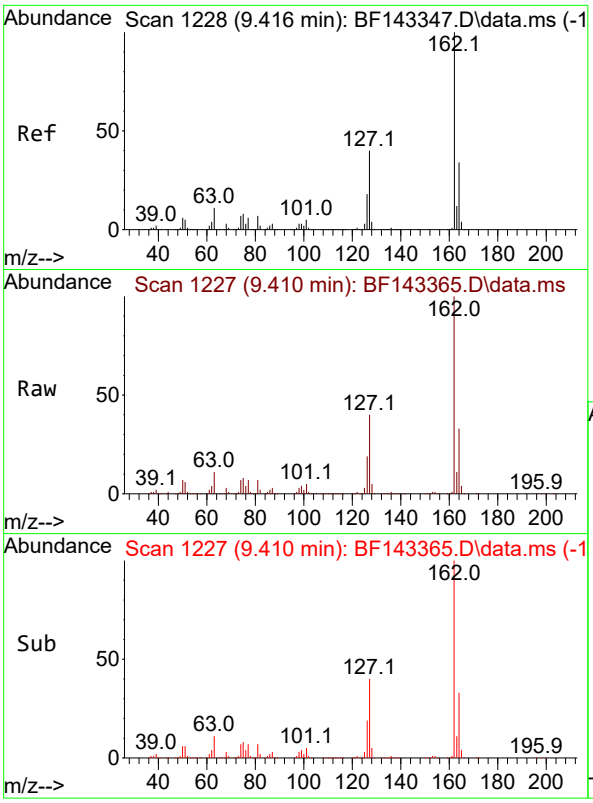


#46
1,1'-Biphenyl
Concen: 36.625 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:154 Resp: 815422

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	14.0	0.0	34.4



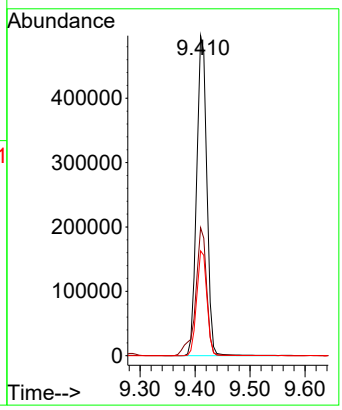


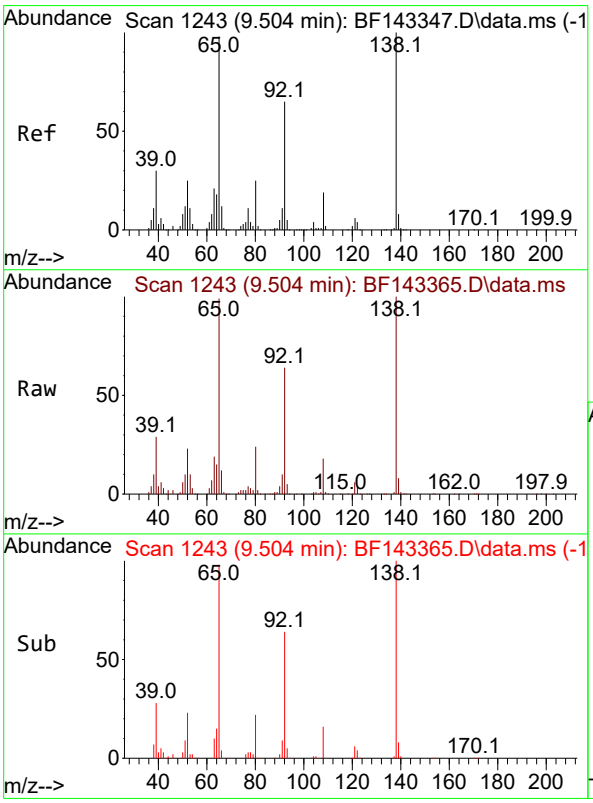
#47
2-Chloronaphthalene
Concen: 36.637 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 642420

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.1	48.1
164	32.7	27.0	40.4

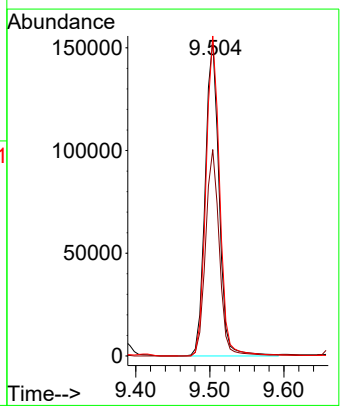


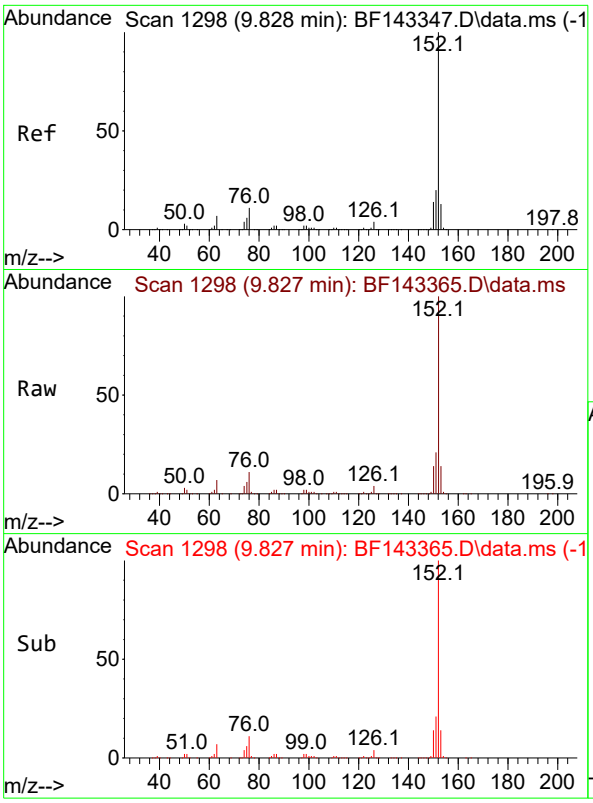


#48
2-Nitroaniline
Concen: 39.994 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion: 65 Resp: 199781

Ion	Ratio	Lower	Upper
65	100		
92	65.4	53.1	79.7
138	101.3	81.4	122.0



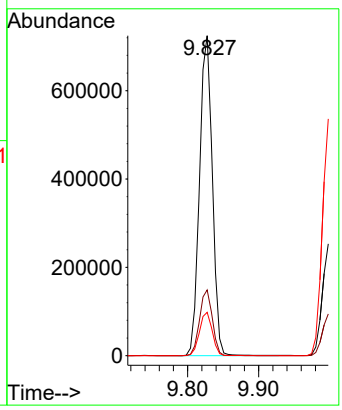


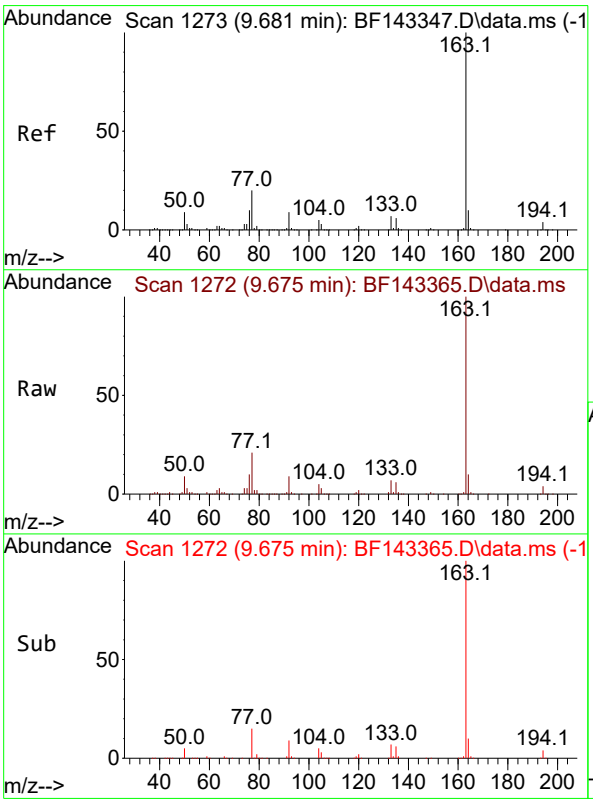
#49
Acenaphthylene
Concen: 36.019 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 912085

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.6	10.6	16.0

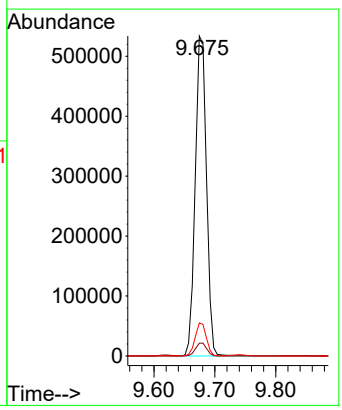


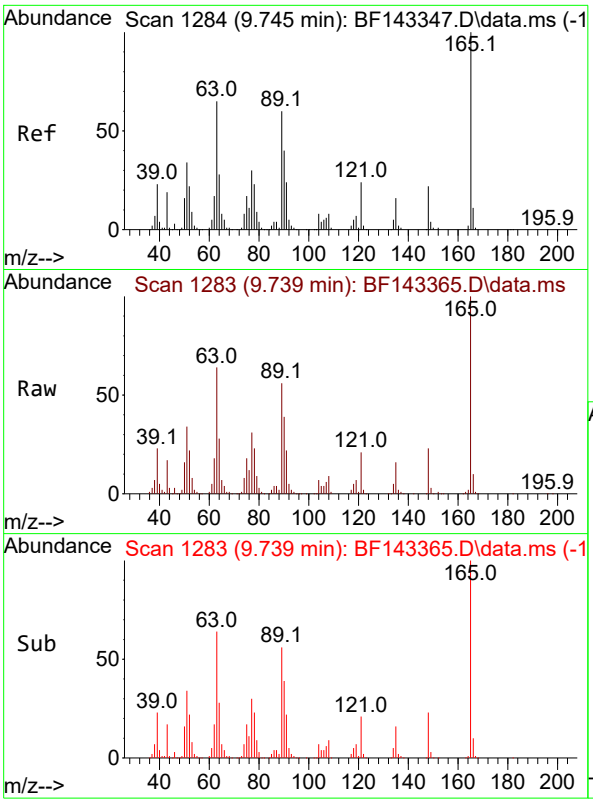


#50
Dimethylphthalate
Concen: 37.229 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:163 Resp: 684989

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.2	12.2



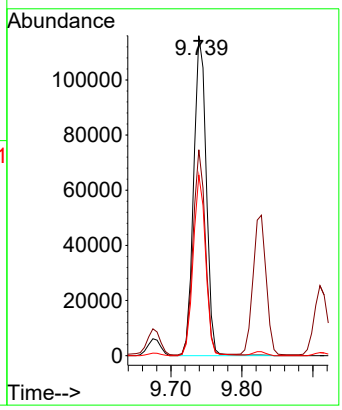


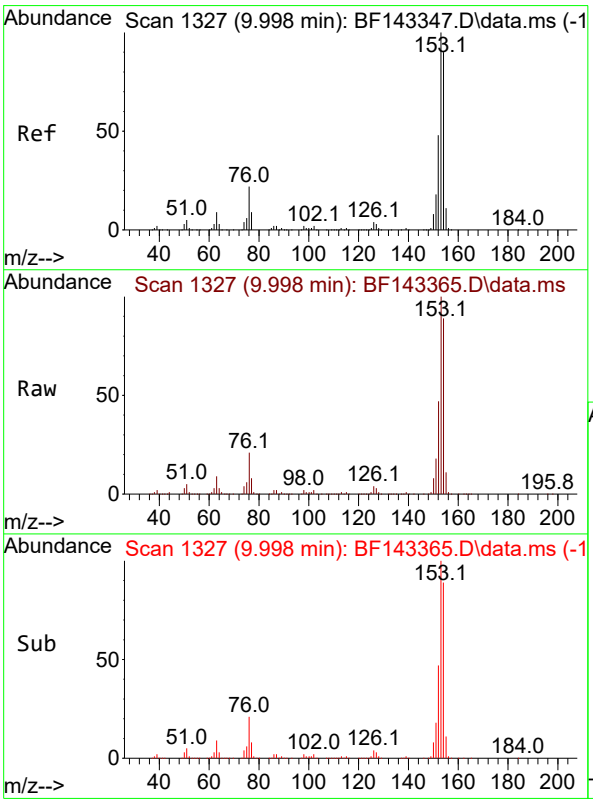
#51
2,6-Dinitrotoluene
Concen: 41.532 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 143121

Ion	Ratio	Lower	Upper
165	100		
63	64.3	51.6	77.4
89	56.4	47.7	71.5

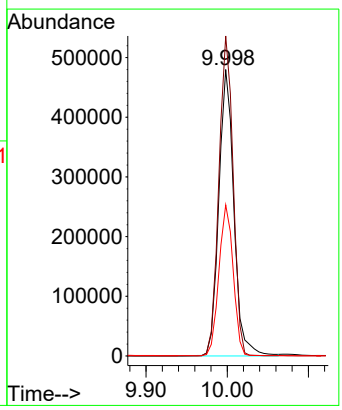


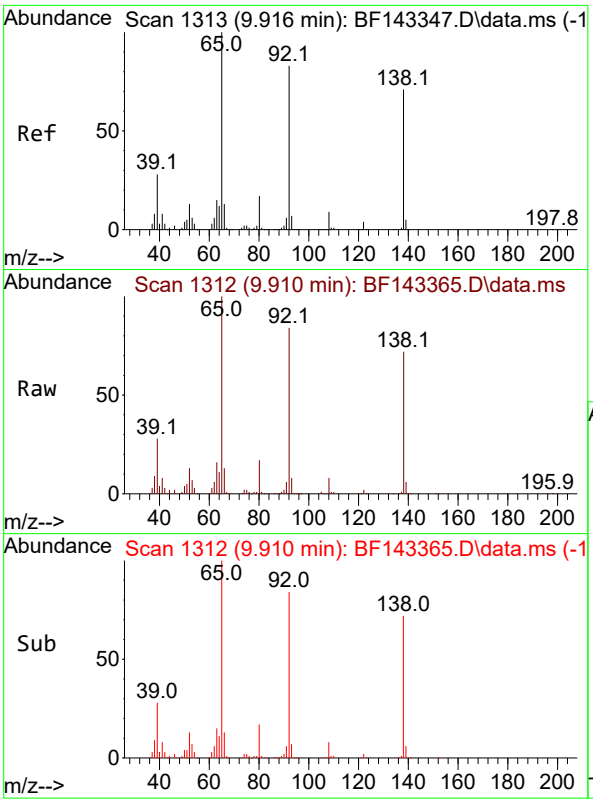


#52
Acenaphthene
Concen: 36.969 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:154 Resp: 622352

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.5	132.7
152	52.8	42.4	63.6



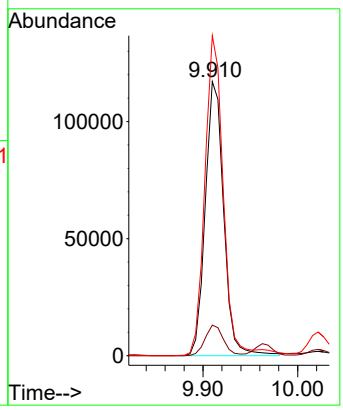


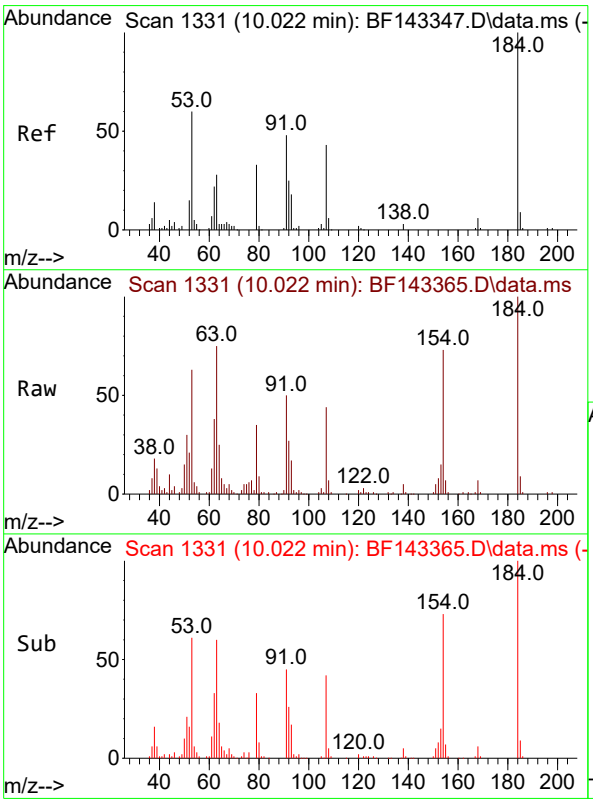
#53
3-Nitroaniline
Concen: 41.943 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 158044

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.6	14.4
92	116.8	93.4	140.2

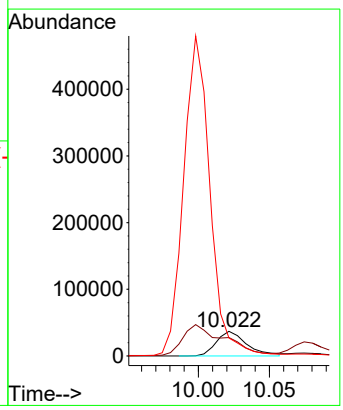


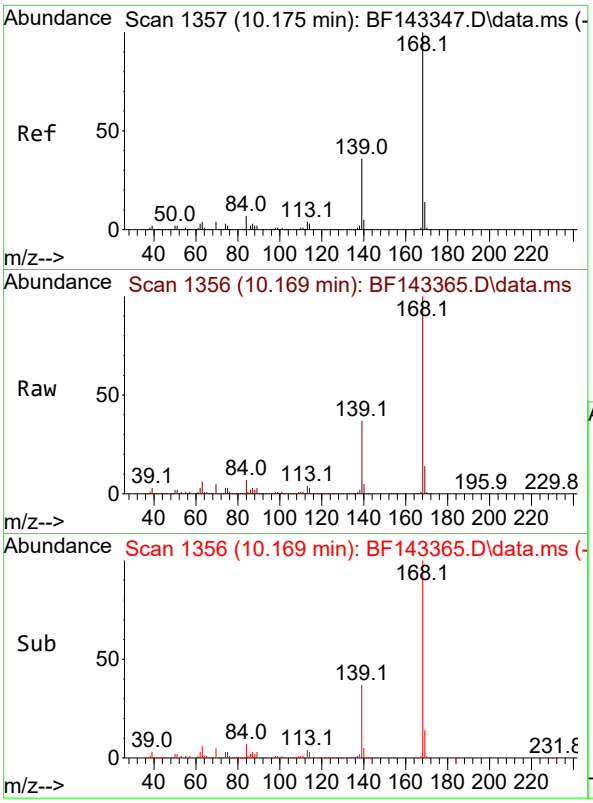


#54
2,4-Dinitrophenol
Concen: 47.847 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:184 Resp: 54988

Ion	Ratio	Lower	Upper
184	100		
63	75.2	62.5	93.7
154	73.0	73.0	109.4



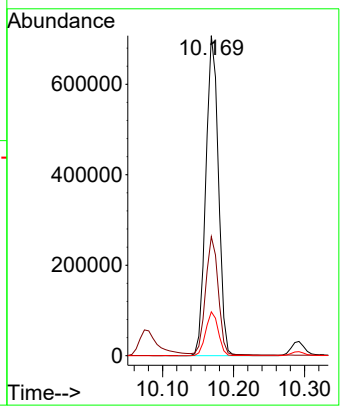


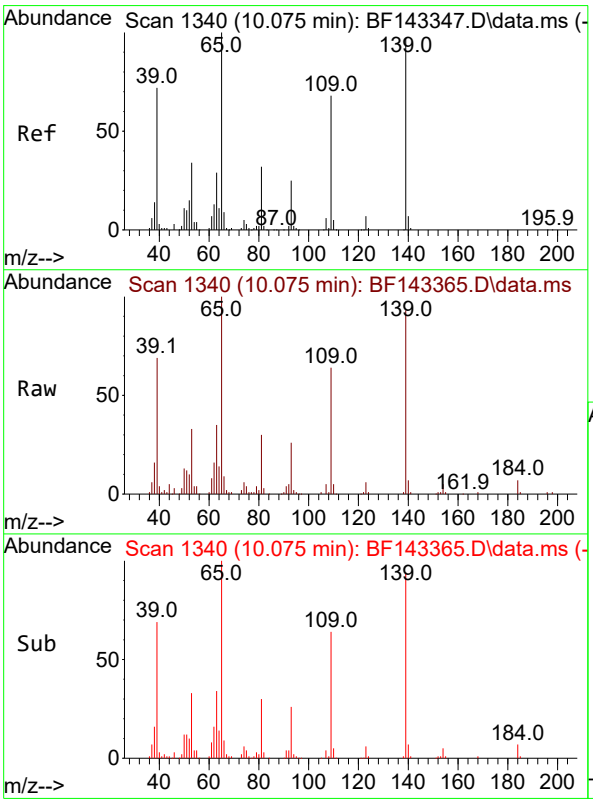
#55
Dibenzofuran
Concen: 36.166 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 876245

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.4	44.0
169	13.7	11.0	16.6

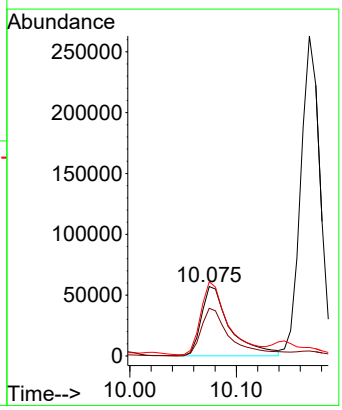


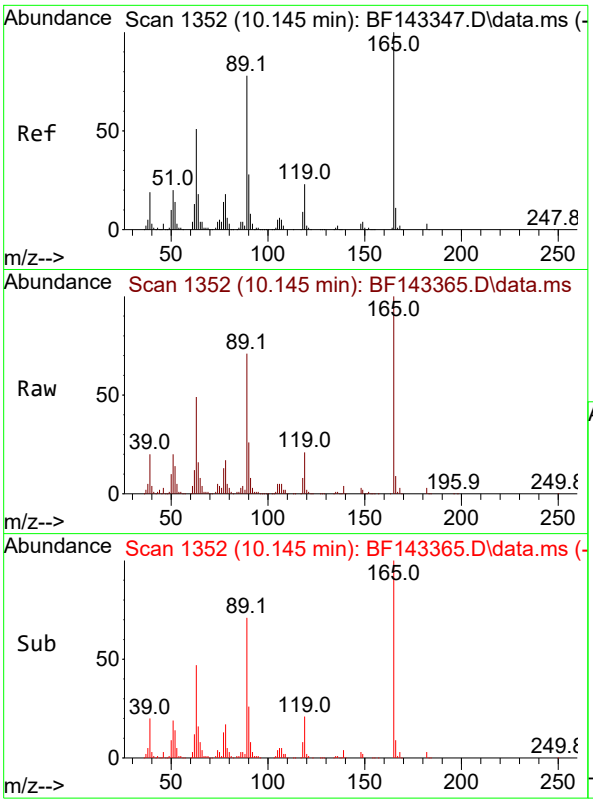


#56
4-Nitrophenol
Concen: 38.411 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:139 Resp: 106466

Ion	Ratio	Lower	Upper
139	100		
109	68.7	49.4	89.4
65	107.1	83.7	123.7



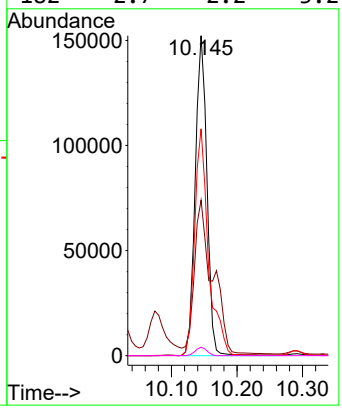


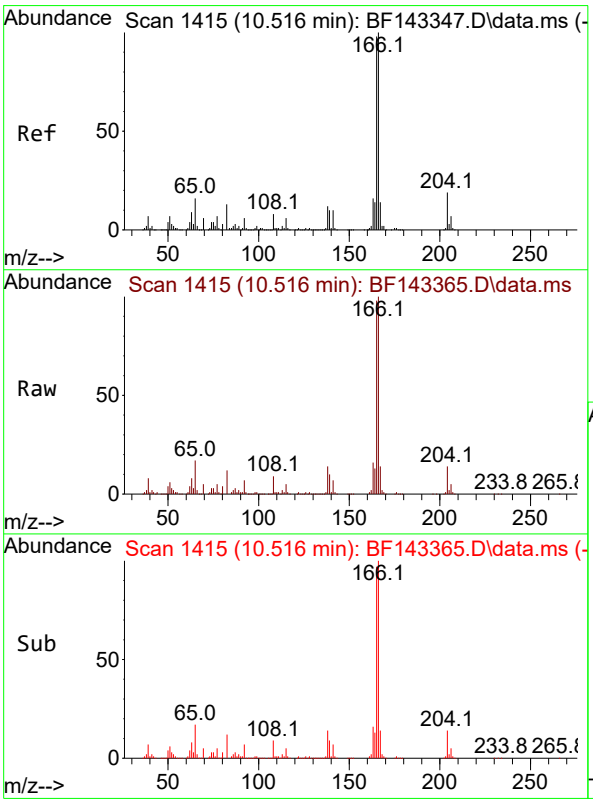
#57
2,4-Dinitrotoluene
Concen: 41.474 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 189595

Ion	Ratio	Lower	Upper
165	100		
63	48.6	41.8	62.8
89	70.9	62.4	93.6
182	2.7	2.2	3.2

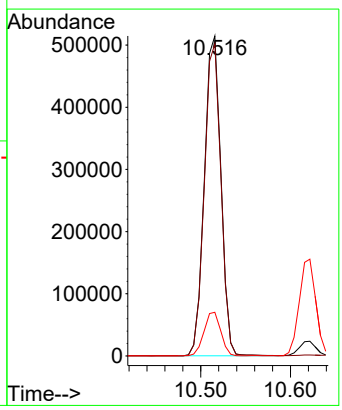


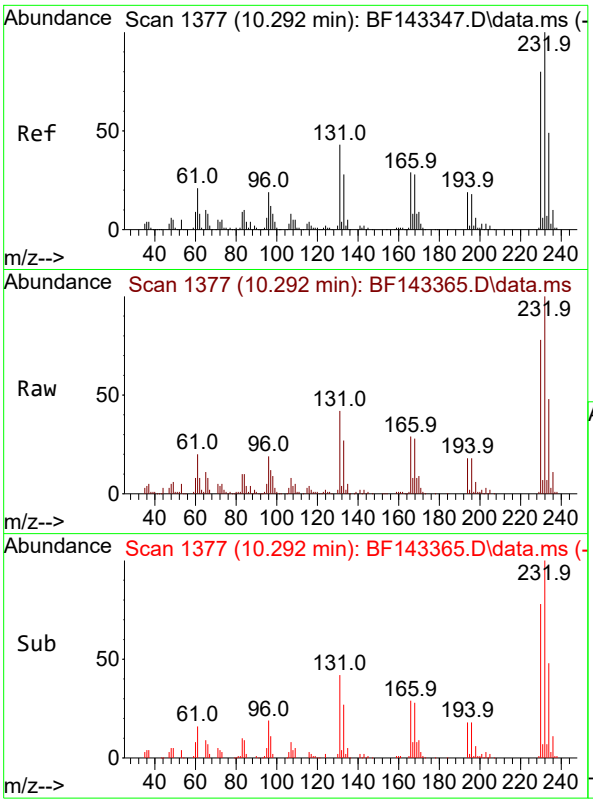


#58
Fluorene
Concen: 35.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:166 Resp: 660928

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.7	10.9	16.3



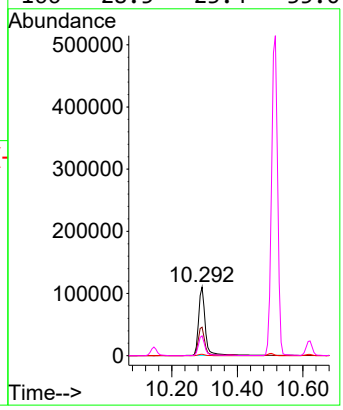


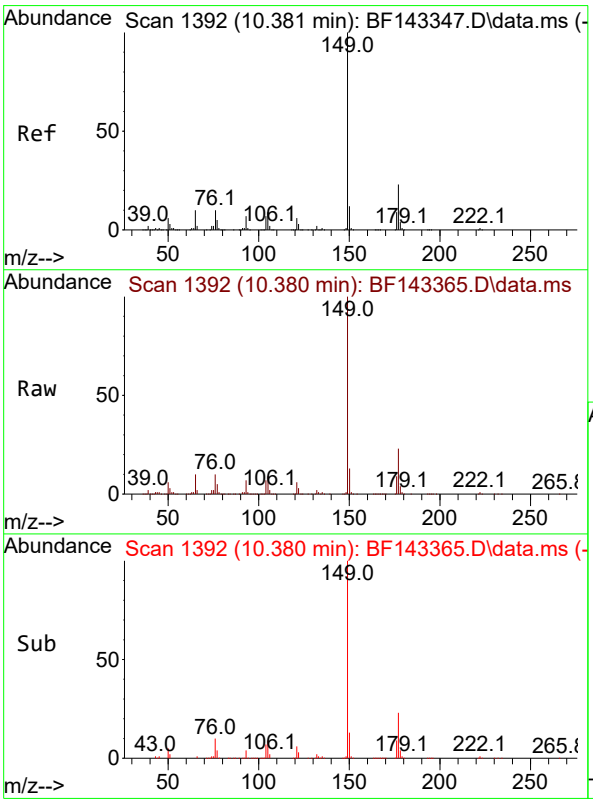
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.436 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 157931

Ion	Ratio	Lower	Upper
232	100		
131	41.5	34.6	51.8
130	2.0	1.7	2.5
166	28.5	23.4	35.0

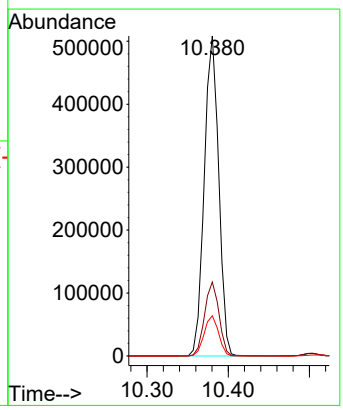


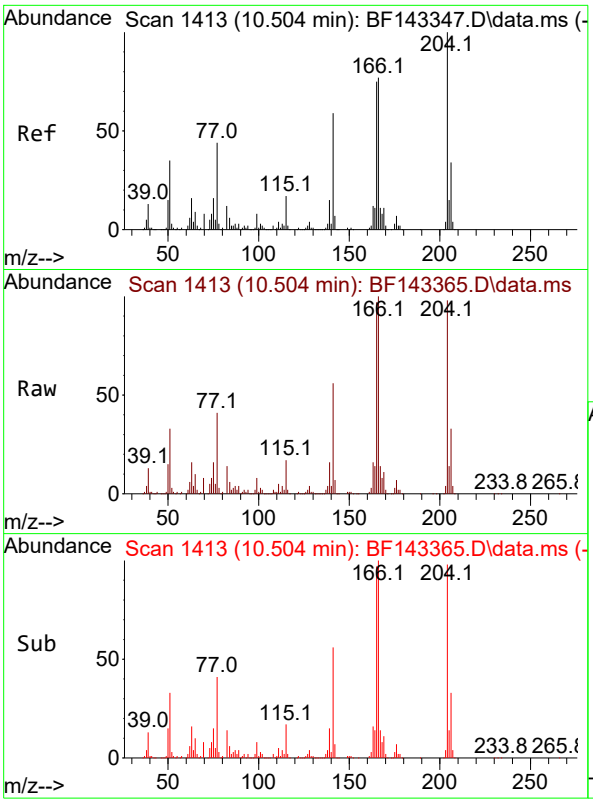


#60
Diethylphthalate
Concen: 38.014 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:149 Resp: 626496

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.5	9.9	14.9



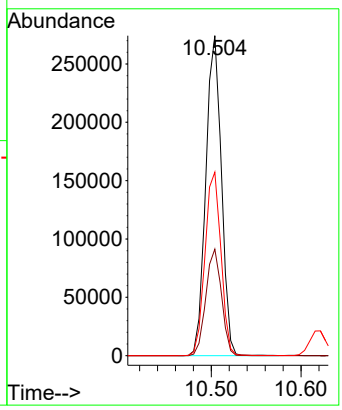


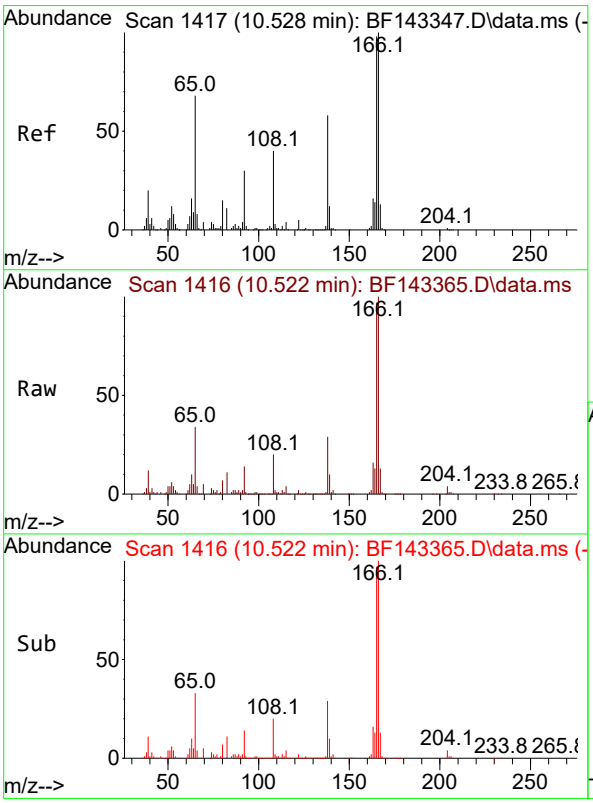
#61
4-Chlorophenyl-phenylether
Concen: 37.027 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 331103

Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.4	41.2
141	57.3	46.9	70.3

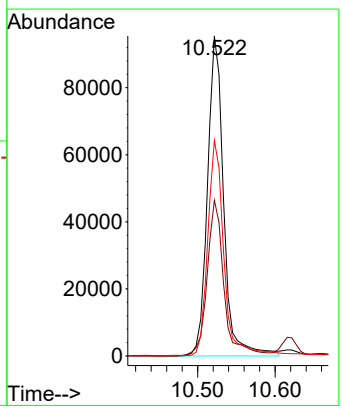


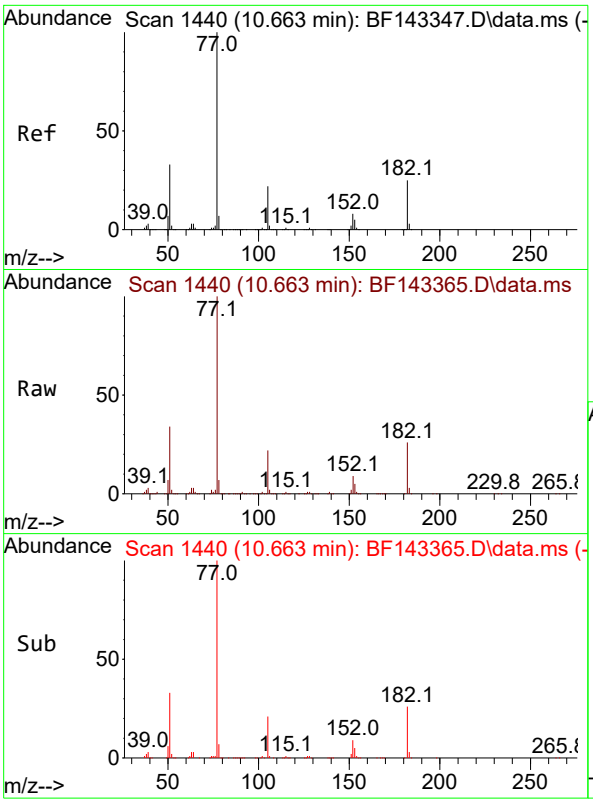


#62
4-Nitroaniline
Concen: 37.977 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:138 Resp: 138449

Ion	Ratio	Lower	Upper
138	100		
92	48.7	31.2	71.2
108	67.3	48.1	88.1



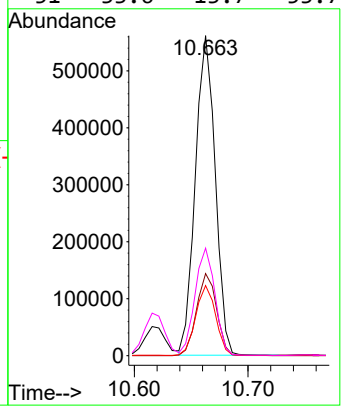


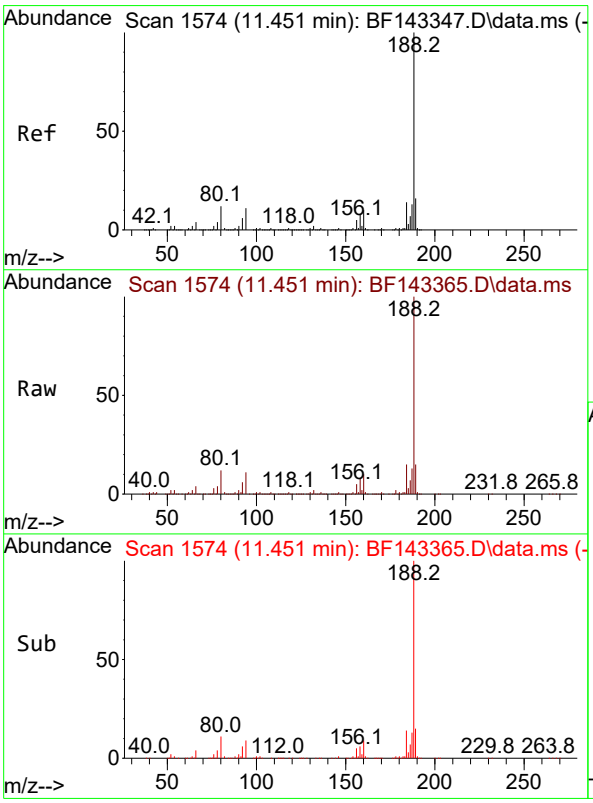
#63
Azobenzene
Concen: 36.252 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 682418

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.4	44.4
105	21.9	1.8	41.8
51	33.6	13.7	53.7

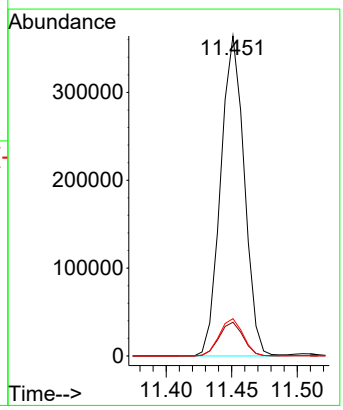


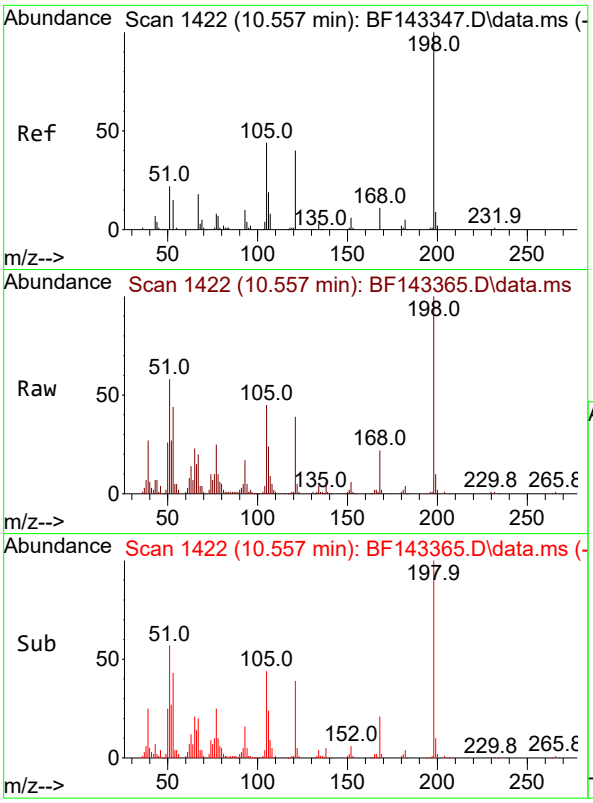


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:188 Resp: 455320

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.8	13.2
80	11.7	9.7	14.5



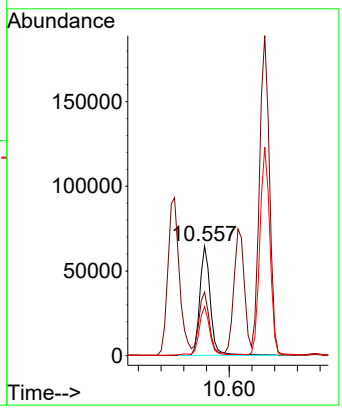


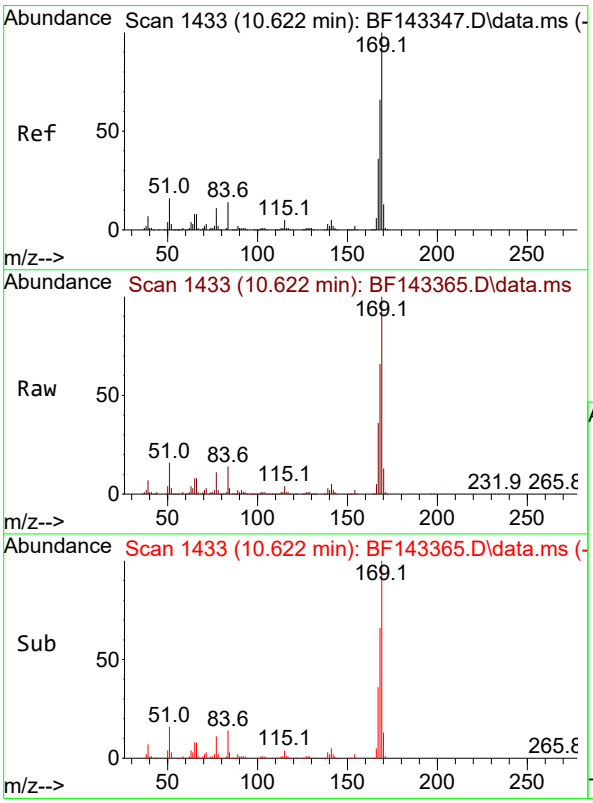
#65
4,6-Dinitro-2-methylphenol
Concen: 45.753 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 83546

Ion	Ratio	Lower	Upper
198	100		
51	57.9	41.7	81.7
105	44.7	26.8	66.8

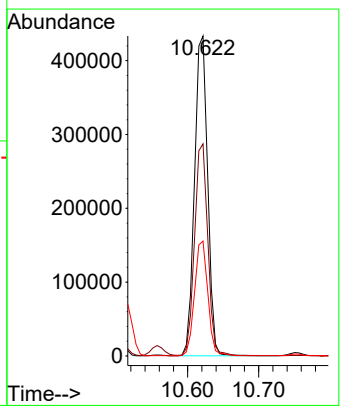


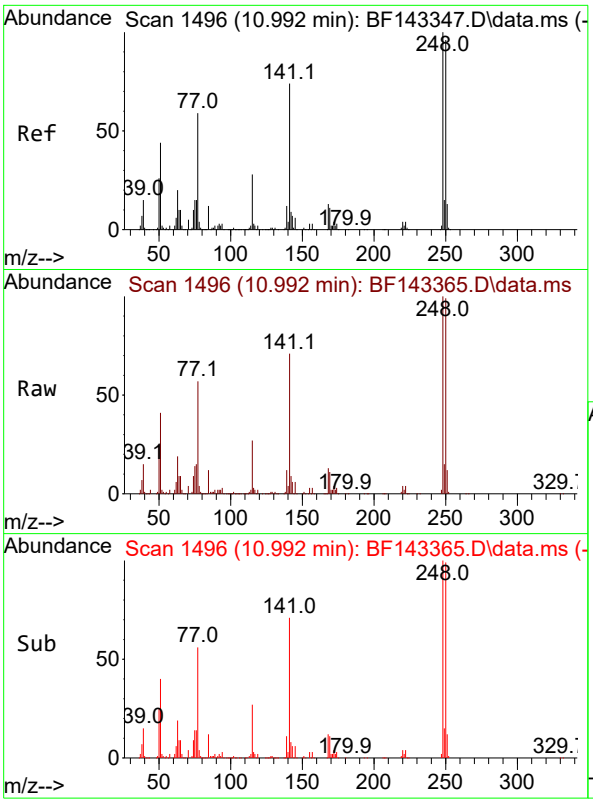


#66
n-Nitrosodiphenylamine
Concen: 37.268 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:169 Resp: 558749

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.9	28.6	42.8



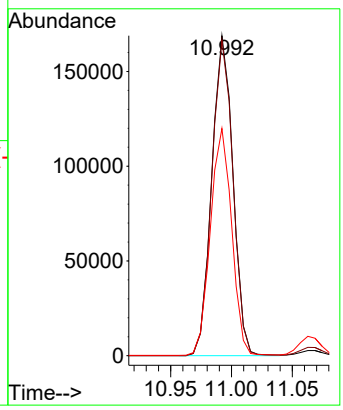


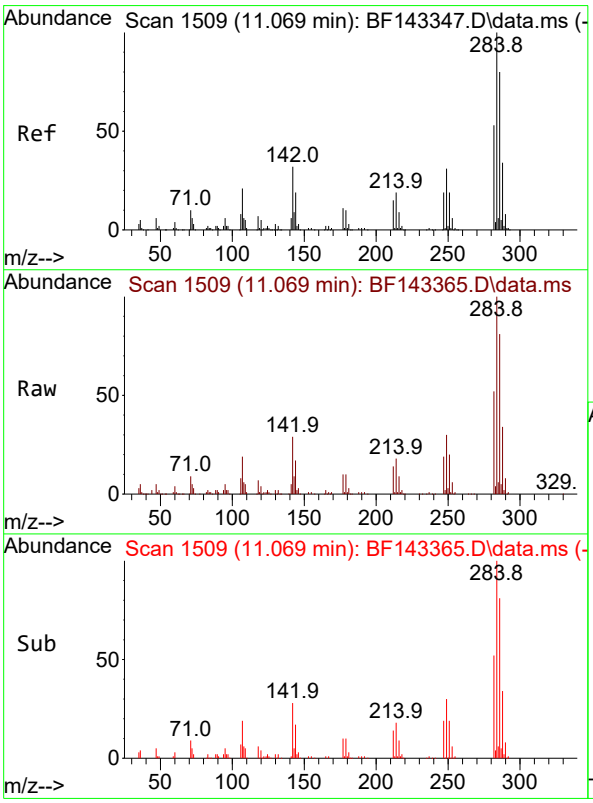
#67
4-Bromophenyl-phenylether
Concen: 39.268 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 204482

Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.1	115.7
141	71.0	59.1	88.7

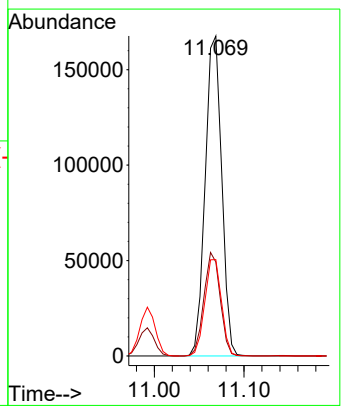


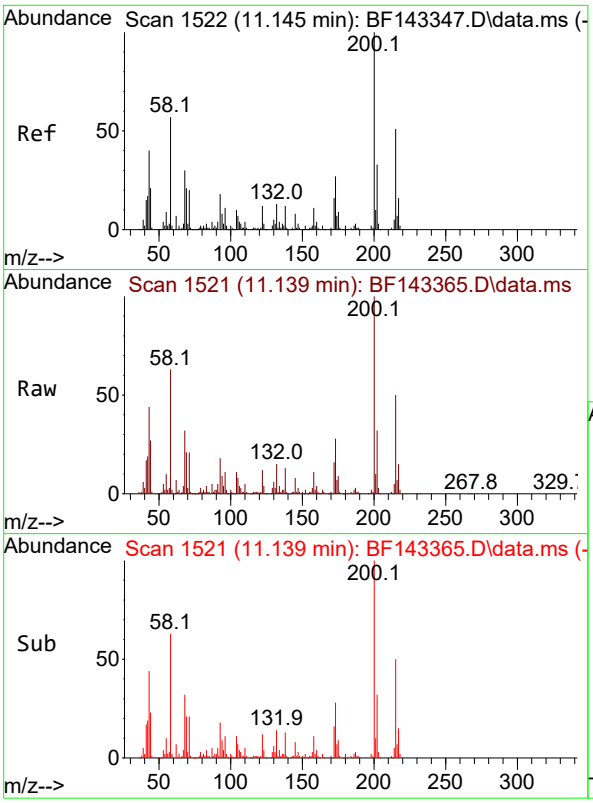


#68
Hexachlorobenzene
Concen: 38.169 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:284 Resp: 214247

Ion	Ratio	Lower	Upper
284	100		
142	29.4	25.7	38.5
249	30.1	24.6	37.0



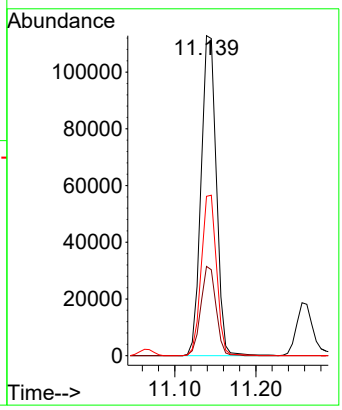


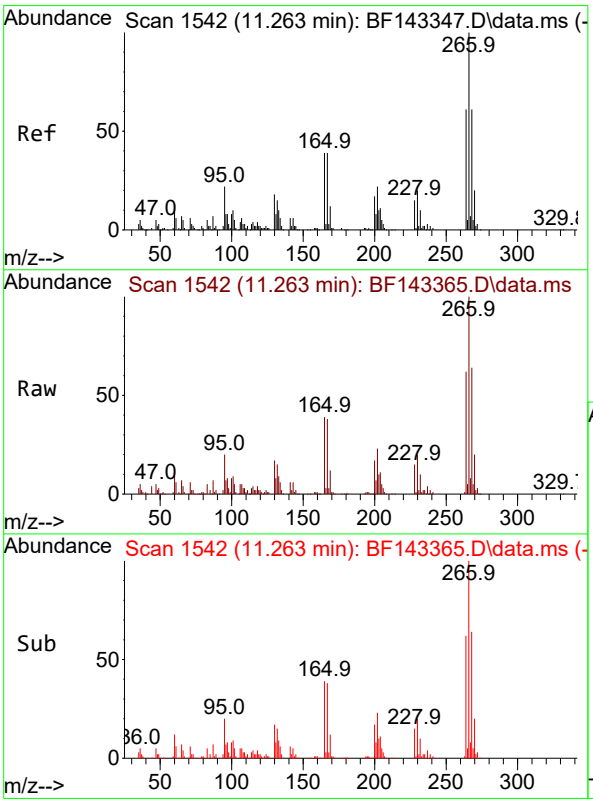
#69
Atrazine
Concen: 37.642 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 147197

Ion	Ratio	Lower	Upper
200	100		
173	27.9	6.6	46.6
215	49.8	30.6	70.6

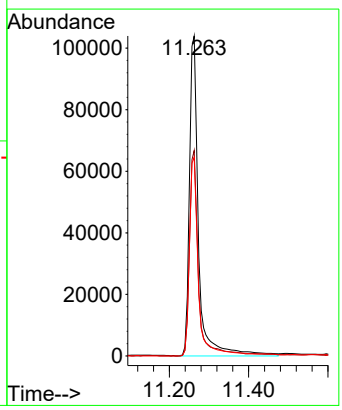


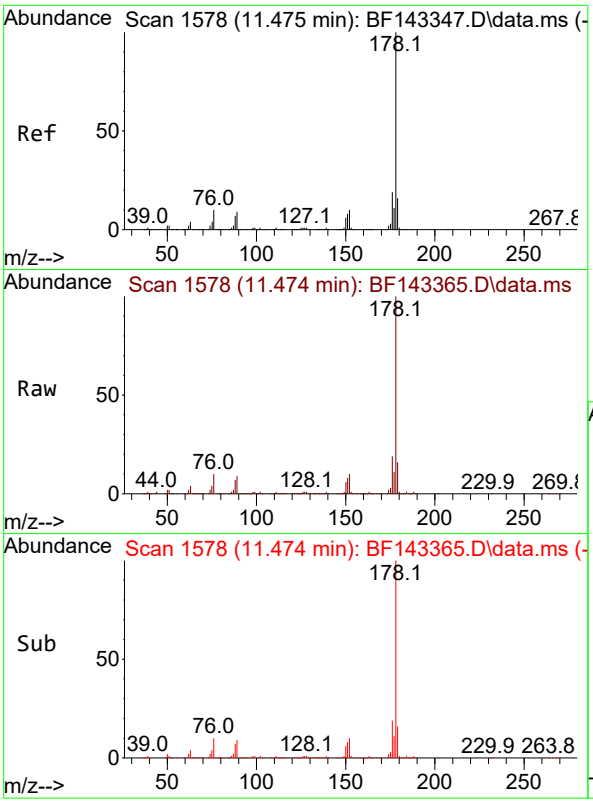


#70
Pentachlorophenol
Concen: 62.487 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:266 Resp: 167836

Ion	Ratio	Lower	Upper
266	100		
268	64.2	48.8	73.2
264	62.1	48.8	73.2



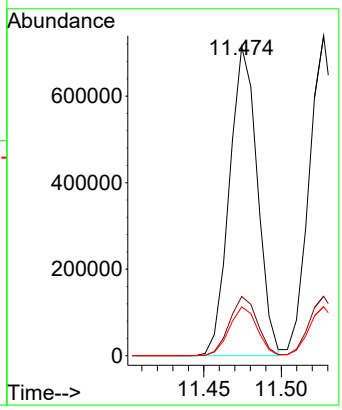


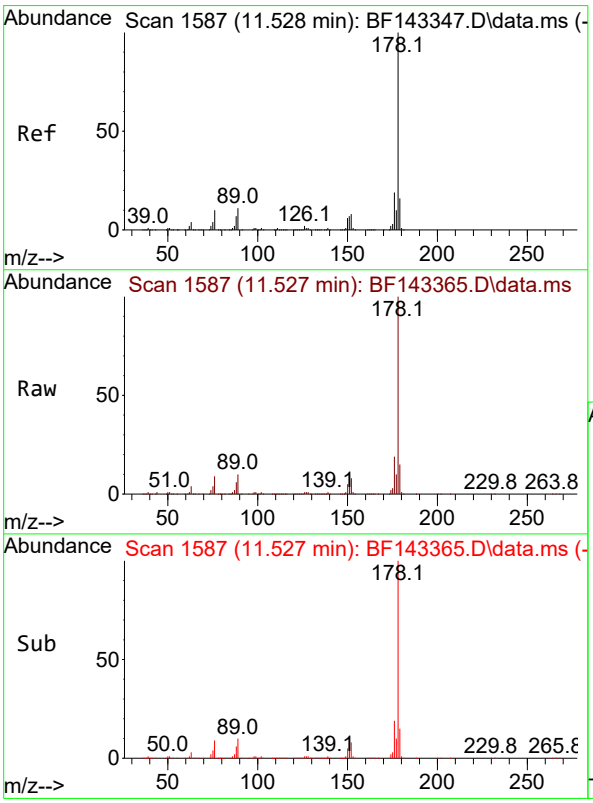
#71
Phenanthrene
Concen: 35.951 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 893088

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.8	12.5	18.7

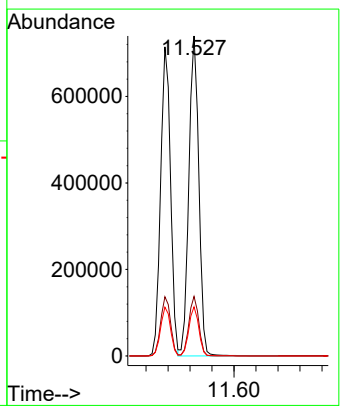


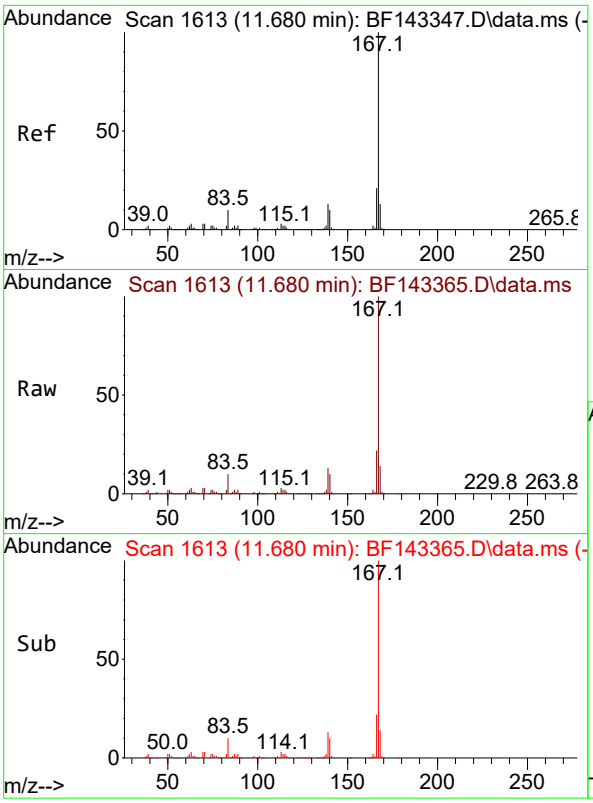


#72
Anthracene
Concen: 36.793 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:178 Resp: 926945

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.7	19.1



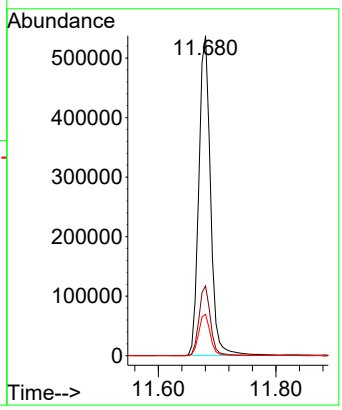


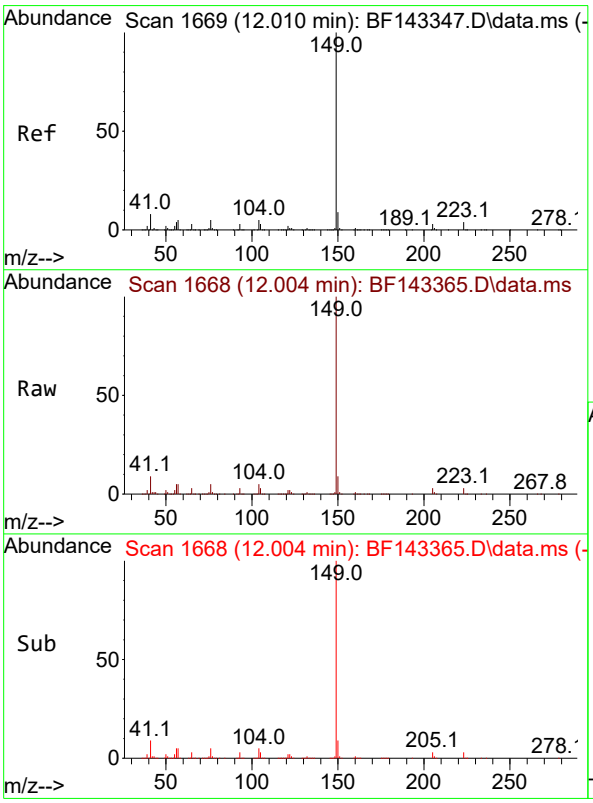
#73
Carbazole
Concen: 34.473 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 739655

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	13.0	10.2	15.2

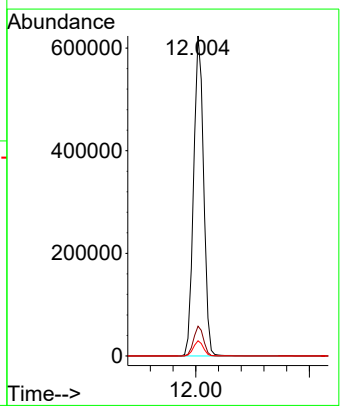


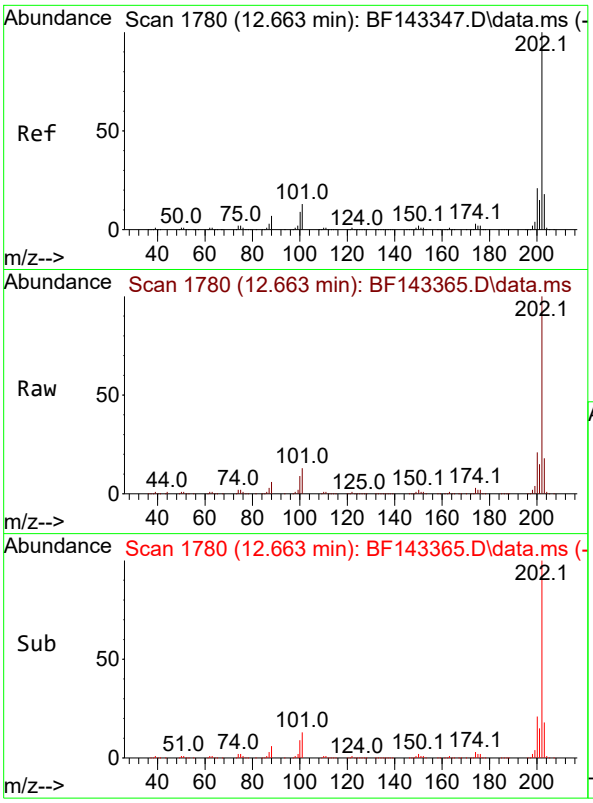


#74
Di-n-butylphthalate
Concen: 42.222 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:149 Resp: 766597

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.7	3.8	5.8



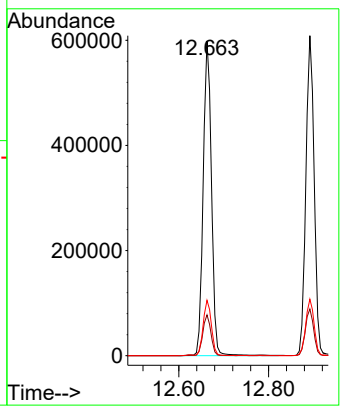


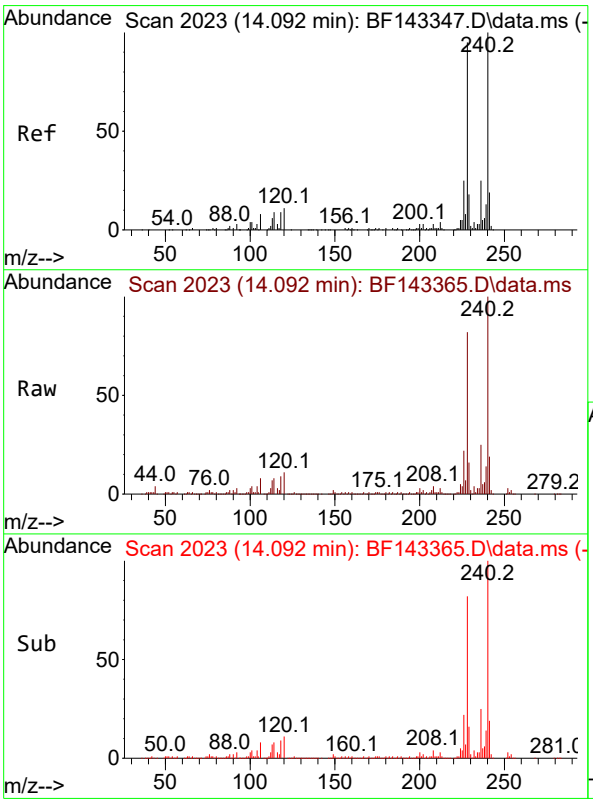
#75
Fluoranthene
Concen: 35.308 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 768327

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.6	0.0	37.6

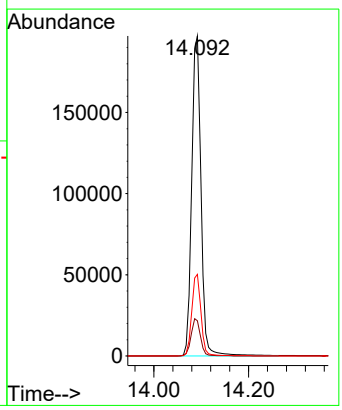


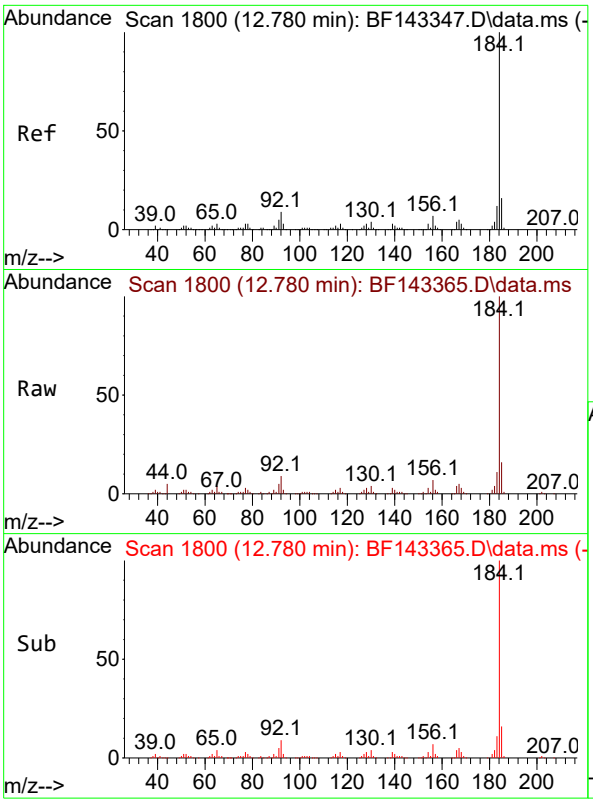


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:240 Resp: 268507

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.5	19.9	29.9



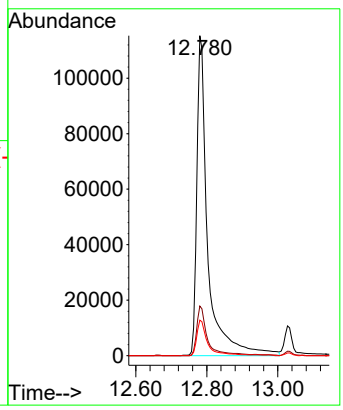


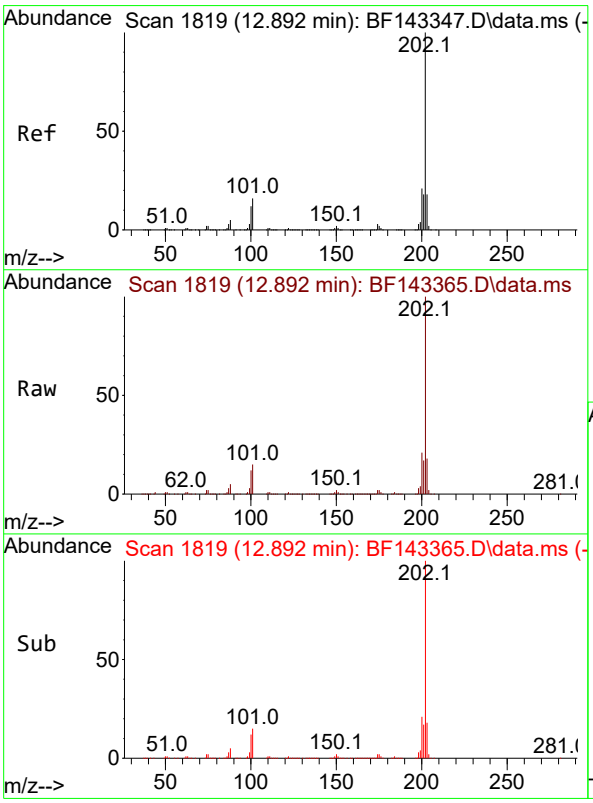
#77
Benzidine
Concen: 33.832 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 248352

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.8	19.2
183	11.1	9.3	13.9

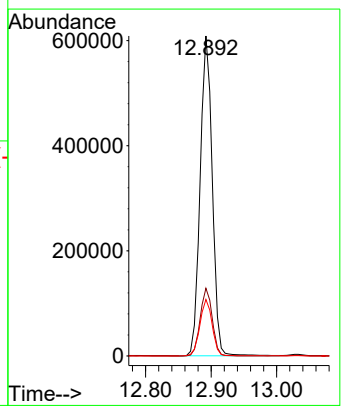


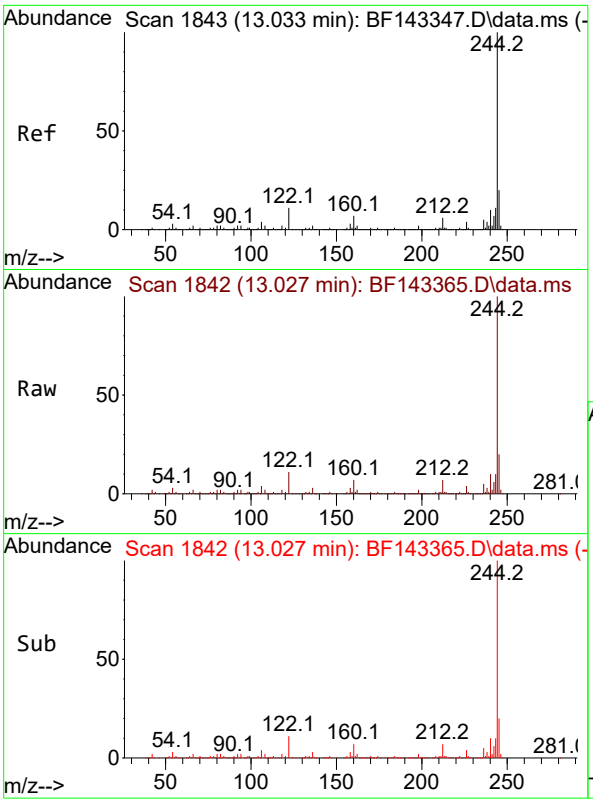


#78
Pyrene
Concen: 34.808 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:202 Resp: 784051

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.7	14.2	21.4



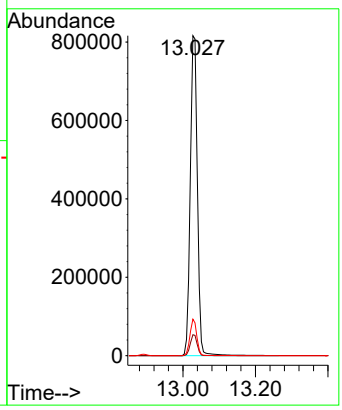


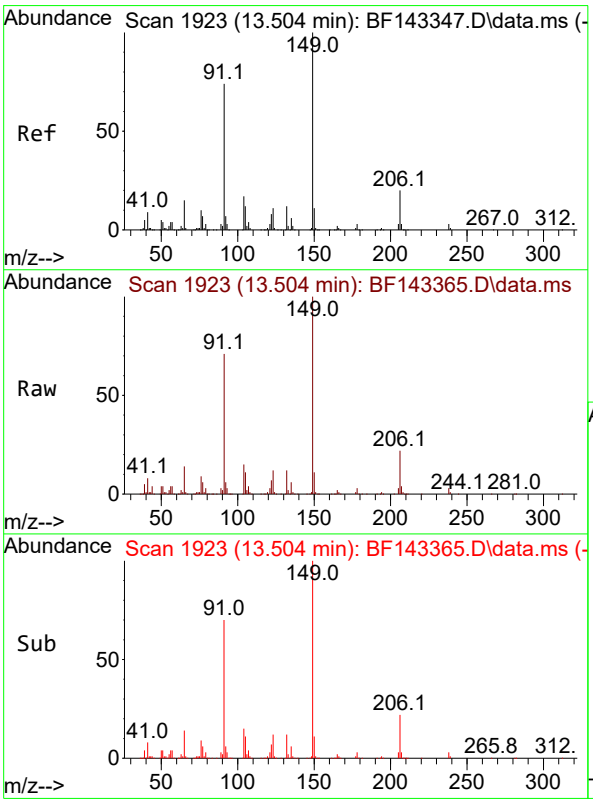
#79
Terphenyl-d14
Concen: 73.795 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1109838

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	11.4	8.9	13.3

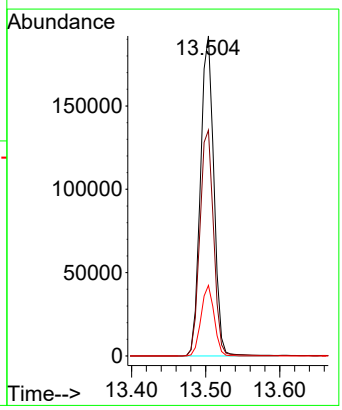


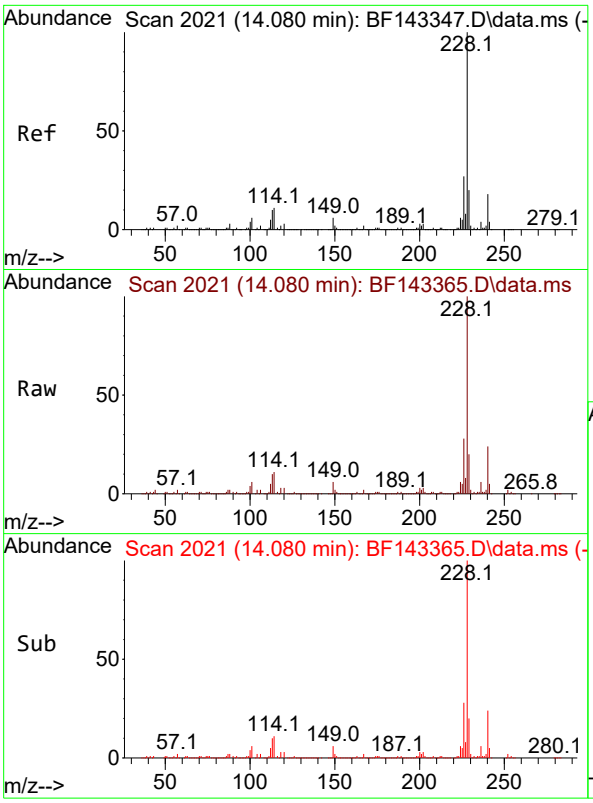


#80
Butylbenzylphthalate
Concen: 53.869 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:149 Resp: 241746

Ion	Ratio	Lower	Upper
149	100		
91	70.6	58.8	88.2
206	22.1	16.4	24.6



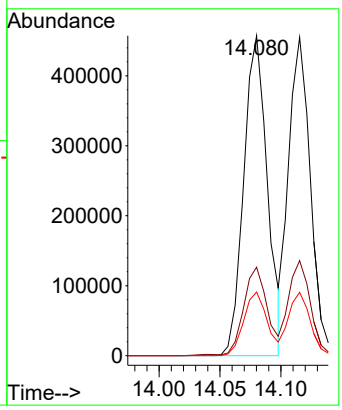


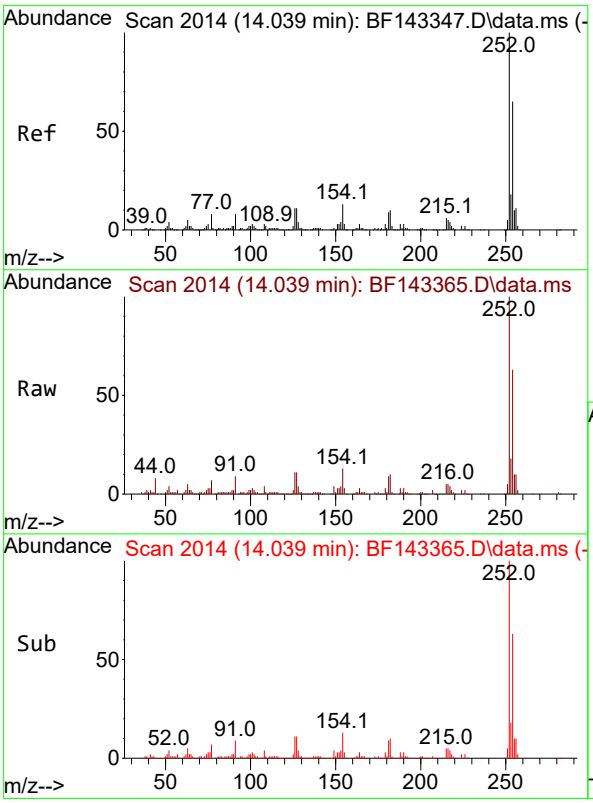
#81
Benzo(a)anthracene
Concen: 36.260 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 618813

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.9	15.8	23.8

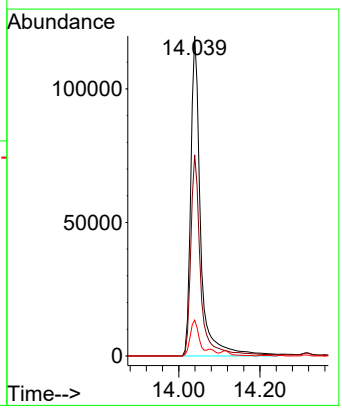


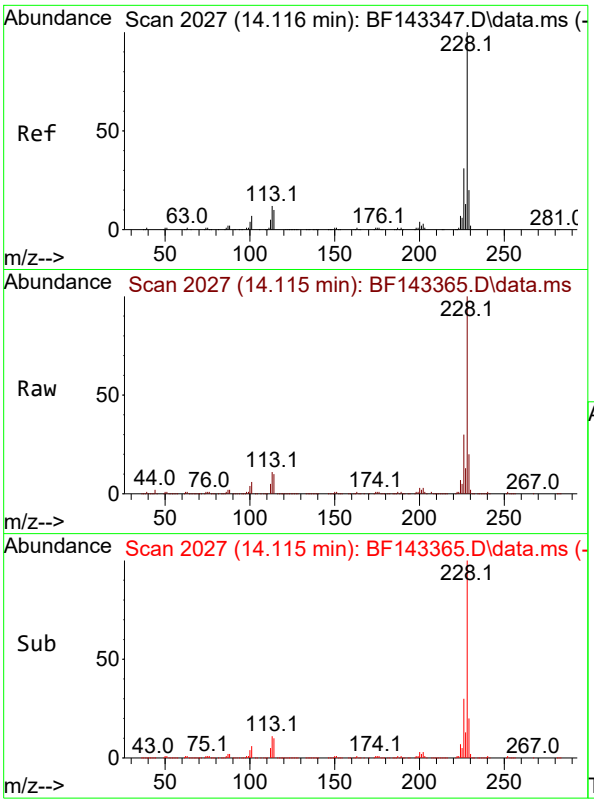


#82
3,3'-Dichlorobenzidine
Concen: 44.084 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:252 Resp: 203149

Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.7	77.5
126	11.2	9.2	13.8



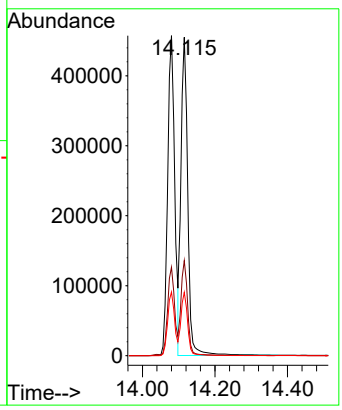


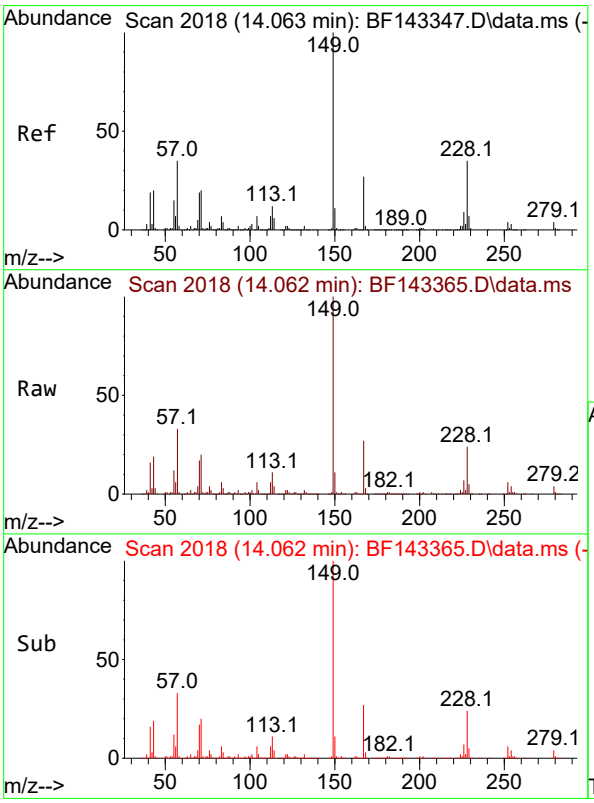
#83
Chrysene
Concen: 37.266 ng
RT: 14.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 593023

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.9	15.8	23.6

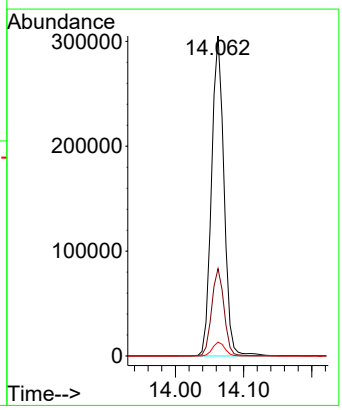


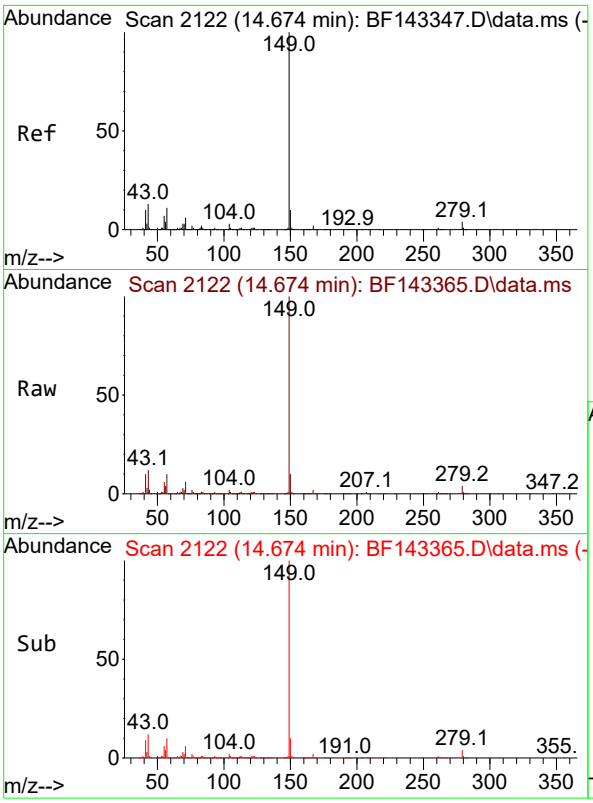


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.318 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.001 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:149 Resp: 387949

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	4.3	3.2	4.8



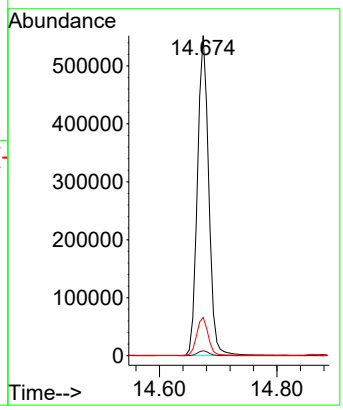


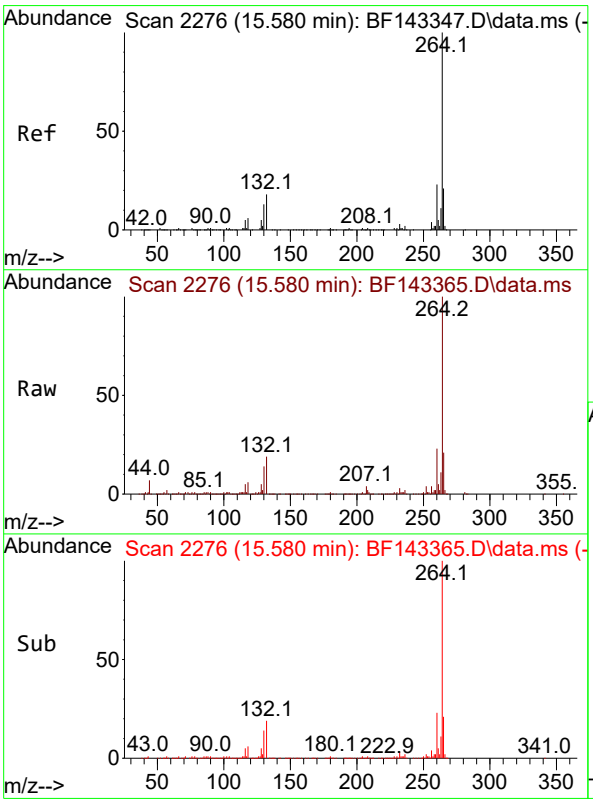
#85
Di-n-octyl phthalate
Concen: 55.364 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 735485

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.2	10.8	16.2

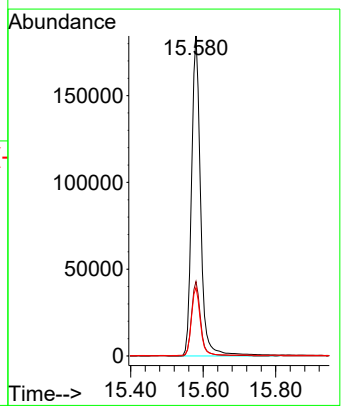


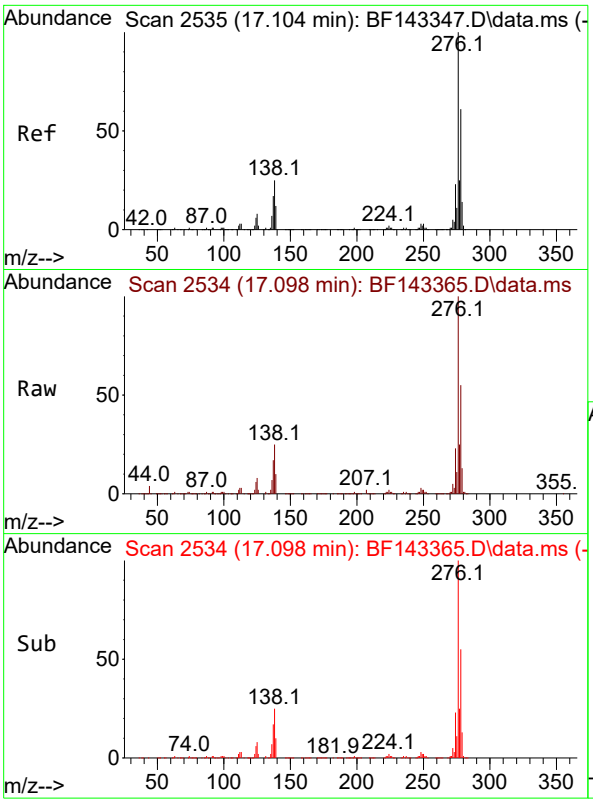


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:264 Resp: 321267

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.4	17.2	25.8



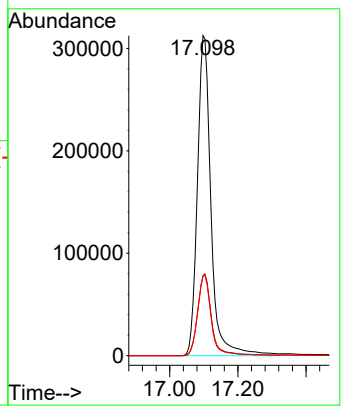


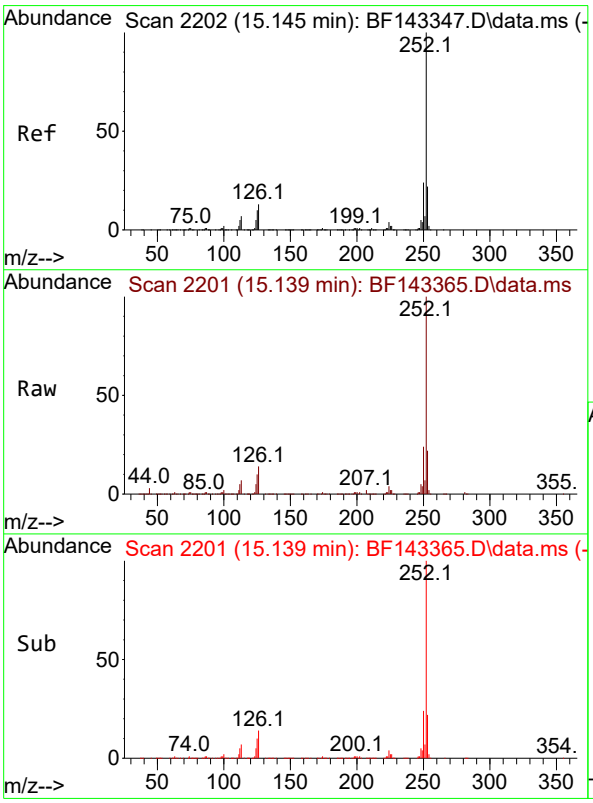
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.631 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 866144

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.1	31.7
277	25.4	20.2	30.2

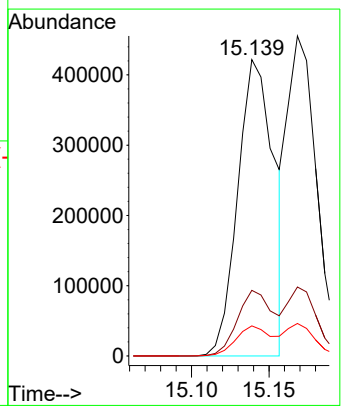


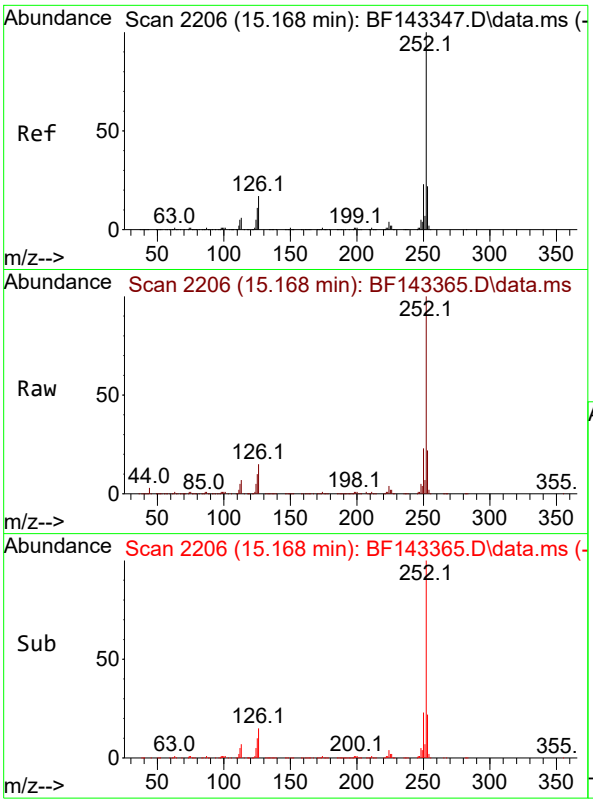


#88
Benzo(b)fluoranthene
Concen: 39.006 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:252 Resp: 685407

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.1	7.8	11.6



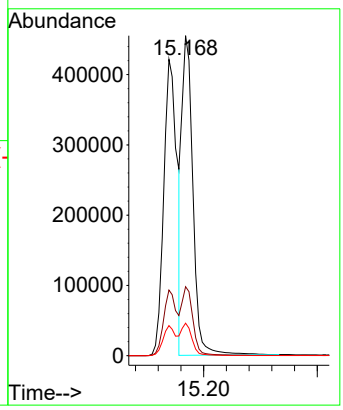


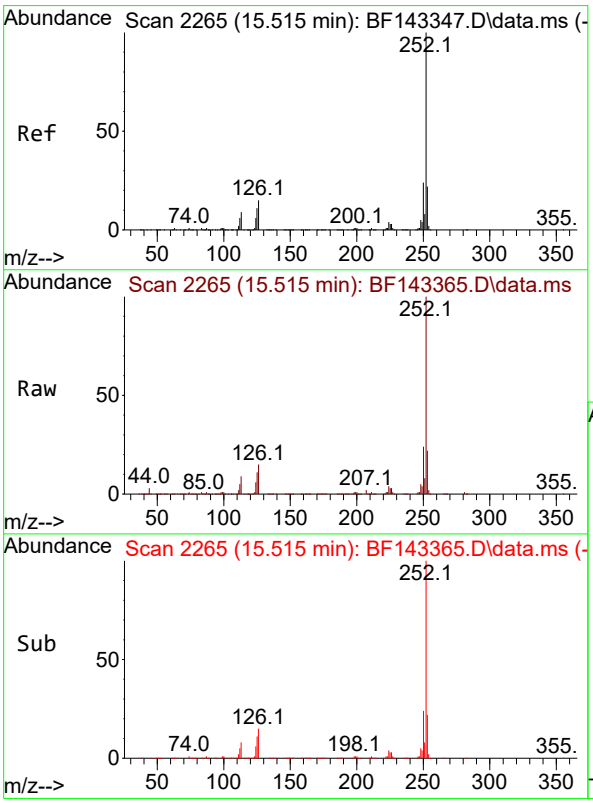
#89
Benzo(k)fluoranthene
Concen: 36.040 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 615365

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.2	8.4	12.6

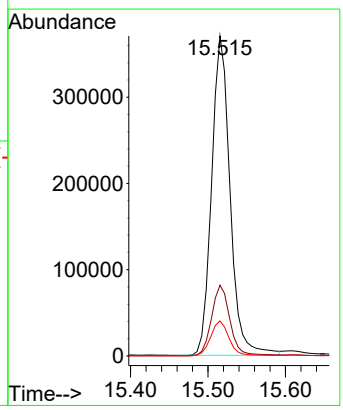


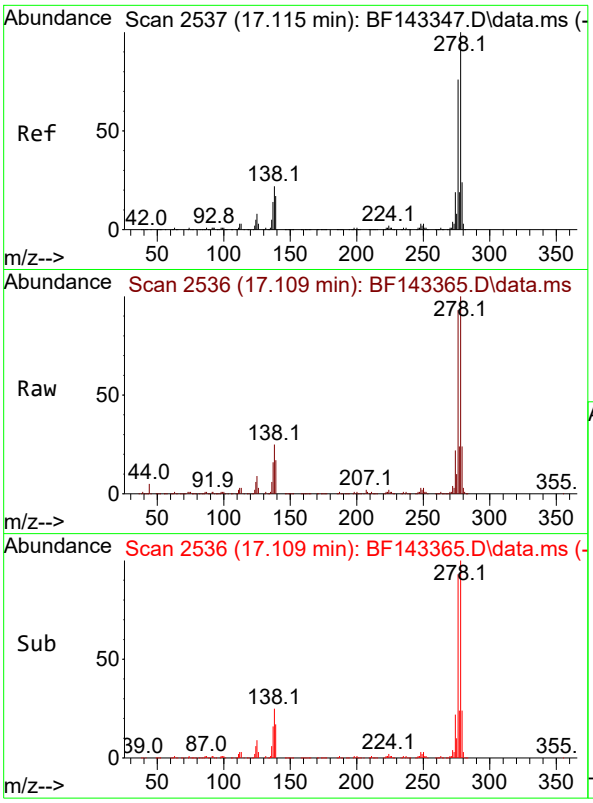


#90
Benzo(a)pyrene
Concen: 37.093 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:252 Resp: 613881

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.9	9.1	13.7



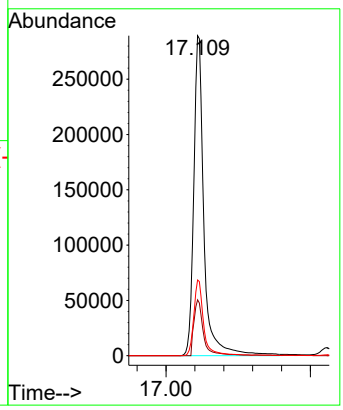


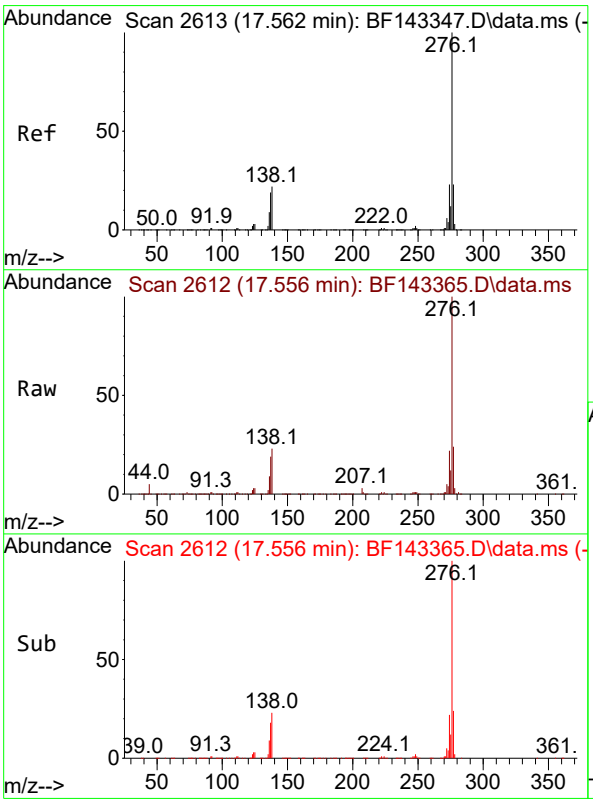
#91
Dibenzo(a,h)anthracene
Concen: 38.581 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 709428

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.0	21.0
279	23.7	19.4	29.0

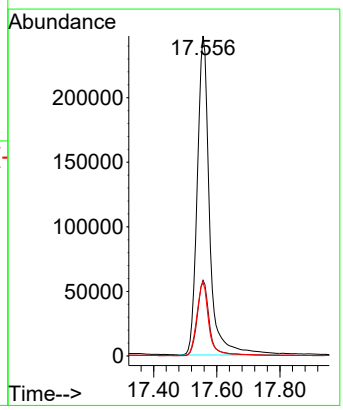




#92
Benzo(g,h,i)perylene
Concen: 36.122 ng
RT: 17.556 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143365.D
Acq: 13 Aug 2025 10:00

Tgt Ion:276 Resp: 669117

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.9	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.598	0.537	10.2	84	-0.02
3		Pyridine	1.595	1.455	8.8	84	-0.01
4		n-Nitrosodimethylamine	0.743	0.667	10.2	82	-0.02
5	S	2-Fluorophenol	1.157	1.077	6.9	85	0.00
6		Aniline	2.091	1.857	11.2	82	0.00
7	S	Phenol-d6	1.483	1.334	10.0	83	0.00
8		2-Chlorophenol	1.236	1.195	3.3	88	0.00
9		Benzaldehyde	0.980	0.870	11.2	80	0.00
10	C	Phenol	1.757	1.609	8.4	84	0.00
11		bis(2-Chloroethyl)ether	1.295	1.200	7.3	86	0.00
12		1,3-Dichlorobenzene	1.425	1.294	9.2	84	0.00
13	C	1,4-Dichlorobenzene	1.431	1.316	8.0	87	0.00
14		1,2-Dichlorobenzene	1.358	1.245	8.3	86	0.00
15		Benzyl Alcohol	1.063	1.003	5.6	86	0.00
16		2,2'-oxybis(1-Chloropropane	2.312	2.149	7.1	86	0.00
17		2-Methylphenol	1.043	0.939	10.0	82	0.00
18		Hexachloroethane	0.449	0.453	-0.9	91	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.821	10.4	84	0.00
20		3+4-Methylphenols	1.262	1.144	9.4	83	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
22		Acetophenone	0.441	0.396	10.2	83	0.00
23	S	Nitrobenzene-d5	0.321	0.325	-1.2	87	0.00
24		Nitrobenzene	0.349	0.338	3.2	85	0.00
25		Isophorone	0.656	0.596	9.1	83	0.00
26	C	2-Nitrophenol	0.118	0.159	-34.7#	113	0.00
27		2,4-Dimethylphenol	0.274	0.264	3.6	85	0.00
28		bis(2-Chloroethoxy)methane	0.400	0.377	5.8	86	0.00
29	C	2,4-Dichlorophenol	0.267	0.259	3.0	85	0.00
30		1,2,4-Trichlorobenzene	0.282	0.267	5.3	86	0.00
31		Naphthalene	0.962	0.881	8.4	84	0.00
32		Benzoic acid	0.110	0.130	-18.2	108	0.00
33		4-Chloroaniline	0.347	0.317	8.6	82	0.00
34	C	Hexachlorobutadiene	0.175	0.172	1.7	88	0.00
35		Caprolactam	0.075	0.067	10.7	77	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.261	6.8	82	0.00
37		2-Methylnaphthalene	0.633	0.580	8.4	84	0.00
38		1-Methylnaphthalene	0.609	0.558	8.4	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.547	0.517	5.5	87	0.00
41	P	Hexachlorocyclopentadiene	0.158	0.203	-28.5#	111	0.00
42	S	2,4,6-Tribromophenol	0.146	0.155	-6.2	88	0.00
43	C	2,4,6-Trichlorophenol	0.311	0.302	2.9	82	0.00
44		2,4,5-Trichlorophenol	0.351	0.334	4.8	81	0.00
45	S	2-Fluorobiphenyl	1.179	1.063	9.8	86	0.00
46		1,1'-Biphenyl	1.414	1.295	8.4	85	0.00
47		2-Chloronaphthalene	1.114	1.020	8.4	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.284	0.317	-11.6	93	0.00
49		Acenaphthylene	1.608	1.448	10.0	83	0.00
50		Dimethylphthalate	1.169	1.088	6.9	84	0.00
51		2,6-Dinitrotoluene	0.193	0.227	-17.6	97	0.00
52	C	Acenaphthene	1.069	0.988	7.6	85	0.00
53		3-Nitroaniline	0.239	0.251	-5.0	88	0.00
54	P	2,4-Dinitrophenol	0.065	0.087	-33.8#	121	0.00
55		Dibenzofuran	1.539	1.391	9.6	84	0.00
56	P	4-Nitrophenol	0.163	0.169	-3.7	89	0.00
57		2,4-Dinitrotoluene	0.256	0.301	-17.6	95	0.00
58		Fluorene	1.175	1.049	10.7	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.236	0.251	-6.4	90	0.00
60		Diethylphthalate	1.047	0.995	5.0	84	0.00
61		4-Chlorophenyl-phenylether	0.568	0.526	7.4	85	0.00
62		4-Nitroaniline	0.232	0.220	5.2	81	0.00
63		Azobenzene	1.196	1.084	9.4	83	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.069	0.092	-33.3#	114	0.00
66	c	n-Nitrosodiphenylamine	0.659	0.614	6.8	82	0.00
67		4-Bromophenyl-phenylether	0.229	0.225	1.7	85	0.00
68		Hexachlorobenzene	0.247	0.235	4.9	85	0.00
69		Atrazine	0.172	0.162	5.8	80	0.00
70	C	Pentachlorophenol	0.101	0.184	-82.2#	150	0.00
71		Phenanthrene	1.091	0.981	10.1	80	0.00
72		Anthracene	1.107	1.018	8.0	82	0.00
73		Carbazole	0.942	0.812	13.8	77	0.00
74		Di-n-butylphthalate	0.798	0.842	-5.5	86	0.00
75	C	Fluoranthene	0.956	0.844	11.7	81	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.547	0.462	15.5	72	0.00
78		Pyrene	1.678	1.460	13.0	81	0.00
79	S	Terphenyl-d14	1.120	1.033	7.8	88	0.00
80		Butylbenzylphthalate	0.284	0.450	-58.5#	137	0.00
81		Benzo(a)anthracene	1.271	1.152	9.4	85	0.00
82		3,3'-Dichlorobenzidine	0.343	0.378	-10.2	96	0.00
83		Chrysene	1.185	1.104	6.8	87	0.00
84		Bis(2-ethylhexyl)phthalate	0.403	0.722	-79.2#	151#	0.00
85	c	Di-n-octyl phthalate	0.860	1.370	-59.3#	143	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.348	5.9	91	0.00
88		Benzo(b)fluoranthene	1.094	1.067	2.5	93	0.00
89		Benzo(k)fluoranthene	1.063	0.958	9.9	91	0.00
90	C	Benzo(a)pyrene	1.030	0.955	7.3	91	0.00
91		Dibenzo(a,h)anthracene	1.145	1.104	3.6	92	0.00
92		Benzo(g,h,i)perylene	1.153	1.041	9.7	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	35.924	10.2	84	-0.02
3		Pyridine	40.000	36.505	8.7	84	-0.01
4		n-Nitrosodimethylamine	40.000	35.930	10.2	82	-0.02
5	S	2-Fluorophenol	80.000	74.486	6.9	85	0.00
6		Aniline	40.000	35.529	11.2	82	0.00
7	S	Phenol-d6	80.000	71.982	10.0	83	0.00
8		2-Chlorophenol	40.000	38.676	3.3	88	0.00
9		Benzaldehyde	40.000	35.508	11.2	80	0.00
10	C	Phenol	40.000	36.630	8.4	84	0.00
11		bis(2-Chloroethyl)ether	40.000	37.079	7.3	86	0.00
12		1,3-Dichlorobenzene	40.000	36.300	9.3	84	0.00
13	C	1,4-Dichlorobenzene	40.000	36.786	8.0	87	0.00
14		1,2-Dichlorobenzene	40.000	36.671	8.3	86	0.00
15		Benzyl Alcohol	40.000	37.736	5.7	86	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.180	7.1	86	0.00
17		2-Methylphenol	40.000	36.019	10.0	82	0.00
18		Hexachloroethane	40.000	40.381	-1.0	91	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.828	10.4	84	0.00
20		3+4-Methylphenols	40.000	36.261	9.3	83	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	90	0.00
22		Acetophenone	40.000	35.949	10.1	83	0.00
23	S	Nitrobenzene-d5	80.000	80.892	-1.1	87	0.00
24		Nitrobenzene	40.000	38.773	3.1	85	0.00
25		Isophorone	40.000	36.381	9.0	83	0.00
26	C	2-Nitrophenol	40.000	45.743	-14.4	113	0.00
27		2,4-Dimethylphenol	40.000	38.616	3.5	85	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.694	5.8	86	0.00
29	C	2,4-Dichlorophenol	40.000	38.733	3.2	85	0.00
30		1,2,4-Trichlorobenzene	40.000	37.843	5.4	86	0.00
31		Naphthalene	40.000	36.636	8.4	84	0.00
32		Benzoic acid	40.000	44.806	-12.0	108	0.00
33		4-Chloroaniline	40.000	36.478	8.8	82	0.00
34	C	Hexachlorobutadiene	40.000	39.158	2.1	88	0.00
35		Caprolactam	40.000	35.661	10.8	77	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.312	6.7	82	0.00
37		2-Methylnaphthalene	40.000	36.699	8.3	84	0.00
38		1-Methylnaphthalene	40.000	36.634	8.4	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.763	5.6	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.170	-12.9	111	0.00
42	S	2,4,6-Tribromophenol	80.000	84.775	-6.0	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.847	2.9	82	0.00
44		2,4,5-Trichlorophenol	40.000	38.112	4.7	81	0.00
45	S	2-Fluorobiphenyl	80.000	72.088	9.9	86	0.00
46		1,1'-Biphenyl	40.000	36.625	8.4	85	0.00
47		2-Chloronaphthalene	40.000	36.637	8.4	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.994	0.0	93	0.00
49		Acenaphthylene	40.000	36.019	10.0	83	0.00
50		Dimethylphthalate	40.000	37.229	6.9	84	0.00
51		2,6-Dinitrotoluene	40.000	41.532	-3.8	97	0.00
52	C	Acenaphthene	40.000	36.969	7.6	85	0.00
53		3-Nitroaniline	40.000	41.943	-4.9	88	0.00
54	P	2,4-Dinitrophenol	40.000	47.847	-19.6	121	0.00
55		Dibenzofuran	40.000	36.166	9.6	84	0.00
56	P	4-Nitrophenol	40.000	38.411	4.0	89	0.00
57		2,4-Dinitrotoluene	40.000	41.474	-3.7	95	0.00
58		Fluorene	40.000	35.714	10.7	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.436	-6.1	90	0.00
60		Diethylphthalate	40.000	38.014	5.0	84	0.00
61		4-Chlorophenyl-phenylether	40.000	37.027	7.4	85	0.00
62		4-Nitroaniline	40.000	37.977	5.1	81	0.00
63		Azobenzene	40.000	36.252	9.4	83	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.753	-14.4	114	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.268	6.8	82	0.00
67		4-Bromophenyl-phenylether	40.000	39.268	1.8	85	0.00
68		Hexachlorobenzene	40.000	38.169	4.6	85	0.00
69		Atrazine	40.000	37.642	5.9	80	0.00
70	C	Pentachlorophenol	40.000	62.487	-56.2#	150	0.00
71		Phenanthrene	40.000	35.951	10.1	80	0.00
72		Anthracene	40.000	36.793	8.0	82	0.00
73		Carbazole	40.000	34.473	13.8	77	0.00
74		Di-n-butylphthalate	40.000	42.222	-5.6	86	0.00
75	C	Fluoranthene	40.000	35.308	11.7	81	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	33.832	15.4	72	0.00
78		Pyrene	40.000	34.808	13.0	81	0.00
79	S	Terphenyl-d14	80.000	73.795	7.8	88	0.00
80		Butylbenzylphthalate	40.000	53.869	-34.7#	137	0.00
81		Benzo(a)anthracene	40.000	36.260	9.4	85	0.00
82		3,3'-Dichlorobenzidine	40.000	44.084	-10.2	96	0.00
83		Chrysene	40.000	37.266	6.8	87	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	58.318	-45.8#	151	0.00
85	c	Di-n-octyl phthalate	40.000	55.364	-38.4#	143	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.631	5.9	91	0.00
88		Benzo(b)fluoranthene	40.000	39.006	2.5	93	0.00
89		Benzo(k)fluoranthene	40.000	36.040	9.9	91	0.00
90	C	Benzo(a)pyrene	40.000	37.093	7.3	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.581	3.5	92	0.00
92		Benzo(g,h,i)perylene	40.000	36.122	9.7	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143365.D
Acq On : 13 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:48:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 15:41

Lab File ID: BF143375.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 09:03 12:38

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	0.981		-15.2	50.0
Benzaldehyde	0.980	0.776		-20.8	50.0
Phenol-d6	1.483	1.176		-20.7	50.0
Phenol	1.757	1.393		-20.7	50.0
bis(2-Chloroethyl)ether	1.295	1.073		-17.1	50.0
2-Chlorophenol	1.236	1.060		-14.2	50.0
2-Methylphenol	1.043	0.836		-19.8	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.942		-16.0	50.0
Acetophenone	0.441	0.360		-18.4	50.0
3+4-Methylphenols	1.262	1.026		-18.7	50.0
n-Nitroso-di-n-propylamine	0.916	0.738	0.050	-19.4	50.0
Nitrobenzene-d5	0.321	0.286		-10.9	50.0
Hexachloroethane	0.449	0.413		-8.0	50.0
Nitrobenzene	0.349	0.304		-12.9	50.0
Isophorone	0.656	0.537		-18.1	50.0
2-Nitrophenol	0.118	0.138		16.9	50.0
2,4-Dimethylphenol	0.274	0.237		-13.5	50.0
bis(2-Chloroethoxy)methane	0.400	0.337		-15.8	50.0
2,4-Dichlorophenol	0.267	0.233		-12.7	50.0
Naphthalene	0.962	0.798		-17.0	50.0
4-Chloroaniline	0.347	0.284		-18.2	50.0
Hexachlorobutadiene	0.175	0.156		-10.9	50.0
Caprolactam	0.075	0.062		-17.3	50.0
4-Chloro-3-methylphenol	0.280	0.230		-17.9	50.0
2-Methylnaphthalene	0.633	0.532		-16.0	50.0
Hexachlorocyclopentadiene	0.158	0.172	0.050	8.9	50.0
2,4,6-Trichlorophenol	0.311	0.272		-12.5	50.0
2-Fluorobiphenyl	1.179	1.015		-13.9	50.0
2,4,5-Trichlorophenol	0.351	0.299		-14.8	50.0
1,1-Biphenyl	1.414	1.202		-15.0	50.0
2-Chloronaphthalene	1.114	0.935		-16.1	50.0
2-Nitroaniline	0.284	0.280		-1.4	50.0
Dimethylphthalate	1.169	1.033		-11.6	50.0
Acenaphthylene	1.608	1.330		-17.3	50.0
2,6-Dinitrotoluene	0.193	0.204		5.7	50.0
3-Nitroaniline	0.239	0.222		-7.1	50.0
Acenaphthene	1.069	0.886		-17.1	50.0
2,4-Dinitrophenol	0.065	0.048	0.050	-26.2	50.0
4-Nitrophenol	0.163	0.135	0.050	-17.2	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 15:41

Lab File ID: BF143375.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 09:03 12:38

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.269		-17.5	50.0
2,4-Dinitrotoluene	0.256	0.271		5.9	50.0
Diethylphthalate	1.047	0.969		-7.4	50.0
4-Chlorophenyl-phenylether	0.568	0.494		-13.0	50.0
Fluorene	1.175	0.973		-17.2	50.0
4-Nitroaniline	0.232	0.200		-13.8	50.0
4,6-Dinitro-2-methylphenol	0.069	0.063		-8.7	50.0
n-Nitrosodiphenylamine	0.659	0.559		-15.2	50.0
2,4,6-Tribromophenol	0.146	0.137		-6.2	50.0
4-Bromophenyl-phenylether	0.229	0.203		-11.4	50.0
Hexachlorobenzene	0.247	0.213		-13.8	50.0
Atrazine	0.172	0.175		1.7	50.0
Pentachlorophenol	0.101	0.128		26.7	50.0
Phenanthrene	1.091	0.894		-18.1	50.0
Anthracene	1.107	0.917		-17.2	50.0
Carbazole	0.942	0.772		-18.0	50.0
Di-n-butylphthalate	0.798	0.945		18.4	50.0
Fluoranthene	0.956	0.844		-11.7	50.0
Pyrene	1.678	1.149		-31.5	50.0
Terphenyl-d14	1.120	0.850		-24.1	50.0
Butylbenzylphthalate	0.284	0.443		56.0	50.0
3,3-Dichlorobenzidine	0.343	0.352		2.6	50.0
Benzo(a)anthracene	1.271	1.042		-18.0	50.0
Chrysene	1.185	0.973		-17.9	50.0
Bis(2-ethylhexyl)phthalate	0.403	0.639		58.6	50.0
Di-n-octyl phthalate	0.860	1.132		31.6	50.0
Benzo(b)fluoranthene	1.094	0.931		-14.9	50.0
Benzo(k)fluoranthene	1.063	0.869		-18.3	50.0
Benzo(a)pyrene	1.030	0.849		-17.6	50.0
Indeno(1,2,3-cd)pyrene	1.433	1.158		-19.2	50.0
Dibenzo(a,h)anthracene	1.145	0.937		-18.2	50.0
Benzo(g,h,i)perylene	1.153	0.894		-22.5	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.478		-12.6	50.0
1,4-Dioxane	0.598	0.476		-20.4	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.203		-14.0	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	142183	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	532547	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	280155	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	414161	20.000	ng		0.00
76) Chrysene-d12	14.092	240	311692	20.000	ng		0.00
86) Perylene-d12	15.580	264	380743	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	557941	67.858	ng		0.00
7) Phenol-d6	6.563	99	668602	63.411	ng		0.00
23) Nitrobenzene-d5	7.487	82	609217	71.239	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	153302	74.875	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	1137493	68.852	ng		0.00
79) Terphenyl-d14	13.033	244	1060142	60.724	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	135272	31.794	ng		98
3) Pyridine	3.510	79	364965	32.190	ng		98
4) n-Nitrosodimethylamine	3.440	42	166866	31.595	ng		97
6) Aniline	6.593	93	466271	31.368	ng		98
8) 2-Chlorophenol	6.716	128	301320	34.297	ng		98
9) Benzaldehyde	6.481	77	220790	31.682	ng		99
10) Phenol	6.575	94	396137	31.714	ng		99
11) bis(2-Chloroethyl)ether	6.657	93	305052	33.137	ng		99
12) 1,3-Dichlorobenzene	6.875	146	336714	33.227	ng		99
13) 1,4-Dichlorobenzene	6.945	146	336314	33.067	ng		99
14) 1,2-Dichlorobenzene	7.098	146	321082	33.257	ng		99
15) Benzyl Alcohol	7.069	79	250963	33.205	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	552137	33.595	ng		98
17) 2-Methylphenol	7.181	107	237620	32.041	ng		99
18) Hexachloroethane	7.445	117	117308	36.789	ng		97
19) n-Nitroso-di-n-propyla...	7.334	70	209936	32.223	ng		98
20) 3+4-Methylphenols	7.334	107	291824	32.537	ng		96
22) Acetophenone	7.334	105	383657	32.697	ng	#	97
24) Nitrobenzene	7.504	77	323310	34.811	ng		99
25) Isophorone	7.745	82	571933	32.761	ng		99
26) 2-Nitrophenol	7.822	139	146992	40.139	ng		99
27) 2,4-Dimethylphenol	7.863	122	252430m	34.658	ng		
28) bis(2-Chloroethoxy)met...	7.951	93	359282	33.707	ng		99
29) 2,4-Dichlorophenol	8.069	162	248689	34.959	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	256446	34.175	ng		99
31) Naphthalene	8.234	128	849869	33.165	ng		100
32) Benzoic acid	7.945	122	72695m	27.564	ng		
33) 4-Chloroaniline	8.275	127	302922	32.774	ng		100
34) Hexachlorobutadiene	8.351	225	166399	35.647	ng		99
35) Caprolactam	8.628	113	66390	33.198	ng		94
36) 4-Chloro-3-methylphenol	8.757	107	244639	32.804	ng		98
37) 2-Methylnaphthalene	8.922	142	566761	33.642	ng		99
38) 1-Methylnaphthalene	9.022	142	539612	33.258	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	268069	34.967	ng		100
41) Hexachlorocyclopentadiene	9.081	237	96295	39.285	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	152206	34.992	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	167691	34.139	ng	99
46) 1,1'-Biphenyl	9.386	154	673225	33.987	ng	99
47) 2-Chloronaphthalene	9.410	162	524013	33.589	ng	99
48) 2-Nitroaniline	9.504	65	157073	35.664	ng	98
49) Acenaphthylene	9.828	152	745240	33.079	ng	100
50) Dimethylphthalate	9.675	163	578964	35.368	ng	100
51) 2,6-Dinitrotoluene	9.739	165	114561	37.663	ng	95
52) Acenaphthene	9.998	154	496290	33.135	ng	99
53) 3-Nitroaniline	9.910	138	124269	37.068	ng	98
54) 2,4-Dinitrophenol	10.022	184	26990	31.747	ng	93
55) Dibenzofuran	10.169	168	711150	32.990	ng	99
56) 4-Nitrophenol	10.075	139	75539	31.741	ng	98
57) 2,4-Dinitrotoluene	10.145	165	151897	37.646	ng	90
58) Fluorene	10.510	166	545337	33.121	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	113591	34.306	ng	99
60) Diethylphthalate	10.381	149	542830	37.021	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	276957	34.812	ng	98
62) 4-Nitroaniline	10.522	138	111923	34.507	ng	98
63) Azobenzene	10.663	77	551455	32.926	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	51789	33.493	ng	92
66) n-Nitrosodiphenylamine	10.616	169	463067	33.956	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	168183	35.507	ng	98
68) Hexachlorobenzene	11.063	284	176143	34.499	ng	99
69) Atrazine	11.139	200	145202	40.822	ng	99
70) Pentachlorophenol	11.257	266	105636	45.062	ng	97
71) Phenanthrene	11.475	178	740641	32.777	ng	100
72) Anthracene	11.527	178	759937	33.161	ng	99
73) Carbazole	11.680	167	639211	32.752	ng	100
74) Di-n-butylphthalate	12.004	149	782503	47.381	ng	100
75) Fluoranthene	12.663	202	698921	35.311	ng	99
77) Benzidine	12.780	184	259786	30.486	ng	99
78) Pyrene	12.892	202	716275	27.393	ng	100
80) Butylbenzylphthalate	13.504	149	276153	53.064	ng	95
81) Benzo(a)anthracene	14.080	228	649572	32.789	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	219574	41.046	ng	98
83) Chrysene	14.116	228	606853	32.851	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	398390	52.051	ng	98
85) Di-n-octyl phthalate	14.674	149	705507	46.796	ng	96
87) Indeno(1,2,3-cd)pyrene	17.104	276	881606	32.320	ng	100
88) Benzo(b)fluoranthene	15.139	252	708748	34.034	ng	99
89) Benzo(k)fluoranthene	15.168	252	661612	32.696	ng	100
90) Benzo(a)pyrene	15.515	252	646299	32.951	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	713480	32.740	ng	98
92) Benzo(g,h,i)perylene	17.557	276	680499	30.998	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

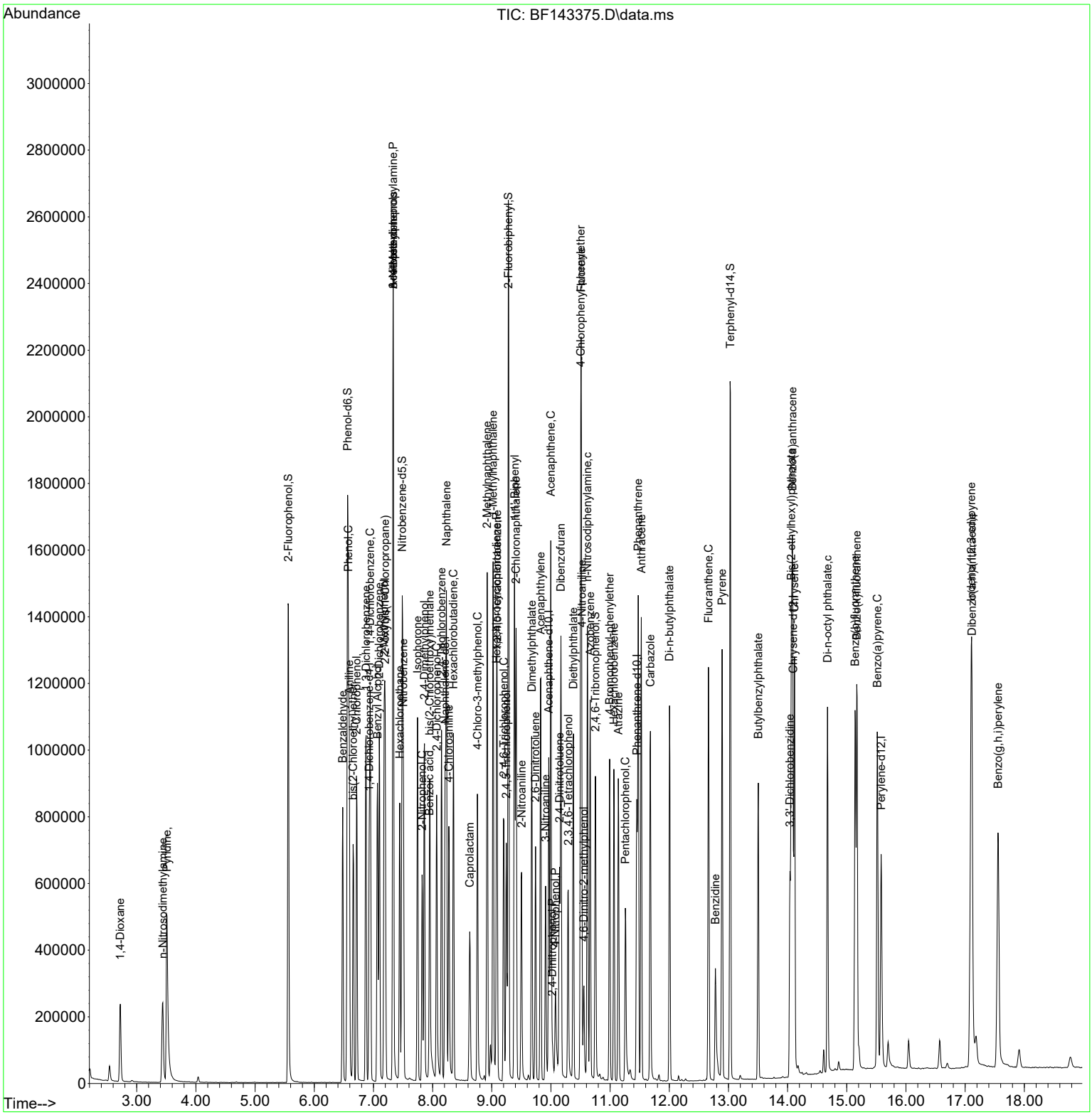
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

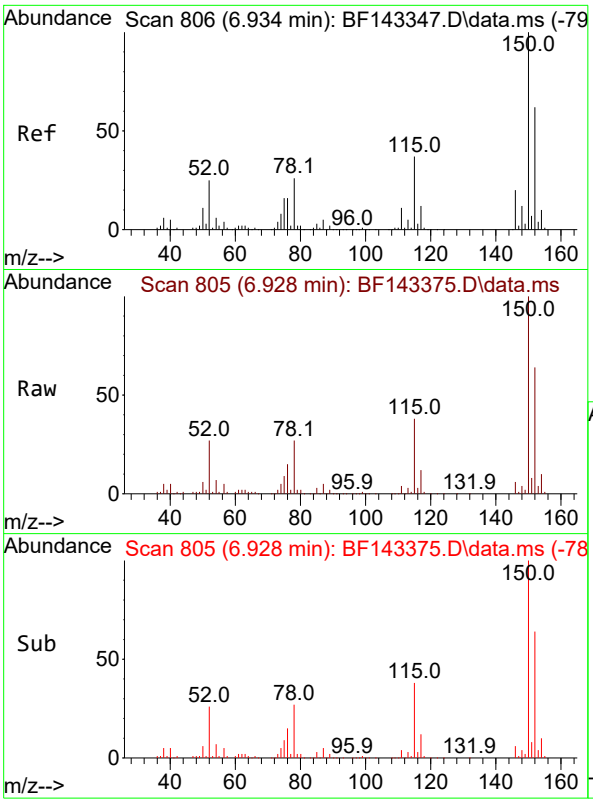
Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

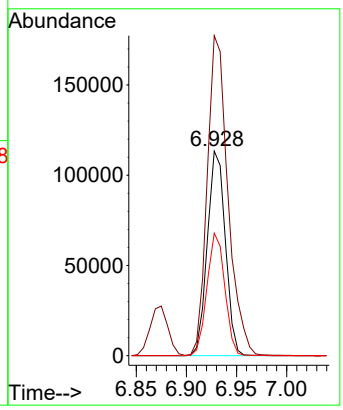




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:152 Resp: 14218

Ion	Ratio	Lower	Upper
152	100		
150	156.4	129.8	194.8
115	59.9	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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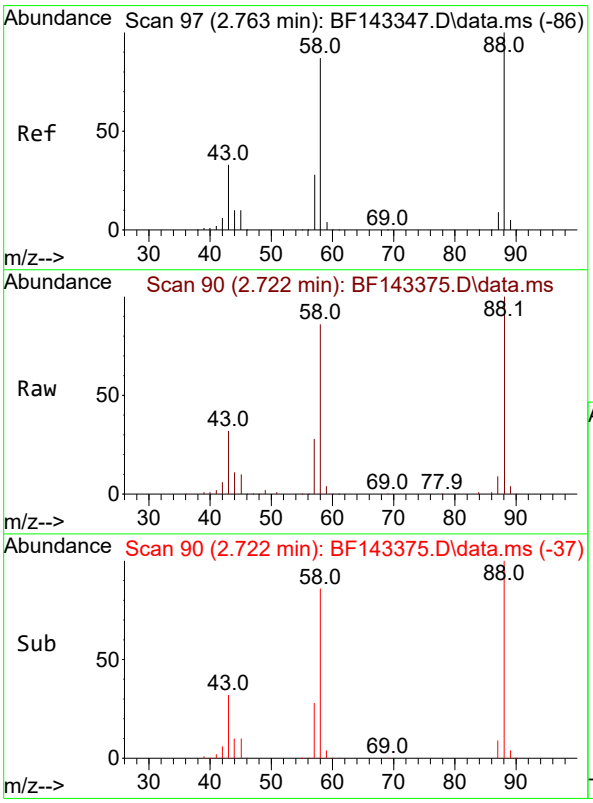
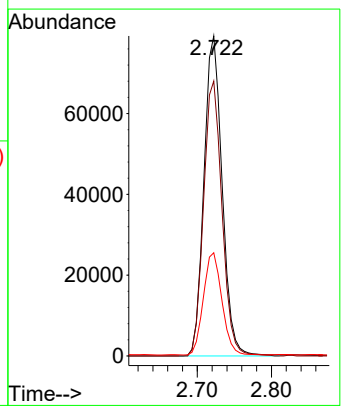
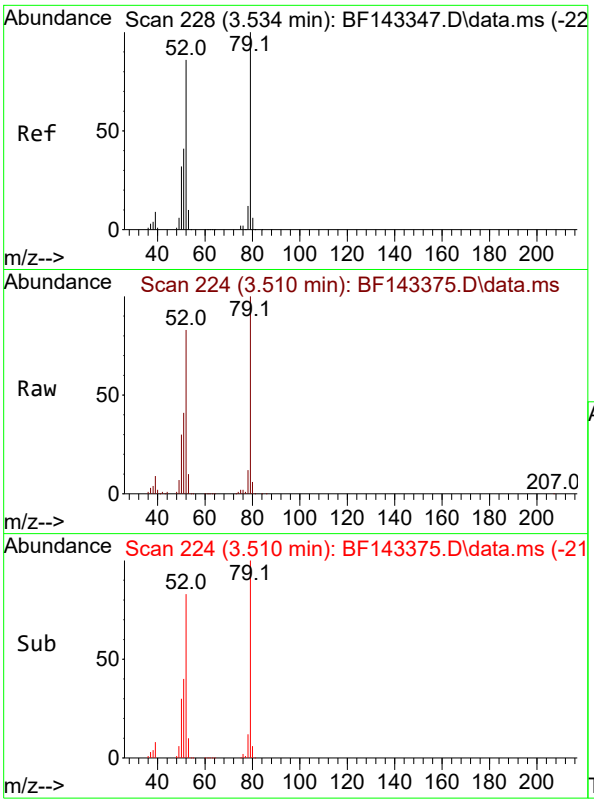


#2
1,4-Dioxane
Concen: 31.794 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.041 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 88 Resp: 135272

Ion	Ratio	Lower	Upper
88	100		
58	86.8	71.0	106.6
43	32.4	27.0	40.6

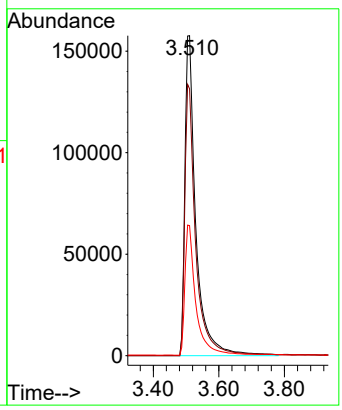




#3
Pyridine
Concen: 32.190 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 79 Resp: 36496

Ion	Ratio	Lower	Upper
79	100		
52	83.4	68.7	103.1
51	40.7	33.4	50.0



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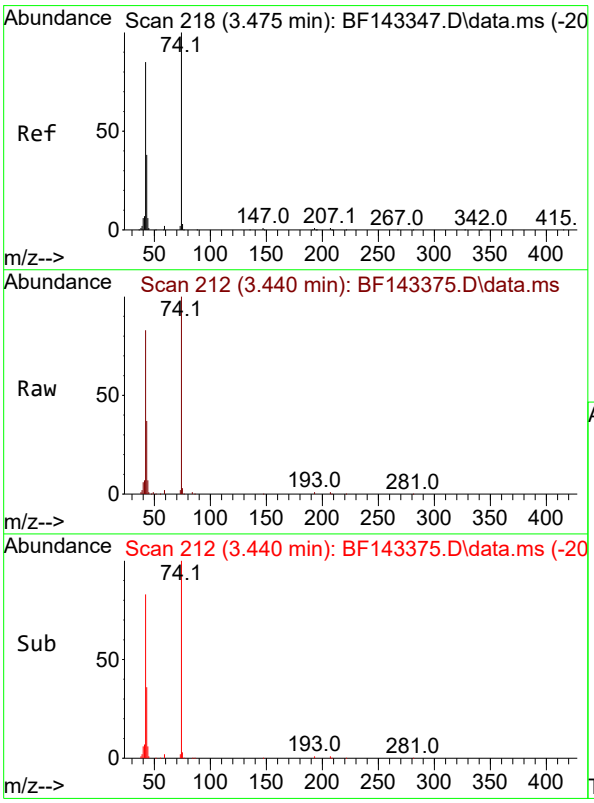
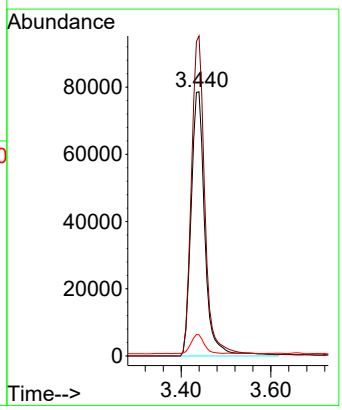
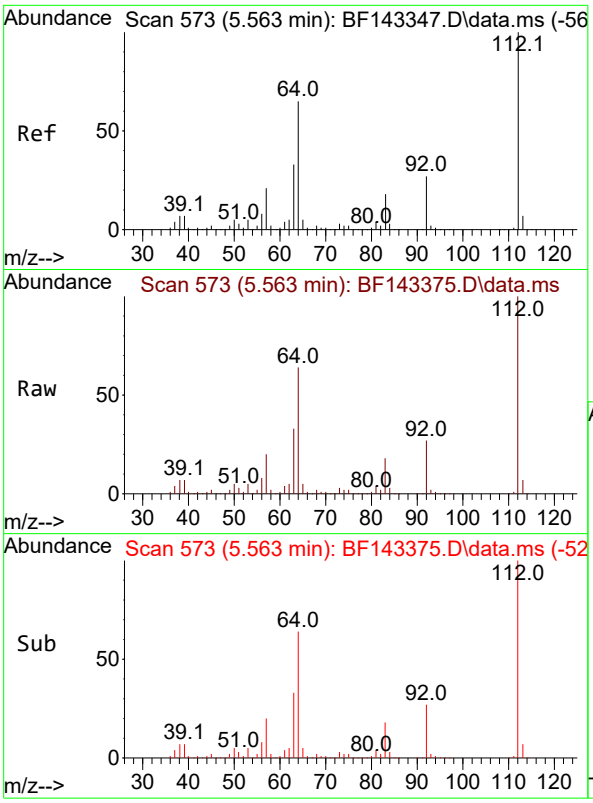


#4
n-Nitrosodimethylamine
Concen: 31.595 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.035 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 42 Resp: 166866

Ion	Ratio	Lower	Upper
42	100		
74	121.1	94.1	141.1
44	8.0	6.5	9.7

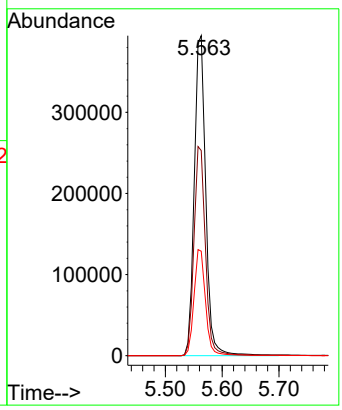




#5
2-Fluorophenol
Concen: 67.858 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:112 Resp: 55794

Ion	Ratio	Lower	Upper
112	100		
64	64.1	52.1	78.1
63	32.7	26.6	39.8



Instrument :
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ClientSampleId :
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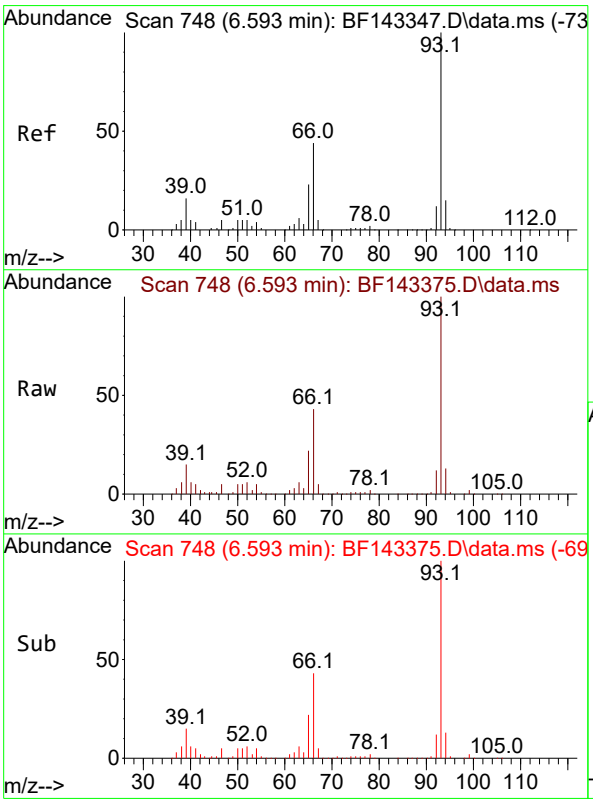
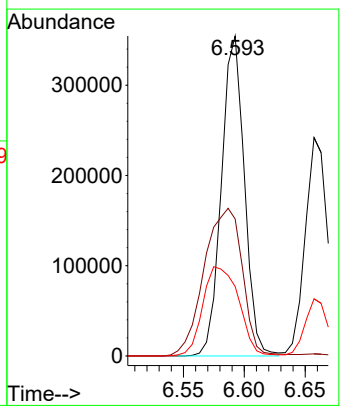
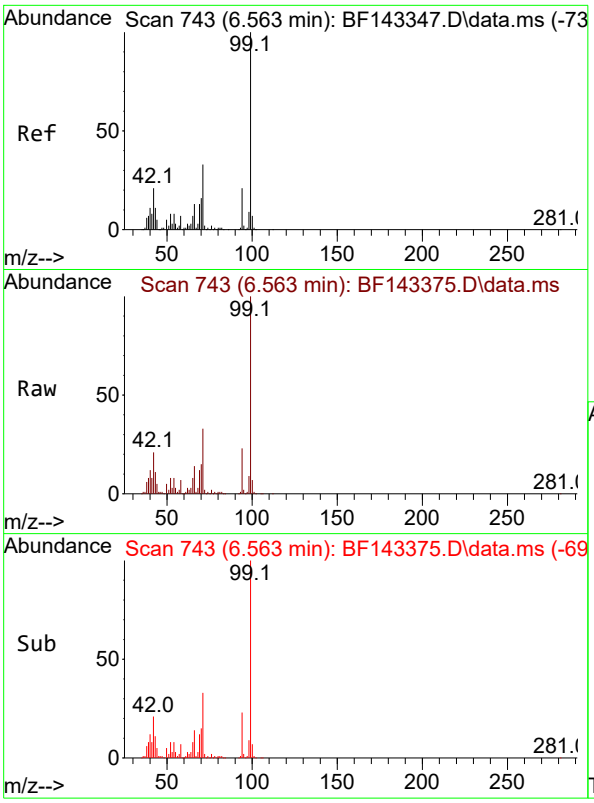


#6
Aniline
Concen: 31.368 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 93 Resp: 466271

Ion	Ratio	Lower	Upper
93	100		
66	42.8	35.3	52.9
65	21.7	18.2	27.4

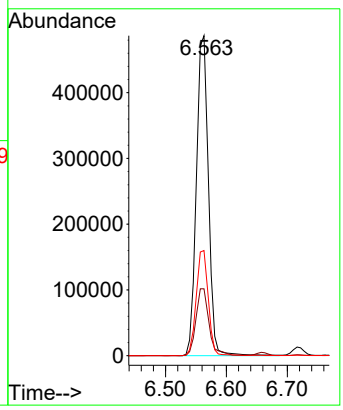




#7
Phenol-d6
Concen: 63.411 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 99 Resp: 66860

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	32.9	26.2	39.2



Instrument :
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ClientSampleId :
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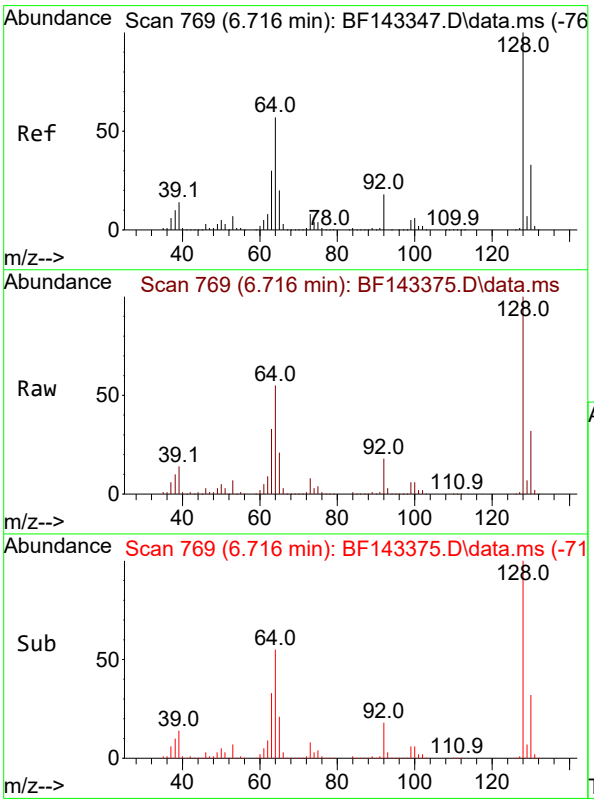
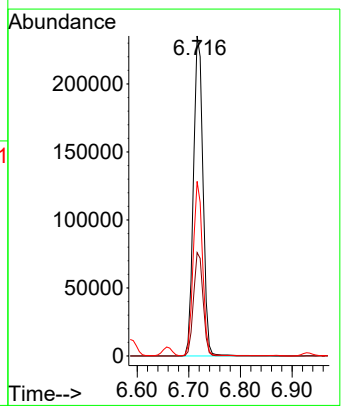
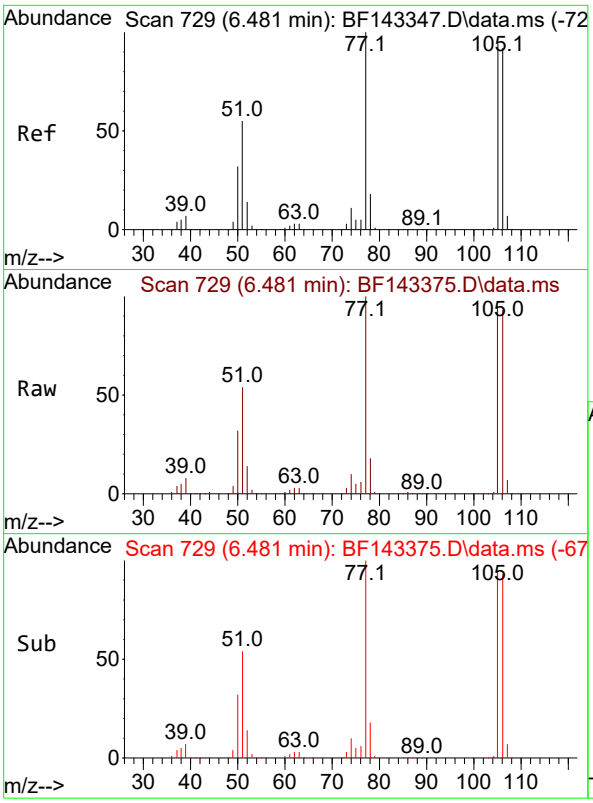


#8
2-Chlorophenol
Concen: 34.297 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:128 Resp: 301320

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	54.6	36.7	76.7

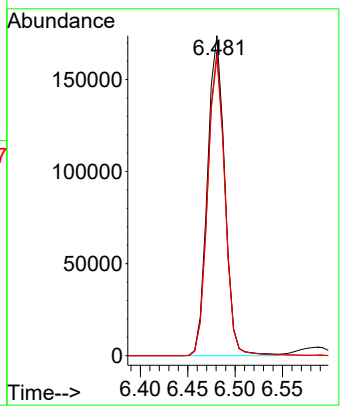




#9
Benzaldehyde
Concen: 31.682 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 77 Resp: 22079

Ion	Ratio	Lower	Upper
77	100		
105	95.0	74.2	114.2
106	93.2	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
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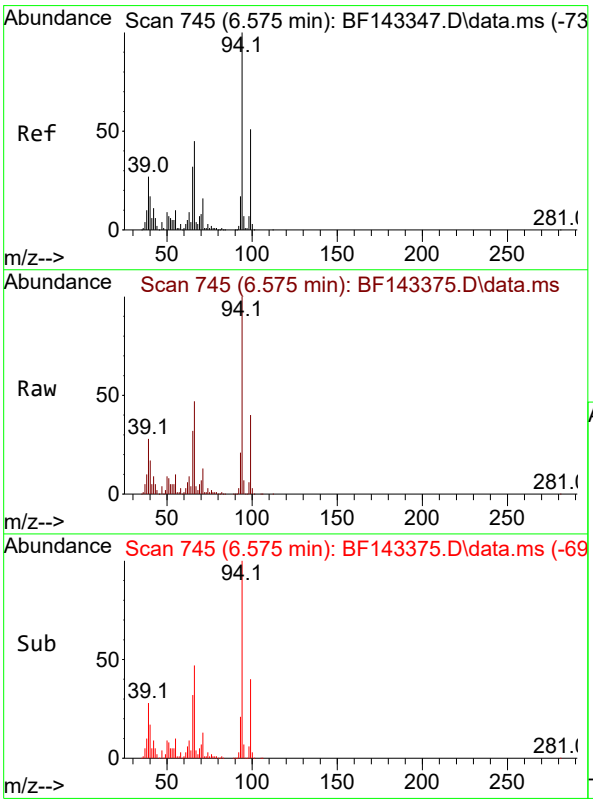
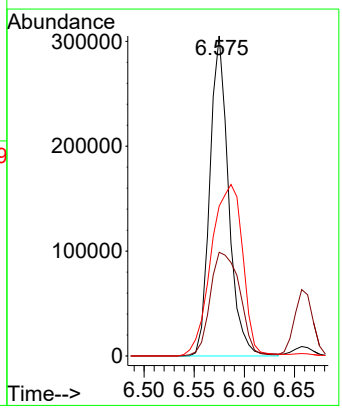
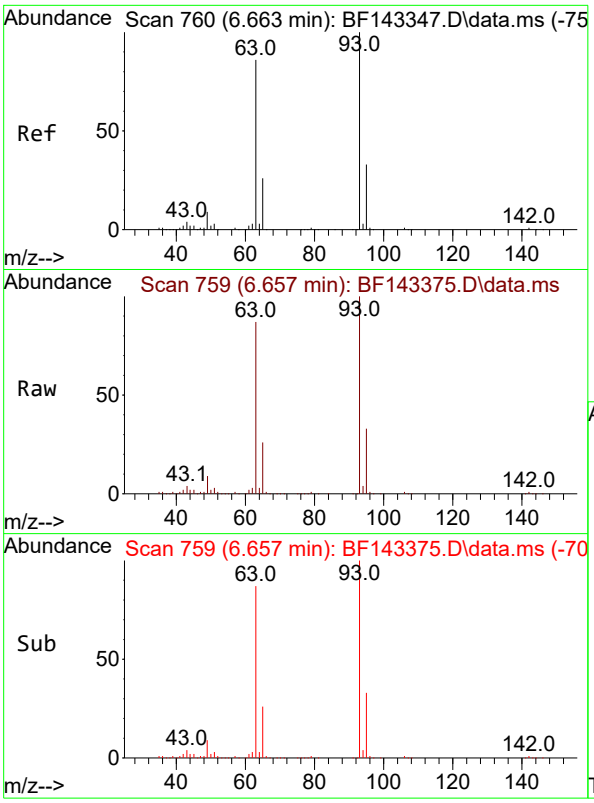


#10
Phenol
Concen: 31.714 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 94 Resp: 396137

Ion	Ratio	Lower	Upper
94	100		
65	32.4	12.0	52.0
66	46.8	25.6	65.6

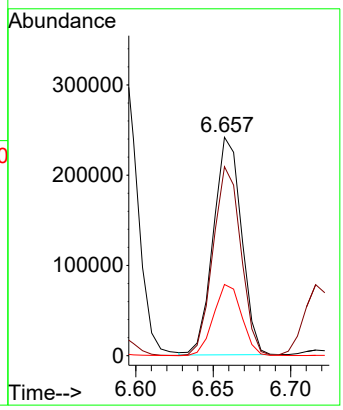




#11
bis(2-Chloroethyl)ether
Concen: 33.137 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 93 Resp: 30505

Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.7	105.7
95	32.6	13.0	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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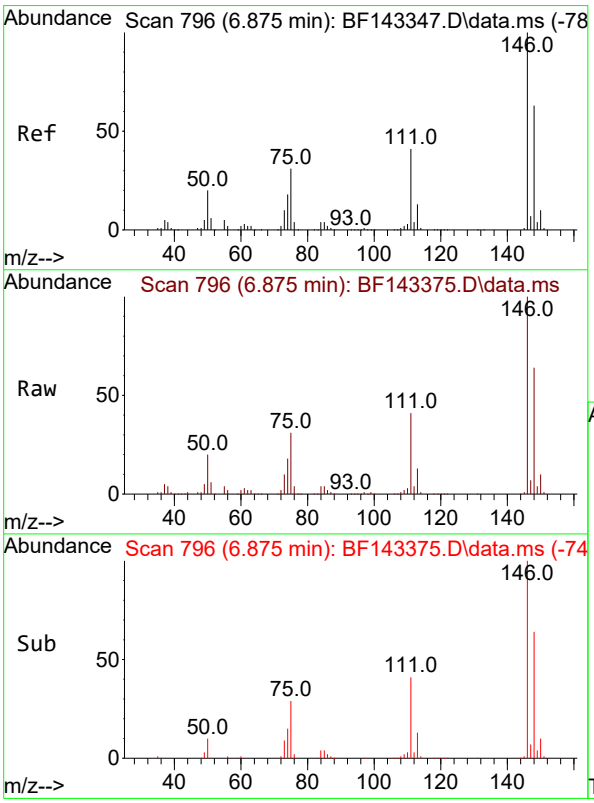
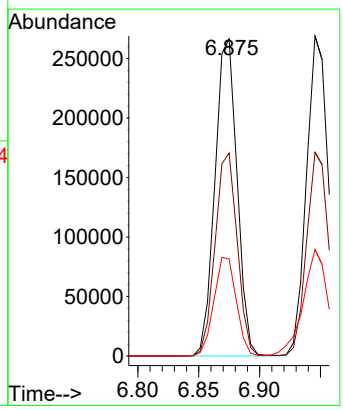
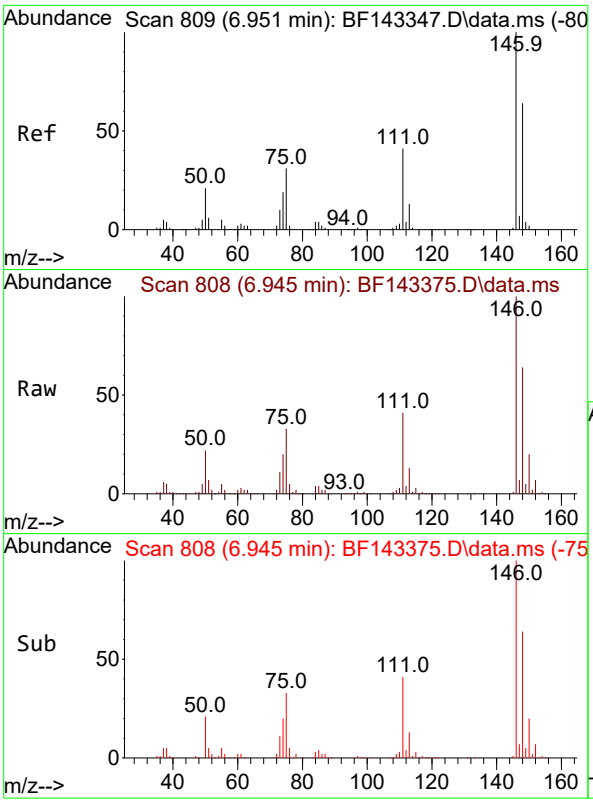


#12
1,3-Dichlorobenzene
Concen: 33.227 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:146 Resp: 336714

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.6	24.9	37.3

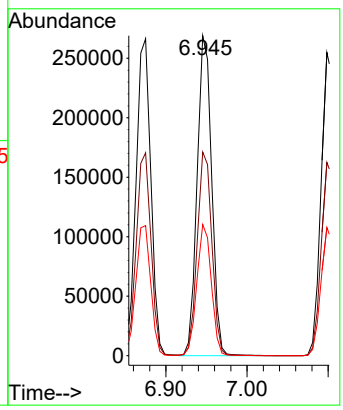




#13
1,4-Dichlorobenzene
Concen: 33.067 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:146 Resp: 33631

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	41.0	32.6	48.8



Instrument :
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ClientSampleId :
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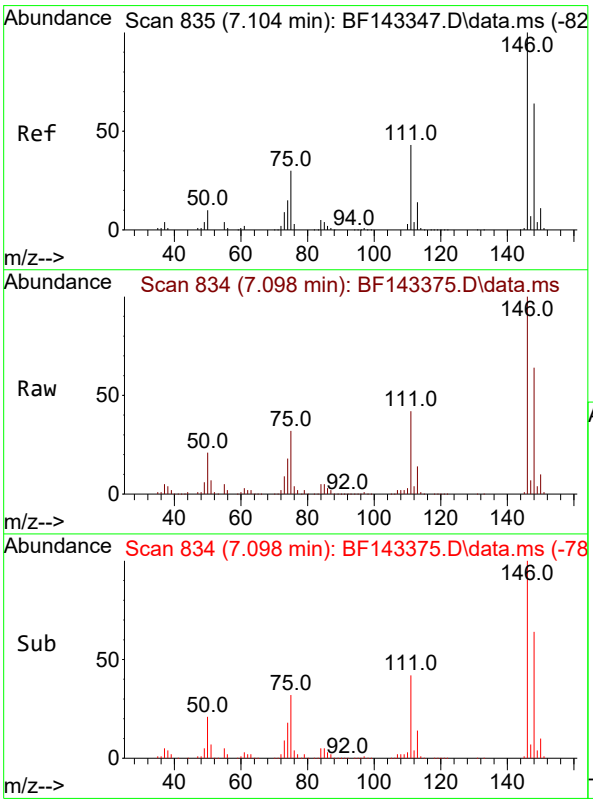
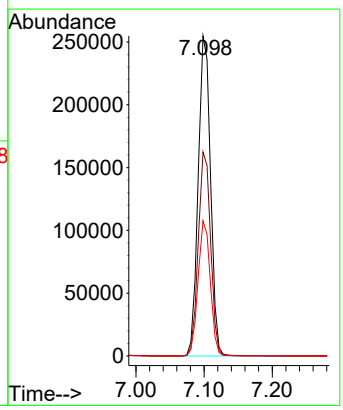
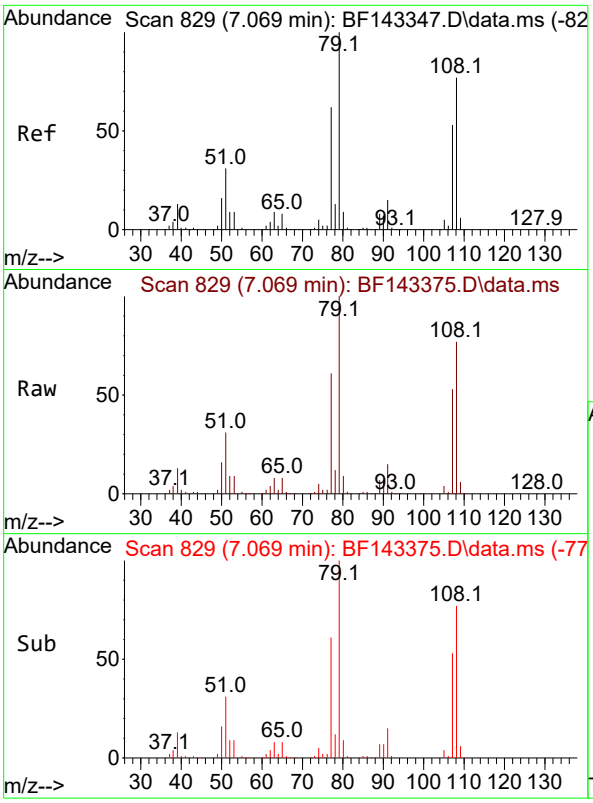


#14
1,2-Dichlorobenzene
Concen: 33.257 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:146 Resp: 321082

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	42.3	34.1	51.1





#15
Benzyl Alcohol
Concen: 33.205 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 79 Resp: 25096

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.5	92.3
77	60.9	49.8	74.8

Instrument :
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ClientSampleId :
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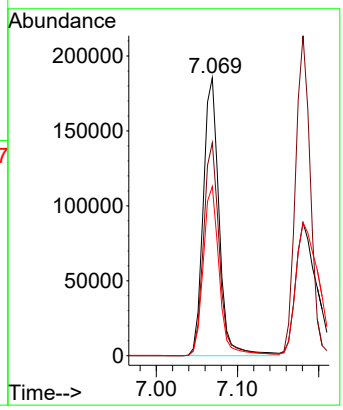
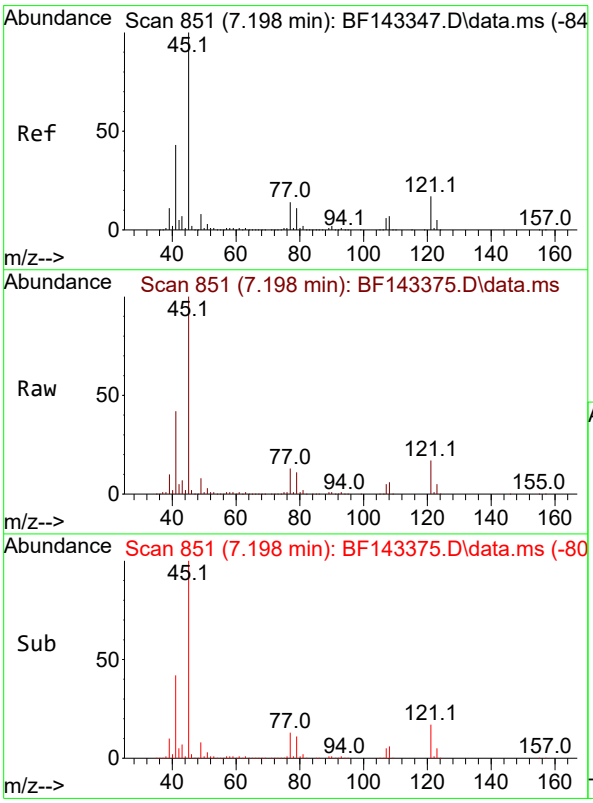
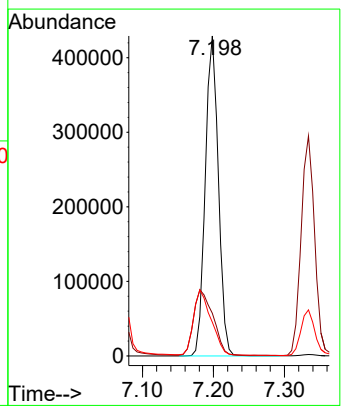


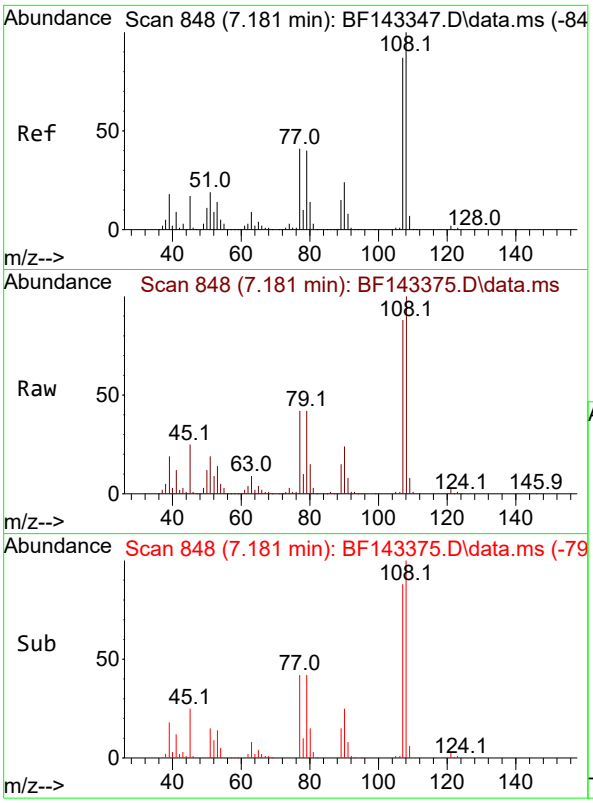


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.595 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 45 Resp: 552137

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	34.0
79	10.6	0.0	31.1

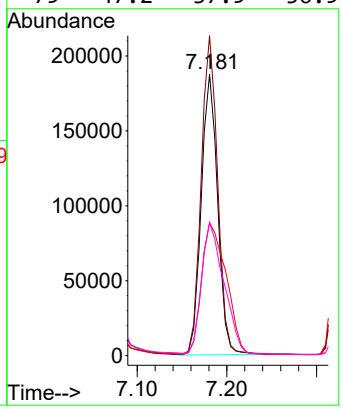




#17
2-Methylphenol
Concen: 32.041 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:107 Resp: 23762

Ion	Ratio	Lower	Upper
107	100		
108	113.7	92.0	138.0
77	47.3	38.2	57.2
79	47.2	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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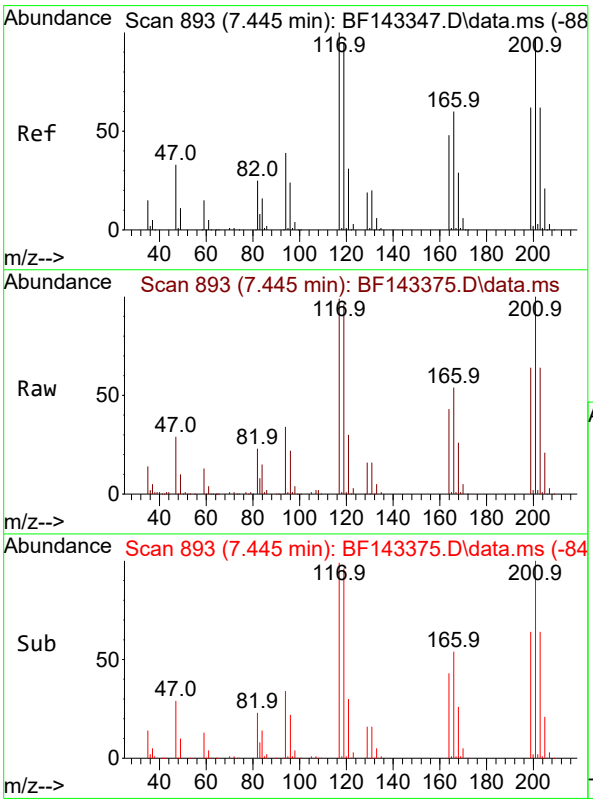
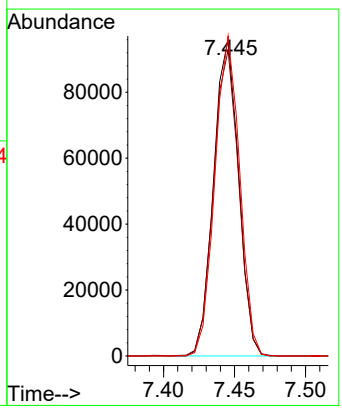
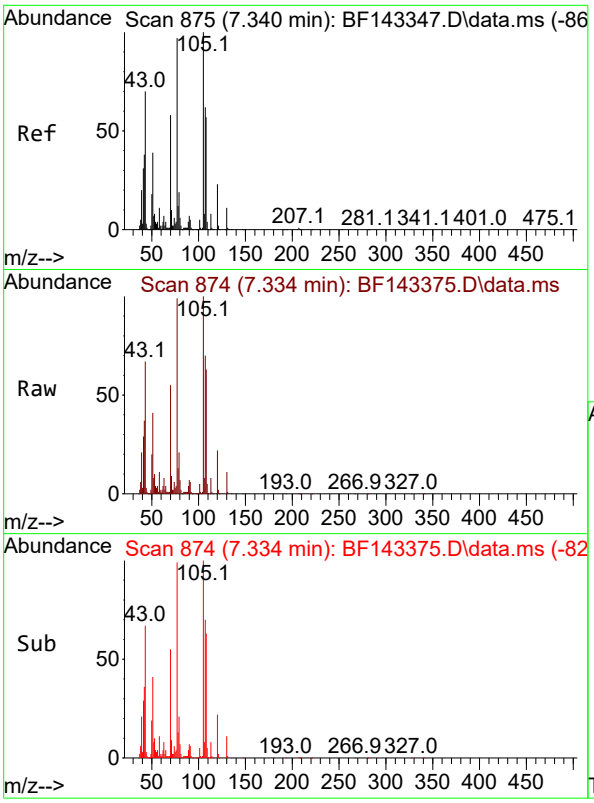


#18
Hexachloroethane
Concen: 36.789 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:117 Resp: 117308

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	101.1	77.2	115.8

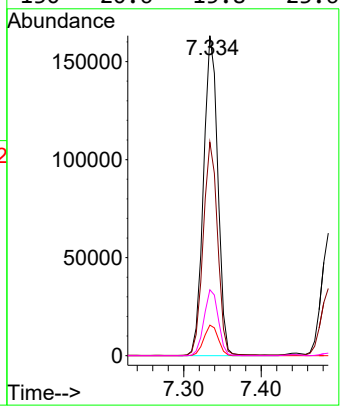




#19
n-Nitroso-di-n-propylamine
Concen: 32.223 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 70 Resp: 20993

Ion	Ratio	Lower	Upper
70	100		
42	66.7	51.6	77.4
101	9.6	7.5	11.3
130	20.6	15.8	23.6



Instrument :
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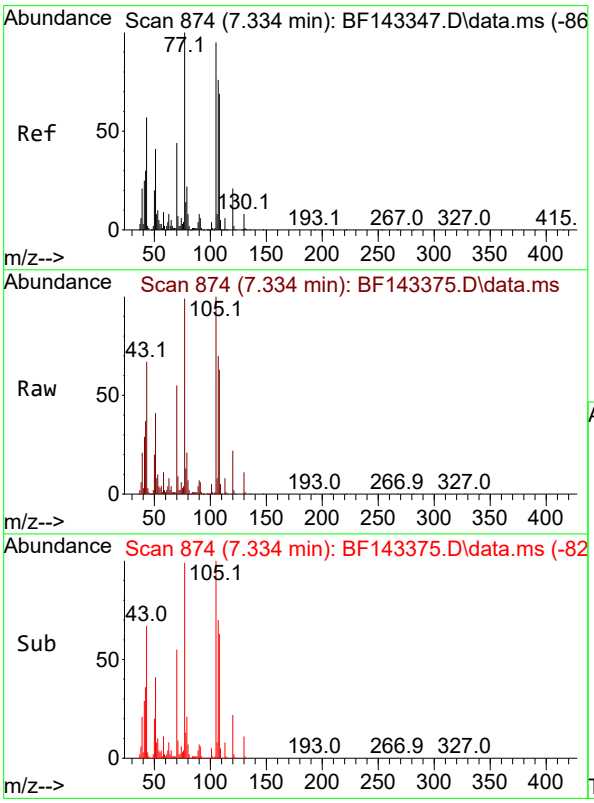
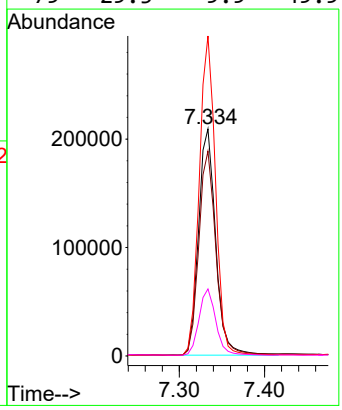
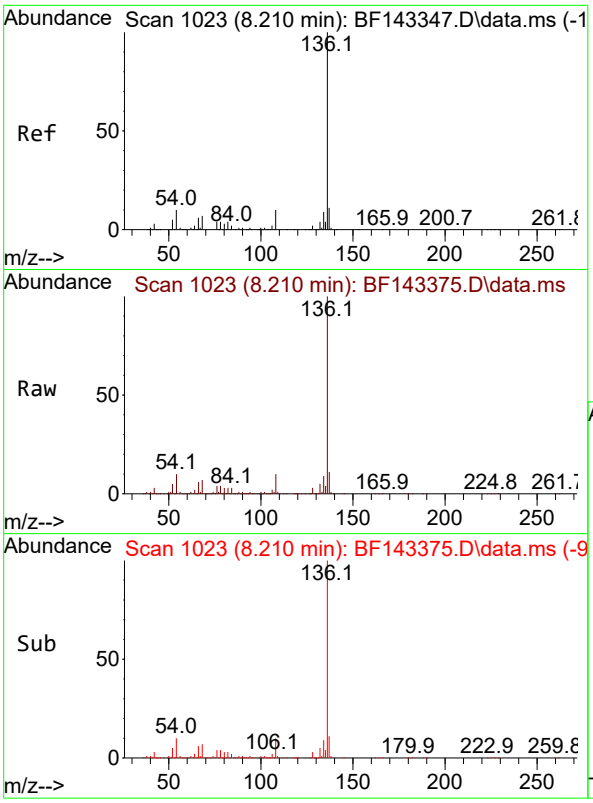


#20
3+4-Methylphenols
Concen: 32.537 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:107 Resp: 291824

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	141.0	112.0	152.0
79	29.5	9.9	49.9

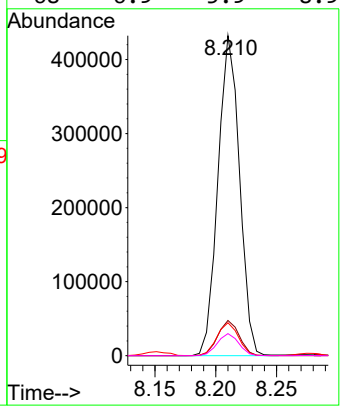




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:136 Resp: 53254

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.4	12.6
68	6.9	5.9	8.9



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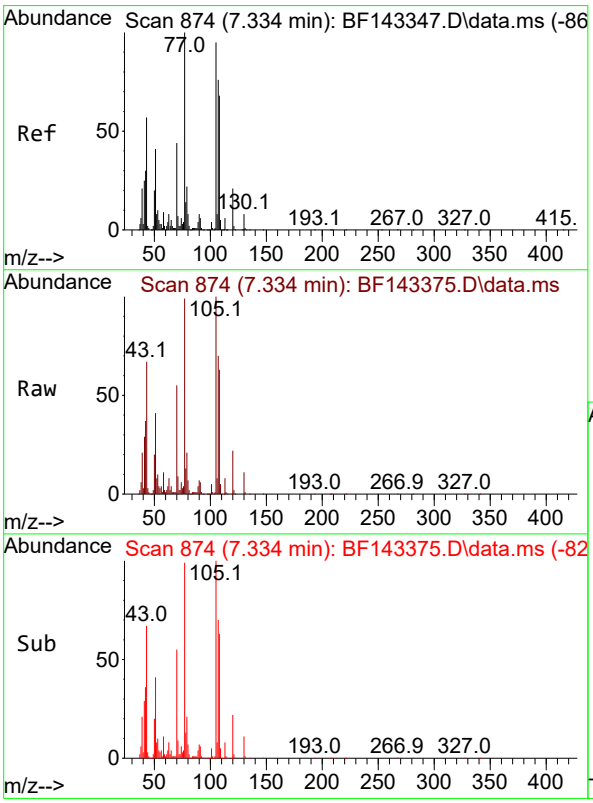
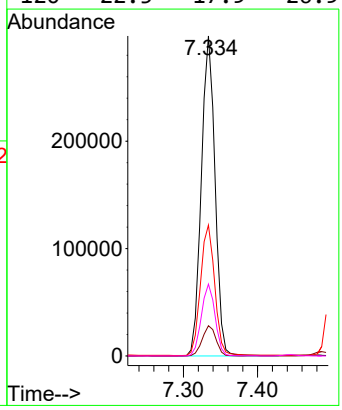
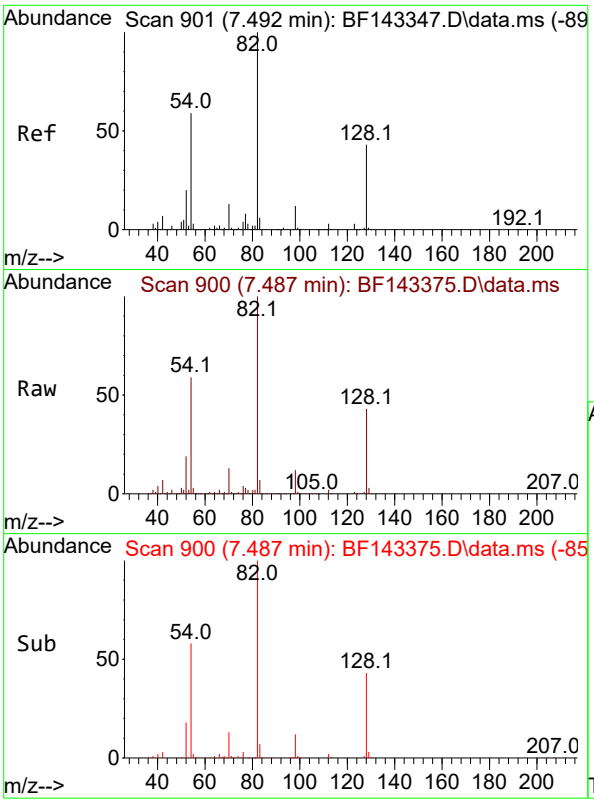


#22
Acetophenone
Concen: 32.697 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:105 Resp: 383657

Ion	Ratio	Lower	Upper
105	100		
71	9.4	6.2	9.4#
51	40.9	34.8	52.2
120	22.5	17.9	26.9





#23
Nitrobenzene-d5
Concen: 71.239 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 82 Resp: 60921

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.5	50.3
54	58.5	46.7	70.1

Instrument :
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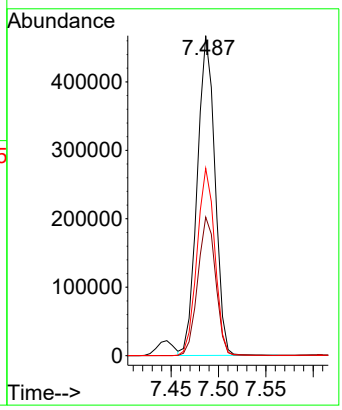
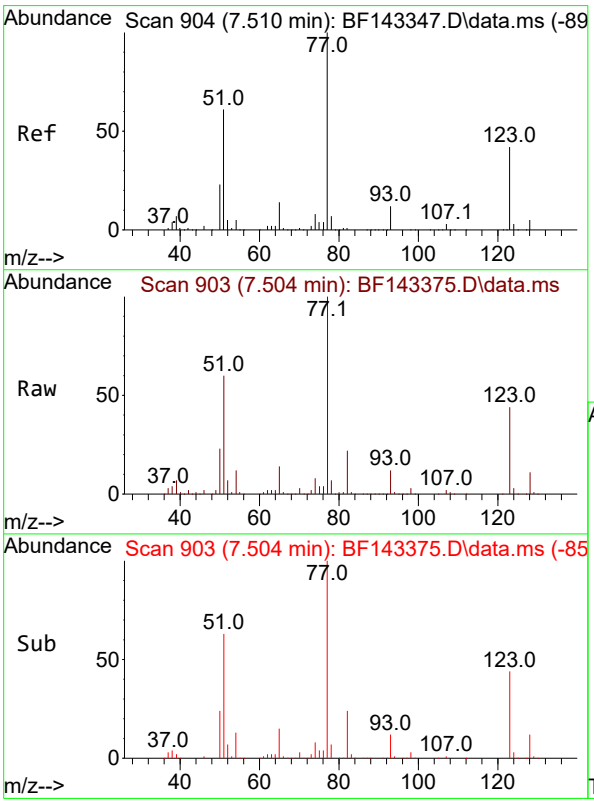
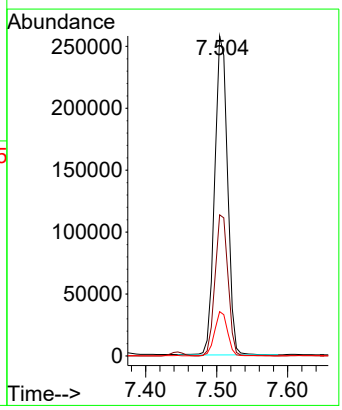


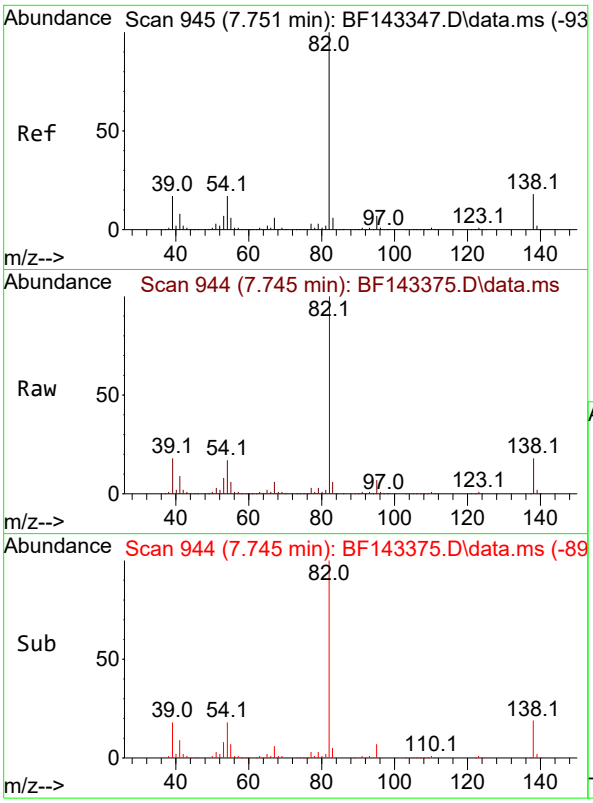


#24
Nitrobenzene
Concen: 34.811 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 77 Resp: 323310

Ion	Ratio	Lower	Upper
77	100		
123	44.1	34.8	52.2
65	13.9	11.0	16.6





#25
Isophorone
Concen: 32.761 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 82 Resp: 57193

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	17.9	14.6	21.8

Instrument :
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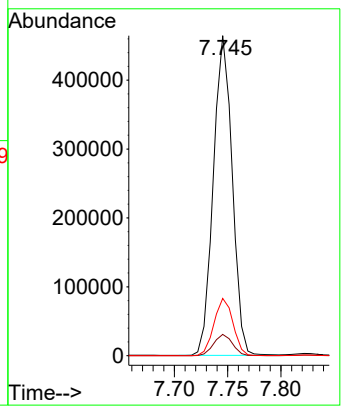
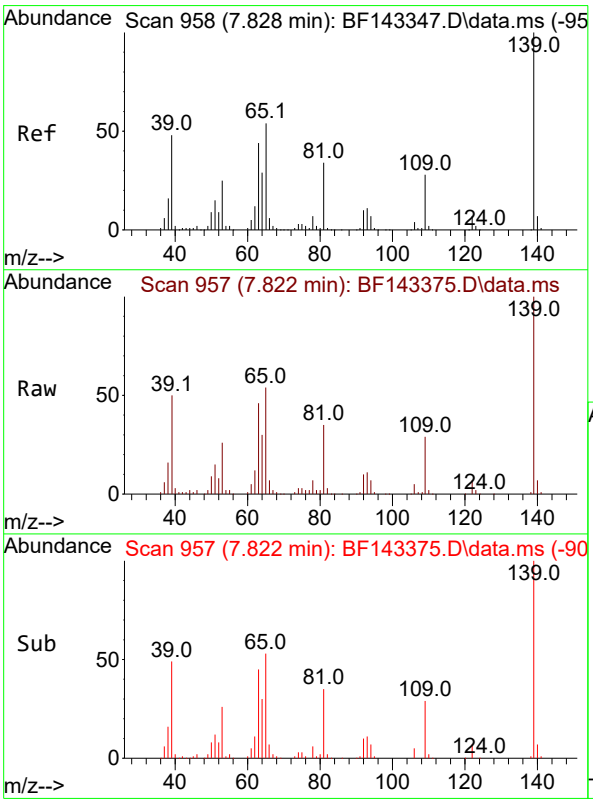
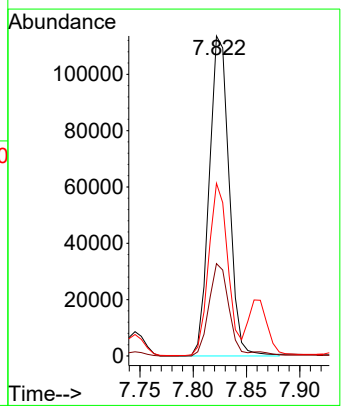


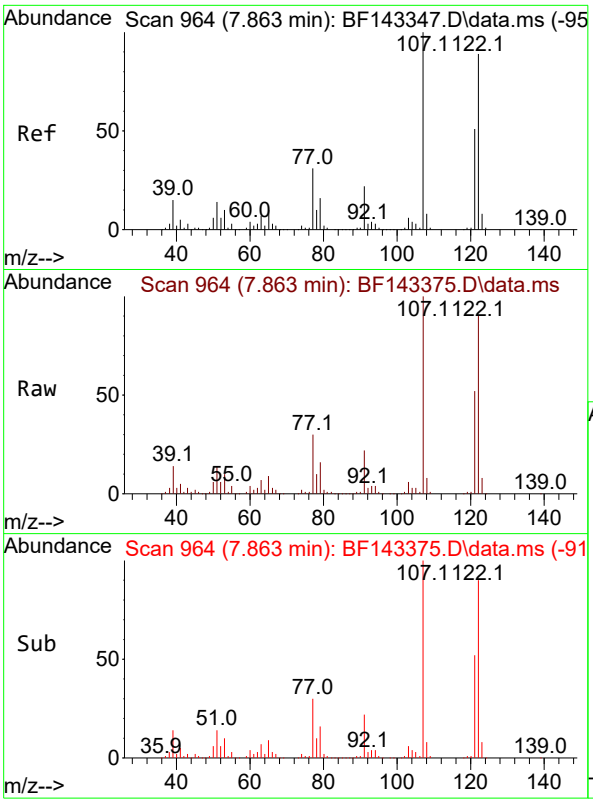


#26
2-Nitrophenol
Concen: 40.139 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:139 Resp: 146992

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.4	33.6
65	53.9	42.9	64.3

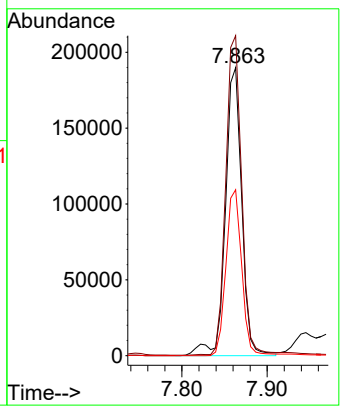




#27
2,4-Dimethylphenol
Concen: 34.658 ng m
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:122 Resp: 25243

Ion	Ratio	Lower	Upper
122	100		
107	111.1	89.9	134.9
121	57.6	46.2	69.4



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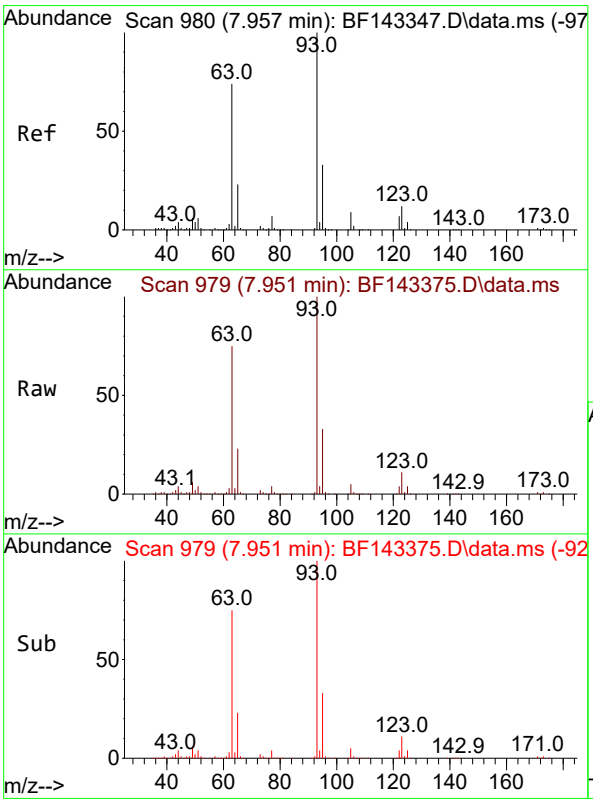
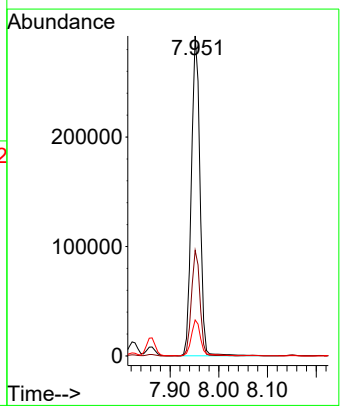
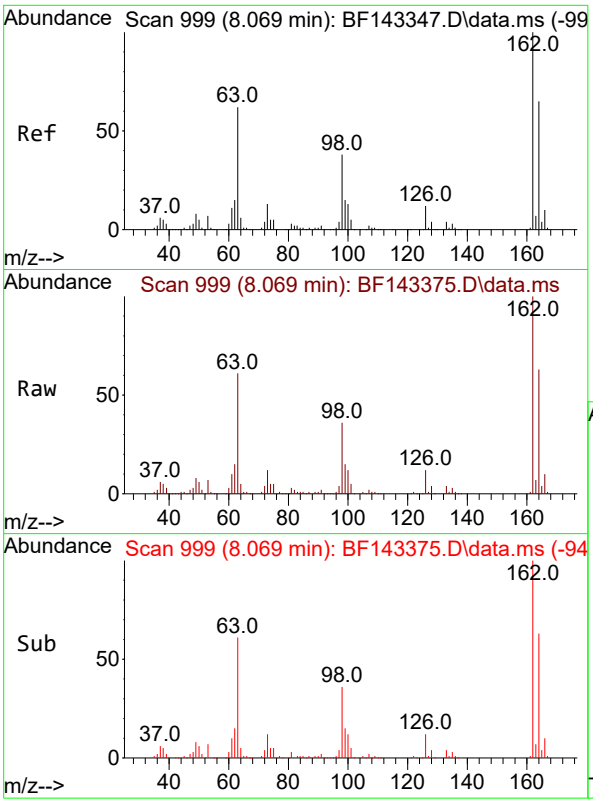


#28
bis(2-Chloroethoxy)methane
Concen: 33.707 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 93 Resp: 359282

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	11.2	9.4	14.2

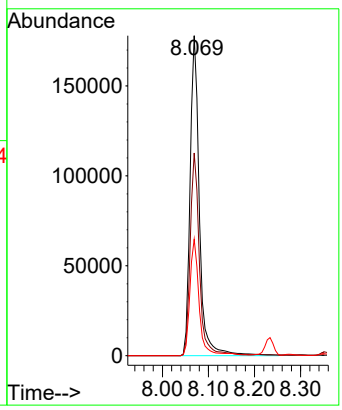




#29
2,4-Dichlorophenol
Concen: 34.959 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:162 Resp: 24868

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.5	84.5
98	36.4	17.7	57.7



Instrument :
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ClientSampleId :
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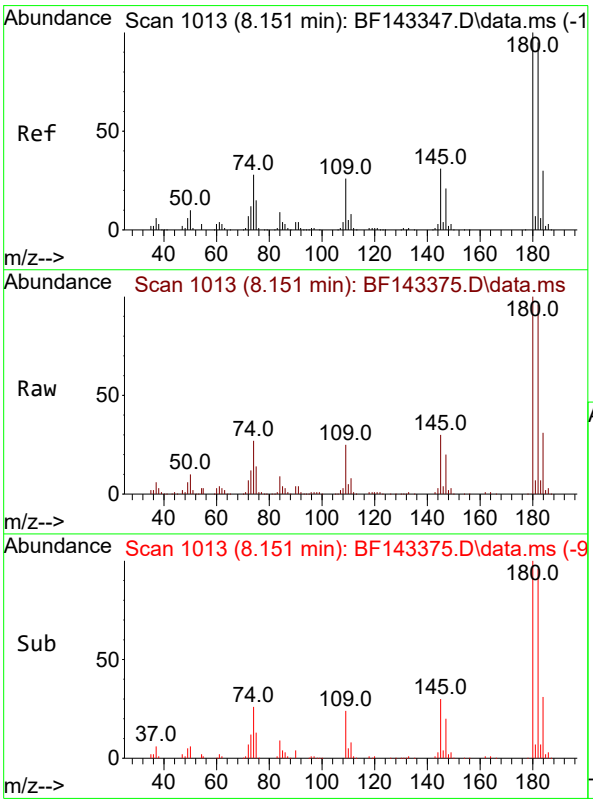
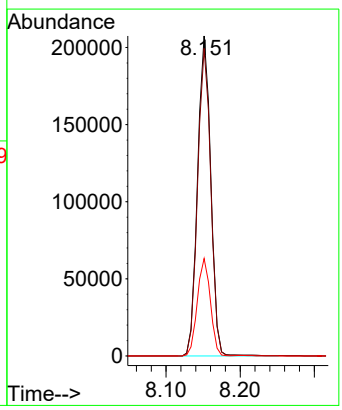
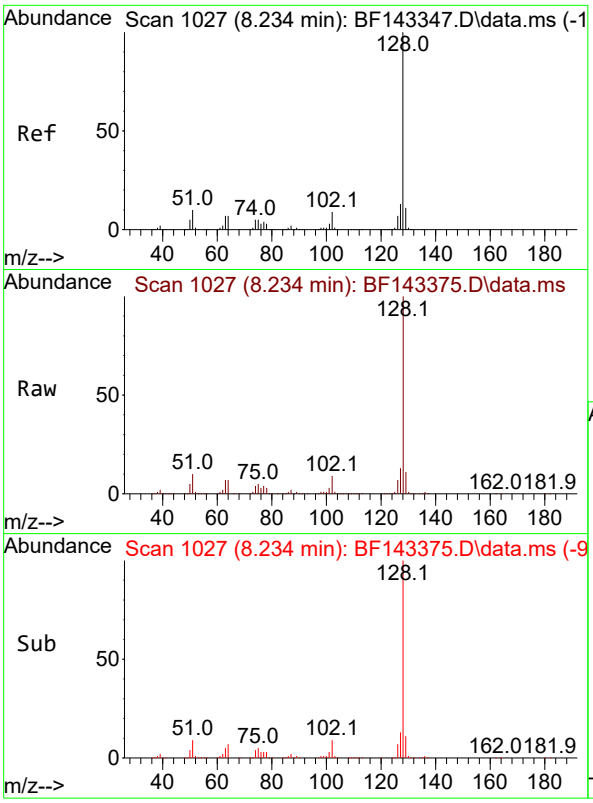


#30
1,2,4-Trichlorobenzene
Concen: 34.175 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:180 Resp: 256446

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.4	24.9	37.3

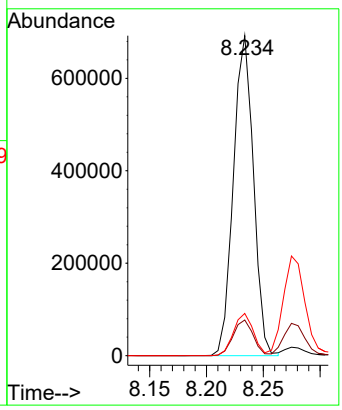




#31
Naphthalene
Concen: 33.165 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:128 Resp: 84986

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.7	16.1



Instrument :
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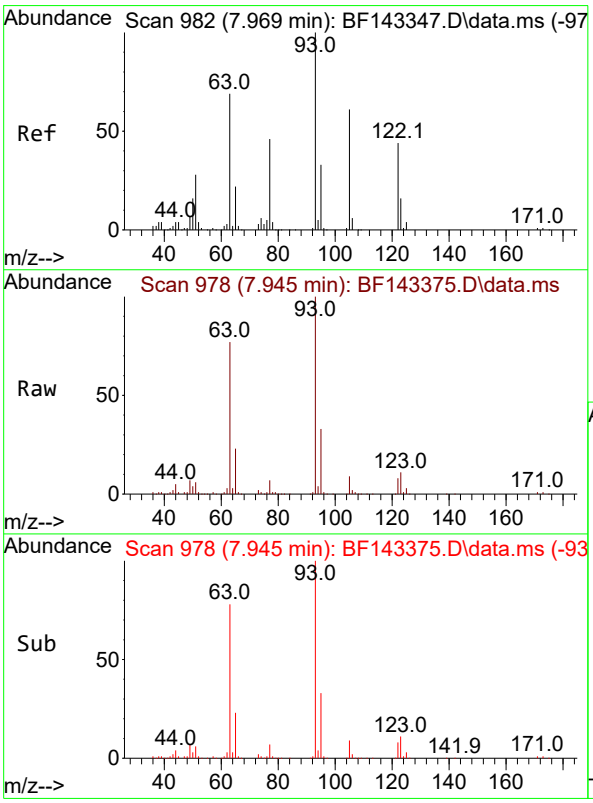
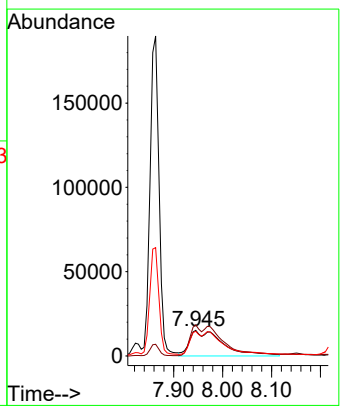
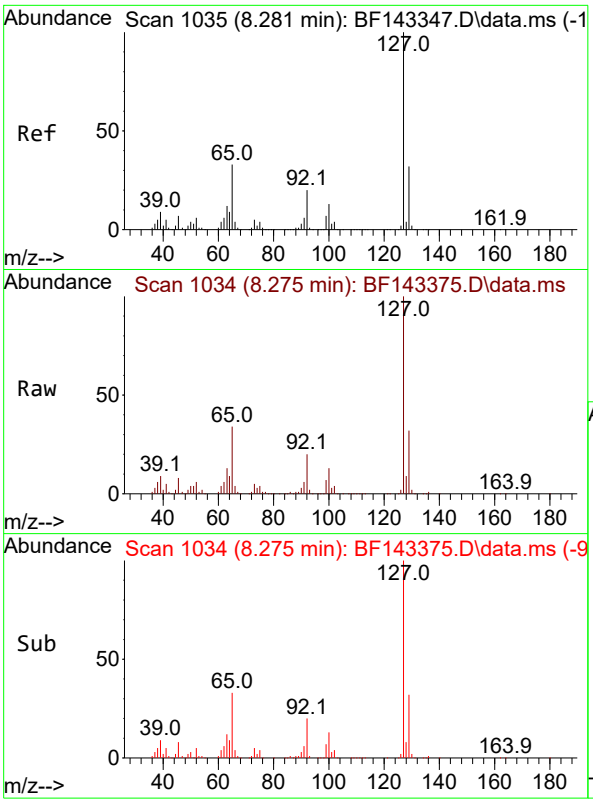


#32
Benzoic acid
Concen: 27.564 ng m
RT: 7.945 min Scan# 978
Delta R.T. -0.024 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:122 Resp: 72695

Ion	Ratio	Lower	Upper
122	100		
105	121.7	106.4	146.4
77	96.7	79.2	119.2

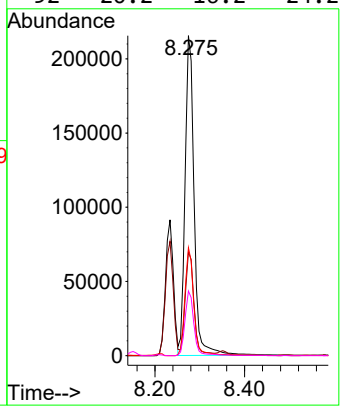




#33
4-Chloroaniline
Concen: 32.774 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:127 Resp: 30292

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	33.8	27.0	40.4
92	20.2	16.2	24.2



Instrument :
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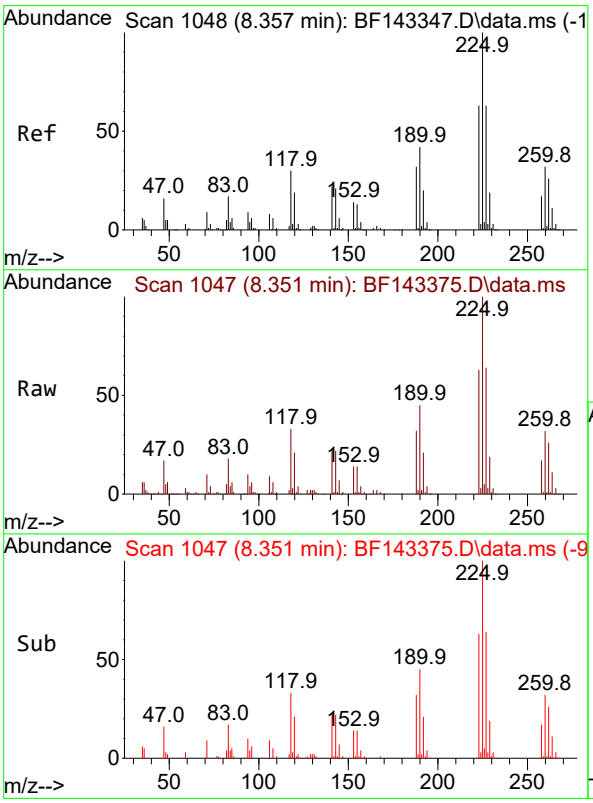
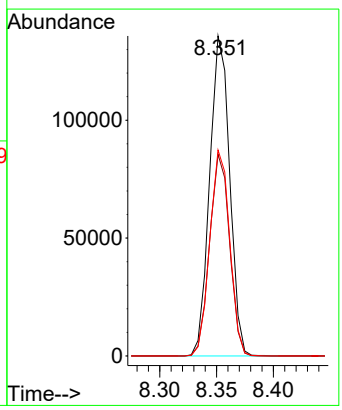
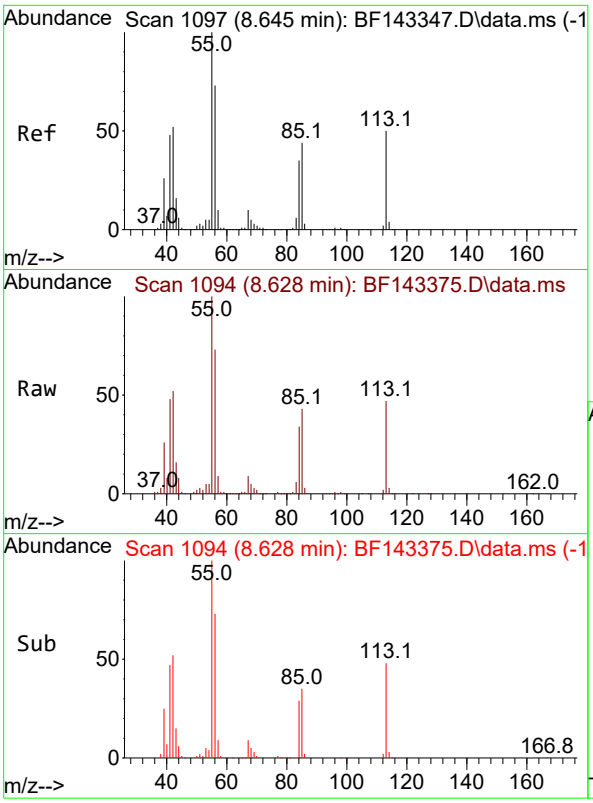


#34
Hexachlorobutadiene
Concen: 35.647 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:225 Resp: 166399

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	64.3	50.6	75.8

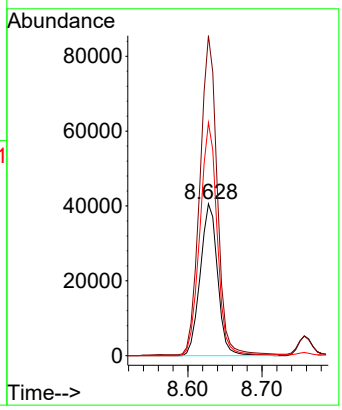




#35
Caprolactam
Concen: 33.198 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:113 Resp: 6639

Ion	Ratio	Lower	Upper
113	100		
55	210.6	181.4	221.4
56	153.4	127.3	167.3



Instrument :
BNA_F
ClientSampleId :
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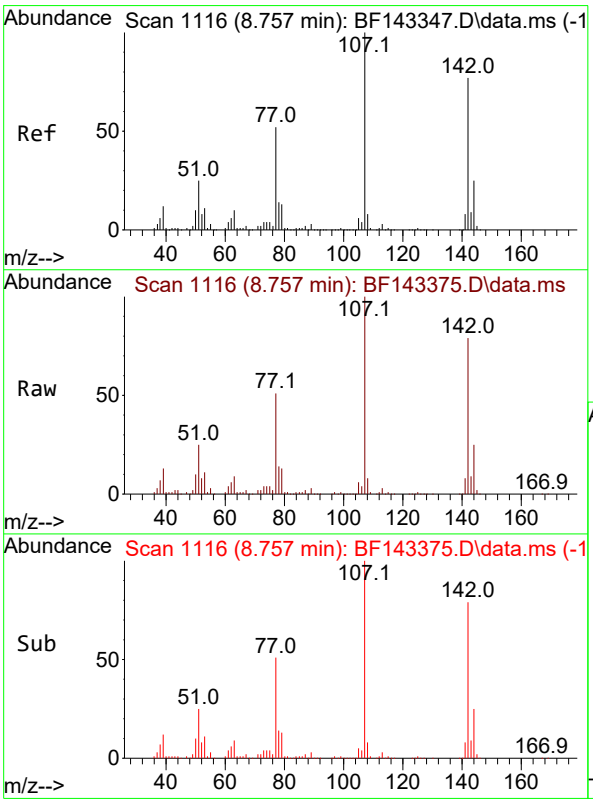
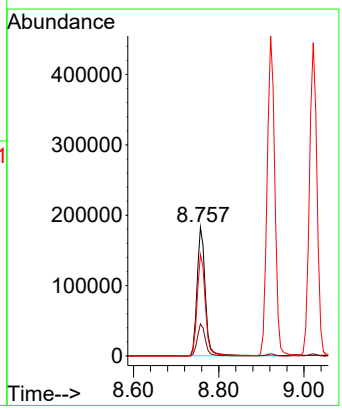
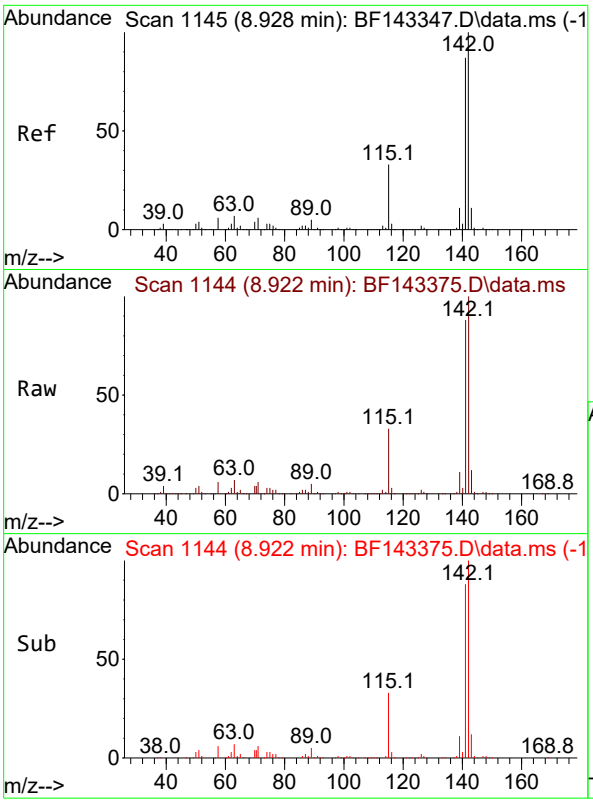


#36
4-Chloro-3-methylphenol
Concen: 32.804 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:107 Resp: 244639

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.0	30.0
142	78.8	61.3	91.9





#37
2-Methylnaphthalene
Concen: 33.642 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:142 Resp: 56676

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.8	104.8

Instrument :
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ClientSampleId :
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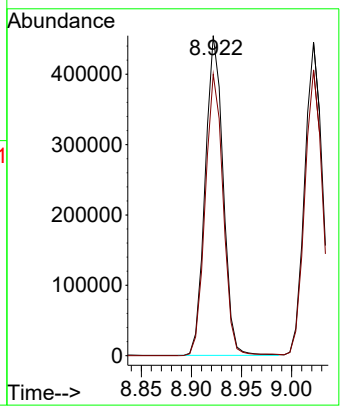
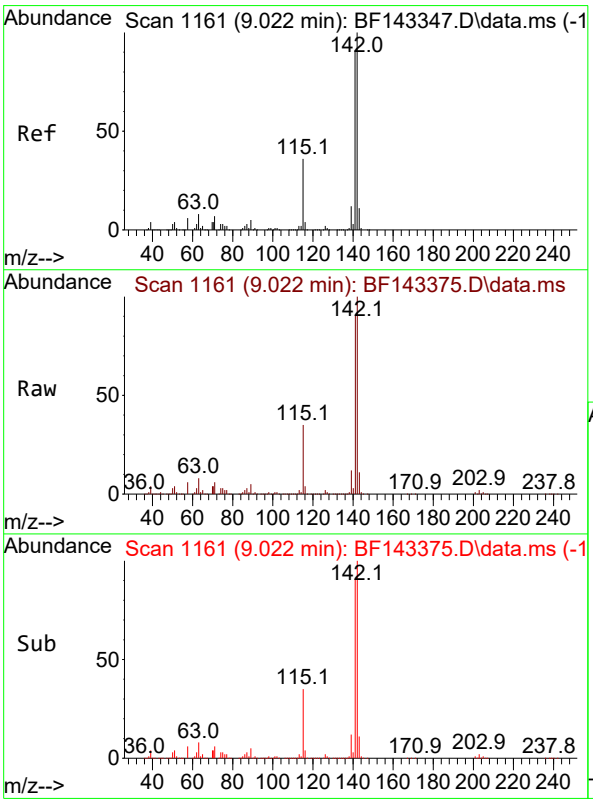
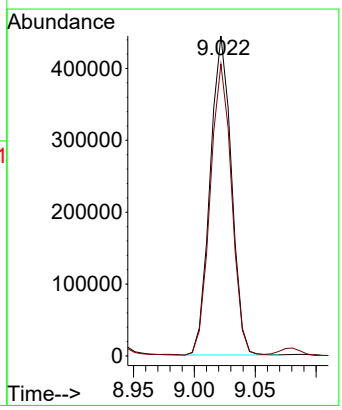


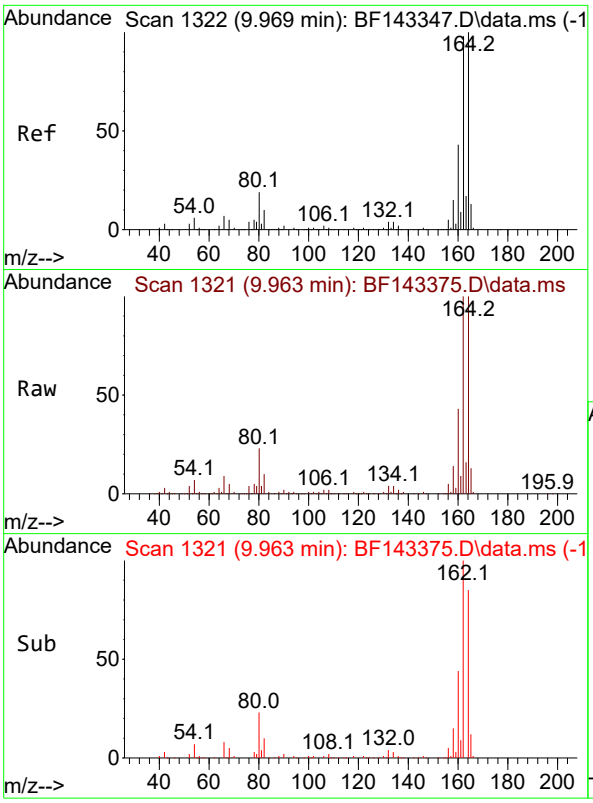


#38
1-Methylnaphthalene
Concen: 33.258 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:142 Resp: 539612

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4

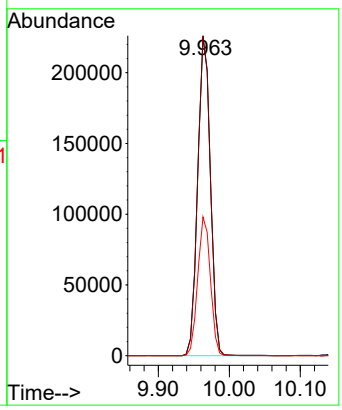




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:164 Resp: 28015

Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.6	118.0
160	43.6	34.4	51.6



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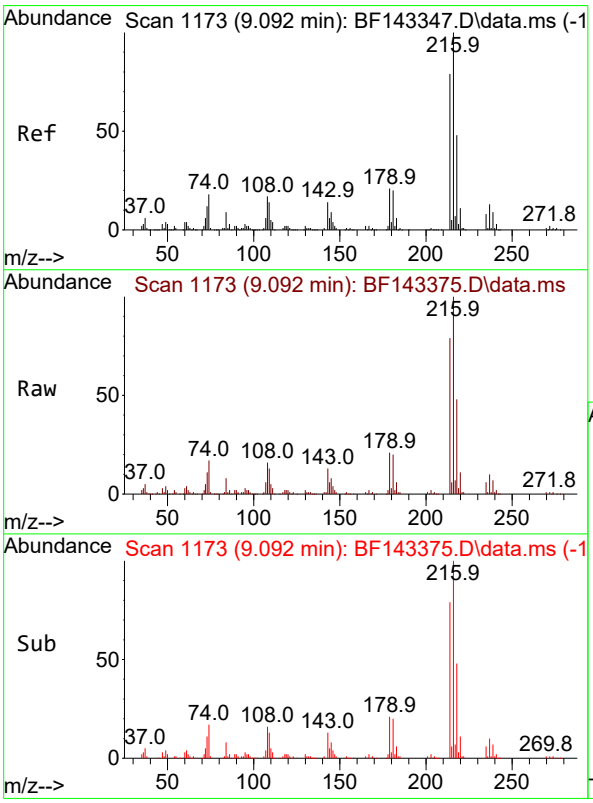
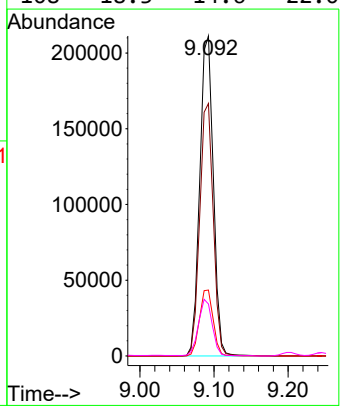
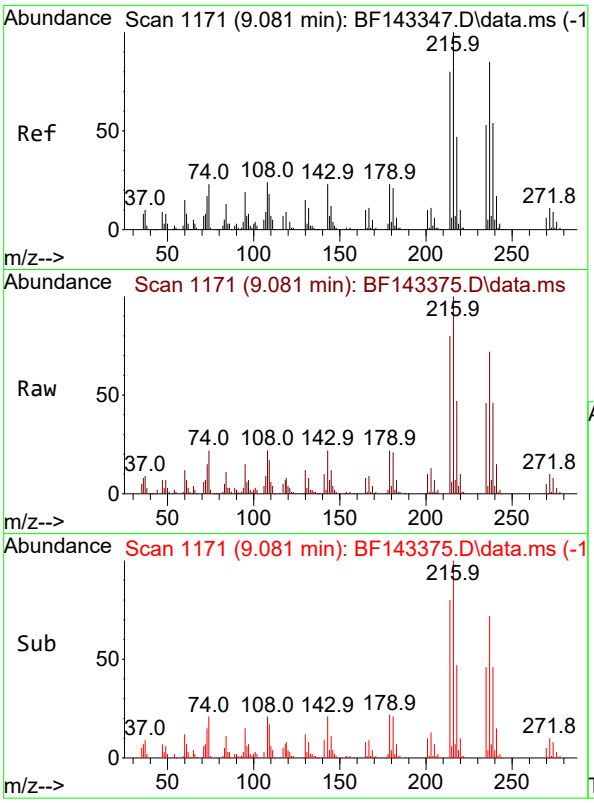


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.967 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:216 Resp: 268069

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	20.9	17.0	25.4
108	18.3	14.6	22.0





#41
Hexachlorocyclopentadiene
Concen: 39.285 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:237 Resp: 9629

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.0	82.0
272	13.2	0.0	32.6

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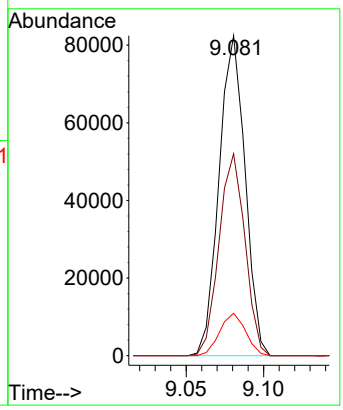
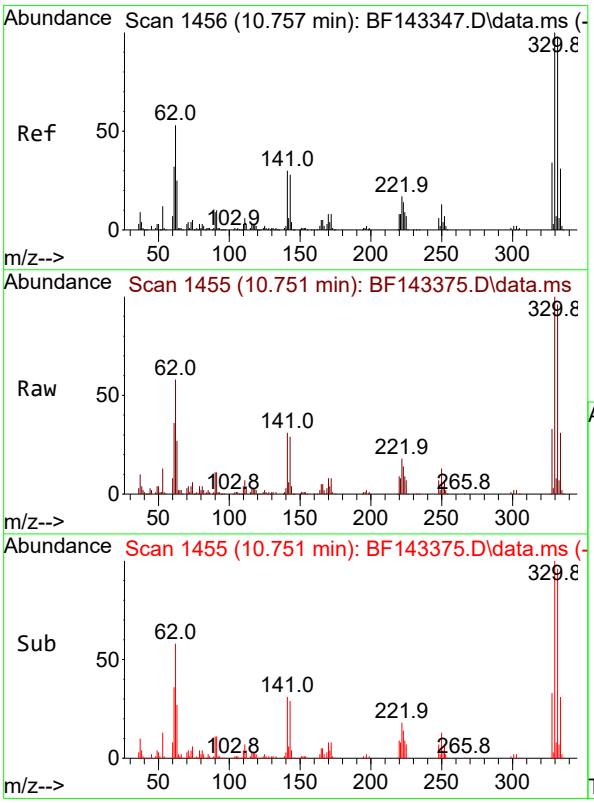
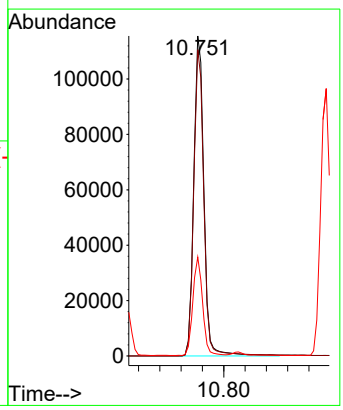


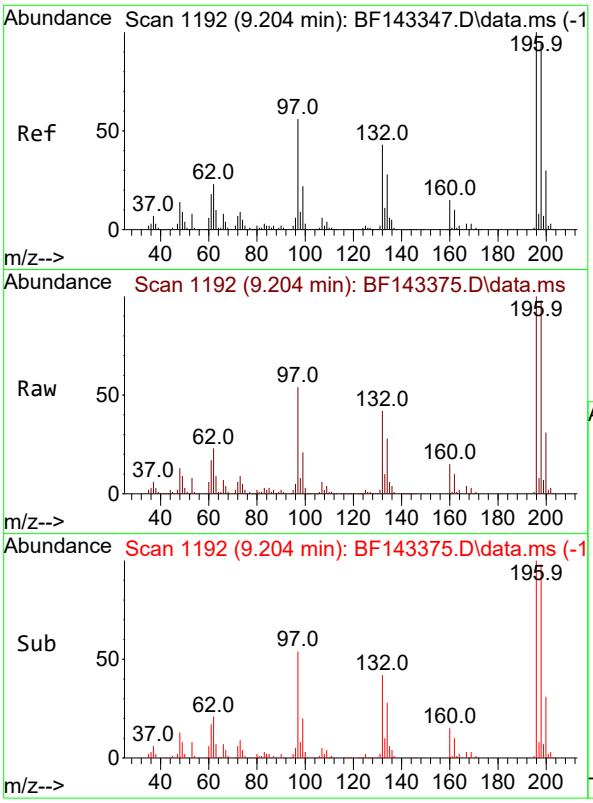


#42
2,4,6-Tribromophenol
Concen: 74.875 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:330 Resp: 153302

Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.1	117.1
141	29.4	25.4	38.0

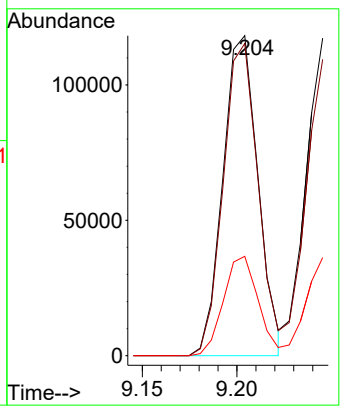




#43
2,4,6-Trichlorophenol
Concen: 34.992 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:196 Resp: 15220

Ion	Ratio	Lower	Upper
196	100		
198	97.6	75.4	113.0
200	31.1	24.3	36.5



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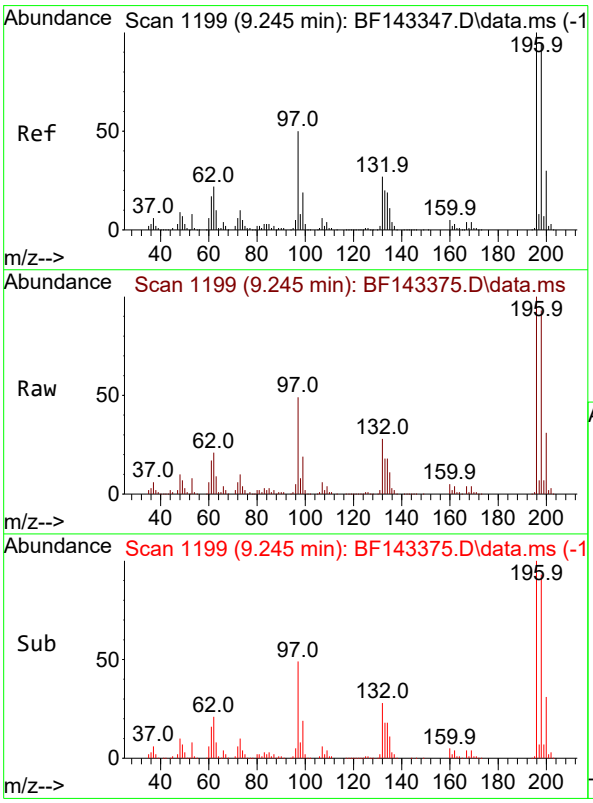
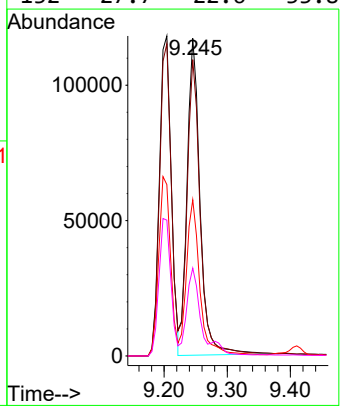
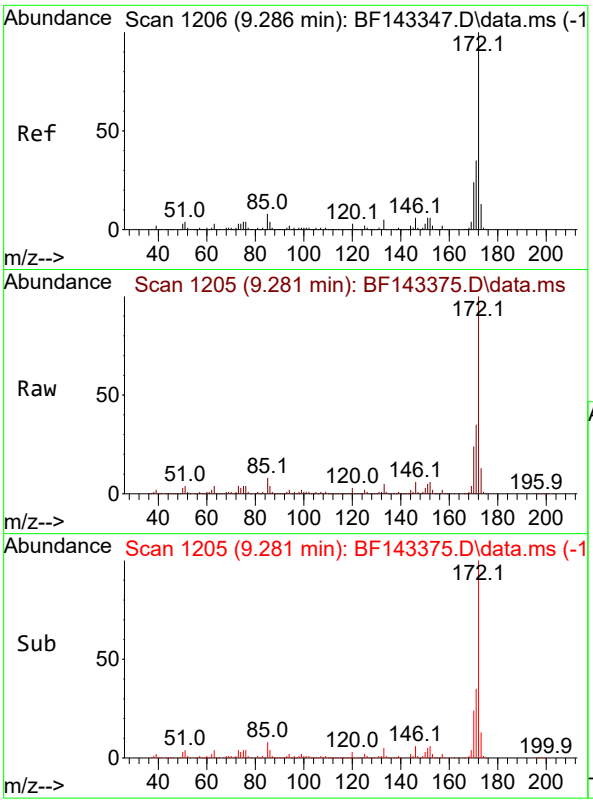


#44
2,4,5-Trichlorophenol
Concen: 34.139 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:196 Resp: 167691

Ion	Ratio	Lower	Upper
196	100		
198	93.3	75.4	113.2
97	49.1	39.9	59.9
132	27.7	22.6	33.8

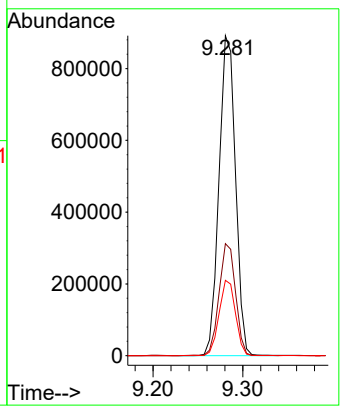




#45
2-Fluorobiphenyl
Concen: 68.852 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:172 Resp: 113749

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	23.6	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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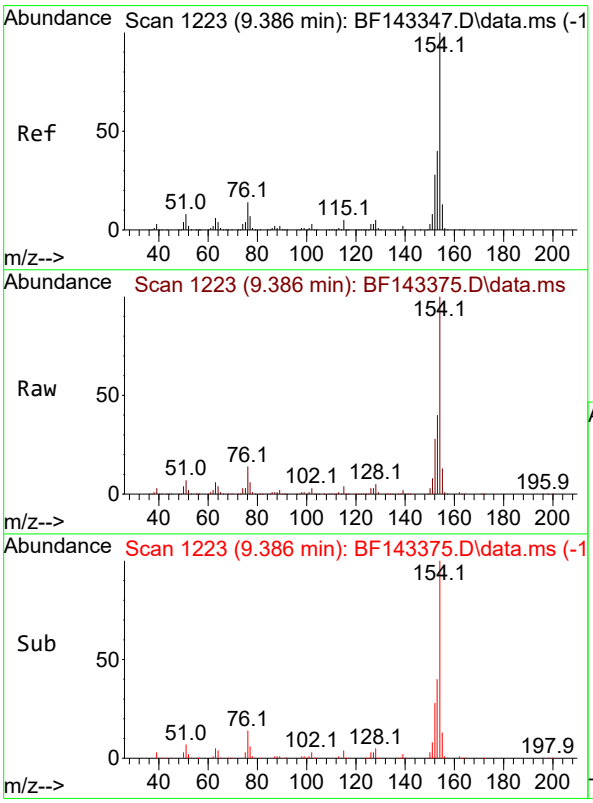
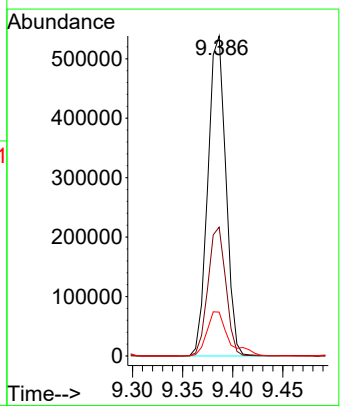
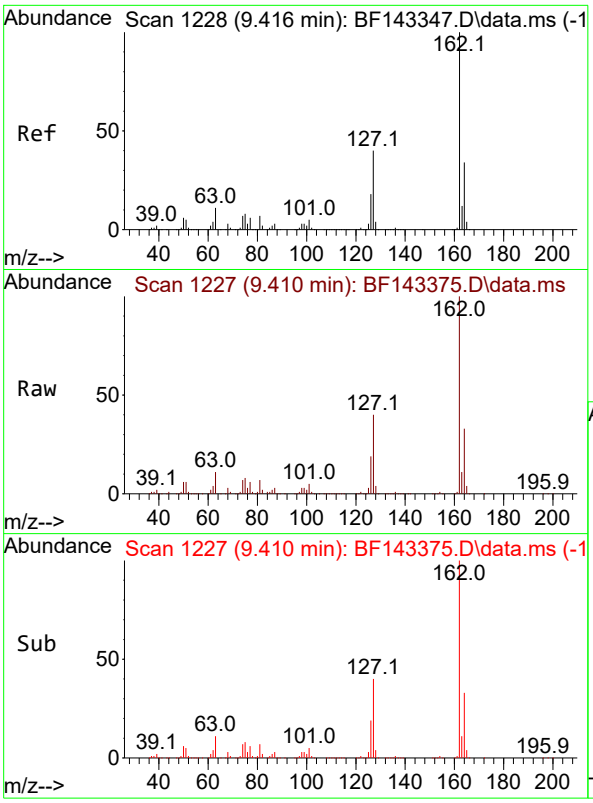


#46
1,1'-Biphenyl
Concen: 33.987 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:154 Resp: 673225

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	13.7	0.0	34.4

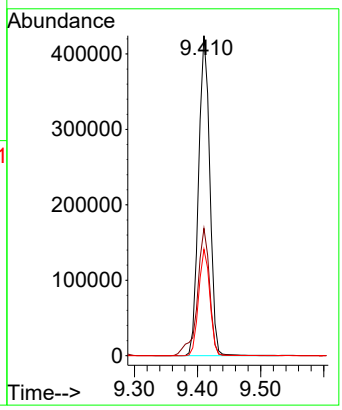




#47
2-Chloronaphthalene
Concen: 33.589 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:162 Resp: 52401

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.1	48.1
164	33.3	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
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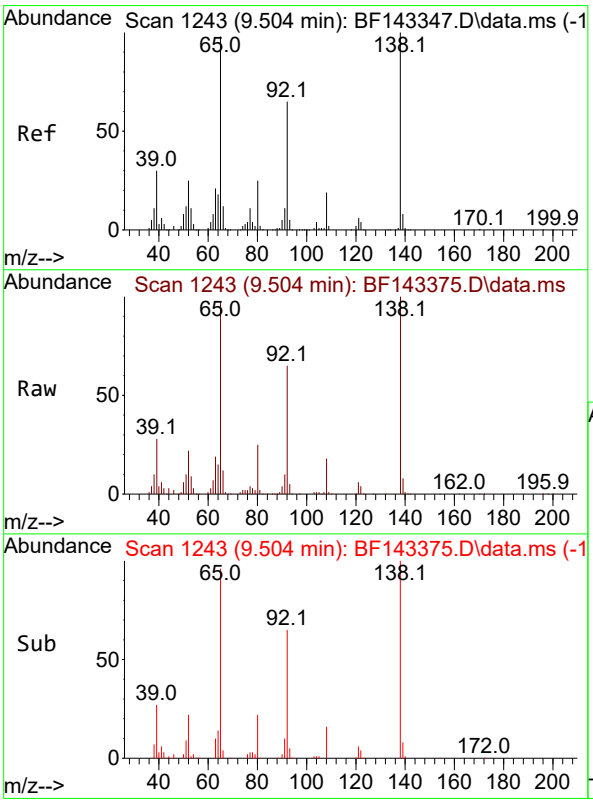
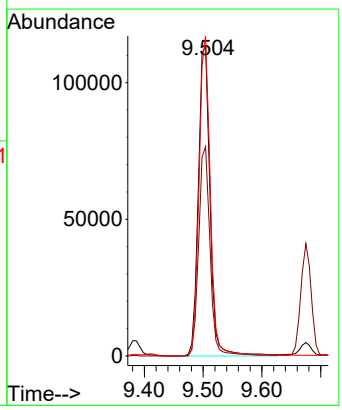
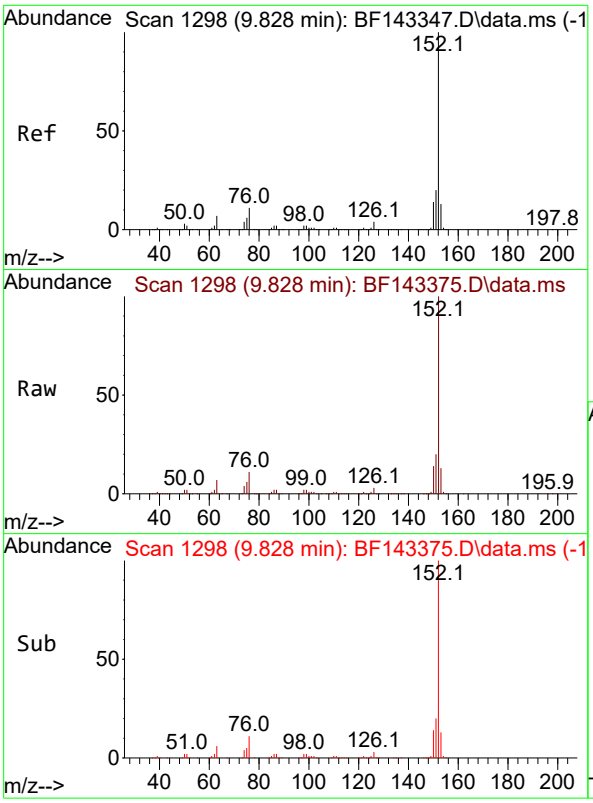


#48
2-Nitroaniline
Concen: 35.664 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 65 Resp: 157073

Ion	Ratio	Lower	Upper
65	100		
92	67.6	53.1	79.7
138	103.3	81.4	122.0

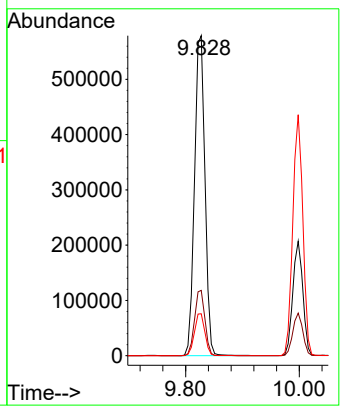




#49
Acenaphthylene
Concen: 33.079 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:152 Resp: 74524

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.1	10.6	16.0



Instrument :
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ClientSampleId :
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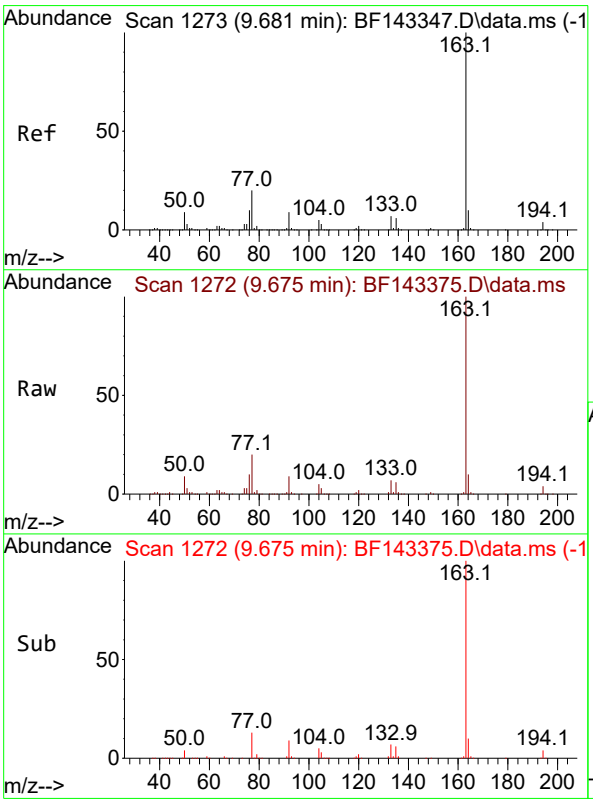
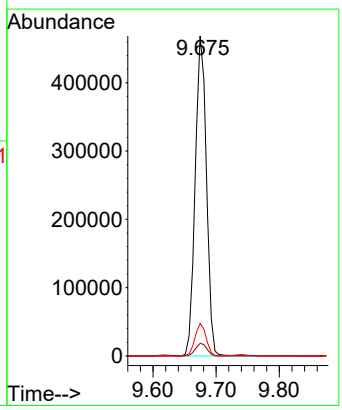
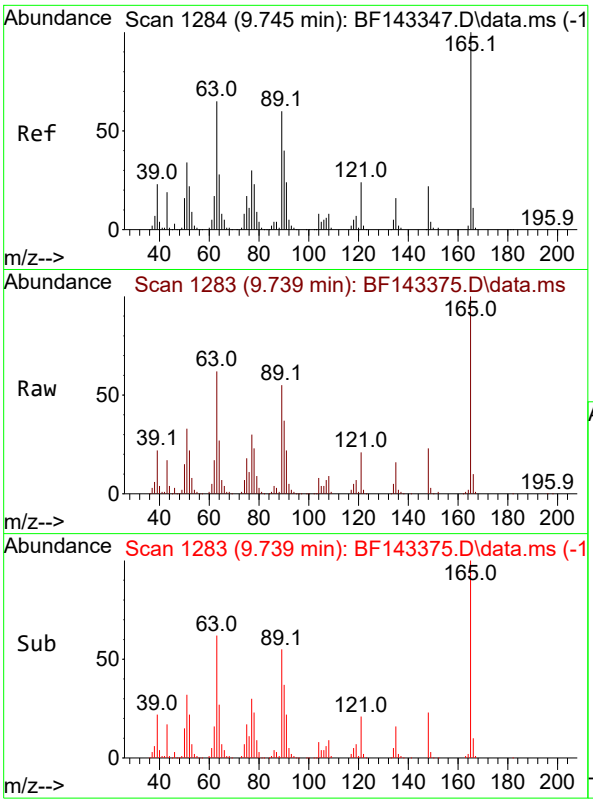


#50
Dimethylphthalate
Concen: 35.368 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:163 Resp: 578964

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 37.663 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:165 Resp: 11456

Ion	Ratio	Lower	Upper
165	100		
63	61.9	51.6	77.4
89	55.2	47.7	71.5

Instrument :
BNA_F
ClientSampleId :
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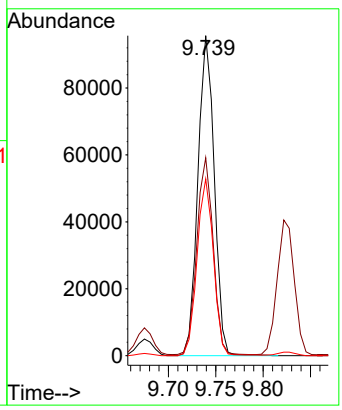
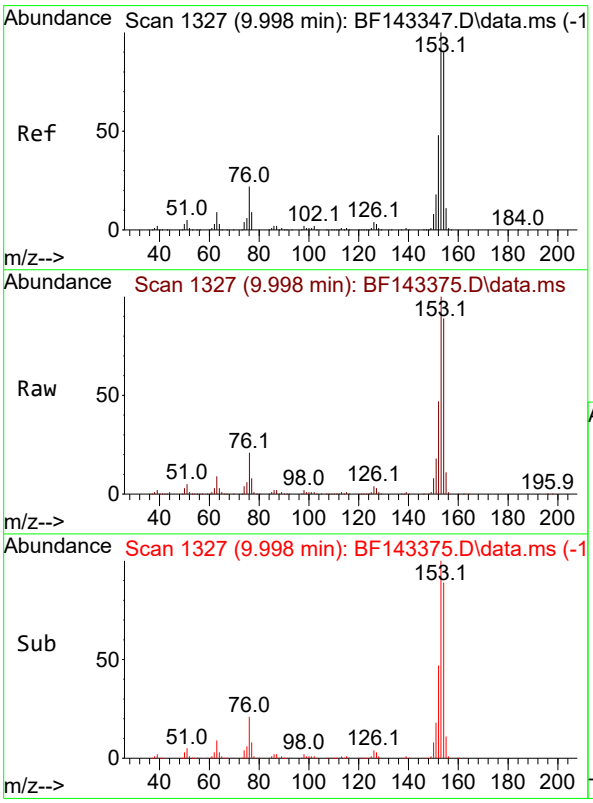
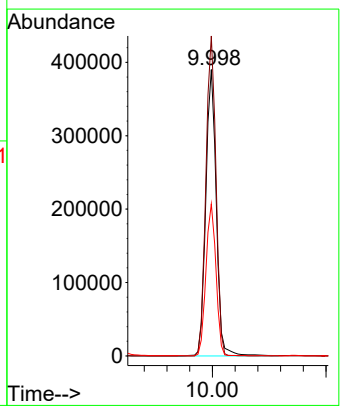


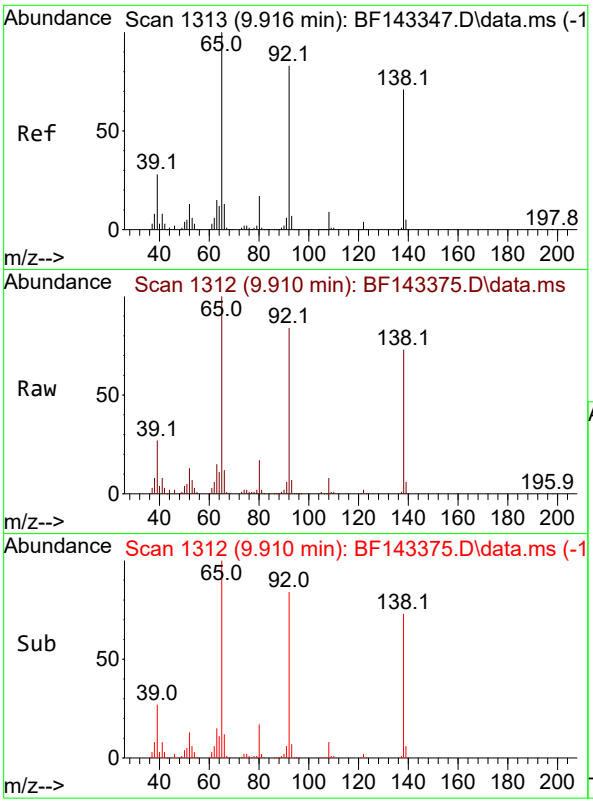


#52
Acenaphthene
Concen: 33.135 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:154 Resp: 496290

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.5	132.7
152	53.1	42.4	63.6

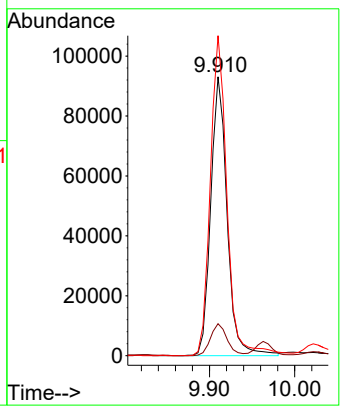




#53
3-Nitroaniline
Concen: 37.068 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:138 Resp: 12426

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.6	14.4
92	114.7	93.4	140.2



Instrument :
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ClientSampleId :
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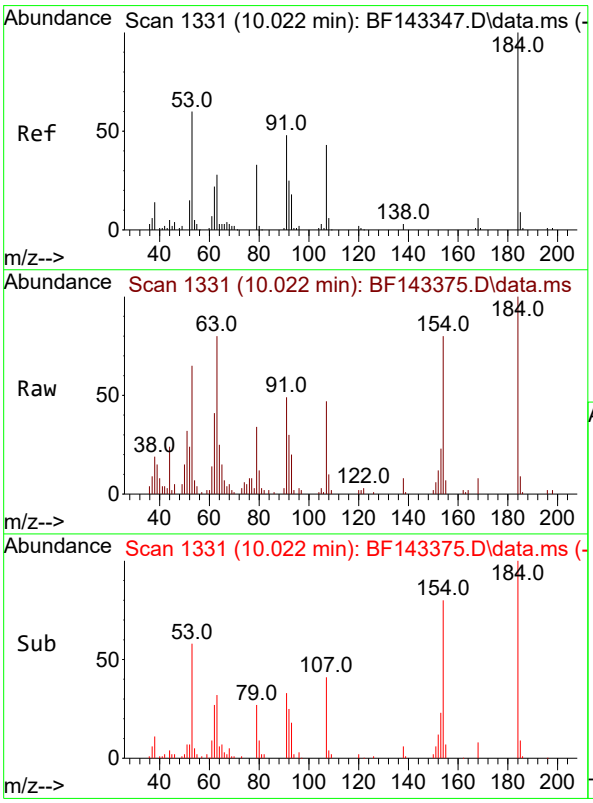
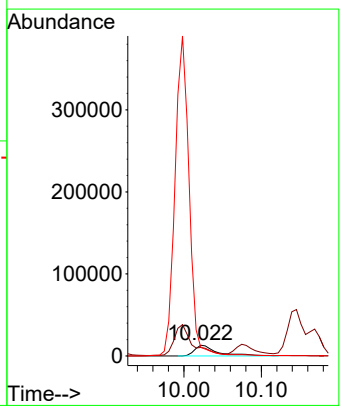
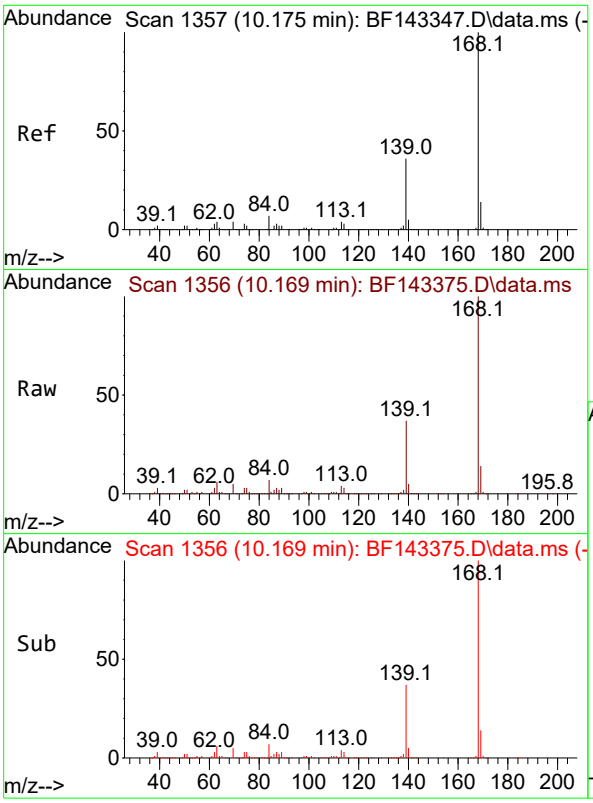


#54
2,4-Dinitrophenol
Concen: 31.747 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:184 Resp: 26990

Ion	Ratio	Lower	Upper
184	100		
63	80.0	62.5	93.7
154	80.1	73.0	109.4





#55
Dibenzofuran
Concen: 32.990 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 71115

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.4	44.0
169	13.6	11.0	16.6

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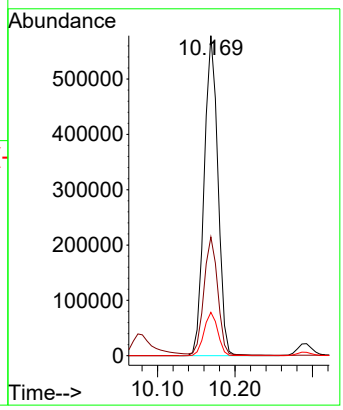
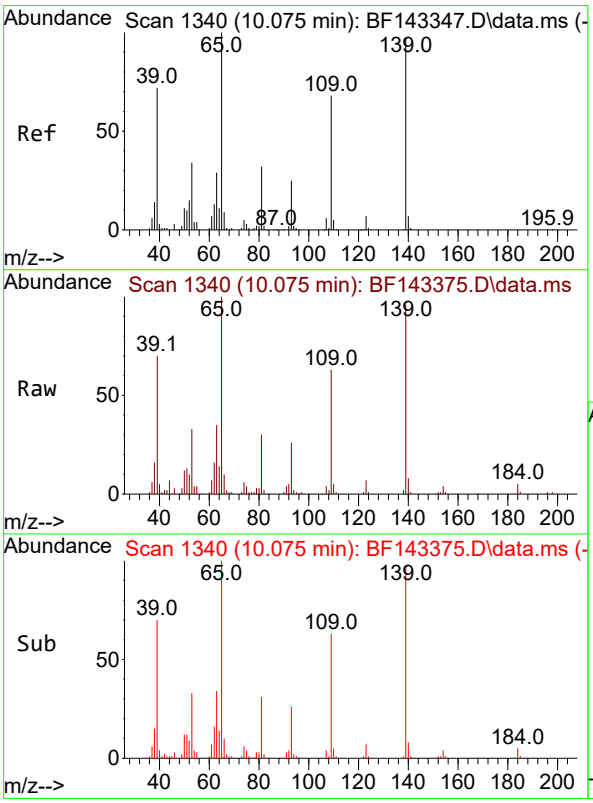
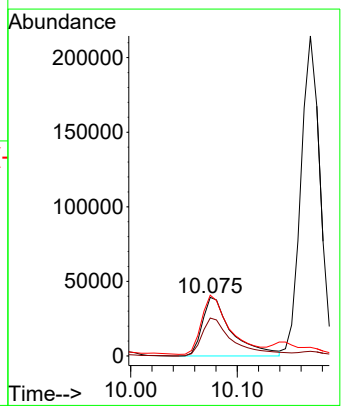


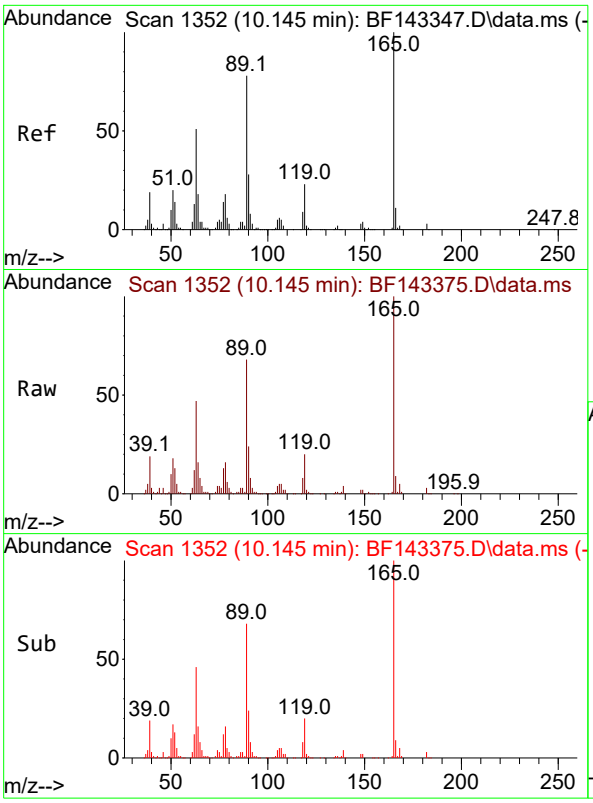


#56
4-Nitrophenol
Concen: 31.741 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:139 Resp: 75539

Ion	Ratio	Lower	Upper
139	100		
109	64.9	49.4	89.4
65	103.8	83.7	123.7

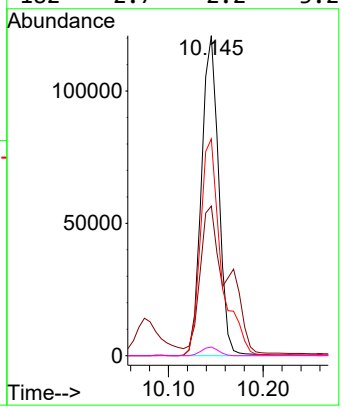




#57
2,4-Dinitrotoluene
Concen: 37.646 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:165 Resp: 15189

Ion	Ratio	Lower	Upper
165	100		
63	46.8	41.8	62.8
89	67.7	62.4	93.6
182	2.7	2.2	3.2



Instrument :
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ClientSampleId :
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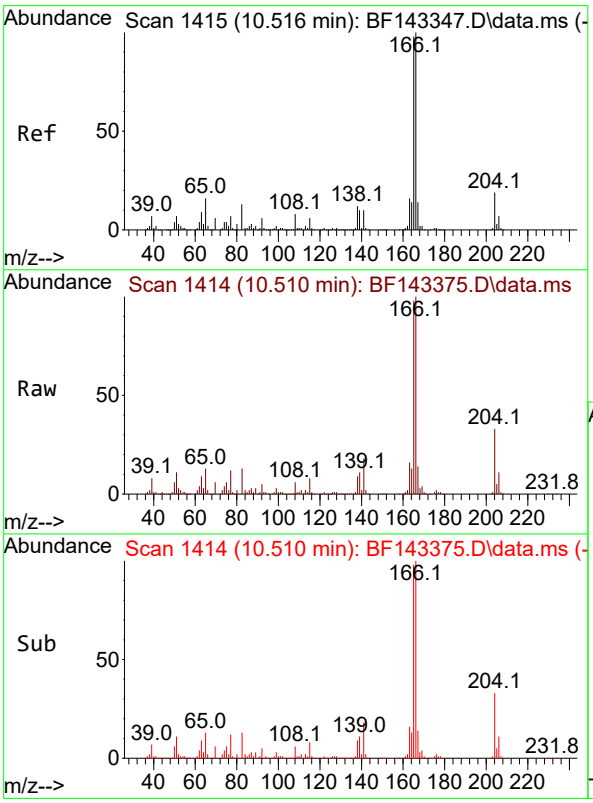
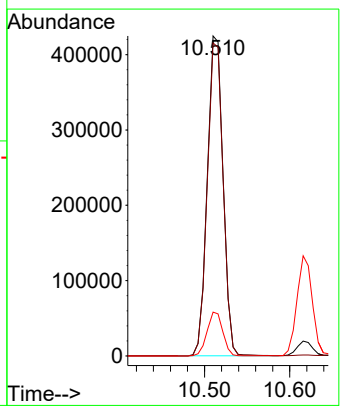
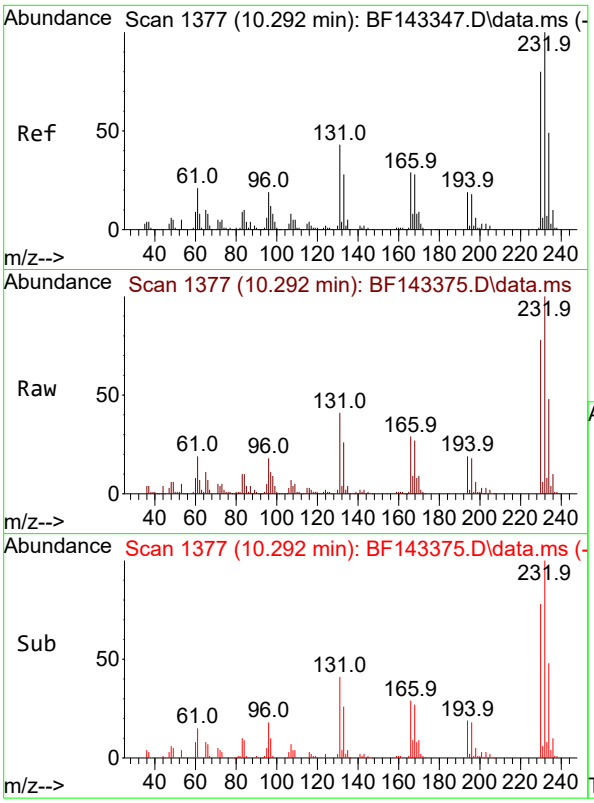


#58
Fluorene
Concen: 33.121 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:166 Resp: 545337

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.7	10.9	16.3

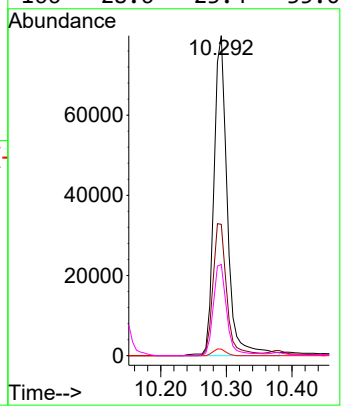




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.306 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:232 Resp: 11359

Ion	Ratio	Lower	Upper
232	100		
131	42.3	34.6	51.8
130	2.0	1.7	2.5
166	28.6	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
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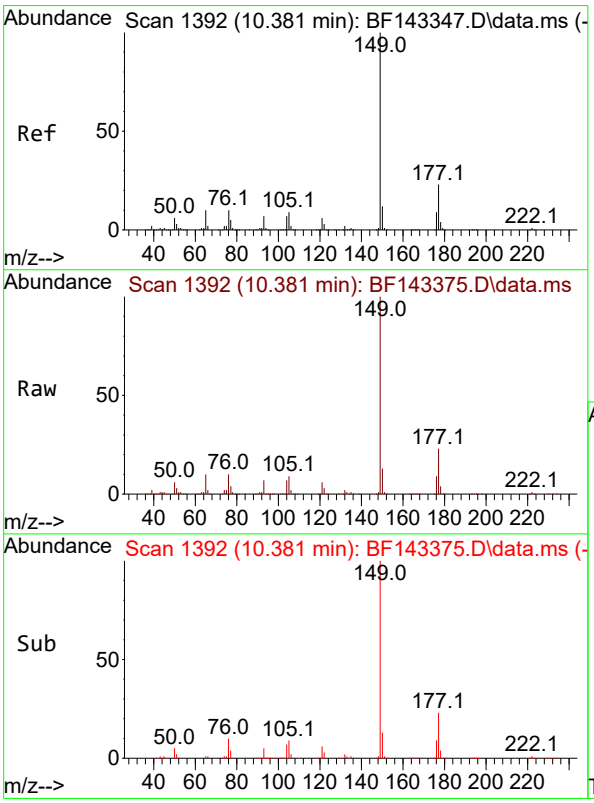
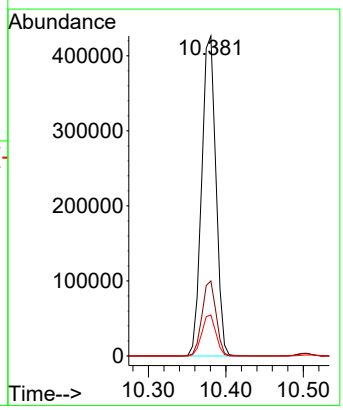
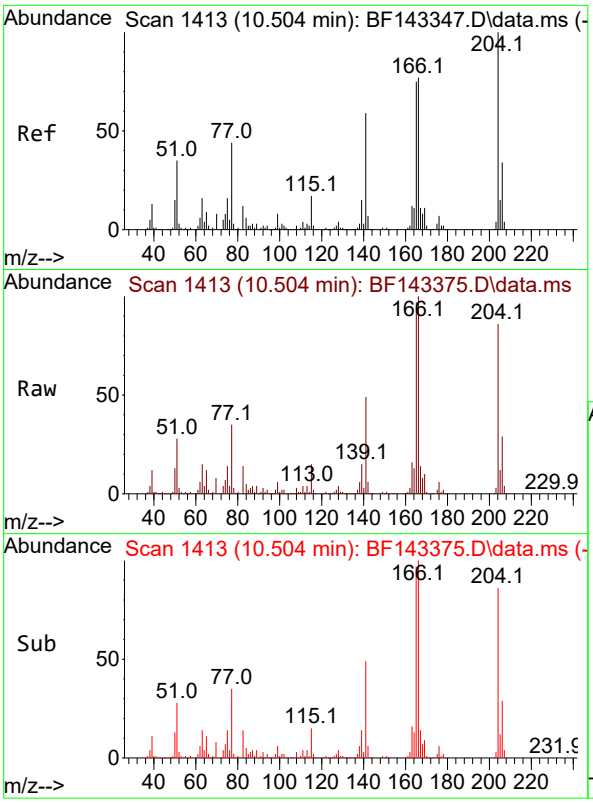


#60
Diethylphthalate
Concen: 37.021 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 542830

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.8	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 34.812 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:204 Resp: 27695

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.4	41.2
141	57.3	46.9	70.3

Instrument :
BNA_F
ClientSampleId :
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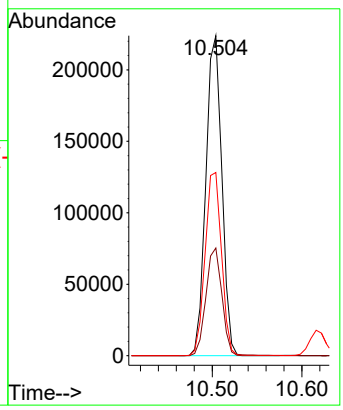
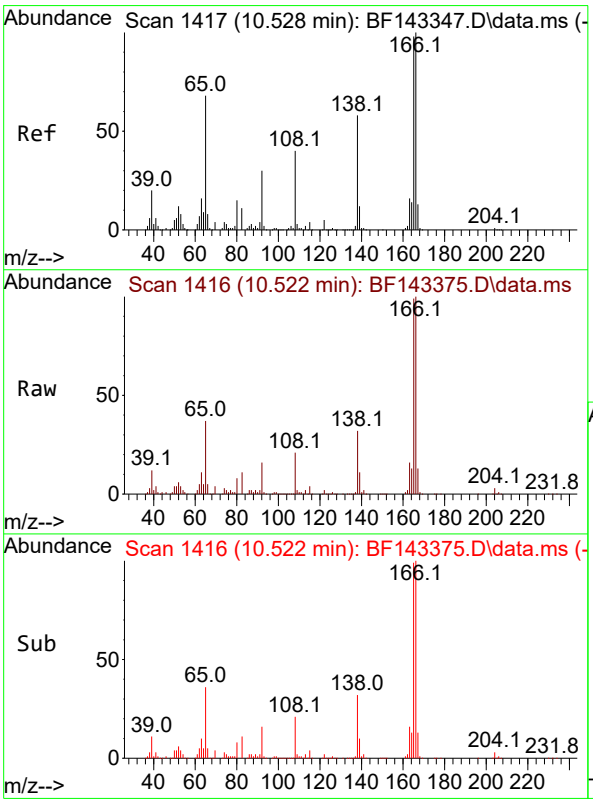
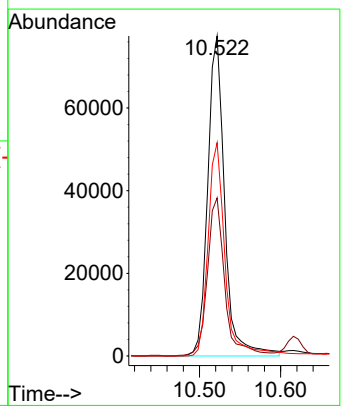


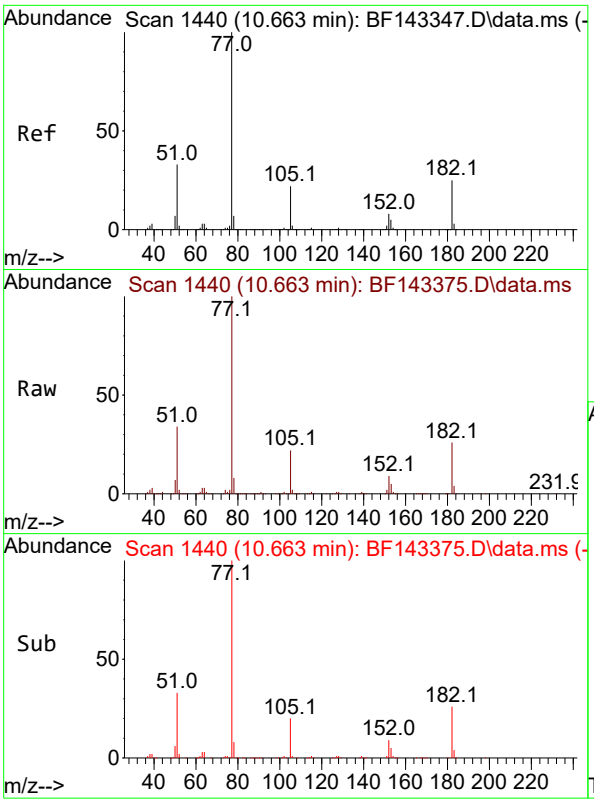


#62
4-Nitroaniline
Concen: 34.507 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:138 Resp: 111923

Ion	Ratio	Lower	Upper
138	100		
92	49.4	31.2	71.2
108	66.7	48.1	88.1

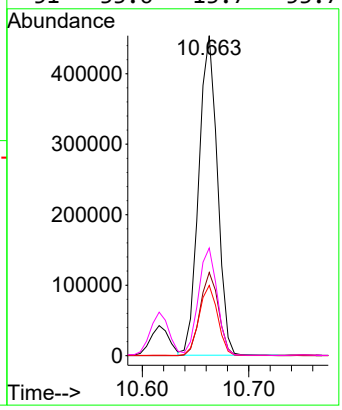




#63
Azobenzene
Concen: 32.926 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 77 Resp: 55145

Ion	Ratio	Lower	Upper
77	100		
182	26.0	4.4	44.4
105	22.0	1.8	41.8
51	33.6	13.7	53.7



Instrument :
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ClientSampleId :
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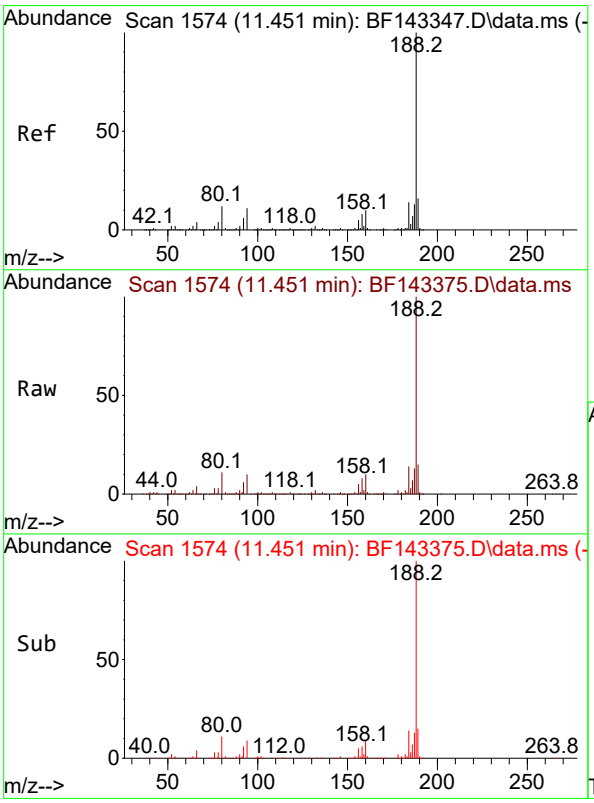
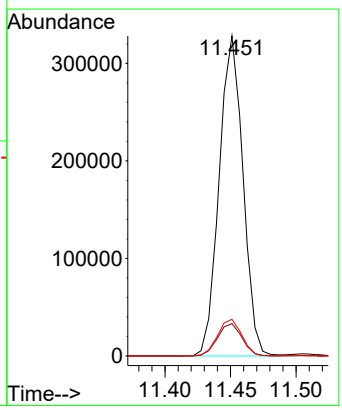
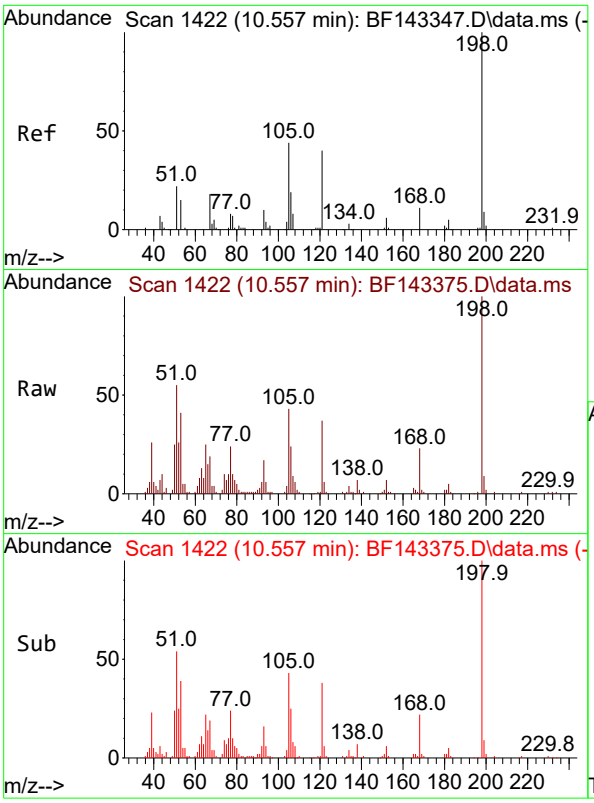


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:188 Resp: 414161

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.8	13.2
80	11.5	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 33.493 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 5178

Ion	Ratio	Lower	Upper
198	100		
51	54.7	41.7	81.7
105	43.1	26.8	66.8

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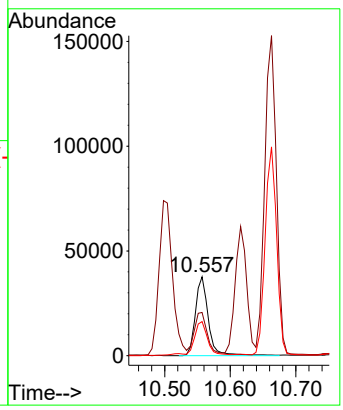
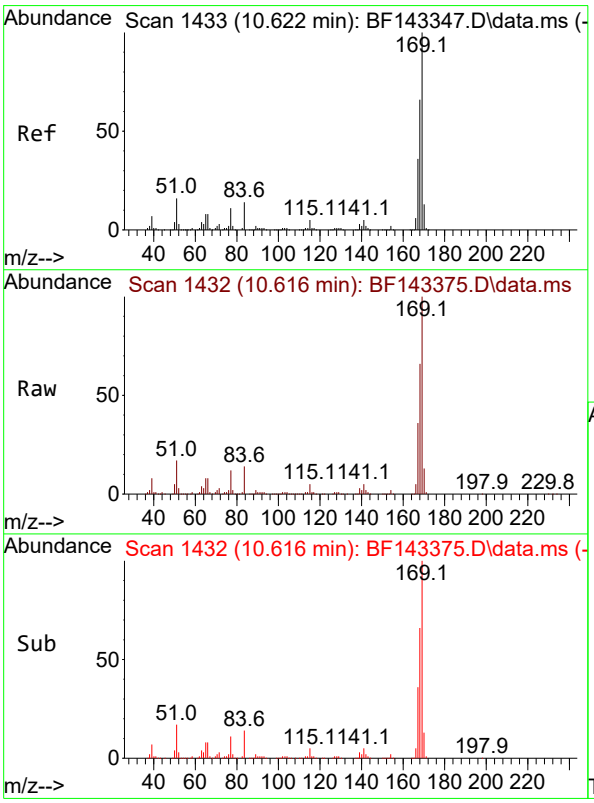
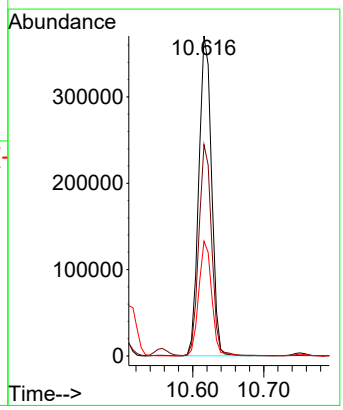


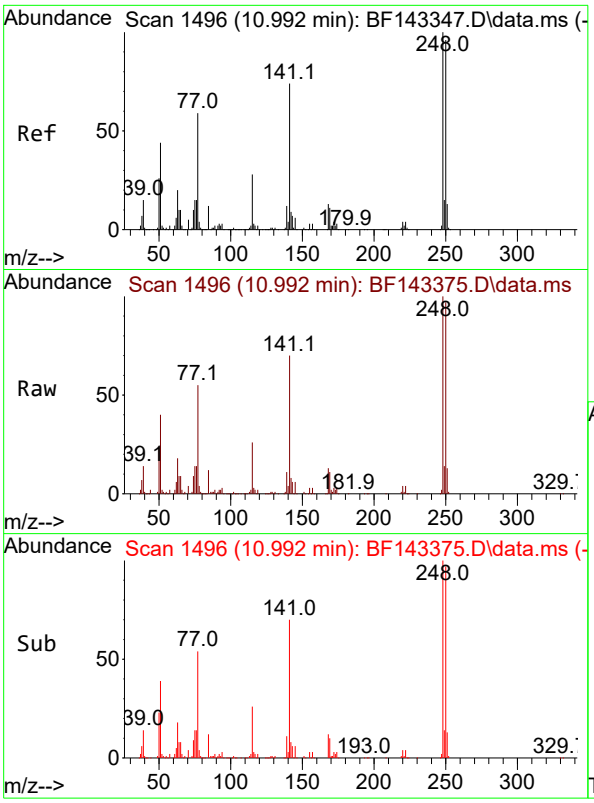


#66
n-Nitrosodiphenylamine
Concen: 33.956 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:169 Resp: 463067

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	35.9	28.6	42.8





#67
4-Bromophenyl-phenylether
Concen: 35.507 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:248 Resp: 16818

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.1	115.7
141	69.7	59.1	88.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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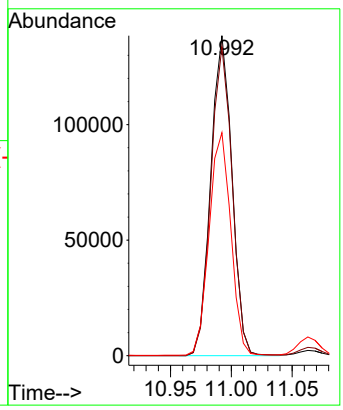
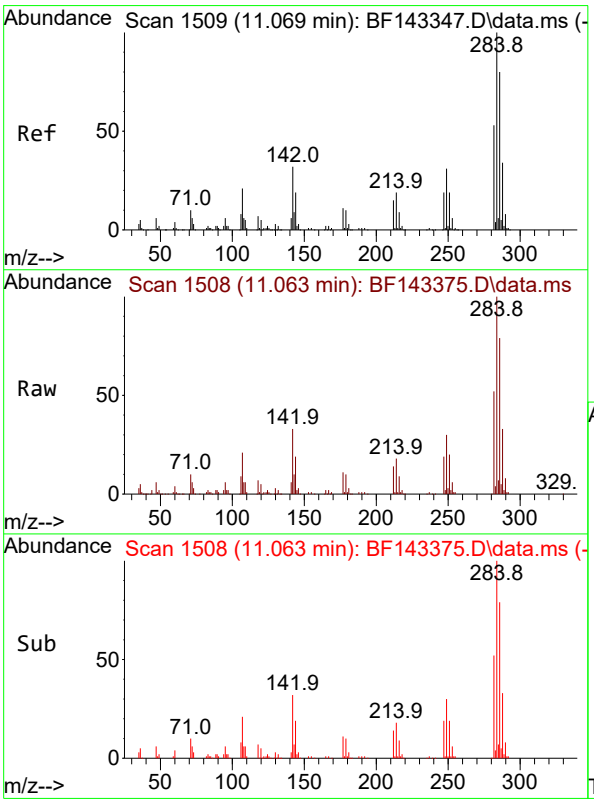
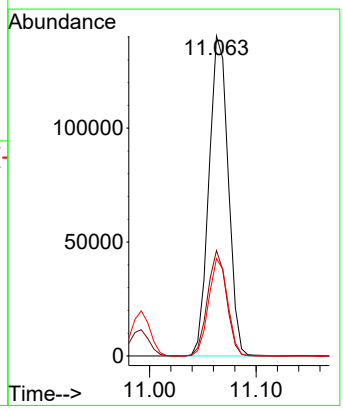


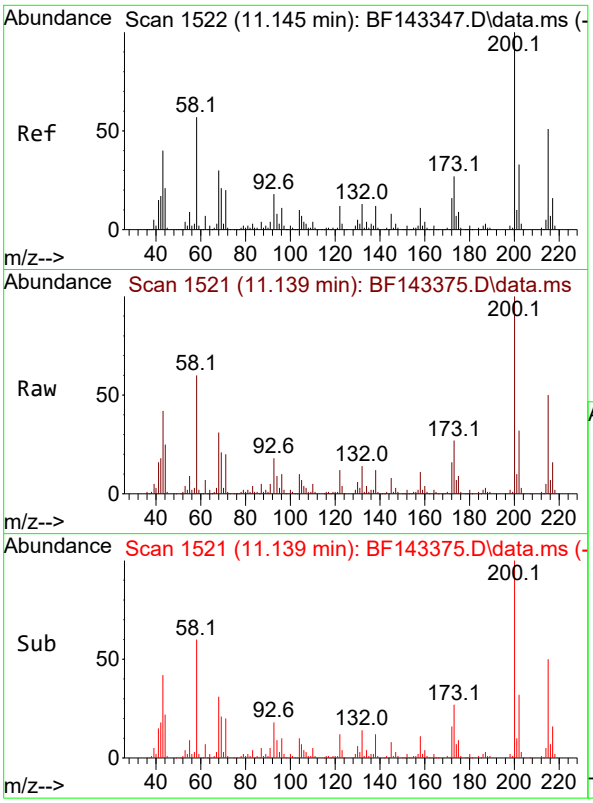


#68
Hexachlorobenzene
Concen: 34.499 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:284 Resp: 176143

Ion	Ratio	Lower	Upper
284	100		
142	33.0	25.7	38.5
249	30.4	24.6	37.0

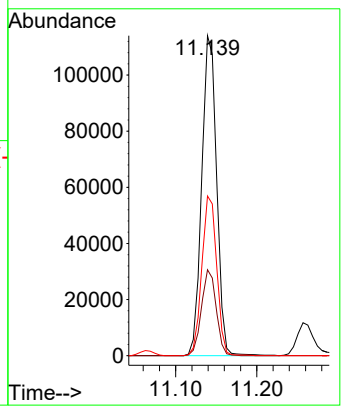




#69
Atrazine
Concen: 40.822 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:200 Resp: 14520

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.6	46.6
215	49.9	30.6	70.6



Instrument :
BNA_F
ClientSampleId :
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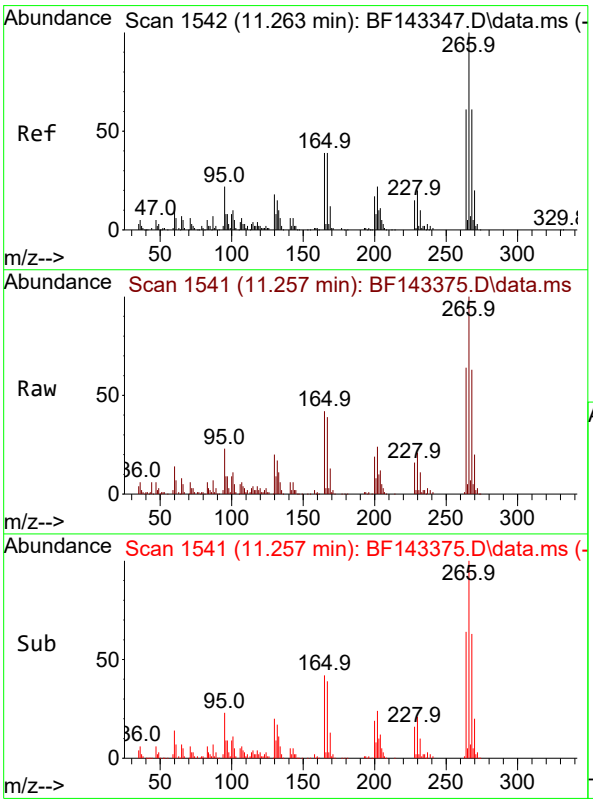
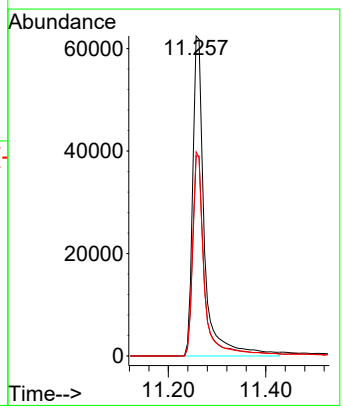
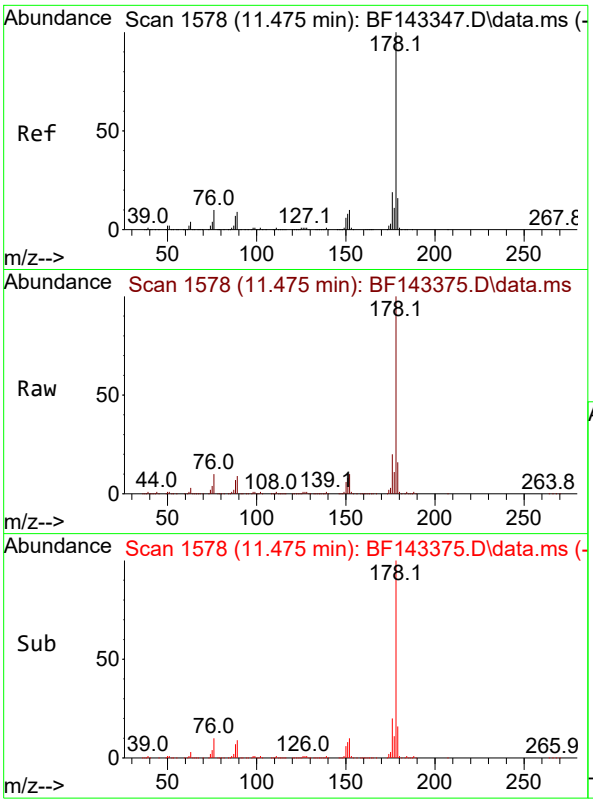


#70
Pentachlorophenol
Concen: 45.062 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:266 Resp: 105636

Ion	Ratio	Lower	Upper
266	100		
268	62.5	48.8	73.2
264	63.8	48.8	73.2

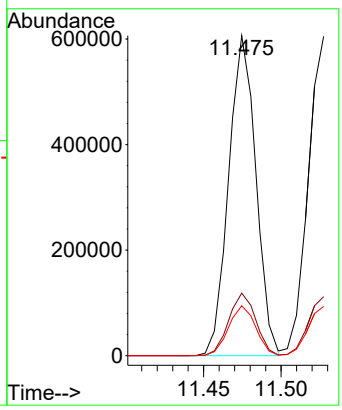




#71
Phenanthrene
Concen: 32.777 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:178 Resp: 74064

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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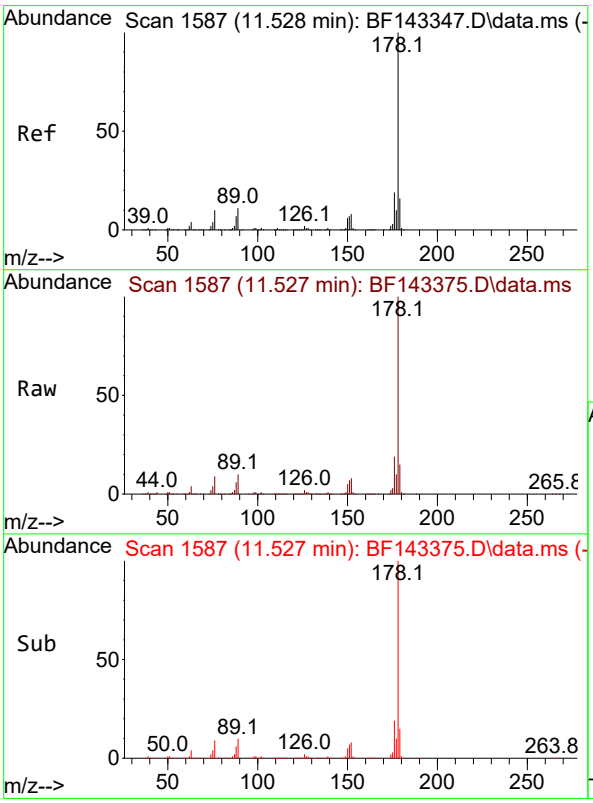
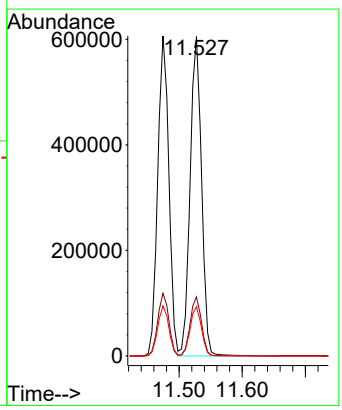
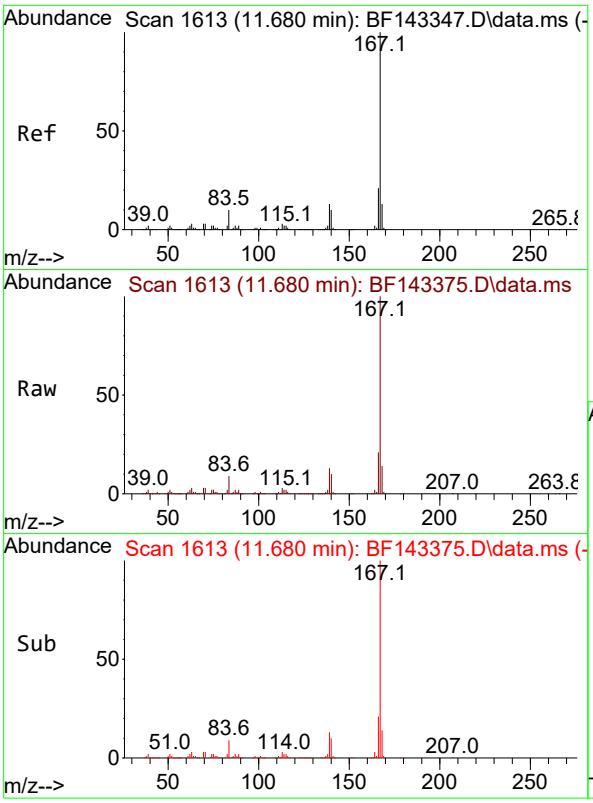


#72
Anthracene
Concen: 33.161 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:178 Resp: 759937

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.5	12.7	19.1





#73
Carbazole
Concen: 32.752 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:167 Resp: 63921

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.6	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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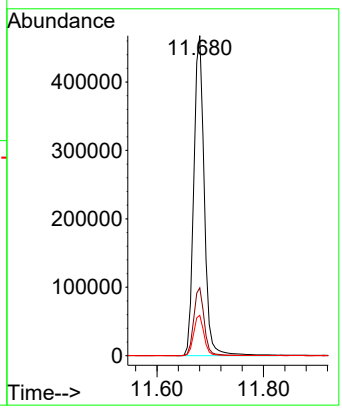
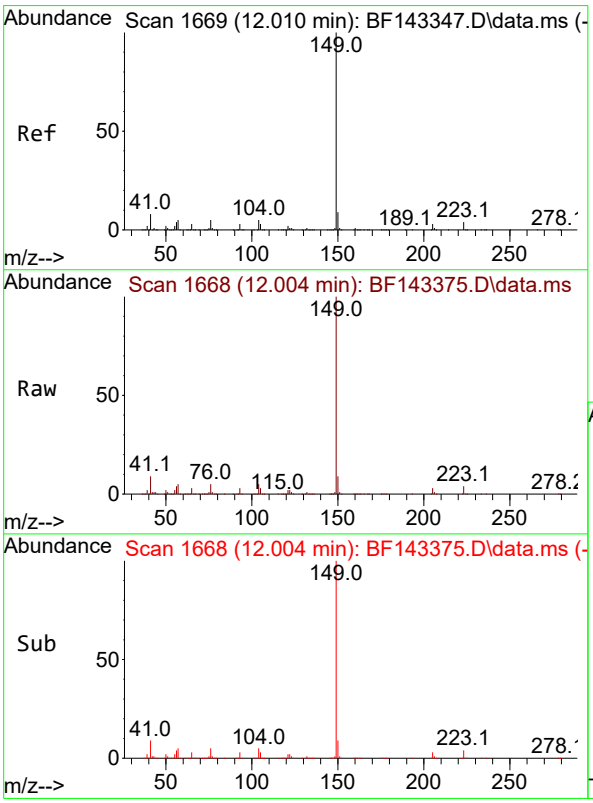
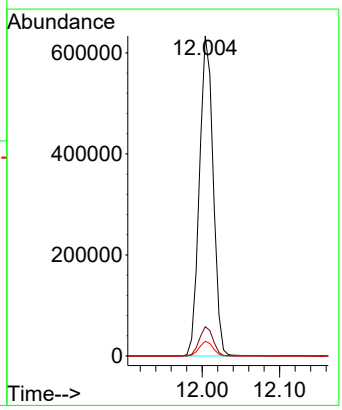


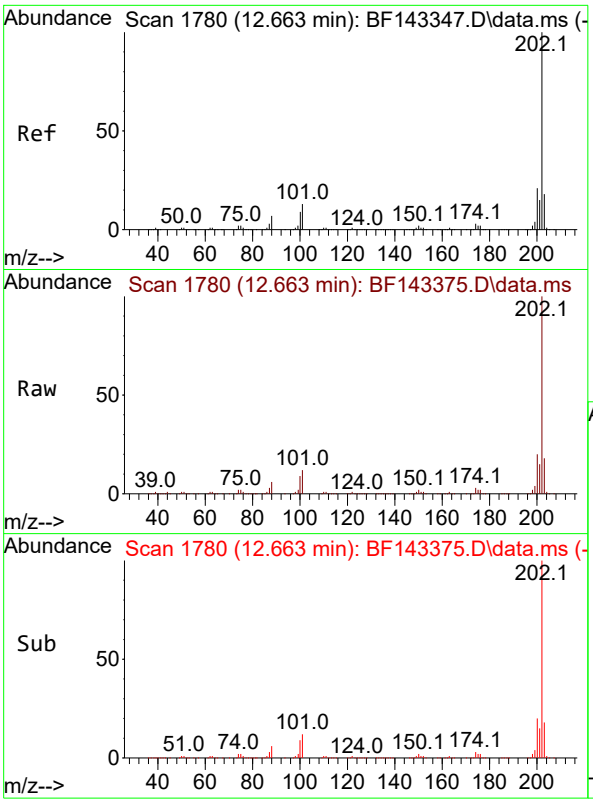


#74
Di-n-butylphthalate
Concen: 47.381 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 782503

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.6	3.8	5.8





#75
Fluoranthene
Concen: 35.311 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 69892

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.5	0.0	37.6

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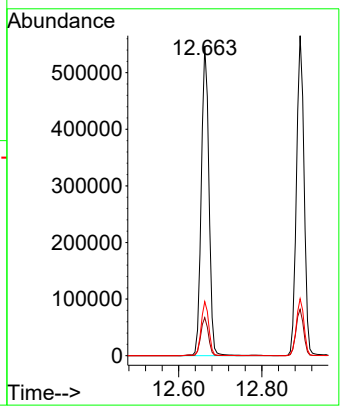
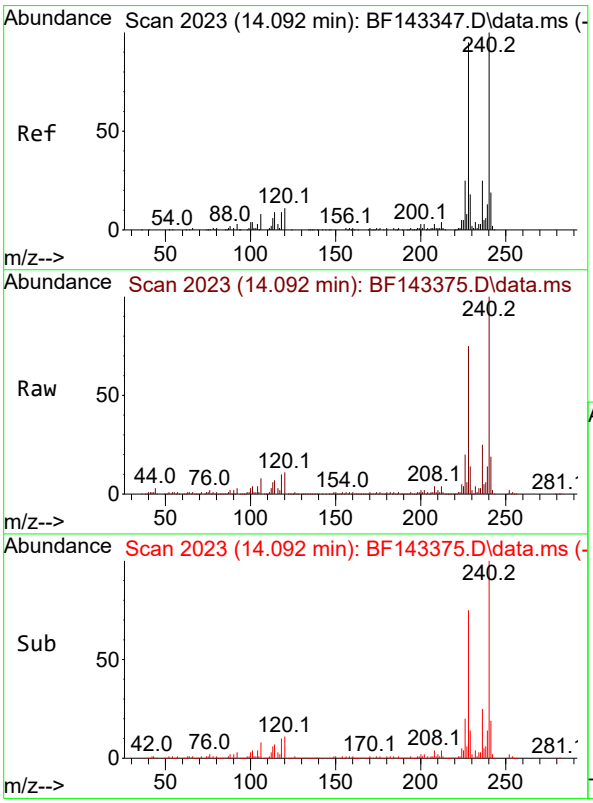
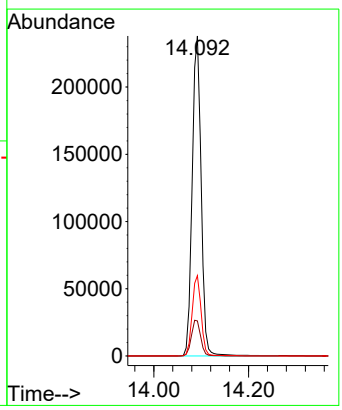


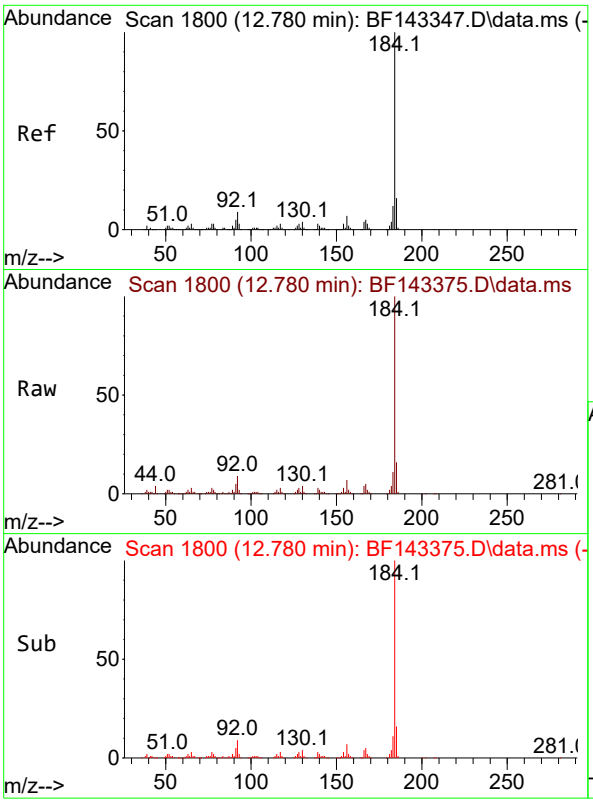


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:240 Resp: 311692

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.1	19.9	29.9

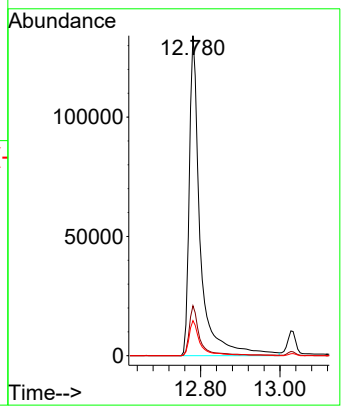




#77
Benzidine
Concen: 30.486 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:184 Resp: 25978

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.8	19.2
183	10.9	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
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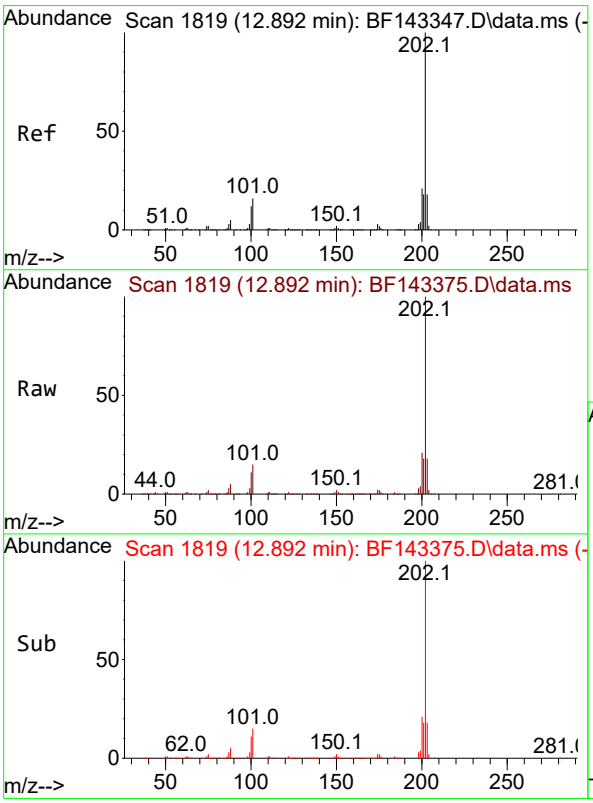
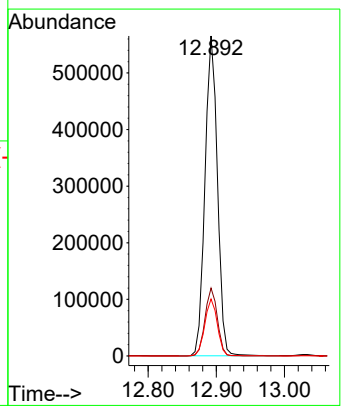
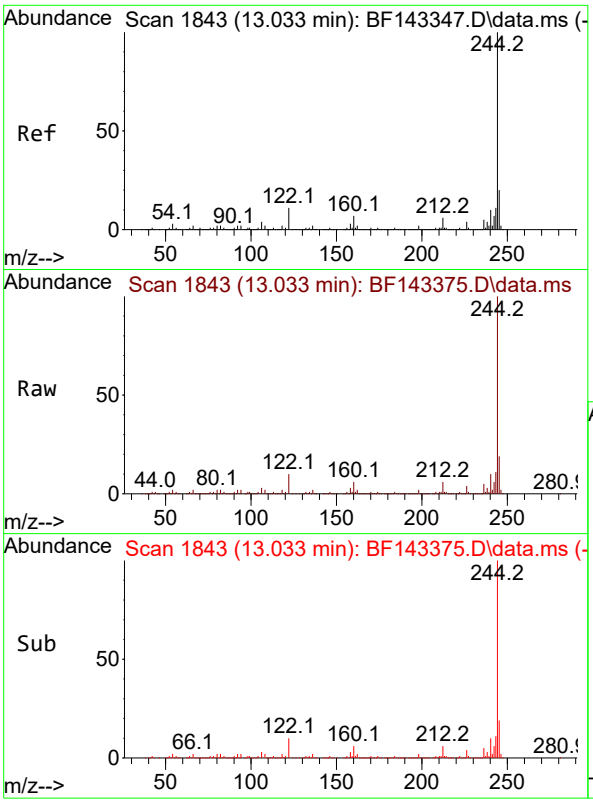


#78
Pyrene
Concen: 27.393 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:202 Resp: 716275

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.8	14.2	21.4

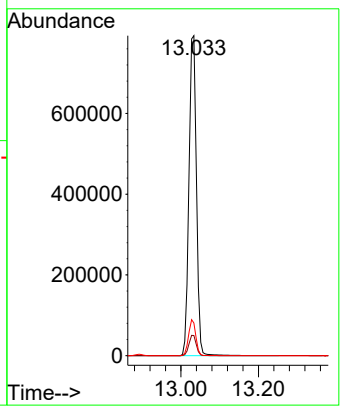




#79
Terphenyl-d14
Concen: 60.724 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:244 Resp: 106014

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	10.2	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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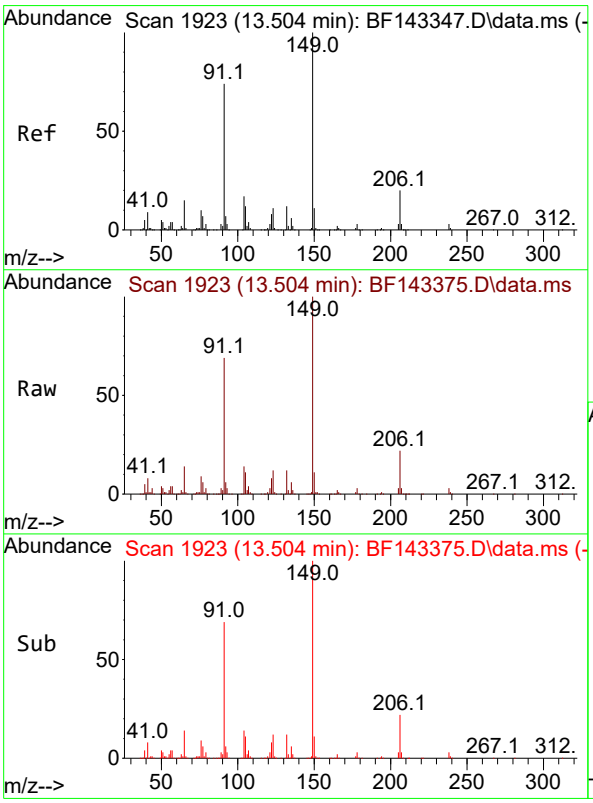
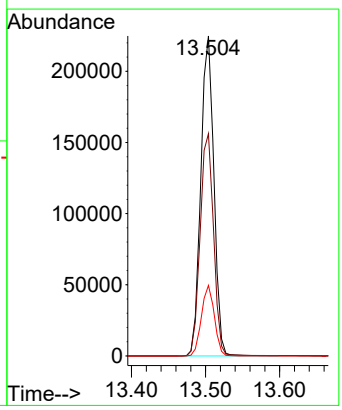
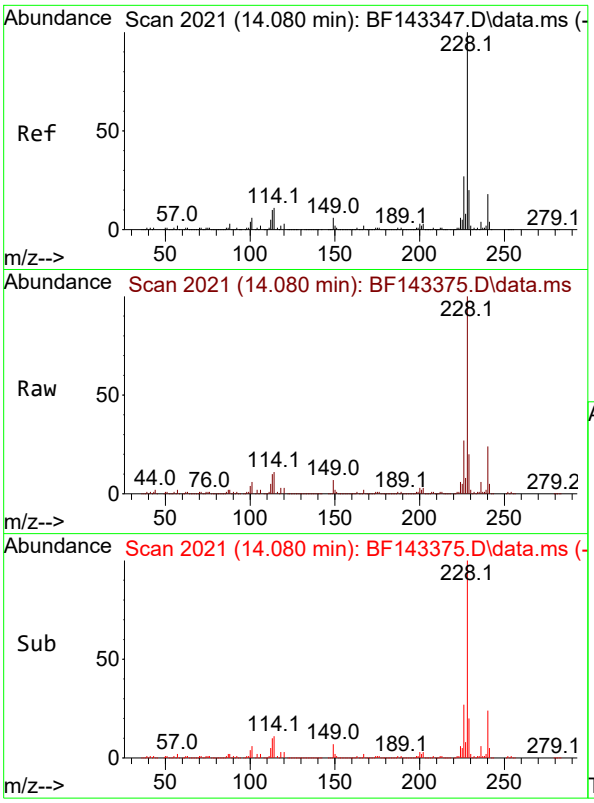


#80
Butylbenzylphthalate
Concen: 53.064 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 276153

Ion	Ratio	Lower	Upper
149	100		
91	69.4	58.8	88.2
206	22.1	16.4	24.6

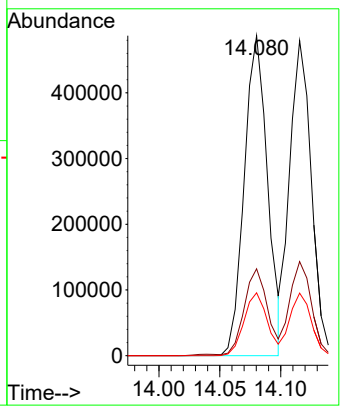




#81
Benzo(a)anthracene
Concen: 32.789 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:228 Resp: 64957

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.6	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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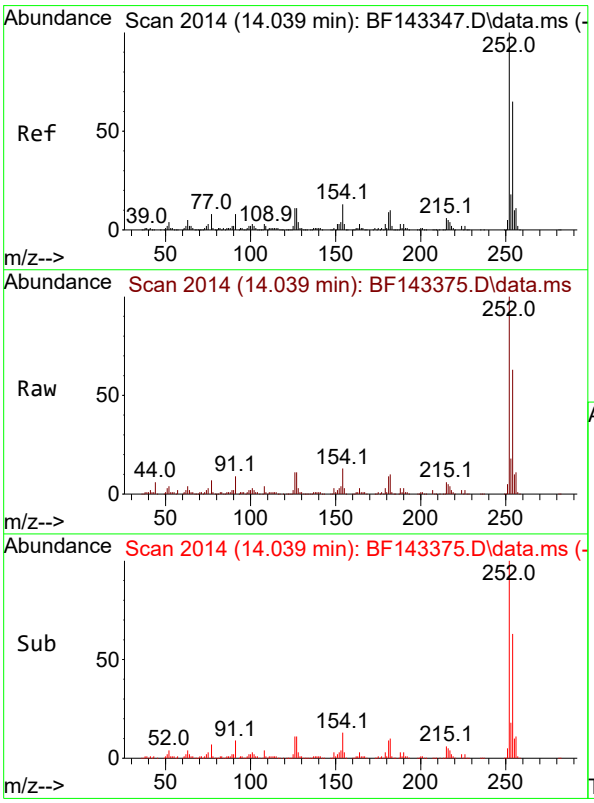
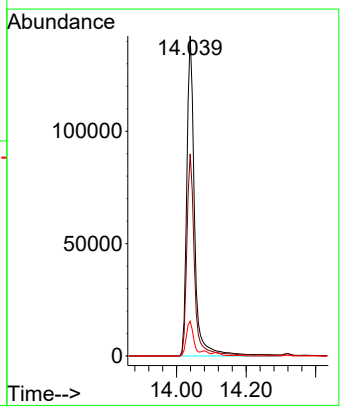
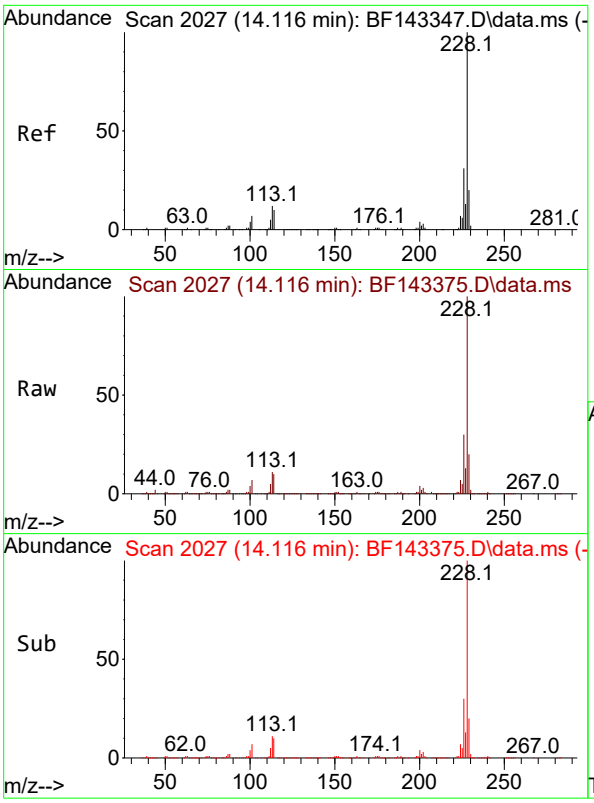


#82
3,3'-Dichlorobenzidine
Concen: 41.046 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 219574

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.7	77.5
126	10.9	9.2	13.8

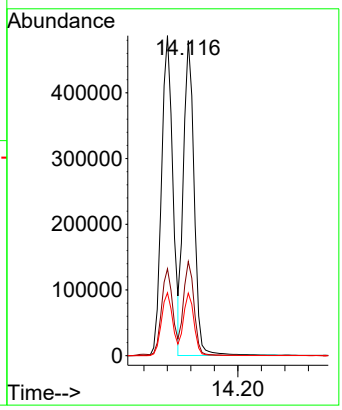




#83
Chrysene
Concen: 32.851 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:228 Resp: 60685

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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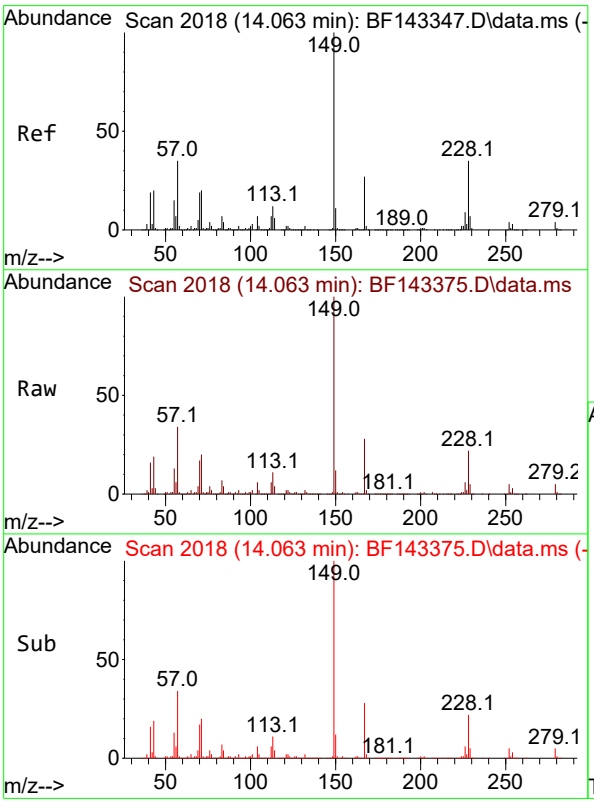
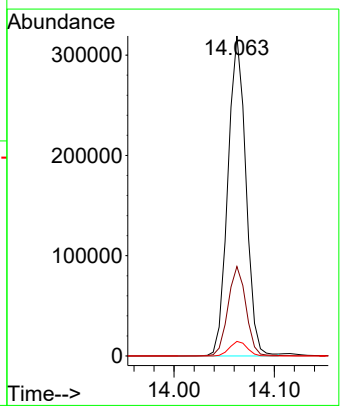
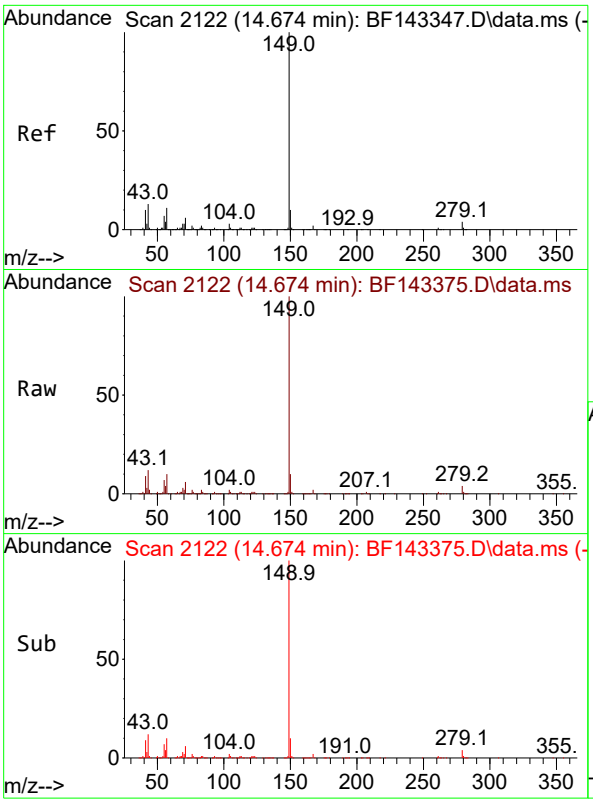


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.051 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 398390

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.5	3.2	4.8

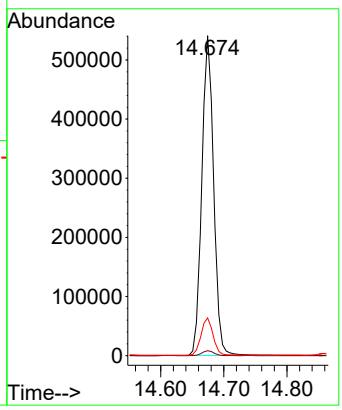




#85
Di-n-octyl phthalate
Concen: 46.796 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 70550

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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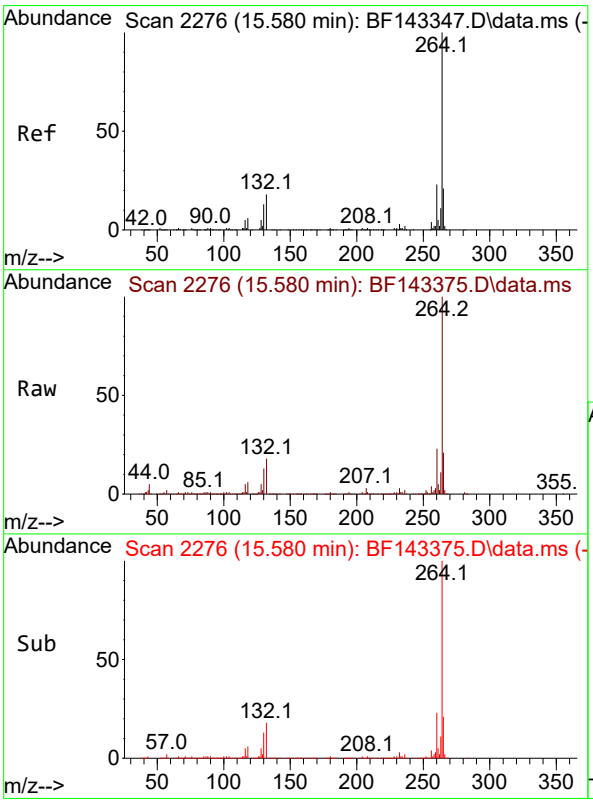
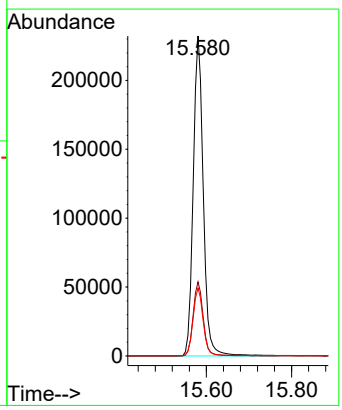
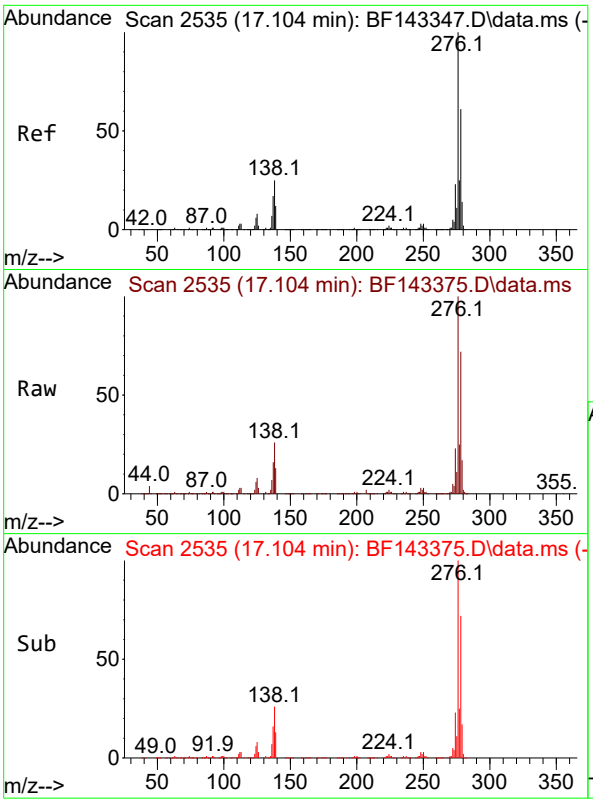


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:264 Resp: 380743

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	17.2	25.8

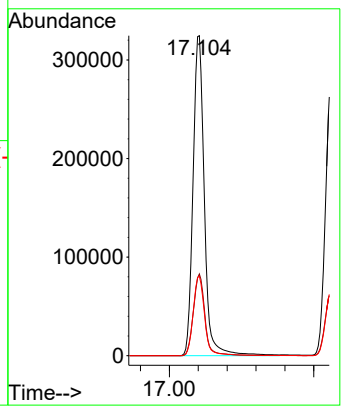




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.320 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:276 Resp: 88160

Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.1	31.7
277	25.1	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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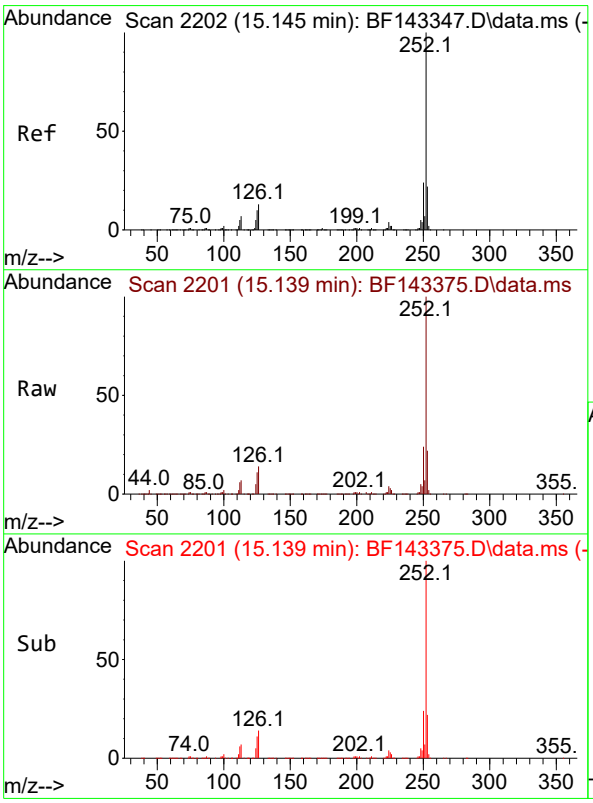
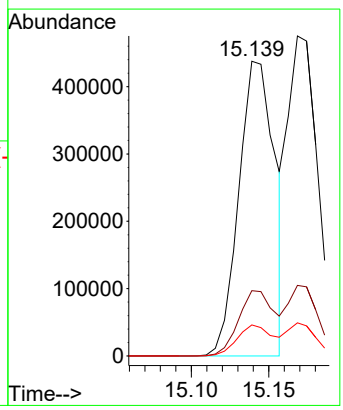
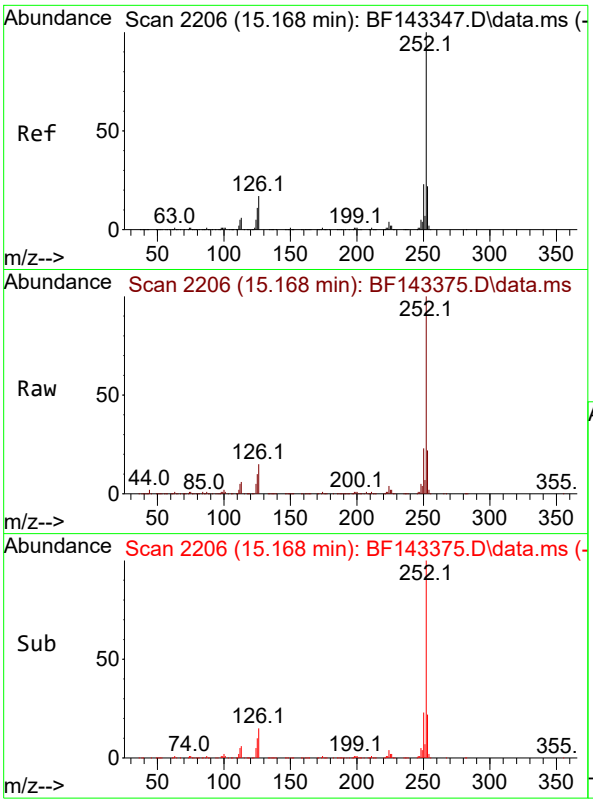


#88
Benzo(b)fluoranthene
Concen: 34.034 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 708748

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.5	7.8	11.6

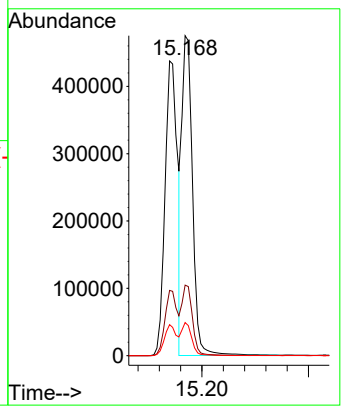




#89
Benzo(k)fluoranthene
Concen: 32.696 ng
RT: 15.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 66161

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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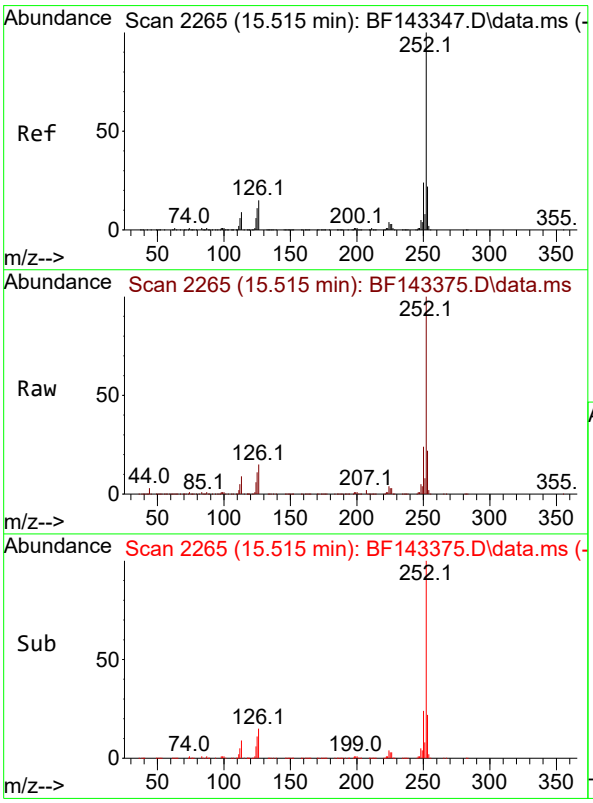
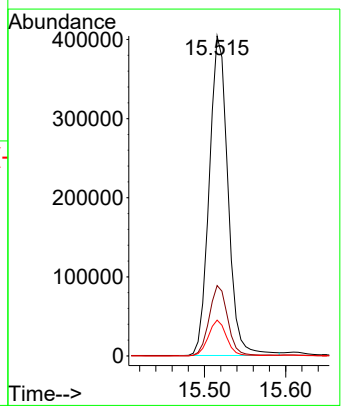
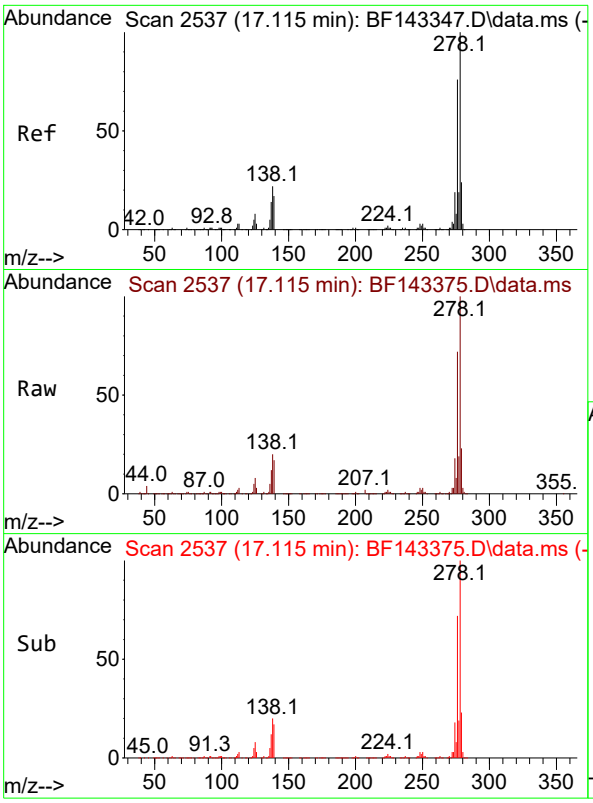


#90
Benzo(a)pyrene
Concen: 32.951 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 646299

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.2	9.1	13.7

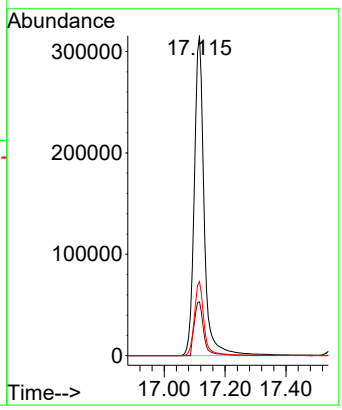




#91
Dibenzo(a,h)anthracene
Concen: 32.740 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:278 Resp: 71348

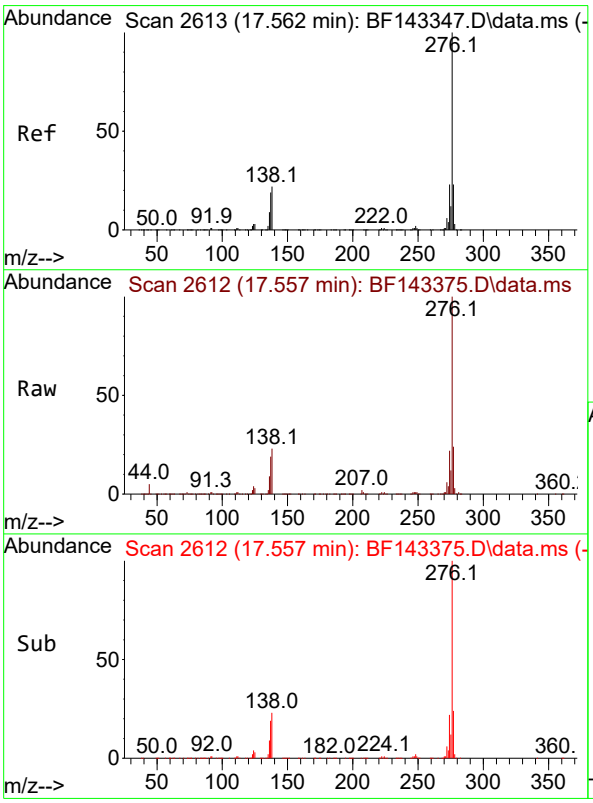
Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.0	21.0
279	23.1	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

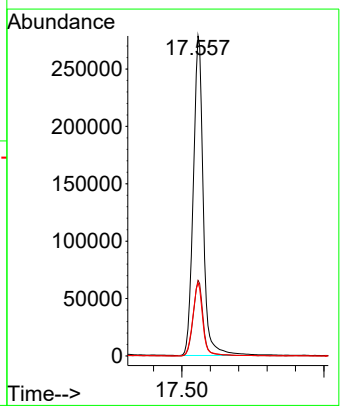
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 30.998 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:276 Resp: 680499

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.8	17.8	26.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
2		1,4-Dioxane	0.598	0.476	20.4	68	-0.04
3		Pyridine	1.595	1.283	19.6	68	-0.02
4		n-Nitrosodimethylamine	0.743	0.587	21.0	66	-0.04
5	S	2-Fluorophenol	1.157	0.981	15.2	71	0.00
6		Aniline	2.091	1.640	21.6	66	0.00
7	S	Phenol-d6	1.483	1.176	20.7	67	0.00
8		2-Chlorophenol	1.236	1.060	14.2	71	0.00
9		Benzaldehyde	0.980	0.776	20.8	65	0.00
10	C	Phenol	1.757	1.393	20.7#	66	0.00
11		bis(2-Chloroethyl)ether	1.295	1.073	17.1	70	0.00
12		1,3-Dichlorobenzene	1.425	1.184	16.9	70	0.00
13	C	1,4-Dichlorobenzene	1.431	1.183	17.3	71	0.00
14		1,2-Dichlorobenzene	1.358	1.129	16.9	71	0.00
15		Benzyl Alcohol	1.063	0.883	16.9	69	0.00
16		2,2'-oxybis(1-Chloropropane	2.312	1.942	16.0	71	0.00
17		2-Methylphenol	1.043	0.836	19.8	67	0.00
18		Hexachloroethane	0.449	0.413	8.0	76	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.738	19.4	69	0.00
20		3+4-Methylphenols	1.262	1.026	18.7	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	81	0.00
22		Acetophenone	0.441	0.360	18.4	68	0.00
23	S	Nitrobenzene-d5	0.321	0.286	10.9	69	0.00
24		Nitrobenzene	0.349	0.304	12.9	69	0.00
25		Isophorone	0.656	0.537	18.1	68	0.00
26	C	2-Nitrophenol	0.118	0.138	-16.9	89	0.00
27		2,4-Dimethylphenol	0.274	0.237	13.5	69	0.00
28		bis(2-Chloroethoxy)methane	0.400	0.337	15.8	69	0.00
29	C	2,4-Dichlorophenol	0.267	0.233	12.7	69	0.00
30		1,2,4-Trichlorobenzene	0.282	0.241	14.5	71	0.00
31		Naphthalene	0.962	0.798	17.0	69	0.00
32		Benzoic acid	0.110	0.068	38.2#	51	-0.02
33		4-Chloroaniline	0.347	0.284	18.2	67	0.00
34	C	Hexachlorobutadiene	0.175	0.156	10.9	73	0.00
35		Caprolactam	0.075	0.062	17.3	64	-0.02
36	C	4-Chloro-3-methylphenol	0.280	0.230	17.9	65	0.00
37		2-Methylnaphthalene	0.633	0.532	16.0	70	0.00
38		1-Methylnaphthalene	0.609	0.507	16.7	69	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	0.547	0.478	12.6	72	0.00
41	P	Hexachlorocyclopentadiene	0.158	0.172	-8.9	83	0.00
42	S	2,4,6-Tribromophenol	0.146	0.137	6.2	70	0.00
43	C	2,4,6-Trichlorophenol	0.311	0.272	12.5	66	0.00
44		2,4,5-Trichlorophenol	0.351	0.299	14.8	64	0.00
45	S	2-Fluorobiphenyl	1.179	1.015	13.9	73	0.00
46		1,1'-Biphenyl	1.414	1.202	15.0	70	0.00
47		2-Chloronaphthalene	1.114	0.935	16.1	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.284	0.280	1.4	73	0.00
49		Acenaphthylene	1.608	1.330	17.3	68	0.00
50		Dimethylphthalate	1.169	1.033	11.6	71	0.00
51		2,6-Dinitrotoluene	0.193	0.204	-5.7	78	0.00
52	C	Acenaphthene	1.069	0.886	17.1	68	0.00
53		3-Nitroaniline	0.239	0.222	7.1	69	0.00
54	P	2,4-Dinitrophenol	0.065	0.048#	26.2#	59	0.00
55		Dibenzofuran	1.539	1.269	17.5	68	0.00
56	P	4-Nitrophenol	0.163	0.135	17.2	63	0.00
57		2,4-Dinitrotoluene	0.256	0.271	-5.9	76	0.00
58		Fluorene	1.175	0.973	17.2	69	0.00
59		2,3,4,6-Tetrachlorophenol	0.236	0.203	14.0	64	0.00
60		Diethylphthalate	1.047	0.969	7.4	73	0.00
61		4-Chlorophenyl-phenylether	0.568	0.494	13.0	71	0.00
62		4-Nitroaniline	0.232	0.200	13.8	65	0.00
63		Azobenzene	1.196	0.984	17.7	67	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	0.069	0.063	8.7	70	0.00
66	c	n-Nitrosodiphenylamine	0.659	0.559	15.2	68	0.00
67		4-Bromophenyl-phenylether	0.229	0.203	11.4	70	0.00
68		Hexachlorobenzene	0.247	0.213	13.8	70	0.00
69		Atrazine	0.172	0.175	-1.7	79	0.00
70	C	Pentachlorophenol	0.101	0.128	-26.7#	94	0.00
71		Phenanthrene	1.091	0.894	18.1	66	0.00
72		Anthracene	1.107	0.917	17.2	67	0.00
73		Carbazole	0.942	0.772	18.0	66	0.00
74		Di-n-butylphthalate	0.798	0.945	-18.4	87	0.00
75	C	Fluoranthene	0.956	0.844	11.7	74	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.547	0.417	23.8	76	0.00
78		Pyrene	1.678	1.149	31.5#	74	0.00
79	S	Terphenyl-d14	1.120	0.850	24.1	84	0.00
80		Butylbenzylphthalate	0.284	0.443	-56.0#	157#	0.00
81		Benzo(a)anthracene	1.271	1.042	18.0	89	0.00
82		3,3'-Dichlorobenzidine	0.343	0.352	-2.6	104	0.00
83		Chrysene	1.185	0.973	17.9	89	0.00
84		Bis(2-ethylhexyl)phthalate	0.403	0.639	-58.6#	156#	0.00
85	c	Di-n-octyl phthalate	0.860	1.132	-31.6#	137	0.00
86	I	Perylene-d12	1.000	1.000	0.0	116	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.158	19.2	93	0.00
88		Benzo(b)fluoranthene	1.094	0.931	14.9	97	0.00
89		Benzo(k)fluoranthene	1.063	0.869	18.3	97	0.00
90	C	Benzo(a)pyrene	1.030	0.849	17.6	95	0.00
91		Dibenzo(a,h)anthracene	1.145	0.937	18.2	93	0.00
92		Benzo(g,h,i)perylene	1.153	0.894	22.5	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 1 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	85	0.00
2		1,4-Dioxane	40.000	31.794	20.5	68	-0.04
3		Pyridine	40.000	32.190	19.5	68	-0.02
4		n-Nitrosodimethylamine	40.000	31.595	21.0	66	-0.04
5	S	2-Fluorophenol	80.000	67.858	15.2	71	0.00
6		Aniline	40.000	31.368	21.6	66	0.00
7	S	Phenol-d6	80.000	63.411	20.7	67	0.00
8		2-Chlorophenol	40.000	34.297	14.3	71	0.00
9		Benzaldehyde	40.000	31.682	20.8	65	0.00
10	C	Phenol	40.000	31.714	20.7#	66	0.00
11		bis(2-Chloroethyl)ether	40.000	33.137	17.2	70	0.00
12		1,3-Dichlorobenzene	40.000	33.227	16.9	70	0.00
13	C	1,4-Dichlorobenzene	40.000	33.067	17.3	71	0.00
14		1,2-Dichlorobenzene	40.000	33.257	16.9	71	0.00
15		Benzyl Alcohol	40.000	33.205	17.0	69	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.595	16.0	71	0.00
17		2-Methylphenol	40.000	32.041	19.9	67	0.00
18		Hexachloroethane	40.000	36.789	8.0	76	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	32.223	19.4	69	0.00
20		3+4-Methylphenols	40.000	32.537	18.7	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	81	0.00
22		Acetophenone	40.000	32.697	18.3	68	0.00
23	S	Nitrobenzene-d5	80.000	71.239	11.0	69	0.00
24		Nitrobenzene	40.000	34.811	13.0	69	0.00
25		Isophorone	40.000	32.761	18.1	68	0.00
26	C	2-Nitrophenol	40.000	40.139	-0.3	89	0.00
27		2,4-Dimethylphenol	40.000	34.658	13.4	69	0.00
28		bis(2-Chloroethoxy)methane	40.000	33.707	15.7	69	0.00
29	C	2,4-Dichlorophenol	40.000	34.959	12.6	69	0.00
30		1,2,4-Trichlorobenzene	40.000	34.175	14.6	71	0.00
31		Naphthalene	40.000	33.165	17.1	69	0.00
32		Benzoic acid	40.000	27.564	31.1#	51	-0.02
33		4-Chloroaniline	40.000	32.774	18.1	67	0.00
34	C	Hexachlorobutadiene	40.000	35.647	10.9	73	0.00
35		Caprolactam	40.000	33.198	17.0	64	-0.02
36	C	4-Chloro-3-methylphenol	40.000	32.804	18.0	65	0.00
37		2-Methylnaphthalene	40.000	33.642	15.9	70	0.00
38		1-Methylnaphthalene	40.000	33.258	16.9	69	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	34.967	12.6	72	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.285	1.8	83	0.00
42	S	2,4,6-Tribromophenol	80.000	74.875	6.4	70	0.00
43	C	2,4,6-Trichlorophenol	40.000	34.992	12.5	66	0.00
44		2,4,5-Trichlorophenol	40.000	34.139	14.7	64	0.00
45	S	2-Fluorobiphenyl	80.000	68.852	13.9	73	0.00
46		1,1'-Biphenyl	40.000	33.987	15.0	70	0.00
47		2-Chloronaphthalene	40.000	33.589	16.0	69	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	35.664	10.8	73	0.00
49		Acenaphthylene	40.000	33.079	17.3	68	0.00
50		Dimethylphthalate	40.000	35.368	11.6	71	0.00
51		2,6-Dinitrotoluene	40.000	37.663	5.8	78	0.00
52	C	Acenaphthene	40.000	33.135	17.2	68	0.00
53		3-Nitroaniline	40.000	37.068	7.3	69	0.00
54	P	2,4-Dinitrophenol	40.000	31.747	20.6	59	0.00
55		Dibenzofuran	40.000	32.990	17.5	68	0.00
56	P	4-Nitrophenol	40.000	31.741	20.6	63	0.00
57		2,4-Dinitrotoluene	40.000	37.646	5.9	76	0.00
58		Fluorene	40.000	33.121	17.2	69	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	34.306	14.2	64	0.00
60		Diethylphthalate	40.000	37.021	7.4	73	0.00
61		4-Chlorophenyl-phenylether	40.000	34.812	13.0	71	0.00
62		4-Nitroaniline	40.000	34.507	13.7	65	0.00
63		Azobenzene	40.000	32.926	17.7	67	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	40.000	33.493	16.3	70	0.00
66	c	n-Nitrosodiphenylamine	40.000	33.956	15.1	68	0.00
67		4-Bromophenyl-phenylether	40.000	35.507	11.2	70	0.00
68		Hexachlorobenzene	40.000	34.499	13.8	70	0.00
69		Atrazine	40.000	40.822	-2.1	79	0.00
70	C	Pentachlorophenol	40.000	45.062	-12.7	94	0.00
71		Phenanthrene	40.000	32.777	18.1	66	0.00
72		Anthracene	40.000	33.161	17.1	67	0.00
73		Carbazole	40.000	32.752	18.1	66	0.00
74		Di-n-butylphthalate	40.000	47.381	-18.5	87	0.00
75	C	Fluoranthene	40.000	35.311	11.7	74	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	30.486	23.8	76	0.00
78		Pyrene	40.000	27.393	31.5#	74	0.00
79	S	Terphenyl-d14	80.000	60.724	24.1	84	0.00
80		Butylbenzylphthalate	40.000	53.064	-32.7#	157	0.00
81		Benzo(a)anthracene	40.000	32.789	18.0	89	0.00
82		3,3'-Dichlorobenzidine	40.000	41.046	-2.6	104	0.00
83		Chrysene	40.000	32.851	17.9	89	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	52.051	-30.1#	156	0.00
85	c	Di-n-octyl phthalate	40.000	46.796	-17.0	137	0.00
86	I	Perylene-d12	20.000	20.000	0.0	116	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	32.320	19.2	93	0.00
88		Benzo(b)fluoranthene	40.000	34.034	14.9	97	0.00
89		Benzo(k)fluoranthene	40.000	32.696	18.3	97	0.00
90	C	Benzo(a)pyrene	40.000	32.951	17.6	95	0.00
91		Dibenzo(a,h)anthracene	40.000	32.740	18.1	93	0.00
92		Benzo(g,h,i)perylene	40.000	30.998	22.5	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 09:21

Lab File ID: BF143518.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:55 14:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.132		-1.1	
Benzaldehyde	1.145	1.256		9.7	
Phenol-d6	1.414	1.413		-0.1	
Phenol	1.629	1.644		0.9	20.0
bis(2-Chloroethyl)ether	1.217	1.227		0.8	
2-Chlorophenol	1.265	1.272		0.6	
2-Methylphenol	1.015	1.028		1.3	
2,2-oxybis(1-Chloropropane)	1.947	1.939		-0.4	
Acetophenone	0.432	0.427		-1.2	
3+4-Methylphenols	1.212	1.227		1.2	
n-Nitroso-di-n-propylamine	0.864	0.860	0.050	-0.5	
Nitrobenzene-d5	0.343	0.348		1.5	
Hexachloroethane	0.485	0.490		1.0	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.628	0.630		0.3	
2-Nitrophenol	0.173	0.180		4.0	20.0
2,4-Dimethylphenol	0.269	0.270		0.4	
bis(2-Chloroethoxy)methane	0.386	0.384		-0.5	
2,4-Dichlorophenol	0.288	0.290		0.7	20.0
Naphthalene	0.960	0.950		-1.0	
4-Chloroaniline	0.341	0.339		-0.6	
Hexachlorobutadiene	0.193	0.194		0.5	20.0
Caprolactam	0.069	0.078		13.0	
4-Chloro-3-methylphenol	0.288	0.289		0.3	20.0
2-Methylnaphthalene	0.641	0.627		-2.2	
Hexachlorocyclopentadiene	0.184	0.169	0.050	-8.2	
2,4,6-Trichlorophenol	0.352	0.355		0.9	20.0
2-Fluorobiphenyl	1.210	1.177		-2.7	
2,4,5-Trichlorophenol	0.385	0.380		-1.3	
1,1-Biphenyl	1.420	1.391		-2.0	
2-Chloronaphthalene	1.114	1.096		-1.6	
2-Nitroaniline	0.326	0.335		2.8	
Dimethylphthalate	1.205	1.250		3.7	
Acenaphthylene	1.595	1.578		-1.1	
2,6-Dinitrotoluene	0.250	0.265		6.0	
3-Nitroaniline	0.270	0.278		3.0	
Acenaphthene	1.083	1.067		-1.5	20.0
2,4-Dinitrophenol	0.115	0.109	0.050	-5.2	
4-Nitrophenol	0.161	0.155	0.050	-3.7	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 09:21

Lab File ID: BF143518.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:55 14:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.525		-1.2	
2,4-Dinitrotoluene	0.333	0.357		7.2	
Diethylphthalate	1.080	1.140		5.6	
4-Chlorophenyl-phenylether	0.594	0.589		-0.8	
Fluorene	1.188	1.164		-2.0	
4-Nitroaniline	0.248	0.258		4.0	
4,6-Dinitro-2-methylphenol	0.113	0.107		-5.3	
n-Nitrosodiphenylamine	0.644	0.645		0.2	20.0
2,4,6-Tribromophenol	0.186	0.186		0.0	
4-Bromophenyl-phenylether	0.239	0.242		1.3	
Hexachlorobenzene	0.257	0.257		0.0	
Atrazine	0.166	0.195		17.5	
Pentachlorophenol	0.118	0.106		-10.2	20.0
Phenanthrene	1.071	1.052		-1.8	
Anthracene	1.085	1.065		-1.8	
Carbazole	0.889	0.875		-1.6	
Di-n-butylphthalate	0.829	0.956		15.3	
Fluoranthene	0.961	0.922		-4.1	20.0
Pyrene	1.645	1.514		-8.0	
Terphenyl-d14	1.146	1.094		-4.5	
Butylbenzylphthalate	0.449	0.485		8.0	
3,3-Dichlorobenzidine	0.369	0.377		2.2	
Benzo(a)anthracene	1.288	1.239		-3.8	
Chrysene	1.157	1.147		-0.9	
Bis(2-ethylhexyl)phthalate	0.685	0.692		1.0	
Di-n-octyl phthalate	1.268	1.238		-2.4	20.0
Benzo(b)fluoranthene	1.112	1.175		5.7	
Benzo(k)fluoranthene	1.064	0.980		-7.9	
Benzo(a)pyrene	1.032	1.024		-0.8	20.0
Indeno(1,2,3-cd)pyrene	1.437	1.375		-4.3	
Dibenzo(a,h)anthracene	1.151	1.117		-3.0	
Benzo(g,h,i)perylene	1.145	1.055		-7.9	
1,2,4,5-Tetrachlorobenzene	0.572	0.568		-0.7	
1,4-Dioxane	0.531	0.541		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.286	0.289		1.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	118001	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	448774	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	244595	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	369706	20.000	ng	0.00
76) Chrysene-d12	14.098	240	222503	20.000	ng	0.00
86) Perylene-d12	15.592	264	262934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	534460	79.089	ng	0.00
7) Phenol-d6	6.563	99	667138	79.973	ng	-0.01
23) Nitrobenzene-d5	7.487	82	624678	81.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	181773	79.836	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1151723	77.819	ng	0.00
79) Terphenyl-d14	13.033	244	973817	76.374	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	127663	40.780	ng	99
3) Pyridine	3.510	79	338120	40.552	ng	99
4) n-Nitrosodimethylamine	3.457	42	150541	40.163	ng	98
6) Aniline	6.587	93	449531	40.315	ng	91
8) 2-Chlorophenol	6.716	128	300113	40.208	ng	100
9) Benzaldehyde	6.475	77	296436	43.891	ng	96
10) Phenol	6.575	94	387980	40.372	ng	92
11) bis(2-Chloroethyl)ether	6.657	93	289515	40.314	ng	99
12) 1,3-Dichlorobenzene	6.869	146	333800	39.802	ng	99
13) 1,4-Dichlorobenzene	6.945	146	336877	40.045	ng	99
14) 1,2-Dichlorobenzene	7.098	146	319564	40.122	ng	100
15) Benzyl Alcohol	7.069	79	254573	40.760	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	457661	39.834	ng	90
17) 2-Methylphenol	7.181	107	242686	40.511	ng	97
18) Hexachloroethane	7.440	117	115654	40.435	ng	97
19) n-Nitroso-di-n-propyla...	7.334	70	203044	39.822	ng	99
20) 3+4-Methylphenols	7.334	107	289653	40.503	ng	98
22) Acetophenone	7.334	105	383042	39.507	ng	99
24) Nitrobenzene	7.504	77	324679	41.020	ng	99
25) Isophorone	7.745	82	565357	40.104	ng	100
26) 2-Nitrophenol	7.822	139	161941	41.767	ng	97
27) 2,4-Dimethylphenol	7.863	122	242413	40.108	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	344305	39.742	ng	100
29) 2,4-Dichlorophenol	8.069	162	260040	40.285	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	265906	40.066	ng	98
31) Naphthalene	8.234	128	852935	39.587	ng	100
32) Benzoic acid	7.975	122	117106	35.717	ng	98
33) 4-Chloroaniline	8.275	127	304385	39.804	ng	99
34) Hexachlorobutadiene	8.351	225	174035	40.194	ng	100
35) Caprolactam	8.645	113	69912	45.135	ng	98
36) 4-Chloro-3-methylphenol	8.763	107	259690	40.144	ng	99
37) 2-Methylnaphthalene	8.922	142	562491	39.089	ng	100
38) 1-Methylnaphthalene	9.022	142	542827	39.436	ng	100
40) 1,2,4,5-Tetrachloroben...	9.086	216	277705	39.693	ng	100
41) Hexachlorocyclopentadiene	9.081	237	82522	34.356	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	173645	40.335	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

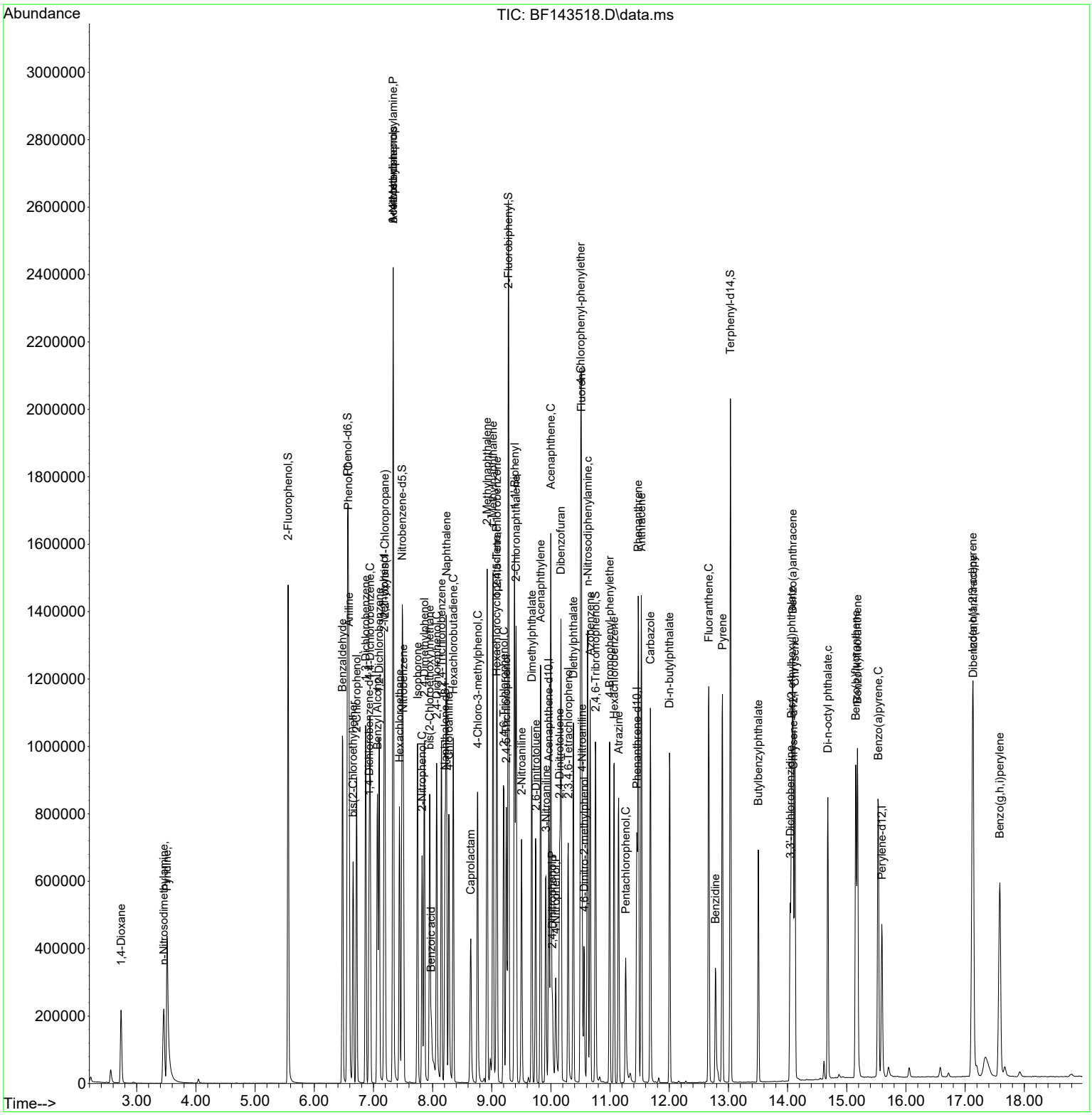
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	186067	39.568	ng	99
46) 1,1'-Biphenyl	9.386	154	680592	39.203	ng	99
47) 2-Chloronaphthalene	9.410	162	536315	39.372	ng	99
48) 2-Nitroaniline	9.504	65	163759	41.078	ng	97
49) Acenaphthylene	9.828	152	771789	39.570	ng	99
50) Dimethylphthalate	9.675	163	611411	41.504	ng	100
51) 2,6-Dinitrotoluene	9.745	165	129744	42.495	ng	98
52) Acenaphthene	9.998	154	521988	39.417	ng	100
53) 3-Nitroaniline	9.916	138	135772	41.155	ng	99
54) 2,4-Dinitrophenol	10.022	184	53382	35.824	ng	93
55) Dibenzofuran	10.169	168	745949	39.509	ng	99
56) 4-Nitrophenol	10.081	139	75600	38.513	ng	95
57) 2,4-Dinitrotoluene	10.145	165	174534	42.812	ng	97
58) Fluorene	10.516	166	569387	39.184	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	141362	40.463	ng	99
60) Diethylphthalate	10.381	149	557513	42.212	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	288368	39.680	ng	98
62) 4-Nitroaniline	10.528	138	126293	41.677	ng	99
63) Azobenzene	10.663	77	549552	40.129	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	79062	37.928	ng	98
66) n-Nitrosodiphenylamine	10.622	169	477218	40.110	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	178840	40.542	ng	97
68) Hexachlorobenzene	11.069	284	190099	39.979	ng	99
69) Atrazine	11.145	200	143876	46.846	ng	99
70) Pentachlorophenol	11.263	266	78686	36.133	ng	99
71) Phenanthrene	11.475	178	777957	39.294	ng	100
72) Anthracene	11.528	178	787324	39.255	ng	100
73) Carbazole	11.680	167	647183	39.380	ng	99
74) Di-n-butylphthalate	12.004	149	707138	46.124	ng	99
75) Fluoranthene	12.669	202	681682	38.372	ng	99
77) Benzidine	12.780	184	216953	40.029	ng	99
78) Pyrene	12.898	202	673559	36.801	ng	99
80) Butylbenzylphthalate	13.504	149	215877	43.176	ng	100
81) Benzo(a)anthracene	14.086	228	551541	38.502	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	167699	40.879	ng	98
83) Chrysene	14.121	228	510484	39.654	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	308015	40.447	ng	99
85) Di-n-octyl phthalate	14.680	149	551091	39.064	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	722883	38.259	ng	100
88) Benzo(b)fluoranthene	15.151	252	618031	42.286	ng	99
89) Benzo(k)fluoranthene	15.180	252	515140	36.812	ng	99
90) Benzo(a)pyrene	15.533	252	538725	39.710	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	587454	38.822	ng	99
92) Benzo(g,h,i)perylene	17.586	276	554893	36.878	ng	99

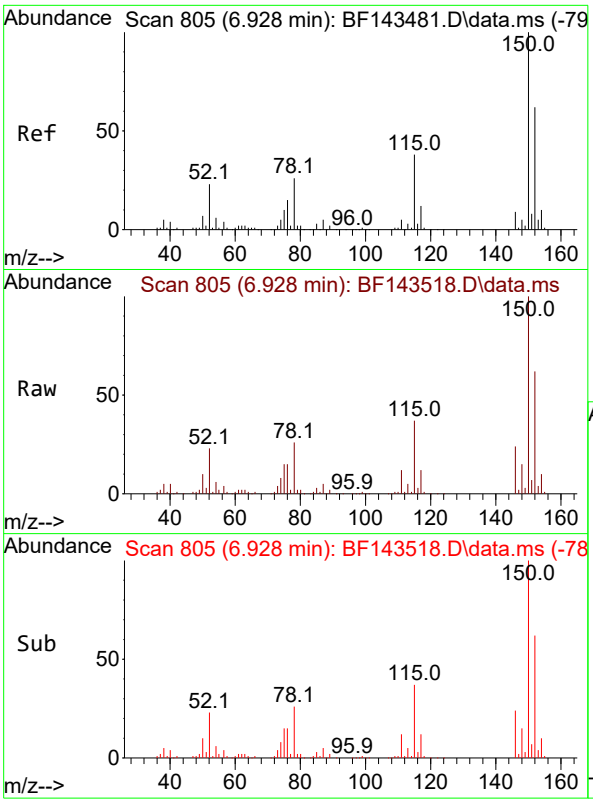
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



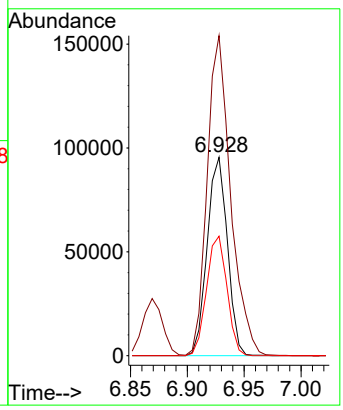


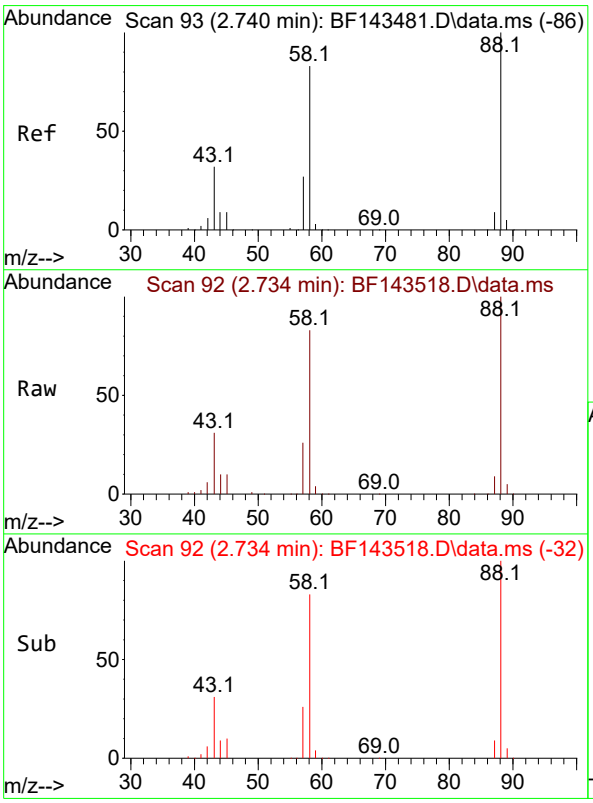
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 118001

Ion	Ratio	Lower	Upper
152	100		
150	161.3	128.9	193.3
115	60.3	49.2	73.8

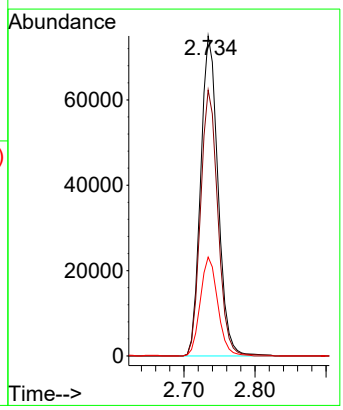


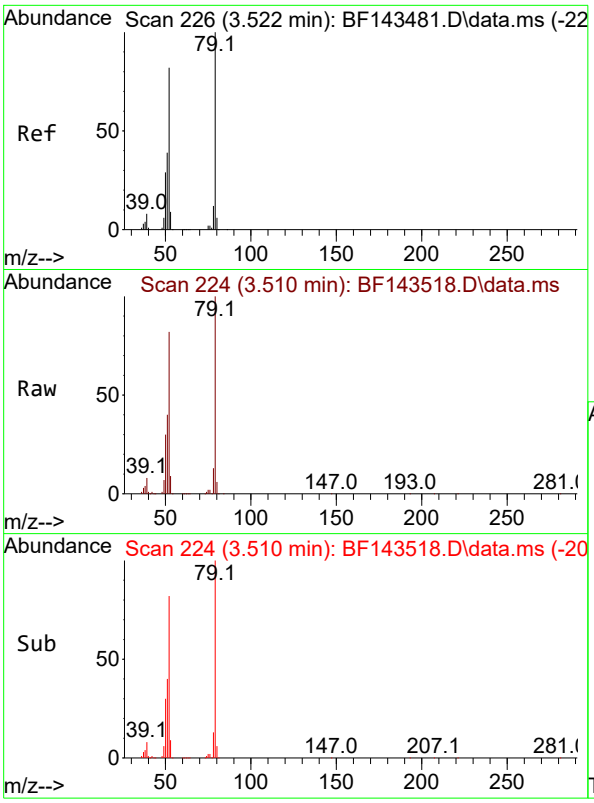


#2
1,4-Dioxane
Concen: 40.780 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 88 Resp: 127663

Ion	Ratio	Lower	Upper
88	100		
58	82.7	66.7	100.1
43	31.1	25.8	38.8



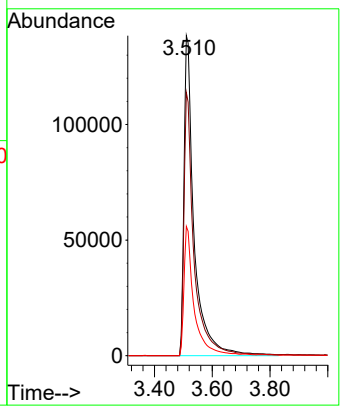


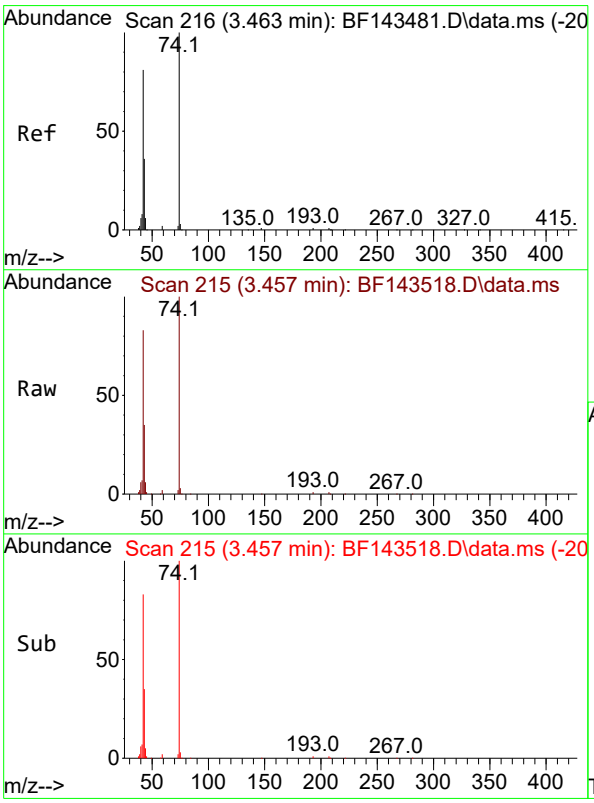
#3
Pyridine
Concen: 40.552 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 338120

Ion	Ratio	Lower	Upper
79	100		
52	82.2	65.6	98.4
51	40.4	31.2	46.8

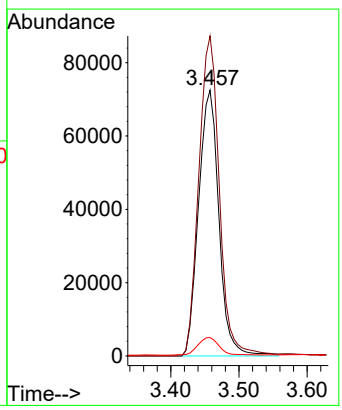


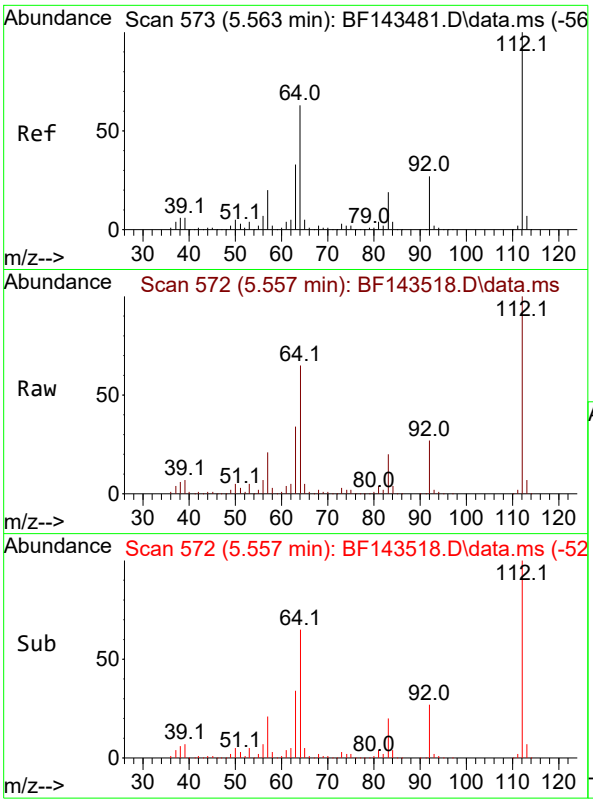


#4
n-Nitrosodimethylamine
Concen: 40.163 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 42 Resp: 150541

Ion	Ratio	Lower	Upper
42	100		
74	120.4	98.6	148.0
44	6.9	5.8	8.8



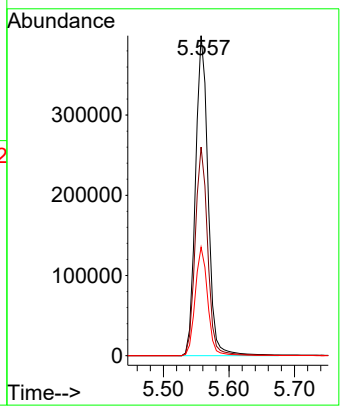


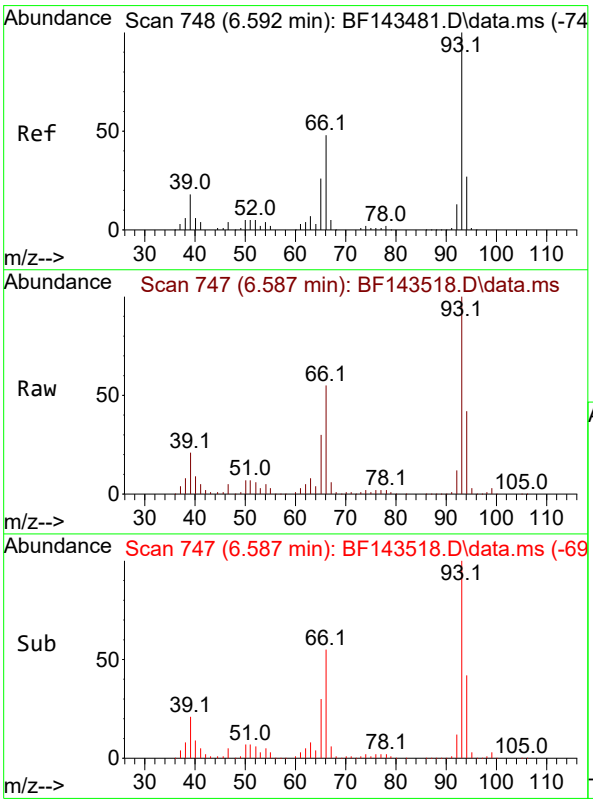
#5
2-Fluorophenol
Concen: 79.089 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 534460

Ion	Ratio	Lower	Upper
112	100		
64	65.2	50.4	75.6
63	33.9	26.4	39.6

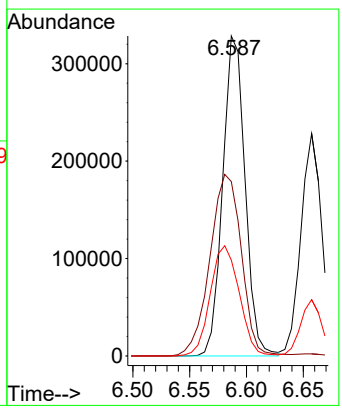


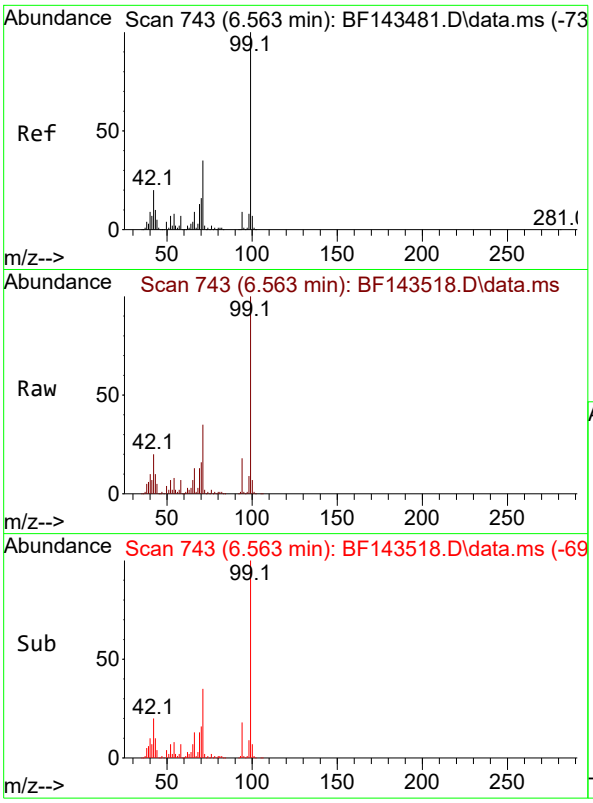


#6
Aniline
Concen: 40.315 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 93 Resp: 449531

Ion	Ratio	Lower	Upper
93	100		
66	54.5	38.9	58.3
65	30.0	20.6	30.8



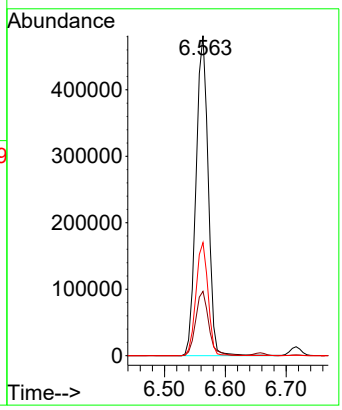


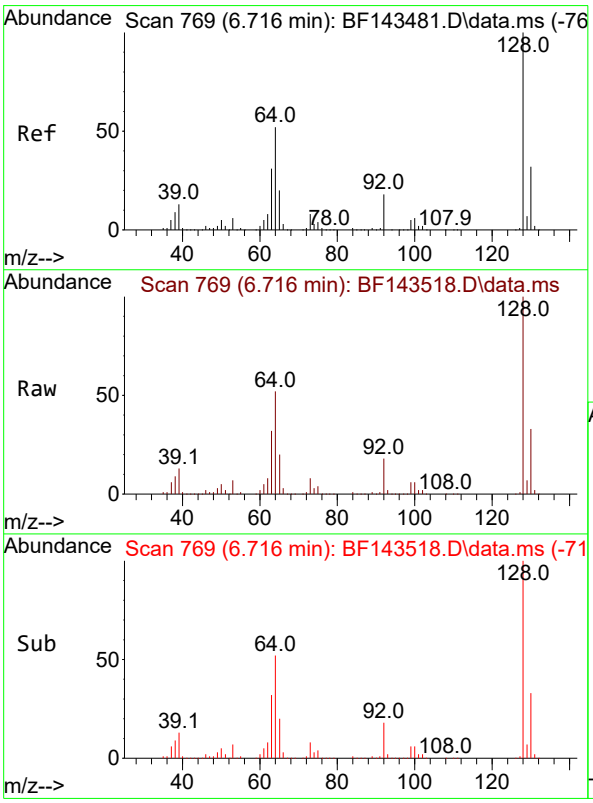
#7
Phenol-d6
Concen: 79.973 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 667138

Ion	Ratio	Lower	Upper
99	100		
42	20.1	16.3	24.5
71	35.3	28.2	42.2

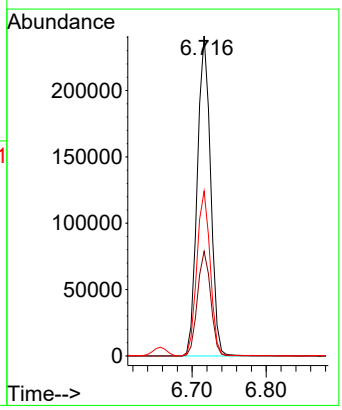


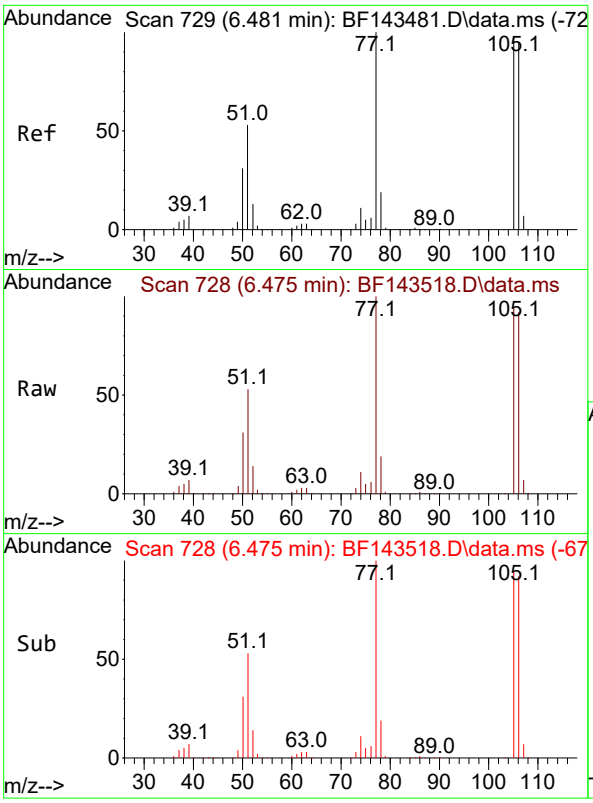


#8
2-Chlorophenol
Concen: 40.208 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:128 Resp: 300113

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.4	52.4
64	51.5	31.6	71.6



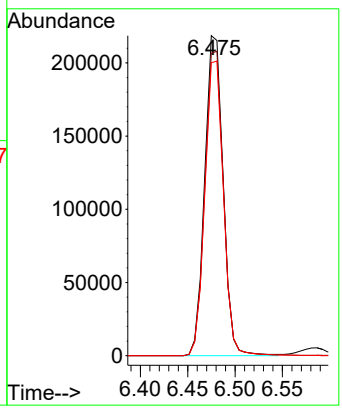


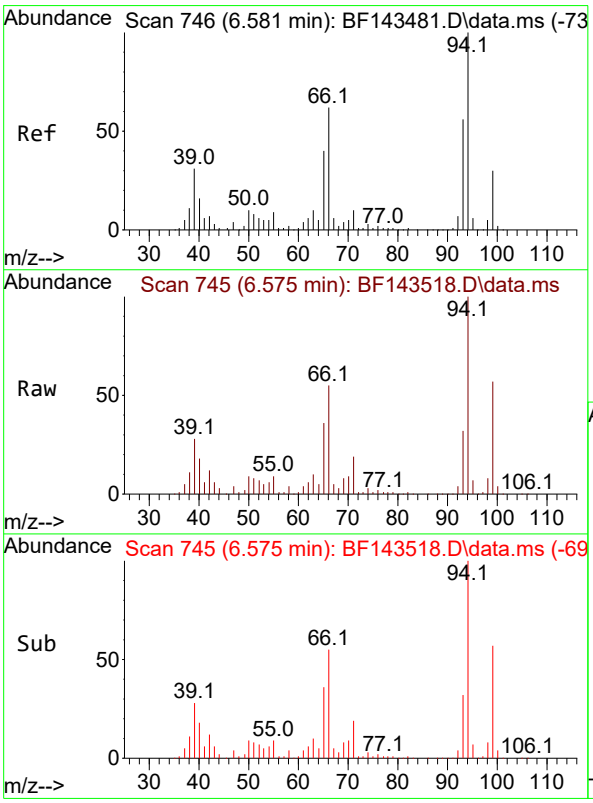
#9
Benzaldehyde
Concen: 43.891 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 296436

Ion	Ratio	Lower	Upper
77	100		
105	94.6	78.1	118.1
106	91.6	74.9	114.9

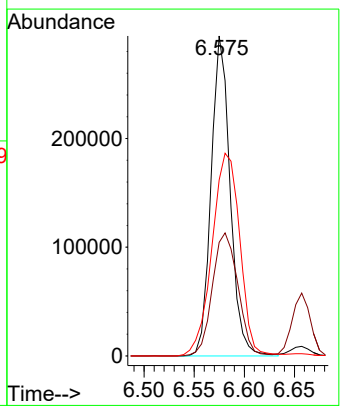


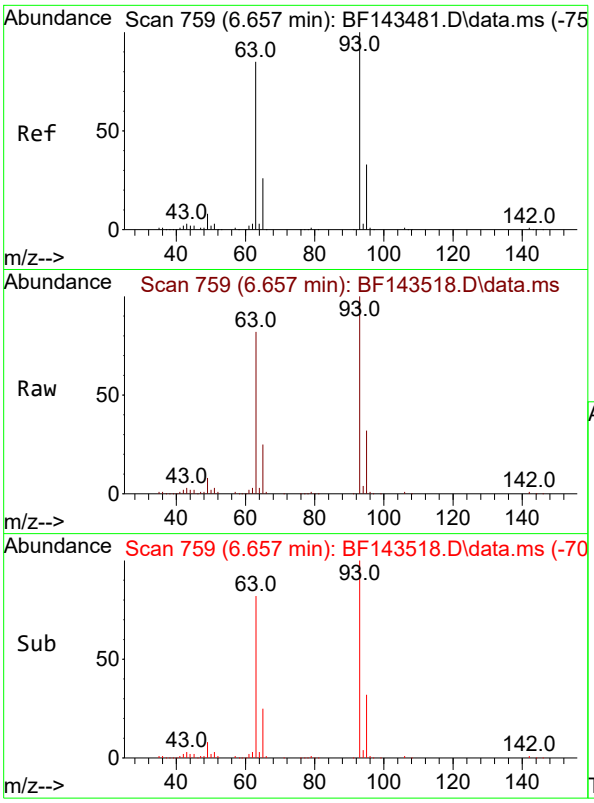


#10
Phenol
Concen: 40.372 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 94 Resp: 387980

Ion	Ratio	Lower	Upper
94	100		
65	35.5	19.5	59.5
66	55.0	42.5	82.5



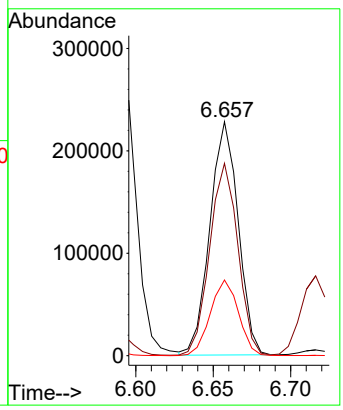


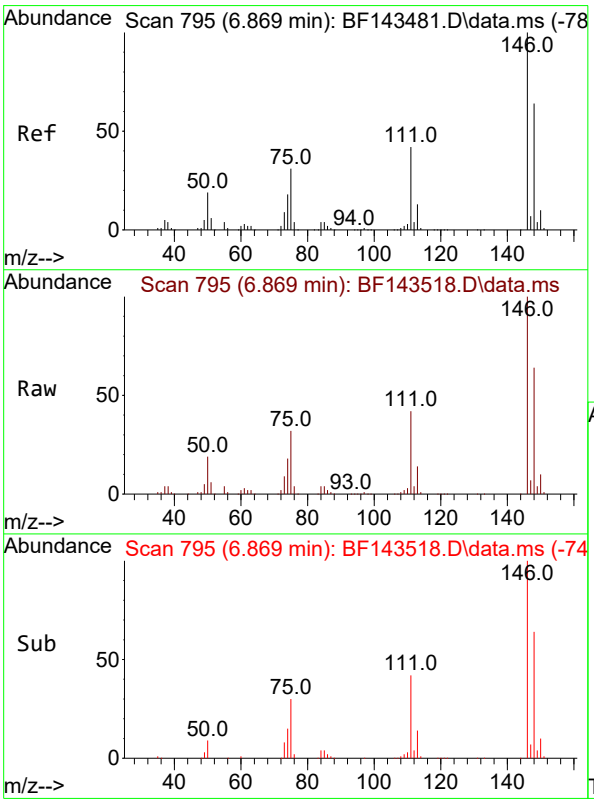
#11
bis(2-Chloroethyl)ether
Concen: 40.314 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 289515

Ion	Ratio	Lower	Upper
93	100		
63	82.2	63.6	103.6
95	32.4	12.8	52.8

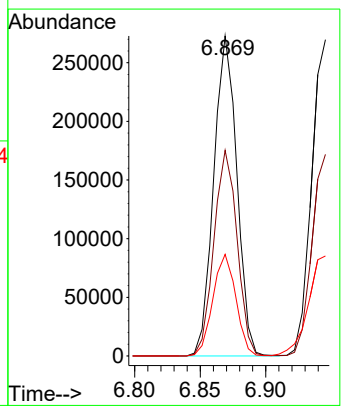


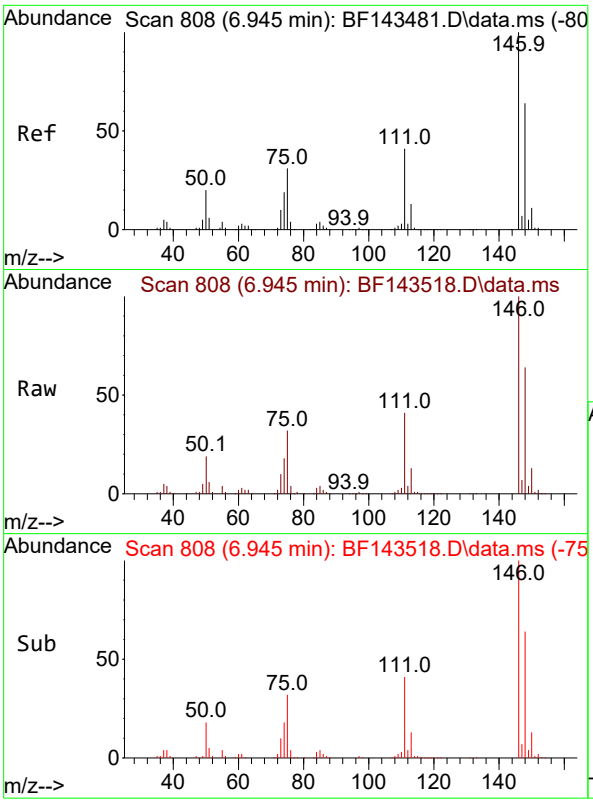


#12
1,3-Dichlorobenzene
Concen: 39.802 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:146 Resp: 333800

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
75	31.8	24.7	37.1



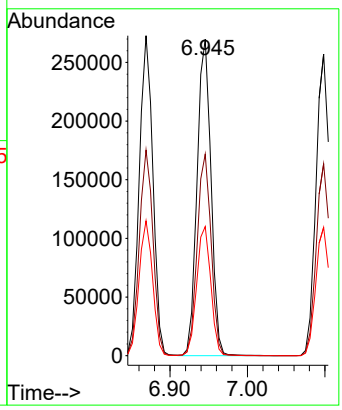


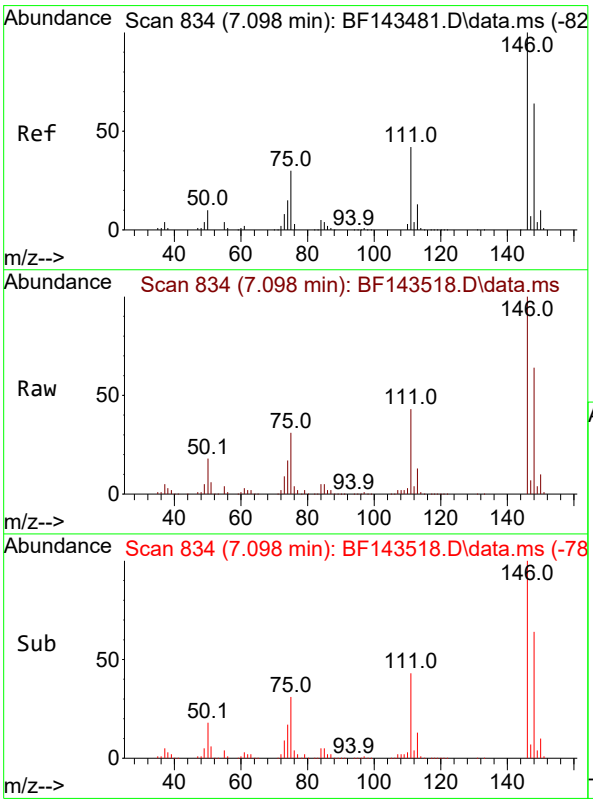
#13
1,4-Dichlorobenzene
Concen: 40.045 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 336877

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	40.8	32.6	49.0

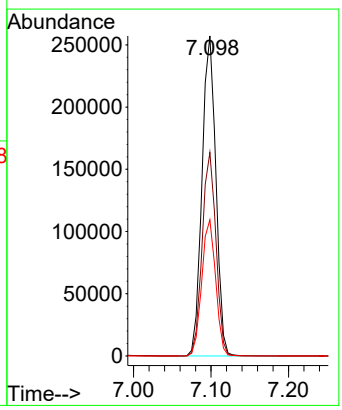


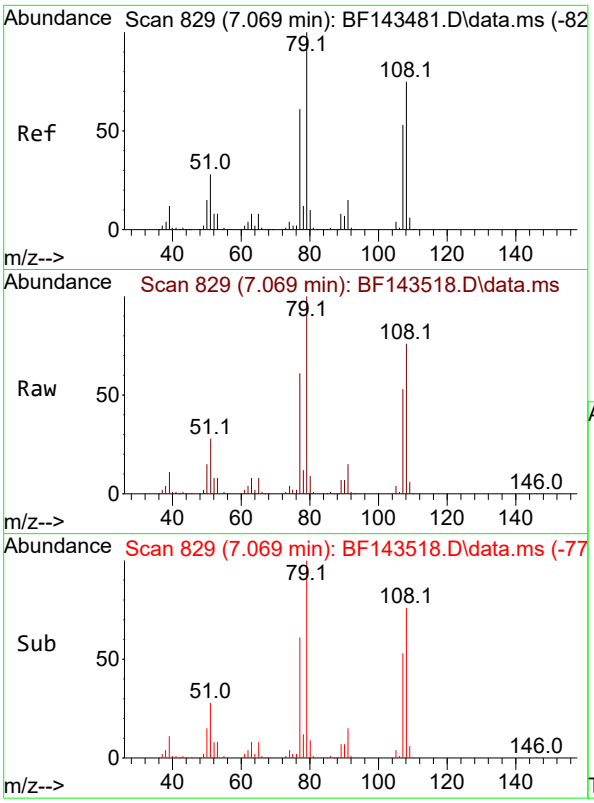


#14
1,2-Dichlorobenzene
Concen: 40.122 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:146 Resp: 319564

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
111	42.5	34.0	51.0



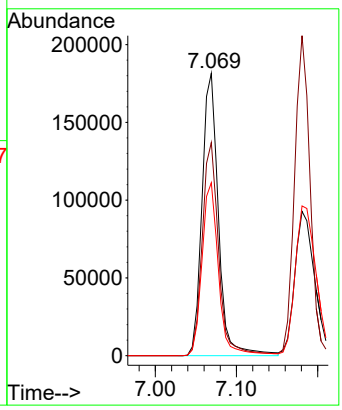


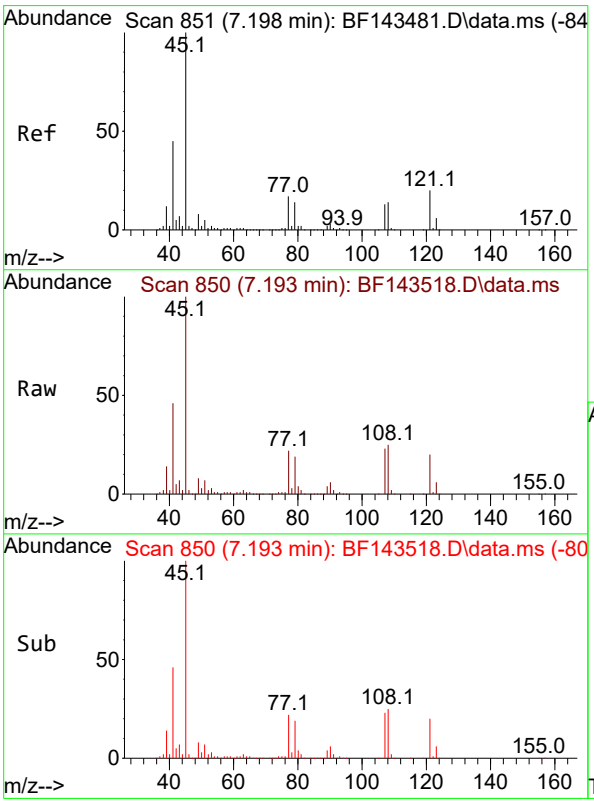
#15
Benzyl Alcohol
Concen: 40.760 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 254573

Ion	Ratio	Lower	Upper
79	100		
108	75.5	59.8	89.6
77	61.3	49.0	73.4

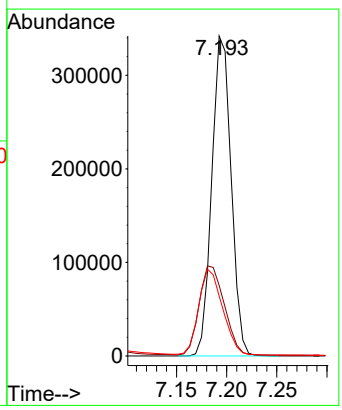


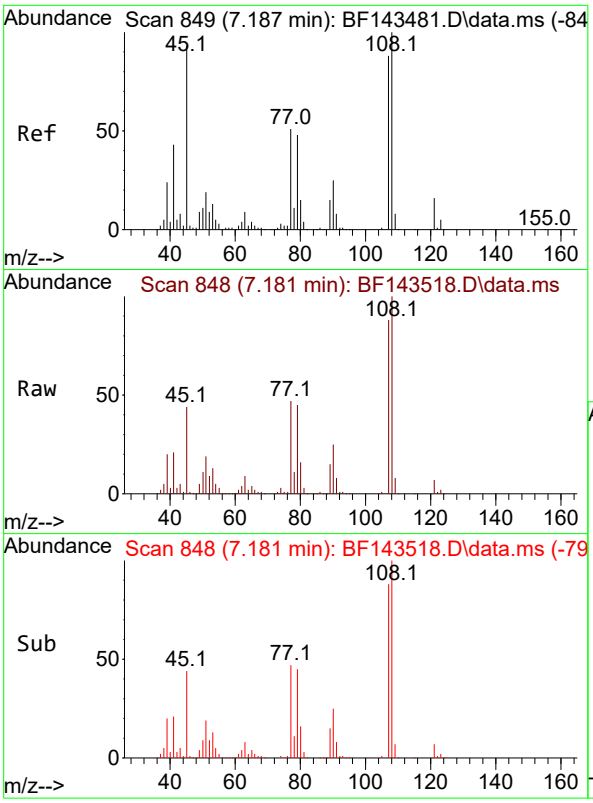


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.834 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 45 Resp: 457661

Ion	Ratio	Lower	Upper
45	100		
77	22.0	0.0	37.9
79	18.8	0.0	34.7



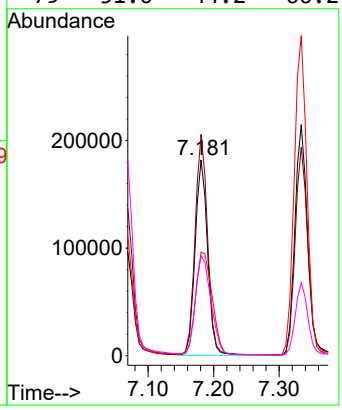


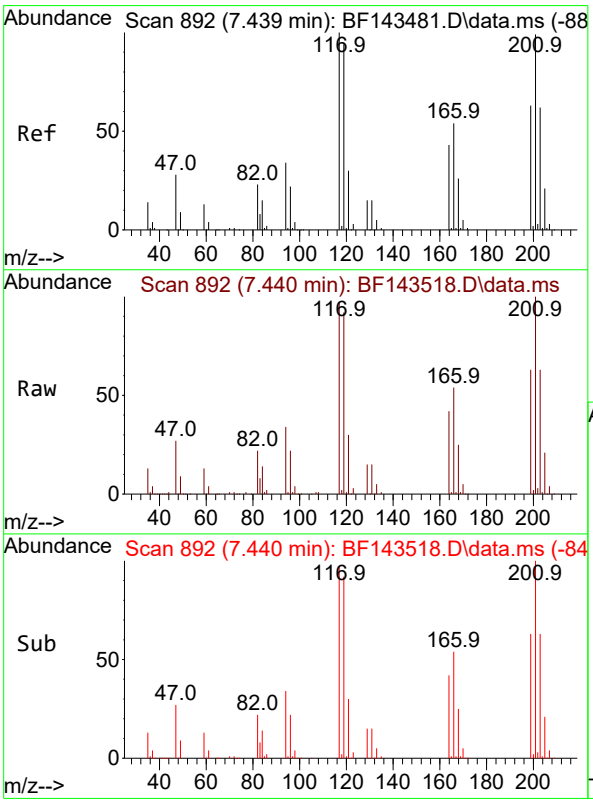
#17
2-Methylphenol
Concen: 40.511 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 242686

Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.1	136.7
77	52.9	46.2	69.4
79	51.0	44.2	66.2

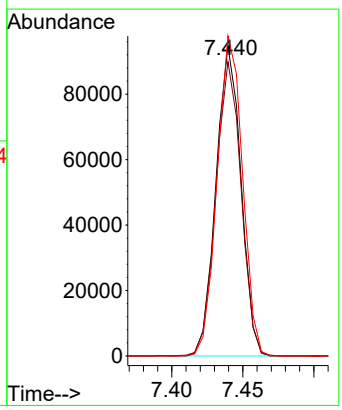


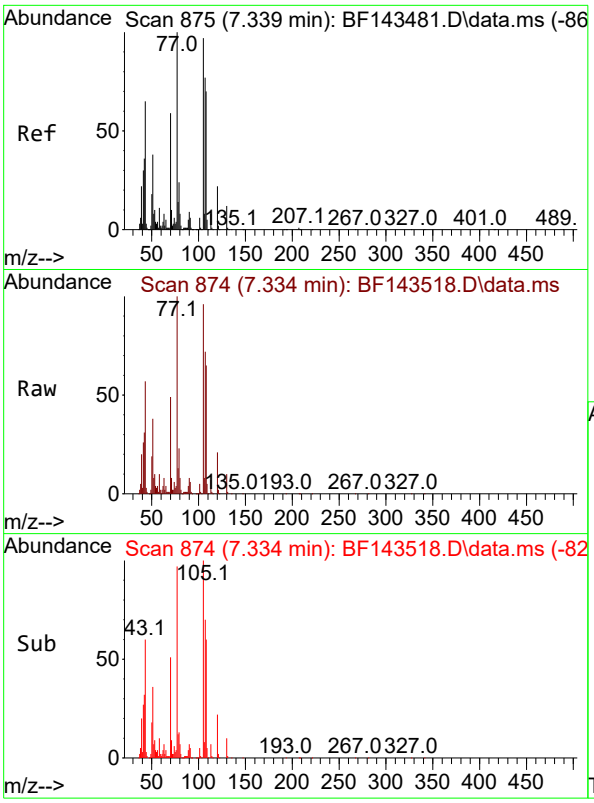


#18
Hexachloroethane
Concen: 40.435 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:117 Resp: 115654

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.4	113.0
201	103.2	79.0	118.4



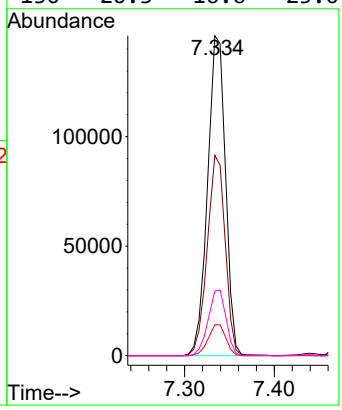


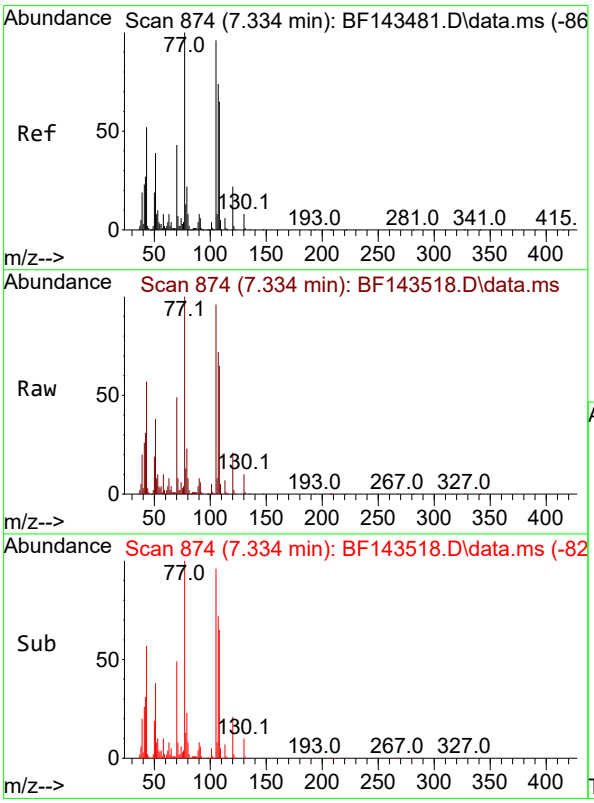
#19
n-Nitroso-di-n-propylamine
Concen: 39.822 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 203044

Ion	Ratio	Lower	Upper
70	100		
42	62.6	49.3	73.9
101	9.7	7.8	11.8
130	20.3	16.6	25.0

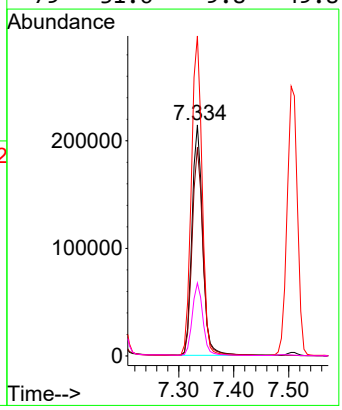


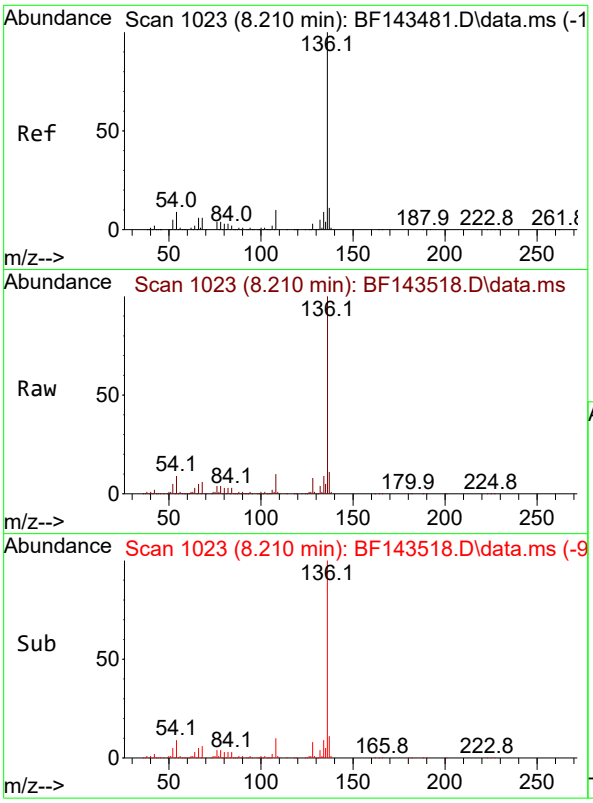


#20
3+4-Methylphenols
Concen: 40.503 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:107 Resp: 289653

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.4	108.4
77	138.5	116.1	156.1
79	31.6	9.8	49.8



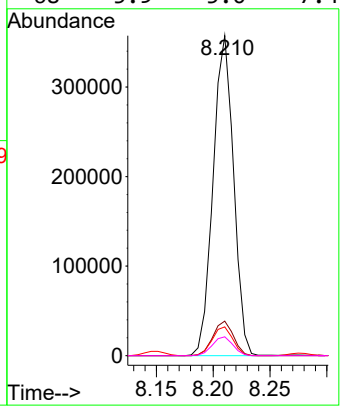


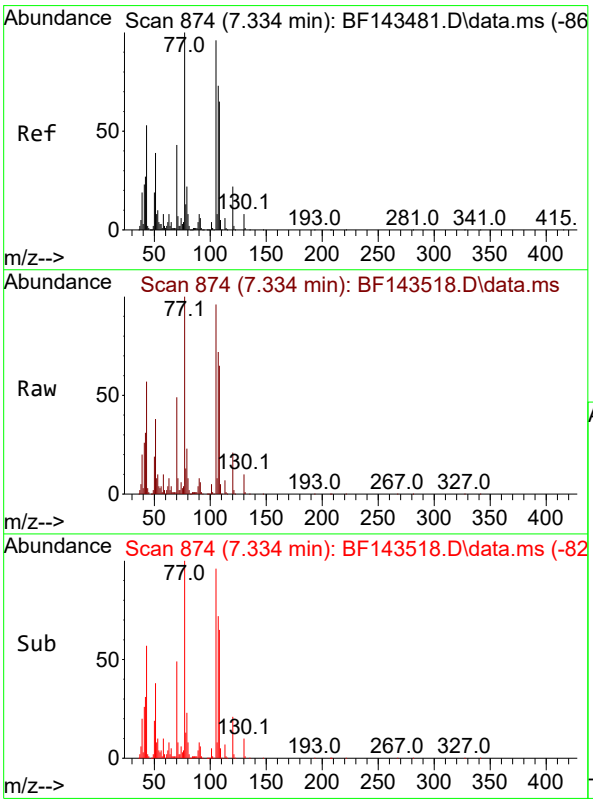
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 448774

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	9.0	7.4	11.2
68	5.9	5.0	7.4

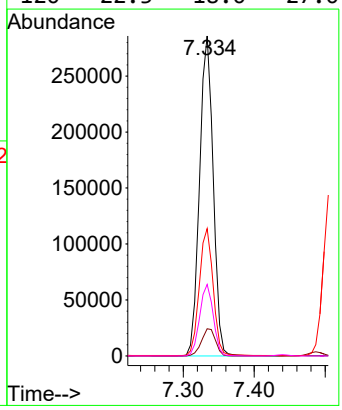


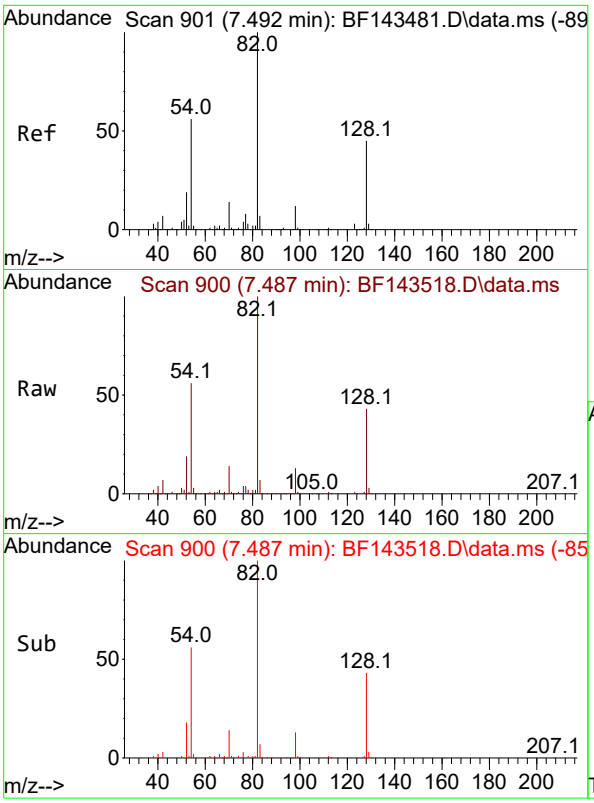


#22
Acetophenone
Concen: 39.507 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:105 Resp: 383042

Ion	Ratio	Lower	Upper
105	100		
71	8.5	5.9	8.9
51	39.8	32.5	48.7
120	22.3	18.0	27.0



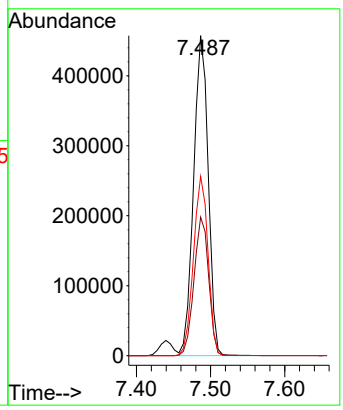


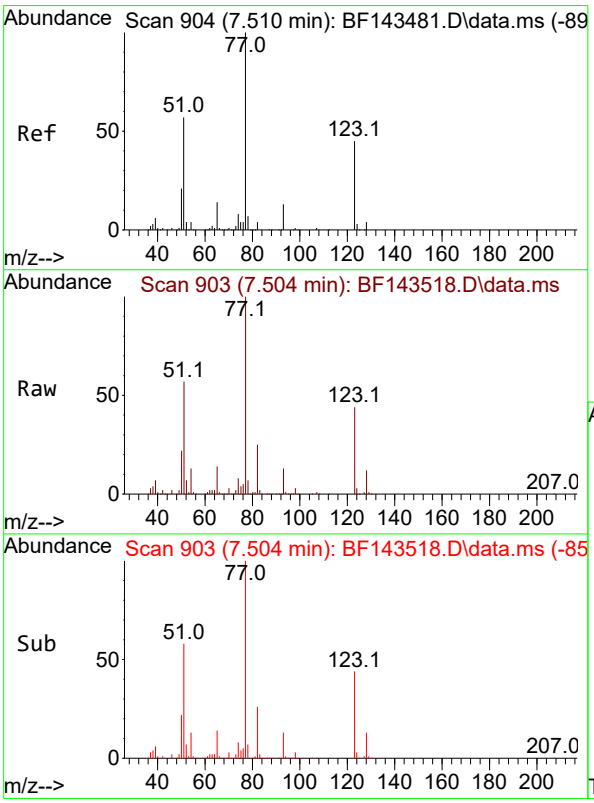
#23
Nitrobenzene-d5
Concen: 81.228 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 624678

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.5	53.3
54	56.1	44.3	66.5

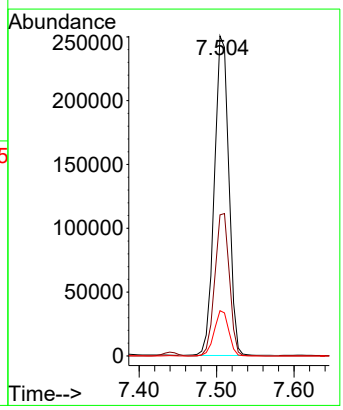


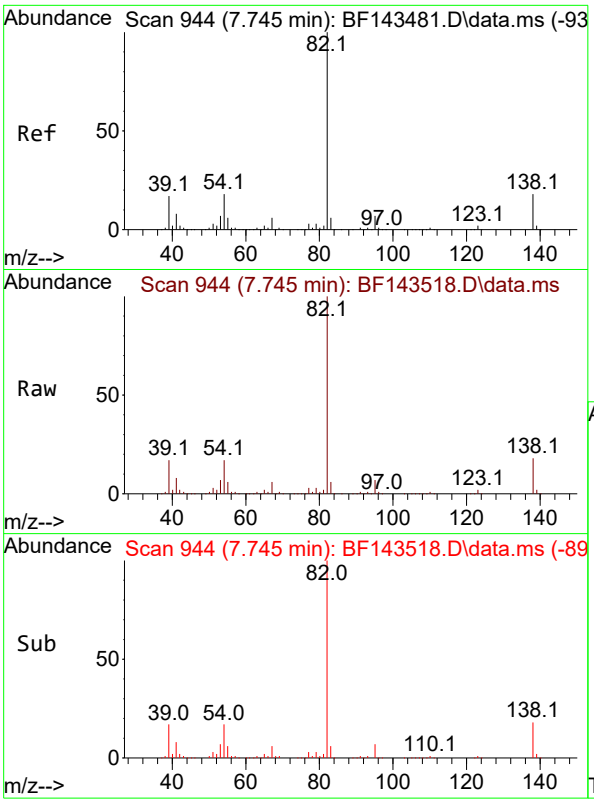


#24
Nitrobenzene
Concen: 41.020 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 77 Resp: 324679

Ion	Ratio	Lower	Upper
77	100		
123	44.1	36.1	54.1
65	14.1	11.0	16.6



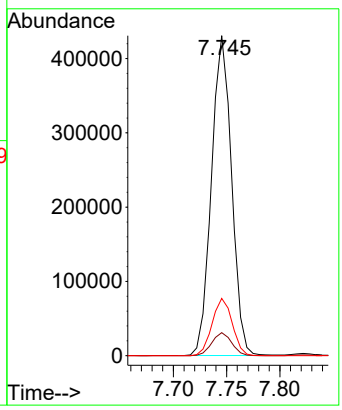


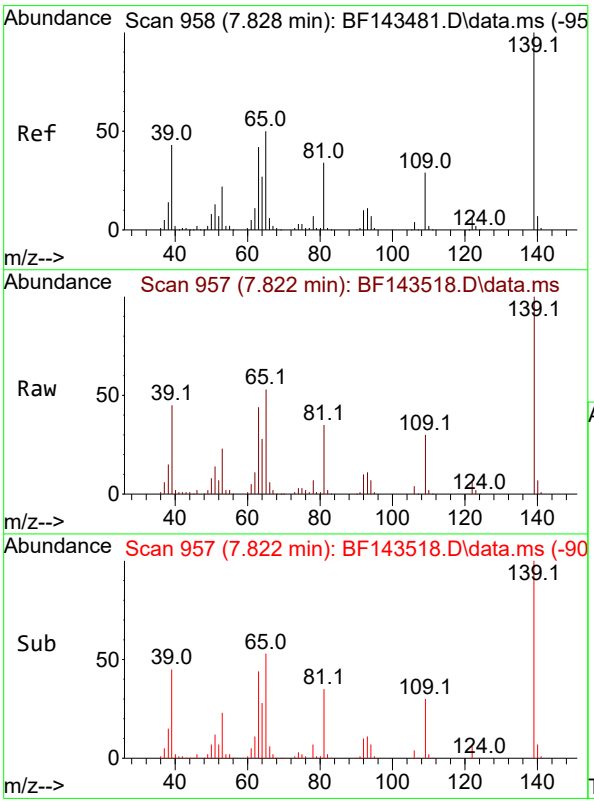
#25
Isophorone
Concen: 40.104 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 565357

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	17.9	14.2	21.4

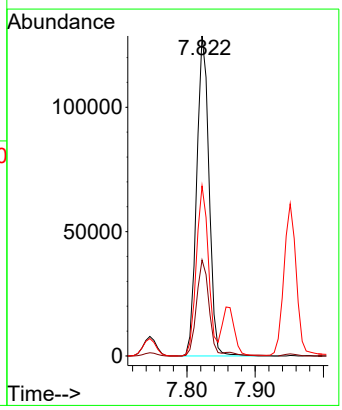


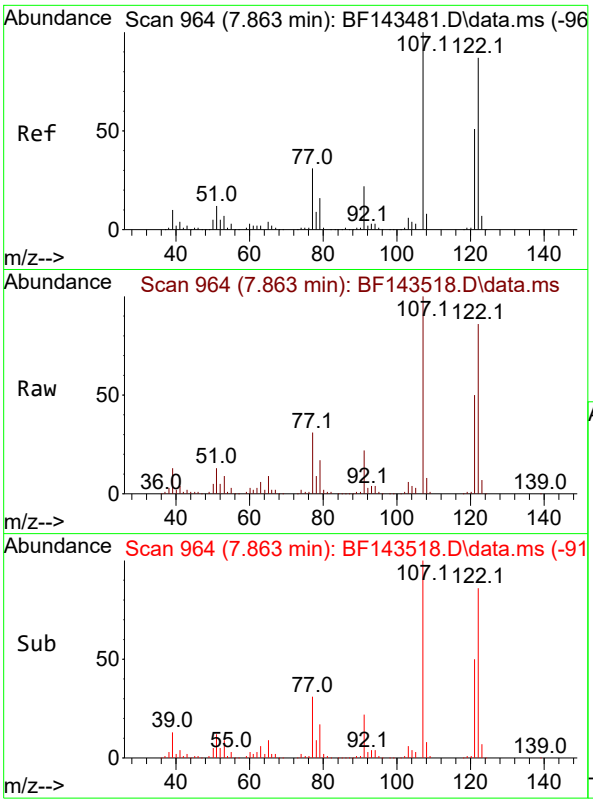


#26
2-Nitrophenol
Concen: 41.767 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:139 Resp: 161941

Ion	Ratio	Lower	Upper
139	100		
109	30.0	23.0	34.6
65	53.1	40.3	60.5



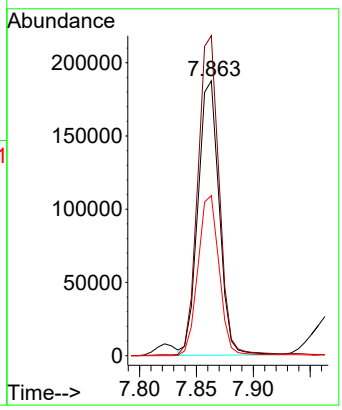


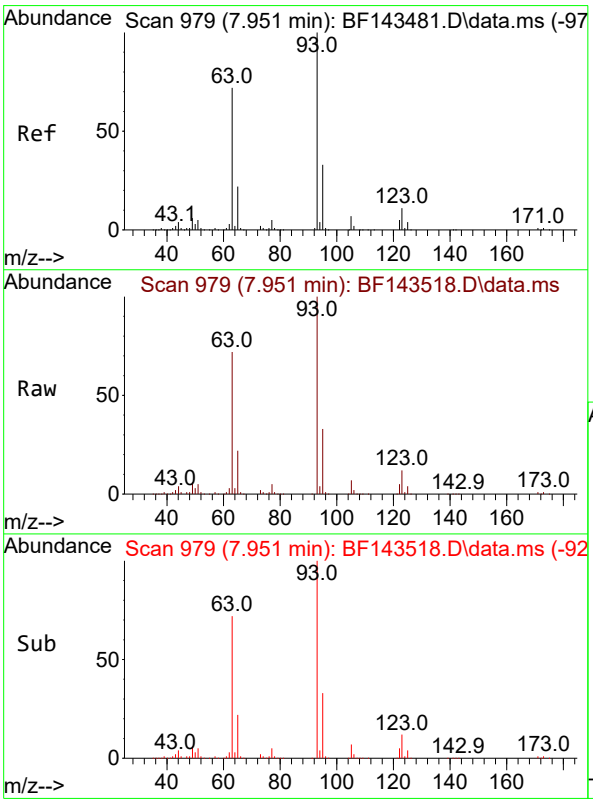
#27
2,4-Dimethylphenol
Concen: 40.108 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 242413

Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.5	137.3
121	58.3	47.0	70.4

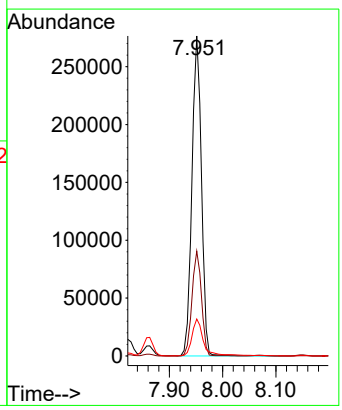


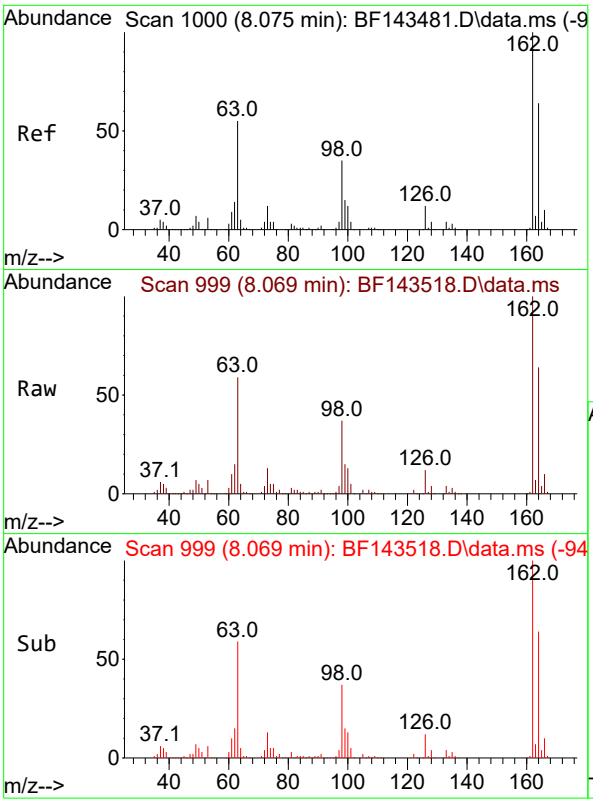


#28
bis(2-Chloroethoxy)methane
Concen: 39.742 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 93 Resp: 344305

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.6	9.1	13.7



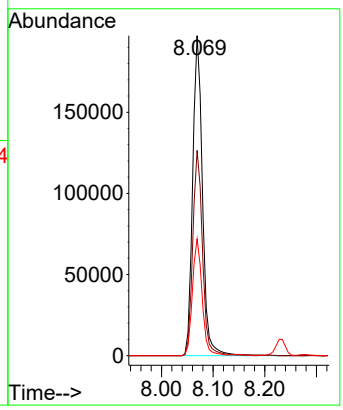


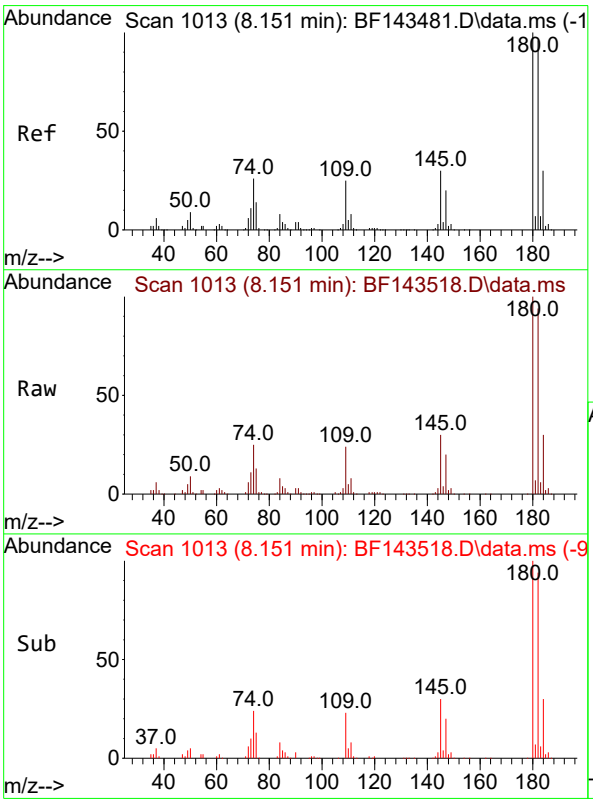
#29
2,4-Dichlorophenol
Concen: 40.285 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 260040

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.5	83.5
98	36.5	15.1	55.1

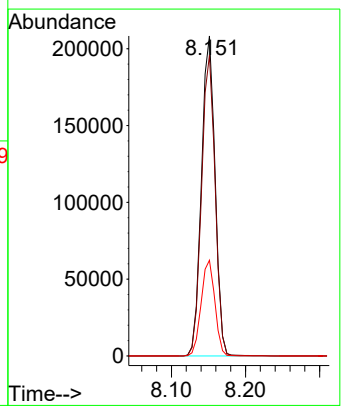


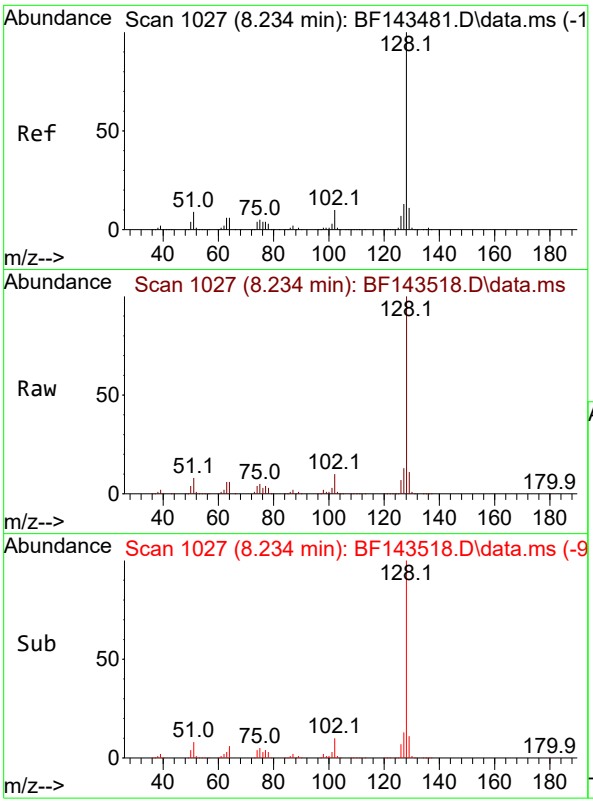


#30
1,2,4-Trichlorobenzene
Concen: 40.066 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:180 Resp: 265906

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	29.9	24.3	36.5



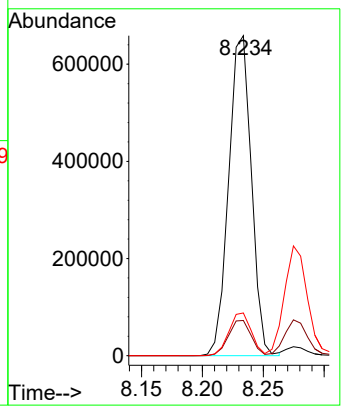


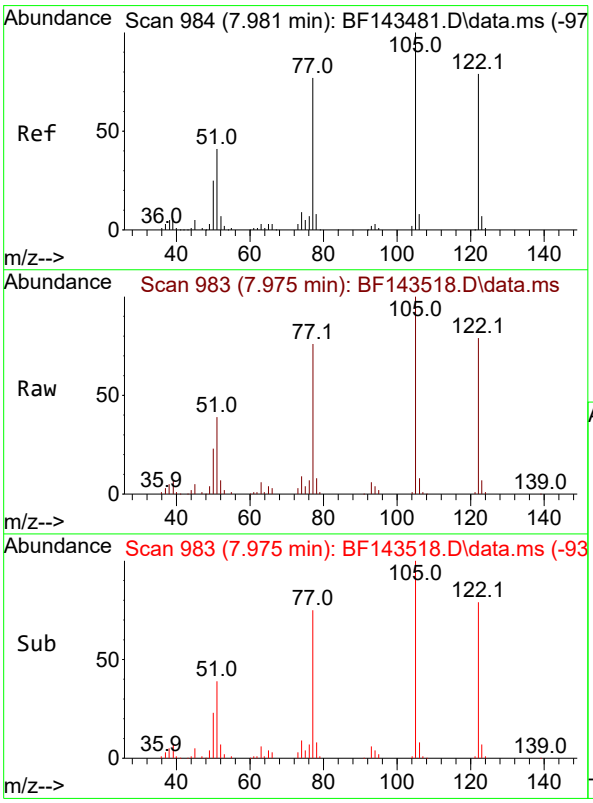
#31
Naphthalene
Concen: 39.587 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 852935

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	16.0

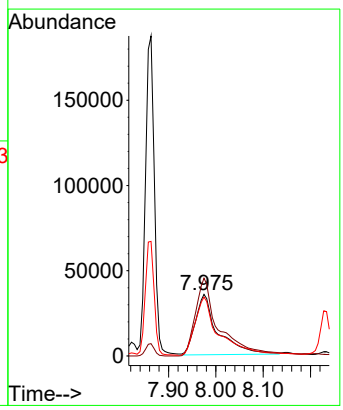


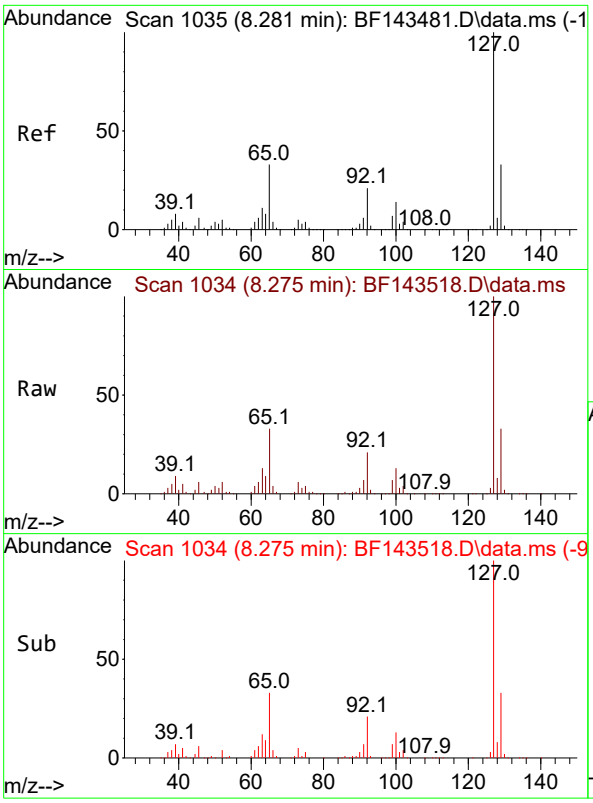


#32
Benzoic acid
Concen: 35.717 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.035 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:122 Resp: 117106

Ion	Ratio	Lower	Upper
122	100		
105	126.4	104.7	144.7
77	95.8	77.3	117.3



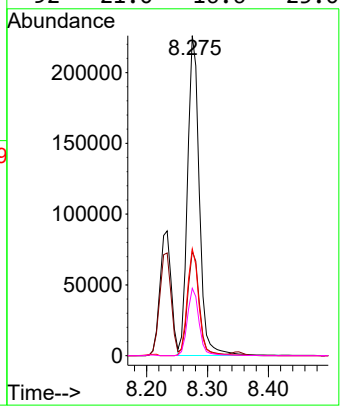


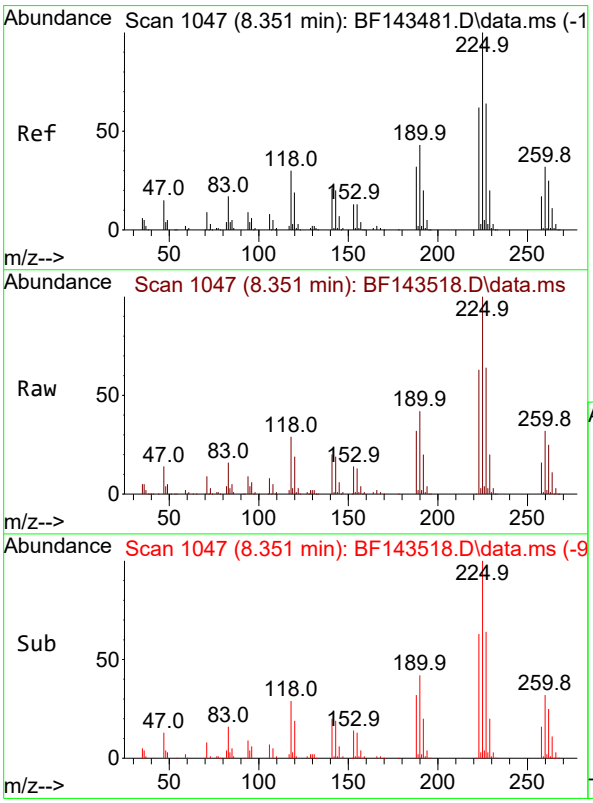
#33
4-Chloroaniline
Concen: 39.804 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 304385

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	33.4	26.2	39.2
92	21.0	16.6	25.0

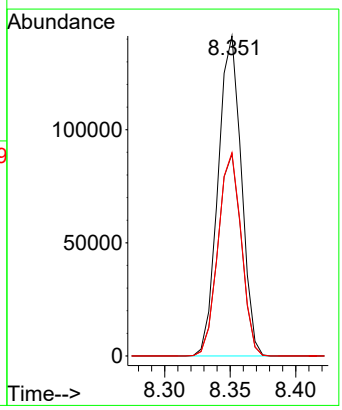


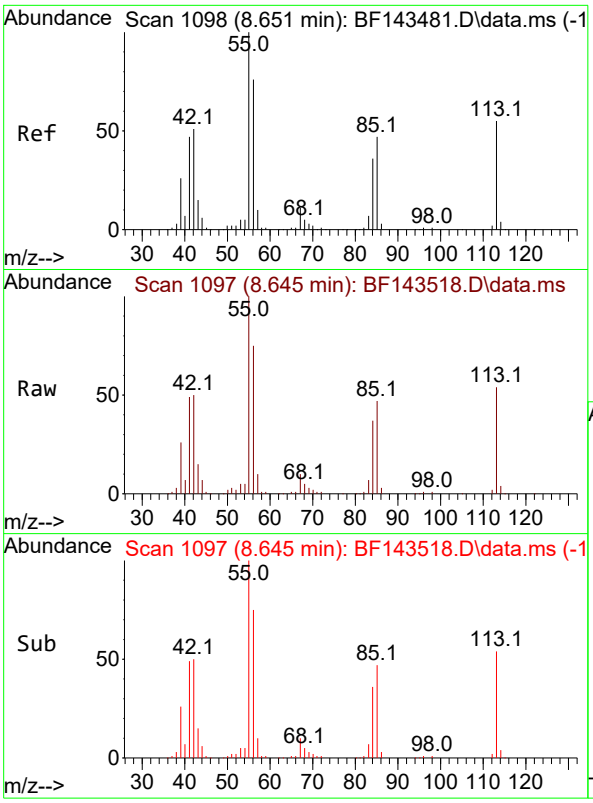


#34
Hexachlorobutadiene
Concen: 40.194 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:225 Resp: 174035

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.9	74.9
227	63.6	50.9	76.3



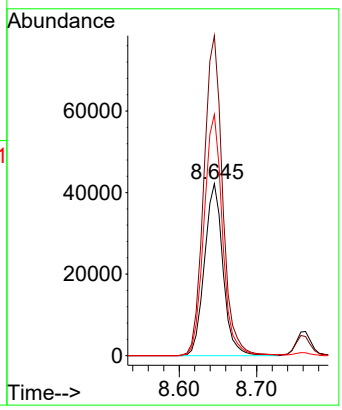


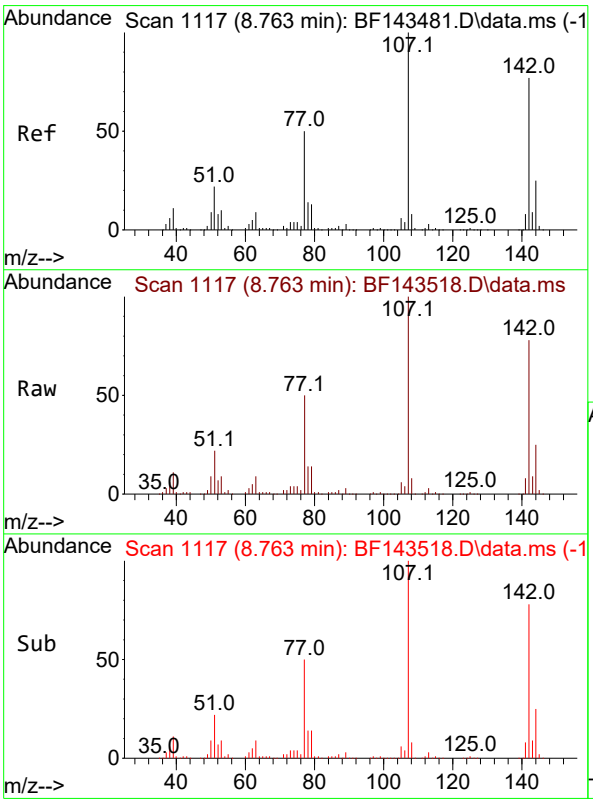
#35
Caprolactam
Concen: 45.135 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 69912

Ion	Ratio	Lower	Upper
113	100		
55	186.1	162.8	202.8
56	140.2	118.1	158.1

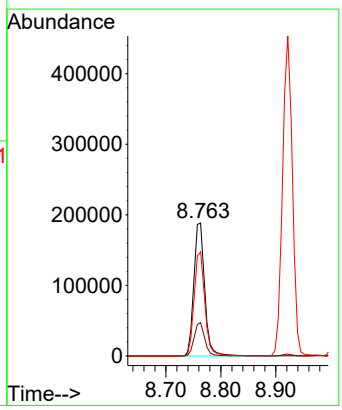


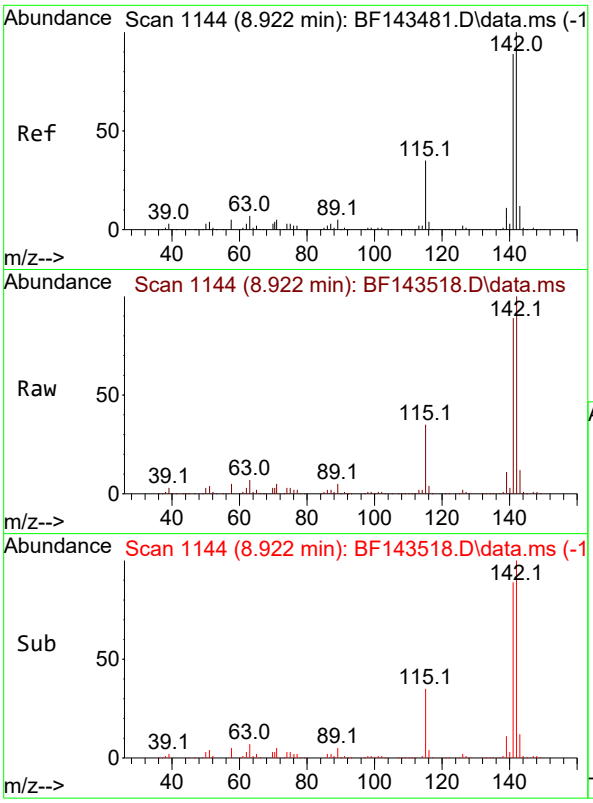


#36
4-Chloro-3-methylphenol
Concen: 40.144 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:107 Resp: 259690

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.9	29.9
142	78.3	61.8	92.8



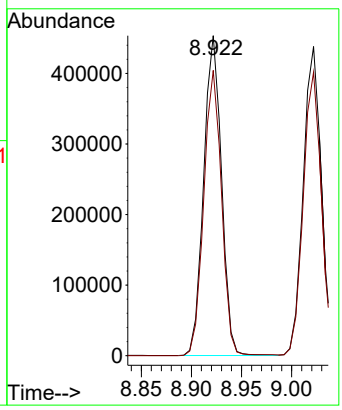


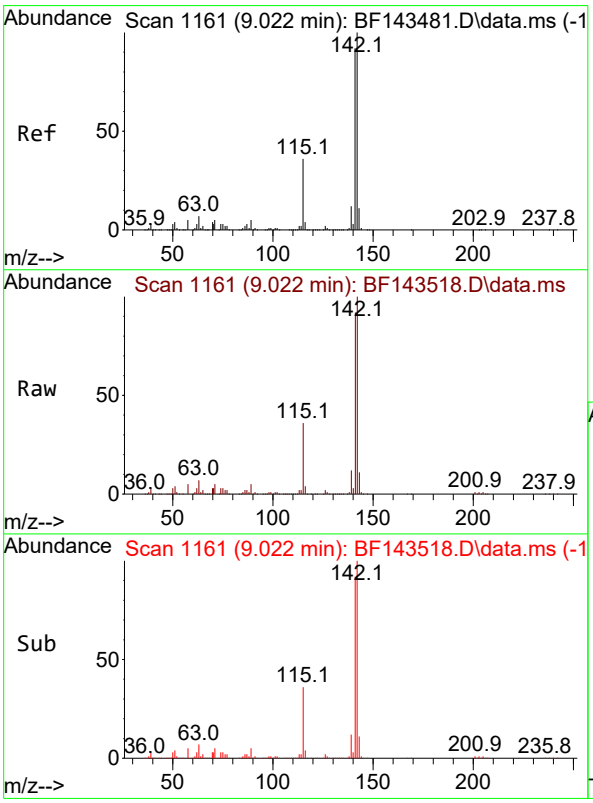
#37
2-Methylnaphthalene
Concen: 39.089 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 562491

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.4

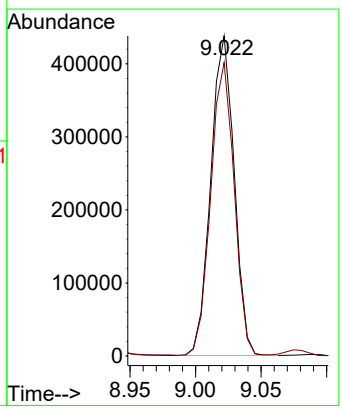


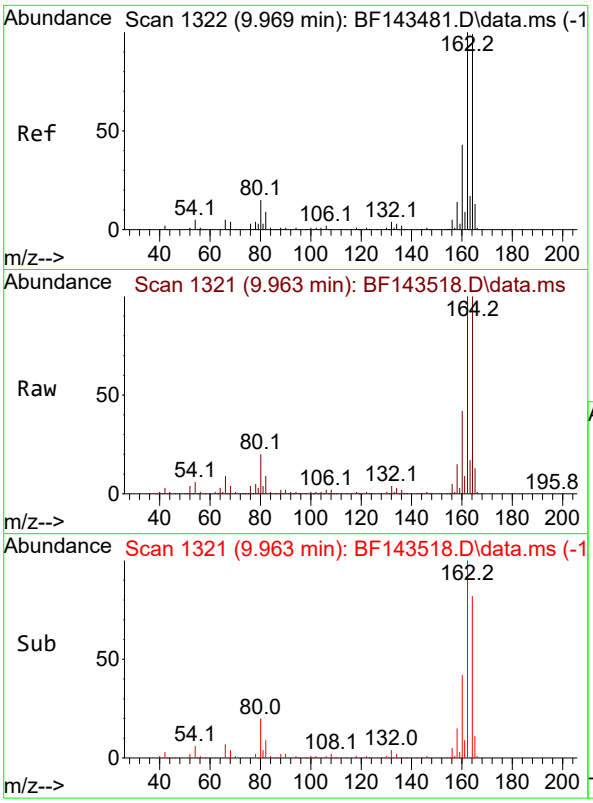


#38
1-Methylnaphthalene
Concen: 39.436 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:142 Resp: 542827

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.3	109.9



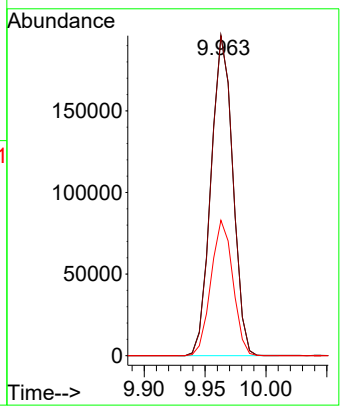


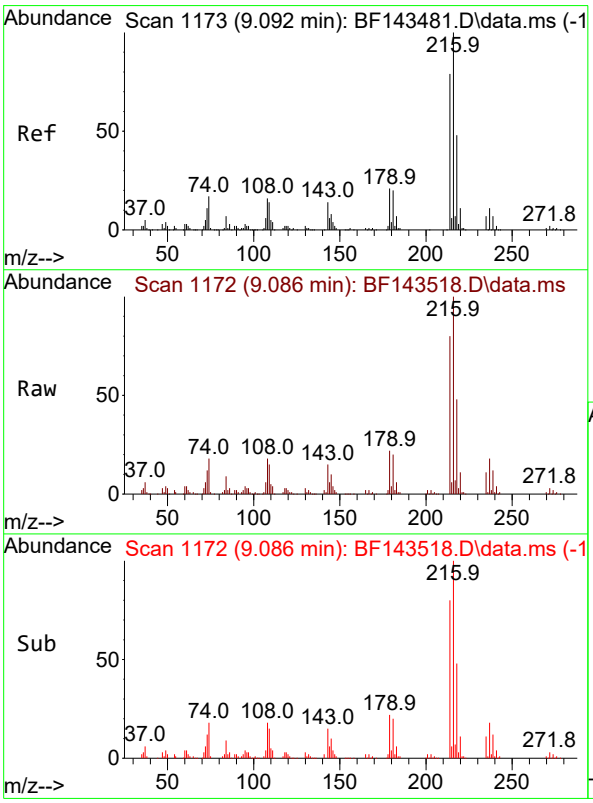
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 244595

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.5	120.7
160	42.3	34.3	51.5

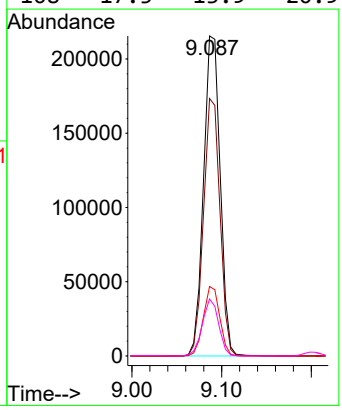


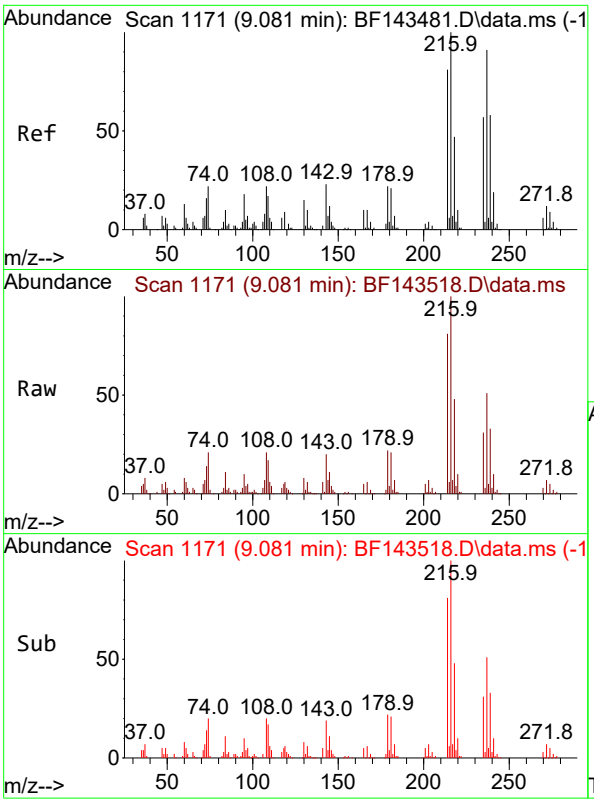


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.693 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:216 Resp: 277705

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.4	95.0
179	21.3	16.5	24.7
108	17.5	13.9	20.9



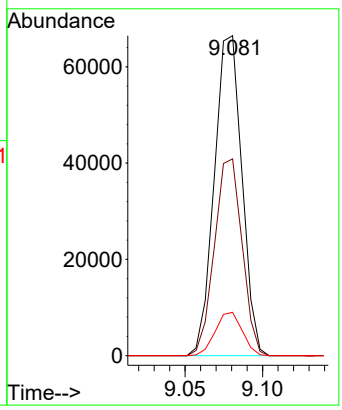


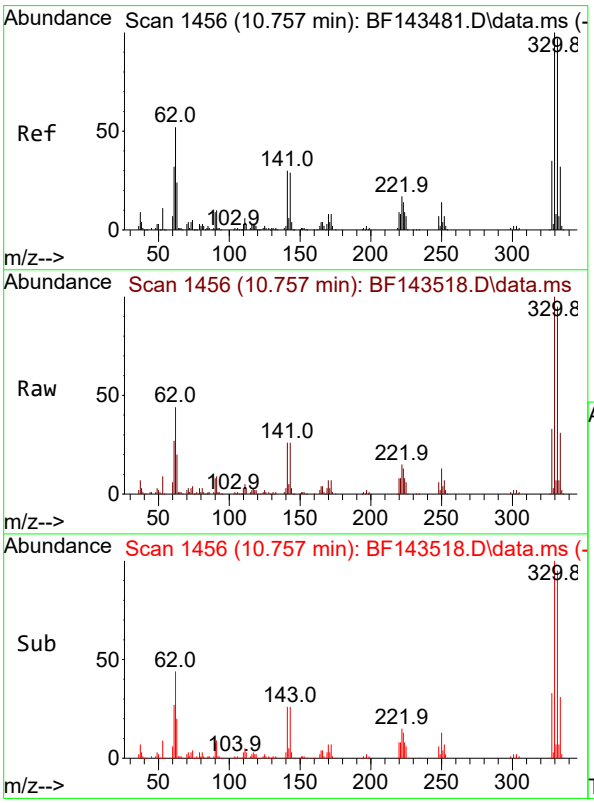
#41
Hexachlorocyclopentadiene
Concen: 34.356 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 82522

Ion	Ratio	Lower	Upper
237	100		
235	61.5	42.6	82.6
272	13.6	0.0	33.4

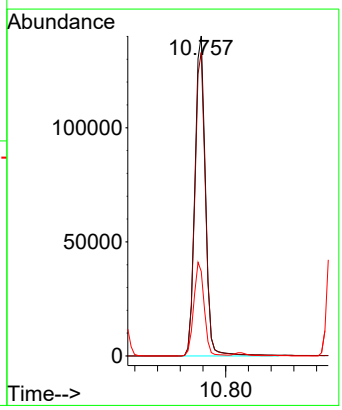


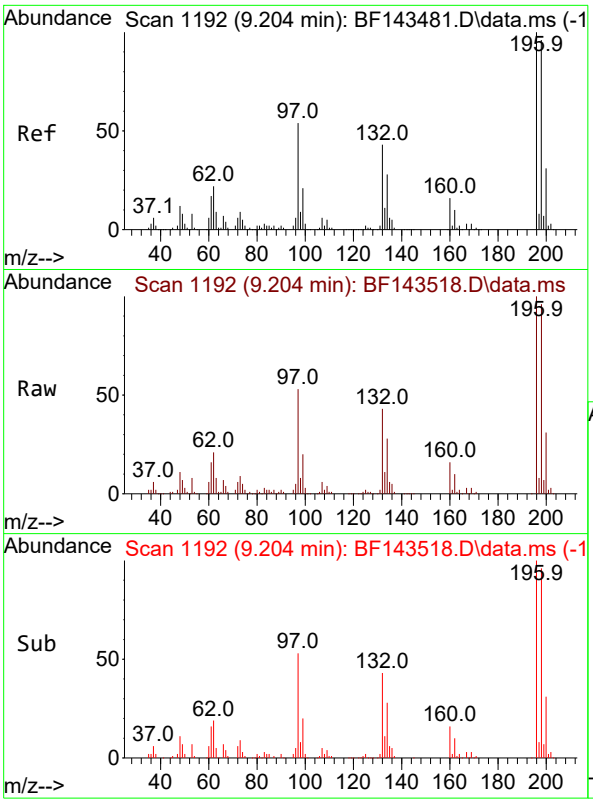


#42
2,4,6-Tribromophenol
Concen: 79.836 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:330 Resp: 181773

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	29.0	23.7	35.5



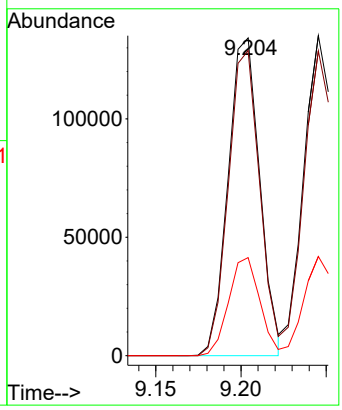


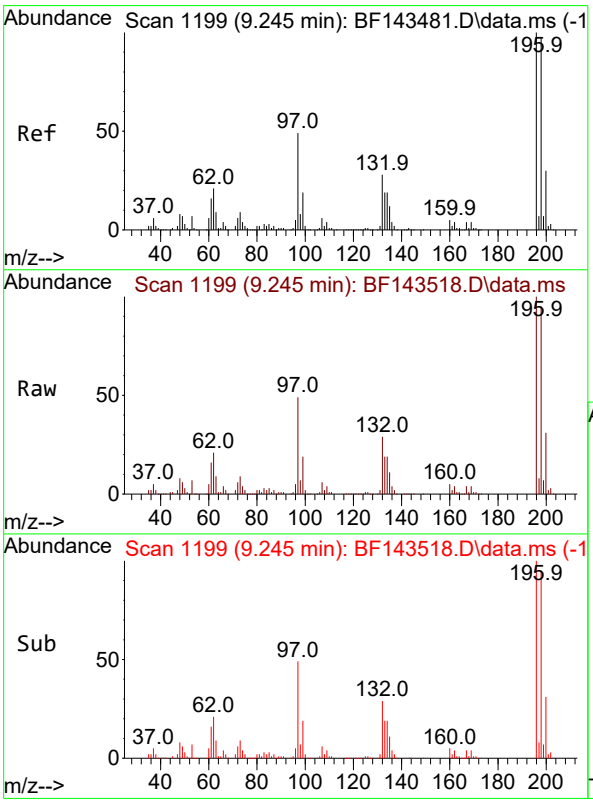
#43
2,4,6-Trichlorophenol
Concen: 40.335 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 173645

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.0	115.4
200	30.9	24.6	37.0

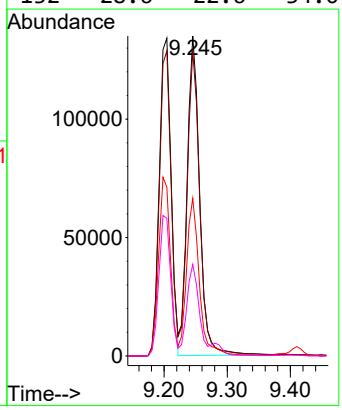


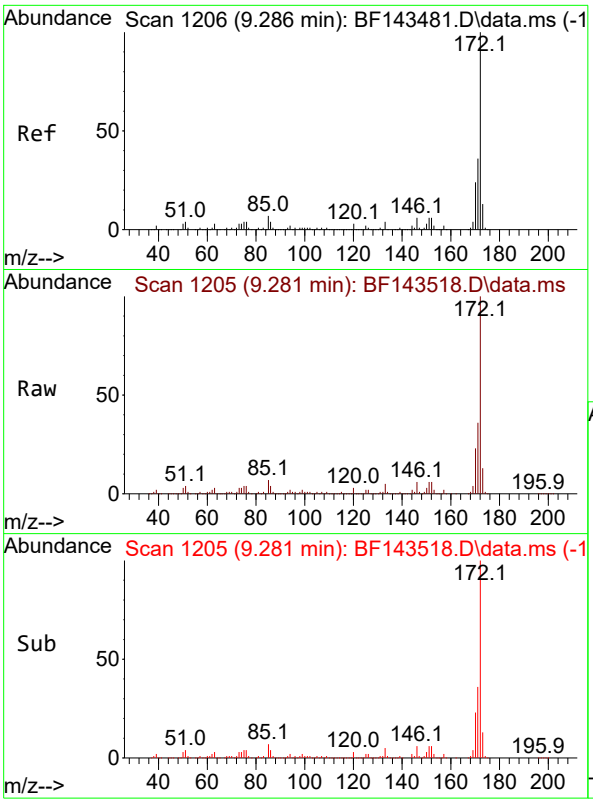


#44
2,4,5-Trichlorophenol
Concen: 39.568 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:196 Resp: 186067

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	49.2	40.0	60.0
132	28.6	22.6	34.0



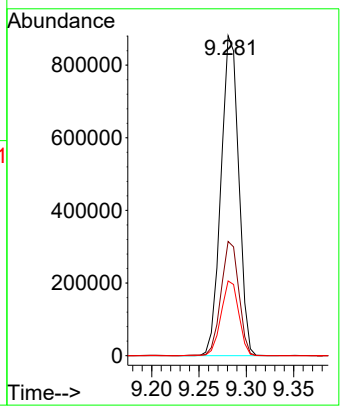


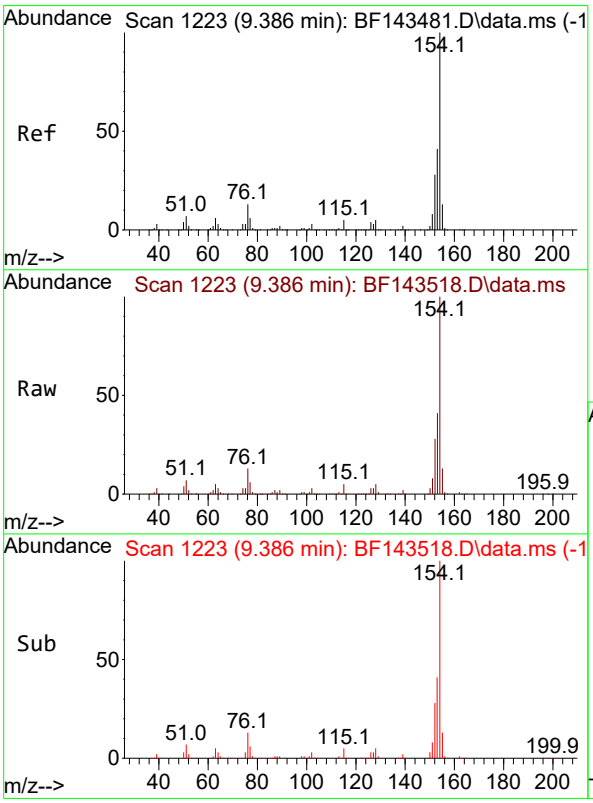
#45
2-Fluorobiphenyl
Concen: 77.819 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1151723

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.4	18.8	28.2

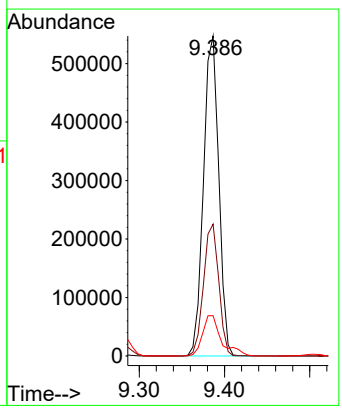


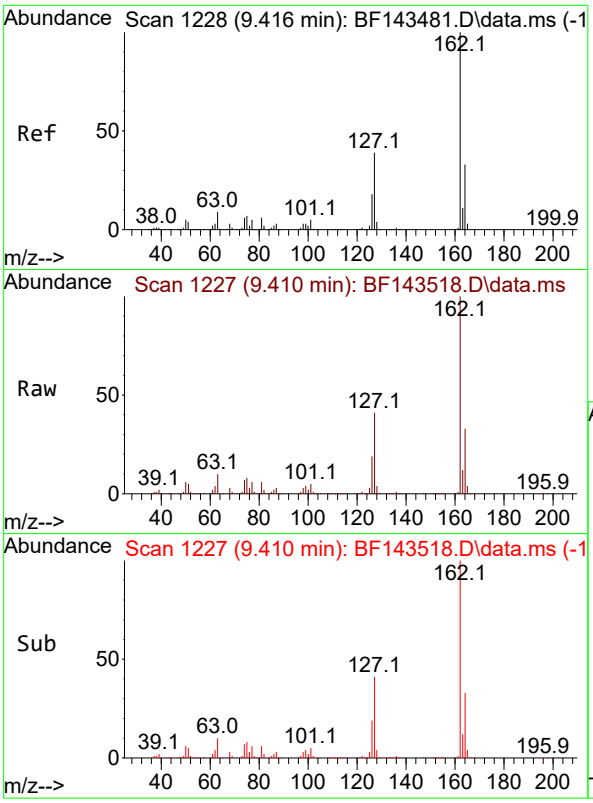


#46
1,1'-Biphenyl
Concen: 39.203 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:154 Resp: 680592

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.6	60.6
76	12.6	0.0	33.0



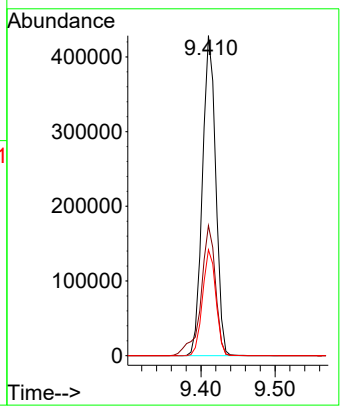


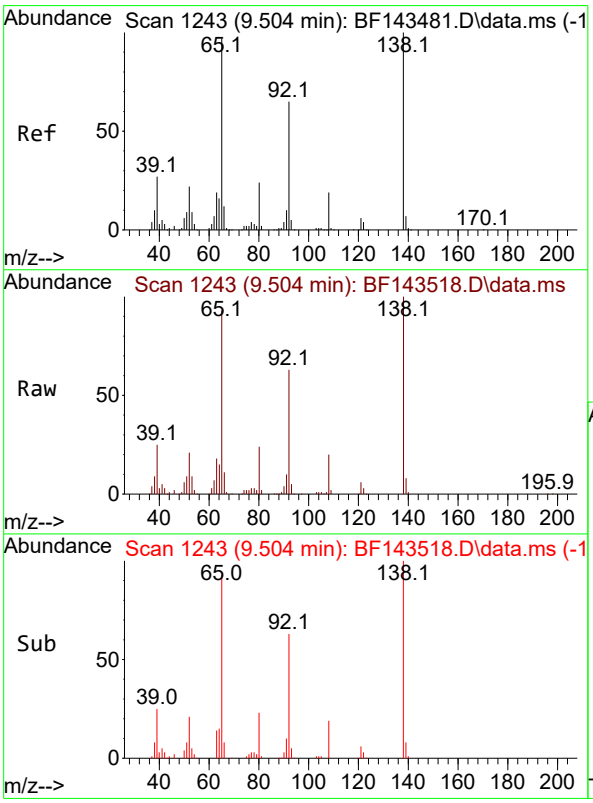
#47
2-Chloronaphthalene
Concen: 39.372 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 536315

Ion	Ratio	Lower	Upper
162	100		
127	40.7	31.8	47.6
164	33.1	26.4	39.6

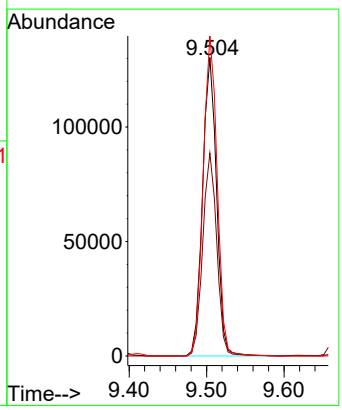


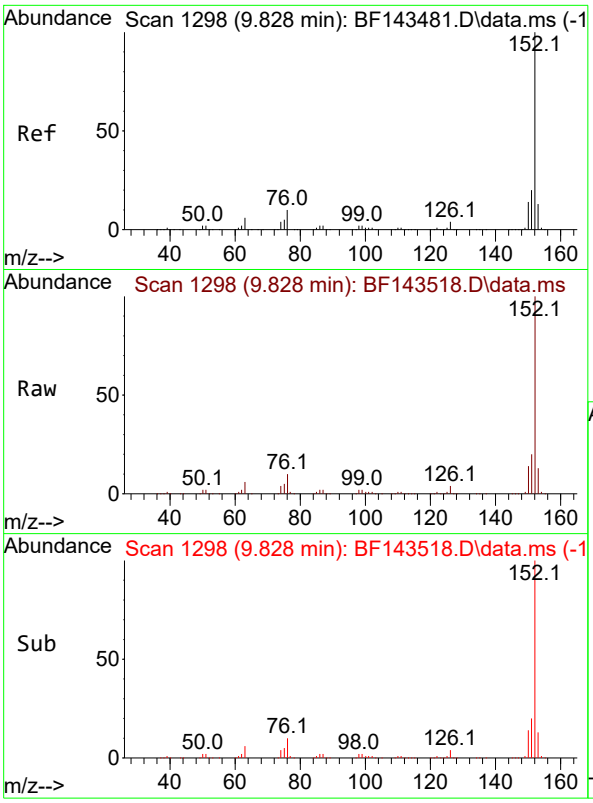


#48
2-Nitroaniline
Concen: 41.078 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion: 65 Resp: 163759

Ion	Ratio	Lower	Upper
65	100		
92	67.9	53.8	80.6
138	107.2	82.4	123.6



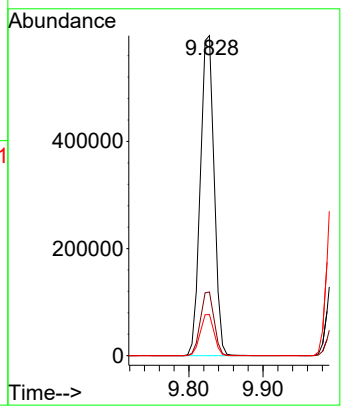


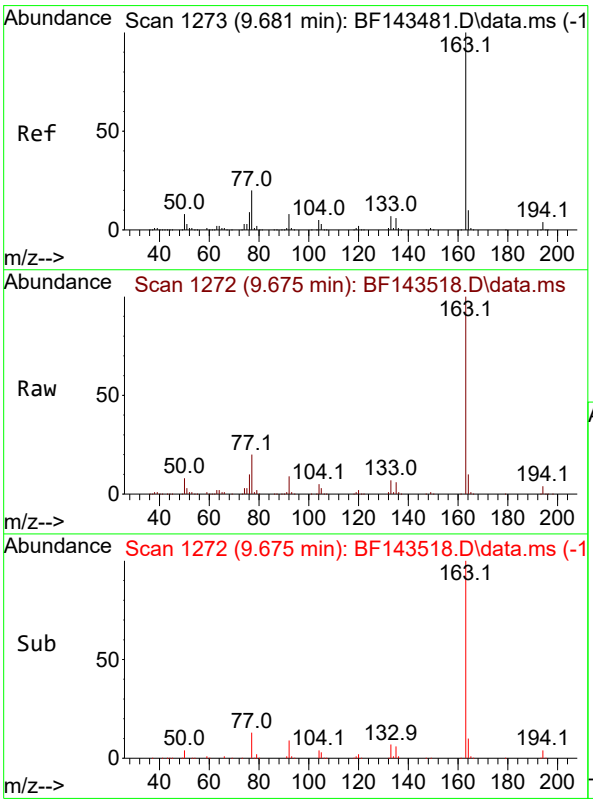
#49
Acenaphthylene
Concen: 39.570 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 771789

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	12.8	10.6	15.8

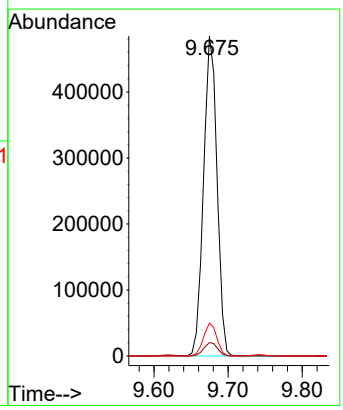


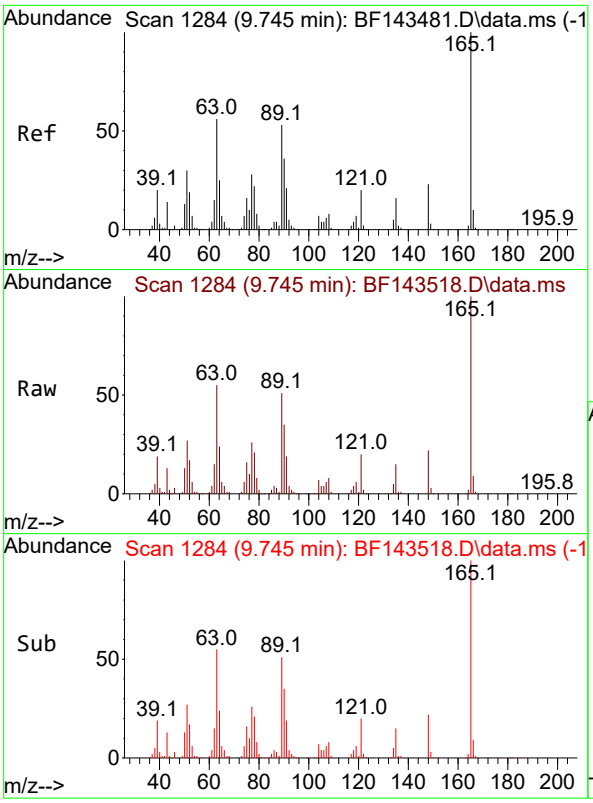


#50
Dimethylphthalate
Concen: 41.504 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:163 Resp: 611411

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.2



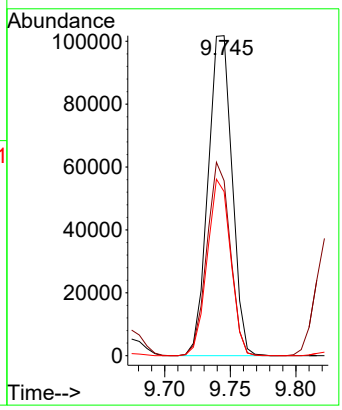


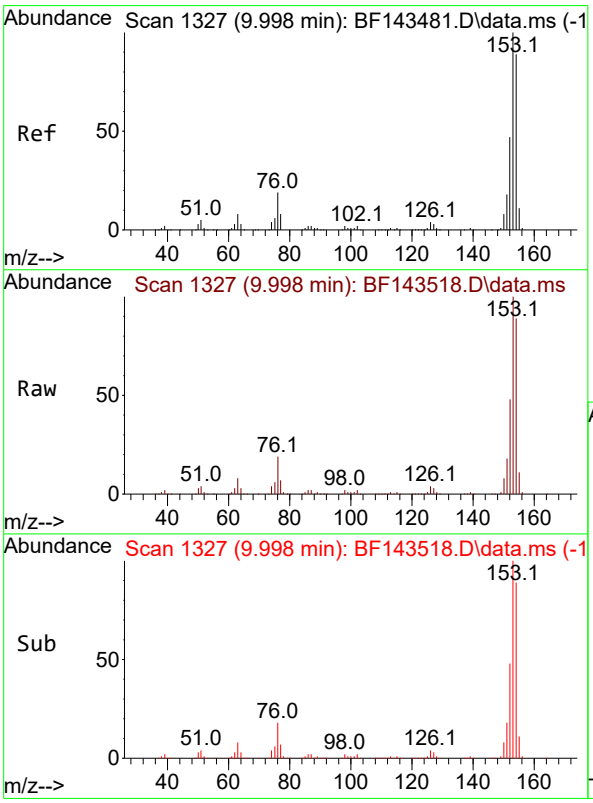
#51
2,6-Dinitrotoluene
Concen: 42.495 ng
RT: 9.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 129744

Ion	Ratio	Lower	Upper
165	100		
63	54.6	45.0	67.6
89	51.3	42.5	63.7

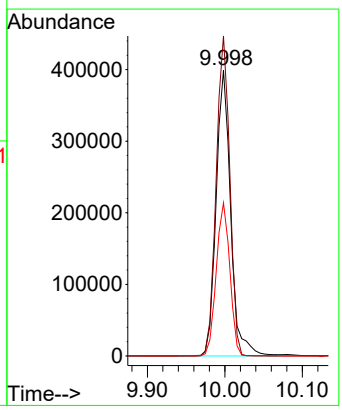


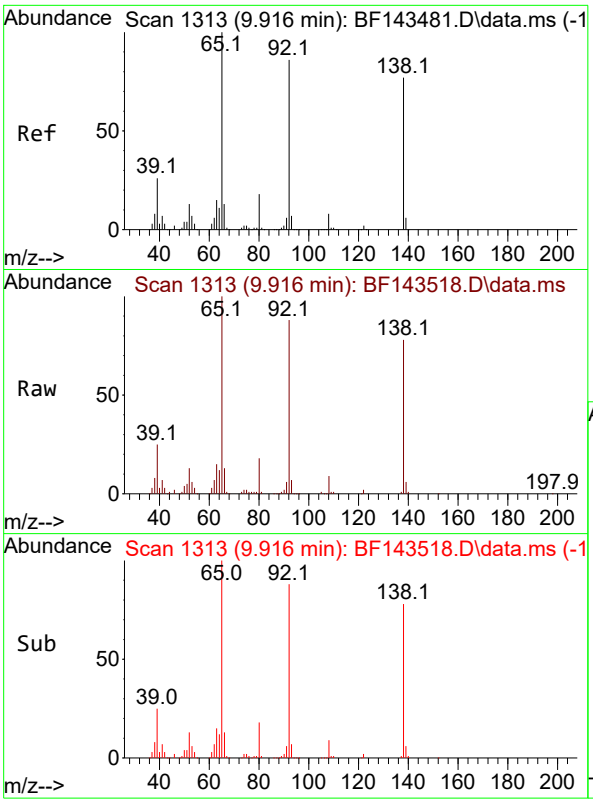


#52
Acenaphthene
Concen: 39.417 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:154 Resp: 521988

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	53.5	42.5	63.7



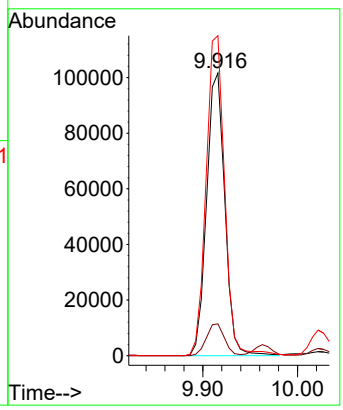


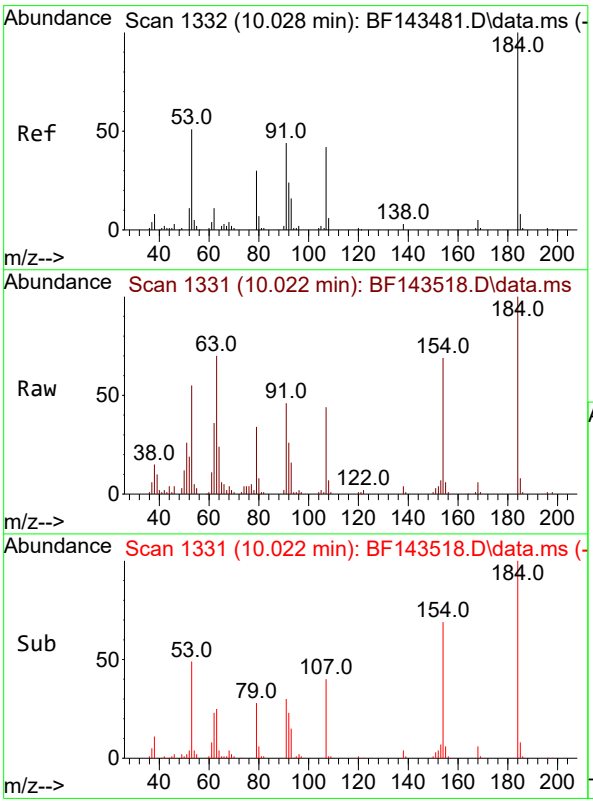
#53
3-Nitroaniline
Concen: 41.155 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 135772

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	13.0
92	113.2	89.8	134.8

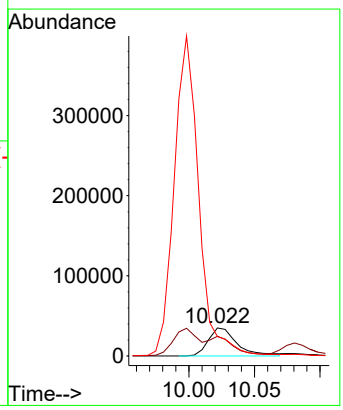


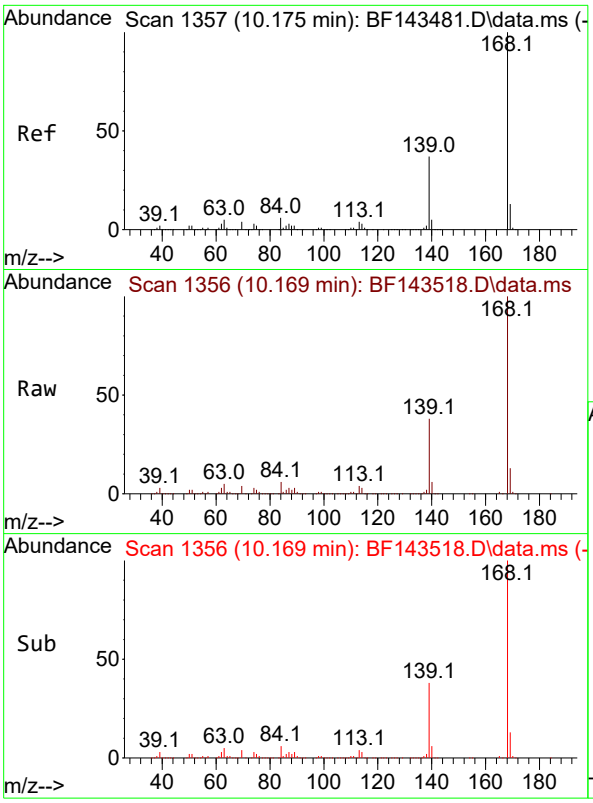


#54
2,4-Dinitrophenol
Concen: 35.824 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:184 Resp: 53382

Ion	Ratio	Lower	Upper
184	100		
63	70.3	52.6	78.8
154	69.5	51.0	76.4



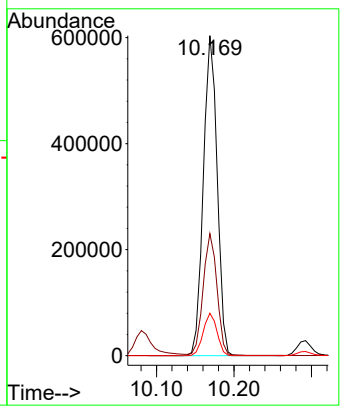


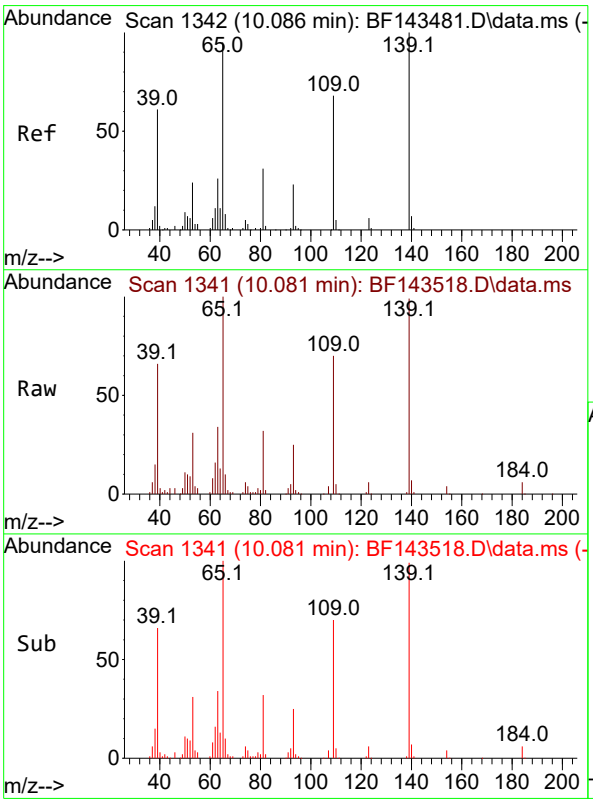
#55
Dibenzofuran
Concen: 39.509 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 745949

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.8	44.6
169	13.2	10.8	16.2

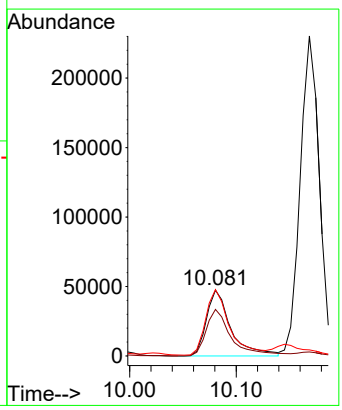


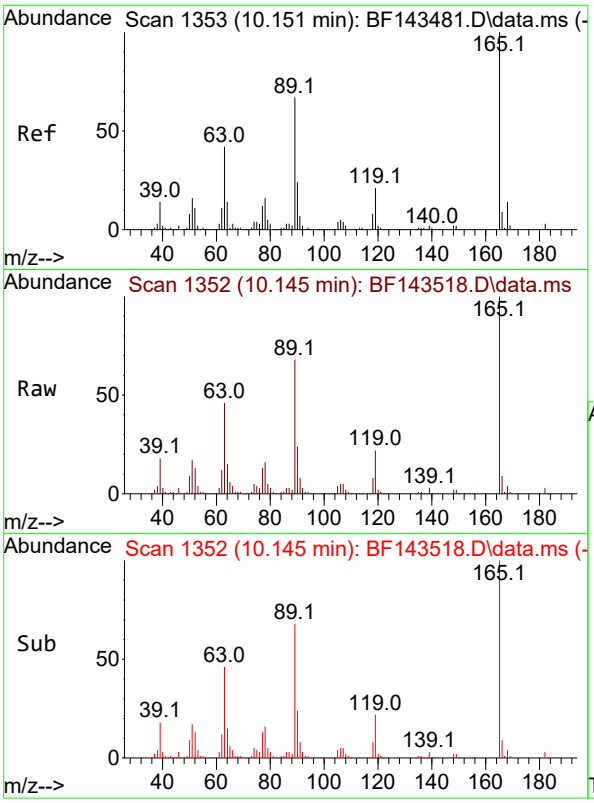


#56
4-Nitrophenol
Concen: 38.513 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:139 Resp: 75600

Ion	Ratio	Lower	Upper
139	100		
109	70.9	48.2	88.2
65	101.2	75.8	115.8



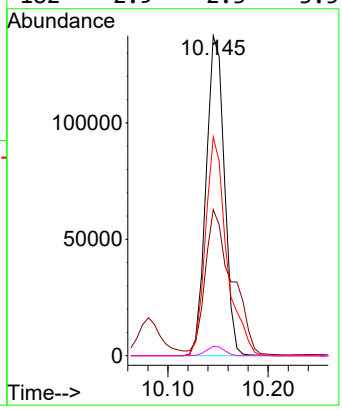


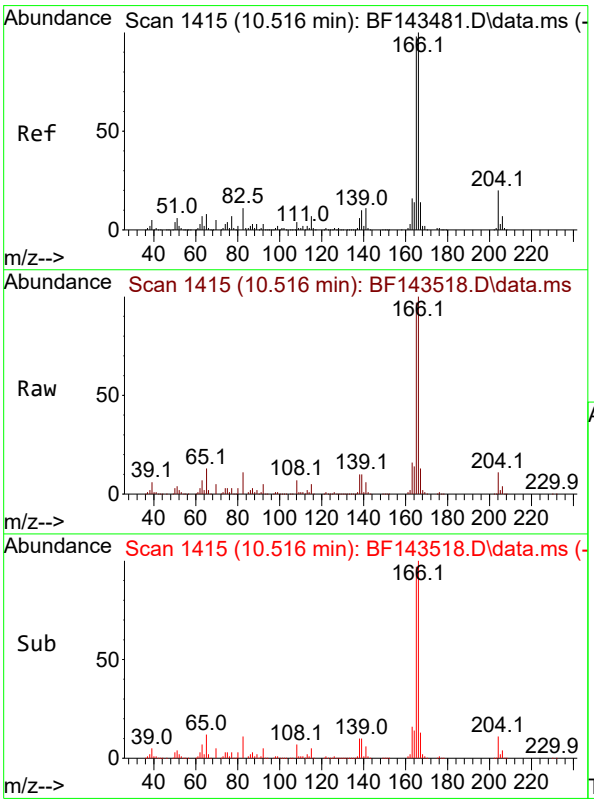
#57
2,4-Dinitrotoluene
Concen: 42.812 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 174534

Ion	Ratio	Lower	Upper
165	100		
63	45.7	34.9	52.3
89	68.4	53.3	79.9
182	2.9	2.3	3.5

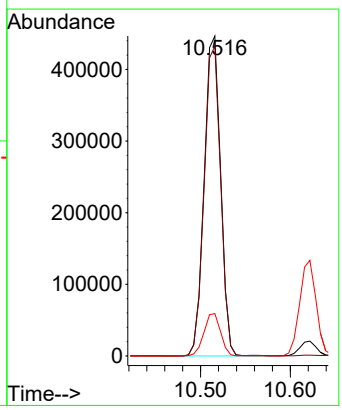


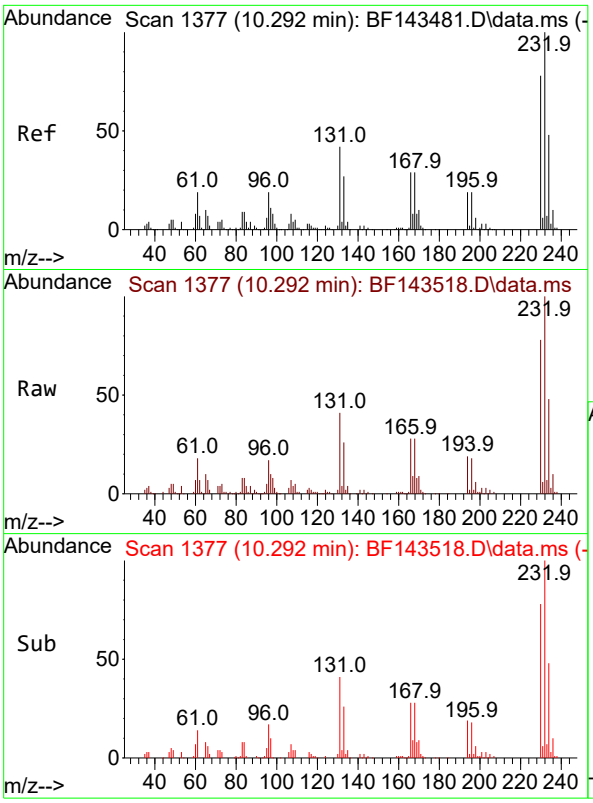


#58
Fluorene
Concen: 39.184 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:166 Resp: 569387

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.3	117.5
167	13.2	11.0	16.4



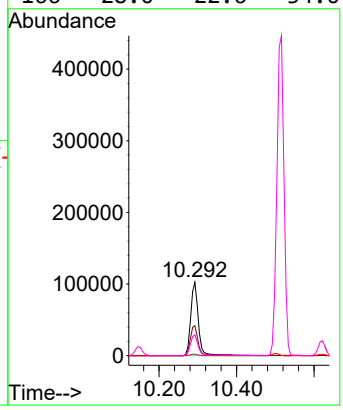


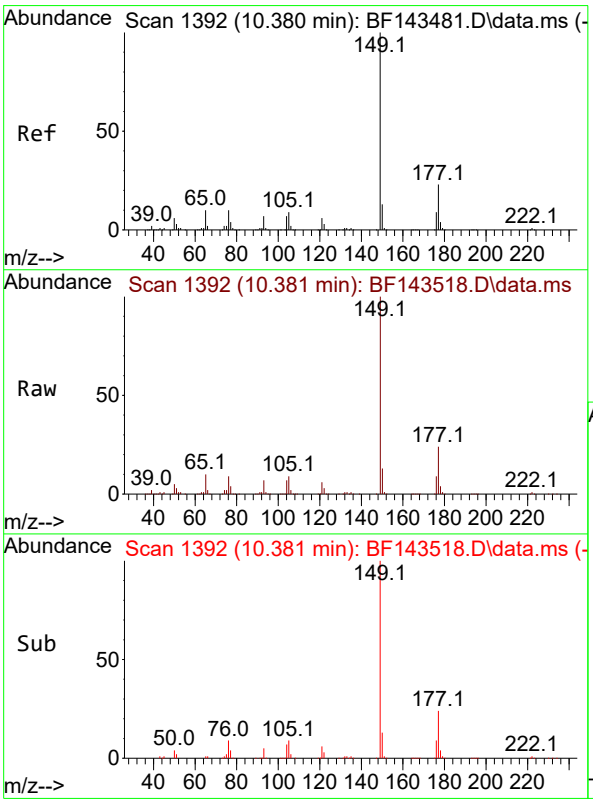
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.463 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 141362

Ion	Ratio	Lower	Upper
232	100		
131	40.6	32.7	49.1
130	2.0	1.6	2.4
166	28.0	22.6	34.0

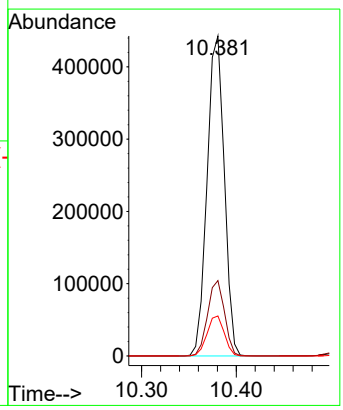


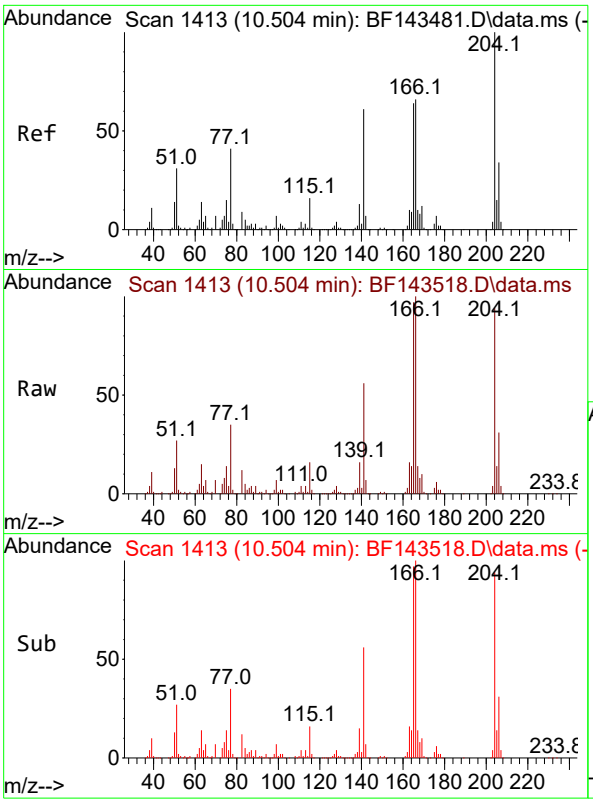


#60
Diethylphthalate
Concen: 42.212 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 557513

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.3	27.5
150	12.5	10.3	15.5



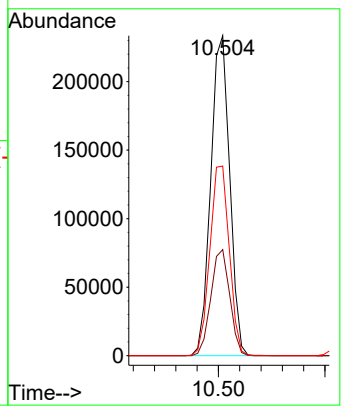


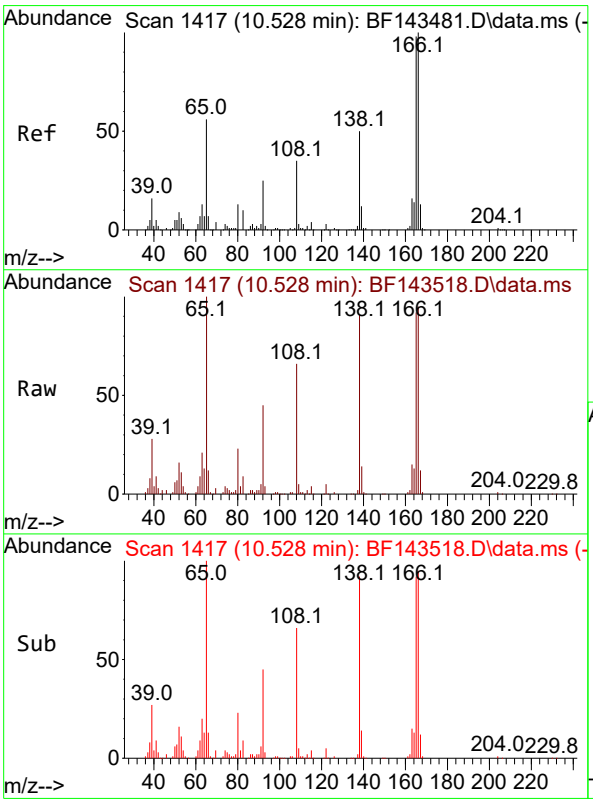
#61
4-Chlorophenyl-phenylether
Concen: 39.680 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 288368

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	59.3	48.7	73.1

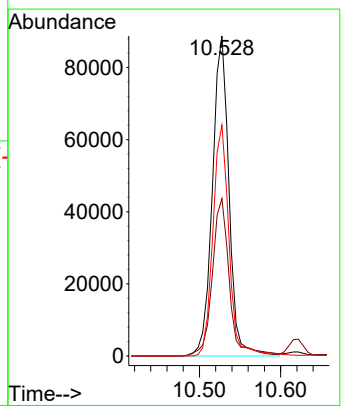


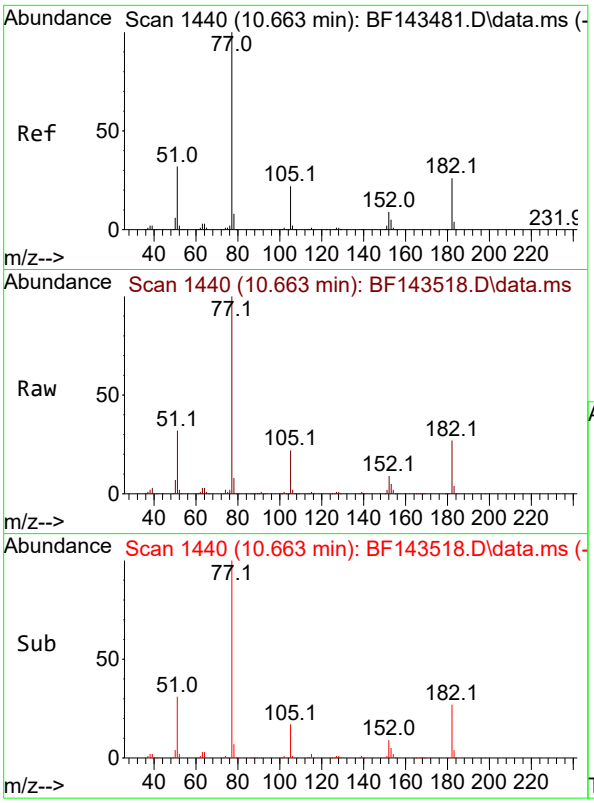


#62
4-Nitroaniline
Concen: 41.677 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:138 Resp: 126293

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.3	69.3
108	72.1	50.7	90.7



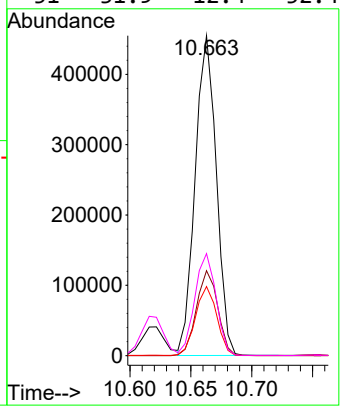


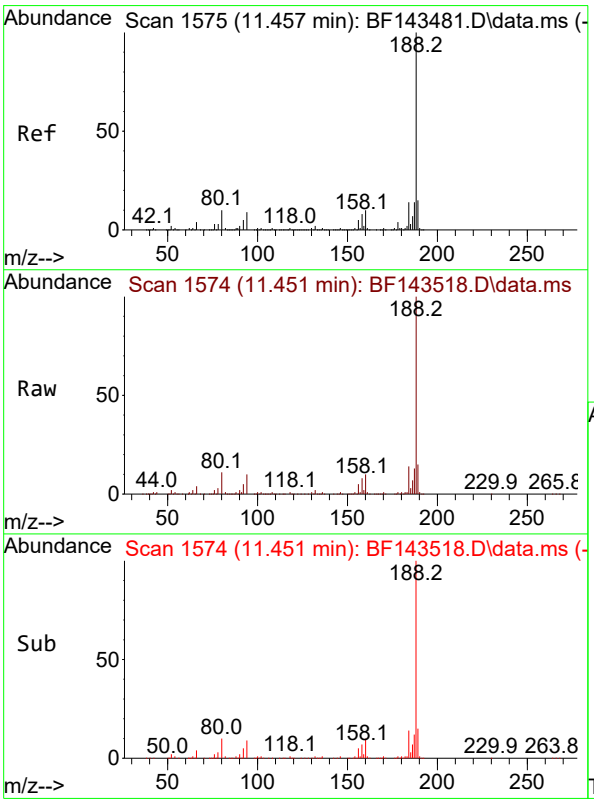
#63
Azobenzene
Concen: 40.129 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 549552

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.2	46.2
105	21.6	2.2	42.2
51	31.9	12.4	52.4

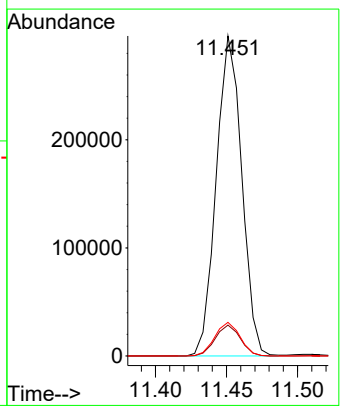


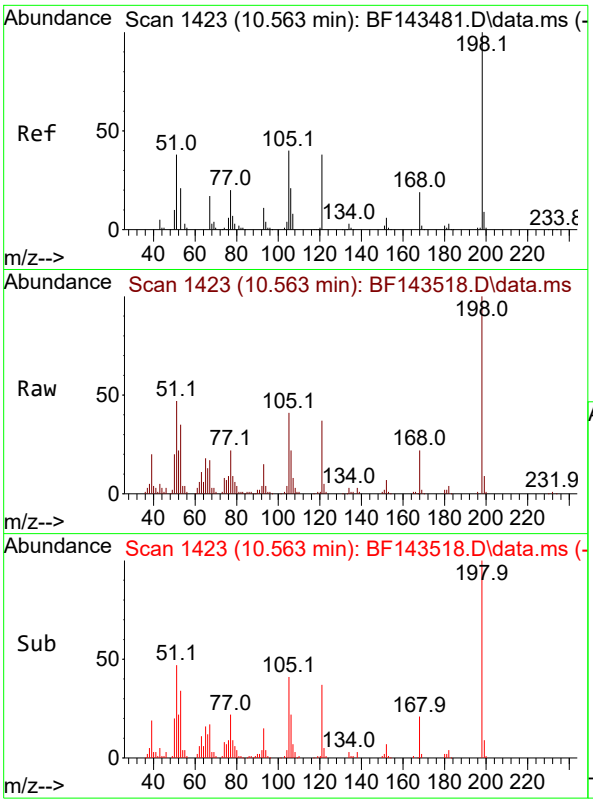


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:188 Resp: 369706

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.5	8.2	12.4



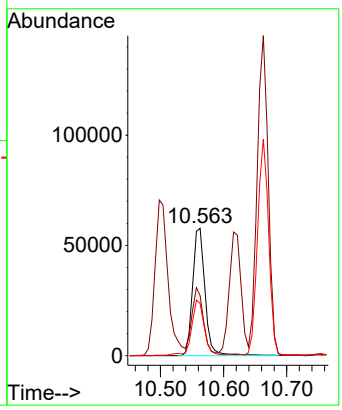


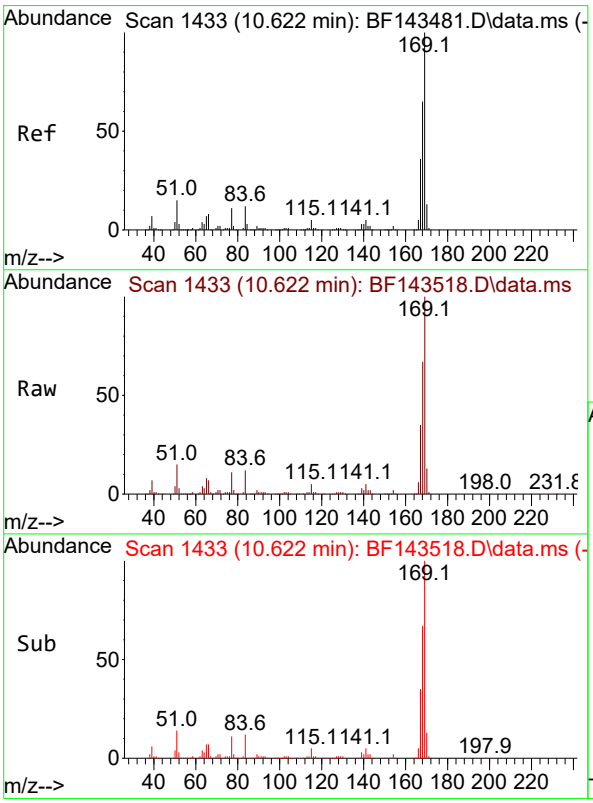
#65
4,6-Dinitro-2-methylphenol
Concen: 37.928 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 79062

Ion	Ratio	Lower	Upper
198	100		
51	47.1	29.6	69.6
105	41.0	21.5	61.5

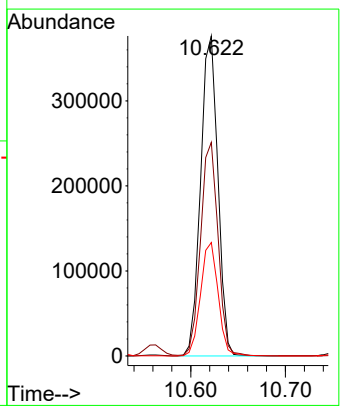


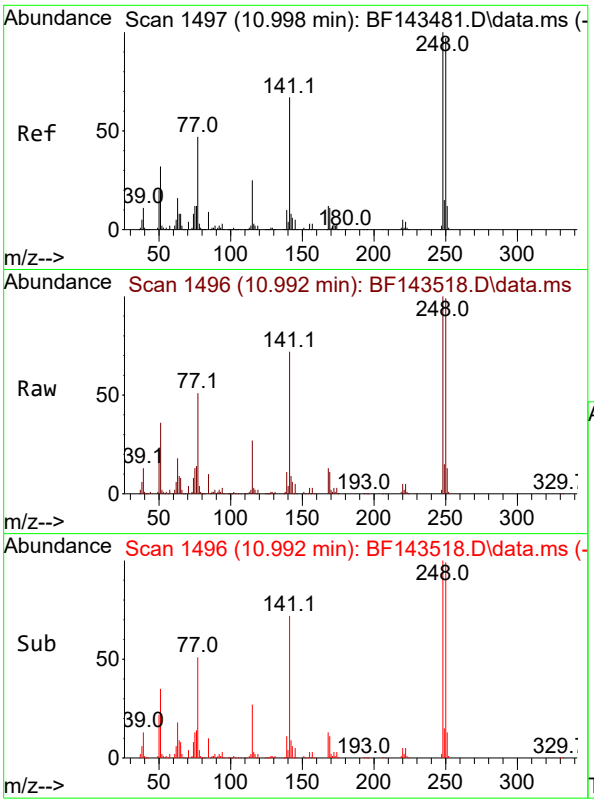


#66
n-Nitrosodiphenylamine
Concen: 40.110 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:169 Resp: 477218

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.4	78.6
167	35.5	28.9	43.3



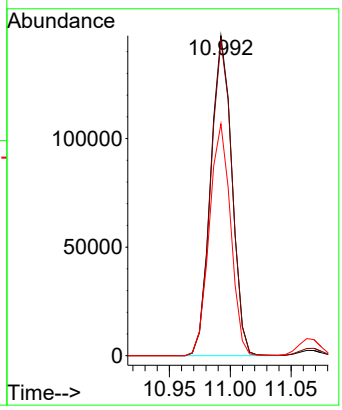


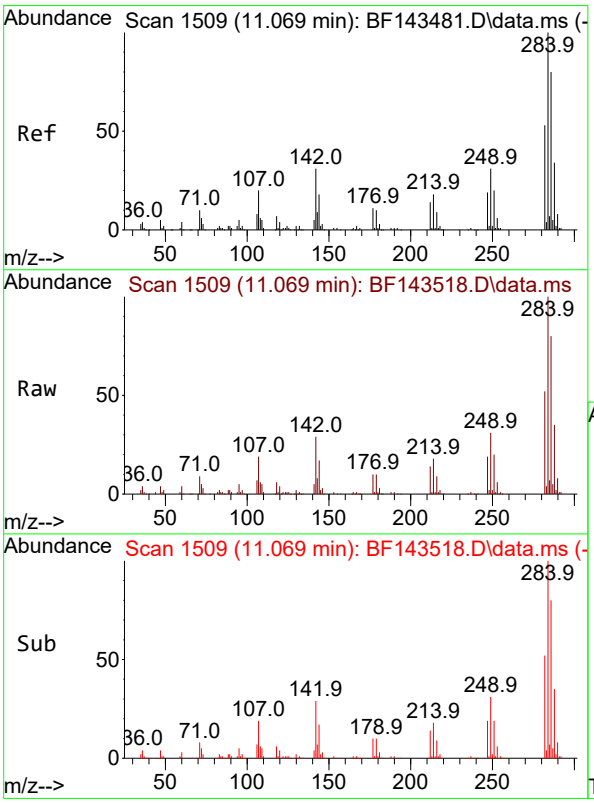
#67
4-Bromophenyl-phenylether
Concen: 40.542 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 178840

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.8	116.8
141	72.4	54.0	81.0

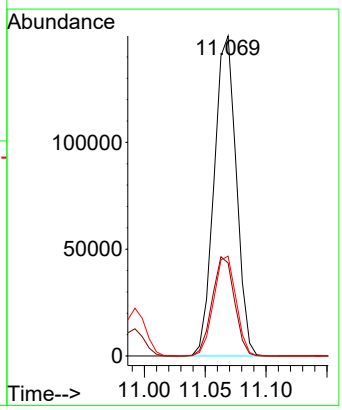


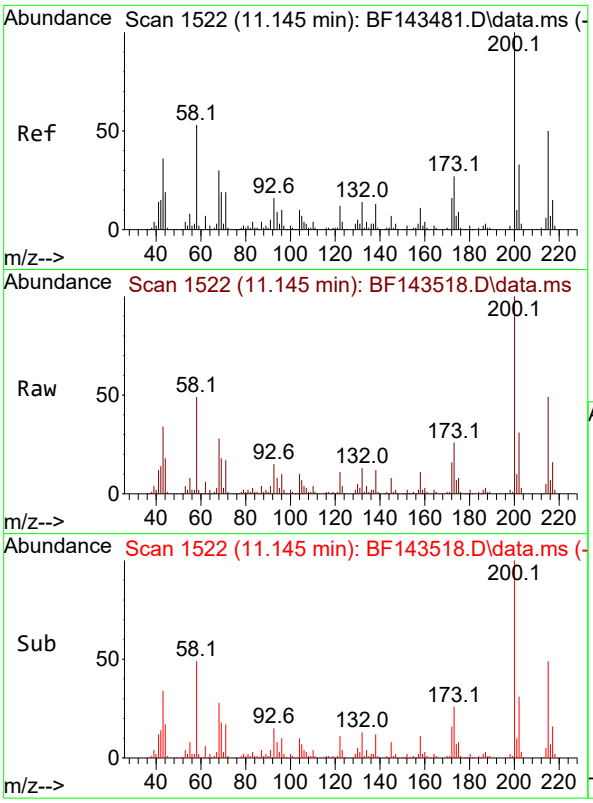


#68
Hexachlorobenzene
Concen: 39.979 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:284 Resp: 190099

Ion	Ratio	Lower	Upper
284	100		
142	29.0	24.4	36.6
249	31.2	25.0	37.6



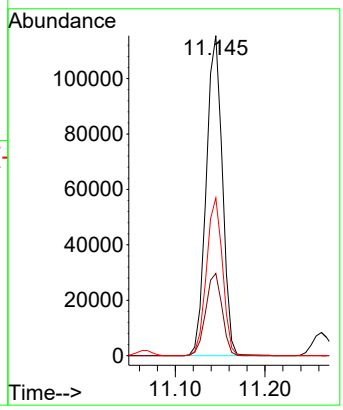


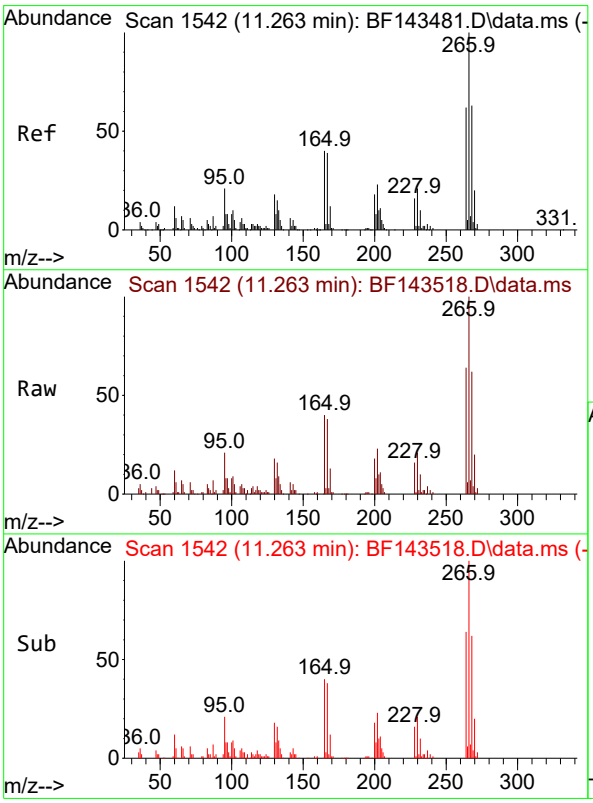
#69
Atrazine
Concen: 46.846 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 143876

Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.9	46.9
215	49.3	30.0	70.0

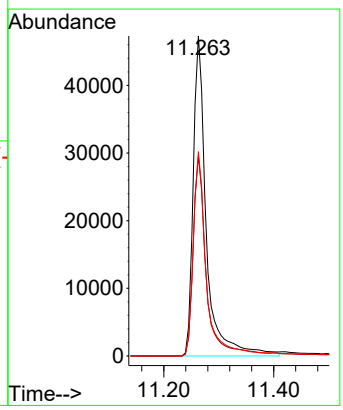


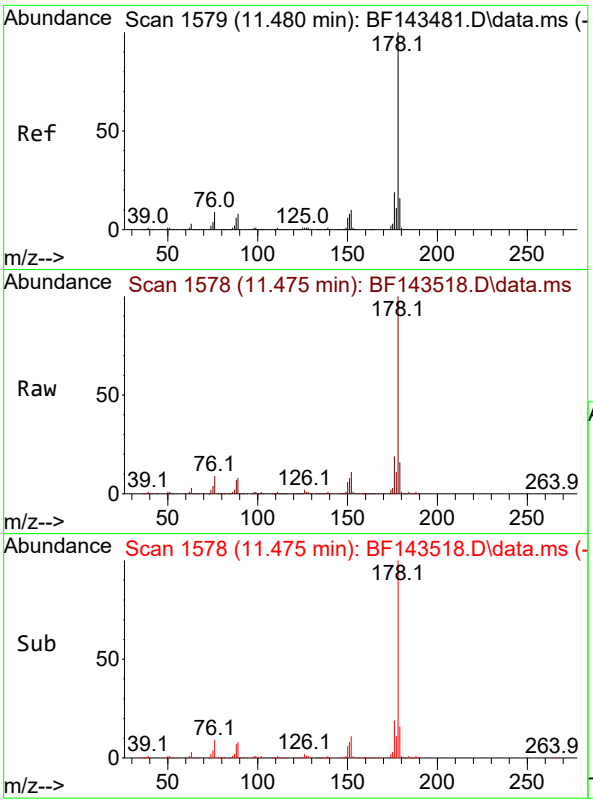


#70
Pentachlorophenol
Concen: 36.133 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:266 Resp: 78686

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.5	75.7
264	63.8	49.8	74.8



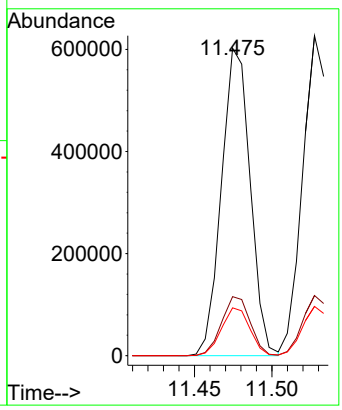


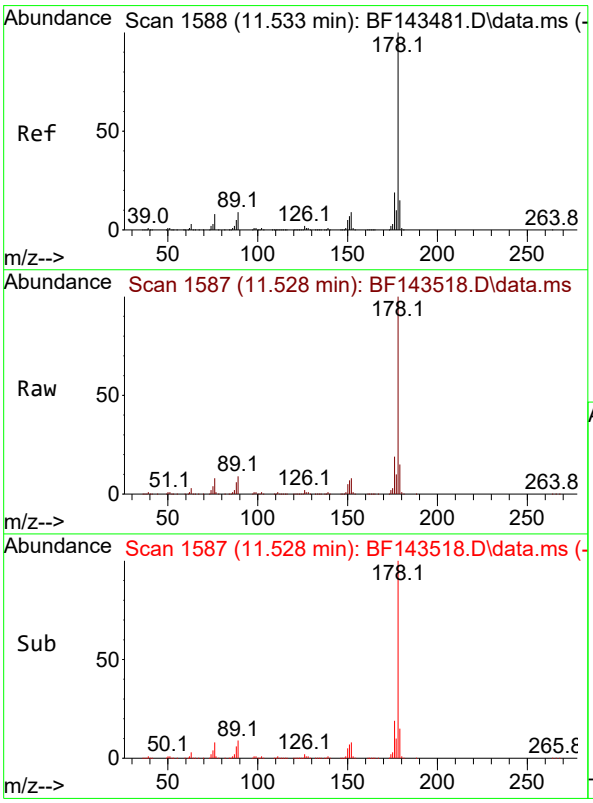
#71
Phenanthrene
Concen: 39.294 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 777957

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.5	18.7

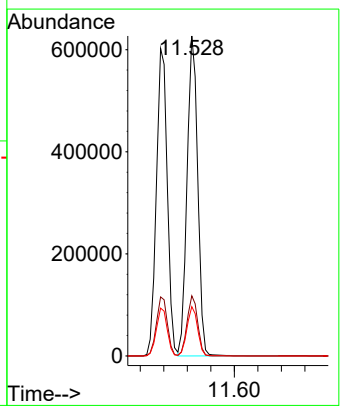


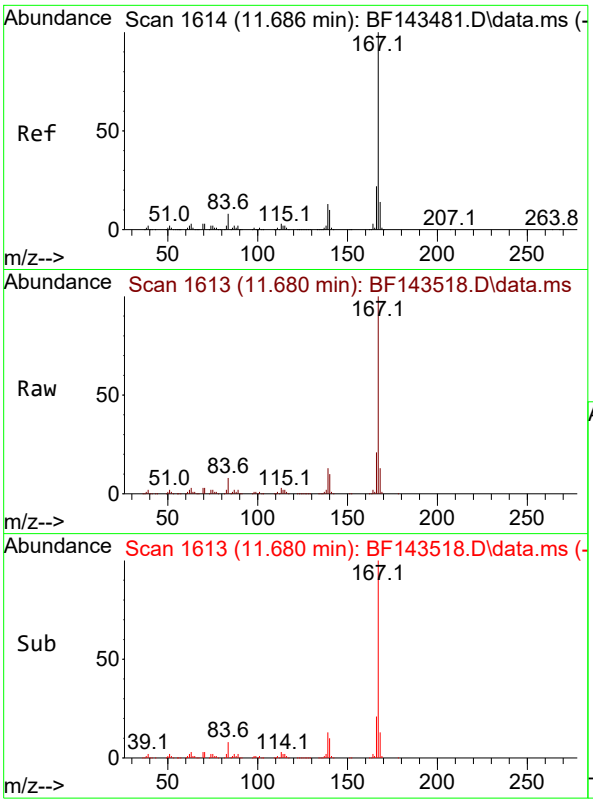


#72
Anthracene
Concen: 39.255 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:178 Resp: 787324

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.3	18.5



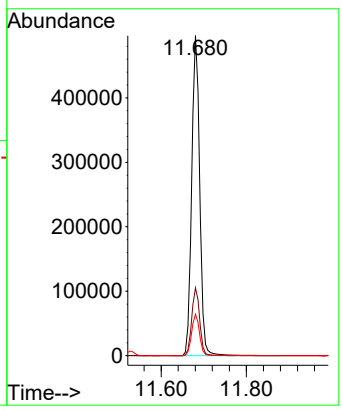


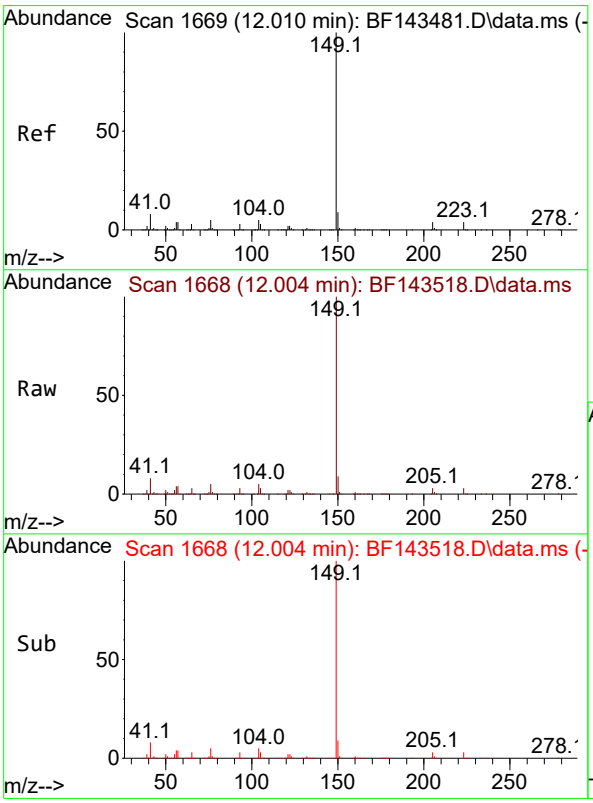
#73
Carbazole
Concen: 39.380 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 647183

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	13.0	10.0	15.0

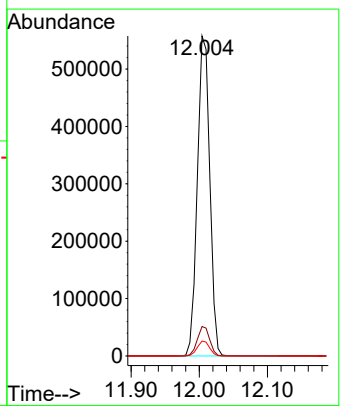


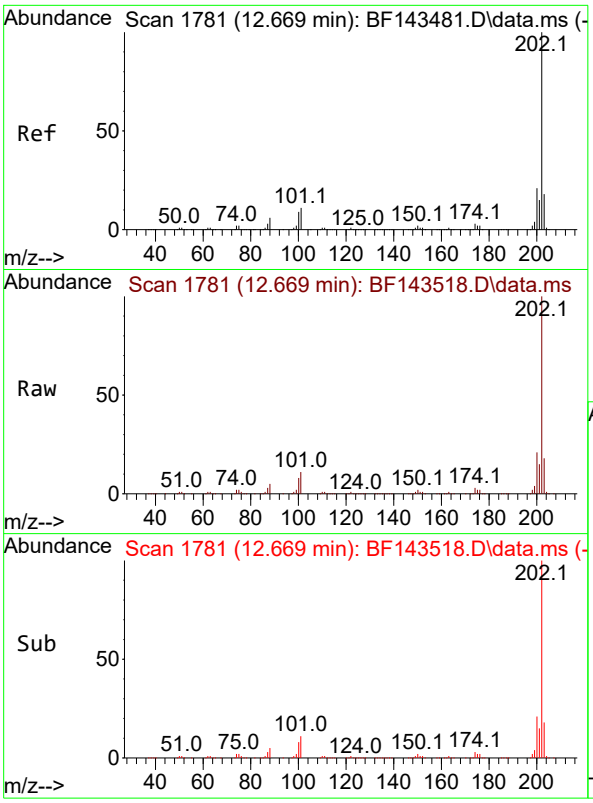


#74
Di-n-butylphthalate
Concen: 46.124 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 707138

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.7	3.6	5.4



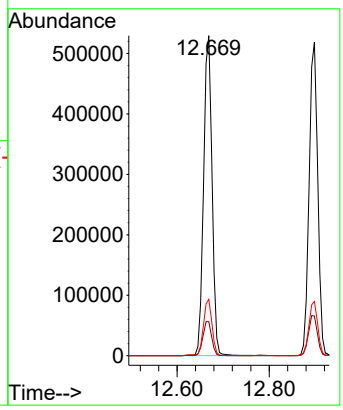


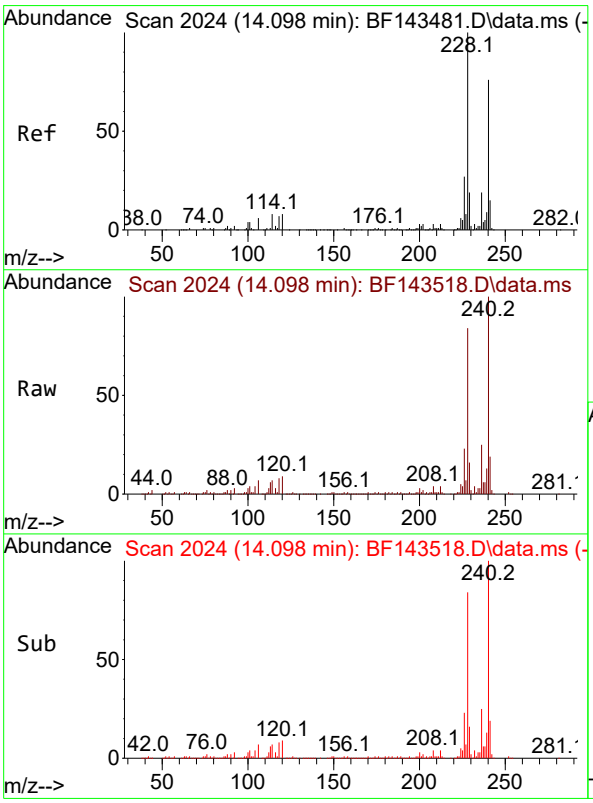
#75
Fluoranthene
Concen: 38.372 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 681682

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.6	0.0	37.9

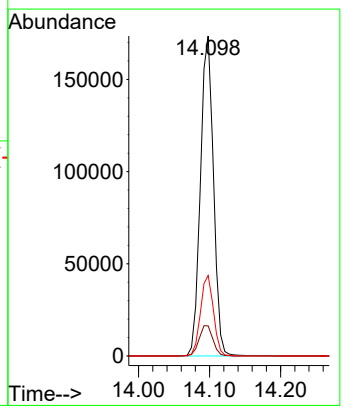


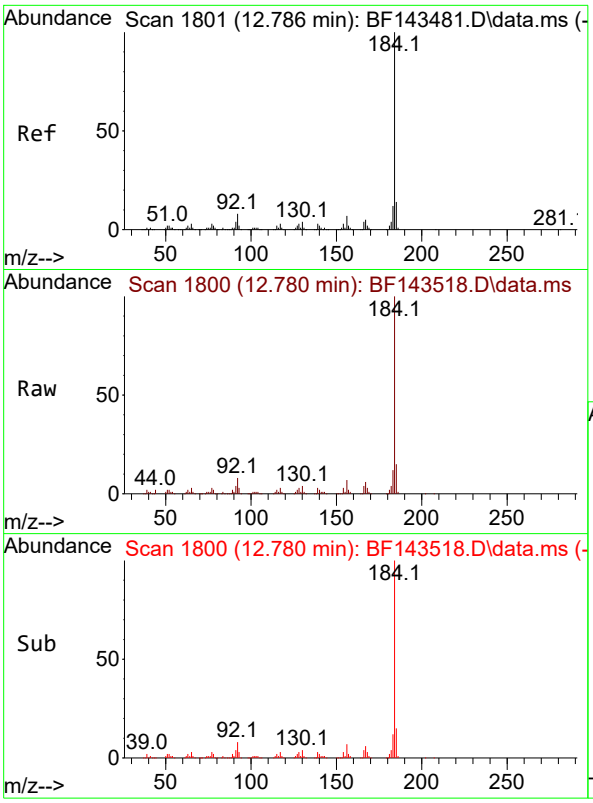


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:240 Resp: 222503

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.6	12.8
236	25.2	20.4	30.6



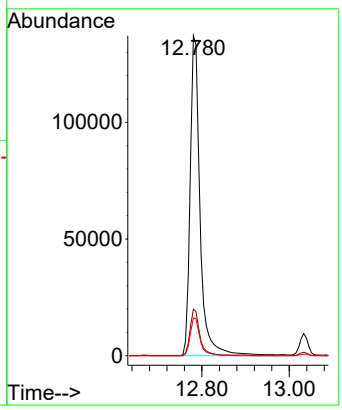


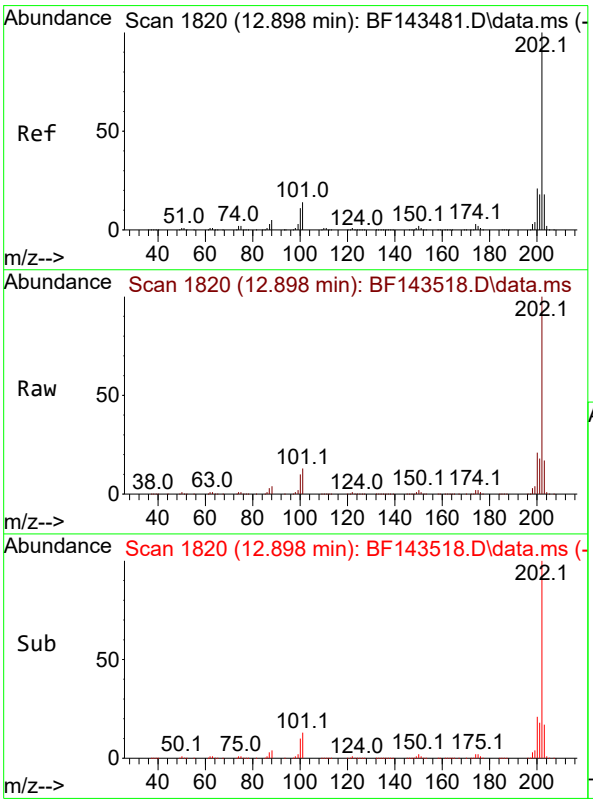
#77
Benzidine
Concen: 40.029 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 216953

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	11.8	9.5	14.3

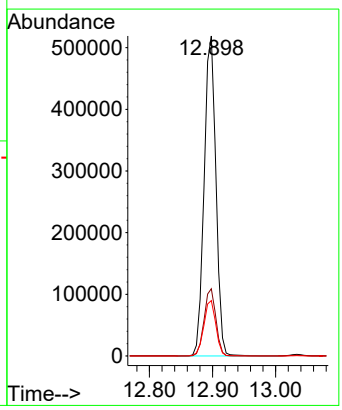


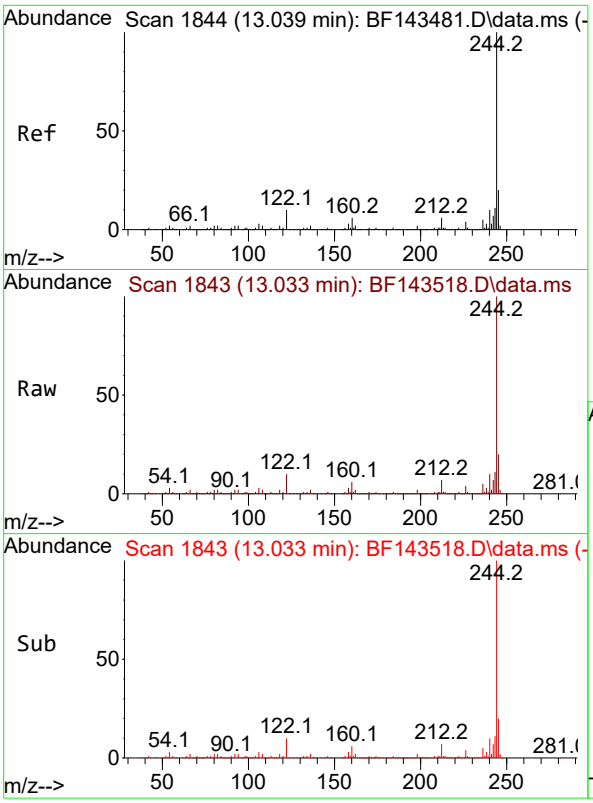


#78
Pyrene
Concen: 36.801 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:202 Resp: 673559

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.3	14.3	21.5



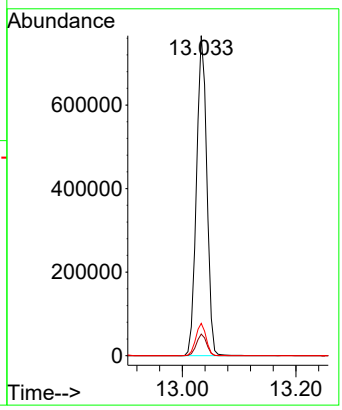


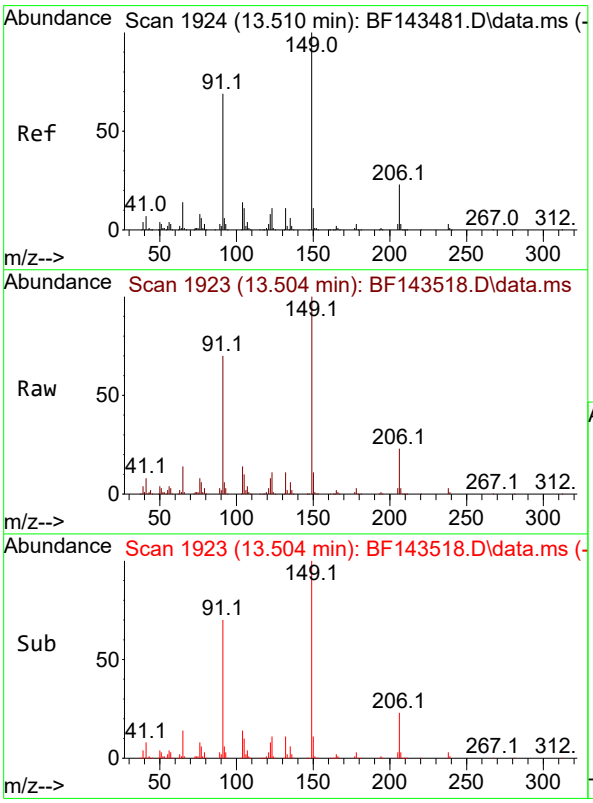
#79
Terphenyl-d14
Concen: 76.374 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 973817

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	10.1	7.9	11.9

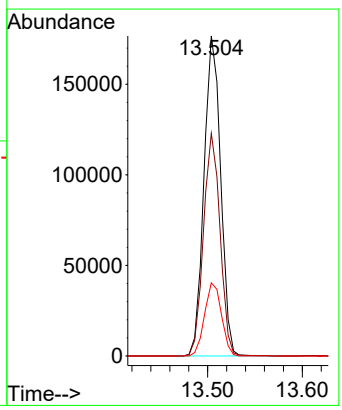


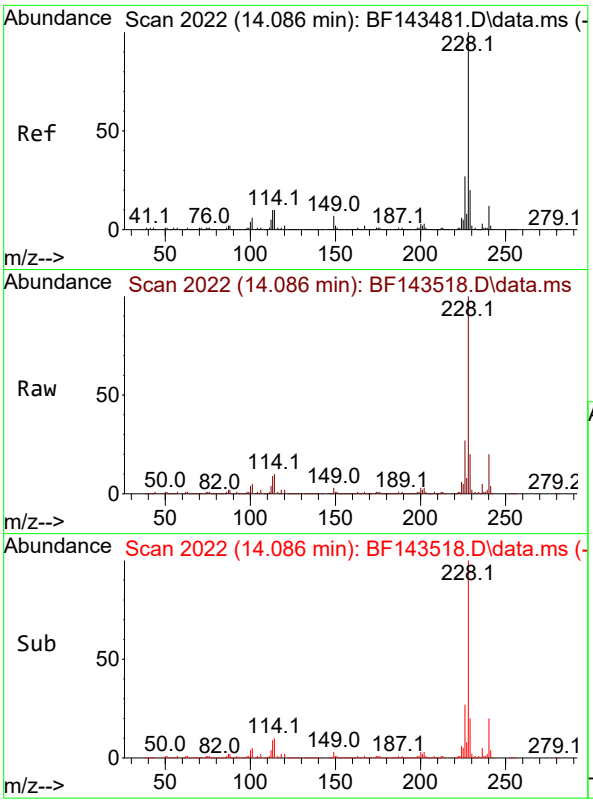


#80
Butylbenzylphthalate
Concen: 43.176 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 215877

Ion	Ratio	Lower	Upper
149	100		
91	69.5	55.3	82.9
206	22.9	18.2	27.4



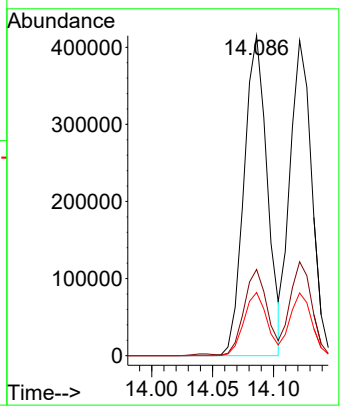


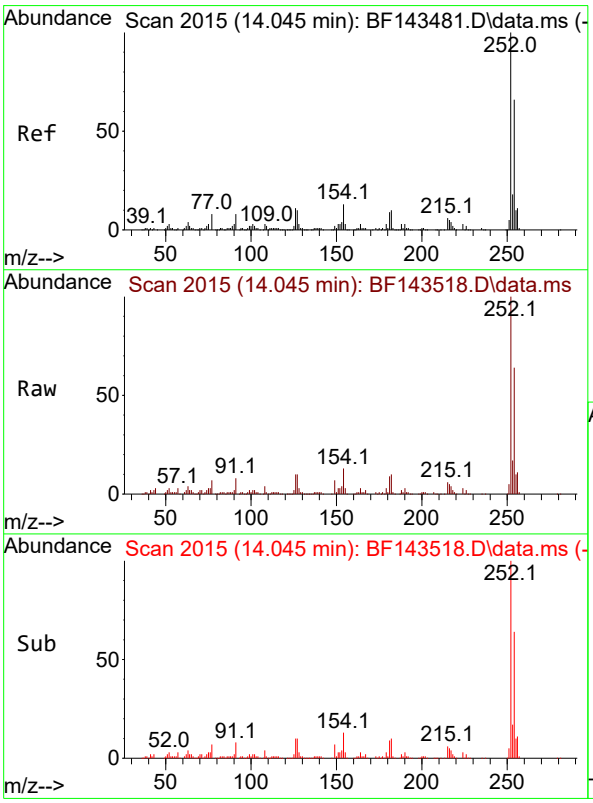
#81
Benzo(a)anthracene
Concen: 38.502 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 551541

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.7	15.7	23.5

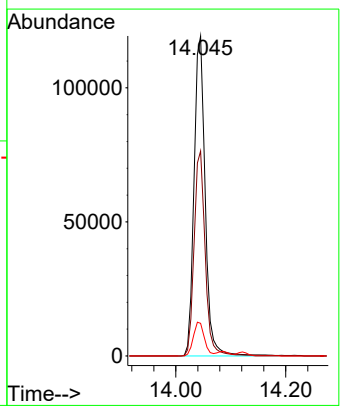


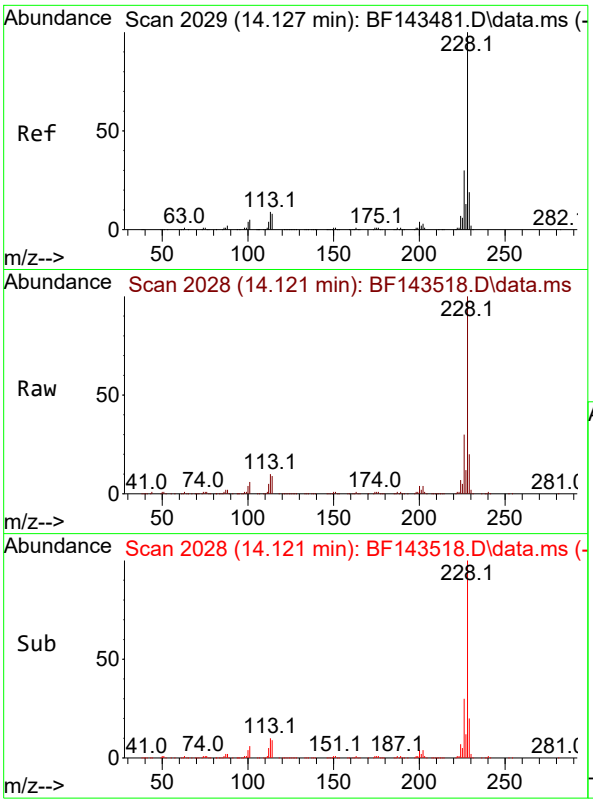


#82
3,3'-Dichlorobenzidine
Concen: 40.879 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:252 Resp: 167699

Ion	Ratio	Lower	Upper
252	100		
254	64.0	52.6	79.0
126	10.2	8.7	13.1



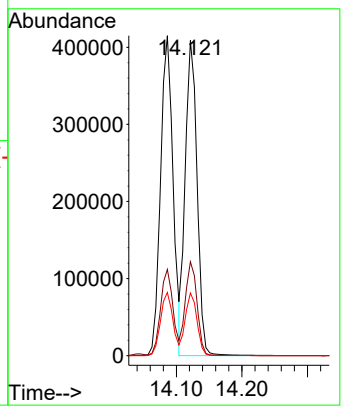


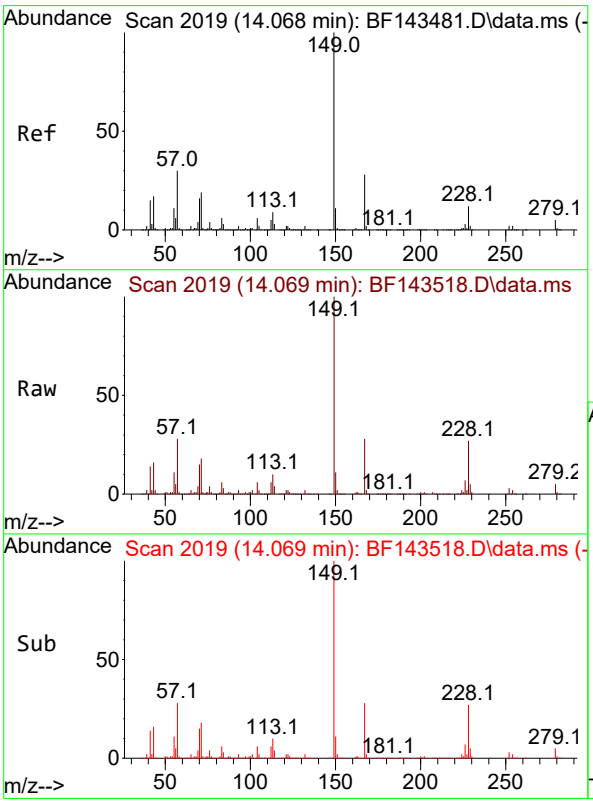
#83
Chrysene
Concen: 39.654 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 510484

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	19.9	15.7	23.5

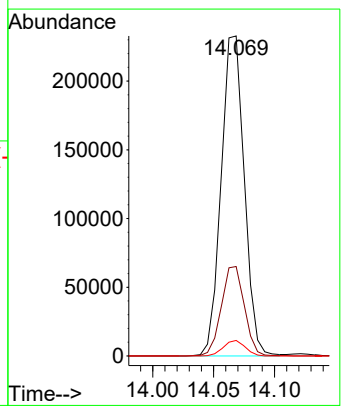


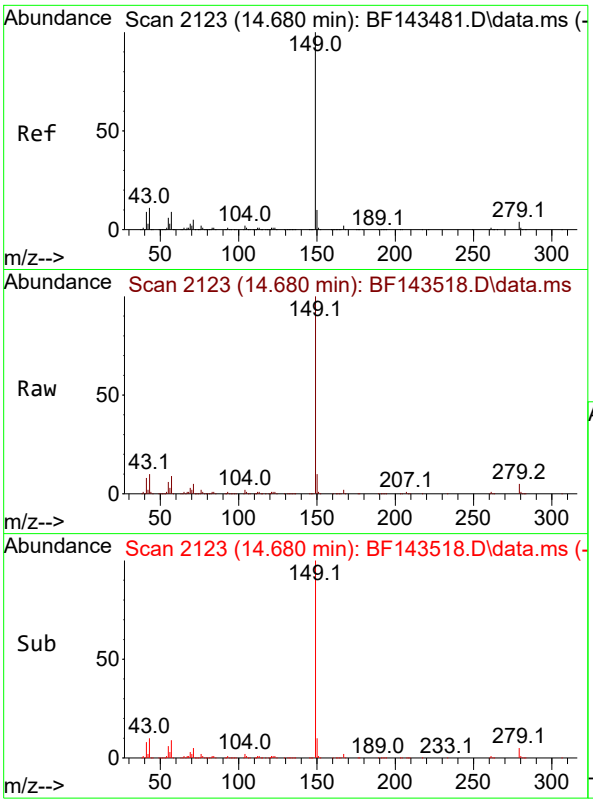


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.447 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:149 Resp: 308015

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.2	33.2
279	4.8	3.6	5.4



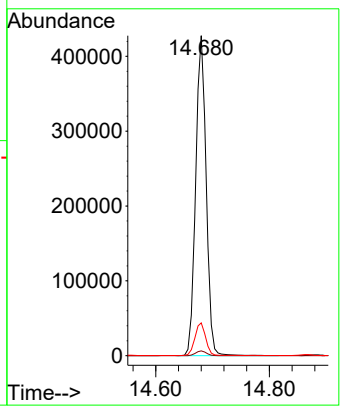


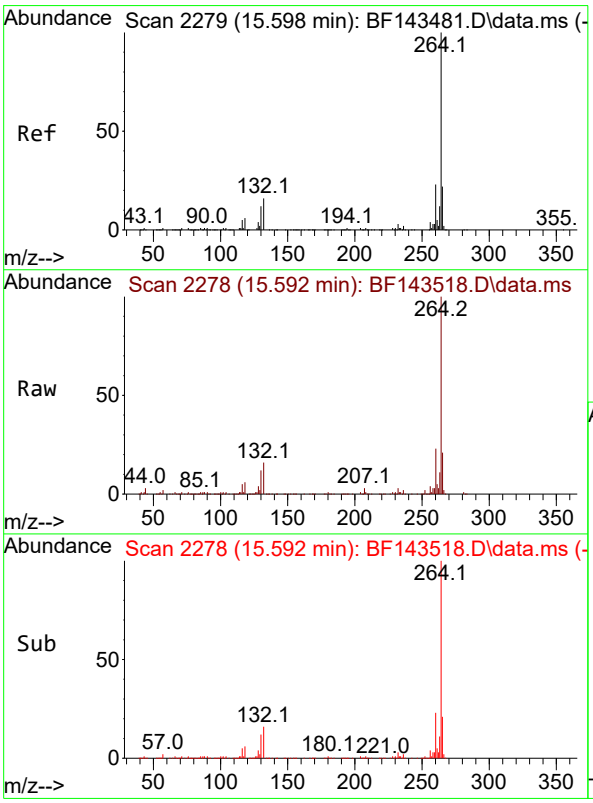
#85
Di-n-octyl phthalate
Concen: 39.064 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 551091

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.5	12.7

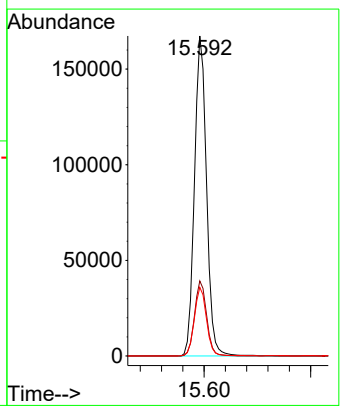


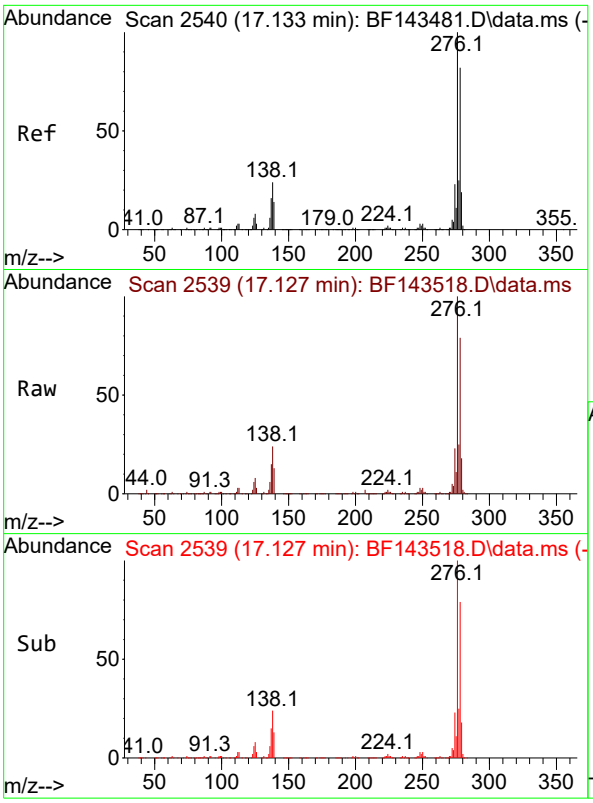


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:264 Resp: 262934

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.4	17.6	26.4



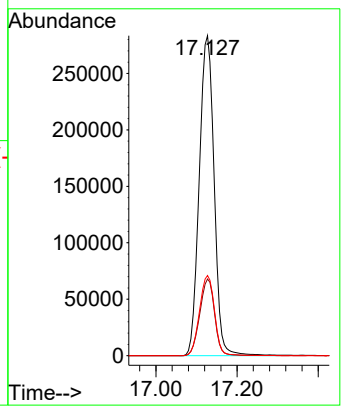


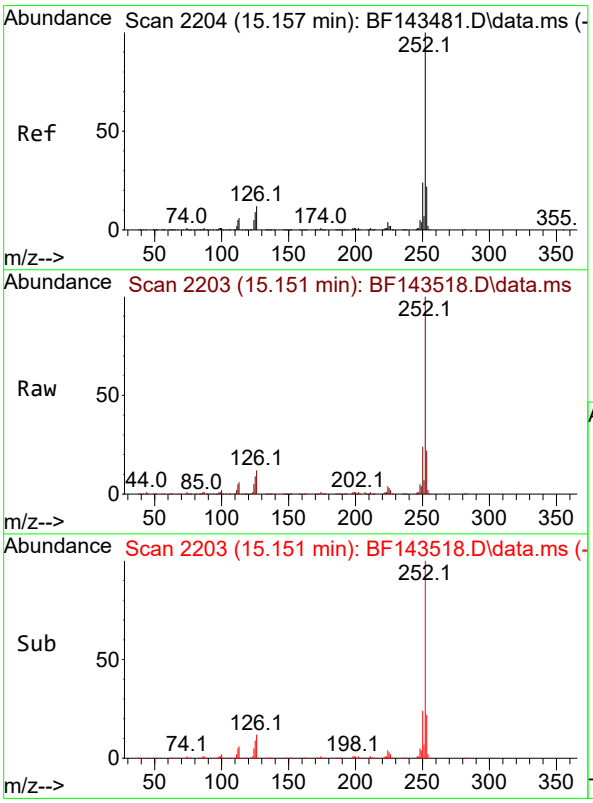
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.259 ng
RT: 17.127 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 722883

Ion	Ratio	Lower	Upper
276	100		
138	23.8	19.2	28.8
277	25.3	20.3	30.5

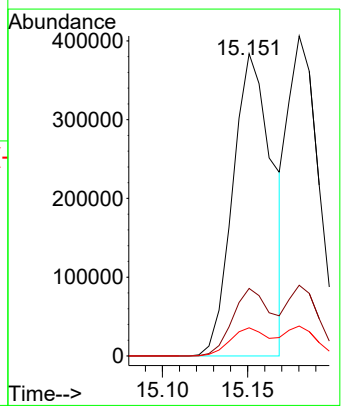


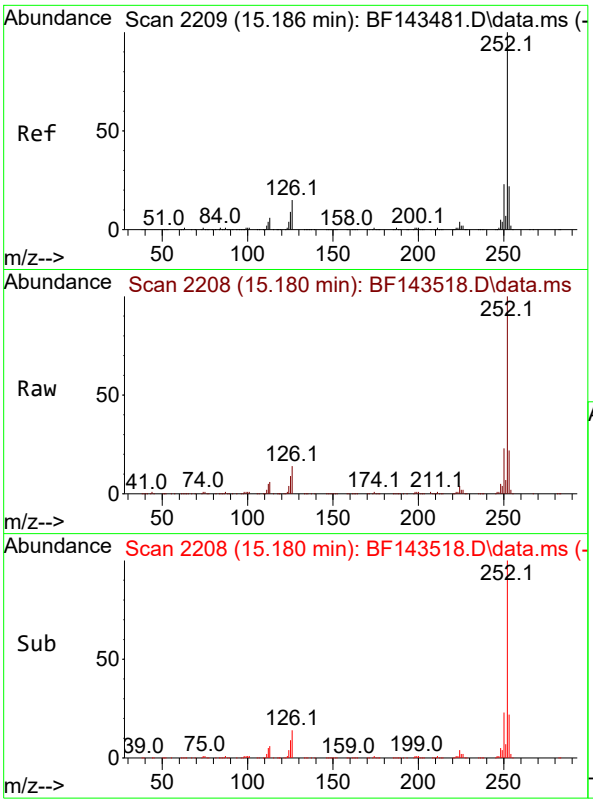


#88
Benzo(b)fluoranthene
Concen: 42.286 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:252 Resp: 618031

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.3	7.4	11.0



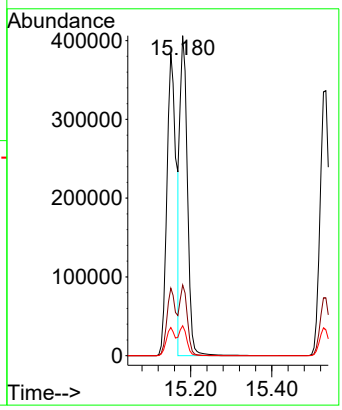


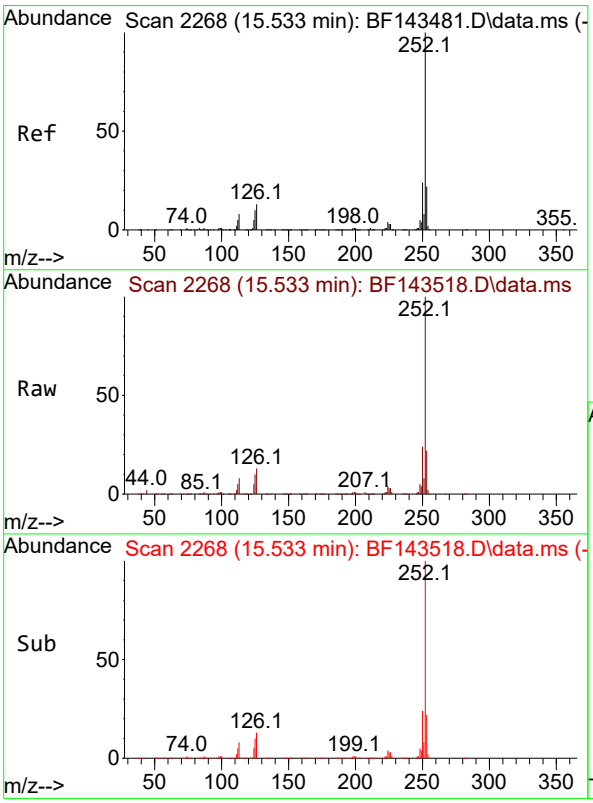
#89
Benzo(k)fluoranthene
Concen: 36.812 ng
RT: 15.180 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 515140

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.4	7.4	11.0

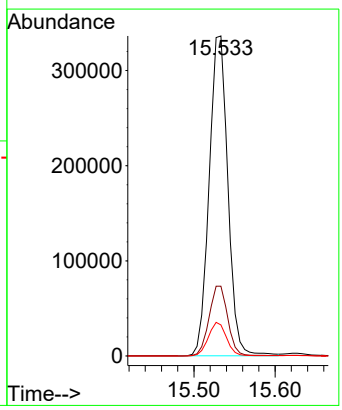


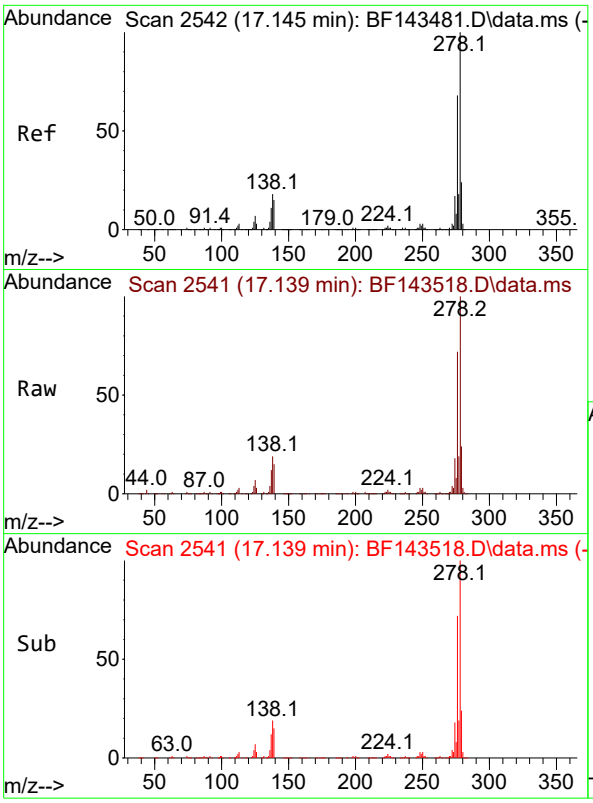


#90
Benzo(a)pyrene
Concen: 39.710 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:252 Resp: 538725

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	9.7	8.2	12.2



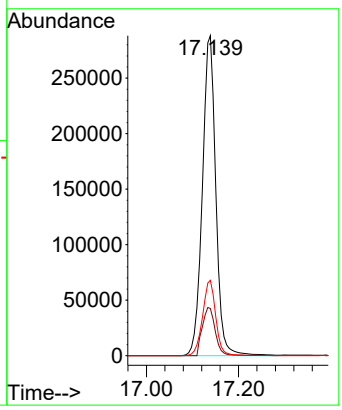


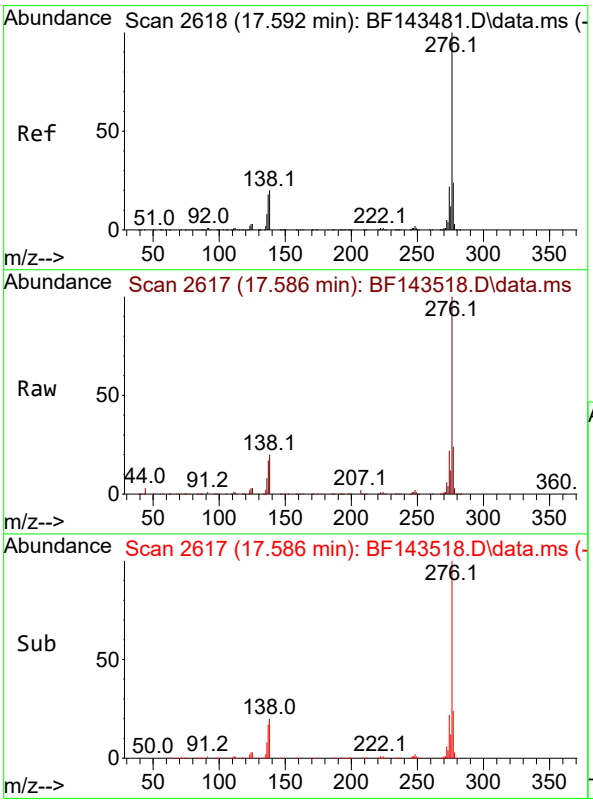
#91
Dibenzo(a,h)anthracene
Concen: 38.822 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 587454

Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.1	18.1
279	23.5	19.2	28.8

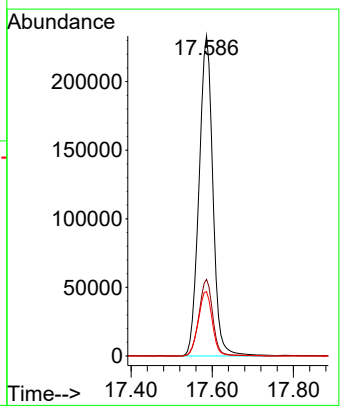




#92
Benzo(g,h,i)perylene
Concen: 36.878 ng
RT: 17.586 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF143518.D
Acq: 21 Aug 2025 09:21

Tgt Ion:276 Resp: 554893

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	20.1	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
2		1,4-Dioxane	0.531	0.541	-1.9	86	0.00
3		Pyridine	1.413	1.433	-1.4	85	0.00
4		n-Nitrosodimethylamine	0.635	0.638	-0.5	85	-0.02
5	S	2-Fluorophenol	1.145	1.132	1.1	85	0.00
6		Aniline	1.890	1.905	-0.8	86	0.00
7	S	Phenol-d6	1.414	1.413	0.1	86	-0.01
8		2-Chlorophenol	1.265	1.272	-0.6	86	0.00
9		Benzaldehyde	1.145	1.256	-9.7	90	0.00
10	C	Phenol	1.629	1.644	-0.9	86	-0.01
11		bis(2-Chloroethyl)ether	1.217	1.227	-0.8	87	0.00
12		1,3-Dichlorobenzene	1.421	1.414	0.5	86	0.00
13	C	1,4-Dichlorobenzene	1.426	1.427	-0.1	87	0.00
14		1,2-Dichlorobenzene	1.350	1.354	-0.3	86	0.00
15		Benzyl Alcohol	1.059	1.079	-1.9	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.947	1.939	0.4	85	0.00
17		2-Methylphenol	1.015	1.028	-1.3	87	0.00
18		Hexachloroethane	0.485	0.490	-1.0	86	0.00
19	P	n-Nitroso-di-n-propylamine	0.864	0.860	0.5	87	-0.02
20		3+4-Methylphenols	1.212	1.227	-1.2	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22		Acetophenone	0.432	0.427	1.2	88	0.00
23	S	Nitrobenzene-d5	0.343	0.348	-1.5	87	-0.01
24		Nitrobenzene	0.353	0.362	-2.5	87	-0.01
25		Isophorone	0.628	0.630	-0.3	87	-0.01
26	C	2-Nitrophenol	0.173	0.180	-4.0	87	0.00
27		2,4-Dimethylphenol	0.269	0.270	-0.4	86	0.00
28		bis(2-Chloroethoxy)methane	0.386	0.384	0.5	85	0.00
29	C	2,4-Dichlorophenol	0.288	0.290	-0.7	86	0.00
30		1,2,4-Trichlorobenzene	0.296	0.296	0.0	87	0.00
31		Naphthalene	0.960	0.950	1.0	87	0.00
32		Benzoic acid	0.137	0.130	5.1	77	-0.04
33		4-Chloroaniline	0.341	0.339	0.6	85	0.00
34	C	Hexachlorobutadiene	0.193	0.194	-0.5	87	0.00
35		Caprolactam	0.069	0.078	-13.0	95	-0.03
36	C	4-Chloro-3-methylphenol	0.288	0.289	-0.3	87	0.00
37		2-Methylnaphthalene	0.641	0.627	2.2	85	0.00
38		1-Methylnaphthalene	0.613	0.605	1.3	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.568	0.7	87	0.00
41	P	Hexachlorocyclopentadiene	0.184	0.169	8.2	74	0.00
42	S	2,4,6-Tribromophenol	0.186	0.186	0.0	86	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.355	-0.9	84	0.00
44		2,4,5-Trichlorophenol	0.385	0.380	1.3	86	0.00
45	S	2-Fluorobiphenyl	1.210	1.177	2.7	88	0.00
46		1,1'-Biphenyl	1.420	1.391	2.0	86	0.00
47		2-Chloronaphthalene	1.114	1.096	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.326	0.335	-2.8	86	0.00
49		Acenaphthylene	1.595	1.578	1.1	86	0.00
50		Dimethylphthalate	1.205	1.250	-3.7	90	0.00
51		2,6-Dinitrotoluene	0.250	0.265	-6.0	88	0.00
52	C	Acenaphthene	1.083	1.067	1.5	86	0.00
53		3-Nitroaniline	0.270	0.278	-3.0	86	0.00
54	P	2,4-Dinitrophenol	0.115	0.109	5.2	79	0.00
55		Dibenzofuran	1.544	1.525	1.2	87	0.00
56	P	4-Nitrophenol	0.161	0.155	3.7	78	0.00
57		2,4-Dinitrotoluene	0.333	0.357	-7.2	88	-0.01
58		Fluorene	1.188	1.164	2.0	87	0.00
59		2,3,4,6-Tetrachlorophenol	0.286	0.289	-1.0	84	0.00
60		Diethylphthalate	1.080	1.140	-5.6	91	0.00
61		4-Chlorophenyl-phenylether	0.594	0.589	0.8	87	0.00
62		4-Nitroaniline	0.248	0.258	-4.0	87	-0.01
63		Azobenzene	1.120	1.123	-0.3	87	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.107	5.3	76	0.00
66	c	n-Nitrosodiphenylamine	0.644	0.645	-0.2	85	0.00
67		4-Bromophenyl-phenylether	0.239	0.242	-1.3	85	0.00
68		Hexachlorobenzene	0.257	0.257	0.0	85	0.00
69		Atrazine	0.166	0.195	-17.5	98	0.00
70	C	Pentachlorophenol	0.118	0.106	10.2	73	0.00
71		Phenanthrene	1.071	1.052	1.8	86	0.00
72		Anthracene	1.085	1.065	1.8	84	0.00
73		Carbazole	0.889	0.875	1.6	84	0.00
74		Di-n-butylphthalate	0.829	0.956	-15.3	95	0.00
75	C	Fluoranthene	0.961	0.922	4.1	83	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77		Benzidine	0.487	0.488	-0.2	84	0.00
78		Pyrene	1.645	1.514	8.0	82	0.00
79	S	Terphenyl-d14	1.146	1.094	4.5	86	0.00
80		Butylbenzylphthalate	0.449	0.485	-8.0	92	0.00
81		Benzo(a)anthracene	1.288	1.239	3.8	84	0.00
82		3,3'-Dichlorobenzidine	0.369	0.377	-2.2	90	0.00
83		Chrysene	1.157	1.147	0.9	92	0.00
84		Bis(2-ethylhexyl)phthalate	0.685	0.692	-1.0	87	0.00
85	c	Di-n-octyl phthalate	1.268	1.238	2.4	85	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.437	1.375	4.3	87	-0.01
88		Benzo(b)fluoranthene	1.112	1.175	-5.7	100	0.00
89		Benzo(k)fluoranthene	1.064	0.980	7.9	83	-0.01
90	C	Benzo(a)pyrene	1.032	1.024	0.8	91	0.00
91		Dibenzo(a,h)anthracene	1.151	1.117	3.0	88	-0.02
92		Benzo(g,h,i)perylene	1.145	1.055	7.9	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	0.00
2		1,4-Dioxane	40.000	40.780	-2.0	86	0.00
3		Pyridine	40.000	40.552	-1.4	85	0.00
4		n-Nitrosodimethylamine	40.000	40.163	-0.4	85	-0.02
5	S	2-Fluorophenol	80.000	79.089	1.1	85	0.00
6		Aniline	40.000	40.315	-0.8	86	0.00
7	S	Phenol-d6	80.000	79.973	0.0	86	-0.01
8		2-Chlorophenol	40.000	40.208	-0.5	86	0.00
9		Benzaldehyde	40.000	43.891	-9.7	90	0.00
10	C	Phenol	40.000	40.372	-0.9	86	-0.01
11		bis(2-Chloroethyl)ether	40.000	40.314	-0.8	87	0.00
12		1,3-Dichlorobenzene	40.000	39.802	0.5	86	0.00
13	C	1,4-Dichlorobenzene	40.000	40.045	-0.1	87	0.00
14		1,2-Dichlorobenzene	40.000	40.122	-0.3	86	0.00
15		Benzyl Alcohol	40.000	40.760	-1.9	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.834	0.4	85	0.00
17		2-Methylphenol	40.000	40.511	-1.3	87	0.00
18		Hexachloroethane	40.000	40.435	-1.1	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.822	0.4	87	-0.02
20		3+4-Methylphenols	40.000	40.503	-1.3	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22		Acetophenone	40.000	39.507	1.2	88	0.00
23	S	Nitrobenzene-d5	80.000	81.228	-1.5	87	-0.01
24		Nitrobenzene	40.000	41.020	-2.6	87	-0.01
25		Isophorone	40.000	40.104	-0.3	87	-0.01
26	C	2-Nitrophenol	40.000	41.767	-4.4	87	0.00
27		2,4-Dimethylphenol	40.000	40.108	-0.3	86	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.742	0.6	85	0.00
29	C	2,4-Dichlorophenol	40.000	40.285	-0.7	86	0.00
30		1,2,4-Trichlorobenzene	40.000	40.066	-0.2	87	0.00
31		Naphthalene	40.000	39.587	1.0	87	0.00
32		Benzoic acid	40.000	35.717	10.7	77	-0.04
33		4-Chloroaniline	40.000	39.804	0.5	85	0.00
34	C	Hexachlorobutadiene	40.000	40.194	-0.5	87	0.00
35		Caprolactam	40.000	45.135	-12.8	95	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.144	-0.4	87	0.00
37		2-Methylnaphthalene	40.000	39.089	2.3	85	0.00
38		1-Methylnaphthalene	40.000	39.436	1.4	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.693	0.8	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.356	14.1	74	0.00
42	S	2,4,6-Tribromophenol	80.000	79.836	0.2	86	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.335	-0.8	84	0.00
44		2,4,5-Trichlorophenol	40.000	39.568	1.1	86	0.00
45	S	2-Fluorobiphenyl	80.000	77.819	2.7	88	0.00
46		1,1'-Biphenyl	40.000	39.203	2.0	86	0.00
47		2-Chloronaphthalene	40.000	39.372	1.6	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.078	-2.7	86	0.00
49		Acenaphthylene	40.000	39.570	1.1	86	0.00
50		Dimethylphthalate	40.000	41.504	-3.8	90	0.00
51		2,6-Dinitrotoluene	40.000	42.495	-6.2	88	0.00
52	C	Acenaphthene	40.000	39.417	1.5	86	0.00
53		3-Nitroaniline	40.000	41.155	-2.9	86	0.00
54	P	2,4-Dinitrophenol	40.000	35.824	10.4	79	0.00
55		Dibenzofuran	40.000	39.509	1.2	87	0.00
56	P	4-Nitrophenol	40.000	38.513	3.7	78	0.00
57		2,4-Dinitrotoluene	40.000	42.812	-7.0	88	-0.01
58		Fluorene	40.000	39.184	2.0	87	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.463	-1.2	84	0.00
60		Diethylphthalate	40.000	42.212	-5.5	91	0.00
61		4-Chlorophenyl-phenylether	40.000	39.680	0.8	87	0.00
62		4-Nitroaniline	40.000	41.677	-4.2	87	-0.01
63		Azobenzene	40.000	40.129	-0.3	87	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.928	5.2	76	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.110	-0.3	85	0.00
67		4-Bromophenyl-phenylether	40.000	40.542	-1.4	85	0.00
68		Hexachlorobenzene	40.000	39.979	0.1	85	0.00
69		Atrazine	40.000	46.846	-17.1	98	0.00
70	C	Pentachlorophenol	40.000	36.133	9.7	73	0.00
71		Phenanthrene	40.000	39.294	1.8	86	0.00
72		Anthracene	40.000	39.255	1.9	84	0.00
73		Carbazole	40.000	39.380	1.5	84	0.00
74		Di-n-butylphthalate	40.000	46.124	-15.3	95	0.00
75	C	Fluoranthene	40.000	38.372	4.1	83	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77		Benzidine	40.000	40.029	-0.1	84	0.00
78		Pyrene	40.000	36.801	8.0	82	0.00
79	S	Terphenyl-d14	80.000	76.374	4.5	86	0.00
80		Butylbenzylphthalate	40.000	43.176	-7.9	92	0.00
81		Benzo(a)anthracene	40.000	38.502	3.7	84	0.00
82		3,3'-Dichlorobenzidine	40.000	40.879	-2.2	90	0.00
83		Chrysene	40.000	39.654	0.9	92	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.447	-1.1	87	0.00
85	c	Di-n-octyl phthalate	40.000	39.064	2.3	85	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.259	4.4	87	-0.01
88		Benzo(b)fluoranthene	40.000	42.286	-5.7	100	0.00
89		Benzo(k)fluoranthene	40.000	36.812	8.0	83	-0.01
90	C	Benzo(a)pyrene	40.000	39.710	0.7	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.822	2.9	88	-0.02
92		Benzo(g,h,i)perylene	40.000	36.878	7.8	83	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143518.D
Acq On : 21 Aug 2025 09:21
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 11:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 19:32

Lab File ID: BF143539.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.138		-0.6	50.0
Benzaldehyde	1.145	1.334		16.5	50.0
Phenol-d6	1.414	1.375		-2.8	50.0
Phenol	1.629	1.605		-1.5	50.0
bis(2-Chloroethyl)ether	1.217	1.180		-3.0	50.0
2-Chlorophenol	1.265	1.247		-1.4	50.0
2-Methylphenol	1.015	0.989		-2.6	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.836		-5.7	50.0
Acetophenone	0.432	0.430		-0.5	50.0
3+4-Methylphenols	1.212	1.209		-0.2	50.0
n-Nitroso-di-n-propylamine	0.864	0.843	0.050	-2.4	50.0
Nitrobenzene-d5	0.343	0.348		1.5	50.0
Hexachloroethane	0.485	0.487		0.4	50.0
Nitrobenzene	0.353	0.363		2.8	50.0
Isophorone	0.628	0.636		1.3	50.0
2-Nitrophenol	0.173	0.179		3.5	50.0
2,4-Dimethylphenol	0.269	0.267		-0.7	50.0
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	50.0
2,4-Dichlorophenol	0.288	0.283		-1.7	50.0
Naphthalene	0.960	0.942		-1.9	50.0
4-Chloroaniline	0.341	0.329		-3.5	50.0
Hexachlorobutadiene	0.193	0.196		1.6	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.279		-3.1	50.0
2-Methylnaphthalene	0.641	0.620		-3.3	50.0
Hexachlorocyclopentadiene	0.184	0.203	0.050	10.3	50.0
2,4,6-Trichlorophenol	0.352	0.369		4.8	50.0
2-Fluorobiphenyl	1.210	1.266		4.6	50.0
2,4,5-Trichlorophenol	0.385	0.387		0.5	50.0
1,1-Biphenyl	1.420	1.484		4.5	50.0
2-Chloronaphthalene	1.114	1.142		2.5	50.0
2-Nitroaniline	0.326	0.339		4.0	50.0
Dimethylphthalate	1.205	1.333		10.6	50.0
Acenaphthylene	1.595	1.612		1.1	50.0
2,6-Dinitrotoluene	0.250	0.267		6.8	50.0
3-Nitroaniline	0.270	0.274		1.5	50.0
Acenaphthene	1.083	1.076		-0.6	50.0
2,4-Dinitrophenol	0.115	0.095	0.050	-17.4	50.0
4-Nitrophenol	0.161	0.175	0.050	8.7	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 19:32

Lab File ID: BF143539.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.507		-2.4	50.0
2,4-Dinitrotoluene	0.333	0.340		2.1	50.0
Diethylphthalate	1.080	1.180		9.3	50.0
4-Chlorophenyl-phenylether	0.594	0.588		-1.0	50.0
Fluorene	1.188	1.140		-4.0	50.0
4-Nitroaniline	0.248	0.244		-1.6	50.0
4,6-Dinitro-2-methylphenol	0.113	0.091		-19.5	50.0
n-Nitrosodiphenylamine	0.644	0.713		10.7	50.0
2,4,6-Tribromophenol	0.186	0.167		-10.2	50.0
4-Bromophenyl-phenylether	0.239	0.259		8.4	50.0
Hexachlorobenzene	0.257	0.263		2.3	50.0
Atrazine	0.166	0.212		27.7	50.0
Pentachlorophenol	0.118	0.244		106.8	50.0
Phenanthrene	1.071	1.070		-0.1	50.0
Anthracene	1.085	1.084		-0.1	50.0
Carbazole	0.889	0.901		1.4	50.0
Di-n-butylphthalate	0.829	1.069		29.0	50.0
Fluoranthene	0.961	0.984		2.4	50.0
Pyrene	1.645	1.215		-26.1	50.0
Terphenyl-d14	1.146	0.889		-22.4	50.0
Butylbenzylphthalate	0.449	0.495		10.2	50.0
3,3-Dichlorobenzidine	0.369	0.389		5.4	50.0
Benzo(a)anthracene	1.288	1.260		-2.2	50.0
Chrysene	1.157	1.191		2.9	50.0
Bis(2-ethylhexyl)phthalate	0.685	0.737		7.6	50.0
Di-n-octyl phthalate	1.268	1.337		5.4	50.0
Benzo(b)fluoranthene	1.112	1.179		6.0	50.0
Benzo(k)fluoranthene	1.064	1.106		3.9	50.0
Benzo(a)pyrene	1.032	1.041		0.9	50.0
Indeno(1,2,3-cd)pyrene	1.437	1.011		-29.6	50.0
Dibenzo(a,h)anthracene	1.151	0.836		-27.4	50.0
Benzo(g,h,i)perylene	1.145	0.732		-36.1	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.595		4.0	50.0
1,4-Dioxane	0.531	0.518		-2.4	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.270		-5.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	110484	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	402251	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	197751	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	266164	20.000	ng		0.00
76) Chrysene-d12	14.098	240	224613	20.000	ng		0.00
86) Perylene-d12	15.592	264	256535	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	502829	79.470	ng		0.00
7) Phenol-d6	6.563	99	607545	77.784	ng		-0.01
23) Nitrobenzene-d5	7.487	82	560673	81.337	ng		-0.01
42) 2,4,6-Tribromophenol	10.757	330	131942	71.678	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	1001186	83.673	ng		0.00
79) Terphenyl-d14	13.033	244	798863	62.064	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	114523	39.072	ng		99
3) Pyridine	3.510	79	304538	39.009	ng		99
4) n-Nitrosodimethylamine	3.457	42	139889	39.860	ng		97
6) Aniline	6.587	93	401267	38.435	ng	#	84
8) 2-Chlorophenol	6.716	128	275473	39.418	ng		100
9) Benzaldehyde	6.481	77	294783	46.616	ng		100
10) Phenol	6.575	94	354741	39.425	ng		92
11) bis(2-Chloroethyl)ether	6.657	93	260716	38.774	ng		100
12) 1,3-Dichlorobenzene	6.869	146	305256	38.875	ng		99
13) 1,4-Dichlorobenzene	6.945	146	310463	39.416	ng		99
14) 1,2-Dichlorobenzene	7.098	146	290881	39.005	ng		100
15) Benzyl Alcohol	7.069	79	233545	39.937	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.193	45	405626	37.707	ng		85
17) 2-Methylphenol	7.181	107	218625	38.978	ng		96
18) Hexachloroethane	7.440	117	107596	40.177	ng		98
19) n-Nitroso-di-n-propyla...	7.340	70	186353	39.035	ng		99
20) 3+4-Methylphenols	7.334	107	267236	39.911	ng		98
22) Acetophenone	7.334	105	346144	39.831	ng		99
24) Nitrobenzene	7.510	77	292216	41.188	ng		99
25) Isophorone	7.745	82	511518	40.481	ng		100
26) 2-Nitrophenol	7.822	139	144354	41.538	ng		96
27) 2,4-Dimethylphenol	7.863	122	214593	39.611	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	309875	39.904	ng		100
29) 2,4-Dichlorophenol	8.069	162	227965	39.400	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	235019	39.508	ng		100
31) Naphthalene	8.234	128	758151	39.258	ng		100
32) Benzoic acid	7.975	122	95321	32.943	ng		98
33) 4-Chloroaniline	8.275	127	264368	38.570	ng		99
34) Hexachlorobutadiene	8.351	225	157980	40.705	ng		100
35) Caprolactam	8.639	113	60796	43.789	ng		96
36) 4-Chloro-3-methylphenol	8.763	107	224793	38.769	ng		100
37) 2-Methylnaphthalene	8.922	142	498908	38.680	ng		98
38) 1-Methylnaphthalene	9.022	142	468992	38.013	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	235213	41.583	ng		99
41) Hexachlorocyclopentadiene	9.081	237	80228	40.008	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	146031	41.956	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

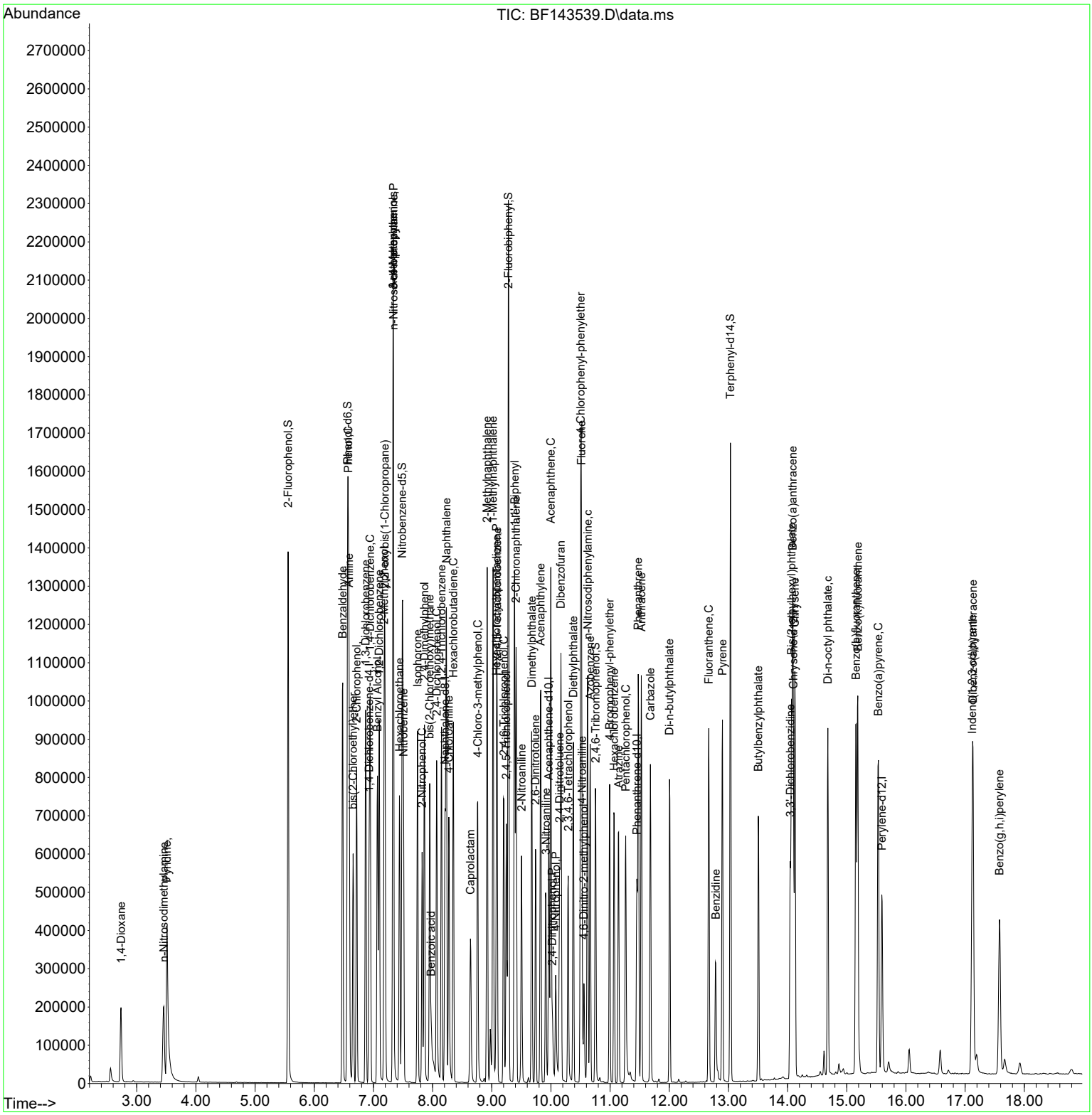
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	152926	40.224	ng	99
46) 1,1'-Biphenyl	9.386	154	586854	41.811	ng	99
47) 2-Chloronaphthalene	9.410	162	451645	41.011	ng	99
48) 2-Nitroaniline	9.504	65	134022	41.582	ng	96
49) Acenaphthylene	9.828	152	637603	40.434	ng	100
50) Dimethylphthalate	9.675	163	527145	44.261	ng	100
51) 2,6-Dinitrotoluene	9.739	165	105458	42.723	ng	96
52) Acenaphthene	9.998	154	425489	39.741	ng	99
53) 3-Nitroaniline	9.916	138	108314	40.609	ng	100
54) 2,4-Dinitrophenol	10.022	184	37584	31.881	ng	92
55) Dibenzofuran	10.169	168	596110	39.052	ng	98
56) 4-Nitrophenol	10.081	139	69103	43.542	ng	96
57) 2,4-Dinitrotoluene	10.145	165	134631	40.847	ng	97
58) Fluorene	10.516	166	450707	38.364	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	106720	37.783	ng	99
60) Diethylphthalate	10.381	149	466799	43.716	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	232448	39.562	ng	99
62) 4-Nitroaniline	10.528	138	96697	39.469	ng	97
63) Azobenzene	10.663	77	431460	38.969	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	48200	32.117	ng	96
66) n-Nitrosodiphenylamine	10.622	169	379520	44.307	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	137974	43.446	ng	97
68) Hexachlorobenzene	11.069	284	139989	40.894	ng	98
69) Atrazine	11.145	200	112914	51.067	ng	99
70) Pentachlorophenol	11.263	266	129625	82.680	ng	99
71) Phenanthrene	11.475	178	569767	39.974	ng	100
72) Anthracene	11.528	178	576813	39.947	ng	100
73) Carbazole	11.680	167	479540	40.531	ng	100
74) Di-n-butylphthalate	12.004	149	568861	51.539	ng	99
75) Fluoranthene	12.669	202	523856	40.959	ng	99
77) Benzidine	12.786	184	195722	35.773	ng	100
78) Pyrene	12.898	202	545878	29.545	ng	99
80) Butylbenzylphthalate	13.504	149	222304	44.044	ng	97
81) Benzo(a)anthracene	14.086	228	565876	39.132	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	174738	42.194	ng	98
83) Chrysene	14.121	228	534990	41.167	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	330969	43.053	ng	100
85) Di-n-octyl phthalate	14.680	149	600507	42.167	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	518934	28.150	ng	99
88) Benzo(b)fluoranthene	15.157	252	605018	42.428	ng	100
89) Benzo(k)fluoranthene	15.186	252	567409	41.559	ng	100
90) Benzo(a)pyrene	15.533	252	534103	40.352	ng	99
91) Dibenzo(a,h)anthracene	17.133	278	429182	29.070	ng	99
92) Benzo(g,h,i)perylene	17.580	276	375504	25.578	ng	99

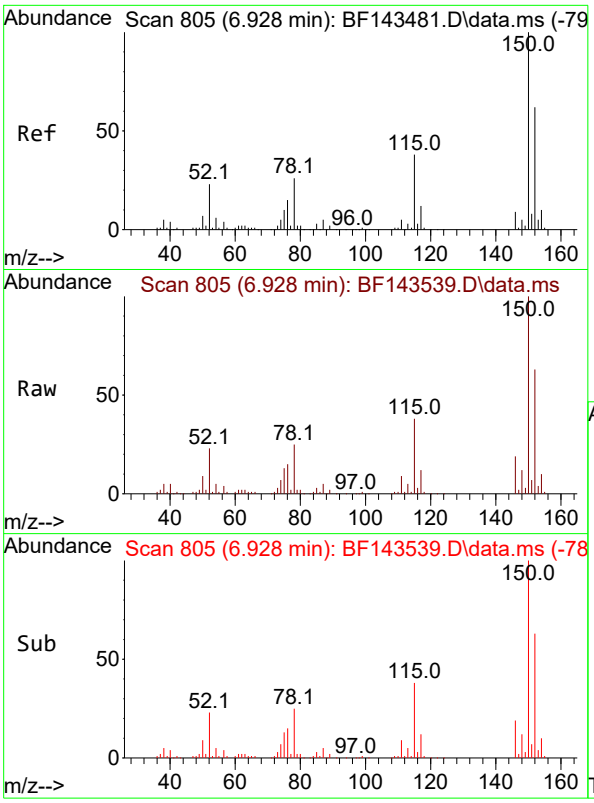
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration



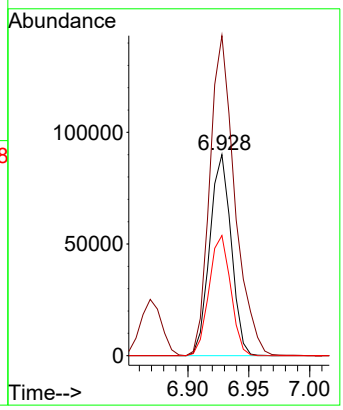


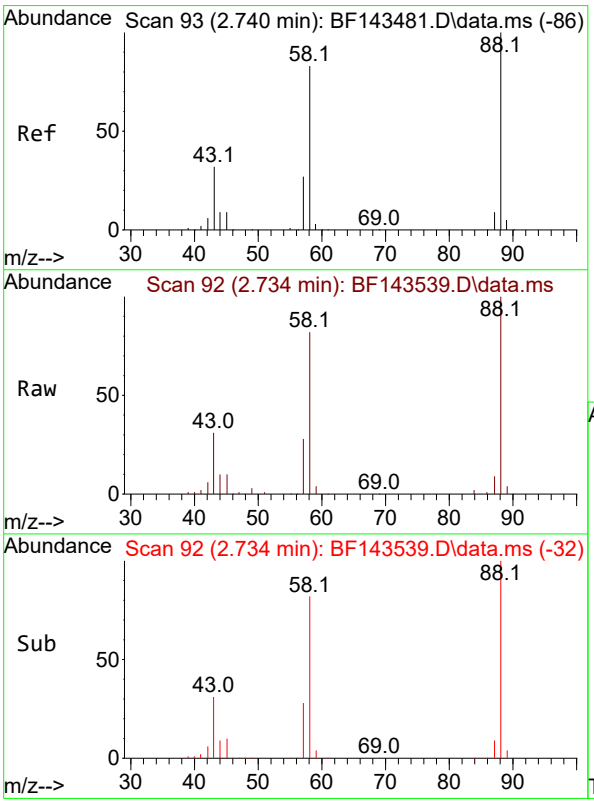
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 110484

Ion	Ratio	Lower	Upper
152	100		
150	159.1	128.9	193.3
115	59.8	49.2	73.8

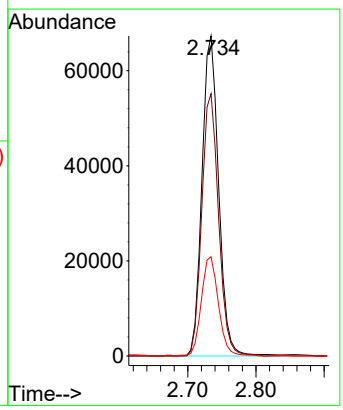


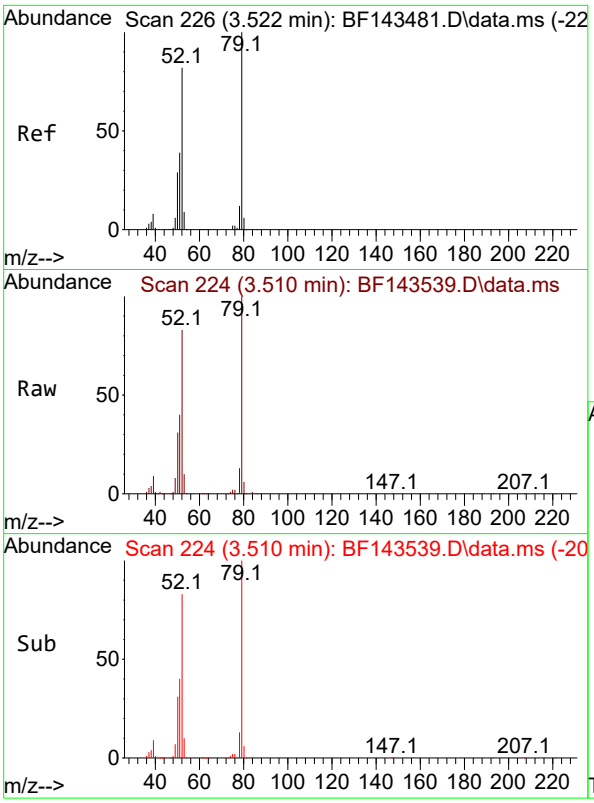


#2
1,4-Dioxane
Concen: 39.072 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 88 Resp: 114523

Ion	Ratio	Lower	Upper
88	100		
58	82.3	66.7	100.1
43	31.8	25.8	38.8



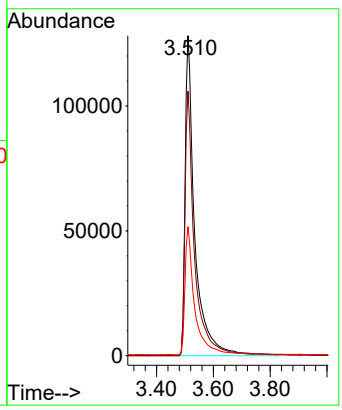


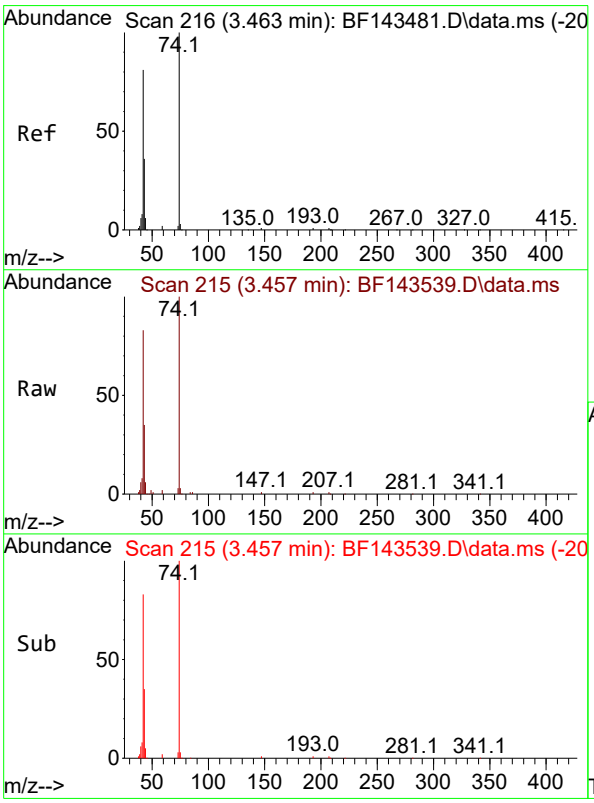
#3
Pyridine
Concen: 39.009 ng
RT: 3.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 304538

Ion	Ratio	Lower	Upper
79	100		
52	82.7	65.6	98.4
51	40.3	31.2	46.8

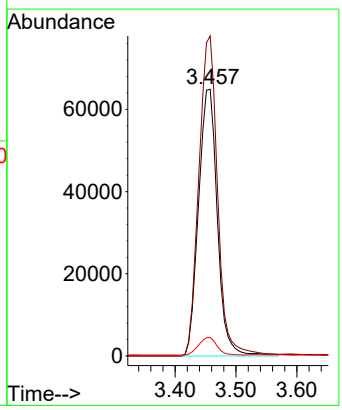


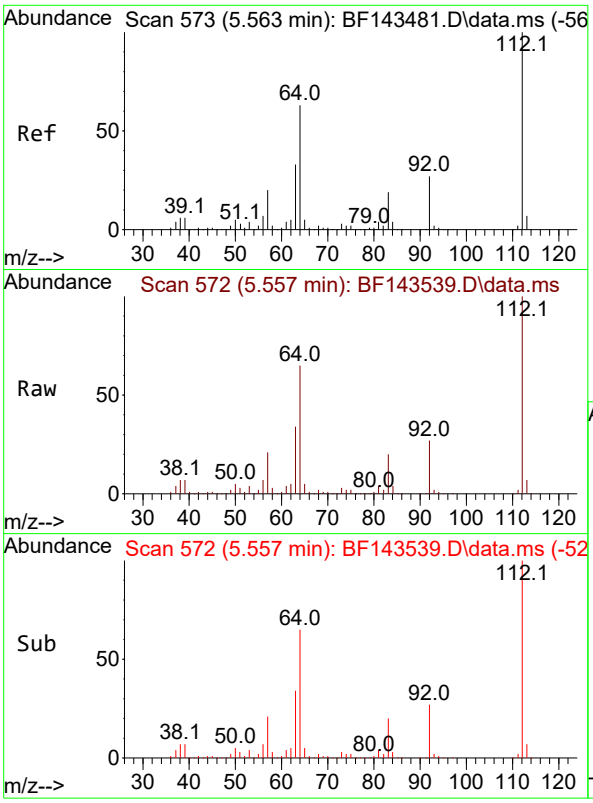


#4
n-Nitrosodimethylamine
Concen: 39.860 ng
RT: 3.457 min Scan# 215
Delta R.T. -0.018 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 42 Resp: 139889

Ion	Ratio	Lower	Upper
42	100		
74	120.0	98.6	148.0
44	6.9	5.8	8.8



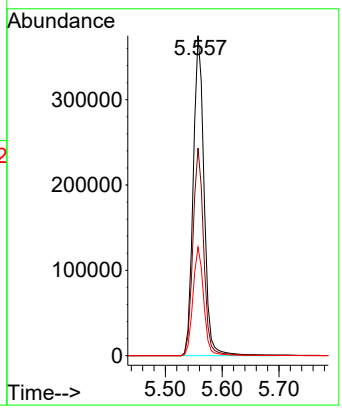


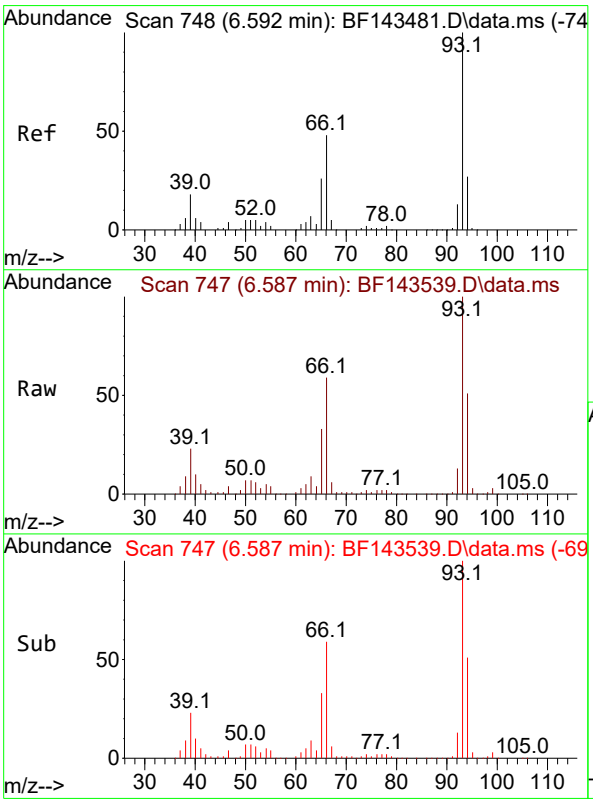
#5
2-Fluorophenol
Concen: 79.470 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 502829

Ion	Ratio	Lower	Upper
112	100		
64	64.8	50.4	75.6
63	33.9	26.4	39.6

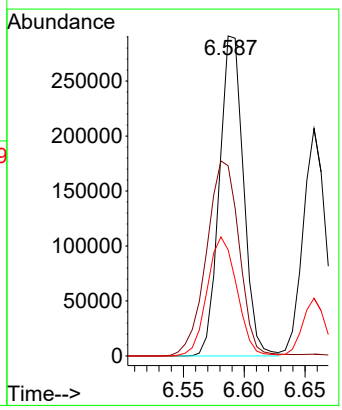


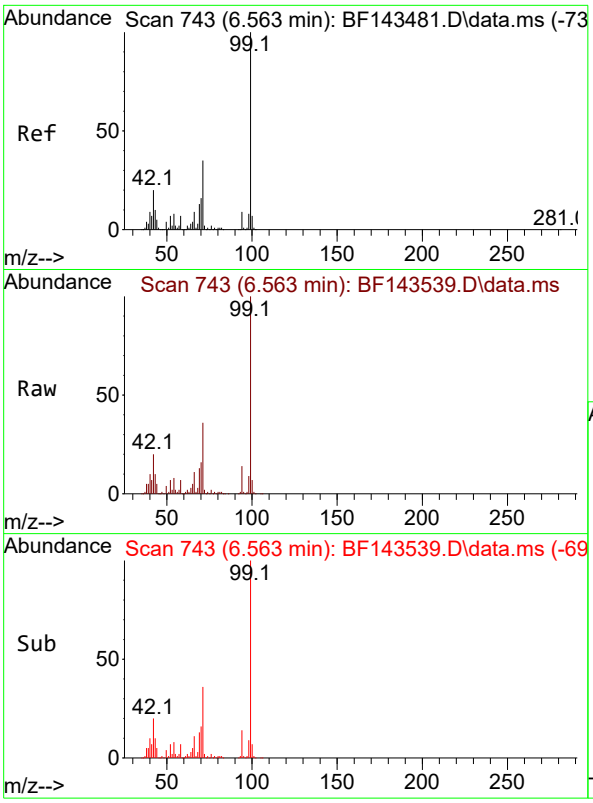


#6
Aniline
Concen: 38.435 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 93 Resp: 401267

Ion	Ratio	Lower	Upper
93	100		
66	59.5	38.9	58.3#
65	33.1	20.6	30.8#



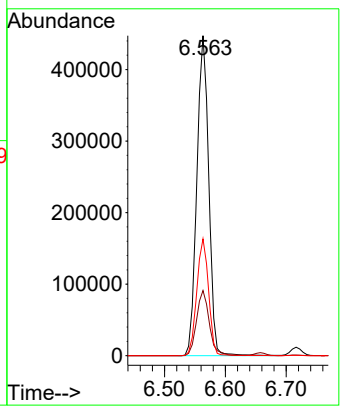


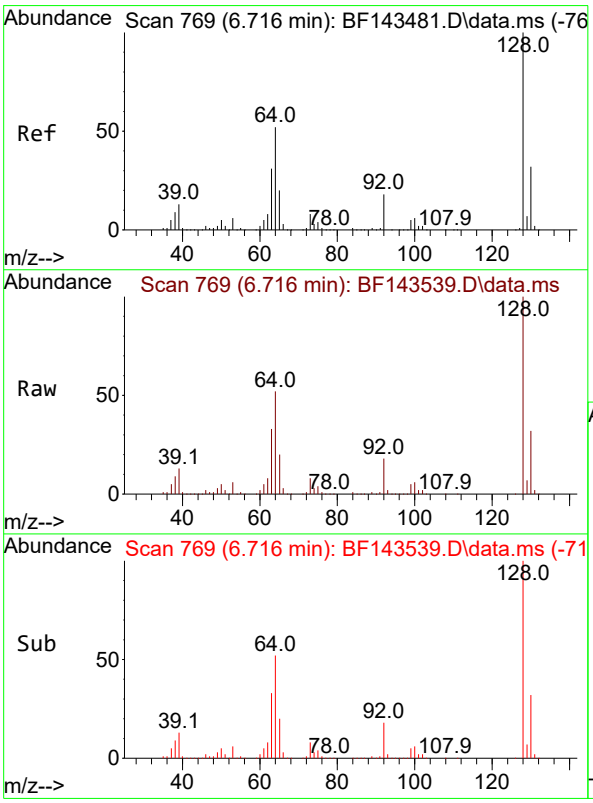
#7
Phenol-d6
Concen: 77.784 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 607545

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.3	24.5
71	36.5	28.2	42.2

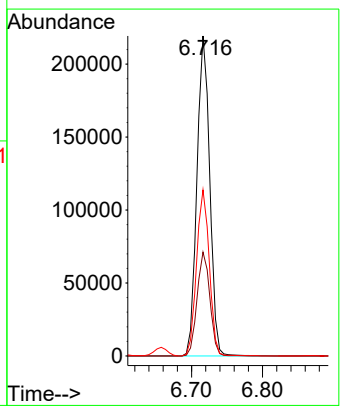


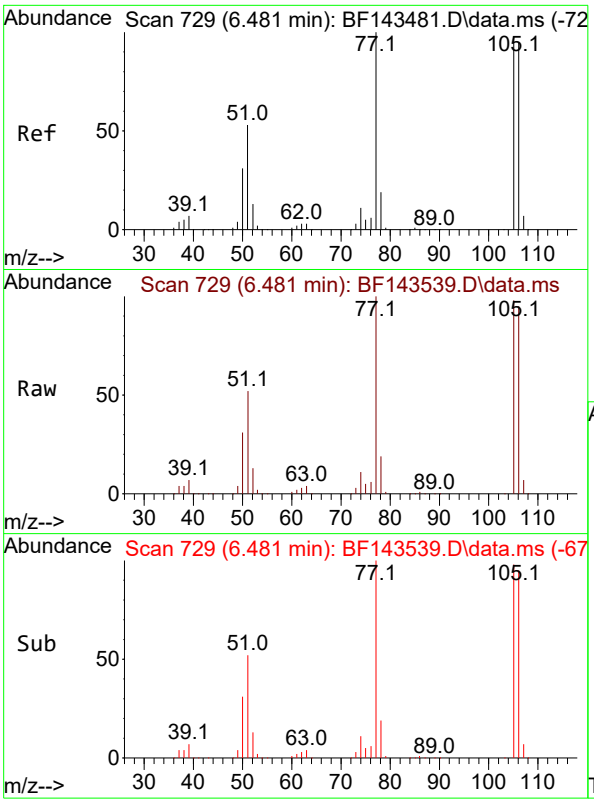


#8
2-Chlorophenol
Concen: 39.418 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:128 Resp: 275473

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.4	52.4
64	51.9	31.6	71.6



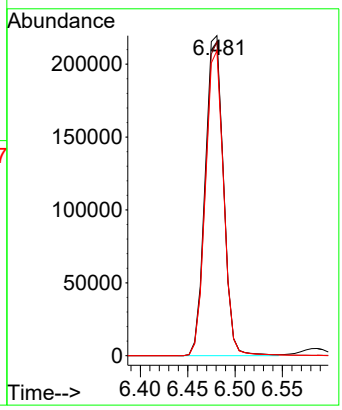


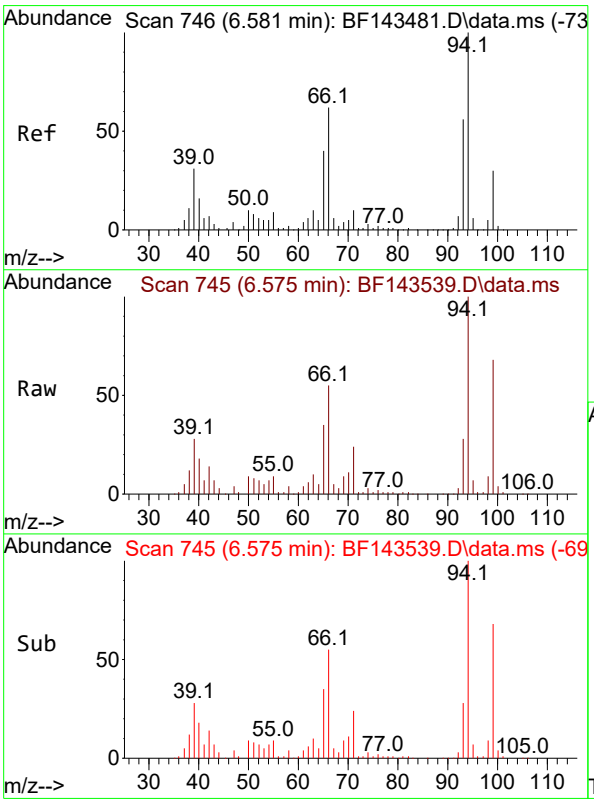
#9
Benzaldehyde
Concen: 46.616 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 294783

Ion	Ratio	Lower	Upper
77	100		
105	98.0	78.1	118.1
106	95.3	74.9	114.9

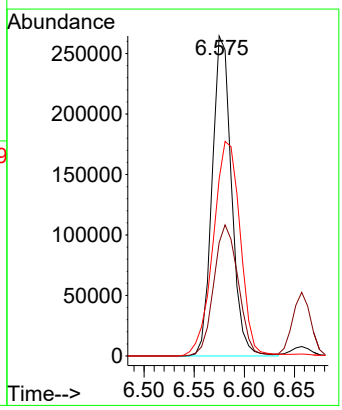


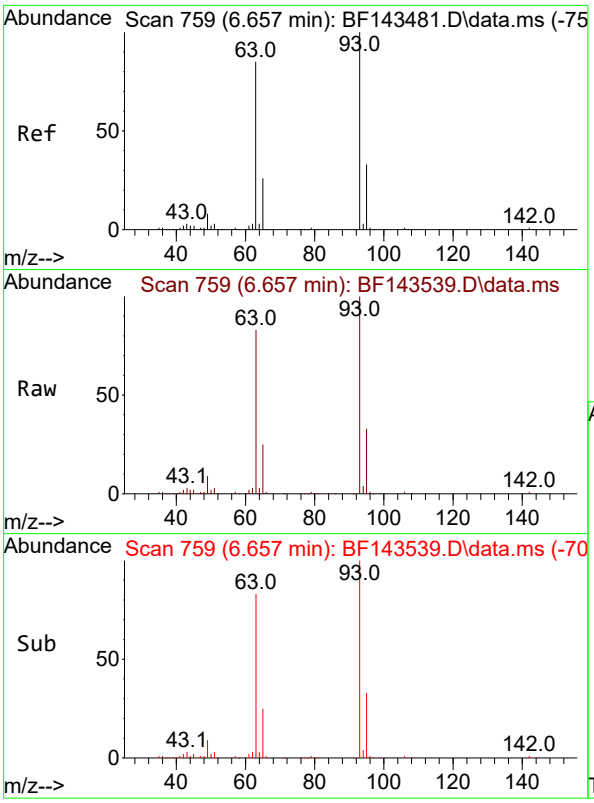


#10
Phenol
Concen: 39.425 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 94 Resp: 354741

Ion	Ratio	Lower	Upper
94	100		
65	35.4	19.5	59.5
66	55.3	42.5	82.5



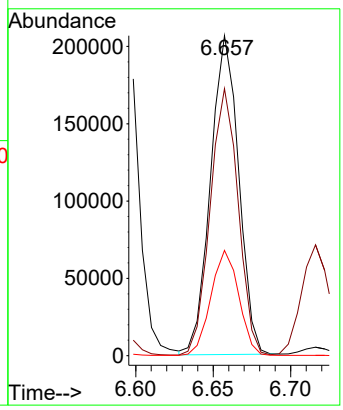


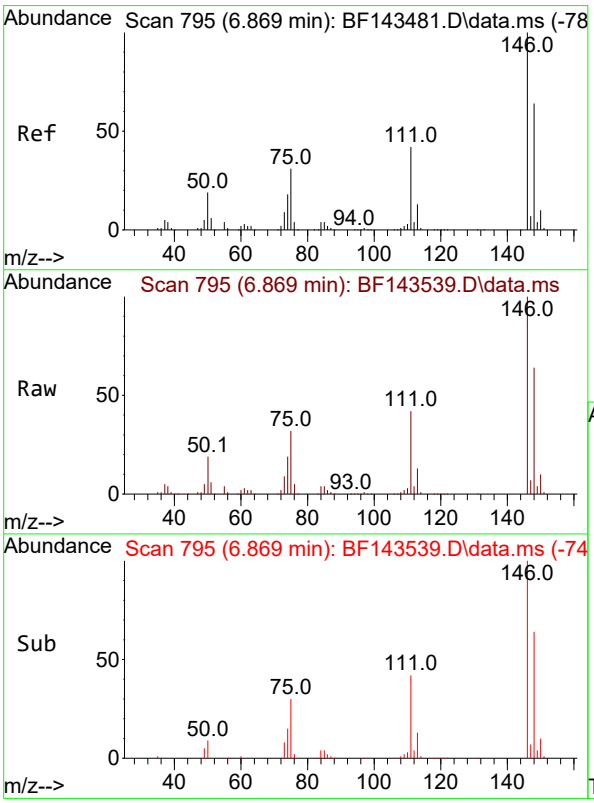
#11
bis(2-Chloroethyl)ether
Concen: 38.774 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 260716

Ion	Ratio	Lower	Upper
93	100		
63	83.5	63.6	103.6
95	32.9	12.8	52.8

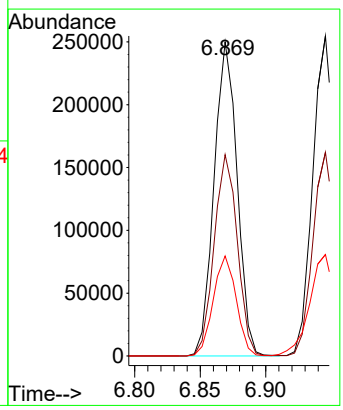


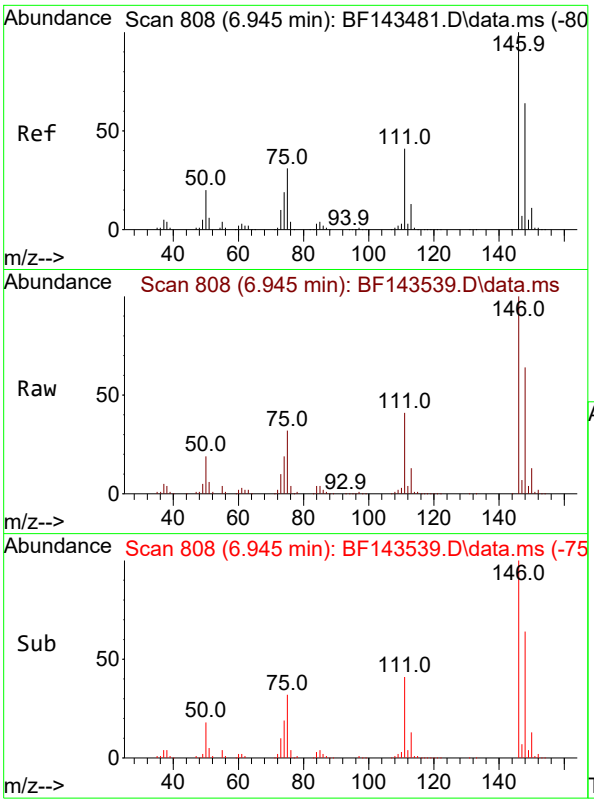


#12
1,3-Dichlorobenzene
Concen: 38.875 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:146 Resp: 305256

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	31.9	24.7	37.1



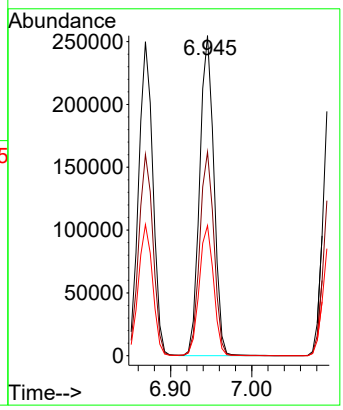


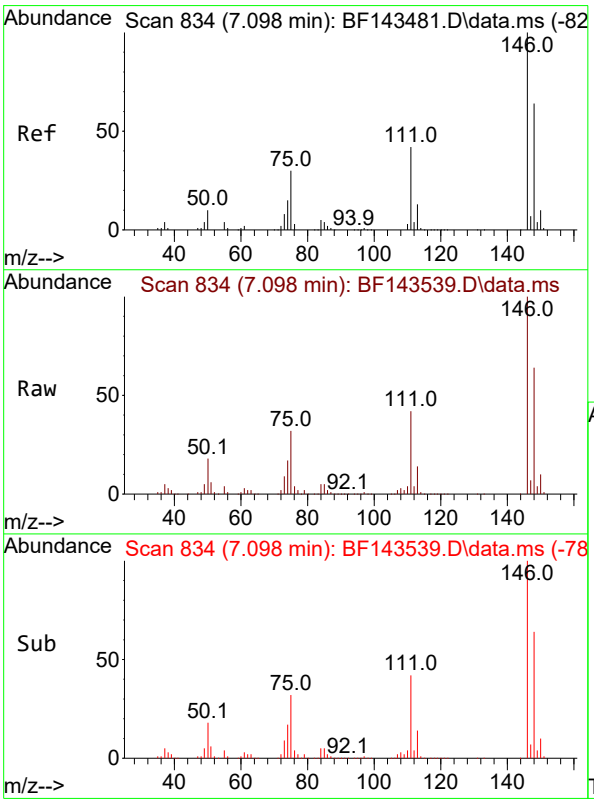
#13
1,4-Dichlorobenzene
Concen: 39.416 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 310463

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	40.7	32.6	49.0

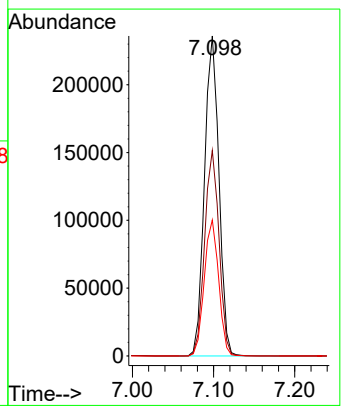


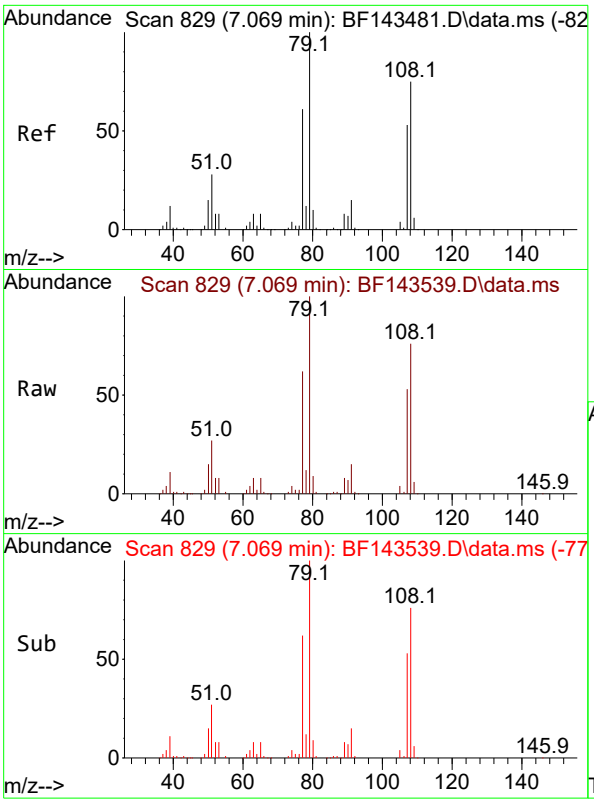


#14
1,2-Dichlorobenzene
Concen: 39.005 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:146 Resp: 290881

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	42.5	34.0	51.0



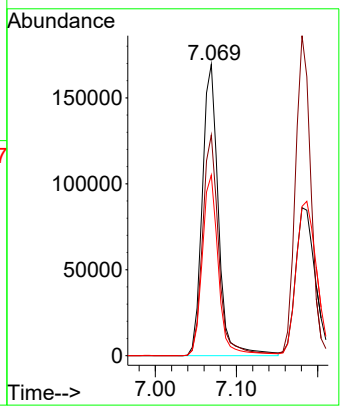


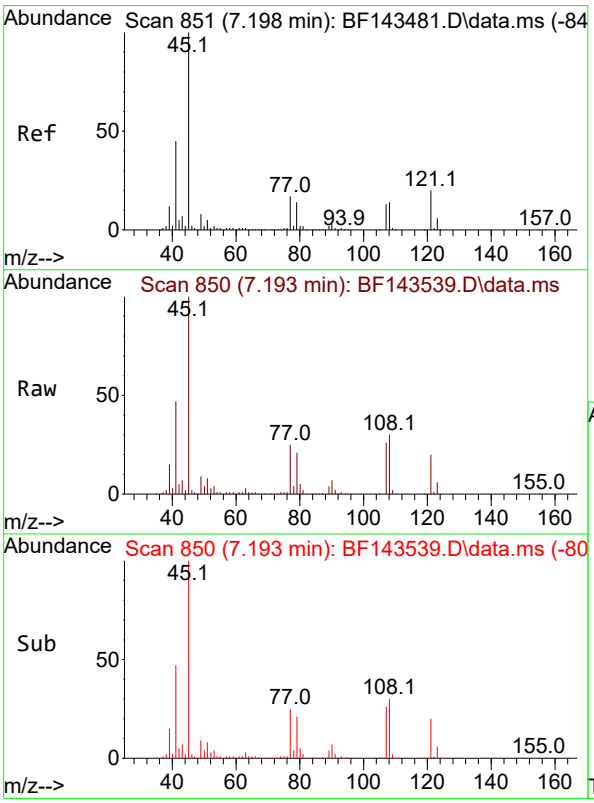
#15
Benzyl Alcohol
Concen: 39.937 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 233545

Ion	Ratio	Lower	Upper
79	100		
108	75.7	59.8	89.6
77	62.0	49.0	73.4

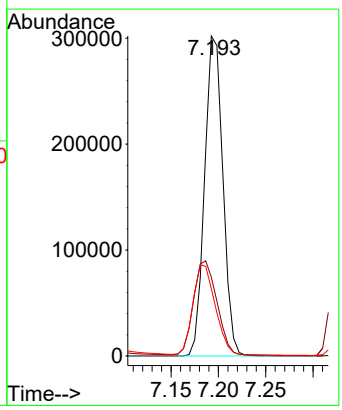


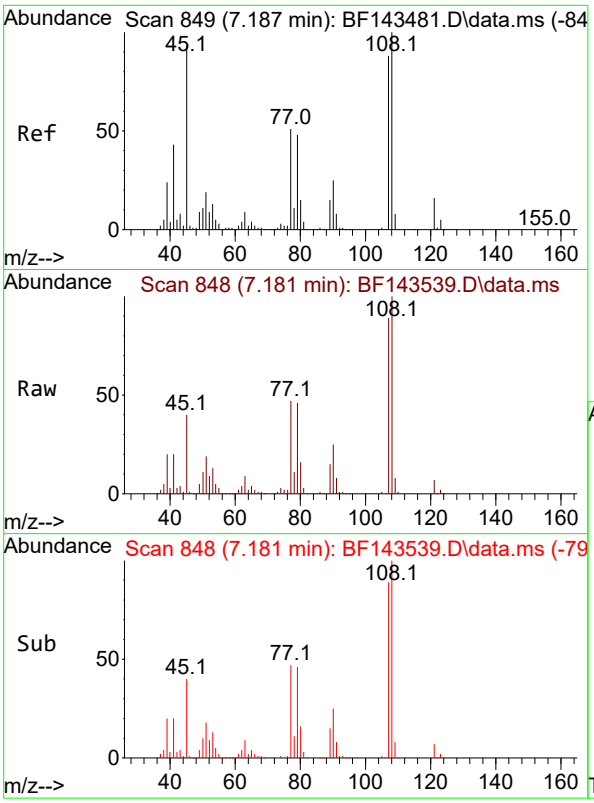


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.707 ng
RT: 7.193 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 45 Resp: 405626

Ion	Ratio	Lower	Upper
45	100		
77	24.6	0.0	37.9
79	21.0	0.0	34.7



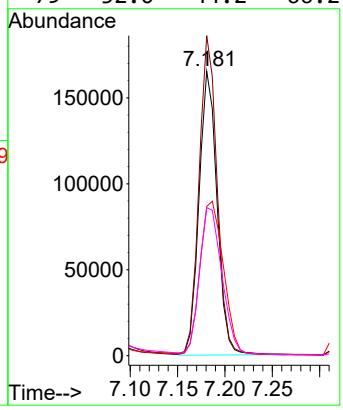


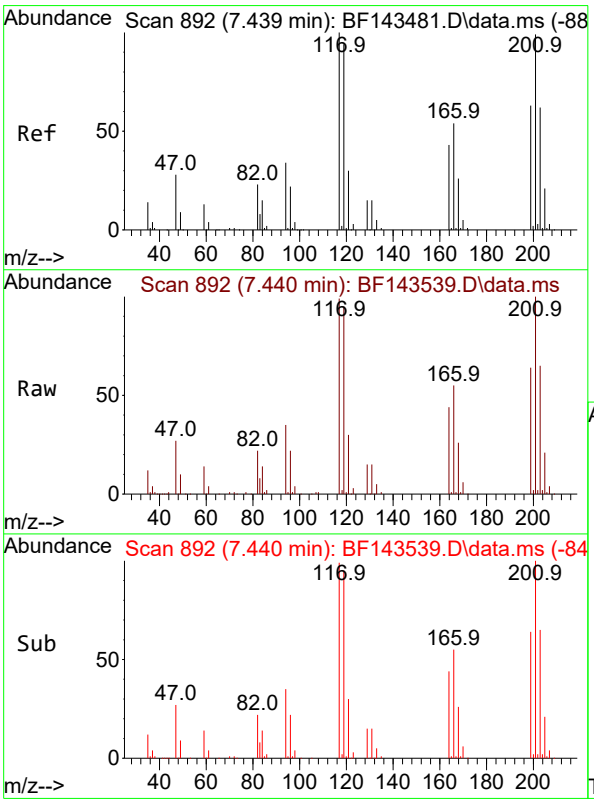
#17
2-Methylphenol
Concen: 38.978 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 218625

Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	52.5	46.2	69.4
79	52.0	44.2	66.2

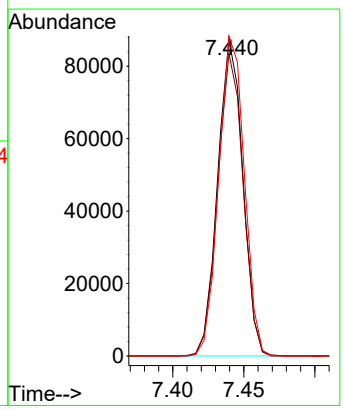


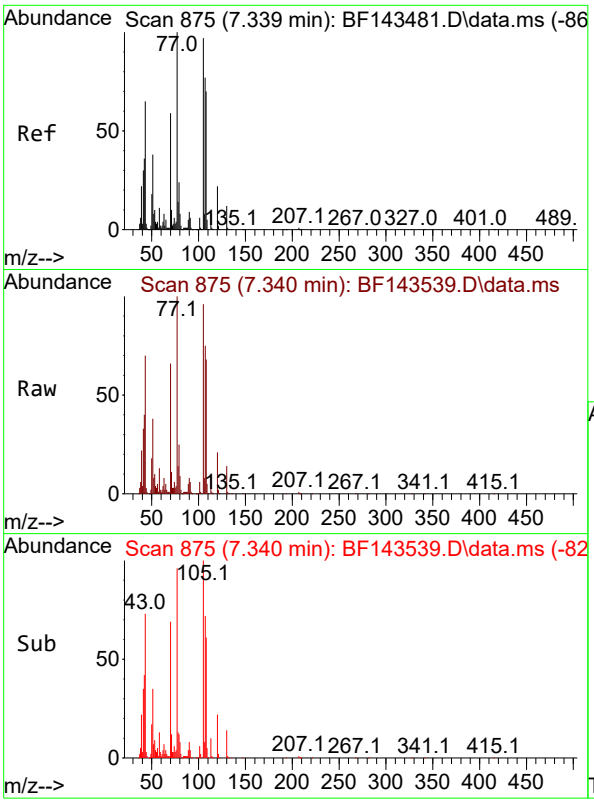


#18
Hexachloroethane
Concen: 40.177 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:117 Resp: 107596

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
201	101.0	79.0	118.4



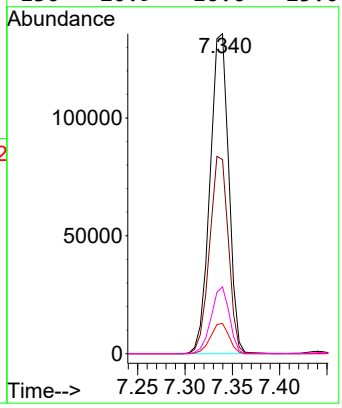


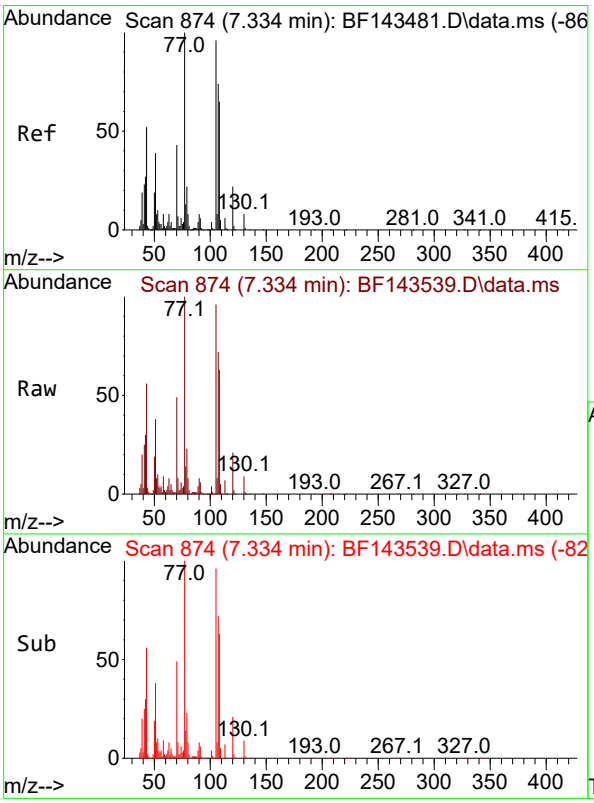
#19
n-Nitroso-di-n-propylamine
Concen: 39.035 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 186353

Ion	Ratio	Lower	Upper
70	100		
42	60.6	49.3	73.9
101	9.5	7.8	11.8
130	20.9	16.6	25.0

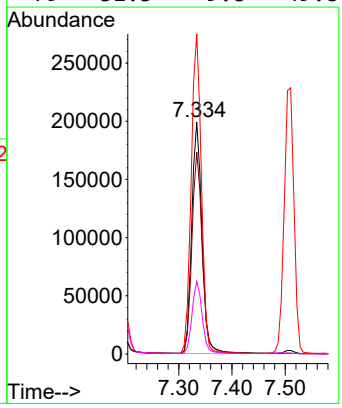


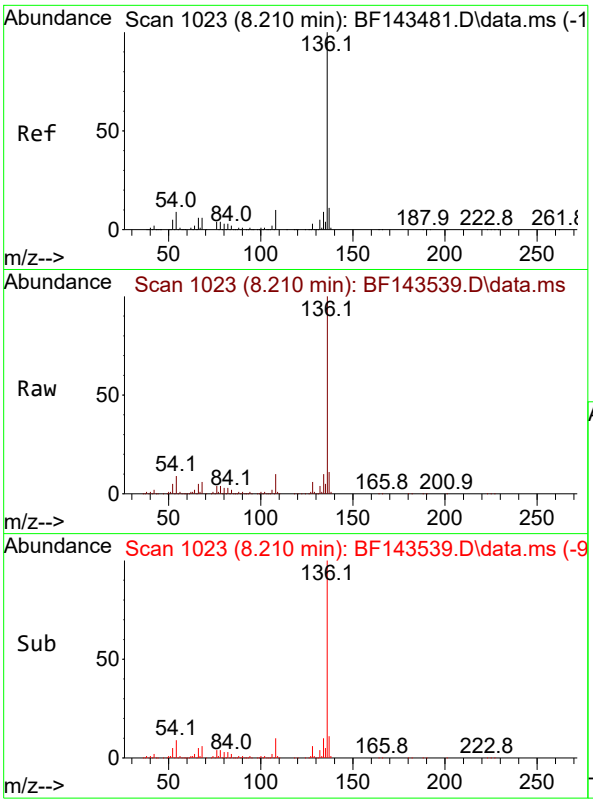


#20
3+4-Methylphenols
Concen: 39.911 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:107 Resp: 267236

Ion	Ratio	Lower	Upper
107	100		
108	87.1	68.4	108.4
77	138.1	116.1	156.1
79	31.3	9.8	49.8



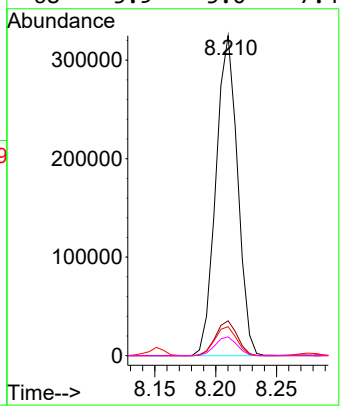


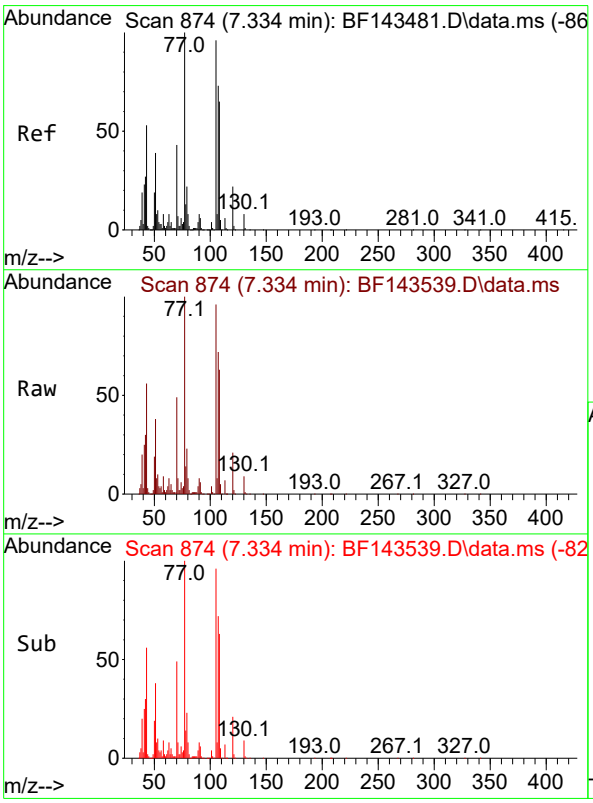
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 402251

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.1	7.4	11.2
68	5.9	5.0	7.4

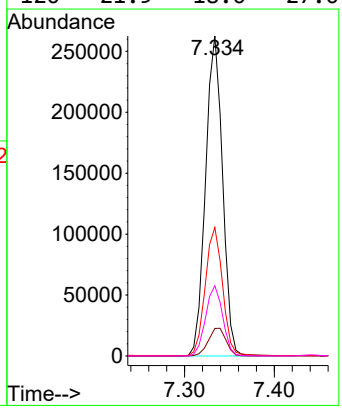


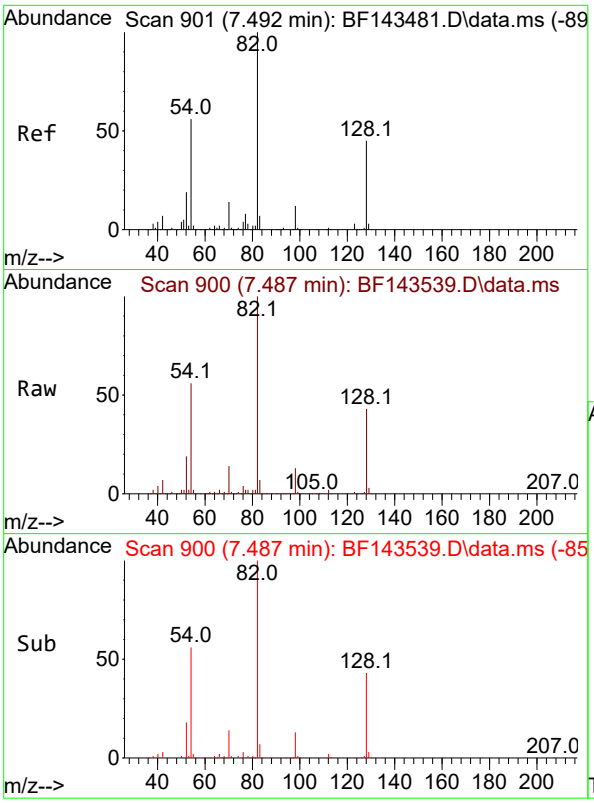


#22
Acetophenone
Concen: 39.831 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:105 Resp: 346144

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.9	8.9
51	40.1	32.5	48.7
120	21.9	18.0	27.0



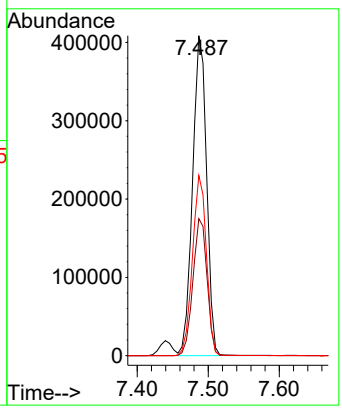


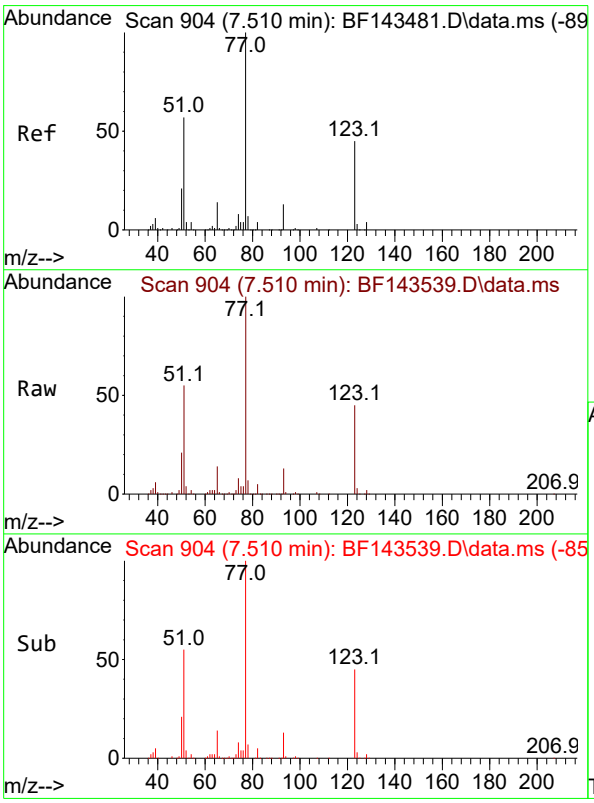
#23
Nitrobenzene-d5
Concen: 81.337 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 560673

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	56.3	44.3	66.5

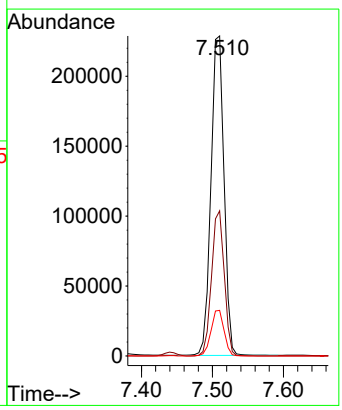


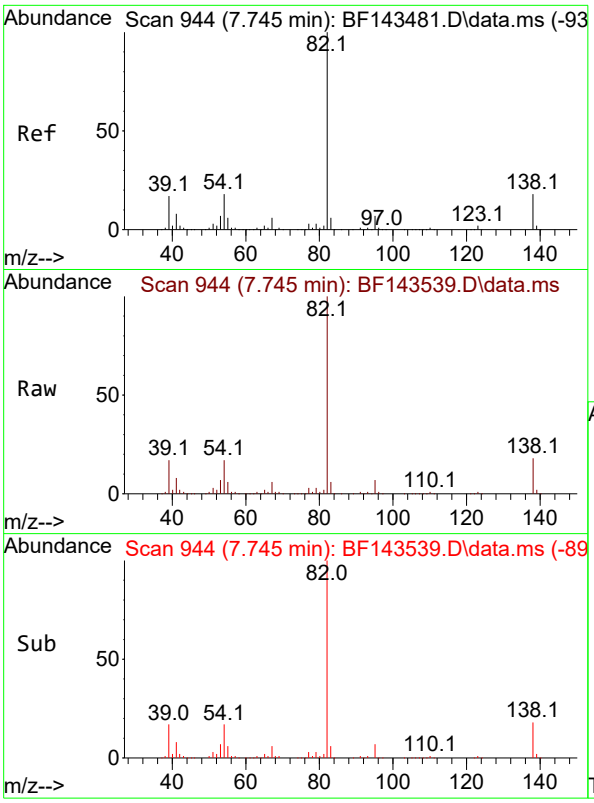


#24
Nitrobenzene
Concen: 41.188 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 77 Resp: 292216

Ion	Ratio	Lower	Upper
77	100		
123	45.3	36.1	54.1
65	14.2	11.0	16.6



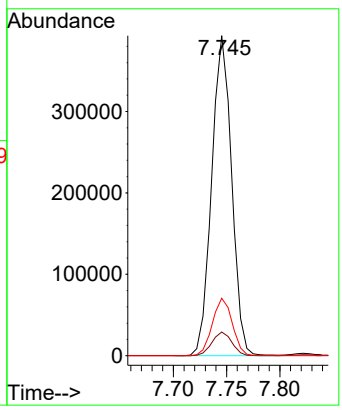


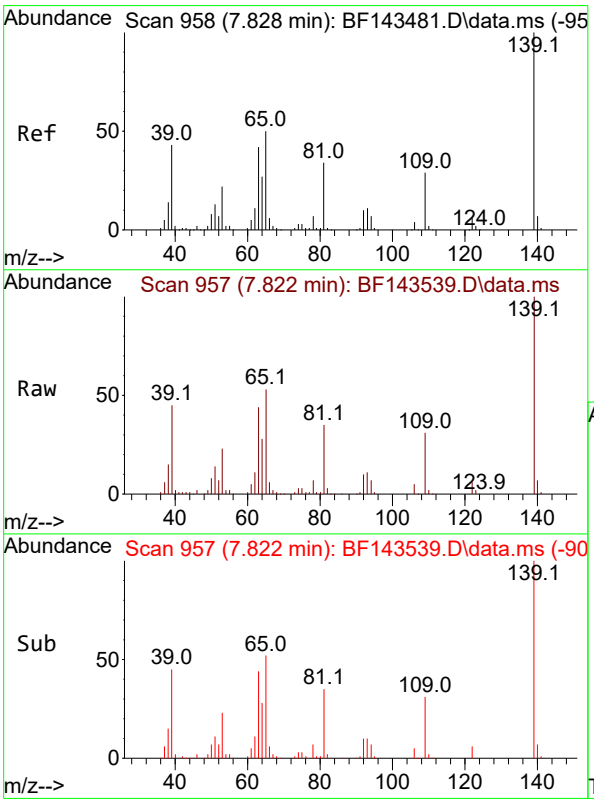
#25
Isophorone
Concen: 40.481 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 511518

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	18.0	14.2	21.4

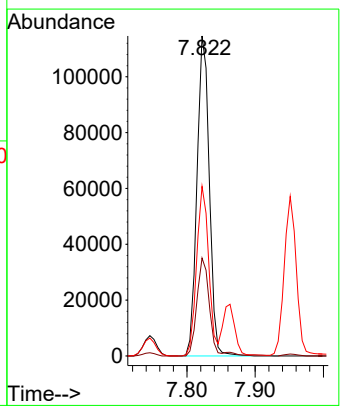


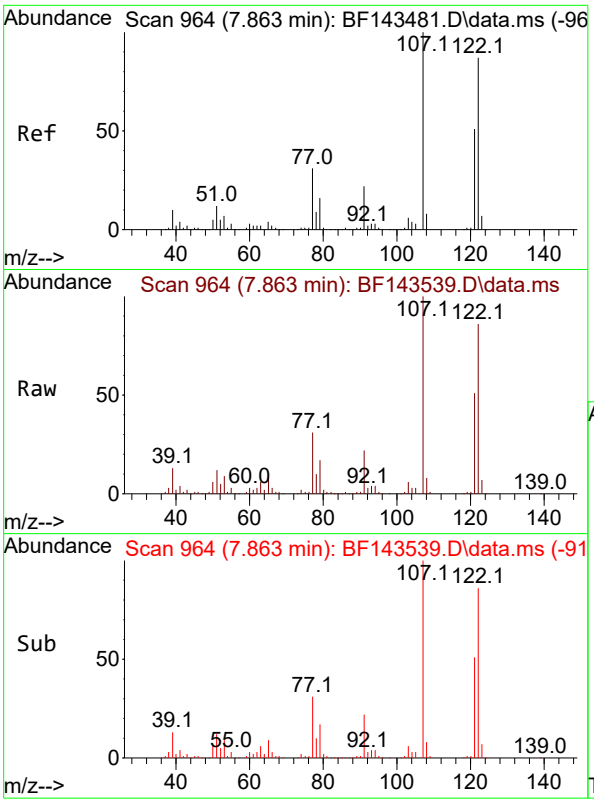


#26
2-Nitrophenol
Concen: 41.538 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:139 Resp: 144354

Ion	Ratio	Lower	Upper
139	100		
109	30.6	23.0	34.6
65	53.0	40.3	60.5



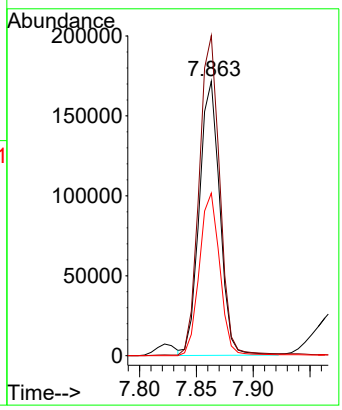


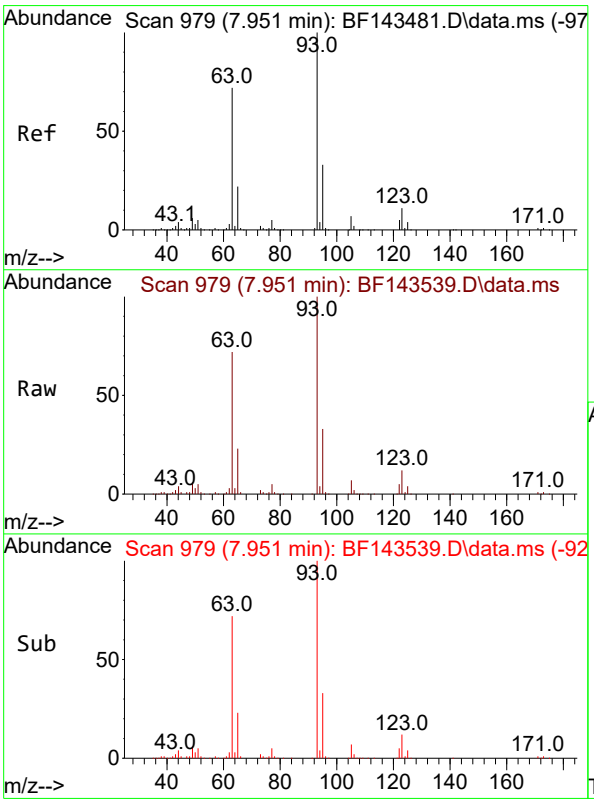
#27
2,4-Dimethylphenol
Concen: 39.611 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 214593

Ion	Ratio	Lower	Upper
122	100		
107	116.6	91.5	137.3
121	59.3	47.0	70.4

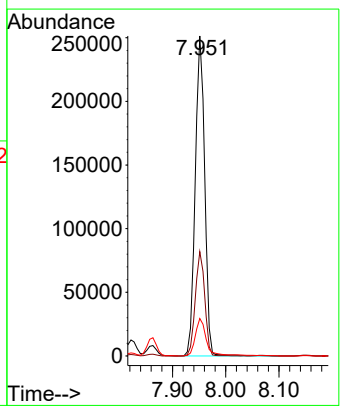


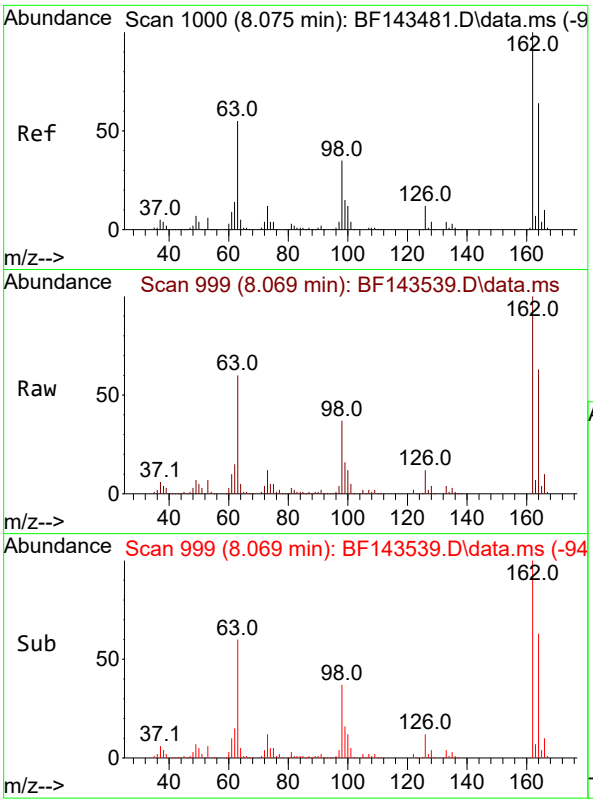


#28
bis(2-Chloroethoxy)methane
Concen: 39.904 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 93 Resp: 309875

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.7	9.1	13.7



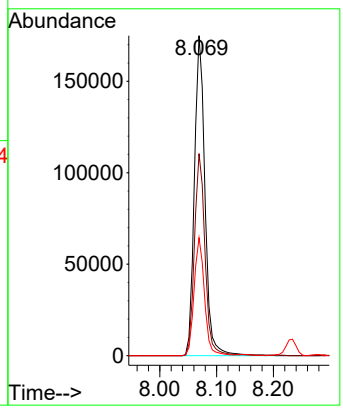


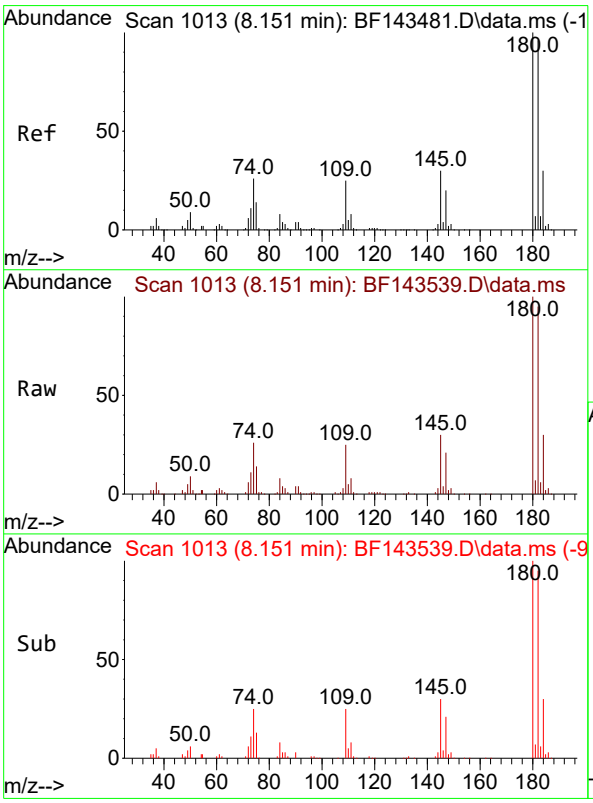
#29
2,4-Dichlorophenol
Concen: 39.400 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 227965

Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.5	83.5
98	36.9	15.1	55.1

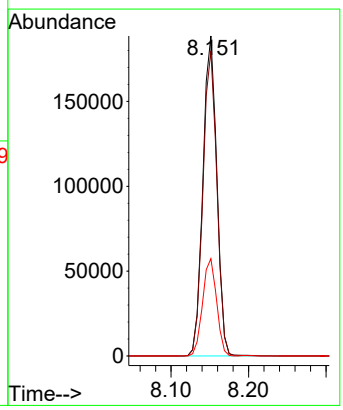


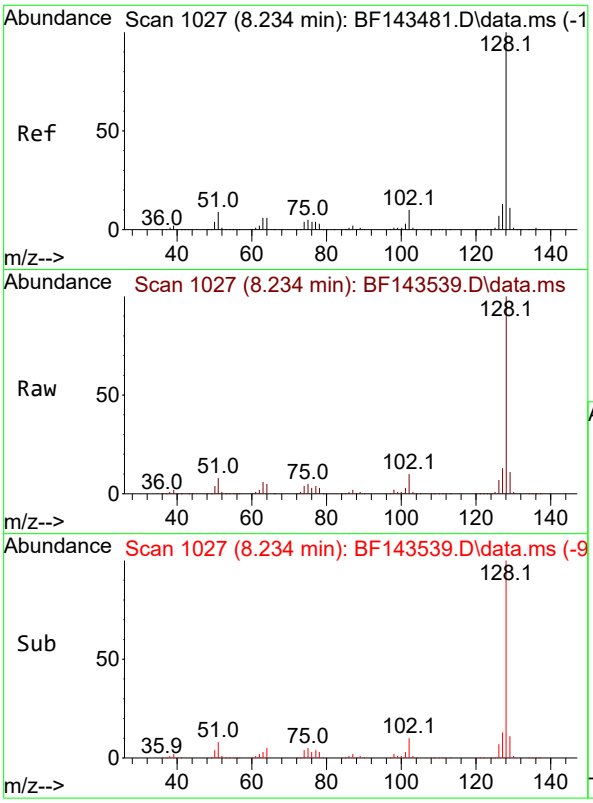


#30
1,2,4-Trichlorobenzene
Concen: 39.508 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:180 Resp: 235019

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	30.4	24.3	36.5



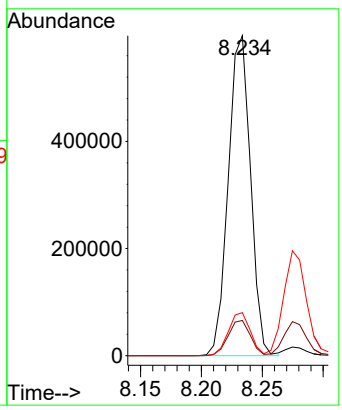


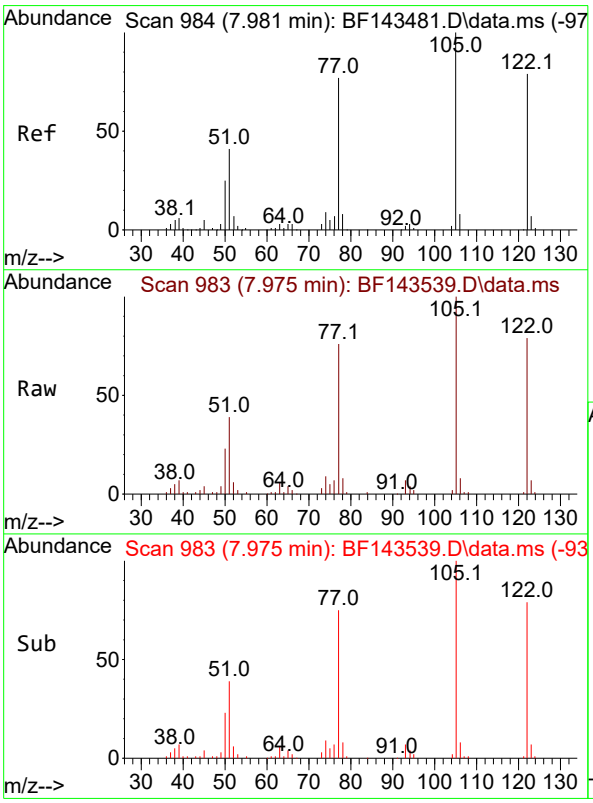
#31
Naphthalene
Concen: 39.258 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 758151

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	16.0

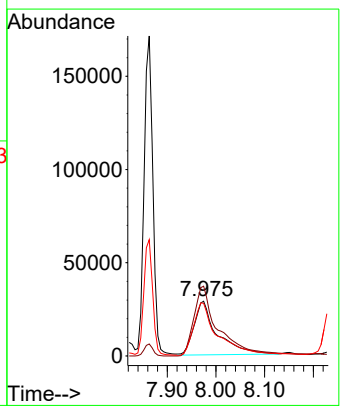


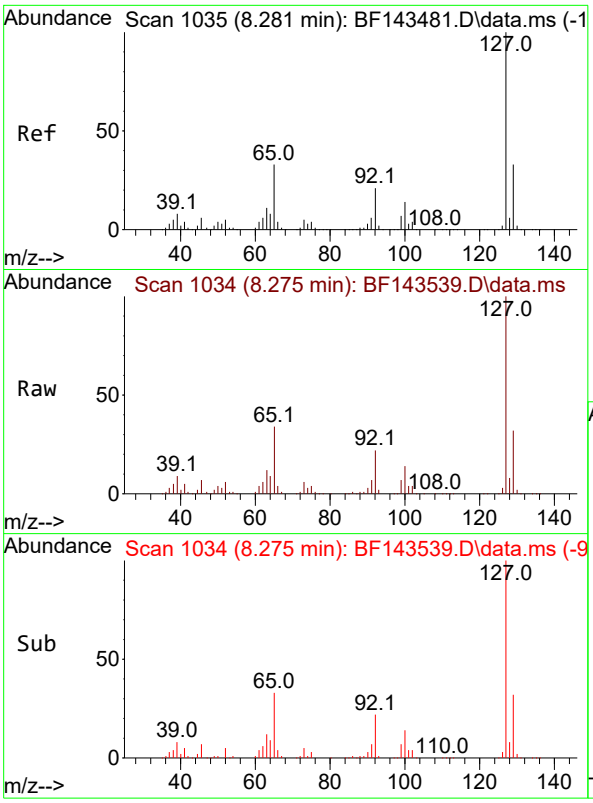


#32
Benzoic acid
Concen: 32.943 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.035 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:122 Resp: 95321

Ion	Ratio	Lower	Upper
122	100		
105	127.3	104.7	144.7
77	96.2	77.3	117.3



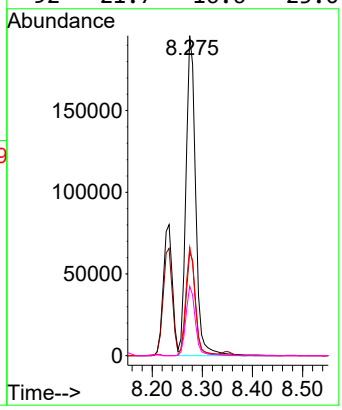


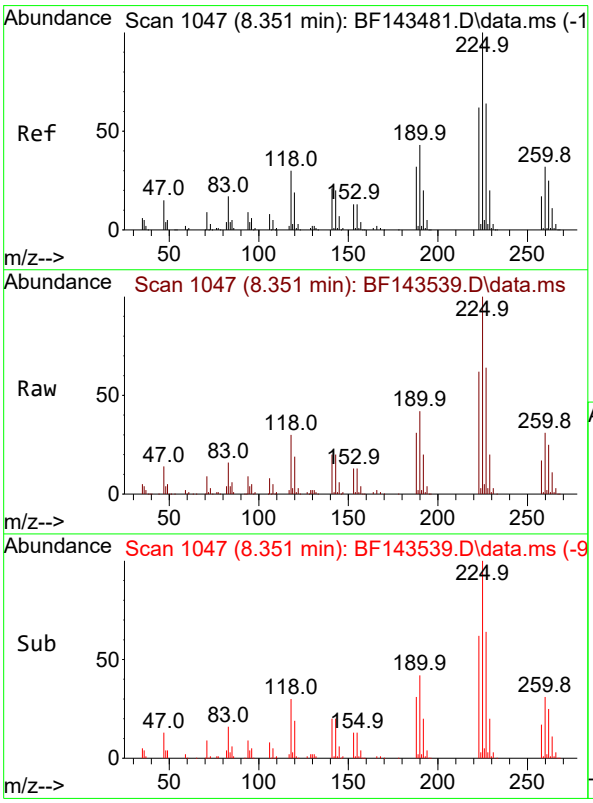
#33
4-Chloroaniline
Concen: 38.570 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 264368

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	34.0	26.2	39.2
92	21.7	16.6	25.0

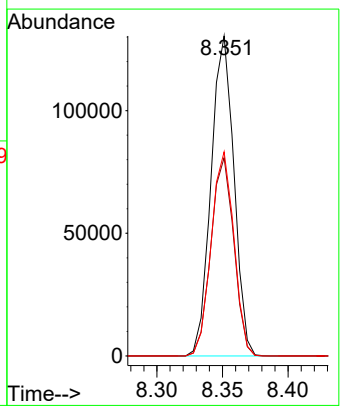


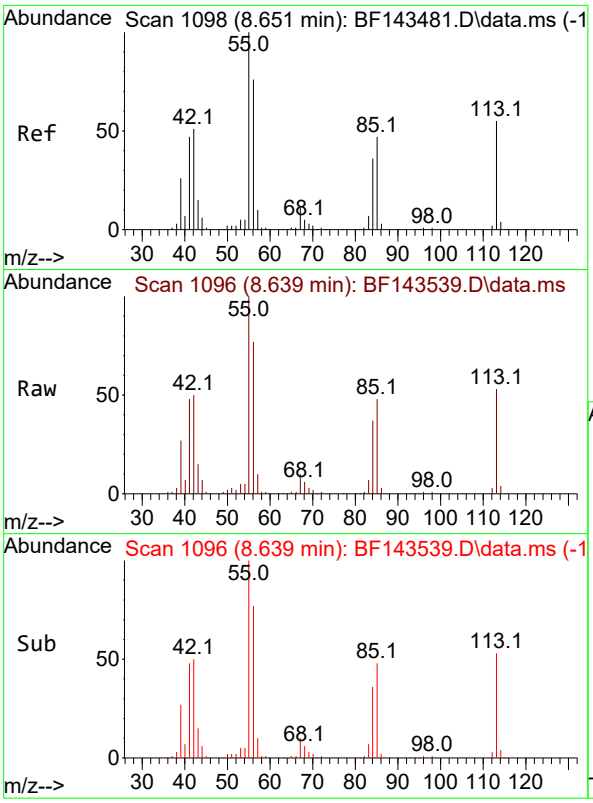


#34
Hexachlorobutadiene
Concen: 40.705 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:225 Resp: 157980

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.9	74.9
227	63.8	50.9	76.3



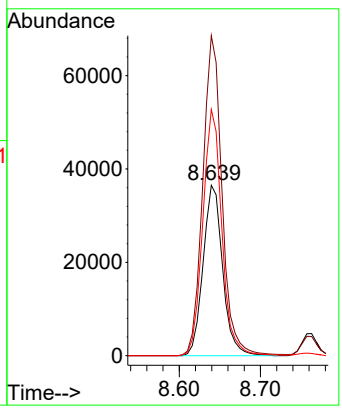


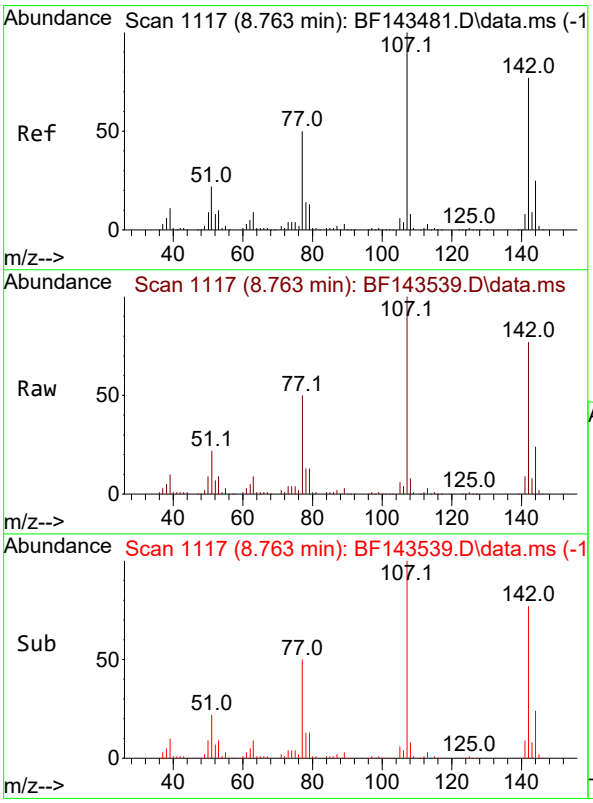
#35
Caprolactam
Concen: 43.789 ng
RT: 8.639 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 60796

Ion	Ratio	Lower	Upper
113	100		
55	187.8	162.8	202.8
56	144.5	118.1	158.1

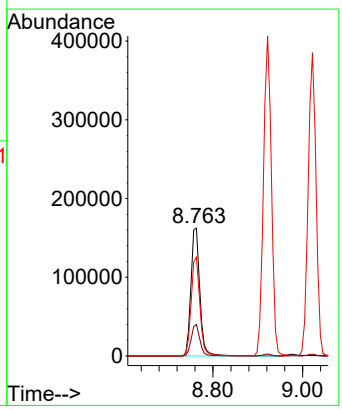


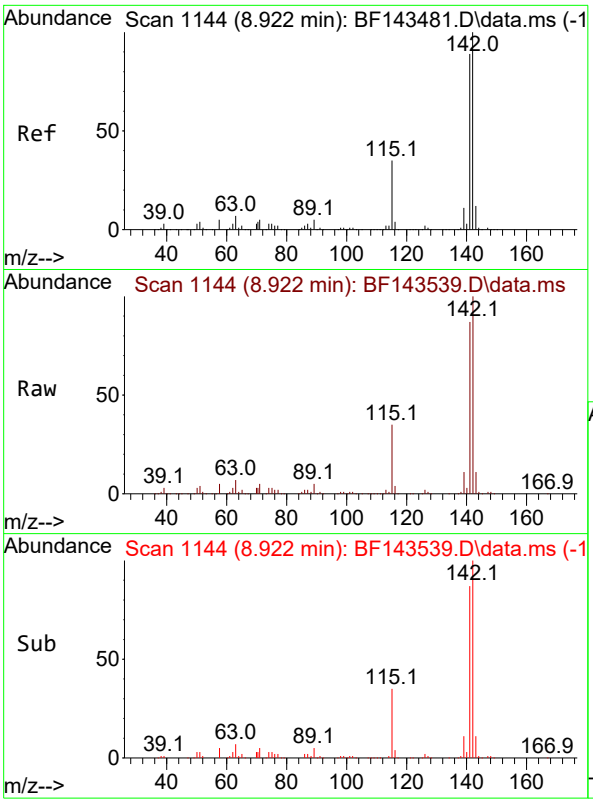


#36
4-Chloro-3-methylphenol
Concen: 38.769 ng
RT: 8.763 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:107 Resp: 224793

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.9	29.9
142	77.4	61.8	92.8



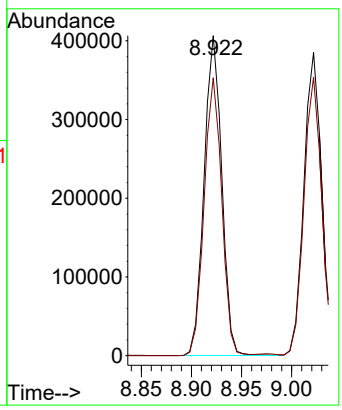


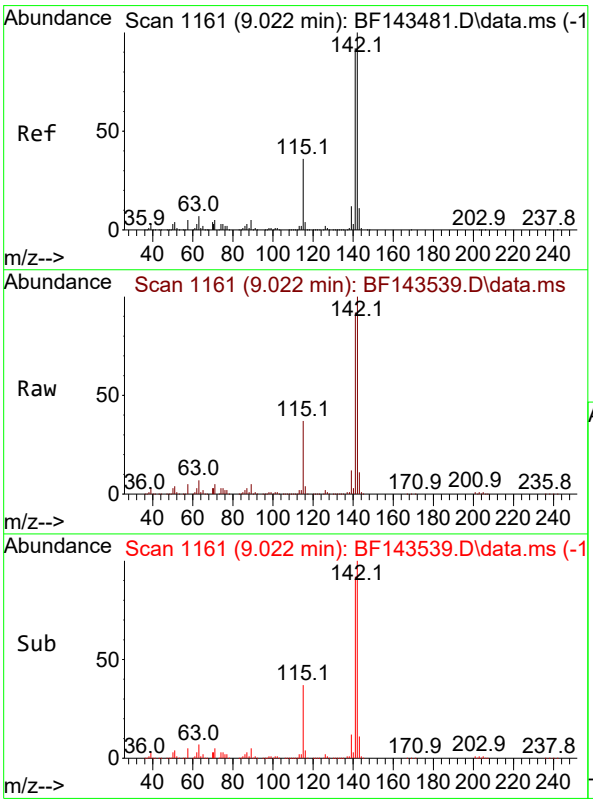
#37
2-Methylnaphthalene
Concen: 38.680 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 498908

Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.0	106.4

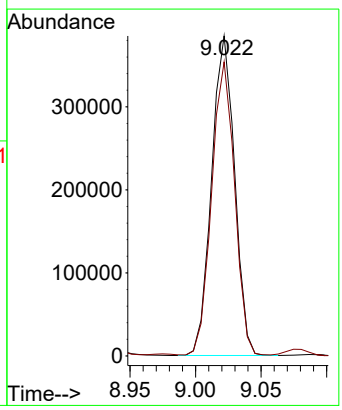


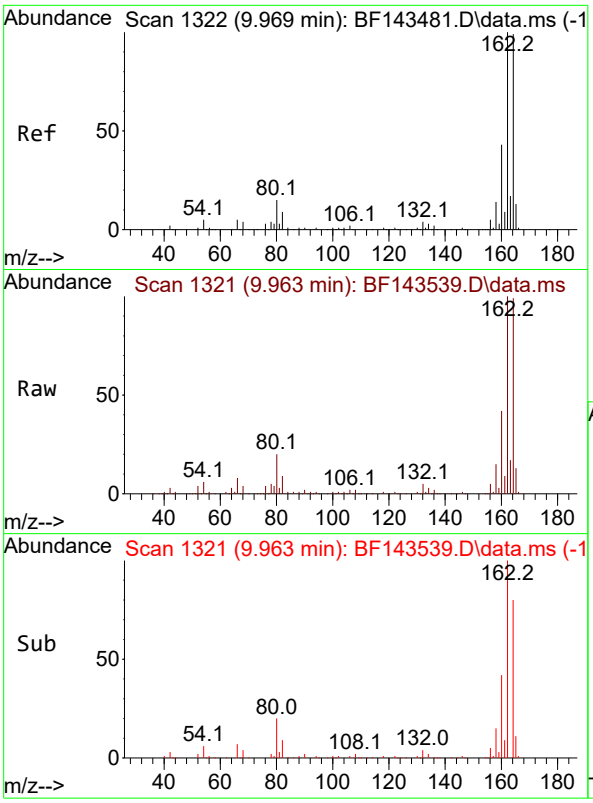


#38
1-Methylnaphthalene
Concen: 38.013 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:142 Resp: 468992

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.3	109.9



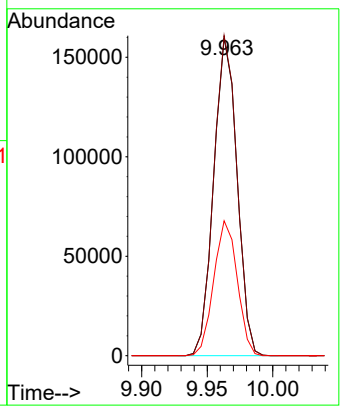


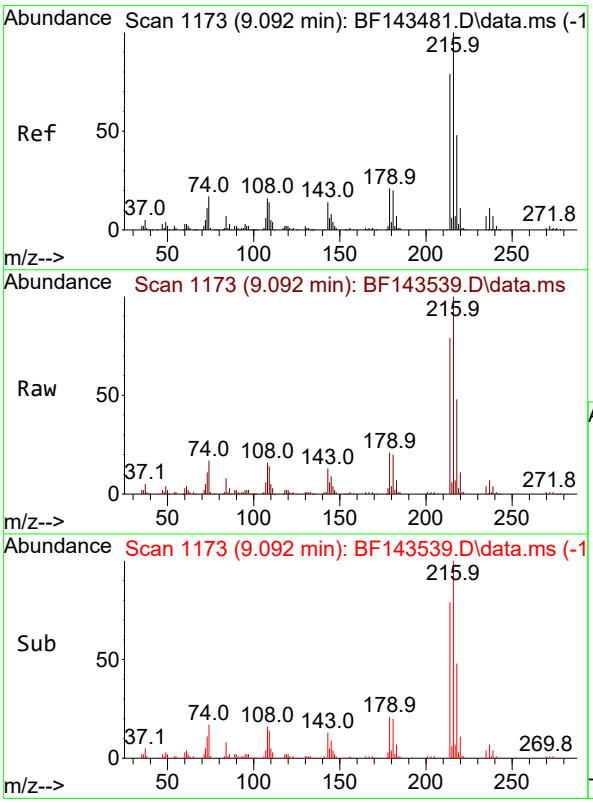
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 197751

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.5	120.7
160	42.5	34.3	51.5

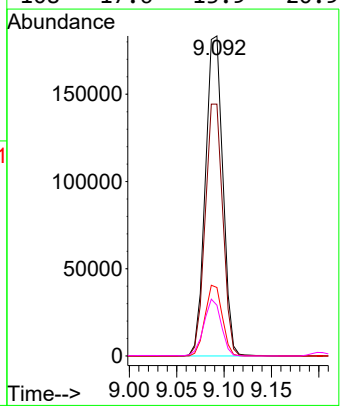


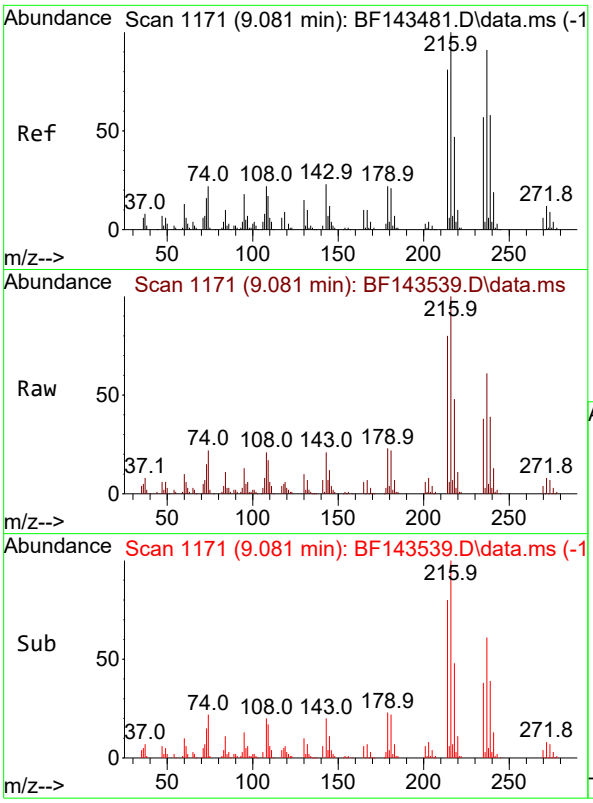


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.583 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:216 Resp: 235213

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.0
179	21.7	16.5	24.7
108	17.6	13.9	20.9



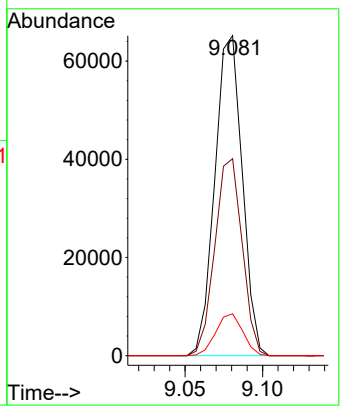


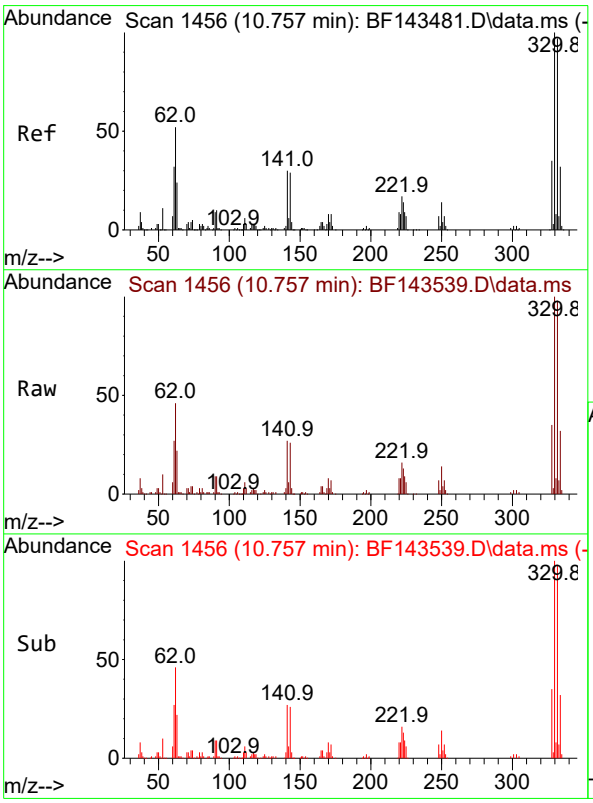
#41
Hexachlorocyclopentadiene
Concen: 40.008 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 80228

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.6	82.6
272	13.1	0.0	33.4

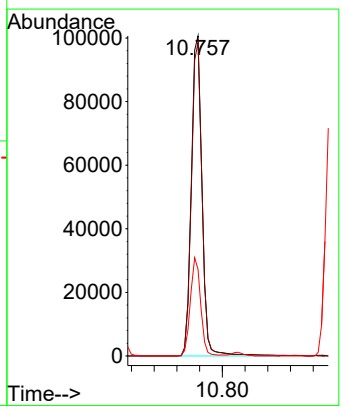


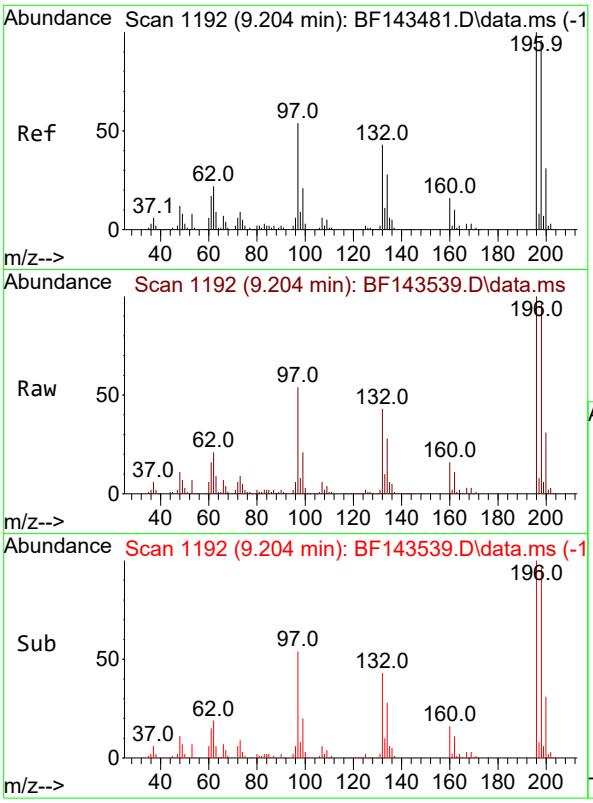


#42
2,4,6-Tribromophenol
Concen: 71.678 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:330 Resp: 131942

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	29.7	23.7	35.5



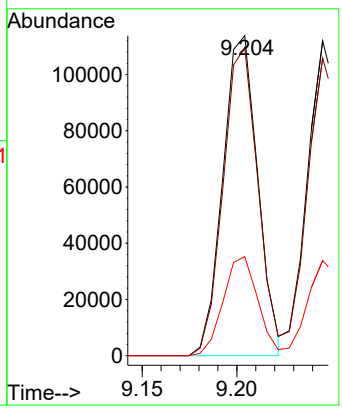


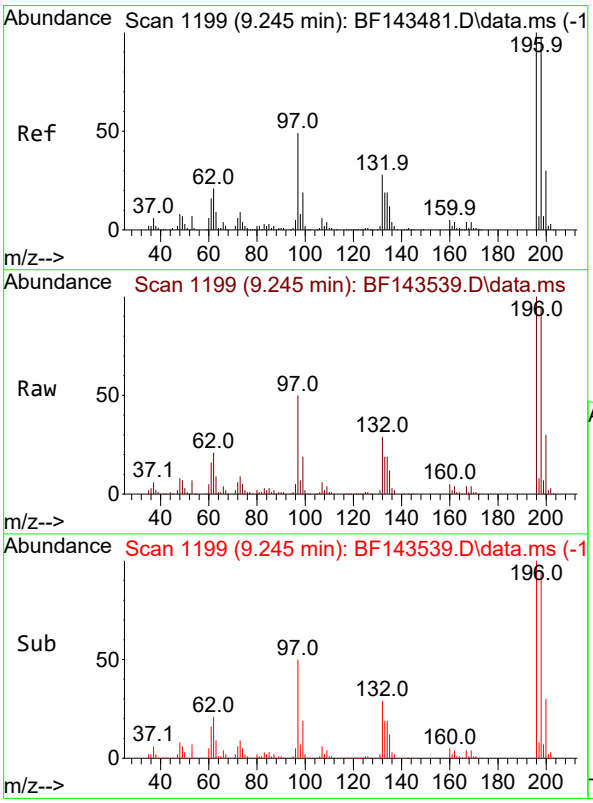
#43
2,4,6-Trichlorophenol
Concen: 41.956 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 146031

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.0	115.4
200	31.0	24.6	37.0

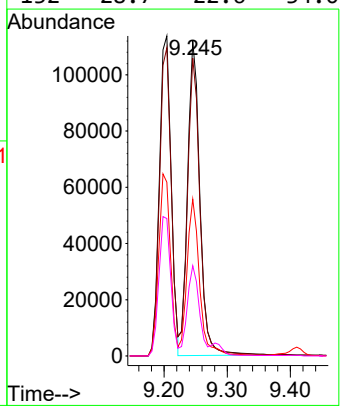


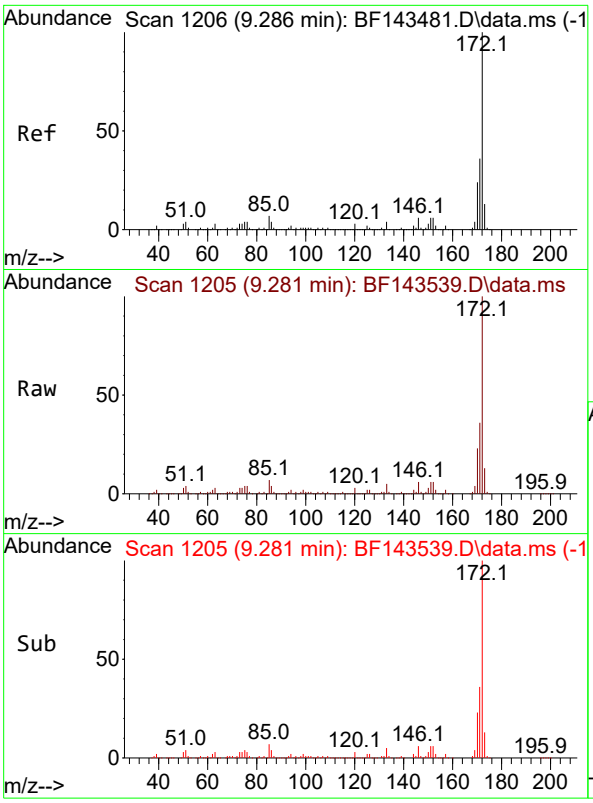


#44
2,4,5-Trichlorophenol
Concen: 40.224 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:196 Resp: 152926

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.3	115.9
97	49.8	40.0	60.0
132	28.7	22.6	34.0



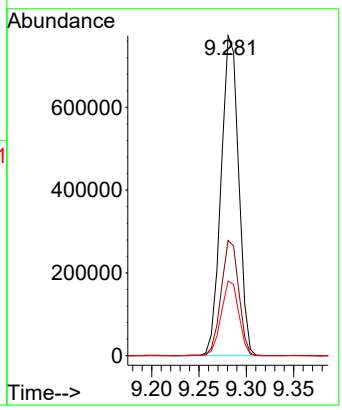


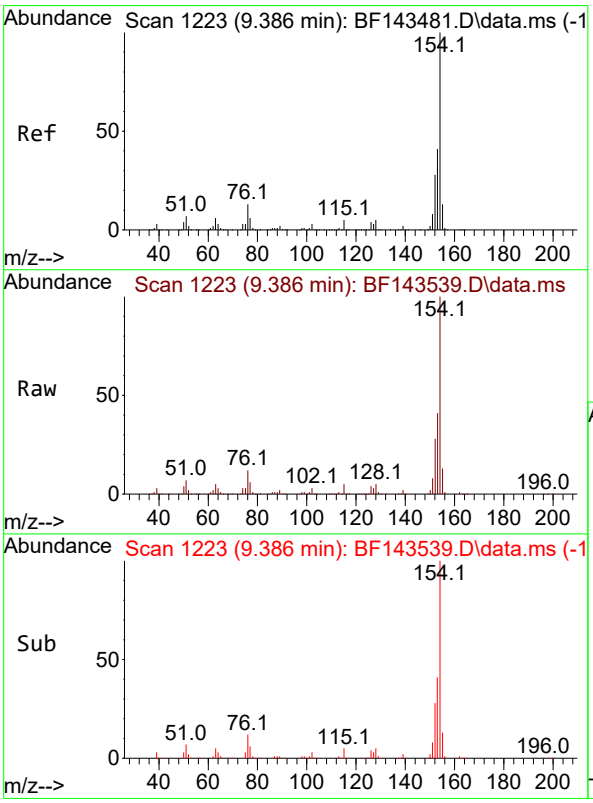
#45
2-Fluorobiphenyl
Concen: 83.673 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1001186

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.4	18.8	28.2

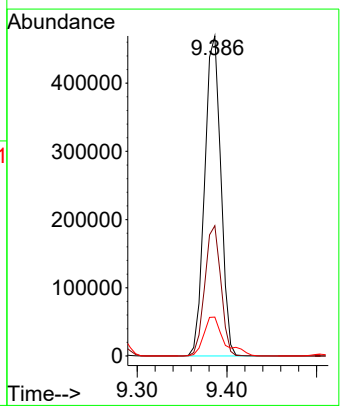


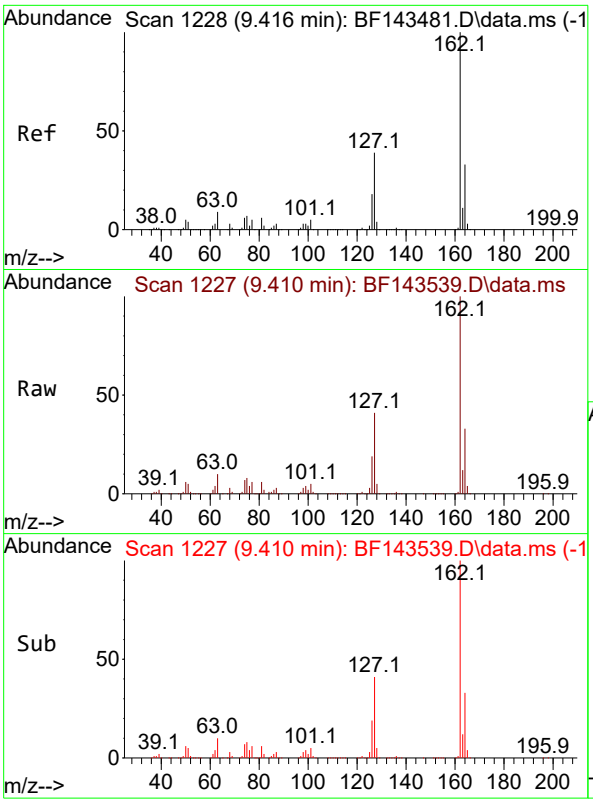


#46
1,1'-Biphenyl
Concen: 41.811 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:154 Resp: 586854

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	12.1	0.0	33.0



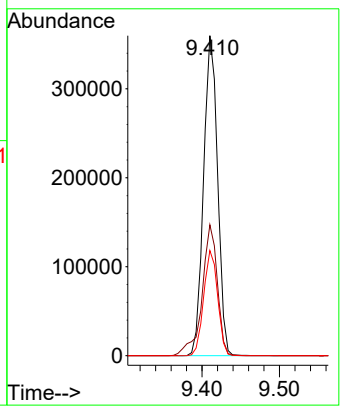


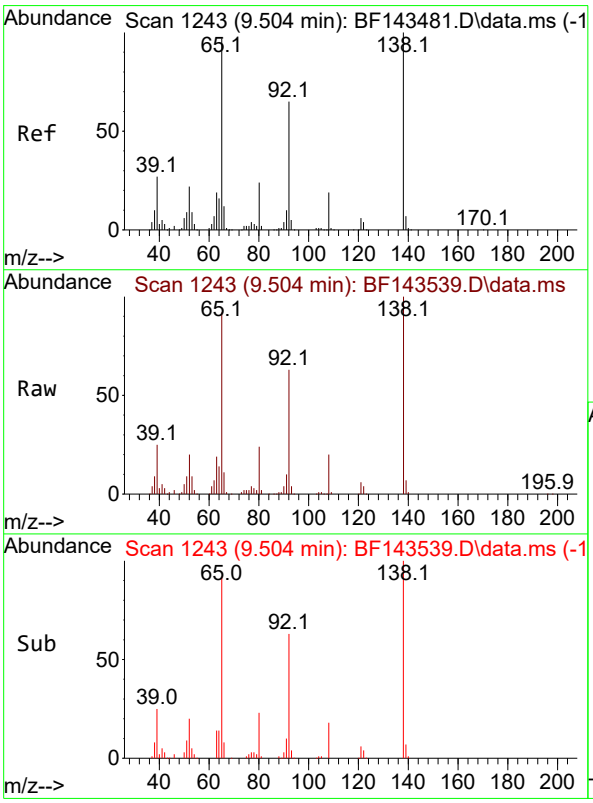
#47
2-Chloronaphthalene
Concen: 41.011 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 451645

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.8	47.6
164	32.8	26.4	39.6

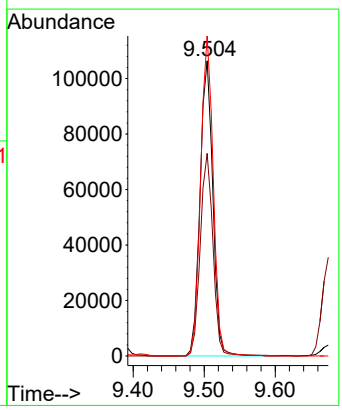


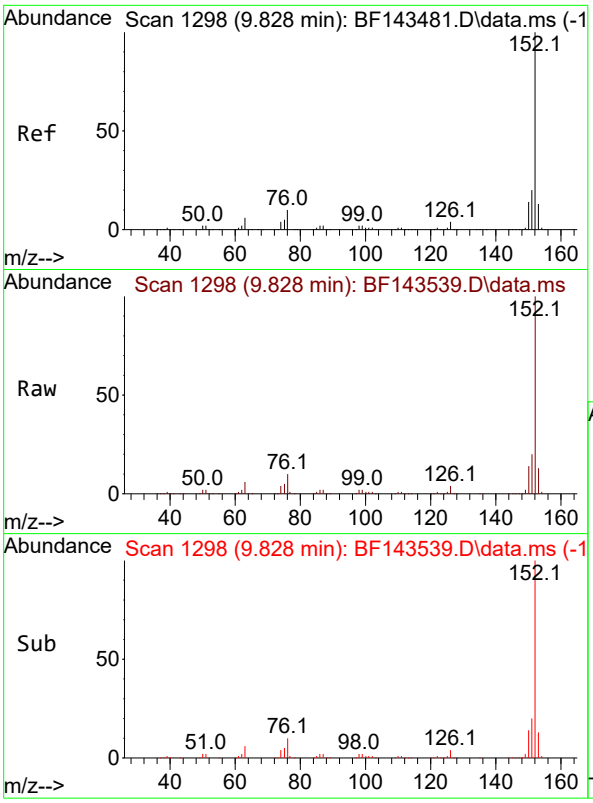


#48
2-Nitroaniline
Concen: 41.582 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion: 65 Resp: 134022

Ion	Ratio	Lower	Upper
65	100		
92	68.6	53.8	80.6
138	108.4	82.4	123.6



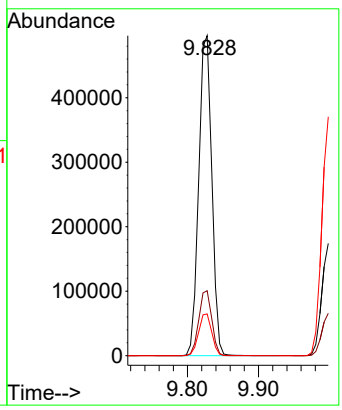


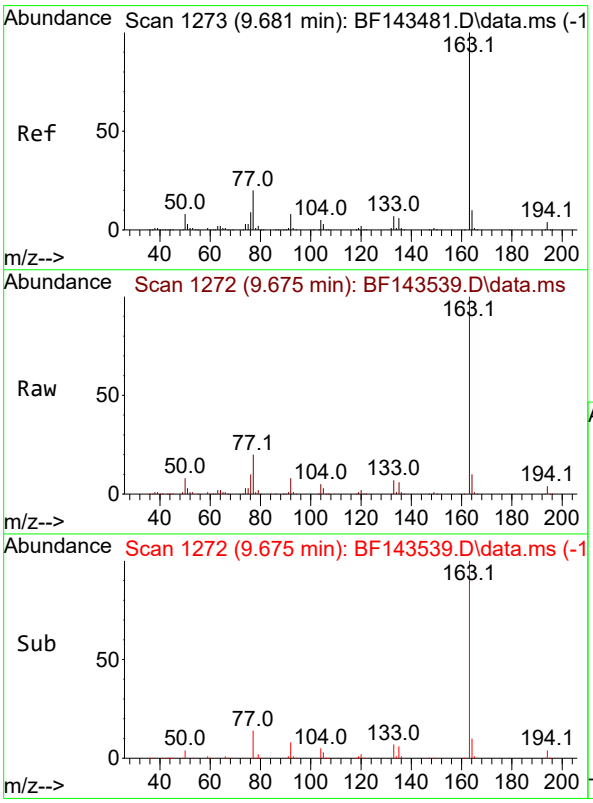
#49
Acenaphthylene
Concen: 40.434 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 637603

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.0	10.6	15.8

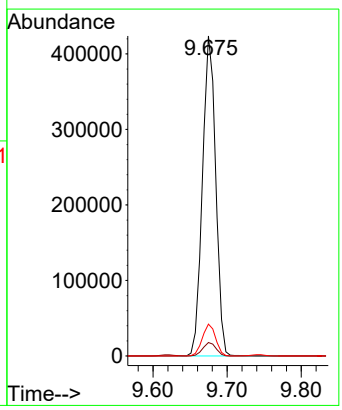


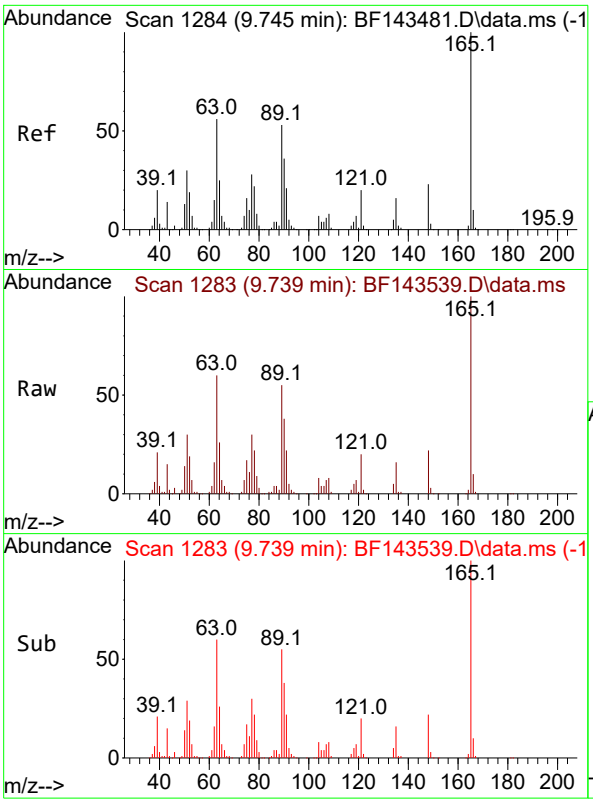


#50
Dimethylphthalate
Concen: 44.261 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:163 Resp: 527145

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.2	12.2



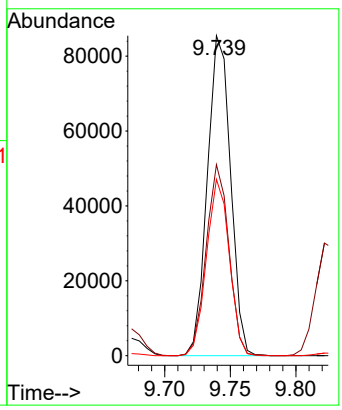


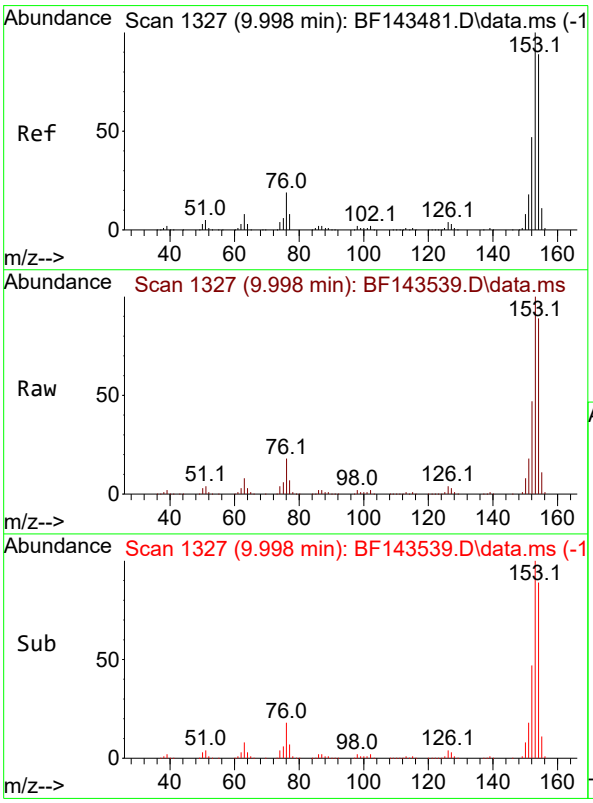
#51
2,6-Dinitrotoluene
Concen: 42.723 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 105458

Ion	Ratio	Lower	Upper
165	100		
63	59.7	45.0	67.6
89	55.1	42.5	63.7

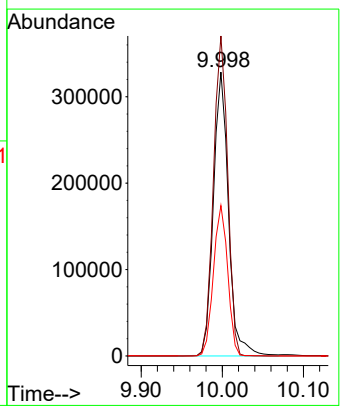


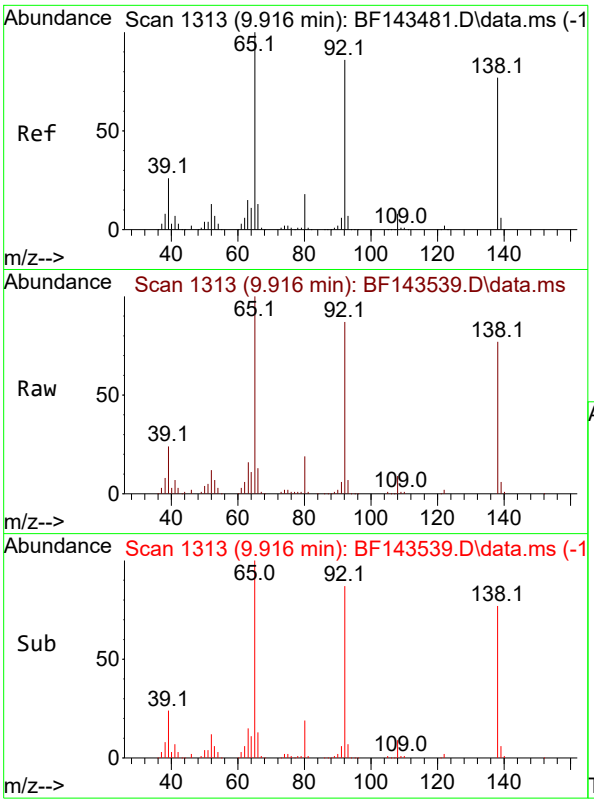


#52
Acenaphthene
Concen: 39.741 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:154 Resp: 425489

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.5	134.3
152	53.0	42.5	63.7



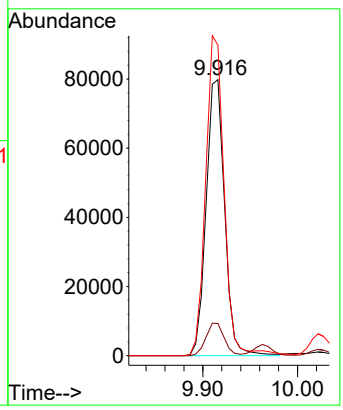


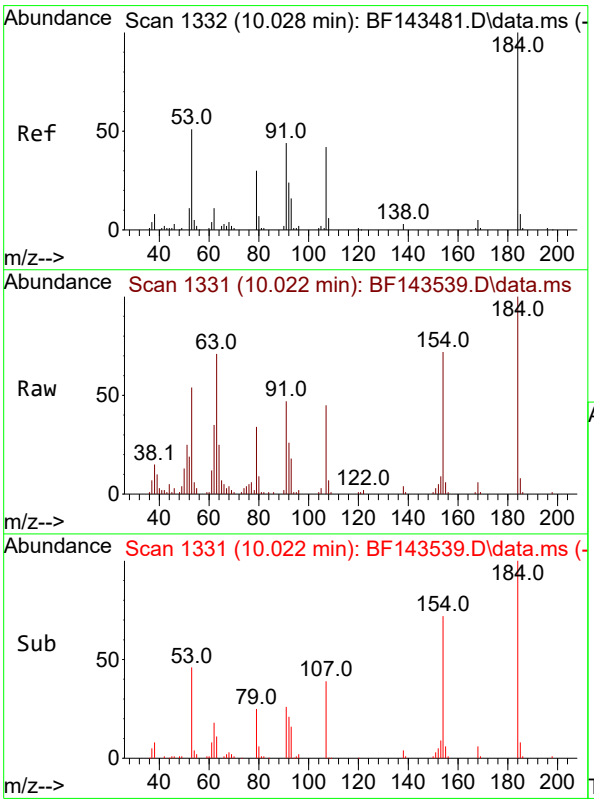
#53
3-Nitroaniline
Concen: 40.609 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 108314

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.6	13.0
92	112.5	89.8	134.8

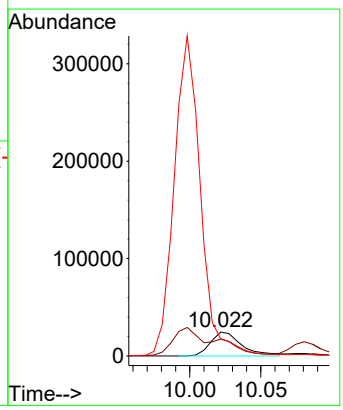


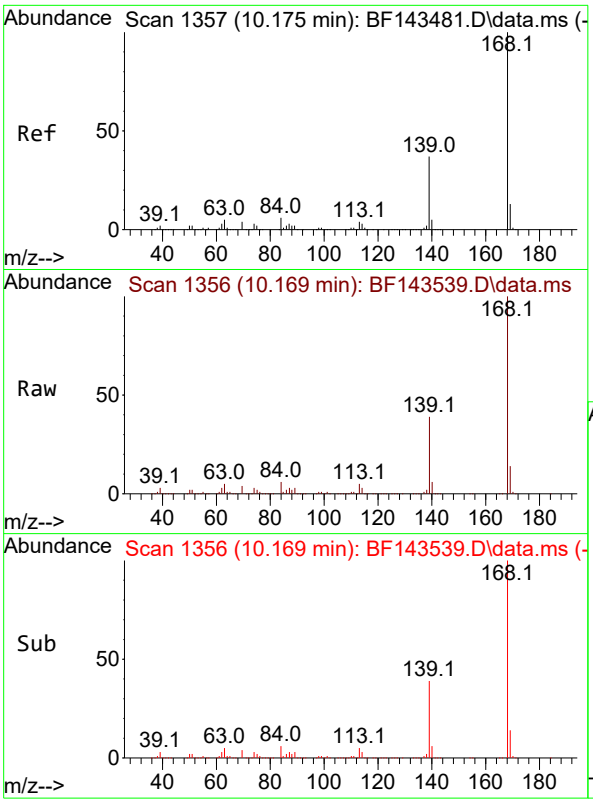


#54
2,4-Dinitrophenol
Concen: 31.881 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:184 Resp: 37584

Ion	Ratio	Lower	Upper
184	100		
63	70.7	52.6	78.8
154	71.6	51.0	76.4



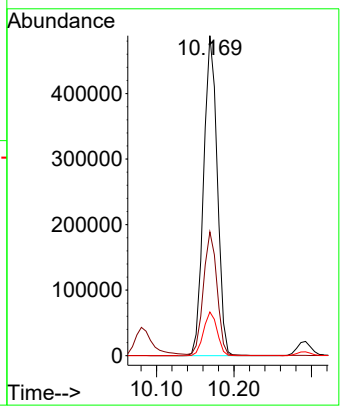


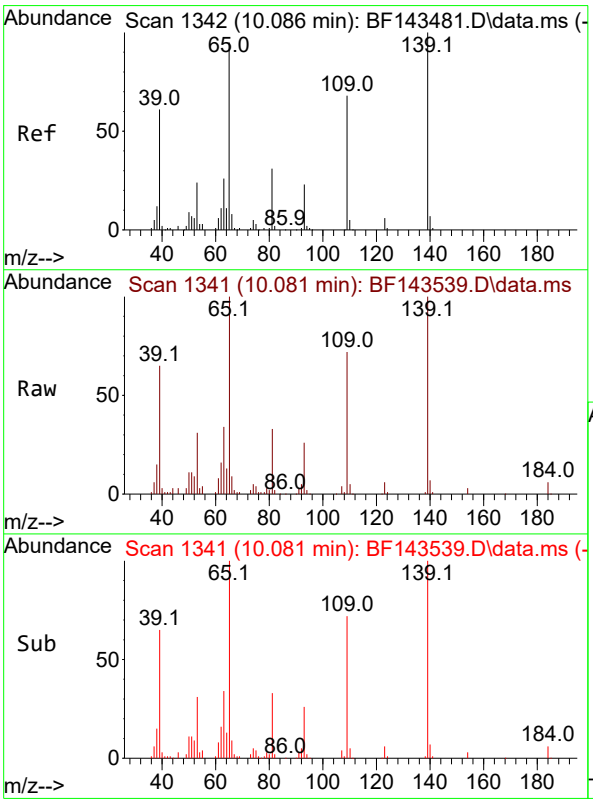
#55
Dibenzofuran
Concen: 39.052 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 596110

Ion	Ratio	Lower	Upper
168	100		
139	38.7	29.8	44.6
169	13.7	10.8	16.2

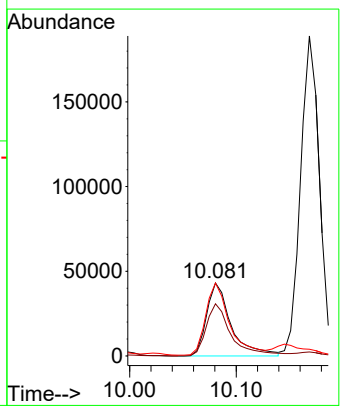


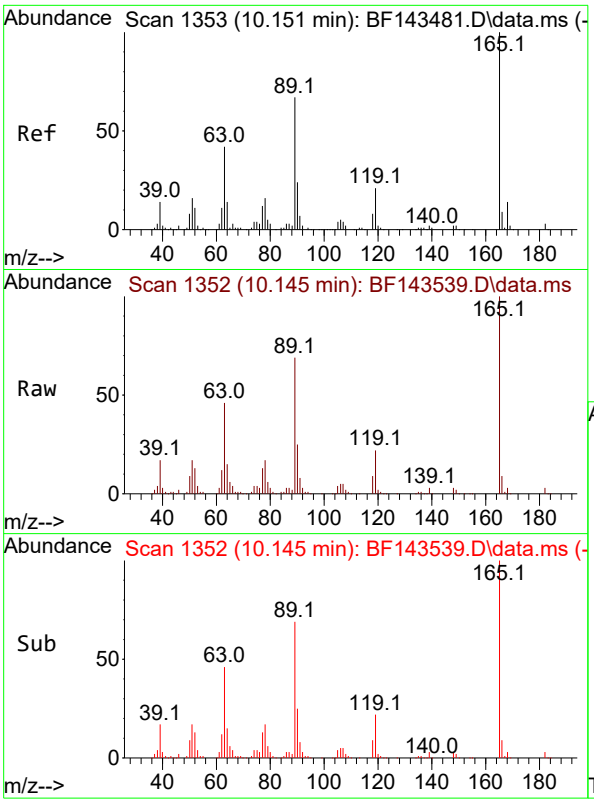


#56
4-Nitrophenol
Concen: 43.542 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:139 Resp: 69103

Ion	Ratio	Lower	Upper
139	100		
109	71.5	48.2	88.2
65	99.9	75.8	115.8



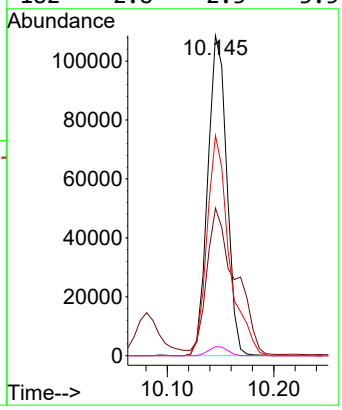


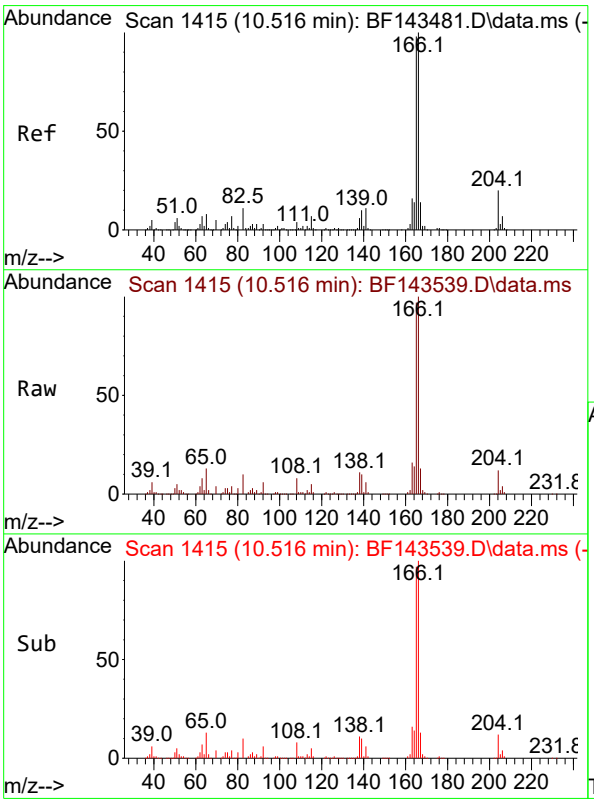
#57
2,4-Dinitrotoluene
Concen: 40.847 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 134631

Ion	Ratio	Lower	Upper
165	100		
63	46.1	34.9	52.3
89	68.8	53.3	79.9
182	2.8	2.3	3.5

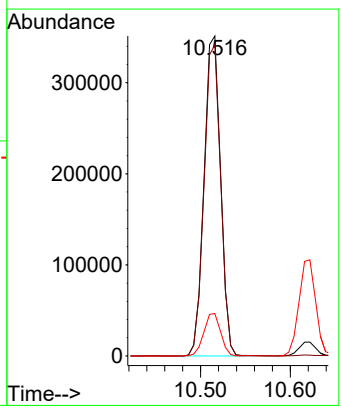


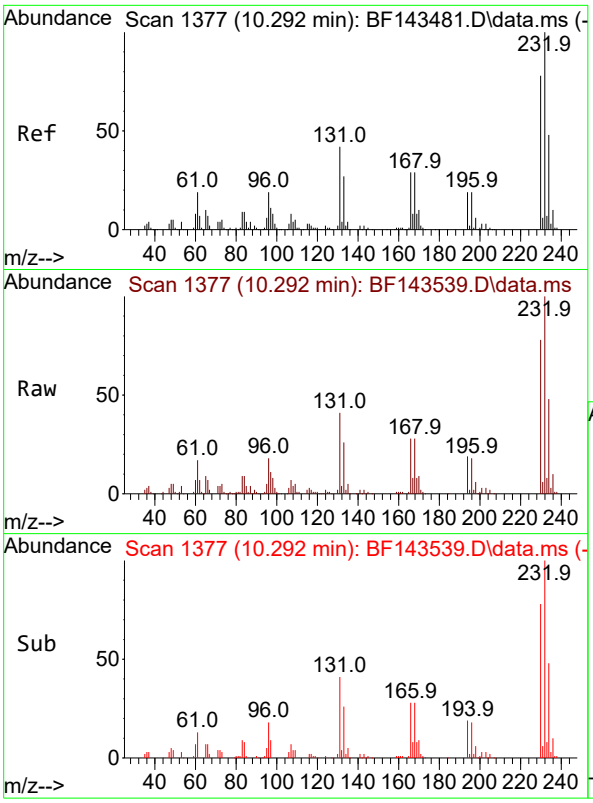


#58
Fluorene
Concen: 38.364 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:166 Resp: 450707

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.3	117.5
167	13.2	11.0	16.4



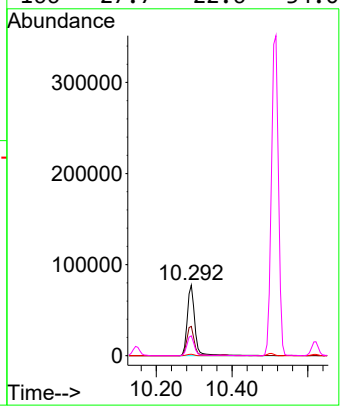


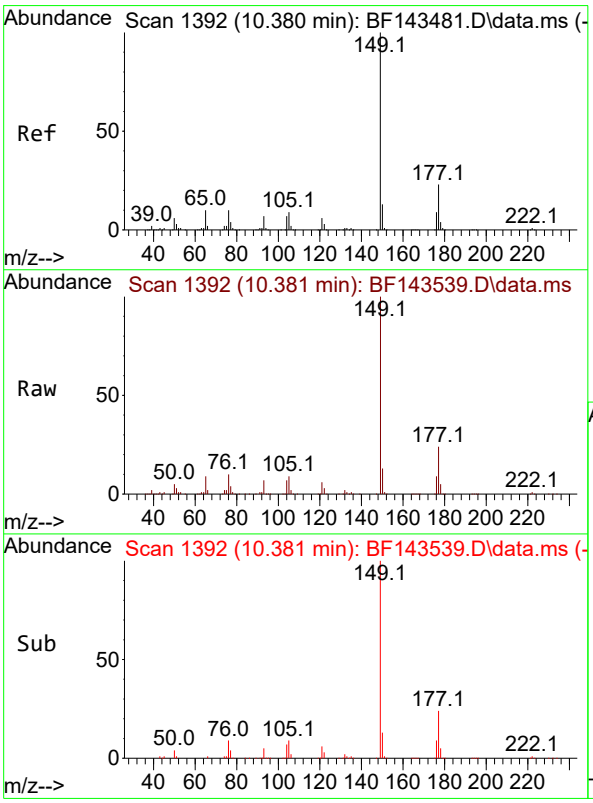
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.783 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 106720

Ion	Ratio	Lower	Upper
232	100		
131	41.0	32.7	49.1
130	1.9	1.6	2.4
166	27.7	22.6	34.0

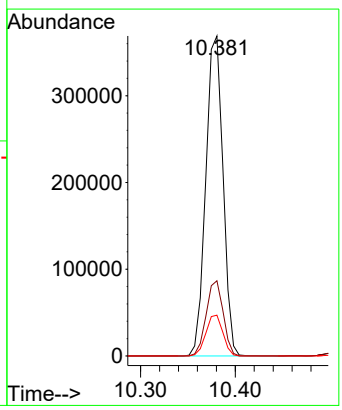


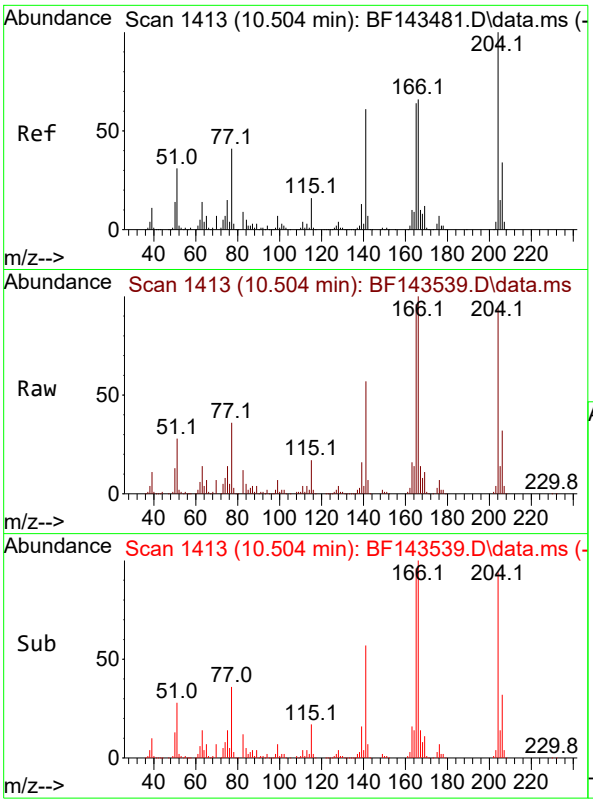


#60
Diethylphthalate
Concen: 43.716 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 466799

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.3	27.5
150	12.7	10.3	15.5



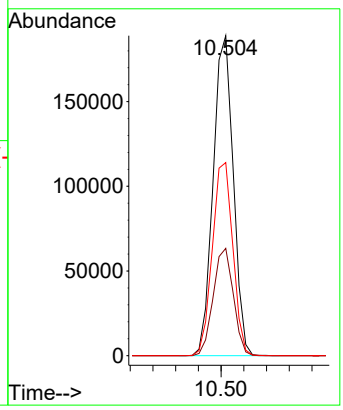


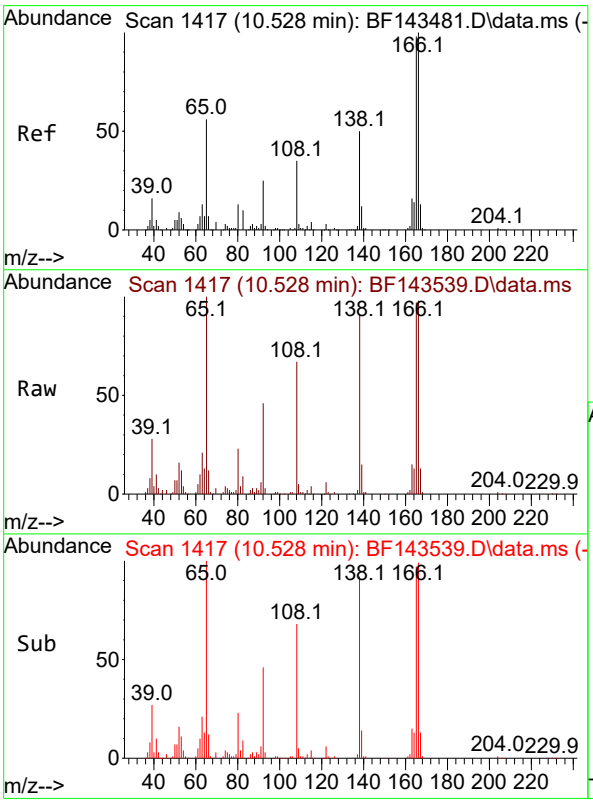
#61
4-Chlorophenyl-phenylether
Concen: 39.562 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 232448

Ion	Ratio	Lower	Upper
204	100		
206	33.6	27.0	40.4
141	60.3	48.7	73.1

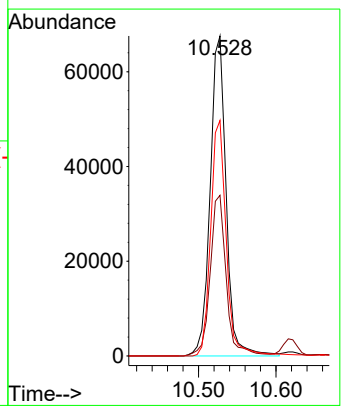


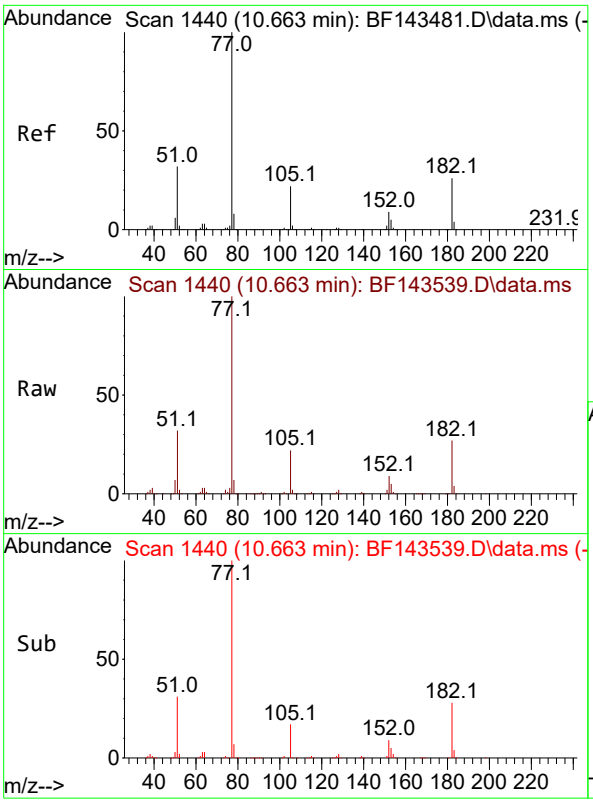


#62
4-Nitroaniline
Concen: 39.469 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:138 Resp: 96697

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.3	69.3
108	73.6	50.7	90.7



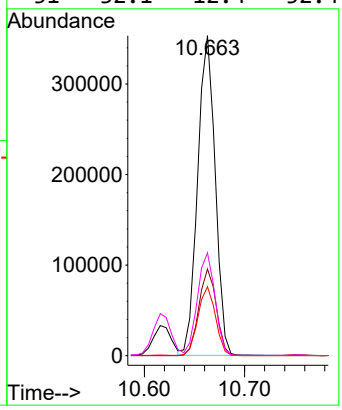


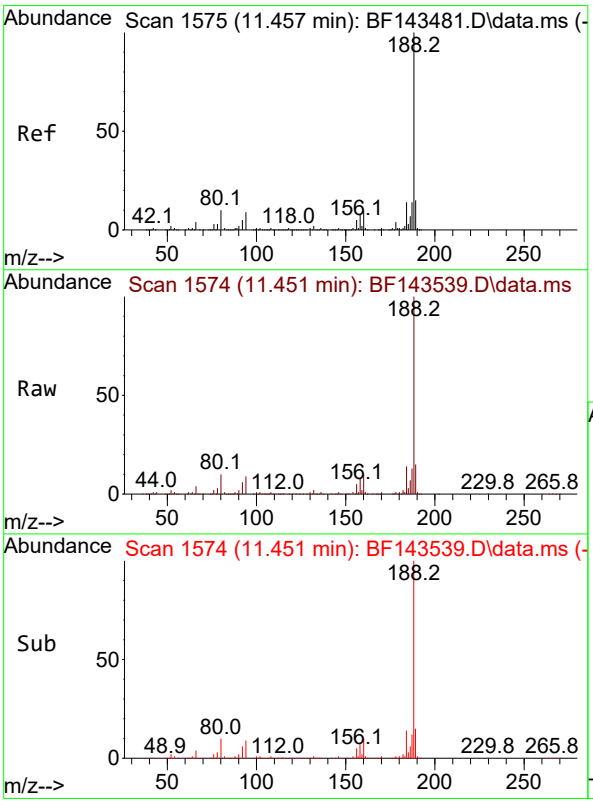
#63
Azobenzene
Concen: 38.969 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 431460

Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.2	46.2
105	21.5	2.2	42.2
51	32.1	12.4	52.4

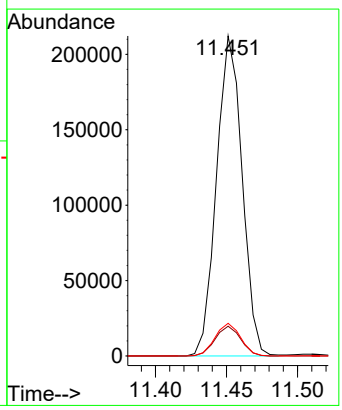


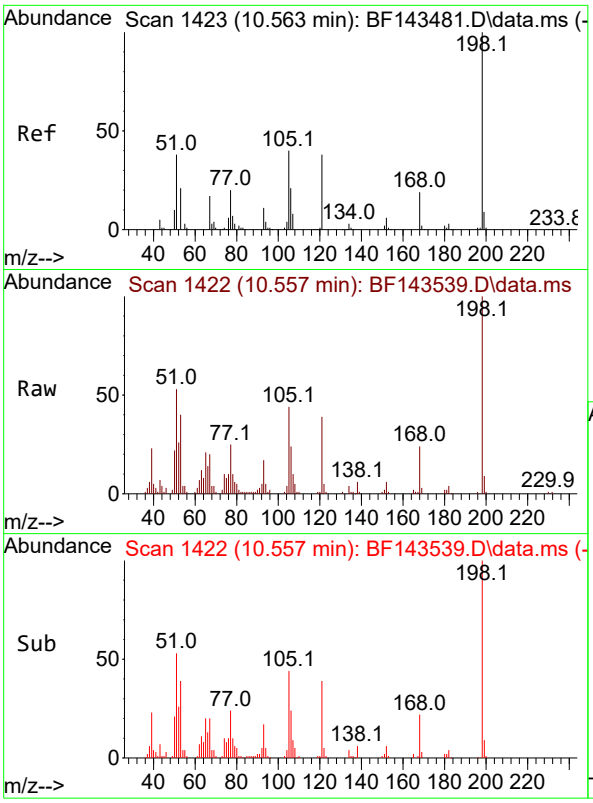


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:188 Resp: 266164

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.2	8.2	12.4



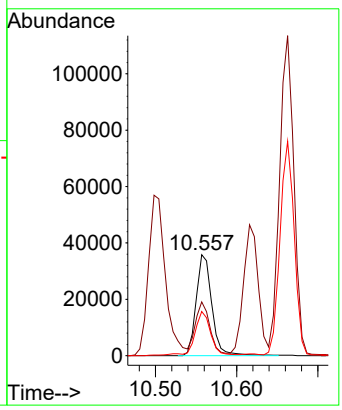


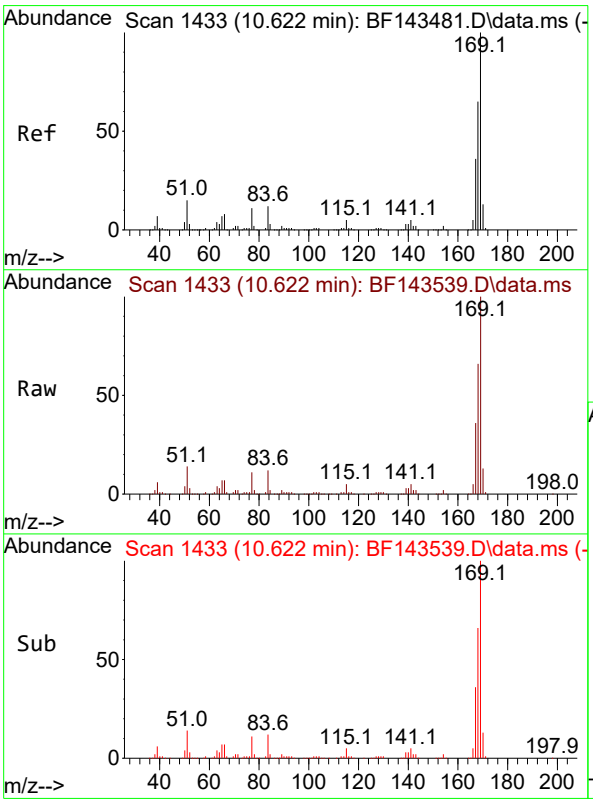
#65
4,6-Dinitro-2-methylphenol
Concen: 32.117 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 48200

Ion	Ratio	Lower	Upper
198	100		
51	53.2	29.6	69.6
105	43.7	21.5	61.5

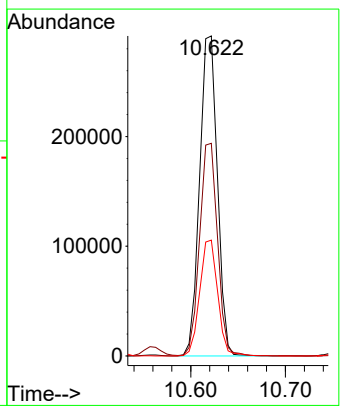


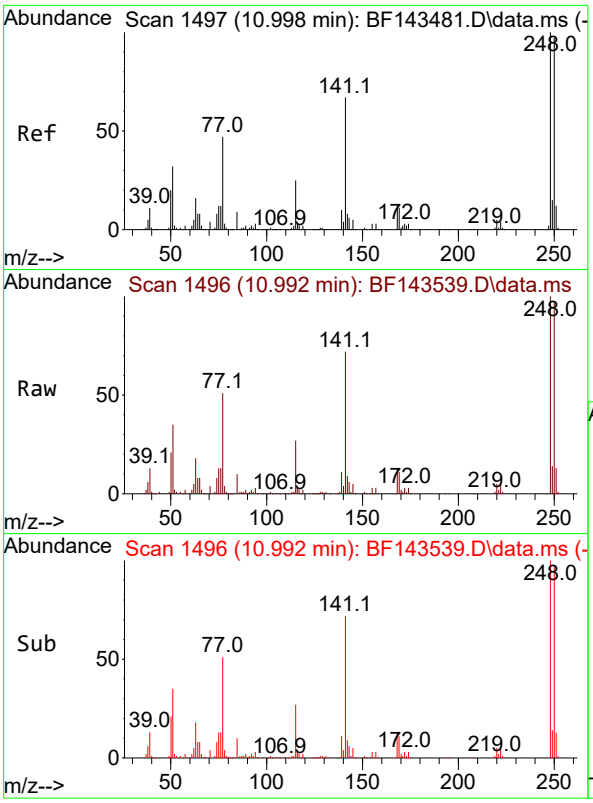


#66
n-Nitrosodiphenylamine
Concen: 44.307 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:169 Resp: 379520

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.2	28.9	43.3



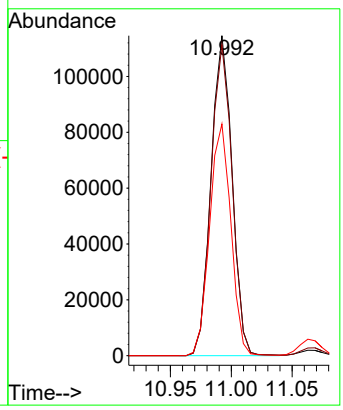


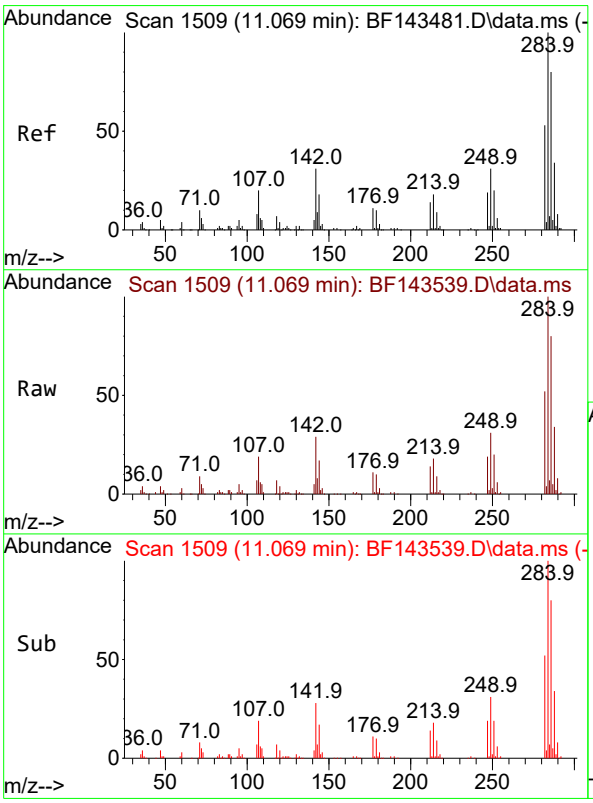
#67
4-Bromophenyl-phenylether
Concen: 43.446 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 137974

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.8
141	72.4	54.0	81.0

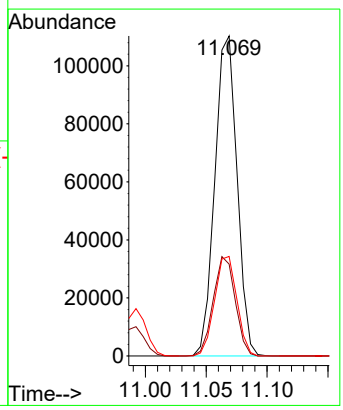


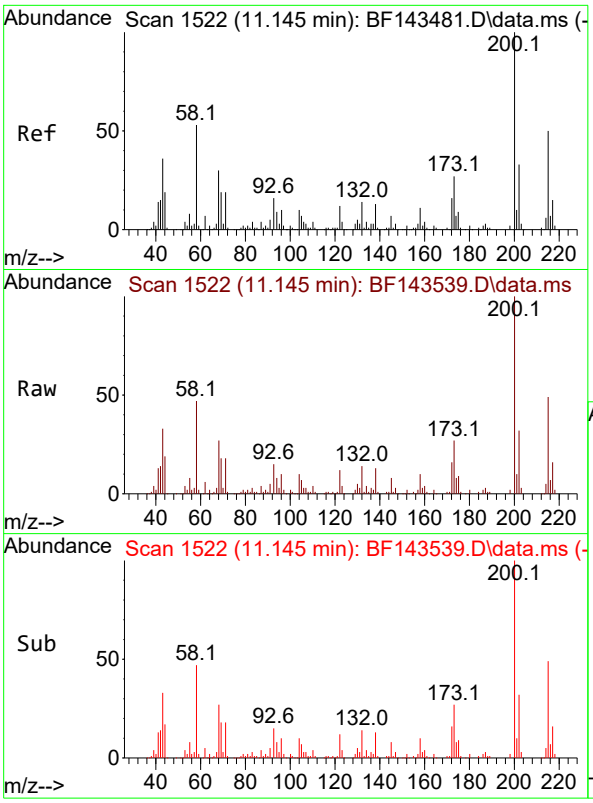


#68
Hexachlorobenzene
Concen: 40.894 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:284 Resp: 139989

Ion	Ratio	Lower	Upper
284	100		
142	28.7	24.4	36.6
249	31.1	25.0	37.6



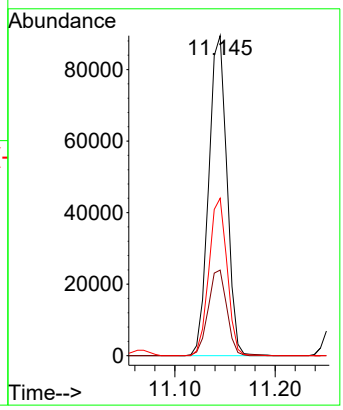


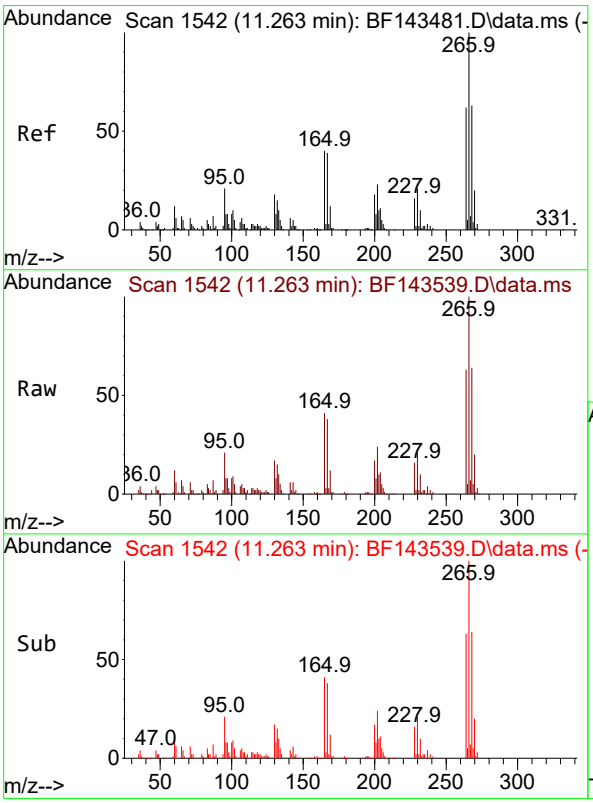
#69
Atrazine
Concen: 51.067 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 112914

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.9	46.9
215	49.2	30.0	70.0

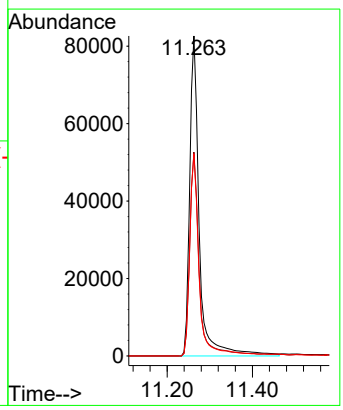


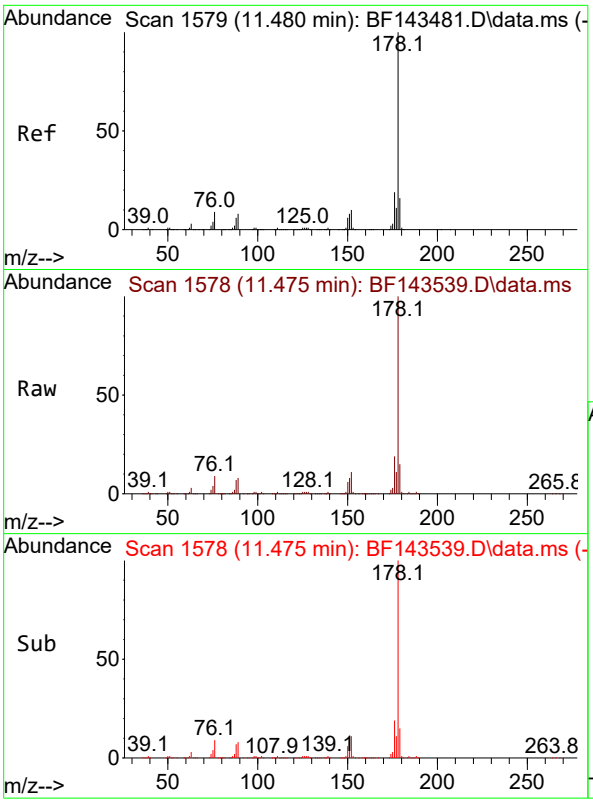


#70
Pentachlorophenol
Concen: 82.680 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:266 Resp: 129625

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.5	75.7
264	63.2	49.8	74.8



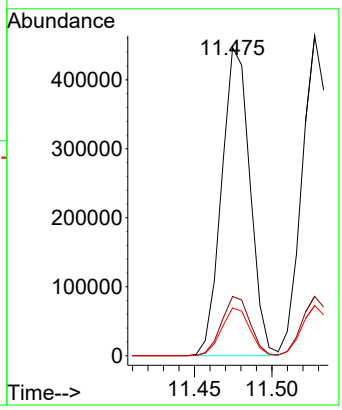


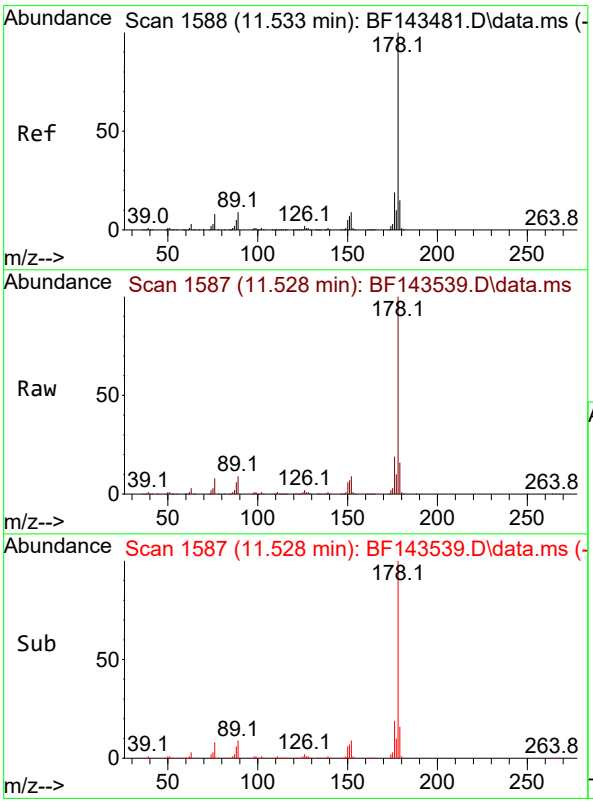
#71
Phenanthrene
Concen: 39.974 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 569767

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.5	18.7

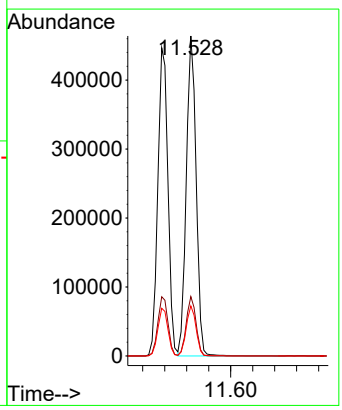


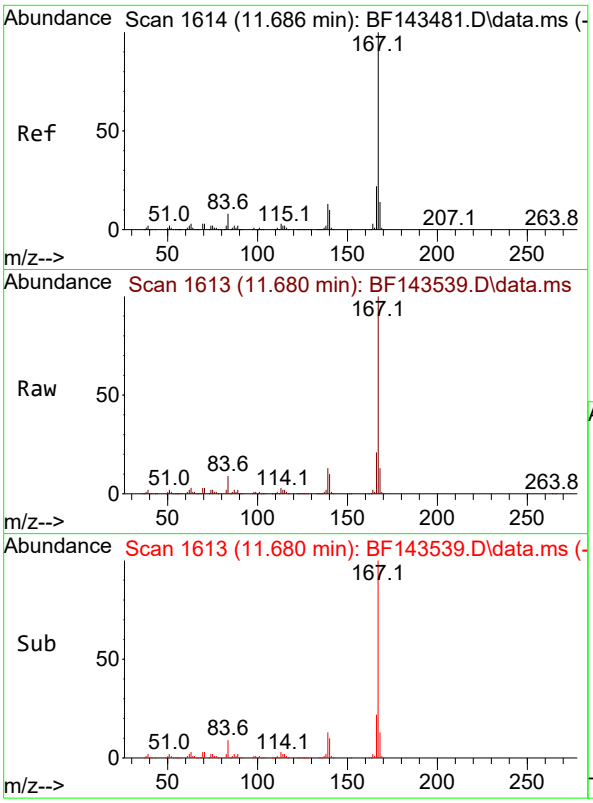


#72
Anthracene
Concen: 39.947 ng
RT: 11.528 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:178 Resp: 576813

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.6	12.3	18.5



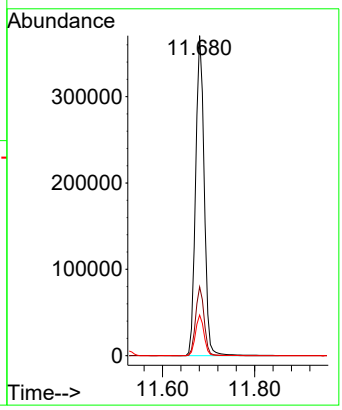


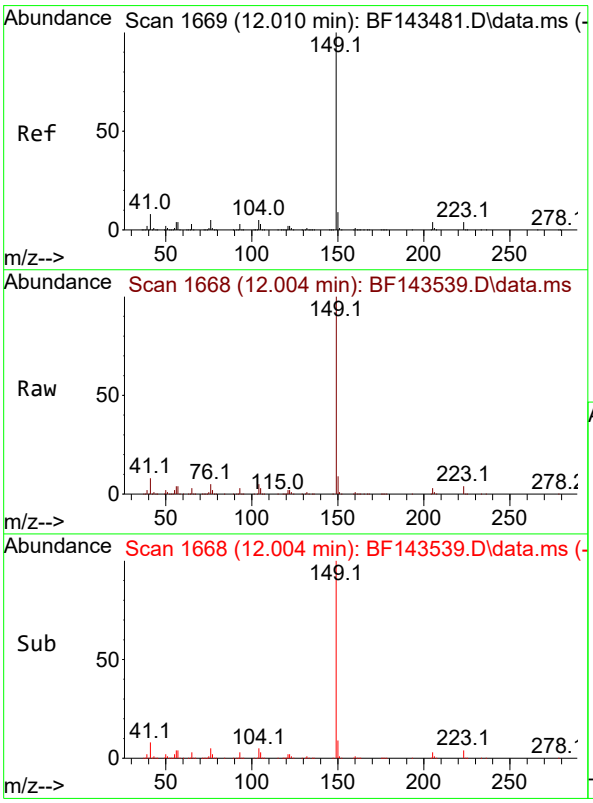
#73
Carbazole
Concen: 40.531 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 479540

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.7	10.0	15.0

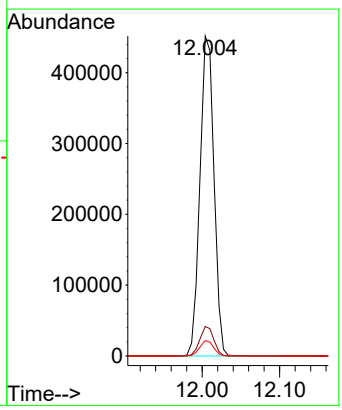


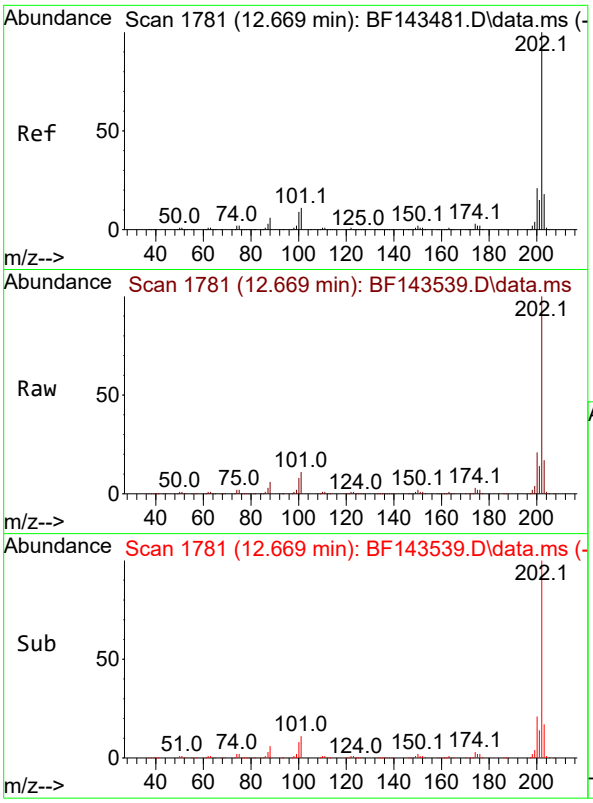


#74
Di-n-butylphthalate
Concen: 51.539 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 568861

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.8	3.6	5.4



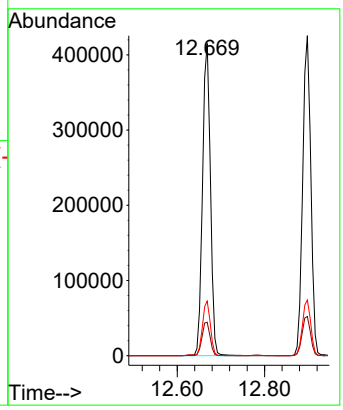


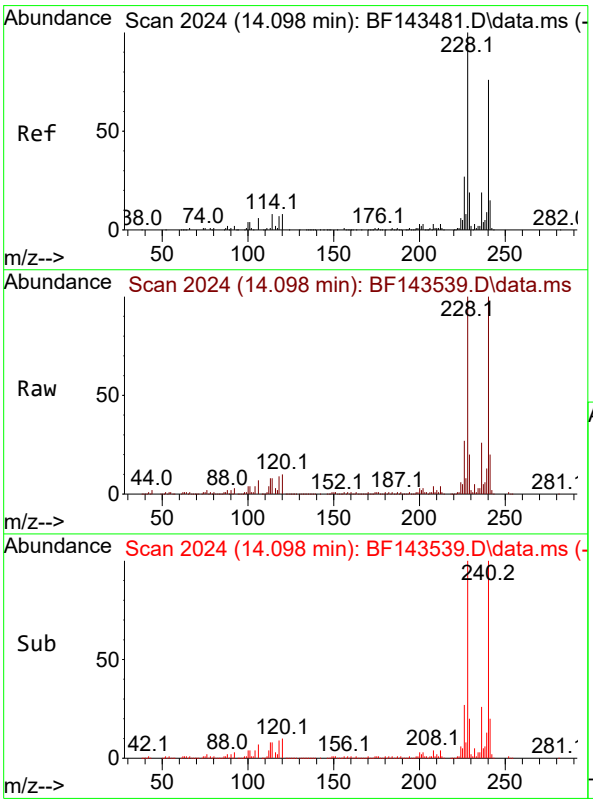
#75
Fluoranthene
Concen: 40.959 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 523856

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.5	0.0	37.9

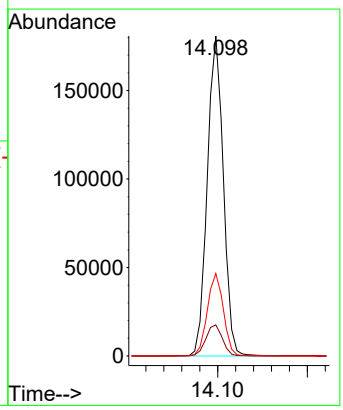


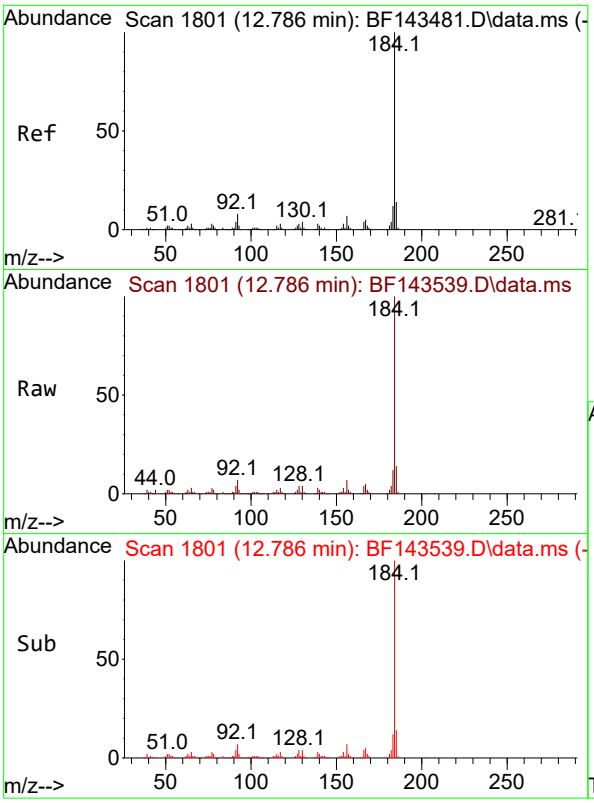


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:240 Resp: 224613

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	12.8
236	25.8	20.4	30.6



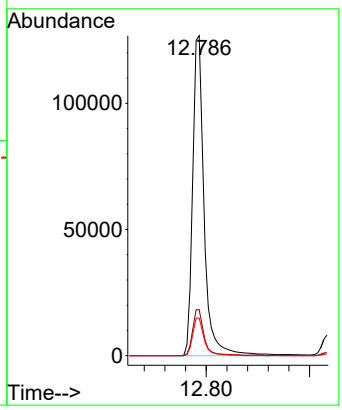


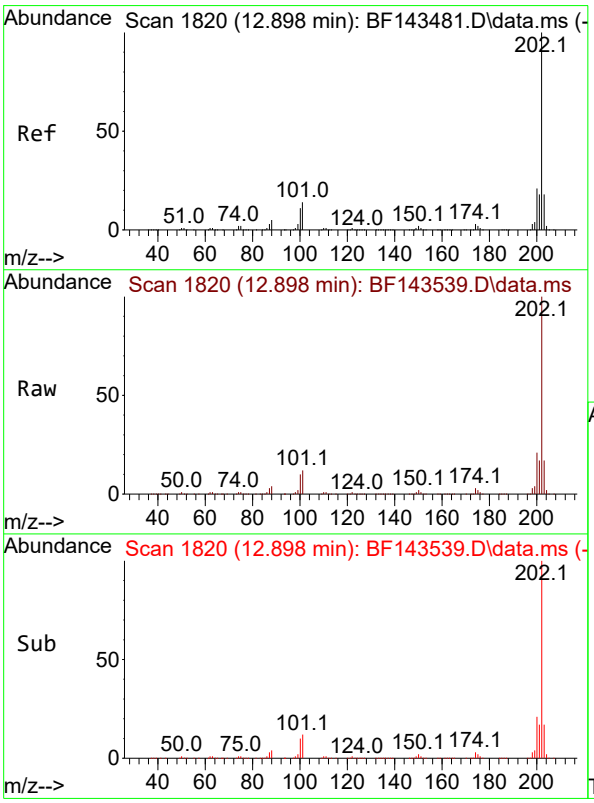
#77
Benzidine
Concen: 35.773 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 195722

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	11.8	9.5	14.3

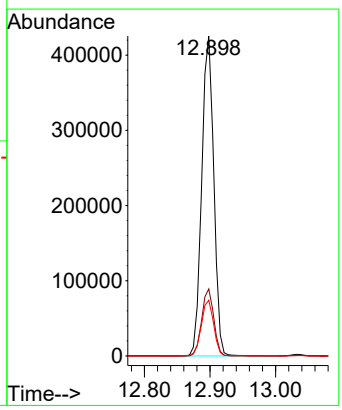


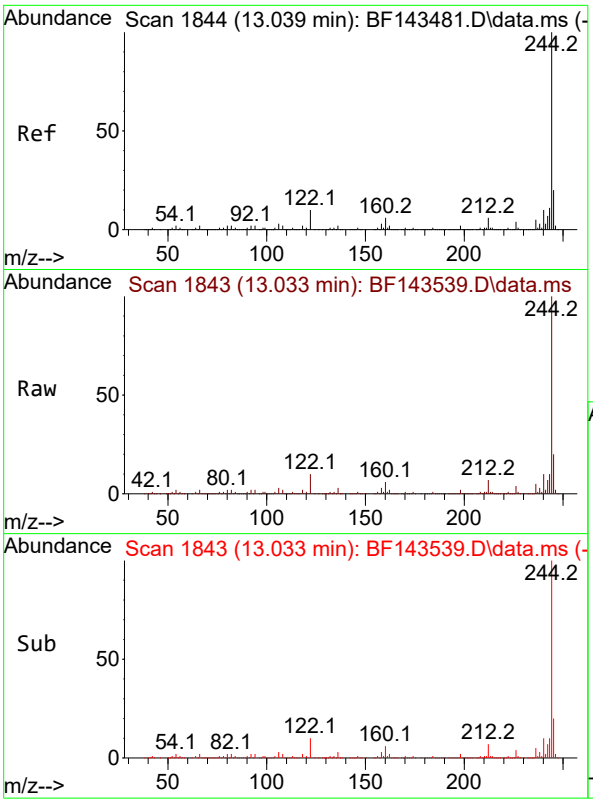


#78
Pyrene
Concen: 29.545 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:202 Resp: 545878

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.3	21.5



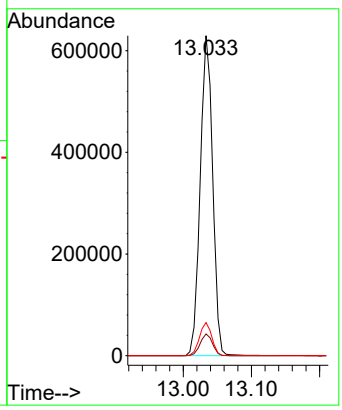


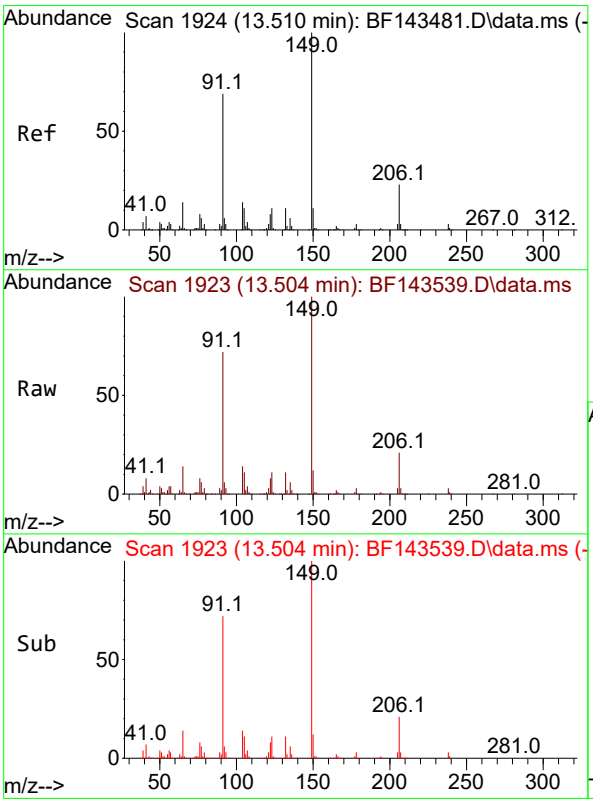
#79
Terphenyl-d14
Concen: 62.064 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 798863

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	10.3	7.9	11.9

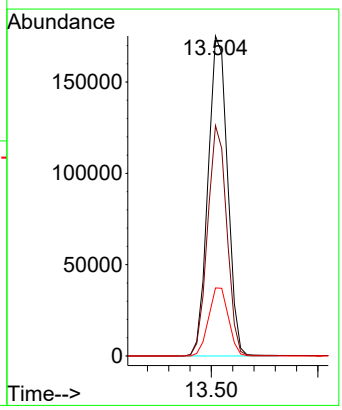


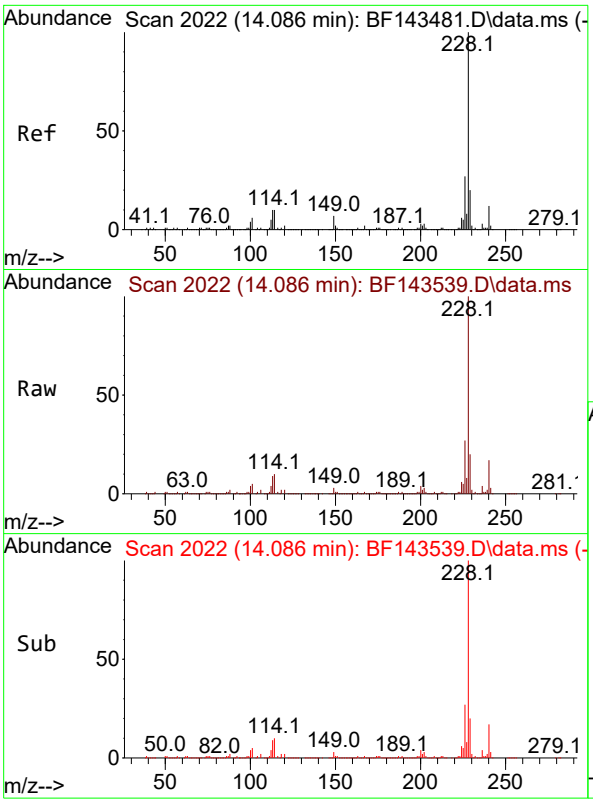


#80
Butylbenzylphthalate
Concen: 44.044 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 222304

Ion	Ratio	Lower	Upper
149	100		
91	72.0	55.3	82.9
206	21.3	18.2	27.4



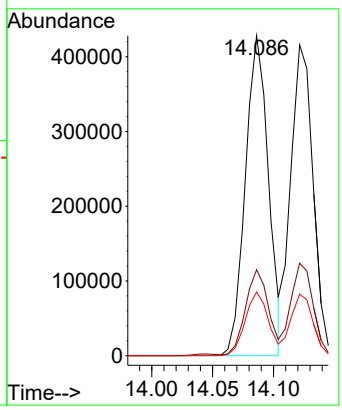


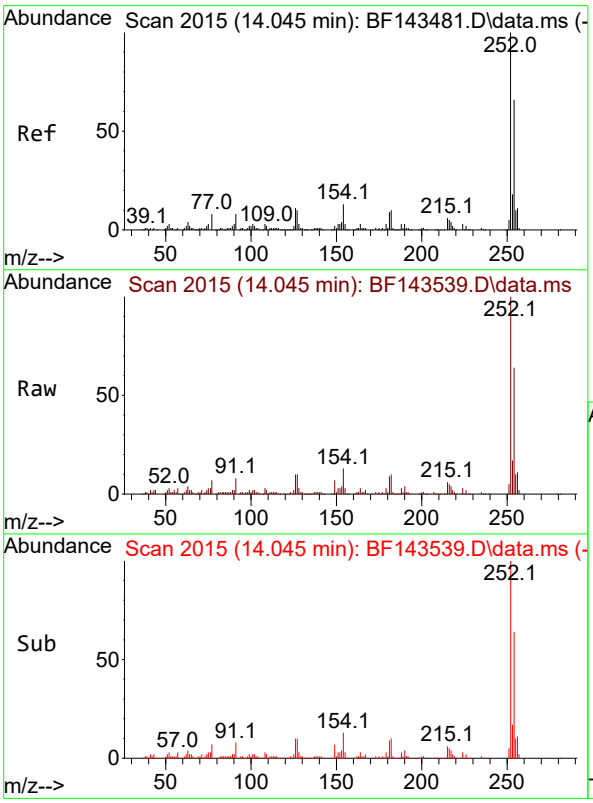
#81
Benzo(a)anthracene
Concen: 39.132 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 565876

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.7	23.5

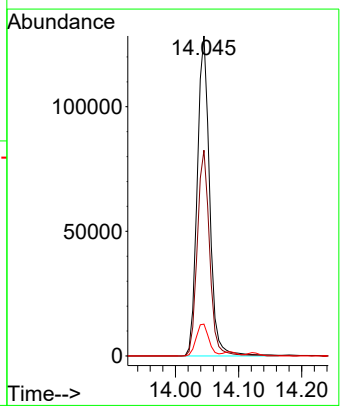


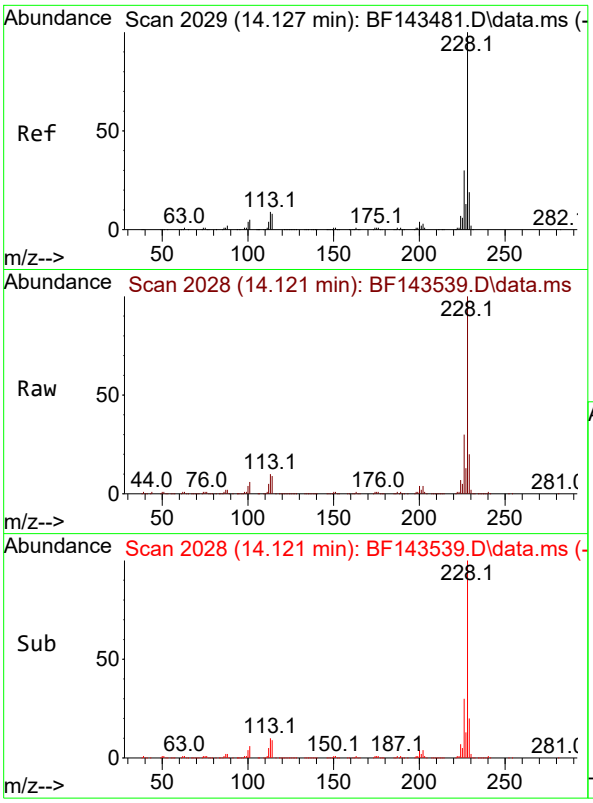


#82
3,3'-Dichlorobenzidine
Concen: 42.194 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:252 Resp: 174738

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.6	79.0
126	10.0	8.7	13.1



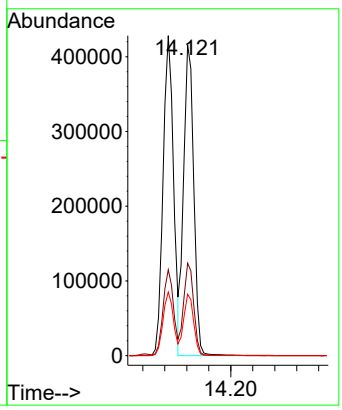


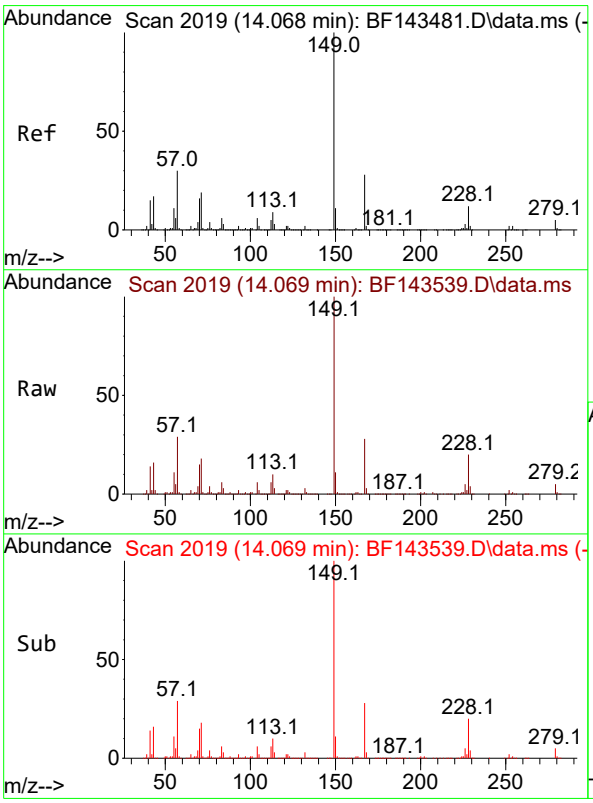
#83
Chrysene
Concen: 41.167 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 534990

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.7	35.5
229	19.8	15.7	23.5

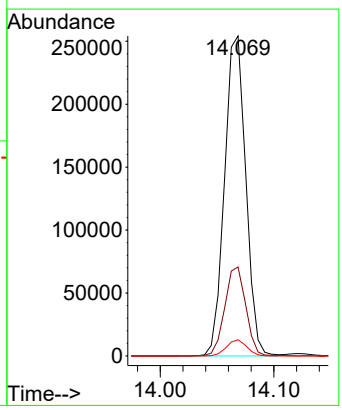


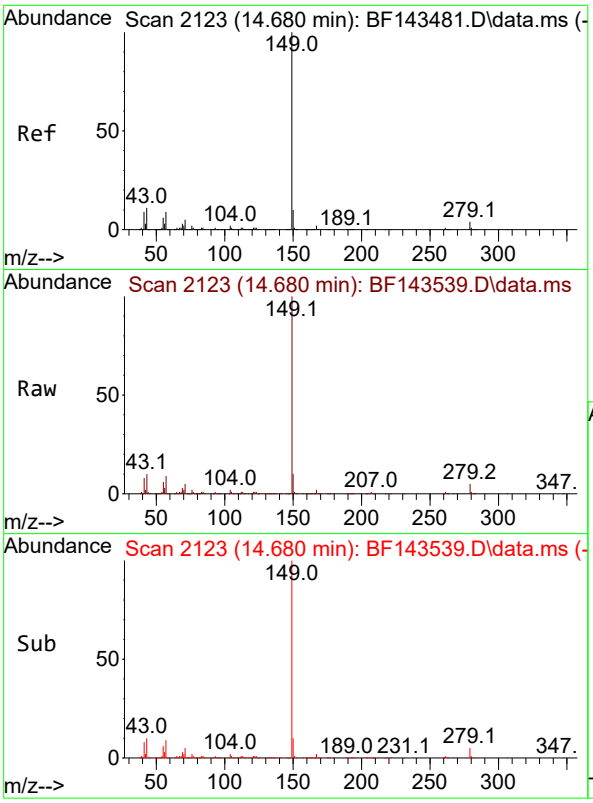


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.053 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:149 Resp: 330969

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.2
279	5.0	3.6	5.4



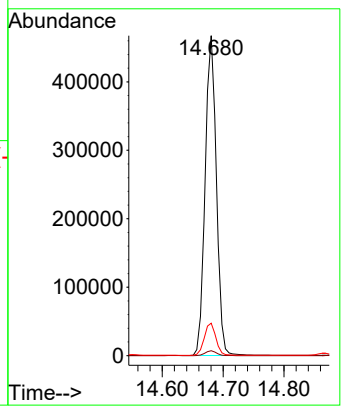


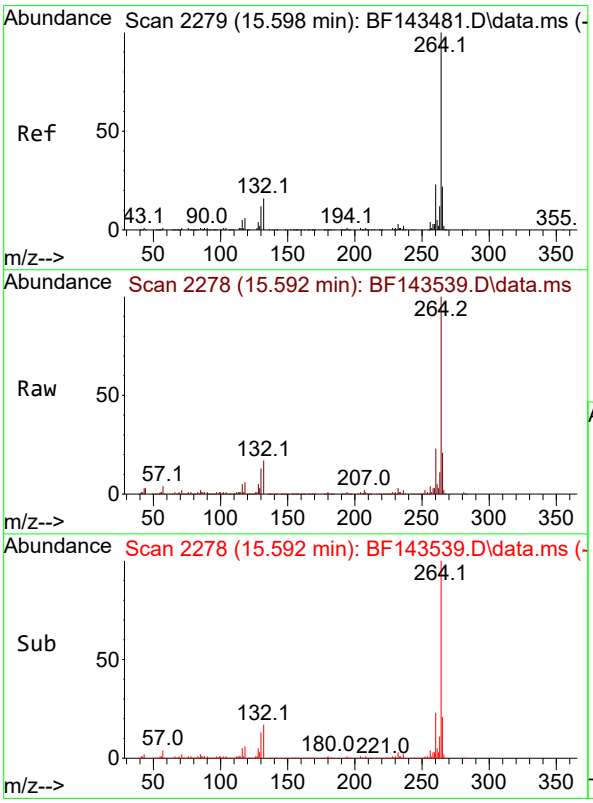
#85
Di-n-octyl phthalate
Concen: 42.167 ng
RT: 14.680 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 600507

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.3	8.5	12.7

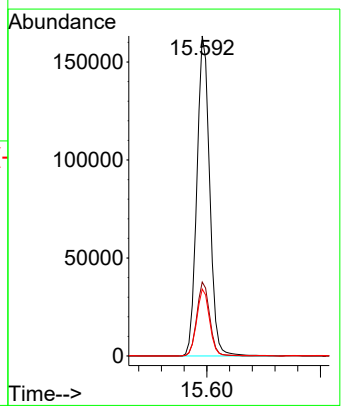


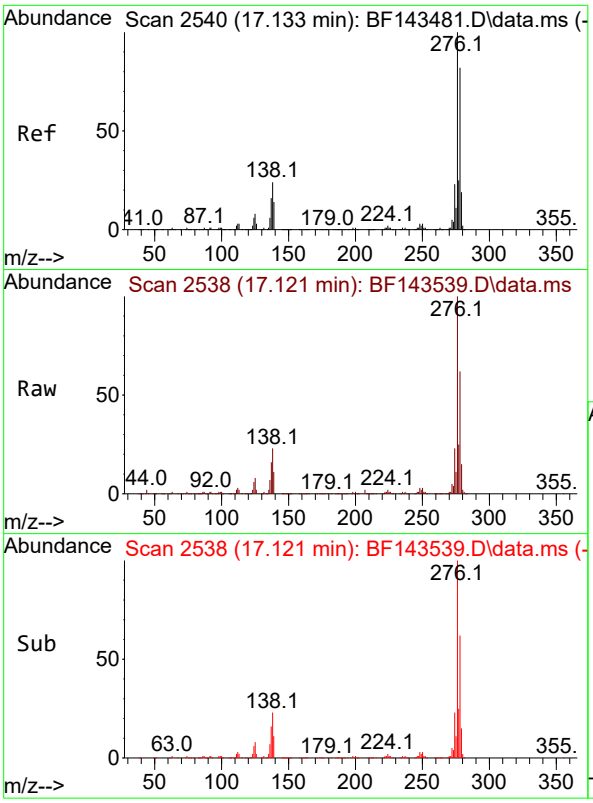


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:264 Resp: 256535

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	20.9	17.6	26.4



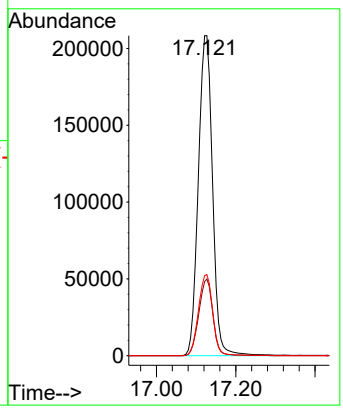


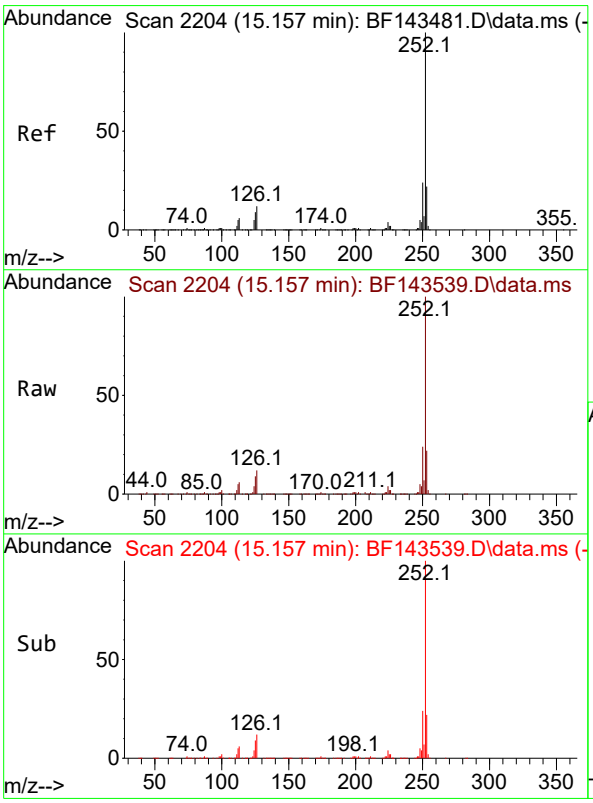
#87
Indeno(1,2,3-cd)pyrene
Concen: 28.150 ng
RT: 17.121 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 518934

Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.2	28.8
277	25.6	20.3	30.5

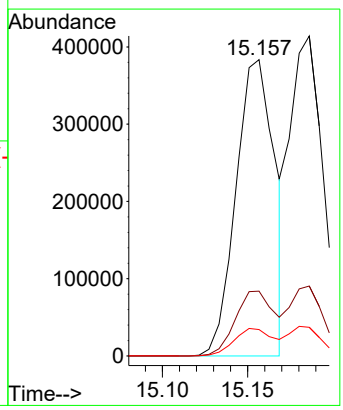


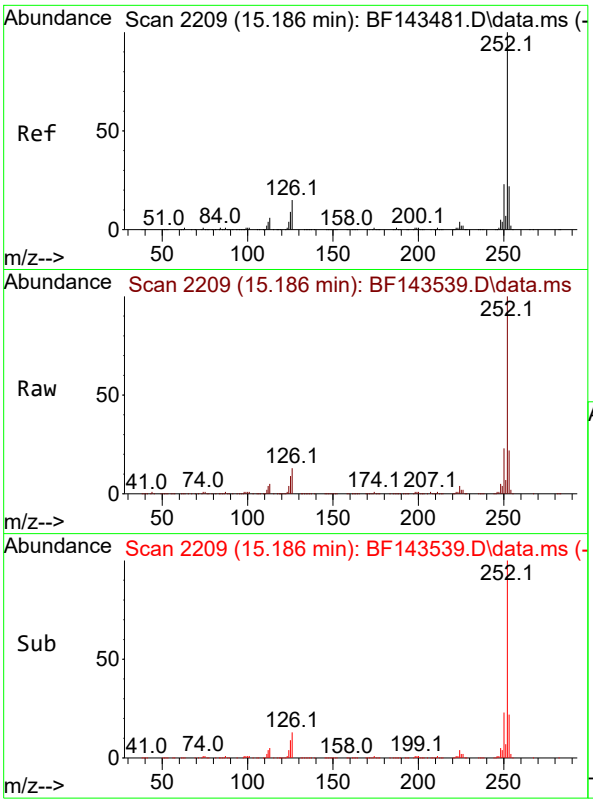


#88
Benzo(b)fluoranthene
Concen: 42.428 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:252 Resp: 605018

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.9	7.4	11.0



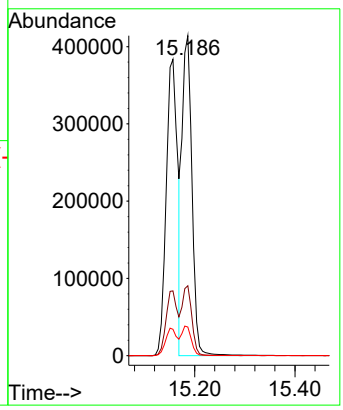


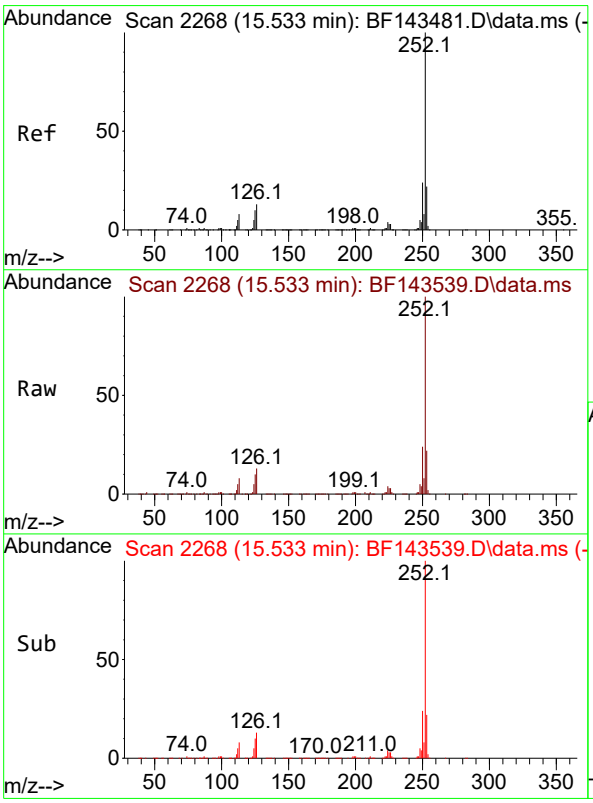
#89
Benzo(k)fluoranthene
Concen: 41.559 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 567409

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.9	7.4	11.0

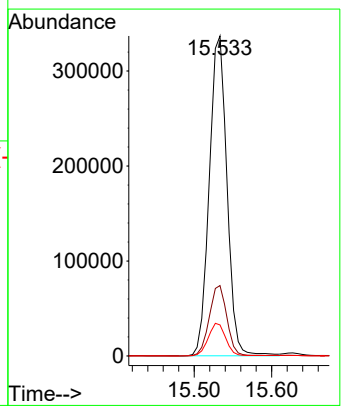


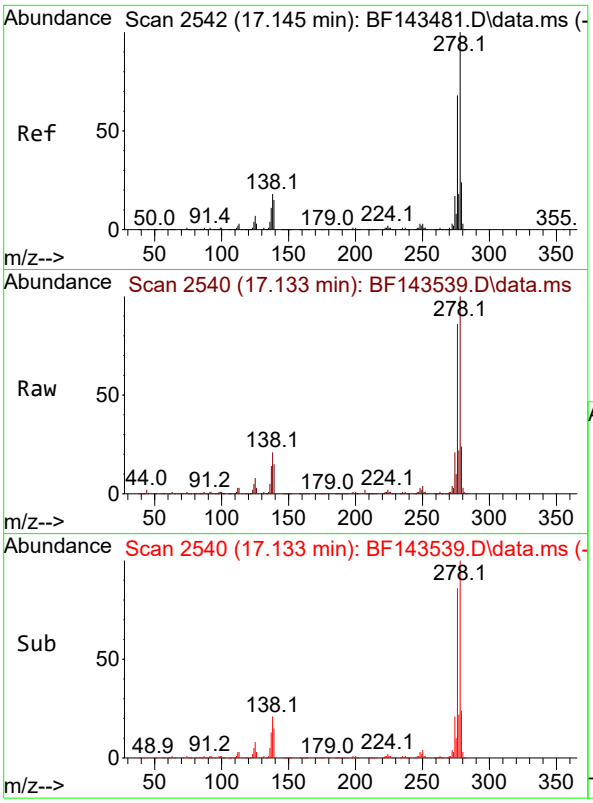


#90
Benzo(a)pyrene
Concen: 40.352 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:252 Resp: 534103

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.7	8.2	12.2



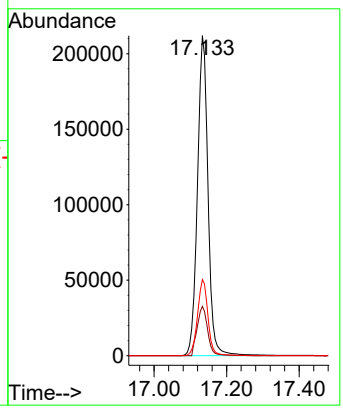


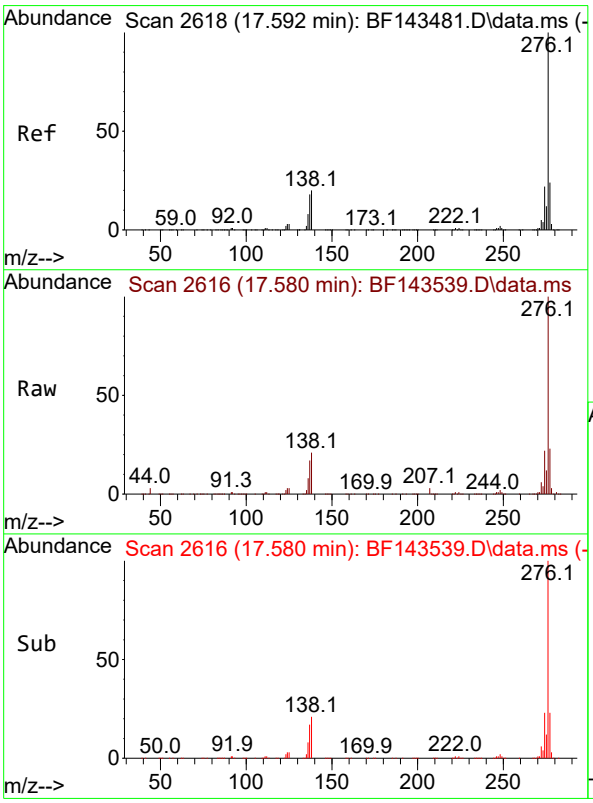
#91
Dibenzo(a,h)anthracene
Concen: 29.070 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 429182

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.1	18.1
279	23.8	19.2	28.8

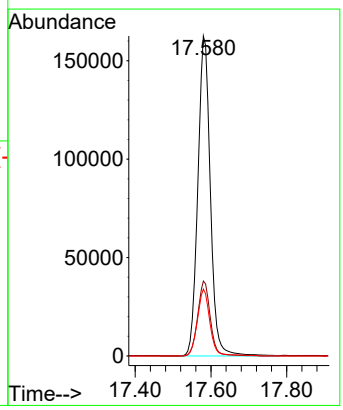




#92
Benzo(g,h,i)perylene
Concen: 25.578 ng
RT: 17.580 min Scan# 2616
Delta R.T. -0.023 min
Lab File: BF143539.D
Acq: 21 Aug 2025 19:32

Tgt Ion:276 Resp: 375504

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	20.9	16.3	24.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2		1,4-Dioxane	0.531	0.518	2.4	78	0.00
3		Pyridine	1.413	1.378	2.5	77	0.00
4		n-Nitrosodimethylamine	0.635	0.633	0.3	79	-0.02
5	S	2-Fluorophenol	1.145	1.138	0.6	80	0.00
6		Aniline	1.890	1.816	3.9	77	0.00
7	S	Phenol-d6	1.414	1.375	2.8	78	-0.01
8		2-Chlorophenol	1.265	1.247	1.4	79	0.00
9		Benzaldehyde	1.145	1.334	-16.5	89	0.00
10	C	Phenol	1.629	1.605	1.5	78	-0.01
11		bis(2-Chloroethyl)ether	1.217	1.180	3.0	78	0.00
12		1,3-Dichlorobenzene	1.421	1.381	2.8	78	0.00
13	C	1,4-Dichlorobenzene	1.426	1.405	1.5	80	0.00
14		1,2-Dichlorobenzene	1.350	1.316	2.5	78	0.00
15		Benzyl Alcohol	1.059	1.057	0.2	78	0.00
16		2,2'-oxybis(1-Chloropropane	1.947	1.836	5.7	75	0.00
17		2-Methylphenol	1.015	0.989	2.6	78	0.00
18		Hexachloroethane	0.485	0.487	-0.4	80	0.00
19	P	n-Nitroso-di-n-propylamine	0.864	0.843	2.4	80	-0.01
20		3+4-Methylphenols	1.212	1.209	0.2	80	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
22		Acetophenone	0.432	0.430	0.5	79	0.00
23	S	Nitrobenzene-d5	0.343	0.348	-1.5	78	-0.01
24		Nitrobenzene	0.353	0.363	-2.8	79	0.00
25		Isophorone	0.628	0.636	-1.3	79	-0.01
26	C	2-Nitrophenol	0.173	0.179	-3.5	78	0.00
27		2,4-Dimethylphenol	0.269	0.267	0.7	76	0.00
28		bis(2-Chloroethoxy)methane	0.386	0.385	0.3	77	0.00
29	C	2,4-Dichlorophenol	0.288	0.283	1.7	76	0.00
30		1,2,4-Trichlorobenzene	0.296	0.292	1.4	77	0.00
31		Naphthalene	0.960	0.942	1.9	77	0.00
32		Benzoic acid	0.137	0.118	13.9	63	-0.04
33		4-Chloroaniline	0.341	0.329	3.5	74	0.00
34	C	Hexachlorobutadiene	0.193	0.196	-1.6	79	0.00
35		Caprolactam	0.069	0.076	-10.1	82	-0.04
36	C	4-Chloro-3-methylphenol	0.288	0.279	3.1	75	0.00
37		2-Methylnaphthalene	0.641	0.620	3.3	75	0.00
38		1-Methylnaphthalene	0.613	0.583	4.9	75	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	0.572	0.595	-4.0	74	0.00
41	P	Hexachlorocyclopentadiene	0.184	0.203	-10.3	72	0.00
42	S	2,4,6-Tribromophenol	0.186	0.167	10.2	62	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.369	-4.8	71	0.00
44		2,4,5-Trichlorophenol	0.385	0.387	-0.5	71	0.00
45	S	2-Fluorobiphenyl	1.210	1.266	-4.6	77	0.00
46		1,1'-Biphenyl	1.420	1.484	-4.5	74	0.00
47		2-Chloronaphthalene	1.114	1.142	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.326	0.339	-4.0	70	0.00
49		Acenaphthylene	1.595	1.612	-1.1	71	0.00
50		Dimethylphthalate	1.205	1.333	-10.6	78	0.00
51		2,6-Dinitrotoluene	0.250	0.267	-6.8	72	-0.01
52	C	Acenaphthene	1.083	1.076	0.6	70	0.00
53		3-Nitroaniline	0.270	0.274	-1.5	69	0.00
54	P	2,4-Dinitrophenol	0.115	0.095	17.4	55	0.00
55		Dibenzofuran	1.544	1.507	2.4	69	0.00
56	P	4-Nitrophenol	0.161	0.175	-8.7	71	0.00
57		2,4-Dinitrotoluene	0.333	0.340	-2.1	68	-0.01
58		Fluorene	1.188	1.140	4.0	69	0.00
59		2,3,4,6-Tetrachlorophenol	0.286	0.270	5.6	64	0.00
60		Diethylphthalate	1.080	1.180	-9.3	76	0.00
61		4-Chlorophenyl-phenylether	0.594	0.588	1.0	70	0.00
62		4-Nitroaniline	0.248	0.244	1.6	67	-0.01
63		Azobenzene	1.120	1.091	2.6	68	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	61	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.091	19.5	47#	-0.01
66	c	n-Nitrosodiphenylamine	0.644	0.713	-10.7	68	0.00
67		4-Bromophenyl-phenylether	0.239	0.259	-8.4	66	0.00
68		Hexachlorobenzene	0.257	0.263	-2.3	62	0.00
69		Atrazine	0.166	0.212	-27.7#	77	0.00
70	C	Pentachlorophenol	0.118	0.244	-106.8#	120	0.00
71		Phenanthrene	1.071	1.070	0.1	63	0.00
72		Anthracene	1.085	1.084	0.1	62	0.00
73		Carbazole	0.889	0.901	-1.3	62	0.00
74		Di-n-butylphthalate	0.829	1.069	-29.0#	77	0.00
75	C	Fluoranthene	0.961	0.984	-2.4	63	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77		Benzidine	0.487	0.436	10.5	76	0.00
78		Pyrene	1.645	1.215	26.1#	67	0.00
79	S	Terphenyl-d14	1.146	0.889	22.4	71	0.00
80		Butylbenzylphthalate	0.449	0.495	-10.2	95	0.00
81		Benzo(a)anthracene	1.288	1.260	2.2	86	0.00
82		3,3'-Dichlorobenzidine	0.369	0.389	-5.4	94	0.00
83		Chrysene	1.157	1.191	-2.9	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.685	0.737	-7.6	93	0.00
85	c	Di-n-octyl phthalate	1.268	1.337	-5.4	93	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.437	1.011	29.6#	62	-0.02
88		Benzo(b)fluoranthene	1.112	1.179	-6.0	98	0.00
89		Benzo(k)fluoranthene	1.064	1.106	-3.9	91	0.00
90	C	Benzo(a)pyrene	1.032	1.041	-0.9	90	0.00
91		Dibenzo(a,h)anthracene	1.151	0.836	27.4#	64	-0.02
92		Benzo(g,h,i)perylene	1.145	0.732	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
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Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2		1,4-Dioxane	40.000	39.072	2.3	78	0.00
3		Pyridine	40.000	39.009	2.5	77	0.00
4		n-Nitrosodimethylamine	40.000	39.860	0.4	79	-0.02
5	S	2-Fluorophenol	80.000	79.470	0.7	80	0.00
6		Aniline	40.000	38.435	3.9	77	0.00
7	S	Phenol-d6	80.000	77.784	2.8	78	-0.01
8		2-Chlorophenol	40.000	39.418	1.5	79	0.00
9		Benzaldehyde	40.000	46.616	-16.5	89	0.00
10	C	Phenol	40.000	39.425	1.4	78	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.774	3.1	78	0.00
12		1,3-Dichlorobenzene	40.000	38.875	2.8	78	0.00
13	C	1,4-Dichlorobenzene	40.000	39.416	1.5	80	0.00
14		1,2-Dichlorobenzene	40.000	39.005	2.5	78	0.00
15		Benzyl Alcohol	40.000	39.937	0.2	78	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.707	5.7	75	0.00
17		2-Methylphenol	40.000	38.978	2.6	78	0.00
18		Hexachloroethane	40.000	40.177	-0.4	80	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.035	2.4	80	-0.01
20		3+4-Methylphenols	40.000	39.911	0.2	80	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	77	0.00
22		Acetophenone	40.000	39.831	0.4	79	0.00
23	S	Nitrobenzene-d5	80.000	81.337	-1.7	78	-0.01
24		Nitrobenzene	40.000	41.188	-3.0	79	0.00
25		Isophorone	40.000	40.481	-1.2	79	-0.01
26	C	2-Nitrophenol	40.000	41.538	-3.8	78	0.00
27		2,4-Dimethylphenol	40.000	39.611	1.0	76	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.904	0.2	77	0.00
29	C	2,4-Dichlorophenol	40.000	39.400	1.5	76	0.00
30		1,2,4-Trichlorobenzene	40.000	39.508	1.2	77	0.00
31		Naphthalene	40.000	39.258	1.9	77	0.00
32		Benzoic acid	40.000	32.943	17.6	63	-0.04
33		4-Chloroaniline	40.000	38.570	3.6	74	0.00
34	C	Hexachlorobutadiene	40.000	40.705	-1.8	79	0.00
35		Caprolactam	40.000	43.789	-9.5	82	-0.04
36	C	4-Chloro-3-methylphenol	40.000	38.769	3.1	75	0.00
37		2-Methylnaphthalene	40.000	38.680	3.3	75	0.00
38		1-Methylnaphthalene	40.000	38.013	5.0	75	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.583	-4.0	74	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.008	-0.0	72	0.00
42	S	2,4,6-Tribromophenol	80.000	71.678	10.4	62	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.956	-4.9	71	0.00
44		2,4,5-Trichlorophenol	40.000	40.224	-0.6	71	0.00
45	S	2-Fluorobiphenyl	80.000	83.673	-4.6	77	0.00
46		1,1'-Biphenyl	40.000	41.811	-4.5	74	0.00
47		2-Chloronaphthalene	40.000	41.011	-2.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.582	-4.0	70	0.00
49		Acenaphthylene	40.000	40.434	-1.1	71	0.00
50		Dimethylphthalate	40.000	44.261	-10.7	78	0.00
51		2,6-Dinitrotoluene	40.000	42.723	-6.8	72	-0.01
52	C	Acenaphthene	40.000	39.741	0.6	70	0.00
53		3-Nitroaniline	40.000	40.609	-1.5	69	0.00
54	P	2,4-Dinitrophenol	40.000	31.881	20.3	55	0.00
55		Dibenzofuran	40.000	39.052	2.4	69	0.00
56	P	4-Nitrophenol	40.000	43.542	-8.9	71	0.00
57		2,4-Dinitrotoluene	40.000	40.847	-2.1	68	-0.01
58		Fluorene	40.000	38.364	4.1	69	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.783	5.5	64	0.00
60		Diethylphthalate	40.000	43.716	-9.3	76	0.00
61		4-Chlorophenyl-phenylether	40.000	39.562	1.1	70	0.00
62		4-Nitroaniline	40.000	39.469	1.3	67	-0.01
63		Azobenzene	40.000	38.969	2.6	68	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	61	0.00
65		4,6-Dinitro-2-methylphenol	40.000	32.117	19.7	47	-0.01
66	c	n-Nitrosodiphenylamine	40.000	44.307	-10.8	68	0.00
67		4-Bromophenyl-phenylether	40.000	43.446	-8.6	66	0.00
68		Hexachlorobenzene	40.000	40.894	-2.2	62	0.00
69		Atrazine	40.000	51.067	-27.7#	77	0.00
70	C	Pentachlorophenol	40.000	82.680	-106.7#	120	0.00
71		Phenanthrene	40.000	39.974	0.1	63	0.00
72		Anthracene	40.000	39.947	0.1	62	0.00
73		Carbazole	40.000	40.531	-1.3	62	0.00
74		Di-n-butylphthalate	40.000	51.539	-28.8#	77	0.00
75	C	Fluoranthene	40.000	40.959	-2.4	63	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77		Benzidine	40.000	35.773	10.6	76	0.00
78		Pyrene	40.000	29.545	26.1#	67	0.00
79	S	Terphenyl-d14	80.000	62.064	22.4	71	0.00
80		Butylbenzylphthalate	40.000	44.044	-10.1	95	0.00
81		Benzo(a)anthracene	40.000	39.132	2.2	86	0.00
82		3,3'-Dichlorobenzidine	40.000	42.194	-5.5	94	0.00
83		Chrysene	40.000	41.167	-2.9	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.053	-7.6	93	0.00
85	c	Di-n-octyl phthalate	40.000	42.167	-5.4	93	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	28.150	29.6#	62	-0.02
88		Benzo(b)fluoranthene	40.000	42.428	-6.1	98	0.00
89		Benzo(k)fluoranthene	40.000	41.559	-3.9	91	0.00
90	C	Benzo(a)pyrene	40.000	40.352	-0.9	90	0.00
91		Dibenzo(a,h)anthracene	40.000	29.070	27.3#	64	-0.02
92		Benzo(g,h,i)perylene	40.000	25.578	36.1#	56	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143539.D
Acq On : 21 Aug 2025 19:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 01:02:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 09:51

Lab File ID: BP025377.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.214		-2.4	
Benzaldehyde	1.162	1.250		7.6	
Phenol-d6	1.637	1.529		-6.6	
Phenol	1.751	1.711		-2.3	20.0
bis(2-Chloroethyl)ether	1.372	1.298		-5.4	
2-Chlorophenol	1.361	1.481		8.8	
2-Methylphenol	1.172	1.142		-2.6	
2,2-oxybis(1-Chloropropane)	2.167	1.731		-20.1	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.613	1.533		-5.0	
n-Nitroso-di-n-propylamine	1.075	1.030	0.050	-4.2	
Nitrobenzene-d5	0.361	0.407		12.7	
Hexachloroethane	0.553	0.570		3.1	
Nitrobenzene	0.342	0.358		4.7	
Isophorone	0.719	0.697		-3.1	
2-Nitrophenol	0.126	0.187		48.4	20.0
2,4-Dimethylphenol	0.331	0.319		-3.6	
bis(2-Chloroethoxy)methane	0.437	0.425		-2.7	
2,4-Dichlorophenol	0.290	0.306		5.5	20.0
Naphthalene	1.038	1.062		2.3	
4-Chloroaniline	0.462	0.446		-3.5	
Hexachlorobutadiene	0.184	0.215		16.8	20.0
Caprolactam	0.113	0.109		-3.5	
4-Chloro-3-methylphenol	0.336	0.364		8.3	20.0
2-Methylnaphthalene	0.672	0.678		0.9	
Hexachlorocyclopentadiene	0.337	0.381	0.050	13.1	
2,4,6-Trichlorophenol	0.353	0.403		14.2	20.0
2-Fluorobiphenyl	1.448	1.545		6.7	
2,4,5-Trichlorophenol	0.396	0.445		12.4	
1,1-Biphenyl	1.474	1.514		2.7	
2-Chloronaphthalene	1.124	1.198		6.6	
2-Nitroaniline	0.288	0.346		20.1	
Dimethylphthalate	1.458	1.489		2.1	
Acenaphthylene	1.876	1.942		3.5	
2,6-Dinitrotoluene	0.269	0.325		20.8	
3-Nitroaniline	0.315	0.358		13.7	
Acenaphthene	1.144	1.121		-2.0	20.0
2,4-Dinitrophenol	0.105	0.160	0.050	52.4	
4-Nitrophenol	0.278	0.293	0.050	5.4	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 09:51

Lab File ID: BP025377.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:03 16:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.758		2.8	
2,4-Dinitrotoluene	0.359	0.474		32.0	
Diethylphthalate	1.470	1.490		1.4	
4-Chlorophenyl-phenylether	0.637	0.684		7.4	
Fluorene	1.343	1.393		3.7	
4-Nitroaniline	0.312	0.358		14.7	
4,6-Dinitro-2-methylphenol	0.080	0.126		57.5	
n-Nitrosodiphenylamine	0.609	0.623		2.3	20.0
2,4,6-Tribromophenol	0.200	0.266		33.0	
4-Bromophenyl-phenylether	0.201	0.220		9.5	
Hexachlorobenzene	0.226	0.253		11.9	
Atrazine	0.214	0.227		6.1	
Pentachlorophenol	0.144	0.178		23.6	20.0
Phenanthrene	1.095	1.128		3.0	
Anthracene	1.105	1.151		4.2	
Carbazole	1.060	1.071		1.0	
Di-n-butylphthalate	1.283	1.344		4.8	
Fluoranthene	1.268	1.308		3.2	20.0
Pyrene	1.330	1.359		2.2	
Terphenyl-d14	1.059	1.119		5.7	
Butylbenzylphthalate	0.539	0.607		12.6	
3,3-Dichlorobenzidine	0.469	0.508		8.3	
Benzo(a)anthracene	1.329	1.347		1.4	
Chrysene	1.233	1.266		2.7	
Bis(2-ethylhexyl)phthalate	0.861	0.909		5.6	
Di-n-octyl phthalate	1.442	1.602		11.1	20.0
Benzo(b)fluoranthene	1.197	1.203		0.5	
Benzo(k)fluoranthene	1.187	1.175		-1.0	
Benzo(a)pyrene	1.153	1.161		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.434	1.534		7.0	
Dibenzo(a,h)anthracene	1.174	1.254		6.8	
Benzo(g,h,i)perylene	1.152	1.228		6.6	
1,2,4,5-Tetrachlorobenzene	0.546	0.607		11.2	
1,4-Dioxane	0.491	0.473		-3.7	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.386		16.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	162911	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	673350	20.000	ng		0.00
39) Acenaphthene-d10	14.425	164	416841	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	836446	20.000	ng		0.00
76) Chrysene-d12	21.666	240	867026	20.000	ng		0.00
86) Perylene-d12	25.065	264	1047429	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	791395	78.132	ng		0.00
7) Phenol-d6	6.972	99	996611	74.762	ng		0.00
23) Nitrobenzene-d5	8.937	82	1095930	90.170	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	442787	106.478	ng		0.01
45) 2-Fluorobiphenyl	13.037	172	2575530	85.341	ng		0.00
79) Terphenyl-d14	19.942	244	3880765	84.541	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	154019	38.532	ng		95
3) Pyridine	3.731	79	412234	37.120	ng		96
4) n-Nitrosodimethylamine	3.637	42	180350	34.980	ng		92
6) Aniline	7.131	93	691509	37.788	ng		100
8) 2-Chlorophenol	7.372	128	482628	43.530	ng		97
9) Benzaldehyde	6.943	77	407131	43.002	ng		100
10) Phenol	7.002	94	557573	39.092	ng		98
11) bis(2-Chloroethyl)ether	7.225	93	423007	37.851	ng		97
12) 1,3-Dichlorobenzene	7.690	146	502997	40.376	ng		99
13) 1,4-Dichlorobenzene	7.837	146	515319	40.886	ng		99
14) 1,2-Dichlorobenzene	8.149	146	491942	40.292	ng		99
15) Benzyl Alcohol	8.031	79	396868	38.407	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	564054	31.950	ng		95
17) 2-Methylphenol	8.231	107	371935	38.971	ng		97
18) Hexachloroethane	8.872	117	185794	41.220	ng		95
19) n-Nitroso-di-n-propyla...	8.596	70	335462	38.302	ng		93
20) 3+4-Methylphenols	8.554	107	499518	38.009	ng		99
22) Acetophenone	8.607	105	677050	40.054	ng	#	96
24) Nitrobenzene	8.984	77	482357	41.925	ng		97
25) Isophorone	9.507	82	938892	38.808	ng		99
26) 2-Nitrophenol	9.684	139	251939	50.097	ng		98
27) 2,4-Dimethylphenol	9.749	122	428935	38.455	ng		95
28) bis(2-Chloroethoxy)met...	9.978	93	572502	38.899	ng		100
29) 2,4-Dichlorophenol	10.225	162	412684	42.260	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	468974	43.530	ng		99
31) Naphthalene	10.625	128	1430854	40.934	ng		99
32) Benzoic acid	9.872	122	263556	43.252	ng		97
33) 4-Chloroaniline	10.719	127	601041	38.661	ng		99
34) Hexachlorobutadiene	10.913	225	290090	46.907	ng		98
35) Caprolactam	11.507	113	146520	38.677	ng	#	85
36) 4-Chloro-3-methylphenol	11.848	107	489583	43.328	ng		100
37) 2-Methylnaphthalene	12.237	142	912525	40.333	ng		99
38) 1-Methylnaphthalene	12.448	142	941888	39.898	ng		100
40) 1,2,4,5-Tetrachloroben...	12.607	216	505917	44.455	ng		99
41) Hexachlorocyclopentadiene	12.590	237	317262	45.169	ng		99
43) 2,4,6-Trichlorophenol	12.837	196	335726	45.667	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.913	196	370942	44.979	ng		100
46) 1,1'-Biphenyl	13.242	154	1262313	41.092	ng		99
47) 2-Chloronaphthalene	13.284	162	998894	42.622	ng		100
48) 2-Nitroaniline	13.484	65	288791	42.432	ng		95
49) Acenaphthylene	14.137	152	1618764	41.408	ng		99
50) Dimethylphthalate	13.872	163	1241763	40.865	ng		100
51) 2,6-Dinitrotoluene	13.989	165	270913	48.334	ng		87
52) Acenaphthene	14.484	154	934768	39.201	ng		99
53) 3-Nitroaniline	14.319	138	298286	45.480	ng		96
54) 2,4-Dinitrophenol	14.525	184	133103	53.765	ng	#	48
55) Dibenzofuran	14.831	168	1465683	41.132	ng		99
56) 4-Nitrophenol	14.636	139	244171	42.183	ng		98
57) 2,4-Dinitrotoluene	14.784	165	395234	45.658	ng		98
58) Fluorene	15.489	166	1161174	41.489	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.060	232	321863	46.722	ng		96
60) Diethylphthalate	15.254	149	1242433	40.555	ng		100
61) 4-Chlorophenyl-phenyle...	15.483	204	570645	43.008	ng		100
62) 4-Nitroaniline	15.501	138	298255	45.895	ng		97
63) Azobenzene	15.783	77	1097228	38.553	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	211611	54.377	ng		94
66) n-Nitrosodiphenylamine	15.695	169	1042925	40.950	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	367555	43.673	ng		96
68) Hexachlorobenzene	16.519	284	423300	44.825	ng		97
69) Atrazine	16.672	200	379801	42.405	ng		98
70) Pentachlorophenol	16.872	266	298109	49.549	ng		98
71) Phenanthrene	17.272	178	1886510	41.178	ng		100
72) Anthracene	17.360	178	1925956	41.693	ng		100
73) Carbazole	17.636	167	1791533	40.403	ng		100
74) Di-n-butylphthalate	18.236	149	2248337	41.912	ng		100
75) Fluoranthene	19.336	202	2188836	41.272	ng		98
77) Benzidine	19.536	184	1401654	44.665	ng		100
78) Pyrene	19.713	202	2357222	40.885	ng		99
80) Butylbenzylphthalate	20.671	149	1053125	45.038	ng		99
81) Benzo(a)anthracene	21.642	228	2336188	40.547	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	881515	43.364	ng		99
83) Chrysene	21.713	228	2196085	41.095	ng		99
84) Bis(2-ethylhexyl)phtha...	21.595	149	1576424	42.221	ng		99
85) Di-n-octyl phthalate	22.895	149	2777521	44.443	ng		96
87) Indeno(1,2,3-cd)pyrene	28.936	276	3214175m	42.813	ng		
88) Benzo(b)fluoranthene	23.995	252	2520756	40.203	ng		99
89) Benzo(k)fluoranthene	24.071	252	2461874	39.607	ng		99
90) Benzo(a)pyrene	24.907	252	2431295	40.265	ng		99
91) Dibenzo(a,h)anthracene	29.018	278	2625934	42.708	ng		97
92) Benzo(g,h,i)perylene	30.130	276	2572509	42.630	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

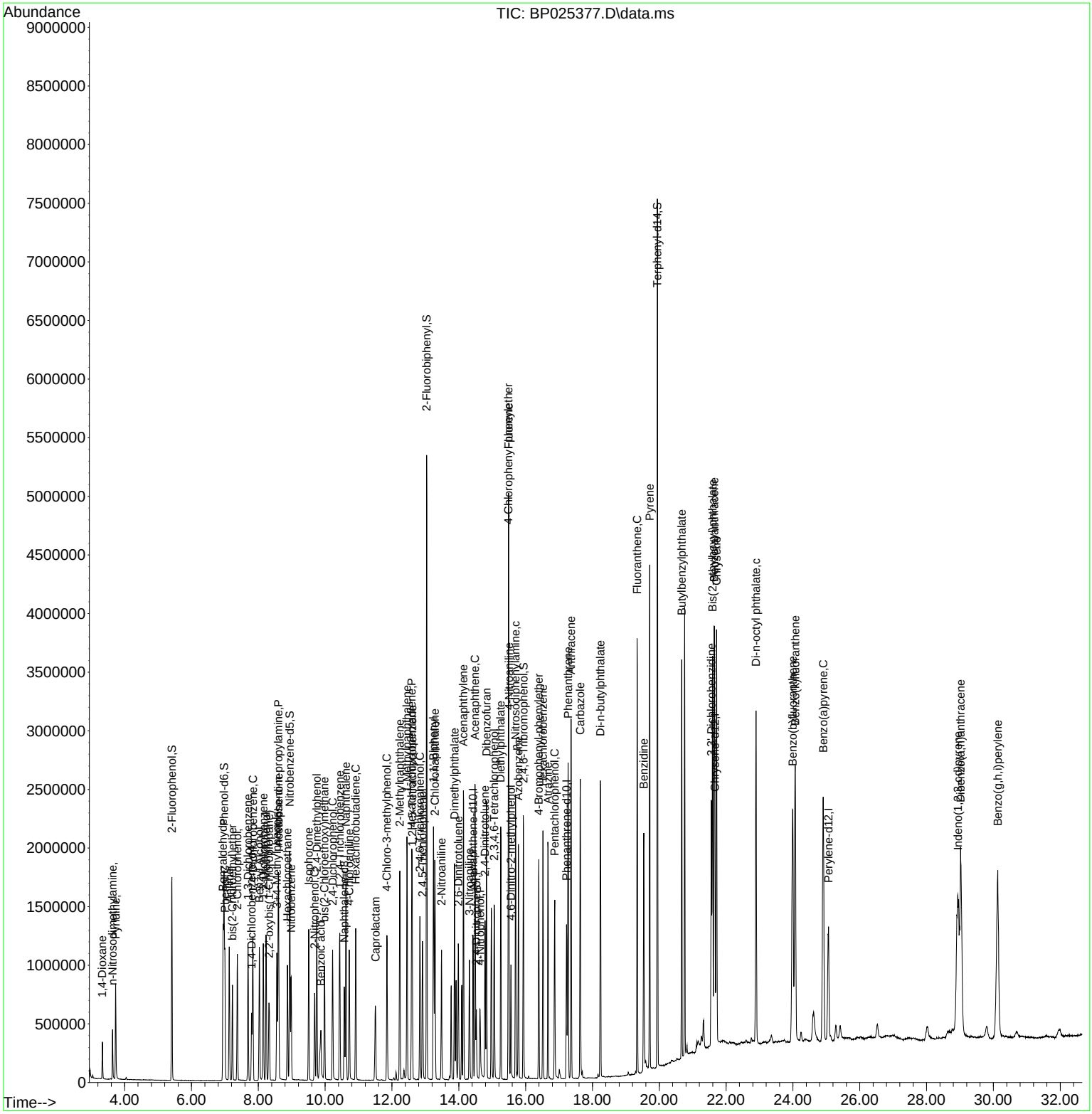
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

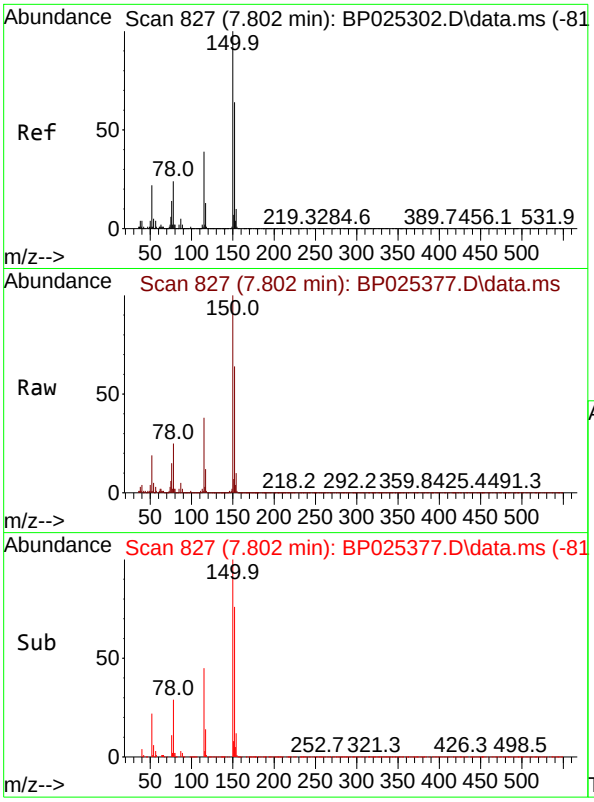
Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

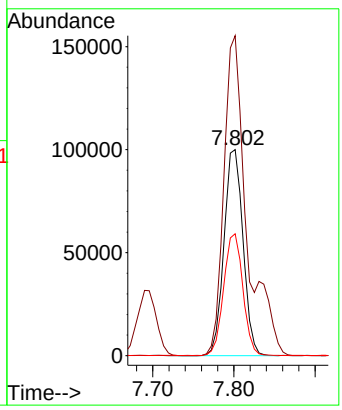




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:152 Resp: 16291

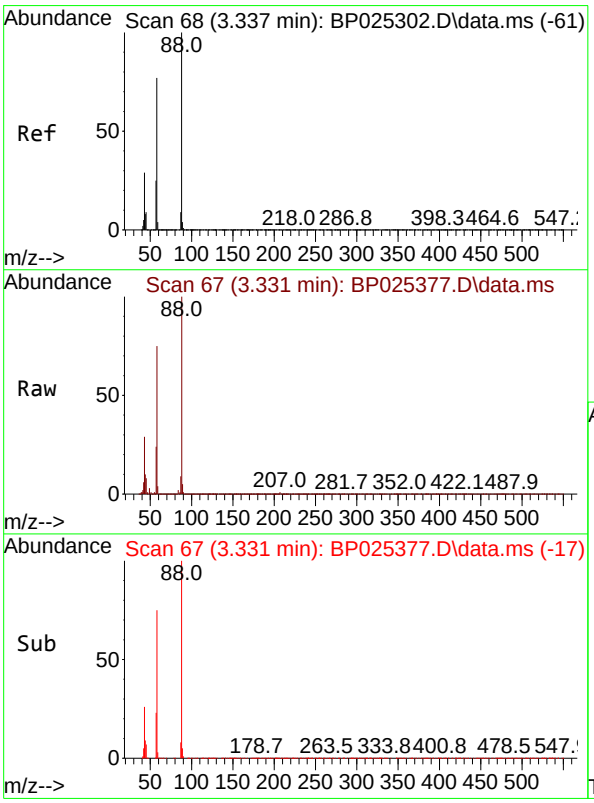
Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.1	187.7
115	59.1	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

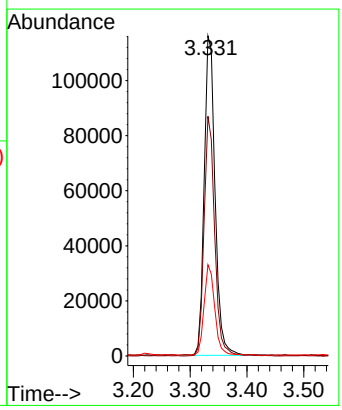
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

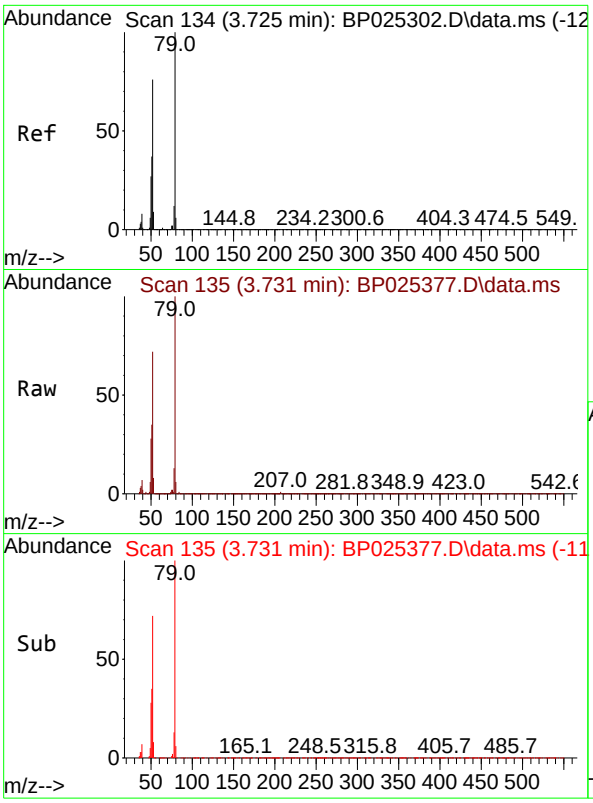


#2
1,4-Dioxane
Concen: 38.532 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 88 Resp: 154019

Ion	Ratio	Lower	Upper
88	100		
58	73.2	61.9	92.9
43	27.8	24.2	36.2

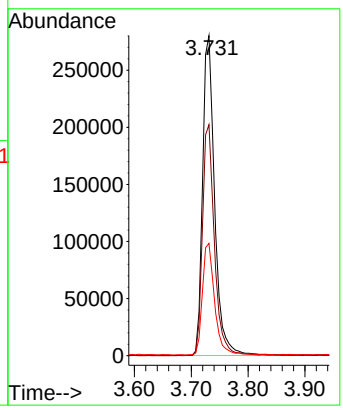




#3
Pyridine
Concen: 37.120 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 79 Resp: 41223

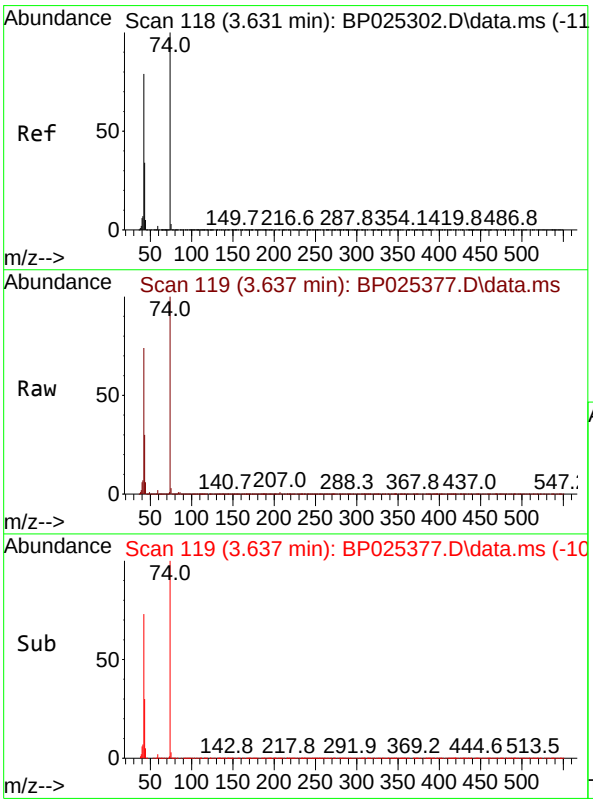
Ion	Ratio	Lower	Upper
79	100		
52	72.2	60.5	90.7
51	35.1	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

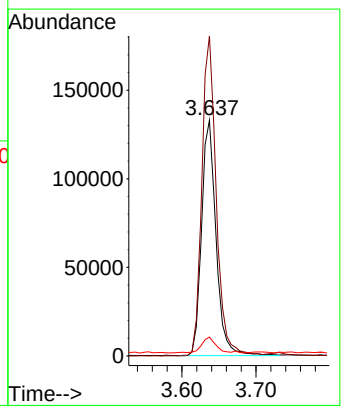
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

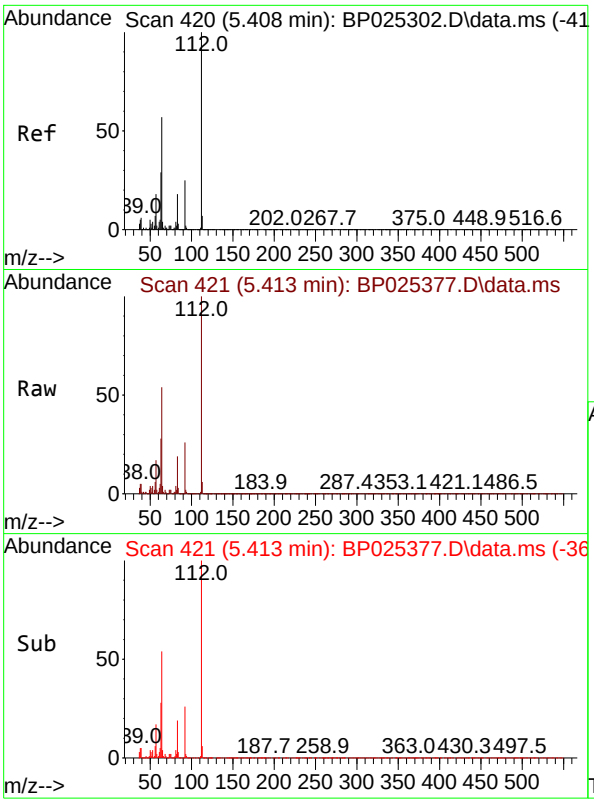


#4
n-Nitrosodimethylamine
Concen: 34.980 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 42 Resp: 180350

Ion	Ratio	Lower	Upper
42	100		
74	135.7	101.4	152.2
44	8.0	7.6	11.4

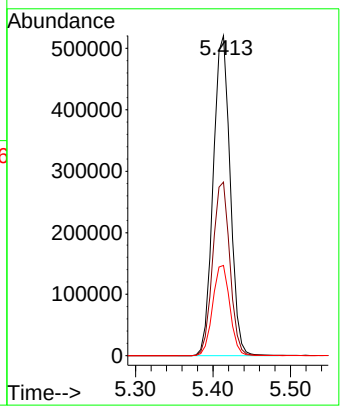




#5
2-Fluorophenol
Concen: 78.132 ng
RT: 5.413 min Scan# 4
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:112 Resp: 79139

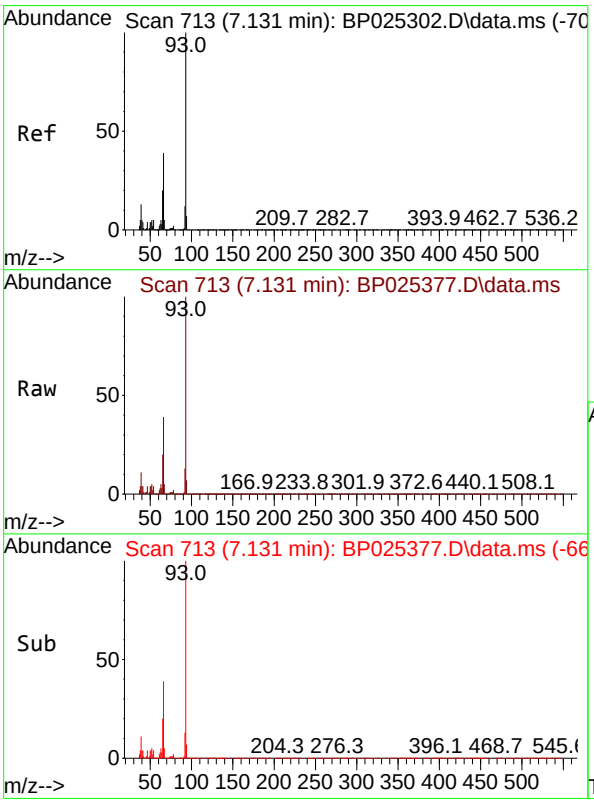
Ion	Ratio	Lower	Upper
112	100		
64	54.3	45.3	67.9
63	28.2	23.0	34.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

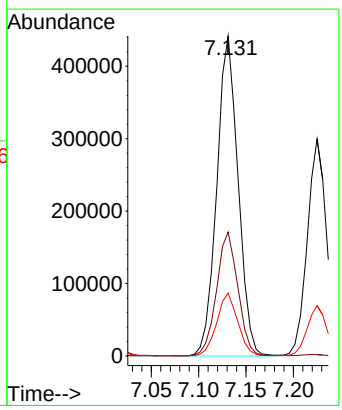
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

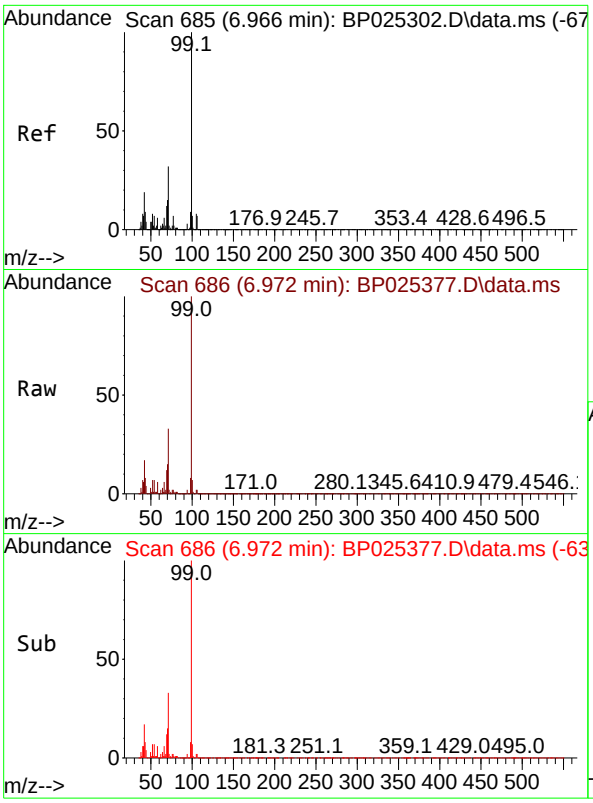


#6
Aniline
Concen: 37.788 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 93 Resp: 691509

Ion	Ratio	Lower	Upper
93	100		
66	38.7	31.1	46.7
65	19.6	15.8	23.8

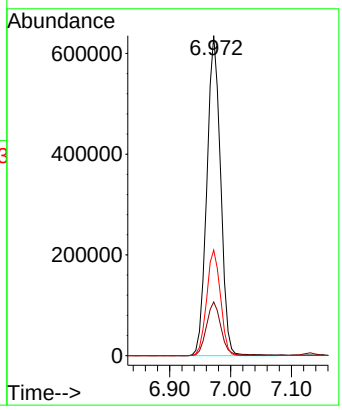




#7
Phenol-d6
Concen: 74.762 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 99 Resp: 99661

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.0	25.5	38.3



Instrument :
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ClientSampleId :
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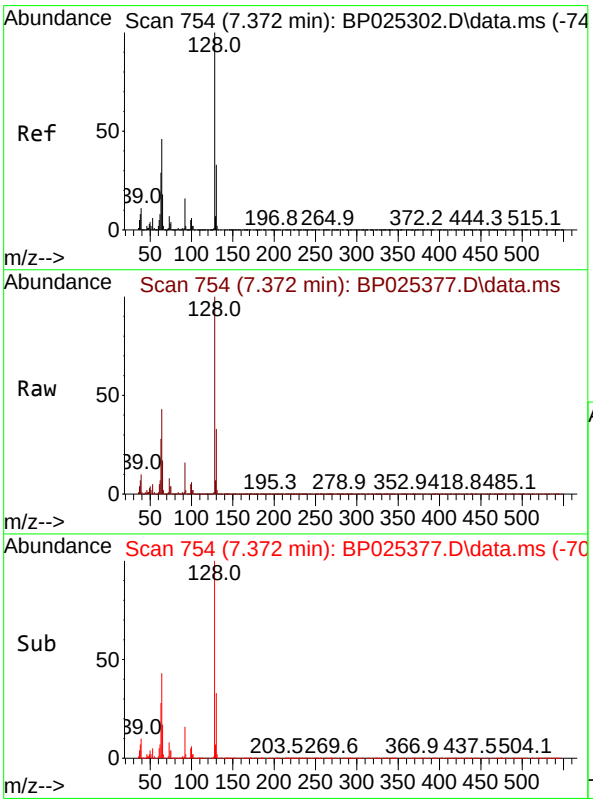
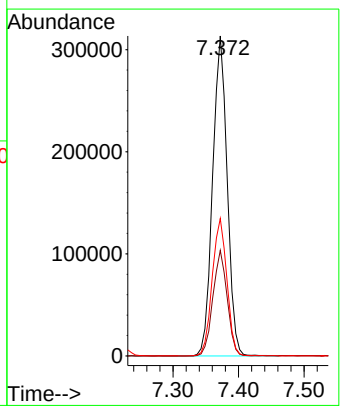
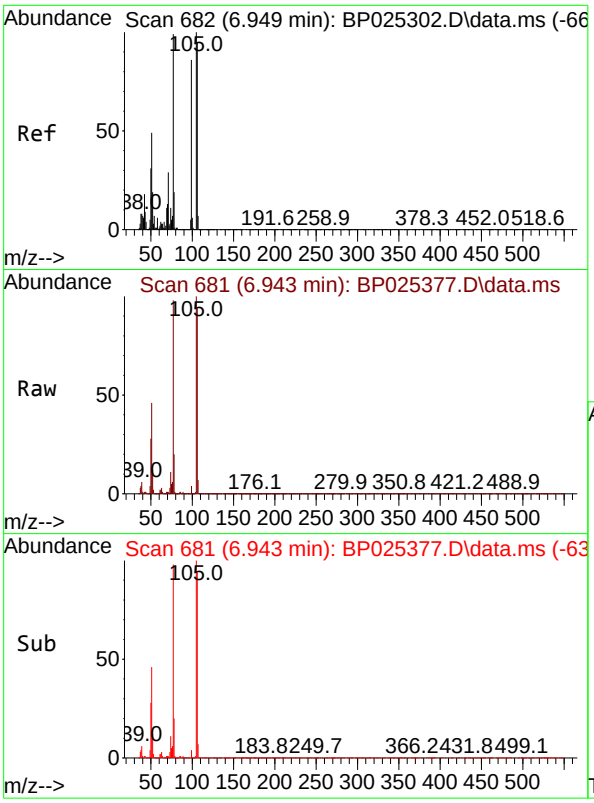


#8
2-Chlorophenol
Concen: 43.530 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:128 Resp: 482628

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	42.9	26.1	66.1

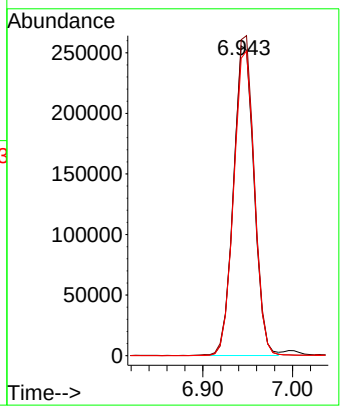




#9
Benzaldehyde
Concen: 43.002 ng
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 77 Resp: 40713

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	96.0	76.2	116.2



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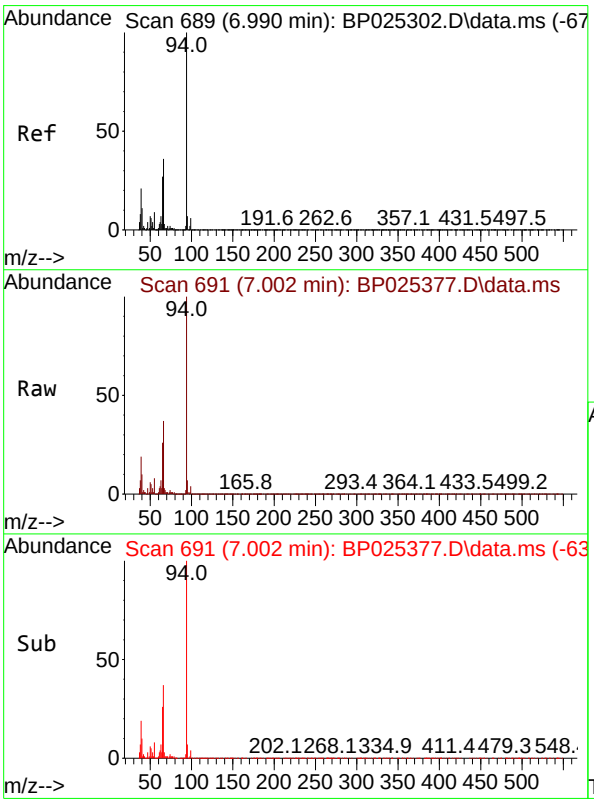
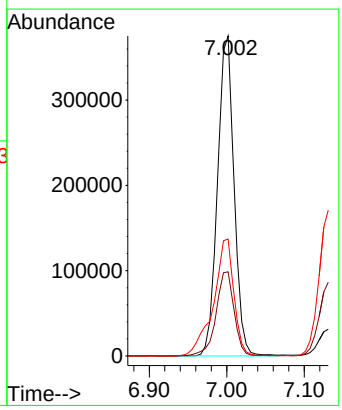
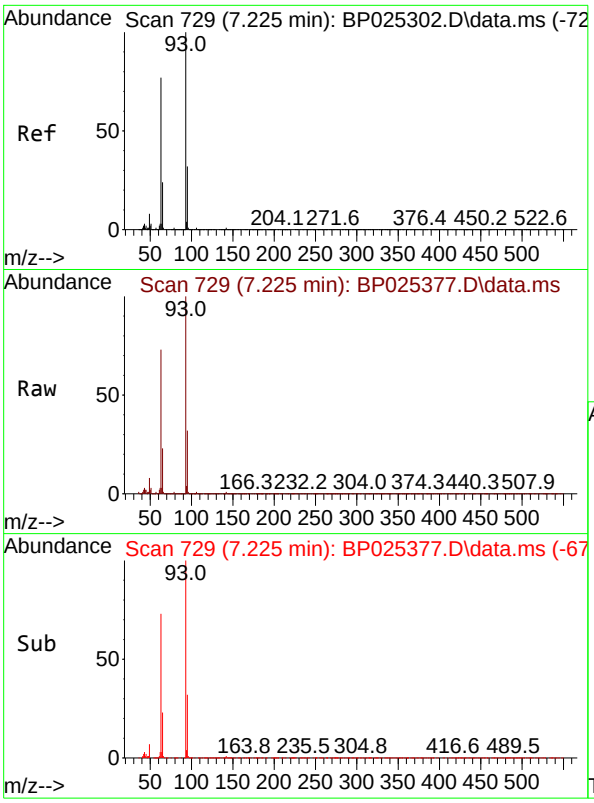


#10
Phenol
Concen: 39.092 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 94 Resp: 557573

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	36.5	15.7	55.7

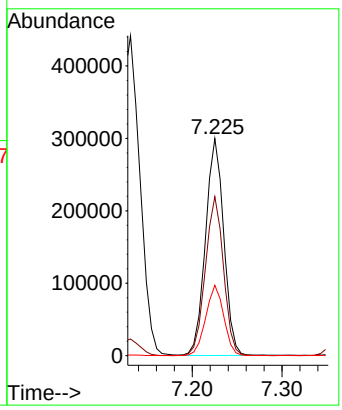




#11
bis(2-Chloroethyl)ether
Concen: 37.851 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 93 Resp: 42300

Ion	Ratio	Lower	Upper
93	100		
63	73.2	57.0	97.0
95	32.4	12.1	52.1



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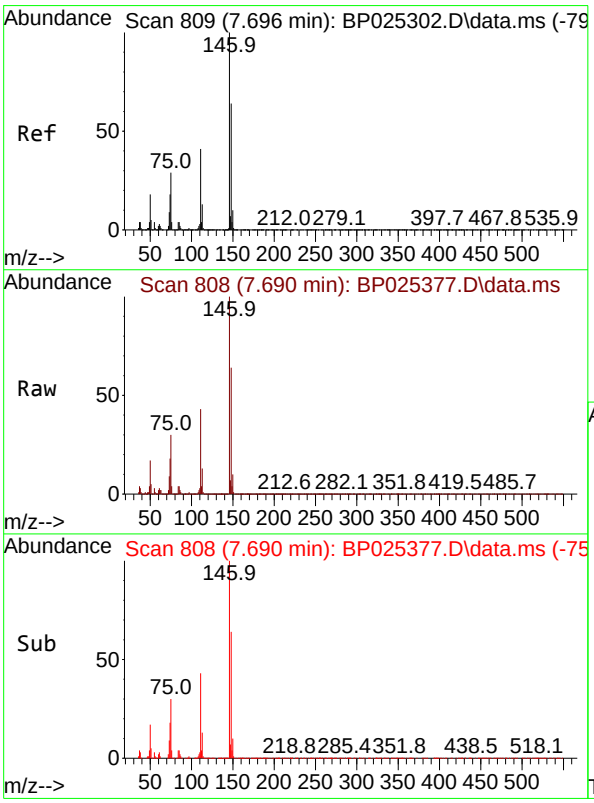
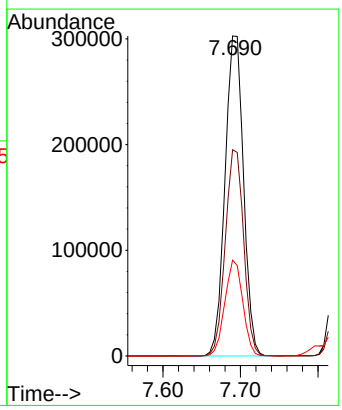
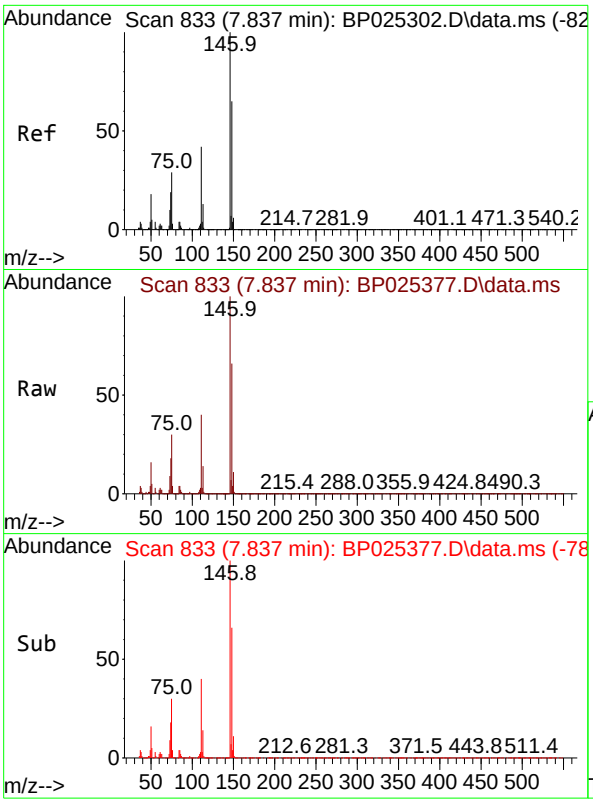


#12
1,3-Dichlorobenzene
Concen: 40.376 ng
RT: 7.690 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:146 Resp: 502997

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
75	29.9	23.2	34.8

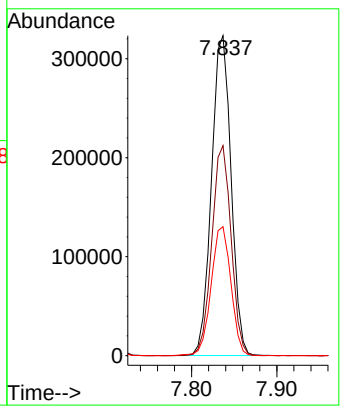




#13
1,4-Dichlorobenzene
Concen: 40.886 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:146 Resp: 515319

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.0	78.0
111	40.3	33.2	49.8



Instrument :
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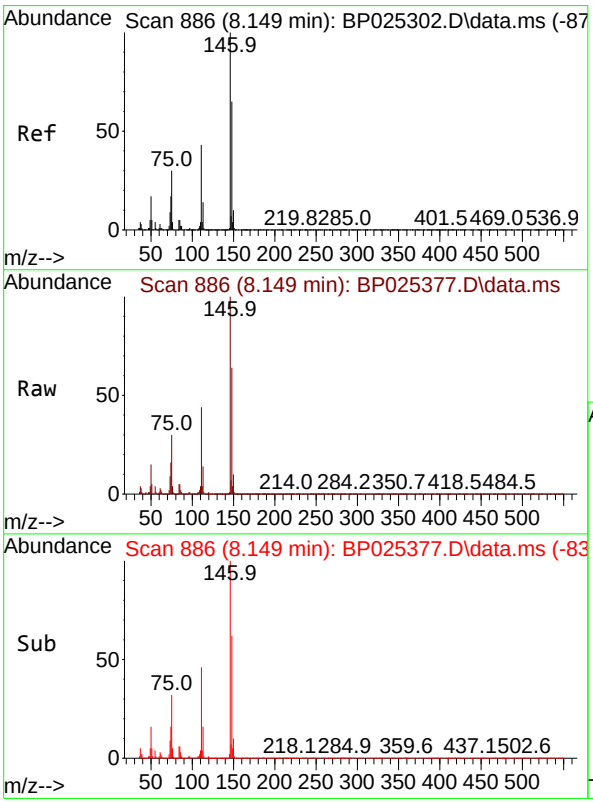
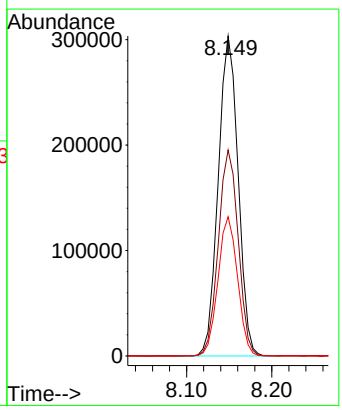
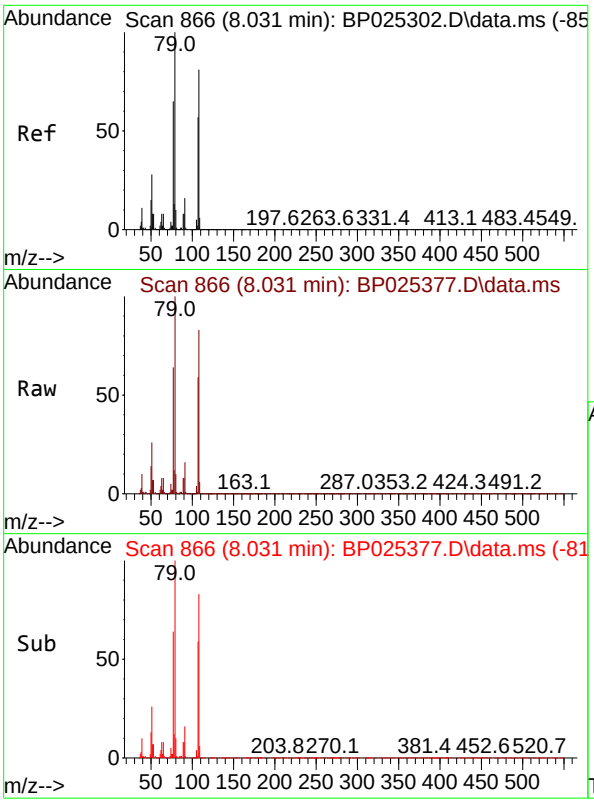


#14
1,2-Dichlorobenzene
Concen: 40.292 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:146 Resp: 491942

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.9	77.9
111	43.5	34.4	51.6

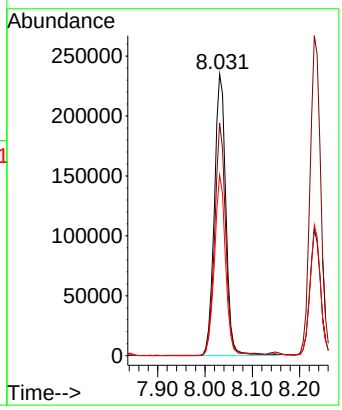




#15
Benzyl Alcohol
Concen: 38.407 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 79 Resp: 39686

Ion	Ratio	Lower	Upper
79	100		
108	82.7	64.5	96.7
77	64.1	51.9	77.9



Instrument :
BNA_P
ClientSampleId :
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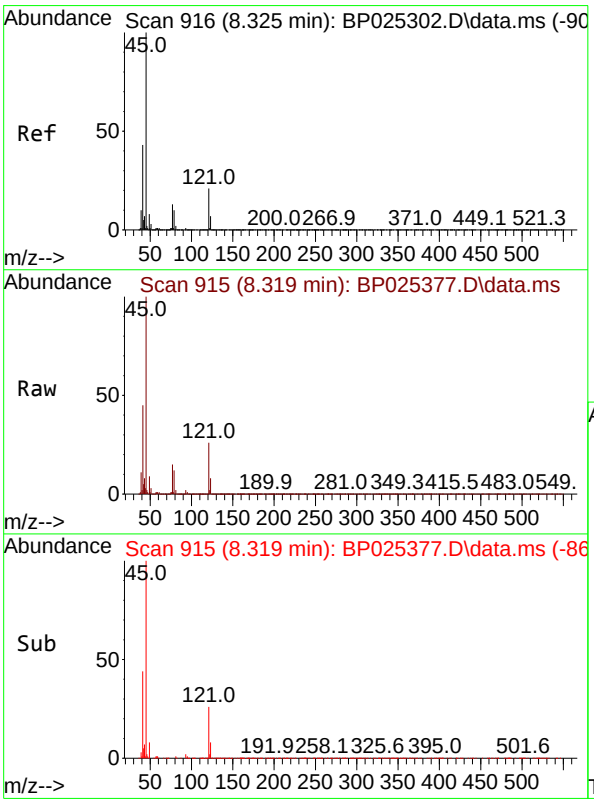
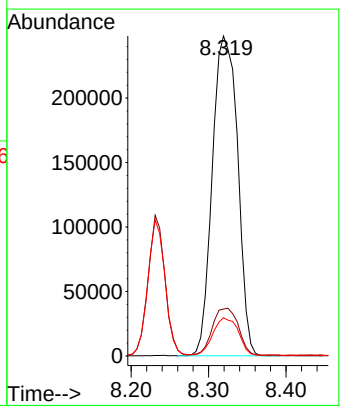
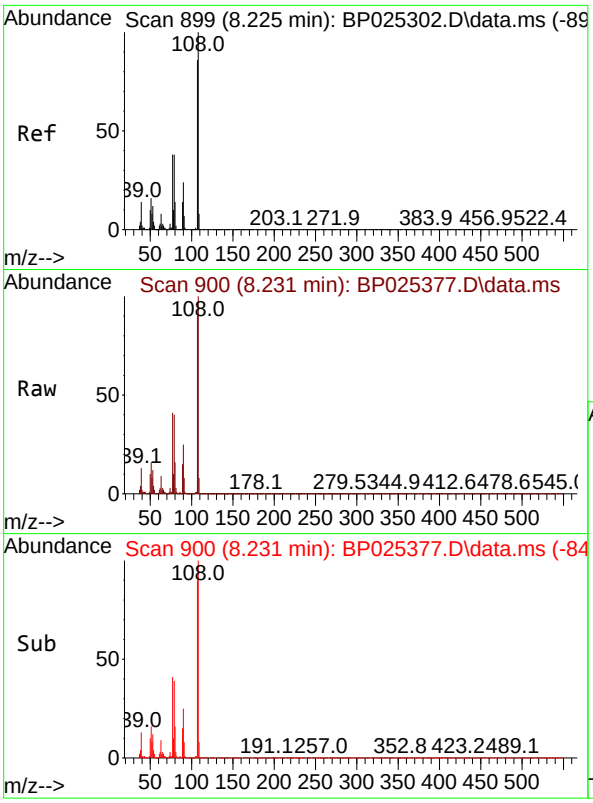


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.950 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 45 Resp: 564054

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	33.0
79	11.9	0.0	29.8

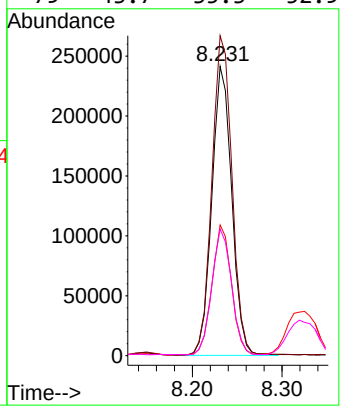




#17
2-Methylphenol
Concen: 38.971 ng
RT: 8.231 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:107 Resp: 37193

Ion	Ratio	Lower	Upper
107	100		
108	110.6	92.6	139.0
77	45.2	35.4	53.2
79	43.7	35.3	52.9



Instrument :
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ClientSampleId :
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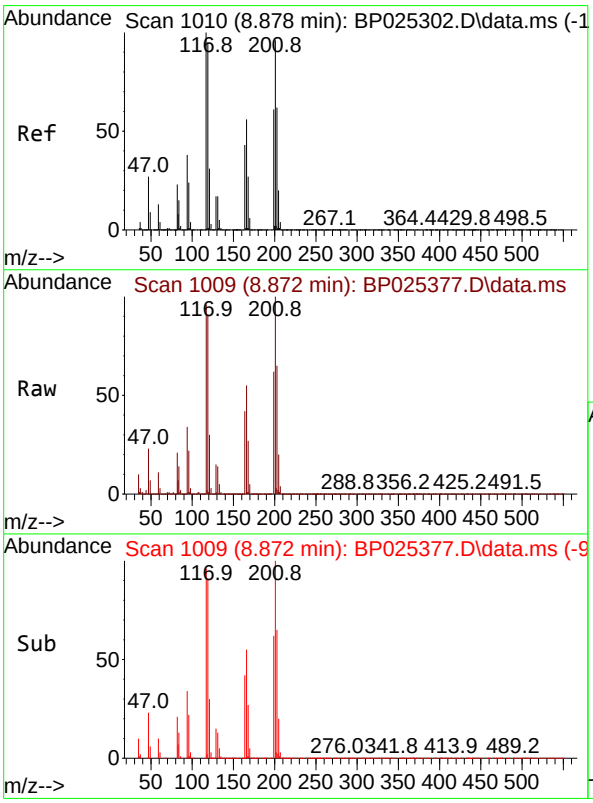
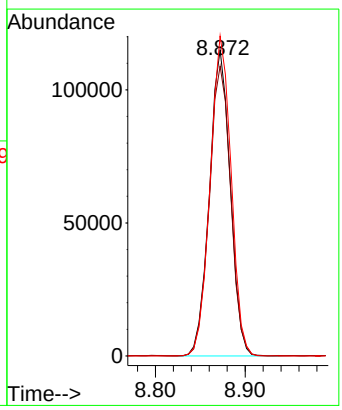
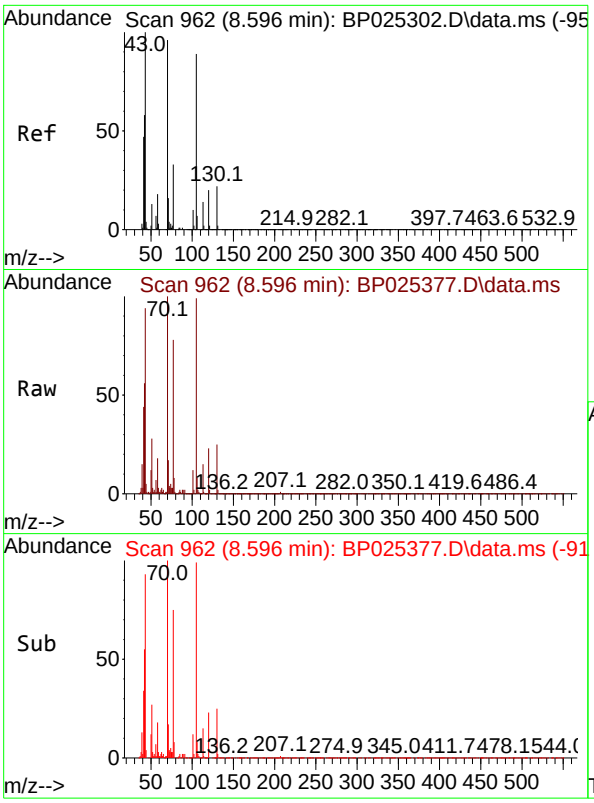


#18
Hexachloroethane
Concen: 41.220 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:117 Resp: 185794

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	104.6	76.6	114.8

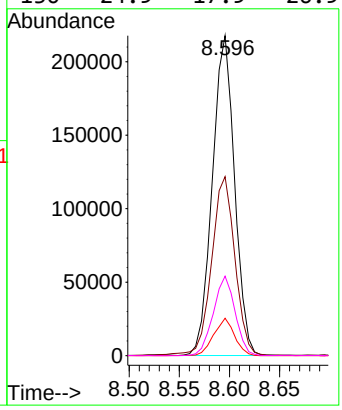




#19
n-Nitroso-di-n-propylamine
Concen: 38.302 ng
RT: 8.596 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 70 Resp: 33546

Ion	Ratio	Lower	Upper
70	100		
42	56.0	49.4	74.0
101	11.7	7.9	11.9
130	24.9	17.9	26.9



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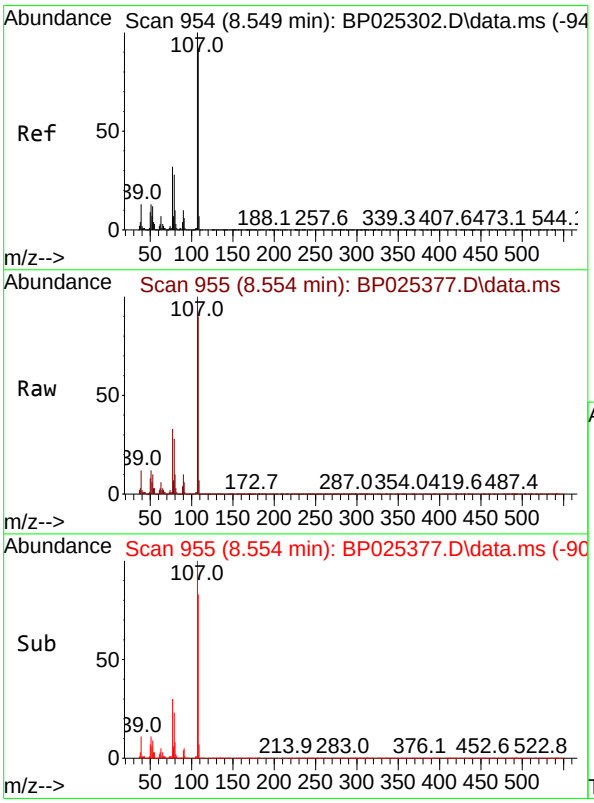
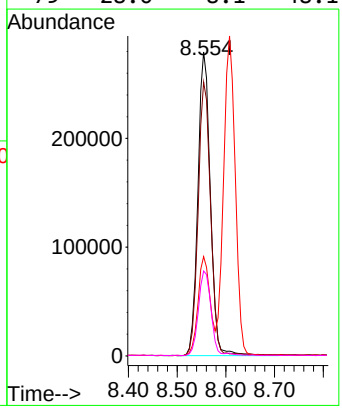
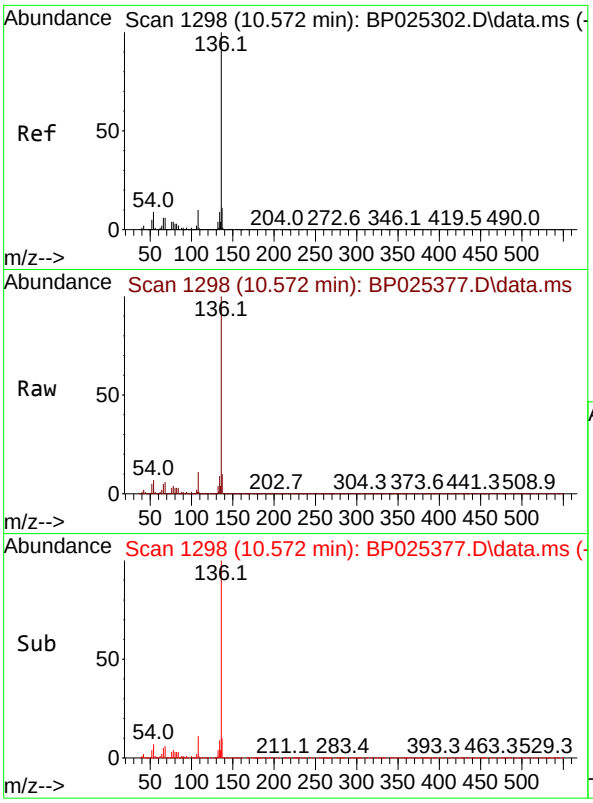


#20
3+4-Methylphenols
Concen: 38.009 ng
RT: 8.554 min Scan# 955
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:107 Resp: 499518

Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.9	111.9
77	32.7	12.0	52.0
79	28.0	8.1	48.1

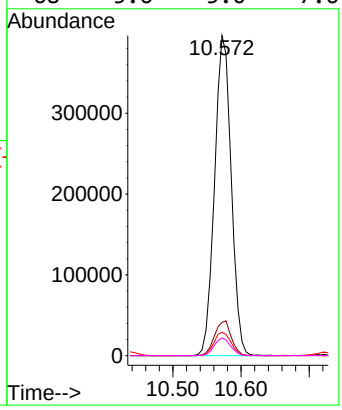




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:136 Resp: 67335

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.3	7.0	10.6
68	5.6	5.0	7.6



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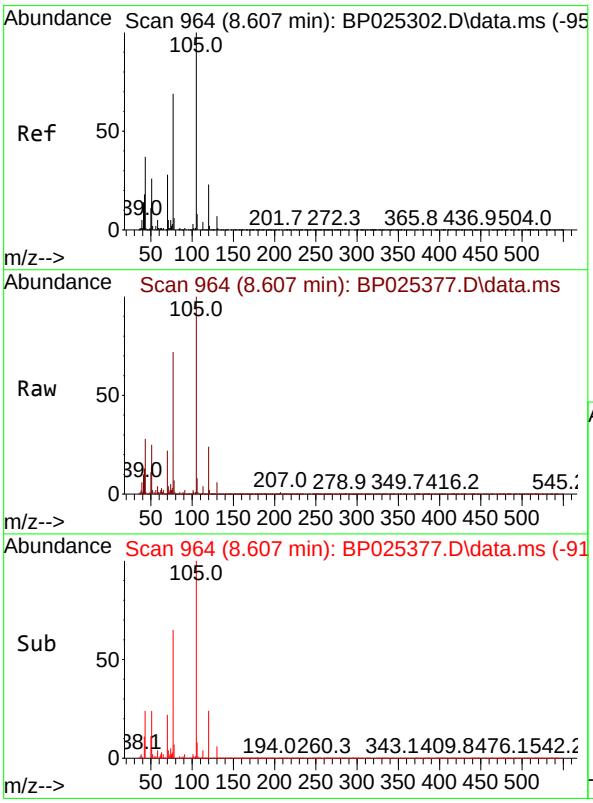
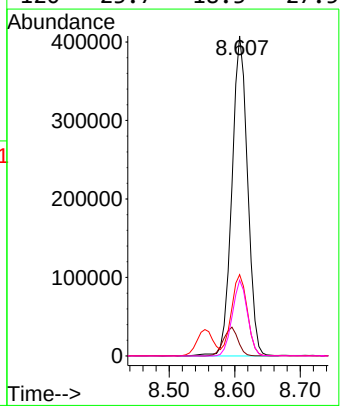
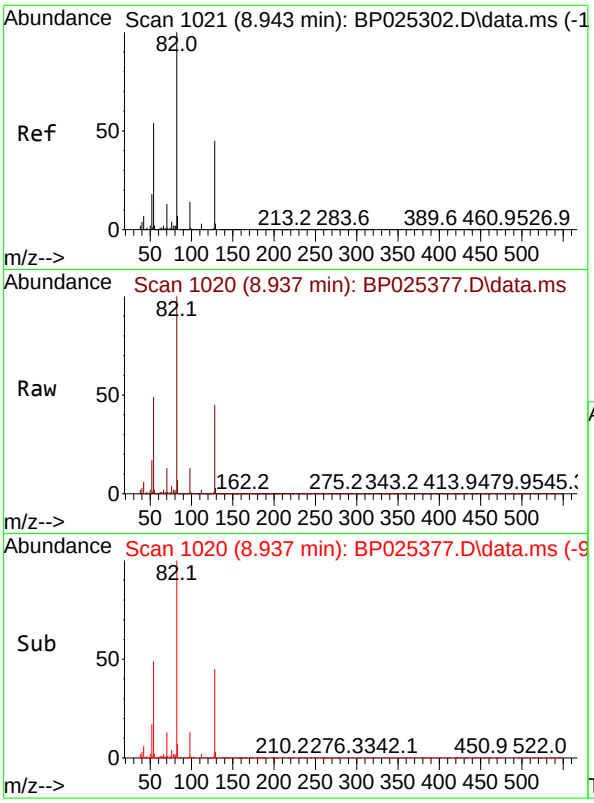


#22
Acetophenone
Concen: 40.054 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:105 Resp: 677050

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.1	6.1#
51	25.4	22.7	34.1
120	23.7	18.3	27.5

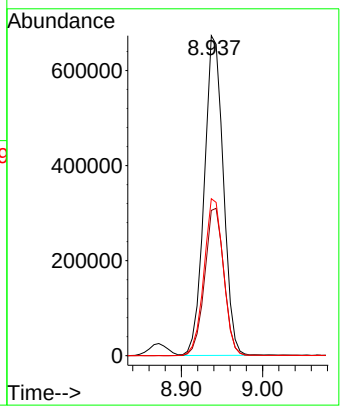




#23
Nitrobenzene-d5
Concen: 90.170 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 82 Resp: 109593

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.4	53.2
54	49.0	42.9	64.3



Instrument :
BNA_P
ClientSampleId :
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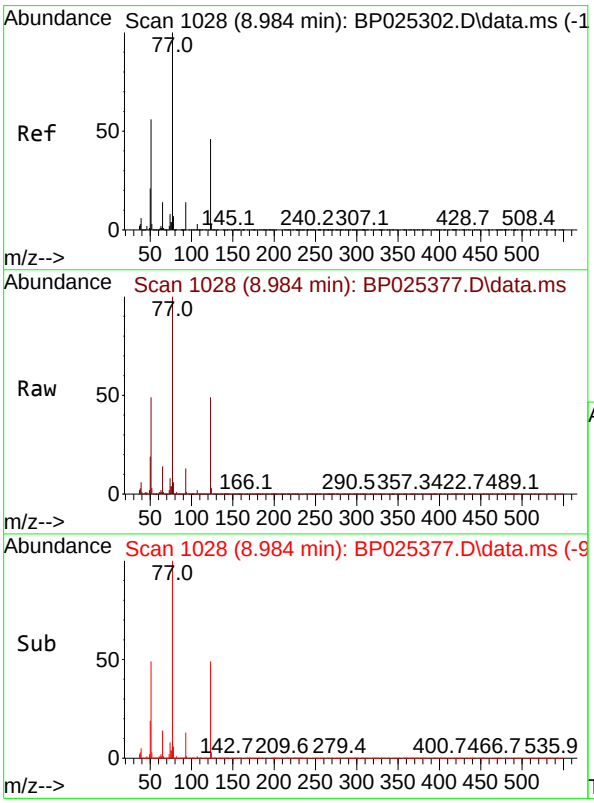
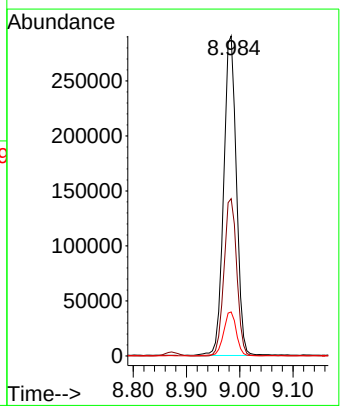
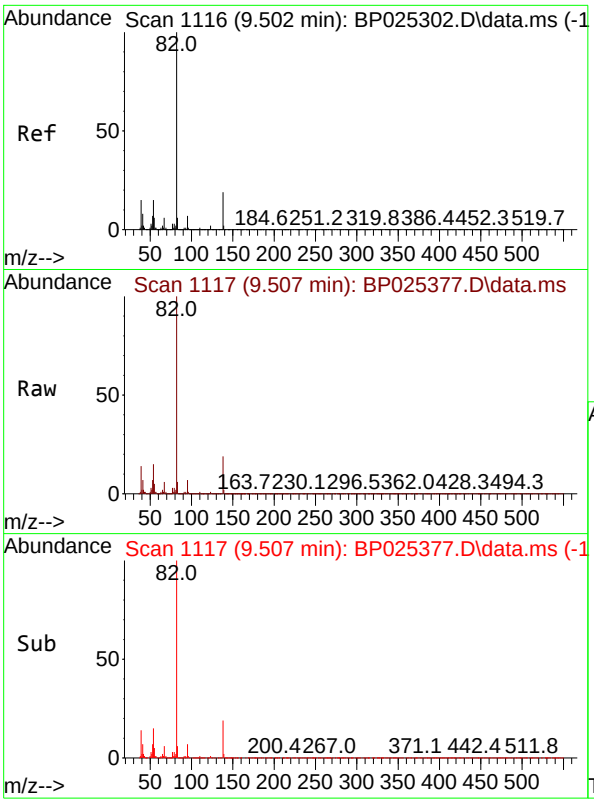


#24
Nitrobenzene
Concen: 41.925 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 77 Resp: 482357

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.4	56.2
65	13.7	11.1	16.7

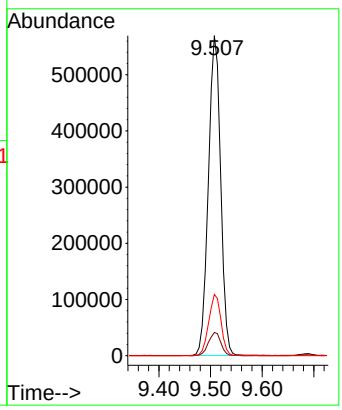




#25
Isophorone
Concen: 38.808 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 82 Resp: 93889

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	19.1	15.0	22.6



Instrument :
BNA_P
ClientSampleId :
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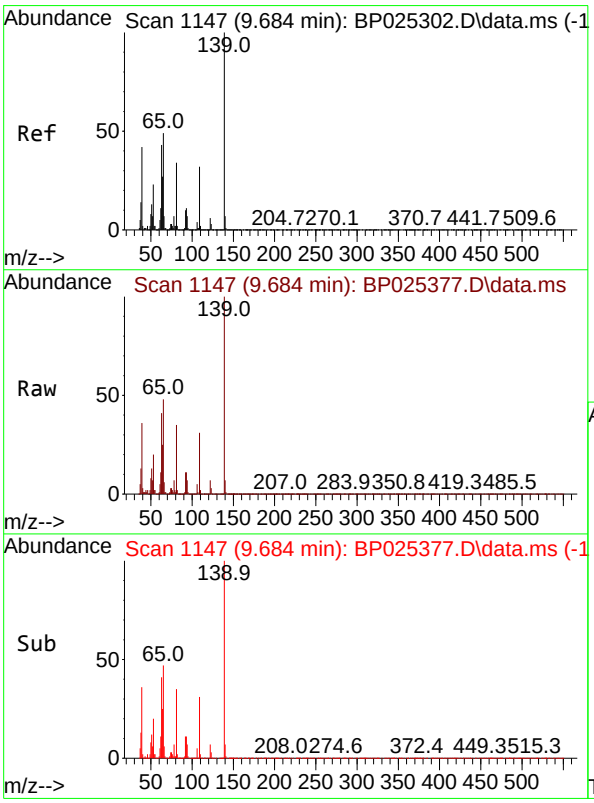
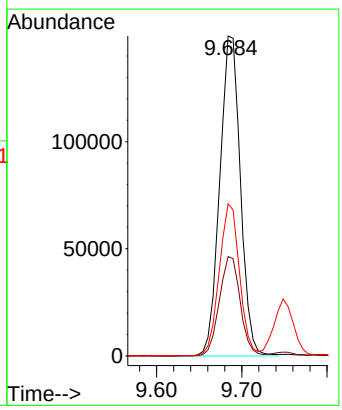
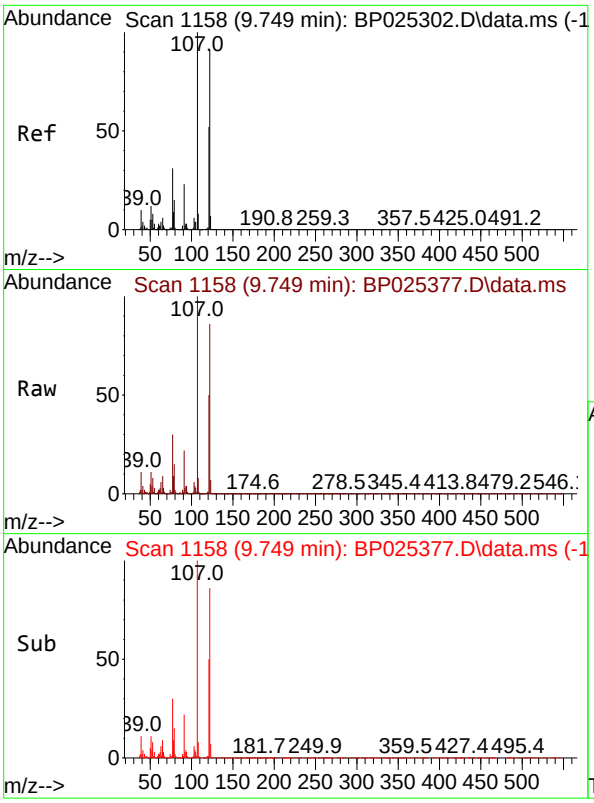


#26
2-Nitrophenol
Concen: 50.097 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:139 Resp: 251939

Ion	Ratio	Lower	Upper
139	100		
109	31.0	25.2	37.8
65	47.5	39.6	59.4

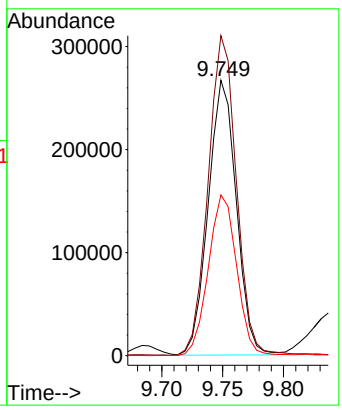




#27
2,4-Dimethylphenol
Concen: 38.455 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:122 Resp: 42893

Ion	Ratio	Lower	Upper
122	100		
107	116.2	87.4	131.0
121	58.4	45.8	68.8



Instrument :
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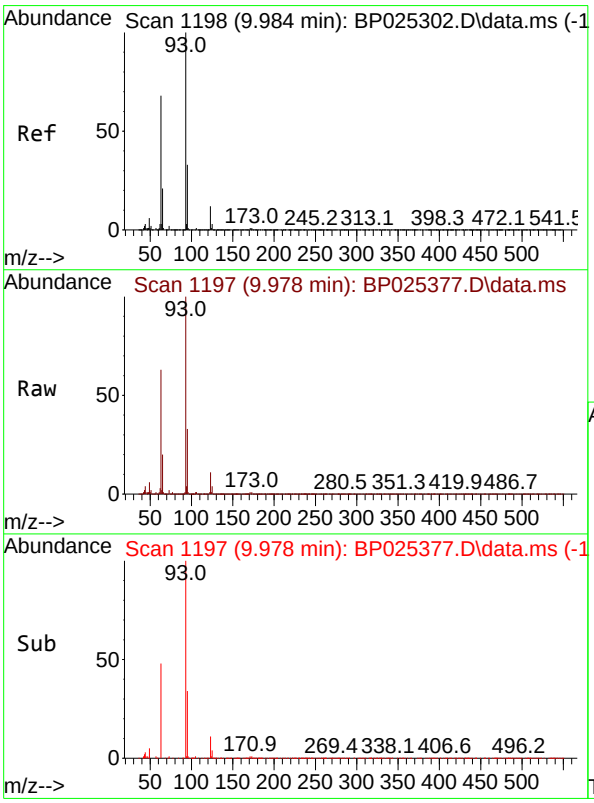
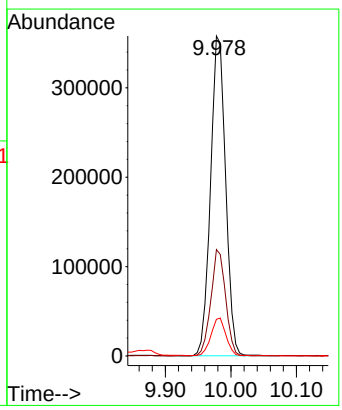
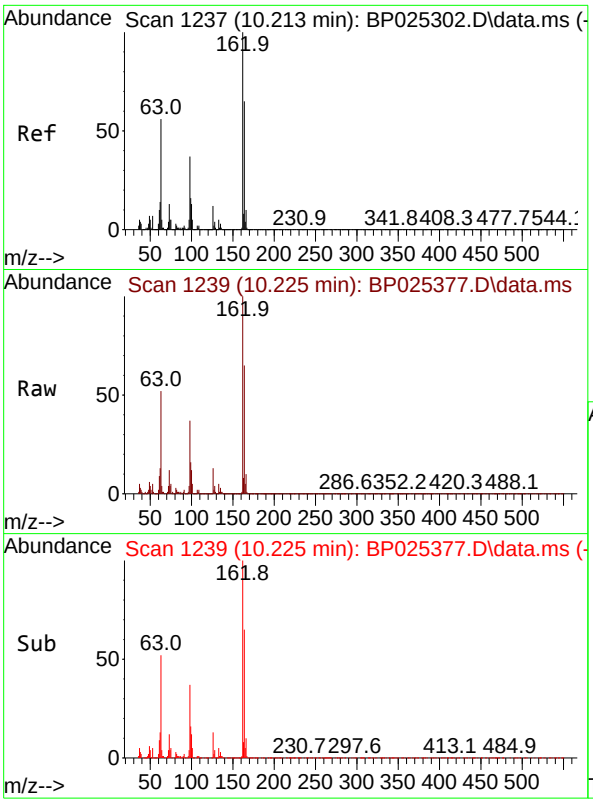


#28
bis(2-Chloroethoxy)methane
Concen: 38.899 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 93 Resp: 572502

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.5	39.7
123	11.5	9.4	14.2





#29
2,4-Dichlorophenol
Concen: 42.260 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:162 Resp: 41268

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.2	85.2
98	36.6	17.5	57.5

Instrument :
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ClientSampleId :
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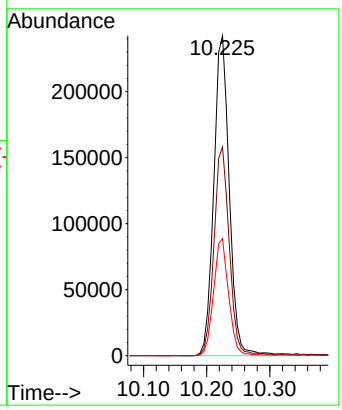
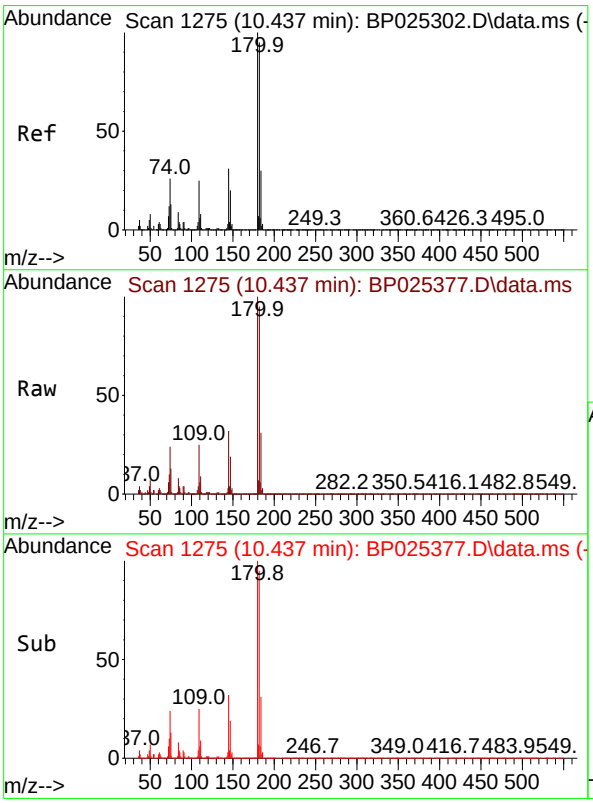
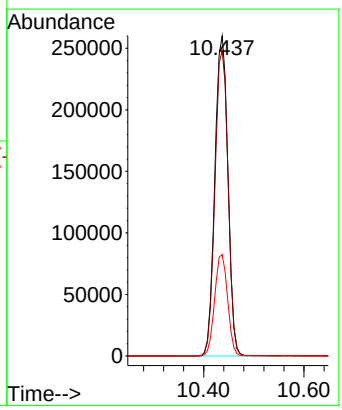


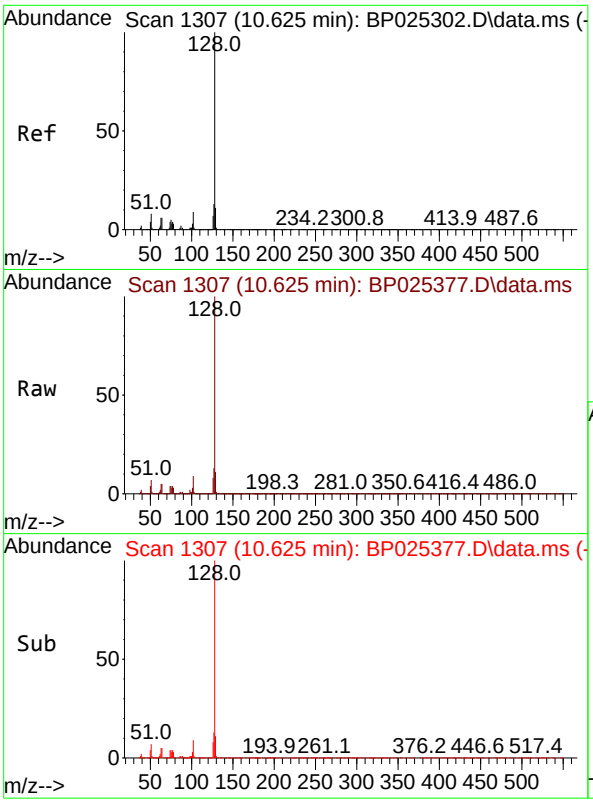


#30
1,2,4-Trichlorobenzene
Concen: 43.530 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:180 Resp: 468974

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	31.7	25.0	37.4





#31
Naphthalene
Concen: 40.934 ng
RT: 10.625 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:128 Resp: 143085

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.2	10.4	15.6

Instrument :
BNA_P
ClientSampleId :
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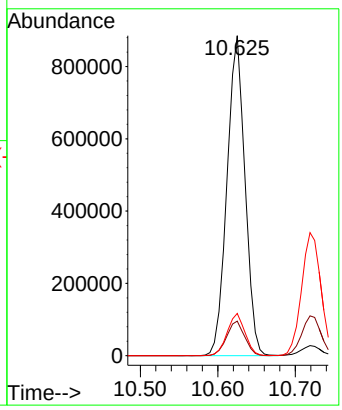
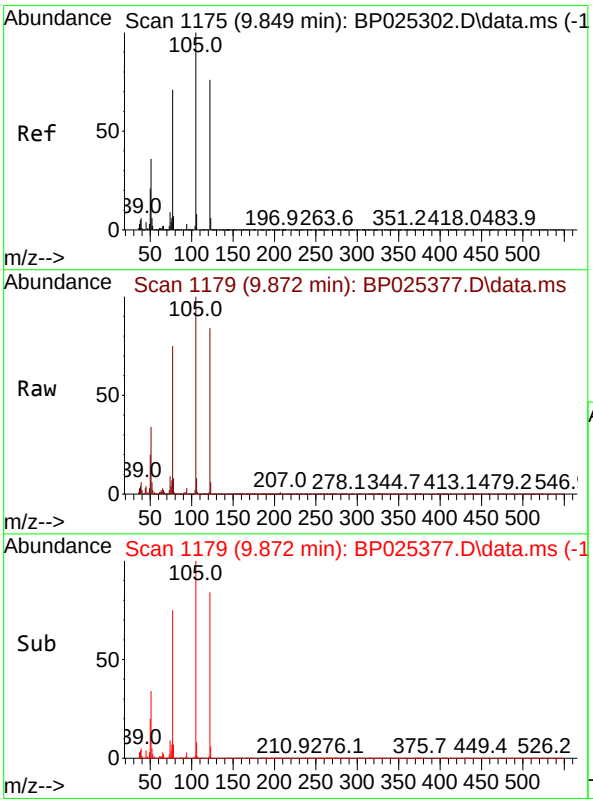
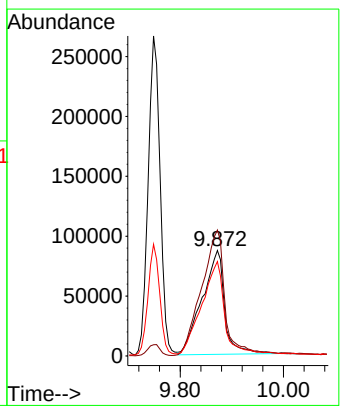


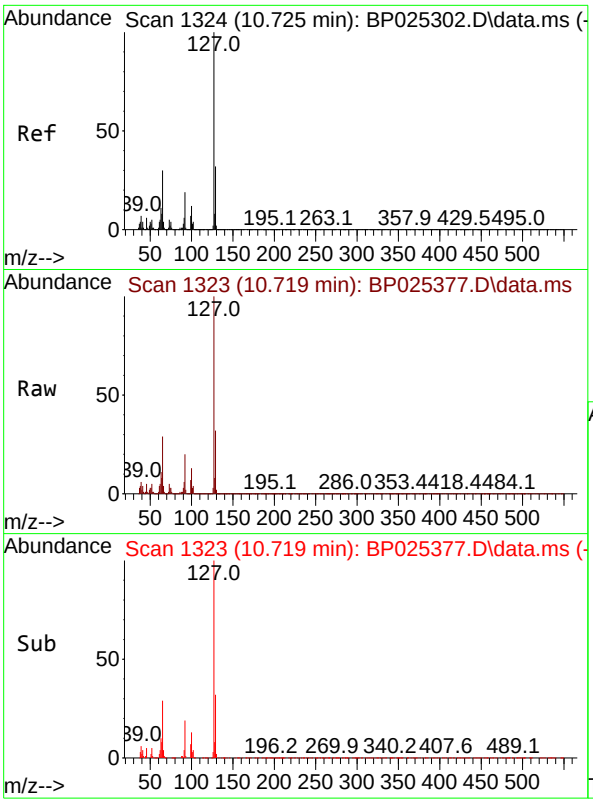


#32
Benzoic acid
Concen: 43.252 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:122 Resp: 263556

Ion	Ratio	Lower	Upper
122	100		
105	119.4	104.0	144.0
77	89.5	71.8	111.8

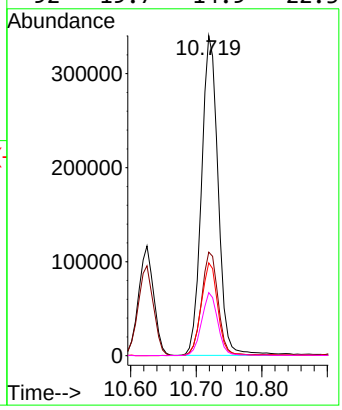




#33
4-Chloroaniline
Concen: 38.661 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:127 Resp: 60104

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.0	23.6	35.4
92	19.7	14.9	22.3



Instrument :
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ClientSampleId :
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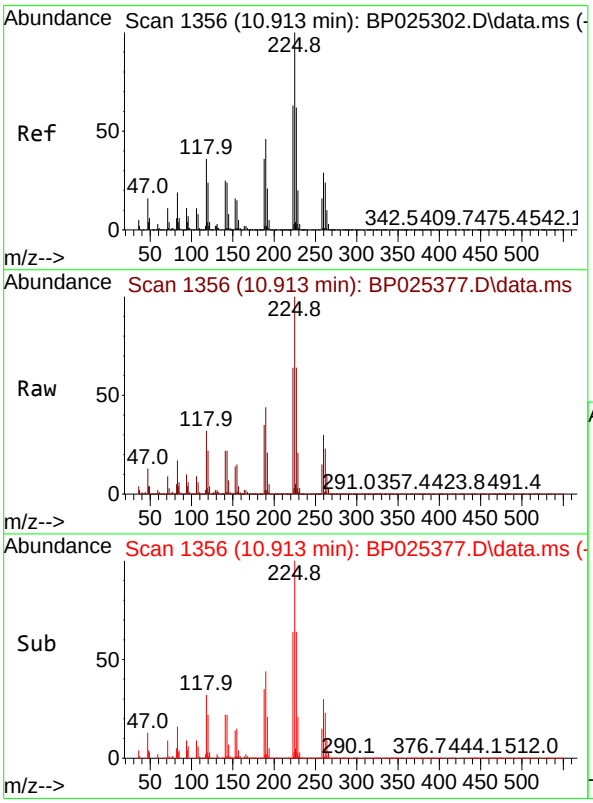
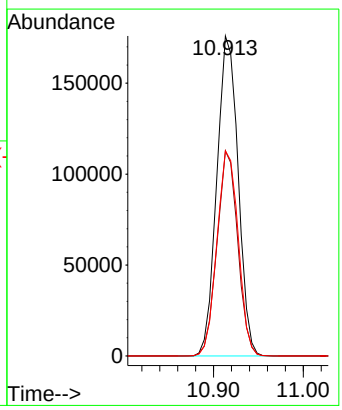
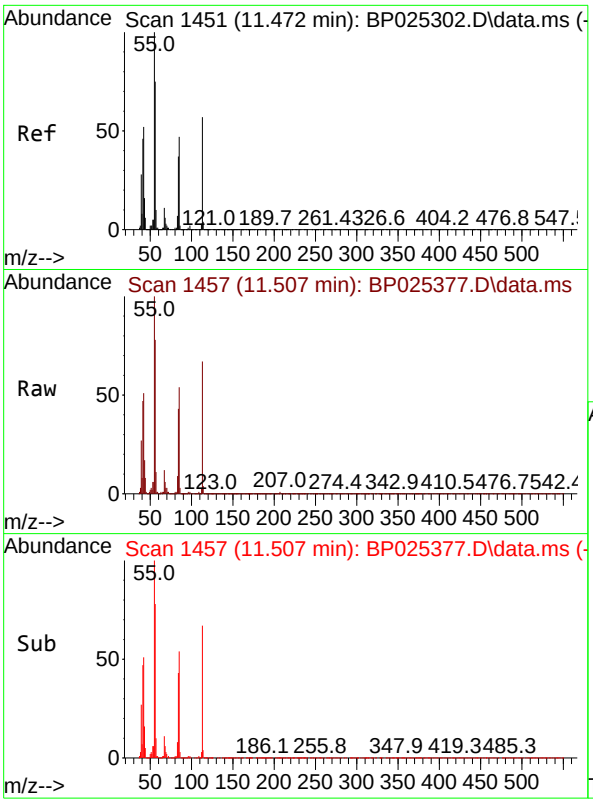


#34
Hexachlorobutadiene
Concen: 46.907 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:225 Resp: 290090

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	64.1	49.7	74.5

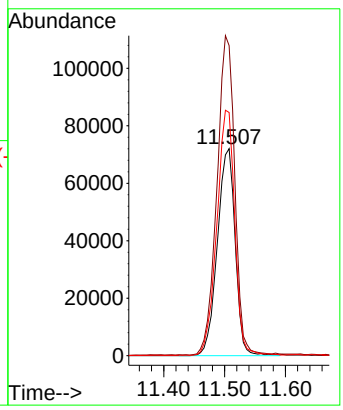




#35
Caprolactam
Concen: 38.677 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:113 Resp: 14652

Ion	Ratio	Lower	Upper
113	100		
55	149.8	154.4	194.4
56	117.5	110.9	150.9



Instrument :
BNA_P
ClientSampleId :
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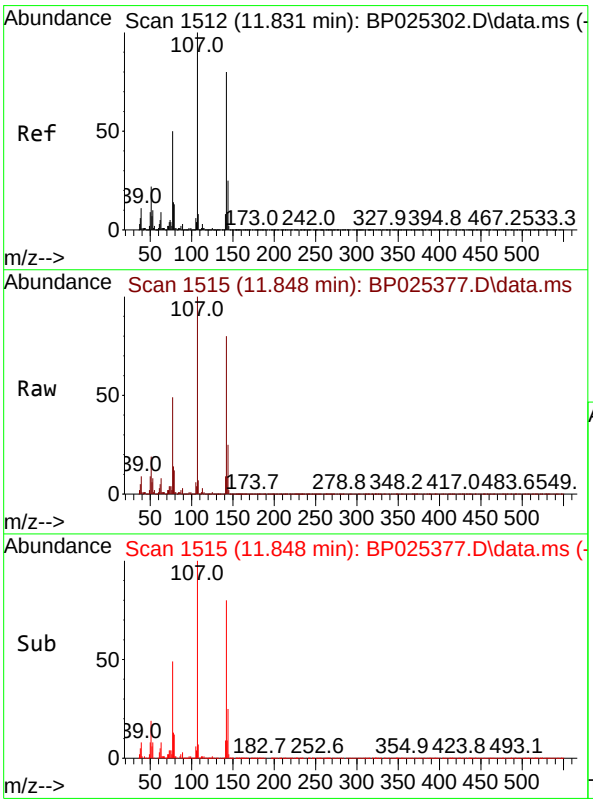
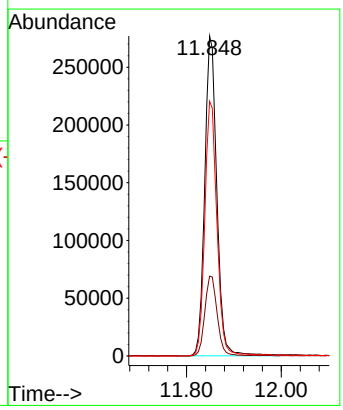
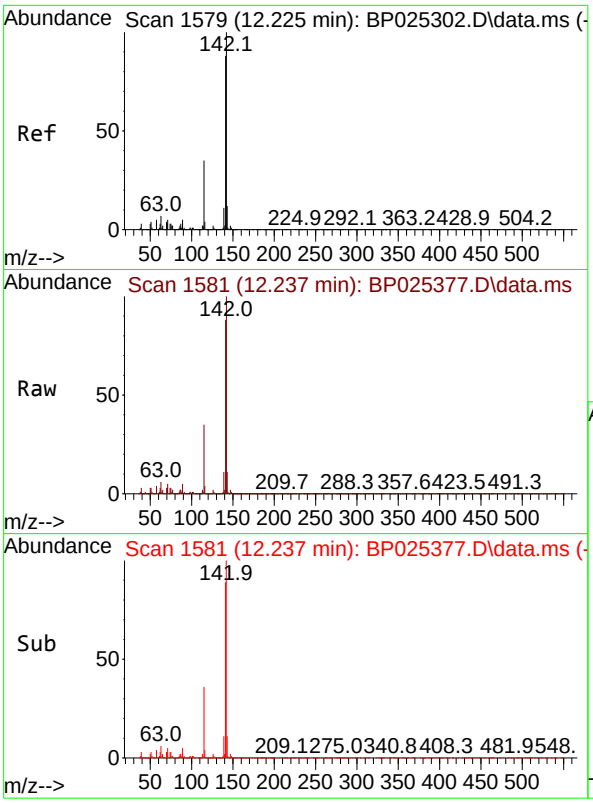


#36
4-Chloro-3-methylphenol
Concen: 43.328 ng
RT: 11.848 min Scan# 1515
Delta R.T. 0.017 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:107 Resp: 489583

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	79.6	63.7	95.5

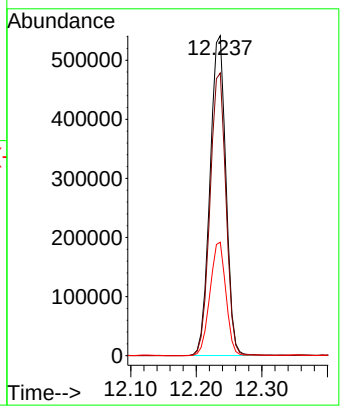




#37
2-Methylnaphthalene
Concen: 40.333 ng
RT: 12.237 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:142 Resp: 91252

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6
115	35.5	28.0	42.0



Instrument :
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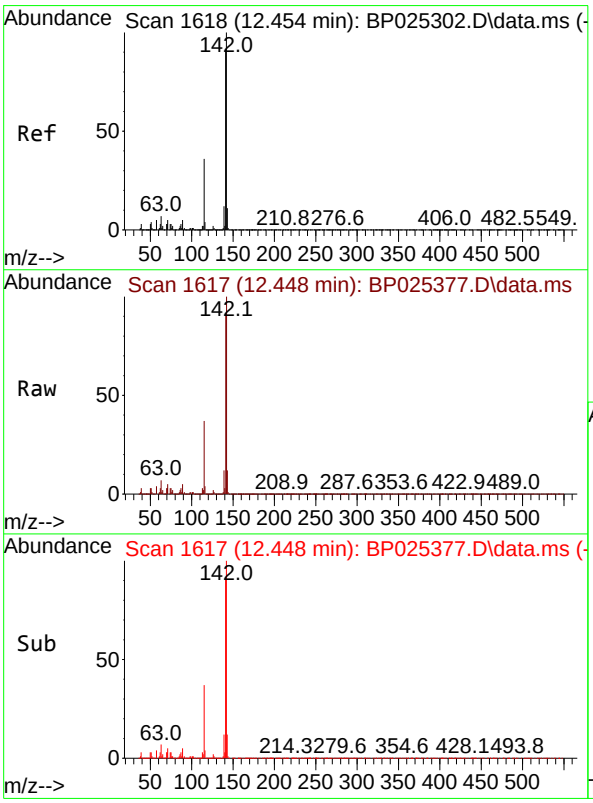
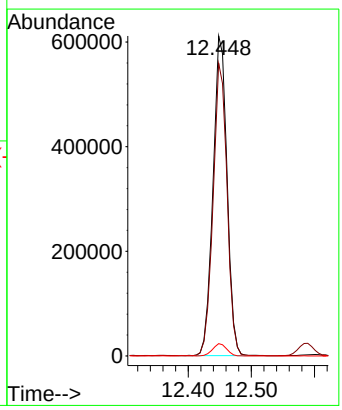
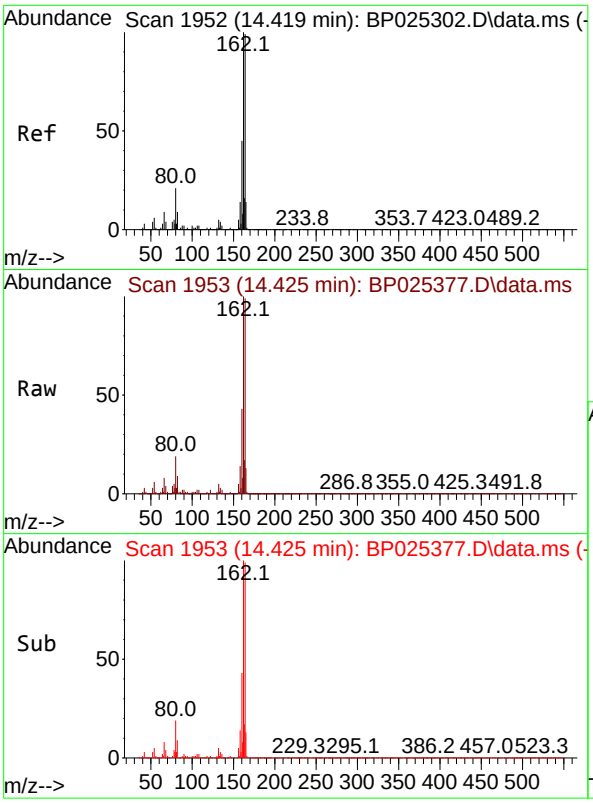


#38
1-Methylnaphthalene
Concen: 39.898 ng
RT: 12.448 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:142 Resp: 941888

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.6
116	3.8	3.0	4.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:164 Resp: 41684

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	43.8	35.9	53.9

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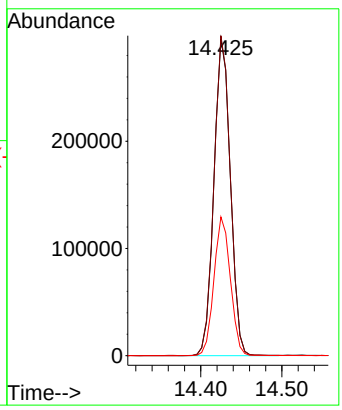
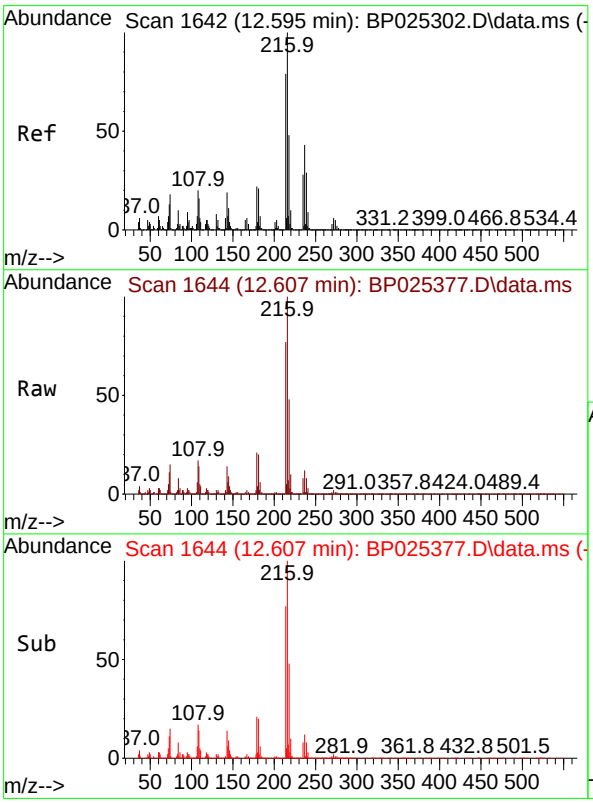
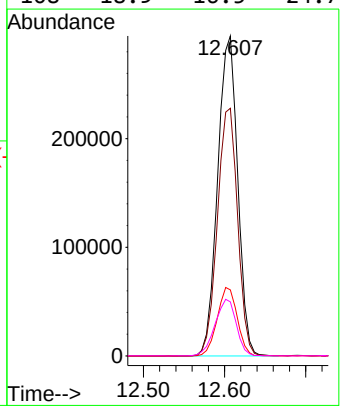


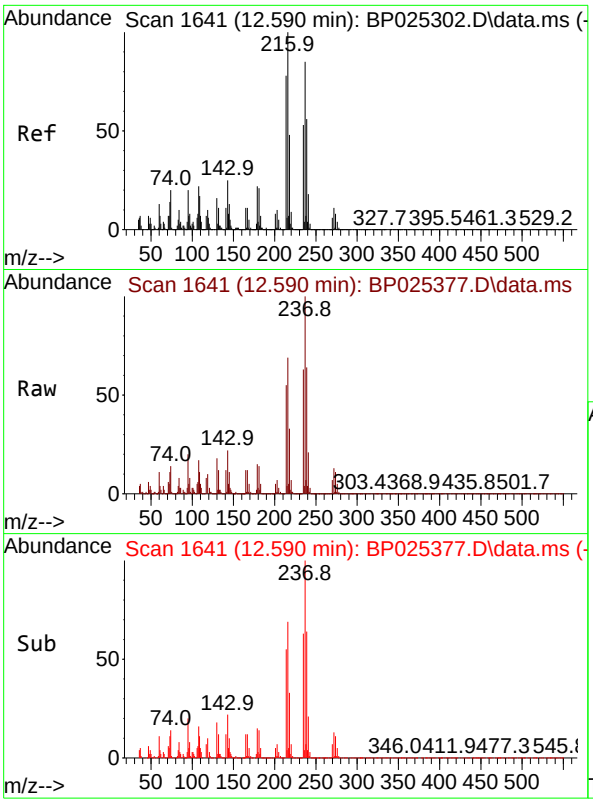


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.455 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:216 Resp: 505917

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.4	93.6
179	21.4	17.5	26.3
108	18.9	16.5	24.7





#41
Hexachlorocyclopentadiene
Concen: 45.169 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:237 Resp: 31726

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.2	82.2
272	13.1	0.0	32.8

Instrument :
BNA_P
ClientSampleId :
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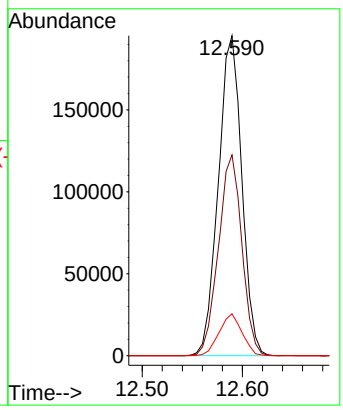
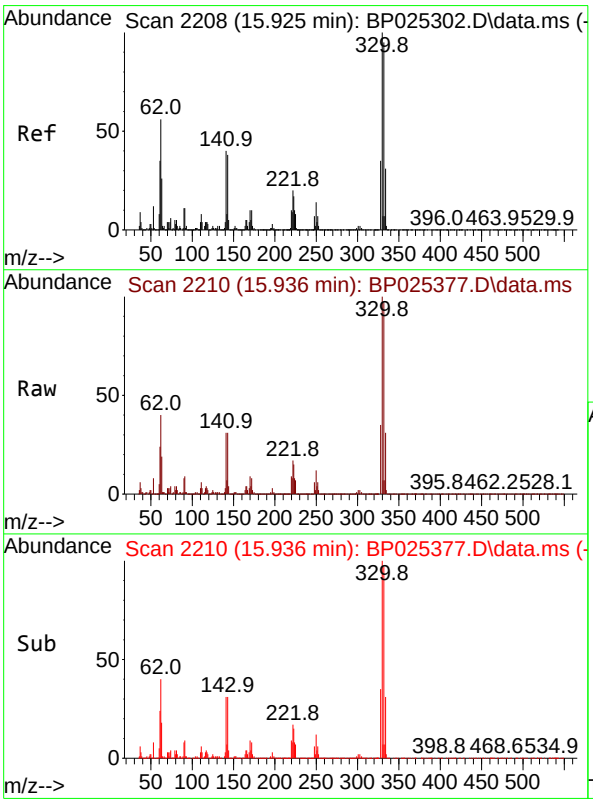
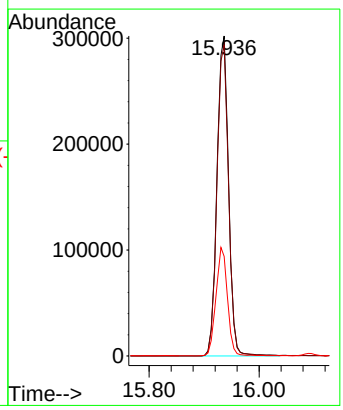


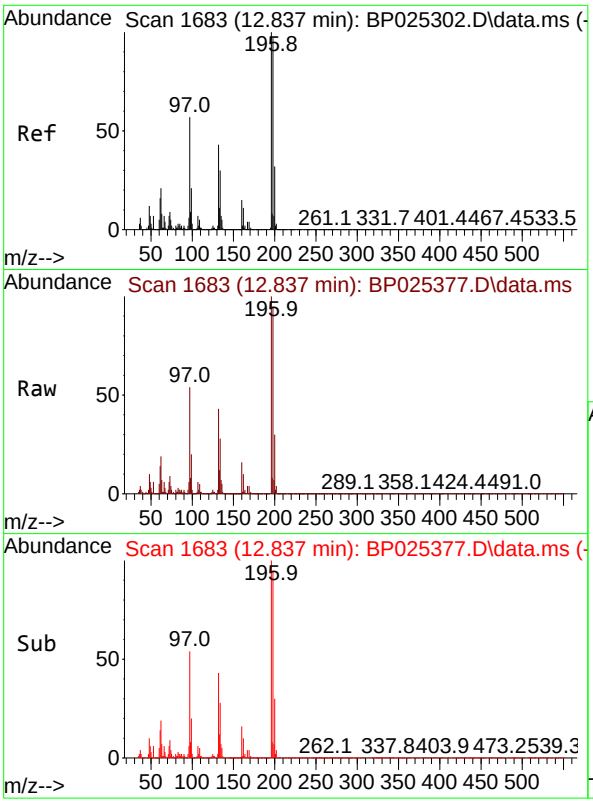


#42
2,4,6-Tribromophenol
Concen: 106.478 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:330 Resp: 442787

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	33.7	31.7	47.5

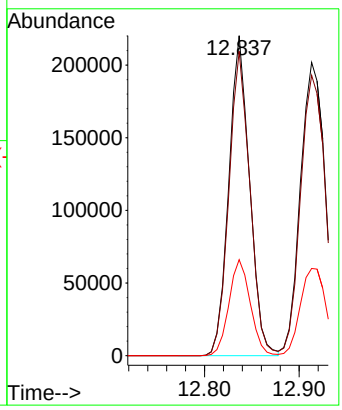




#43
2,4,6-Trichlorophenol
Concen: 45.667 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:196 Resp: 33572

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.3	115.9
200	30.0	25.4	38.2



Instrument :
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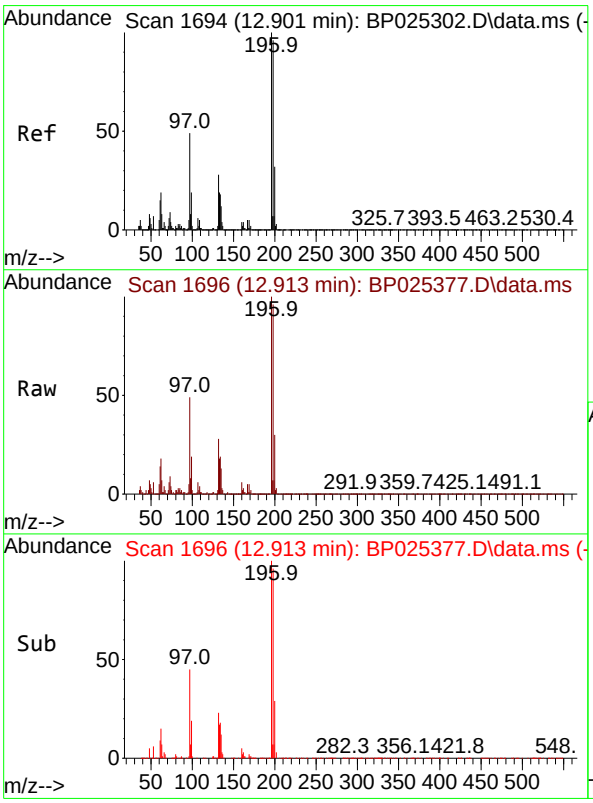
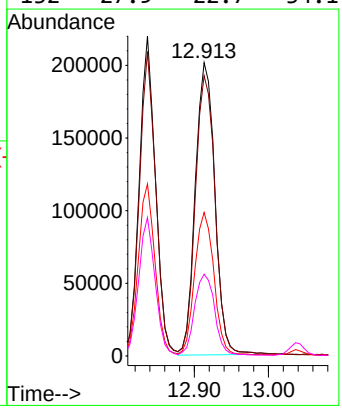
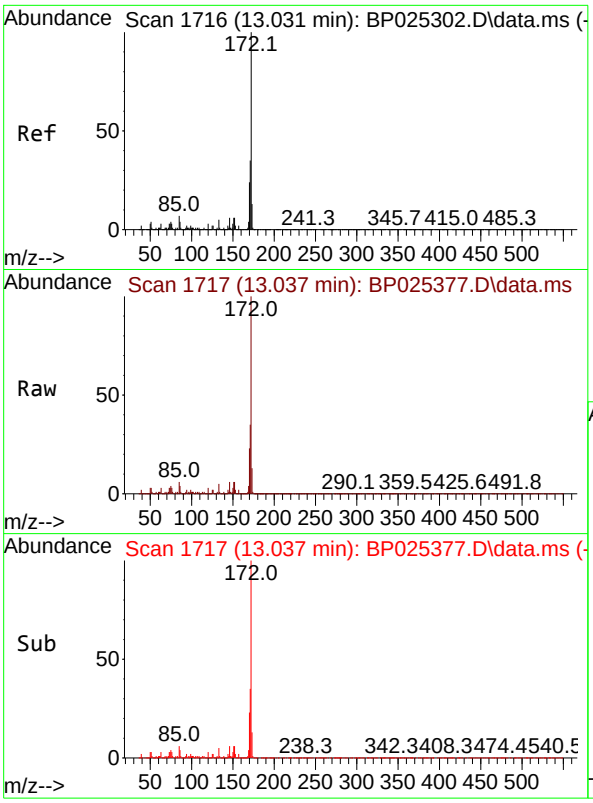


#44
2,4,5-Trichlorophenol
Concen: 44.979 ng
RT: 12.913 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:196 Resp: 370942

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	114.8
97	48.9	39.5	59.3
132	27.9	22.7	34.1

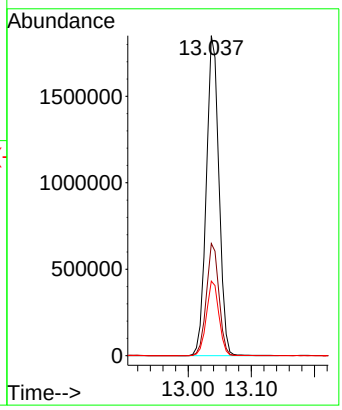




#45
2-Fluorobiphenyl
Concen: 85.341 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:172 Resp: 257553

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.3	18.9	28.3



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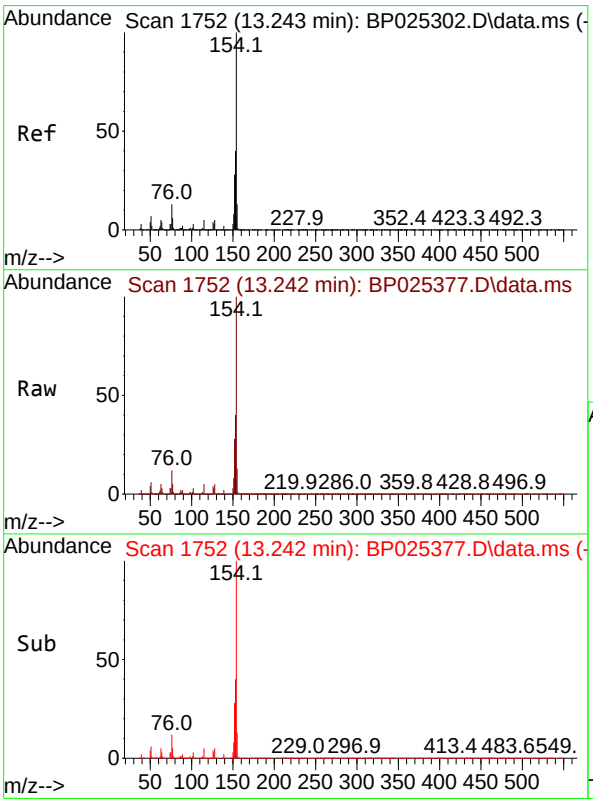
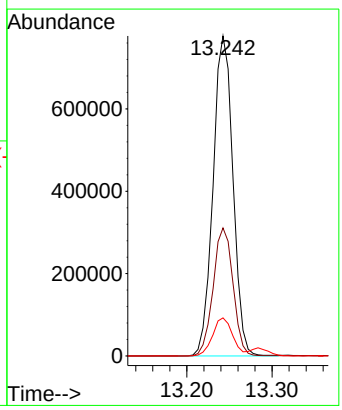
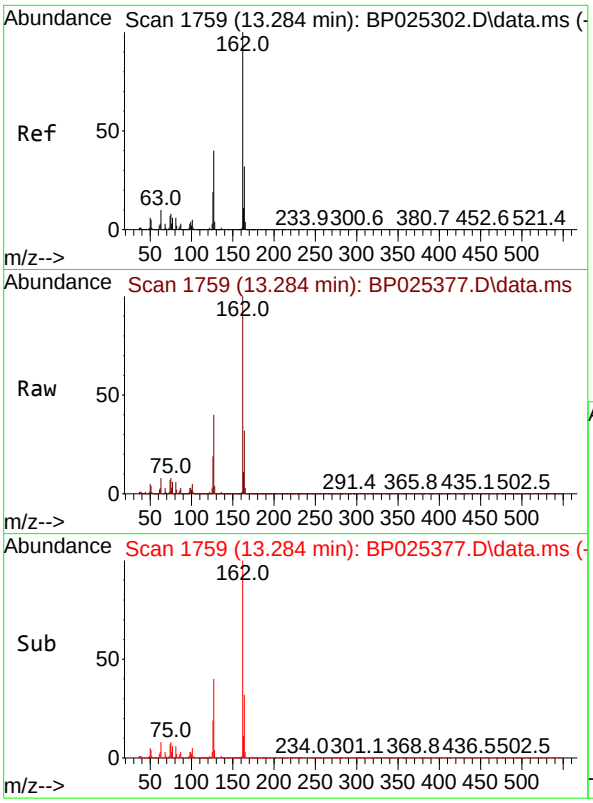


#46
1,1'-Biphenyl
Concen: 41.092 ng
RT: 13.242 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:154 Resp: 1262313

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.9	59.9
76	11.9	0.0	33.2

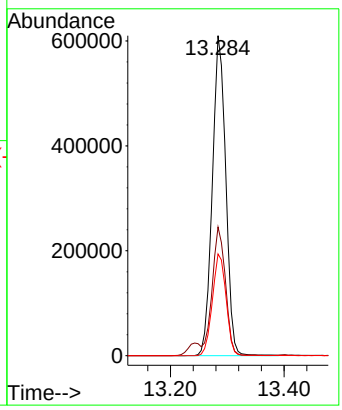




#47
2-Chloronaphthalene
Concen: 42.622 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:162 Resp: 99889

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	31.8	25.9	38.9



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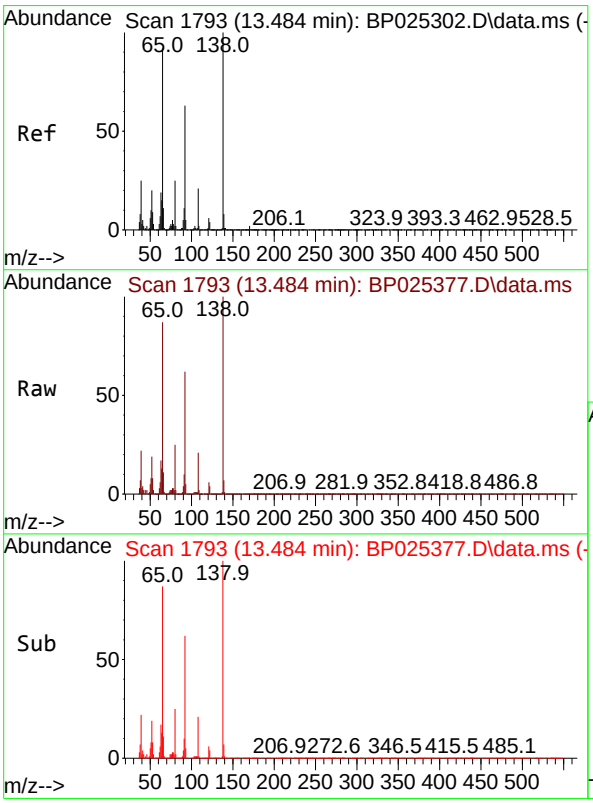
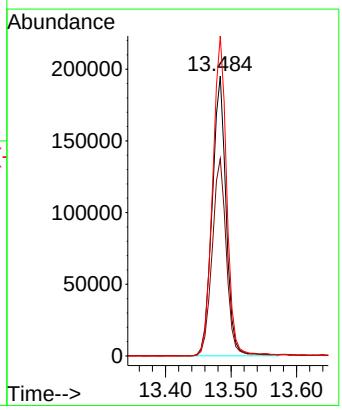
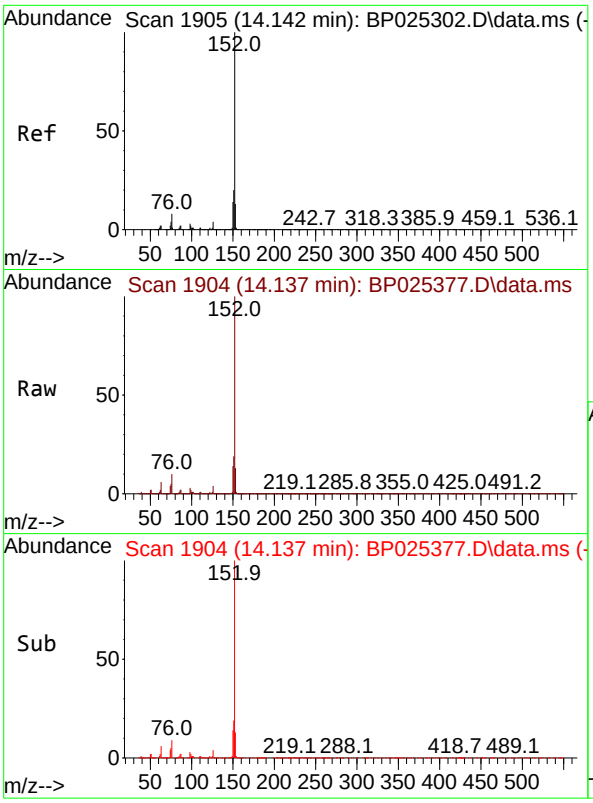


#48
2-Nitroaniline
Concen: 42.432 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 65 Resp: 288791

Ion	Ratio	Lower	Upper
65	100		
92	70.5	54.4	81.6
138	114.4	87.0	130.4

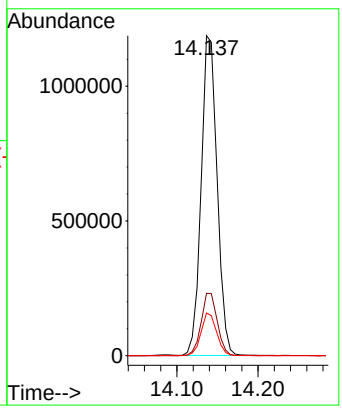




#49
Acenaphthylene
Concen: 41.408 ng
RT: 14.137 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:152 Resp: 161876

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.3	10.4	15.6



Instrument :
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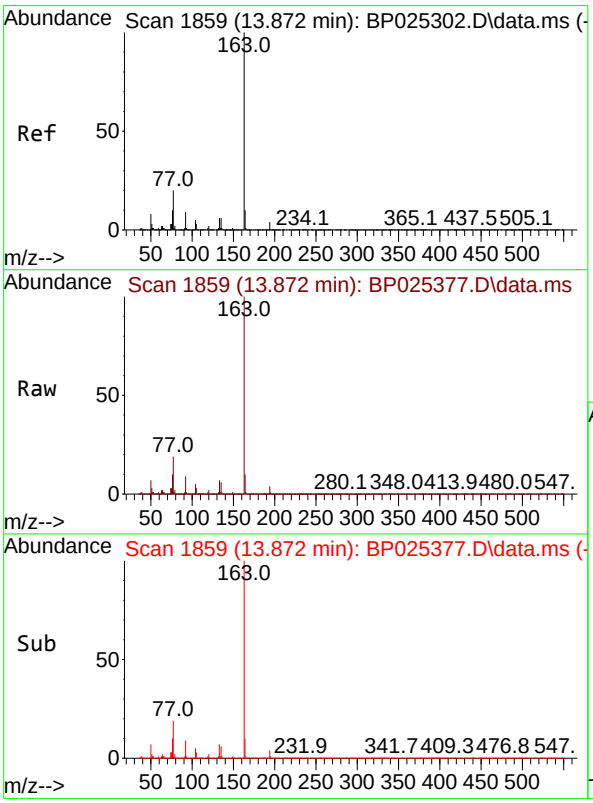
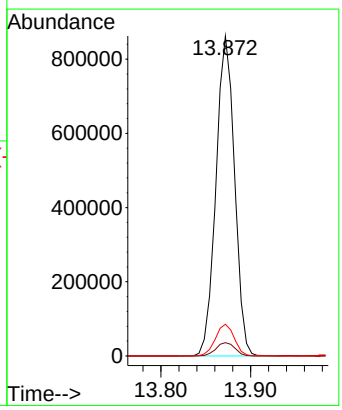
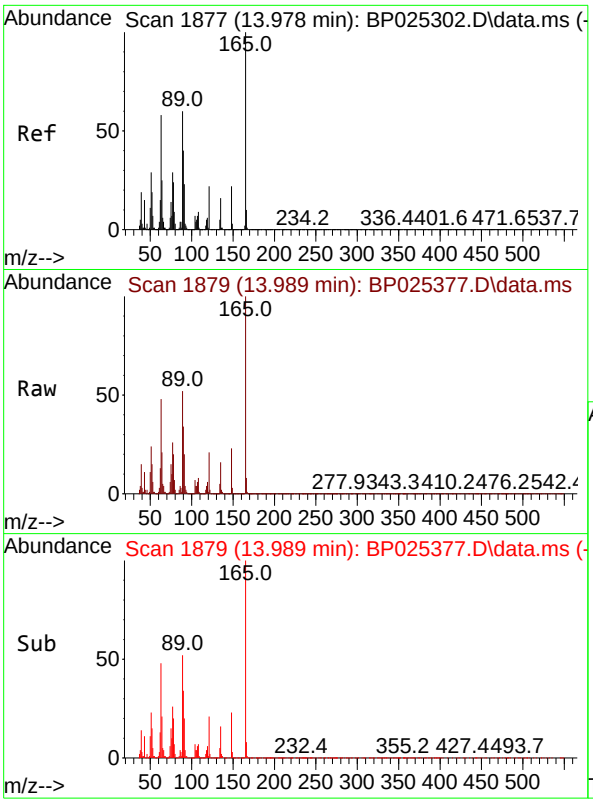


#50
Dimethylphthalate
Concen: 40.865 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:163 Resp: 1241763

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 48.334 ng
RT: 13.989 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:165 Resp: 27091

Ion	Ratio	Lower	Upper
165	100		
63	48.1	47.6	71.4
89	52.4	47.8	71.8

Instrument :
BNA_P
ClientSampleId :
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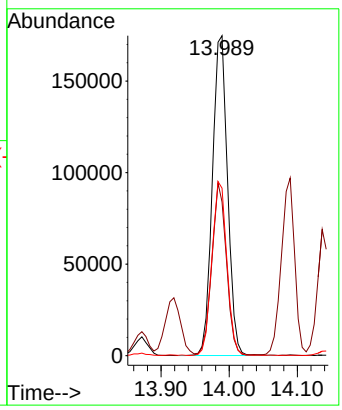
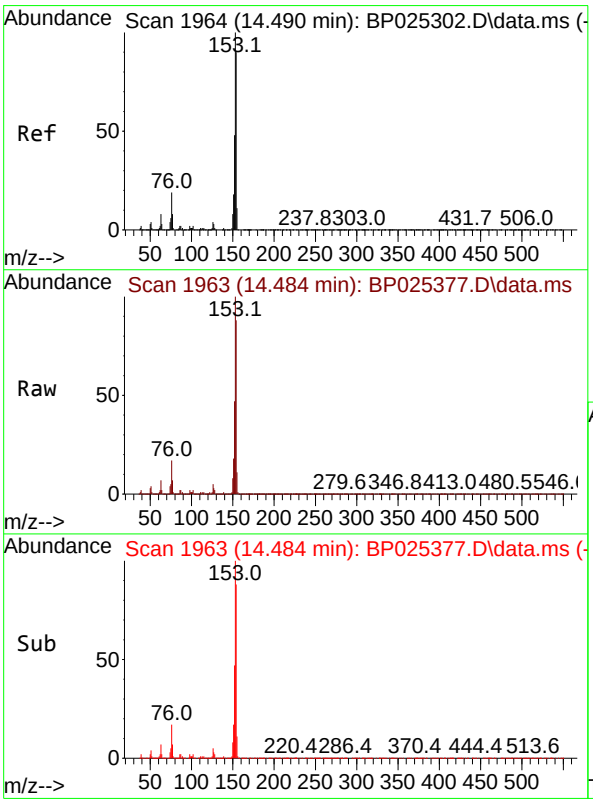
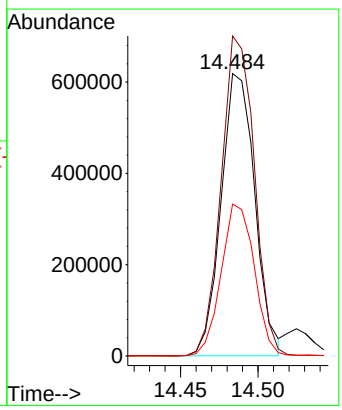


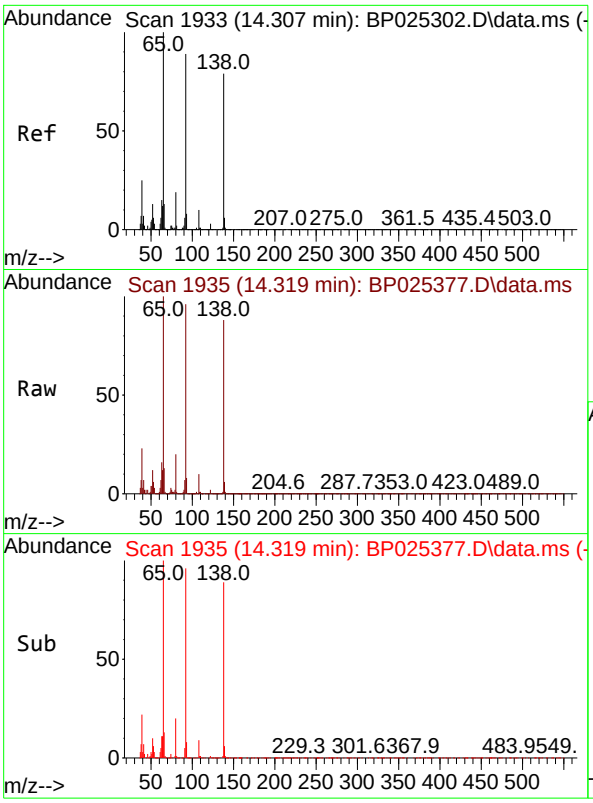


#52
Acenaphthene
Concen: 39.201 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:154 Resp: 934768

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.4	134.0
152	53.7	43.0	64.6

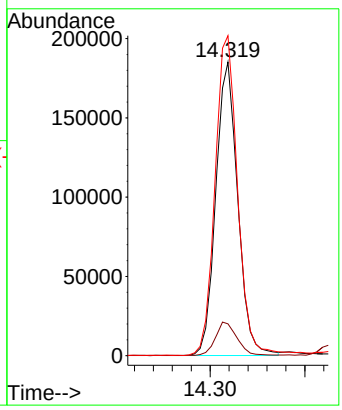




#53
3-Nitroaniline
Concen: 45.480 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:138 Resp: 29828

Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.5	15.7
92	109.0	90.9	136.3



Instrument :
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ClientSampleId :
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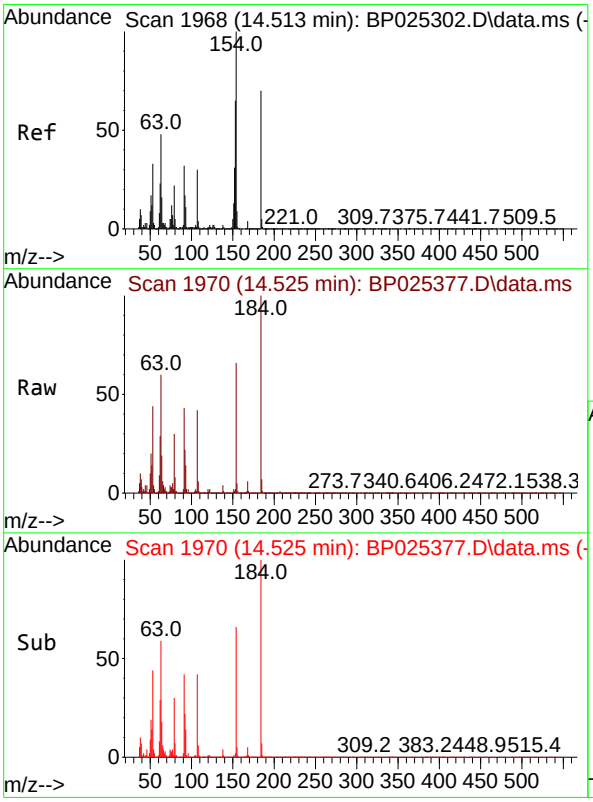
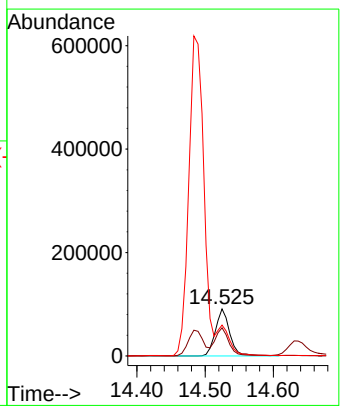
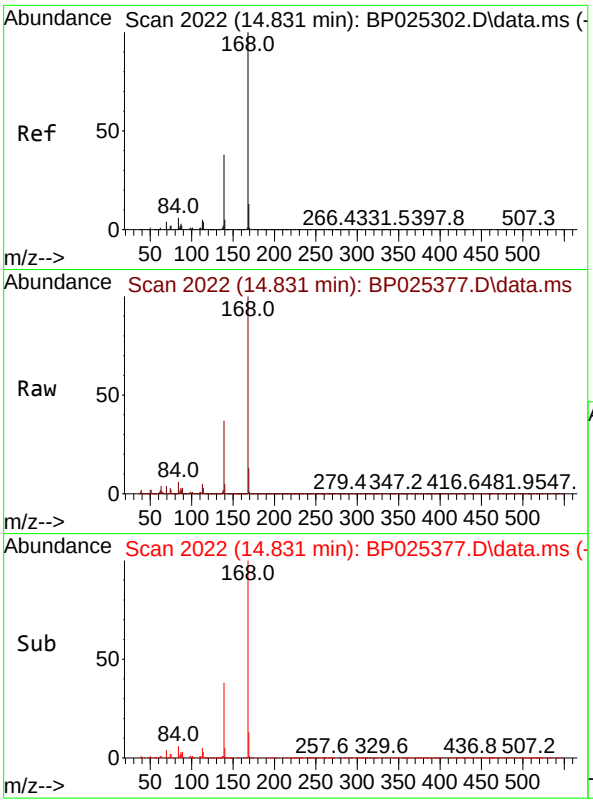


#54
2,4-Dinitrophenol
Concen: 53.765 ng
RT: 14.525 min Scan# 1970
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:184 Resp: 133103

Ion	Ratio	Lower	Upper
184	100		
63	59.9	56.3	84.5
154	65.8	124.5	186.7#

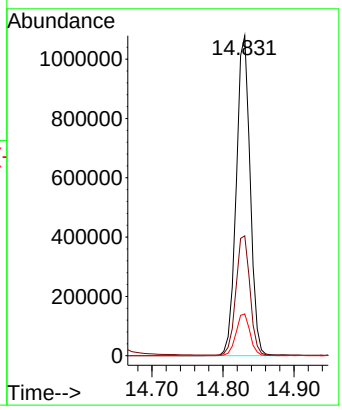




#55
Dibenzofuran
Concen: 41.132 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:168 Resp: 146568

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.5	45.7
169	13.1	10.6	15.8



Instrument :
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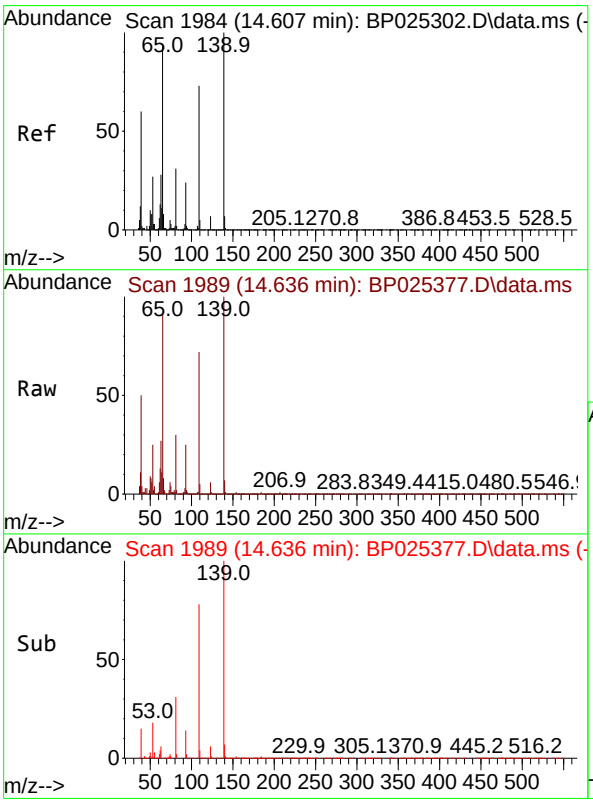
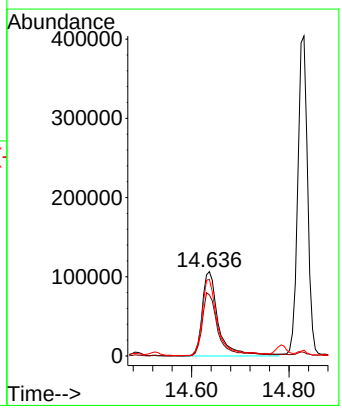
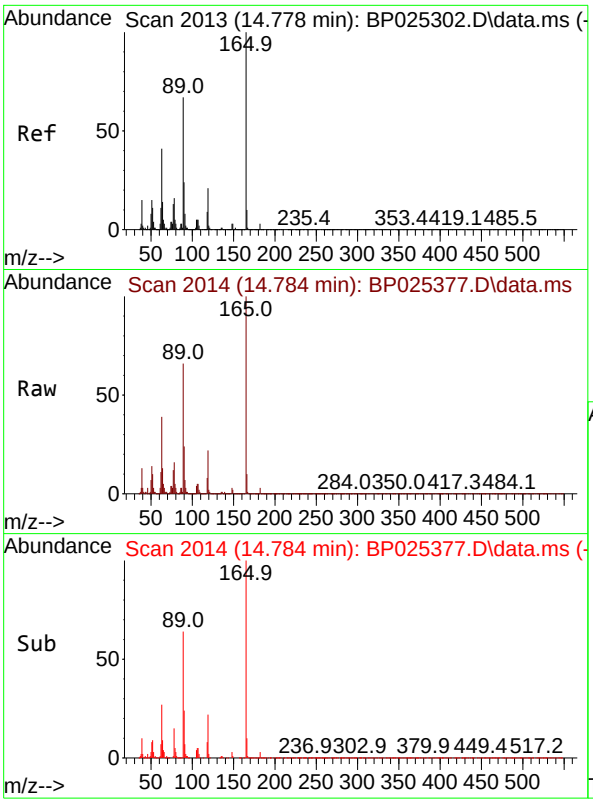


#56
4-Nitrophenol
Concen: 42.183 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:139 Resp: 244171

Ion	Ratio	Lower	Upper
139	100		
109	72.4	52.7	92.7
65	90.7	73.4	113.4

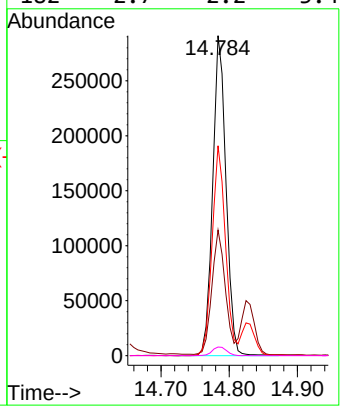




#57
2,4-Dinitrotoluene
Concen: 45.658 ng
RT: 14.784 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:165 Resp: 39523

Ion	Ratio	Lower	Upper
165	100		
63	39.3	33.2	49.8
89	65.6	53.5	80.3
182	2.7	2.2	3.4



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ClientSampleId :
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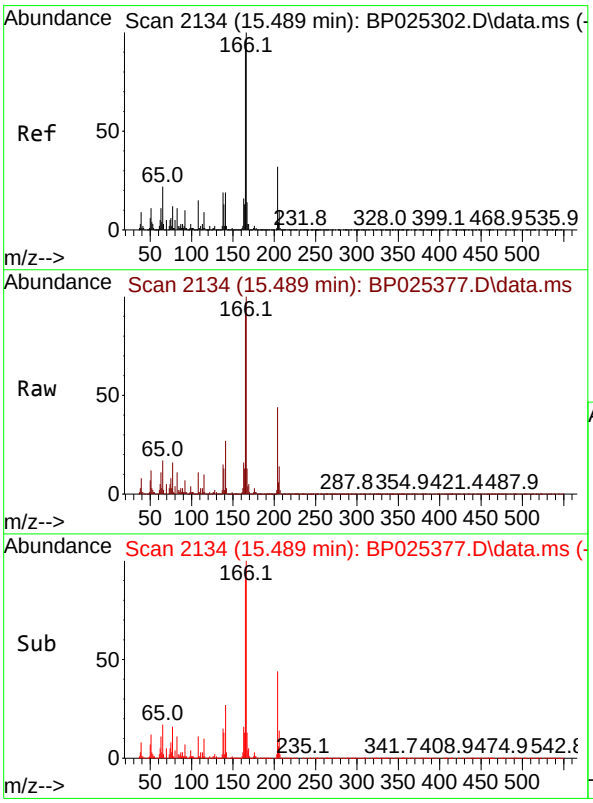
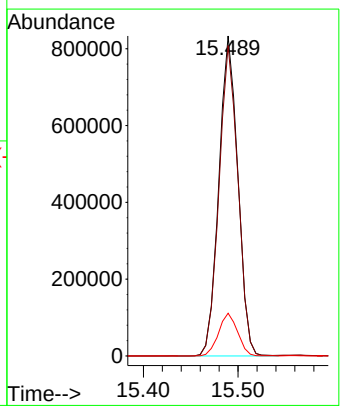
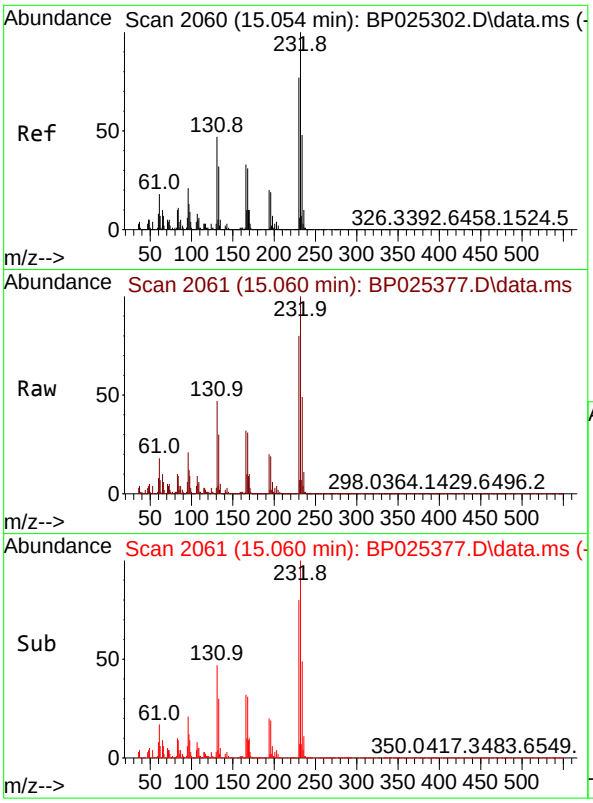


#58
Fluorene
Concen: 41.489 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:166 Resp: 1161174

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.7	115.1
167	13.4	10.9	16.3

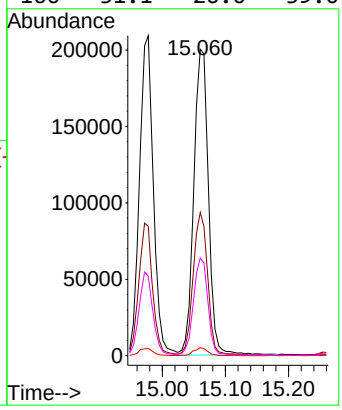




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.722 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:232 Resp: 32186

Ion	Ratio	Lower	Upper
232	100		
131	46.0	39.3	58.9
130	2.4	2.2	3.2
166	31.1	26.0	39.0



Instrument :
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ClientSampleId :
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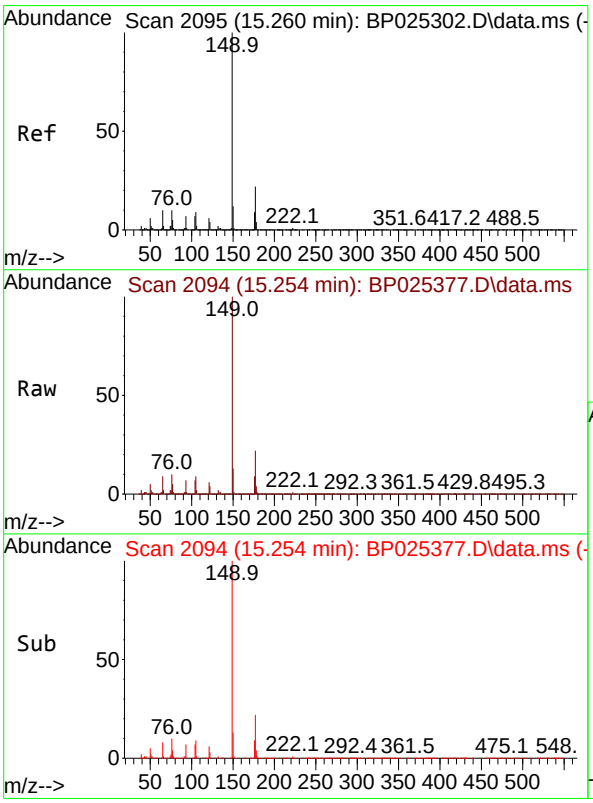
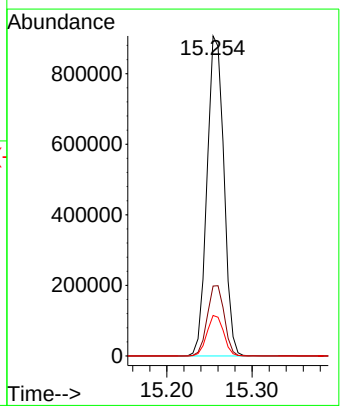
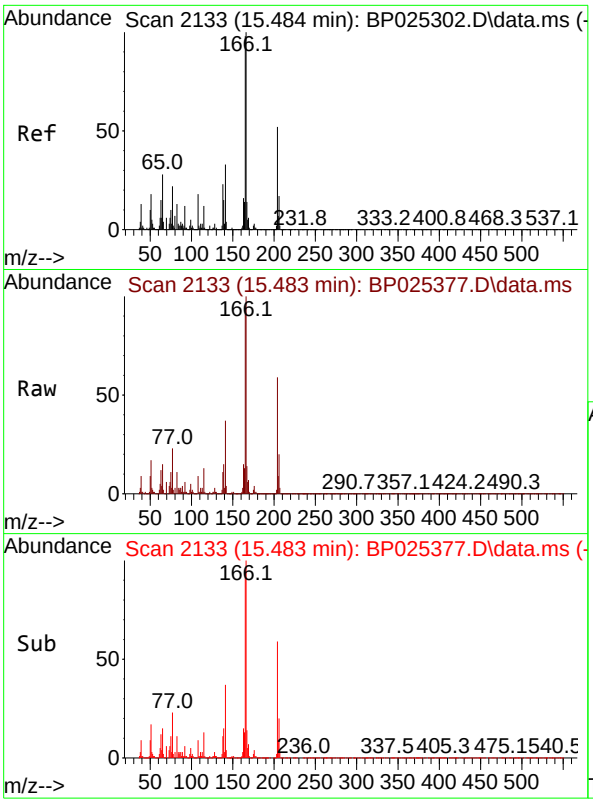


#60
Diethylphthalate
Concen: 40.555 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1242433

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.7	9.8	14.8

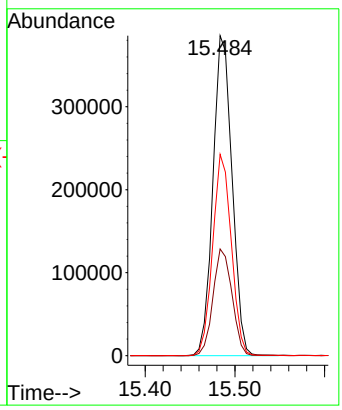




#61
4-Chlorophenyl-phenylether
Concen: 43.008 ng
RT: 15.483 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:204 Resp: 57064

Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.0	40.4
141	62.9	50.3	75.5



Instrument :
BNA_P
ClientSampleId :
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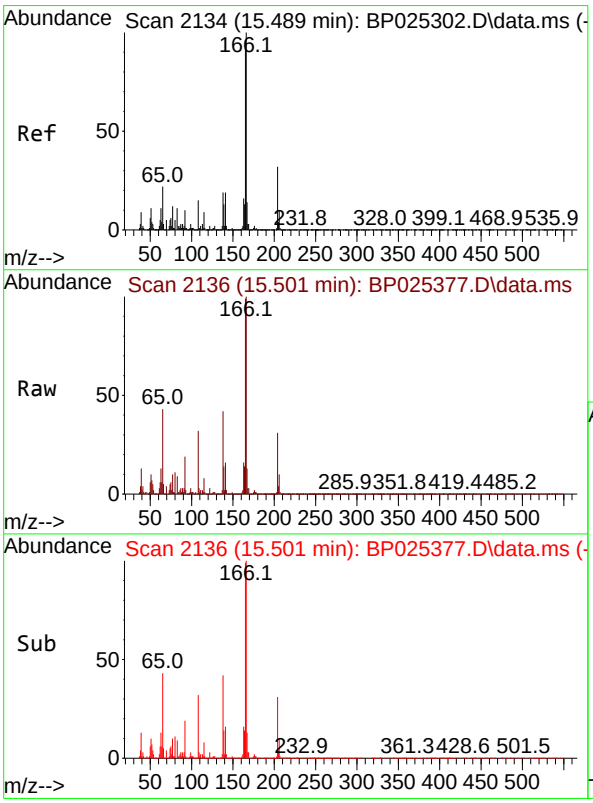
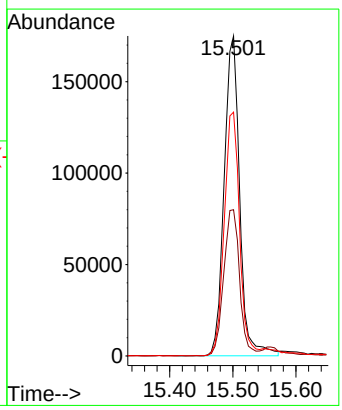
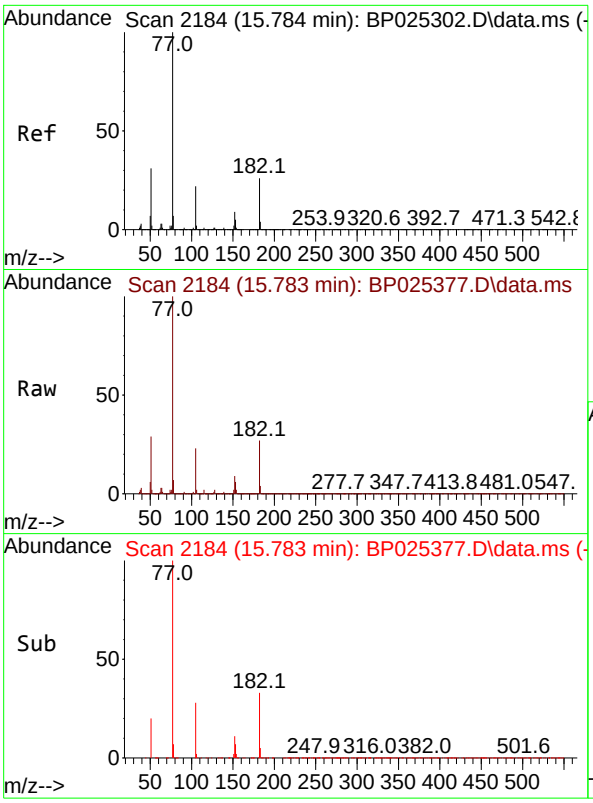


#62
4-Nitroaniline
Concen: 45.895 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:138 Resp: 298255

Ion	Ratio	Lower	Upper
138	100		
92	45.7	29.8	69.8
108	76.2	56.6	96.6

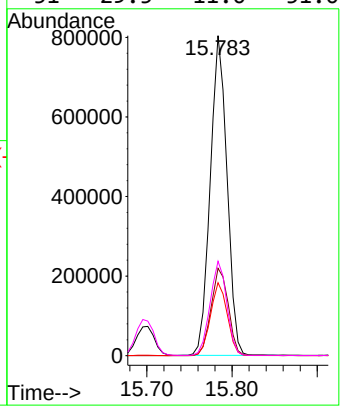




#63
Azobenzene
Concen: 38.553 ng
RT: 15.783 min Scan# 2
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 77 Resp: 109722

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.0	46.0
105	22.8	2.1	42.1
51	29.5	11.0	51.0



Instrument :
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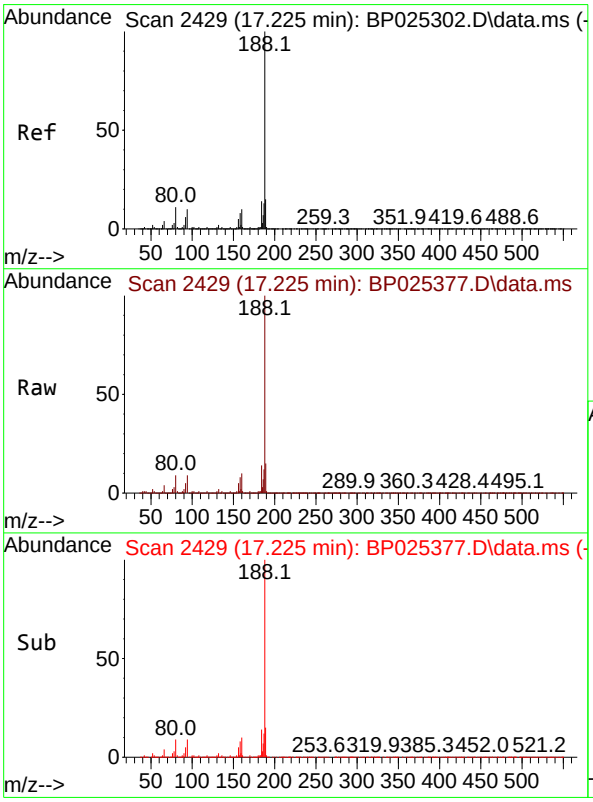
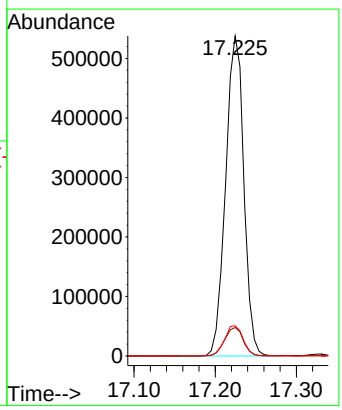
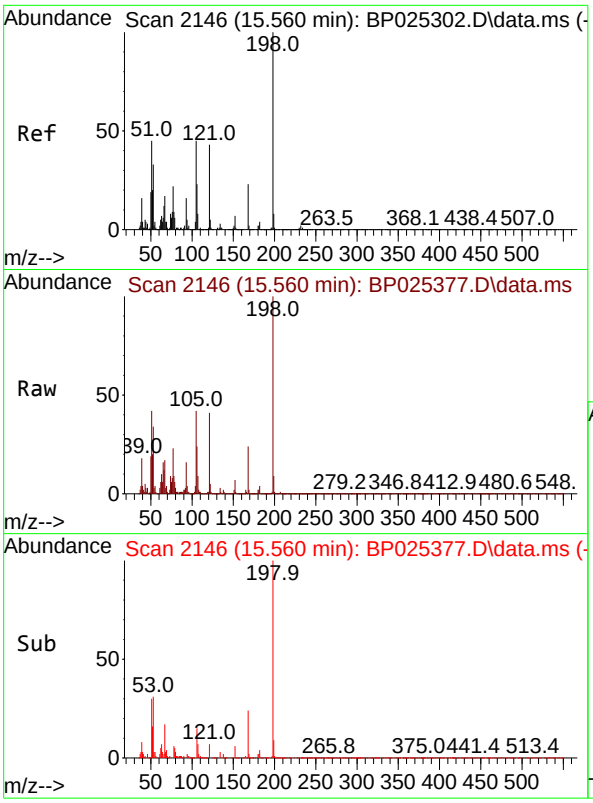


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:188 Resp: 836446

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.4	8.5	12.7

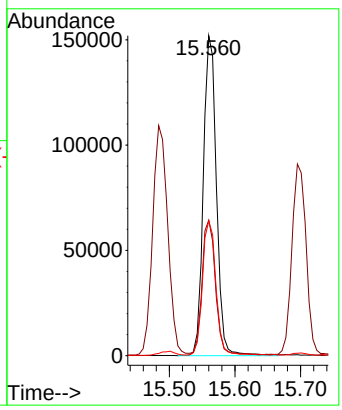




#65
4,6-Dinitro-2-methylphenol
Concen: 54.377 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:198 Resp: 21161

Ion	Ratio	Lower	Upper
198	100		
51	42.4	26.7	66.7
105	42.1	25.6	65.6



Instrument :
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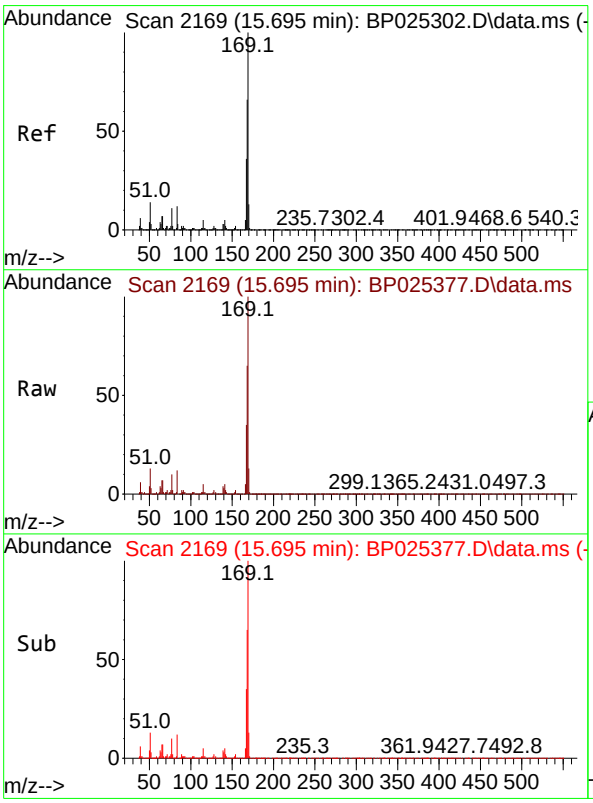
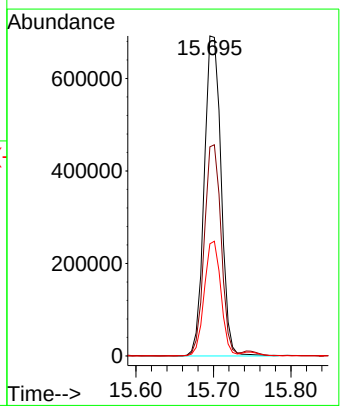
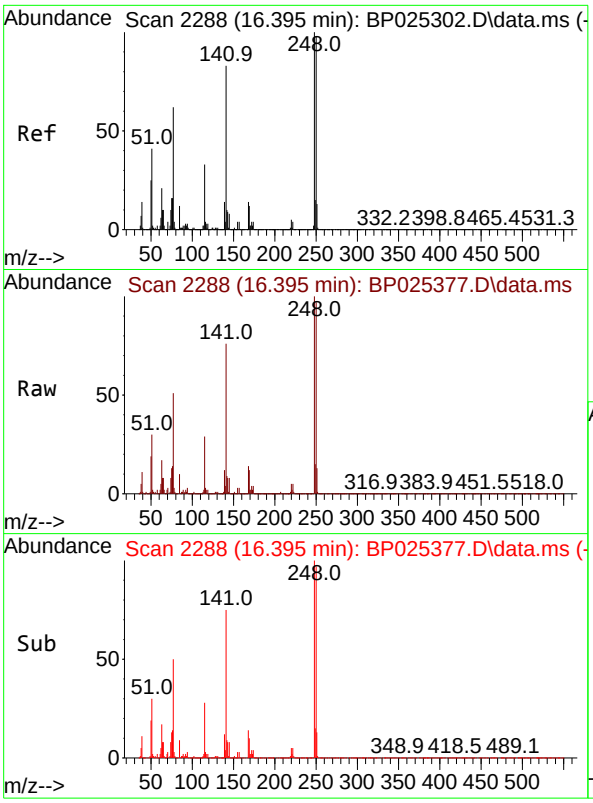


#66
n-Nitrosodiphenylamine
Concen: 40.950 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:169 Resp: 1042925

Ion	Ratio	Lower	Upper
169	100		
168	65.3	52.8	79.2
167	35.1	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 43.673 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:248 Resp: 36755

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.6	117.8
141	75.7	66.6	99.8

Instrument :
BNA_P
ClientSampleId :
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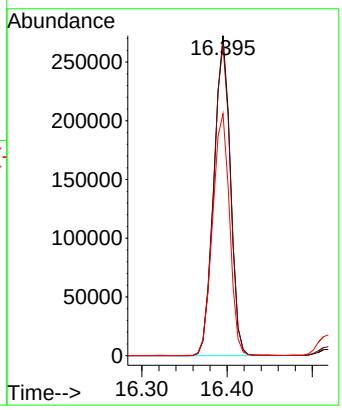
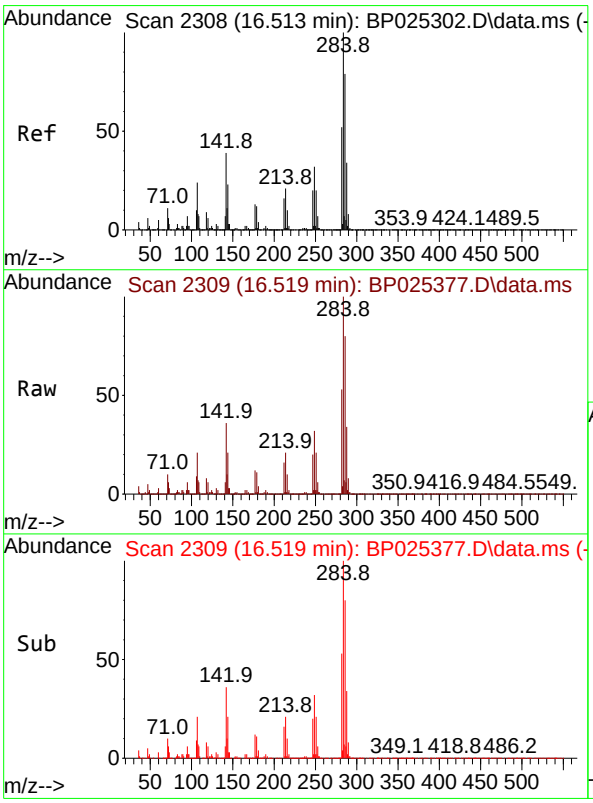
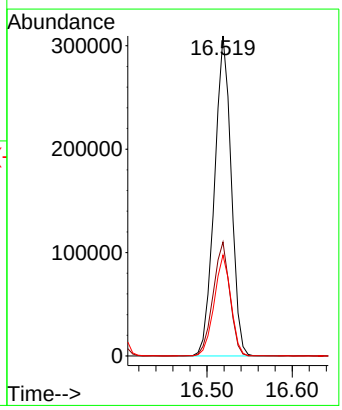


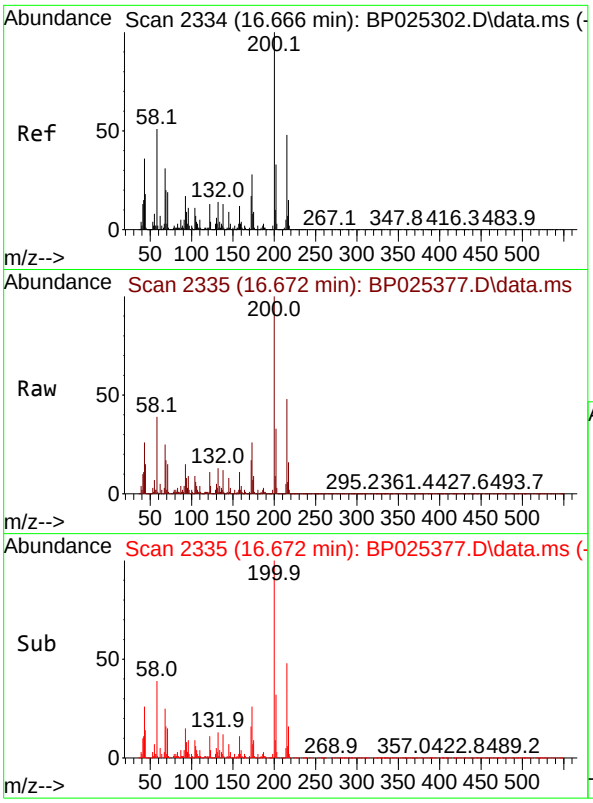


#68
Hexachlorobenzene
Concen: 44.825 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:284 Resp: 423300

Ion	Ratio	Lower	Upper
284	100		
142	35.6	30.8	46.2
249	31.6	25.4	38.0

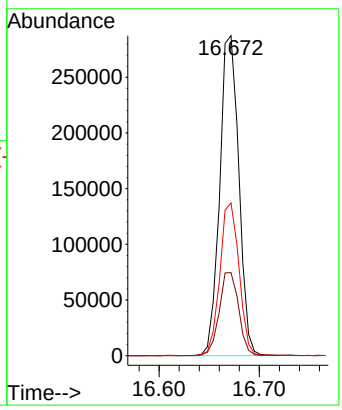




#69
Atrazine
Concen: 42.405 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:200 Resp: 37980

Ion	Ratio	Lower	Upper
200	100		
173	26.0	8.2	48.2
215	47.8	28.1	68.1



Instrument :
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ClientSampleId :
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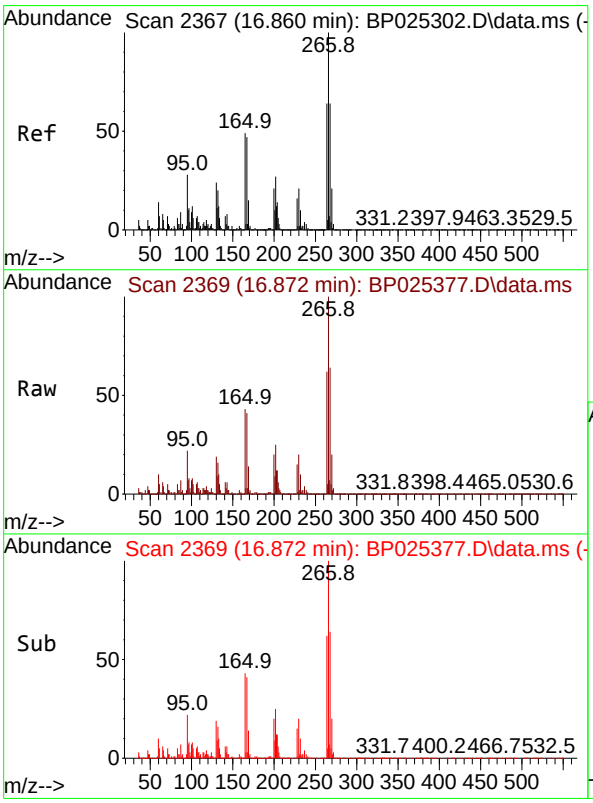
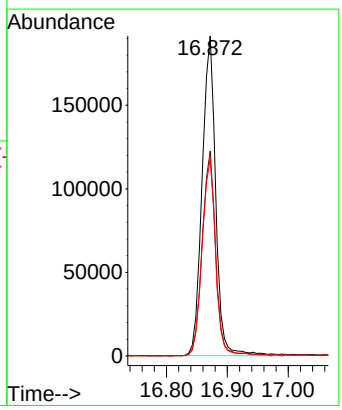
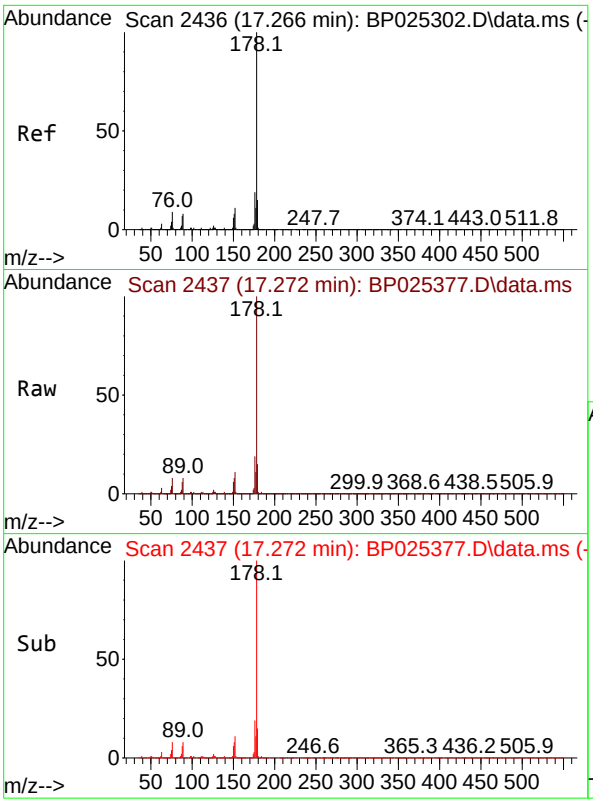


#70
Pentachlorophenol
Concen: 49.549 ng
RT: 16.872 min Scan# 2369
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:266 Resp: 298109

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.0
264	61.6	51.1	76.7





#71
Phenanthrene
Concen: 41.178 ng
RT: 17.272 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:178 Resp: 188651

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.3	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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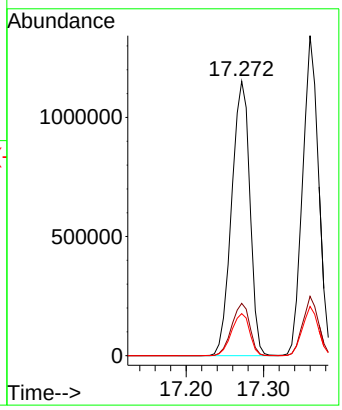
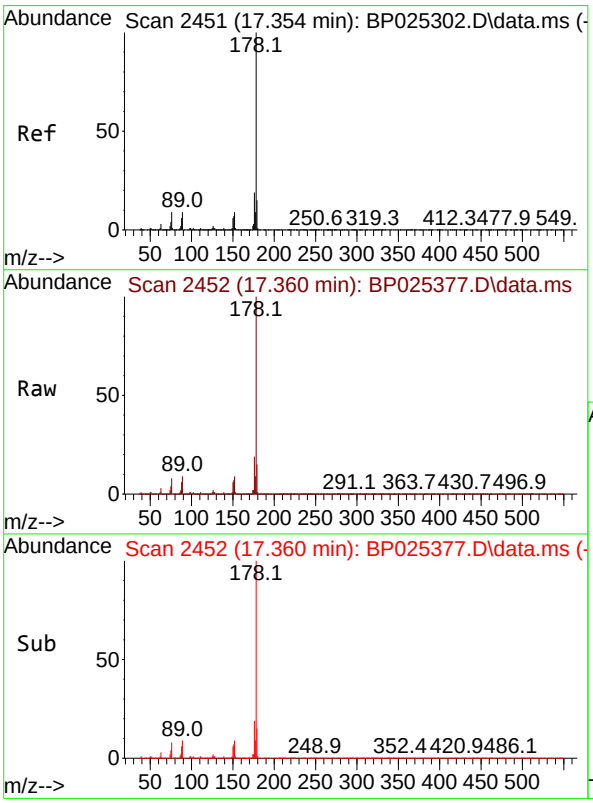
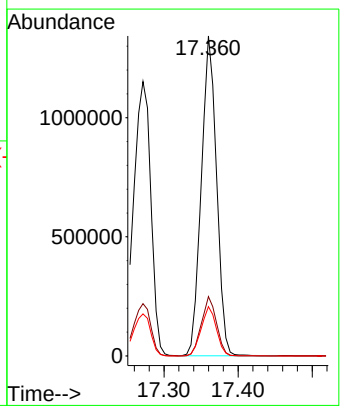


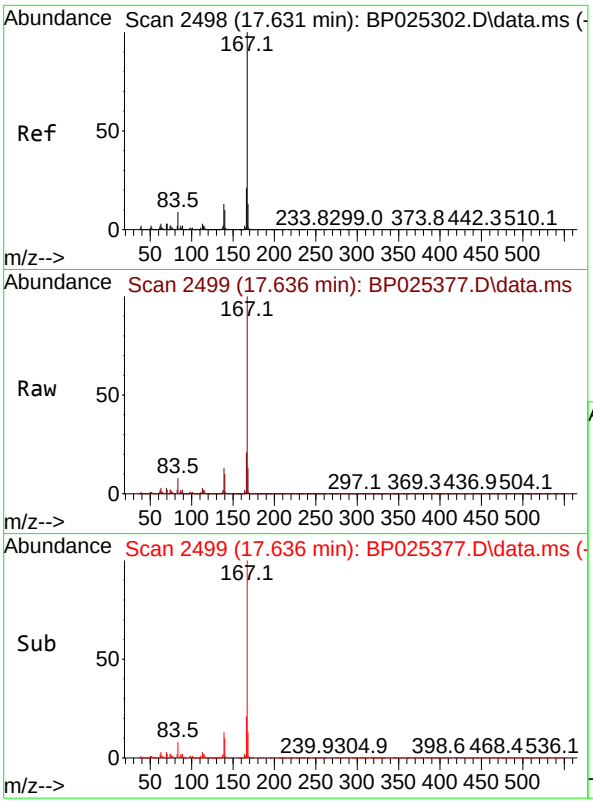


#72
Anthracene
Concen: 41.693 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:178 Resp: 1925956

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.3	18.5

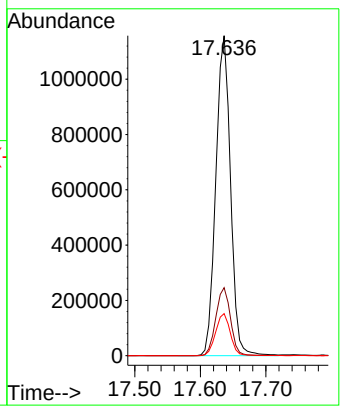




#73
Carbazole
Concen: 40.403 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:167 Resp: 179153

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.2	10.6	16.0



Instrument :
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ClientSampleId :
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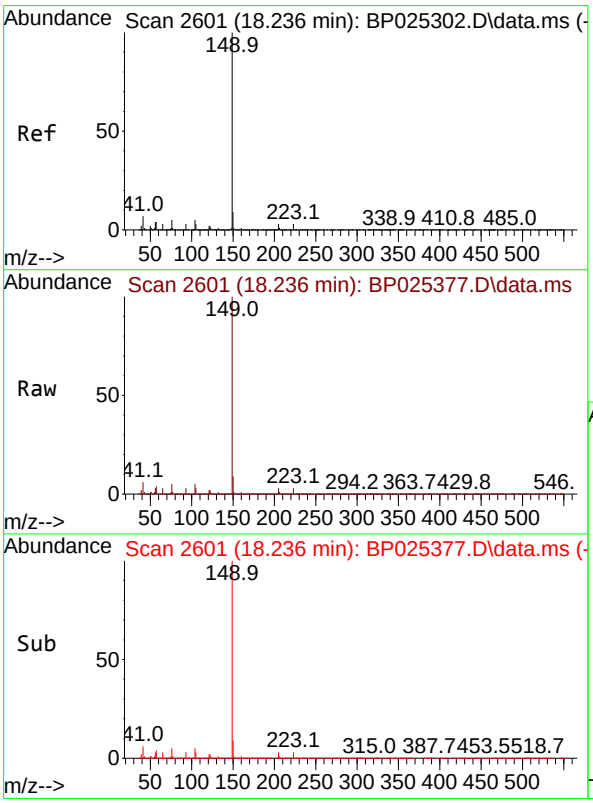
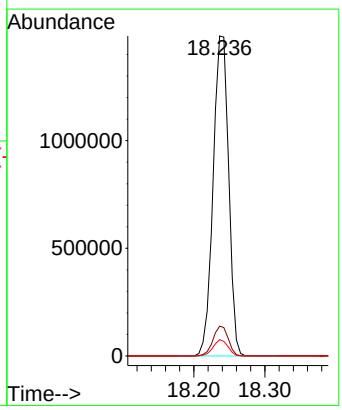
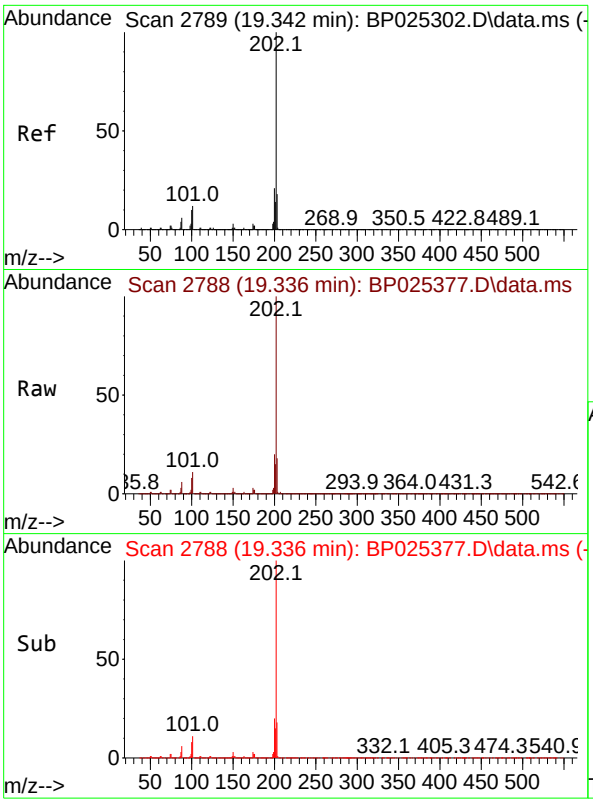


#74
Di-n-butylphthalate
Concen: 41.912 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 2248337

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 41.272 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:202 Resp: 218883

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.5
203	17.5	0.0	37.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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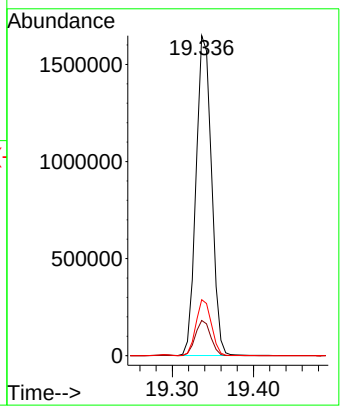
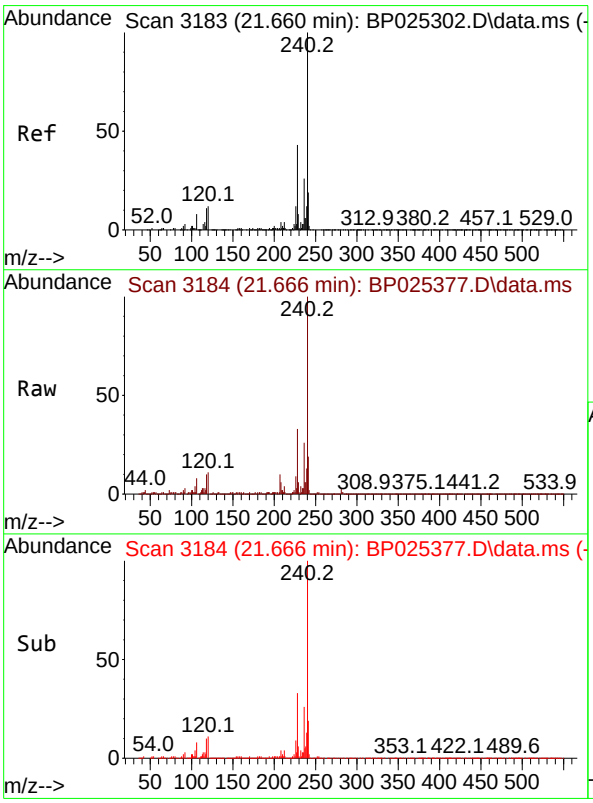
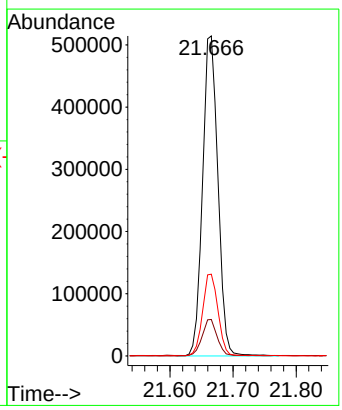


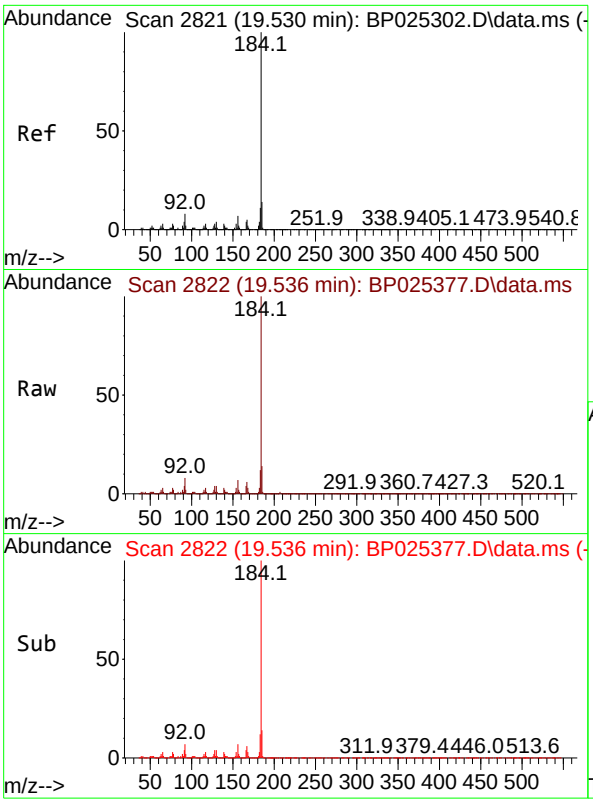


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:240 Resp: 867026

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	25.6	20.4	30.6

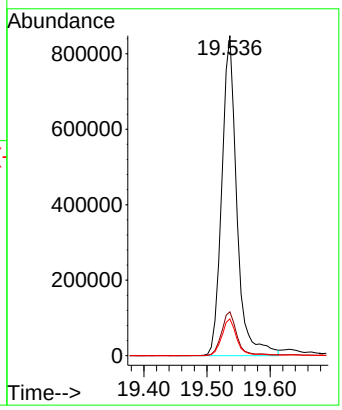




#77
Benzidine
Concen: 44.665 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:184 Resp: 140165

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.0	16.6
183	11.5	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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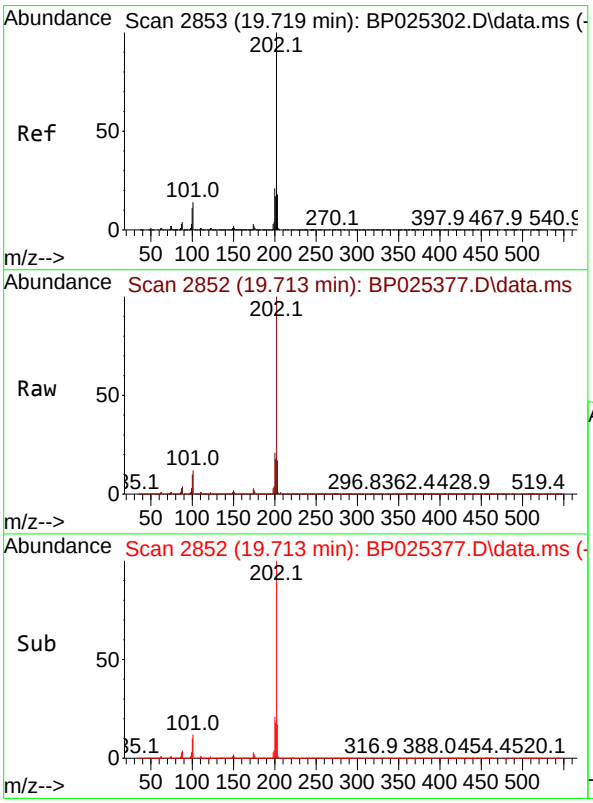
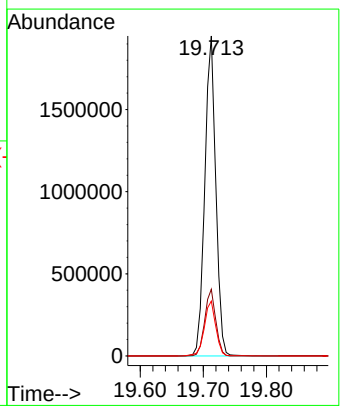
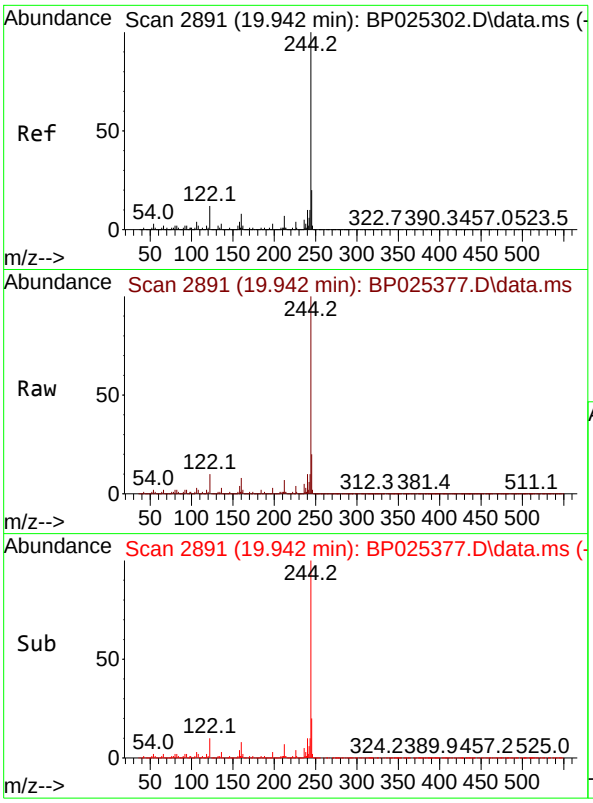


#78
Pyrene
Concen: 40.885 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:202 Resp: 2357222

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.2	14.1	21.1

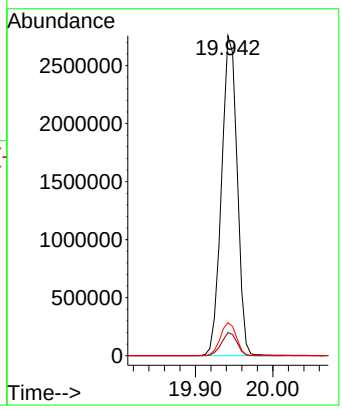




#79
Terphenyl-d14
Concen: 84.541 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:244 Resp: 388076

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.3	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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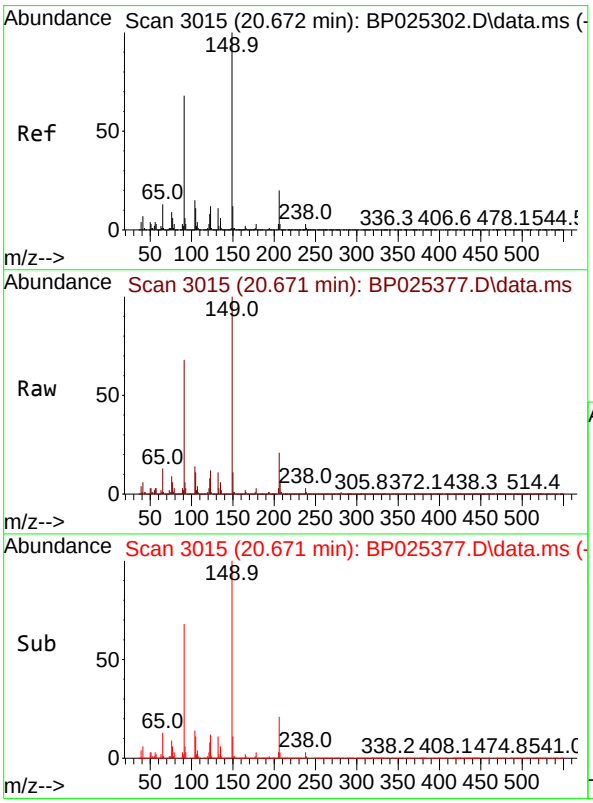
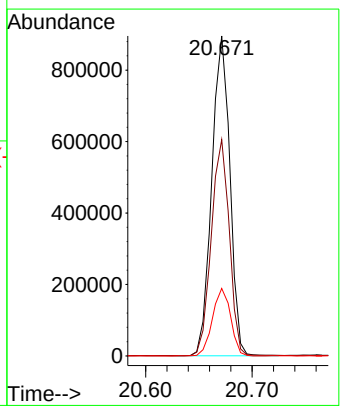
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

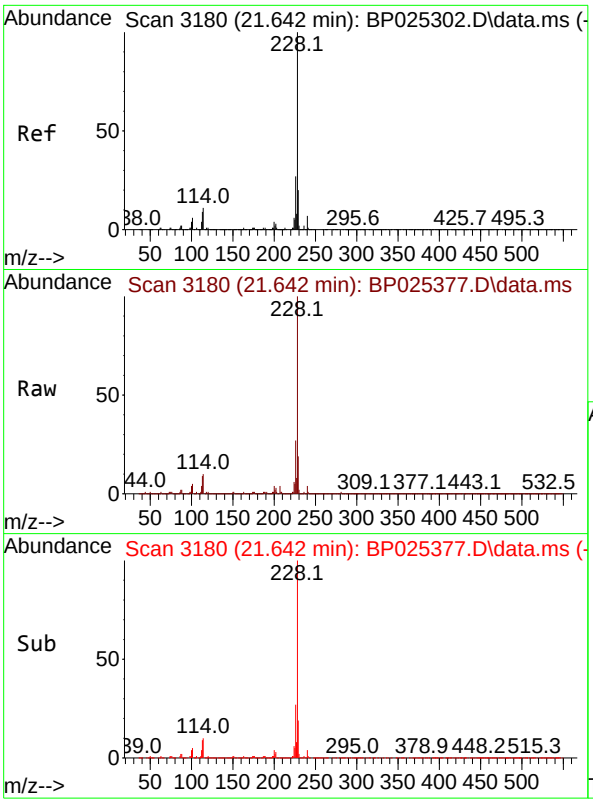


#80
Butylbenzylphthalate
Concen: 45.038 ng
RT: 20.671 min Scan# 3015
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1053125

Ion	Ratio	Lower	Upper
149	100		
91	67.6	54.7	82.1
206	21.1	16.4	24.6

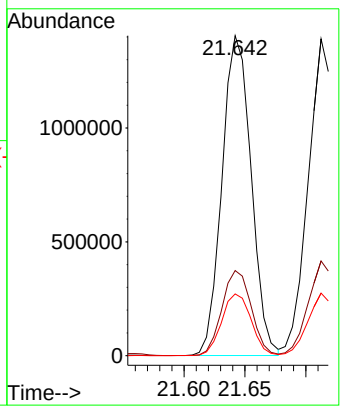




#81
Benzo(a)anthracene
Concen: 40.547 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:228 Resp: 233618

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.3	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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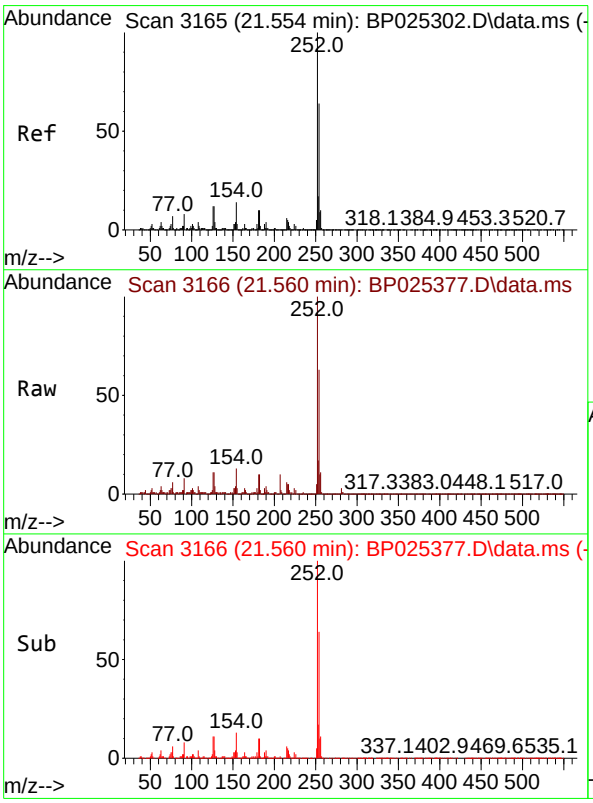
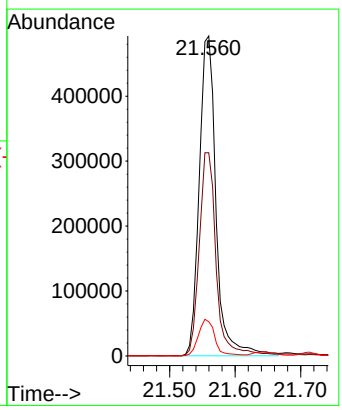
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

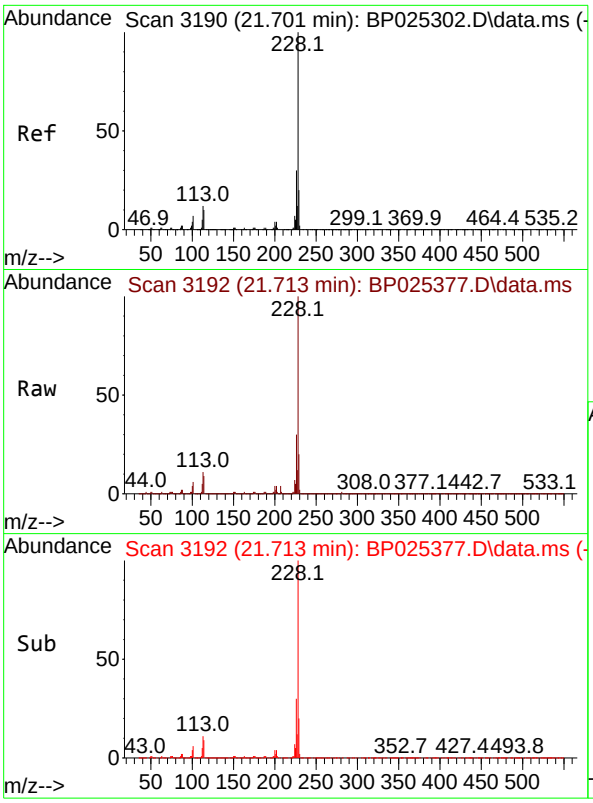


#82
3,3'-Dichlorobenzidine
Concen: 43.364 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 881515

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.0	76.6
126	10.7	9.4	14.2

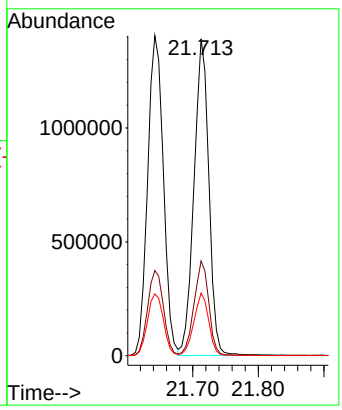




#83
Chrysene
Concen: 41.095 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:228 Resp: 219608

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 08/14/2025
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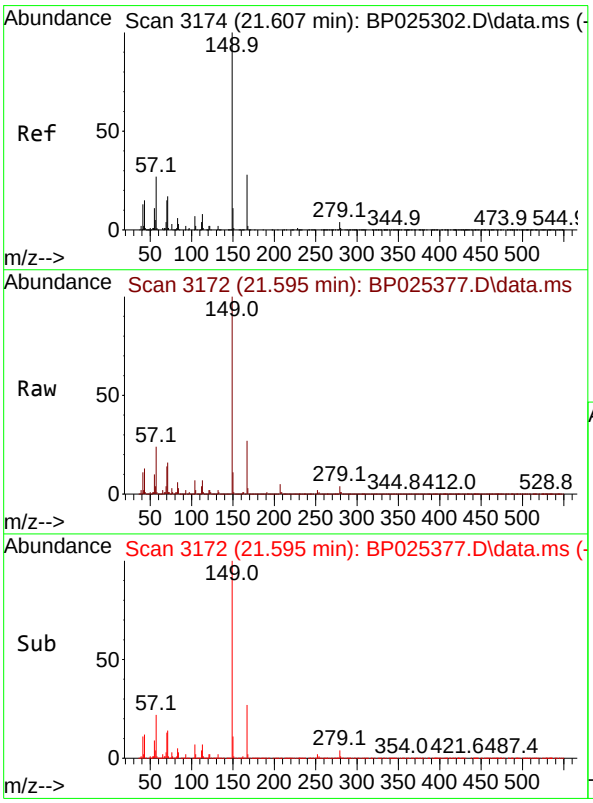
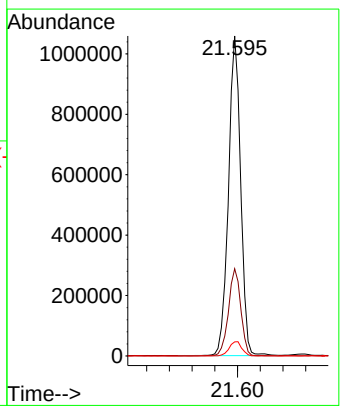
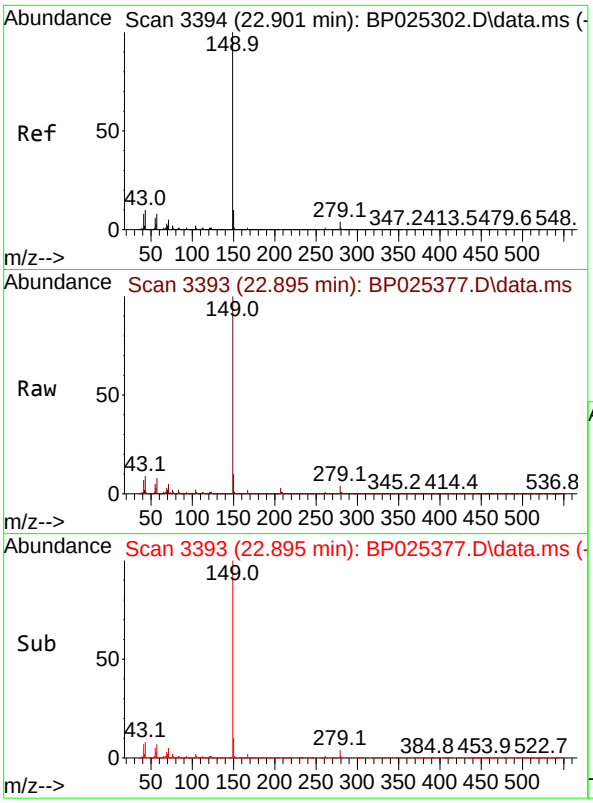


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.221 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1576424

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.4	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 44.443 ng
RT: 22.895 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 277752

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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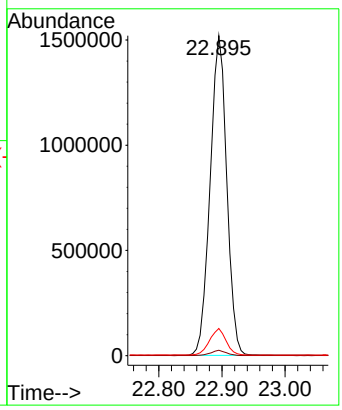
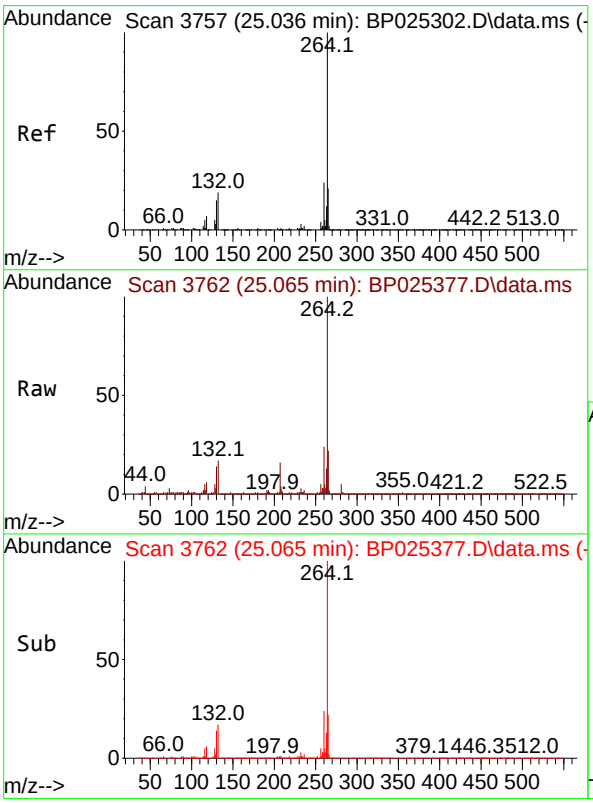
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

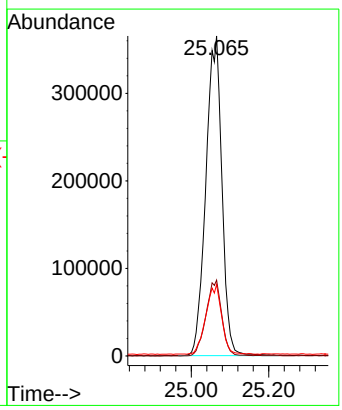


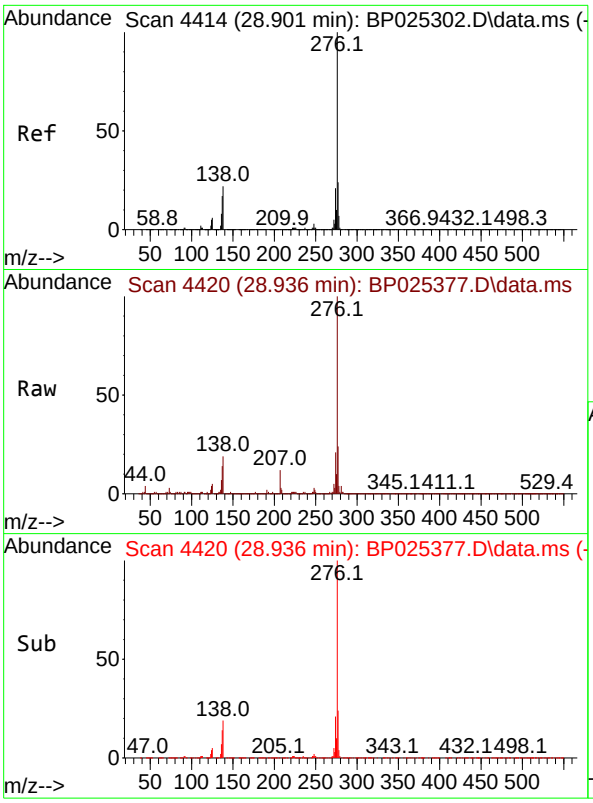


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 3762
Delta R.T. 0.029 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:264 Resp: 1047429

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.1	25.7

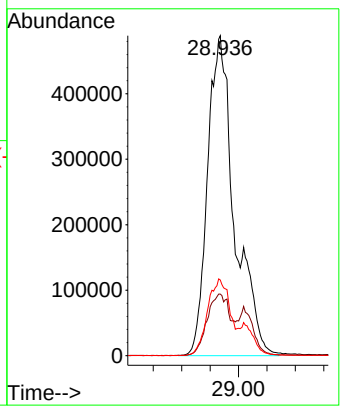




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.813 ng m
RT: 28.936 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:276 Resp: 321417

Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.6	22.0
277	19.9	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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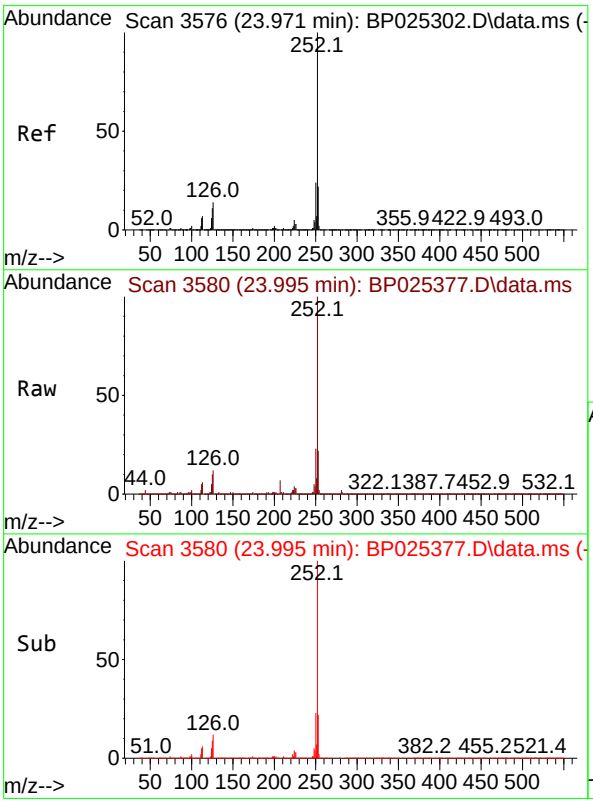
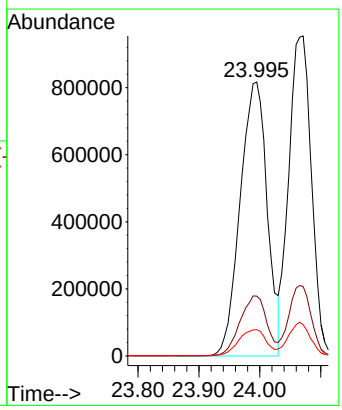
Supervised By :Jagrut Upadhyay 08/14/2025

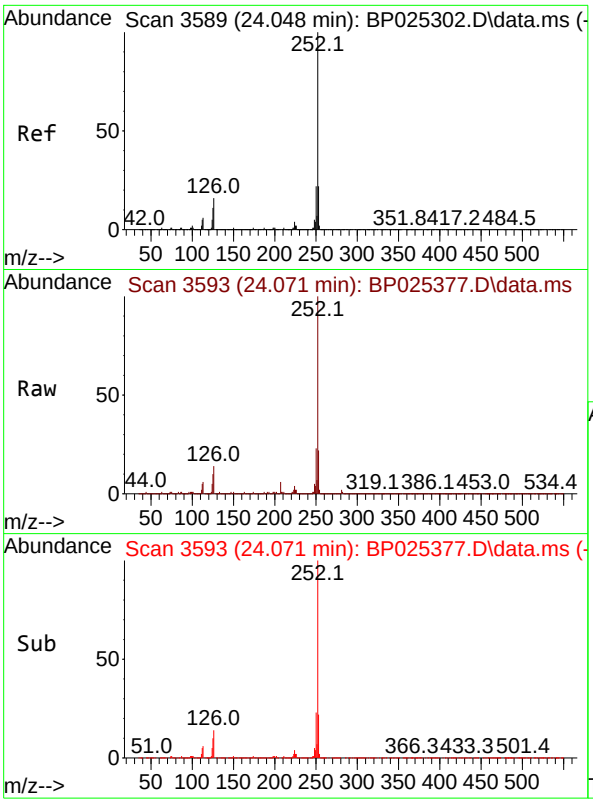


#88
Benzo(b)fluoranthene
Concen: 40.203 ng
RT: 23.995 min Scan# 3580
Delta R.T. 0.024 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 2520756

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.6	8.5	12.7





#89
Benzo(k)fluoranthene
Concen: 39.607 ng
RT: 24.071 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 246187

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.7	8.5	12.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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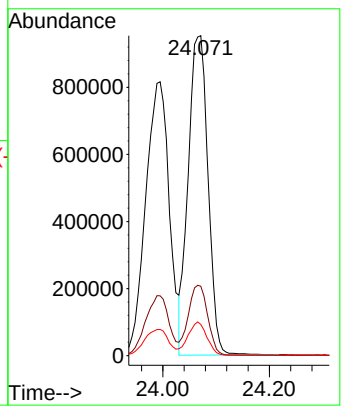
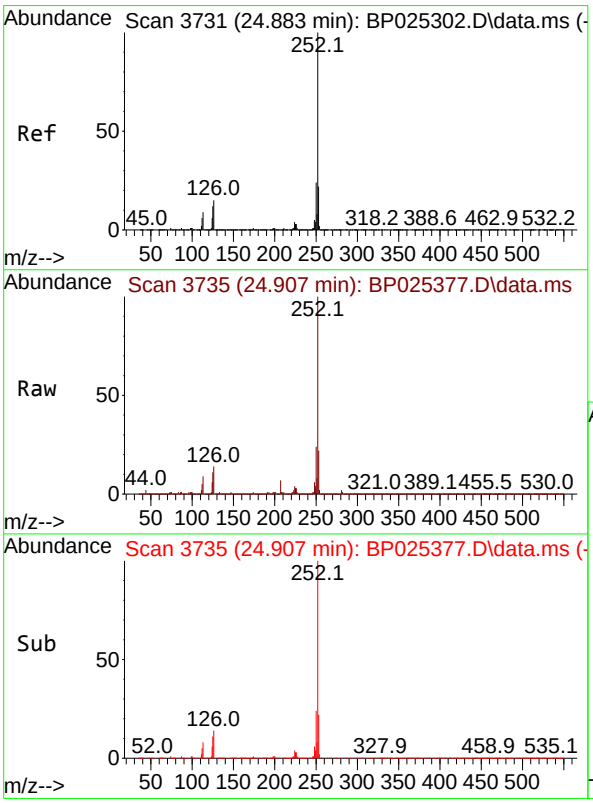
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

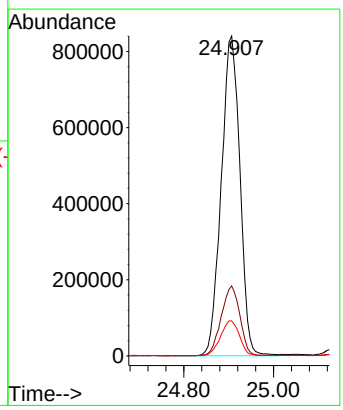


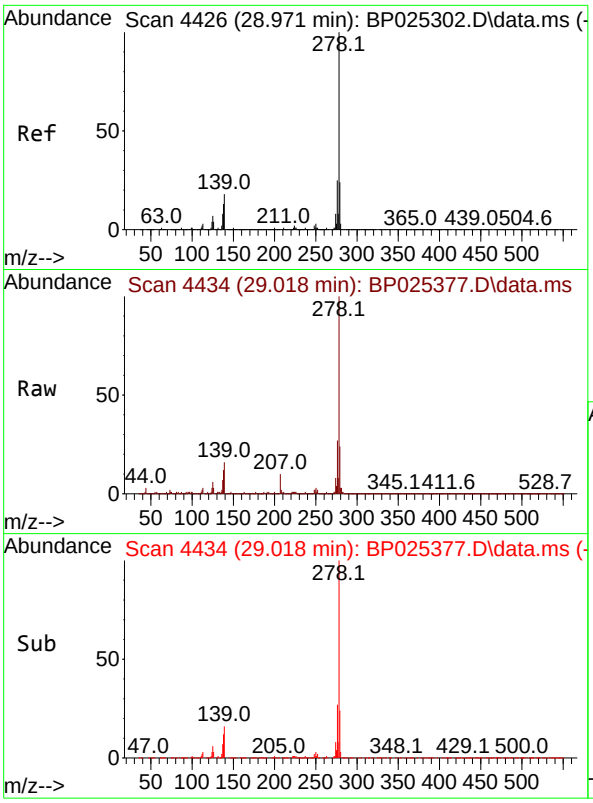


#90
Benzo(a)pyrene
Concen: 40.265 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.024 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 2431295

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	9.4	14.0

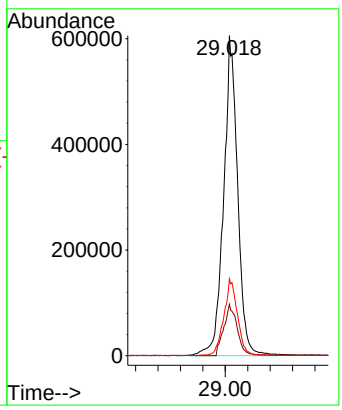




#91
Dibenzo(a,h)anthracene
Concen: 42.708 ng
RT: 29.018 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:278 Resp: 262593

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.6	22.0
279	24.0	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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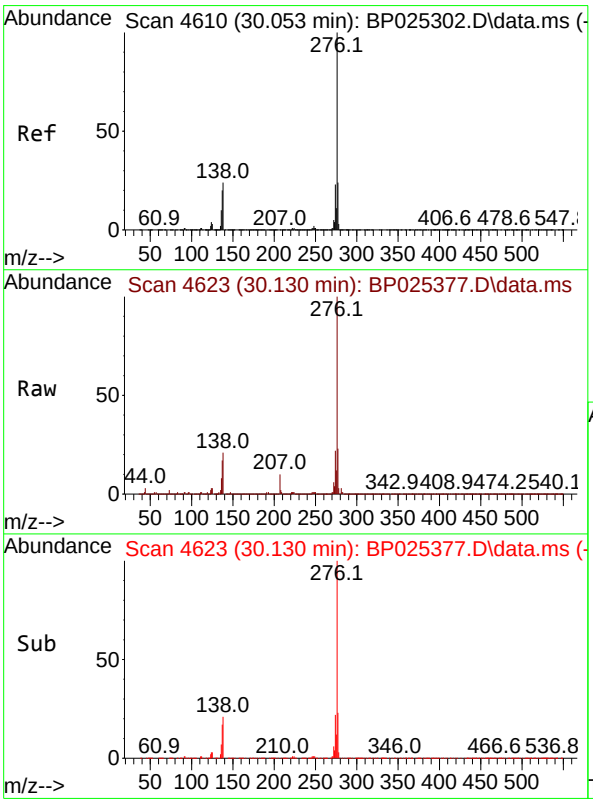
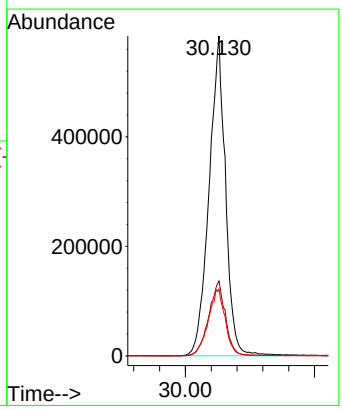
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#92
Benzo(g,h,i)perylene
Concen: 42.630 ng
RT: 30.130 min Scan# 4623
Delta R.T. 0.077 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:276 Resp: 2572509

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	21.0	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
2		1,4-Dioxane	0.491	0.473	3.7	79	0.00
3		Pyridine	1.363	1.265	7.2	76	0.00
4		n-Nitrosodimethylamine	0.633	0.554	12.5	73	0.00
5	S	2-Fluorophenol	1.244	1.214	2.4	79	0.00
6		Aniline	2.247	2.122	5.6	77	0.00
7	S	Phenol-d6	1.637	1.529	6.6	76	0.00
8		2-Chlorophenol	1.361	1.481	-8.8	89	0.00
9		Benzaldehyde	1.162	1.250	-7.6	72	0.00
10	C	Phenol	1.751	1.711	2.3	80	0.01
11		bis(2-Chloroethyl)ether	1.372	1.298	5.4	78	0.00
12		1,3-Dichlorobenzene	1.529	1.544	-1.0	85	0.00
13	C	1,4-Dichlorobenzene	1.547	1.582	-2.3	85	0.00
14		1,2-Dichlorobenzene	1.499	1.510	-0.7	84	0.00
15		Benzyl Alcohol	1.269	1.218	4.0	79	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.731	20.1	66	0.00
17		2-Methylphenol	1.172	1.142	2.6	78	0.00
18		Hexachloroethane	0.553	0.570	-3.1	85	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	1.030	4.2	77	0.00
20		3+4-Methylphenols	1.613	1.533	5.0	78	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	76	0.00
22		Acetophenone	0.502	0.503	-0.2	78	0.00
23	S	Nitrobenzene-d5	0.361	0.407	-12.7	83	0.00
24		Nitrobenzene	0.342	0.358	-4.7	80	0.00
25		Isophorone	0.719	0.697	3.1	75	0.00
26	C	2-Nitrophenol	0.126	0.187	-48.4#	112	0.00
27		2,4-Dimethylphenol	0.331	0.319	3.6	75	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.425	2.7	75	0.00
29	C	2,4-Dichlorophenol	0.290	0.306	-5.5	79	0.01
30		1,2,4-Trichlorobenzene	0.320	0.348	-8.7	85	0.00
31		Naphthalene	1.038	1.062	-2.3	80	0.00
32		Benzoic acid	0.168	0.196	-16.7	89	0.02
33		4-Chloroaniline	0.462	0.446	3.5	74	0.00
34	C	Hexachlorobutadiene	0.184	0.215	-16.8	92	0.00
35		Caprolactam	0.113	0.109	3.5	72	0.04
36	C	4-Chloro-3-methylphenol	0.336	0.364	-8.3	82	0.02
37		2-Methylnaphthalene	0.672	0.678	-0.9	79	0.01
38		1-Methylnaphthalene	0.701	0.699	0.3	78	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	75	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.607	-11.2	83	0.01
41	P	Hexachlorocyclopentadiene	0.337	0.381	-13.1	86	0.00
42	S	2,4,6-Tribromophenol	0.200	0.266	-33.0#	94	0.01
43	C	2,4,6-Trichlorophenol	0.353	0.403	-14.2	83	0.00
44		2,4,5-Trichlorophenol	0.396	0.445	-12.4	81	0.01
45	S	2-Fluorobiphenyl	1.448	1.545	-6.7	80	0.00
46		1,1'-Biphenyl	1.474	1.514	-2.7	79	0.00
47		2-Chloronaphthalene	1.124	1.198	-6.6	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.346	-20.1	85	0.00
49		Acenaphthylene	1.876	1.942	-3.5	78	0.00
50		Dimethylphthalate	1.458	1.489	-2.1	78	0.00
51		2,6-Dinitrotoluene	0.269	0.325	-20.8	85	0.01
52	C	Acenaphthene	1.144	1.121	2.0	76	0.00
53		3-Nitroaniline	0.315	0.358	-13.7	81	0.01
54	P	2,4-Dinitrophenol	0.105	0.160	-52.4#	126	0.01
55		Dibenzofuran	1.710	1.758	-2.8	79	0.00
56	P	4-Nitrophenol	0.278	0.293	-5.4	78	0.03
57		2,4-Dinitrotoluene	0.359	0.474	-32.0#	92	0.00
58		Fluorene	1.343	1.393	-3.7	80	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.386	-16.6	84	0.00
60		Diethylphthalate	1.470	1.490	-1.4	78	0.00
61		4-Chlorophenyl-phenylether	0.637	0.684	-7.4	82	0.00
62		4-Nitroaniline	0.312	0.358	-14.7	80	0.01
63		Azobenzene	1.366	1.316	3.7	73	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	0.080	0.126	-57.5#	128	0.00
66	c	n-Nitrosodiphenylamine	0.609	0.623	-2.3	79	0.00
67		4-Bromophenyl-phenylether	0.201	0.220	-9.5	84	0.00
68		Hexachlorobenzene	0.226	0.253	-11.9	88	0.00
69		Atrazine	0.214	0.227	-6.1	82	0.00
70	C	Pentachlorophenol	0.144	0.178	-23.6#	95	0.01
71		Phenanthrene	1.095	1.128	-3.0	80	0.00
72		Anthracene	1.105	1.151	-4.2	80	0.00
73		Carbazole	1.060	1.071	-1.0	78	0.00
74		Di-n-butylphthalate	1.283	1.344	-4.8	80	0.00
75	C	Fluoranthene	1.268	1.308	-3.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.724	0.808	-11.6	66	0.00
78		Pyrene	1.330	1.359	-2.2	83	0.00
79	S	Terphenyl-d14	1.059	1.119	-5.7	84	0.00
80		Butylbenzylphthalate	0.539	0.607	-12.6	85	0.00
81		Benzo(a)anthracene	1.329	1.347	-1.4	82	0.00
82		3,3'-Dichlorobenzidine	0.469	0.508	-8.3	85	0.00
83		Chrysene	1.233	1.266	-2.7	82	0.01
84		Bis(2-ethylhexyl)phthalate	0.861	0.909	-5.6	80	-0.01
85	c	Di-n-octyl phthalate	1.442	1.602	-11.1	84	0.00
86	I	Perylene-d12	1.000	1.000	0.0	83	0.03
87		Indeno(1,2,3-cd)pyrene	1.434	1.534	-7.0	88	0.03
88		Benzo(b)fluoranthene	1.197	1.203	-0.5	85	0.02
89		Benzo(k)fluoranthene	1.187	1.175	1.0	83	0.02
90	C	Benzo(a)pyrene	1.153	1.161	-0.7	83	0.02
91		Dibenzo(a,h)anthracene	1.174	1.254	-6.8	88	0.05
92		Benzo(g,h,i)perylene	1.152	1.228	-6.6	88	0.08

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	81	0.00
2		1,4-Dioxane	40.000	38.532	3.7	79	0.00
3		Pyridine	40.000	37.120	7.2	76	0.00
4		n-Nitrosodimethylamine	40.000	34.980	12.6	73	0.00
5	S	2-Fluorophenol	80.000	78.132	2.3	79	0.00
6		Aniline	40.000	37.788	5.5	77	0.00
7	S	Phenol-d6	80.000	74.762	6.5	76	0.00
8		2-Chlorophenol	40.000	43.530	-8.8	89	0.00
9		Benzaldehyde	40.000	43.002	-7.5	72	0.00
10	C	Phenol	40.000	39.092	2.3	80	0.01
11		bis(2-Chloroethyl)ether	40.000	37.851	5.4	78	0.00
12		1,3-Dichlorobenzene	40.000	40.376	-0.9	85	0.00
13	C	1,4-Dichlorobenzene	40.000	40.886	-2.2	85	0.00
14		1,2-Dichlorobenzene	40.000	40.292	-0.7	84	0.00
15		Benzyl Alcohol	40.000	38.407	4.0	79	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	31.950	20.1	66	0.00
17		2-Methylphenol	40.000	38.971	2.6	78	0.00
18		Hexachloroethane	40.000	41.220	-3.0	85	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.302	4.2	77	0.00
20		3+4-Methylphenols	40.000	38.009	5.0	78	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	76	0.00
22		Acetophenone	40.000	40.054	-0.1	78	0.00
23	S	Nitrobenzene-d5	80.000	90.170	-12.7	83	0.00
24		Nitrobenzene	40.000	41.925	-4.8	80	0.00
25		Isophorone	40.000	38.808	3.0	75	0.00
26	C	2-Nitrophenol	40.000	50.097	-25.2#	112	0.00
27		2,4-Dimethylphenol	40.000	38.455	3.9	75	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.899	2.8	75	0.00
29	C	2,4-Dichlorophenol	40.000	42.260	-5.6	79	0.01
30		1,2,4-Trichlorobenzene	40.000	43.530	-8.8	85	0.00
31		Naphthalene	40.000	40.934	-2.3	80	0.00
32		Benzoic acid	40.000	43.252	-8.1	89	0.02
33		4-Chloroaniline	40.000	38.661	3.3	74	0.00
34	C	Hexachlorobutadiene	40.000	46.907	-17.3	92	0.00
35		Caprolactam	40.000	38.677	3.3	72	0.04
36	C	4-Chloro-3-methylphenol	40.000	43.328	-8.3	82	0.02
37		2-Methylnaphthalene	40.000	40.333	-0.8	79	0.01
38		1-Methylnaphthalene	40.000	39.898	0.3	78	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	75	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.455	-11.1	83	0.01
41	P	Hexachlorocyclopentadiene	40.000	45.169	-12.9	86	0.00
42	S	2,4,6-Tribromophenol	80.000	106.478	-33.1#	94	0.01
43	C	2,4,6-Trichlorophenol	40.000	45.667	-14.2	83	0.00
44		2,4,5-Trichlorophenol	40.000	44.979	-12.4	81	0.01
45	S	2-Fluorobiphenyl	80.000	85.341	-6.7	80	0.00
46		1,1'-Biphenyl	40.000	41.092	-2.7	79	0.00
47		2-Chloronaphthalene	40.000	42.622	-6.6	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.432	-6.1	85	0.00
49		Acenaphthylene	40.000	41.408	-3.5	78	0.00
50		Dimethylphthalate	40.000	40.865	-2.2	78	0.00
51		2,6-Dinitrotoluene	40.000	48.334	-20.8	85	0.01
52	C	Acenaphthene	40.000	39.201	2.0	76	0.00
53		3-Nitroaniline	40.000	45.480	-13.7	81	0.01
54	P	2,4-Dinitrophenol	40.000	53.765	-34.4#	126	0.01
55		Dibenzofuran	40.000	41.132	-2.8	79	0.00
56	P	4-Nitrophenol	40.000	42.183	-5.5	78	0.03
57		2,4-Dinitrotoluene	40.000	45.658	-14.1	92	0.00
58		Fluorene	40.000	41.489	-3.7	80	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.722	-16.8	84	0.00
60		Diethylphthalate	40.000	40.555	-1.4	78	0.00
61		4-Chlorophenyl-phenylether	40.000	43.008	-7.5	82	0.00
62		4-Nitroaniline	40.000	45.895	-14.7	80	0.01
63		Azobenzene	40.000	38.553	3.6	73	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	40.000	54.377	-35.9#	128	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.950	-2.4	79	0.00
67		4-Bromophenyl-phenylether	40.000	43.673	-9.2	84	0.00
68		Hexachlorobenzene	40.000	44.825	-12.1	88	0.00
69		Atrazine	40.000	42.405	-6.0	82	0.00
70	C	Pentachlorophenol	40.000	49.549	-23.9#	95	0.01
71		Phenanthrene	40.000	41.178	-2.9	80	0.00
72		Anthracene	40.000	41.693	-4.2	80	0.00
73		Carbazole	40.000	40.403	-1.0	78	0.00
74		Di-n-butylphthalate	40.000	41.912	-4.8	80	0.00
75	C	Fluoranthene	40.000	41.272	-3.2	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	44.665	-11.7	66	0.00
78		Pyrene	40.000	40.885	-2.2	83	0.00
79	S	Terphenyl-d14	80.000	84.541	-5.7	84	0.00
80		Butylbenzylphthalate	40.000	45.038	-12.6	85	0.00
81		Benzo(a)anthracene	40.000	40.547	-1.4	82	0.00
82		3,3'-Dichlorobenzidine	40.000	43.364	-8.4	85	0.00
83		Chrysene	40.000	41.095	-2.7	82	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	42.221	-5.6	80	-0.01
85	c	Di-n-octyl phthalate	40.000	44.443	-11.1	84	0.00
86	I	Perylene-d12	20.000	20.000	0.0	83	0.03
87		Indeno(1,2,3-cd)pyrene	40.000	42.813	-7.0	88	0.03
88		Benzo(b)fluoranthene	40.000	40.203	-0.5	85	0.02
89		Benzo(k)fluoranthene	40.000	39.607	1.0	83	0.02
90	C	Benzo(a)pyrene	40.000	40.265	-0.7	83	0.02
91		Dibenzo(a,h)anthracene	40.000	42.708	-6.8	88	0.05
92		Benzo(g,h,i)perylene	40.000	42.630	-6.6	88	0.08

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 18:13

Lab File ID: BP025389.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:03 16:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.213		-2.5	50.0
Benzaldehyde	1.162	1.214		4.5	50.0
Phenol-d6	1.637	1.490		-9.0	50.0
Phenol	1.751	1.540		-12.1	50.0
bis(2-Chloroethyl)ether	1.372	1.239		-9.7	50.0
2-Chlorophenol	1.361	1.356		-0.4	50.0
2-Methylphenol	1.172	1.062		-9.4	50.0
2,2-oxybis(1-Chloropropane)	2.167	1.701		-21.5	50.0
Acetophenone	0.502	0.487		-3.0	50.0
3+4-Methylphenols	1.613	1.423		-11.8	50.0
n-Nitroso-di-n-propylamine	1.075	0.937	0.050	-12.8	50.0
Nitrobenzene-d5	0.361	0.386		6.9	50.0
Hexachloroethane	0.553	0.578		4.5	50.0
Nitrobenzene	0.342	0.345		0.9	50.0
Isophorone	0.719	0.667		-7.2	50.0
2-Nitrophenol	0.126	0.185		46.8	50.0
2,4-Dimethylphenol	0.331	0.310		-6.3	50.0
bis(2-Chloroethoxy)methane	0.437	0.417		-4.6	50.0
2,4-Dichlorophenol	0.290	0.306		5.5	50.0
Naphthalene	1.038	1.037		-0.1	50.0
4-Chloroaniline	0.462	0.425		-8.0	50.0
Hexachlorobutadiene	0.184	0.219		19.0	50.0
Caprolactam	0.113	0.104		-8.0	50.0
4-Chloro-3-methylphenol	0.336	0.330		-1.8	50.0
2-Methylnaphthalene	0.672	0.670		-0.3	50.0
Hexachlorocyclopentadiene	0.337	0.323	0.050	-4.2	50.0
2,4,6-Trichlorophenol	0.353	0.398		12.7	50.0
2-Fluorobiphenyl	1.448	1.464		1.1	50.0
2,4,5-Trichlorophenol	0.396	0.435		9.8	50.0
1,1-Biphenyl	1.474	1.471		-0.2	50.0
2-Chloronaphthalene	1.124	1.149		2.2	50.0
2-Nitroaniline	0.288	0.324		12.5	50.0
Dimethylphthalate	1.458	1.447		-0.8	50.0
Acenaphthylene	1.876	1.858		-1.0	50.0
2,6-Dinitrotoluene	0.269	0.310		15.2	50.0
3-Nitroaniline	0.315	0.334		6.0	50.0
Acenaphthene	1.144	1.170		2.3	50.0
2,4-Dinitrophenol	0.105	0.127	0.050	21.0	50.0
4-Nitrophenol	0.278	0.273	0.050	-1.8	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 18:13

Lab File ID: BP025389.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:03 16:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.720		0.6	50.0
2,4-Dinitrotoluene	0.359	0.446		24.2	50.0
Diethylphthalate	1.470	1.516		3.1	50.0
4-Chlorophenyl-phenylether	0.637	0.682		7.1	50.0
Fluorene	1.343	1.334		-0.7	50.0
4-Nitroaniline	0.312	0.334		7.1	50.0
4,6-Dinitro-2-methylphenol	0.080	0.100		25.0	50.0
n-Nitrosodiphenylamine	0.609	0.598		-1.8	50.0
2,4,6-Tribromophenol	0.200	0.277		38.5	50.0
4-Bromophenyl-phenylether	0.201	0.219		9.0	50.0
Hexachlorobenzene	0.226	0.251		11.1	50.0
Atrazine	0.214	0.227		6.1	50.0
Pentachlorophenol	0.144	0.168		16.7	50.0
Phenanthrene	1.095	1.076		-1.7	50.0
Anthracene	1.105	1.114		0.8	50.0
Carbazole	1.060	1.044		-1.5	50.0
Di-n-butylphthalate	1.283	1.427		11.2	50.0
Fluoranthene	1.268	1.330		4.9	50.0
Pyrene	1.330	1.291		-3.0	50.0
Terphenyl-d14	1.059	1.080		2.0	50.0
Butylbenzylphthalate	0.539	0.638		18.4	50.0
3,3-Dichlorobenzidine	0.469	0.506		7.9	50.0
Benzo(a)anthracene	1.329	1.326		-0.2	50.0
Chrysene	1.233	1.230		-0.2	50.0
Bis(2-ethylhexyl)phthalate	0.861	0.996		15.7	50.0
Di-n-octyl phthalate	1.442	1.723		19.5	50.0
Benzo(b)fluoranthene	1.197	1.177		-1.7	50.0
Benzo(k)fluoranthene	1.187	1.160		-2.3	50.0
Benzo(a)pyrene	1.153	1.144		-0.8	50.0
Indeno(1,2,3-cd)pyrene	1.434	1.457		1.6	50.0
Dibenzo(a,h)anthracene	1.174	1.194		1.7	50.0
Benzo(g,h,i)perylene	1.152	1.154		0.2	50.0
1,2,4,5-Tetrachlorobenzene	0.546	0.604		10.6	50.0
1,4-Dioxane	0.491	0.463		-5.7	50.0
2,3,4,6-Tetrachlorophenol	0.331	0.380		14.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.801	152	184702	20.000	ng		0.00
21) Naphthalene-d8	10.578	136	736218	20.000	ng		0.00
39) Acenaphthene-d10	14.424	164	463395	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	942404	20.000	ng		0.00
76) Chrysene-d12	21.665	240	1019671	20.000	ng		0.00
86) Perylene-d12	25.059	264	1166515	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	896126	78.034	ng		0.00
7) Phenol-d6	6.972	99	1100976	72.847	ng		0.00
23) Nitrobenzene-d5	8.936	82	1136884	85.552	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	512553	110.873	ng		0.01
45) 2-Fluorobiphenyl	13.036	172	2714182	80.900	ng		0.00
79) Terphenyl-d14	19.948	244	4405762	81.610	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	171067	37.748	ng		96
3) Pyridine	3.731	79	442368	35.134	ng		96
4) n-Nitrosodimethylamine	3.631	42	188153	32.188	ng	#	95
6) Aniline	7.131	93	724014	34.897	ng		99
8) 2-Chlorophenol	7.372	128	500853	39.844	ng		97
9) Benzaldehyde	6.942	77	448384	41.771	ng		98
10) Phenol	7.001	94	568907	35.181	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	457720	36.125	ng		98
12) 1,3-Dichlorobenzene	7.689	146	561340	39.743	ng		99
13) 1,4-Dichlorobenzene	7.831	146	570722	39.939	ng		97
14) 1,2-Dichlorobenzene	8.148	146	543452	39.259	ng		98
15) Benzyl Alcohol	8.031	79	412992	35.252	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	628261	31.389	ng		95
17) 2-Methylphenol	8.231	107	392344	36.260	ng		97
18) Hexachloroethane	8.872	117	213457	41.770	ng		91
19) n-Nitroso-di-n-propyla...	8.589	70	346148	34.859	ng		94
20) 3+4-Methylphenols	8.554	107	525616	35.276	ng		99
22) Acetophenone	8.601	105	716512	38.768	ng		97
24) Nitrobenzene	8.978	77	507543	40.347	ng		96
25) Isophorone	9.513	82	982573	37.145	ng		99
26) 2-Nitrophenol	9.684	139	271753	49.472	ng		97
27) 2,4-Dimethylphenol	9.748	122	455846	37.378	ng		94
28) bis(2-Chloroethoxy)met...	9.978	93	613737	38.140	ng		100
29) 2,4-Dichlorophenol	10.225	162	450740	42.216	ng		99
30) 1,2,4-Trichlorobenzene	10.436	180	508300	43.152	ng		99
31) Naphthalene	10.625	128	1527522	39.968	ng		99
32) Benzoic acid	9.883	122	318796	46.453	ng		99
33) 4-Chloroaniline	10.725	127	625936	36.824	ng		99
34) Hexachlorobutadiene	10.913	225	322850	47.747	ng		98
35) Caprolactam	11.507	113	153606	37.085	ng	#	87
36) 4-Chloro-3-methylphenol	11.854	107	486095	39.346	ng		99
37) 2-Methylnaphthalene	12.230	142	985811	39.851	ng		100
38) 1-Methylnaphthalene	12.454	142	1027342	39.802	ng		100
40) 1,2,4,5-Tetrachloroben...	12.607	216	559369	44.214	ng		99
41) Hexachlorocyclopentadiene	12.595	237	299470	38.353	ng		98
43) 2,4,6-Trichlorophenol	12.848	196	368871	45.134	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.919	196	402704	43.925	ng		99
46) 1,1'-Biphenyl	13.254	154	1363544	39.928	ng		99
47) 2-Chloronaphthalene	13.295	162	1065180	40.884	ng		99
48) 2-Nitroaniline	13.483	65	300035	39.849	ng		98
49) Acenaphthylene	14.136	152	1721913	39.622	ng		100
50) Dimethylphthalate	13.872	163	1341204	39.703	ng		100
51) 2,6-Dinitrotoluene	13.989	165	287495	46.139	ng		92
52) Acenaphthene	14.483	154	1084324m	40.905	ng		
53) 3-Nitroaniline	14.319	138	309614	42.464	ng		94
54) 2,4-Dinitrophenol	14.524	184	117674	46.258	ng	#	50
55) Dibenzofuran	14.824	168	1594419	40.249	ng		99
56) 4-Nitrophenol	14.636	139	253454	39.388	ng		96
57) 2,4-Dinitrotoluene	14.783	165	413517	43.163	ng		99
58) Fluorene	15.489	166	1236568	39.744	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.060	232	352030	45.967	ng		97
60) Diethylphthalate	15.260	149	1405313	41.263	ng		100
61) 4-Chlorophenyl-phenyle...	15.483	204	631982	42.846	ng		99
62) 4-Nitroaniline	15.495	138	309199	42.799	ng		98
63) Azobenzene	15.783	77	1193034	37.708	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	187566	45.770	ng		94
66) n-Nitrosodiphenylamine	15.701	169	1127513	39.294	ng		100
67) 4-Bromophenyl-phenylether	16.401	248	412364	43.488	ng		98
68) Hexachlorobenzene	16.518	284	474025	44.553	ng		95
69) Atrazine	16.677	200	428489	42.462	ng		99
70) Pentachlorophenol	16.871	266	316137	46.638	ng		99
71) Phenanthrene	17.271	178	2027625	39.282	ng		100
72) Anthracene	17.365	178	2100517	40.360	ng		100
73) Carbazole	17.636	167	1967991	39.392	ng		99
74) Di-n-butylphthalate	18.248	149	2689910	44.506	ng		99
75) Fluoranthene	19.348	202	2507136	41.959	ng		98
77) Benzidine	19.542	184	1560704	42.288	ng		99
78) Pyrene	19.724	202	2631764	38.813	ng		99
80) Butylbenzylphthalate	20.677	149	1300248	47.282	ng		96
81) Benzo(a)anthracene	21.648	228	2703813	39.903	ng		100
82) 3,3'-Dichlorobenzidine	21.571	252	1031182	43.133	ng		98
83) Chrysene	21.712	228	2508190	39.909	ng		99
84) Bis(2-ethylhexyl)phtha...	21.601	149	2030394	46.239	ng		99
85) Di-n-octyl phthalate	22.900	149	3513733	47.807	ng		96
87) Indeno(1,2,3-cd)pyrene	28.947	276	3398258	40.644	ng		99
88) Benzo(b)fluoranthene	23.995	252	2746202	39.327	ng		99
89) Benzo(k)fluoranthene	24.071	252	2706136	39.093	ng		98
90) Benzo(a)pyrene	24.906	252	2669640	39.699	ng		99
91) Dibenzo(a,h)anthracene	29.024	278	2785665	40.680	ng		97
92) Benzo(g,h,i)perylene	30.124	276	2693148	40.074	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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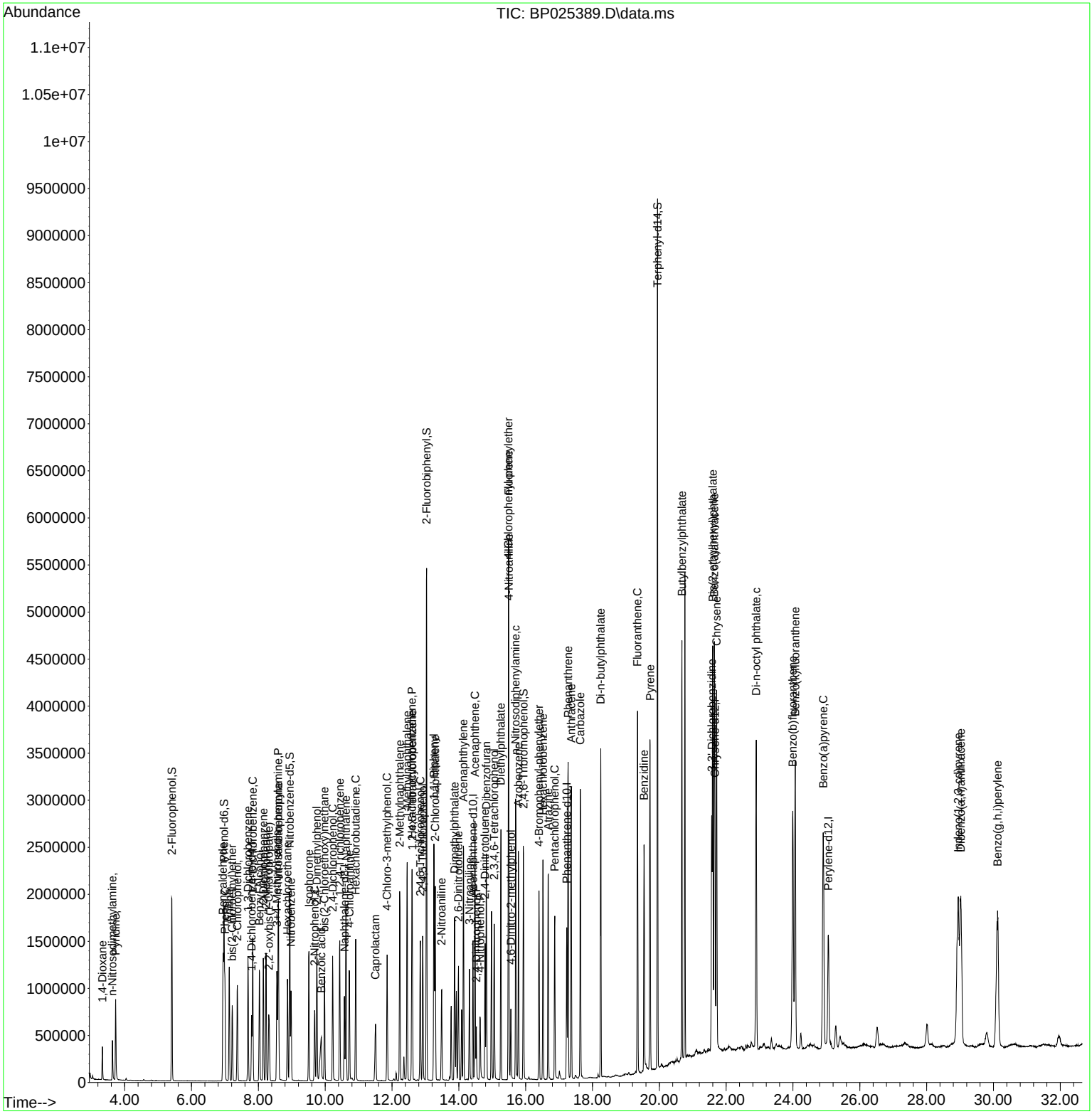
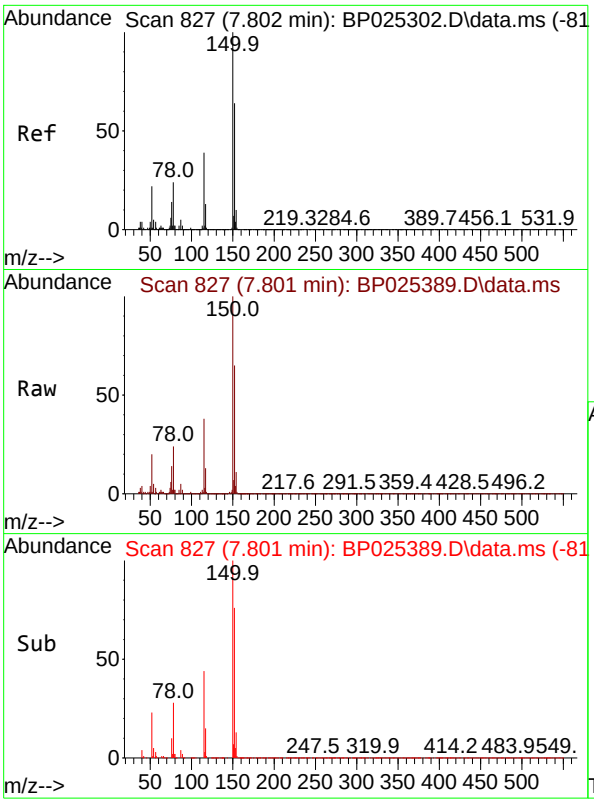
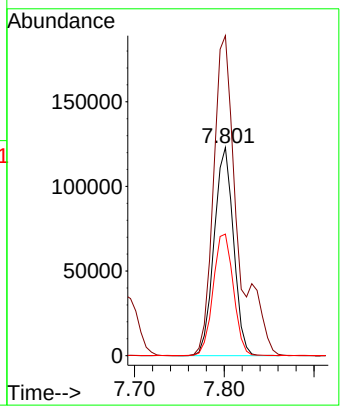




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.801 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:152 Resp: 18470

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.1	187.7
115	58.4	48.4	72.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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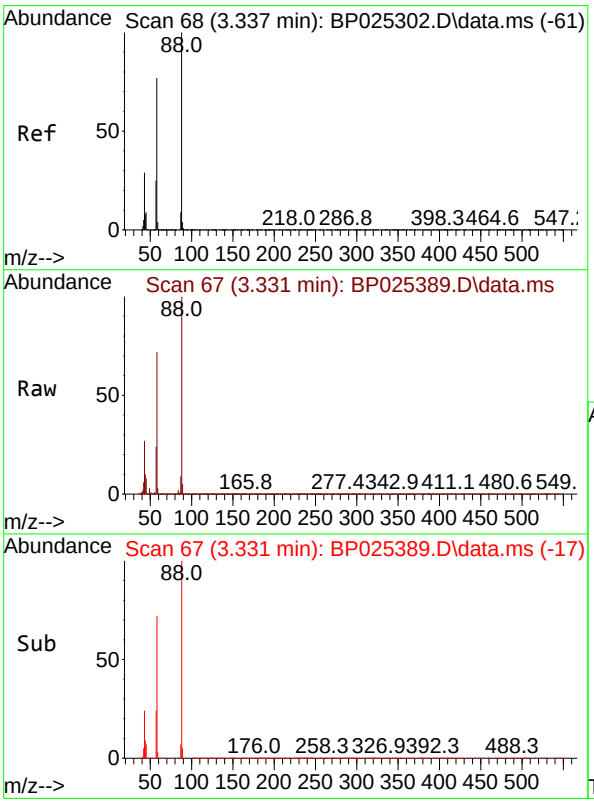
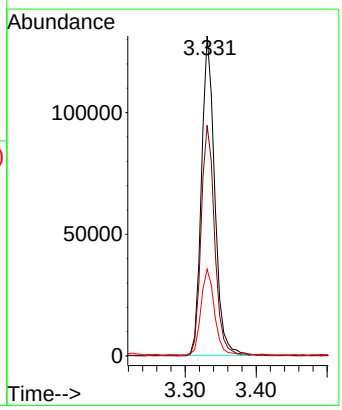
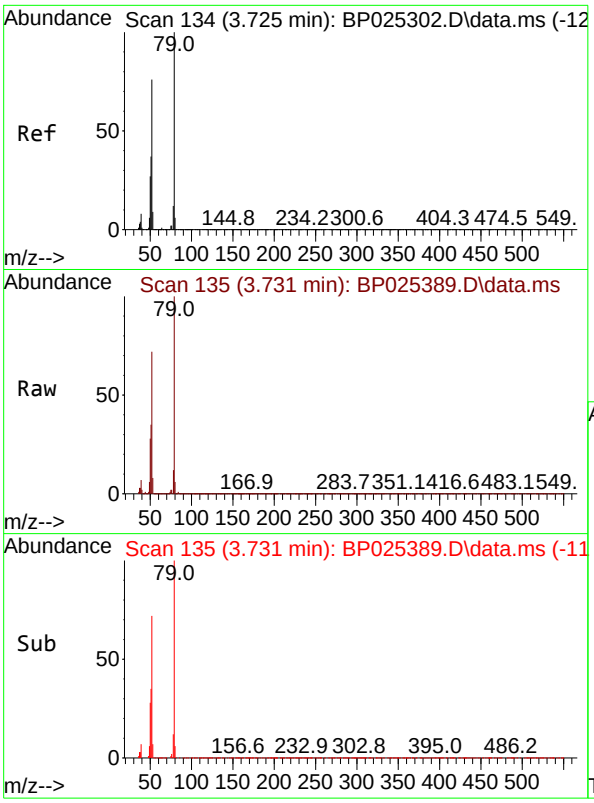


#2
1,4-Dioxane
Concen: 37.748 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 88 Resp: 171067

Ion	Ratio	Lower	Upper
88	100		
58	74.1	61.9	92.9
43	27.2	24.2	36.2

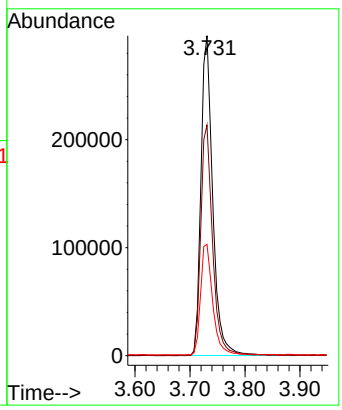




#3
Pyridine
Concen: 35.134 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 79 Resp: 44236

Ion	Ratio	Lower	Upper
79	100		
52	72.0	60.5	90.7
51	34.8	30.2	45.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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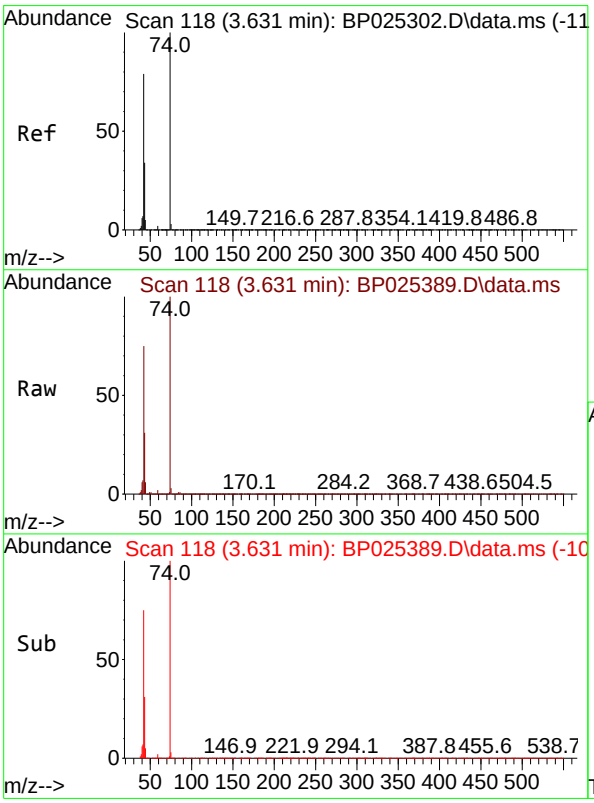
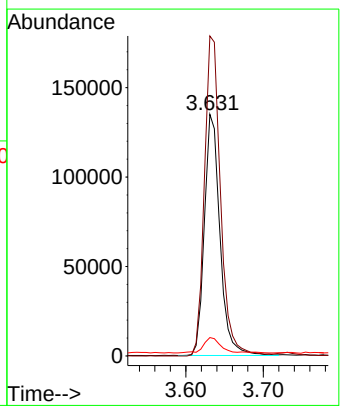
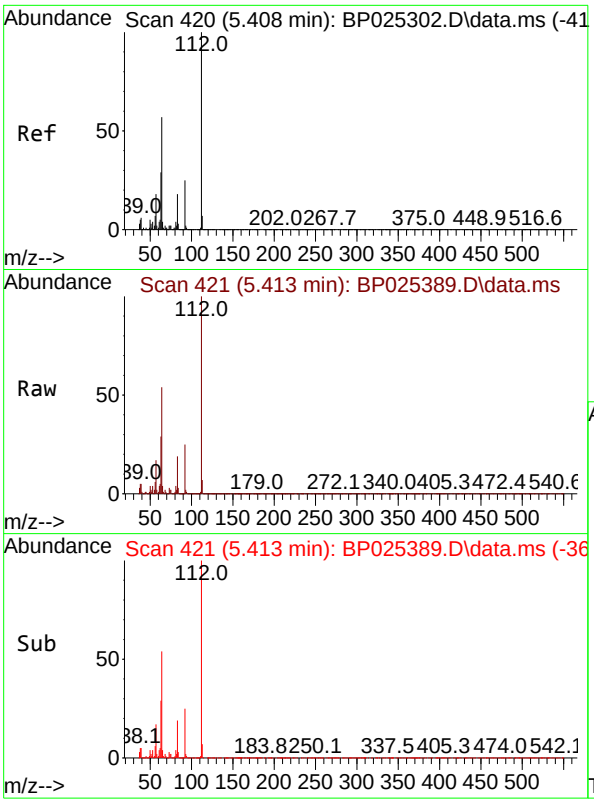


#4
n-Nitrosodimethylamine
Concen: 32.188 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 42 Resp: 188153

Ion	Ratio	Lower	Upper
42	100		
74	132.5	101.4	152.2
44	7.6	7.6	11.4#





#5
2-Fluorophenol
Concen: 78.034 ng
RT: 5.413 min Scan# 4
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:112 Resp: 89612

Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.3	67.9
63	28.5	23.0	34.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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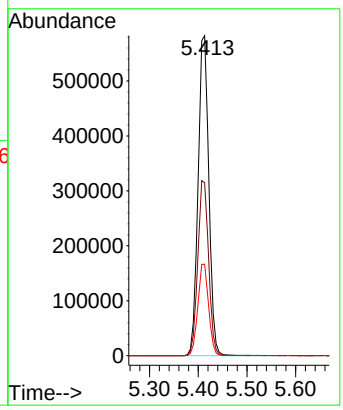
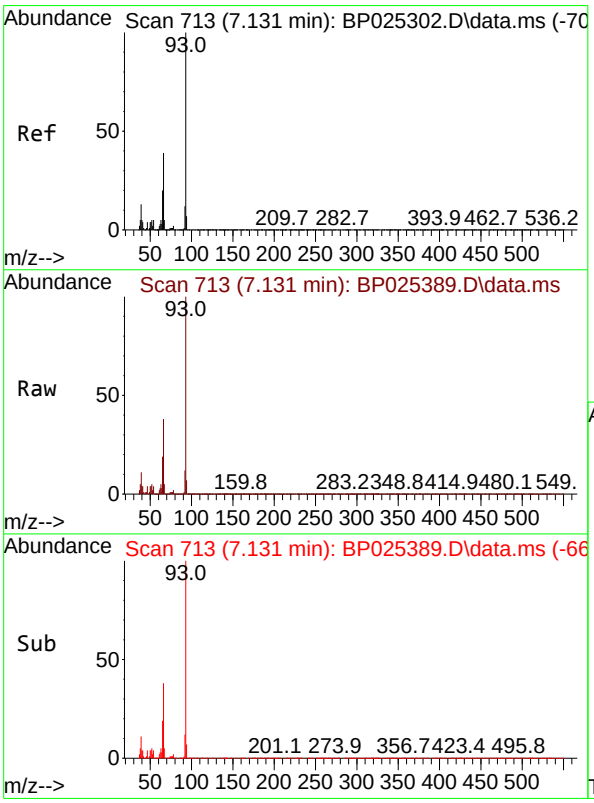
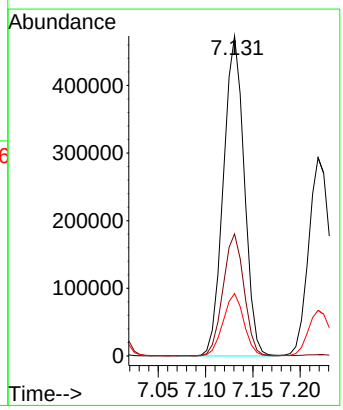


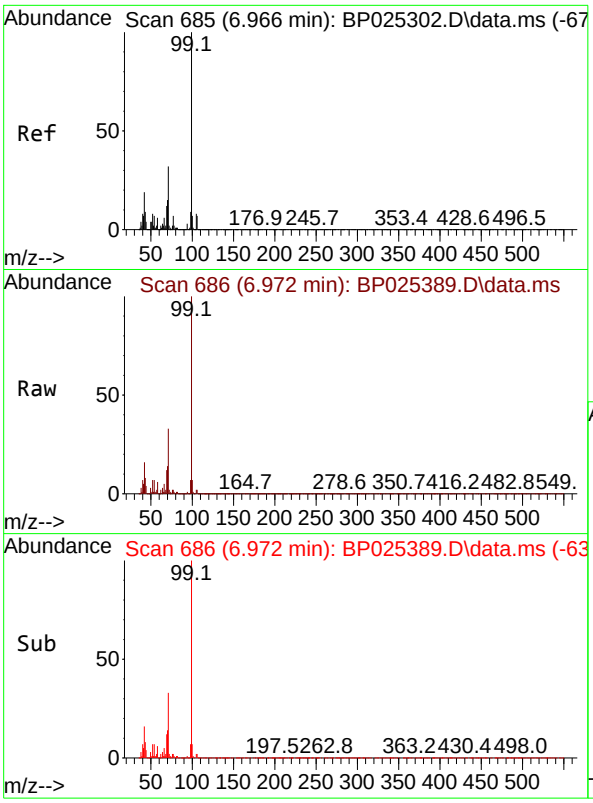


#6
Aniline
Concen: 34.897 ng
RT: 7.131 min Scan# 713
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 93 Resp: 724014

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.1	46.7
65	19.5	15.8	23.8

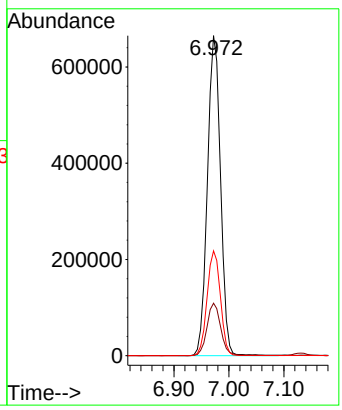




#7
Phenol-d6
Concen: 72.847 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 99 Resp: 110097

Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	32.8	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

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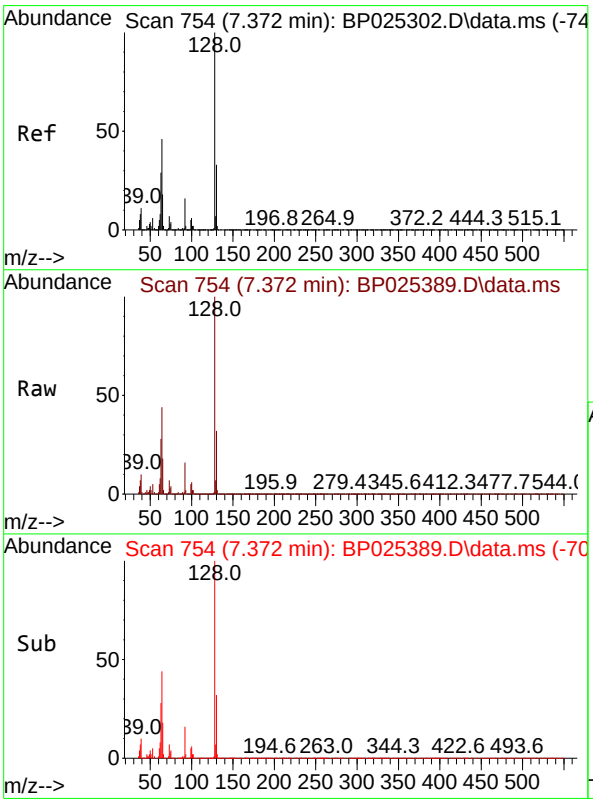
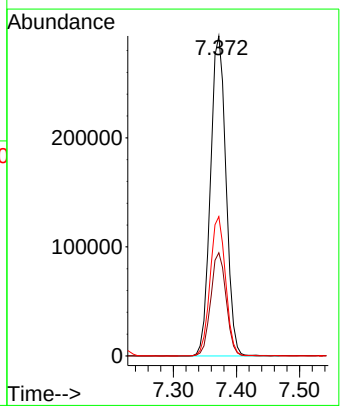
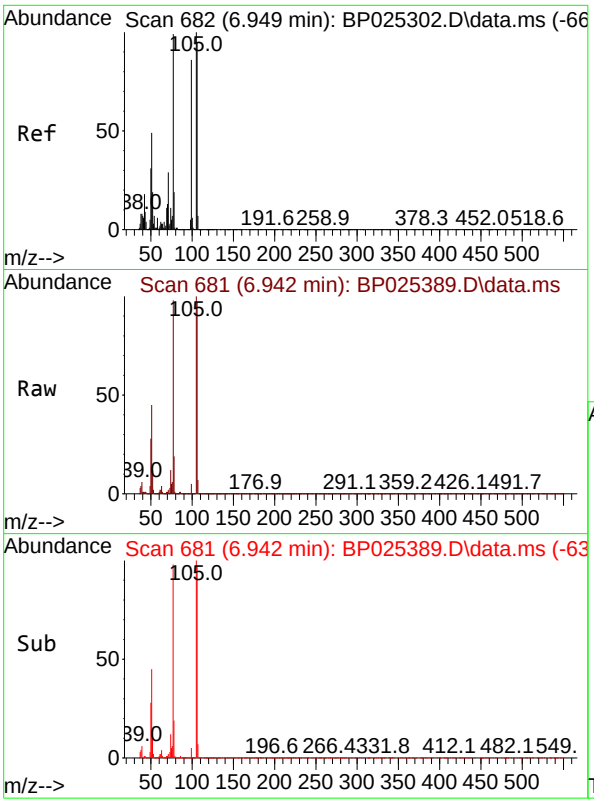


#8
2-Chlorophenol
Concen: 39.844 ng
RT: 7.372 min Scan# 754
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:128 Resp: 500853

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.1	53.1
64	43.6	26.1	66.1

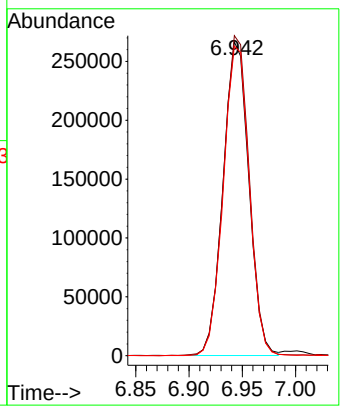




#9
Benzaldehyde
Concen: 41.771 ng
RT: 6.942 min Scan# 6
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 77 Resp: 44838

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	98.7	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

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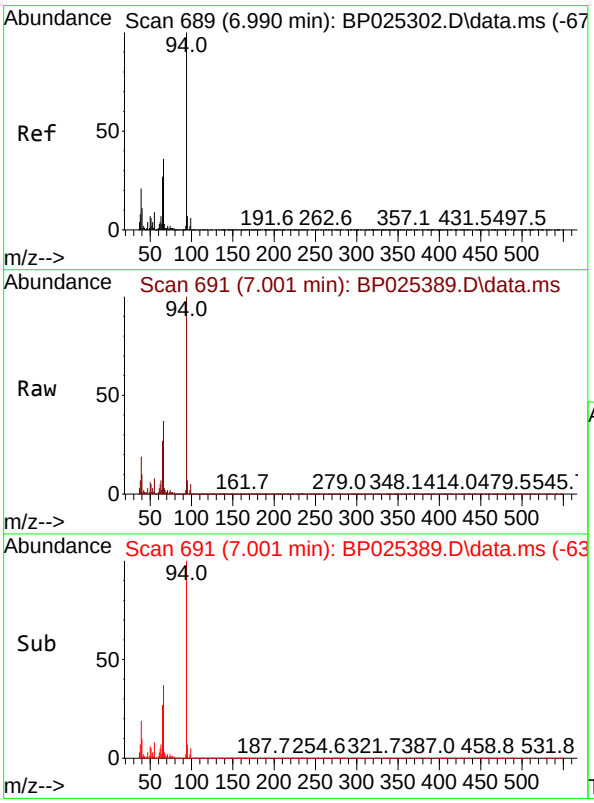
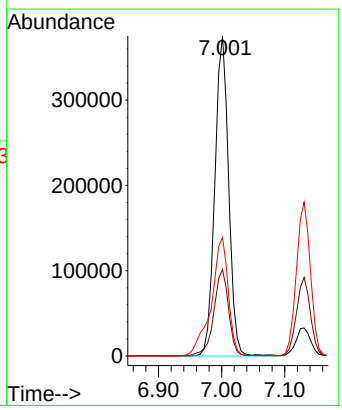
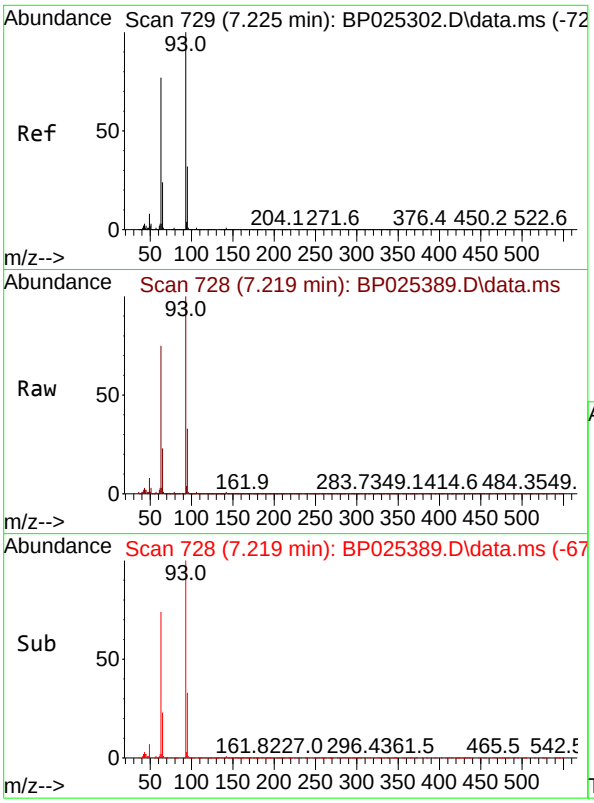


#10
Phenol
Concen: 35.181 ng
RT: 7.001 min Scan# 691
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 94 Resp: 568907

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.3	47.3
66	37.0	15.7	55.7

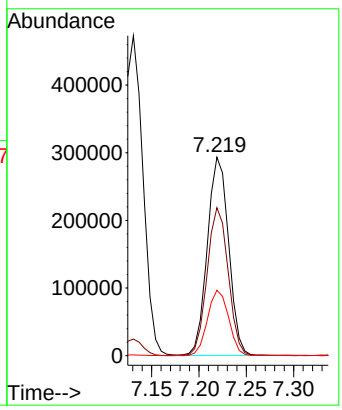




#11
bis(2-Chloroethyl)ether
Concen: 36.125 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 93 Resp: 45772

Ion	Ratio	Lower	Upper
93	100		
63	74.7	57.0	97.0
95	33.0	12.1	52.1



Instrument :
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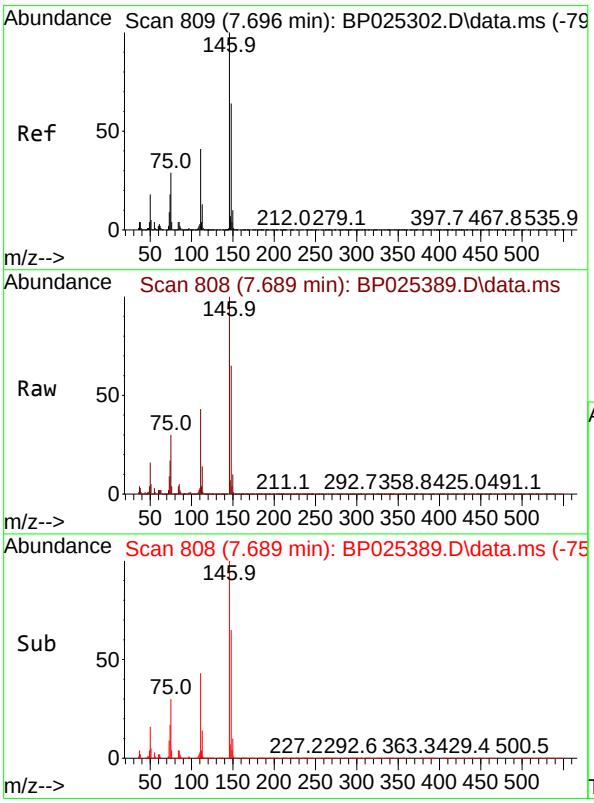
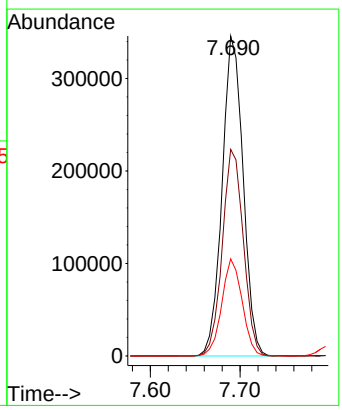
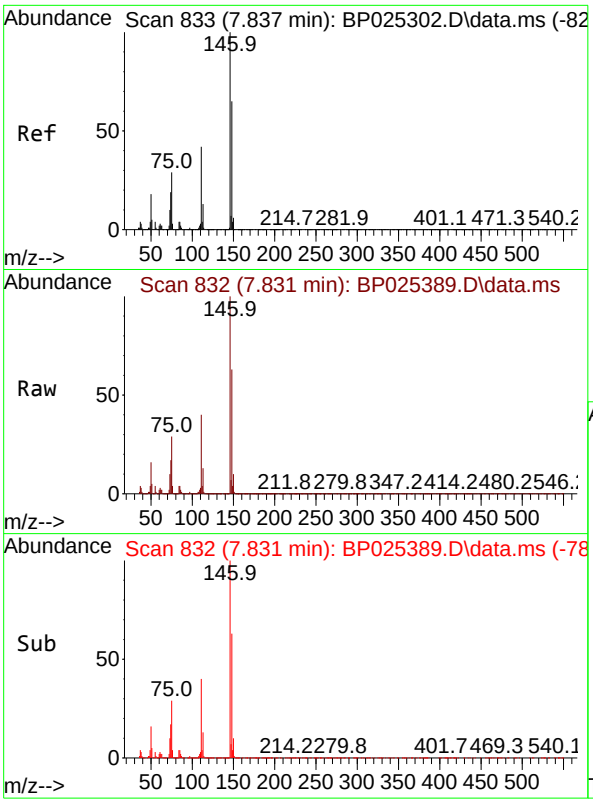


#12
1,3-Dichlorobenzene
Concen: 39.743 ng
RT: 7.689 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:146 Resp: 561340

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
75	30.4	23.2	34.8

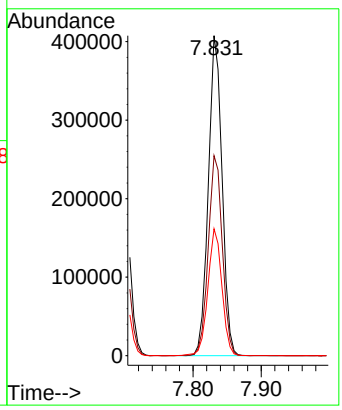




#13
1,4-Dichlorobenzene
Concen: 39.939 ng
RT: 7.831 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:146 Resp: 57072

Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.0	78.0
111	39.6	33.2	49.8



Instrument :
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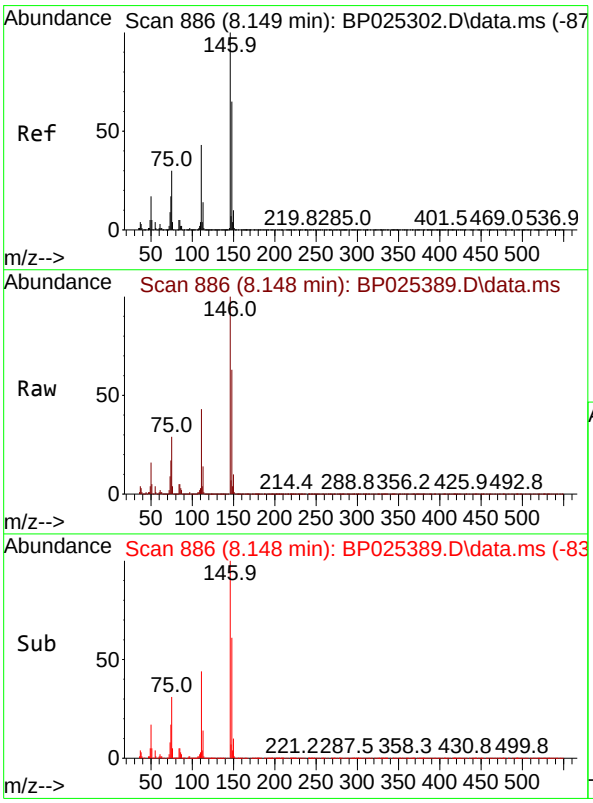
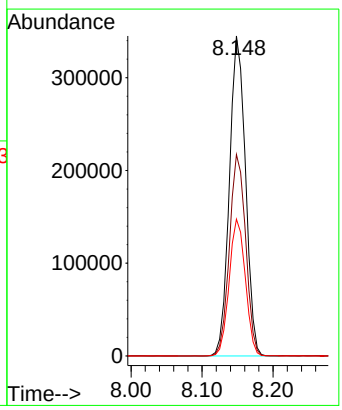
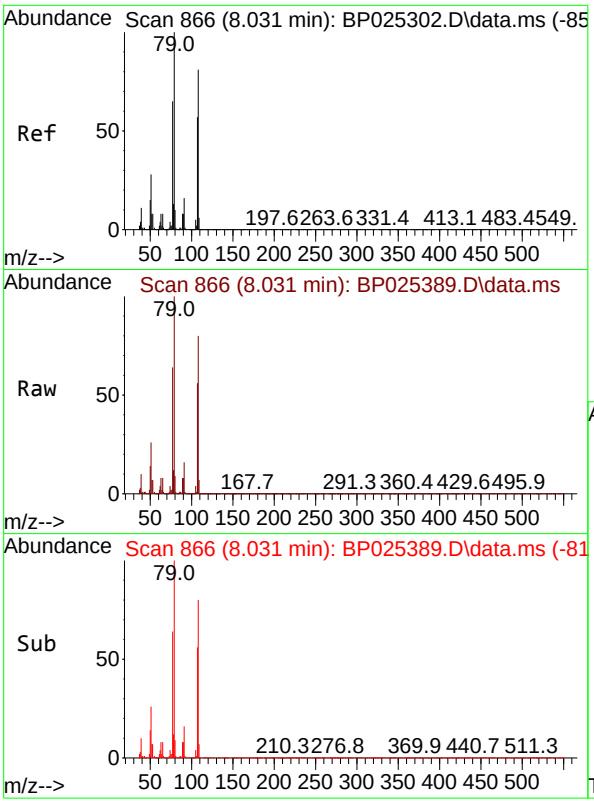


#14
1,2-Dichlorobenzene
Concen: 39.259 ng
RT: 8.148 min Scan# 886
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:146 Resp: 543452

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
111	42.8	34.4	51.6





#15
Benzyl Alcohol
Concen: 35.252 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 79 Resp: 41299

Ion	Ratio	Lower	Upper
79	100		
108	80.0	64.5	96.7
77	63.7	51.9	77.9

Instrument :
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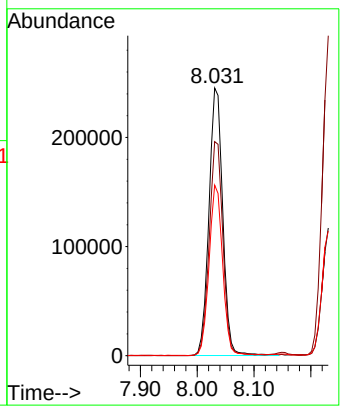
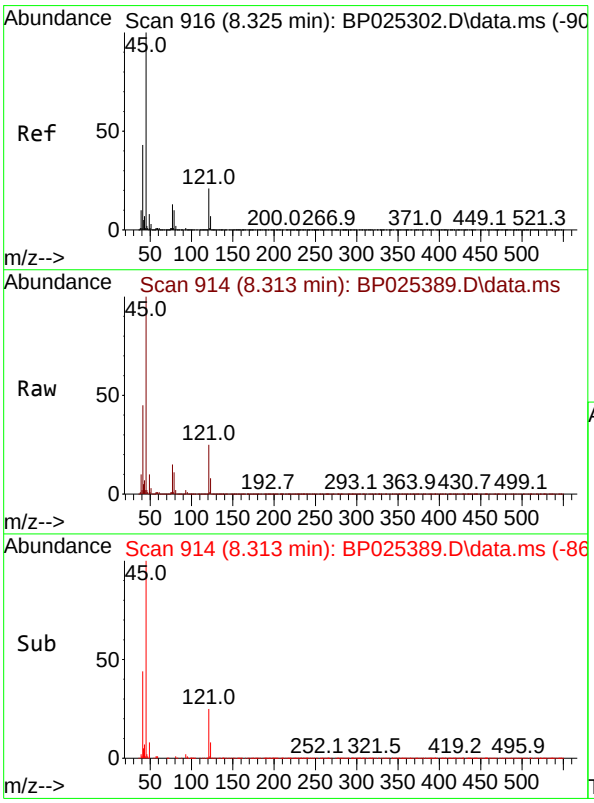
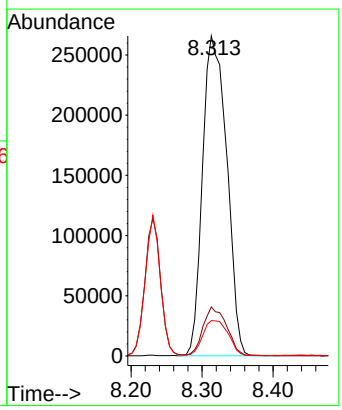


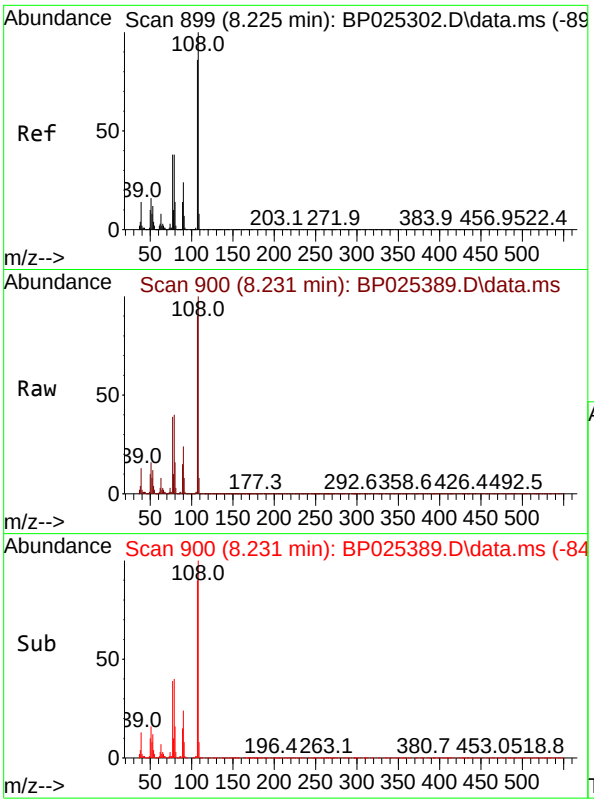


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.389 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 45 Resp: 628261

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	33.0
79	11.0	0.0	29.8

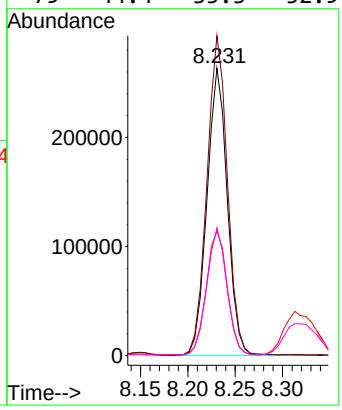




#17
2-Methylphenol
Concen: 36.260 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:107 Resp: 39234

Ion	Ratio	Lower	Upper
107	100		
108	111.3	92.6	139.0
77	43.4	35.4	53.2
79	44.4	35.3	52.9



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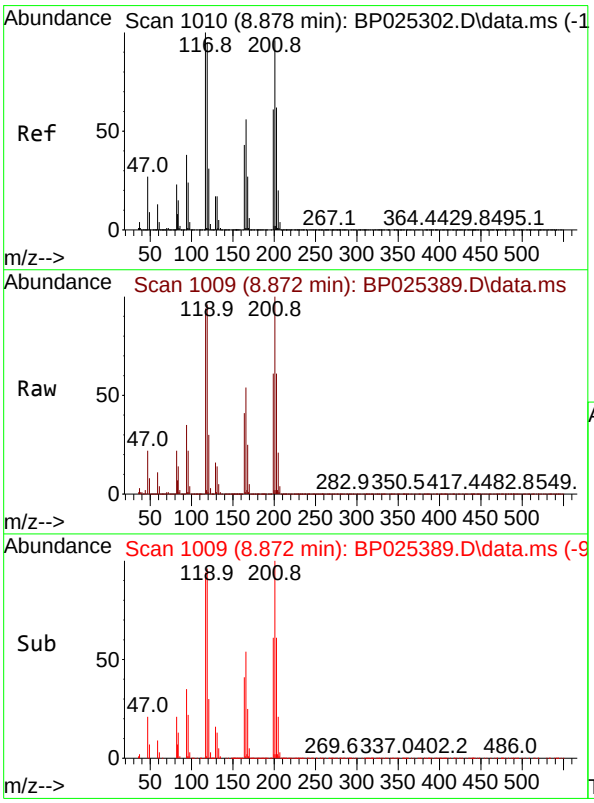
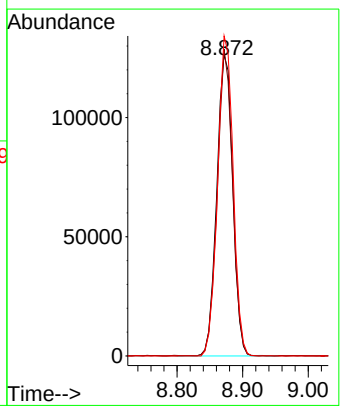
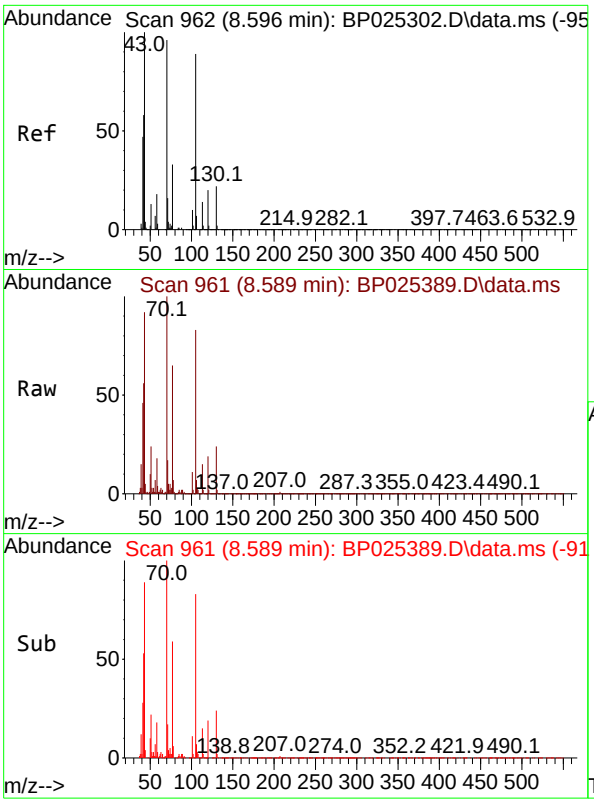


#18
Hexachloroethane
Concen: 41.770 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:117 Resp: 213457

Ion	Ratio	Lower	Upper
117	100		
119	101.8	75.8	113.8
201	106.2	76.6	114.8

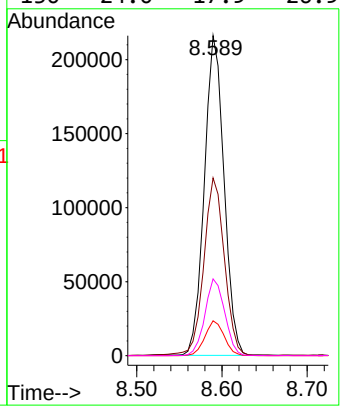




#19
n-Nitroso-di-n-propylamine
Concen: 34.859 ng
RT: 8.589 min Scan# 9
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 70 Resp: 34614

Ion	Ratio	Lower	Upper
70	100		
42	55.6	49.4	74.0
101	10.9	7.9	11.9
130	24.0	17.9	26.9



Instrument :
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ClientSampleId :
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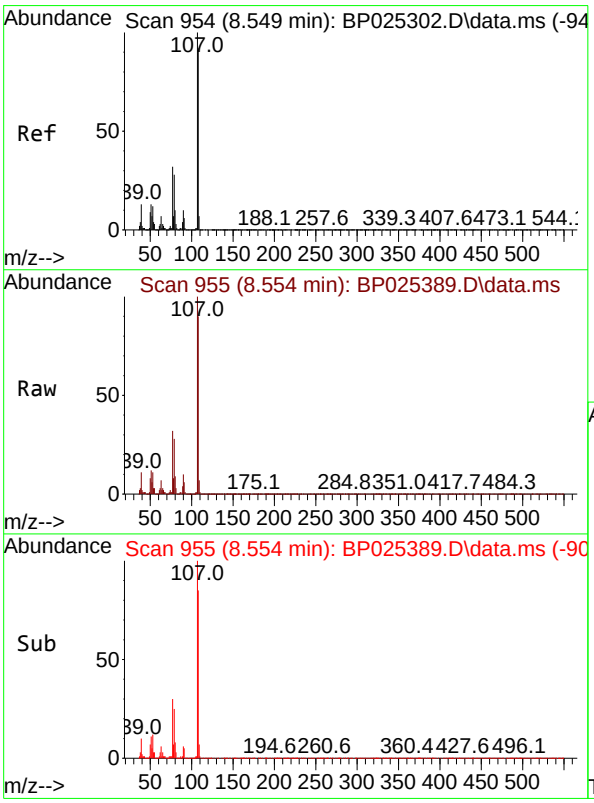
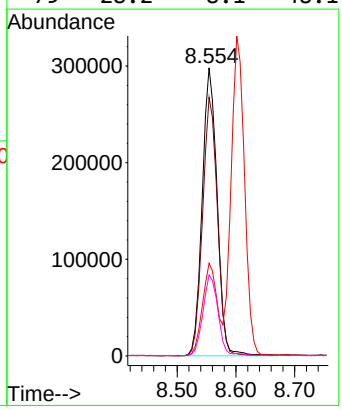
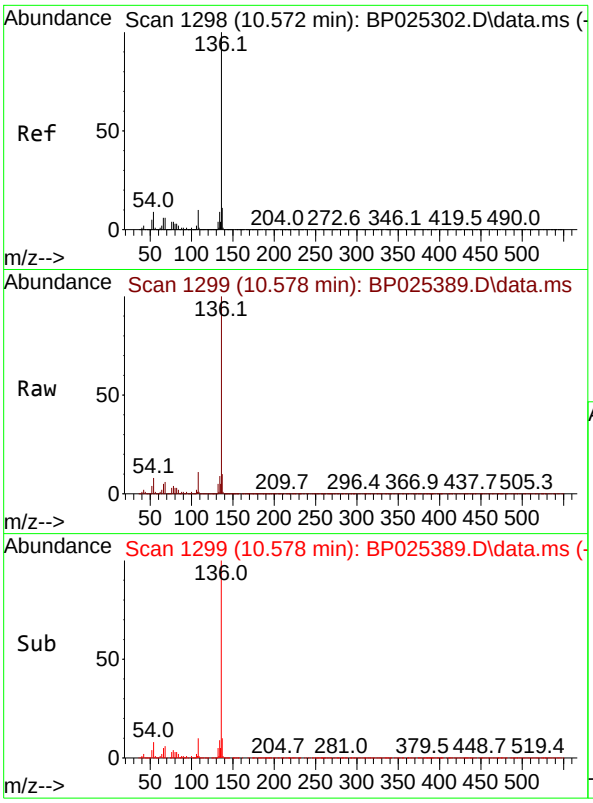


#20
3+4-Methylphenols
Concen: 35.276 ng
RT: 8.554 min Scan# 955
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:107 Resp: 525616

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.9	111.9
77	32.2	12.0	52.0
79	28.2	8.1	48.1

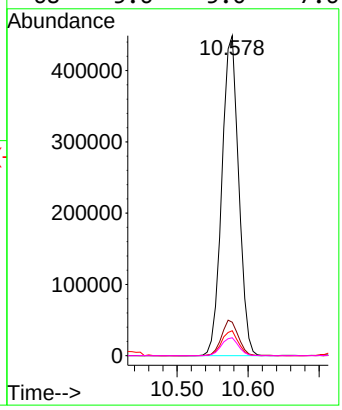




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:136 Resp: 73621

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.8	7.0	10.6
68	5.6	5.0	7.6



Instrument :
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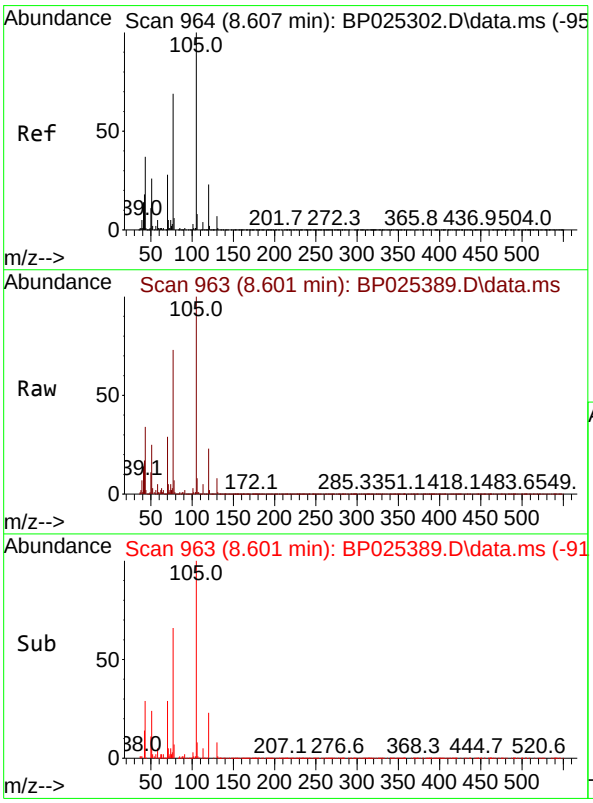
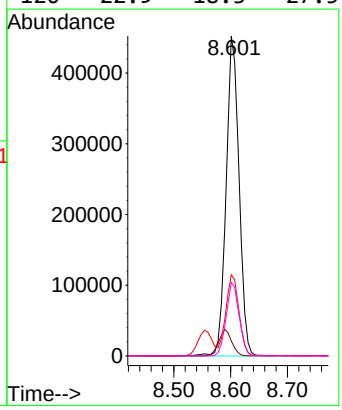
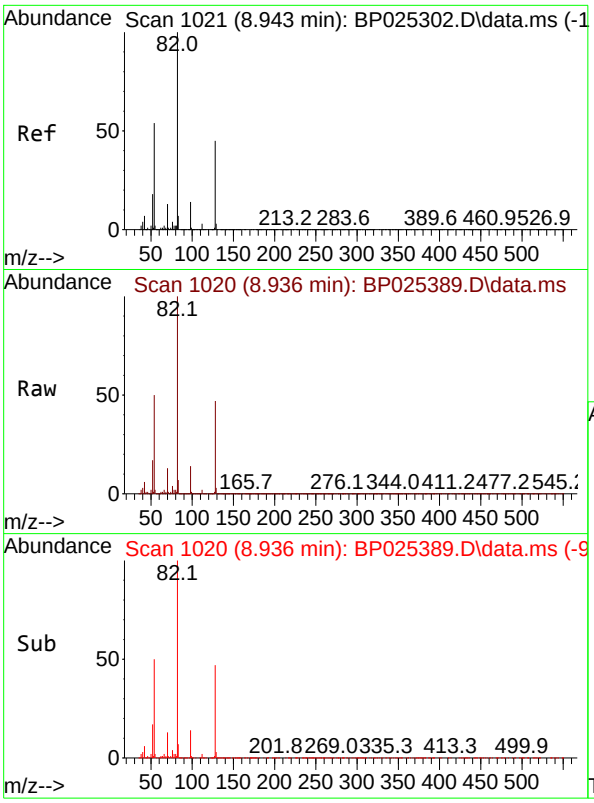


#22
Acetophenone
Concen: 38.768 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:105 Resp: 716512

Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.1	6.1
51	25.4	22.7	34.1
120	22.9	18.3	27.5





#23
Nitrobenzene-d5
Concen: 85.552 ng
RT: 8.936 min Scan# 1
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 82 Resp: 113688

Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.4	53.2
54	50.4	42.9	64.3

Instrument :
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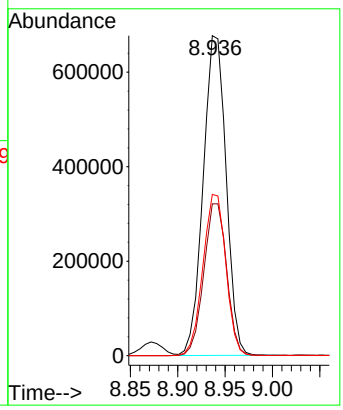
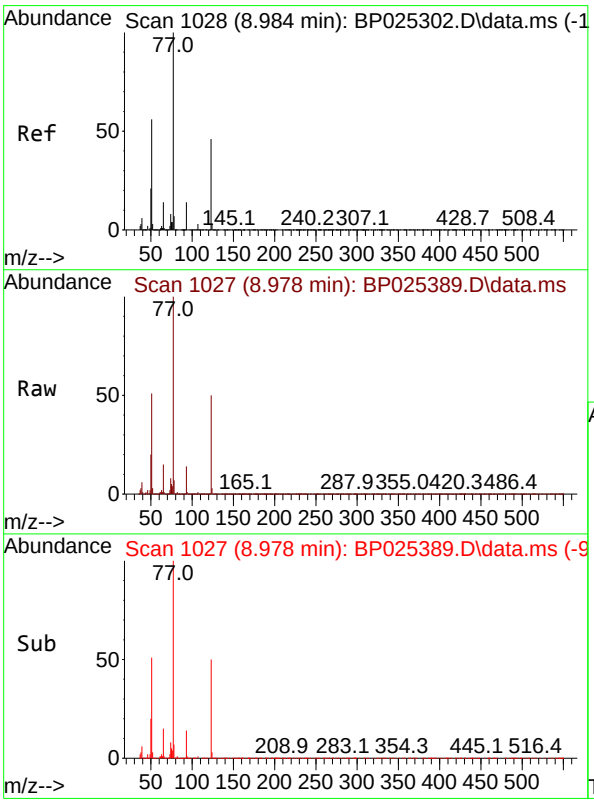
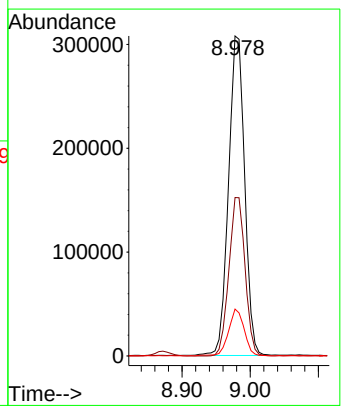


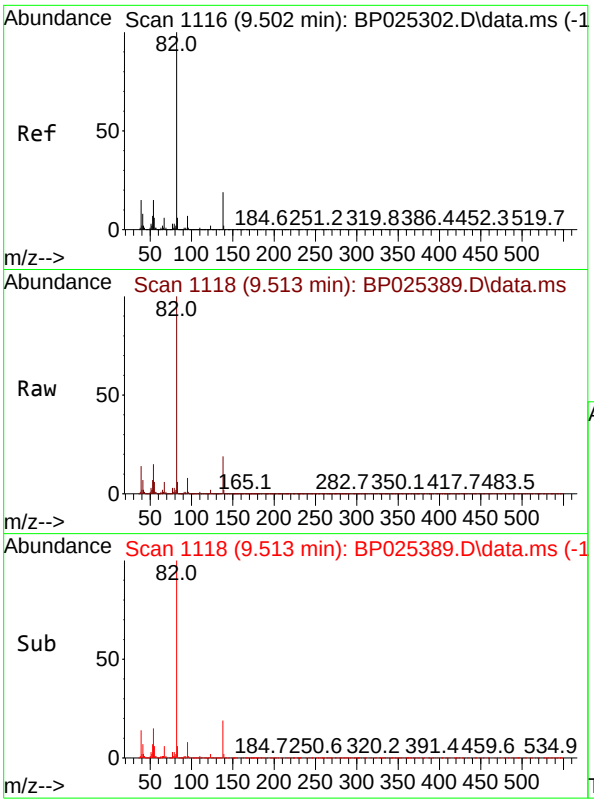


#24
Nitrobenzene
Concen: 40.347 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 77 Resp: 507543

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.4	56.2
65	14.7	11.1	16.7

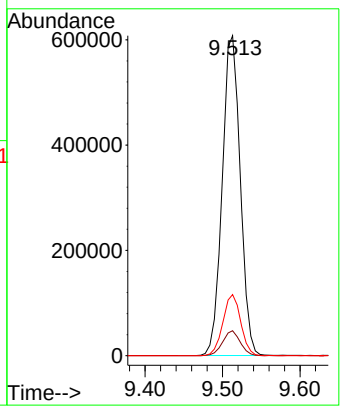




#25
Isophorone
Concen: 37.145 ng
RT: 9.513 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 82 Resp: 98257

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.7	8.5
138	19.1	15.0	22.6



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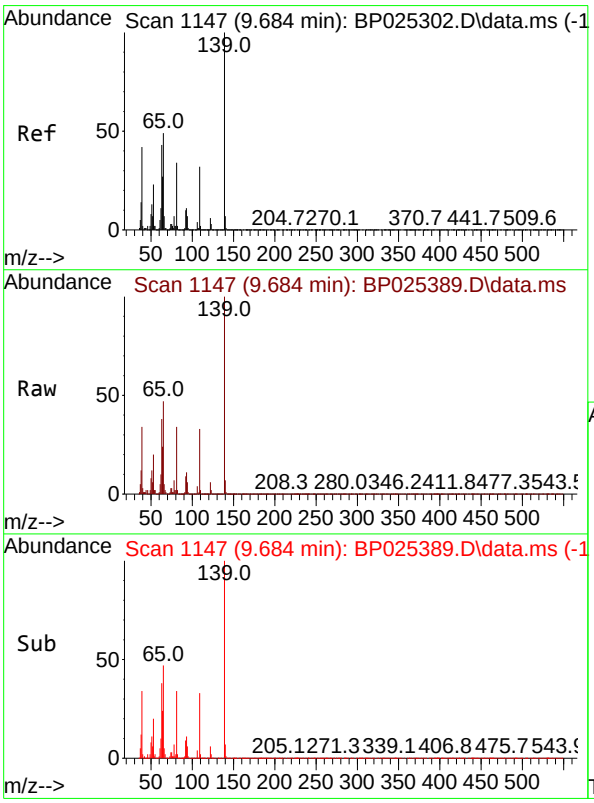
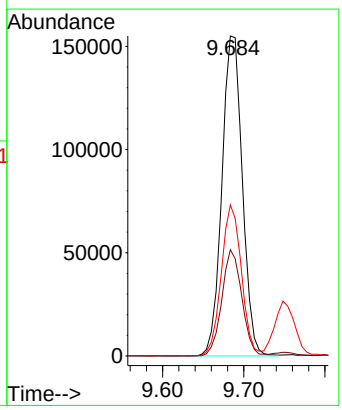
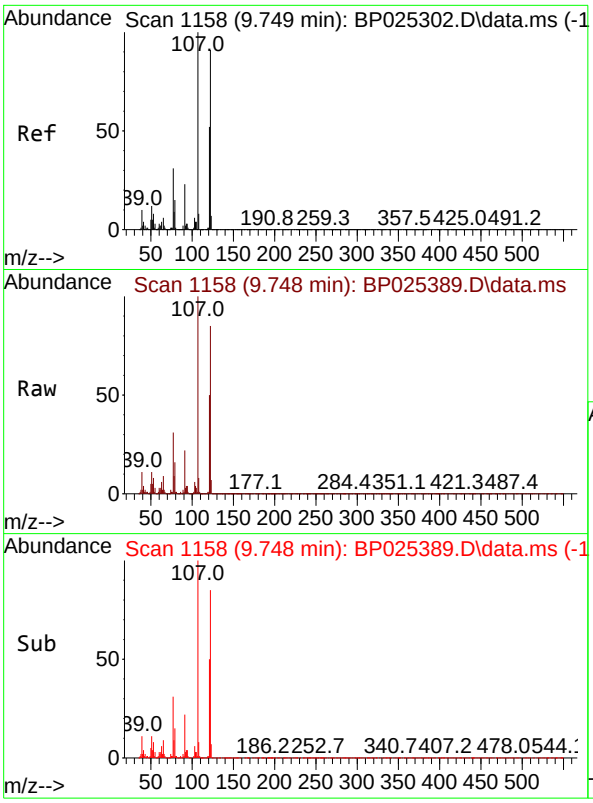


#26
2-Nitrophenol
Concen: 49.472 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:139 Resp: 271753

Ion	Ratio	Lower	Upper
139	100		
109	33.2	25.2	37.8
65	47.2	39.6	59.4





#27
2,4-Dimethylphenol
Concen: 37.378 ng
RT: 9.748 min Scan# 11
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:122 Resp: 45584

Ion	Ratio	Lower	Upper
122	100		
107	117.6	87.4	131.0
121	58.7	45.8	68.8

Instrument :
BNA_P
ClientSampleId :
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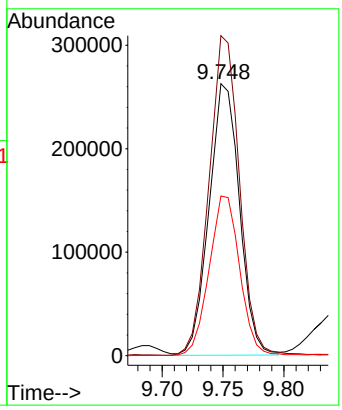
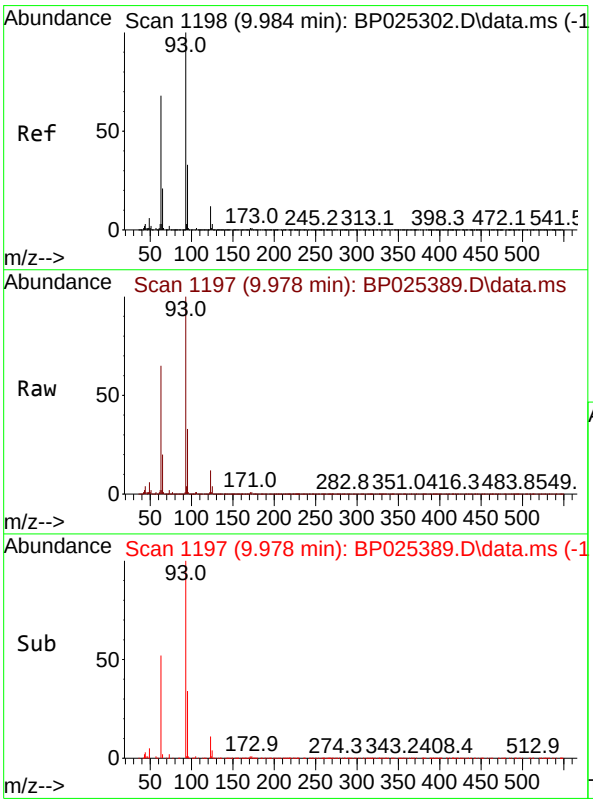
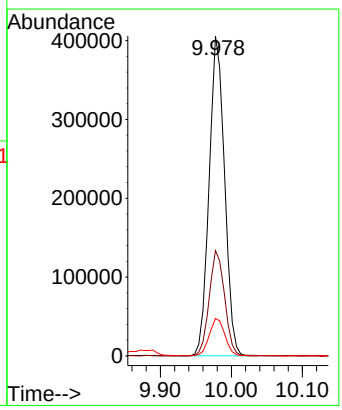


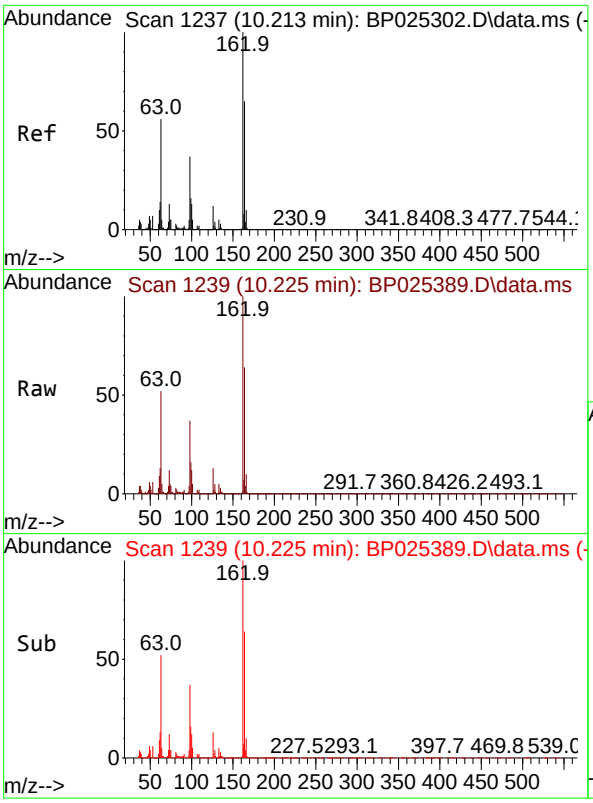


#28
bis(2-Chloroethoxy)methane
Concen: 38.140 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 93 Resp: 613737

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	11.7	9.4	14.2

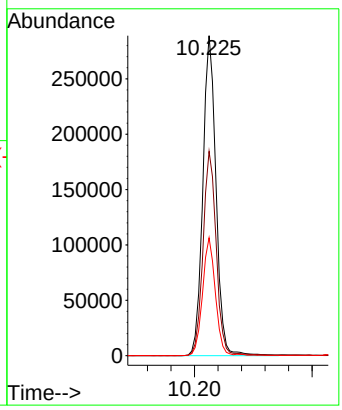




#29
2,4-Dichlorophenol
Concen: 42.216 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:162 Resp: 45074

Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.2	85.2
98	36.8	17.5	57.5



Instrument :
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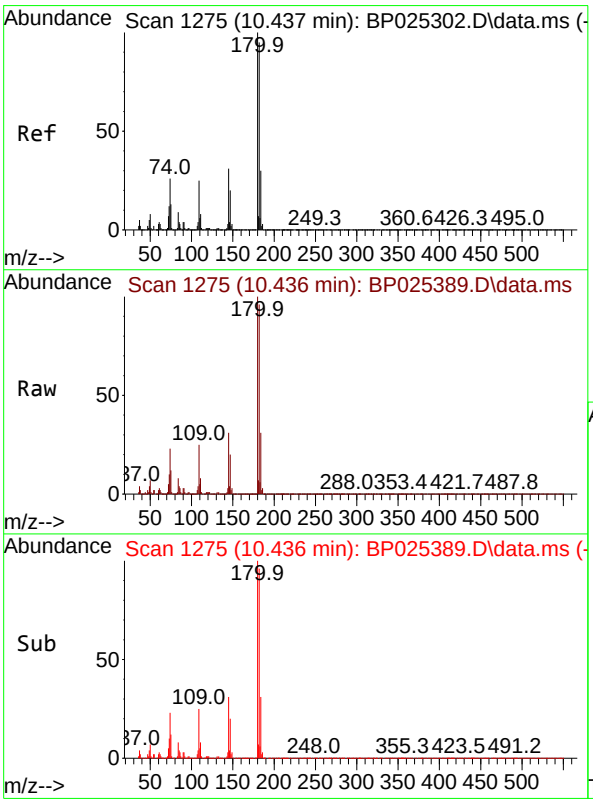
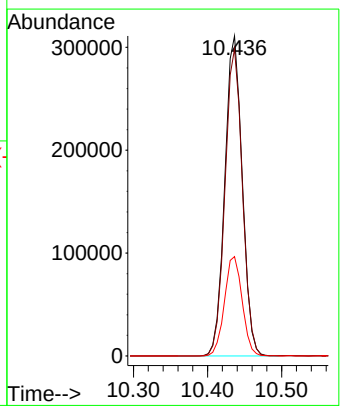
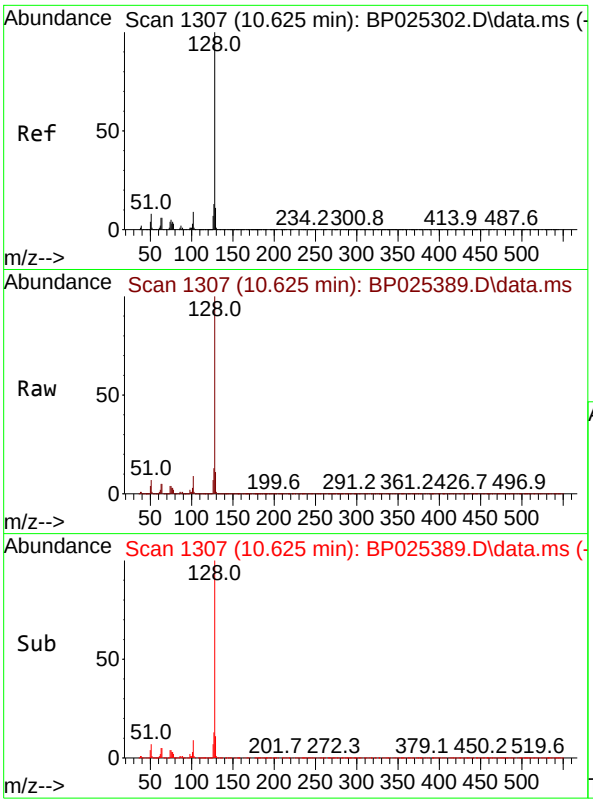


#30
1,2,4-Trichlorobenzene
Concen: 43.152 ng
RT: 10.436 min Scan# 1275
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:180 Resp: 508300

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	31.1	25.0	37.4

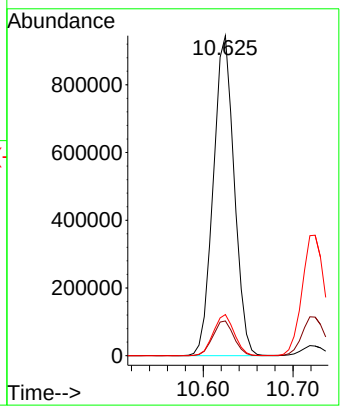




#31
Naphthalene
Concen: 39.968 ng
RT: 10.625 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:128 Resp: 152752

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.8	10.4	15.6



Instrument :
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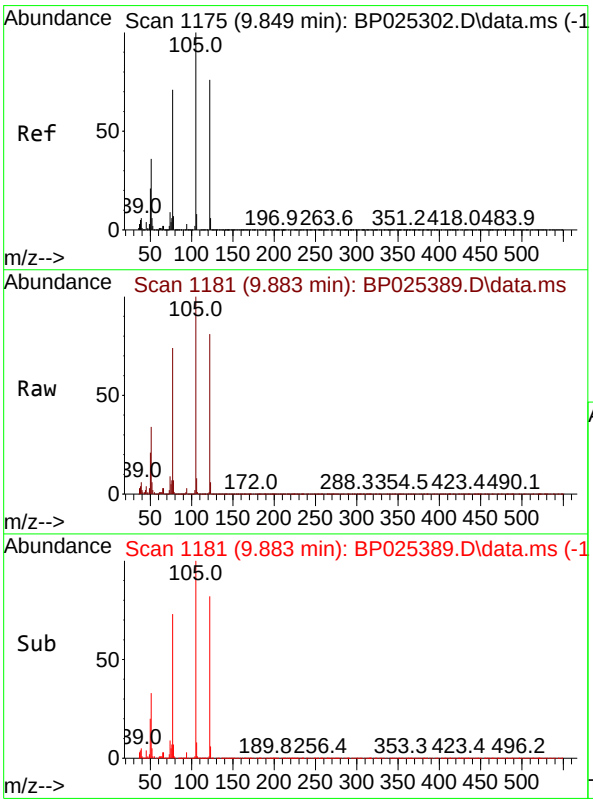
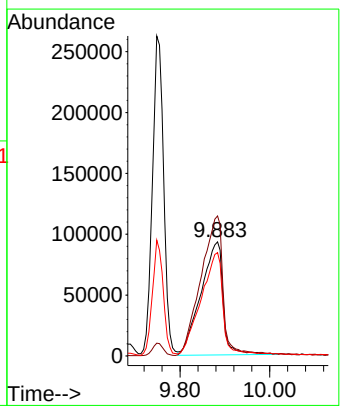
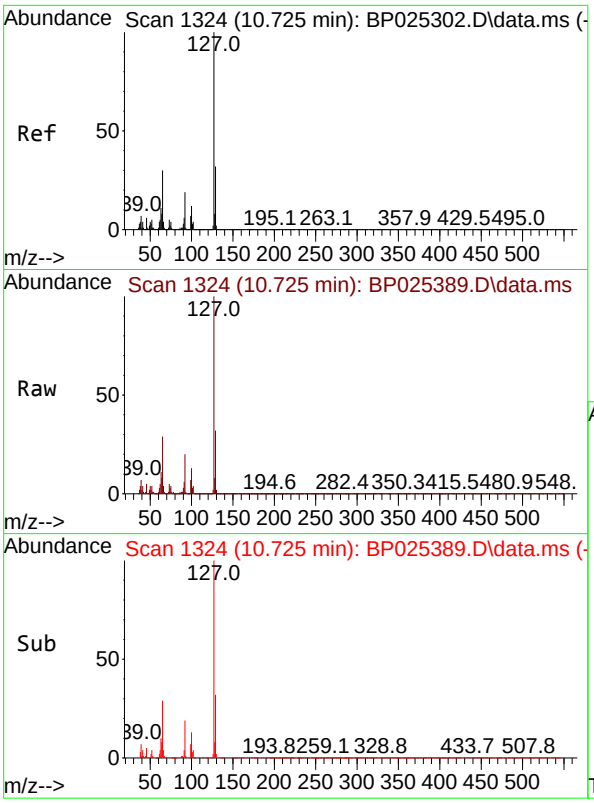


#32
Benzoic acid
Concen: 46.453 ng
RT: 9.883 min Scan# 1181
Delta R.T. 0.034 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:122 Resp: 318796

Ion	Ratio	Lower	Upper
122	100		
105	122.7	104.0	144.0
77	90.7	71.8	111.8

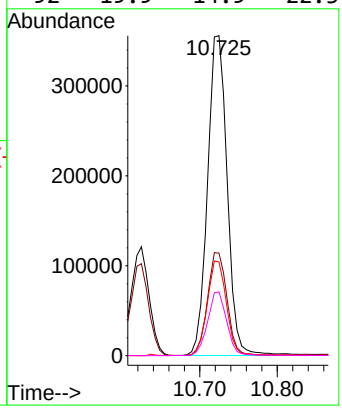




#33
4-Chloroaniline
Concen: 36.824 ng
RT: 10.725 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:127 Resp: 62593

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	29.3	23.6	35.4
92	19.9	14.9	22.3



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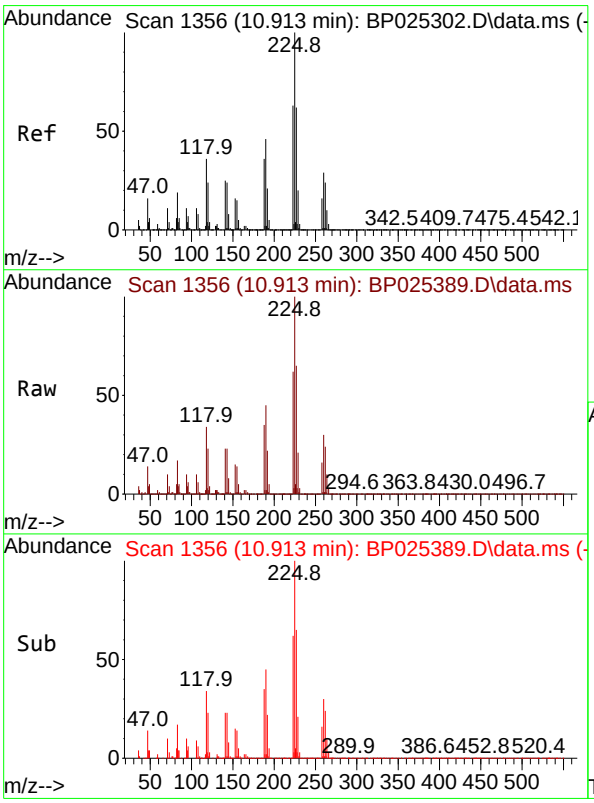
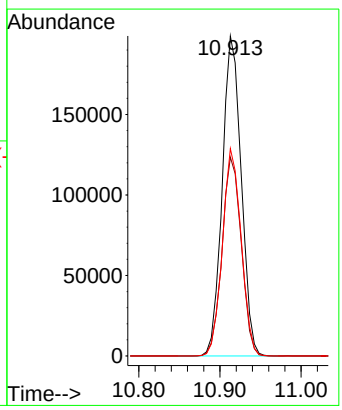
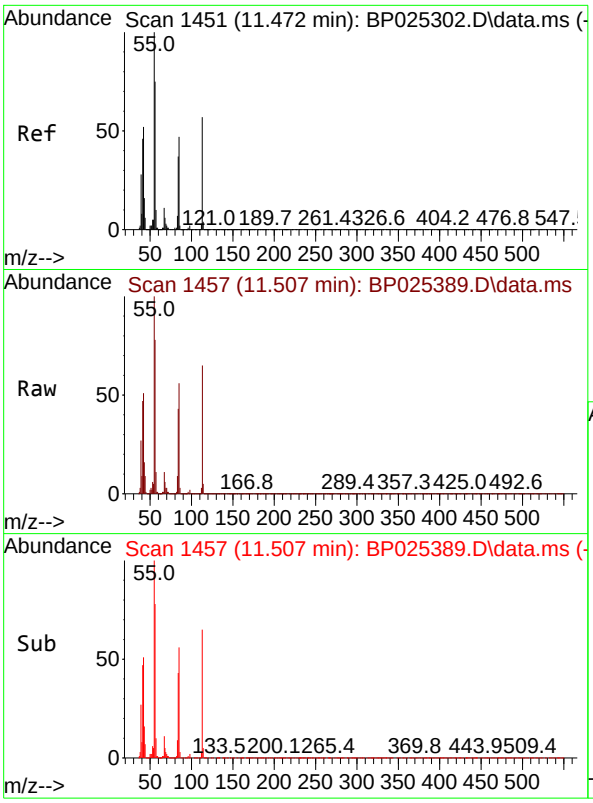


#34
Hexachlorobutadiene
Concen: 47.747 ng
RT: 10.913 min Scan# 1356
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:225 Resp: 322850

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.3	75.5
227	64.8	49.7	74.5

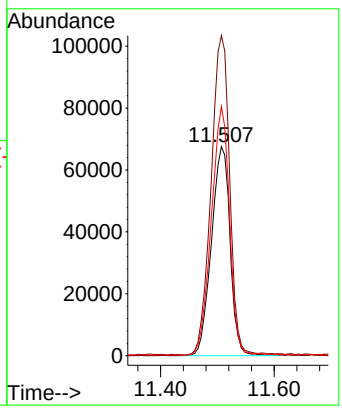




#35
Caprolactam
Concen: 37.085 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:113 Resp: 15360

Ion	Ratio	Lower	Upper
113	100		
55	153.0	154.4	194.4
56	119.2	110.9	150.9



Instrument :
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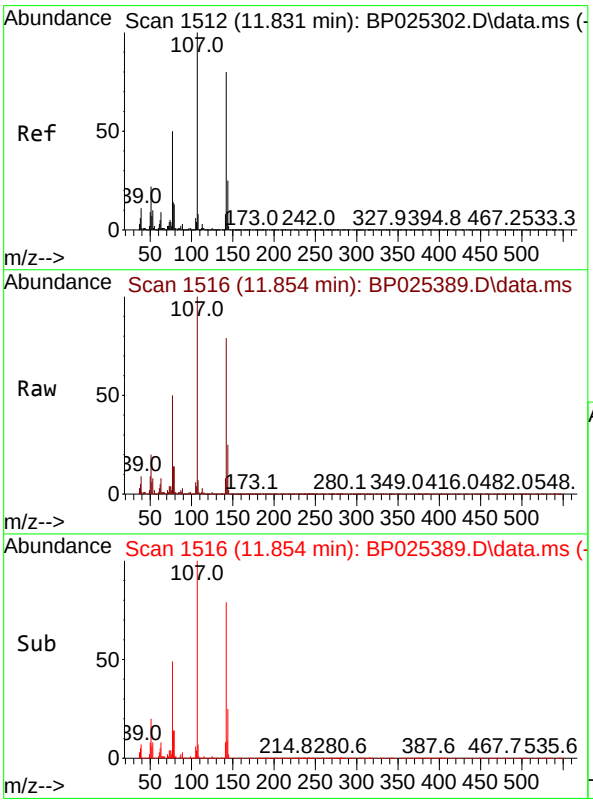
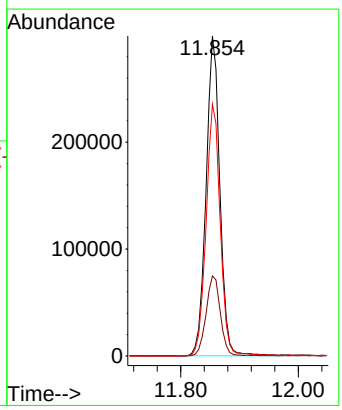
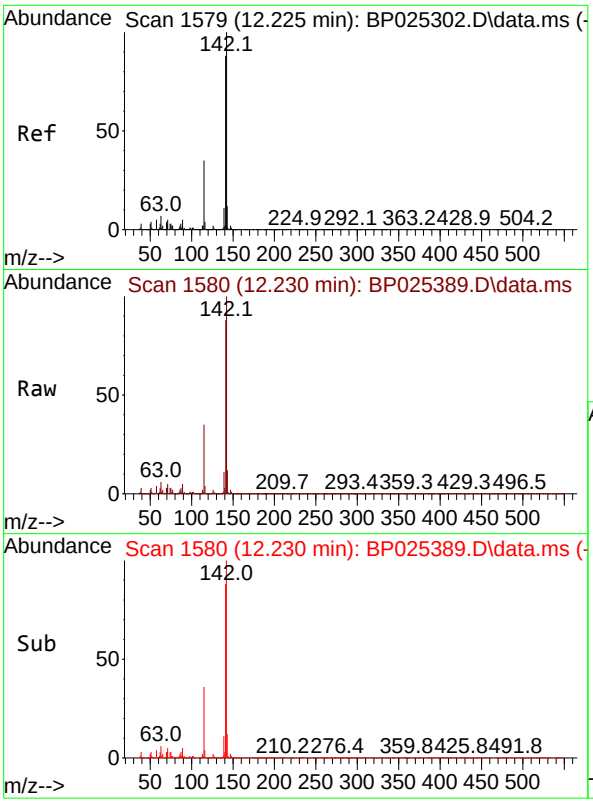


#36
4-Chloro-3-methylphenol
Concen: 39.346 ng
RT: 11.854 min Scan# 1516
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:107 Resp: 486095

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	78.7	63.7	95.5

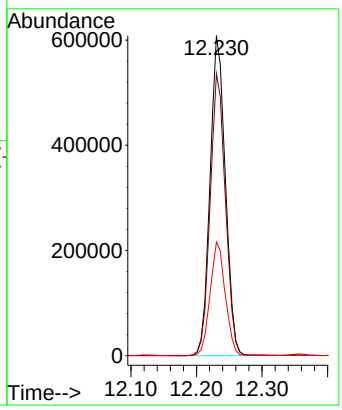




#37
2-Methylnaphthalene
Concen: 39.851 ng
RT: 12.230 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:142 Resp: 98581

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	35.5	28.0	42.0



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ClientSampleId :
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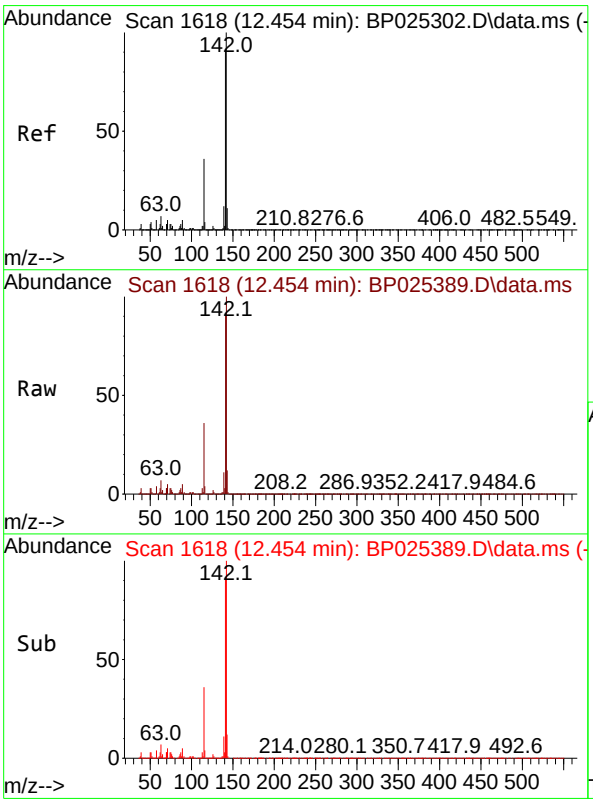
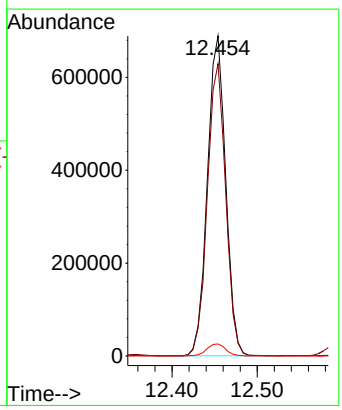
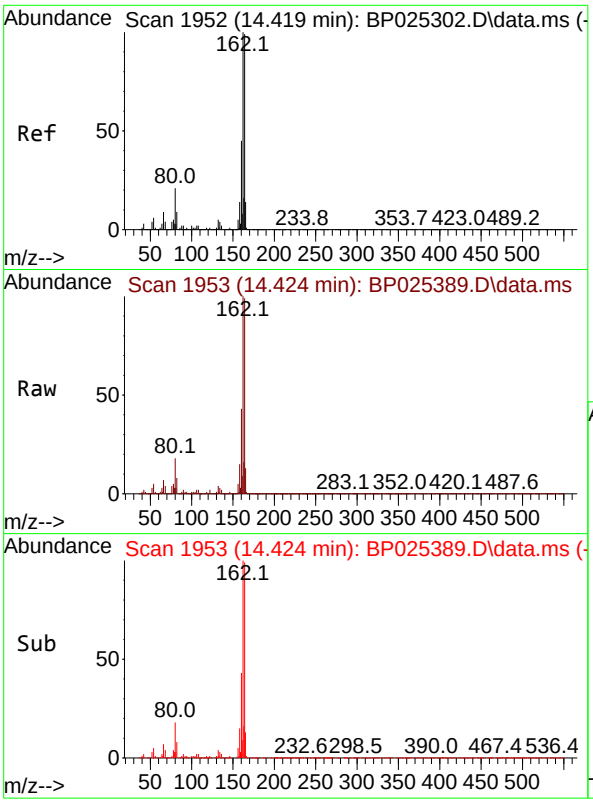


#38
1-Methylnaphthalene
Concen: 39.802 ng
RT: 12.454 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:142 Resp: 1027342

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
116	3.8	3.0	4.6

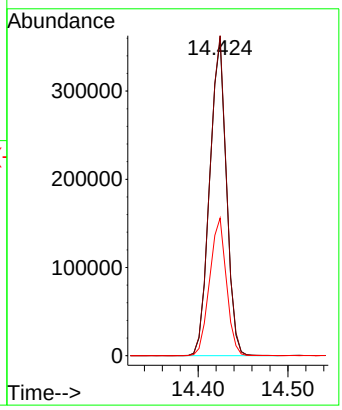




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:164 Resp: 46339

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	43.5	35.9	53.9



Instrument :
BNA_P
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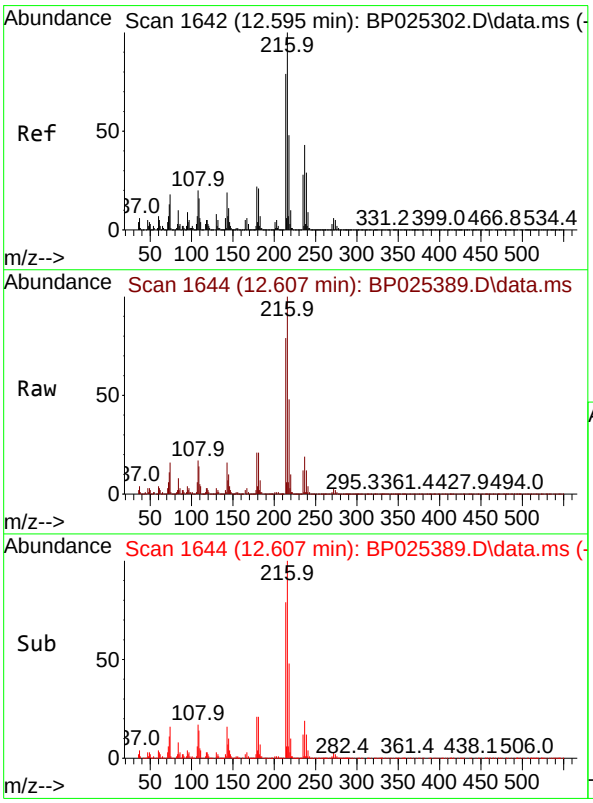
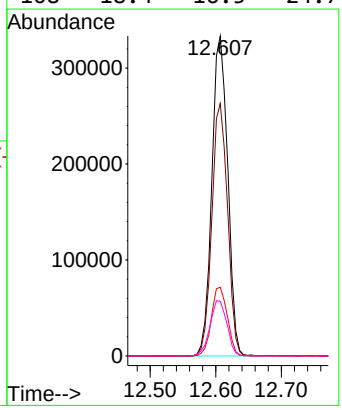
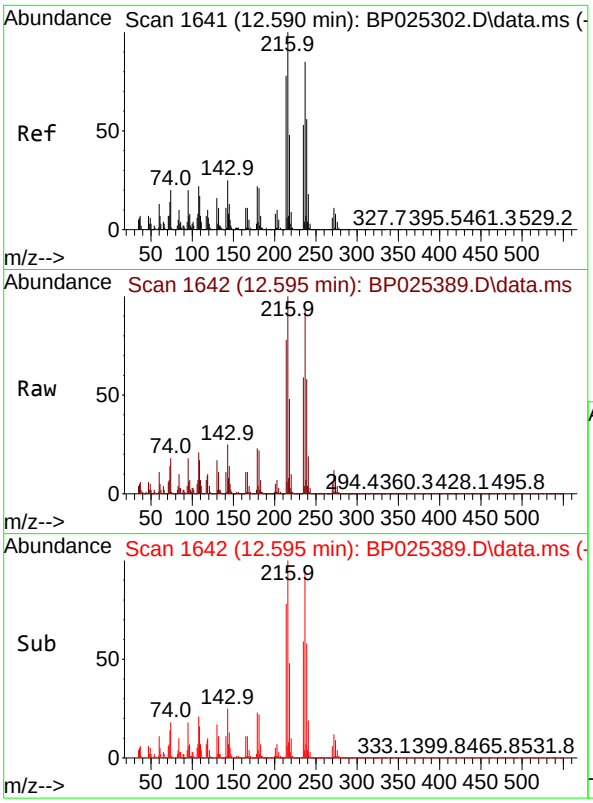


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.214 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:216 Resp: 559369

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.4	93.6
179	21.6	17.5	26.3
108	18.4	16.5	24.7





#41
Hexachlorocyclopentadiene
Concen: 38.353 ng
RT: 12.595 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:237 Resp: 29947

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.2	82.2
272	13.2	0.0	32.8

Instrument :
BNA_P
ClientSampleId :
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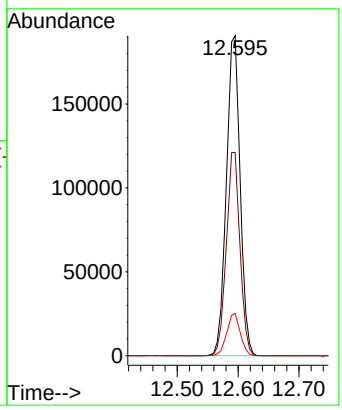
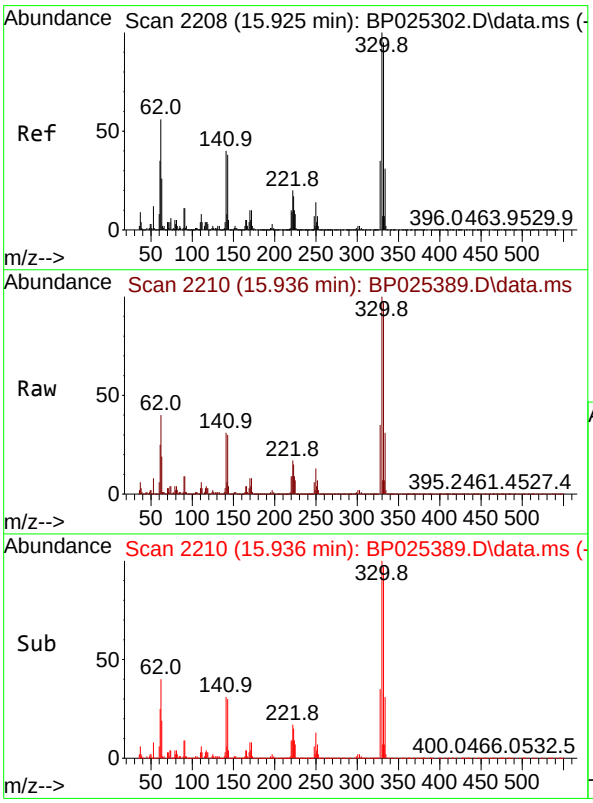
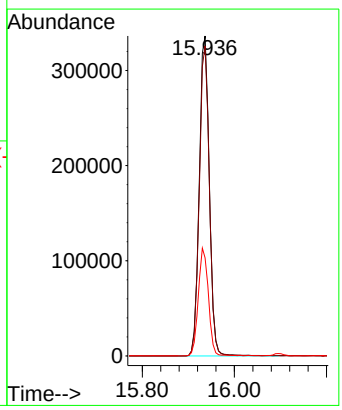


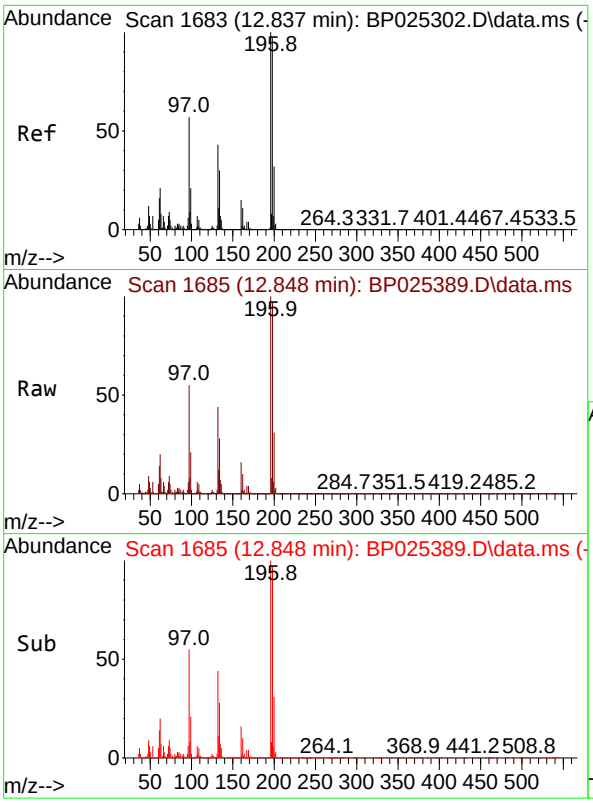


#42
2,4,6-Tribromophenol
Concen: 110.873 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:330 Resp: 512553

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	33.6	31.7	47.5

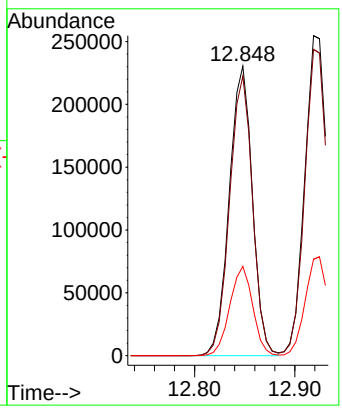




#43
2,4,6-Trichlorophenol
Concen: 45.134 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:196 Resp: 36887

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.3	115.9
200	30.8	25.4	38.2



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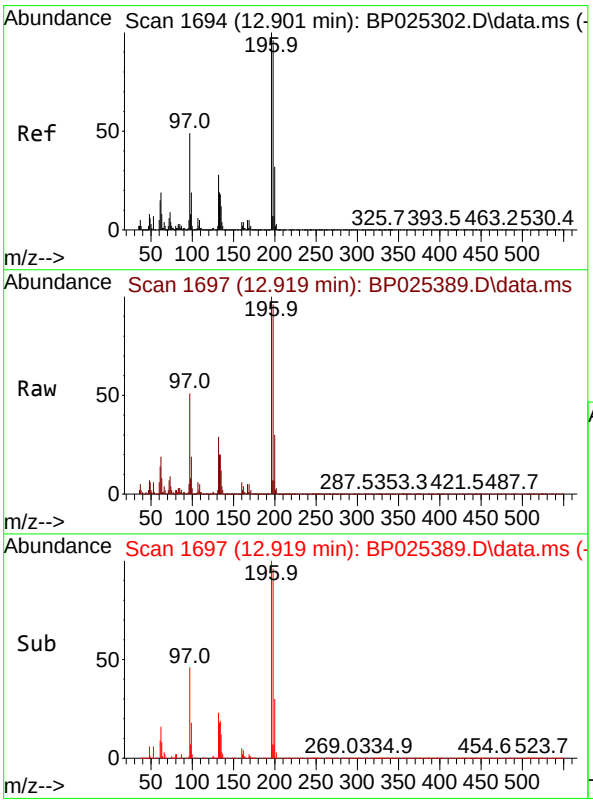
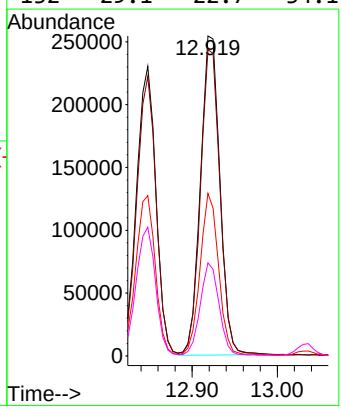
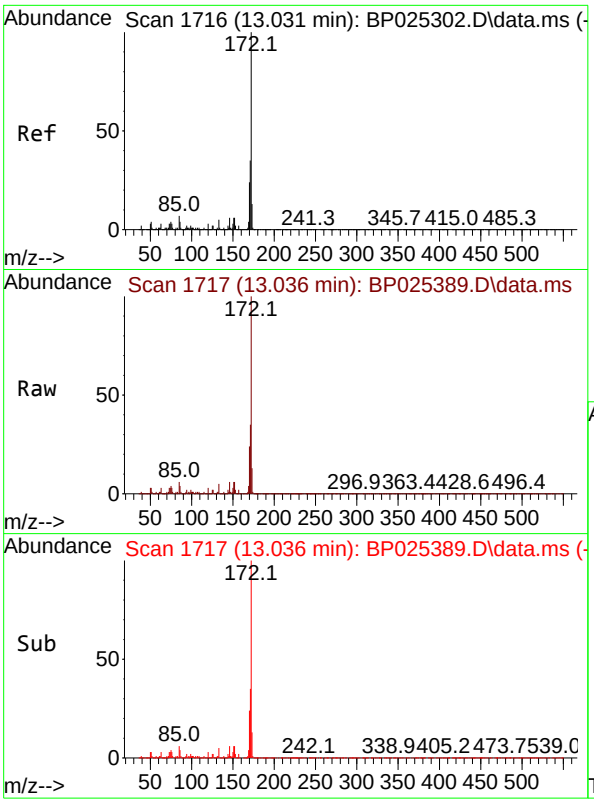


#44
2,4,5-Trichlorophenol
Concen: 43.925 ng
RT: 12.919 min Scan# 1697
Delta R.T. 0.018 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:196 Resp: 402704

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	50.8	39.5	59.3
132	29.1	22.7	34.1

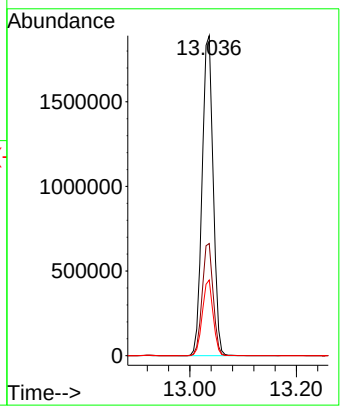




#45
2-Fluorobiphenyl
Concen: 80.900 ng
RT: 13.036 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:172 Resp: 271418

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.7	18.9	28.3



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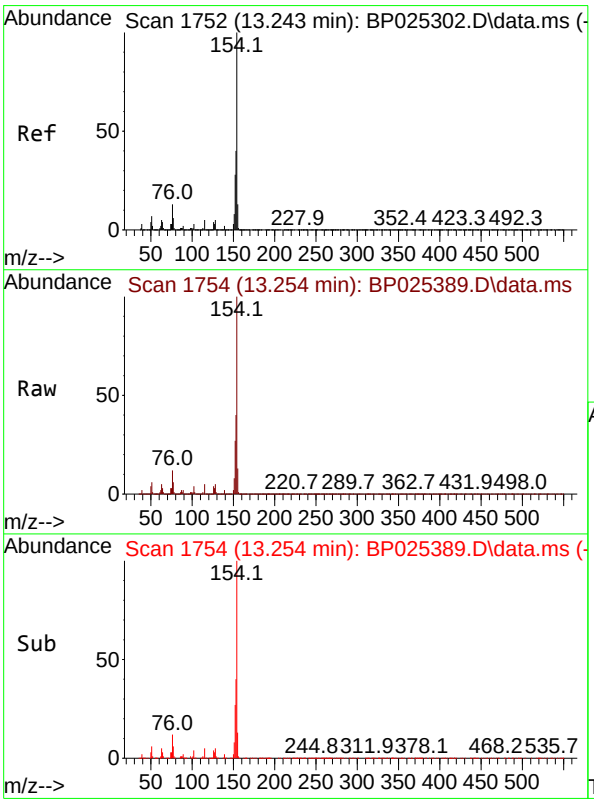
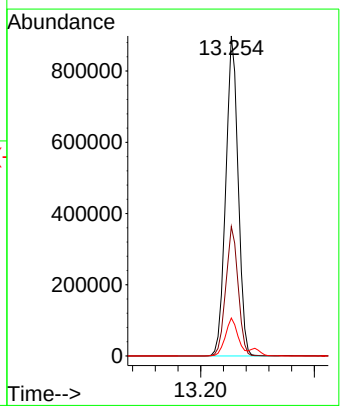
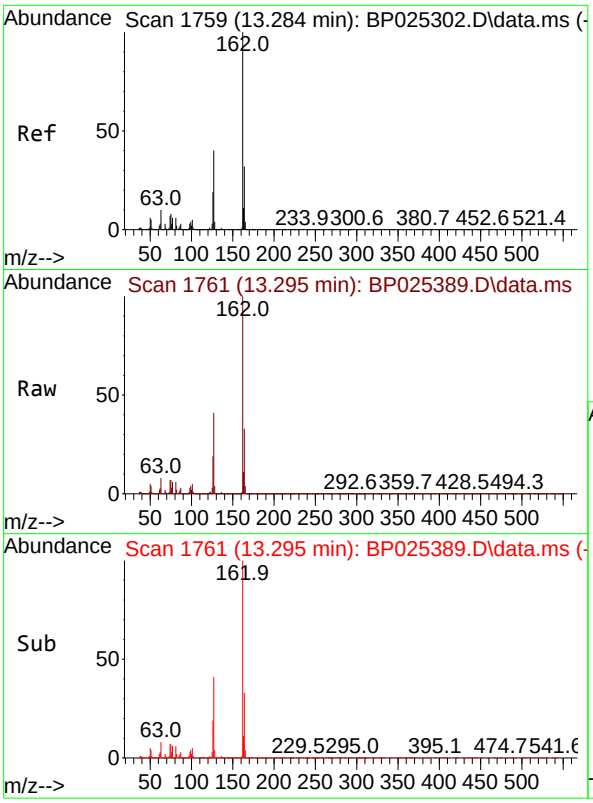


#46
1,1'-Biphenyl
Concen: 39.928 ng
RT: 13.254 min Scan# 1754
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:154 Resp: 1363544

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.9	59.9
76	11.9	0.0	33.2

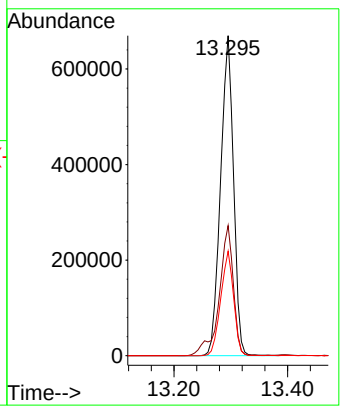




#47
2-Chloronaphthalene
Concen: 40.884 ng
RT: 13.295 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:162 Resp: 106518

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.2	48.2
164	32.7	25.9	38.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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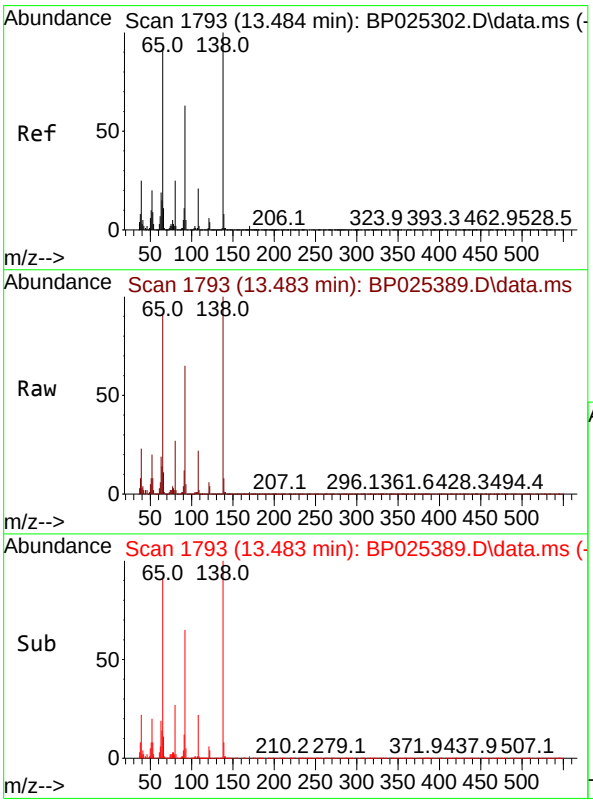
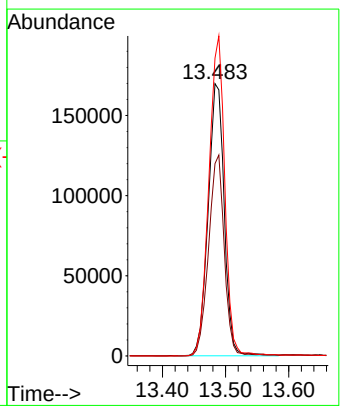
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

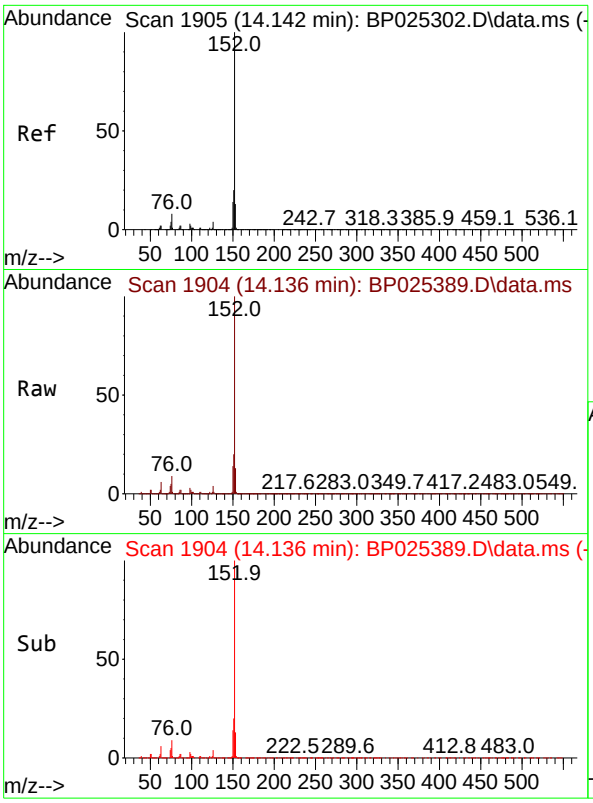


#48
2-Nitroaniline
Concen: 39.849 ng
RT: 13.483 min Scan# 1793
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 65 Resp: 300035

Ion	Ratio	Lower	Upper
65	100		
92	70.6	54.4	81.6
138	109.3	87.0	130.4

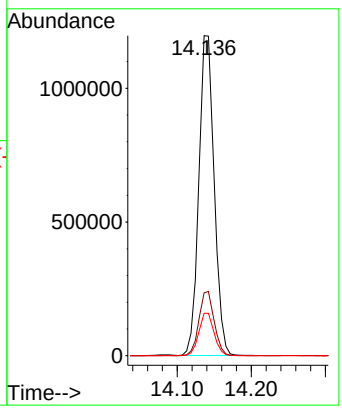




#49
Acenaphthylene
Concen: 39.622 ng
RT: 14.136 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:152 Resp: 172191

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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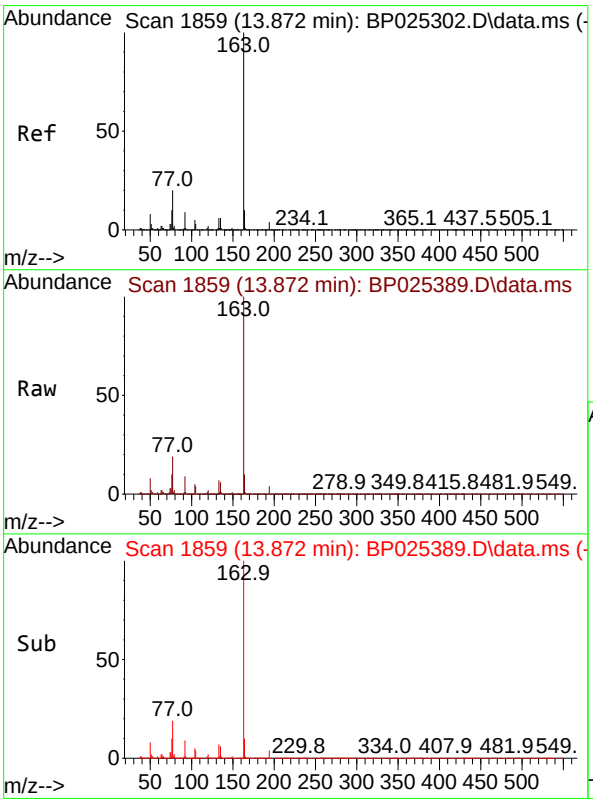
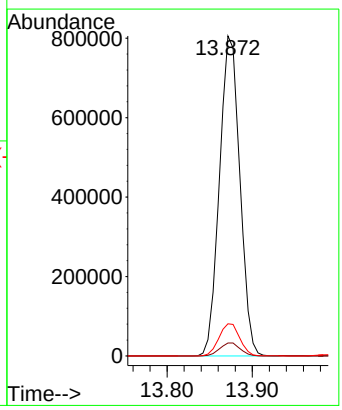
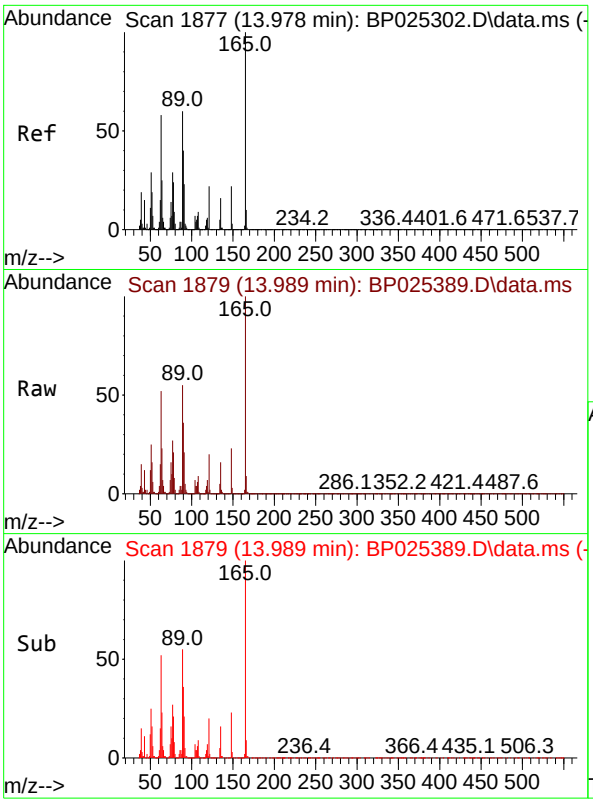


#50
Dimethylphthalate
Concen: 39.703 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:163 Resp: 1341204

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0

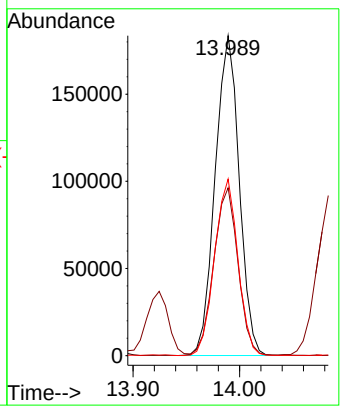




#51
2,6-Dinitrotoluene
Concen: 46.139 ng
RT: 13.989 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:165 Resp: 28749

Ion	Ratio	Lower	Upper
165	100		
63	52.5	47.6	71.4
89	55.2	47.8	71.8



Instrument :
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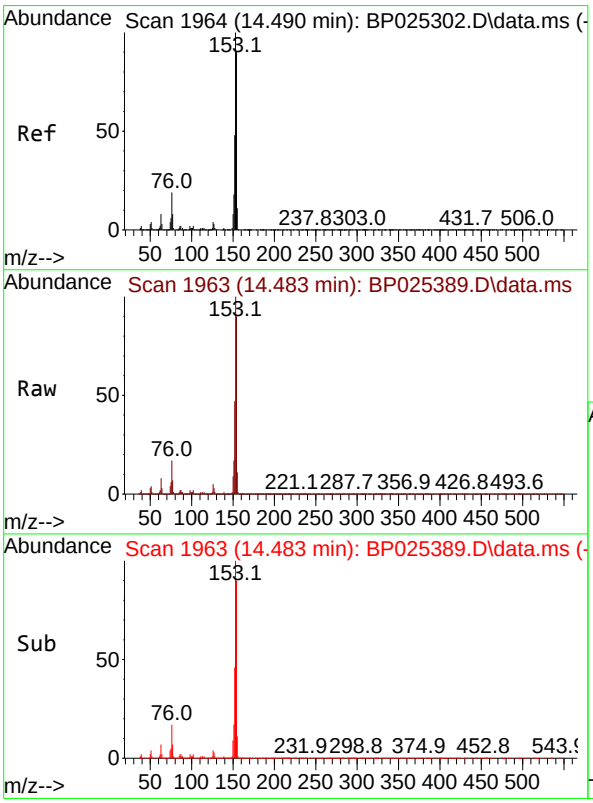
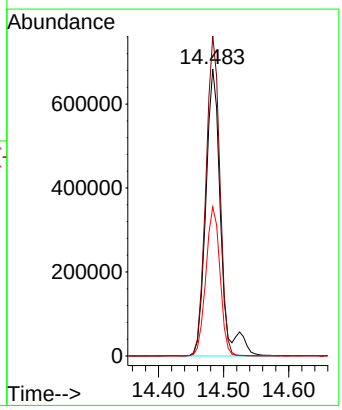
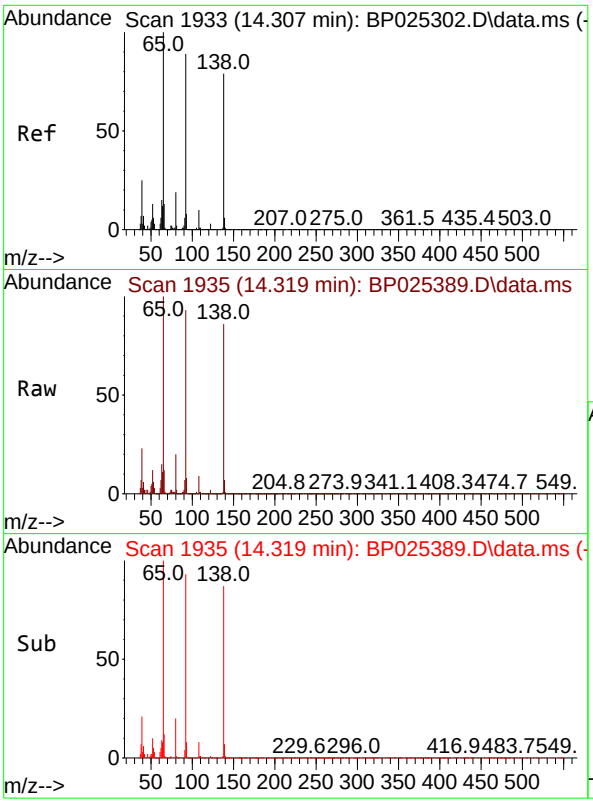


#52
Acenaphthene
Concen: 40.905 ng m
RT: 14.483 min Scan# 1963
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:154 Resp: 1084324

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.4	134.0
152	52.0	43.0	64.6





#53
3-Nitroaniline
Concen: 42.464 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 30961

Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.5	15.7
92	107.7	90.9	136.3

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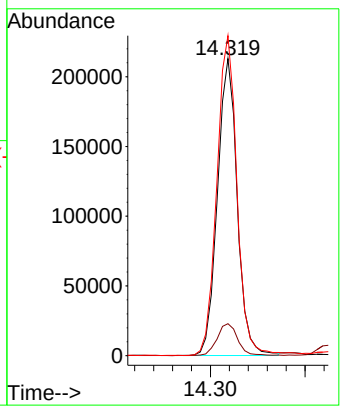
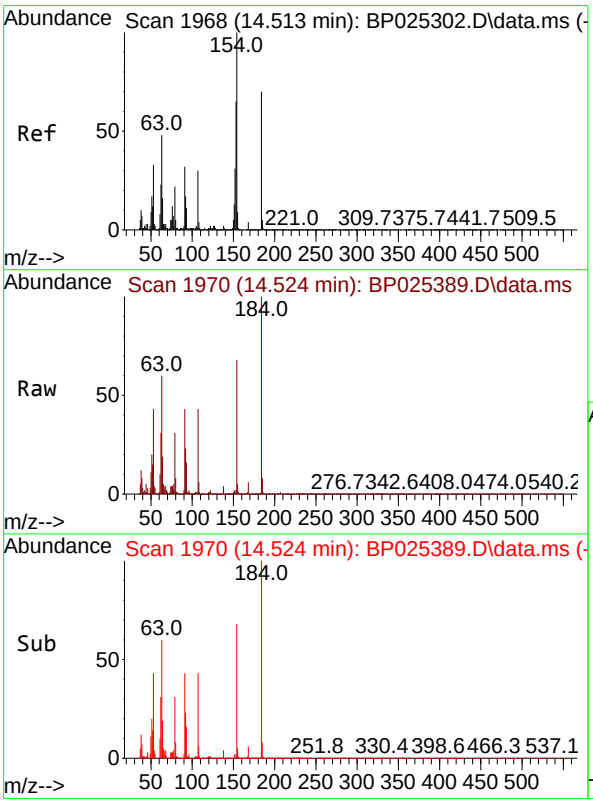
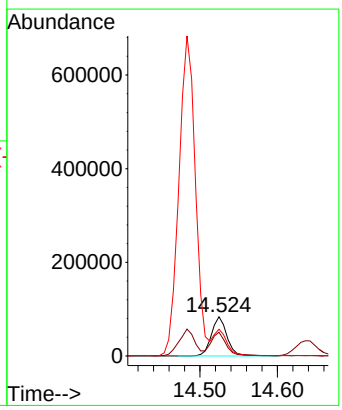


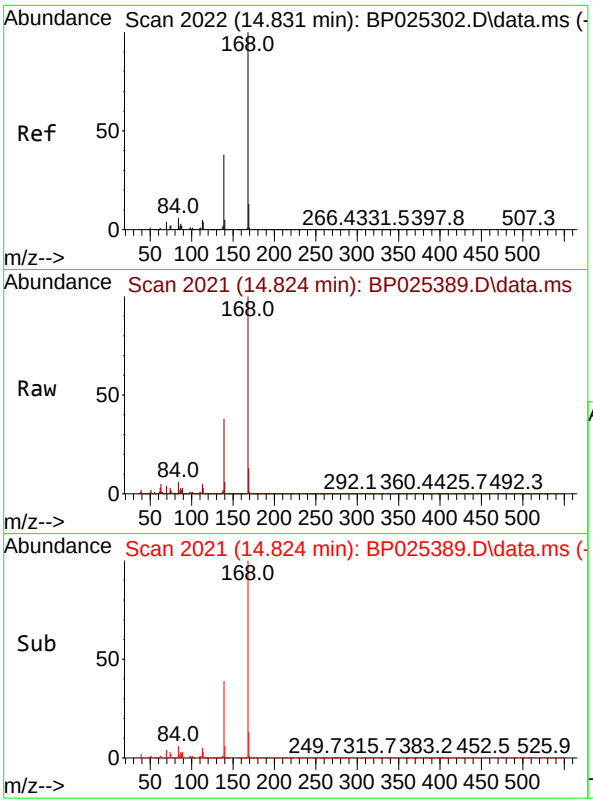


#54
2,4-Dinitrophenol
Concen: 46.258 ng
RT: 14.524 min Scan# 1970
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:184 Resp: 117674

Ion	Ratio	Lower	Upper
184	100		
63	60.5	56.3	84.5
154	68.2	124.5	186.7#

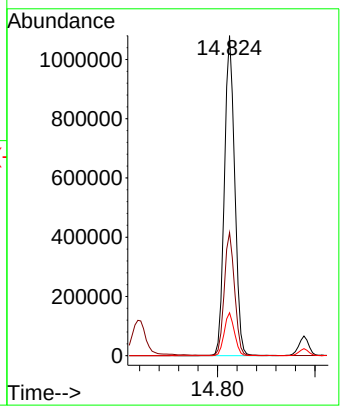




#55
Dibenzofuran
Concen: 40.249 ng
RT: 14.824 min Scan# 2
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:168 Resp: 159441

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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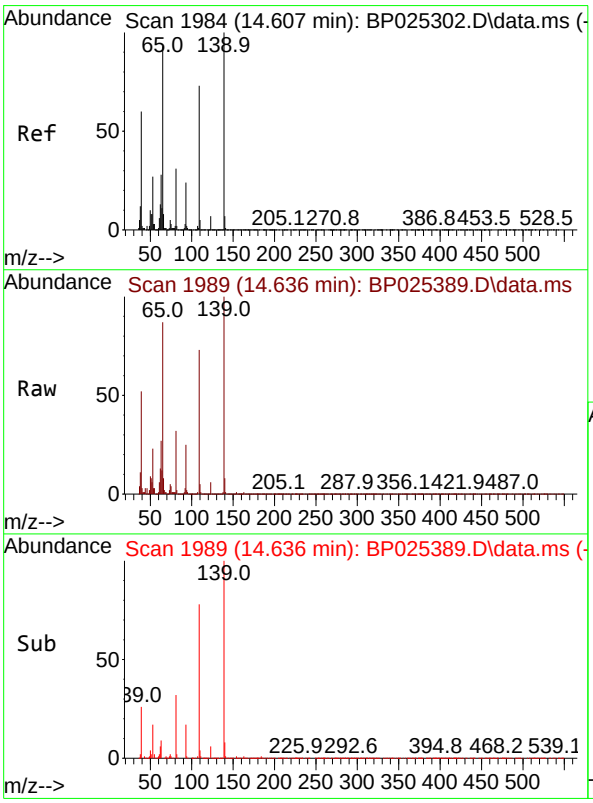
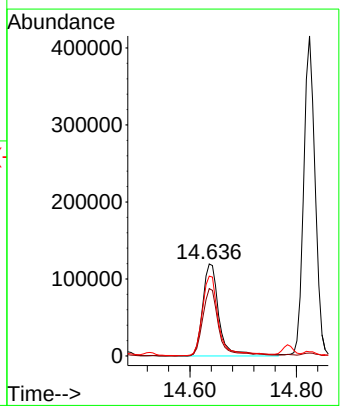
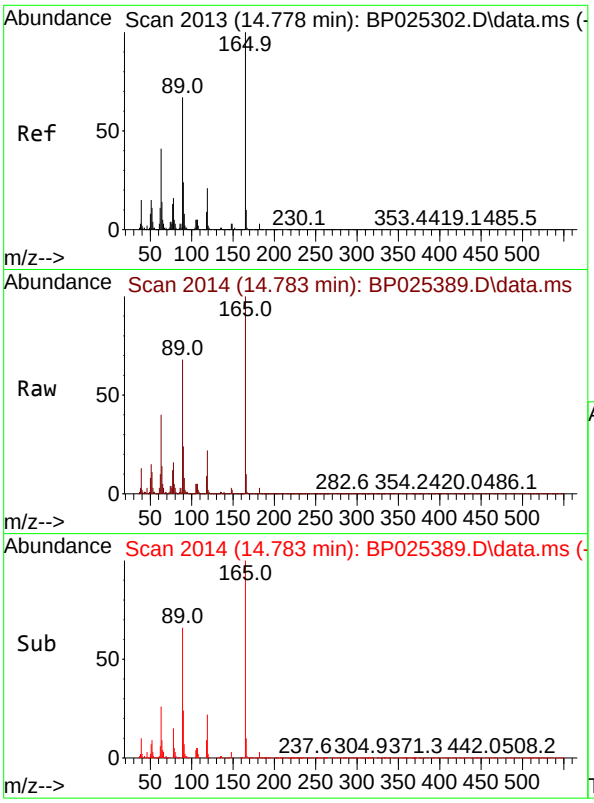


#56
4-Nitrophenol
Concen: 39.388 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:139 Resp: 253454

Ion	Ratio	Lower	Upper
139	100		
109	73.3	52.7	92.7
65	86.9	73.4	113.4

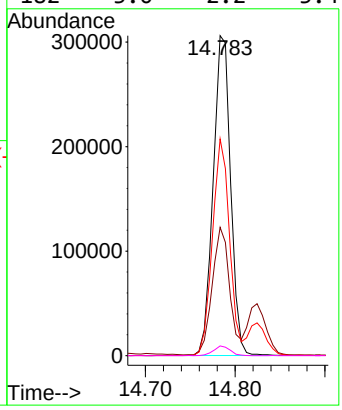




#57
2,4-Dinitrotoluene
Concen: 43.163 ng
RT: 14.783 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:165 Resp: 41351

Ion	Ratio	Lower	Upper
165	100		
63	40.1	33.2	49.8
89	67.7	53.5	80.3
182	3.0	2.2	3.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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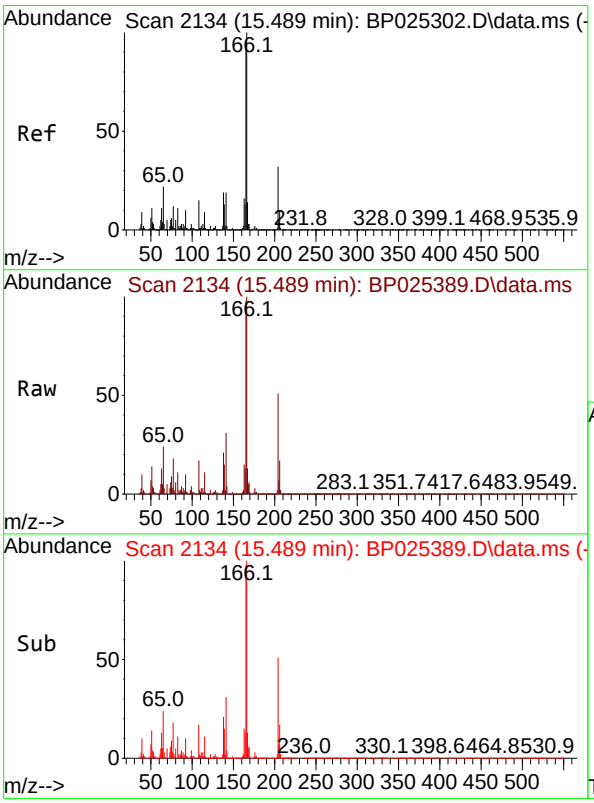
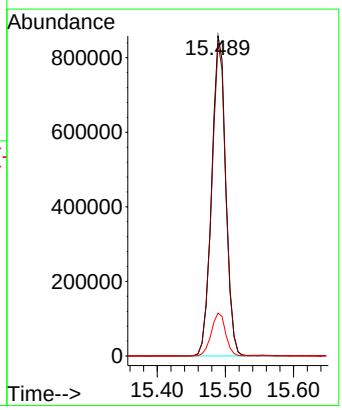
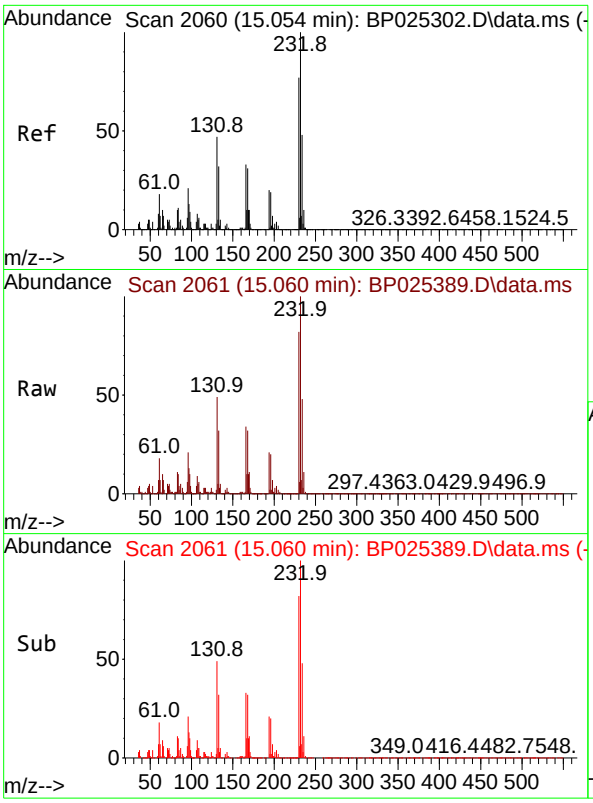


#58
Fluorene
Concen: 39.744 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:166 Resp: 1236568

Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.7	115.1
167	13.4	10.9	16.3

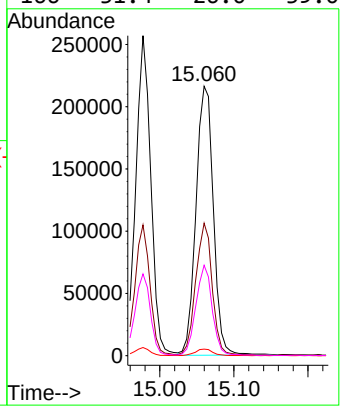




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.967 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:232 Resp: 35203

Ion	Ratio	Lower	Upper
232	100		
131	47.0	39.3	58.9
130	2.6	2.2	3.2
166	31.4	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
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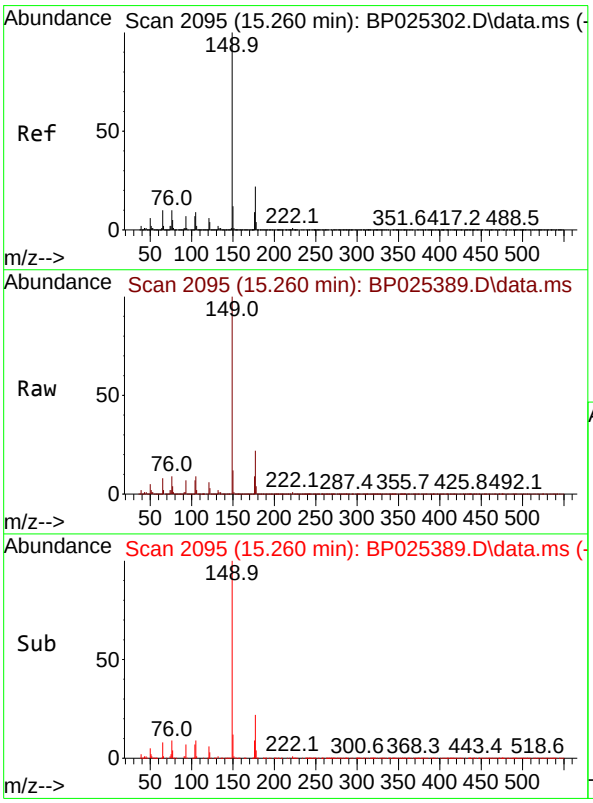
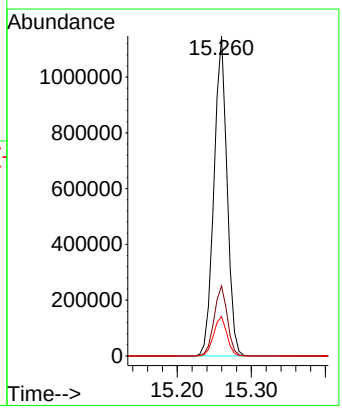
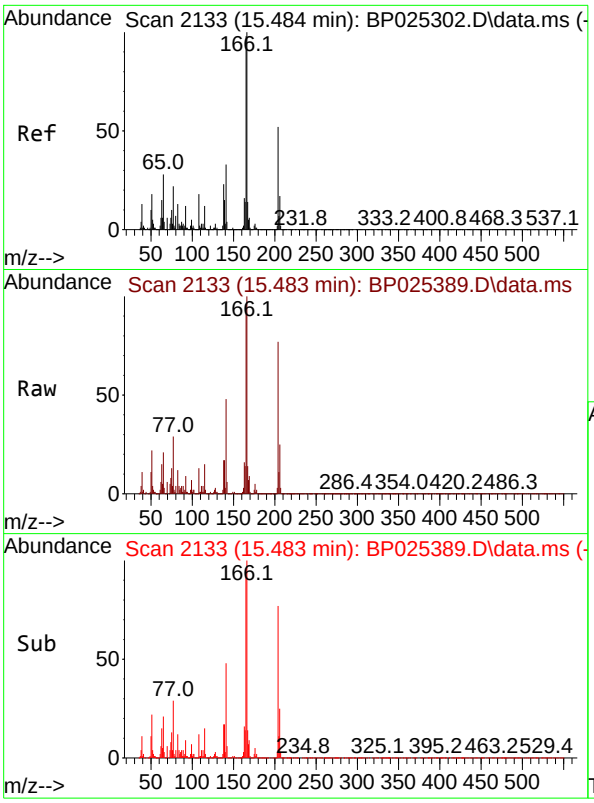


#60
Diethylphthalate
Concen: 41.263 ng
RT: 15.260 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 1405313

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.3	9.8	14.8

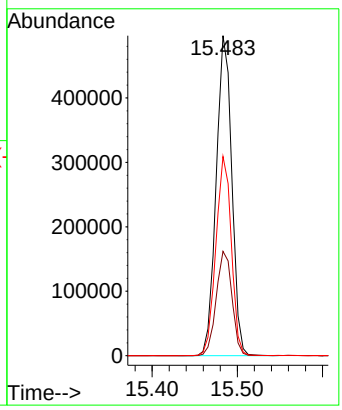




#61
4-Chlorophenyl-phenylether
Concen: 42.846 ng
RT: 15.483 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:204 Resp: 63198

Ion	Ratio	Lower	Upper
204	100		
206	32.6	27.0	40.4
141	62.2	50.3	75.5



Instrument :
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ClientSampleId :
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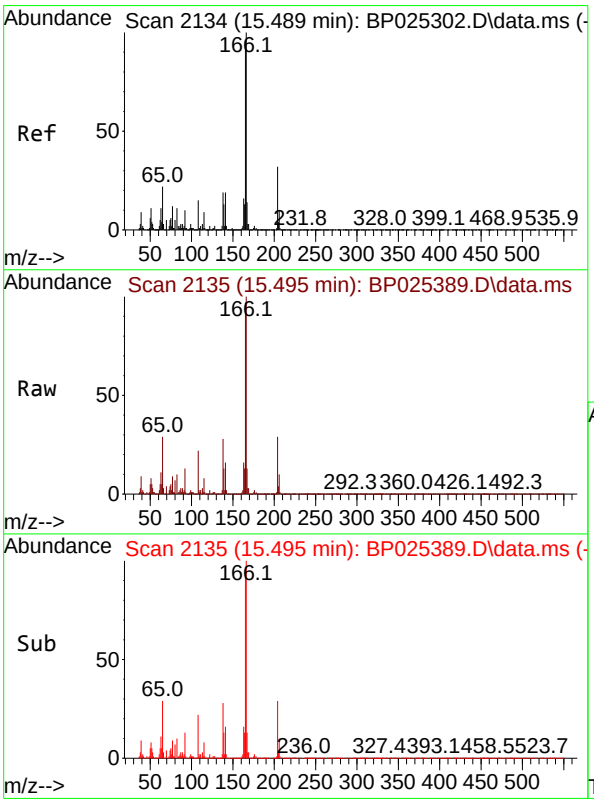
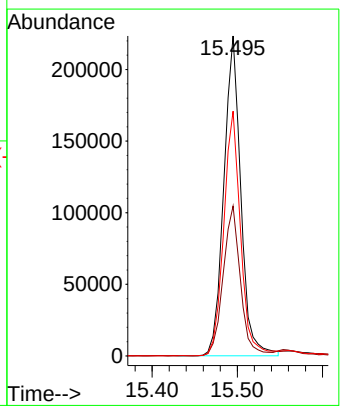
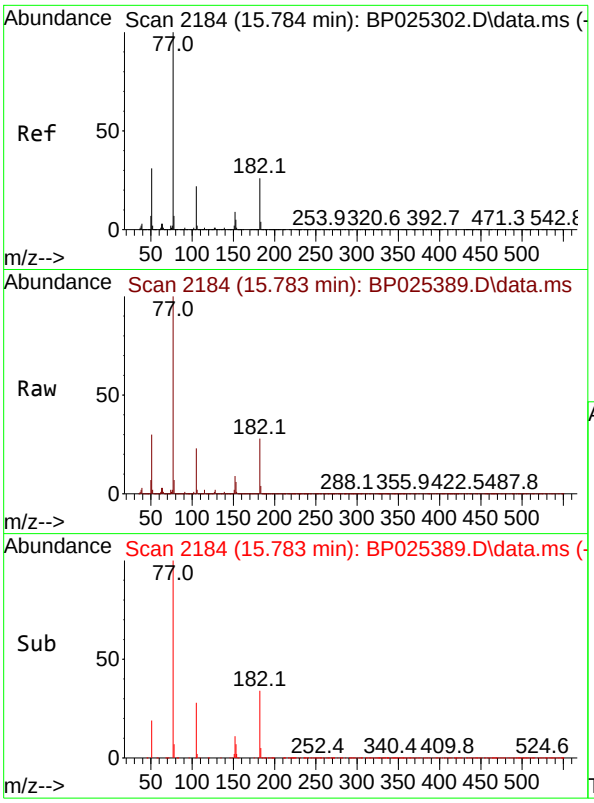


#62
4-Nitroaniline
Concen: 42.799 ng
RT: 15.495 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:138 Resp: 309199

Ion	Ratio	Lower	Upper
138	100		
92	46.9	29.8	69.8
108	76.5	56.6	96.6

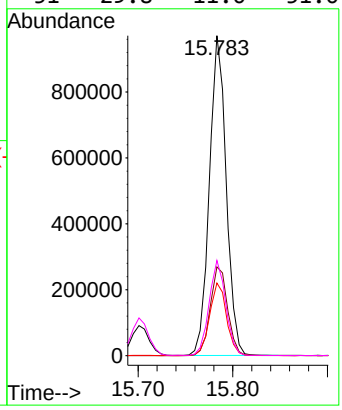




#63
Azobenzene
Concen: 37.708 ng
RT: 15.783 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 77 Resp: 119303

Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.0	46.0
105	22.7	2.1	42.1
51	29.8	11.0	51.0



Instrument :
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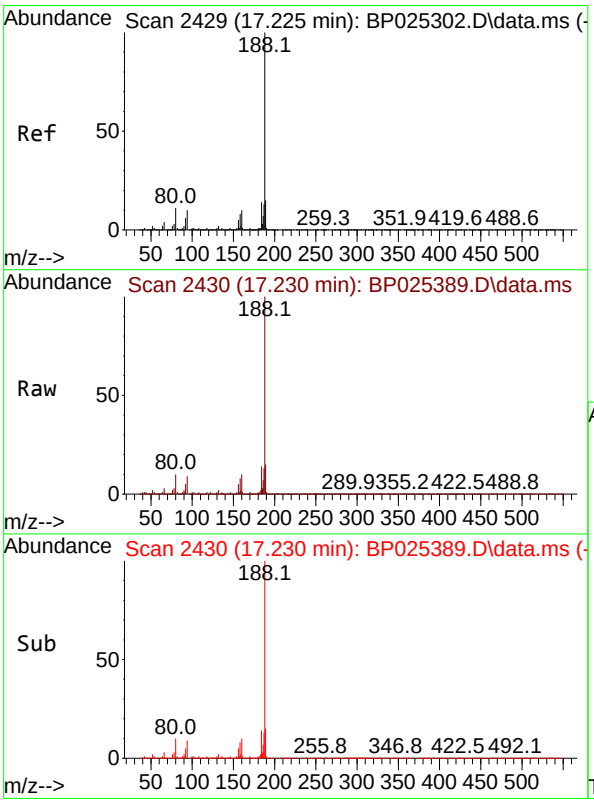
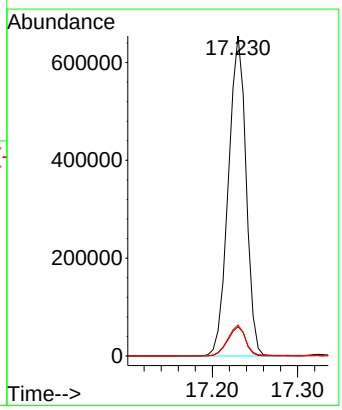
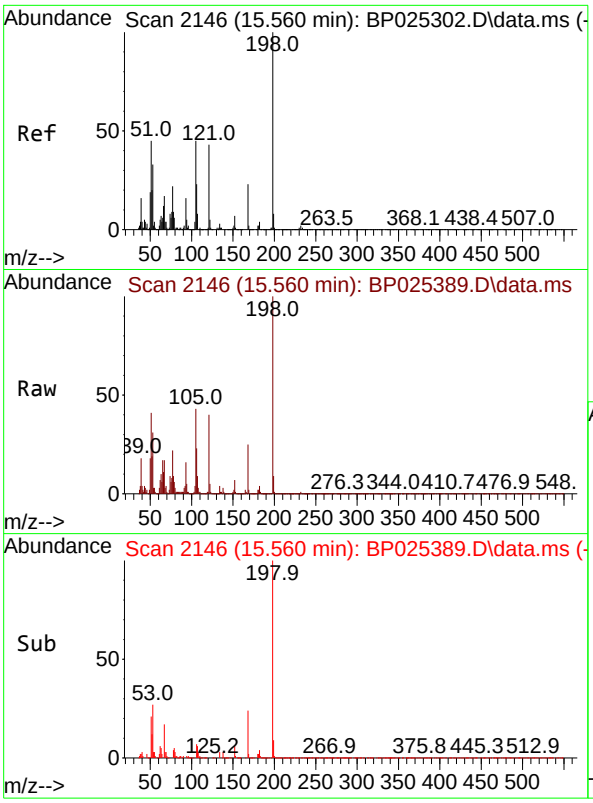


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2430
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:188 Resp: 942404

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.6	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 45.770 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:198 Resp: 18756

Ion	Ratio	Lower	Upper
198	100		
51	41.2	26.7	66.7
105	42.6	25.6	65.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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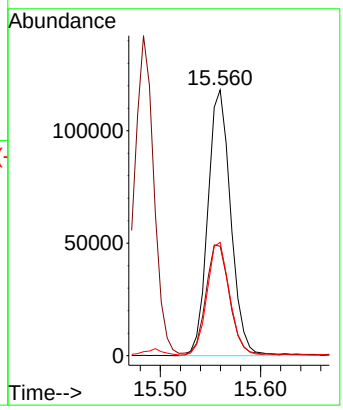
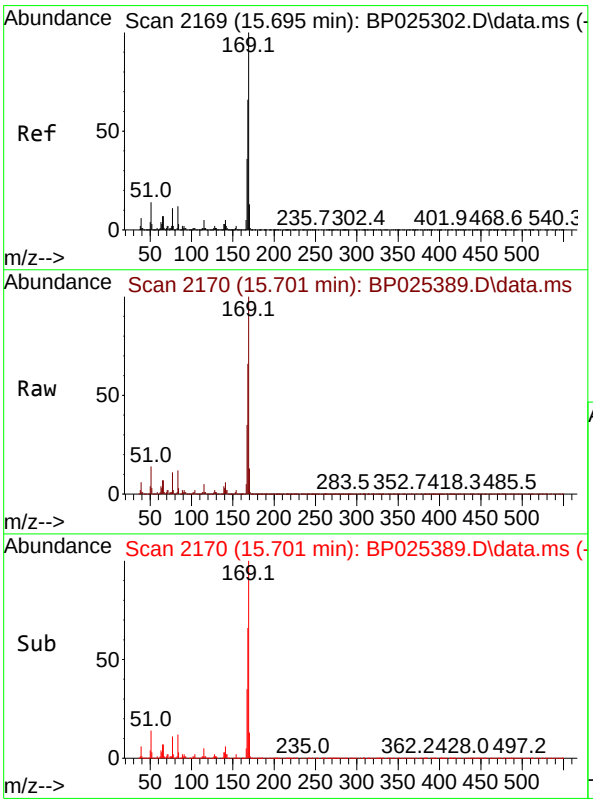
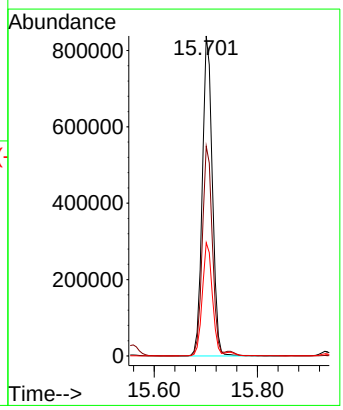


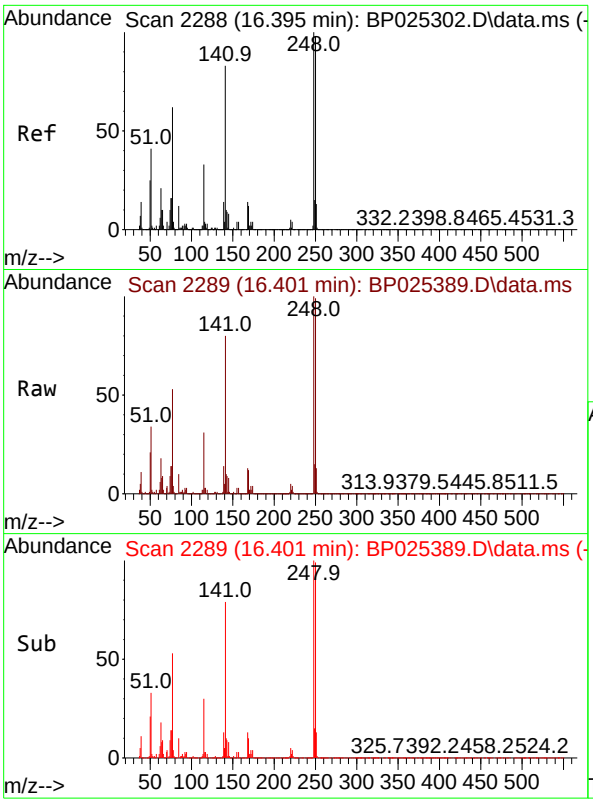


#66
n-Nitrosodiphenylamine
Concen: 39.294 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:169 Resp: 1127513

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.8	79.2
167	35.4	28.5	42.7





#67
4-Bromophenyl-phenylether
Concen: 43.488 ng
RT: 16.401 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 41236

Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.6	117.8
141	79.9	66.6	99.8

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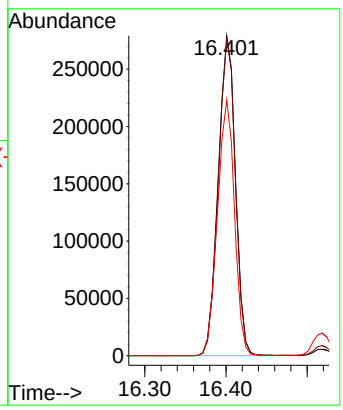
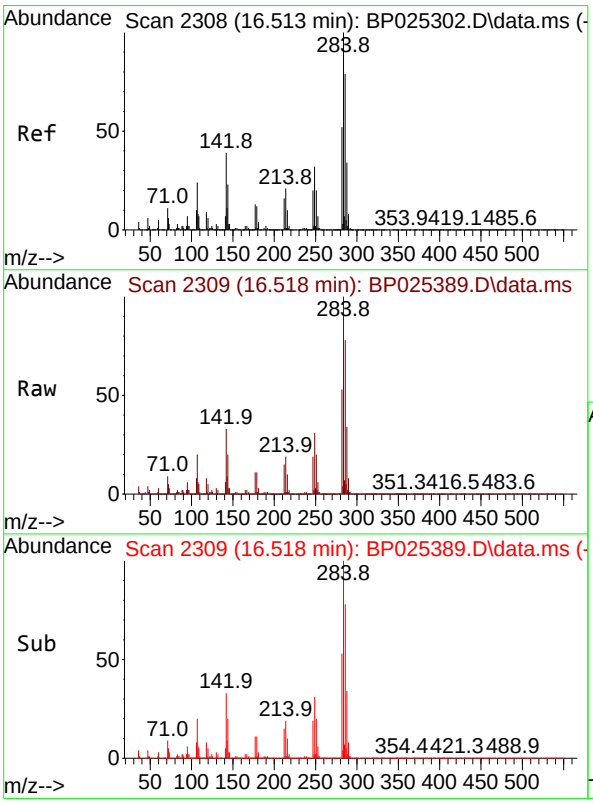
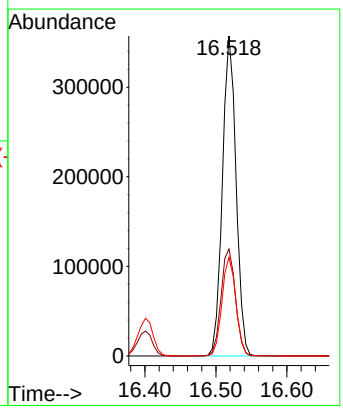


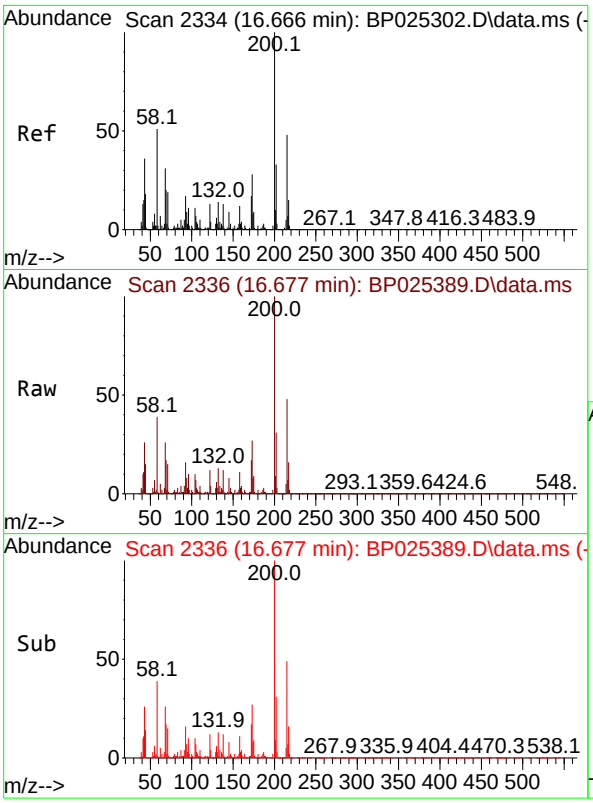


#68
Hexachlorobenzene
Concen: 44.553 ng
RT: 16.518 min Scan# 2309
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:284 Resp: 474025

Ion	Ratio	Lower	Upper
284	100		
142	33.4	30.8	46.2
249	30.8	25.4	38.0

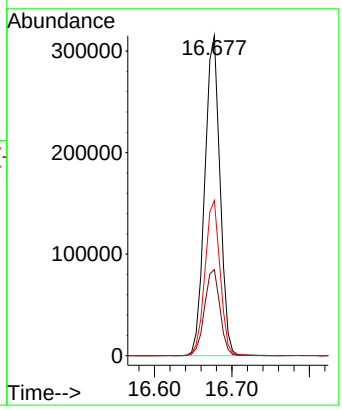




#69
Atrazine
Concen: 42.462 ng
RT: 16.677 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:200 Resp: 42848

Ion	Ratio	Lower	Upper
200	100		
173	26.9	8.2	48.2
215	48.5	28.1	68.1



Instrument :
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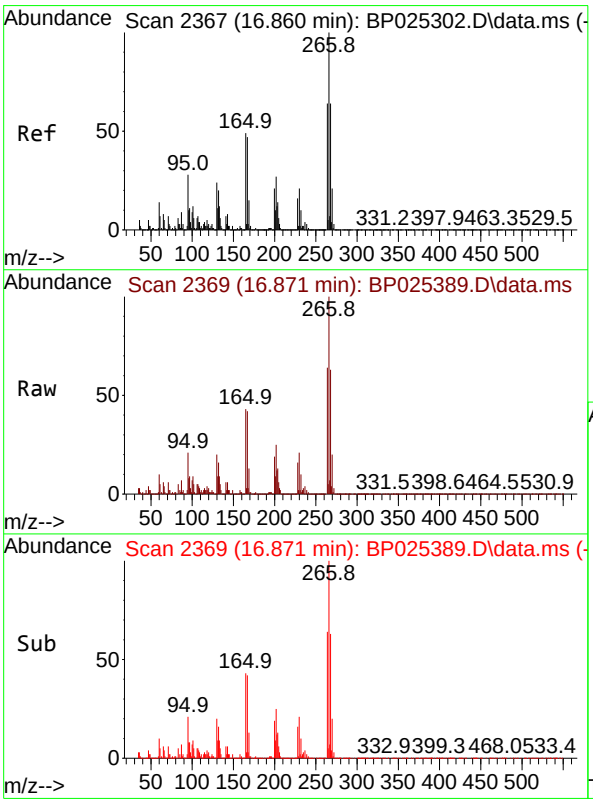
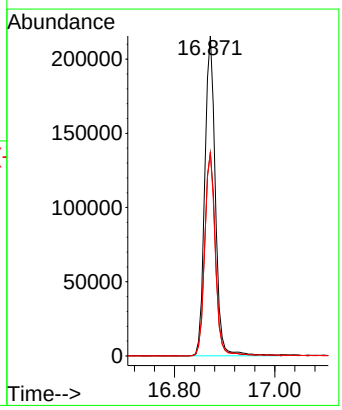
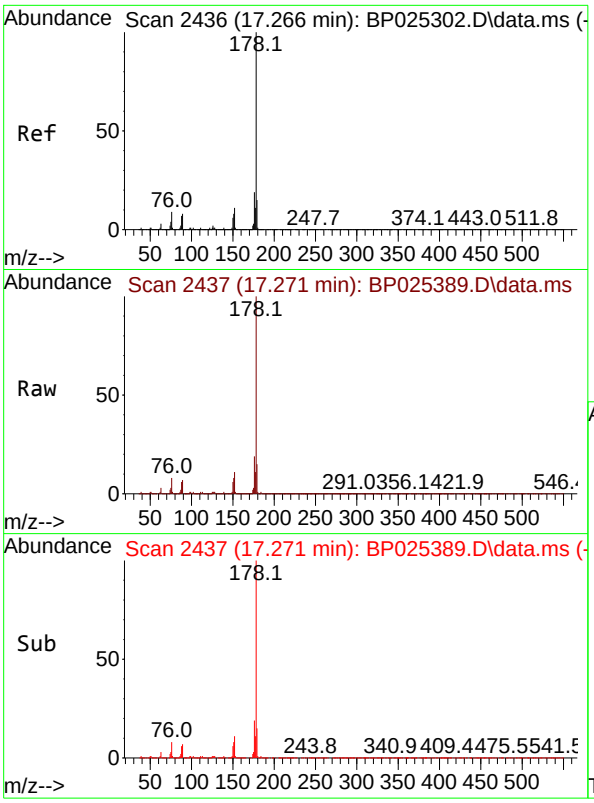


#70
Pentachlorophenol
Concen: 46.638 ng
RT: 16.871 min Scan# 2369
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:266 Resp: 316137

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.4	77.0
264	63.7	51.1	76.7





#71
Phenanthrene
Concen: 39.282 ng
RT: 17.271 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:178 Resp: 202762

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
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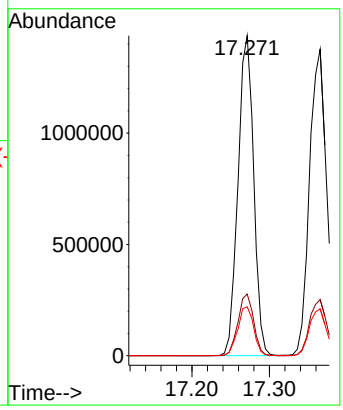
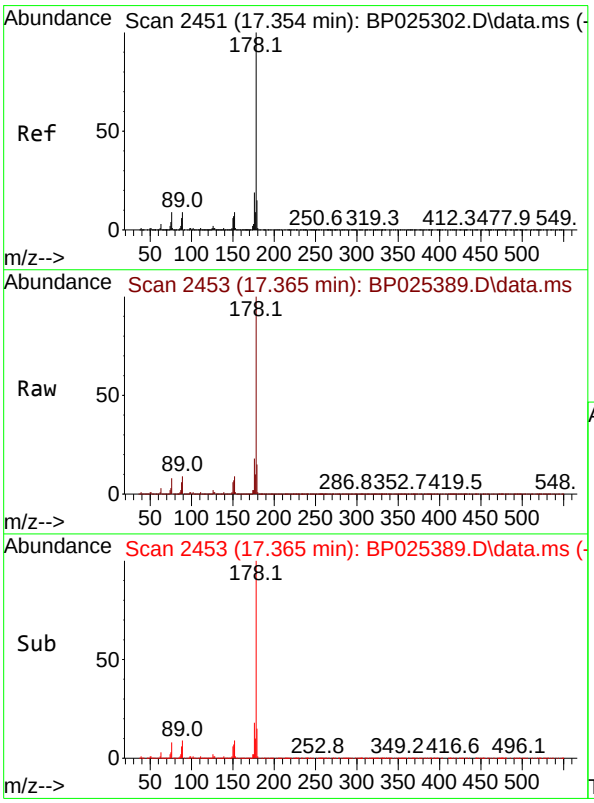
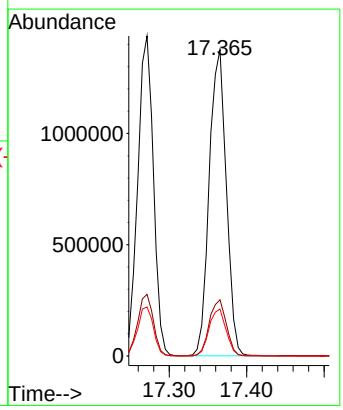


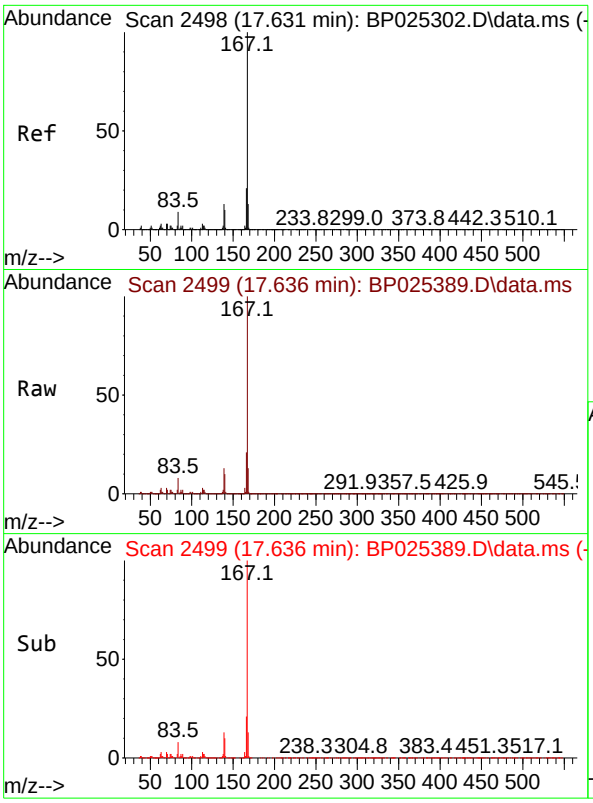


#72
Anthracene
Concen: 40.360 ng
RT: 17.365 min Scan# 2453
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:178 Resp: 2100517

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.3	18.5

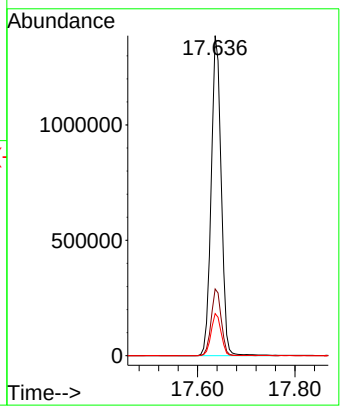




#73
Carbazole
Concen: 39.392 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:167 Resp: 196799

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	13.1	10.6	16.0



Instrument :
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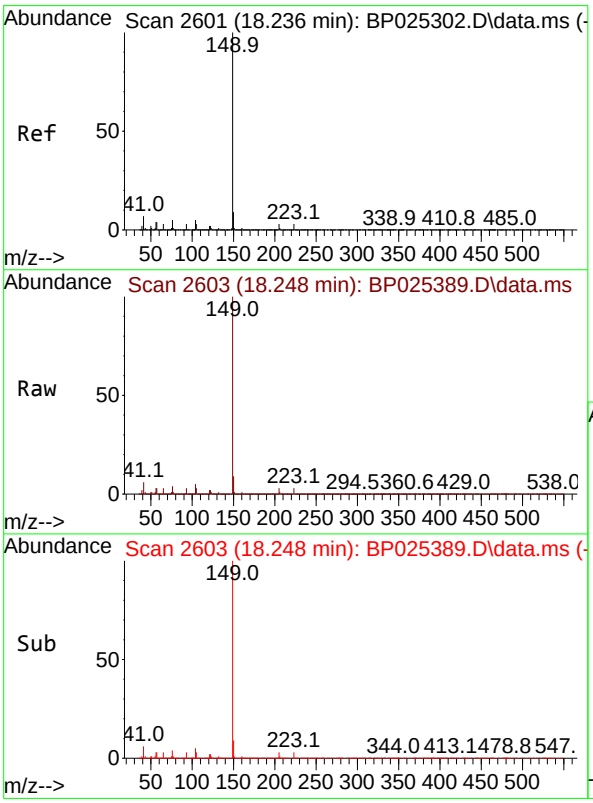
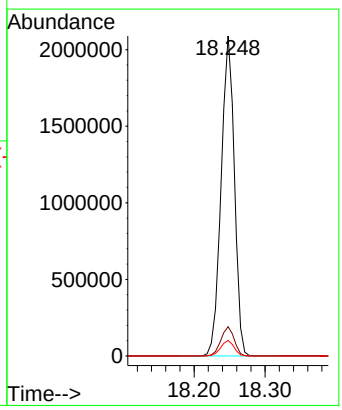
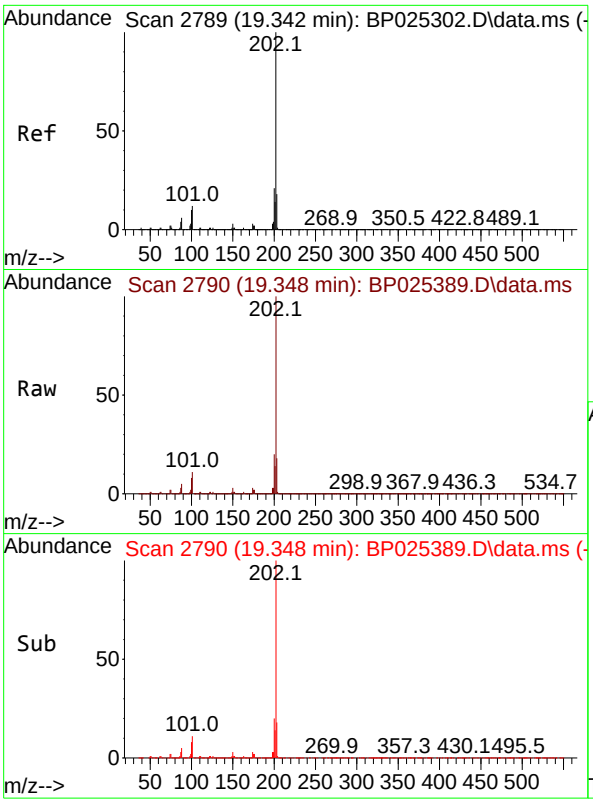


#74
Di-n-butylphthalate
Concen: 44.506 ng
RT: 18.248 min Scan# 2603
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 2689910

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.8	4.1	6.1

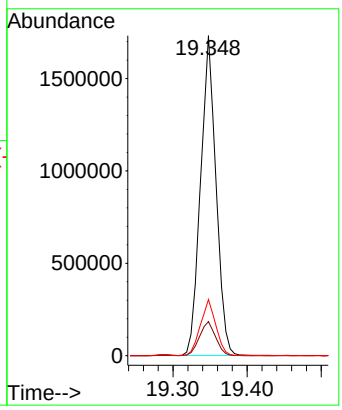




#75
Fluoranthene
Concen: 41.959 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:202 Resp: 250713

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.5
203	17.5	0.0	37.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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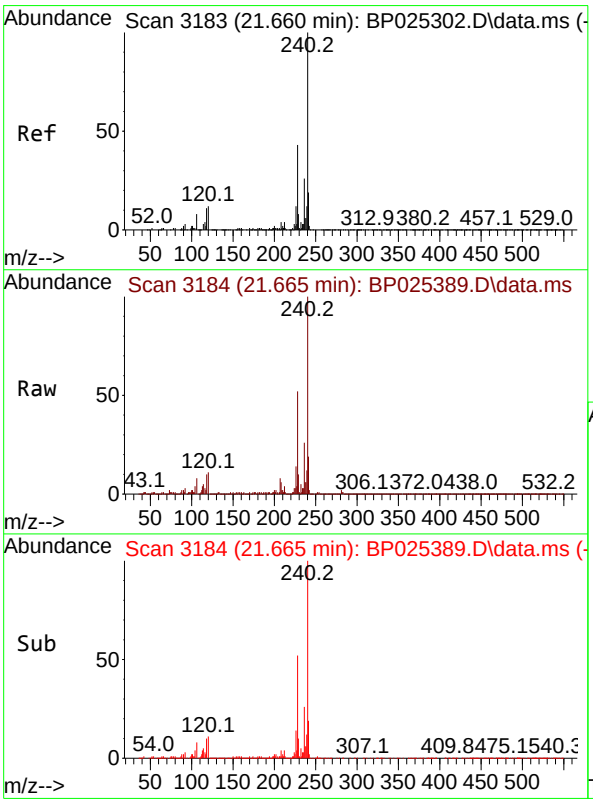
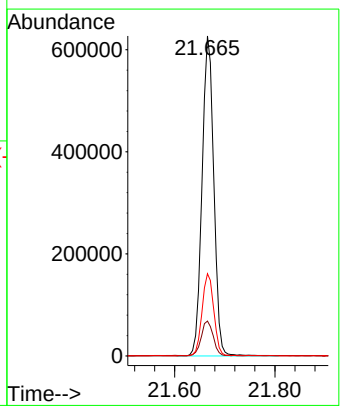
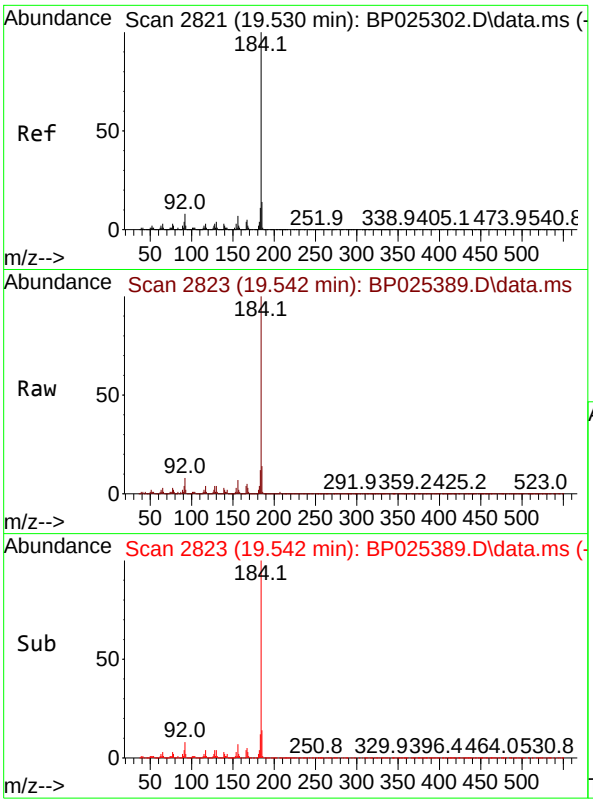


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.665 min Scan# 3184
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:240 Resp: 1019671

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.6	14.4
236	25.7	20.4	30.6

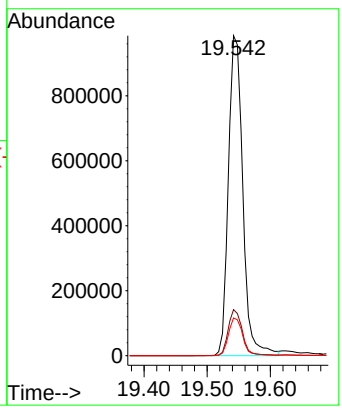




#77
Benzidine
Concen: 42.288 ng
RT: 19.542 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:184 Resp: 156070

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.0	16.6
183	11.8	9.2	13.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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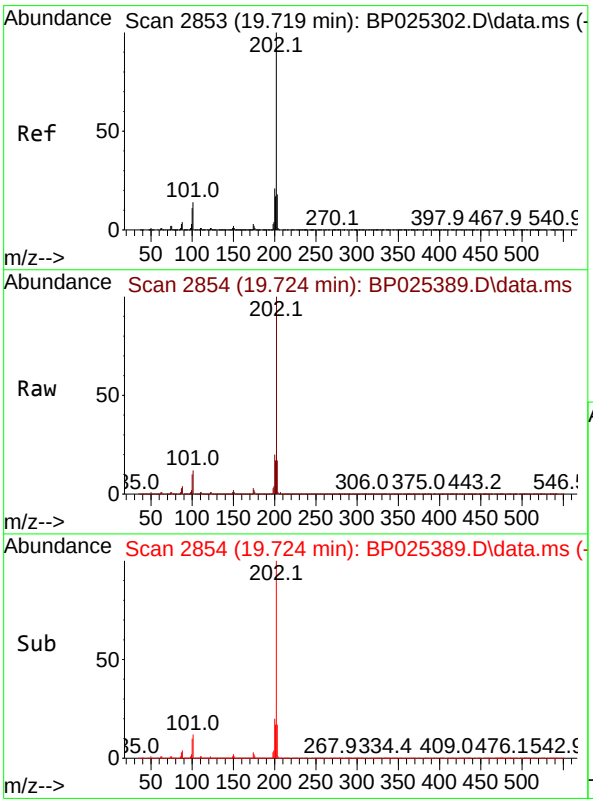
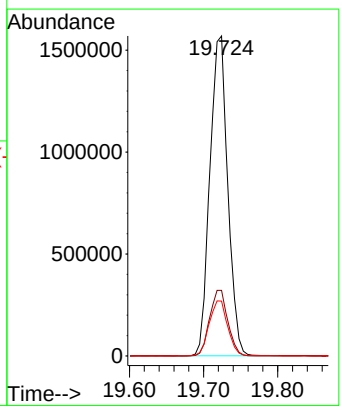
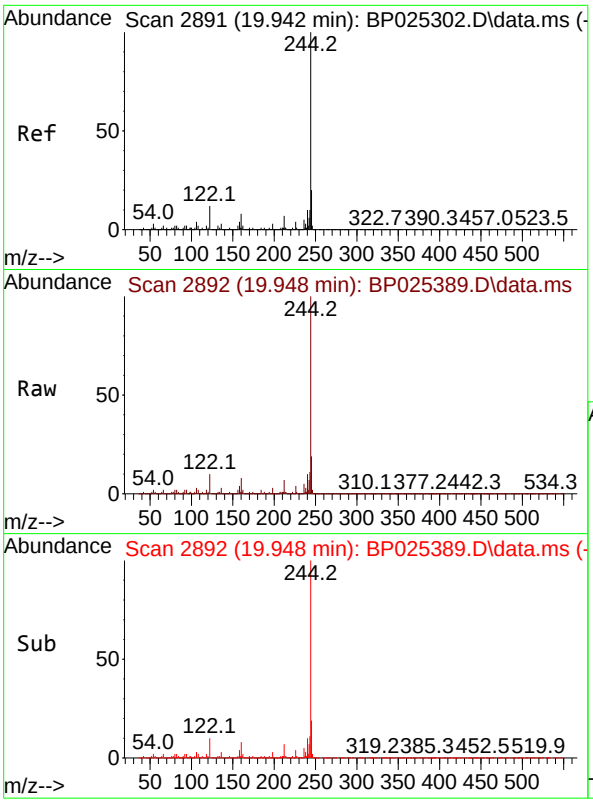


#78
Pyrene
Concen: 38.813 ng
RT: 19.724 min Scan# 2854
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:202 Resp: 2631764

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	17.2	14.1	21.1

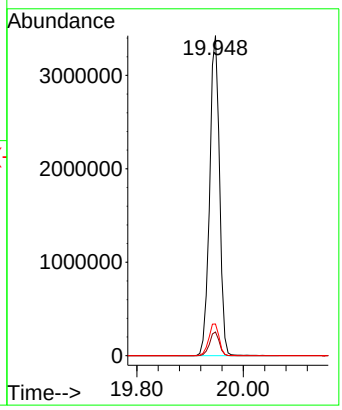




#79
Terphenyl-d14
Concen: 81.610 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:244 Resp: 440576

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	9.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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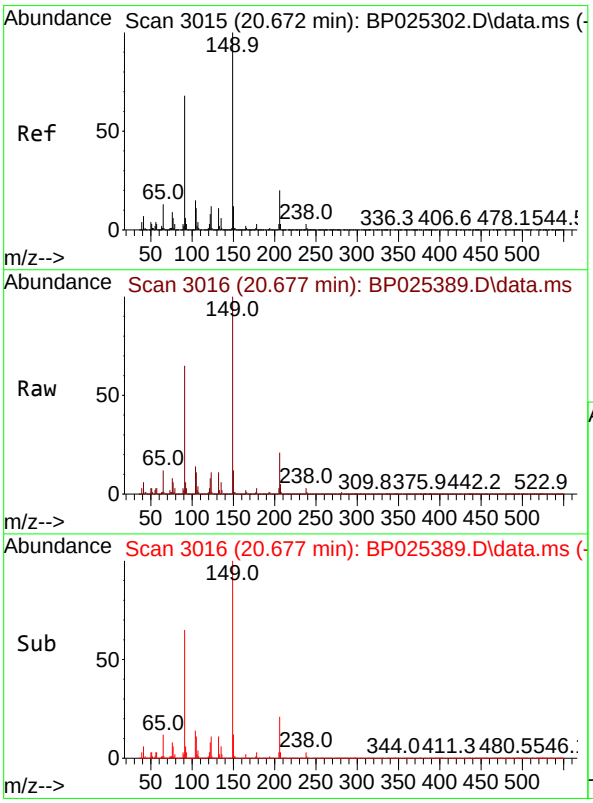
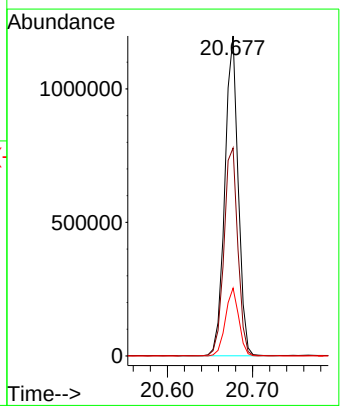
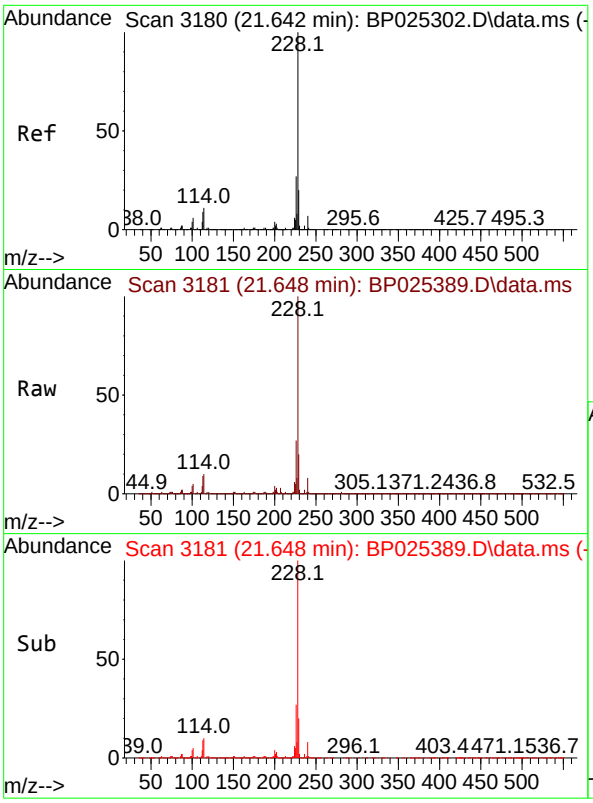


#80
Butylbenzylphthalate
Concen: 47.282 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 1300248

Ion	Ratio	Lower	Upper
149	100		
91	65.0	54.7	82.1
206	21.2	16.4	24.6

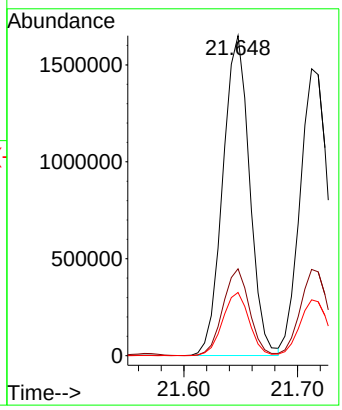




#81
Benzo(a)anthracene
Concen: 39.903 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:228 Resp: 270381

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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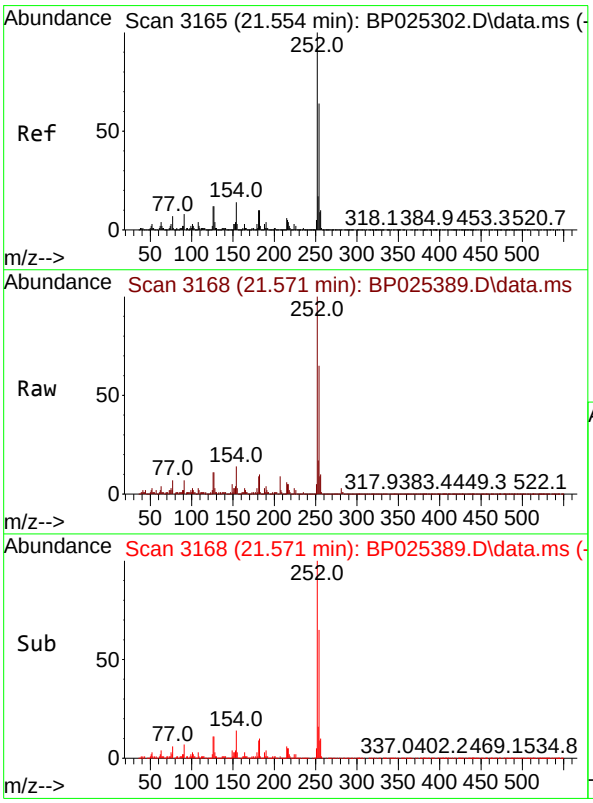
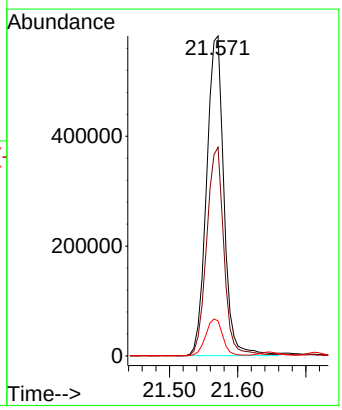
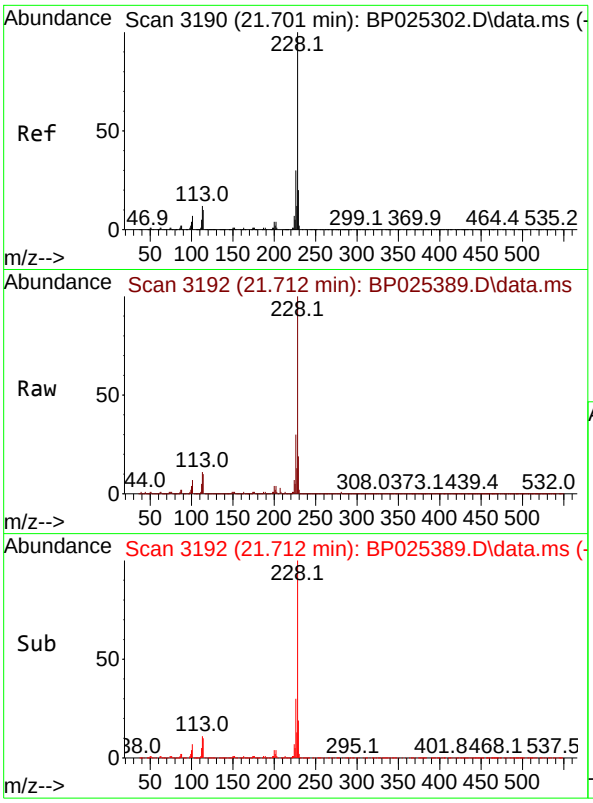


#82
3,3'-Dichlorobenzidine
Concen: 43.133 ng
RT: 21.571 min Scan# 3168
Delta R.T. 0.017 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 1031182

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.0	76.6
126	11.0	9.4	14.2

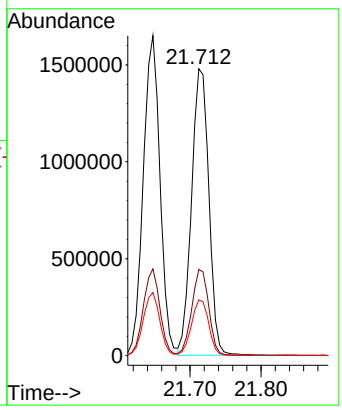




#83
Chrysene
Concen: 39.909 ng
RT: 21.712 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:228 Resp: 250819

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.5	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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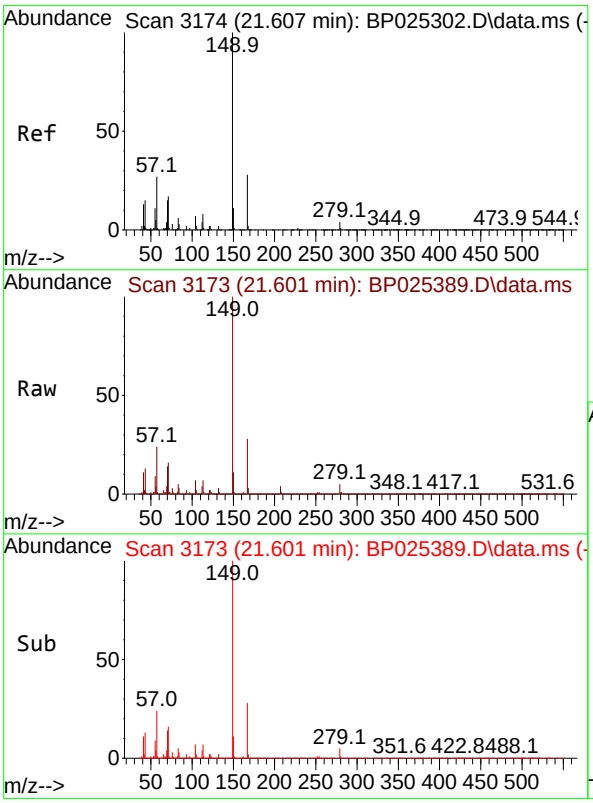
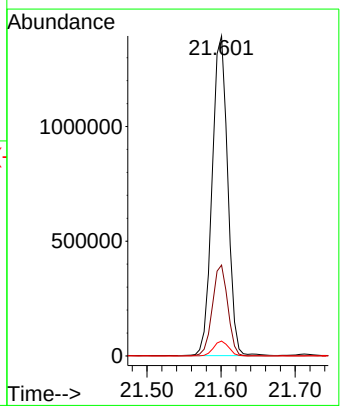
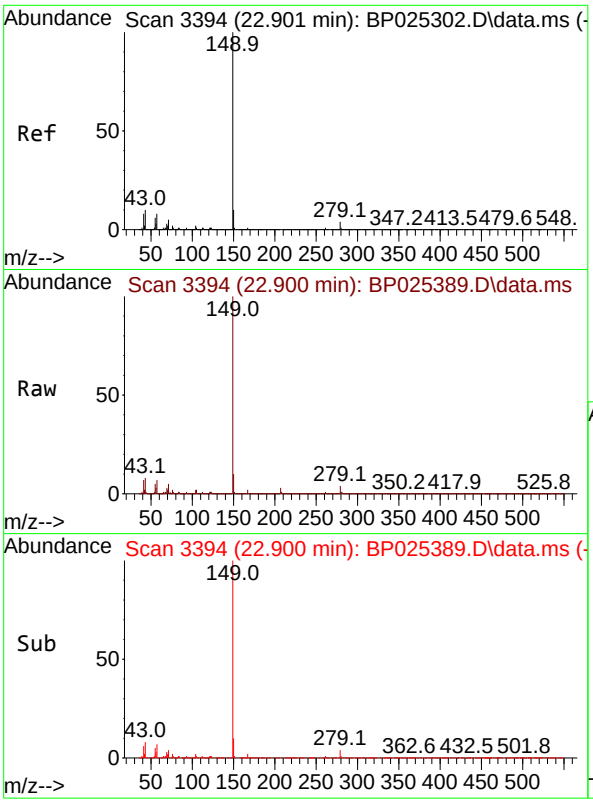


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.239 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 2030394

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.1	33.1
279	4.6	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 47.807 ng
RT: 22.900 min Scan# 3
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

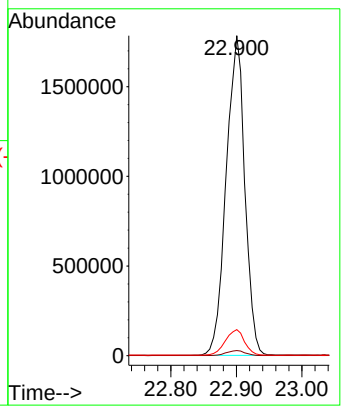
Tgt Ion:149 Resp: 351373

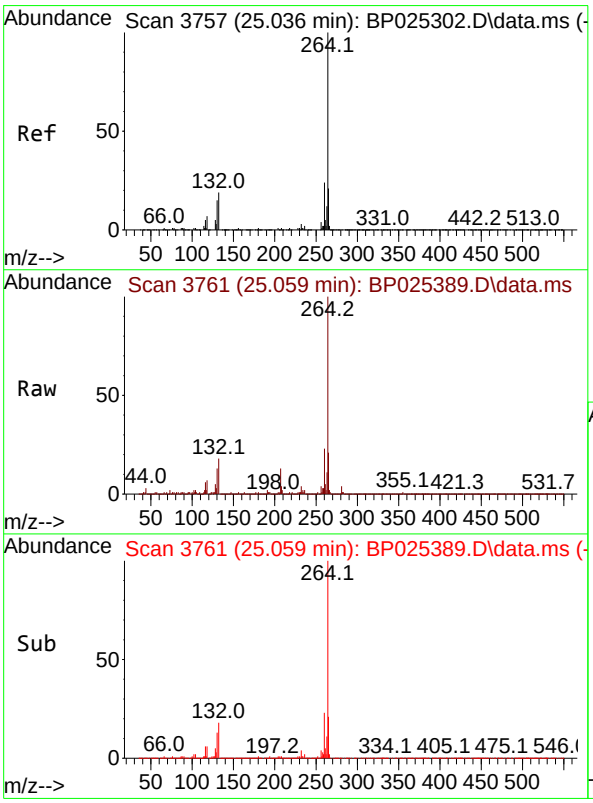
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

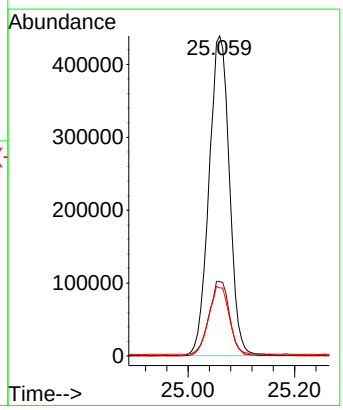


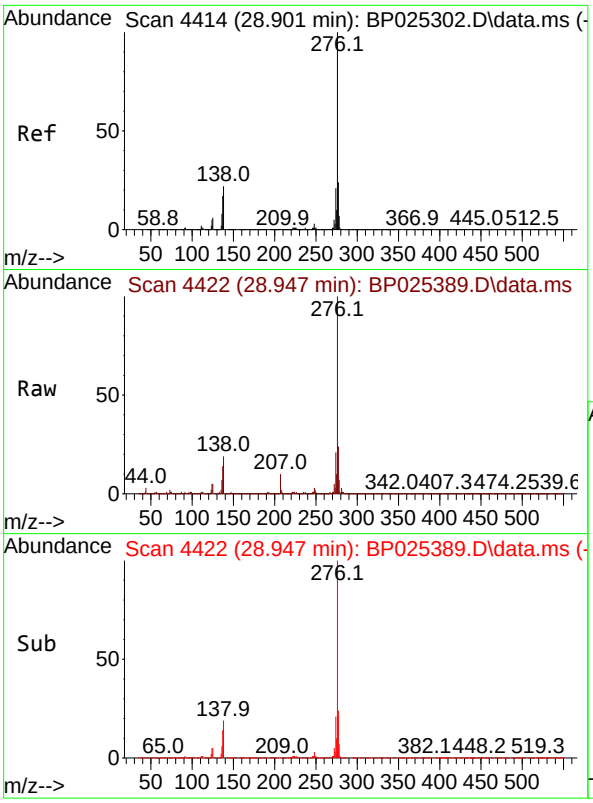


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.059 min Scan# 3761
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:264 Resp: 1166515

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	17.1	25.7

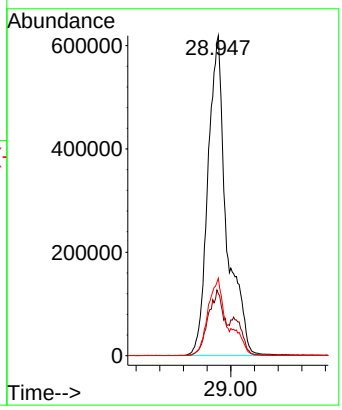




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.644 ng
RT: 28.947 min Scan# 4
Delta R.T. 0.046 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:276 Resp: 339825

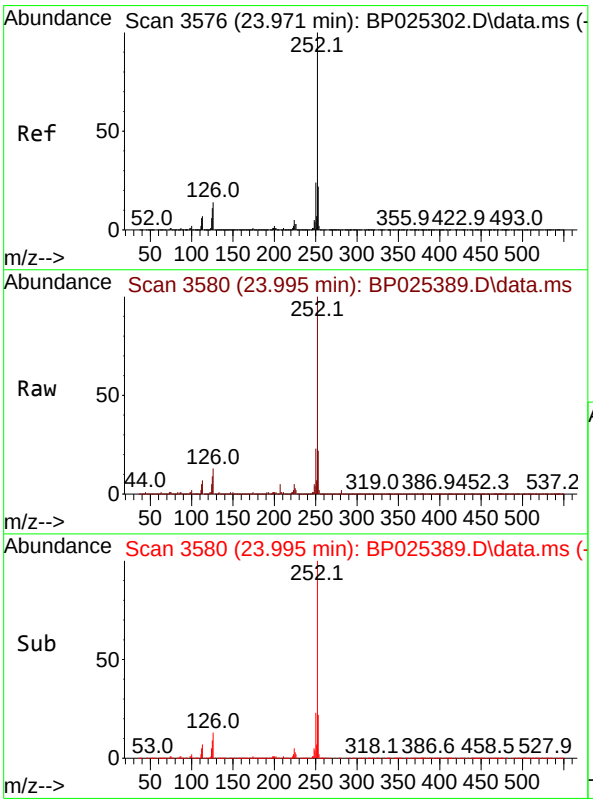
Ion	Ratio	Lower	Upper
276	100		
138	17.8	14.6	22.0
277	20.2	16.8	25.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

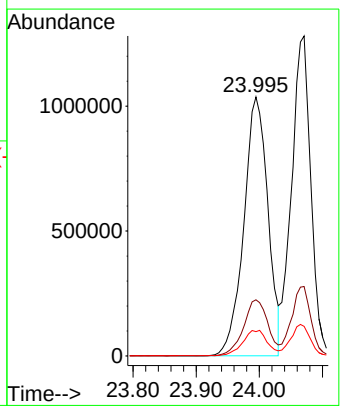
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

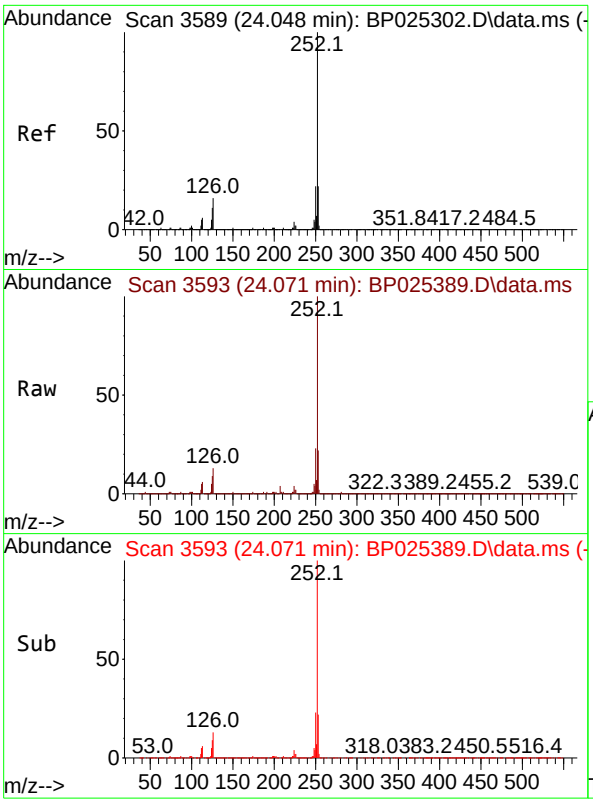


#88
Benzo(b)fluoranthene
Concen: 39.327 ng
RT: 23.995 min Scan# 3580
Delta R.T. 0.024 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 2746202

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.4	8.5	12.7

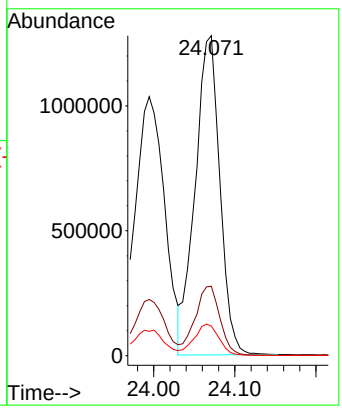




#89
Benzo(k)fluoranthene
Concen: 39.093 ng
RT: 24.071 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 270613

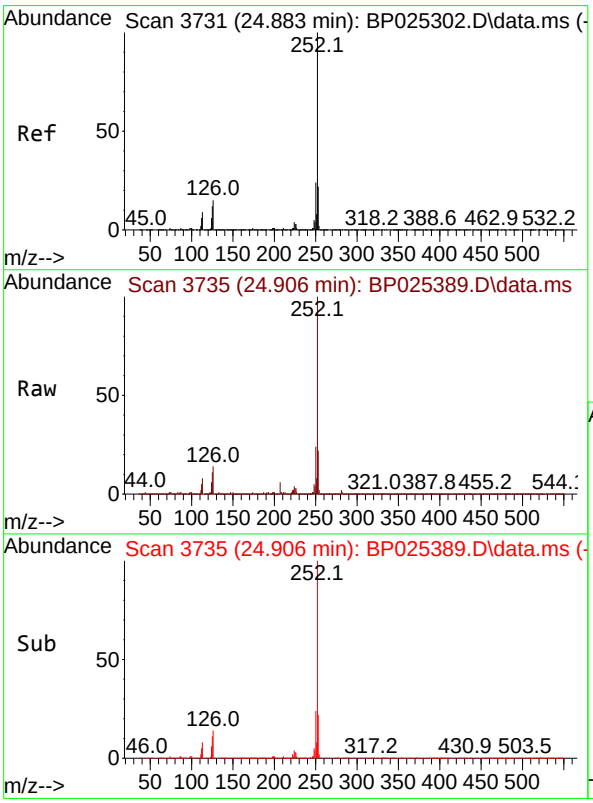
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.2	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

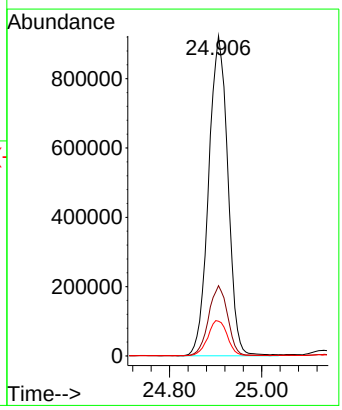
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

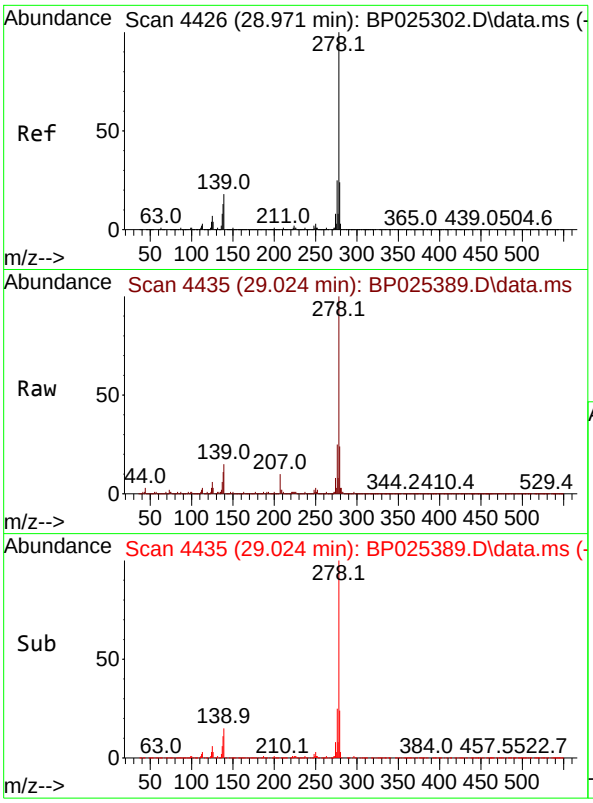


#90
Benzo(a)pyrene
Concen: 39.699 ng
RT: 24.906 min Scan# 3735
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 2669640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.8	9.4	14.0

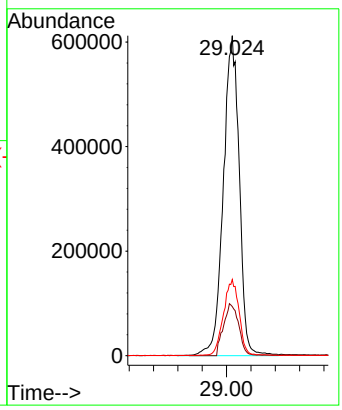




#91
Dibenzo(a,h)anthracene
Concen: 40.680 ng
RT: 29.024 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:278 Resp: 27856

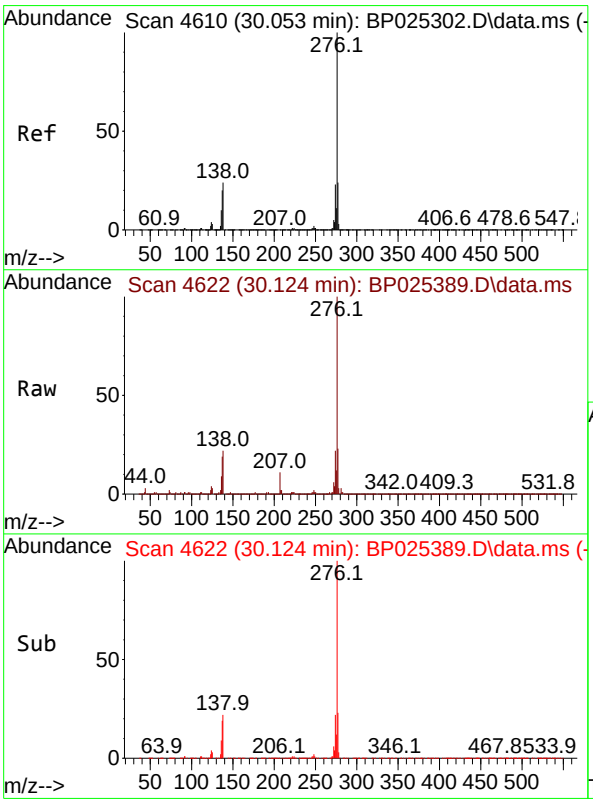
Ion	Ratio	Lower	Upper
278	100		
139	15.4	14.6	22.0
279	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

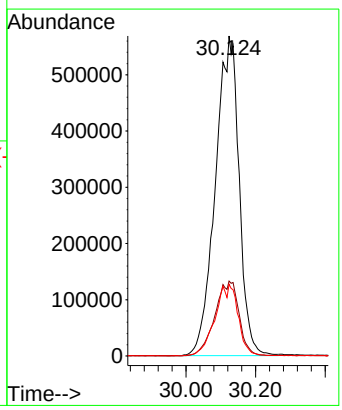
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#92
Benzo(g,h,i)perylene
Concen: 40.074 ng
RT: 30.124 min Scan# 4622
Delta R.T. 0.071 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:276 Resp: 2693148

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	22.4	19.1	28.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2		1,4-Dioxane	0.491	0.463	5.7	88	0.00
3		Pyridine	1.363	1.198	12.1	82	0.00
4		n-Nitrosodimethylamine	0.633	0.509	19.6	76	0.00
5	S	2-Fluorophenol	1.244	1.213	2.5	90	0.00
6		Aniline	2.247	1.960	12.8	81	0.00
7	S	Phenol-d6	1.637	1.490	9.0	84	0.00
8		2-Chlorophenol	1.361	1.356	0.4	92	0.00
9		Benzaldehyde	1.162	1.214	-4.5	79	0.00
10	C	Phenol	1.751	1.540	12.1	81	0.01
11		bis(2-Chloroethyl)ether	1.372	1.239	9.7	85	0.00
12		1,3-Dichlorobenzene	1.529	1.520	0.6	94	0.00
13	C	1,4-Dichlorobenzene	1.547	1.545	0.1	94	0.00
14		1,2-Dichlorobenzene	1.499	1.471	1.9	92	0.00
15		Benzyl Alcohol	1.269	1.118	11.9	82	0.00
16		2,2'-oxybis(1-Chloropropane	2.167	1.701	21.5	74	-0.01
17		2-Methylphenol	1.172	1.062	9.4	83	0.00
18		Hexachloroethane	0.553	0.578	-4.5	98	0.00
19	P	n-Nitroso-di-n-propylamine	1.075	0.937	12.8	79	0.00
20		3+4-Methylphenols	1.613	1.423	11.8	82	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.502	0.487	3.0	83	0.00
23	S	Nitrobenzene-d5	0.361	0.386	-6.9	86	0.00
24		Nitrobenzene	0.342	0.345	-0.9	84	0.00
25		Isophorone	0.719	0.667	7.2	78	0.01
26	C	2-Nitrophenol	0.126	0.185	-46.8#	121	0.00
27		2,4-Dimethylphenol	0.331	0.310	6.3	80	0.00
28		bis(2-Chloroethoxy)methane	0.437	0.417	4.6	81	0.00
29	C	2,4-Dichlorophenol	0.290	0.306	-5.5	86	0.01
30		1,2,4-Trichlorobenzene	0.320	0.345	-7.8	93	0.00
31		Naphthalene	1.038	1.037	0.1	85	0.00
32		Benzoic acid	0.168	0.217	-29.2#	107	0.03
33		4-Chloroaniline	0.462	0.425	8.0	77	0.00
34	C	Hexachlorobutadiene	0.184	0.219	-19.0	102	0.00
35		Caprolactam	0.113	0.104	8.0	76	0.03
36	C	4-Chloro-3-methylphenol	0.336	0.330	1.8	81	0.02
37		2-Methylnaphthalene	0.672	0.670	0.3	85	0.00
38		1-Methylnaphthalene	0.701	0.698	0.4	85	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	0.546	0.604	-10.6	92	0.01
41	P	Hexachlorocyclopentadiene	0.337	0.323	4.2	82	0.00
42	S	2,4,6-Tribromophenol	0.200	0.277	-38.5#	109	0.01
43	C	2,4,6-Trichlorophenol	0.353	0.398	-12.7	91	0.01
44		2,4,5-Trichlorophenol	0.396	0.435	-9.8	88	0.02
45	S	2-Fluorobiphenyl	1.448	1.464	-1.1	85	0.00
46		1,1'-Biphenyl	1.474	1.471	0.2	85	0.01
47		2-Chloronaphthalene	1.124	1.149	-2.2	87	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.324	-12.5	88	0.00
49		Acenaphthylene	1.876	1.858	1.0	83	0.00
50		Dimethylphthalate	1.458	1.447	0.8	85	0.00
51		2,6-Dinitrotoluene	0.269	0.310	-15.2	90	0.01
52	C	Acenaphthene	1.144	1.170	-2.3	88	0.00
53		3-Nitroaniline	0.315	0.334	-6.0	84	0.01
54	P	2,4-Dinitrophenol	0.105	0.127	-21.0	111	0.01
55		Dibenzofuran	1.710	1.720	-0.6	86	0.00
56	P	4-Nitrophenol	0.278	0.273	1.8	81	0.03
57		2,4-Dinitrotoluene	0.359	0.446	-24.2	96	0.00
58		Fluorene	1.343	1.334	0.7	85	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.380	-14.8	92	0.00
60		Diethylphthalate	1.470	1.516	-3.1	88	0.00
61		4-Chlorophenyl-phenylether	0.637	0.682	-7.1	90	0.00
62		4-Nitroaniline	0.312	0.334	-7.1	82	0.00
63		Azobenzene	1.366	1.287	5.8	80	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	0.080	0.100	-25.0#	114	0.00
66	c	n-Nitrosodiphenylamine	0.609	0.598	1.8	85	0.00
67		4-Bromophenyl-phenylether	0.201	0.219	-9.0	95	0.00
68		Hexachlorobenzene	0.226	0.251	-11.1	98	0.00
69		Atrazine	0.214	0.227	-6.1	92	0.01
70	C	Pentachlorophenol	0.144	0.168	-16.7	100	0.01
71		Phenanthrene	1.095	1.076	1.7	86	0.00
72		Anthracene	1.105	1.114	-0.8	87	0.01
73		Carbazole	1.060	1.044	1.5	85	0.00
74		Di-n-butylphthalate	1.283	1.427	-11.2	95	0.01
75	C	Fluoranthene	1.268	1.330	-4.9	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.724	0.765	-5.7	73	0.01
78		Pyrene	1.330	1.290	3.0	93	0.00
79	S	Terphenyl-d14	1.059	1.080	-2.0	96	0.00
80		Butylbenzylphthalate	0.539	0.638	-18.4	105	0.00
81		Benzo(a)anthracene	1.329	1.326	0.2	95	0.00
82		3,3'-Dichlorobenzidine	0.469	0.506	-7.9	99	0.02
83		Chrysene	1.233	1.230	0.2	94	0.01
84		Bis(2-ethylhexyl)phthalate	0.861	0.996	-15.7	104	0.00
85	c	Di-n-octyl phthalate	1.442	1.723	-19.5	106	0.00
86	I	Perylene-d12	1.000	1.000	0.0	92	0.02
87		Indeno(1,2,3-cd)pyrene	1.434	1.457	-1.6	93	0.05
88		Benzo(b)fluoranthene	1.197	1.177	1.7	92	0.02
89		Benzo(k)fluoranthene	1.187	1.160	2.3	91	0.02
90	C	Benzo(a)pyrene	1.153	1.144	0.8	92	0.02
91		Dibenzo(a,h)anthracene	1.174	1.194	-1.7	93	0.05
92		Benzo(g,h,i)perylene	1.152	1.154	-0.2	92	0.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2		1,4-Dioxane	40.000	37.748	5.6	88	0.00
3		Pyridine	40.000	35.134	12.2	82	0.00
4		n-Nitrosodimethylamine	40.000	32.188	19.5	76	0.00
5	S	2-Fluorophenol	80.000	78.034	2.5	90	0.00
6		Aniline	40.000	34.897	12.8	81	0.00
7	S	Phenol-d6	80.000	72.847	8.9	84	0.00
8		2-Chlorophenol	40.000	39.844	0.4	92	0.00
9		Benzaldehyde	40.000	41.771	-4.4	79	0.00
10	C	Phenol	40.000	35.181	12.0	81	0.01
11		bis(2-Chloroethyl)ether	40.000	36.125	9.7	85	0.00
12		1,3-Dichlorobenzene	40.000	39.743	0.6	94	0.00
13	C	1,4-Dichlorobenzene	40.000	39.939	0.2	94	0.00
14		1,2-Dichlorobenzene	40.000	39.259	1.9	92	0.00
15		Benzyl Alcohol	40.000	35.252	11.9	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	31.389	21.5	74	-0.01
17		2-Methylphenol	40.000	36.260	9.4	83	0.00
18		Hexachloroethane	40.000	41.770	-4.4	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.859	12.9	79	0.00
20		3+4-Methylphenols	40.000	35.276	11.8	82	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	38.768	3.1	83	0.00
23	S	Nitrobenzene-d5	80.000	85.552	-6.9	86	0.00
24		Nitrobenzene	40.000	40.347	-0.9	84	0.00
25		Isophorone	40.000	37.145	7.1	78	0.01
26	C	2-Nitrophenol	40.000	49.472	-23.7#	121	0.00
27		2,4-Dimethylphenol	40.000	37.378	6.6	80	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.140	4.6	81	0.00
29	C	2,4-Dichlorophenol	40.000	42.216	-5.5	86	0.01
30		1,2,4-Trichlorobenzene	40.000	43.152	-7.9	93	0.00
31		Naphthalene	40.000	39.968	0.1	85	0.00
32		Benzoic acid	40.000	46.453	-16.1	107	0.03
33		4-Chloroaniline	40.000	36.824	7.9	77	0.00
34	C	Hexachlorobutadiene	40.000	47.747	-19.4	102	0.00
35		Caprolactam	40.000	37.085	7.3	76	0.03
36	C	4-Chloro-3-methylphenol	40.000	39.346	1.6	81	0.02
37		2-Methylnaphthalene	40.000	39.851	0.4	85	0.00
38		1-Methylnaphthalene	40.000	39.802	0.5	85	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.214	-10.5	92	0.01
41	P	Hexachlorocyclopentadiene	40.000	38.353	4.1	82	0.00
42	S	2,4,6-Tribromophenol	80.000	110.873	-38.6#	109	0.01
43	C	2,4,6-Trichlorophenol	40.000	45.134	-12.8	91	0.01
44		2,4,5-Trichlorophenol	40.000	43.925	-9.8	88	0.02
45	S	2-Fluorobiphenyl	80.000	80.900	-1.1	85	0.00
46		1,1'-Biphenyl	40.000	39.928	0.2	85	0.01
47		2-Chloronaphthalene	40.000	40.884	-2.2	87	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.849	0.4	88	0.00
49		Acenaphthylene	40.000	39.622	0.9	83	0.00
50		Dimethylphthalate	40.000	39.703	0.7	85	0.00
51		2,6-Dinitrotoluene	40.000	46.139	-15.3	90	0.01
52	C	Acenaphthene	40.000	40.905	-2.3	88	0.00
53		3-Nitroaniline	40.000	42.464	-6.2	84	0.01
54	P	2,4-Dinitrophenol	40.000	46.258	-15.6	111	0.01
55		Dibenzofuran	40.000	40.249	-0.6	86	0.00
56	P	4-Nitrophenol	40.000	39.388	1.5	81	0.03
57		2,4-Dinitrotoluene	40.000	43.163	-7.9	96	0.00
58		Fluorene	40.000	39.744	0.6	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.967	-14.9	92	0.00
60		Diethylphthalate	40.000	41.263	-3.2	88	0.00
61		4-Chlorophenyl-phenylether	40.000	42.846	-7.1	90	0.00
62		4-Nitroaniline	40.000	42.799	-7.0	82	0.00
63		Azobenzene	40.000	37.708	5.7	80	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.770	-14.4	114	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.294	1.8	85	0.00
67		4-Bromophenyl-phenylether	40.000	43.488	-8.7	95	0.00
68		Hexachlorobenzene	40.000	44.553	-11.4	98	0.00
69		Atrazine	40.000	42.462	-6.2	92	0.01
70	C	Pentachlorophenol	40.000	46.638	-16.6	100	0.01
71		Phenanthrene	40.000	39.282	1.8	86	0.00
72		Anthracene	40.000	40.360	-0.9	87	0.01
73		Carbazole	40.000	39.392	1.5	85	0.00
74		Di-n-butylphthalate	40.000	44.506	-11.3	95	0.01
75	C	Fluoranthene	40.000	41.959	-4.9	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	42.288	-5.7	73	0.01
78		Pyrene	40.000	38.813	3.0	93	0.00
79	S	Terphenyl-d14	80.000	81.610	-2.0	96	0.00
80		Butylbenzylphthalate	40.000	47.282	-18.2	105	0.00
81		Benzo(a)anthracene	40.000	39.903	0.2	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.133	-7.8	99	0.02
83		Chrysene	40.000	39.909	0.2	94	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	46.239	-15.6	104	0.00
85	c	Di-n-octyl phthalate	40.000	47.807	-19.5	106	0.00
86	I	Perylene-d12	20.000	20.000	0.0	92	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.644	-1.6	93	0.05
88		Benzo(b)fluoranthene	40.000	39.327	1.7	92	0.02
89		Benzo(k)fluoranthene	40.000	39.093	2.3	91	0.02
90	C	Benzo(a)pyrene	40.000	39.699	0.8	92	0.02
91		Dibenzo(a,h)anthracene	40.000	40.680	-1.7	93	0.05
92		Benzo(g,h,i)perylene	40.000	40.074	-0.2	92	0.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 20:51

Lab File ID: BP025403.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.311		8.9	50.0
Benzaldehyde	1.082	1.303		20.4	50.0
Phenol-d6	1.544	1.737		12.5	50.0
Phenol	1.620	1.818		12.2	50.0
bis(2-Chloroethyl)ether	1.263	1.389		10.0	50.0
2-Chlorophenol	1.359	1.500		10.4	50.0
2-Methylphenol	1.125	1.291		14.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.858		9.8	50.0
Acetophenone	0.502	0.535		6.6	50.0
3+4-Methylphenols	1.560	1.775		13.8	50.0
n-Nitroso-di-n-propylamine	1.023	1.147	0.050	12.1	50.0
Nitrobenzene-d5	0.395	0.428		8.4	50.0
Hexachloroethane	0.563	0.605		7.5	50.0
Nitrobenzene	0.353	0.380		7.6	50.0
Isophorone	0.700	0.756		8.0	50.0
2-Nitrophenol	0.181	0.200		10.5	50.0
2,4-Dimethylphenol	0.312	0.342		9.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.338		8.7	50.0
Naphthalene	1.040	1.102		6.0	50.0
4-Chloroaniline	0.459	0.503		9.6	50.0
Hexachlorobutadiene	0.211	0.220		4.3	50.0
Caprolactam	0.114	0.126		10.5	50.0
4-Chloro-3-methylphenol	0.355	0.397		11.8	50.0
2-Methylnaphthalene	0.676	0.720		6.5	50.0
Hexachlorocyclopentadiene	0.349	0.394	0.050	12.9	50.0
2,4,6-Trichlorophenol	0.390	0.433		11.0	50.0
2-Fluorobiphenyl	1.463	1.530		4.6	50.0
2,4,5-Trichlorophenol	0.427	0.473		10.8	50.0
1,1-Biphenyl	1.453	1.574		8.3	50.0
2-Chloronaphthalene	1.131	1.222		8.0	50.0
2-Nitroaniline	0.329	0.374		13.7	50.0
Dimethylphthalate	1.465	1.600		9.2	50.0
Acenaphthylene	1.871	2.053		9.7	50.0
2,6-Dinitrotoluene	0.309	0.350		13.3	50.0
3-Nitroaniline	0.347	0.389		12.1	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.199	0.050	20.6	50.0
4-Nitrophenol	0.285	0.322	0.050	13.0	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2820
Instrument ID:	BNA_P	Calibration Date/Time:	08/14/2025 20:51
Lab File ID:	BP025403.D	Init. Calib. Date(s):	08/14/2025 08/14/2025
EPA Sample No.:	SSTDCCC040EC	Init. Calib. Time(s):	12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.878		8.2	50.0
2,4-Dinitrotoluene	0.440	0.506		15.0	50.0
Diethylphthalate	1.488	1.622		9.0	50.0
4-Chlorophenyl-phenylether	0.681	0.723		6.2	50.0
Fluorene	1.370	1.459		6.5	50.0
4-Nitroaniline	0.356	0.400		12.4	50.0
4,6-Dinitro-2-methylphenol	0.125	0.141		12.8	50.0
n-Nitrosodiphenylamine	0.610	0.645		5.7	50.0
2,4,6-Tribromophenol	0.269	0.301		11.9	50.0
4-Bromophenyl-phenylether	0.220	0.234		6.4	50.0
Hexachlorobenzene	0.255	0.269		5.5	50.0
Atrazine	0.228	0.246		7.9	50.0
Pentachlorophenol	0.161	0.179		11.2	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.201		7.0	50.0
Carbazole	1.057	1.131		7.0	50.0
Di-n-butylphthalate	1.300	1.383		6.4	50.0
Fluoranthene	1.311	1.383		5.5	50.0
Pyrene	1.300	1.410		8.5	50.0
Terphenyl-d14	1.093	1.141		4.4	50.0
Butylbenzylphthalate	0.589	0.638		8.3	50.0
3,3-Dichlorobenzidine	0.497	0.534		7.4	50.0
Benzo(a)anthracene	1.319	1.432		8.6	50.0
Chrysene	1.235	1.329		7.6	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.915		5.5	50.0
Di-n-octyl phthalate	1.492	1.589		6.5	50.0
Benzo(b)fluoranthene	1.179	1.276		8.2	50.0
Benzo(k)fluoranthene	1.180	1.272		7.8	50.0
Benzo(a)pyrene	1.148	1.248		8.7	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.589		8.3	50.0
Dibenzo(a,h)anthracene	1.199	1.294		7.9	50.0
Benzo(g,h,i)perylene	1.178	1.263		7.2	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.615		6.4	50.0
1,4-Dioxane	0.472	0.492		4.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.419		11.1	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	143656	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	631599	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	420815	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	861562	20.000	ng	0.00
76) Chrysene-d12	21.654	240	877131	20.000	ng	0.00
86) Perylene-d12	25.018	264	1001441	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	753228	87.075	ng	0.00
7) Phenol-d6	6.966	99	998308	90.015	ng	0.00
23) Nitrobenzene-d5	8.931	82	1081597	86.626	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	505840	89.305	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2575898	83.658	ng	0.00
79) Terphenyl-d14	19.925	244	4003165	83.500	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	141496	41.760	ng	99
3) Pyridine	3.731	79	395457	42.641	ng	99
4) n-Nitrosodimethylamine	3.637	42	168336	44.027	ng	98
6) Aniline	7.125	93	668458	44.735	ng	100
8) 2-Chlorophenol	7.366	128	430913	44.144	ng	99
9) Benzaldehyde	6.943	77	374459	48.192	ng	99
10) Phenol	6.996	94	522320	44.883	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	399198	44.011	ng	100
12) 1,3-Dichlorobenzene	7.684	146	463334	43.046	ng	99
13) 1,4-Dichlorobenzene	7.825	146	472656	42.962	ng	99
14) 1,2-Dichlorobenzene	8.143	146	455279	42.750	ng	98
15) Benzyl Alcohol	8.025	79	397334	45.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	533952	43.944	ng	99
17) 2-Methylphenol	8.225	107	370890	45.888	ng	98
18) Hexachloroethane	8.866	117	173722	42.947	ng	99
19) n-Nitroso-di-n-propyla...	8.590	70	329539	44.859	ng	99
20) 3+4-Methylphenols	8.549	107	509960	45.518	ng	96
22) Acetophenone	8.602	105	676089	42.684	ng	100
24) Nitrobenzene	8.972	77	479956	43.012	ng	98
25) Isophorone	9.496	82	954875	43.214	ng	99
26) 2-Nitrophenol	9.678	139	253040	44.186	ng	96
27) 2,4-Dimethylphenol	9.737	122	432058	43.871	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	566435	42.408	ng	98
29) 2,4-Dichlorophenol	10.213	162	426329	43.578	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	448415	41.812	ng	98
31) Naphthalene	10.613	128	1391503	42.388	ng	100
32) Benzoic acid	9.878	122	321598	44.232	ng	99
33) 4-Chloroaniline	10.707	127	635837	43.849	ng	99
34) Hexachlorobutadiene	10.902	225	277933	41.613	ng	98
35) Caprolactam	11.496	113	159139	44.362	ng	96
36) 4-Chloro-3-methylphenol	11.831	107	501026	44.631	ng	97
37) 2-Methylnaphthalene	12.219	142	909696	42.582	ng	99
38) 1-Methylnaphthalene	12.437	142	972063	42.786	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	517974	42.619	ng	99
41) Hexachlorocyclopentadiene	12.566	237	331437	45.147	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	364316	44.402	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	398216	44.283	ng	99
46) 1,1'-Biphenyl	13.231	154	1324483	43.338	ng	99
47) 2-Chloronaphthalene	13.272	162	1028320	43.221	ng	99
48) 2-Nitroaniline	13.466	65	314525	45.370	ng	100
49) Acenaphthylene	14.119	152	1728273	43.899	ng	100
50) Dimethylphthalate	13.854	163	1346941	43.709	ng	100
51) 2,6-Dinitrotoluene	13.966	165	294644	45.364	ng	98
52) Acenaphthene	14.466	154	984150	42.587	ng	99
53) 3-Nitroaniline	14.295	138	327806	44.858	ng	99
54) 2,4-Dinitrophenol	14.507	184	167222	48.211	ng	96
55) Dibenzofuran	14.801	168	1580372	43.256	ng	99
56) 4-Nitrophenol	14.613	139	270955	45.122	ng	99
57) 2,4-Dinitrotoluene	14.760	165	425555	45.922	ng	99
58) Fluorene	15.460	166	1228185	42.602	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	352921	44.447	ng	99
60) Diethylphthalate	15.243	149	1365325	43.604	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	608316	42.427	ng	97
62) 4-Nitroaniline	15.472	138	337032	44.988	ng	99
63) Azobenzene	15.754	77	1178128	43.941	ng	99
65) 4,6-Dinitro-2-methylph...	15.537	198	243710	45.379	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1111834	42.319	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	403225	42.554	ng	96
68) Hexachlorobenzene	16.489	284	463895	42.233	ng	97
69) Atrazine	16.654	200	424688	43.163	ng	98
70) Pentachlorophenol	16.837	266	308191	44.448	ng	98
71) Phenanthrene	17.242	178	2002433	42.309	ng	100
72) Anthracene	17.342	178	2069708	42.823	ng	100
73) Carbazole	17.613	167	1948636	42.804	ng	100
74) Di-n-butylphthalate	18.213	149	2382369	42.535	ng	100
75) Fluoranthene	19.325	202	2383806	42.225	ng	99
77) Benzidine	19.525	184	1470206	49.114	ng	99
78) Pyrene	19.701	202	2474163	43.398	ng	100
80) Butylbenzylphthalate	20.660	149	1119526	43.329	ng	99
81) Benzo(a)anthracene	21.630	228	2512405	43.432	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	936326	42.943	ng	99
83) Chrysene	21.701	228	2331047	43.029	ng	99
84) Bis(2-ethylhexyl)phtha...	21.572	149	1605733	42.217	ng	100
85) Di-n-octyl phthalate	22.866	149	2788155	42.618	ng	100
87) Indeno(1,2,3-cd)pyrene	28.836	276	3181604m	43.322	ng	
88) Benzo(b)fluoranthene	23.942	252	2555118	43.269	ng	99
89) Benzo(k)fluoranthene	24.013	252	2547012	43.102	ng	100
90) Benzo(a)pyrene	24.854	252	2500332	43.497	ng	99
91) Dibenzo(a,h)anthracene	28.948	278	2591787	43.184	ng	98
92) Benzo(g,h,i)perylene	30.024	276	2529115	42.869	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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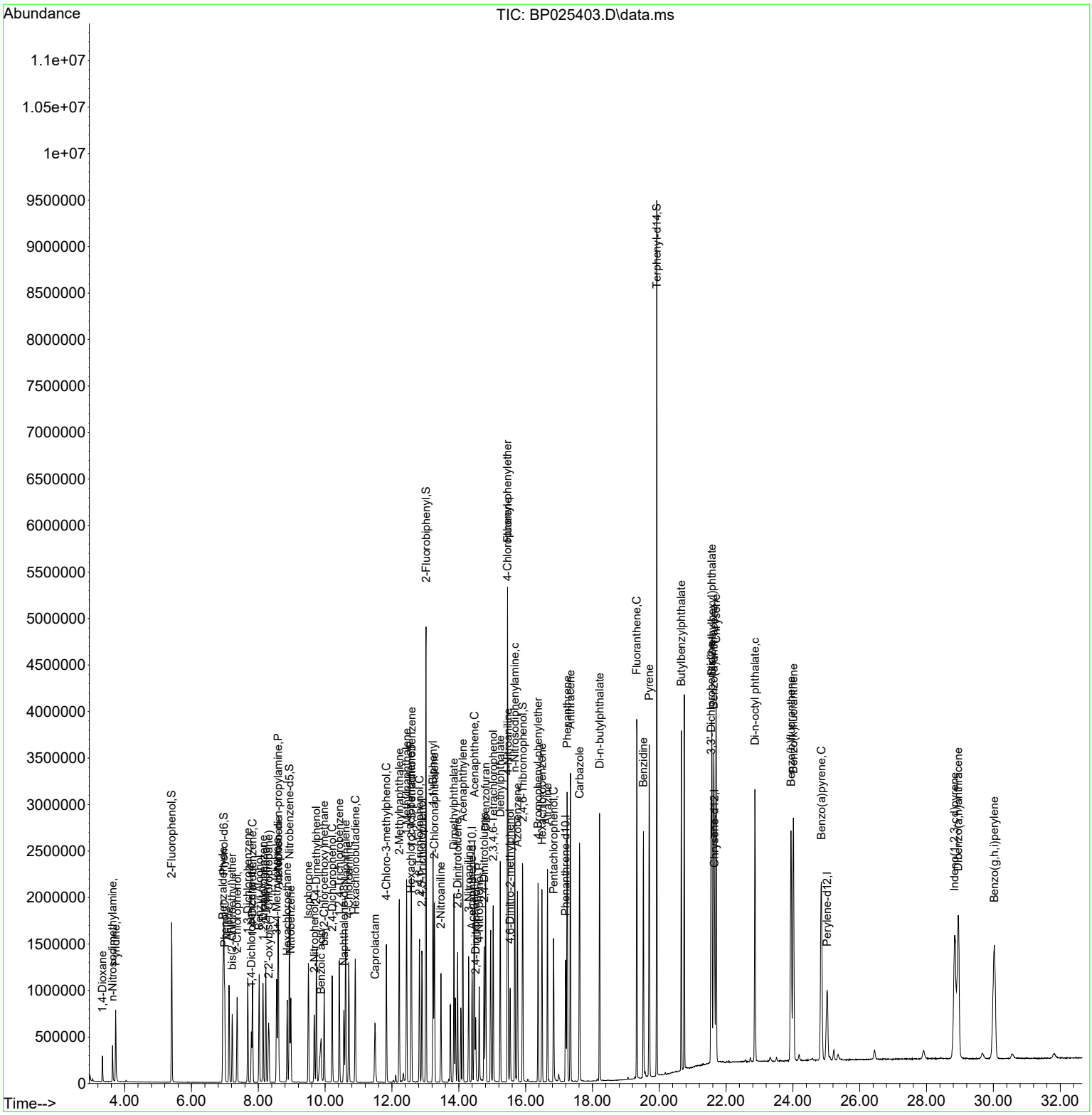
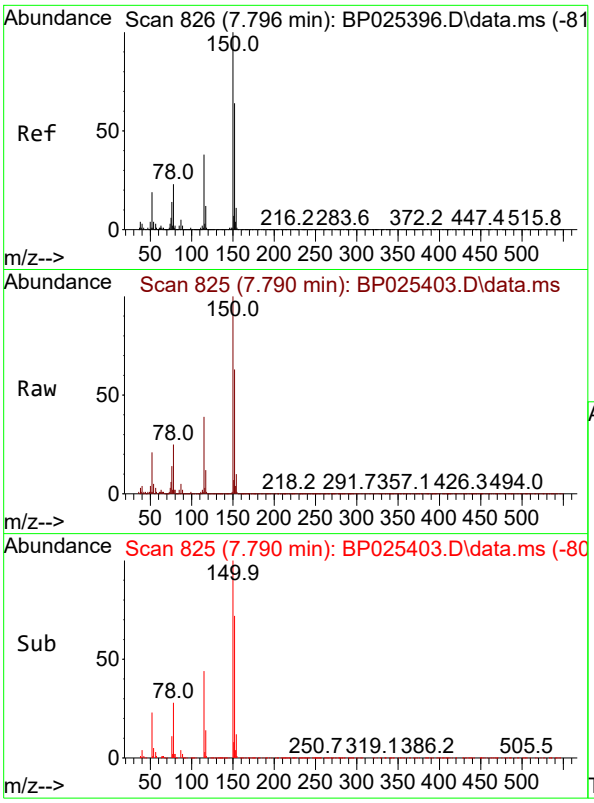
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

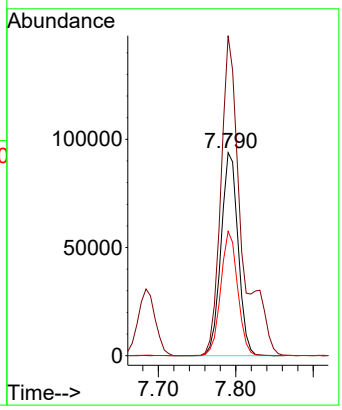




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:152 Resp: 14365

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	61.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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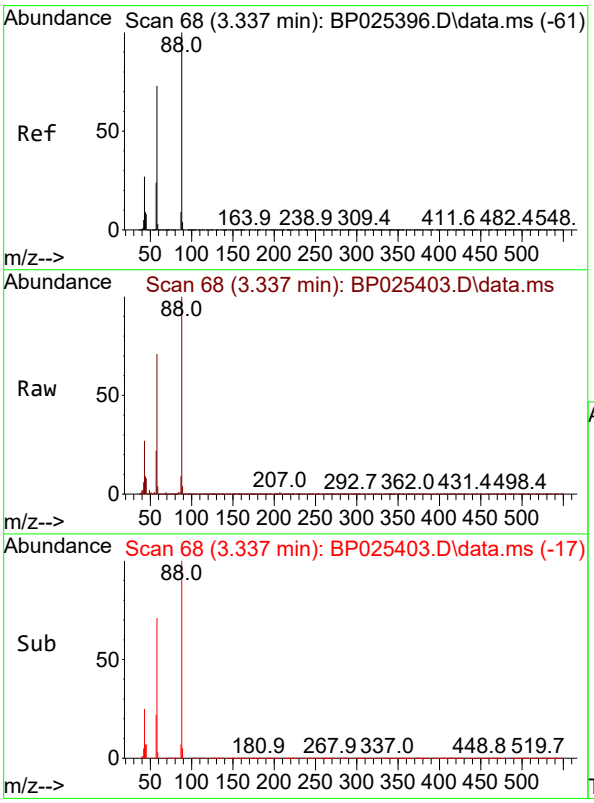
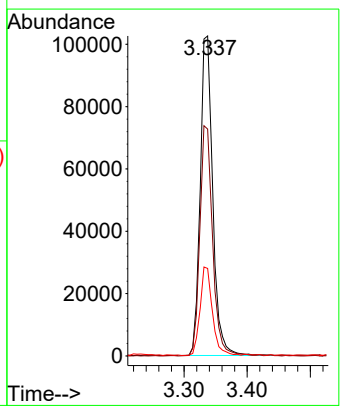
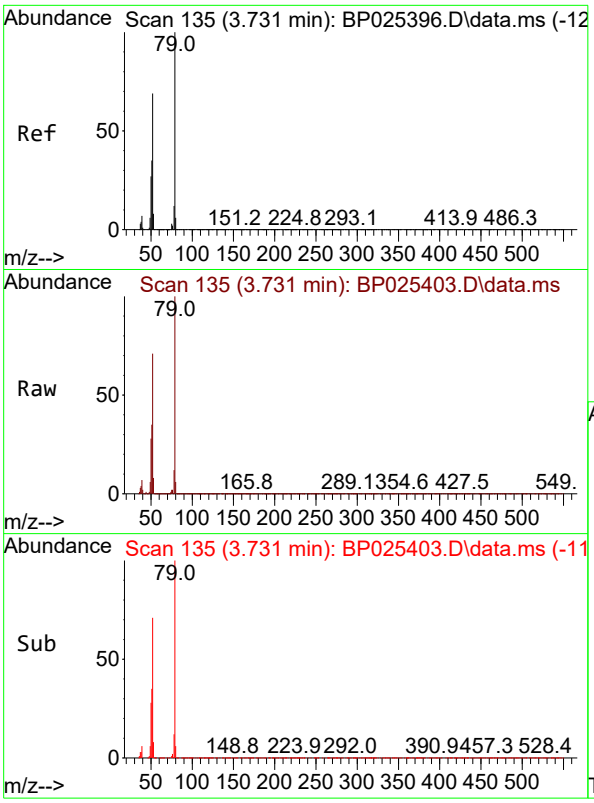


#2
1,4-Dioxane
Concen: 41.760 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 88 Resp: 141496

Ion	Ratio	Lower	Upper
88	100		
58	73.5	59.2	88.8
43	27.3	21.7	32.5





#3
Pyridine
Concen: 42.641 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 79 Resp: 39545

Ion	Ratio	Lower	Upper
79	100		
52	71.2	55.5	83.3
51	35.5	28.3	42.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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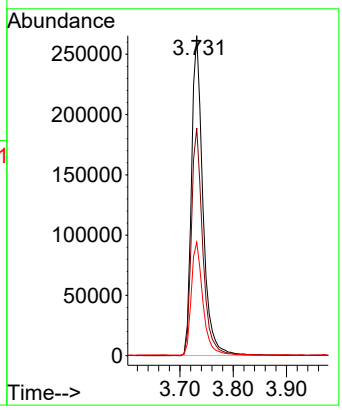
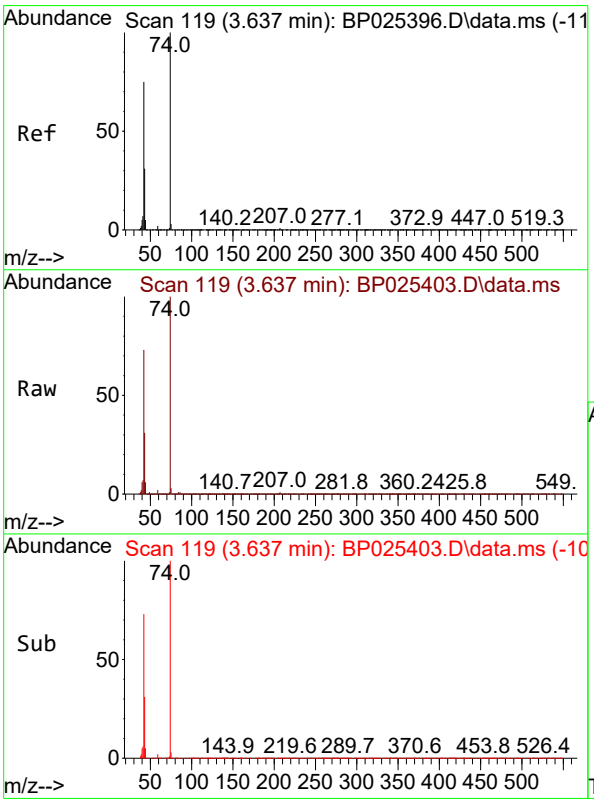
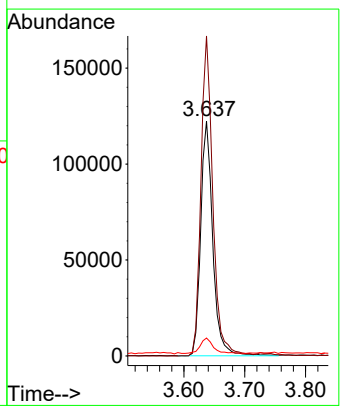


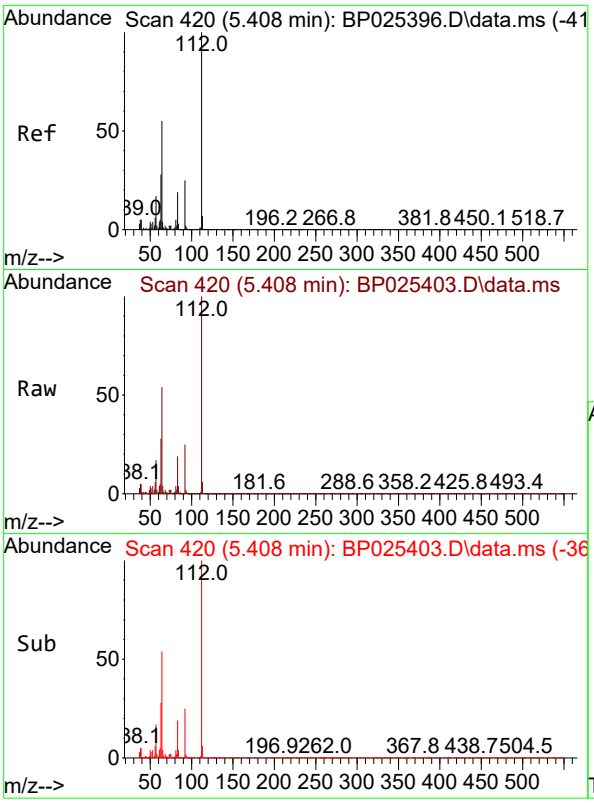


#4
n-Nitrosodimethylamine
Concen: 44.027 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 42 Resp: 168336

Ion	Ratio	Lower	Upper
42	100		
74	136.3	107.0	160.4
44	7.6	6.2	9.4

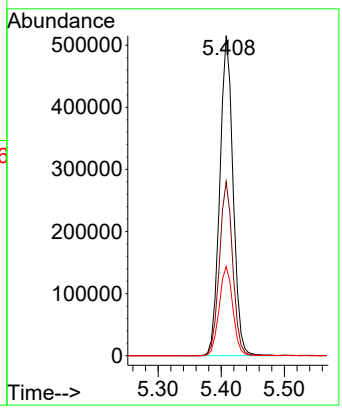




#5
2-Fluorophenol
Concen: 87.075 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:112 Resp: 75322

Ion	Ratio	Lower	Upper
112	100		
64	54.4	43.8	65.8
63	27.8	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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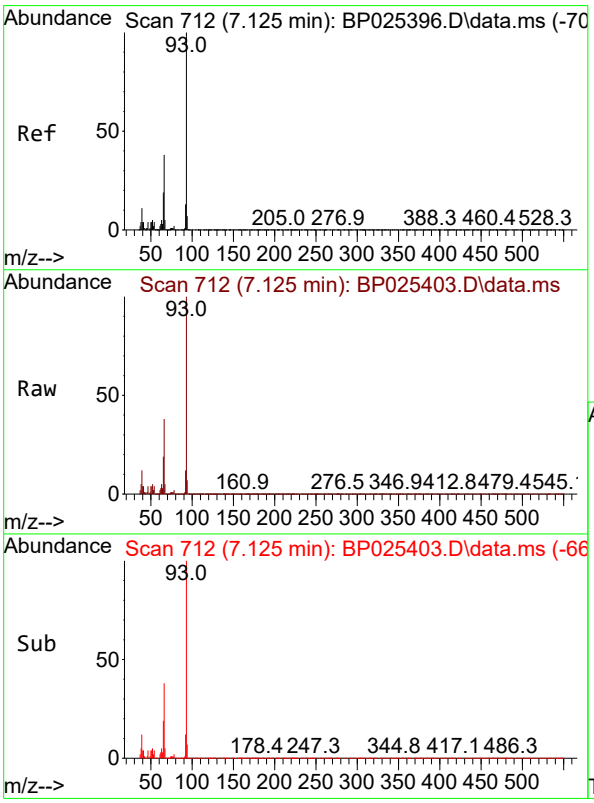
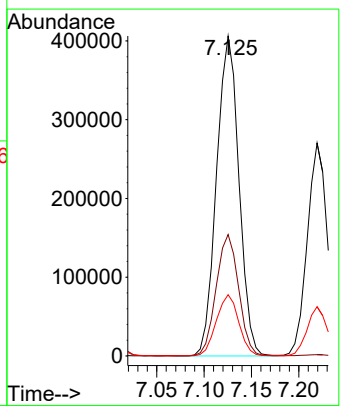
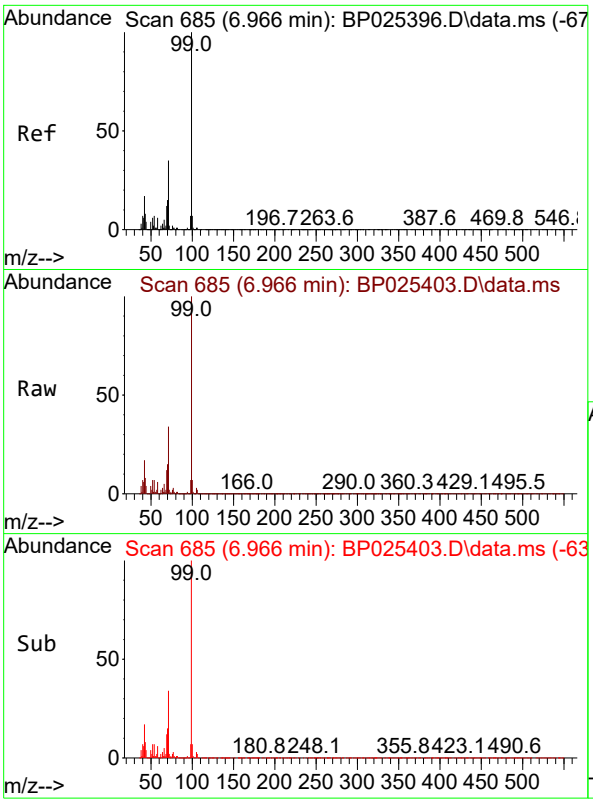


#6
Aniline
Concen: 44.735 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 93 Resp: 668458

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.2	15.3	22.9

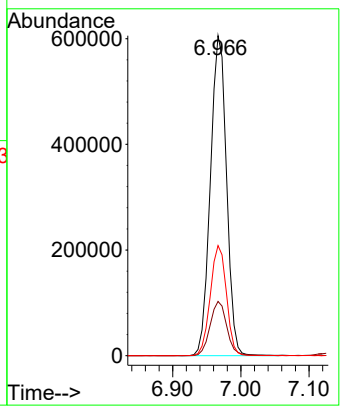




#7
Phenol-d6
Concen: 90.015 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 99 Resp: 99830

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	34.4	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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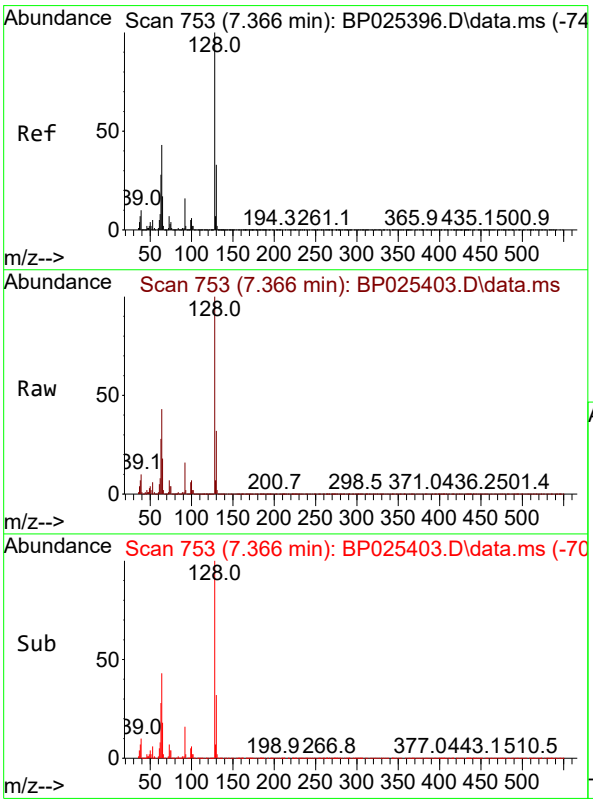
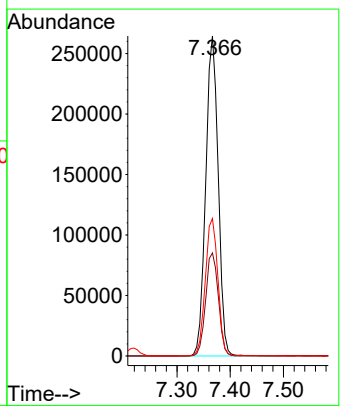
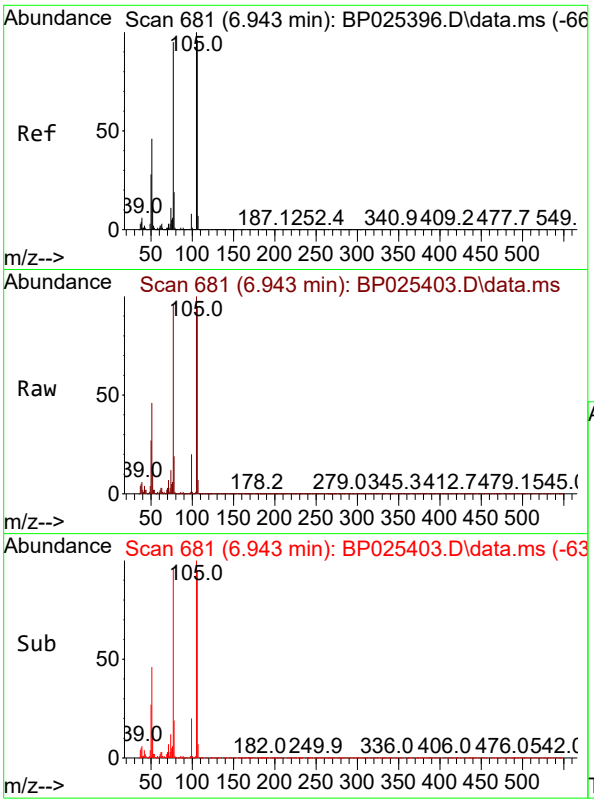


#8
2-Chlorophenol
Concen: 44.144 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:128 Resp: 430913

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	43.0	23.4	63.4

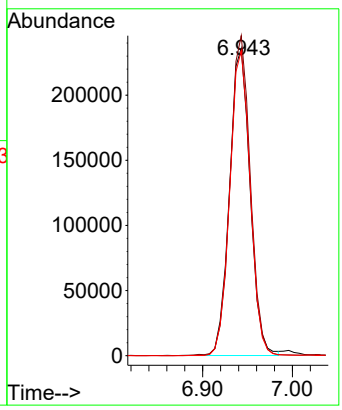




#9
Benzaldehyde
Concen: 48.192 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 77 Resp: 37445

Ion	Ratio	Lower	Upper
77	100		
105	104.1	84.8	124.8
106	99.2	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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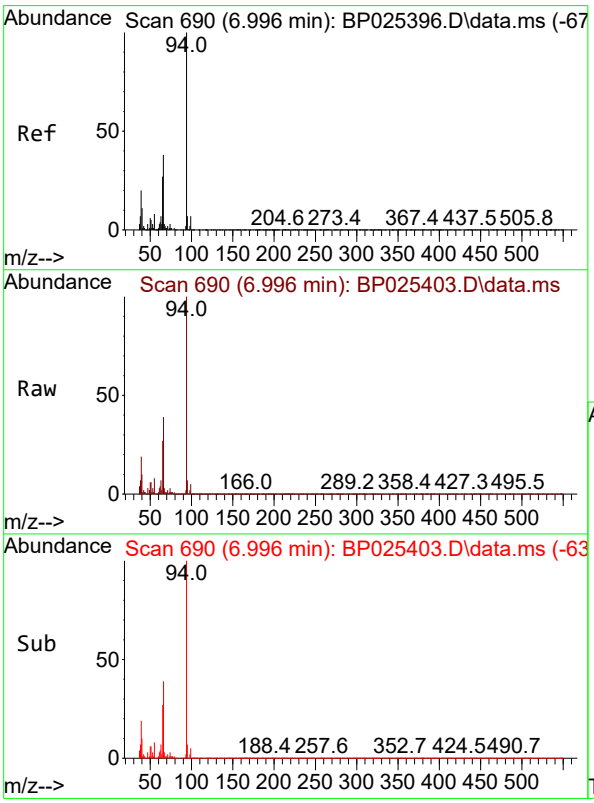
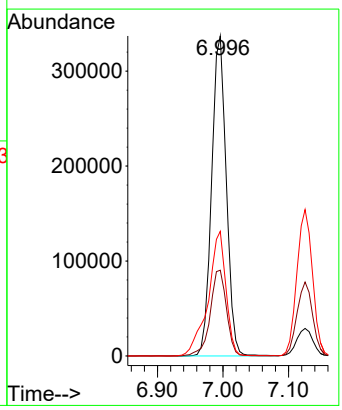
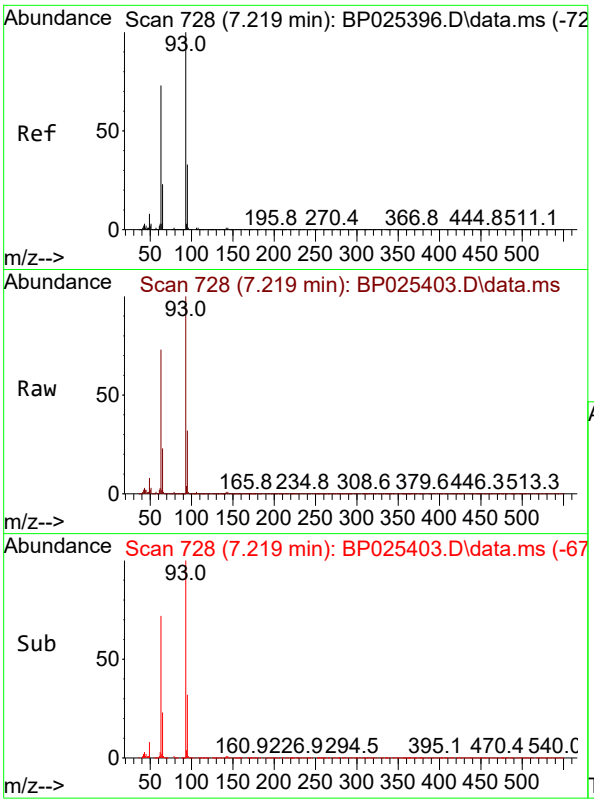


#10
Phenol
Concen: 44.883 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 94 Resp: 522320

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.8	46.8
66	38.9	18.2	58.2

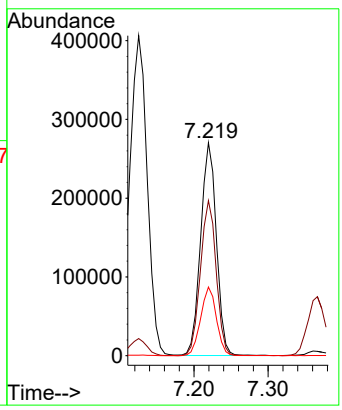




#11
bis(2-Chloroethyl)ether
Concen: 44.011 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 93 Resp: 39919

Ion	Ratio	Lower	Upper
93	100		
63	72.7	52.6	92.6
95	32.2	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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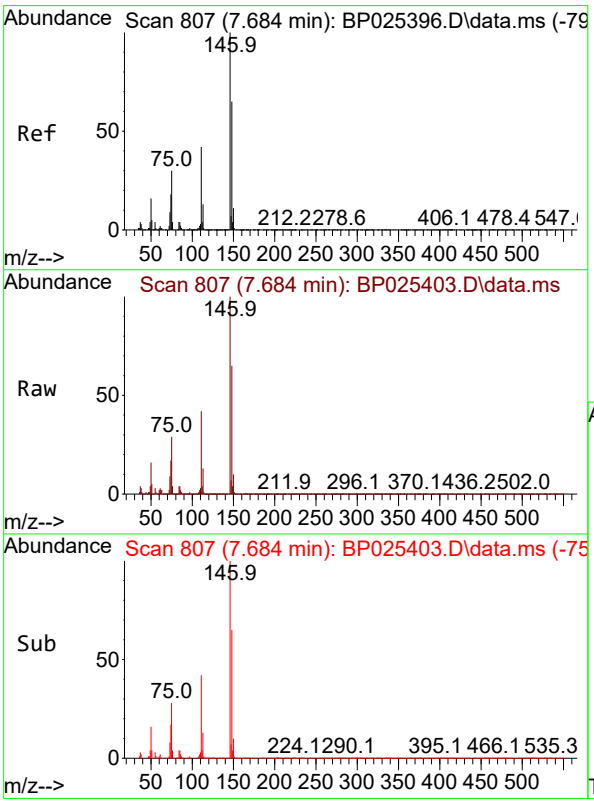
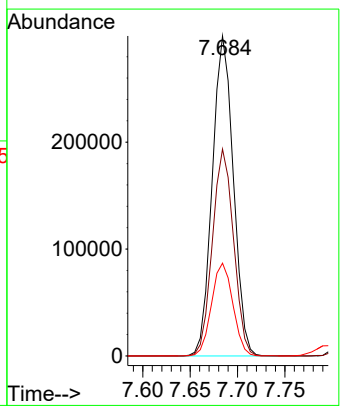
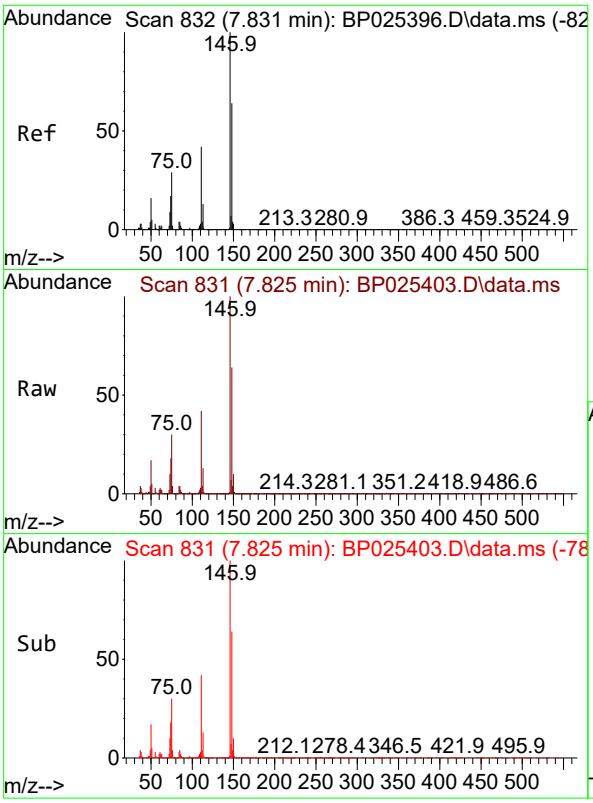


#12
1,3-Dichlorobenzene
Concen: 43.046 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:146 Resp: 463334

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	29.0	23.7	35.5

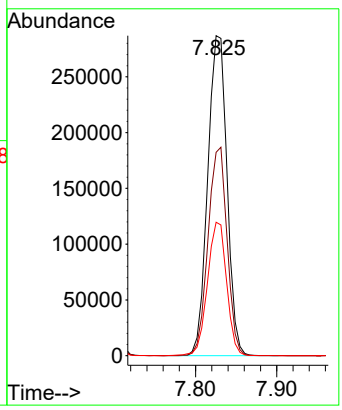




#13
1,4-Dichlorobenzene
Concen: 42.962 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:146 Resp: 47265

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	41.7	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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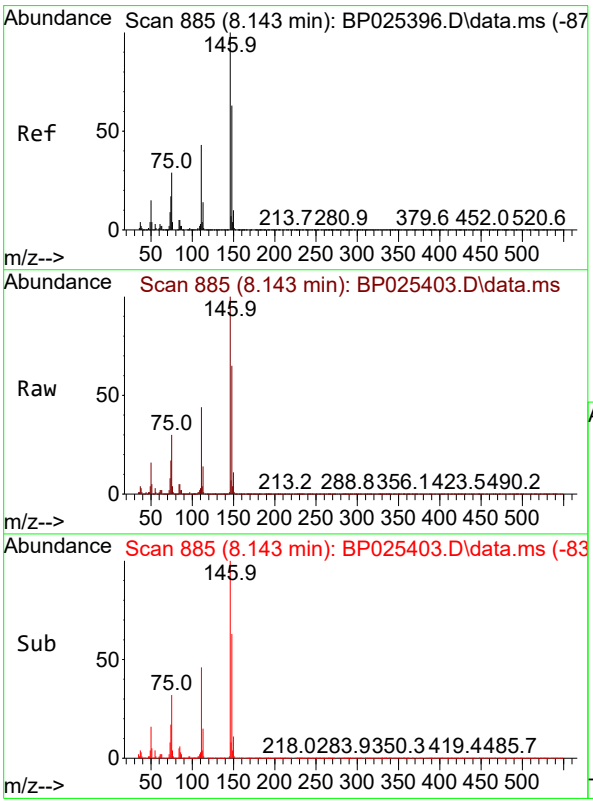
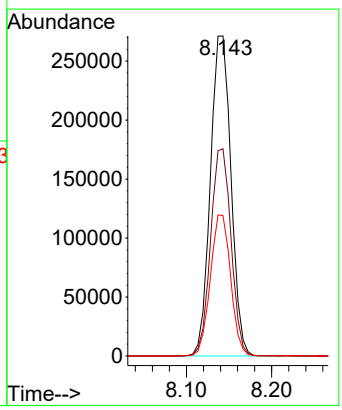
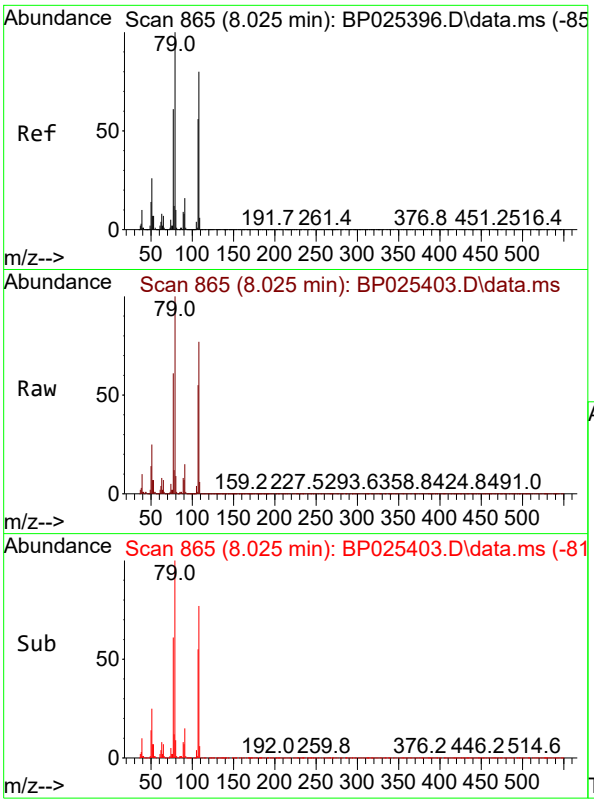


#14
1,2-Dichlorobenzene
Concen: 42.750 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:146 Resp: 455279

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	43.8	34.5	51.7





#15
Benzyl Alcohol
Concen: 45.090 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 79 Resp: 39733

Ion	Ratio	Lower	Upper
79	100		
108	76.9	63.8	95.6
77	61.3	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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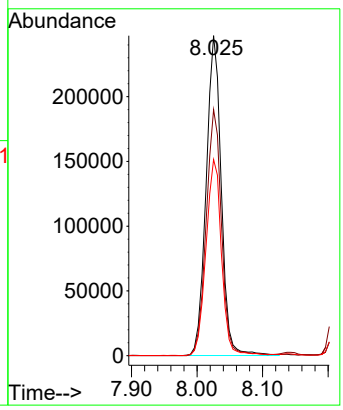
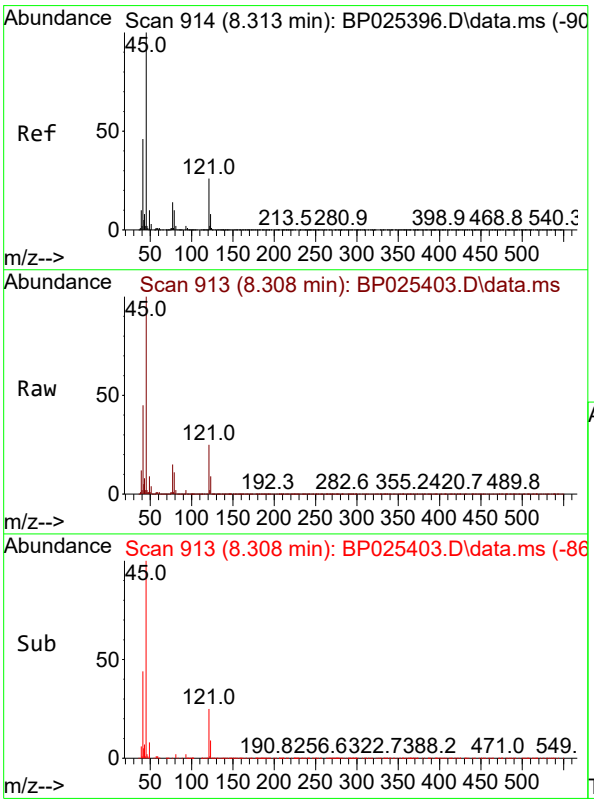
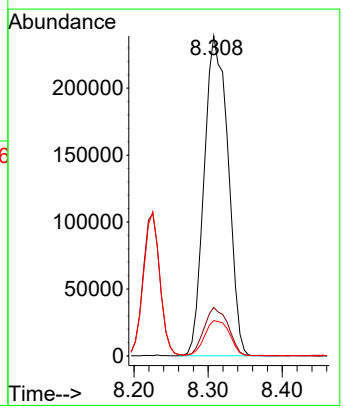


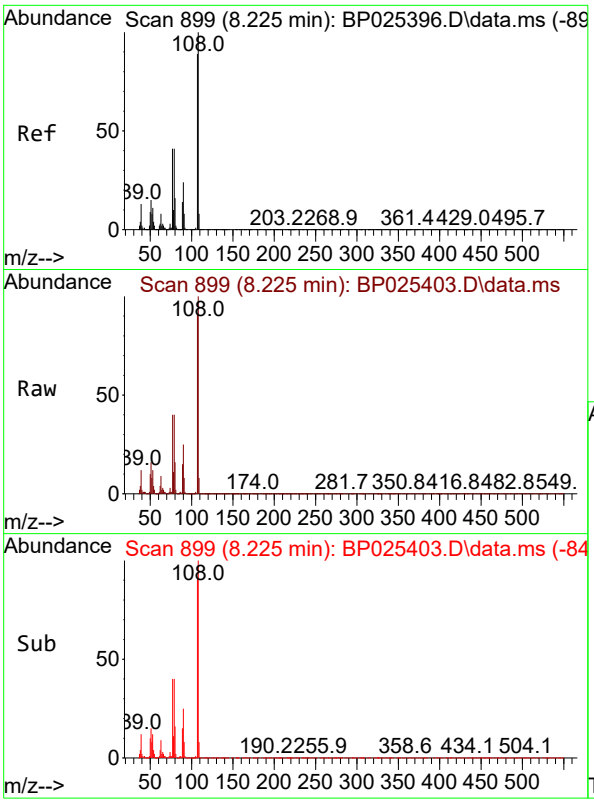


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.944 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 45 Resp: 533952

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.3
79	11.1	0.0	31.8

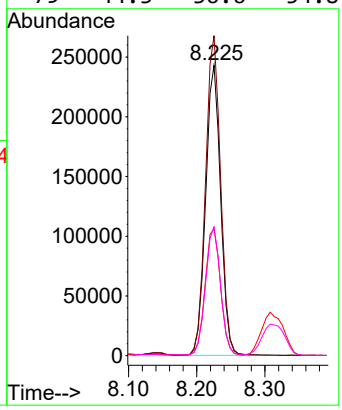




#17
2-Methylphenol
Concen: 45.888 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:107 Resp: 37089

Ion	Ratio	Lower	Upper
107	100		
108	110.2	89.4	134.0
77	43.7	36.3	54.5
79	44.3	36.6	54.8



Instrument :
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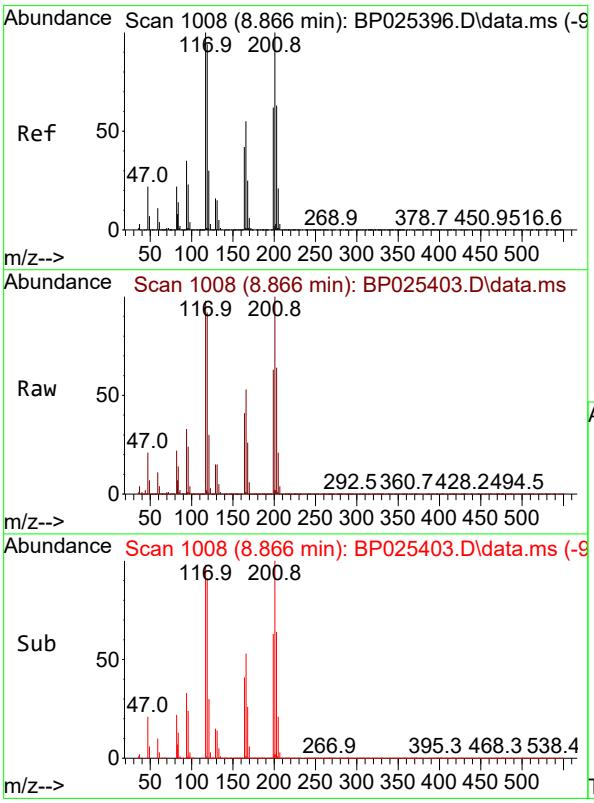
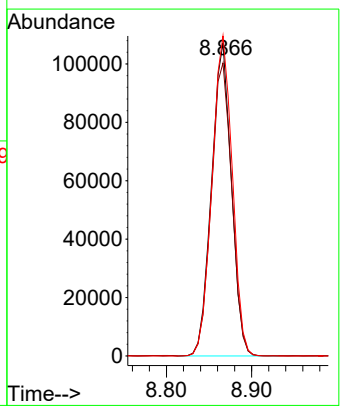
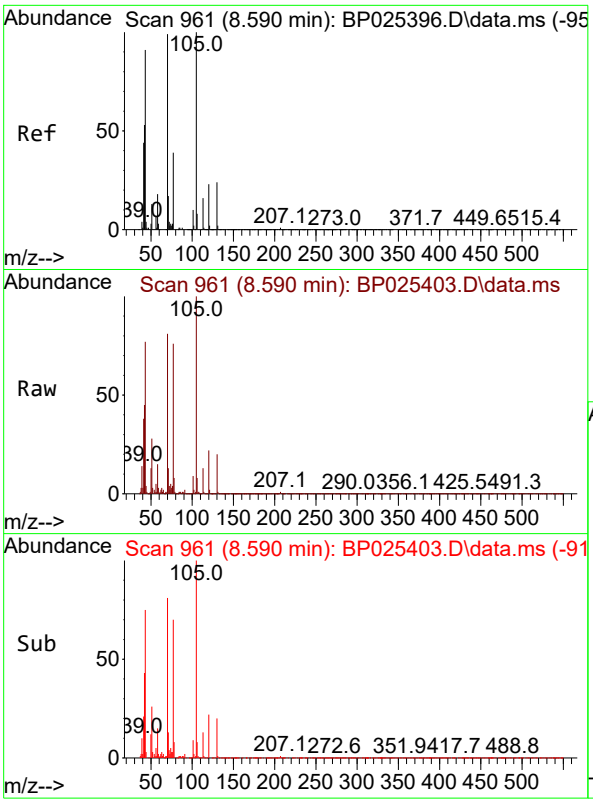


#18
Hexachloroethane
Concen: 42.947 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:117 Resp: 173722

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.1	112.7
201	102.3	80.1	120.1

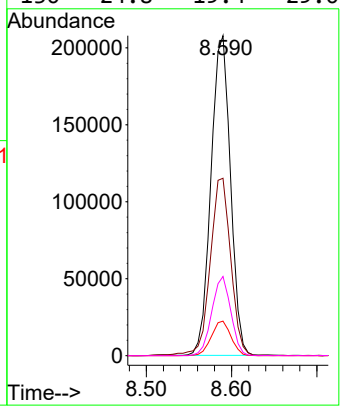




#19
n-Nitroso-di-n-propylamine
Concen: 44.859 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 70 Resp: 32953

Ion	Ratio	Lower	Upper
70	100		
42	55.5	43.8	65.6
101	10.8	8.5	12.7
130	24.8	19.4	29.0



Instrument :
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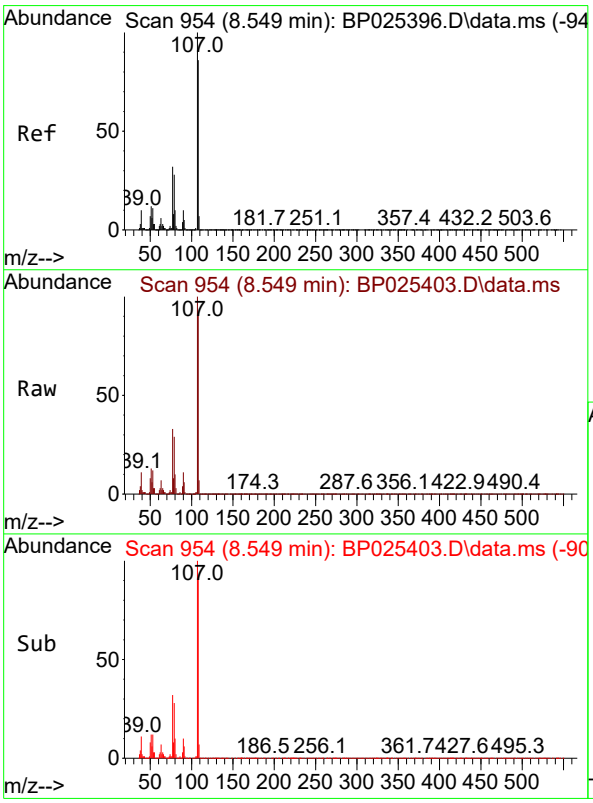
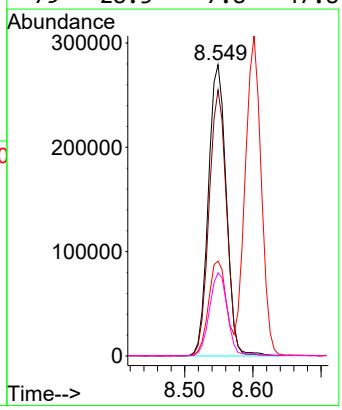
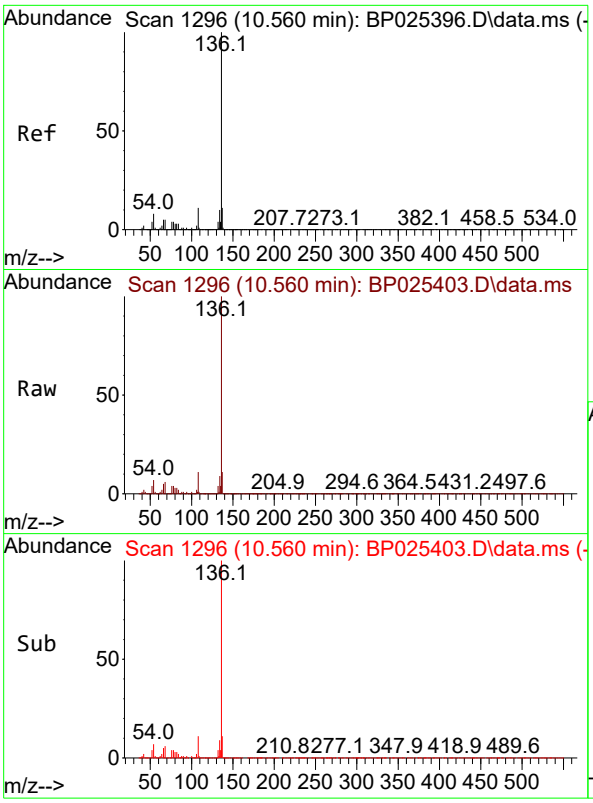


#20
3+4-Methylphenols
Concen: 45.518 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:107 Resp: 509960

Ion	Ratio	Lower	Upper
107	100		
108	91.3	66.3	106.3
77	32.6	12.3	52.3
79	28.5	7.8	47.8

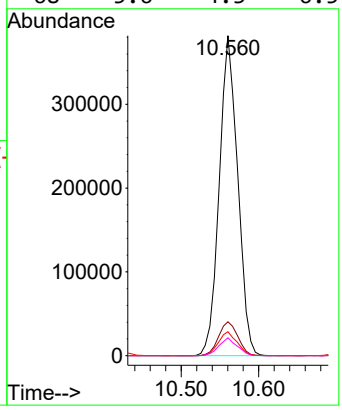




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:136 Resp: 631599

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.5	6.0	9.0
68	5.6	4.3	6.5



Instrument :
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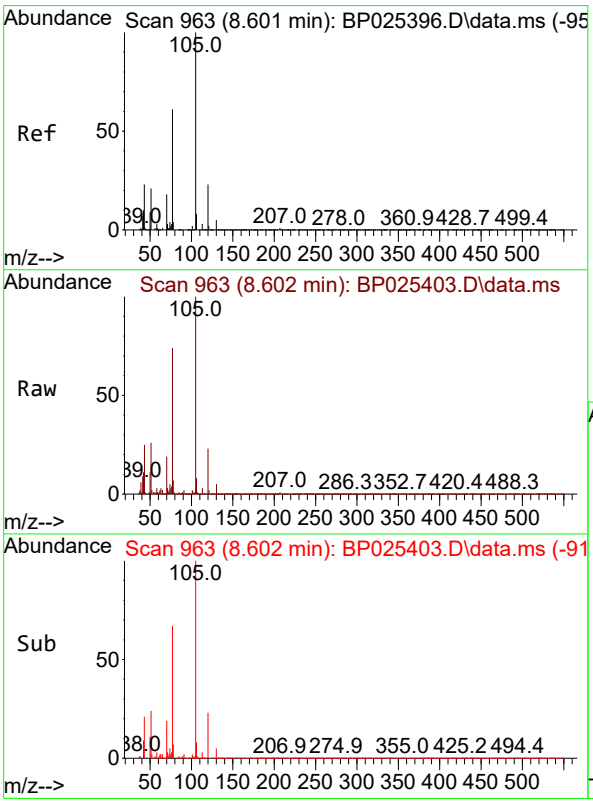
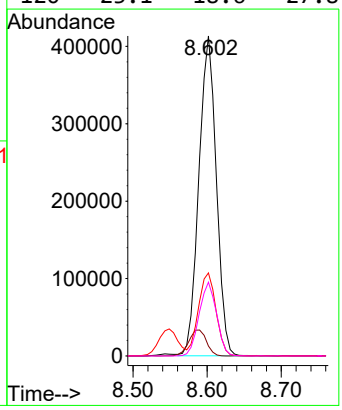
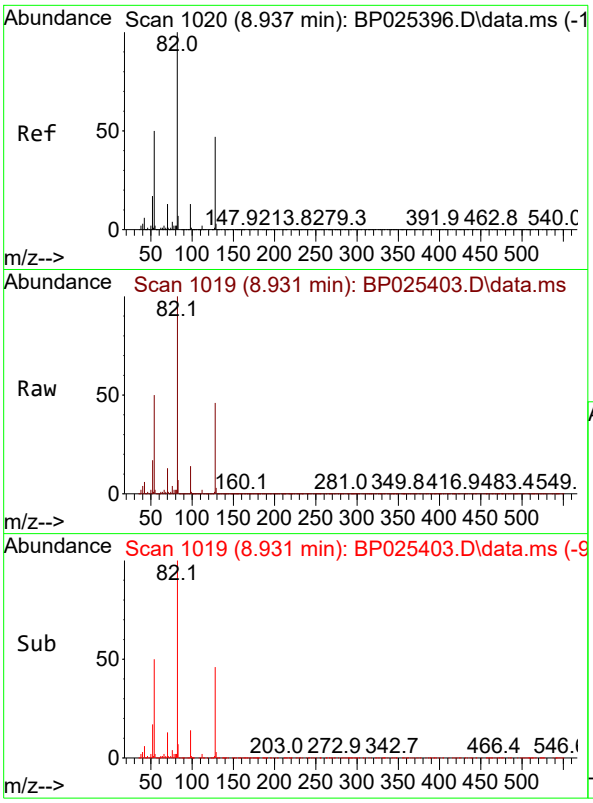


#22
Acetophenone
Concen: 42.684 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:105 Resp: 676089

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	25.9	20.6	30.8
120	23.1	18.6	27.8





#23
Nitrobenzene-d5
Concen: 86.626 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 82 Resp: 108159

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.7	56.5
54	50.2	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
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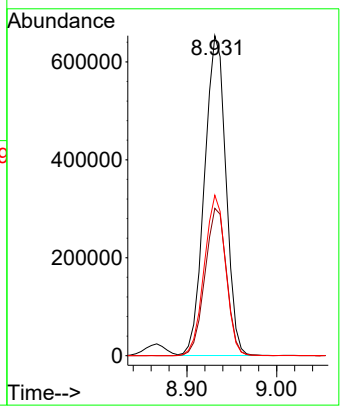
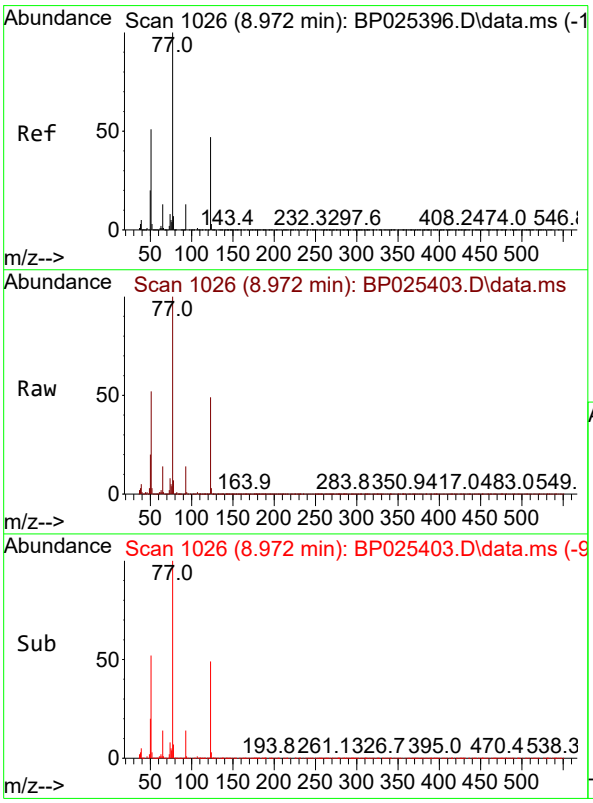
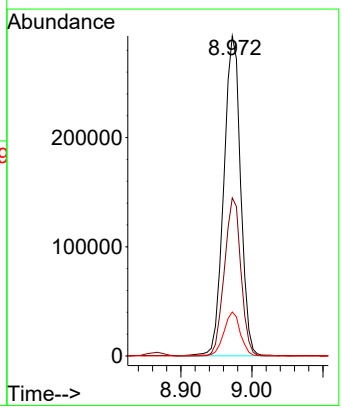


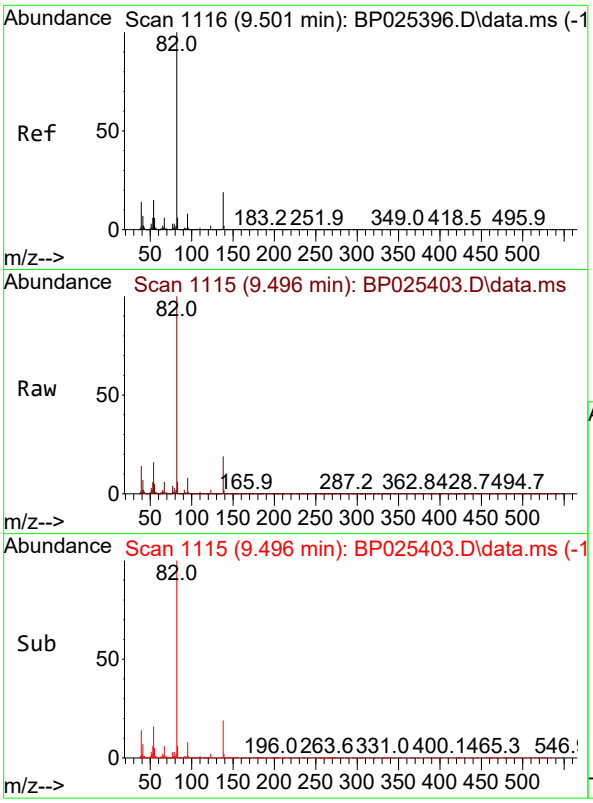


#24
Nitrobenzene
Concen: 43.012 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 77 Resp: 479956

Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.6	58.0
65	13.7	10.6	15.8





#25
Isophorone
Concen: 43.214 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 82 Resp: 95487

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.9	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
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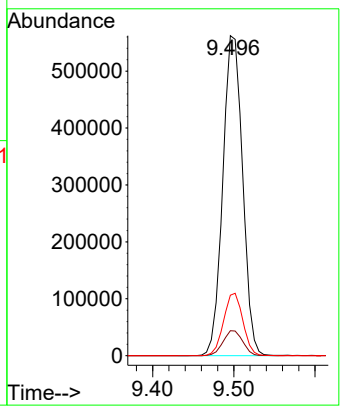
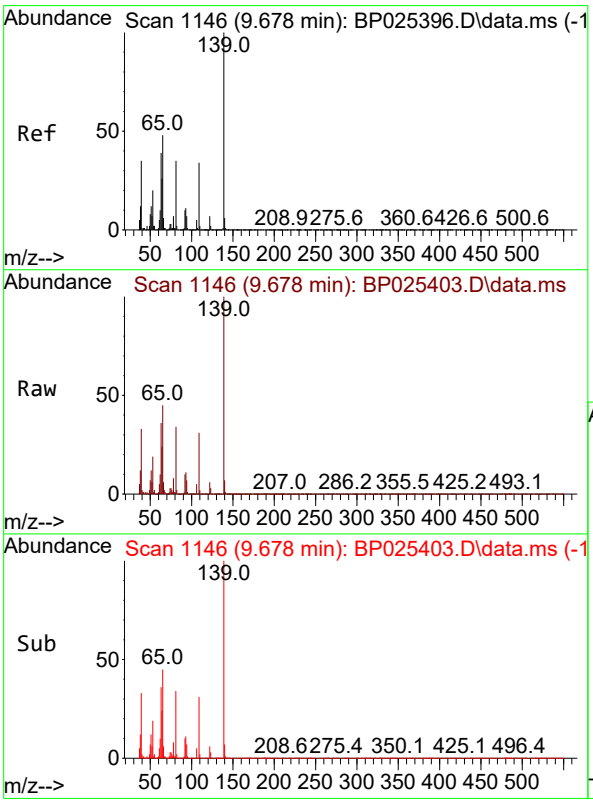
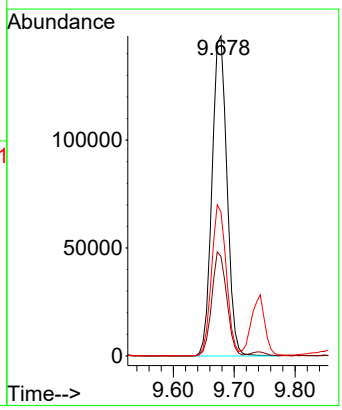


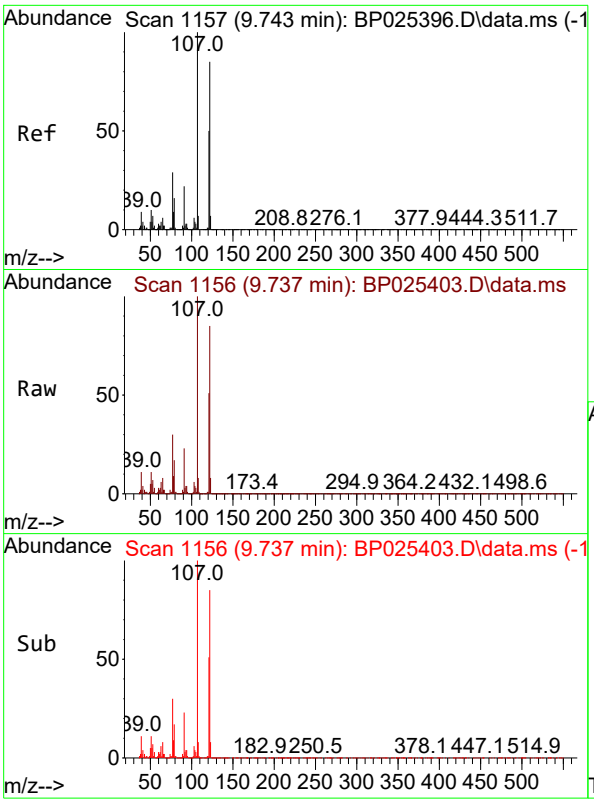


#26
2-Nitrophenol
Concen: 44.186 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:139 Resp: 253040

Ion	Ratio	Lower	Upper
139	100		
109	31.1	26.9	40.3
65	45.0	38.3	57.5

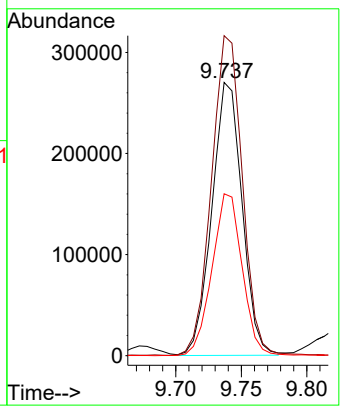




#27
2,4-Dimethylphenol
Concen: 43.871 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:122 Resp: 43205

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	59.2	46.6	69.8



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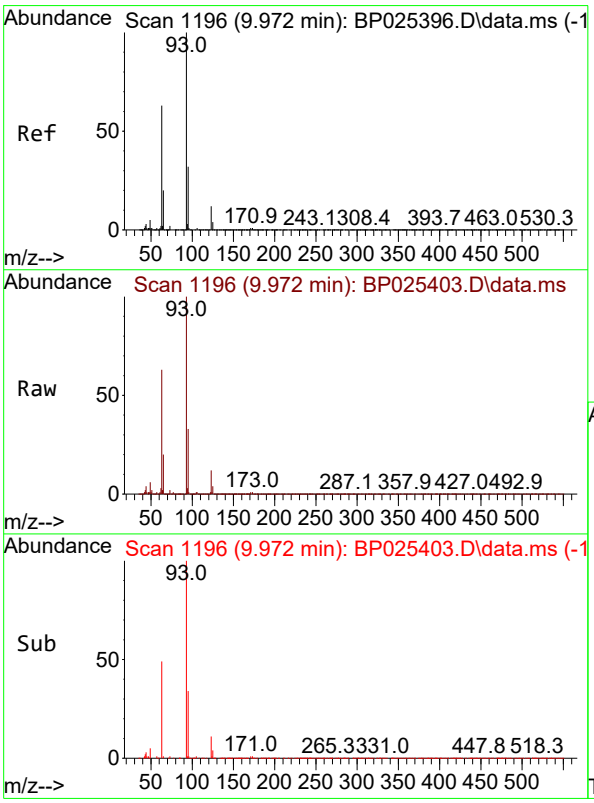
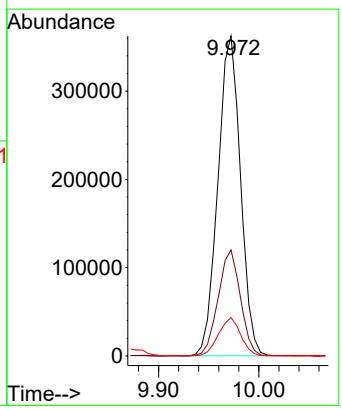
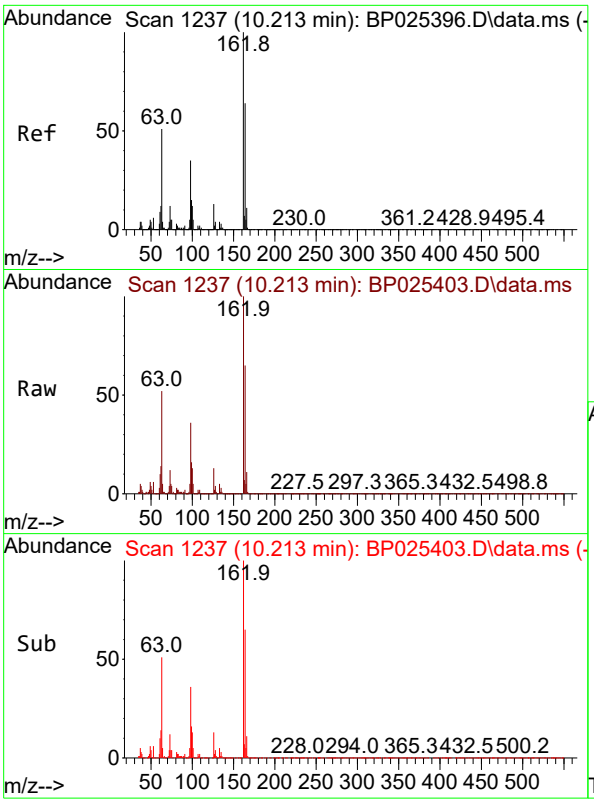


#28
bis(2-Chloroethoxy)methane
Concen: 42.408 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 93 Resp: 566435

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.0
123	12.0	9.4	14.0

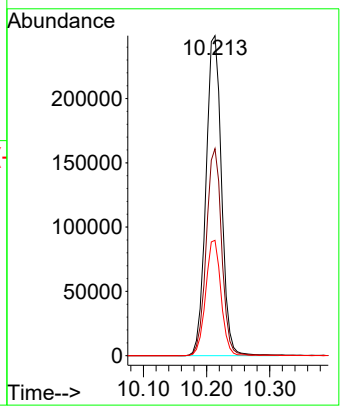




#29
2,4-Dichlorophenol
Concen: 43.578 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:162 Resp: 42632

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	36.1	14.9	54.9



Instrument :
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ClientSampleId :
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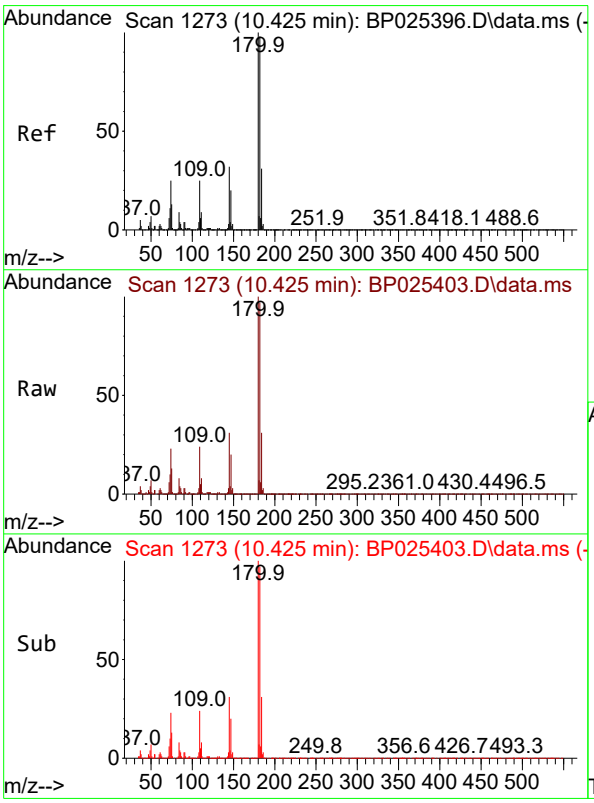
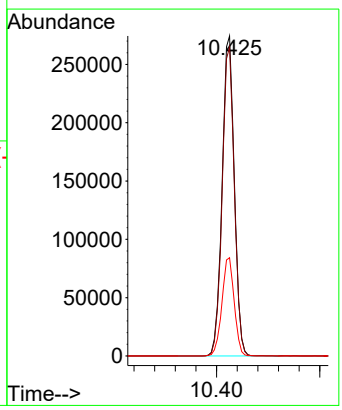
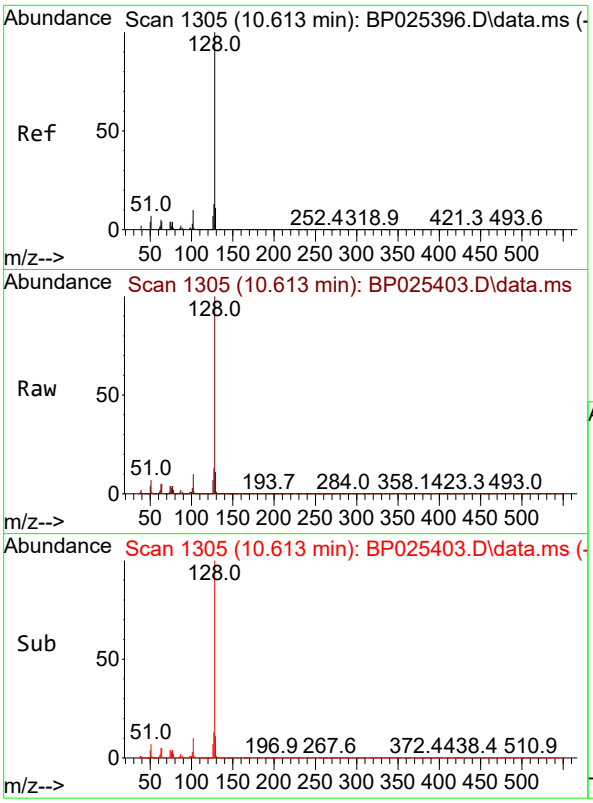


#30
1,2,4-Trichlorobenzene
Concen: 41.812 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:180 Resp: 448415

Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.0	117.0
145	30.7	25.9	38.9

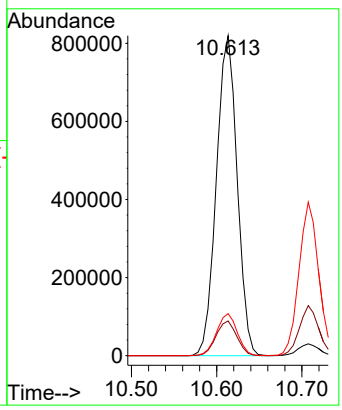




#31
Naphthalene
Concen: 42.388 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:128 Resp: 139150

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1



Instrument :
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ClientSampleId :
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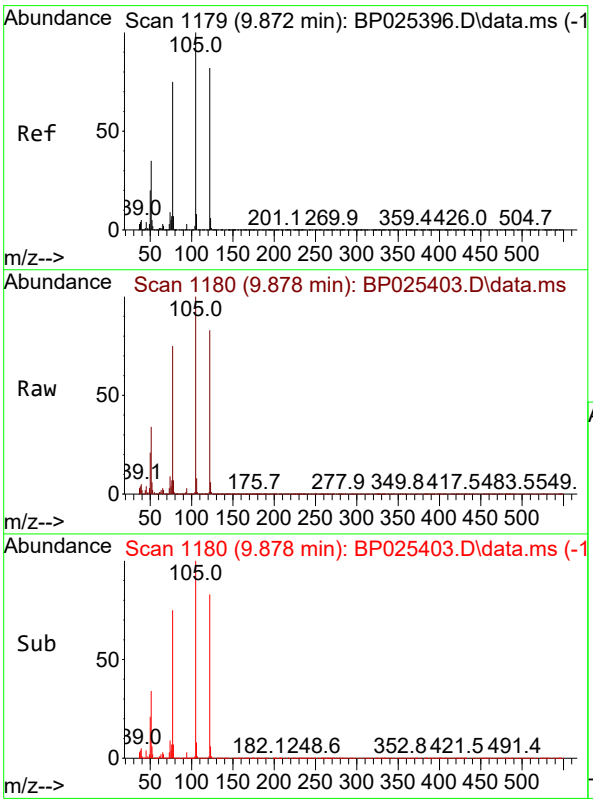
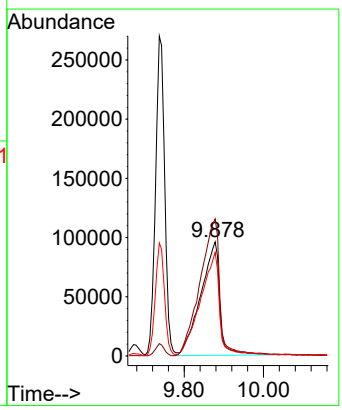
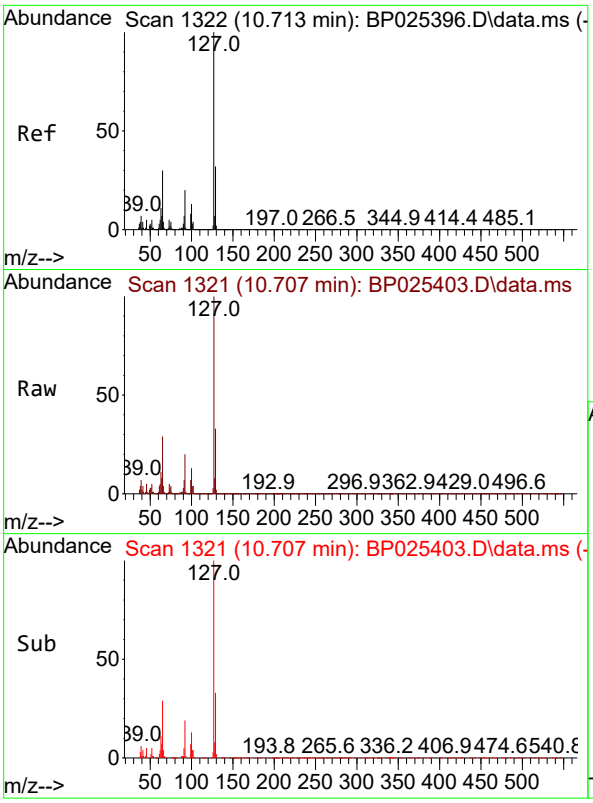


#32
Benzoic acid
Concen: 44.232 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:122 Resp: 321598

Ion	Ratio	Lower	Upper
122	100		
105	120.3	100.6	140.6
77	90.7	71.5	111.5

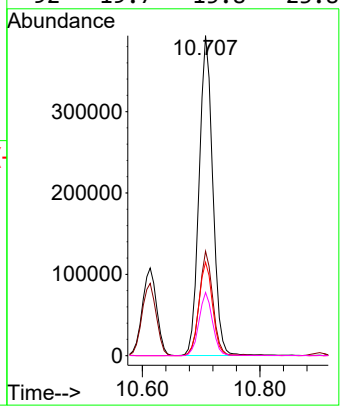




#33
4-Chloroaniline
Concen: 43.849 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:127 Resp: 63583

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	29.2	23.8	35.6
92	19.7	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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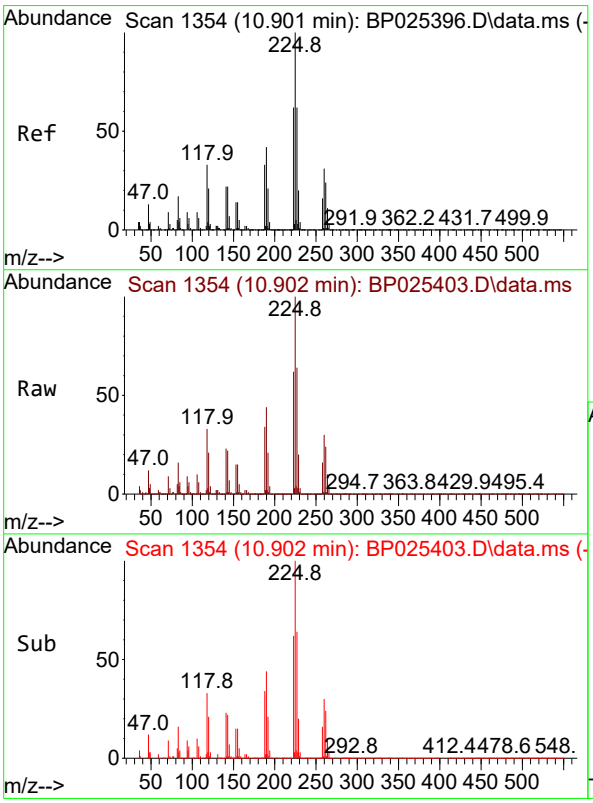
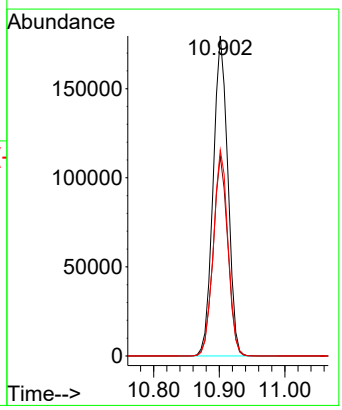
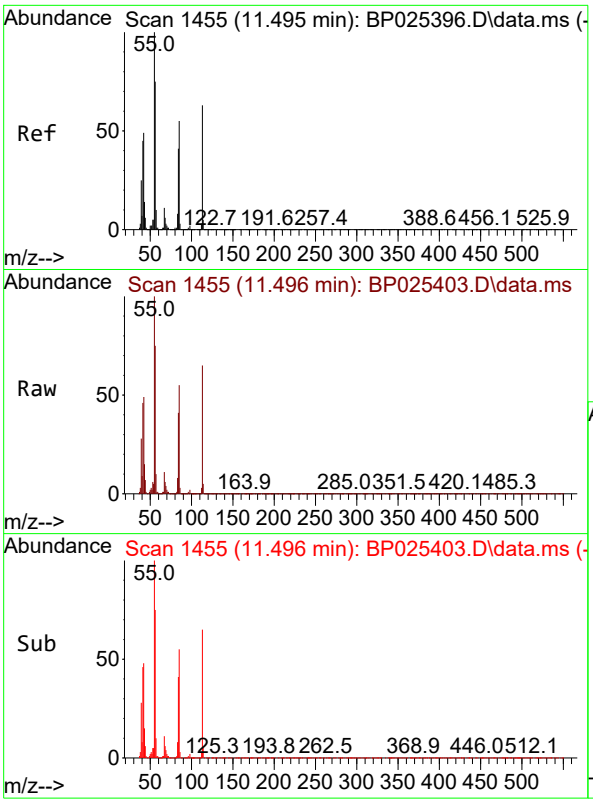


#34
Hexachlorobutadiene
Concen: 41.613 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:225 Resp: 277933

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	64.4	49.7	74.5

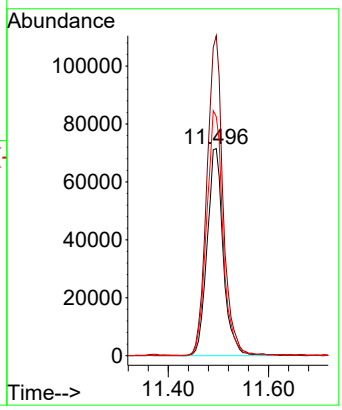




#35
Caprolactam
Concen: 44.362 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:113 Resp: 15913

Ion	Ratio	Lower	Upper
113	100		
55	154.5	140.0	180.0
56	115.5	100.0	140.0



Instrument :
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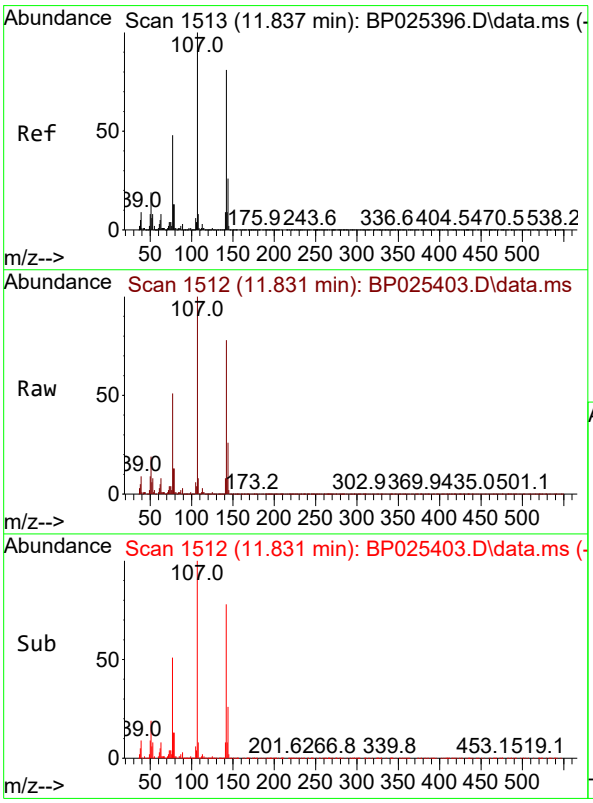
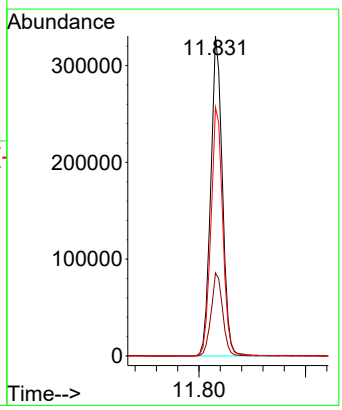
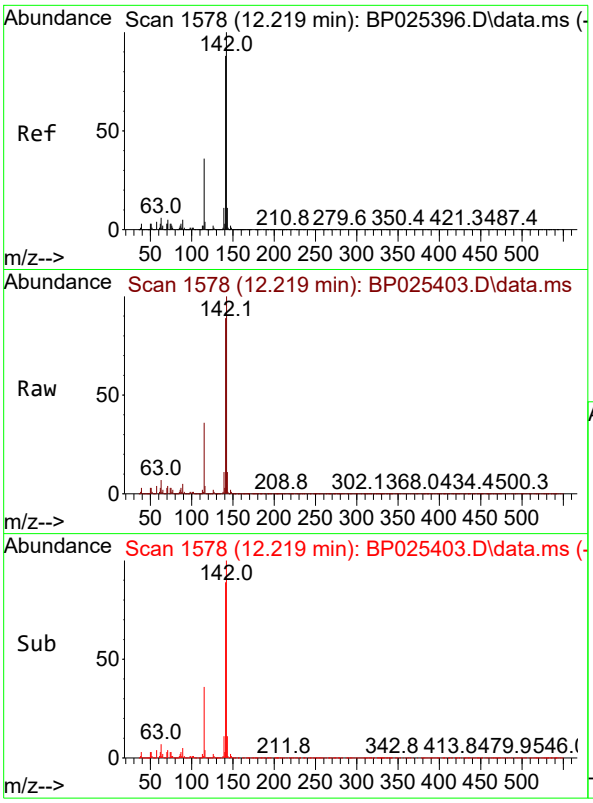


#36
4-Chloro-3-methylphenol
Concen: 44.631 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:107 Resp: 501026

Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.0	31.4
142	77.7	64.6	97.0

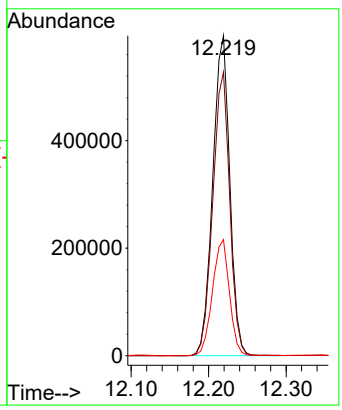




#37
2-Methylnaphthalene
Concen: 42.582 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:142 Resp: 90969

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	36.2	28.9	43.3



Instrument :
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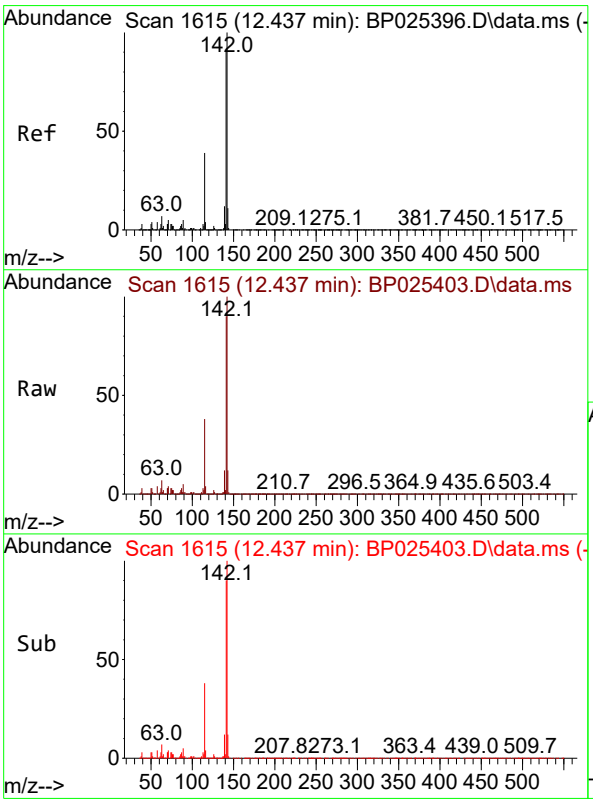
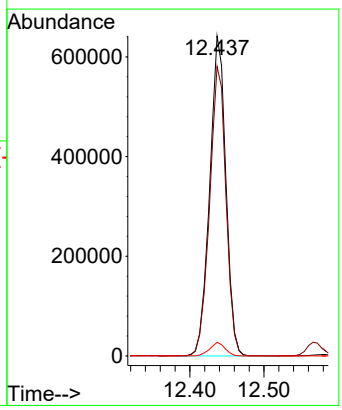
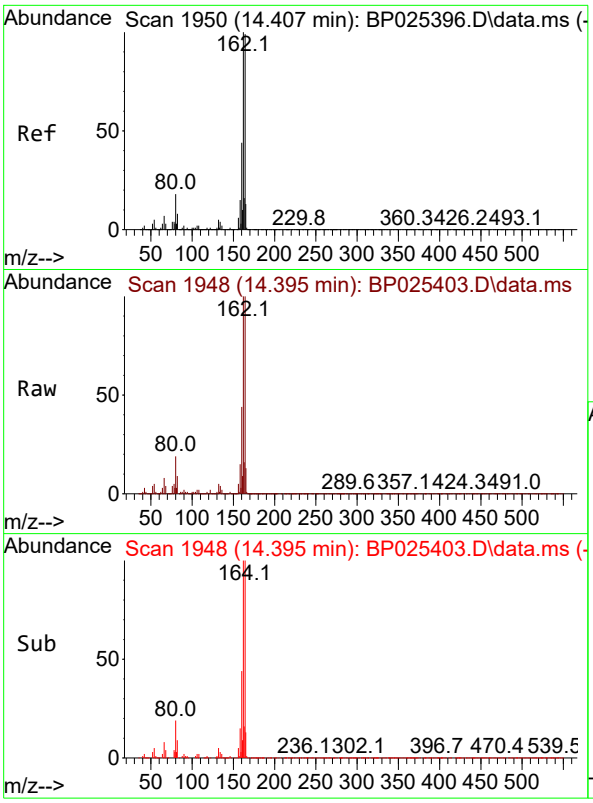


#38
1-Methylnaphthalene
Concen: 42.786 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:142 Resp: 972063

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.1	109.7
116	4.2	3.2	4.8

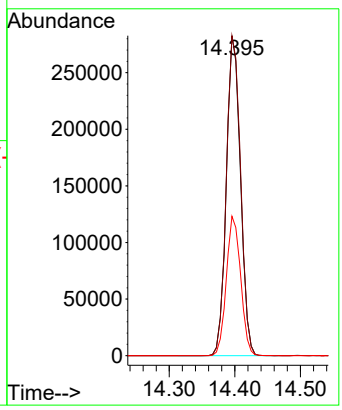




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:164 Resp: 42081

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.0	121.6
160	43.5	35.4	53.2



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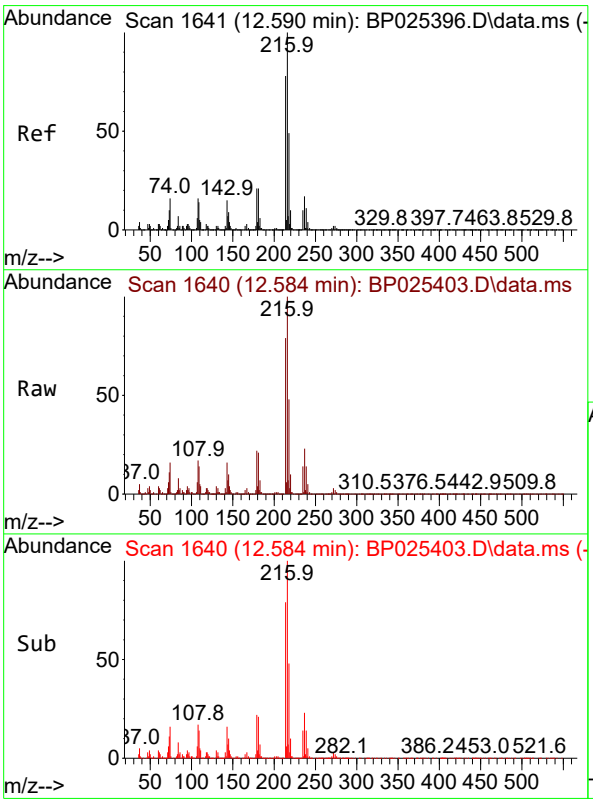
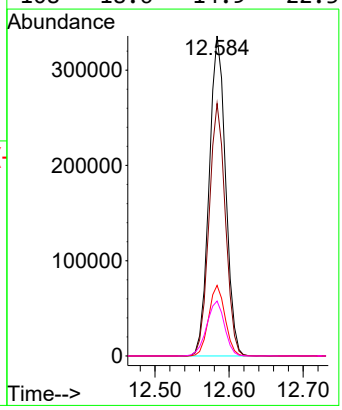
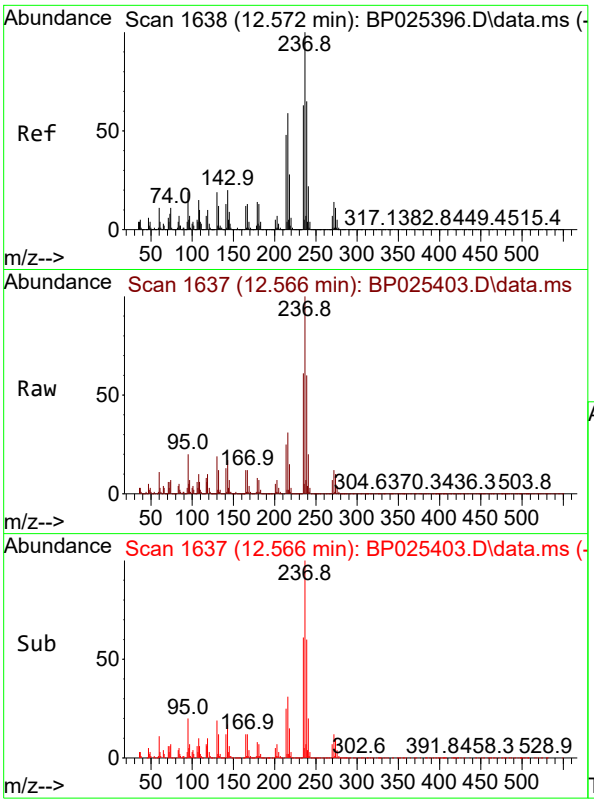


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.619 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:216 Resp: 517974

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	21.9	17.1	25.7
108	18.6	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 45.147 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:237 Resp: 33143

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.7	82.7
272	12.0	0.0	34.0

Instrument :
BNA_P
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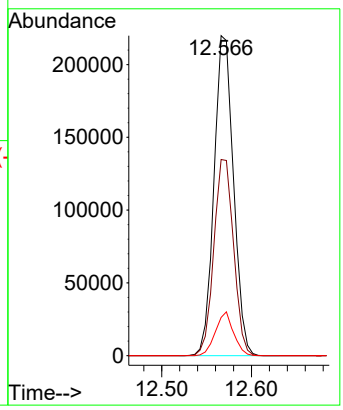
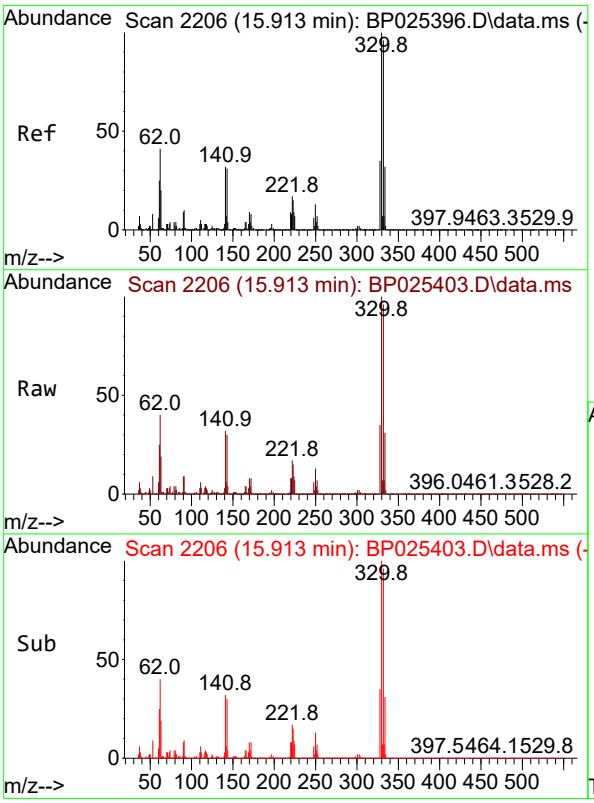
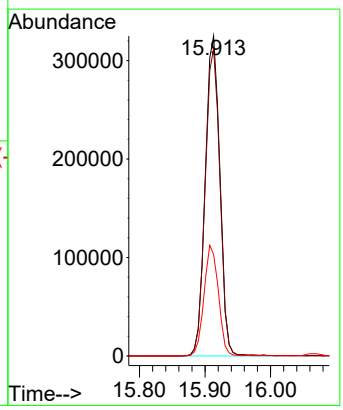


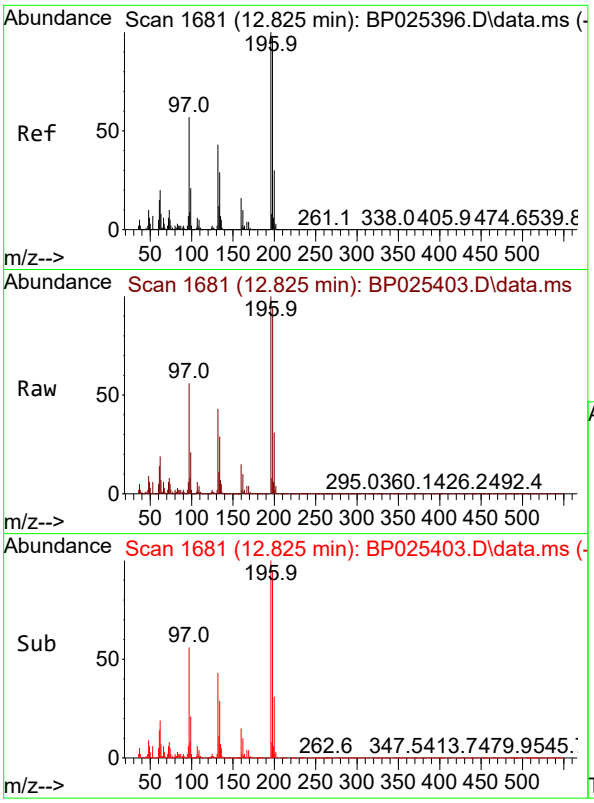


#42
2,4,6-Tribromophenol
Concen: 89.305 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:330 Resp: 505840

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	34.0	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 44.402 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:196 Resp: 36431

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.2	115.8
200	31.0	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
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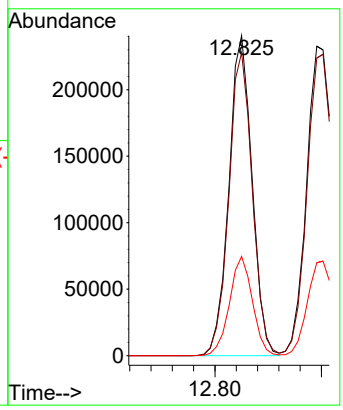
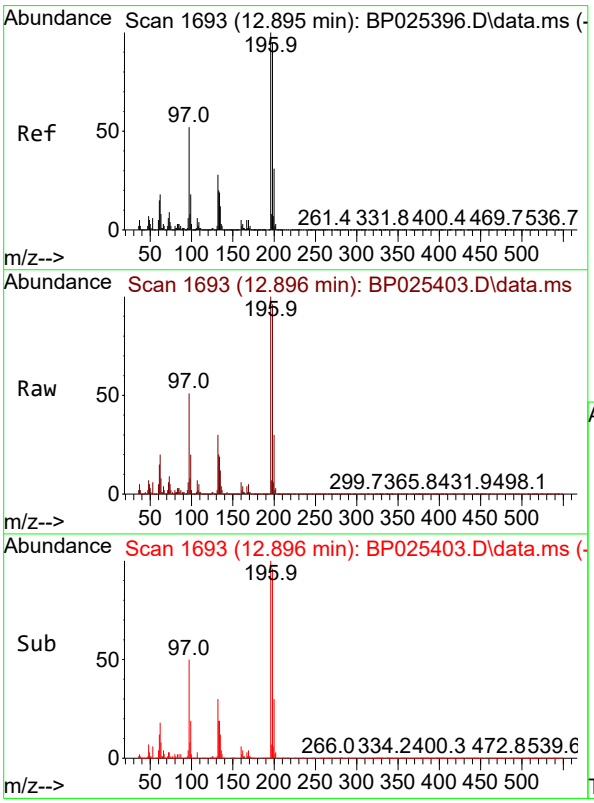
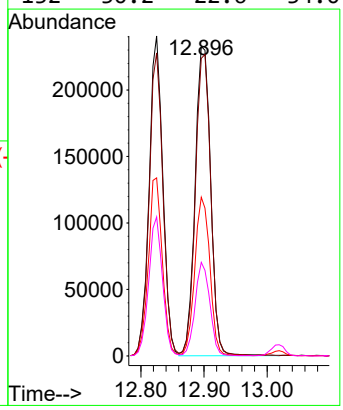


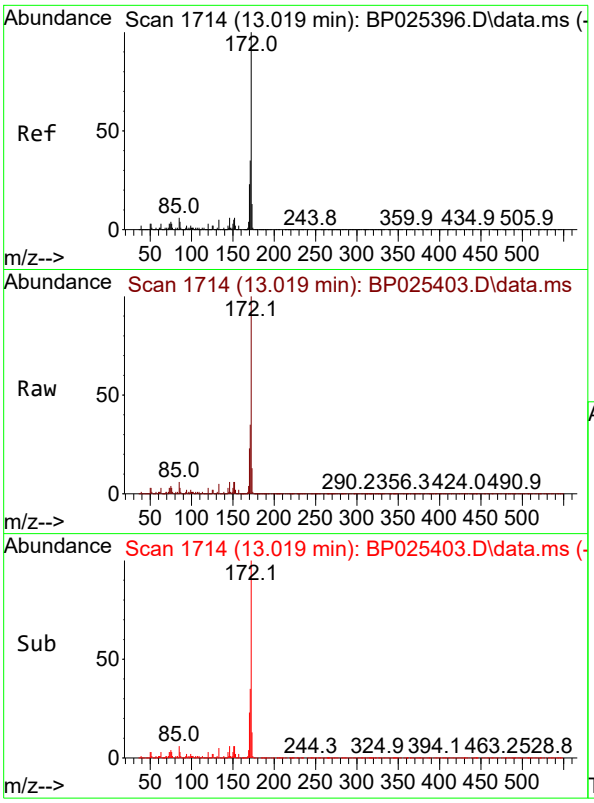


#44
2,4,5-Trichlorophenol
Concen: 44.283 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:196 Resp: 398216

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
97	51.3	41.2	61.8
132	30.2	22.6	34.0

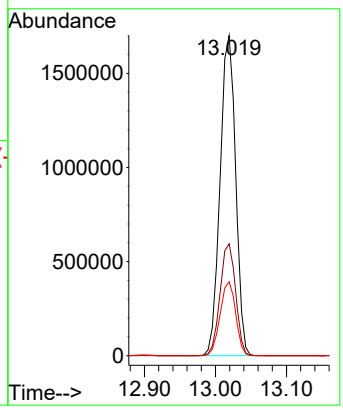




#45
2-Fluorobiphenyl
Concen: 83.658 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:172 Resp: 257589

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.1	18.6	28.0



Instrument :
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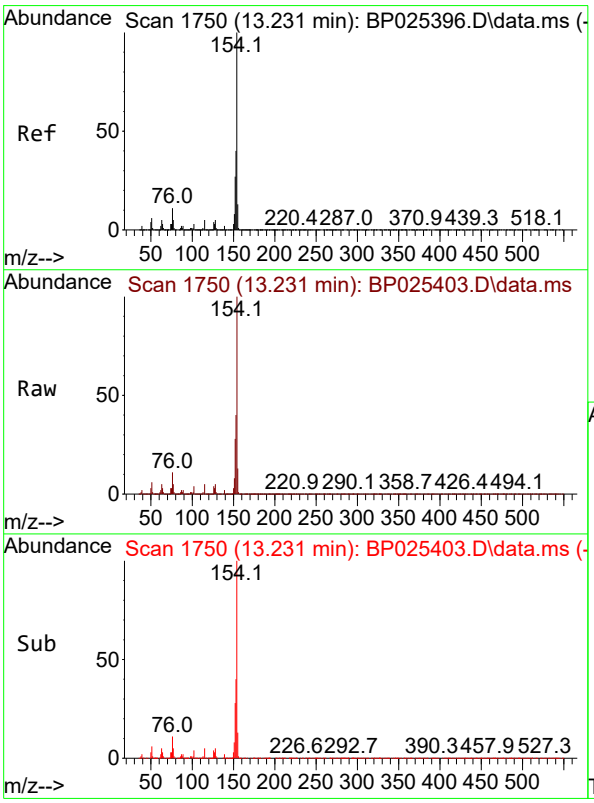
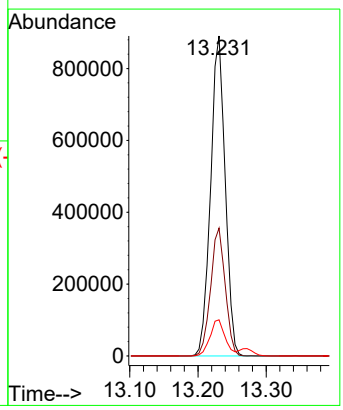
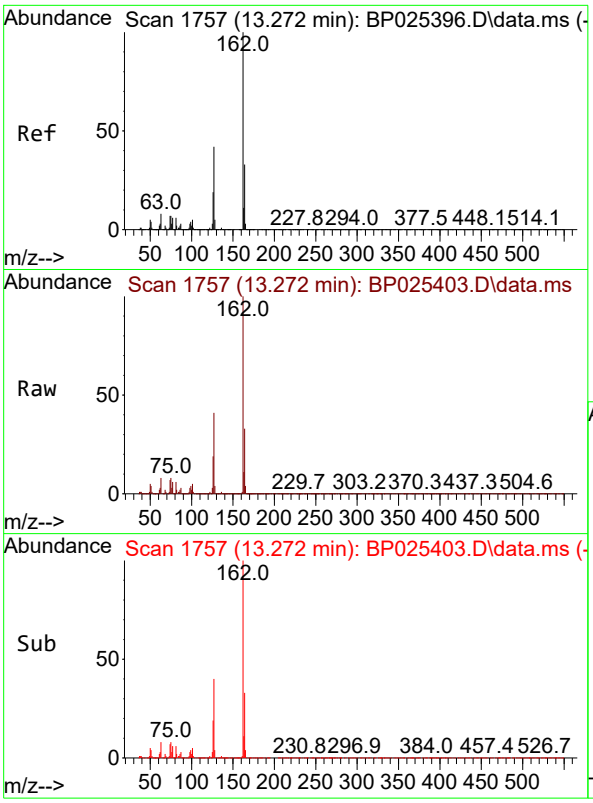


#46
1,1'-Biphenyl
Concen: 43.338 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:154 Resp: 1324483

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.5	59.5
76	11.3	0.0	31.1

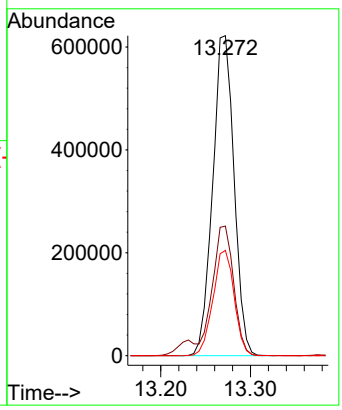




#47
2-Chloronaphthalene
Concen: 43.221 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:162 Resp: 102832

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.9	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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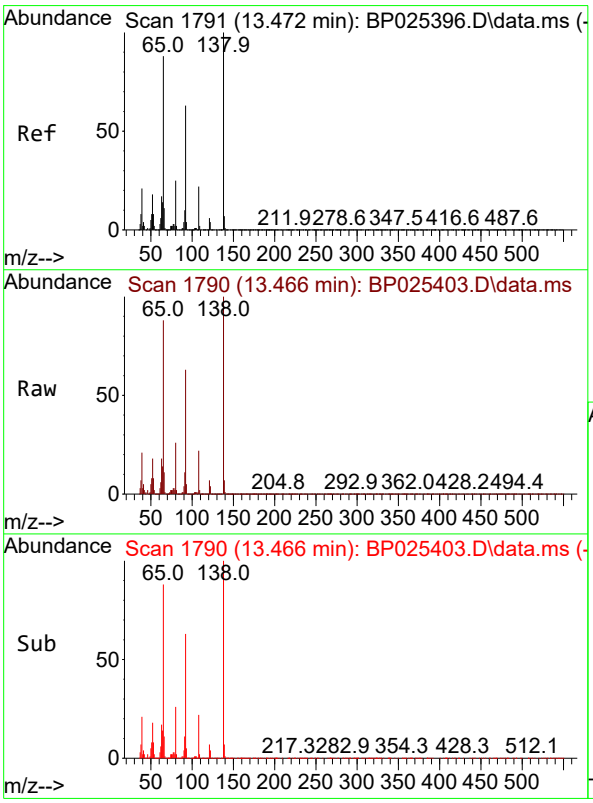
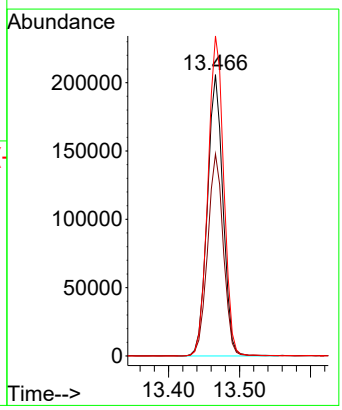
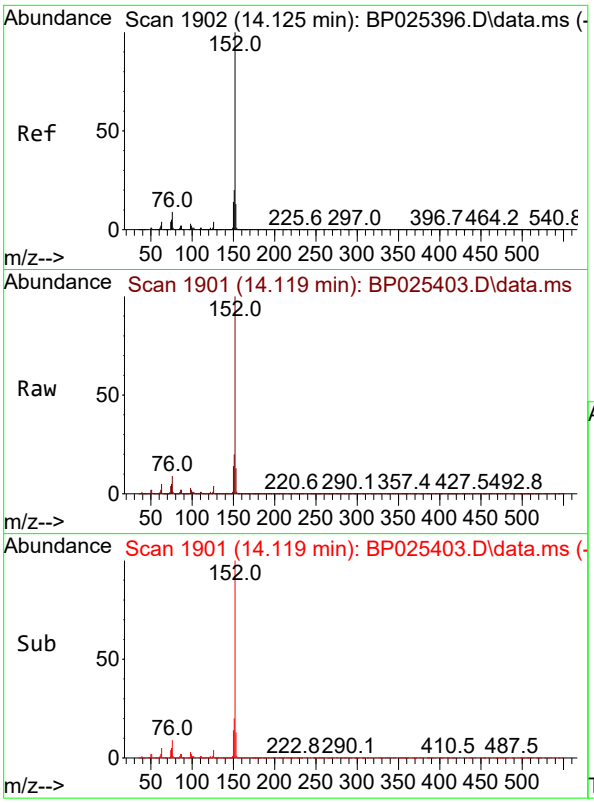


#48
2-Nitroaniline
Concen: 45.370 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 65 Resp: 314525

Ion	Ratio	Lower	Upper
65	100		
92	71.8	57.6	86.4
138	113.8	91.0	136.6

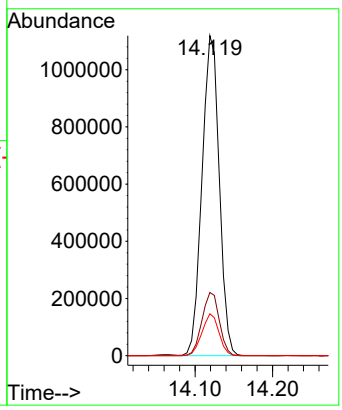




#49
Acenaphthylene
Concen: 43.899 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:152 Resp: 172827

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



Instrument :
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ClientSampleId :
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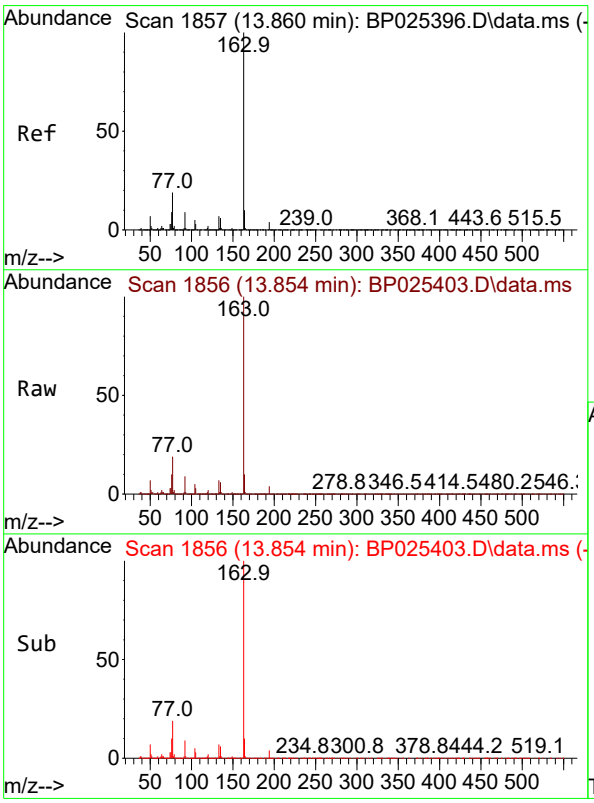
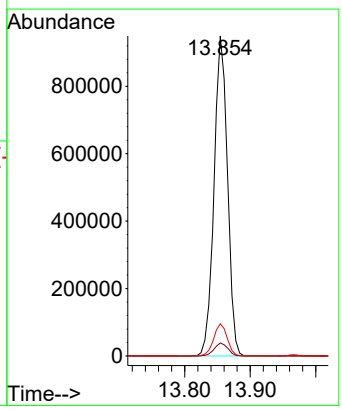
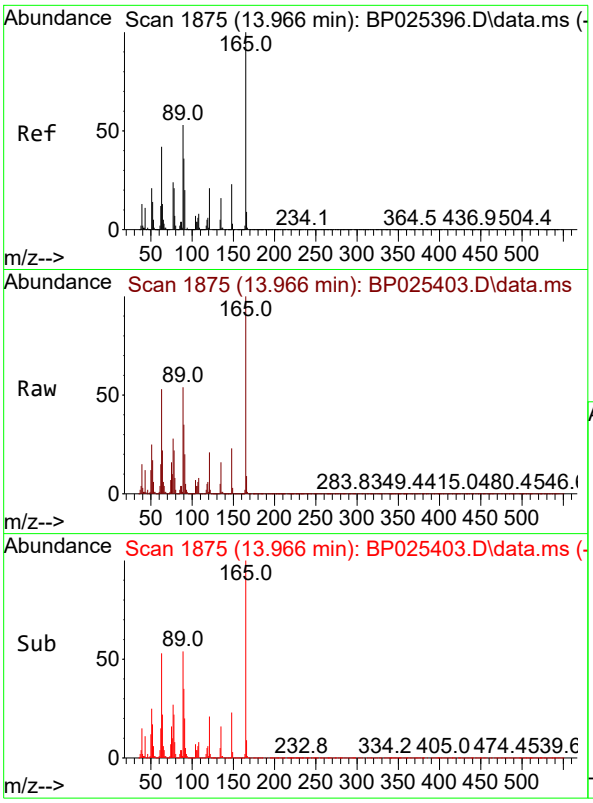


#50
Dimethylphthalate
Concen: 43.709 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:163 Resp: 1346941

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 45.364 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:165 Resp: 29464

Ion	Ratio	Lower	Upper
165	100		
63	52.9	40.9	61.3
89	54.2	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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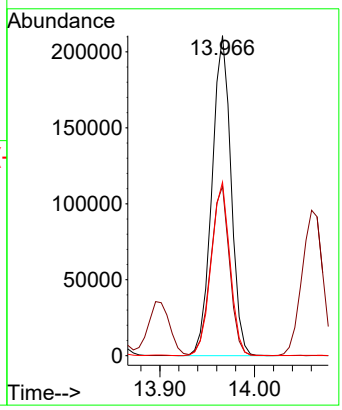
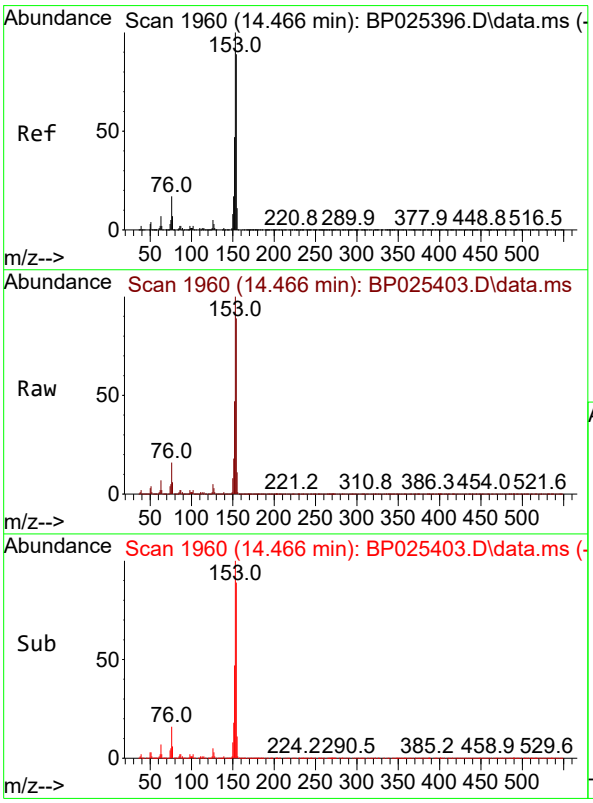
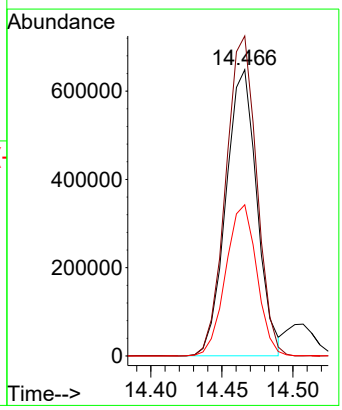


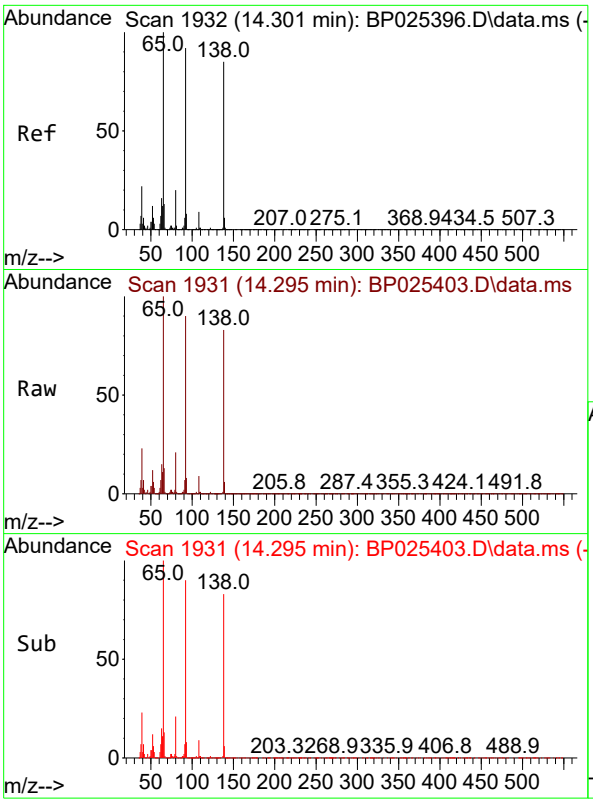


#52
Acenaphthene
Concen: 42.587 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:154 Resp: 984150

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	52.9	42.1	63.1





#53
3-Nitroaniline
Concen: 44.858 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:138 Resp: 32780

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	108.5	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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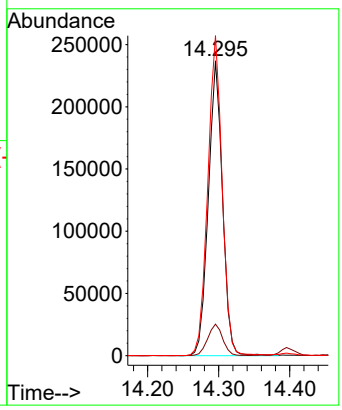
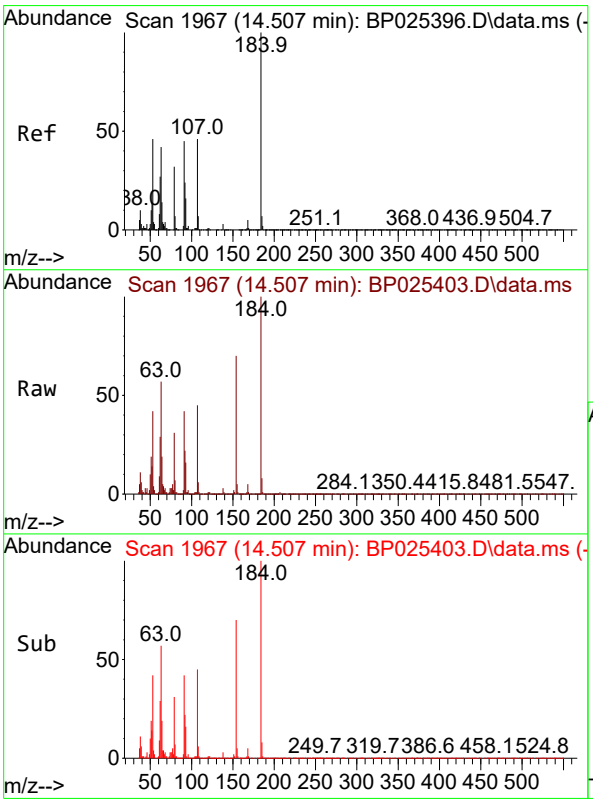
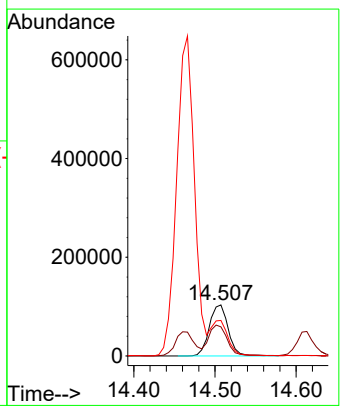


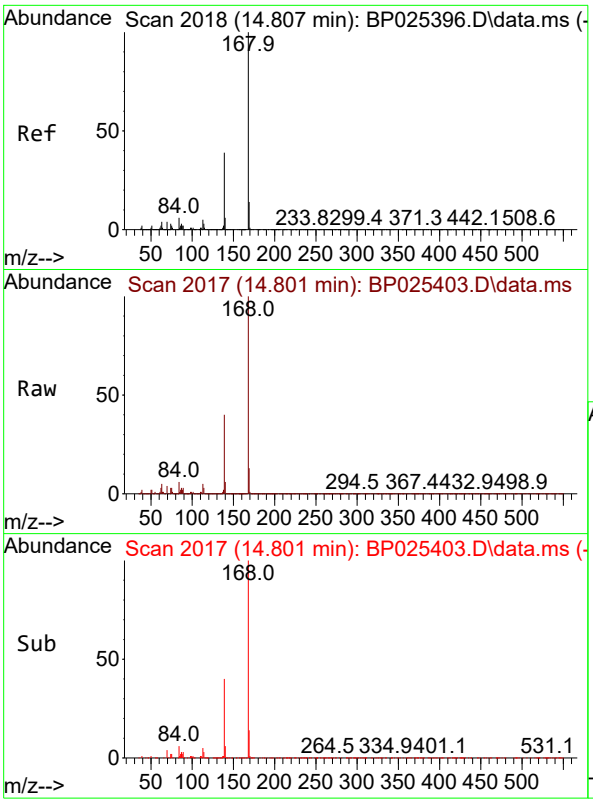


#54
2,4-Dinitrophenol
Concen: 48.211 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:184 Resp: 167222

Ion	Ratio	Lower	Upper
184	100		
63	57.0	49.4	74.2
154	69.7	54.6	82.0

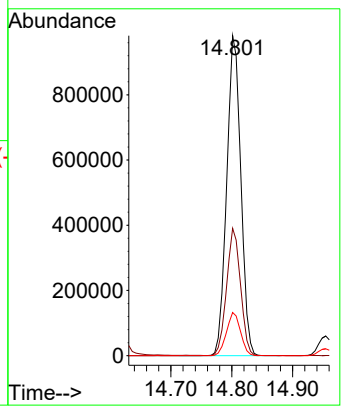




#55
Dibenzofuran
Concen: 43.256 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:168 Resp: 158037

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.5	47.3
169	13.5	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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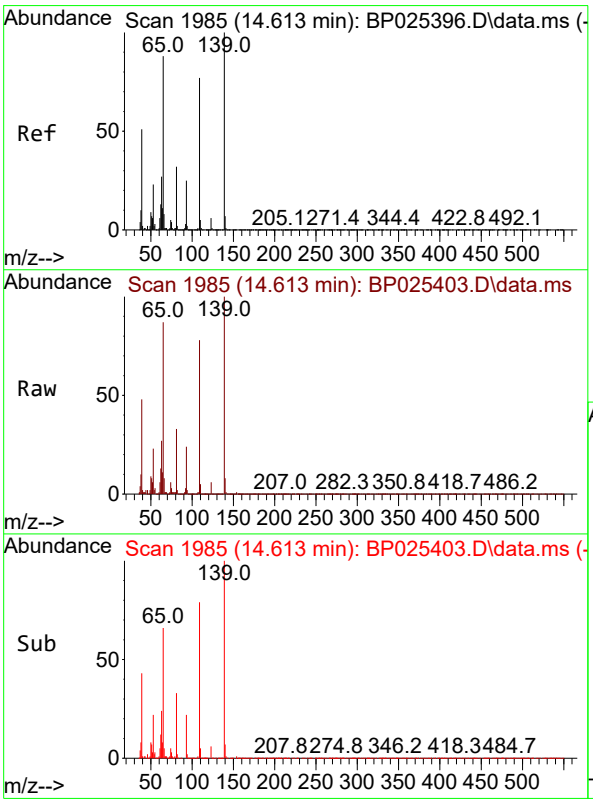
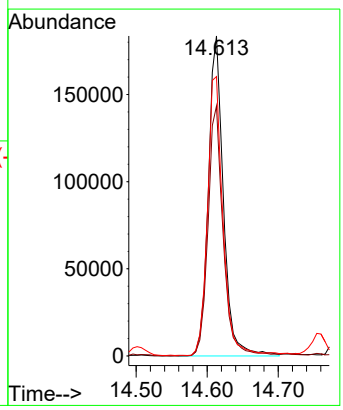
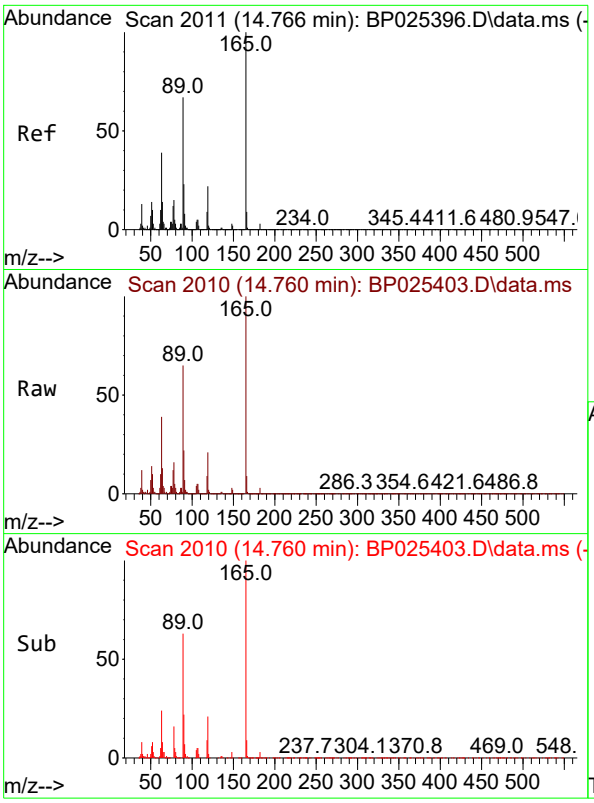


#56
4-Nitrophenol
Concen: 45.122 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:139 Resp: 270955

Ion	Ratio	Lower	Upper
139	100		
109	78.1	56.6	96.6
65	87.3	68.2	108.2

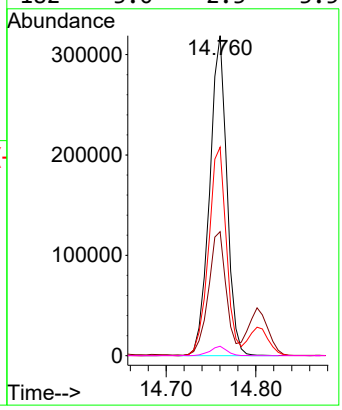




#57
2,4-Dinitrotoluene
Concen: 45.922 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:165 Resp: 42555

Ion	Ratio	Lower	Upper
165	100		
63	38.8	31.4	47.2
89	65.1	53.3	79.9
182	3.0	2.3	3.5



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ClientSampleId :
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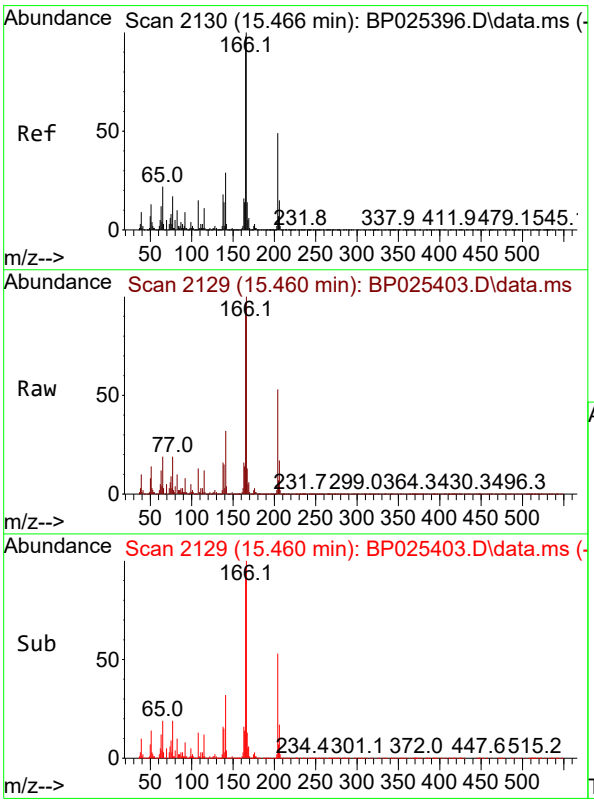
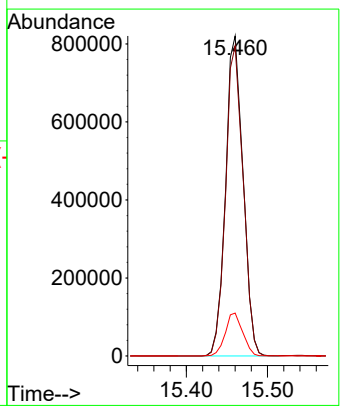
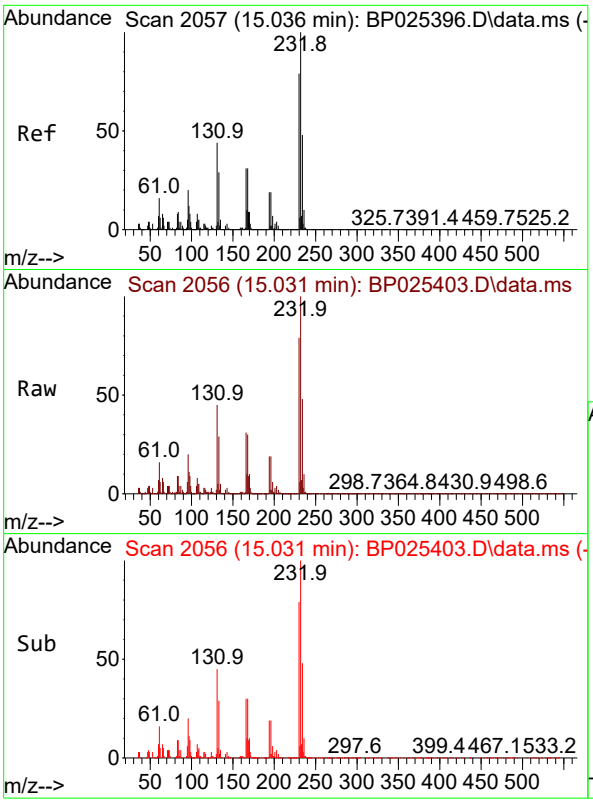


#58
Fluorene
Concen: 42.602 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:166 Resp: 1228185

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	13.4	11.0	16.4

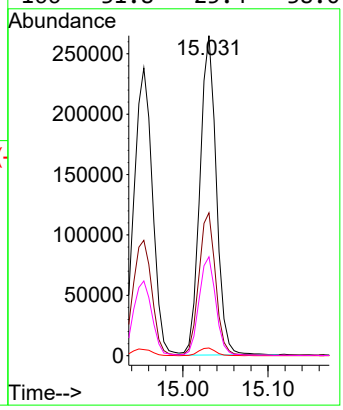




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.447 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:232 Resp: 35292

Ion	Ratio	Lower	Upper
232	100		
131	45.7	37.0	55.6
130	2.5	1.9	2.9
166	31.8	25.4	38.0



Instrument :
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ClientSampleId :
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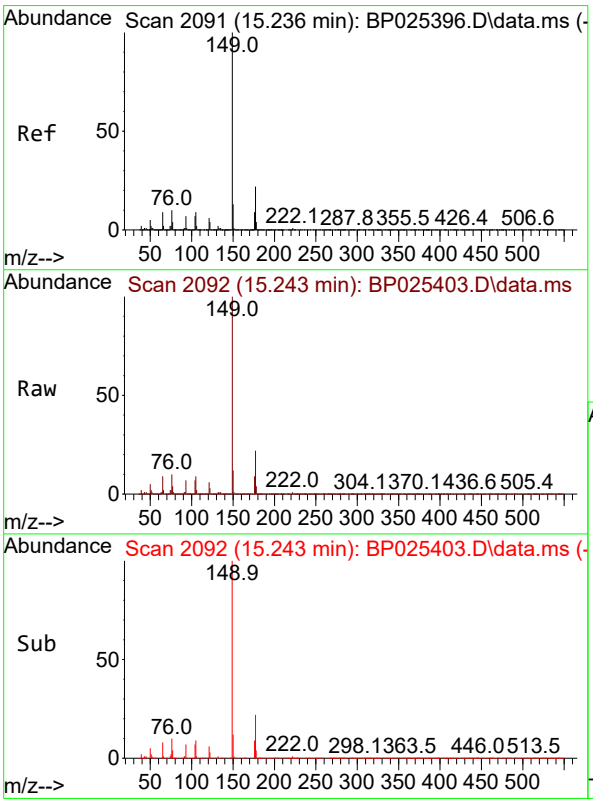
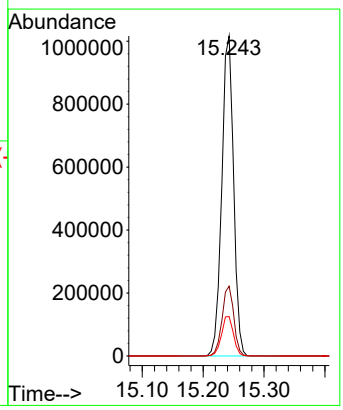
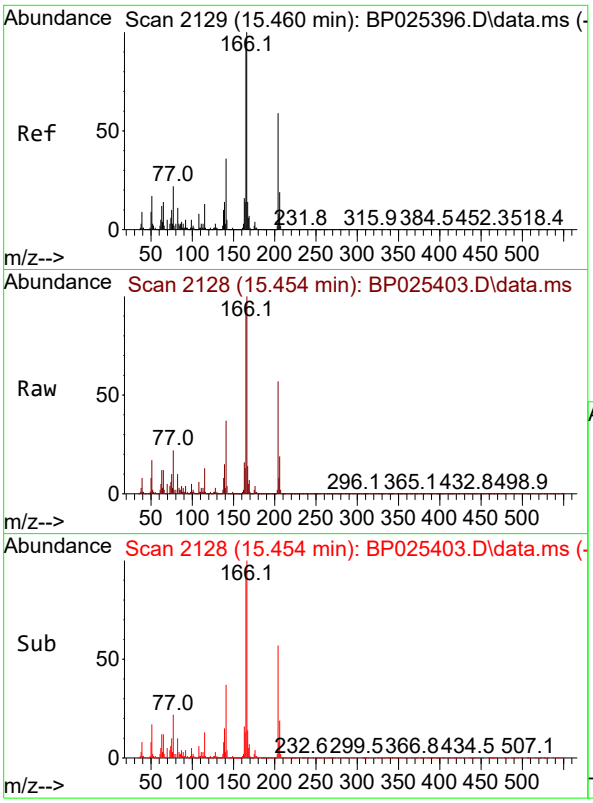


#60
Diethylphthalate
Concen: 43.604 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1365325

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.3	10.3	15.5

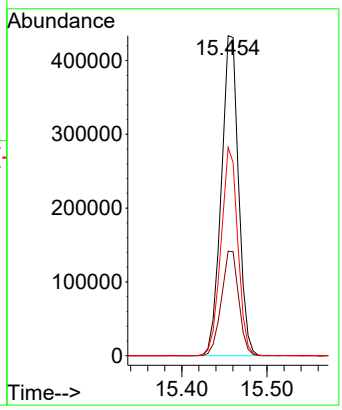




#61
4-Chlorophenyl-phenylether
Concen: 42.427 ng
RT: 15.454 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:204 Resp: 60831

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	65.0	49.4	74.2



Instrument :
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ClientSampleId :
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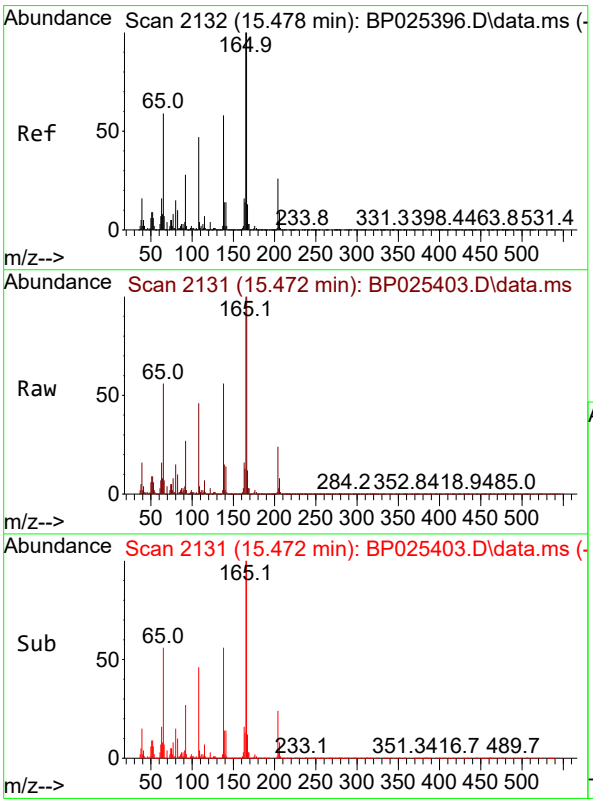
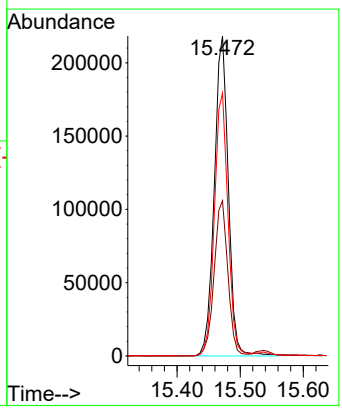
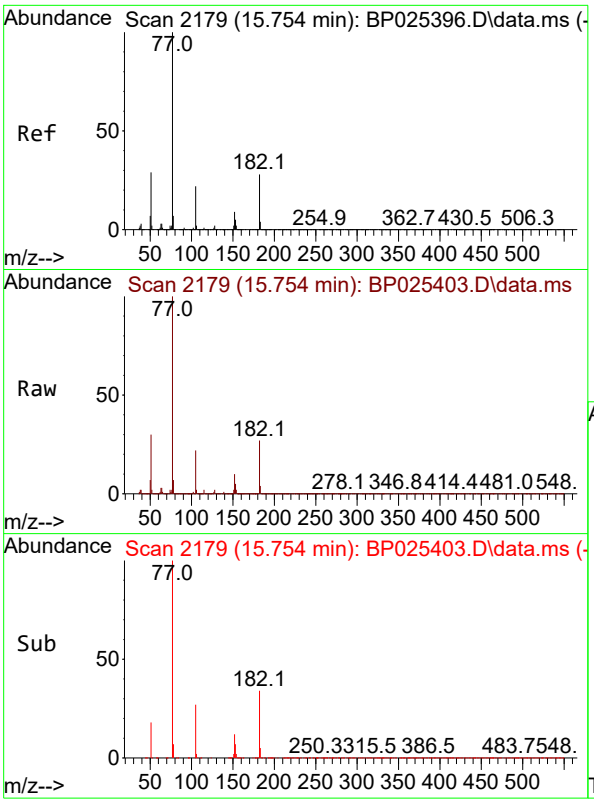


#62
4-Nitroaniline
Concen: 44.988 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:138 Resp: 337032

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.1	69.1
108	82.2	61.5	101.5

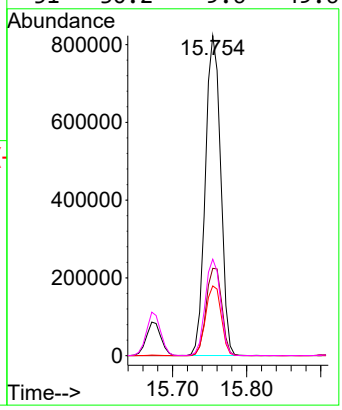




#63
Azobenzene
Concen: 43.941 ng
RT: 15.754 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 77 Resp: 117812

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.5	47.5
105	21.8	2.1	42.1
51	30.2	9.6	49.6



Instrument :
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ClientSampleId :
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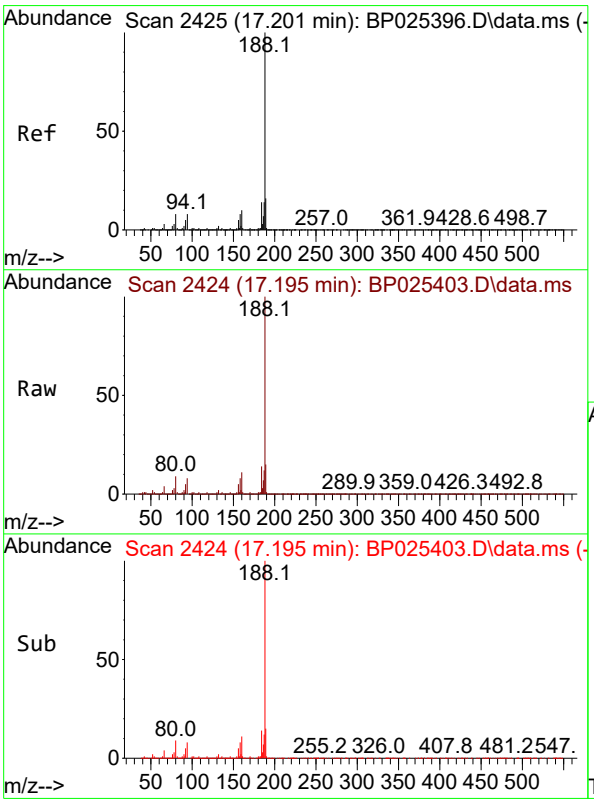
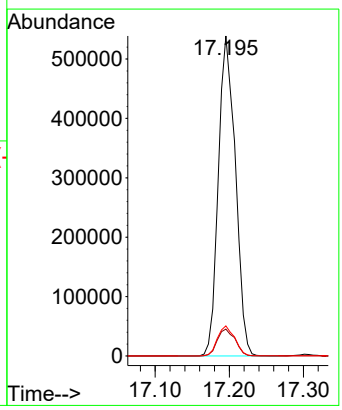
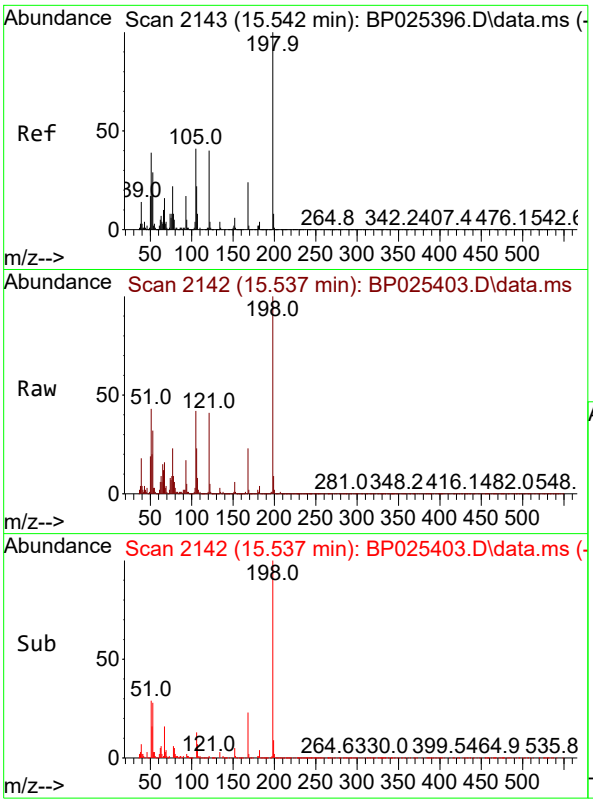


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:188 Resp: 861562

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.4	6.7	10.1

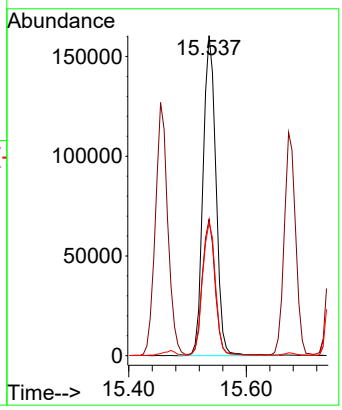




#65
4,6-Dinitro-2-methylphenol
Concen: 45.379 ng
RT: 15.537 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:198 Resp: 24371

Ion	Ratio	Lower	Upper
198	100		
51	42.7	19.6	59.6
105	41.6	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
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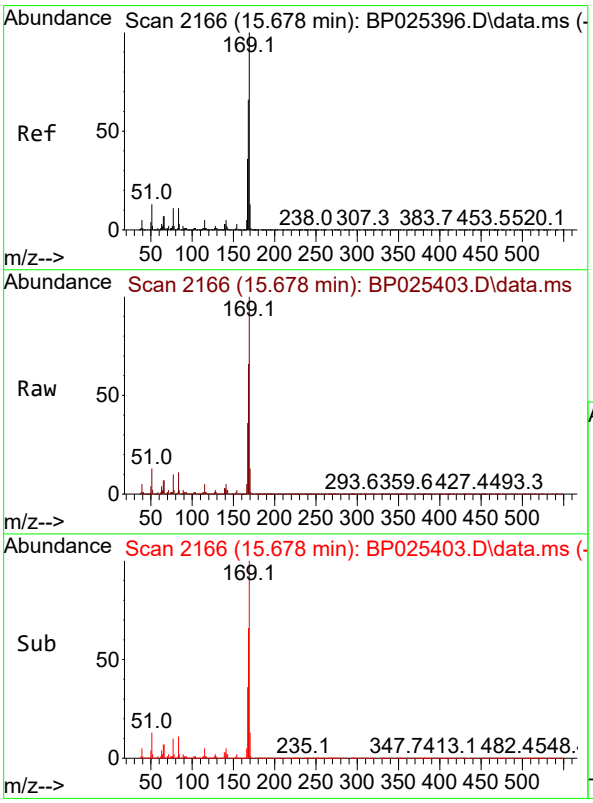
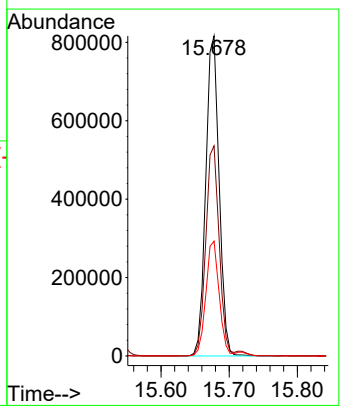
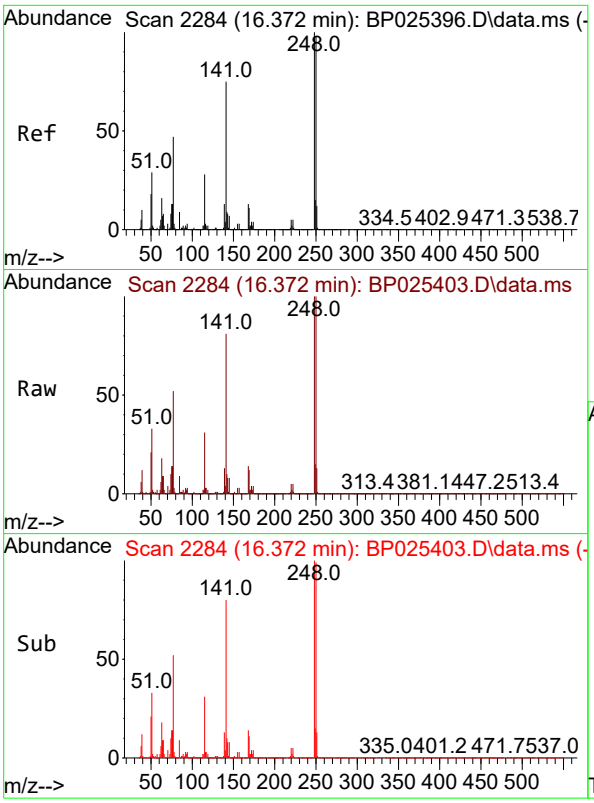


#66
n-Nitrosodiphenylamine
Concen: 42.319 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:169 Resp: 1111834

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	35.9	28.7	43.1

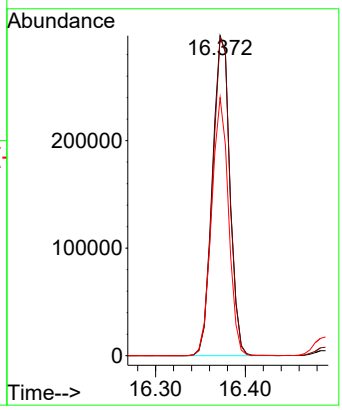




#67
4-Bromophenyl-phenylether
Concen: 42.554 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:248 Resp: 40322

Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.2	117.2
141	80.6	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
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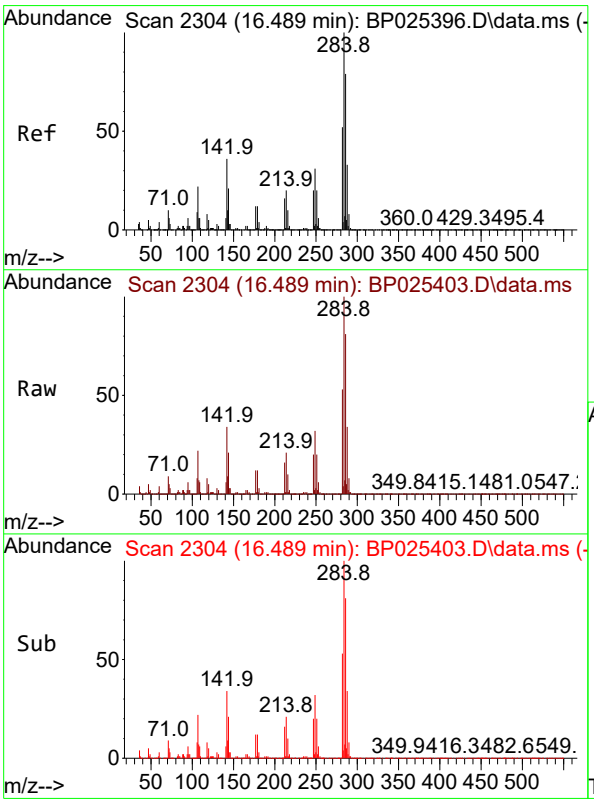
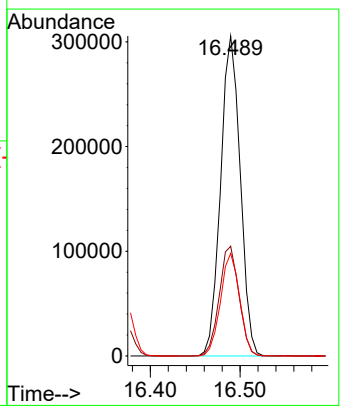
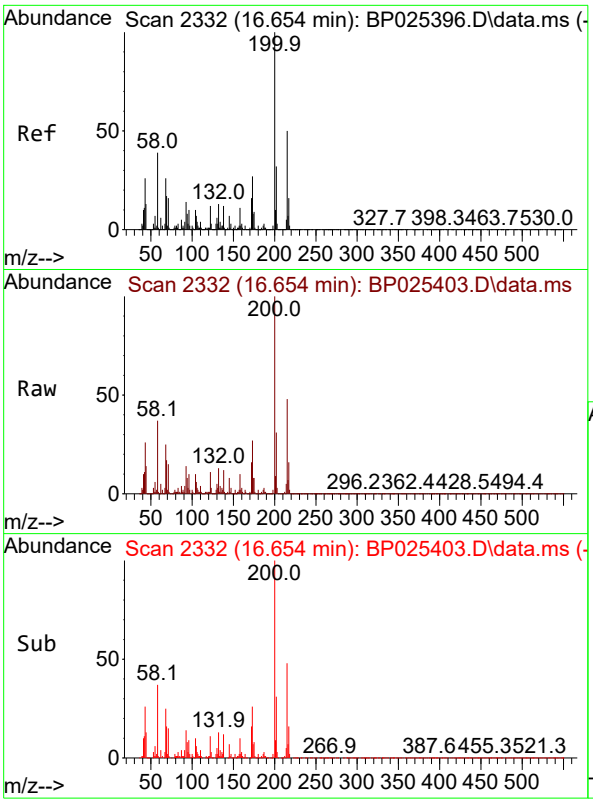


#68
Hexachlorobenzene
Concen: 42.233 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:284 Resp: 463895

Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.1	43.7
249	32.1	25.0	37.4

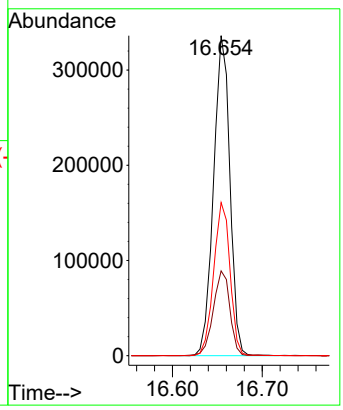




#69
Atrazine
Concen: 43.163 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:200 Resp: 42468

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	47.8	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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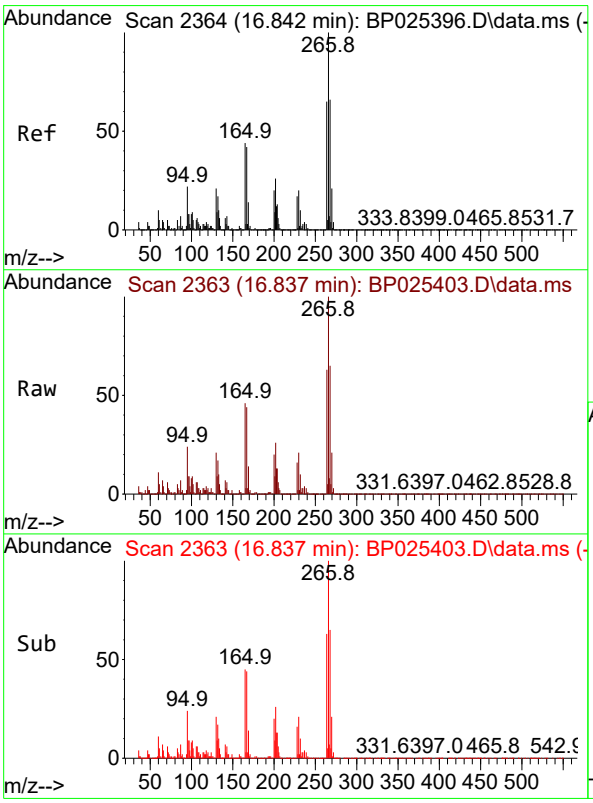
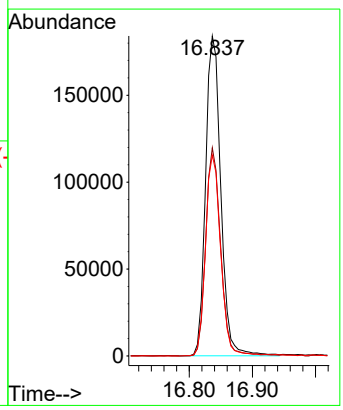
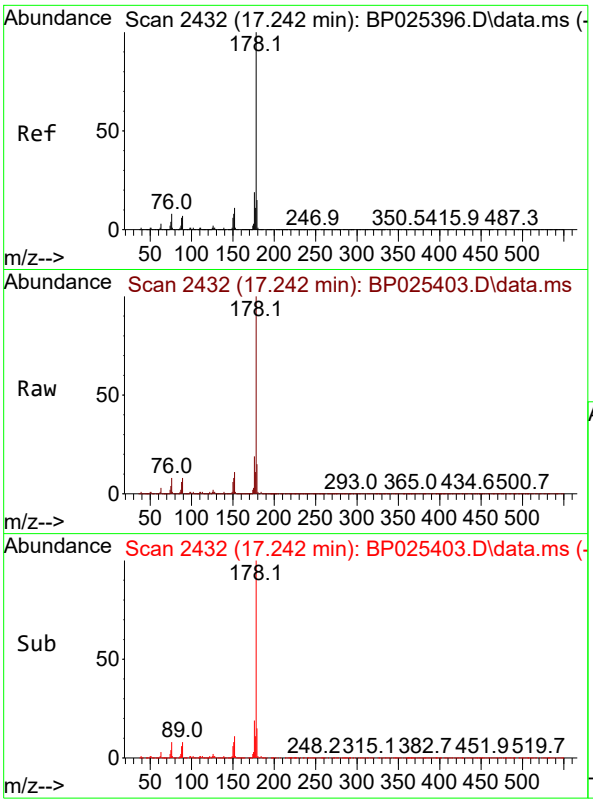


#70
Pentachlorophenol
Concen: 44.448 ng
RT: 16.837 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:266 Resp: 308191

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	62.8	52.0	78.0

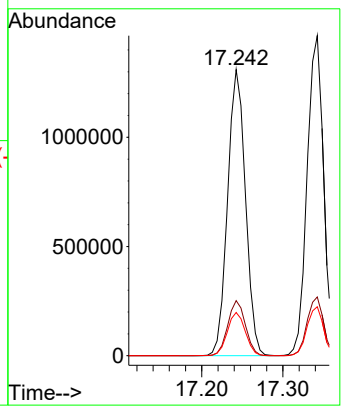




#71
Phenanthrene
Concen: 42.309 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:178 Resp: 200243

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.1	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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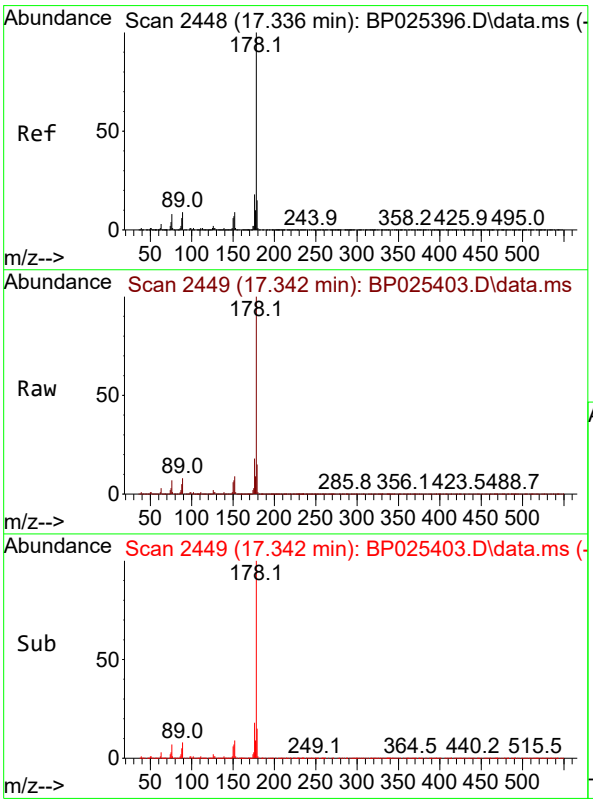
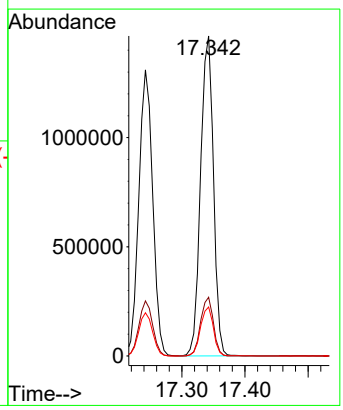
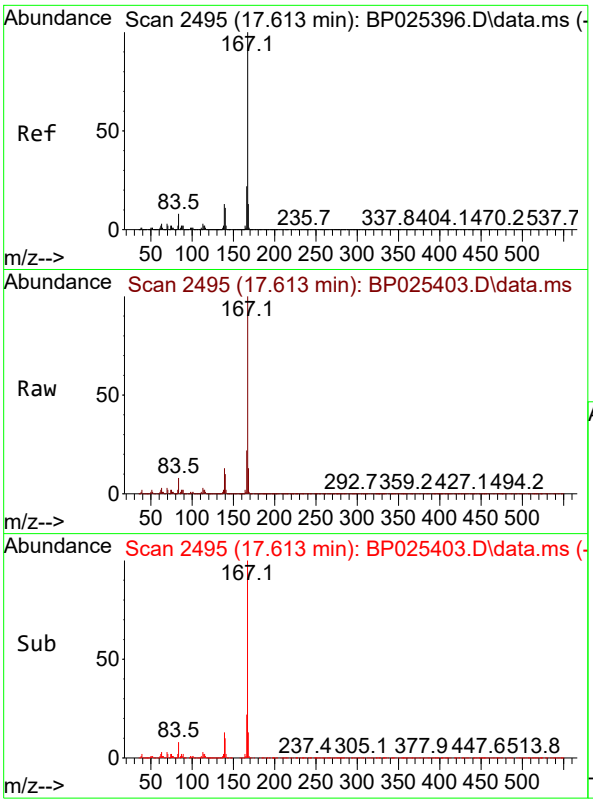


#72
Anthracene
Concen: 42.823 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:178 Resp: 2069708

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.2

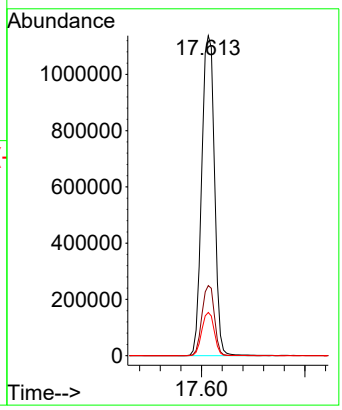




#73
Carbazole
Concen: 42.804 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:167 Resp: 194863

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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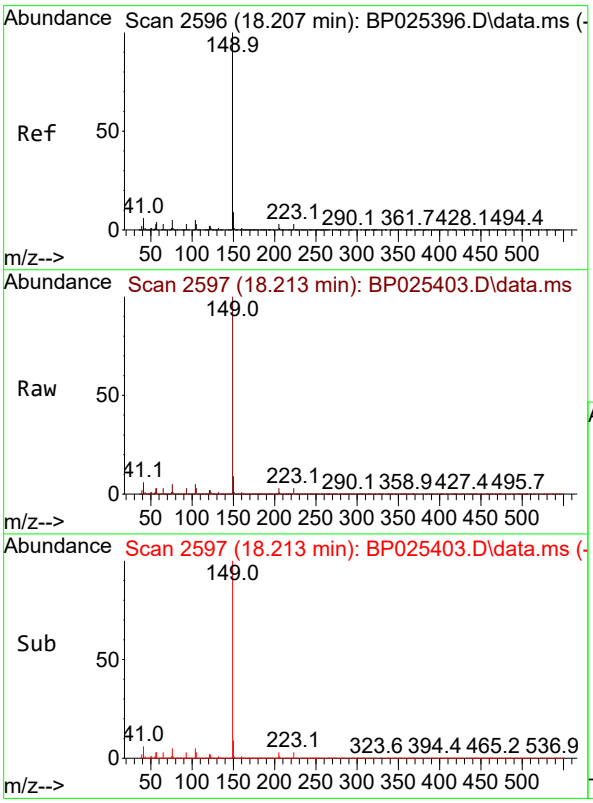
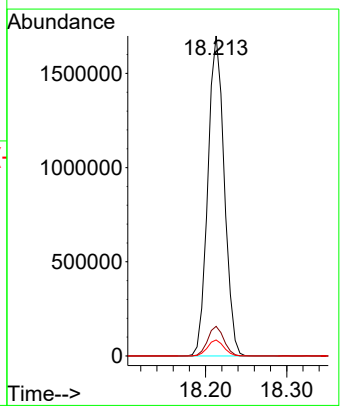
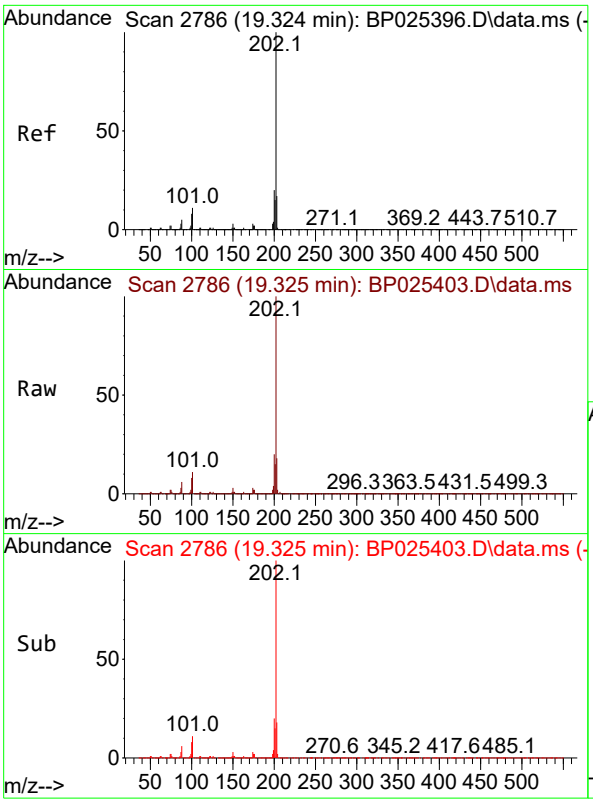


#74
Di-n-butylphthalate
Concen: 42.535 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 2382369

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.0	4.2	6.2





#75
Fluoranthene
Concen: 42.225 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:202 Resp: 238380

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.1
203	17.6	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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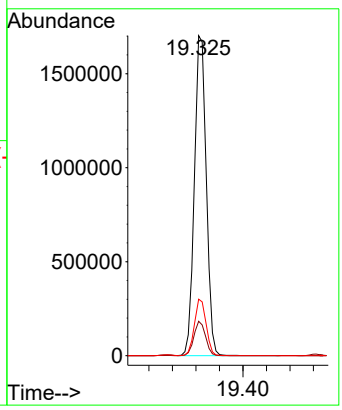
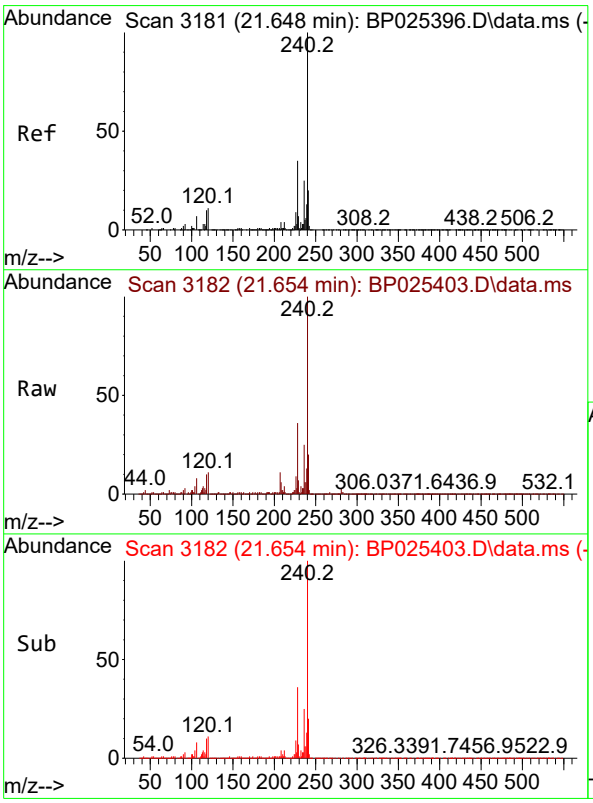
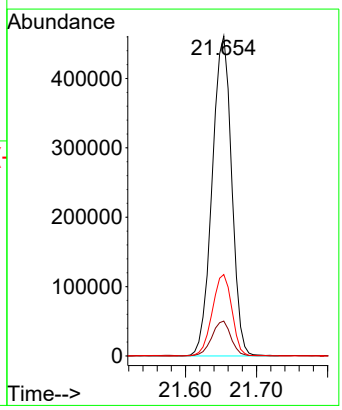


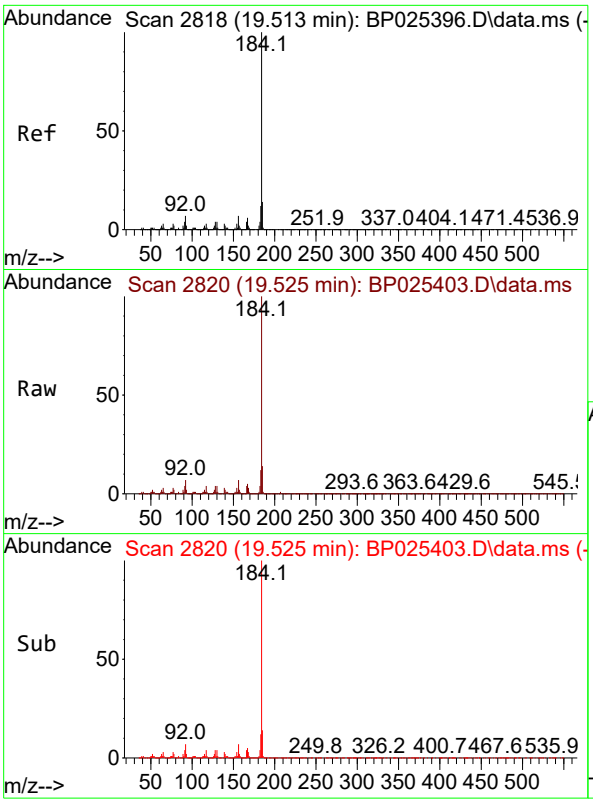


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:240 Resp: 877131

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.5	19.8	29.8

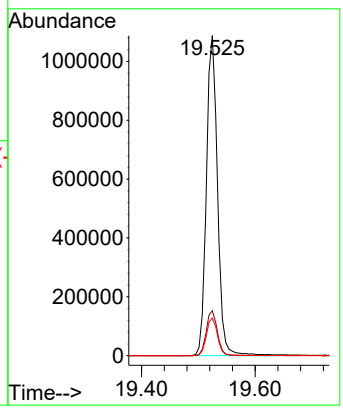




#77
Benzidine
Concen: 49.114 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:184 Resp: 147020

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.7	9.4	14.2



Instrument :
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ClientSampleId :
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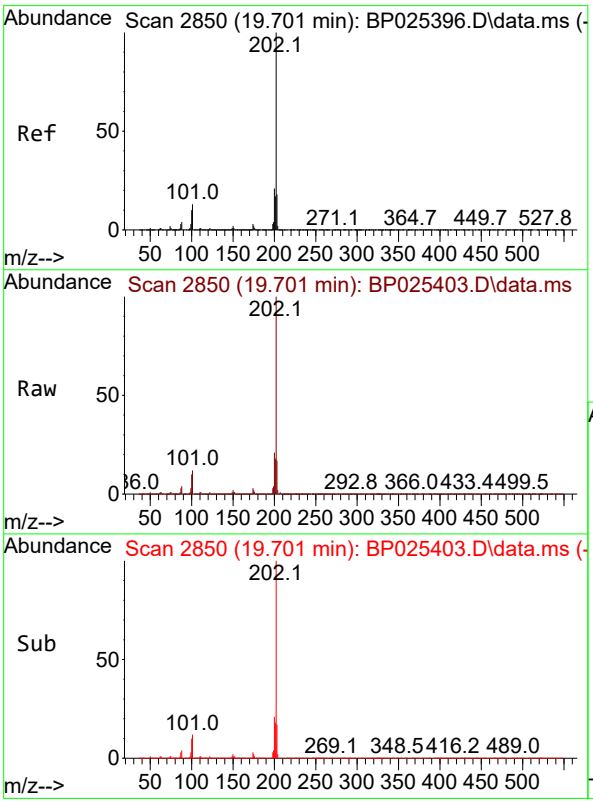
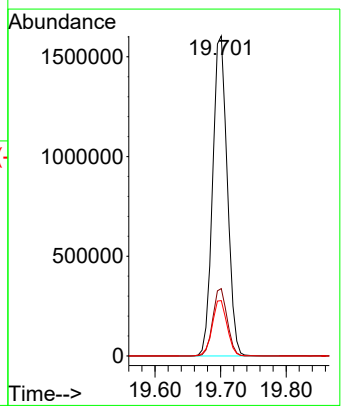
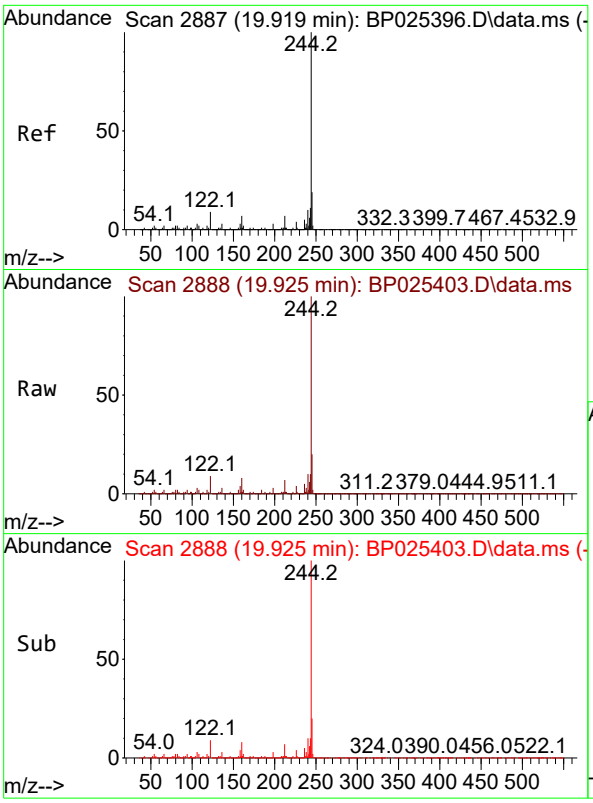


#78
Pyrene
Concen: 43.398 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:202 Resp: 2474163

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2

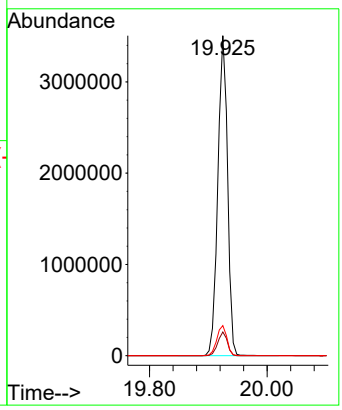




#79
Terphenyl-d14
Concen: 83.500 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:244 Resp: 400316

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.4	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
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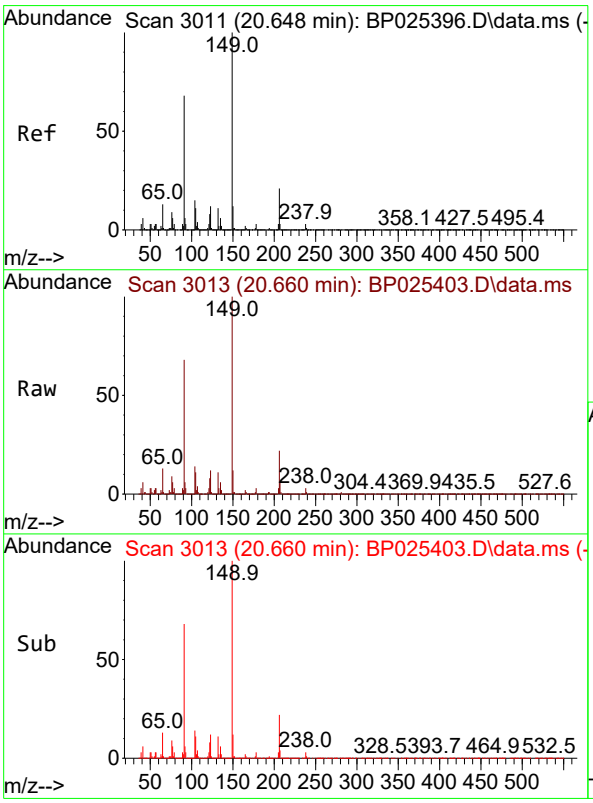
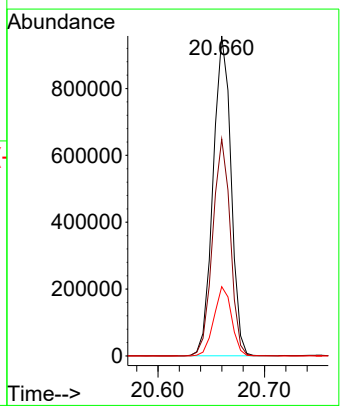
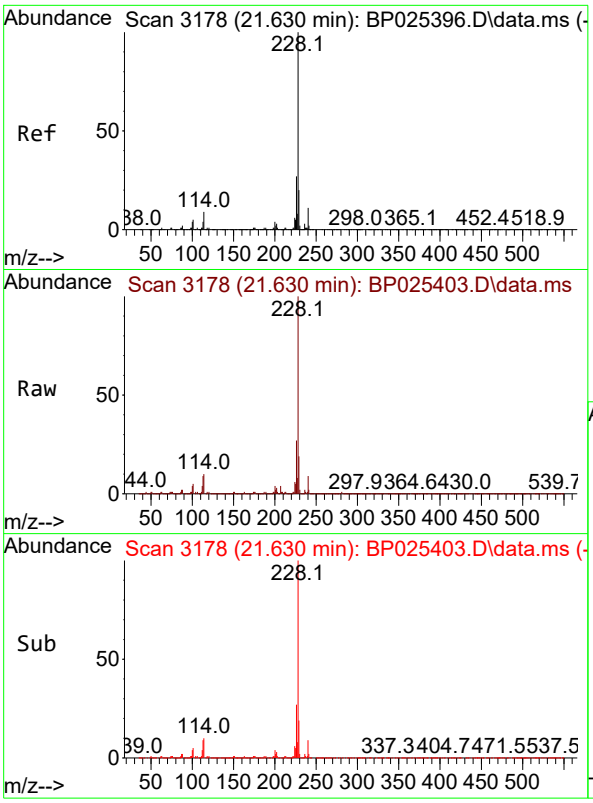


#80
Butylbenzylphthalate
Concen: 43.329 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1119526

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.2	81.2
206	21.6	16.6	24.8

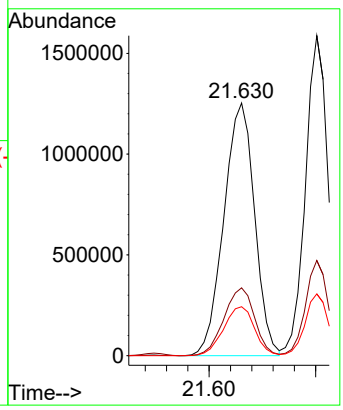




#81
Benzo(a)anthracene
Concen: 43.432 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:228 Resp: 251240

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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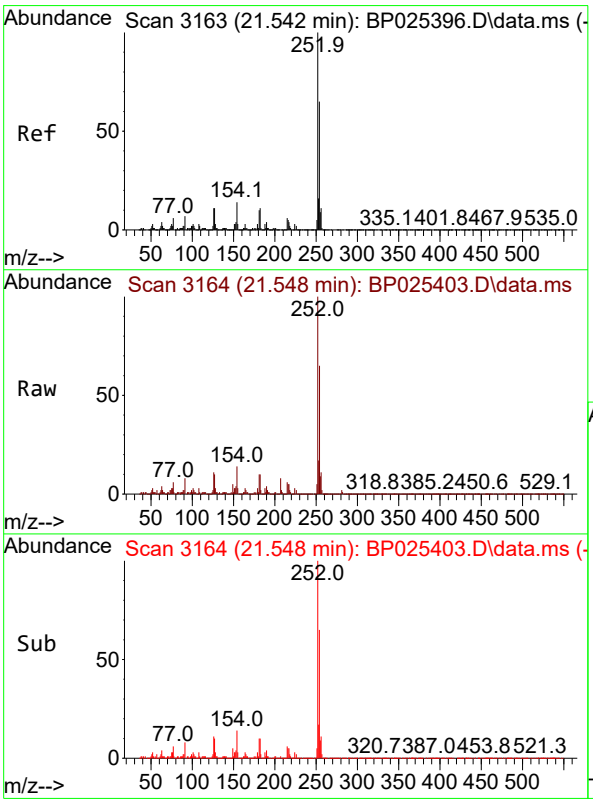
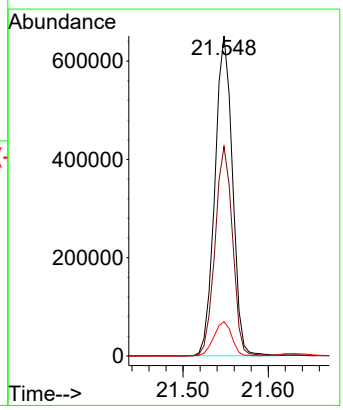
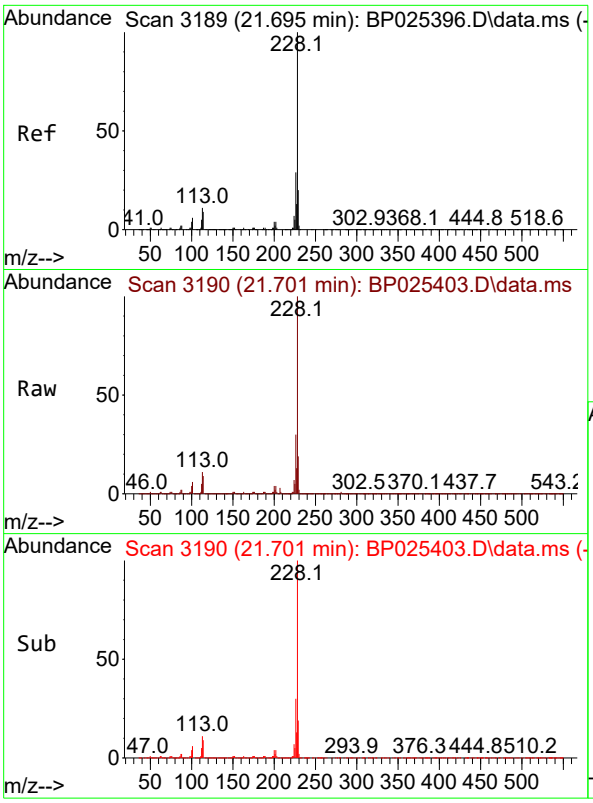


#82
3,3'-Dichlorobenzidine
Concen: 42.943 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 936326

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.8	77.6
126	10.7	9.1	13.7

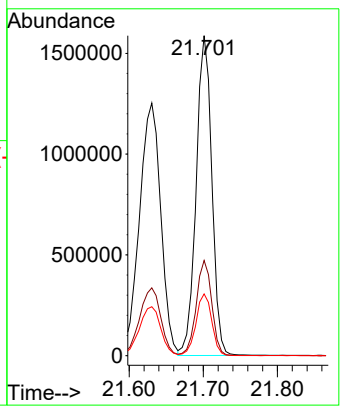




#83
Chrysene
Concen: 43.029 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:228 Resp: 233104

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.3	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
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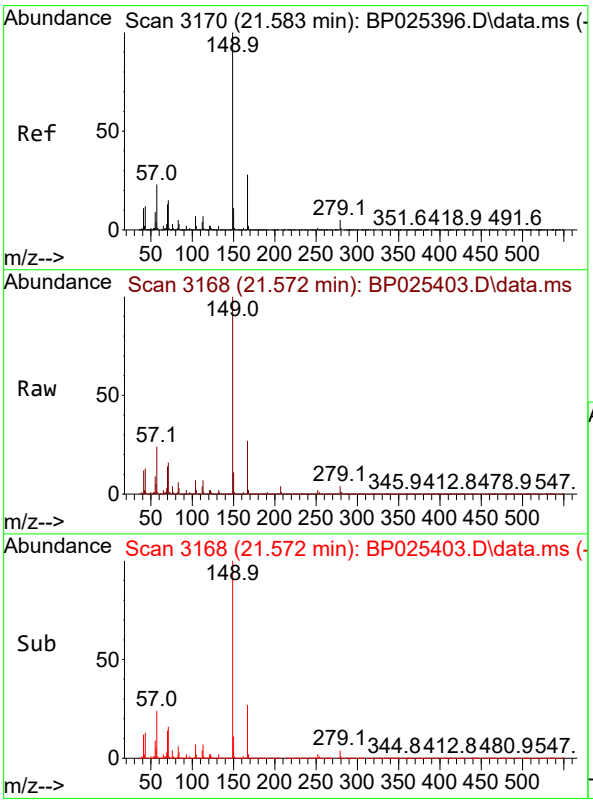
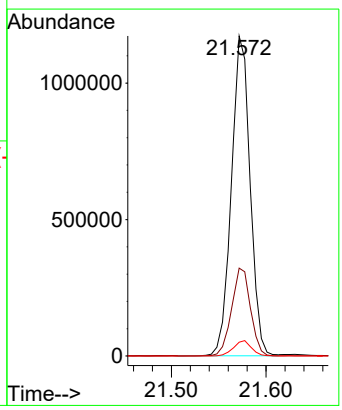
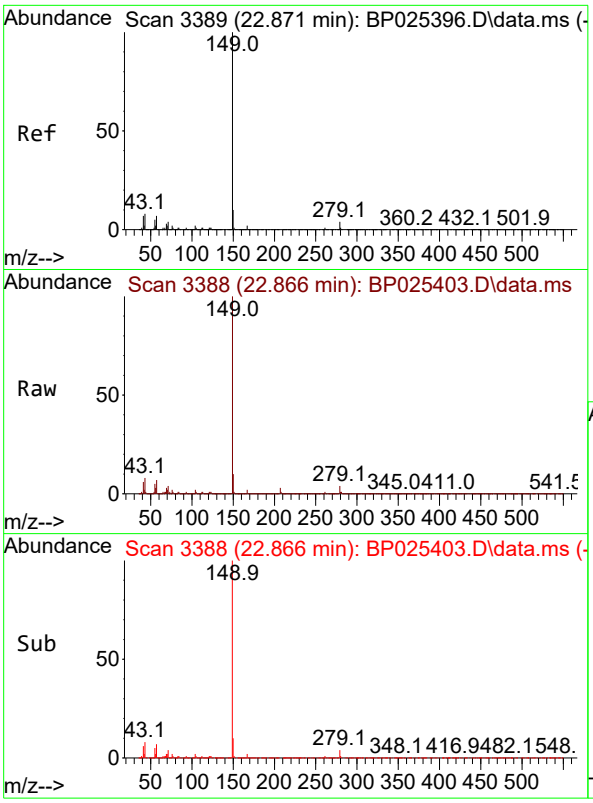


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.217 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1605733

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.3	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 42.618 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 278815

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
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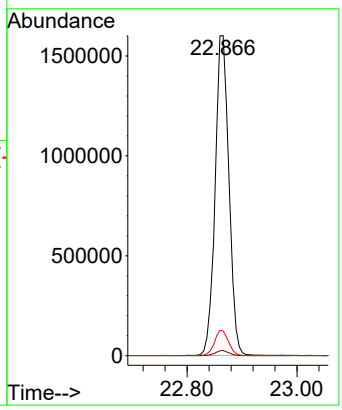
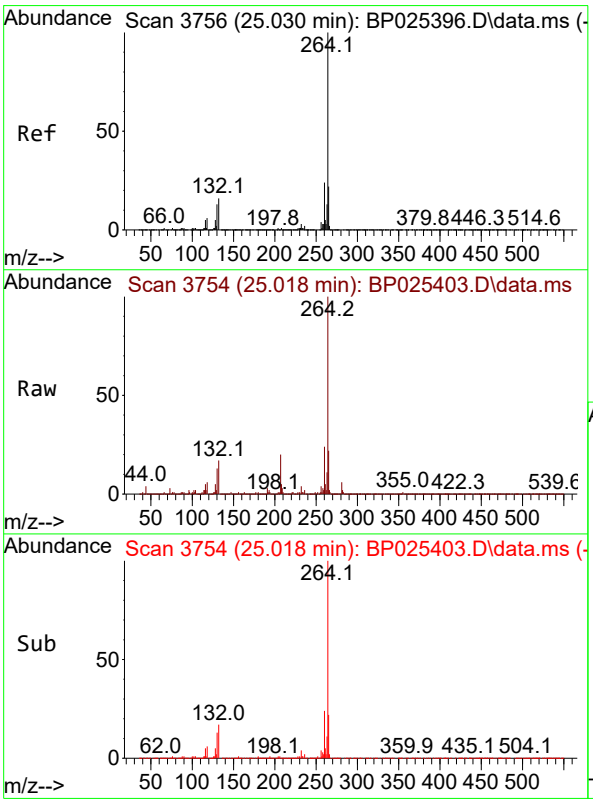
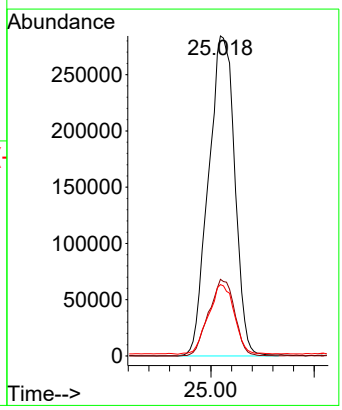


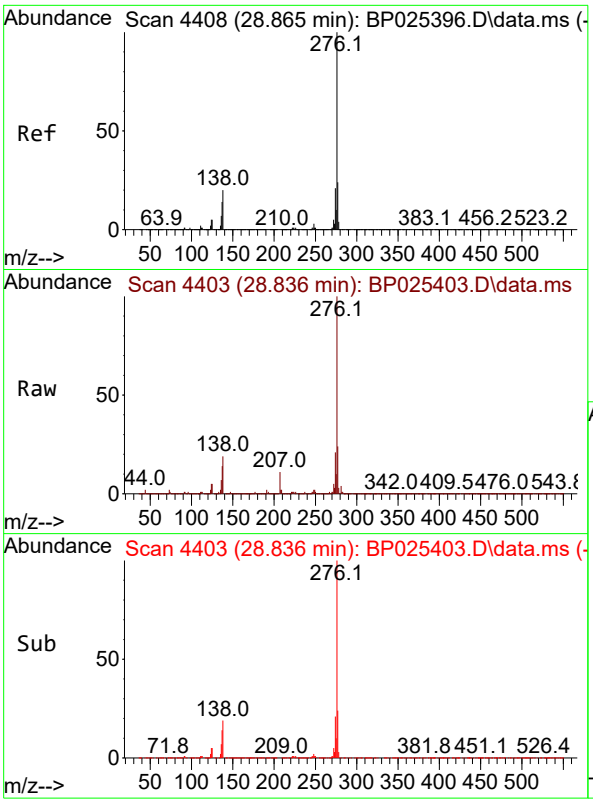


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:264 Resp: 1001441

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.3	17.4	26.0

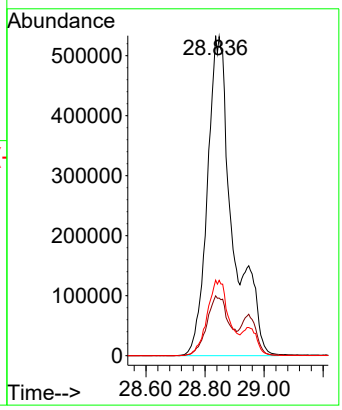




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.322 ng m
RT: 28.836 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:276 Resp: 318160

Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.9	19.3
277	20.3	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
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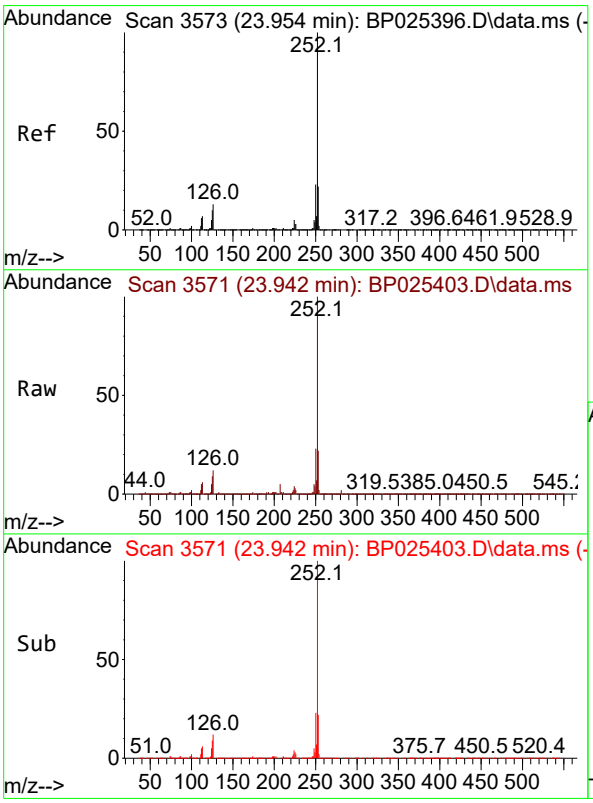
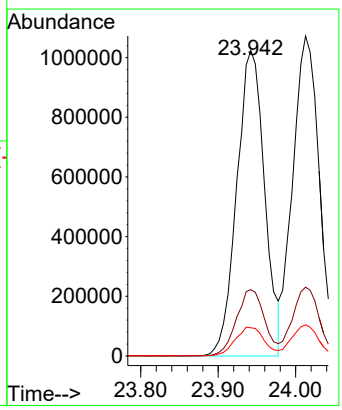
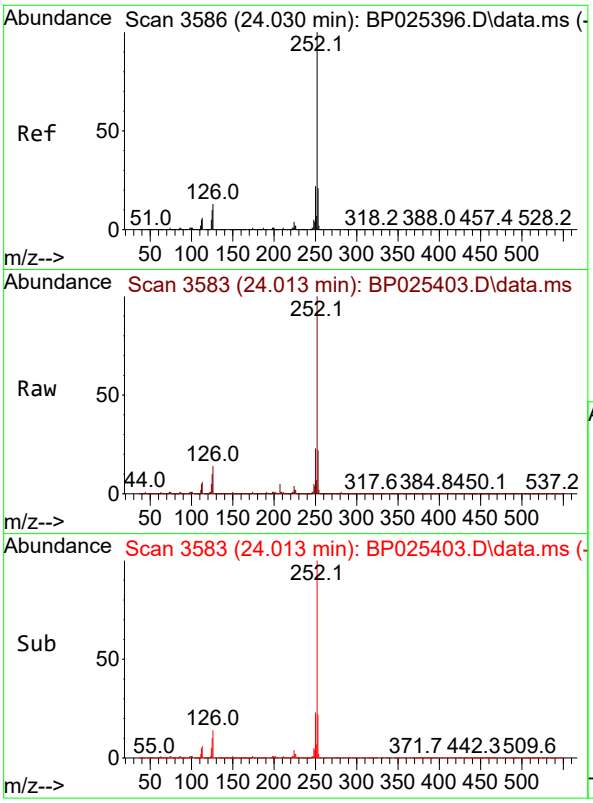


#88
Benzo(b)fluoranthene
Concen: 43.269 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 2555118

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.2	7.9	11.9

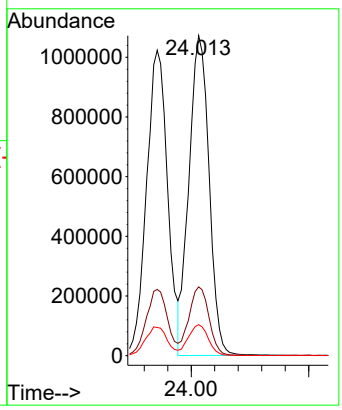




#89
Benzo(k)fluoranthene
Concen: 43.102 ng
RT: 24.013 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 254701

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	9.7	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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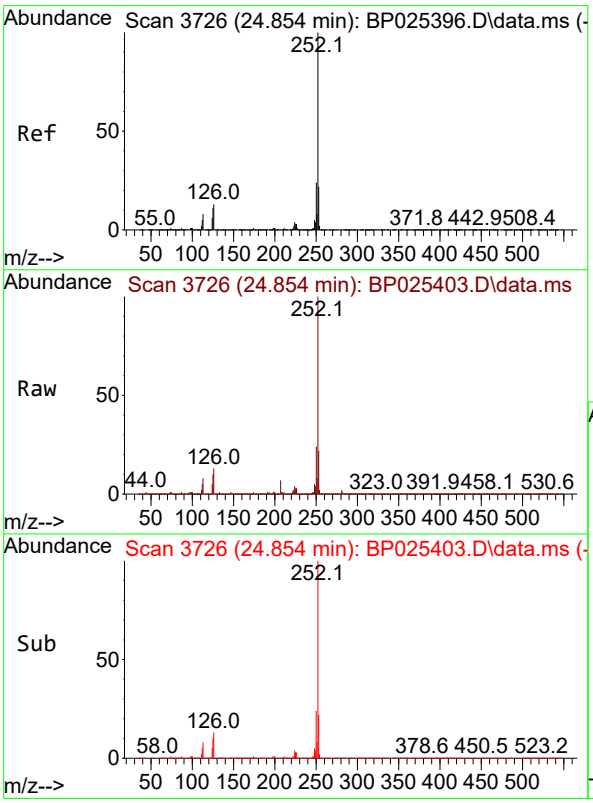
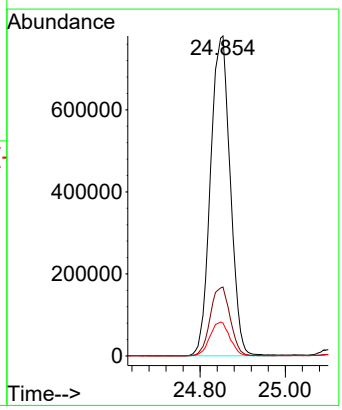
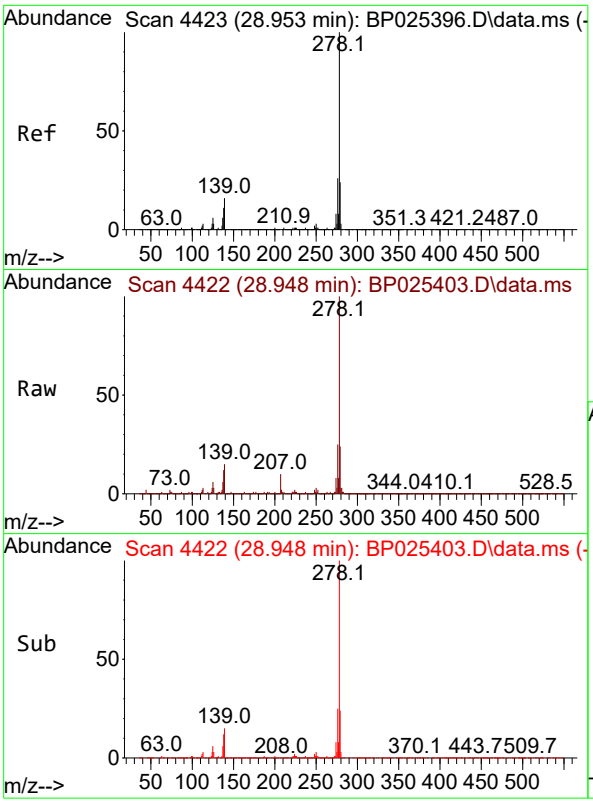


#90
Benzo(a)pyrene
Concen: 43.497 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 2500332

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.3	8.7	13.1

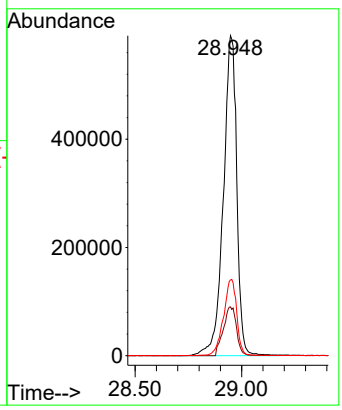




#91
Dibenzo(a,h)anthracene
Concen: 43.184 ng
RT: 28.948 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:278 Resp: 259178

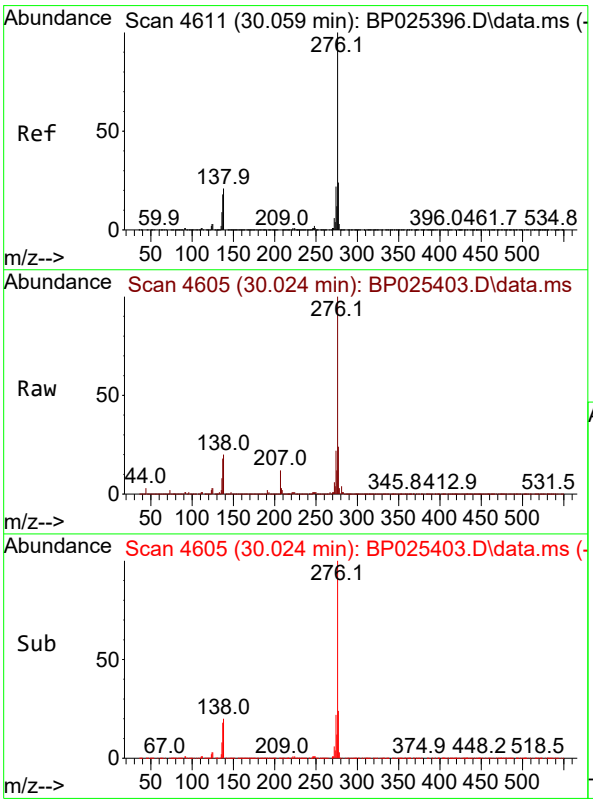
Ion	Ratio	Lower	Upper
278	100		
139	15.3	13.0	19.4
279	23.7	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

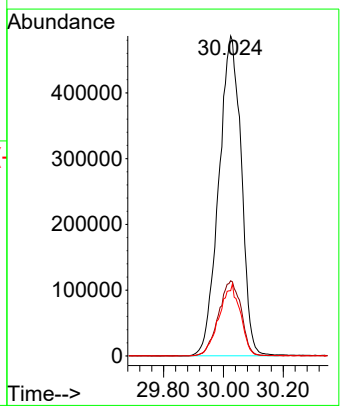
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 42.869 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:276 Resp: 2529115

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
2		1,4-Dioxane	0.472	0.492	-4.2	101	0.00
3		Pyridine	1.291	1.376	-6.6	103	0.00
4		n-Nitrosodimethylamine	0.532	0.586	-10.2	104	0.00
5	S	2-Fluorophenol	1.204	1.311	-8.9	103	0.00
6		Aniline	2.080	2.327	-11.9	105	0.00
7	S	Phenol-d6	1.544	1.737	-12.5	105	0.00
8		2-Chlorophenol	1.359	1.500	-10.4	104	0.00
9		Benzaldehyde	1.082	1.303	-20.4	87	0.00
10	C	Phenol	1.620	1.818	-12.2	105	0.00
11		bis(2-Chloroethyl)ether	1.263	1.389	-10.0	104	0.00
12		1,3-Dichlorobenzene	1.499	1.613	-7.6	102	0.00
13	C	1,4-Dichlorobenzene	1.532	1.645	-7.4	102	0.00
14		1,2-Dichlorobenzene	1.483	1.585	-6.9	101	0.00
15		Benzyl Alcohol	1.227	1.383	-12.7	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.858	-9.8	104	0.00
17		2-Methylphenol	1.125	1.291	-14.8	106	0.00
18		Hexachloroethane	0.563	0.605	-7.5	101	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.147	-12.1	105	0.00
20		3+4-Methylphenols	1.560	1.775	-13.8	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.502	0.535	-6.6	105	0.00
23	S	Nitrobenzene-d5	0.395	0.428	-8.4	107	0.00
24		Nitrobenzene	0.353	0.380	-7.6	105	0.00
25		Isophorone	0.700	0.756	-8.0	107	0.00
26	C	2-Nitrophenol	0.181	0.200	-10.5	106	0.00
27		2,4-Dimethylphenol	0.312	0.342	-9.6	106	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.448	-5.9	105	0.00
29	C	2,4-Dichlorophenol	0.310	0.337	-8.7	105	0.00
30		1,2,4-Trichlorobenzene	0.340	0.355	-4.4	103	0.00
31		Naphthalene	1.040	1.102	-6.0	105	0.00
32		Benzoic acid	0.230	0.255	-10.9	107	0.00
33		4-Chloroaniline	0.459	0.503	-9.6	106	0.00
34	C	Hexachlorobutadiene	0.211	0.220	-4.3	102	0.00
35		Caprolactam	0.114	0.126	-10.5	110	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.397	-11.8	109	0.00
37		2-Methylnaphthalene	0.676	0.720	-6.5	105	0.00
38		1-Methylnaphthalene	0.719	0.770	-7.1	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.578	0.615	-6.4	105	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.394	-12.9	108	0.00
42	S	2,4,6-Tribromophenol	0.269	0.301	-11.9	109	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.433	-11.0	108	0.00
44		2,4,5-Trichlorophenol	0.427	0.473	-10.8	107	0.00
45	S	2-Fluorobiphenyl	1.463	1.530	-4.6	105	0.00
46		1,1'-Biphenyl	1.453	1.574	-8.3	107	0.00
47		2-Chloronaphthalene	1.131	1.222	-8.0	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.374	-13.7	108	0.00
49		Acenaphthylene	1.871	2.053	-9.7	108	0.00
50		Dimethylphthalate	1.465	1.600	-9.2	109	0.00
51		2,6-Dinitrotoluene	0.309	0.350	-13.3	108	0.00
52	C	Acenaphthene	1.098	1.169	-6.5	107	0.00
53		3-Nitroaniline	0.347	0.389	-12.1	109	0.00
54	P	2,4-Dinitrophenol	0.165	0.199	-20.6	116	0.00
55		Dibenzofuran	1.736	1.878	-8.2	107	0.00
56	P	4-Nitrophenol	0.285	0.322	-13.0	110	0.00
57		2,4-Dinitrotoluene	0.440	0.506	-15.0	110	0.00
58		Fluorene	1.370	1.459	-6.5	107	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.419	-11.1	109	0.00
60		Diethylphthalate	1.488	1.622	-9.0	108	0.00
61		4-Chlorophenyl-phenylether	0.681	0.723	-6.2	106	0.00
62		4-Nitroaniline	0.356	0.400	-12.4	109	0.00
63		Azobenzene	1.274	1.400	-9.9	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.141	-12.8	112	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.645	-5.7	106	0.00
67		4-Bromophenyl-phenylether	0.220	0.234	-6.4	107	0.00
68		Hexachlorobenzene	0.255	0.269	-5.5	108	0.00
69		Atrazine	0.228	0.246	-7.9	110	0.00
70	C	Pentachlorophenol	0.161	0.179	-11.2	111	0.00
71		Phenanthrene	1.099	1.162	-5.7	109	0.00
72		Anthracene	1.122	1.201	-7.0	108	0.00
73		Carbazole	1.057	1.131	-7.0	109	0.00
74		Di-n-butylphthalate	1.300	1.383	-6.4	108	0.00
75	C	Fluoranthene	1.311	1.383	-5.5	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.683	0.838	-22.7	85	0.01
78		Pyrene	1.300	1.410	-8.5	108	0.00
79	S	Terphenyl-d14	1.093	1.141	-4.4	106	0.00
80		Butylbenzylphthalate	0.589	0.638	-8.3	107	0.01
81		Benzo(a)anthracene	1.319	1.432	-8.6	110	0.00
82		3,3'-Dichlorobenzidine	0.497	0.534	-7.4	107	0.00
83		Chrysene	1.235	1.329	-7.6	110	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.915	-5.5	107	-0.01
85	c	Di-n-octyl phthalate	1.492	1.589	-6.5	107	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	-0.01
87		Indeno(1,2,3-cd)pyrene	1.467	1.589	-8.3	110	-0.03
88		Benzo(b)fluoranthene	1.179	1.276	-8.2	110	-0.01
89		Benzo(k)fluoranthene	1.180	1.272	-7.8	110	-0.02
90	C	Benzo(a)pyrene	1.148	1.248	-8.7	110	0.00
91		Dibenzo(a,h)anthracene	1.199	1.294	-7.9	110	0.00
92		Benzo(g,h,i)perylene	1.178	1.263	-7.2	109	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	91	0.00
2		1,4-Dioxane	40.000	41.760	-4.4	101	0.00
3		Pyridine	40.000	42.641	-6.6	103	0.00
4		n-Nitrosodimethylamine	40.000	44.027	-10.1	104	0.00
5	S	2-Fluorophenol	80.000	87.075	-8.8	103	0.00
6		Aniline	40.000	44.735	-11.8	105	0.00
7	S	Phenol-d6	80.000	90.015	-12.5	105	0.00
8		2-Chlorophenol	40.000	44.144	-10.4	104	0.00
9		Benzaldehyde	40.000	48.192	-20.5	87	0.00
10	C	Phenol	40.000	44.883	-12.2	105	0.00
11		bis(2-Chloroethyl)ether	40.000	44.011	-10.0	104	0.00
12		1,3-Dichlorobenzene	40.000	43.046	-7.6	102	0.00
13	C	1,4-Dichlorobenzene	40.000	42.962	-7.4	102	0.00
14		1,2-Dichlorobenzene	40.000	42.750	-6.9	101	0.00
15		Benzyl Alcohol	40.000	45.090	-12.7	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.944	-9.9	104	0.00
17		2-Methylphenol	40.000	45.888	-14.7	106	0.00
18		Hexachloroethane	40.000	42.947	-7.4	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	44.859	-12.1	105	0.00
20		3+4-Methylphenols	40.000	45.518	-13.8	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	42.684	-6.7	105	0.00
23	S	Nitrobenzene-d5	80.000	86.626	-8.3	107	0.00
24		Nitrobenzene	40.000	43.012	-7.5	105	0.00
25		Isophorone	40.000	43.214	-8.0	107	0.00
26	C	2-Nitrophenol	40.000	44.186	-10.5	106	0.00
27		2,4-Dimethylphenol	40.000	43.871	-9.7	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.408	-6.0	105	0.00
29	C	2,4-Dichlorophenol	40.000	43.578	-8.9	105	0.00
30		1,2,4-Trichlorobenzene	40.000	41.812	-4.5	103	0.00
31		Naphthalene	40.000	42.388	-6.0	105	0.00
32		Benzoic acid	40.000	44.232	-10.6	107	0.00
33		4-Chloroaniline	40.000	43.849	-9.6	106	0.00
34	C	Hexachlorobutadiene	40.000	41.613	-4.0	102	0.00
35		Caprolactam	40.000	44.362	-10.9	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.631	-11.6	109	0.00
37		2-Methylnaphthalene	40.000	42.582	-6.5	105	0.00
38		1-Methylnaphthalene	40.000	42.786	-7.0	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	42.619	-6.5	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.147	-12.9	108	0.00
42	S	2,4,6-Tribromophenol	80.000	89.305	-11.6	109	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.402	-11.0	108	0.00
44		2,4,5-Trichlorophenol	40.000	44.283	-10.7	107	0.00
45	S	2-Fluorobiphenyl	80.000	83.658	-4.6	105	0.00
46		1,1'-Biphenyl	40.000	43.338	-8.3	107	0.00
47		2-Chloronaphthalene	40.000	43.221	-8.1	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	45.370	-13.4	108	0.00
49		Acenaphthylene	40.000	43.899	-9.7	108	0.00
50		Dimethylphthalate	40.000	43.709	-9.3	109	0.00
51		2,6-Dinitrotoluene	40.000	45.364	-13.4	108	0.00
52	C	Acenaphthene	40.000	42.587	-6.5	107	0.00
53		3-Nitroaniline	40.000	44.858	-12.1	109	0.00
54	P	2,4-Dinitrophenol	40.000	48.211	-20.5	116	0.00
55		Dibenzofuran	40.000	43.256	-8.1	107	0.00
56	P	4-Nitrophenol	40.000	45.122	-12.8	110	0.00
57		2,4-Dinitrotoluene	40.000	45.922	-14.8	110	0.00
58		Fluorene	40.000	42.602	-6.5	107	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.447	-11.1	109	0.00
60		Diethylphthalate	40.000	43.604	-9.0	108	0.00
61		4-Chlorophenyl-phenylether	40.000	42.427	-6.1	106	0.00
62		4-Nitroaniline	40.000	44.988	-12.5	109	0.00
63		Azobenzene	40.000	43.941	-9.9	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.379	-13.4	112	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.319	-5.8	106	0.00
67		4-Bromophenyl-phenylether	40.000	42.554	-6.4	107	0.00
68		Hexachlorobenzene	40.000	42.233	-5.6	108	0.00
69		Atrazine	40.000	43.163	-7.9	110	0.00
70	C	Pentachlorophenol	40.000	44.448	-11.1	111	0.00
71		Phenanthrene	40.000	42.309	-5.8	109	0.00
72		Anthracene	40.000	42.823	-7.1	108	0.00
73		Carbazole	40.000	42.804	-7.0	109	0.00
74		Di-n-butylphthalate	40.000	42.535	-6.3	108	0.00
75	C	Fluoranthene	40.000	42.225	-5.6	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	49.114	-22.8	85	0.01
78		Pyrene	40.000	43.398	-8.5	108	0.00
79	S	Terphenyl-d14	80.000	83.500	-4.4	106	0.00
80		Butylbenzylphthalate	40.000	43.329	-8.3	107	0.01
81		Benzo(a)anthracene	40.000	43.432	-8.6	110	0.00
82		3,3'-Dichlorobenzidine	40.000	42.943	-7.4	107	0.00
83		Chrysene	40.000	43.029	-7.6	110	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.217	-5.5	107	-0.01
85	c	Di-n-octyl phthalate	40.000	42.618	-6.5	107	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.322	-8.3	110	-0.03
88		Benzo(b)fluoranthene	40.000	43.269	-8.2	110	-0.01
89		Benzo(k)fluoranthene	40.000	43.102	-7.8	110	-0.02
90	C	Benzo(a)pyrene	40.000	43.497	-8.7	110	0.00
91		Dibenzo(a,h)anthracene	40.000	43.184	-8.0	110	0.00
92		Benzo(g,h,i)perylene	40.000	42.869	-7.2	109	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 22:56

Lab File ID: BP025405.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.221		1.4	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.575		2.0	
Phenol	1.620	1.651		1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.264		0.1	
2-Chlorophenol	1.359	1.370		0.8	
2-Methylphenol	1.125	1.148		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.659		-2.0	
Acetophenone	0.502	0.513		2.2	
3+4-Methylphenols	1.560	1.590		1.9	
n-Nitroso-di-n-propylamine	1.023	1.040	0.050	1.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.560		-0.5	
Nitrobenzene	0.353	0.363		2.8	
Isophorone	0.700	0.711		1.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.321		2.9	
bis(2-Chloroethoxy)methane	0.423	0.422		-0.2	
2,4-Dichlorophenol	0.310	0.322		3.9	20.0
Naphthalene	1.040	1.045		0.5	
4-Chloroaniline	0.459	0.473		3.0	
Hexachlorobutadiene	0.211	0.214		1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.369		3.9	20.0
2-Methylnaphthalene	0.676	0.674		-0.3	
Hexachlorocyclopentadiene	0.349	0.374	0.050	7.2	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.470		0.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.450		-0.2	
2-Chloronaphthalene	1.131	1.140		0.7	
2-Nitroaniline	0.329	0.349		6.1	
Dimethylphthalate	1.465	1.497		2.2	
Acenaphthylene	1.871	1.926		2.9	
2,6-Dinitrotoluene	0.309	0.323		4.5	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.125		2.5	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.297	0.050	4.2	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/14/2025 22:56

Lab File ID: BP025405.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.746		0.6	
2,4-Dinitrotoluene	0.440	0.467		6.1	
Diethylphthalate	1.488	1.506		1.2	
4-Chlorophenyl-phenylether	0.681	0.685		0.6	
Fluorene	1.370	1.387		1.2	
4-Nitroaniline	0.356	0.376		5.6	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.607		-0.5	20.0
2,4,6-Tribromophenol	0.269	0.276		2.6	
4-Bromophenyl-phenylether	0.220	0.218		-0.9	
Hexachlorobenzene	0.255	0.254		-0.4	
Atrazine	0.228	0.232		1.8	
Pentachlorophenol	0.161	0.180		11.8	20.0
Phenanthrene	1.099	1.097		-0.2	
Anthracene	1.122	1.124		0.2	
Carbazole	1.057	1.074		1.6	
Di-n-butylphthalate	1.300	1.303		0.2	
Fluoranthene	1.311	1.320		0.7	20.0
Pyrene	1.300	1.275		-1.9	
Terphenyl-d14	1.093	1.068		-2.3	
Butylbenzylphthalate	0.589	0.588		-0.2	
3,3-Dichlorobenzidine	0.497	0.510		2.6	
Benzo(a)anthracene	1.319	1.331		0.9	
Chrysene	1.235	1.253		1.5	
Bis(2-ethylhexyl)phthalate	0.867	0.857		-1.2	
Di-n-octyl phthalate	1.492	1.484		-0.5	20.0
Benzo(b)fluoranthene	1.179	1.199		1.7	
Benzo(k)fluoranthene	1.180	1.177		-0.3	
Benzo(a)pyrene	1.148	1.151		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.475		0.5	
Dibenzo(a,h)anthracene	1.199	1.208		0.8	
Benzo(g,h,i)perylene	1.178	1.184		0.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.583		0.9	
1,4-Dioxane	0.472	0.477		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.395		4.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	125696	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	523394	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	347617	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	711916	20.000	ng		0.00
76) Chrysene-d12	21.642	240	755861	20.000	ng		0.00
86) Perylene-d12	25.007	264	870596	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	613743	81.088	ng		0.00
7) Phenol-d6	6.966	99	791903	81.606	ng		0.00
23) Nitrobenzene-d5	8.931	82	844645	81.634	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	384325	82.139	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2044524	80.382	ng		0.00
79) Terphenyl-d14	19.913	244	3228271	78.141	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	119811	40.412	ng		99
3) Pyridine	3.731	79	323677	39.888	ng		97
4) n-Nitrosodimethylamine	3.637	42	137499	41.101	ng		100
6) Aniline	7.125	93	535660	40.970	ng		99
8) 2-Chlorophenol	7.360	128	344395	40.322	ng		98
9) Benzaldehyde	6.937	77	321407	47.275	ng		97
10) Phenol	6.990	94	415144	40.771	ng		97
11) bis(2-Chloroethyl)ether	7.213	93	317837	40.048	ng		99
12) 1,3-Dichlorobenzene	7.684	146	384528	40.829	ng		99
13) 1,4-Dichlorobenzene	7.825	146	390491	40.565	ng		97
14) 1,2-Dichlorobenzene	8.137	146	369165	39.617	ng		97
15) Benzyl Alcohol	8.019	79	313588	40.671	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	417099	39.232	ng		100
17) 2-Methylphenol	8.225	107	288474	40.791	ng		99
18) Hexachloroethane	8.860	117	140690	39.750	ng		93
19) n-Nitroso-di-n-propyla...	8.584	70	261390	40.666	ng		97
20) 3+4-Methylphenols	8.549	107	399643	40.768	ng		97
22) Acetophenone	8.601	105	537231	40.930	ng	#	97
24) Nitrobenzene	8.972	77	380213	41.117	ng		100
25) Isophorone	9.496	82	744195	40.642	ng		99
26) 2-Nitrophenol	9.672	139	194543	40.994	ng		99
27) 2,4-Dimethylphenol	9.737	122	335562	41.117	ng		95
28) bis(2-Chloroethoxy)met...	9.966	93	441941	39.927	ng		100
29) 2,4-Dichlorophenol	10.207	162	336641	41.524	ng		99
30) 1,2,4-Trichlorobenzene	10.419	180	354463	39.885	ng		98
31) Naphthalene	10.607	128	1093427	40.194	ng		99
32) Benzoic acid	9.866	122	233390	38.736	ng		99
33) 4-Chloroaniline	10.707	127	495623	41.245	ng		99
34) Hexachlorobutadiene	10.896	225	224258	40.518	ng		98
35) Caprolactam	11.484	113	123107	41.412	ng		96
36) 4-Chloro-3-methylphenol	11.831	107	385915	41.484	ng		100
37) 2-Methylnaphthalene	12.213	142	705161	39.832	ng		98
38) 1-Methylnaphthalene	12.431	142	747864	39.723	ng		98
40) 1,2,4,5-Tetrachloroben...	12.578	216	405013	40.342	ng		100
41) Hexachlorocyclopentadiene	12.566	237	260202	42.907	ng		100
43) 2,4,6-Trichlorophenol	12.819	196	278358	41.069	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.890	196	307958	41.457	ng	97
46) 1,1'-Biphenyl	13.225	154	1008154	39.933	ng	99
47) 2-Chloronaphthalene	13.266	162	792217	40.309	ng	99
48) 2-Nitroaniline	13.466	65	242354	42.321	ng	98
49) Acenaphthylene	14.119	152	1339242	41.180	ng	100
50) Dimethylphthalate	13.854	163	1040970	40.894	ng	99
51) 2,6-Dinitrotoluene	13.966	165	224718	41.884	ng	99
52) Acenaphthene	14.472	154	781821	40.956	ng	100
53) 3-Nitroaniline	14.289	138	253400	41.978	ng	98
54) 2,4-Dinitrophenol	14.507	184	119870	41.836	ng	97
55) Dibenzofuran	14.807	168	1213914	40.222	ng	99
56) 4-Nitrophenol	14.613	139	206425	41.615	ng	96
57) 2,4-Dinitrotoluene	14.760	165	324412	42.379	ng	98
58) Fluorene	15.466	166	964155	40.486	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	274669	41.876	ng	99
60) Diethylphthalate	15.242	149	1047107	40.483	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	476298	40.215	ng	98
62) 4-Nitroaniline	15.472	138	261619	42.276	ng	98
63) Azobenzene	15.760	77	910196	41.097	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	180993	40.785	ng	99
66) n-Nitrosodiphenylamine	15.678	169	864418	39.818	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	310981	39.718	ng	96
68) Hexachlorobenzene	16.489	284	361031	39.777	ng	100
69) Atrazine	16.654	200	329865	40.573	ng	99
70) Pentachlorophenol	16.842	266	256195	44.716	ng	96
71) Phenanthrene	17.242	178	1561490	39.928	ng	99
72) Anthracene	17.330	178	1600393	40.073	ng	99
73) Carbazole	17.607	167	1529199	40.652	ng	99
74) Di-n-butylphthalate	18.213	149	1855338	40.088	ng	99
75) Fluoranthene	19.324	202	1879703	40.295	ng	98
77) Benzidine	19.507	184	1255588	48.674	ng	99
78) Pyrene	19.695	202	1927979	39.243	ng	99
80) Butylbenzylphthalate	20.648	149	888903	39.923	ng	96
81) Benzo(a)anthracene	21.618	228	2011424	40.350	ng	100
82) 3,3'-Dichlorobenzidine	21.530	252	771557	41.063	ng	99
83) Chrysene	21.689	228	1894765	40.587	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1295582	39.528	ng	99
85) Di-n-octyl phthalate	22.860	149	2243739	39.799	ng	100
87) Indeno(1,2,3-cd)pyrene	28.836	276	2567850m	40.219	ng	
88) Benzo(b)fluoranthene	23.942	252	2087946	40.672	ng	100
89) Benzo(k)fluoranthene	24.024	252	2049523	39.896	ng	99
90) Benzo(a)pyrene	24.854	252	2004437	40.111	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2103391	40.314	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2062390	40.212	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

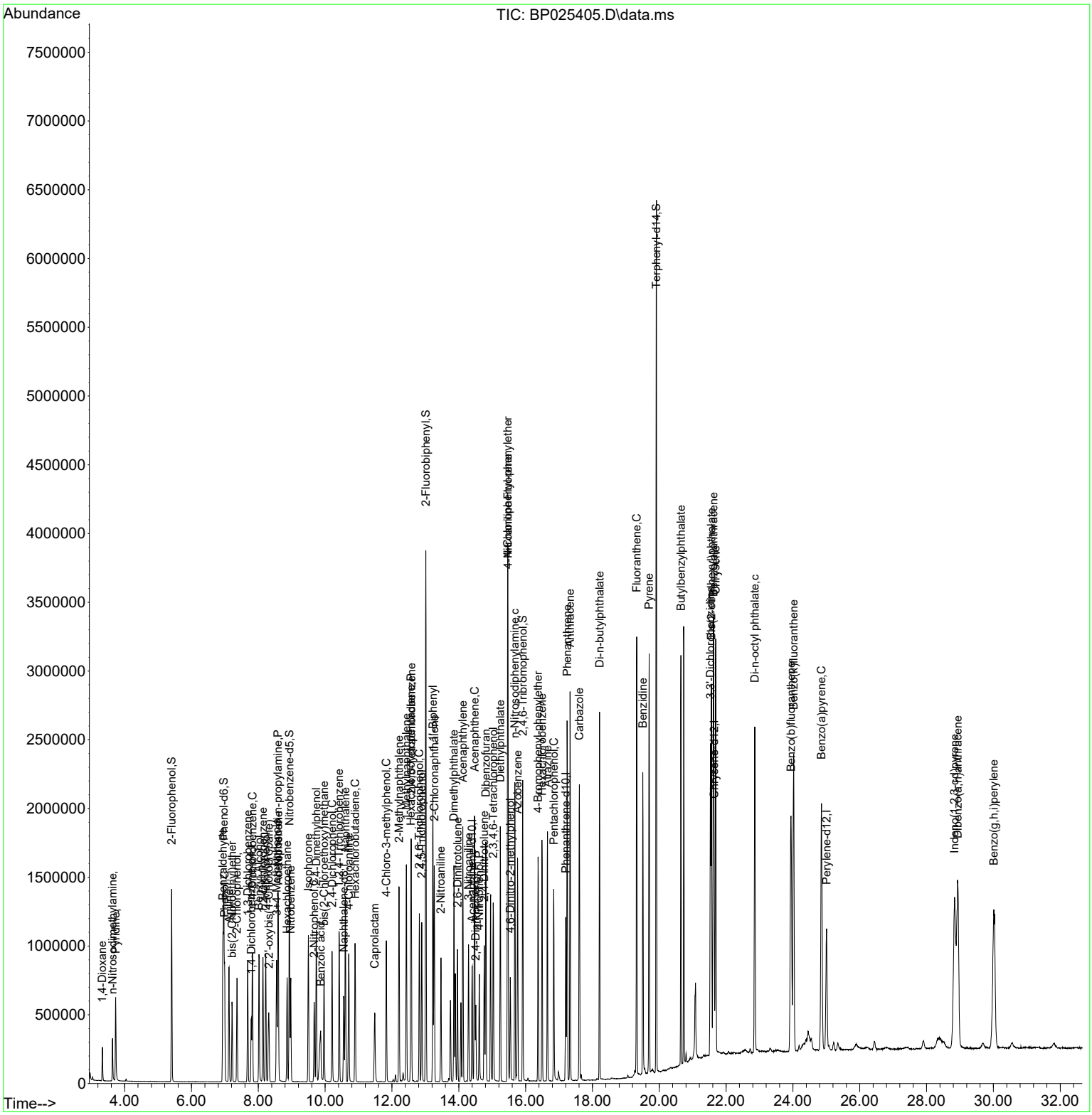
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

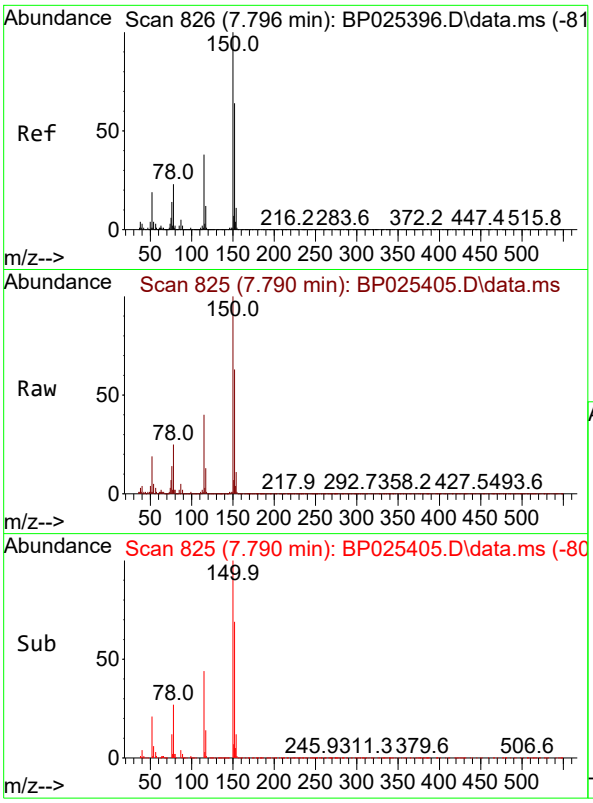
Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

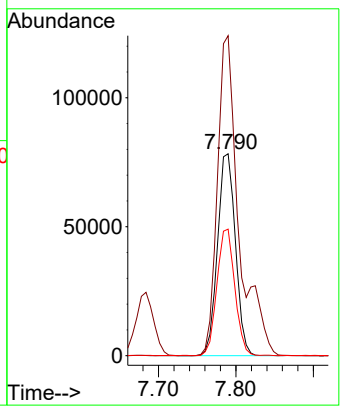




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:152 Resp: 12569

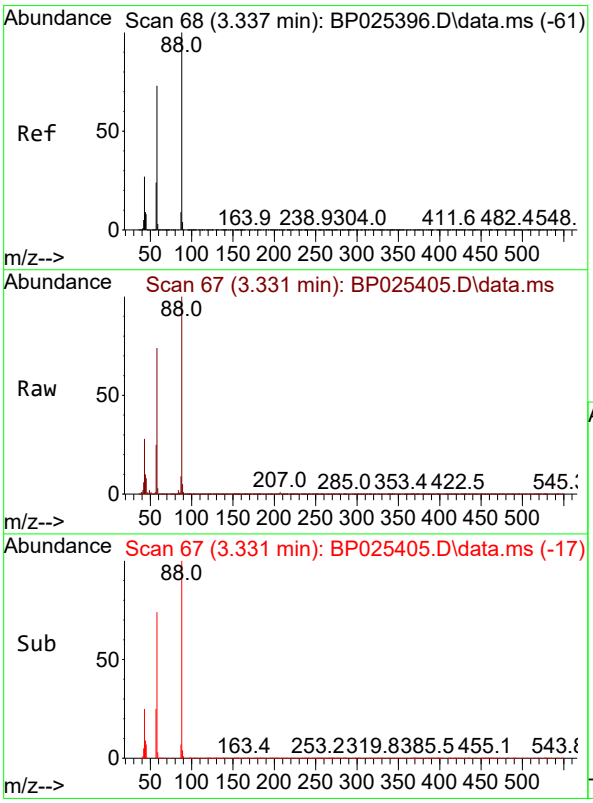
Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	62.7	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

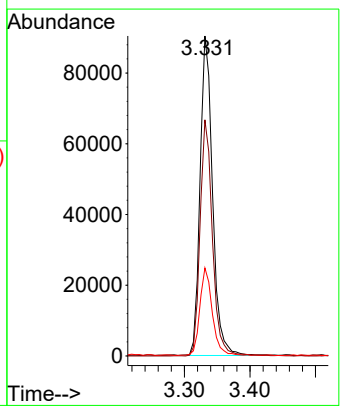
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

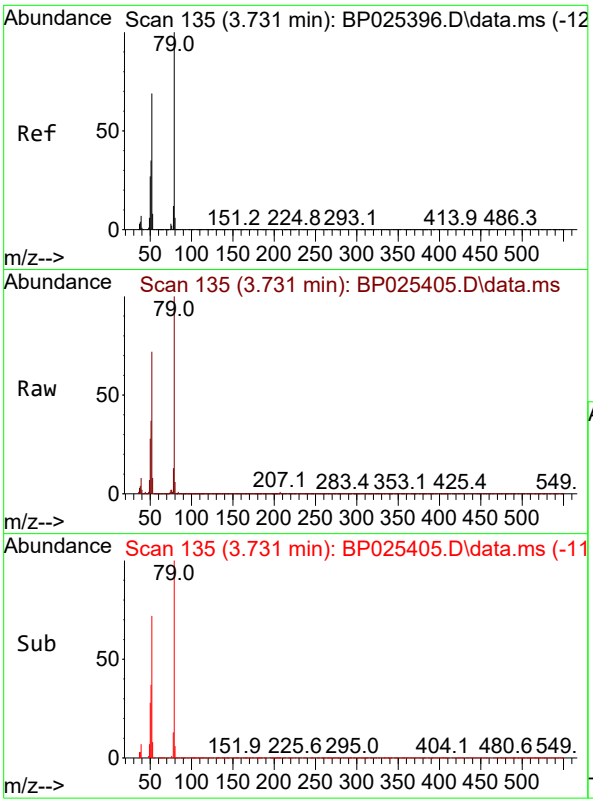


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 88 Resp: 119811

Ion	Ratio	Lower	Upper
88	100		
58	73.4	59.2	88.8
43	27.2	21.7	32.5

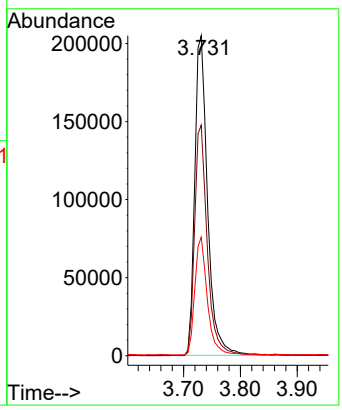




#3
Pyridine
Concen: 39.888 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 79 Resp: 32367

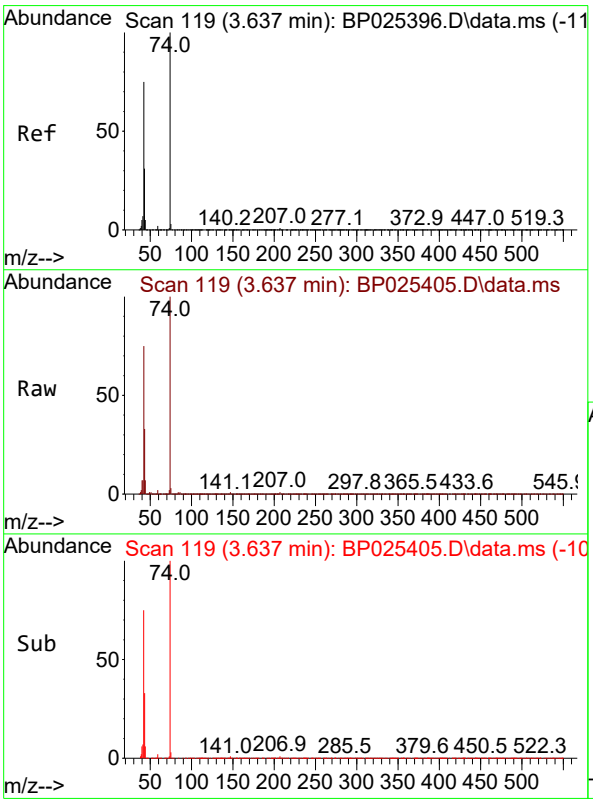
Ion	Ratio	Lower	Upper
79	100		
52	72.1	55.5	83.3
51	37.0	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

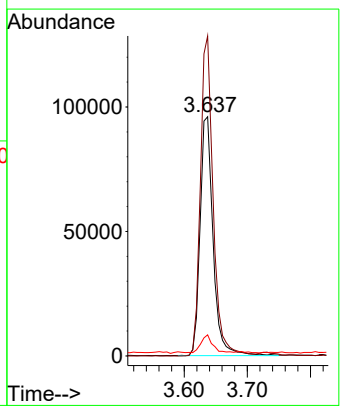
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

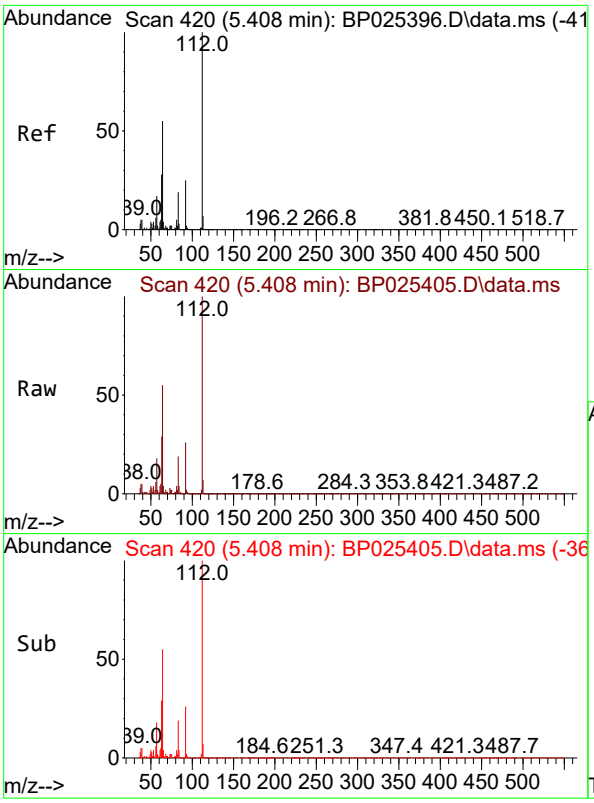


#4
n-Nitrosodimethylamine
Concen: 41.101 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 42 Resp: 137499

Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	8.8	6.2	9.4

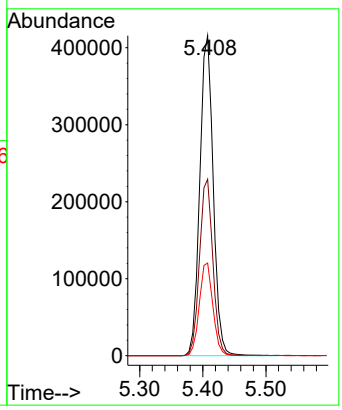




#5
2-Fluorophenol
Concen: 81.088 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:112 Resp: 61374

Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.8	65.8
63	29.0	22.7	34.1



Instrument :
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ClientSampleId :
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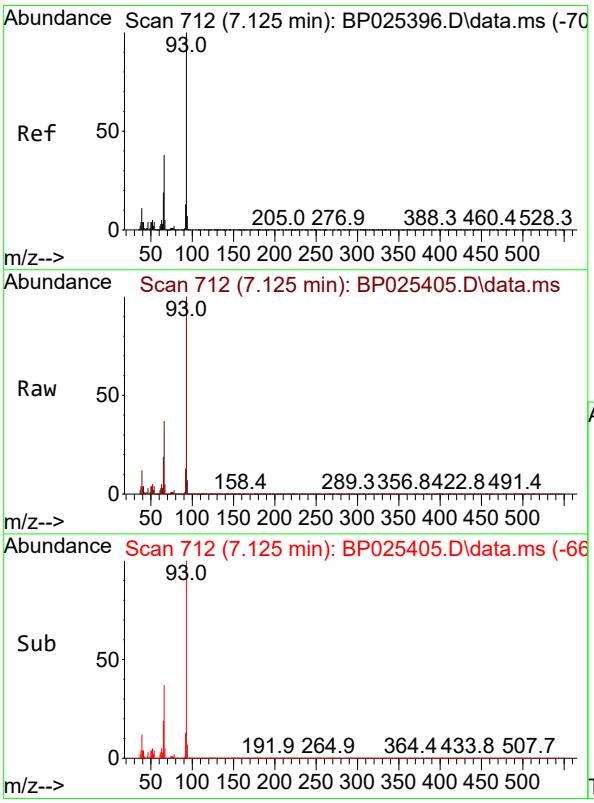
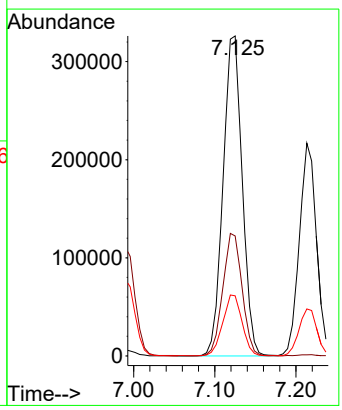
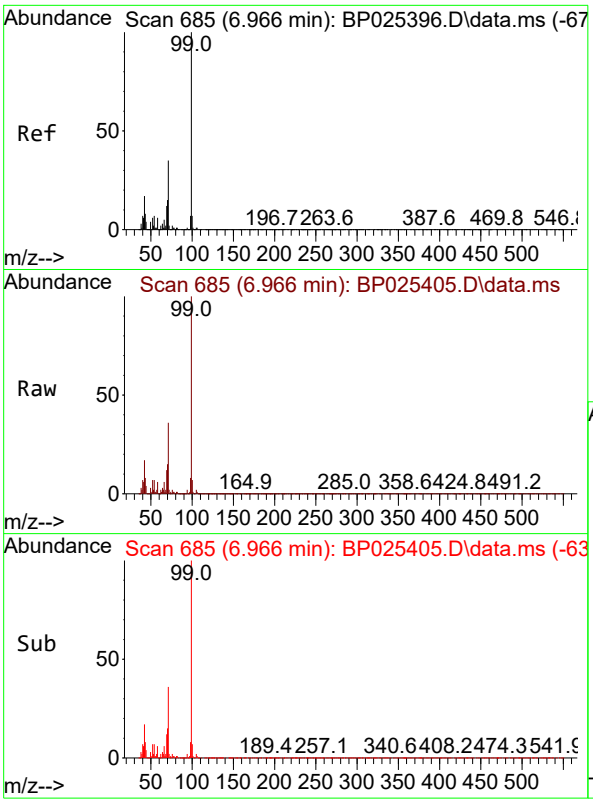


#6
Aniline
Concen: 40.970 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 535660

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.4	45.6
65	18.8	15.3	22.9

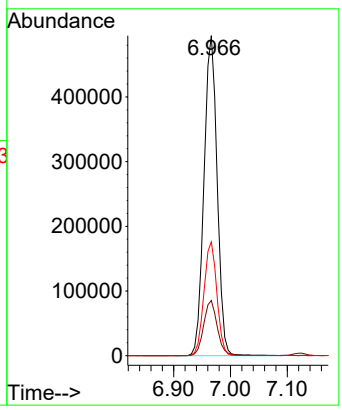




#7
Phenol-d6
Concen: 81.606 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 99 Resp: 79190

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.7	20.5
71	35.6	28.2	42.4



Instrument :
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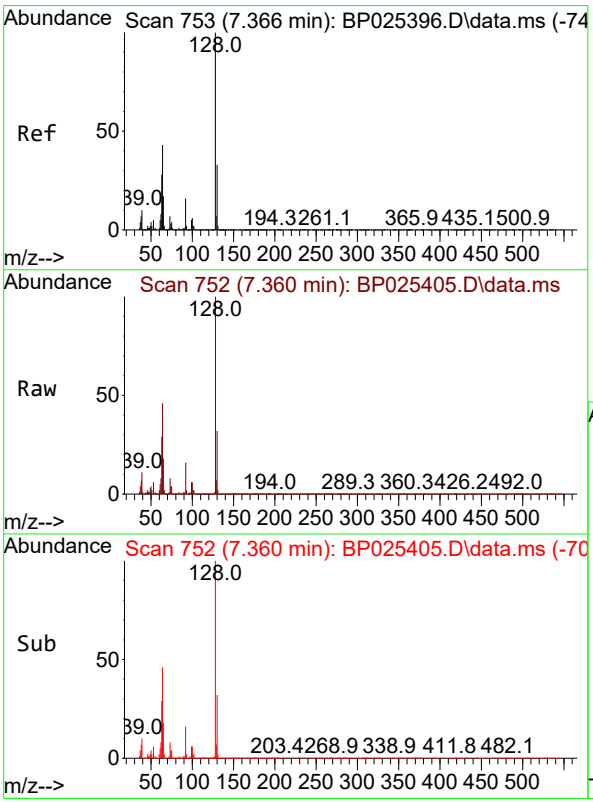
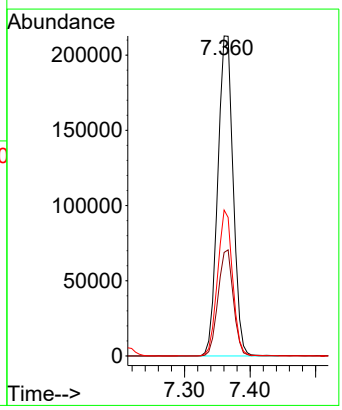
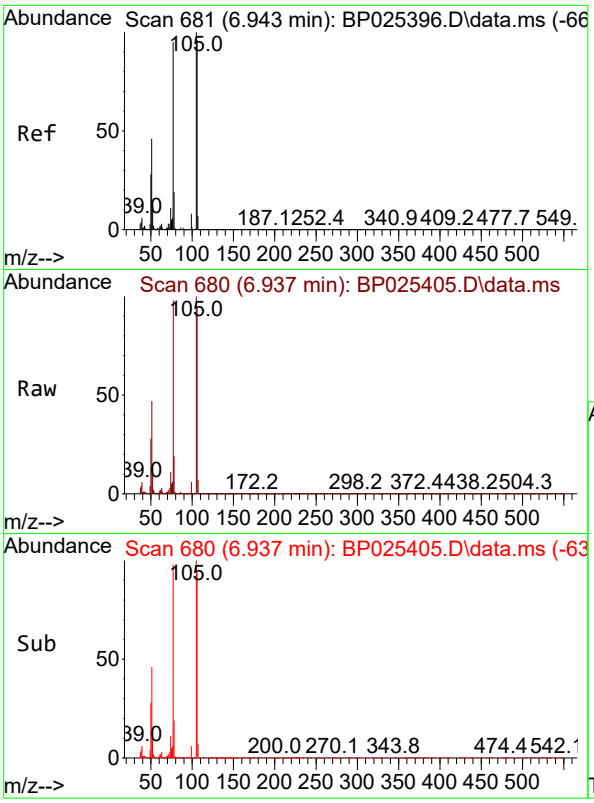


#8
2-Chlorophenol
Concen: 40.322 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:128 Resp: 344395

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.6	23.4	63.4

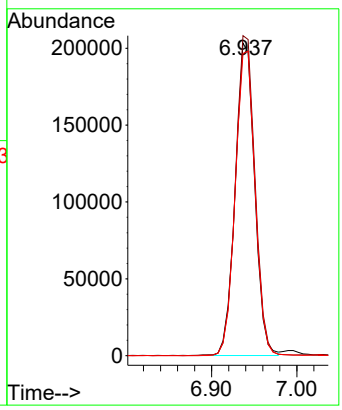




#9
Benzaldehyde
Concen: 47.275 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 77 Resp: 32140

Ion	Ratio	Lower	Upper
77	100		
105	102.4	84.8	124.8
106	96.7	80.5	120.5



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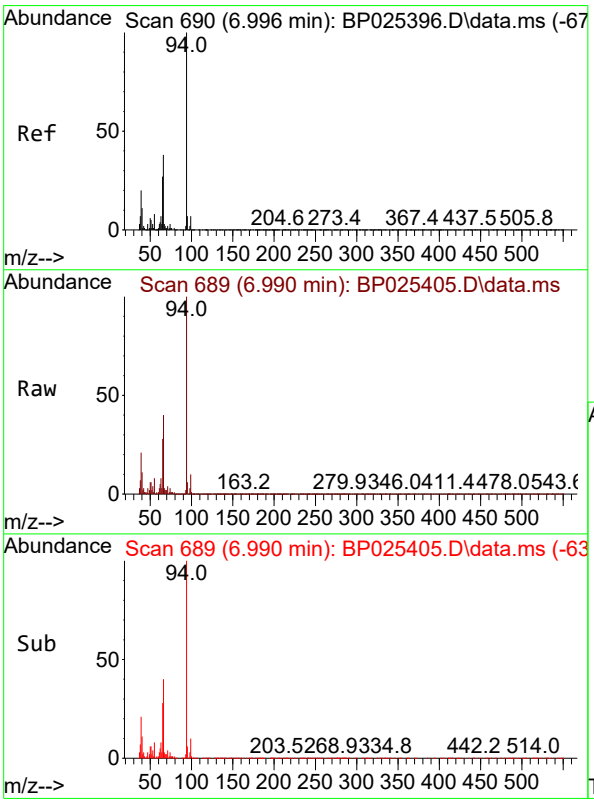
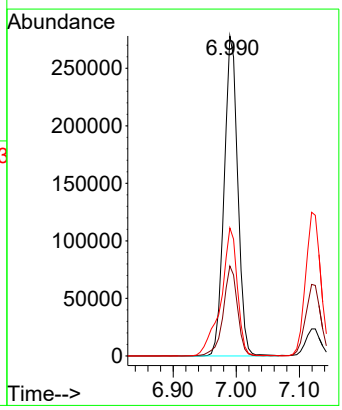
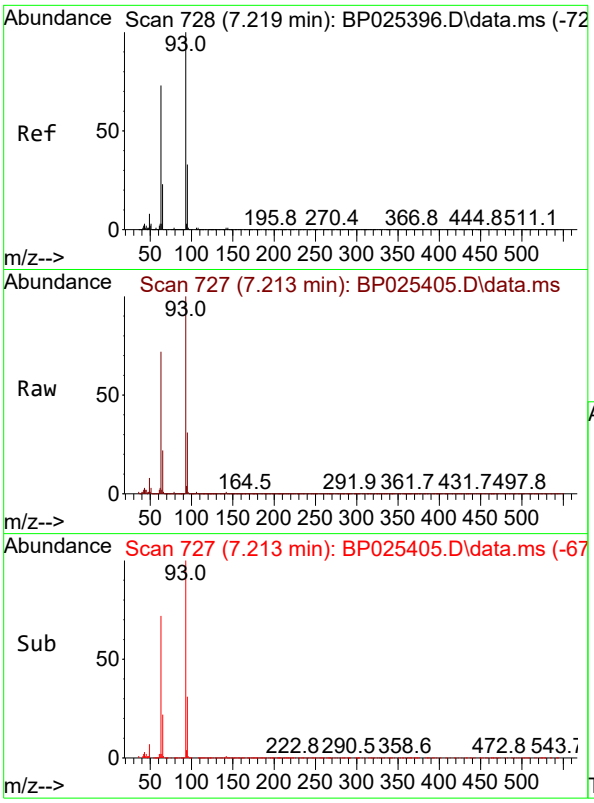


#10
Phenol
Concen: 40.771 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 94 Resp: 415144

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	40.0	18.2	58.2

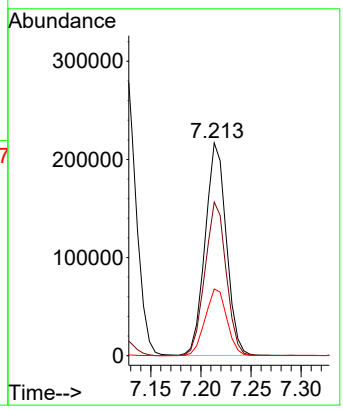




#11
bis(2-Chloroethyl)ether
Concen: 40.048 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 31783

Ion	Ratio	Lower	Upper
93	100		
63	72.2	52.6	92.6
95	31.4	12.7	52.7



Instrument :
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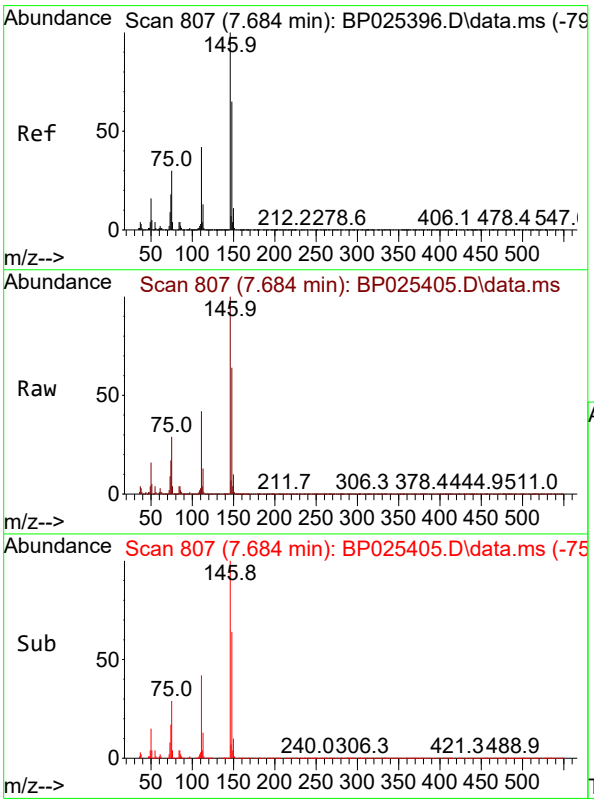
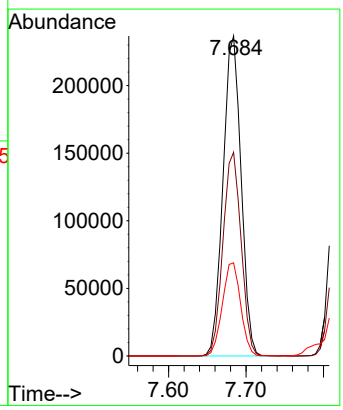
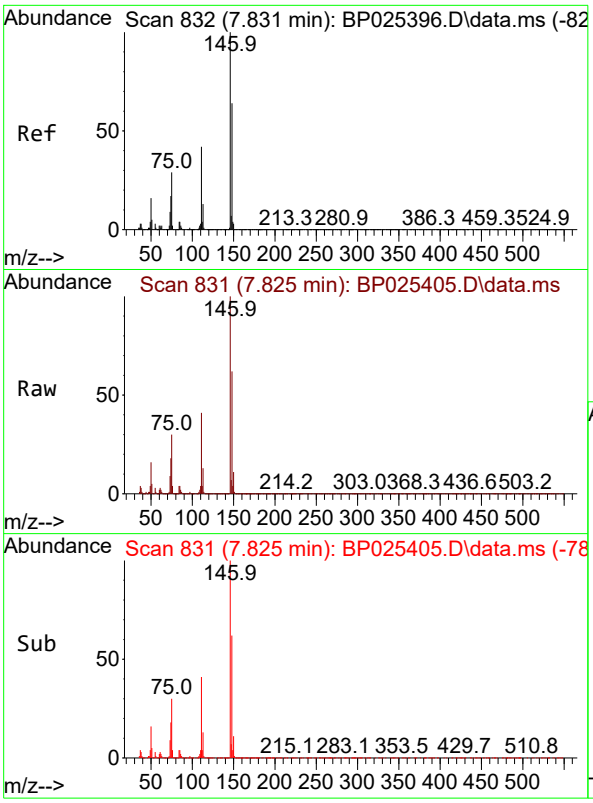


#12
1,3-Dichlorobenzene
Concen: 40.829 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:146 Resp: 384528

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
75	29.1	23.7	35.5

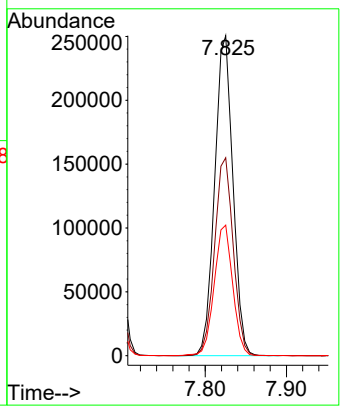




#13
1,4-Dichlorobenzene
Concen: 40.565 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:146 Resp: 39049

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.6	77.4
111	40.8	33.4	50.0



Instrument :
BNA_P
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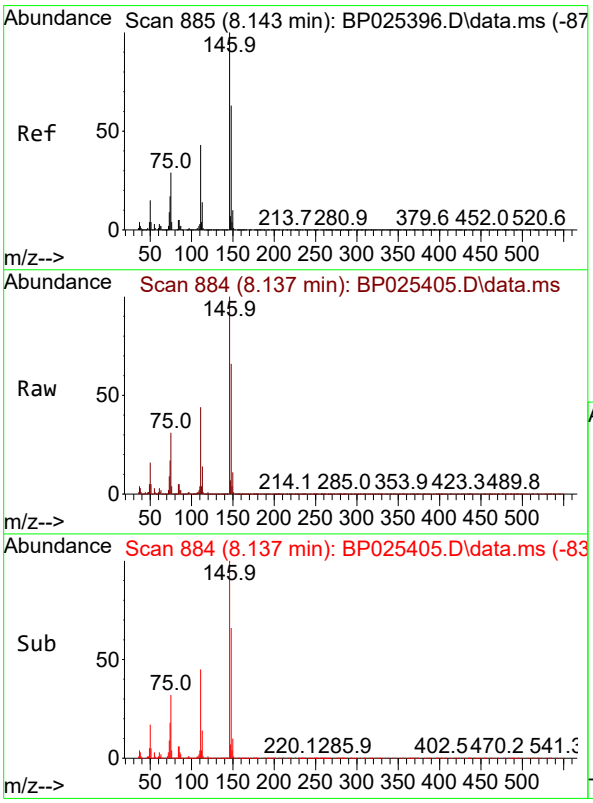
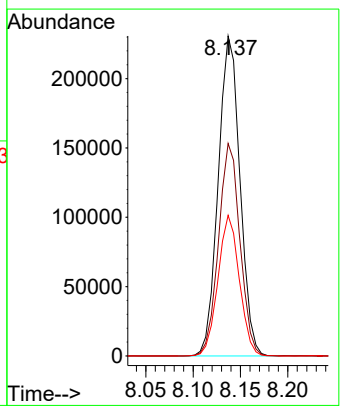
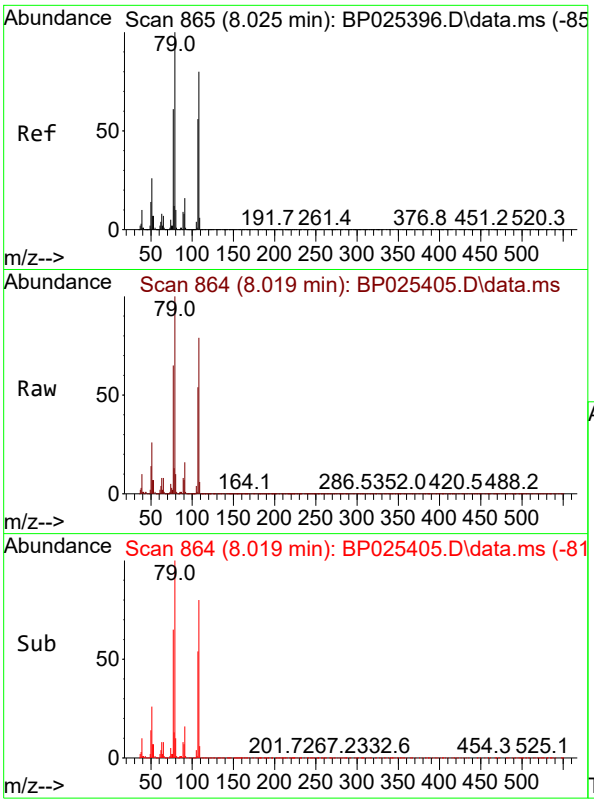


#14
1,2-Dichlorobenzene
Concen: 39.617 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:146 Resp: 369165

Ion	Ratio	Lower	Upper
146	100		
148	66.4	50.4	75.6
111	44.0	34.5	51.7





#15
Benzyl Alcohol
Concen: 40.671 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 79 Resp: 31358

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.8	95.6
77	64.7	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
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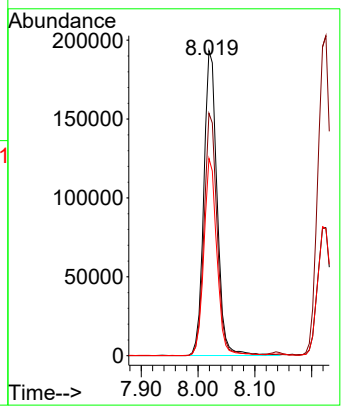
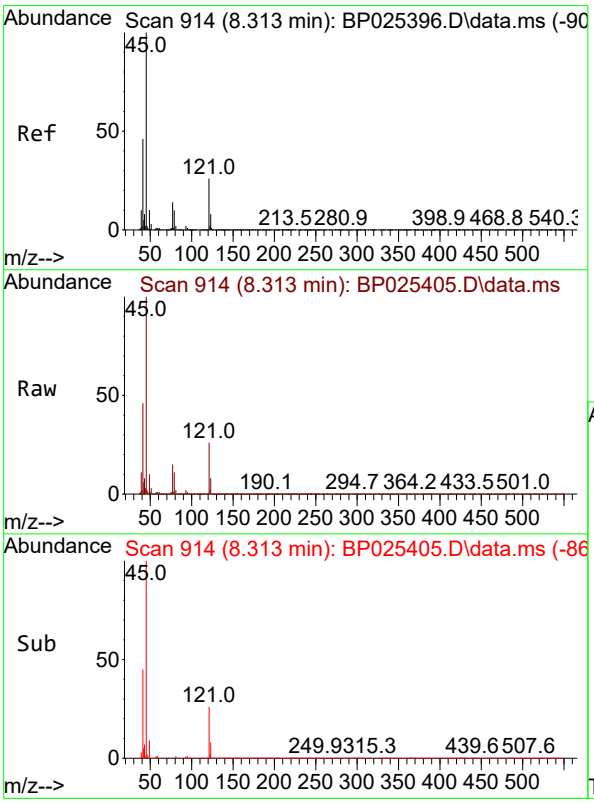
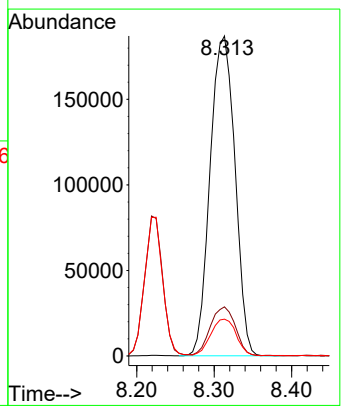


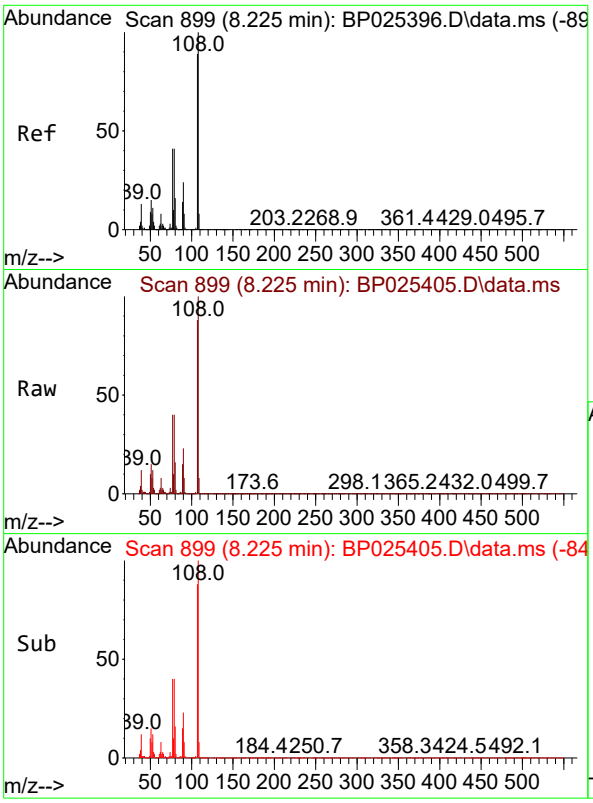


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.232 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 45 Resp: 417099

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.3
79	11.5	0.0	31.8

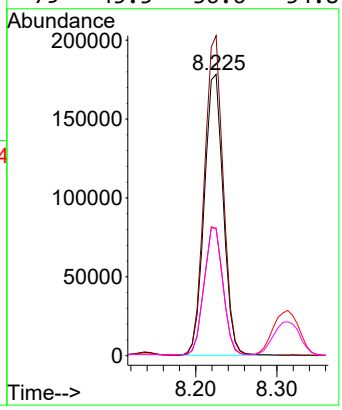




#17
2-Methylphenol
Concen: 40.791 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 28847

Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.1	36.3	54.5
79	45.5	36.6	54.8



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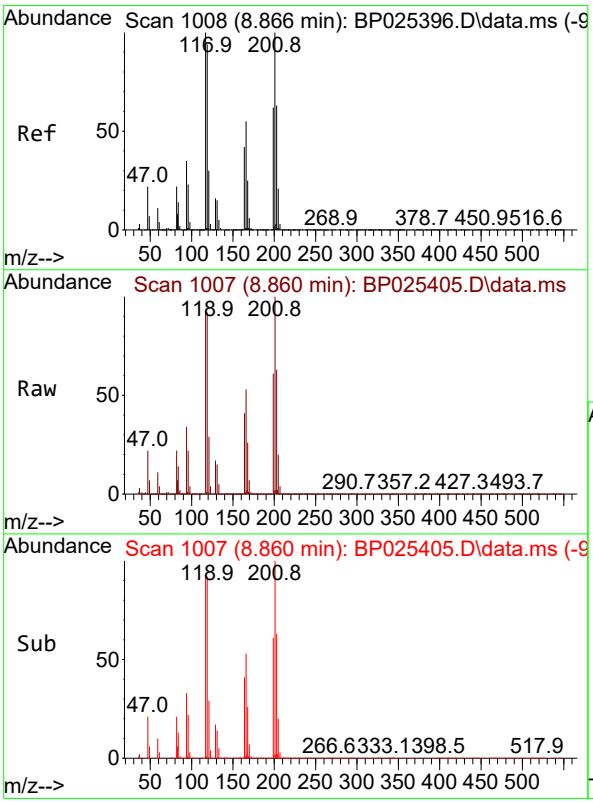
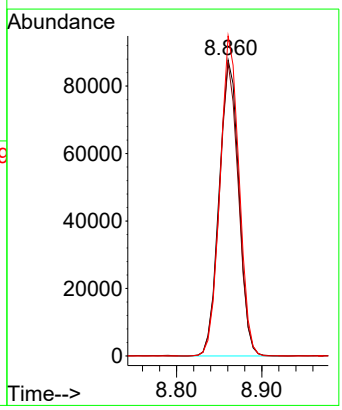
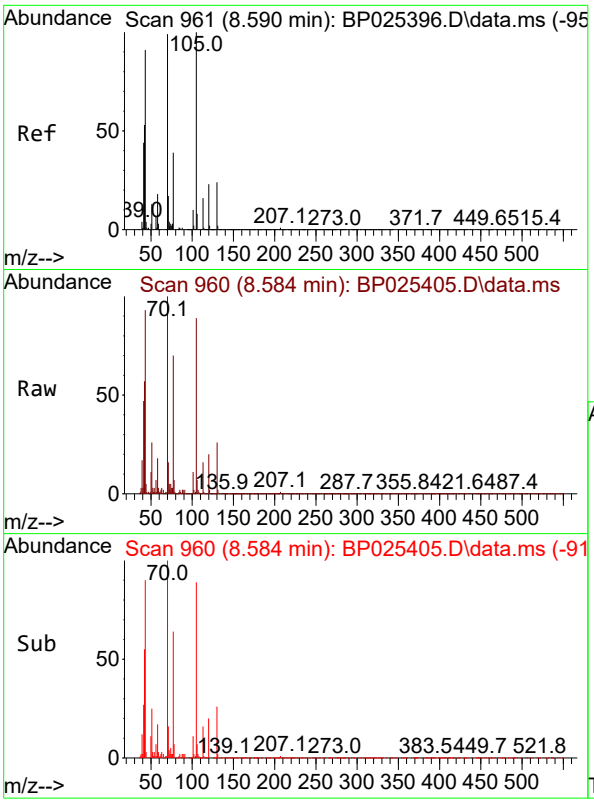


#18
Hexachloroethane
Concen: 39.750 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:117 Resp: 140690

Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.1	112.7
201	108.2	80.1	120.1

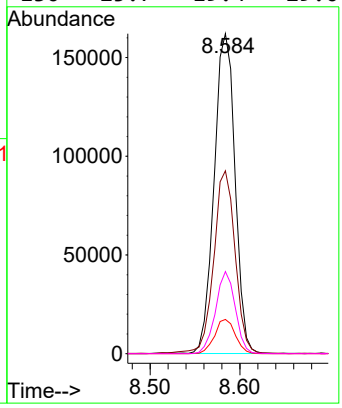




#19
n-Nitroso-di-n-propylamine
Concen: 40.666 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 70 Resp: 26139

Ion	Ratio	Lower	Upper
70	100		
42	57.2	43.8	65.6
101	10.7	8.5	12.7
130	25.7	19.4	29.0



Instrument :
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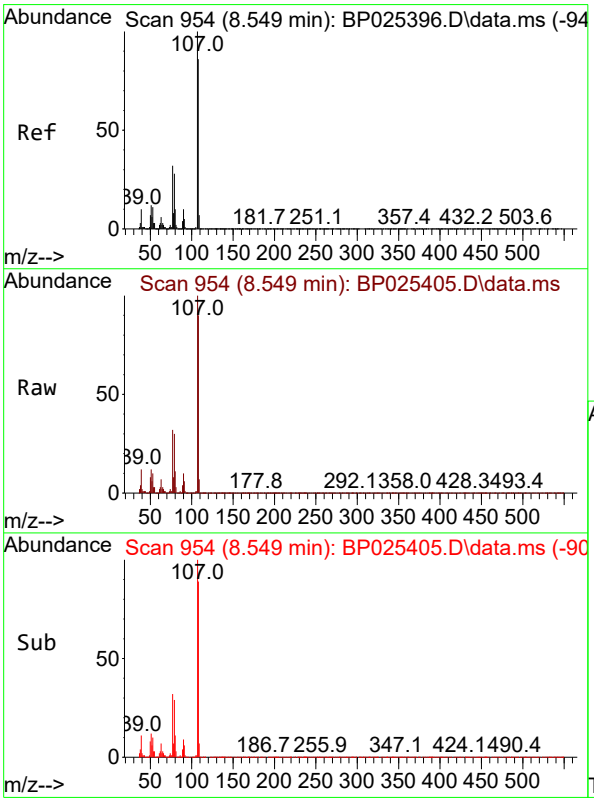
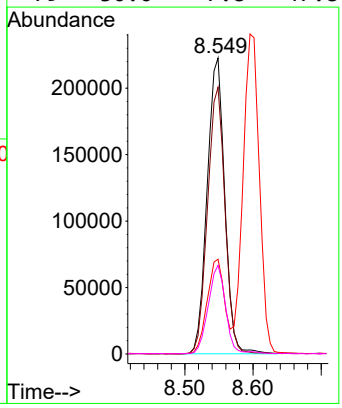
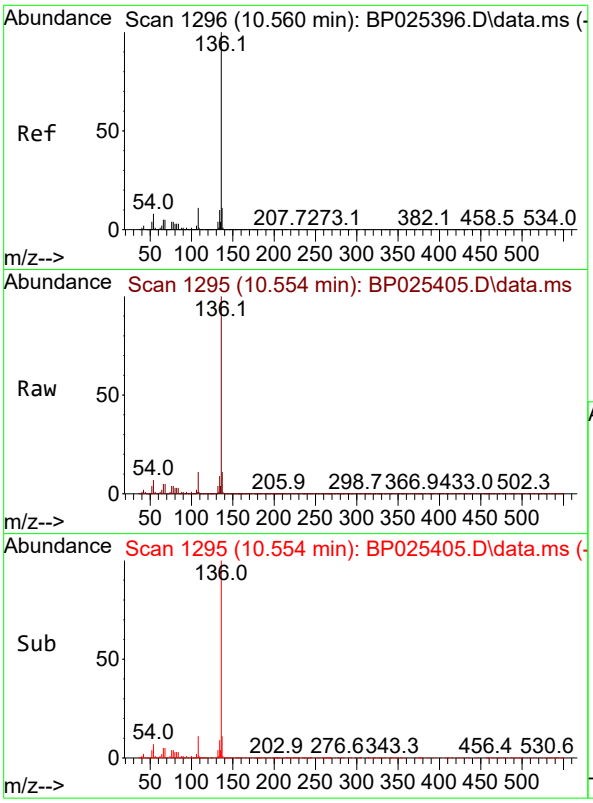


#20
3+4-Methylphenols
Concen: 40.768 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 399643

Ion	Ratio	Lower	Upper
107	100		
108	90.1	66.3	106.3
77	32.0	12.3	52.3
79	30.0	7.8	47.8

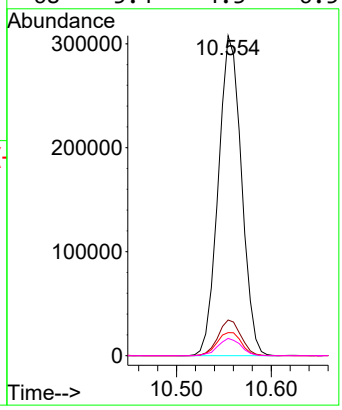




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:136 Resp: 52339

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.2	6.0	9.0
68	5.4	4.3	6.5



Instrument :
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ClientSampleId :
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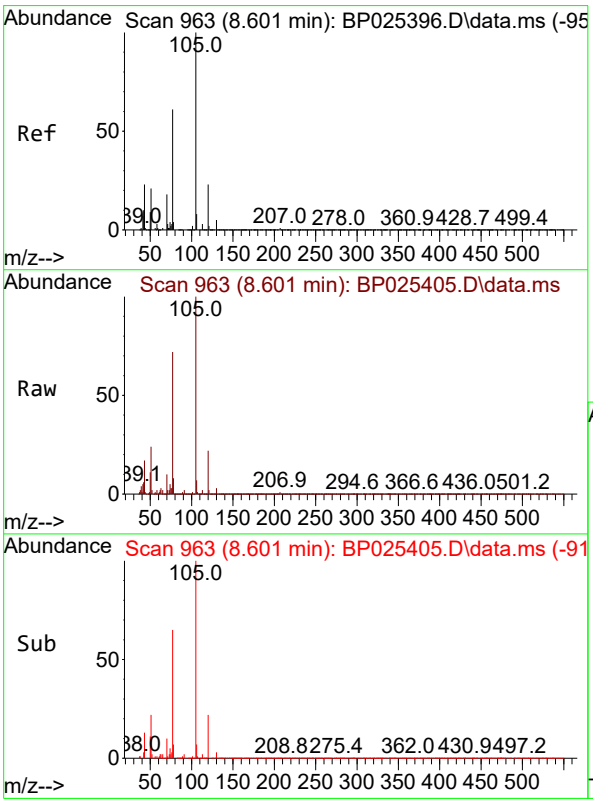
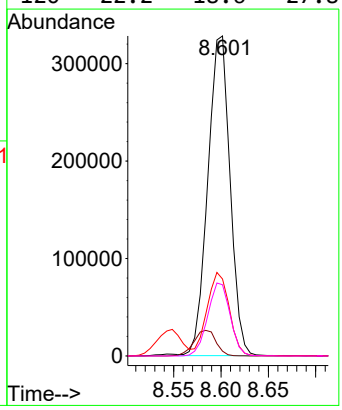
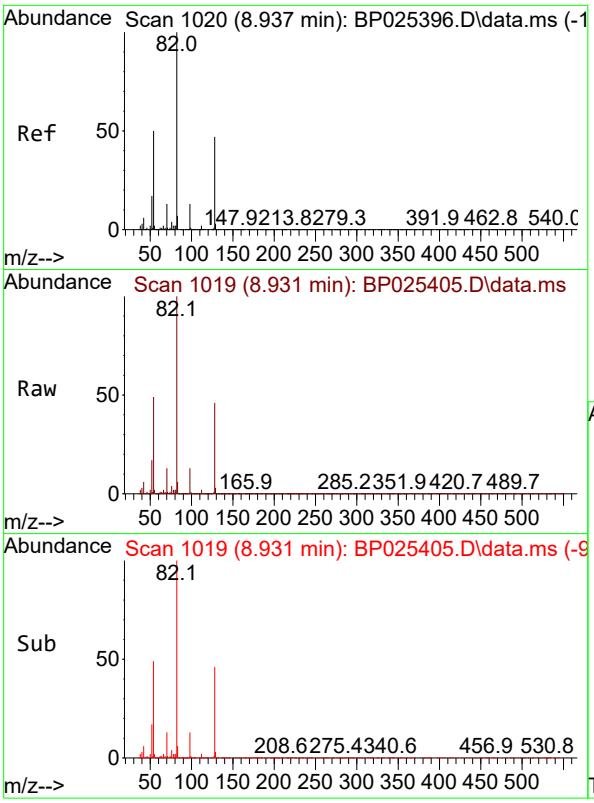


#22
Acetophenone
Concen: 40.930 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:105 Resp: 537231

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	24.1	20.6	30.8
120	22.2	18.6	27.8





#23
Nitrobenzene-d5
Concen: 81.634 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 82 Resp: 84464

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	48.6	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
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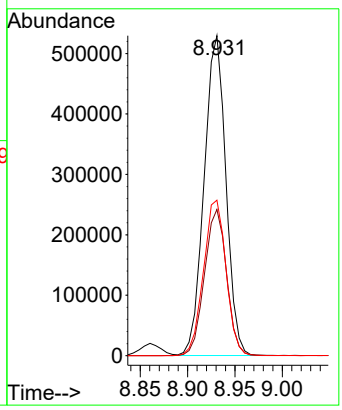
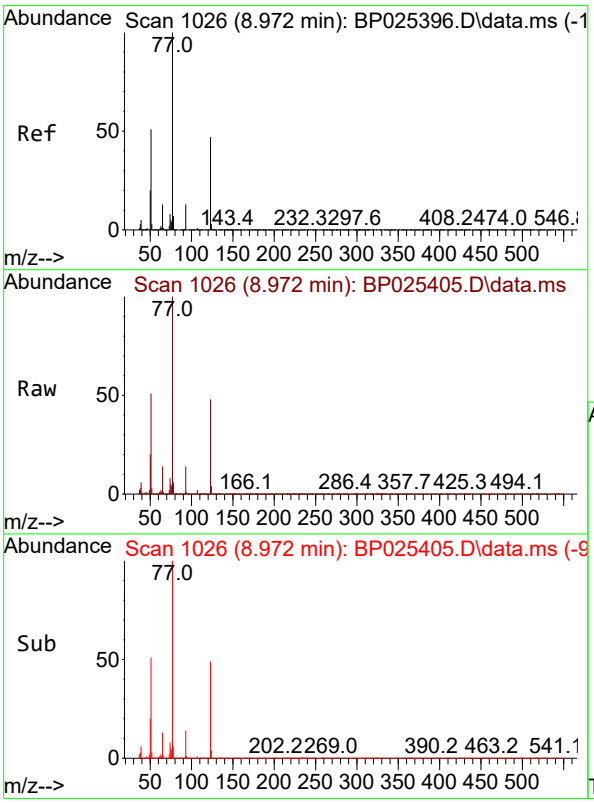
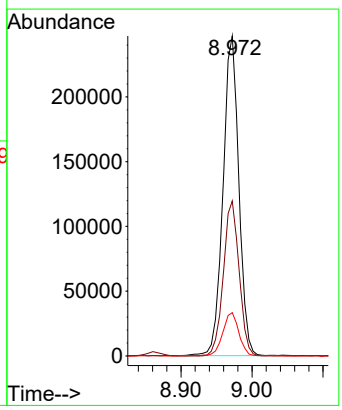


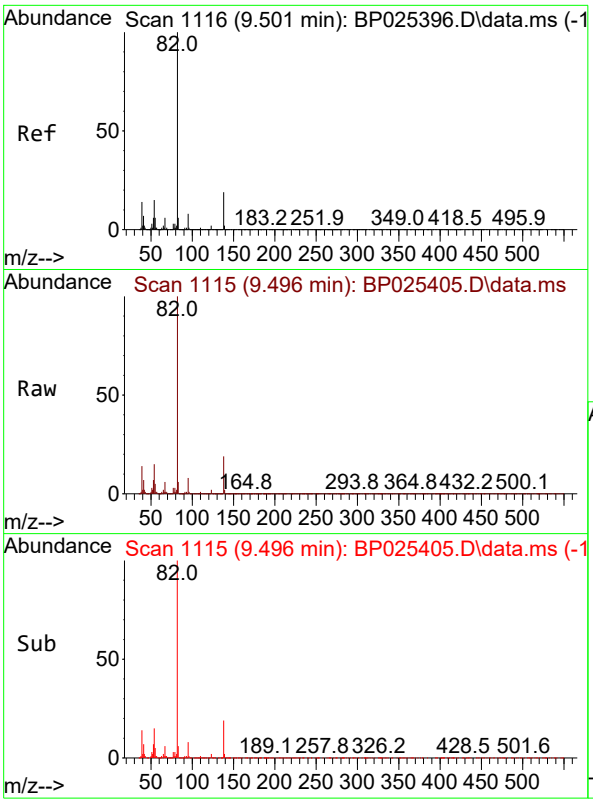


#24
Nitrobenzene
Concen: 41.117 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 77 Resp: 380213

Ion	Ratio	Lower	Upper
77	100		
123	48.5	38.6	58.0
65	13.5	10.6	15.8





#25
Isophorone
Concen: 40.642 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 82 Resp: 74419

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.8	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
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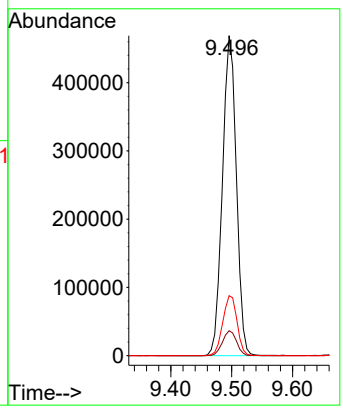
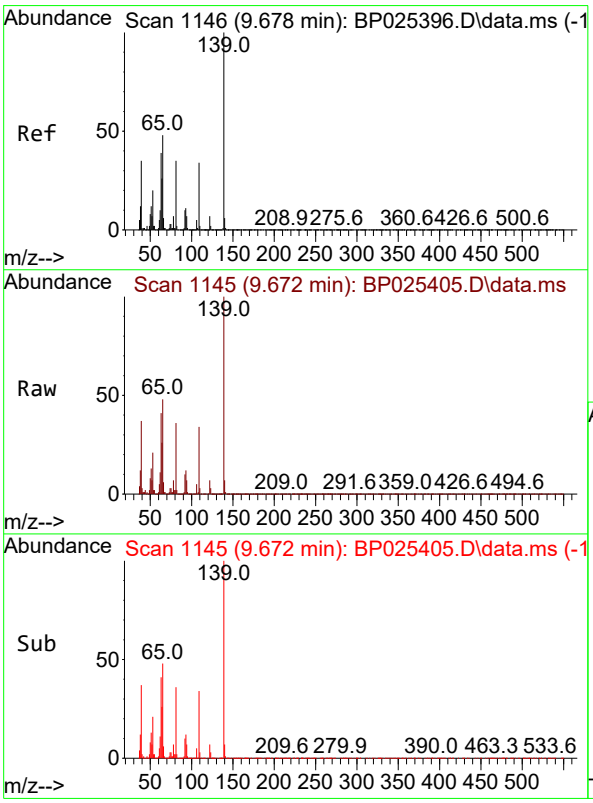
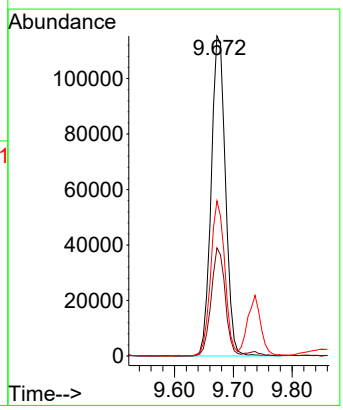


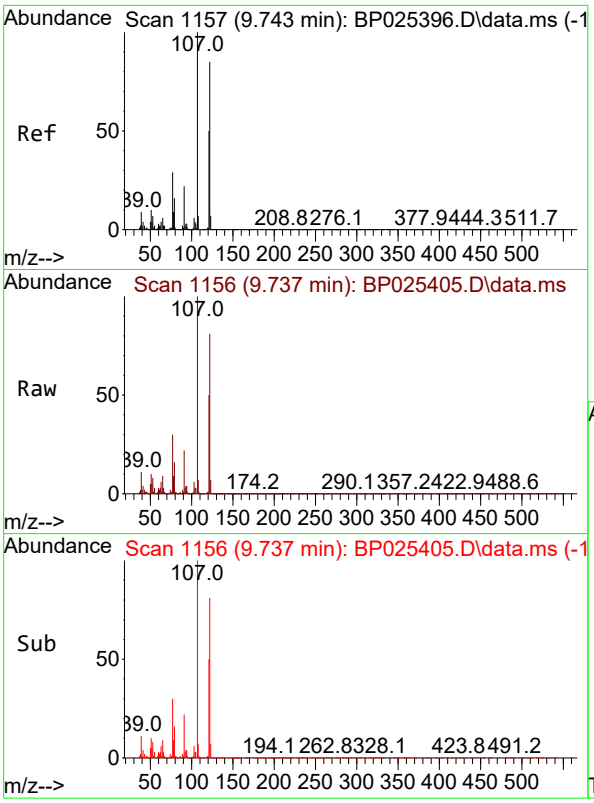


#26
2-Nitrophenol
Concen: 40.994 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:139 Resp: 194543

Ion	Ratio	Lower	Upper
139	100		
109	33.8	26.9	40.3
65	48.4	38.3	57.5

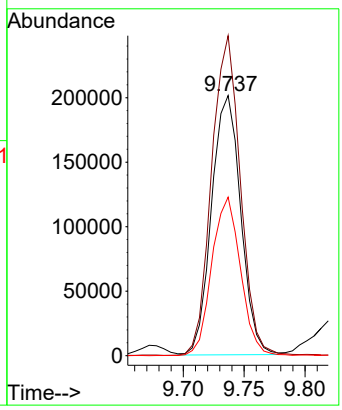




#27
2,4-Dimethylphenol
Concen: 41.117 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:122 Resp: 33556

Ion	Ratio	Lower	Upper
122	100		
107	123.0	93.7	140.5
121	60.9	46.6	69.8



Instrument :
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ClientSampleId :
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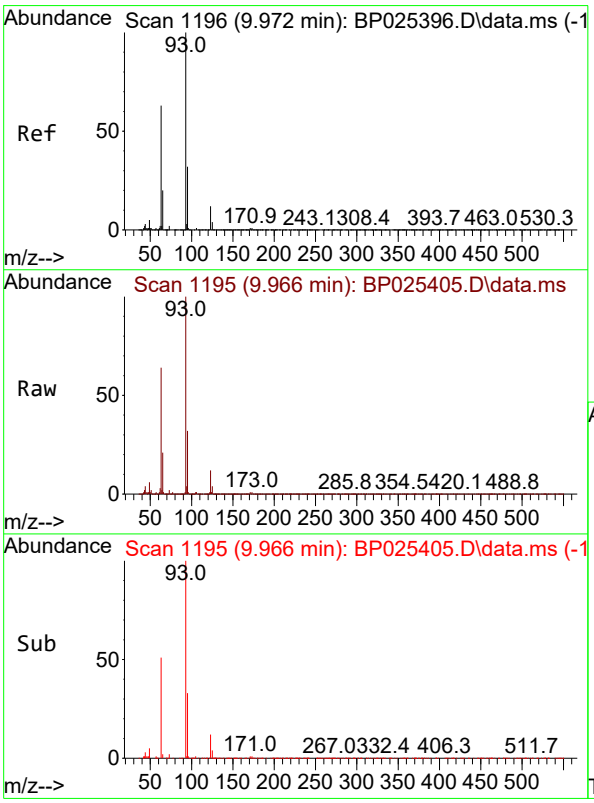
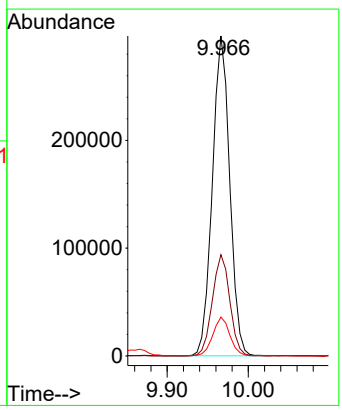
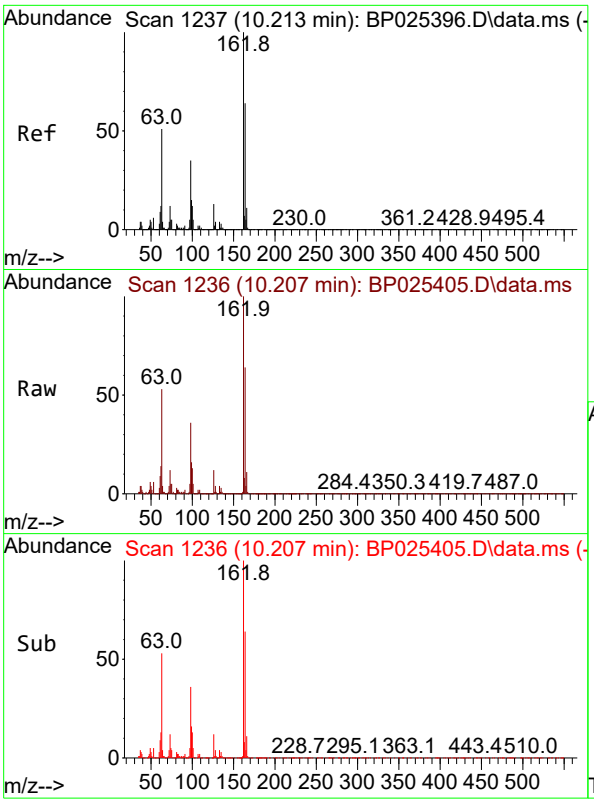


#28
bis(2-Chloroethoxy)methane
Concen: 39.927 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 441941

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.0
123	12.1	9.4	14.0

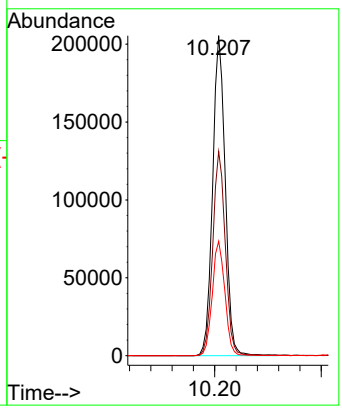




#29
2,4-Dichlorophenol
Concen: 41.524 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:162 Resp: 33664

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.4	84.4
98	35.8	14.9	54.9



Instrument :
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ClientSampleId :
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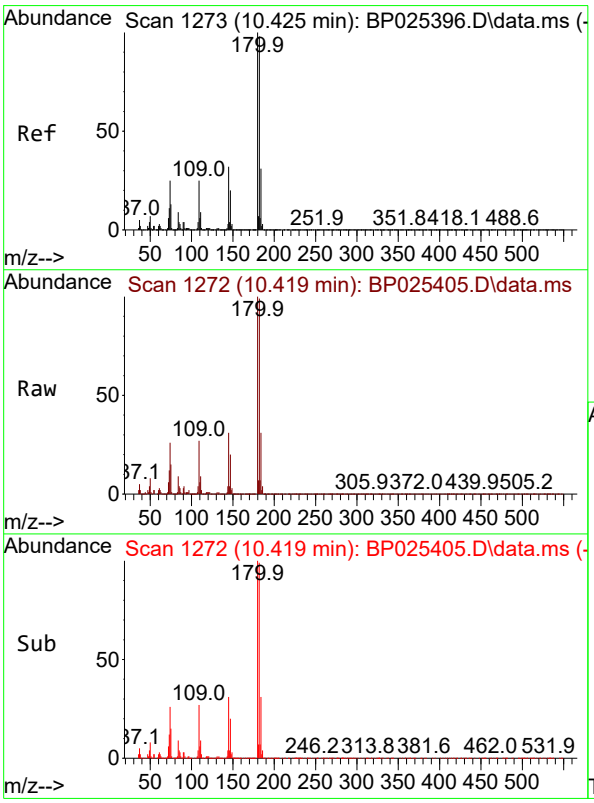
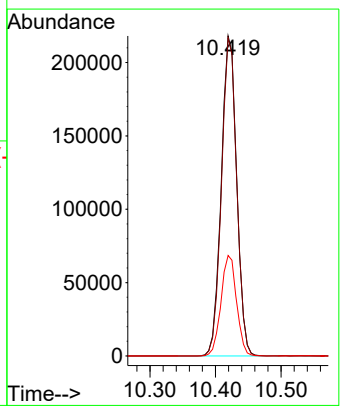
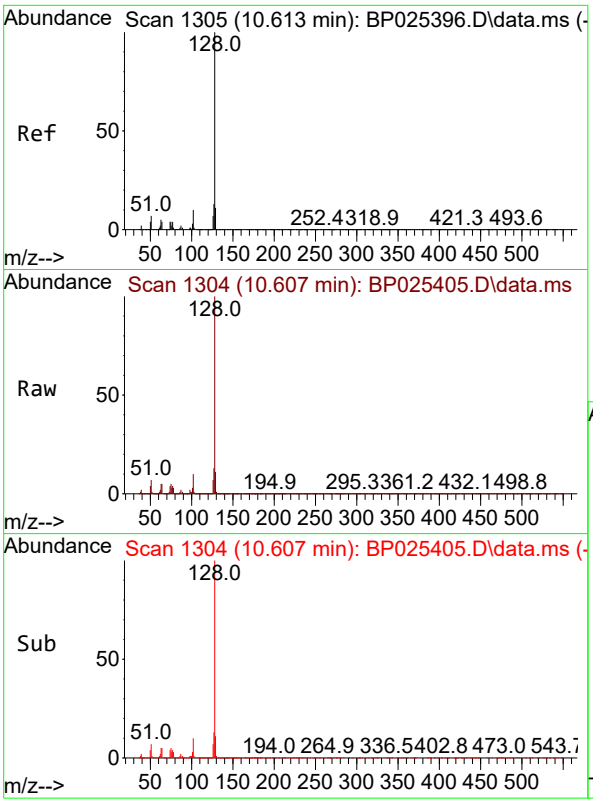


#30
1,2,4-Trichlorobenzene
Concen: 39.885 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:180 Resp: 354463

Ion	Ratio	Lower	Upper
180	100		
182	99.4	78.0	117.0
145	31.4	25.9	38.9





#31
Naphthalene
Concen: 40.194 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:128 Resp: 109342

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.8	10.7	16.1

Instrument :
BNA_P
ClientSampleId :
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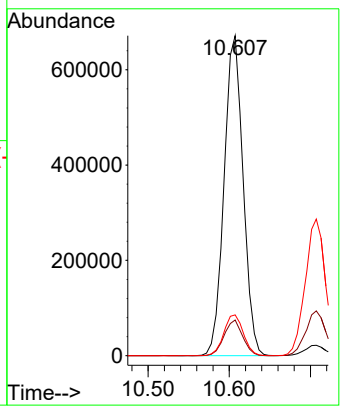
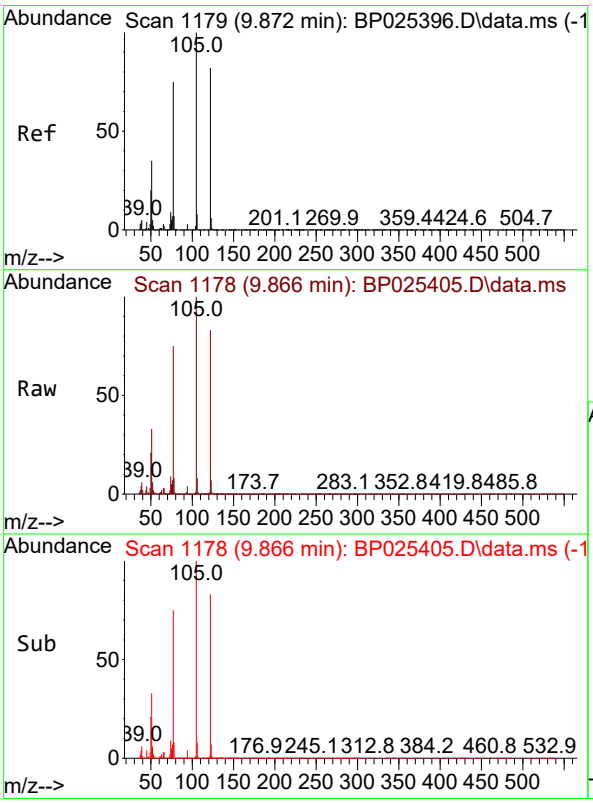
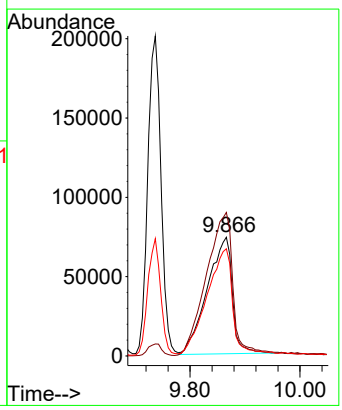


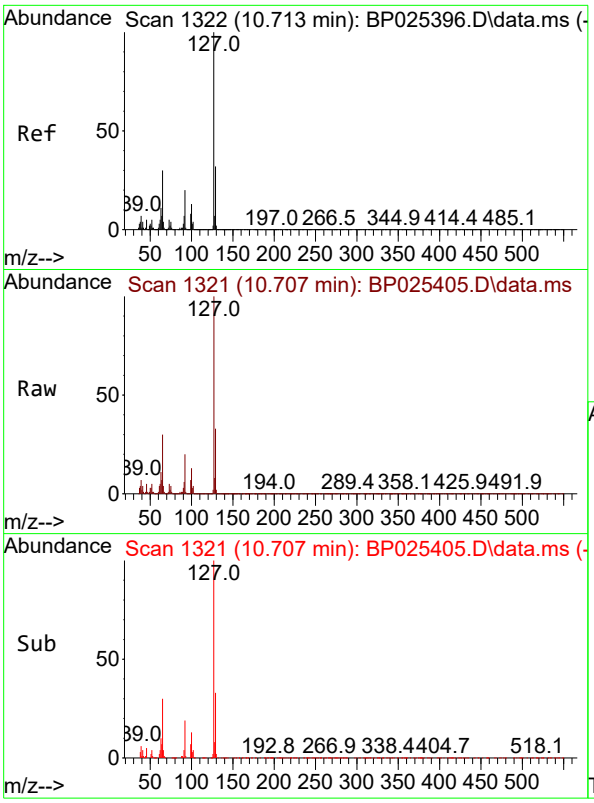


#32
Benzoic acid
Concen: 38.736 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:122 Resp: 233390

Ion	Ratio	Lower	Upper
122	100		
105	120.9	100.6	140.6
77	90.3	71.5	111.5

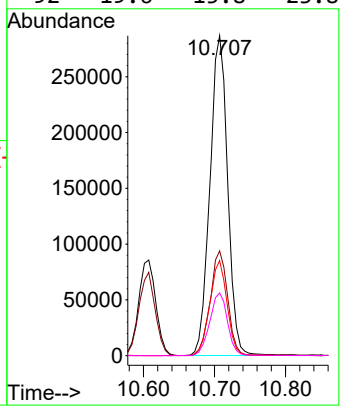




#33
4-Chloroaniline
Concen: 41.245 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:127 Resp: 49562

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.4	38.2
65	29.7	23.8	35.6
92	19.6	15.8	23.8



Instrument :
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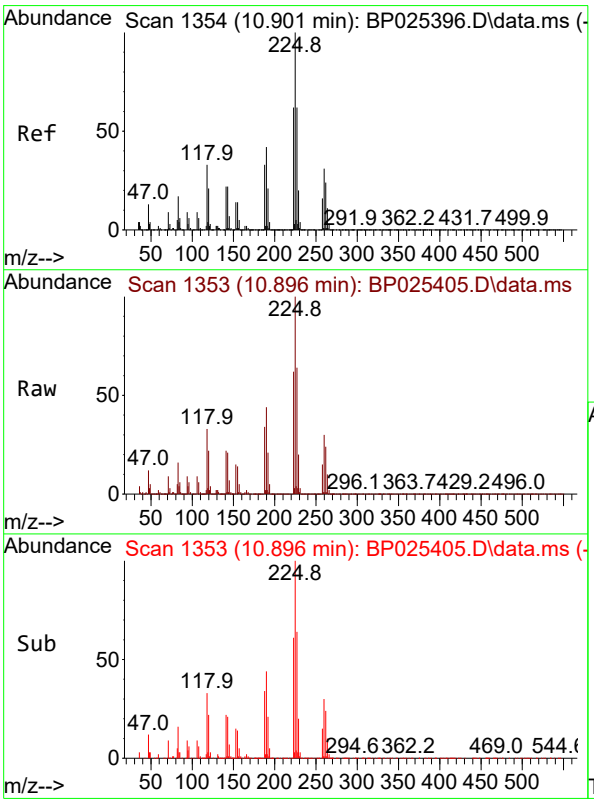
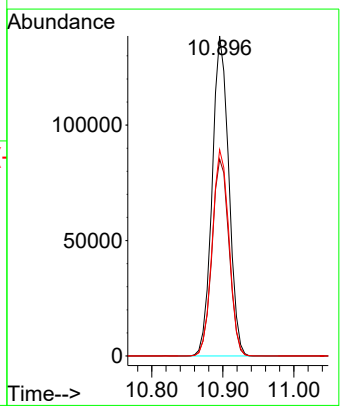
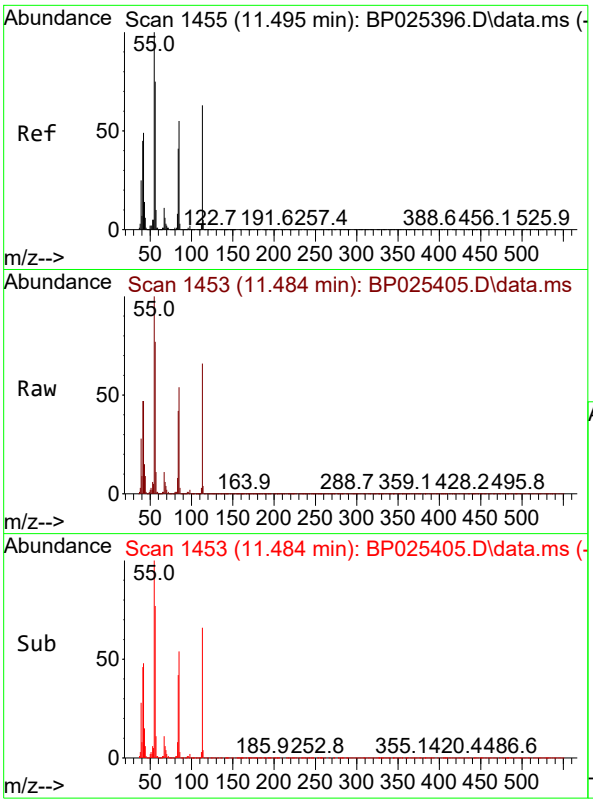


#34
Hexachlorobutadiene
Concen: 40.518 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:225 Resp: 224258

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	64.5	49.7	74.5





#35
Caprolactam
Concen: 41.412 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:113 Resp: 12310

Ion	Ratio	Lower	Upper
113	100		
55	152.5	140.0	180.0
56	117.7	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
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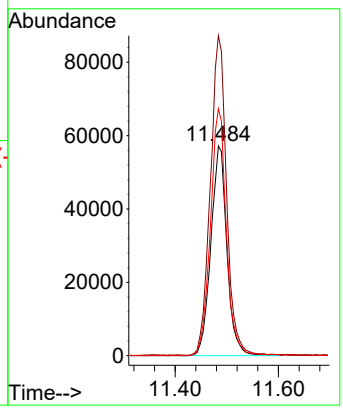
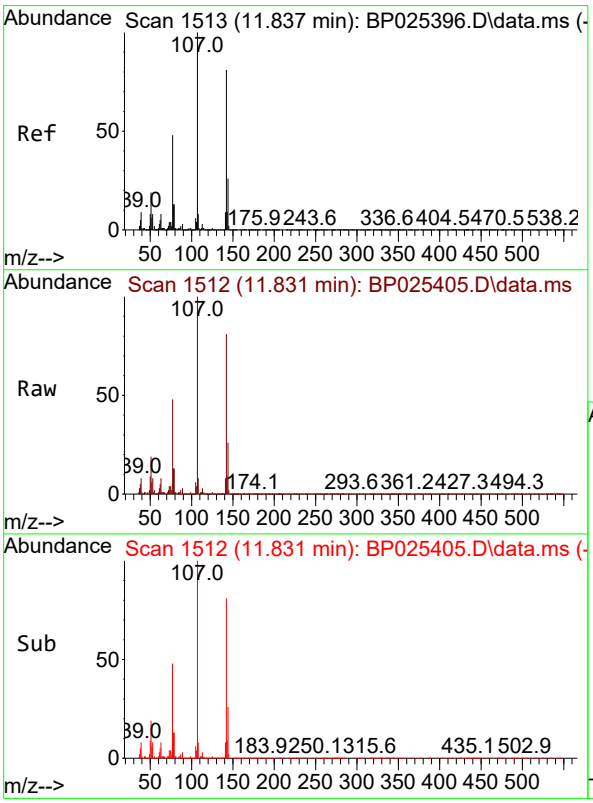
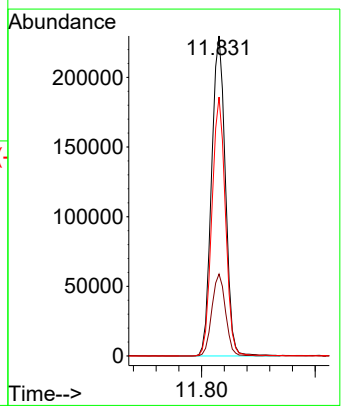


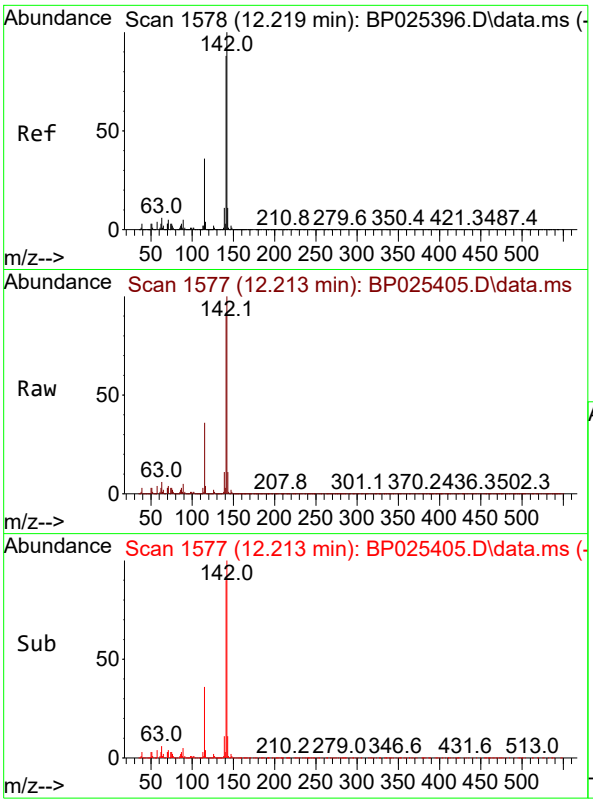


#36
4-Chloro-3-methylphenol
Concen: 41.484 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 385915

Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.0	31.4
142	80.9	64.6	97.0

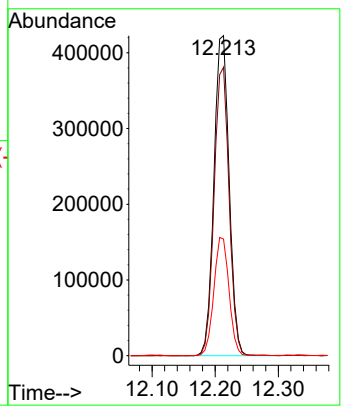




#37
2-Methylnaphthalene
Concen: 39.832 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:142 Resp: 70516

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	36.5	28.9	43.3



Instrument :
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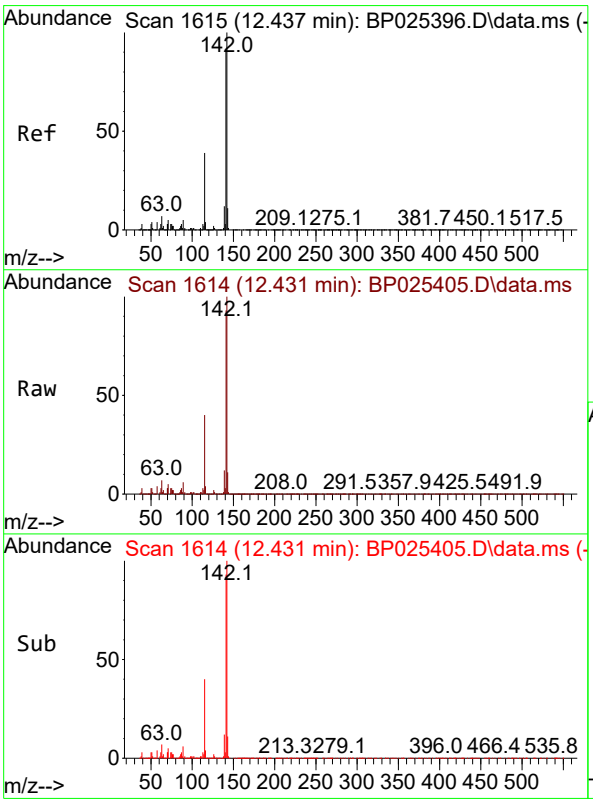
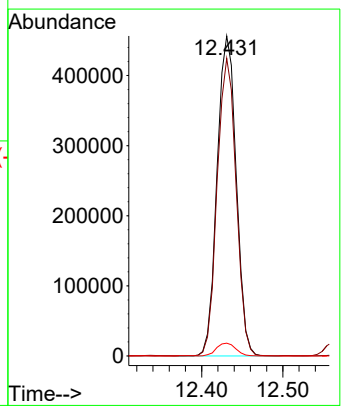
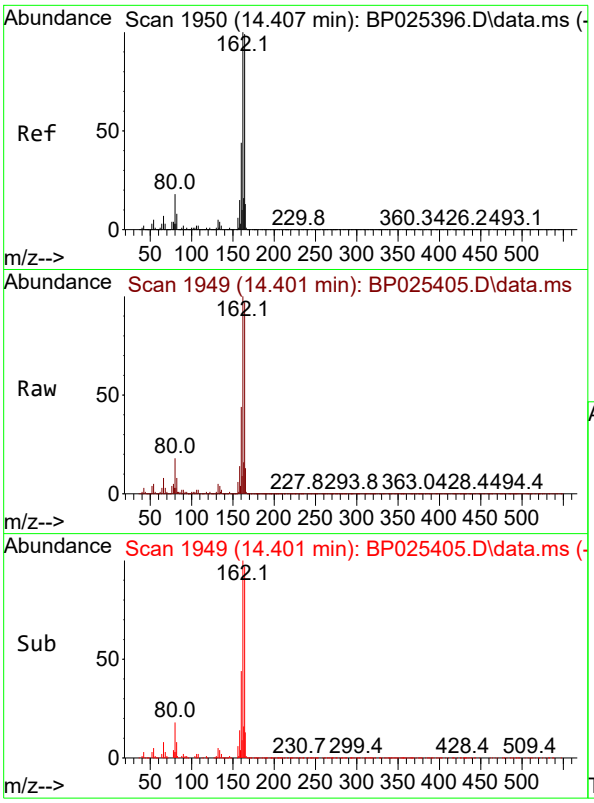


#38
1-Methylnaphthalene
Concen: 39.723 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:142 Resp: 747864

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7
116	4.0	3.2	4.8

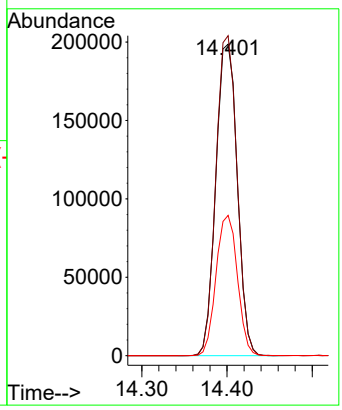




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:164 Resp: 34761

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.0	121.6
160	45.0	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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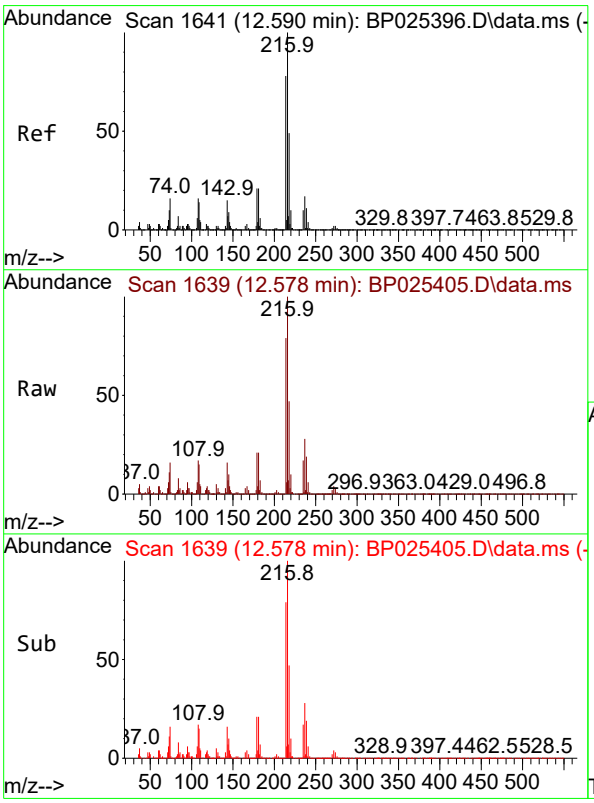
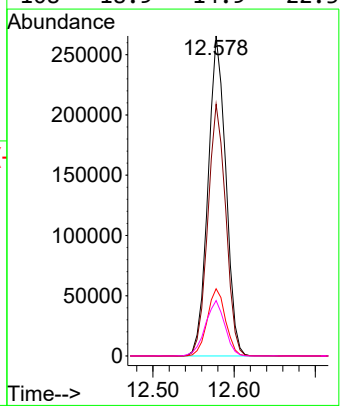
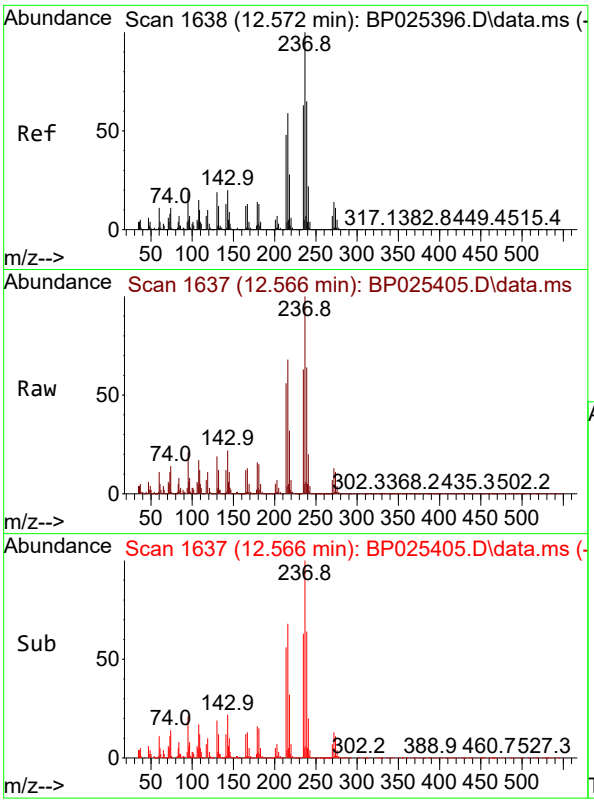


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.342 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:216 Resp: 405013

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.5	17.1	25.7
108	18.9	14.9	22.3

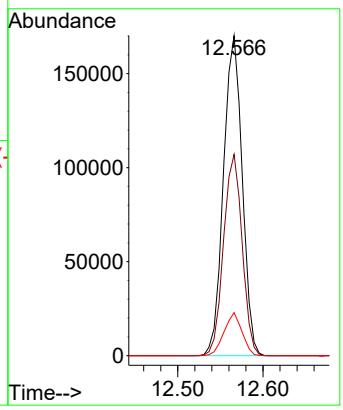




#41
Hexachlorocyclopentadiene
Concen: 42.907 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:237 Resp: 26020

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.7	82.7
272	13.5	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
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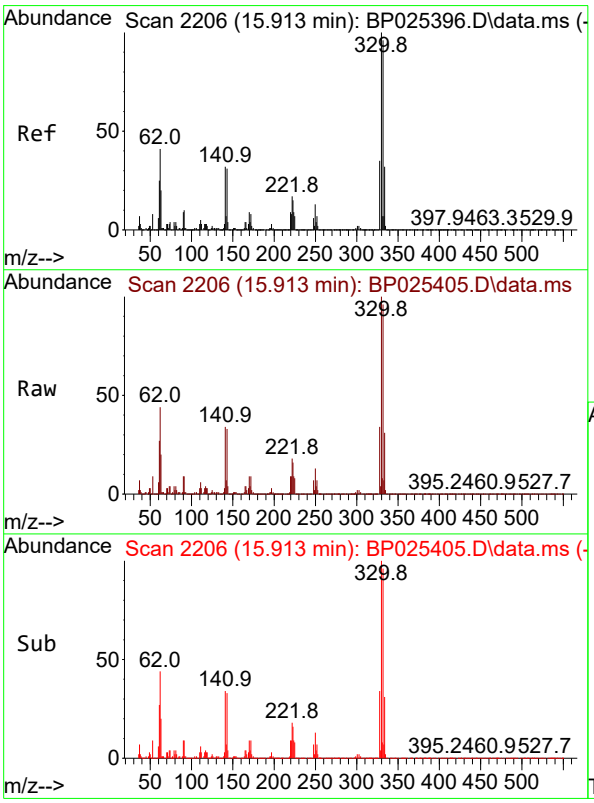
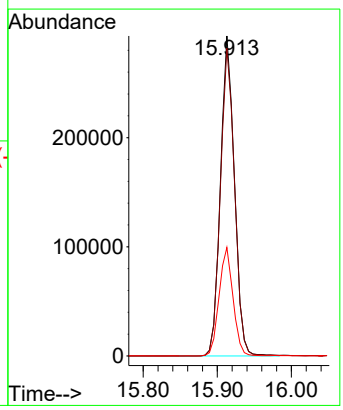
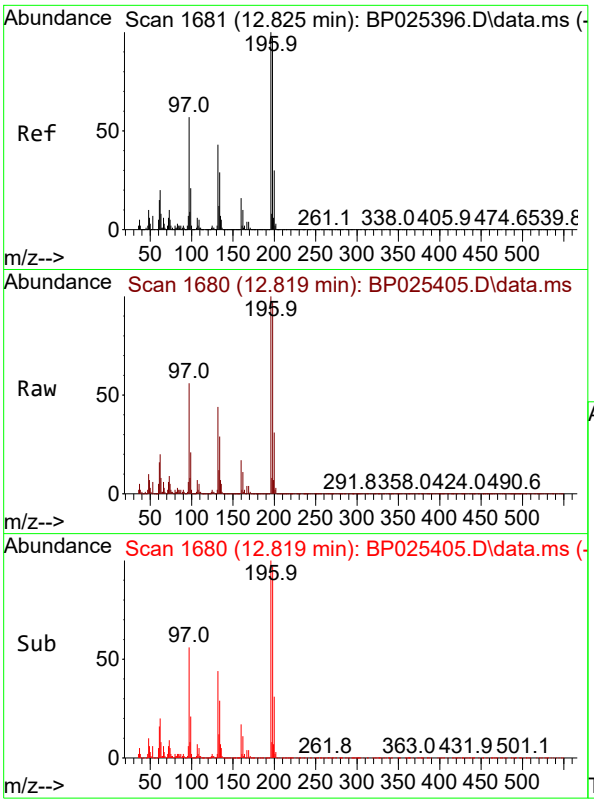


#42
2,4,6-Tribromophenol
Concen: 82.139 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:330 Resp: 384325

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	33.8	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 41.069 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:196 Resp: 27835

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.2	115.8
200	30.8	23.9	35.9

Instrument :
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ClientSampleId :
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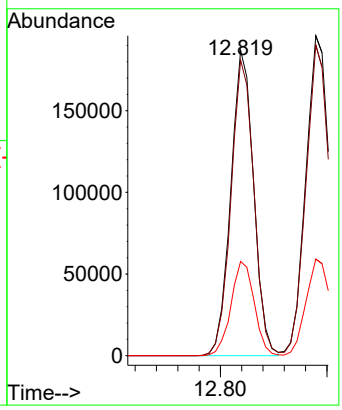
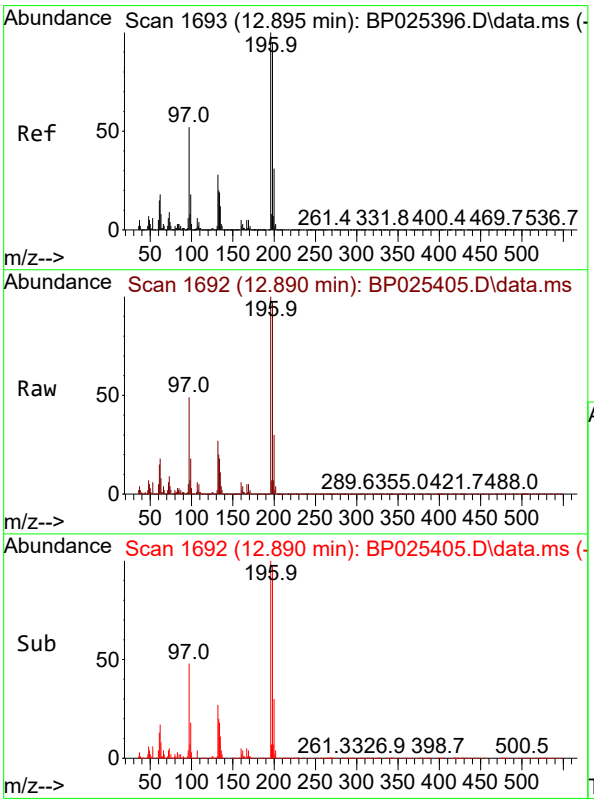
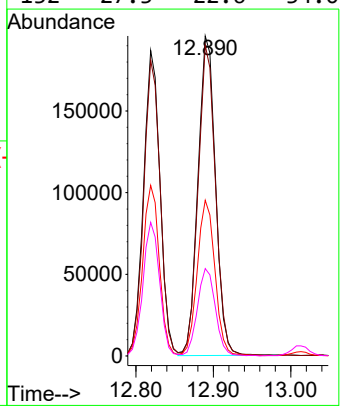


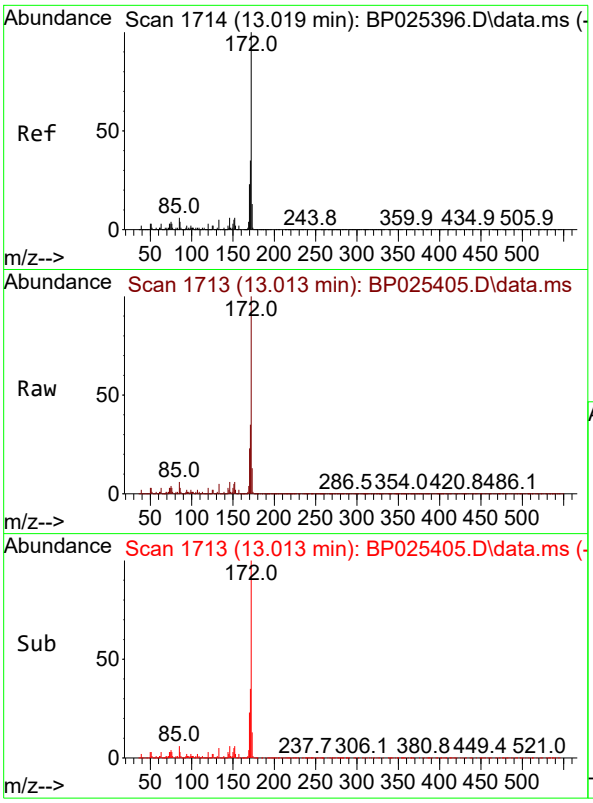


#44
2,4,5-Trichlorophenol
Concen: 41.457 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:196 Resp: 307958

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.2	114.2
97	48.7	41.2	61.8
132	27.3	22.6	34.0

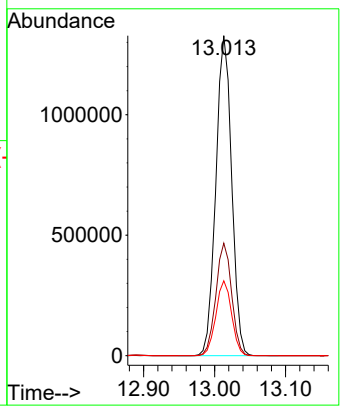




#45
2-Fluorobiphenyl
Concen: 80.382 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:172 Resp: 204452

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0



Instrument :
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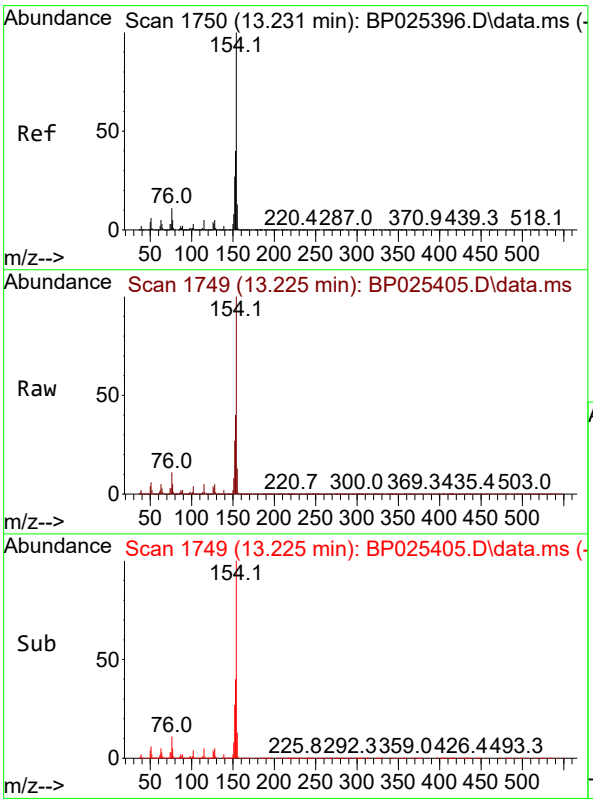
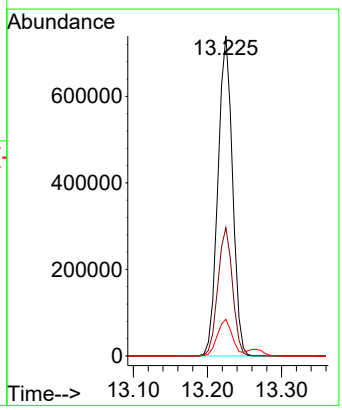
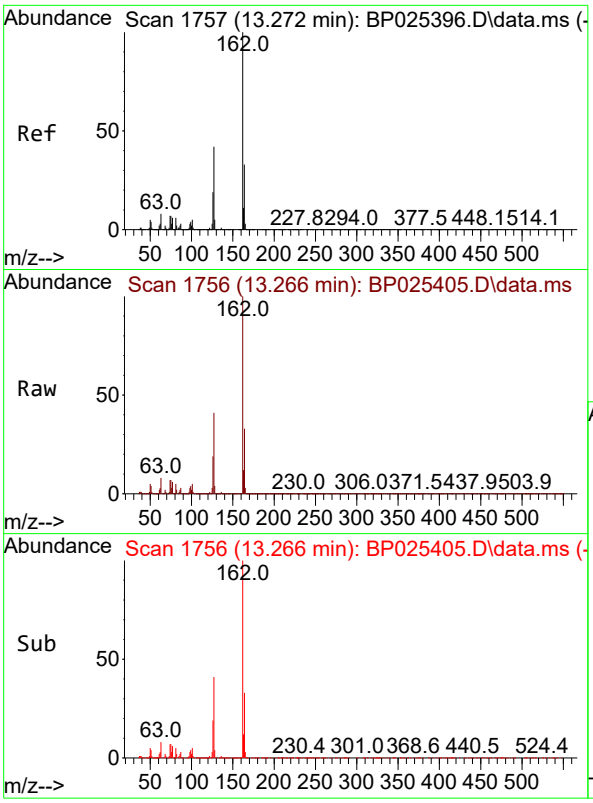


#46
1,1'-Biphenyl
Concen: 39.933 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:154 Resp: 1008154

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.5	59.5
76	11.4	0.0	31.1

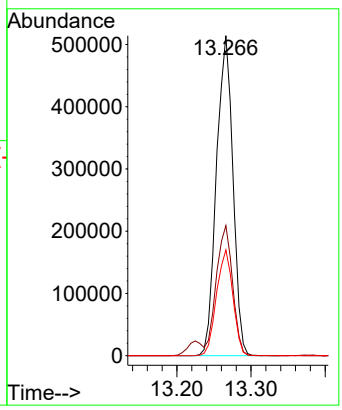




#47
2-Chloronaphthalene
Concen: 40.309 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:162 Resp: 79221

Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.2
164	33.0	26.2	39.2



Instrument :
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ClientSampleId :
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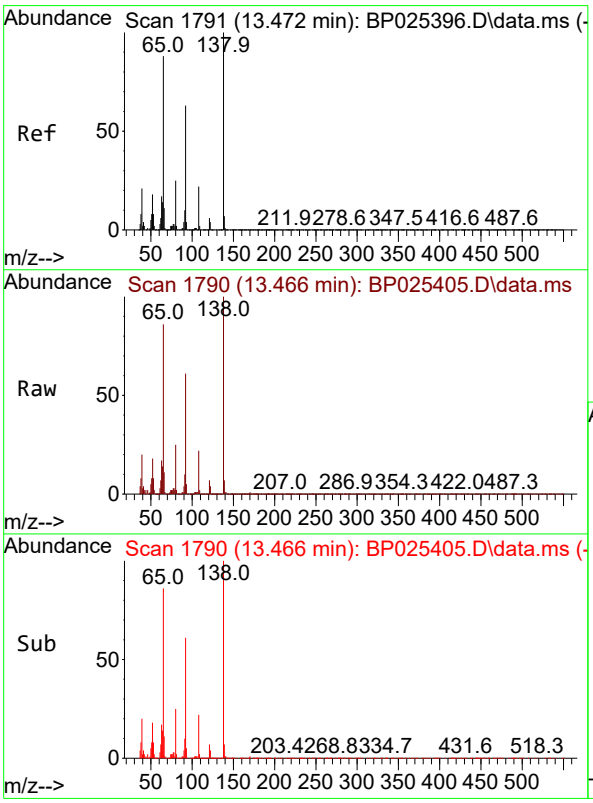
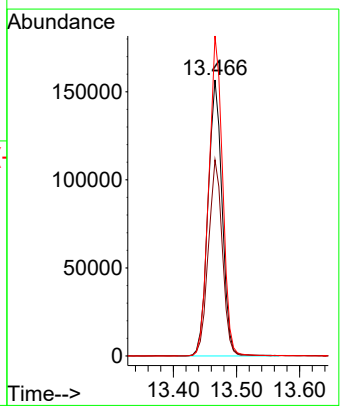
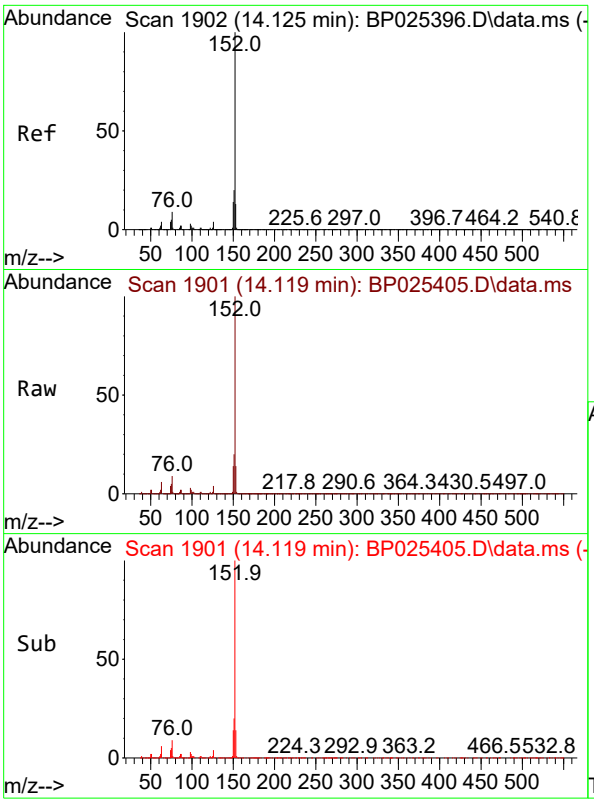


#48
2-Nitroaniline
Concen: 42.321 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 65 Resp: 242354

Ion	Ratio	Lower	Upper
65	100		
92	71.0	57.6	86.4
138	115.9	91.0	136.6

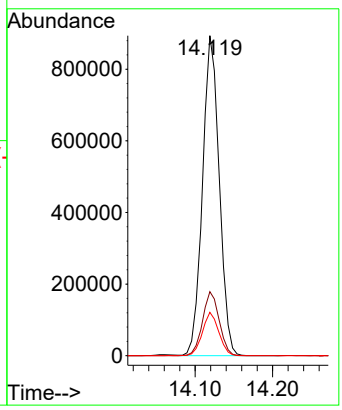




#49
Acenaphthylene
Concen: 41.180 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:152 Resp: 133924

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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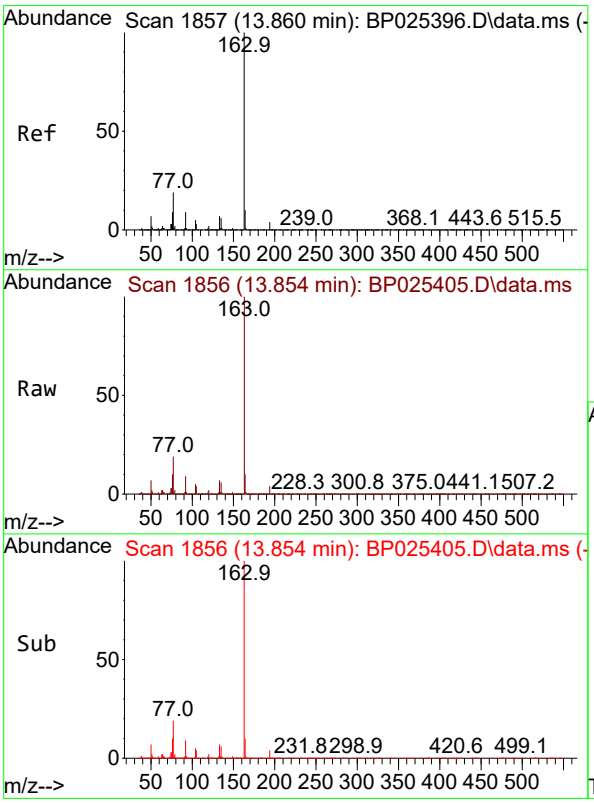
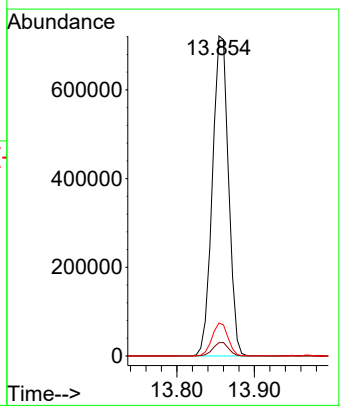
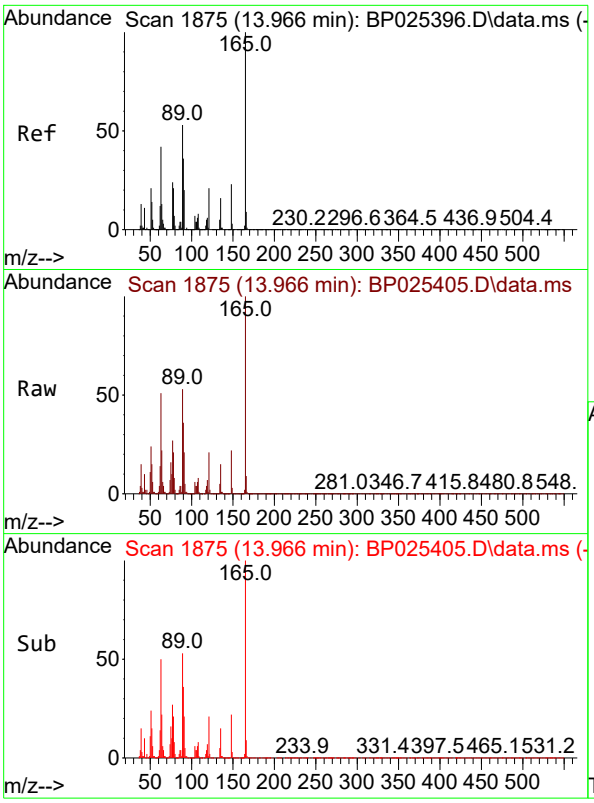


#50
Dimethylphthalate
Concen: 40.894 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:163 Resp: 1040970

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 41.884 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:165 Resp: 22471

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.9	61.3
89	52.8	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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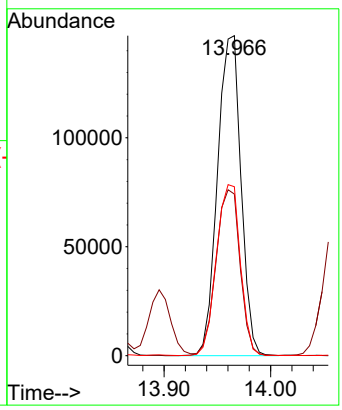
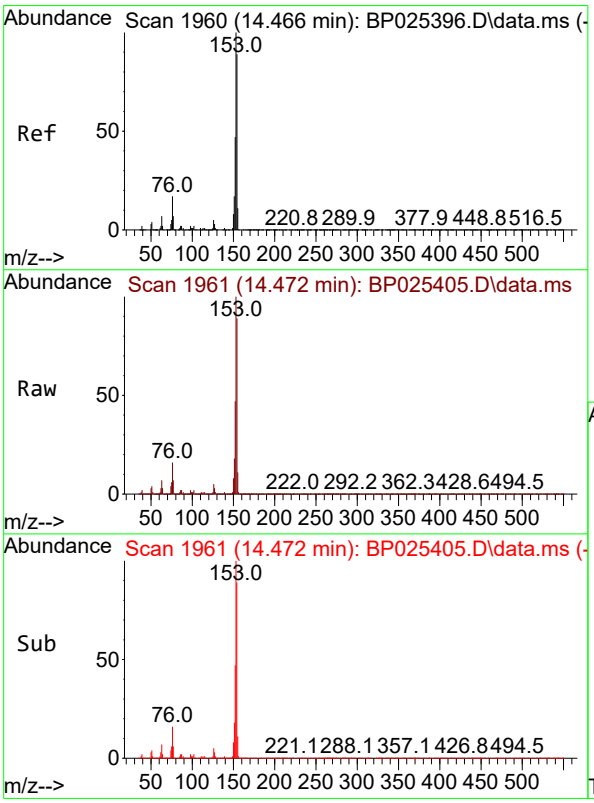
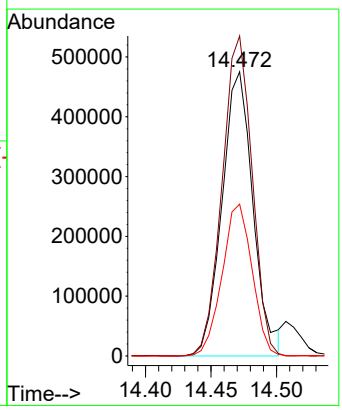


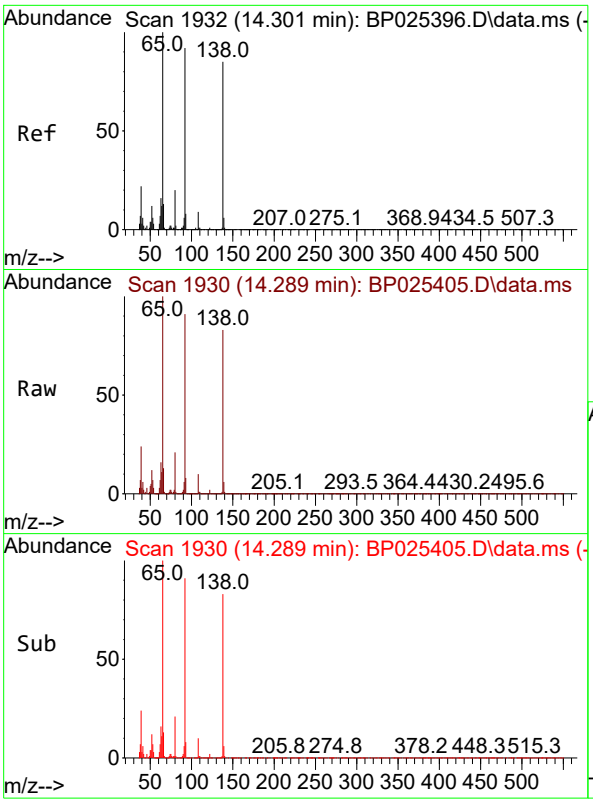


#52
Acenaphthene
Concen: 40.956 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:154 Resp: 781821

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.2
152	53.5	42.1	63.1

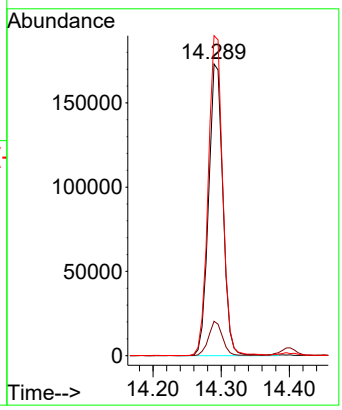




#53
3-Nitroaniline
Concen: 41.978 ng
RT: 14.289 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:138 Resp: 25340

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.3	12.5
92	109.7	86.2	129.2



Instrument :
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ClientSampleId :
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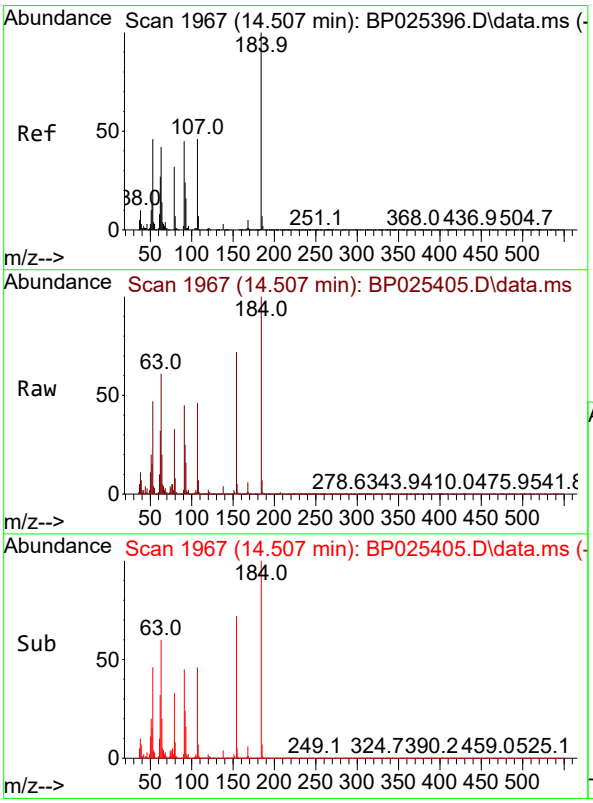
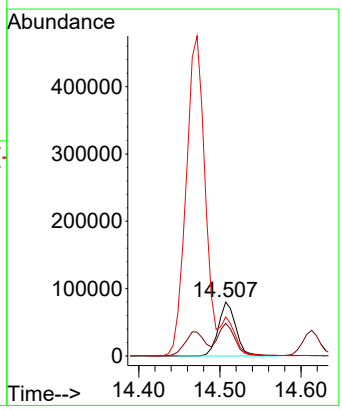
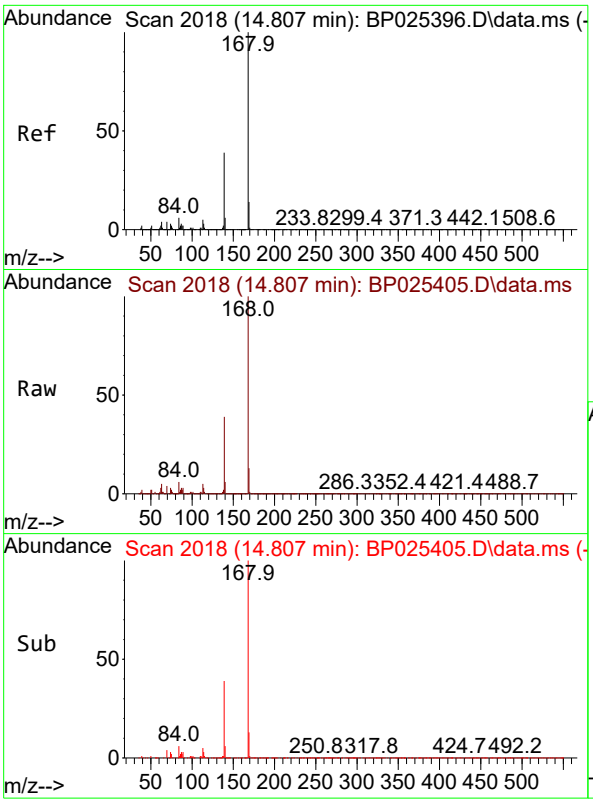


#54
2,4-Dinitrophenol
Concen: 41.836 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:184 Resp: 119870

Ion	Ratio	Lower	Upper
184	100		
63	60.6	49.4	74.2
154	72.3	54.6	82.0

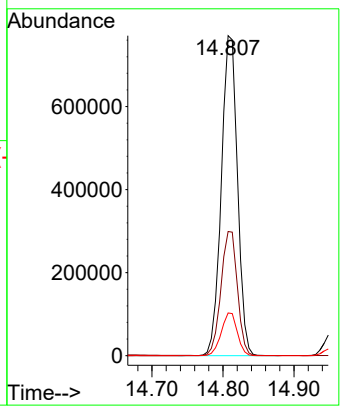




#55
Dibenzofuran
Concen: 40.222 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:168 Resp: 121391

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.5	47.3
169	13.4	10.9	16.3



Instrument :
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ClientSampleId :
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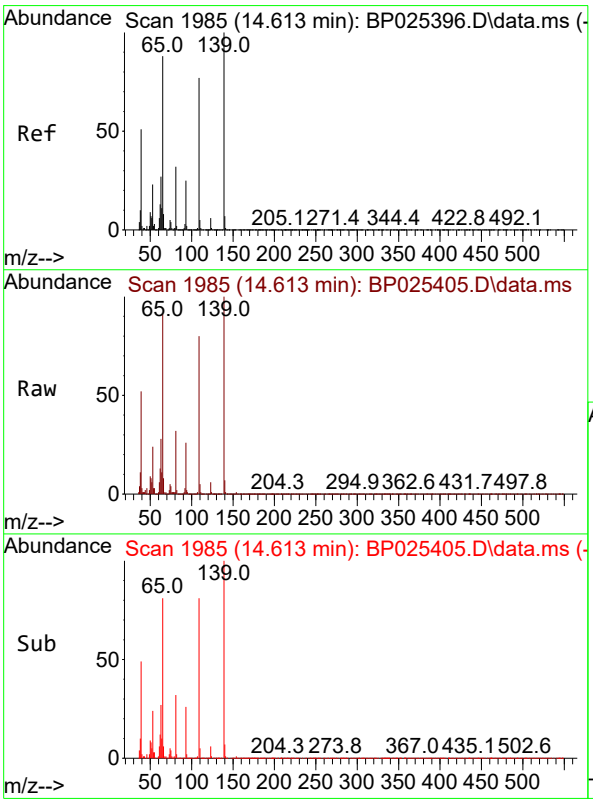
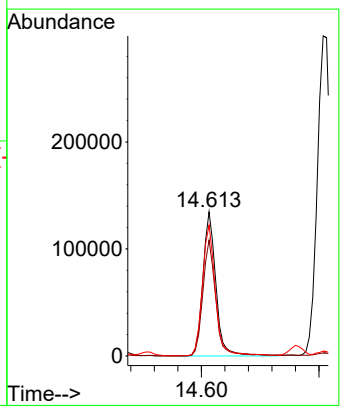
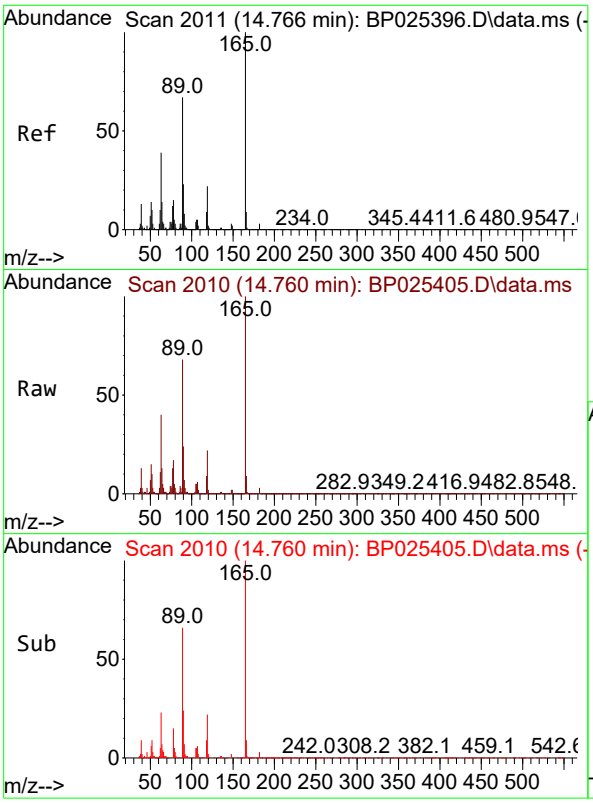


#56
4-Nitrophenol
Concen: 41.615 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:139 Resp: 206425

Ion	Ratio	Lower	Upper
139	100		
109	80.4	56.6	96.6
65	90.8	68.2	108.2

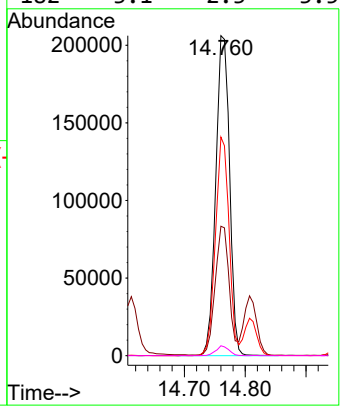




#57
2,4-Dinitrotoluene
Concen: 42.379 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:165 Resp: 32441

Ion	Ratio	Lower	Upper
165	100		
63	40.4	31.4	47.2
89	68.3	53.3	79.9
182	3.1	2.3	3.5



Instrument :
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ClientSampleId :
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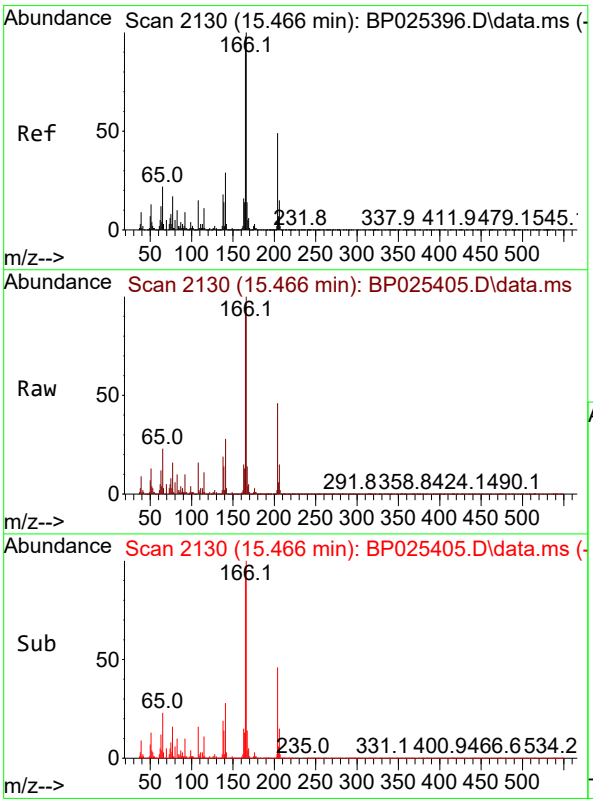
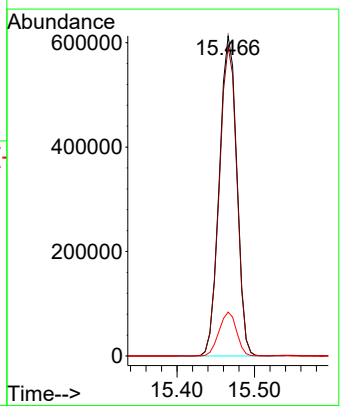
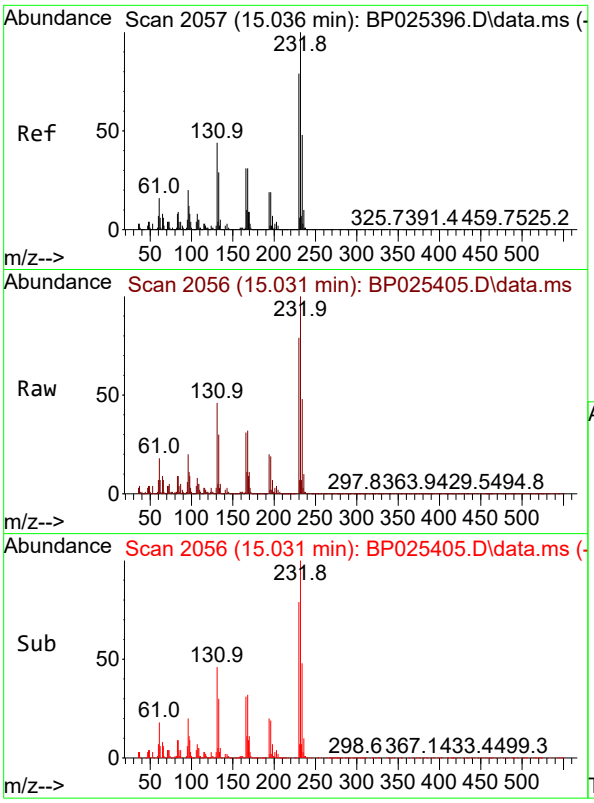


#58
Fluorene
Concen: 40.486 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:166 Resp: 964155

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	13.7	11.0	16.4

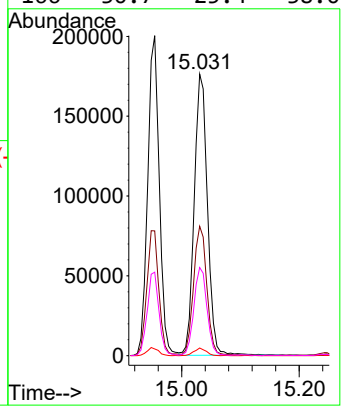




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.876 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:232 Resp: 27466

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.0	55.6
130	2.5	1.9	2.9
166	30.7	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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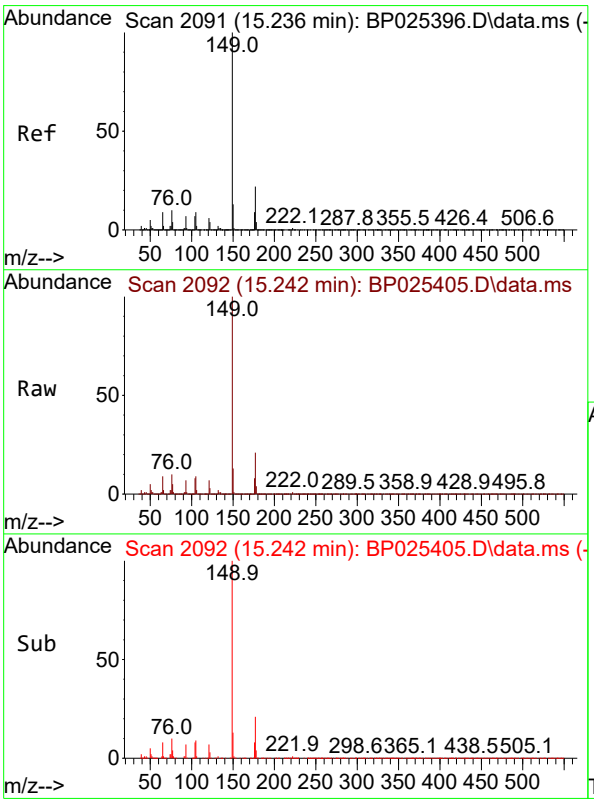
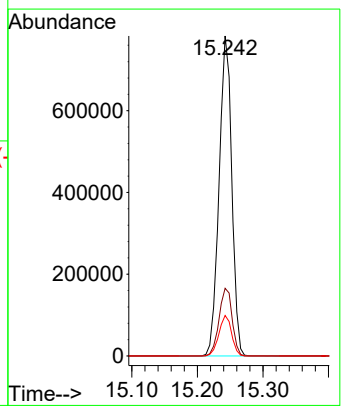
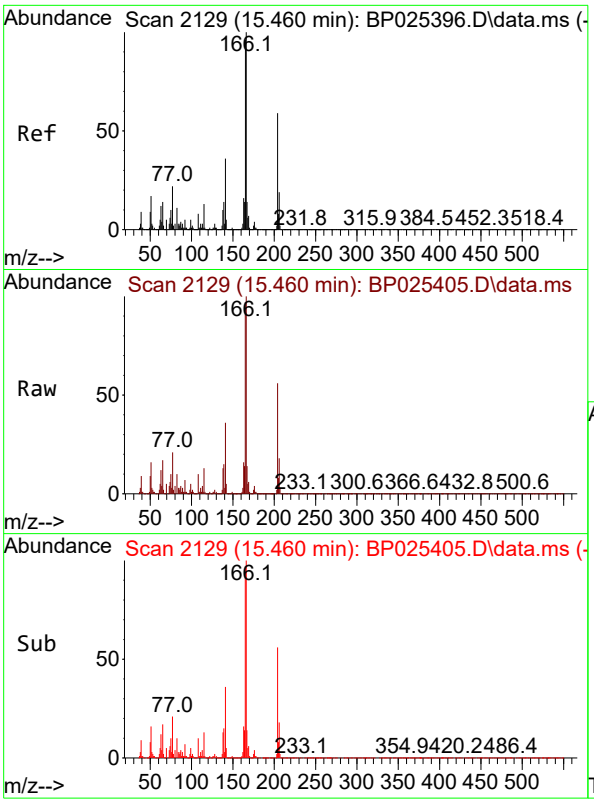


#60
Diethylphthalate
Concen: 40.483 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1047107

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.3	25.9
150	12.7	10.3	15.5

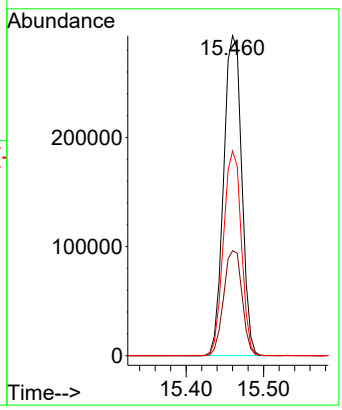




#61
4-Chlorophenyl-phenylether
Concen: 40.215 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:204 Resp: 476298

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	64.0	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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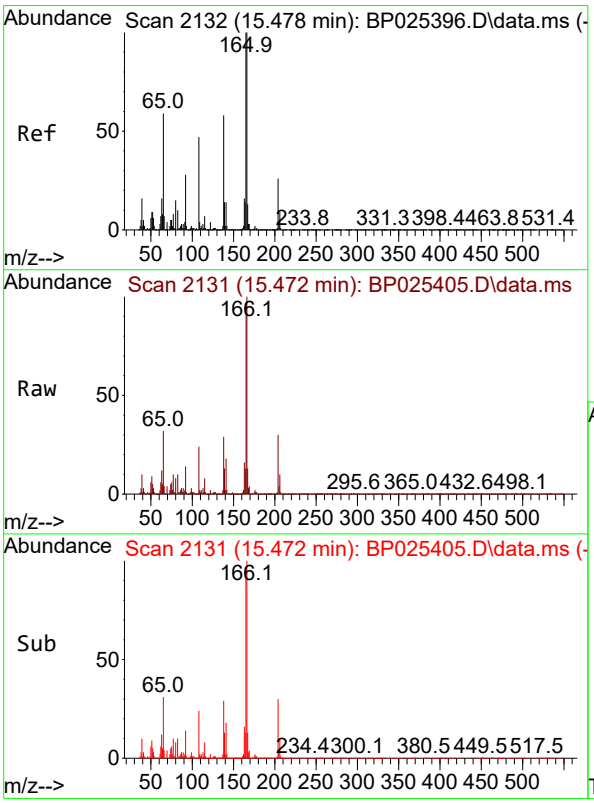
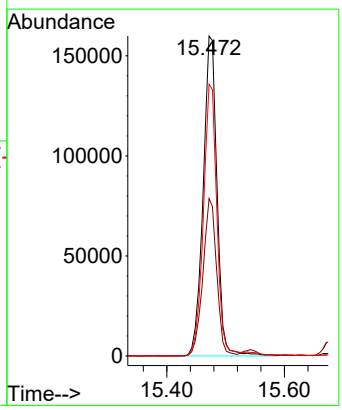
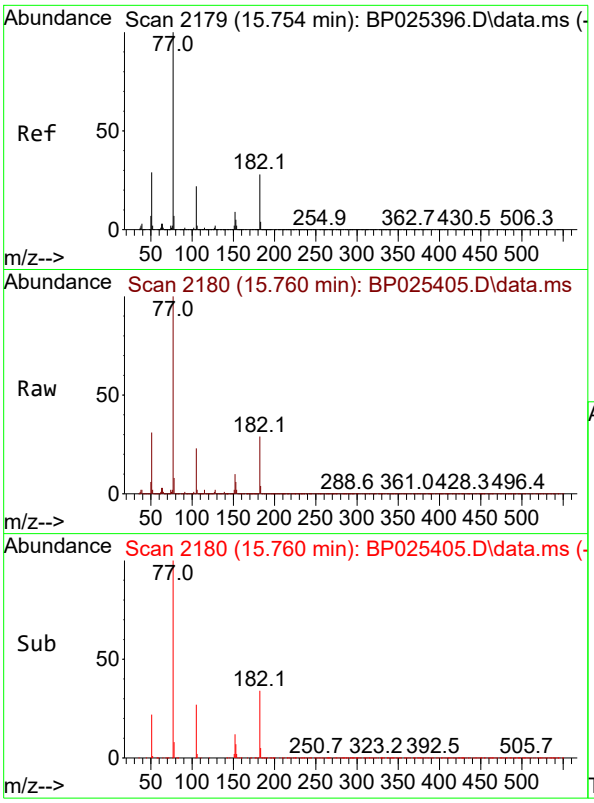


#62
4-Nitroaniline
Concen: 42.276 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:138 Resp: 261619

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	84.9	61.5	101.5

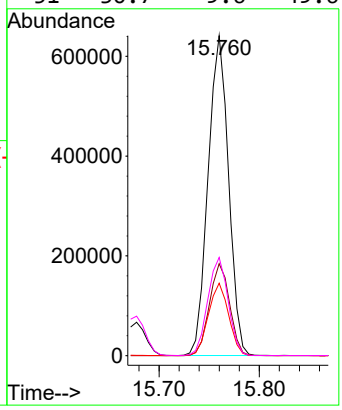




#63
Azobenzene
Concen: 41.097 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 77 Resp: 91019

Ion	Ratio	Lower	Upper
77	100		
182	28.7	7.5	47.5
105	22.7	2.1	42.1
51	30.7	9.6	49.6



Instrument :
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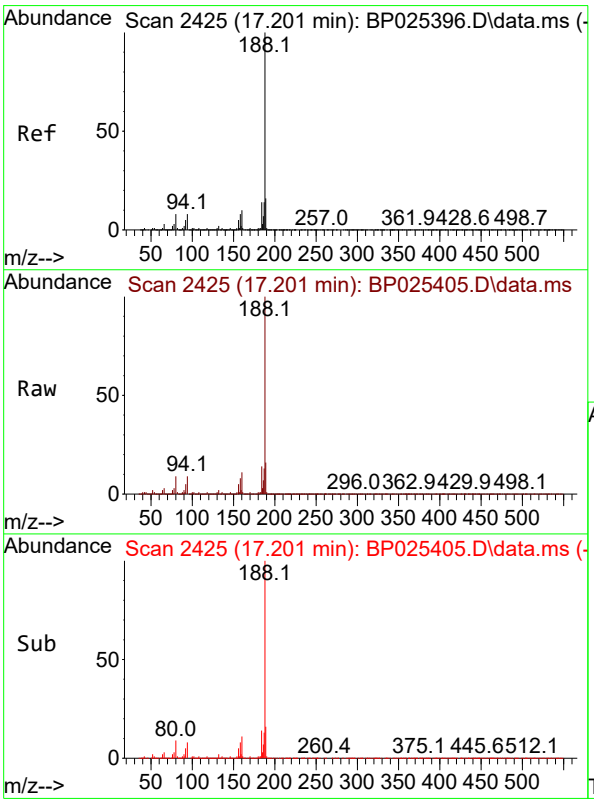
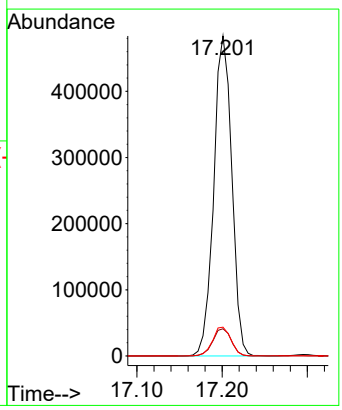
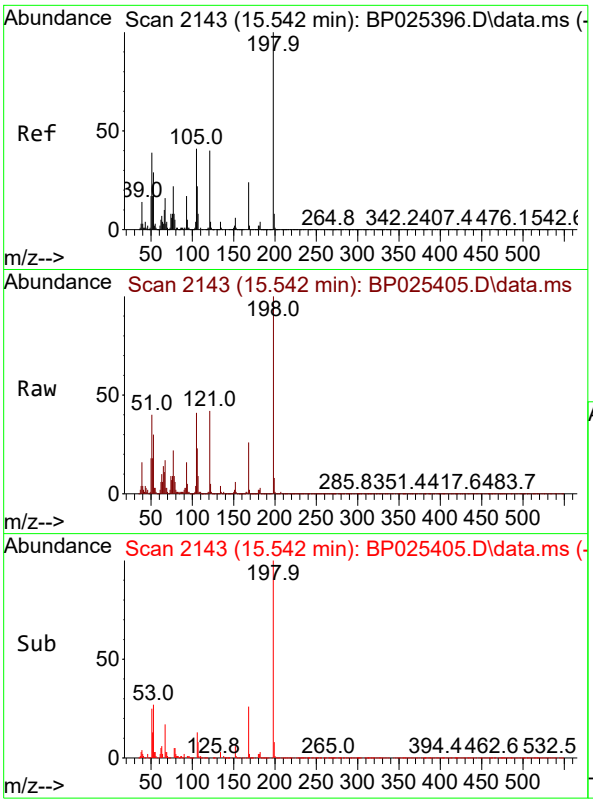


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:188 Resp: 711916

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.0	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 40.785 ng
RT: 15.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:198 Resp: 18099

Ion	Ratio	Lower	Upper
198	100		
51	40.1	19.6	59.6
105	41.3	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
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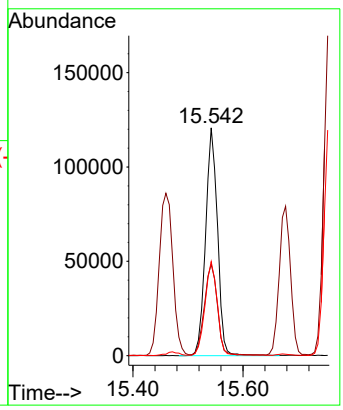
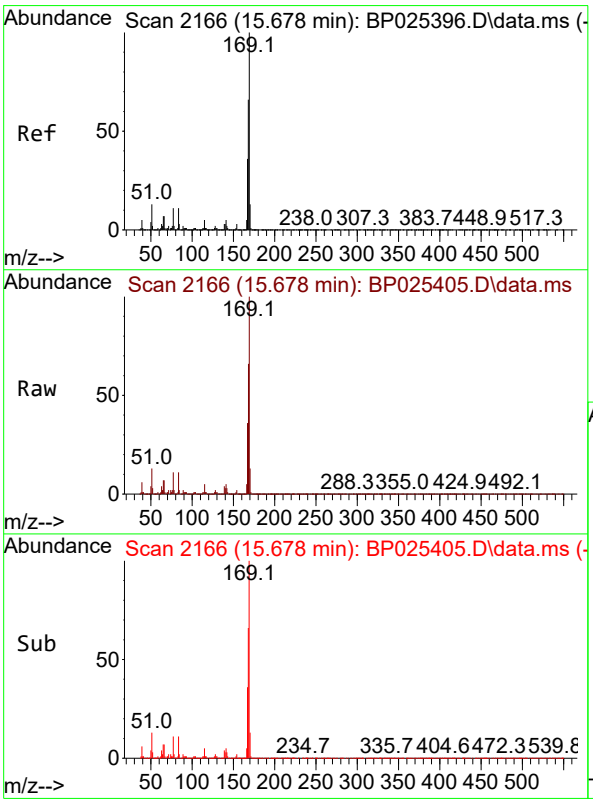
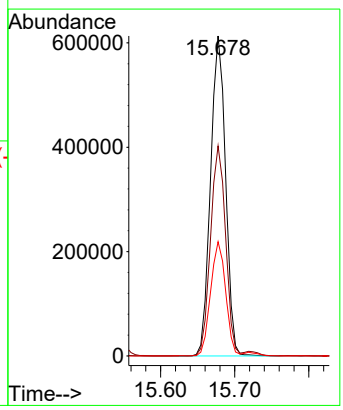


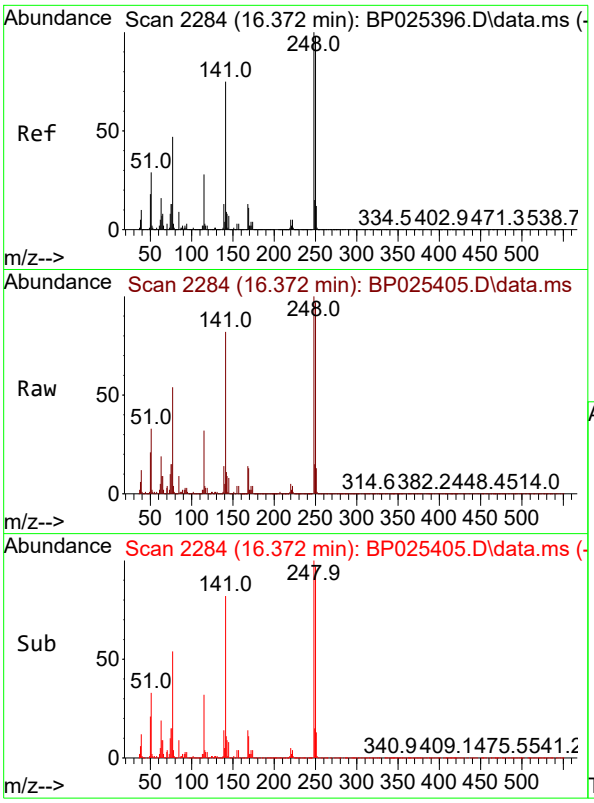


#66
n-Nitrosodiphenylamine
Concen: 39.818 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:169 Resp: 864418

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 39.718 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:248 Resp: 31098

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.2	117.2
141	82.1	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
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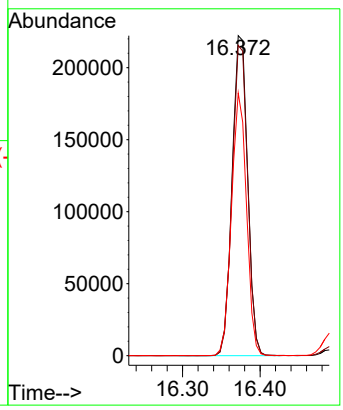
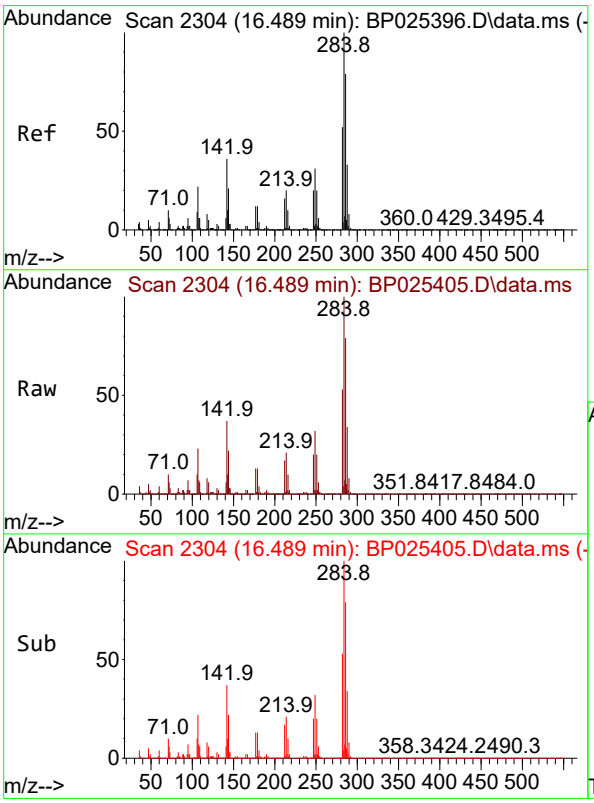
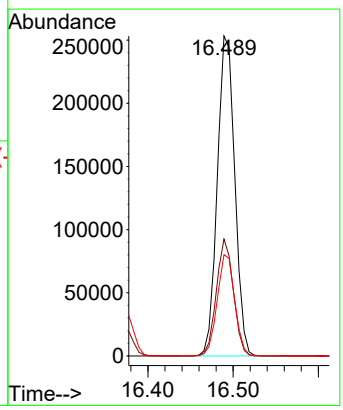


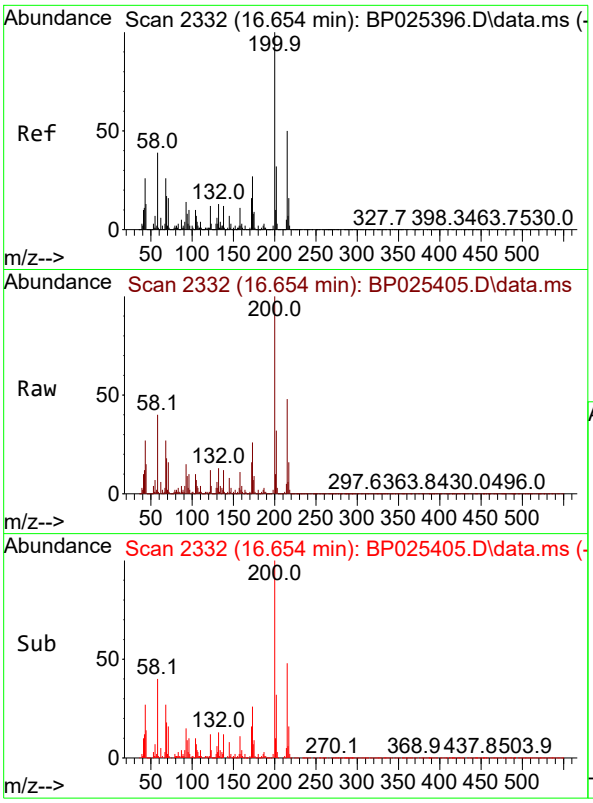


#68
Hexachlorobenzene
Concen: 39.777 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:284 Resp: 361031

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.1	43.7
249	31.7	25.0	37.4

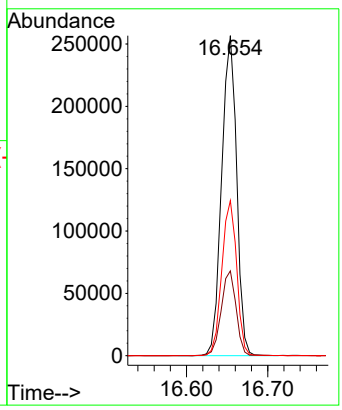




#69
Atrazine
Concen: 40.573 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:200 Resp: 32986

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	48.5	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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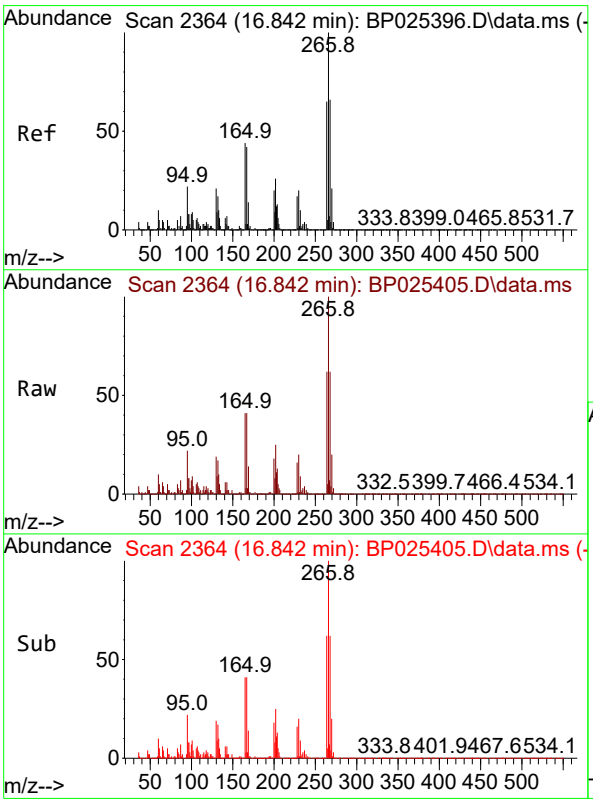
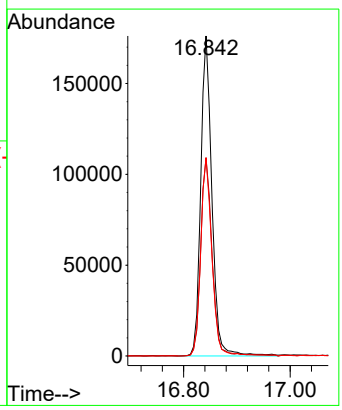
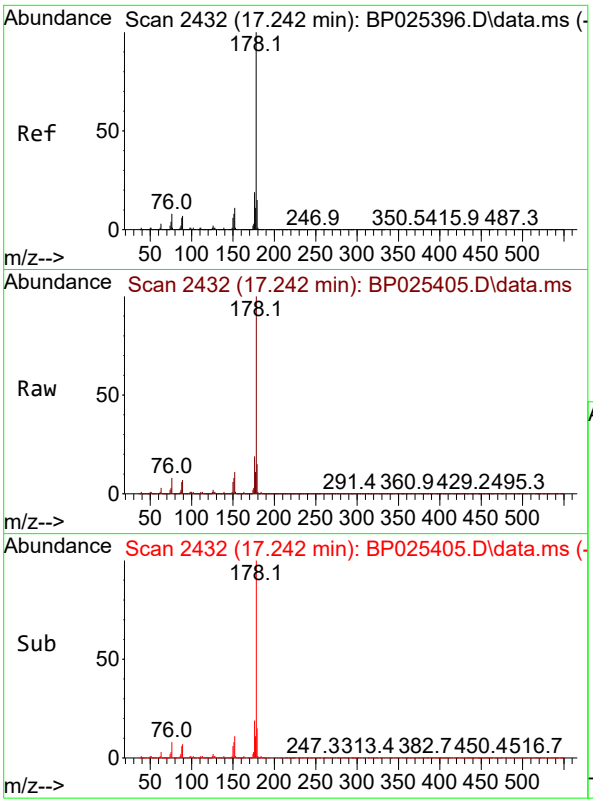


#70
Pentachlorophenol
Concen: 44.716 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:266 Resp: 256195

Ion	Ratio	Lower	Upper
266	100		
268	61.9	52.6	79.0
264	61.9	52.0	78.0

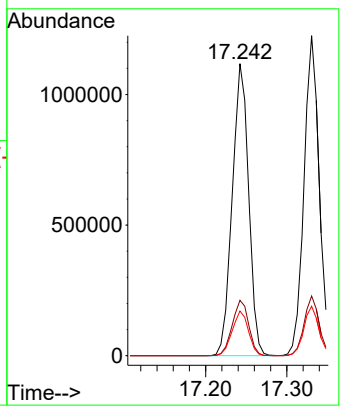




#71
Phenanthrene
Concen: 39.928 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:178 Resp: 156149

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4



Instrument :
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ClientSampleId :
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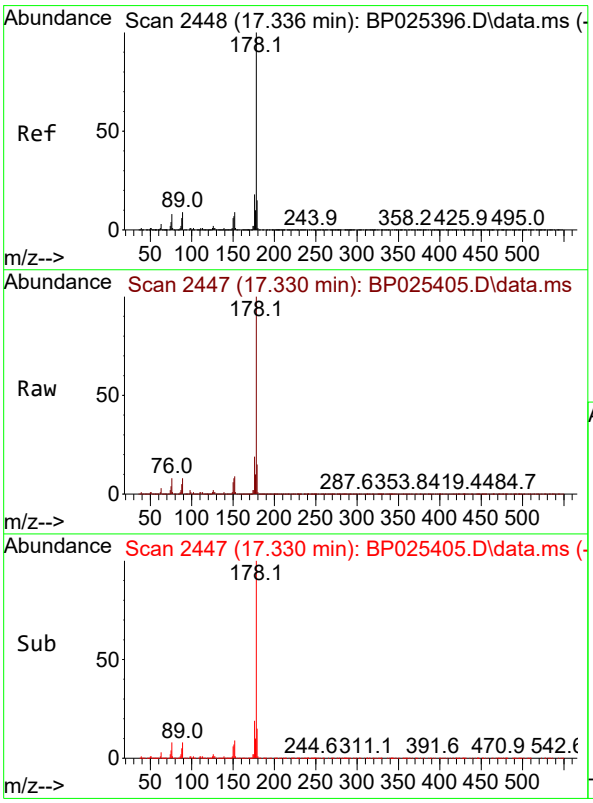
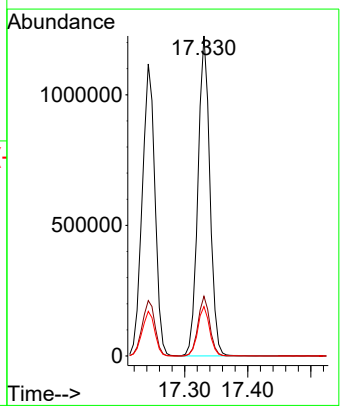
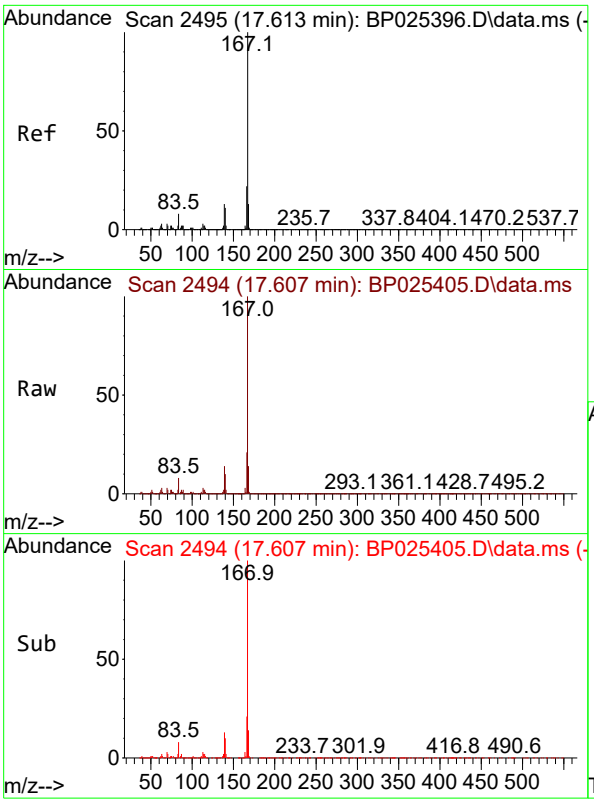


#72
Anthracene
Concen: 40.073 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:178 Resp: 1600393

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.2	18.2

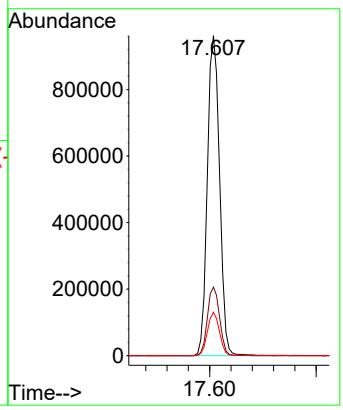




#73
Carbazole
Concen: 40.652 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:167 Resp: 152919

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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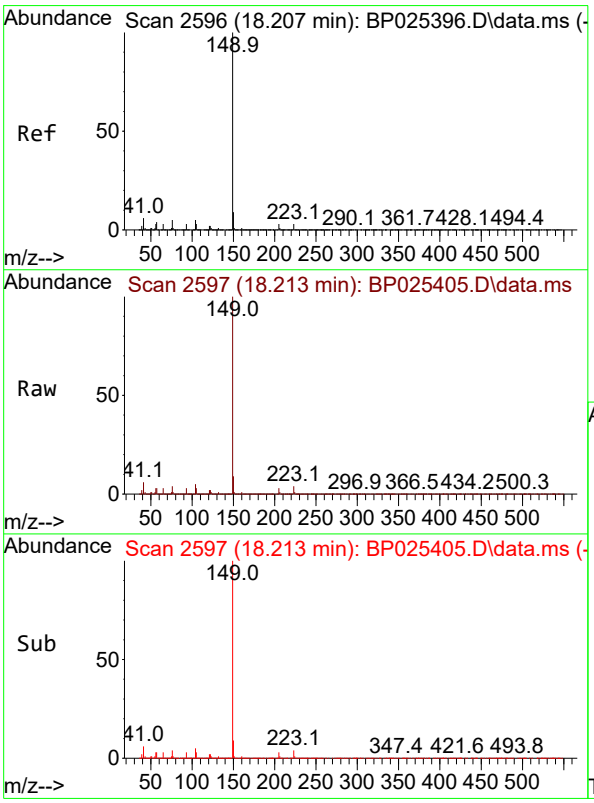
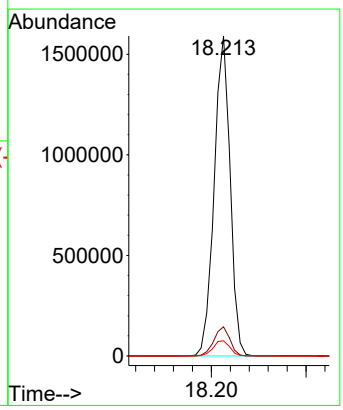
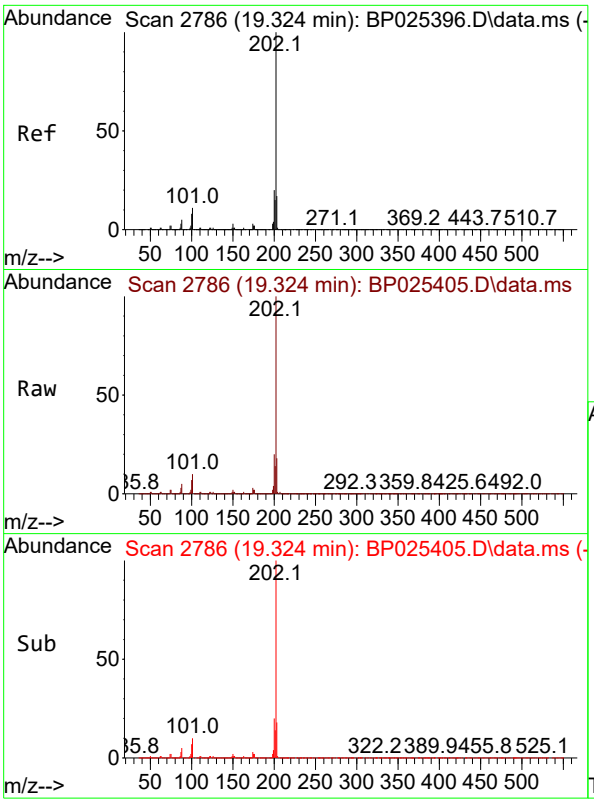


#74
Di-n-butylphthalate
Concen: 40.088 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1855338

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.8	4.2	6.2





#75
Fluoranthene
Concen: 40.295 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:202 Resp: 187970

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.6	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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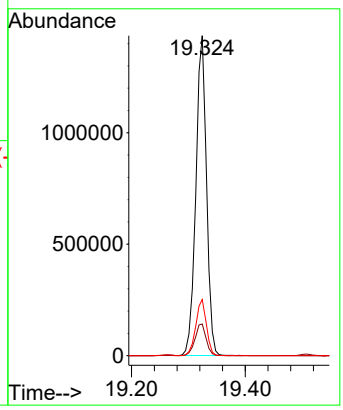
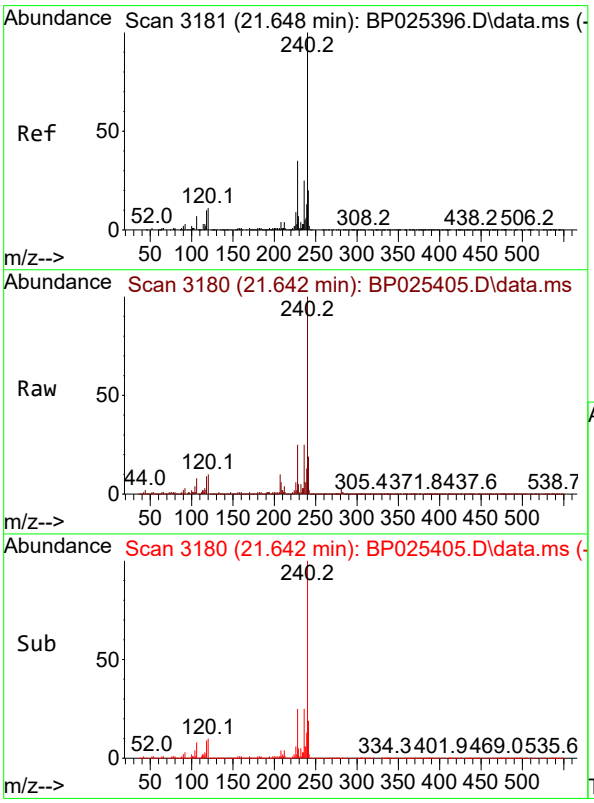
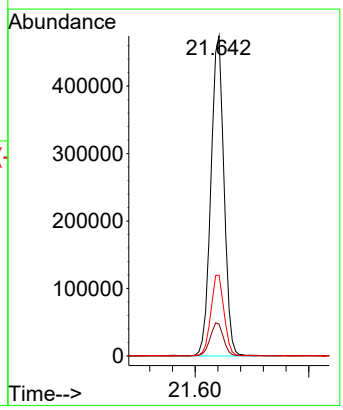


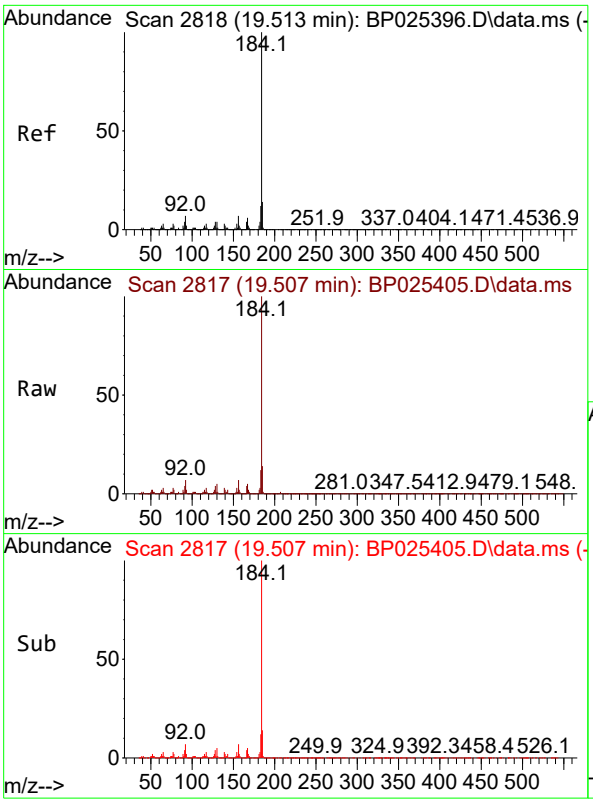


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:240 Resp: 755861

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.9	13.3
236	25.3	19.8	29.8

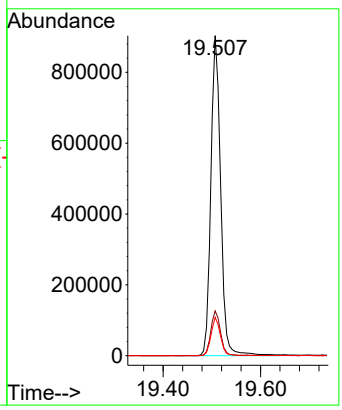




#77
Benzidine
Concen: 48.674 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:184 Resp: 125558

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.9	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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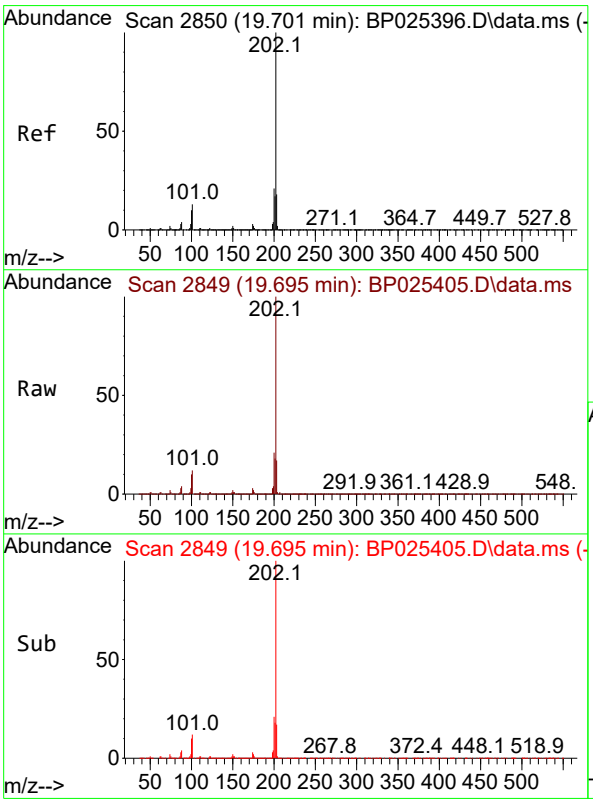
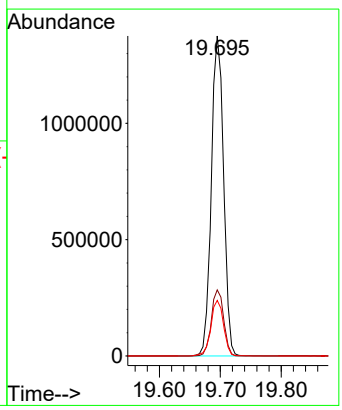
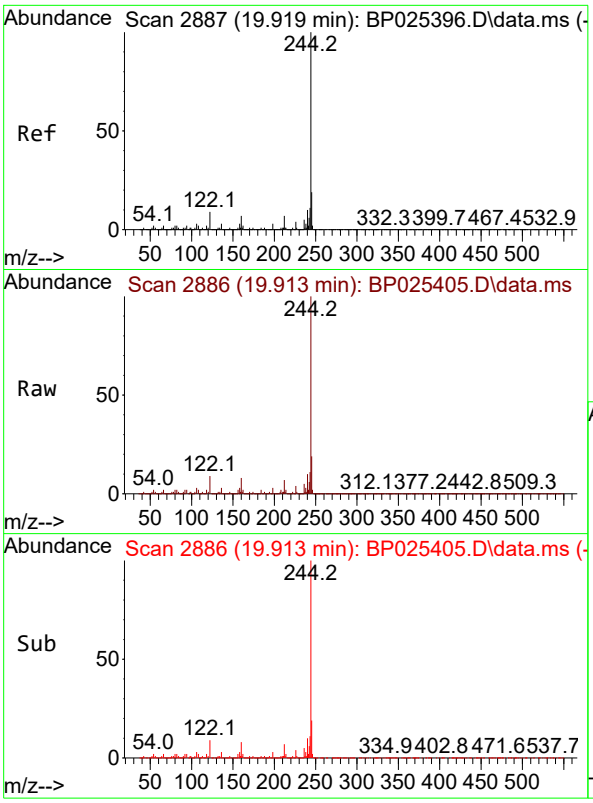


#78
Pyrene
Concen: 39.243 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:202 Resp: 1927979

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.4	14.2	21.2





#79
Terphenyl-d14
Concen: 78.141 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:244 Resp: 322827

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.2	7.4	11.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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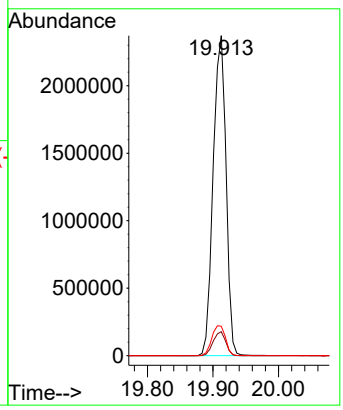
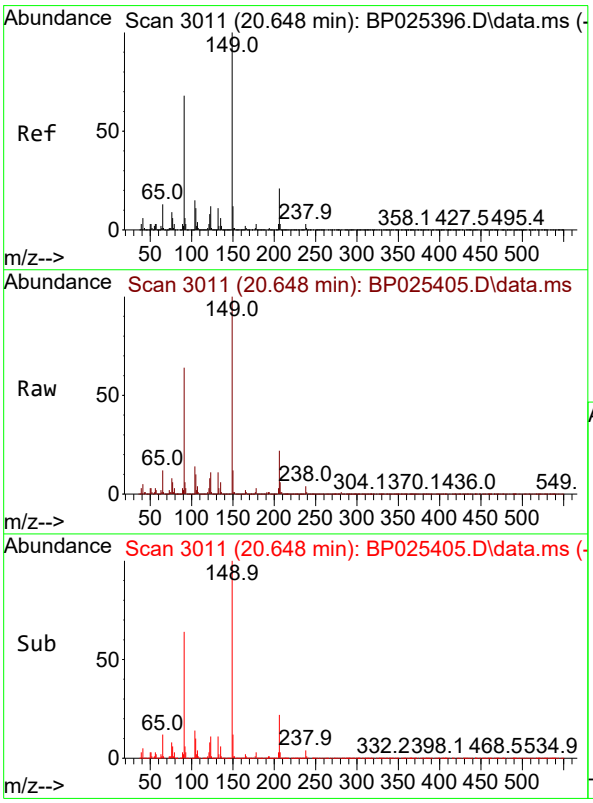
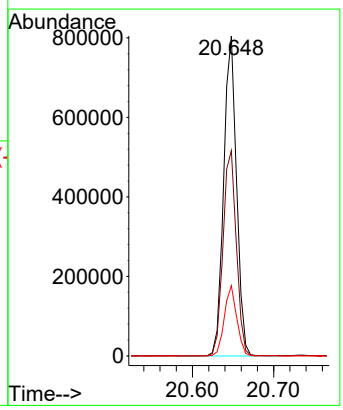


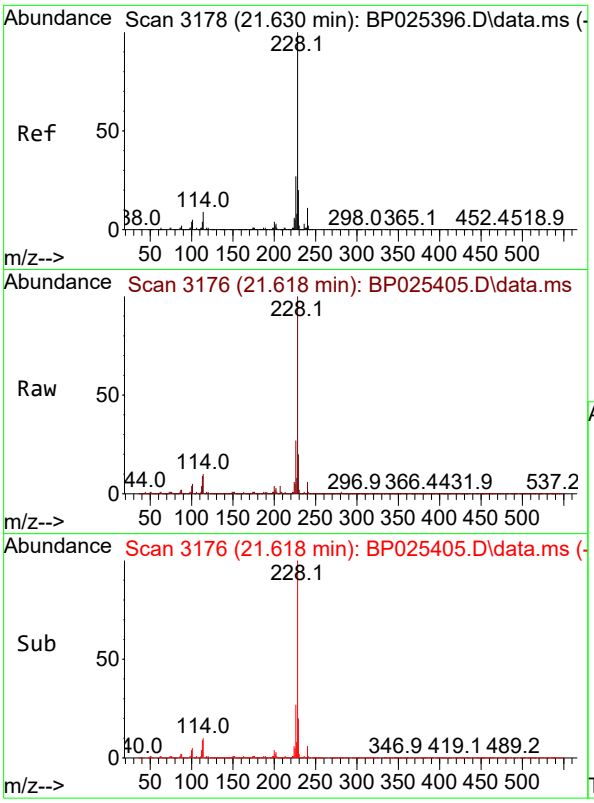


#80
Butylbenzylphthalate
Concen: 39.923 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 888903

Ion	Ratio	Lower	Upper
149	100		
91	64.1	54.2	81.2
206	22.0	16.6	24.8

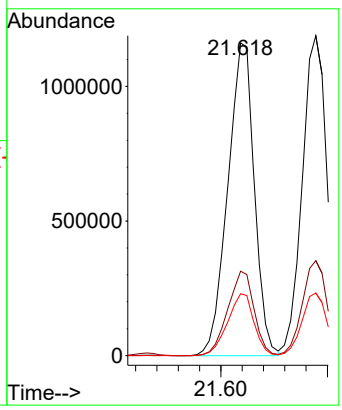




#81
Benzo(a)anthracene
Concen: 40.350 ng
RT: 21.618 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:228 Resp: 201142

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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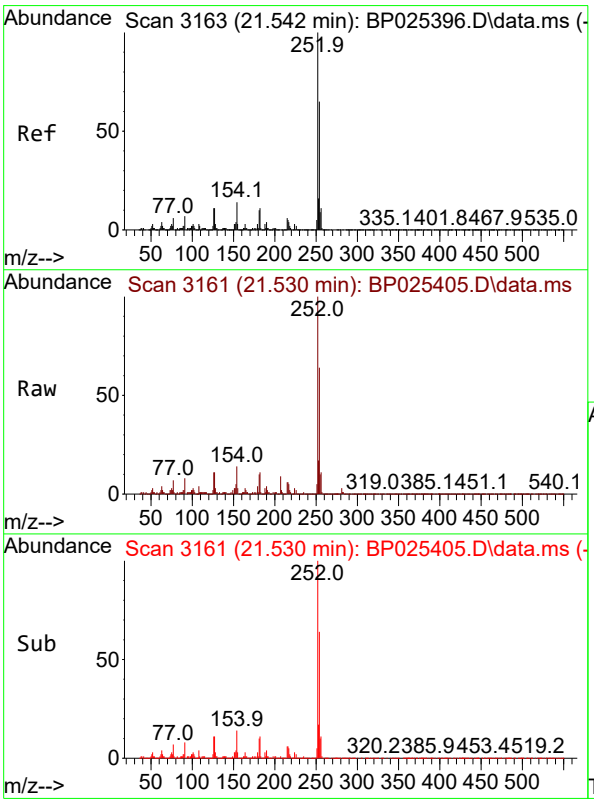
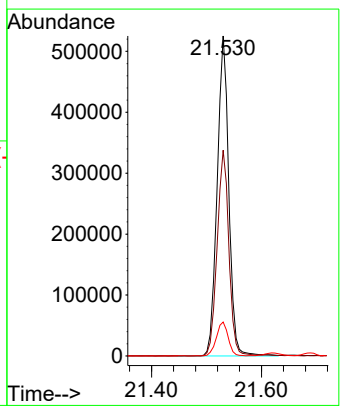
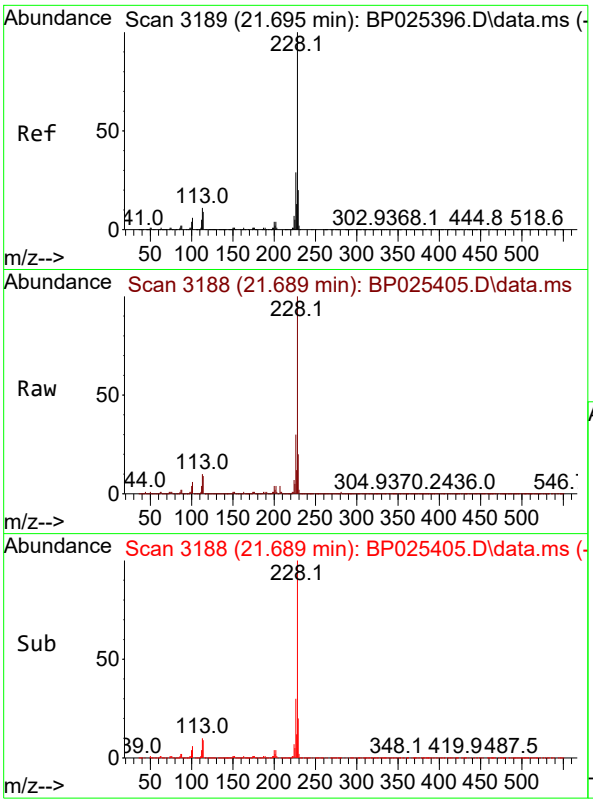


#82
3,3'-Dichlorobenzidine
Concen: 41.063 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 771557

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.8	77.6
126	10.6	9.1	13.7





#83
Chrysene
Concen: 40.587 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:228 Resp: 189476

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.6	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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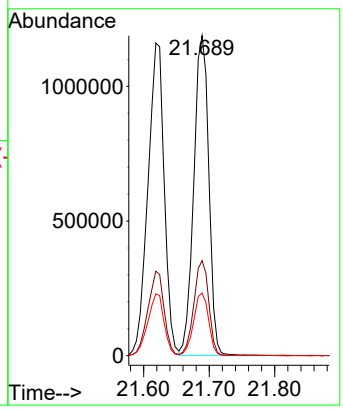
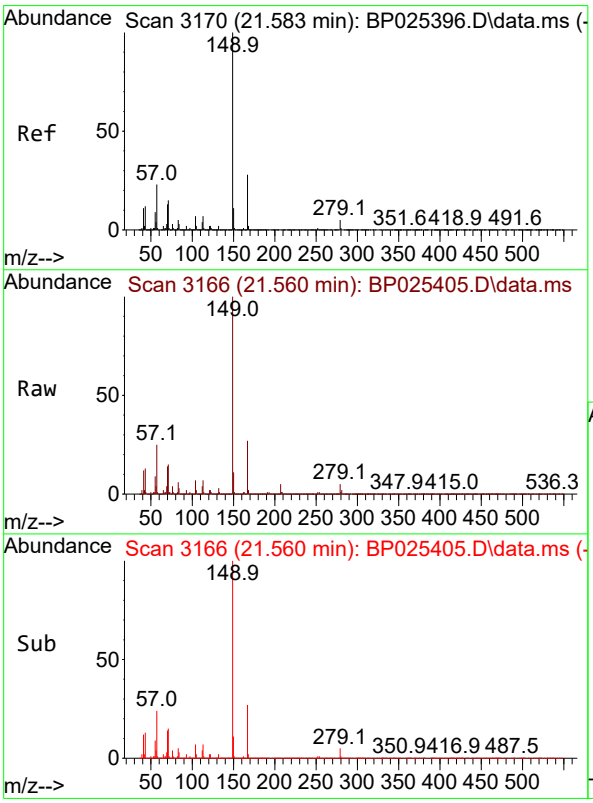
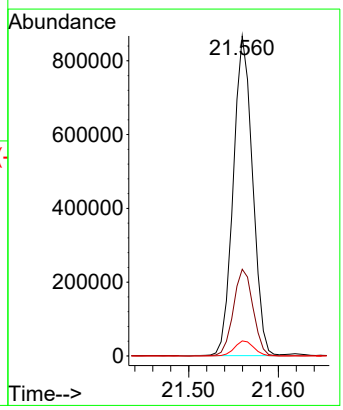


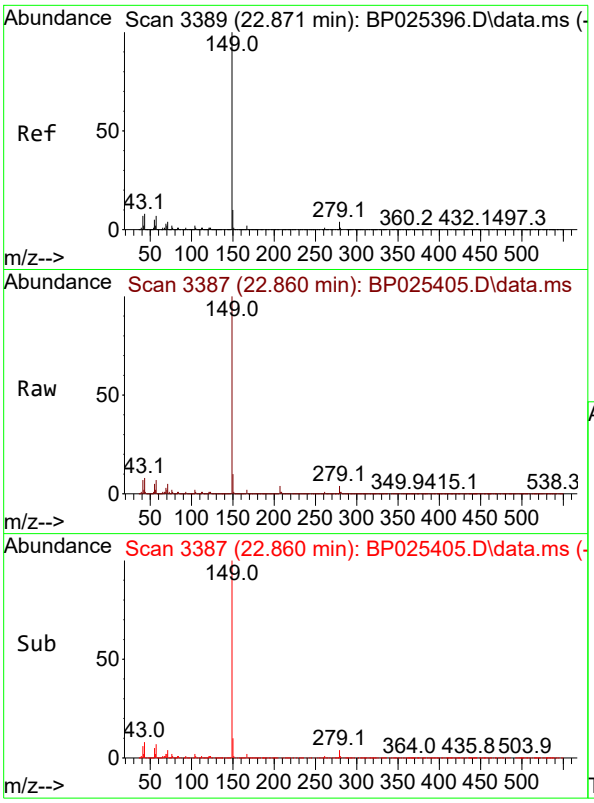


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.528 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1295582

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.1	33.1
279	4.7	3.8	5.6

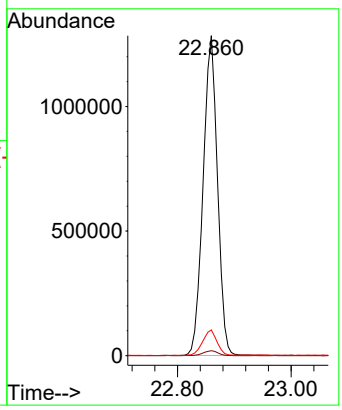




#85
Di-n-octyl phthalate
Concen: 39.799 ng
RT: 22.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 224373

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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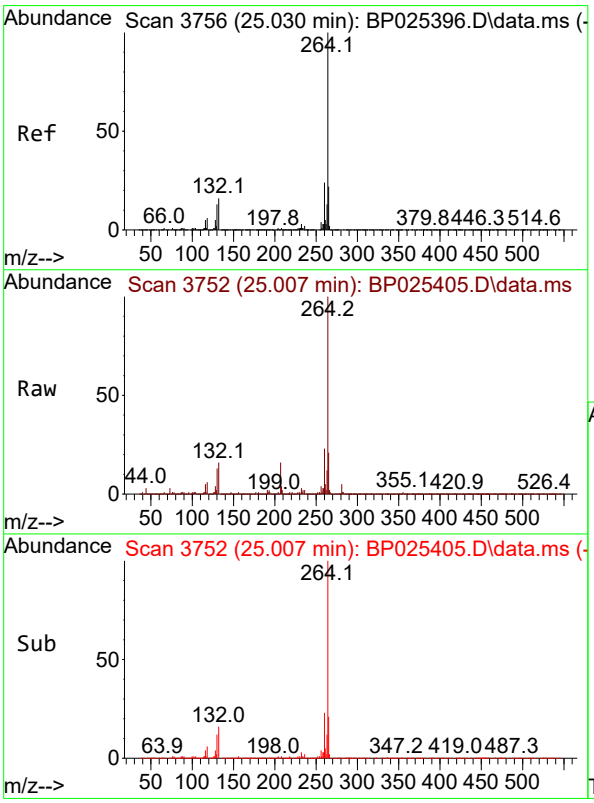
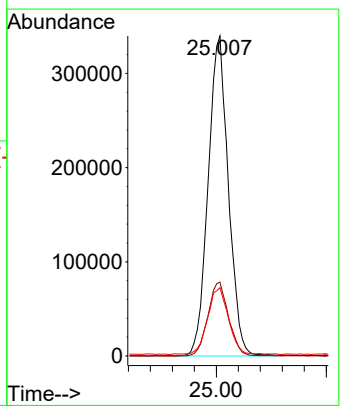
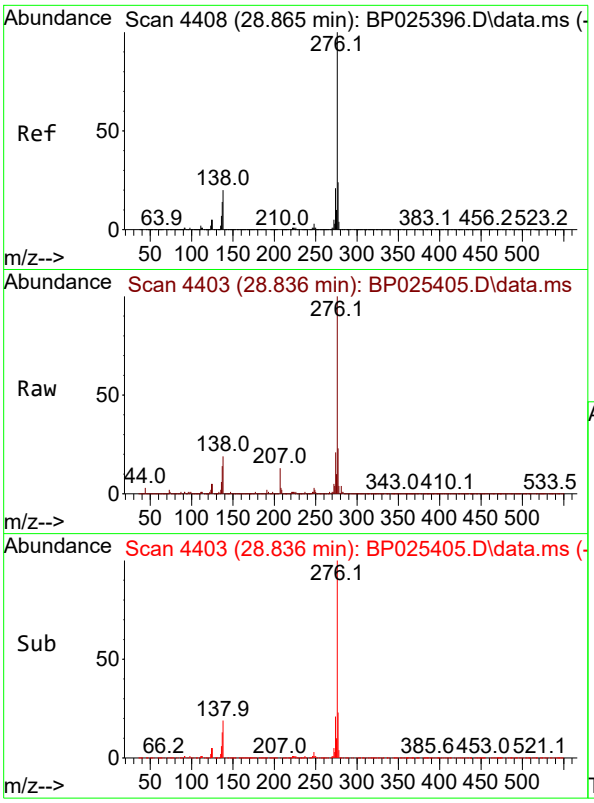


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:264 Resp: 870596

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	21.3	17.4	26.0

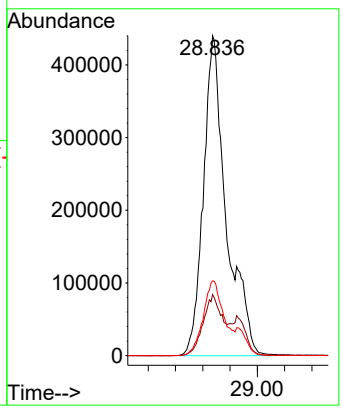




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.219 ng m
RT: 28.836 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:276 Resp: 256785

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.9	19.3
277	21.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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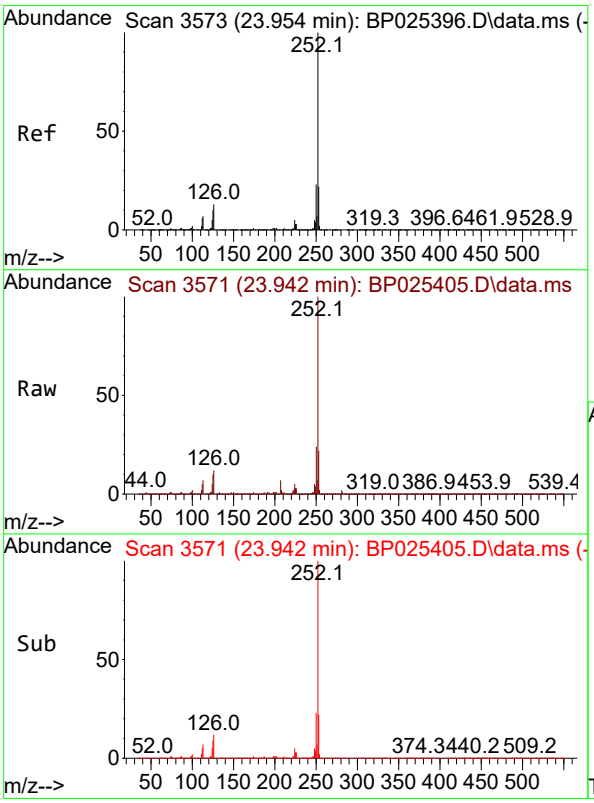
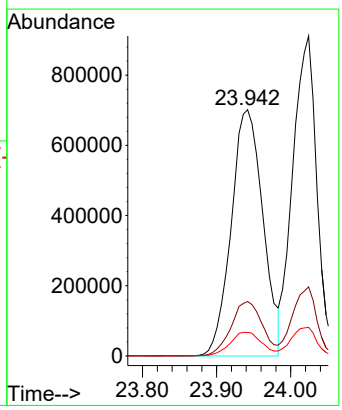
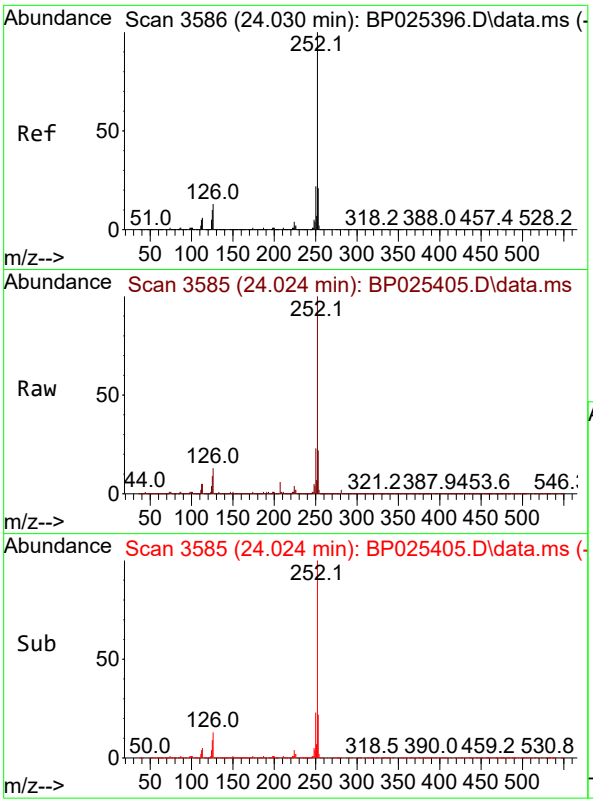


#88
Benzo(b)fluoranthene
Concen: 40.672 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 2087946

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.5	7.9	11.9

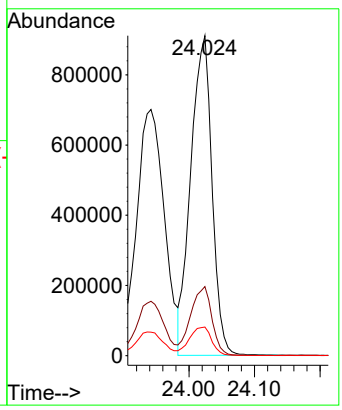




#89
Benzo(k)fluoranthene
Concen: 39.896 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 204952

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.0	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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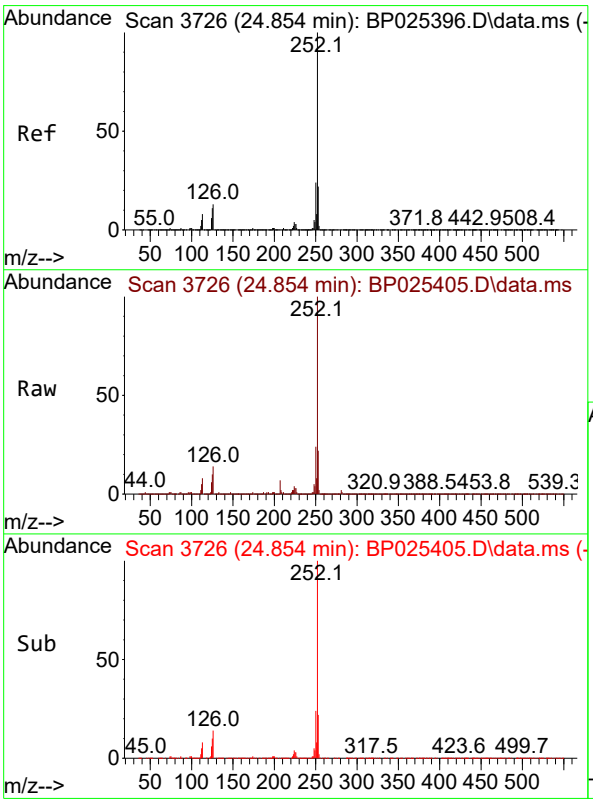
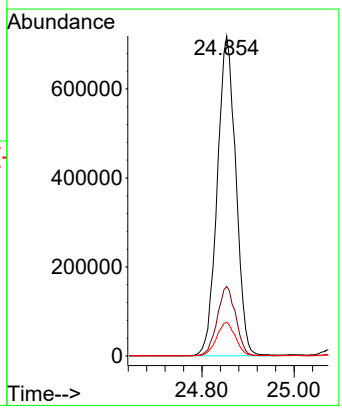
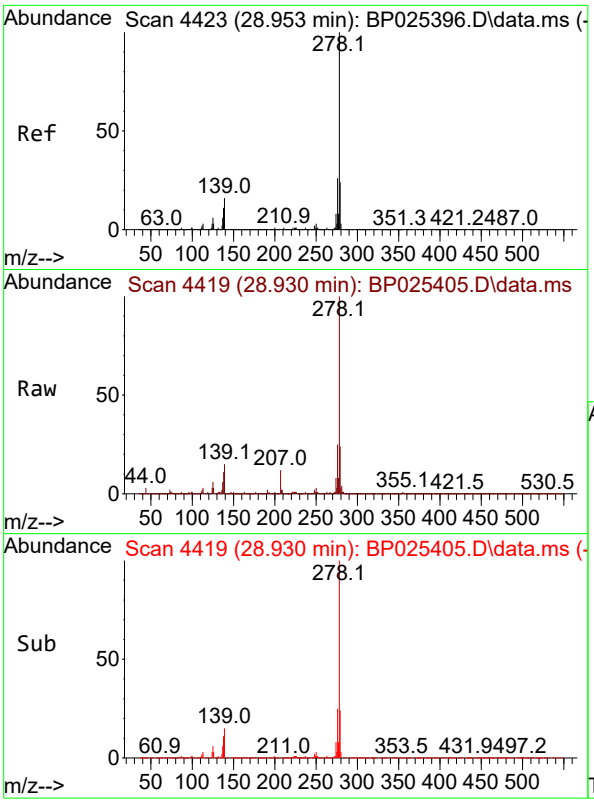


#90
Benzo(a)pyrene
Concen: 40.111 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 2004437

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.5	8.7	13.1

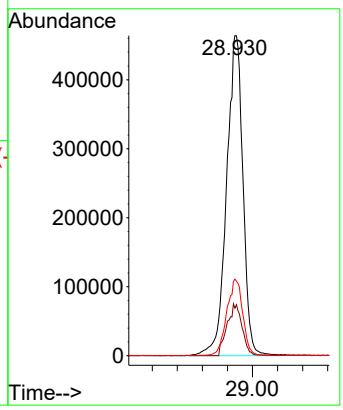




#91
Dibenzo(a,h)anthracene
Concen: 40.314 ng
RT: 28.930 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:278 Resp: 210339

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.0	19.4
279	23.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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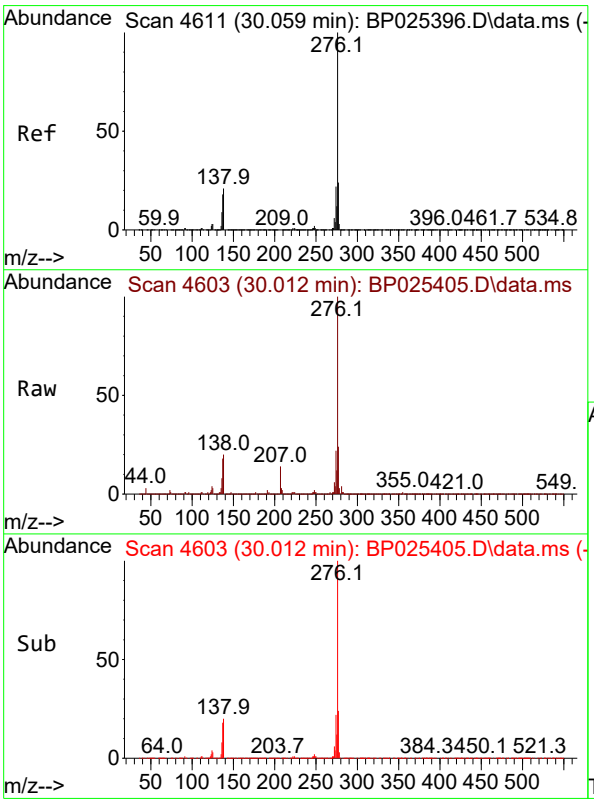
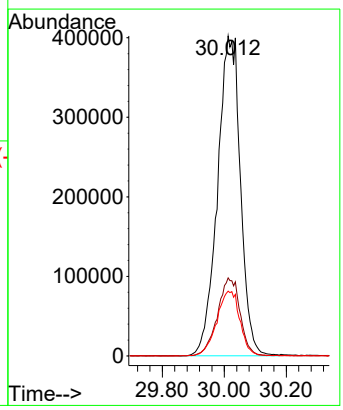


#92
Benzo(g,h,i)perylene
Concen: 40.212 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:276 Resp: 2062390

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	20.3	16.7	25.1



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Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
2		1,4-Dioxane	0.472	0.477	-1.1	85	0.00
3		Pyridine	1.291	1.288	0.2	84	0.00
4		n-Nitrosodimethylamine	0.532	0.547	-2.8	85	0.00
5	S	2-Fluorophenol	1.204	1.221	-1.4	84	0.00
6		Aniline	2.080	2.131	-2.5	84	0.00
7	S	Phenol-d6	1.544	1.575	-2.0	83	0.00
8		2-Chlorophenol	1.359	1.370	-0.8	83	0.00
9		Benzaldehyde	1.082	1.279	-18.2	75	0.00
10	C	Phenol	1.620	1.651	-1.9	84	0.00
11		bis(2-Chloroethyl)ether	1.263	1.264	-0.1	82	0.00
12		1,3-Dichlorobenzene	1.499	1.530	-2.1	84	0.00
13	C	1,4-Dichlorobenzene	1.532	1.553	-1.4	84	0.00
14		1,2-Dichlorobenzene	1.483	1.468	1.0	82	0.00
15		Benzyl Alcohol	1.227	1.247	-1.6	83	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.659	2.0	82	0.00
17		2-Methylphenol	1.125	1.148	-2.0	83	0.00
18		Hexachloroethane	0.563	0.560	0.5	82	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.040	-1.7	84	0.00
20		3+4-Methylphenols	1.560	1.590	-1.9	83	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	79	0.00
22		Acetophenone	0.502	0.513	-2.2	83	0.00
23	S	Nitrobenzene-d5	0.395	0.403	-2.0	83	0.00
24		Nitrobenzene	0.353	0.363	-2.8	83	0.00
25		Isophorone	0.700	0.711	-1.6	83	0.00
26	C	2-Nitrophenol	0.181	0.186	-2.8	81	0.00
27		2,4-Dimethylphenol	0.312	0.321	-2.9	82	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.422	0.2	82	0.00
29	C	2,4-Dichlorophenol	0.310	0.322	-3.9	83	0.00
30		1,2,4-Trichlorobenzene	0.340	0.339	0.3	82	0.00
31		Naphthalene	1.040	1.045	-0.5	82	0.00
32		Benzoic acid	0.230	0.223	3.0	77	0.00
33		4-Chloroaniline	0.459	0.473	-3.1	83	0.00
34	C	Hexachlorobutadiene	0.211	0.214	-1.4	83	0.00
35		Caprolactam	0.114	0.118	-3.5	85	-0.01
36	C	4-Chloro-3-methylphenol	0.355	0.369	-3.9	84	0.00
37		2-Methylnaphthalene	0.676	0.674	0.3	81	0.00
38		1-Methylnaphthalene	0.719	0.714	0.7	82	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.583	-0.9	82	-0.01
41	P	Hexachlorocyclopentadiene	0.349	0.374	-7.2	85	0.00
42	S	2,4,6-Tribromophenol	0.269	0.276	-2.6	83	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	83	0.00
44		2,4,5-Trichlorophenol	0.427	0.443	-3.7	82	0.00
45	S	2-Fluorobiphenyl	1.463	1.470	-0.5	83	0.00
46		1,1'-Biphenyl	1.453	1.450	0.2	81	0.00
47		2-Chloronaphthalene	1.131	1.139	-0.7	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.349	-6.1	83	0.00
49		Acenaphthylene	1.871	1.926	-2.9	84	0.00
50		Dimethylphthalate	1.465	1.497	-2.2	84	0.00
51		2,6-Dinitrotoluene	0.309	0.323	-4.5	82	0.00
52	C	Acenaphthene	1.098	1.125	-2.5	85	0.00
53		3-Nitroaniline	0.347	0.364	-4.9	84	-0.01
54	P	2,4-Dinitrophenol	0.165	0.172	-4.2	83	0.00
55		Dibenzofuran	1.736	1.746	-0.6	82	0.00
56	P	4-Nitrophenol	0.285	0.297	-4.2	84	0.00
57		2,4-Dinitrotoluene	0.440	0.467	-6.1	84	0.00
58		Fluorene	1.370	1.387	-1.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.395	-4.8	85	0.00
60		Diethylphthalate	1.488	1.506	-1.2	83	0.00
61		4-Chlorophenyl-phenylether	0.681	0.685	-0.6	83	0.00
62		4-Nitroaniline	0.356	0.376	-5.6	84	0.00
63		Azobenzene	1.274	1.309	-2.7	83	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.127	-1.6	83	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.607	0.5	83	0.00
67		4-Bromophenyl-phenylether	0.220	0.218	0.9	83	0.00
68		Hexachlorobenzene	0.255	0.254	0.4	84	0.00
69		Atrazine	0.228	0.232	-1.8	85	0.00
70	C	Pentachlorophenol	0.161	0.180	-11.8	92	0.00
71		Phenanthrene	1.099	1.097	0.2	85	0.00
72		Anthracene	1.122	1.124	-0.2	84	0.00
73		Carbazole	1.057	1.074	-1.6	86	0.00
74		Di-n-butylphthalate	1.300	1.303	-0.2	84	0.00
75	C	Fluoranthene	1.311	1.320	-0.7	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77		Benzidine	0.683	0.831	-21.7	72	0.00
78		Pyrene	1.300	1.275	1.9	84	0.00
79	S	Terphenyl-d14	1.093	1.068	2.3	86	0.00
80		Butylbenzylphthalate	0.589	0.588	0.2	85	0.00
81		Benzo(a)anthracene	1.319	1.331	-0.9	88	-0.01
82		3,3'-Dichlorobenzidine	0.497	0.510	-2.6	88	-0.01
83		Chrysene	1.235	1.253	-1.5	89	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.857	1.2	87	-0.02
85	c	Di-n-octyl phthalate	1.492	1.484	0.5	86	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	85	-0.02
87		Indeno(1,2,3-cd)pyrene	1.467	1.475	-0.5	89	-0.03
88		Benzo(b)fluoranthene	1.179	1.199	-1.7	90	-0.01
89		Benzo(k)fluoranthene	1.180	1.177	0.3	89	0.00
90	C	Benzo(a)pyrene	1.148	1.151	-0.3	88	0.00
91		Dibenzo(a,h)anthracene	1.199	1.208	-0.8	89	-0.02
92		Benzo(g,h,i)perylene	1.178	1.184	-0.5	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	80	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	85	0.00
3		Pyridine	40.000	39.888	0.3	84	0.00
4		n-Nitrosodimethylamine	40.000	41.101	-2.8	85	0.00
5	S	2-Fluorophenol	80.000	81.088	-1.4	84	0.00
6		Aniline	40.000	40.970	-2.4	84	0.00
7	S	Phenol-d6	80.000	81.606	-2.0	83	0.00
8		2-Chlorophenol	40.000	40.322	-0.8	83	0.00
9		Benzaldehyde	40.000	47.275	-18.2	75	0.00
10	C	Phenol	40.000	40.771	-1.9	84	0.00
11		bis(2-Chloroethyl)ether	40.000	40.048	-0.1	82	0.00
12		1,3-Dichlorobenzene	40.000	40.829	-2.1	84	0.00
13	C	1,4-Dichlorobenzene	40.000	40.565	-1.4	84	0.00
14		1,2-Dichlorobenzene	40.000	39.617	1.0	82	0.00
15		Benzyl Alcohol	40.000	40.671	-1.7	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.232	1.9	82	0.00
17		2-Methylphenol	40.000	40.791	-2.0	83	0.00
18		Hexachloroethane	40.000	39.750	0.6	82	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.666	-1.7	84	0.00
20		3+4-Methylphenols	40.000	40.768	-1.9	83	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	79	0.00
22		Acetophenone	40.000	40.930	-2.3	83	0.00
23	S	Nitrobenzene-d5	80.000	81.634	-2.0	83	0.00
24		Nitrobenzene	40.000	41.117	-2.8	83	0.00
25		Isophorone	40.000	40.642	-1.6	83	0.00
26	C	2-Nitrophenol	40.000	40.994	-2.5	81	0.00
27		2,4-Dimethylphenol	40.000	41.117	-2.8	82	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.927	0.2	82	0.00
29	C	2,4-Dichlorophenol	40.000	41.524	-3.8	83	0.00
30		1,2,4-Trichlorobenzene	40.000	39.885	0.3	82	0.00
31		Naphthalene	40.000	40.194	-0.5	82	0.00
32		Benzoic acid	40.000	38.736	3.2	77	0.00
33		4-Chloroaniline	40.000	41.245	-3.1	83	0.00
34	C	Hexachlorobutadiene	40.000	40.518	-1.3	83	0.00
35		Caprolactam	40.000	41.412	-3.5	85	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.484	-3.7	84	0.00
37		2-Methylnaphthalene	40.000	39.832	0.4	81	0.00
38		1-Methylnaphthalene	40.000	39.723	0.7	82	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.342	-0.9	82	-0.01
41	P	Hexachlorocyclopentadiene	40.000	42.907	-7.3	85	0.00
42	S	2,4,6-Tribromophenol	80.000	82.139	-2.7	83	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.069	-2.7	83	0.00
44		2,4,5-Trichlorophenol	40.000	41.457	-3.6	82	0.00
45	S	2-Fluorobiphenyl	80.000	80.382	-0.5	83	0.00
46		1,1'-Biphenyl	40.000	39.933	0.2	81	0.00
47		2-Chloronaphthalene	40.000	40.309	-0.8	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.321	-5.8	83	0.00
49		Acenaphthylene	40.000	41.180	-2.9	84	0.00
50		Dimethylphthalate	40.000	40.894	-2.2	84	0.00
51		2,6-Dinitrotoluene	40.000	41.884	-4.7	82	0.00
52	C	Acenaphthene	40.000	40.956	-2.4	85	0.00
53		3-Nitroaniline	40.000	41.978	-4.9	84	-0.01
54	P	2,4-Dinitrophenol	40.000	41.836	-4.6	83	0.00
55		Dibenzofuran	40.000	40.222	-0.6	82	0.00
56	P	4-Nitrophenol	40.000	41.615	-4.0	84	0.00
57		2,4-Dinitrotoluene	40.000	42.379	-5.9	84	0.00
58		Fluorene	40.000	40.486	-1.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.876	-4.7	85	0.00
60		Diethylphthalate	40.000	40.483	-1.2	83	0.00
61		4-Chlorophenyl-phenylether	40.000	40.215	-0.5	83	0.00
62		4-Nitroaniline	40.000	42.276	-5.7	84	0.00
63		Azobenzene	40.000	41.097	-2.7	83	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.785	-2.0	83	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.818	0.5	83	0.00
67		4-Bromophenyl-phenylether	40.000	39.718	0.7	83	0.00
68		Hexachlorobenzene	40.000	39.777	0.6	84	0.00
69		Atrazine	40.000	40.573	-1.4	85	0.00
70	C	Pentachlorophenol	40.000	44.716	-11.8	92	0.00
71		Phenanthrene	40.000	39.928	0.2	85	0.00
72		Anthracene	40.000	40.073	-0.2	84	0.00
73		Carbazole	40.000	40.652	-1.6	86	0.00
74		Di-n-butylphthalate	40.000	40.088	-0.2	84	0.00
75	C	Fluoranthene	40.000	40.295	-0.7	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	84	0.00
77		Benzidine	40.000	48.674	-21.7	72	0.00
78		Pyrene	40.000	39.243	1.9	84	0.00
79	S	Terphenyl-d14	80.000	78.141	2.3	86	0.00
80		Butylbenzylphthalate	40.000	39.923	0.2	85	0.00
81		Benzo(a)anthracene	40.000	40.350	-0.9	88	-0.01
82		3,3'-Dichlorobenzidine	40.000	41.063	-2.7	88	-0.01
83		Chrysene	40.000	40.587	-1.5	89	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.528	1.2	87	-0.02
85	c	Di-n-octyl phthalate	40.000	39.799	0.5	86	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	85	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.219	-0.5	89	-0.03
88		Benzo(b)fluoranthene	40.000	40.672	-1.7	90	-0.01
89		Benzo(k)fluoranthene	40.000	39.896	0.3	89	0.00
90	C	Benzo(a)pyrene	40.000	40.111	-0.3	88	0.00
91		Dibenzo(a,h)anthracene	40.000	40.314	-0.8	89	-0.02
92		Benzo(g,h,i)perylene	40.000	40.212	-0.5	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2820
Instrument ID:	BNA_P	Calibration Date/Time:	08/15/2025 09:13
Lab File ID:	BP025420.D	Init. Calib. Date(s):	08/14/2025 08/14/2025
EPA Sample No.:	SSTDCCC040EC	Init. Calib. Time(s):	12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.165		-3.2	50.0
Benzaldehyde	1.082	1.388		28.3	50.0
Phenol-d6	1.544	1.515		-1.9	50.0
Phenol	1.620	1.585		-2.2	50.0
bis(2-Chloroethyl)ether	1.263	1.213		-4.0	50.0
2-Chlorophenol	1.359	1.326		-2.4	50.0
2-Methylphenol	1.125	1.113		-1.1	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.656		-2.1	50.0
Acetophenone	0.502	0.478		-4.8	50.0
3+4-Methylphenols	1.560	1.530		-1.9	50.0
n-Nitroso-di-n-propylamine	1.023	0.998	0.050	-2.4	50.0
Nitrobenzene-d5	0.395	0.387		-2.0	50.0
Hexachloroethane	0.563	0.543		-3.6	50.0
Nitrobenzene	0.353	0.347		-1.7	50.0
Isophorone	0.700	0.671		-4.1	50.0
2-Nitrophenol	0.181	0.179		-1.1	50.0
2,4-Dimethylphenol	0.312	0.302		-3.2	50.0
bis(2-Chloroethoxy)methane	0.423	0.402		-5.0	50.0
2,4-Dichlorophenol	0.310	0.303		-2.3	50.0
Naphthalene	1.040	0.995		-4.3	50.0
4-Chloroaniline	0.459	0.447		-2.6	50.0
Hexachlorobutadiene	0.211	0.202		-4.3	50.0
Caprolactam	0.114	0.110		-3.5	50.0
4-Chloro-3-methylphenol	0.355	0.352		-0.8	50.0
2-Methylnaphthalene	0.676	0.645		-4.6	50.0
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	50.0
2,4,6-Trichlorophenol	0.390	0.387		-0.8	50.0
2-Fluorobiphenyl	1.463	1.348		-7.9	50.0
2,4,5-Trichlorophenol	0.427	0.423		-0.9	50.0
1,1-Biphenyl	1.453	1.384		-4.7	50.0
2-Chloronaphthalene	1.131	1.087		-3.9	50.0
2-Nitroaniline	0.329	0.338		2.7	50.0
Dimethylphthalate	1.465	1.412		-3.6	50.0
Acenaphthylene	1.871	1.788		-4.4	50.0
2,6-Dinitrotoluene	0.309	0.309		0.0	50.0
3-Nitroaniline	0.347	0.350		0.9	50.0
Acenaphthene	1.098	1.045		-4.8	50.0
2,4-Dinitrophenol	0.165	0.167	0.050	1.2	50.0
4-Nitrophenol	0.285	0.289	0.050	1.4	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 09:13

Lab File ID: BP025420.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.648		-5.1	50.0
2,4-Dinitrotoluene	0.440	0.446		1.4	50.0
Diethylphthalate	1.488	1.434		-3.6	50.0
4-Chlorophenyl-phenylether	0.681	0.625		-8.2	50.0
Fluorene	1.370	1.264		-7.7	50.0
4-Nitroaniline	0.356	0.347		-2.5	50.0
4,6-Dinitro-2-methylphenol	0.125	0.128		2.4	50.0
n-Nitrosodiphenylamine	0.610	0.588		-3.6	50.0
2,4,6-Tribromophenol	0.269	0.265		-1.5	50.0
4-Bromophenyl-phenylether	0.220	0.215		-2.3	50.0
Hexachlorobenzene	0.255	0.241		-5.5	50.0
Atrazine	0.228	0.223		-2.2	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.068		-2.8	50.0
Anthracene	1.122	1.084		-3.4	50.0
Carbazole	1.057	1.026		-2.9	50.0
Di-n-butylphthalate	1.300	1.260		-3.1	50.0
Fluoranthene	1.311	1.259		-4.0	50.0
Pyrene	1.300	1.235		-5.0	50.0
Terphenyl-d14	1.093	1.002		-8.3	50.0
Butylbenzylphthalate	0.589	0.570		-3.2	50.0
3,3-Dichlorobenzidine	0.497	0.476		-4.2	50.0
Benzo(a)anthracene	1.319	1.271		-3.6	50.0
Chrysene	1.235	1.176		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.819		-5.5	50.0
Di-n-octyl phthalate	1.492	1.399		-6.2	50.0
Benzo(b)fluoranthene	1.179	1.140		-3.3	50.0
Benzo(k)fluoranthene	1.180	1.104		-6.4	50.0
Benzo(a)pyrene	1.148	1.097		-4.4	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.391		-5.2	50.0
Dibenzo(a,h)anthracene	1.199	1.147		-4.3	50.0
Benzo(g,h,i)perylene	1.178	1.122		-4.8	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.558		-3.5	50.0
1,4-Dioxane	0.472	0.451		-4.4	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.370		-1.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174735	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	746476	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	494163	20.000	ng	0.00
64) Phenanthrene-d10	17.183	188	985019	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	1034992	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1196337	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	813992	77.363	ng	0.00
7) Phenol-d6	6.966	99	1058593	78.474	ng	0.00
23) Nitrobenzene-d5	8.931	82	1156964	78.403	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	524221	78.813	ng	-0.01
45) 2-Fluorobiphenyl	13.019	172	2664086	73.679	ng	0.00
79) Terphenyl-d14	19.913	244	4146697	73.302	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	157593	38.238	ng	100
3) Pyridine	3.731	79	431150	38.221	ng	97
4) n-Nitrosodimethylamine	3.637	42	190300	40.919	ng	95
6) Aniline	7.125	93	712490	39.201	ng	99
8) 2-Chlorophenol	7.366	128	463559	39.042	ng	99
9) Benzaldehyde	6.943	77	485014	51.318	ng	98
10) Phenol	6.996	94	553755	39.121	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	423787	38.412	ng	98
12) 1,3-Dichlorobenzene	7.684	146	502508	38.382	ng	100
13) 1,4-Dichlorobenzene	7.825	146	511040	38.189	ng	100
14) 1,2-Dichlorobenzene	8.137	146	497191	38.382	ng	99
15) Benzyl Alcohol	8.019	79	424721	39.625	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	578692	39.155	ng	99
17) 2-Methylphenol	8.225	107	388838	39.552	ng	100
18) Hexachloroethane	8.860	117	189741	38.564	ng	98
19) n-Nitroso-di-n-propyla...	8.590	70	348777	39.033	ng	99
20) 3+4-Methylphenols	8.549	107	534708	39.238	ng	97
22) Acetophenone	8.602	105	713012	38.088	ng	99
24) Nitrobenzene	8.972	77	518361	39.305	ng	98
25) Isophorone	9.502	82	1002189	38.375	ng	99
26) 2-Nitrophenol	9.678	139	266580	39.387	ng	99
27) 2,4-Dimethylphenol	9.743	122	450423	38.698	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	600132	38.016	ng	98
29) 2,4-Dichlorophenol	10.213	162	451798	39.074	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	481348	37.976	ng	99
31) Naphthalene	10.613	128	1485874	38.297	ng	99
32) Benzoic acid	9.884	122	330291	38.436	ng	96
33) 4-Chloroaniline	10.707	127	667456	38.946	ng	99
34) Hexachlorobutadiene	10.901	225	301977	38.255	ng	99
35) Caprolactam	11.496	113	164915	38.897	ng	97
36) 4-Chloro-3-methylphenol	11.831	107	524817	39.556	ng	97
37) 2-Methylnaphthalene	12.213	142	962672	38.127	ng	99
38) 1-Methylnaphthalene	12.431	142	1007418	37.519	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	551420	38.637	ng	99
41) Hexachlorocyclopentadiene	12.566	237	347944	40.361	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	382510	39.699	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
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Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	418478	39.629	ng	98
46) 1,1'-Biphenyl	13.225	154	1367904	38.115	ng	100
47) 2-Chloronaphthalene	13.266	162	1074743	38.467	ng	100
48) 2-Nitroaniline	13.460	65	333818	41.005	ng	97
49) Acenaphthylene	14.119	152	1767129	38.223	ng	100
50) Dimethylphthalate	13.854	163	1395088	38.552	ng	99
51) 2,6-Dinitrotoluene	13.960	165	305591	40.066	ng	93
52) Acenaphthene	14.466	154	1032372m	38.043	ng	
53) 3-Nitroaniline	14.295	138	346194	40.343	ng	97
54) 2,4-Dinitrophenol	14.501	184	165440	40.617	ng	94
55) Dibenzofuran	14.801	168	1628276	37.952	ng	99
56) 4-Nitrophenol	14.607	139	286024	40.562	ng	97
57) 2,4-Dinitrotoluene	14.760	165	441090	40.534	ng	98
58) Fluorene	15.460	166	1248927	36.892	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	366114	39.265	ng	98
60) Diethylphthalate	15.231	149	1417722	38.557	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	617227	36.659	ng	97
62) 4-Nitroaniline	15.472	138	343275	39.020	ng	93
63) Azobenzene	15.754	77	1227772	38.996	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	252080	41.054	ng	93
66) n-Nitrosodiphenylamine	15.666	169	1159140	38.590	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	424114	39.149	ng	98
68) Hexachlorobenzene	16.484	284	475586	37.871	ng	98
69) Atrazine	16.642	200	439834	39.100	ng	99
70) Pentachlorophenol	16.831	266	326152	41.143	ng	97
71) Phenanthrene	17.231	178	2103134	38.868	ng	99
72) Anthracene	17.325	178	2134931	38.636	ng	99
73) Carbazole	17.601	167	2021861	38.846	ng	100
74) Di-n-butylphthalate	18.195	149	2481898	38.758	ng	100
75) Fluoranthene	19.319	202	2479400	38.414	ng	98
77) Benzidine	19.507	184	1958317	55.442	ng	99
78) Pyrene	19.695	202	2556537	38.003	ng	99
80) Butylbenzylphthalate	20.648	149	1180201	38.710	ng	100
81) Benzo(a)anthracene	21.619	228	2630271	38.534	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	986136	38.329	ng	99
83) Chrysene	21.683	228	2435067	38.093	ng	100
84) Bis(2-ethylhexyl)phtha...	21.572	149	1695699	37.783	ng	100
85) Di-n-octyl phthalate	22.854	149	2895926	37.514	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	3327360m	37.925	ng	
88) Benzo(b)fluoranthene	23.936	252	2728574	38.679	ng	99
89) Benzo(k)fluoranthene	24.001	252	2641382	37.417	ng	99
90) Benzo(a)pyrene	24.836	252	2625113	38.228	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2743970	38.272	ng	99
92) Benzo(g,h,i)perylene	30.024	276	2685032	38.098	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

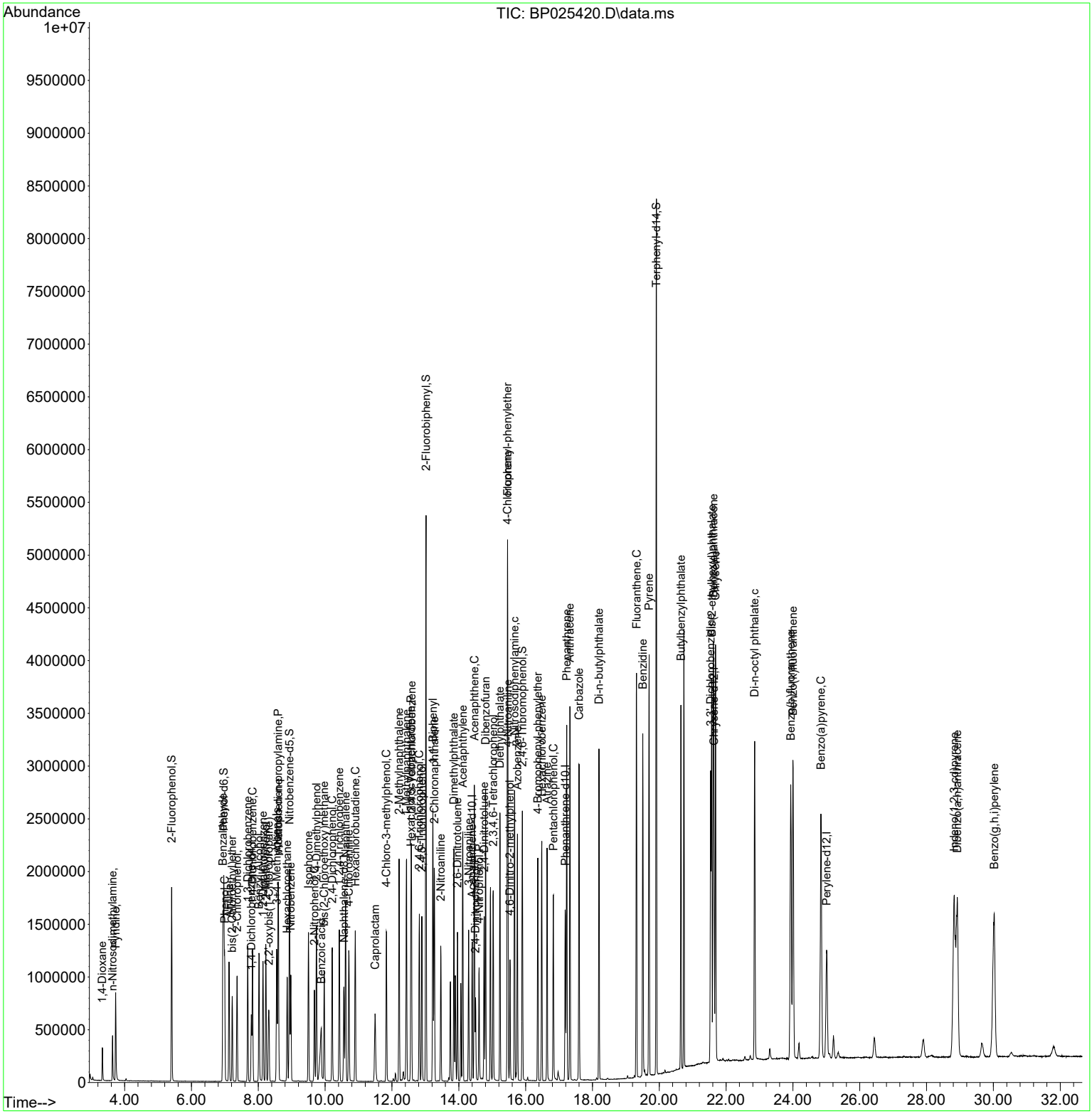
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

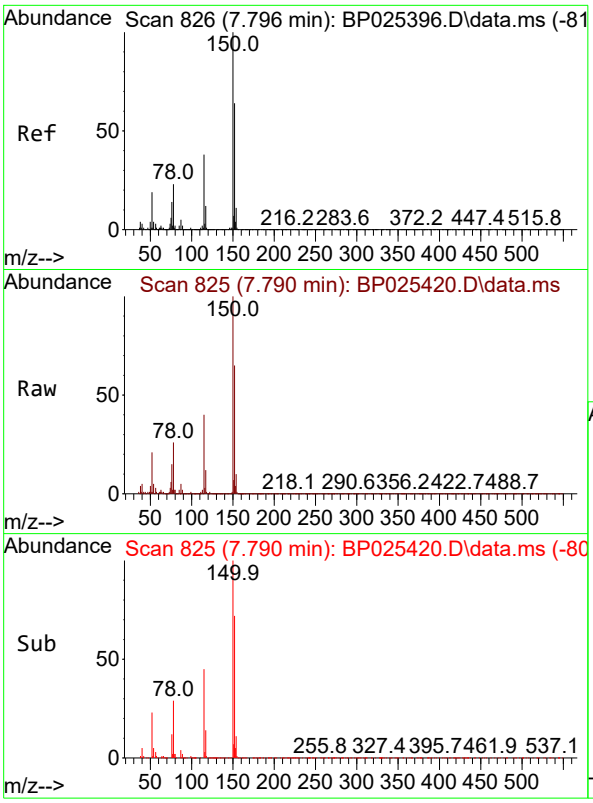
Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

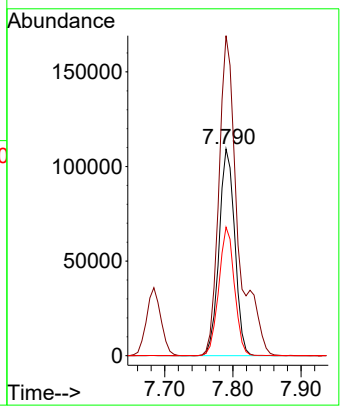




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:152 Resp: 17473

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.9	188.9
115	62.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
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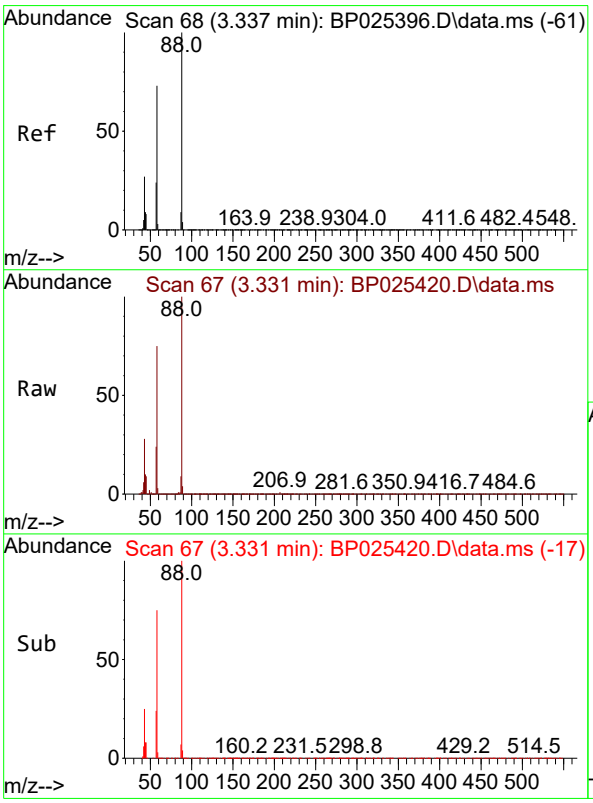
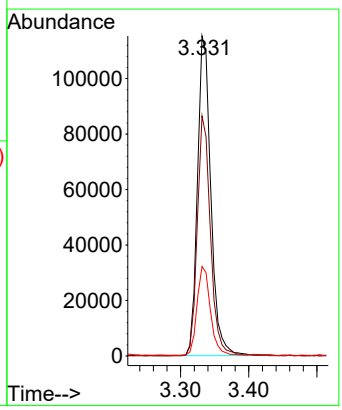
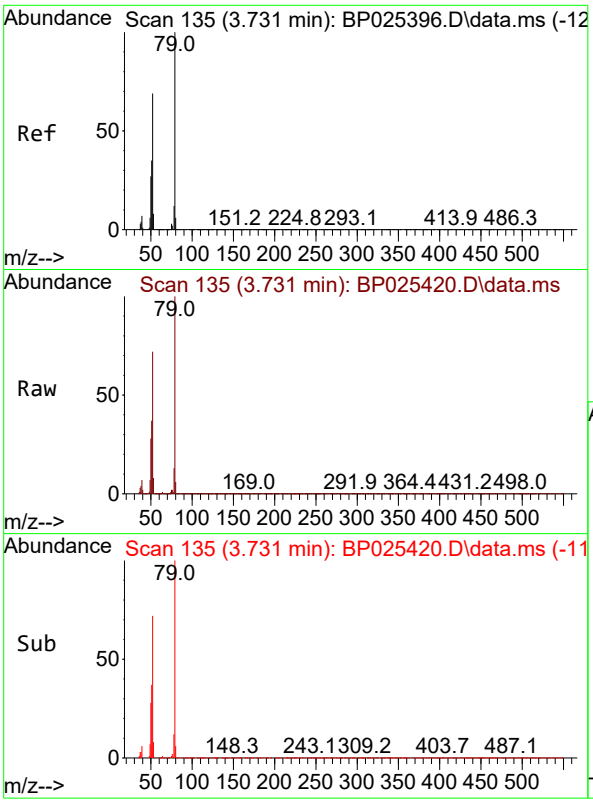


#2
1,4-Dioxane
Concen: 38.238 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 88 Resp: 157593

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.2	88.8
43	27.8	21.7	32.5

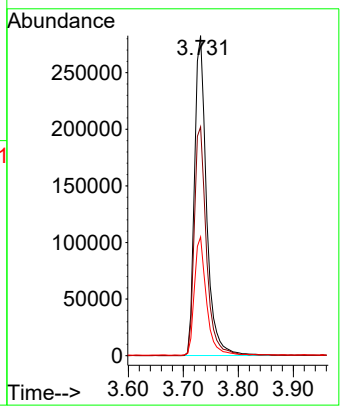




#3
Pyridine
Concen: 38.221 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 79 Resp: 43115

Ion	Ratio	Lower	Upper
79	100		
52	71.5	55.5	83.3
51	37.1	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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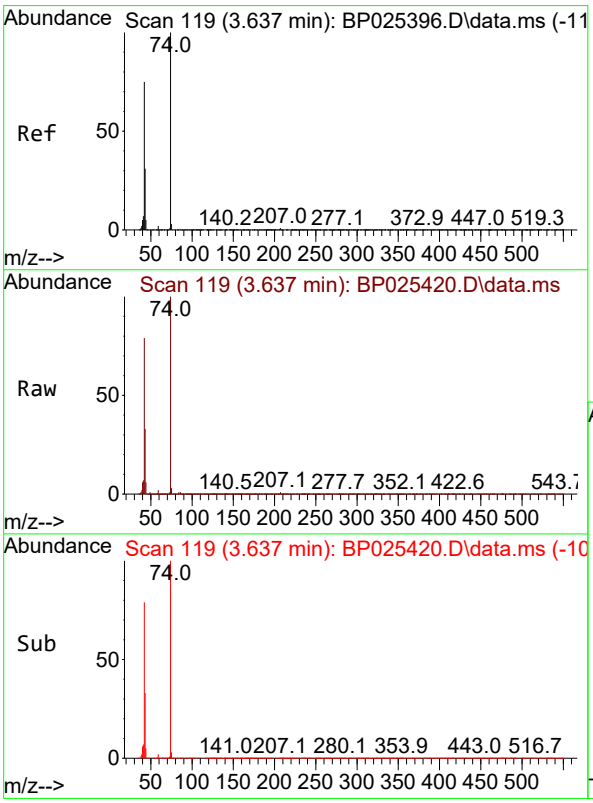
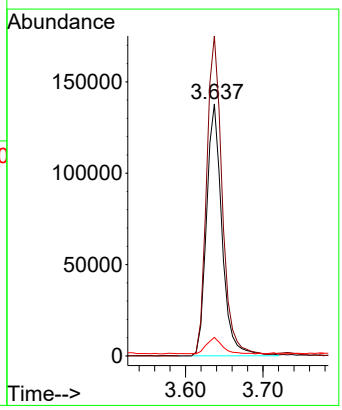
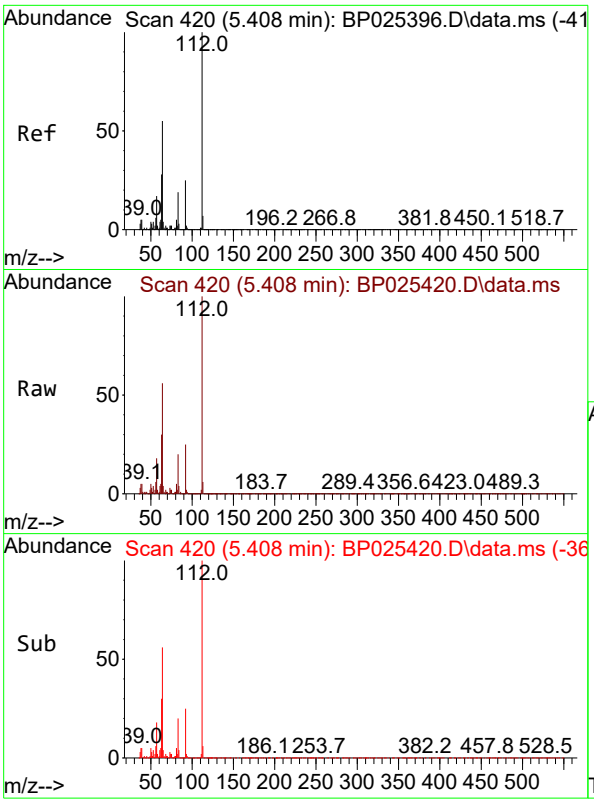


#4
n-Nitrosodimethylamine
Concen: 40.919 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 42 Resp: 190300

Ion	Ratio	Lower	Upper
42	100		
74	127.0	107.0	160.4
44	7.4	6.2	9.4





#5
2-Fluorophenol
Concen: 77.363 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:112 Resp: 81399

Ion	Ratio	Lower	Upper
112	100		
64	55.6	43.8	65.8
63	30.3	22.7	34.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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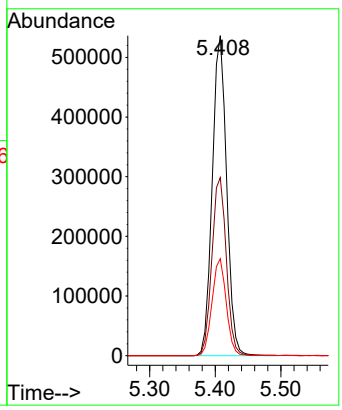
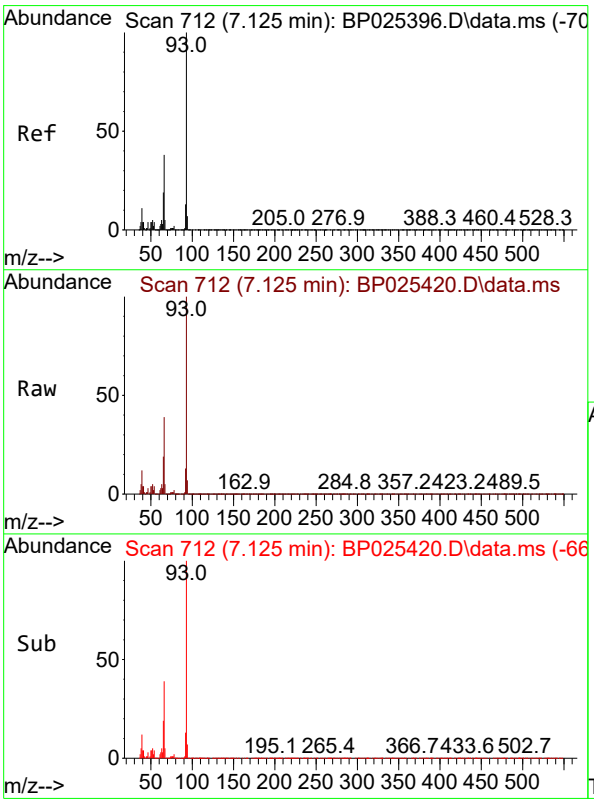
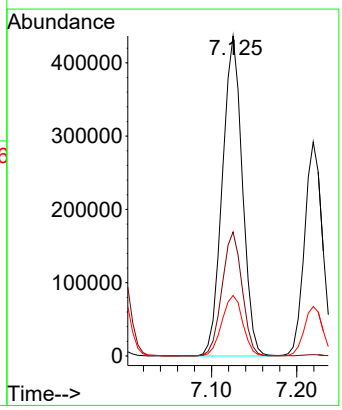


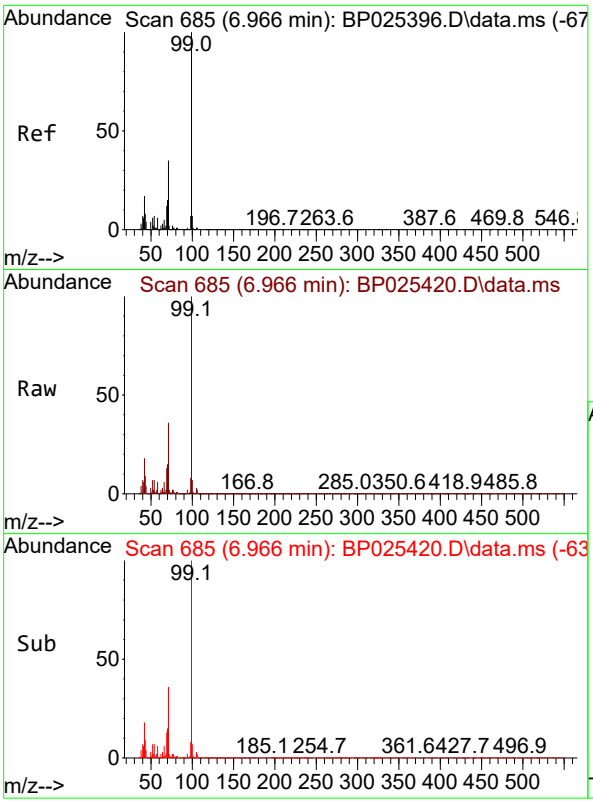


#6
Aniline
Concen: 39.201 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 93 Resp: 712490

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.4	45.6
65	18.9	15.3	22.9

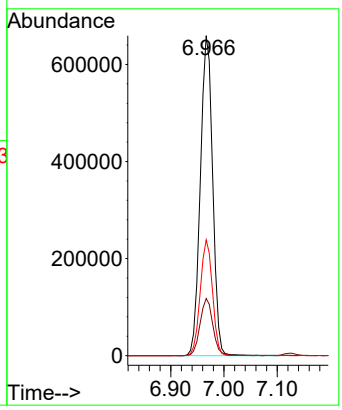




#7
Phenol-d6
Concen: 78.474 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 99 Resp: 105859

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	36.2	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
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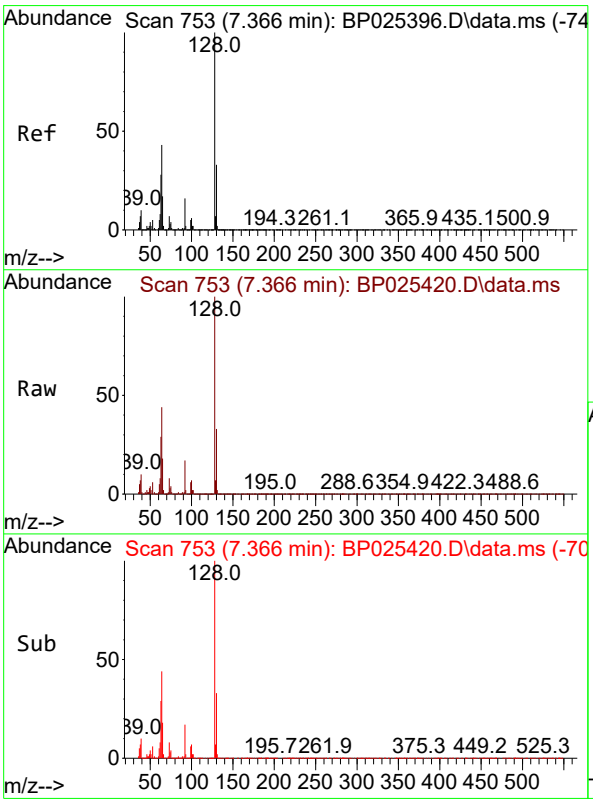
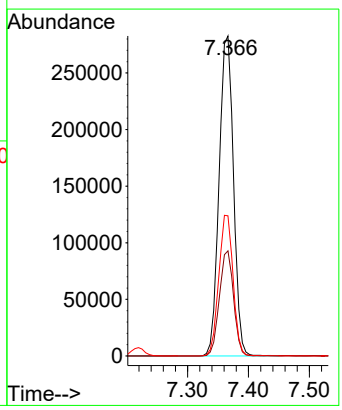
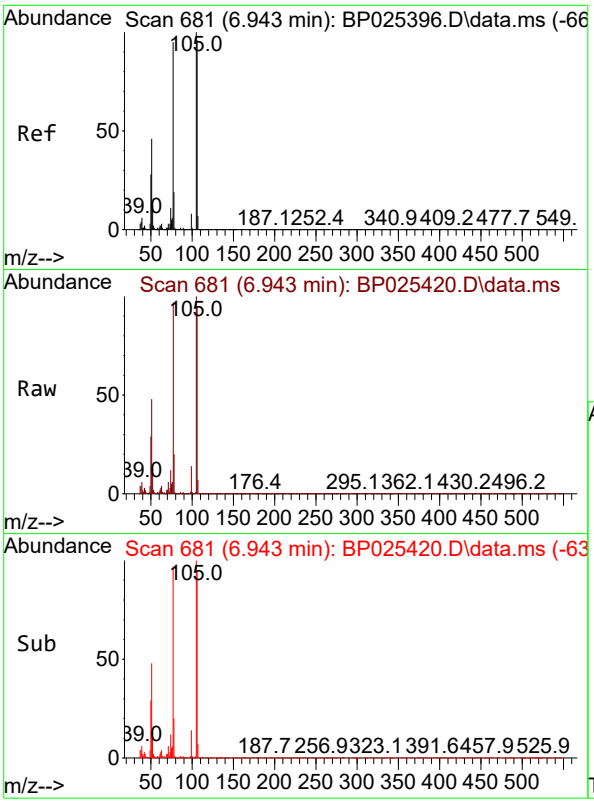


#8
2-Chlorophenol
Concen: 39.042 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:128 Resp: 463559

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.8	23.4	63.4

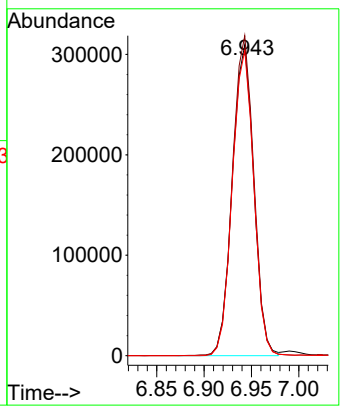




#9
Benzaldehyde
Concen: 51.318 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 77 Resp: 48501

Ion	Ratio	Lower	Upper
77	100		
105	102.9	84.8	124.8
106	98.2	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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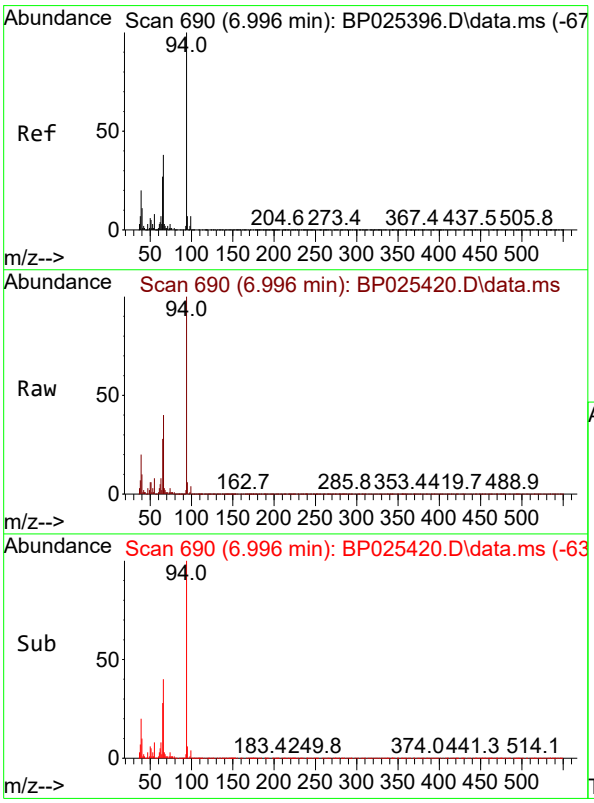
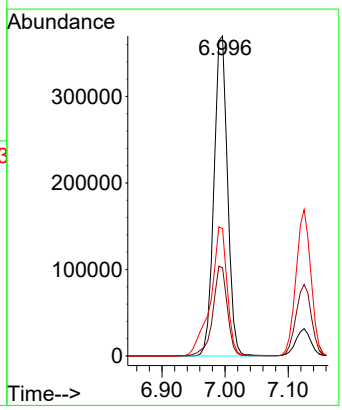
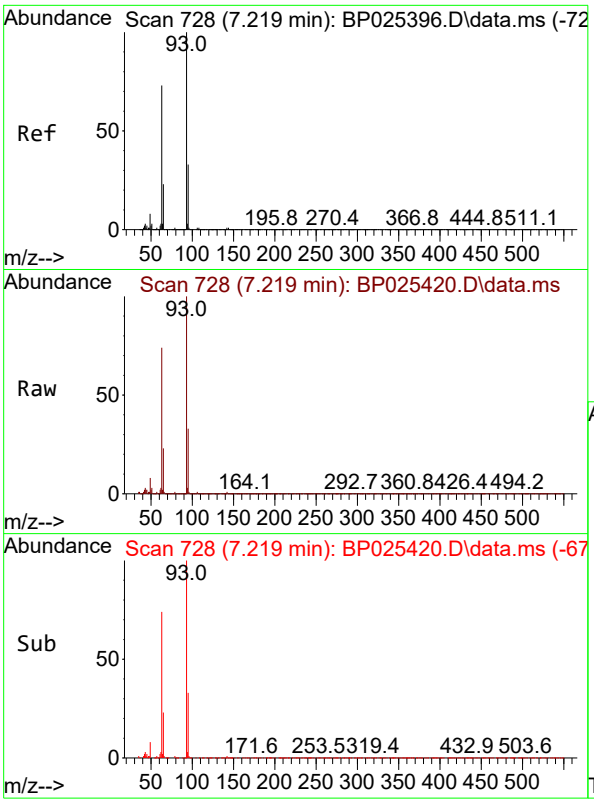


#10
Phenol
Concen: 39.121 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 94 Resp: 553755

Ion	Ratio	Lower	Upper
94	100		
65	27.6	6.8	46.8
66	39.8	18.2	58.2

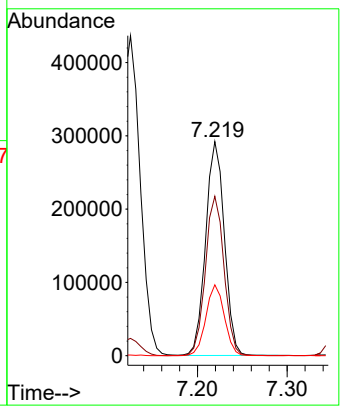




#11
bis(2-Chloroethyl)ether
Concen: 38.412 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 93 Resp: 42378

Ion	Ratio	Lower	Upper
93	100		
63	74.4	52.6	92.6
95	33.1	12.7	52.7



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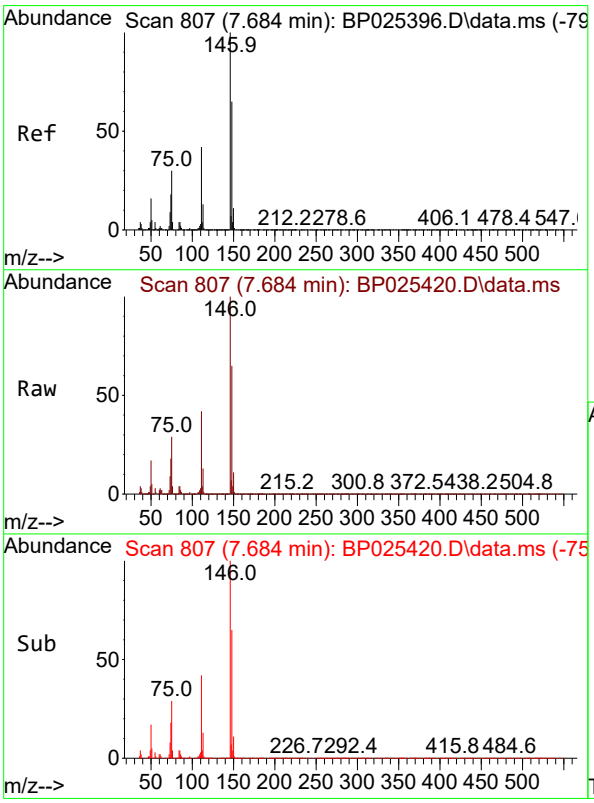
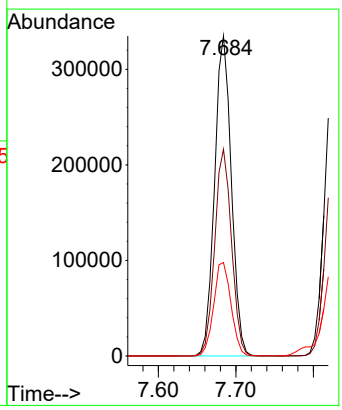
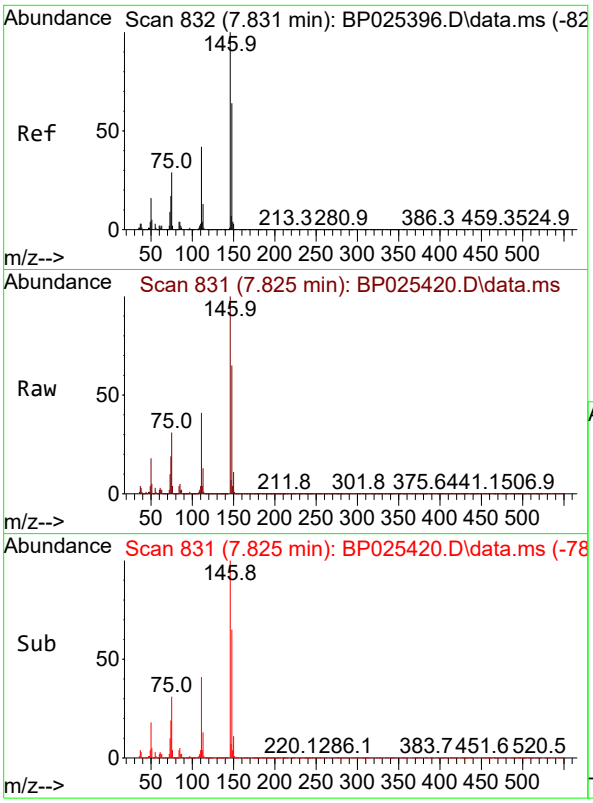


#12
1,3-Dichlorobenzene
Concen: 38.382 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:146 Resp: 502508

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	29.2	23.7	35.5

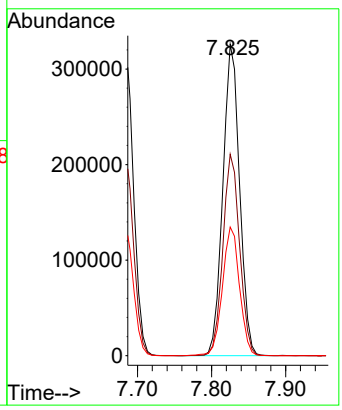




#13
1,4-Dichlorobenzene
Concen: 38.189 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:146 Resp: 51104

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
111	41.3	33.4	50.0



Instrument :
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ClientSampleId :
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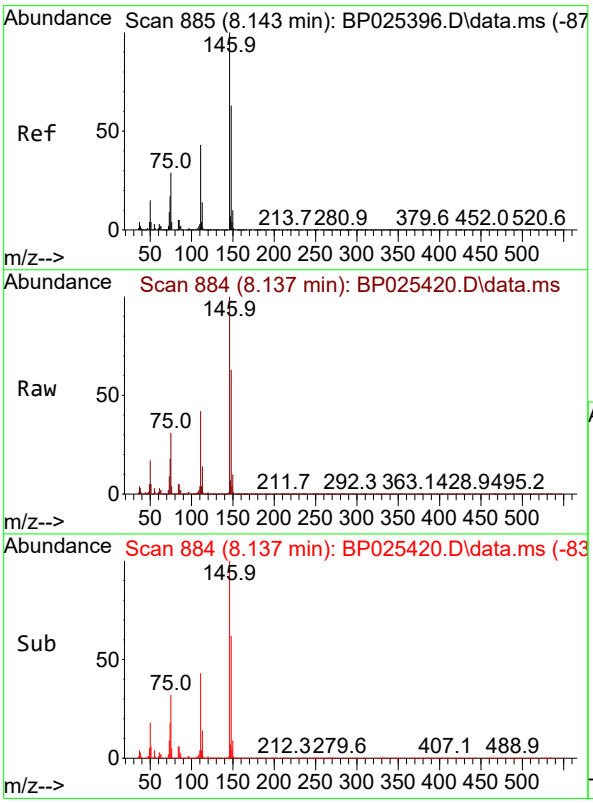
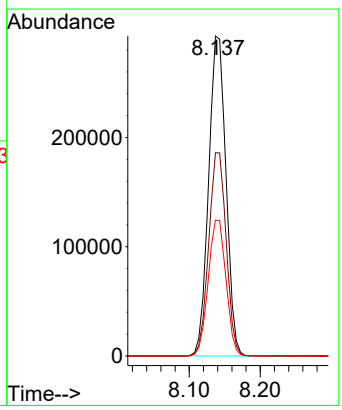
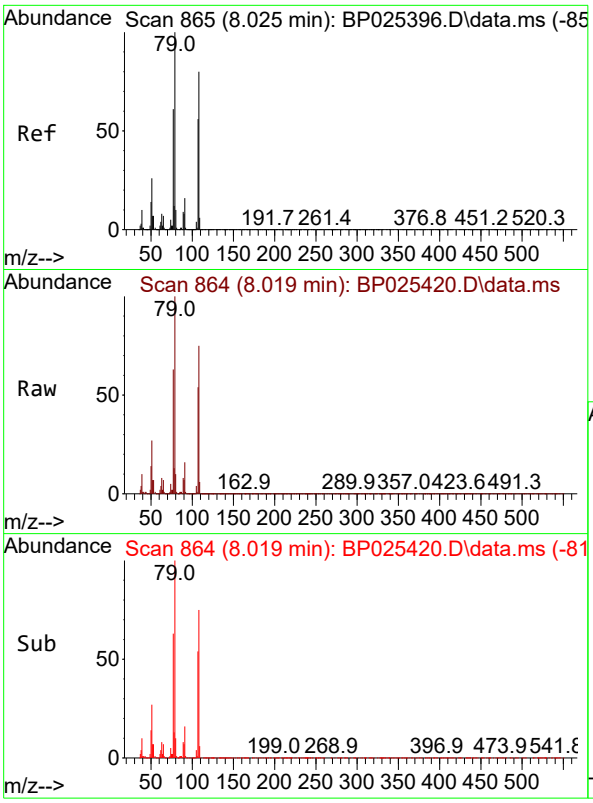


#14
1,2-Dichlorobenzene
Concen: 38.382 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:146 Resp: 497191

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	42.5	34.5	51.7





#15
Benzyl Alcohol
Concen: 39.625 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 79 Resp: 42472

Ion	Ratio	Lower	Upper
79	100		
108	75.0	63.8	95.6
77	63.1	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
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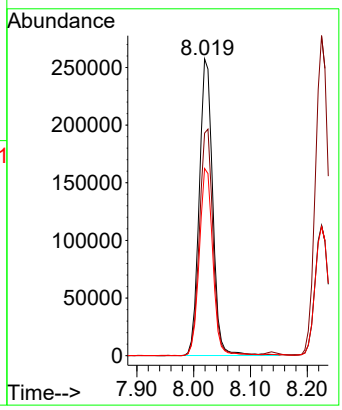
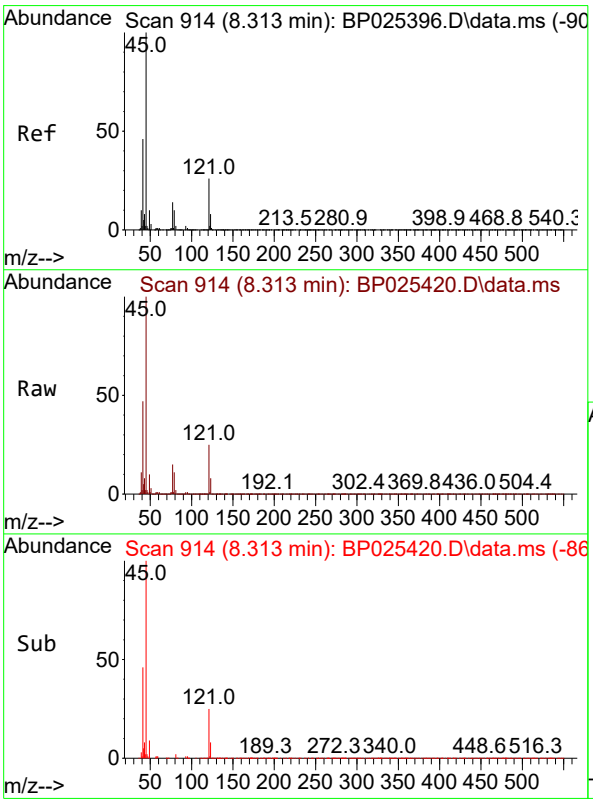
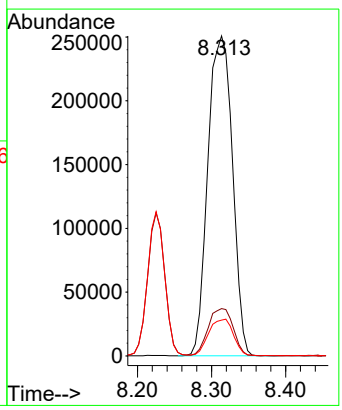


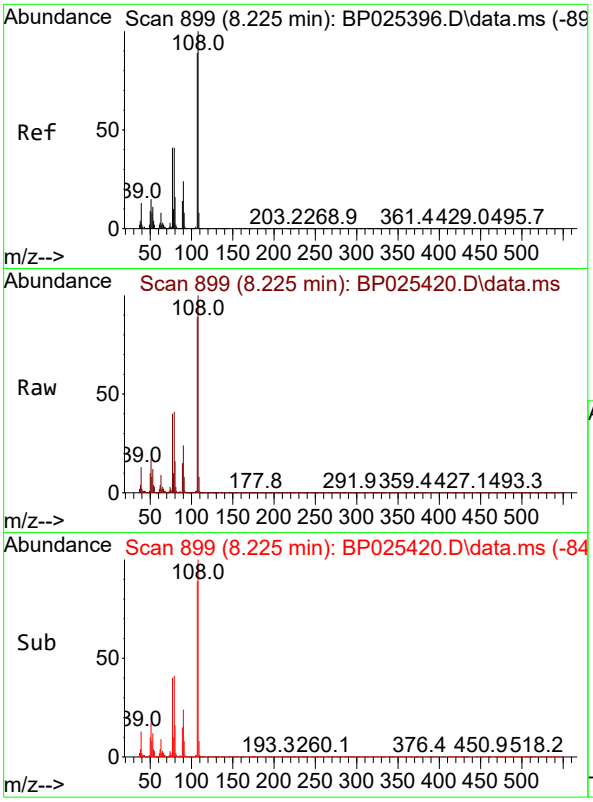


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.155 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 45 Resp: 578692

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.2	0.0	31.8

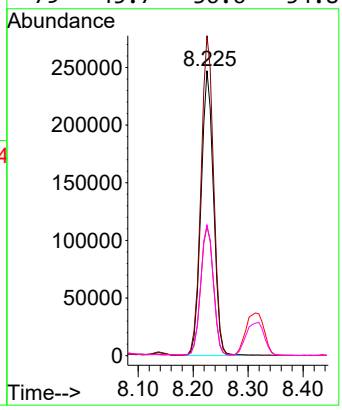




#17
2-Methylphenol
Concen: 39.552 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:107 Resp: 38883

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
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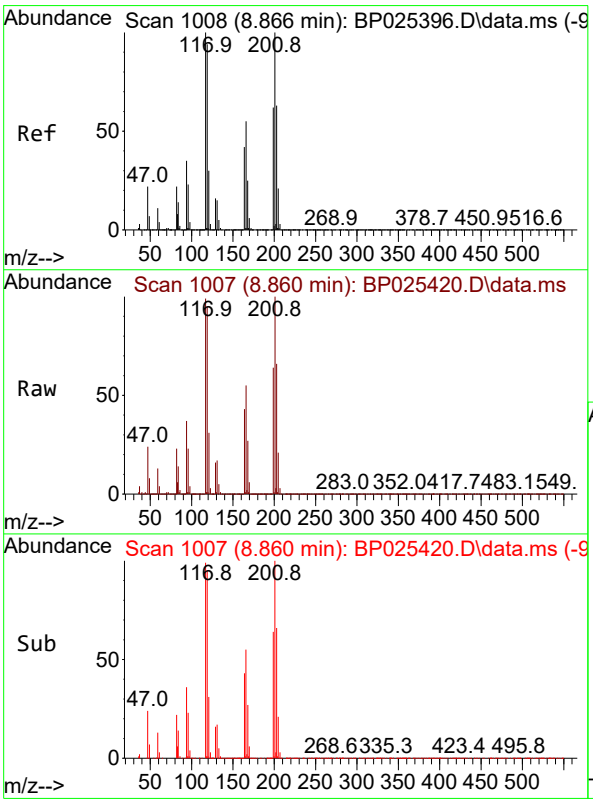
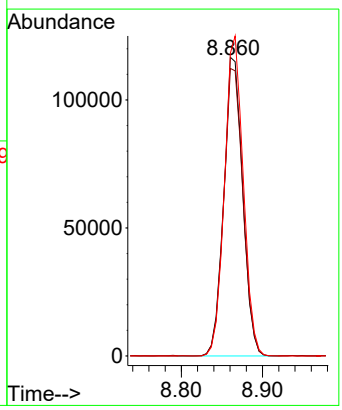
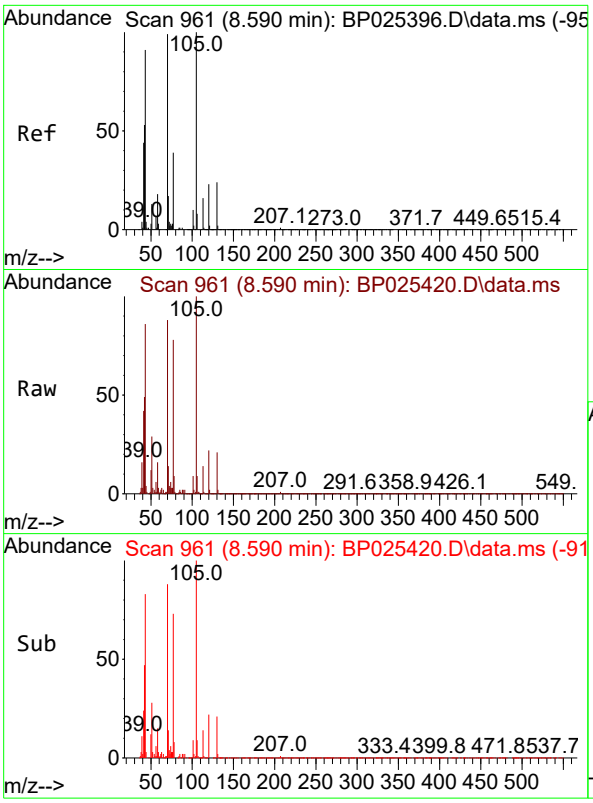


#18
Hexachloroethane
Concen: 38.564 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:117 Resp: 189741

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.1	112.7
201	101.3	80.1	120.1

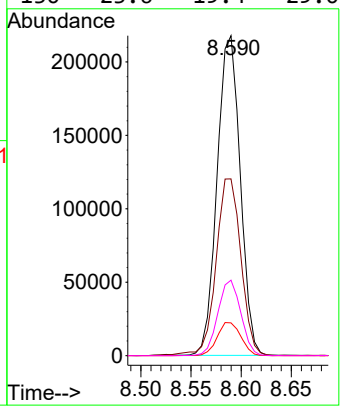




#19
n-Nitroso-di-n-propylamine
Concen: 39.033 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 70 Resp: 34877

Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.8	65.6
101	10.3	8.5	12.7
130	23.6	19.4	29.0



Instrument :
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ClientSampleId :
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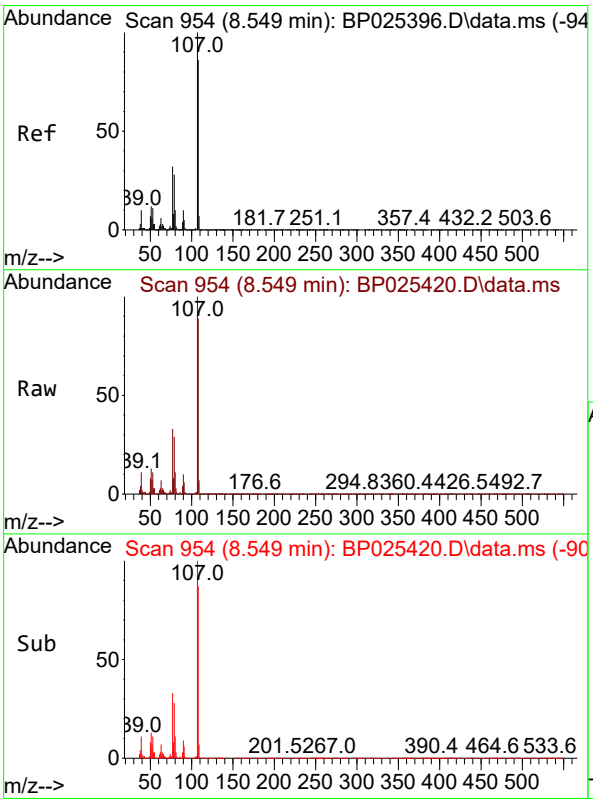
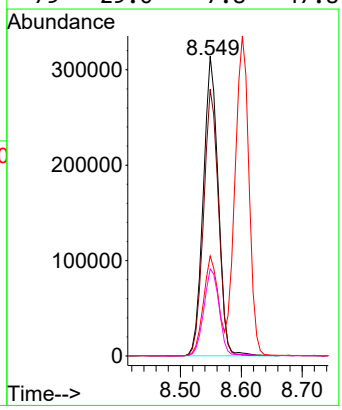
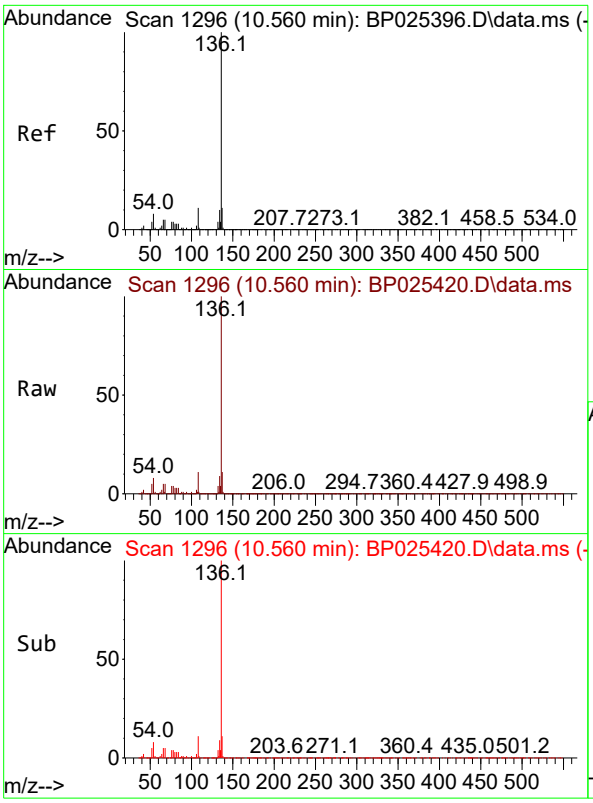


#20
3+4-Methylphenols
Concen: 39.238 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:107 Resp: 534708

Ion	Ratio	Lower	Upper
107	100		
108	89.0	66.3	106.3
77	33.4	12.3	52.3
79	29.0	7.8	47.8

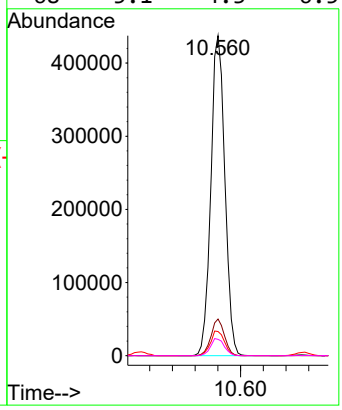




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:136 Resp: 74647

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5



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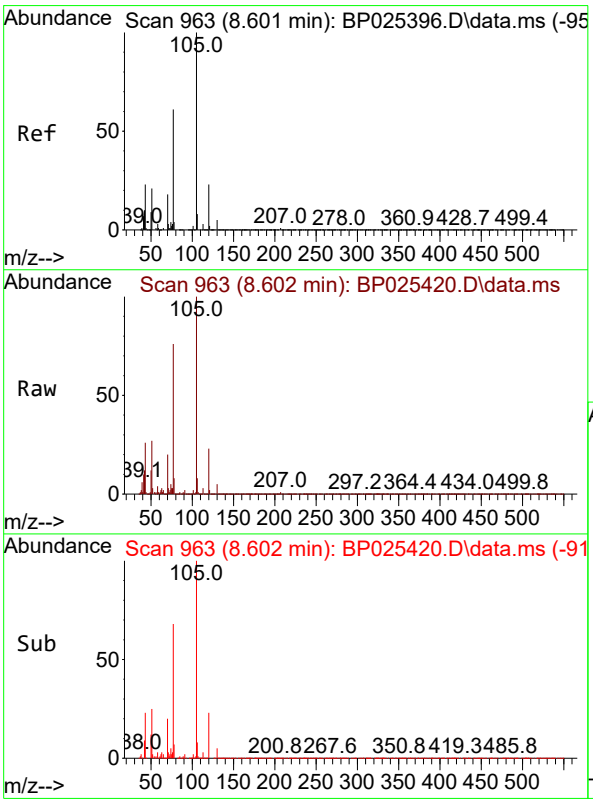
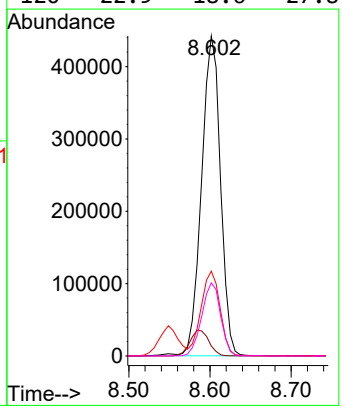
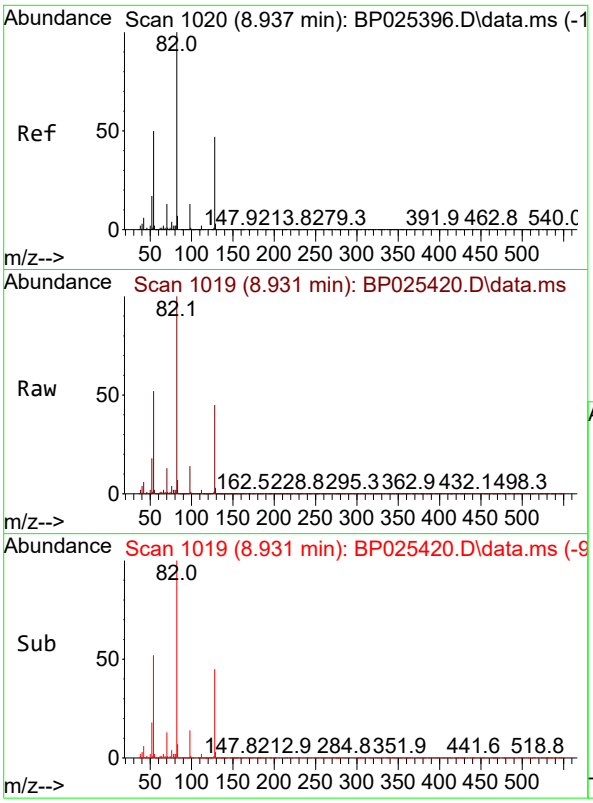


#22
Acetophenone
Concen: 38.088 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:105 Resp: 713012

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	26.5	20.6	30.8
120	22.9	18.6	27.8





#23
Nitrobenzene-d5
Concen: 78.403 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 82 Resp: 115696

Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.7	56.5
54	51.9	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
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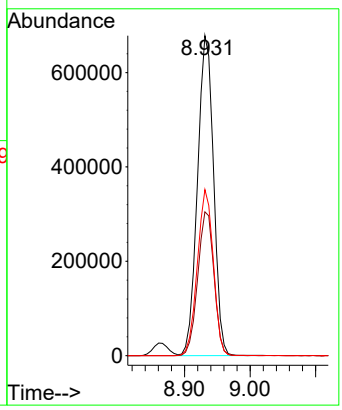
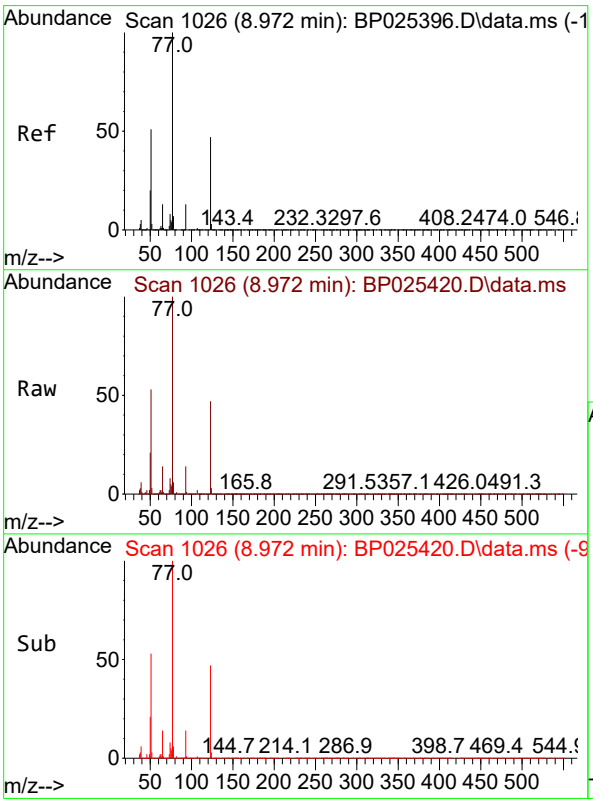
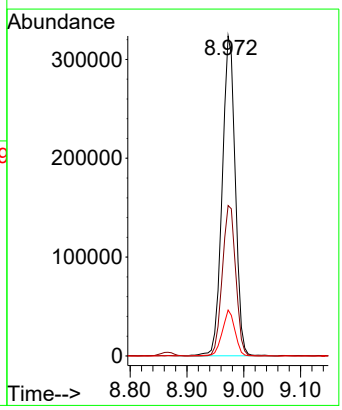


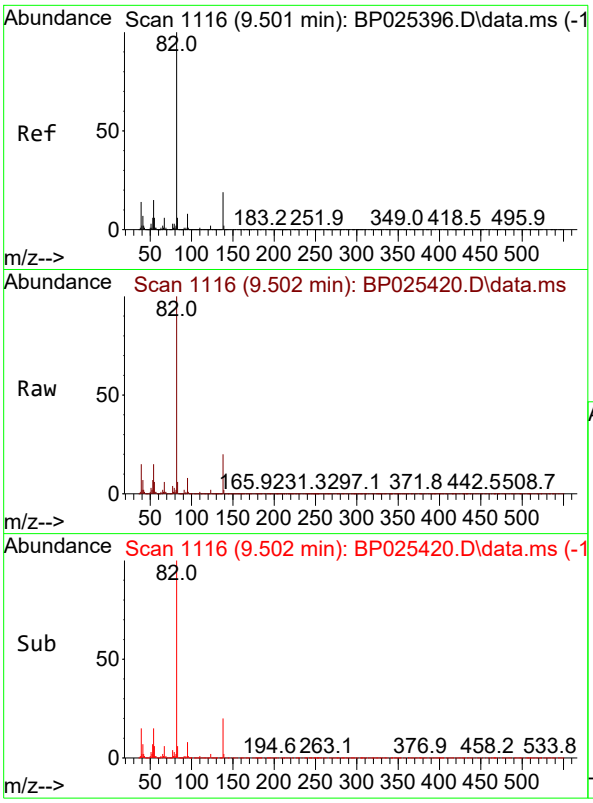


#24
Nitrobenzene
Concen: 39.305 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 77 Resp: 518361

Ion	Ratio	Lower	Upper
77	100		
123	47.0	38.6	58.0
65	14.3	10.6	15.8

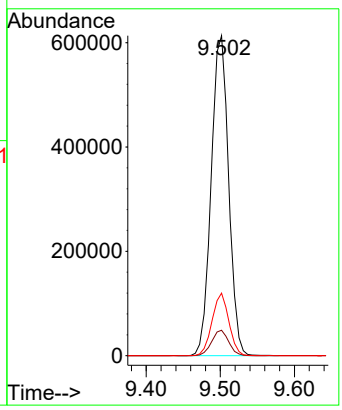




#25
Isophorone
Concen: 38.375 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 82 Resp: 100218

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	19.5	15.4	23.0



Instrument :
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ClientSampleId :
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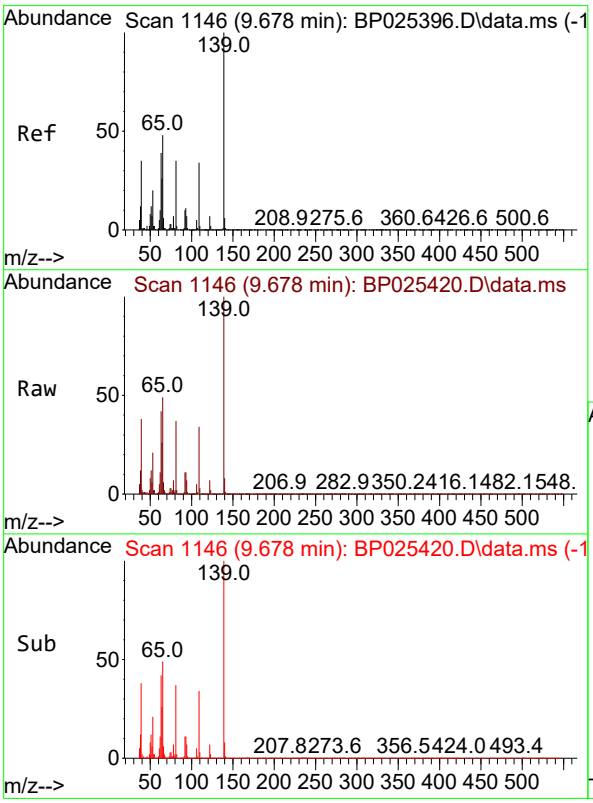
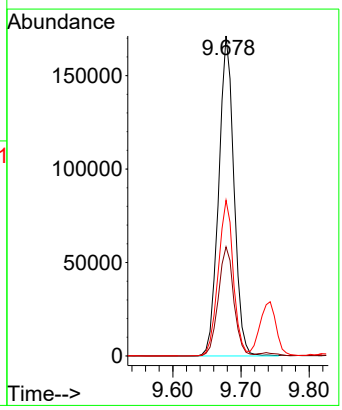
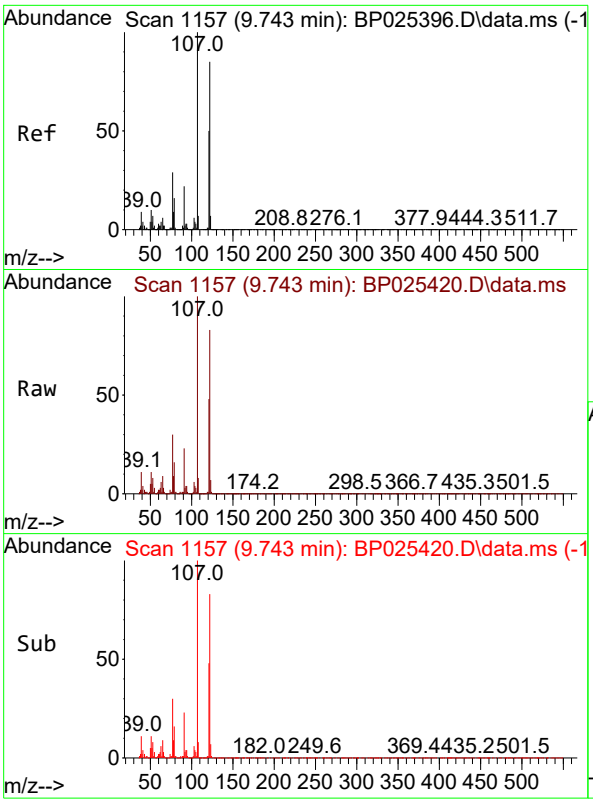


#26
2-Nitrophenol
Concen: 39.387 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:139 Resp: 266580

Ion	Ratio	Lower	Upper
139	100		
109	34.1	26.9	40.3
65	48.7	38.3	57.5

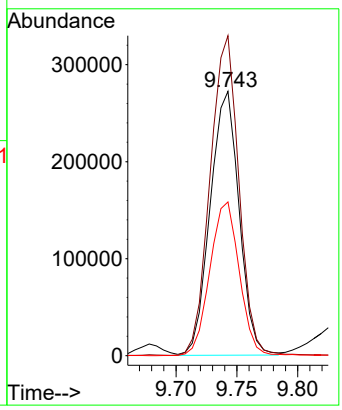




#27
2,4-Dimethylphenol
Concen: 38.698 ng
RT: 9.743 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:122 Resp: 45042

Ion	Ratio	Lower	Upper
122	100		
107	121.1	93.7	140.5
121	58.2	46.6	69.8



Instrument :
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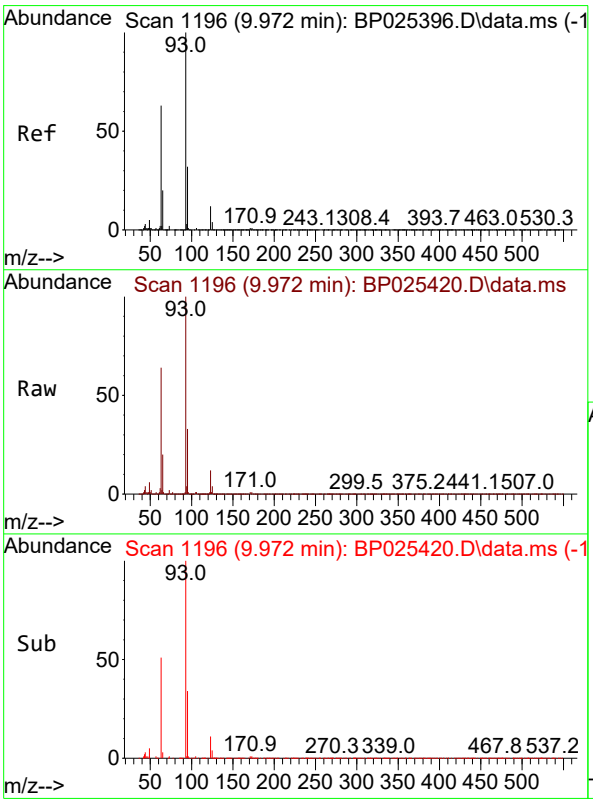
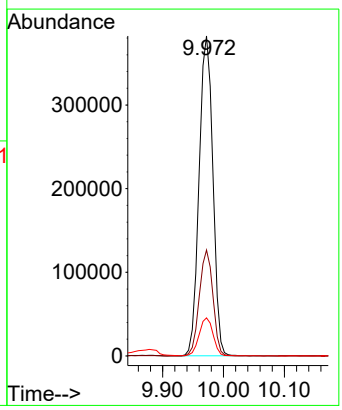
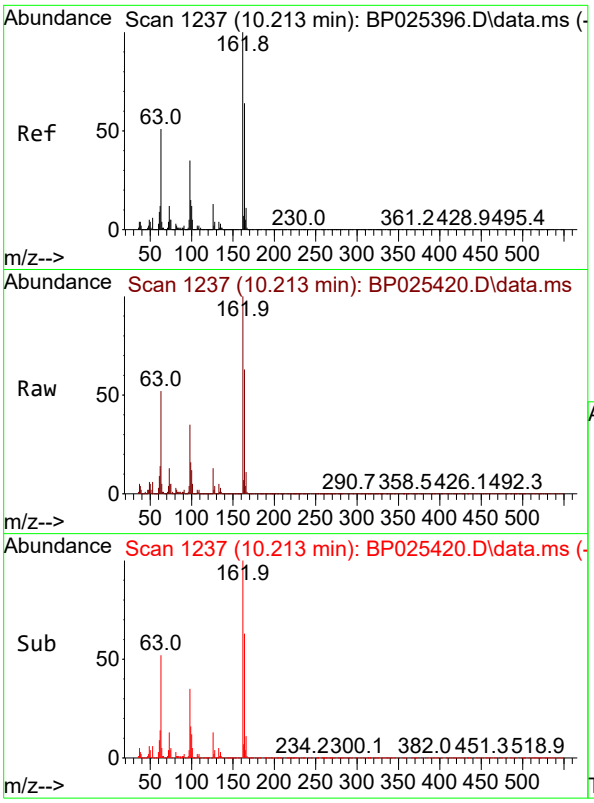


#28
bis(2-Chloroethoxy)methane
Concen: 38.016 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 93 Resp: 600132

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.0
123	11.9	9.4	14.0

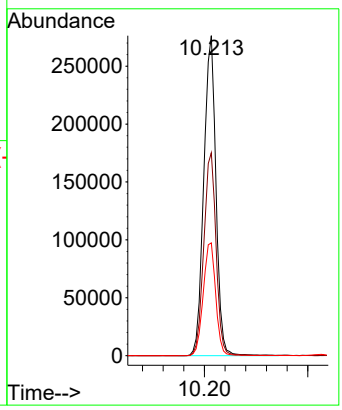




#29
2,4-Dichlorophenol
Concen: 39.074 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:162 Resp: 45179

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.4	84.4
98	35.2	14.9	54.9



Instrument :
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ClientSampleId :
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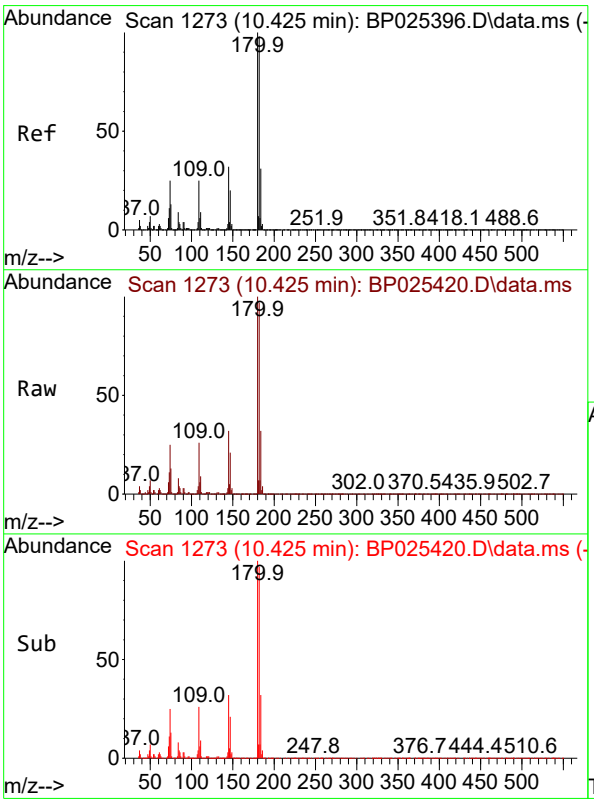
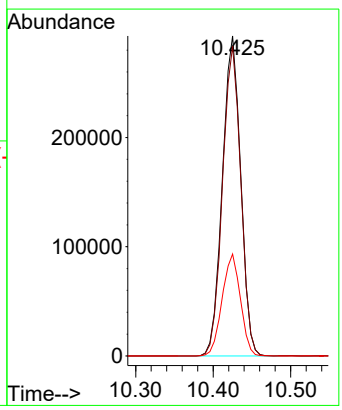
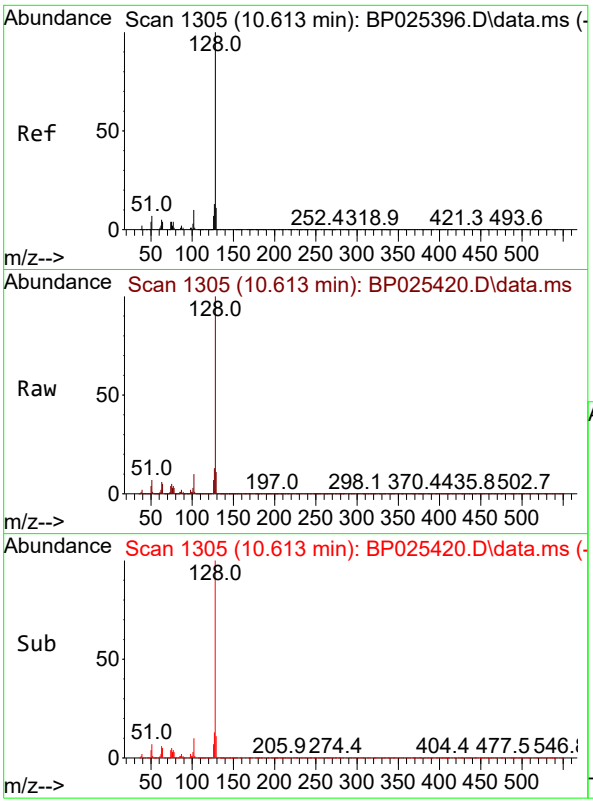


#30
1,2,4-Trichlorobenzene
Concen: 37.976 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:180 Resp: 481348

Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.0	117.0
145	31.9	25.9	38.9

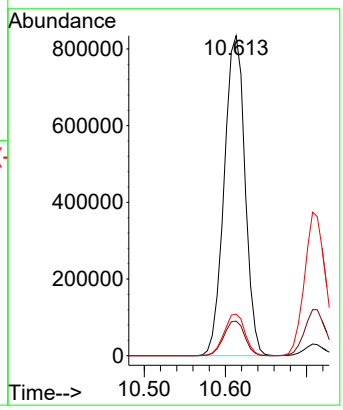




#31
Naphthalene
Concen: 38.297 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:128 Resp: 148587

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.7	16.1



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ClientSampleId :
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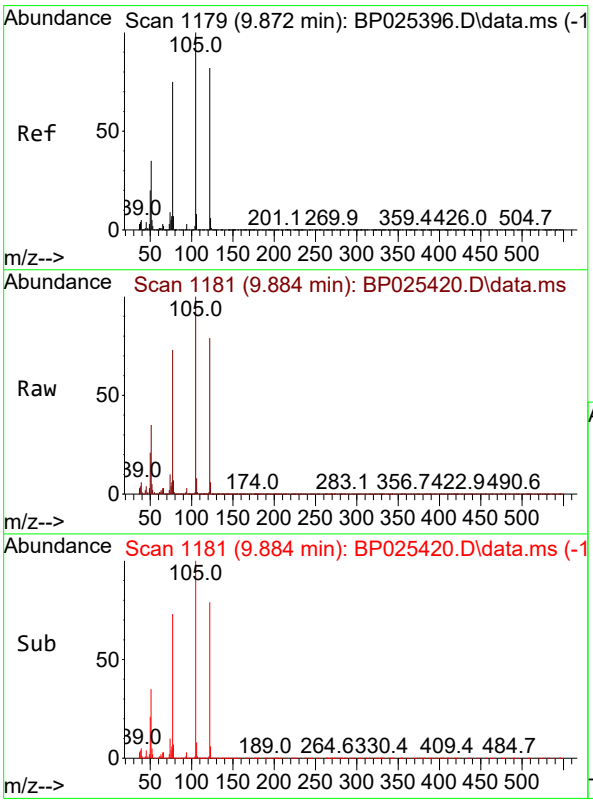
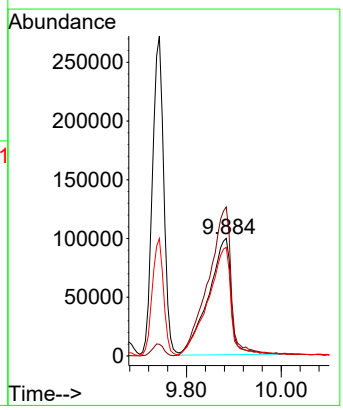
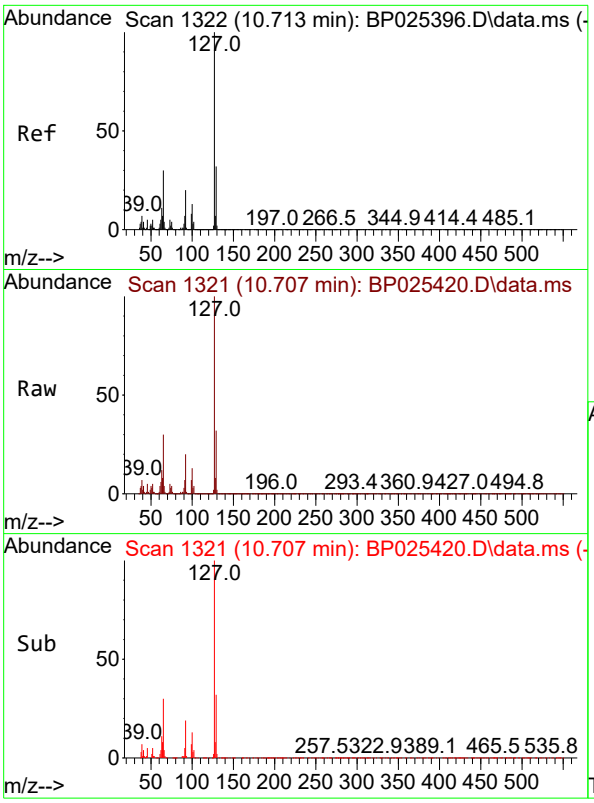


#32
Benzoic acid
Concen: 38.436 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:122 Resp: 330291

Ion	Ratio	Lower	Upper
122	100		
105	126.8	100.6	140.6
77	92.4	71.5	111.5

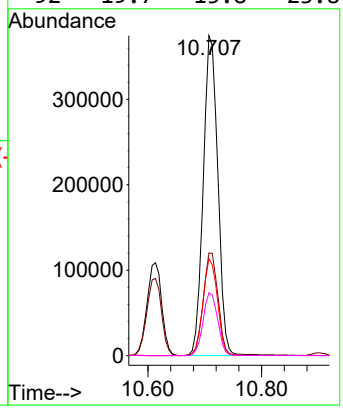




#33
4-Chloroaniline
Concen: 38.946 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:127 Resp: 66745

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.2
65	30.3	23.8	35.6
92	19.7	15.8	23.8



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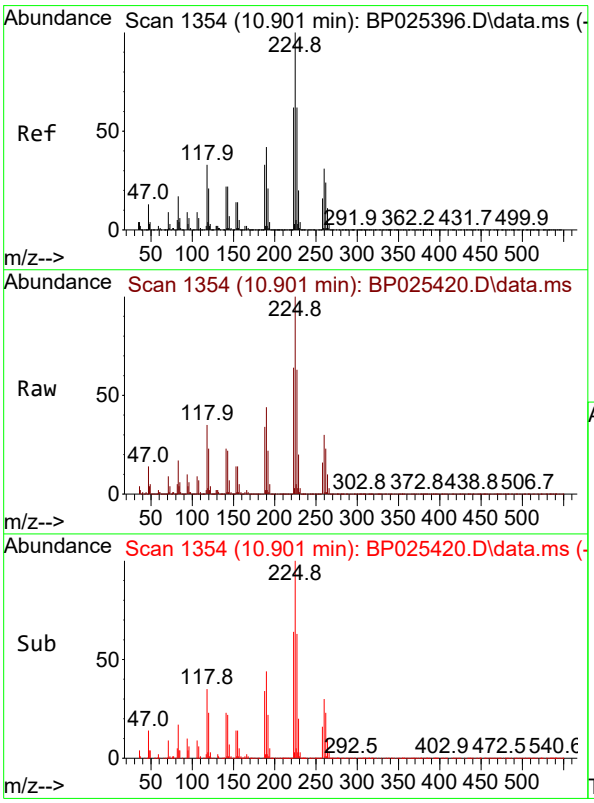
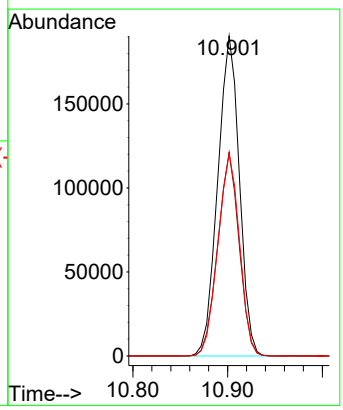
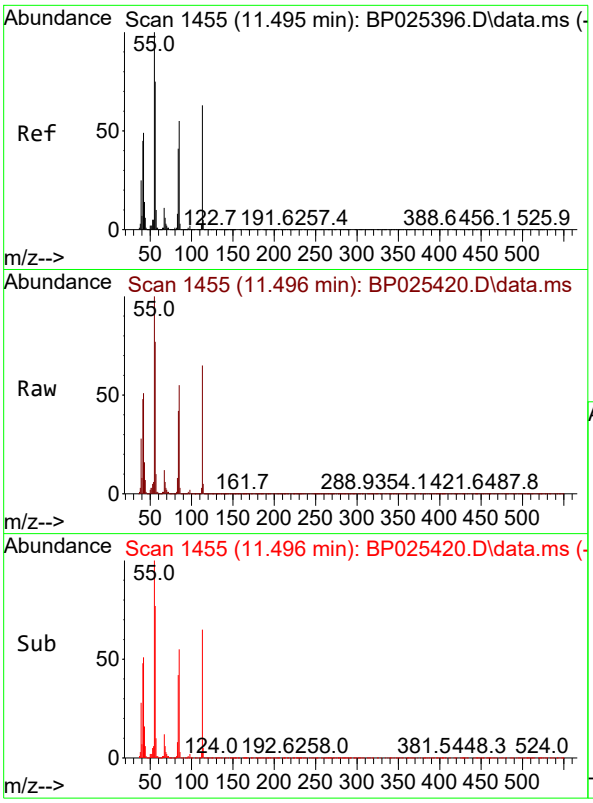


#34
Hexachlorobutadiene
Concen: 38.255 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:225 Resp: 301977

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	63.2	49.7	74.5





#35
Caprolactam
Concen: 38.897 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:113 Resp: 16491

Ion	Ratio	Lower	Upper
113	100		
55	153.5	140.0	180.0
56	118.2	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
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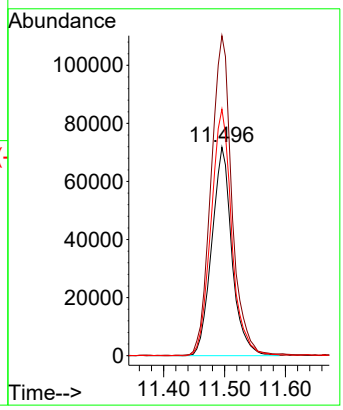
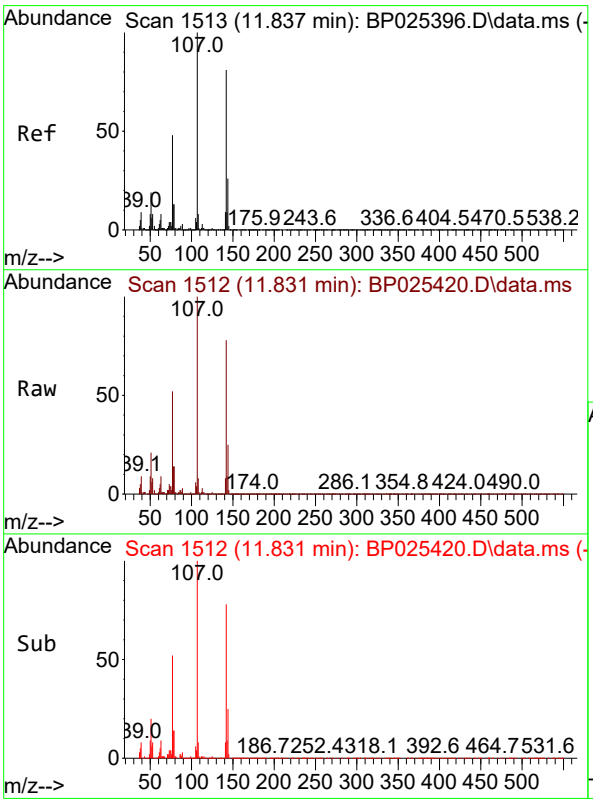
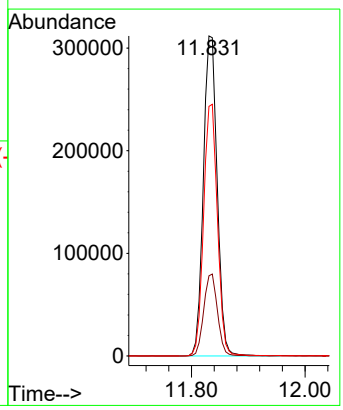


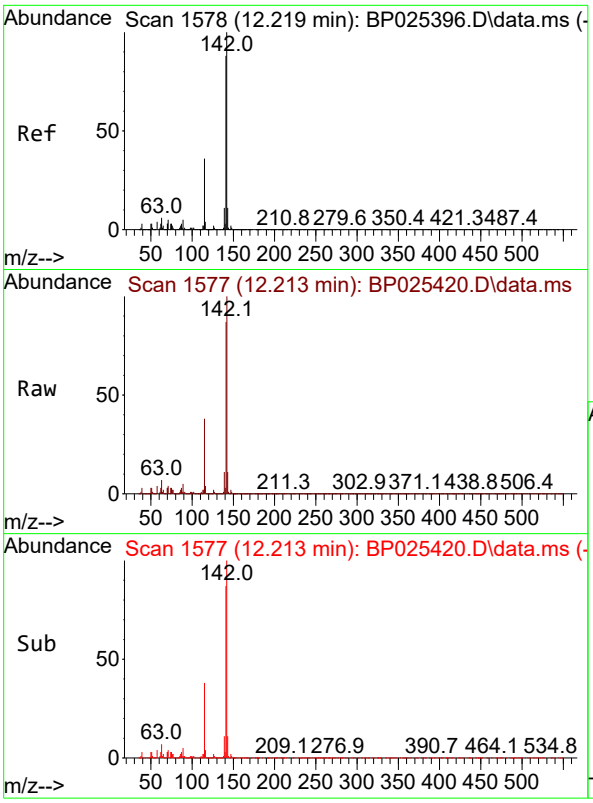


#36
4-Chloro-3-methylphenol
Concen: 39.556 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:107 Resp: 524817

Ion	Ratio	Lower	Upper
107	100		
144	25.1	21.0	31.4
142	78.0	64.6	97.0

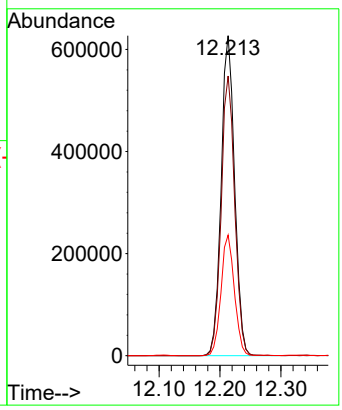




#37
2-Methylnaphthalene
Concen: 38.127 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:142 Resp: 96267

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.3	105.5
115	37.7	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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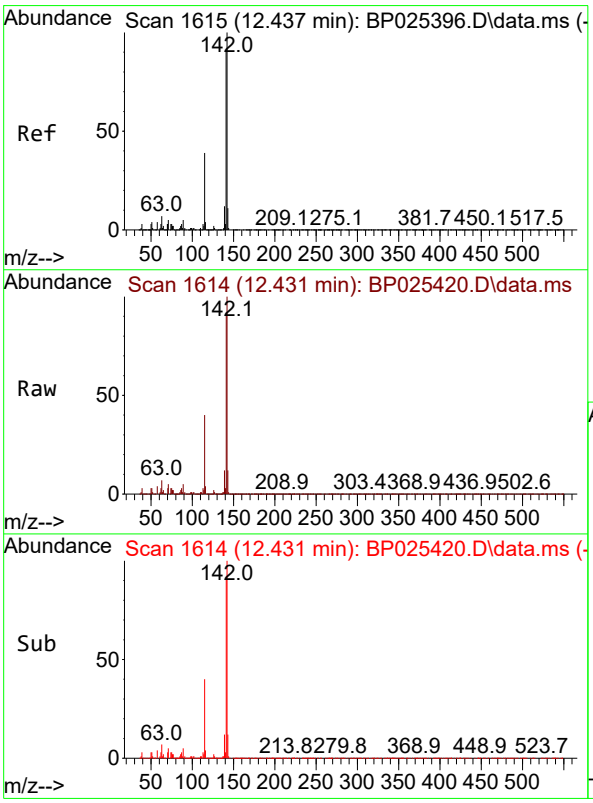
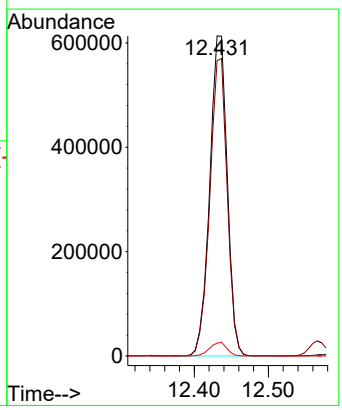
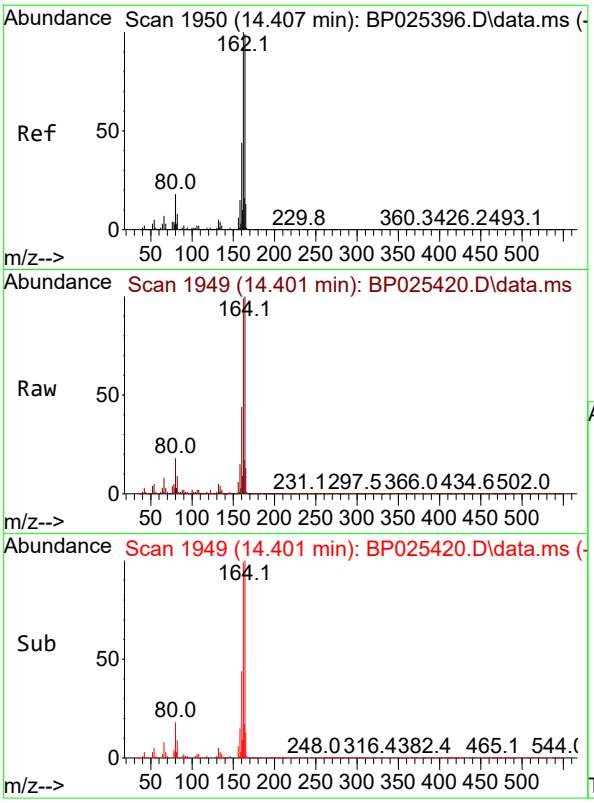


#38
1-Methylnaphthalene
Concen: 37.519 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:142 Resp: 1007418

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7
116	4.0	3.2	4.8

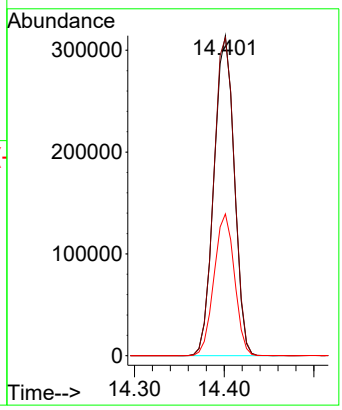




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:164 Resp: 49416

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.0	121.6
160	44.3	35.4	53.2



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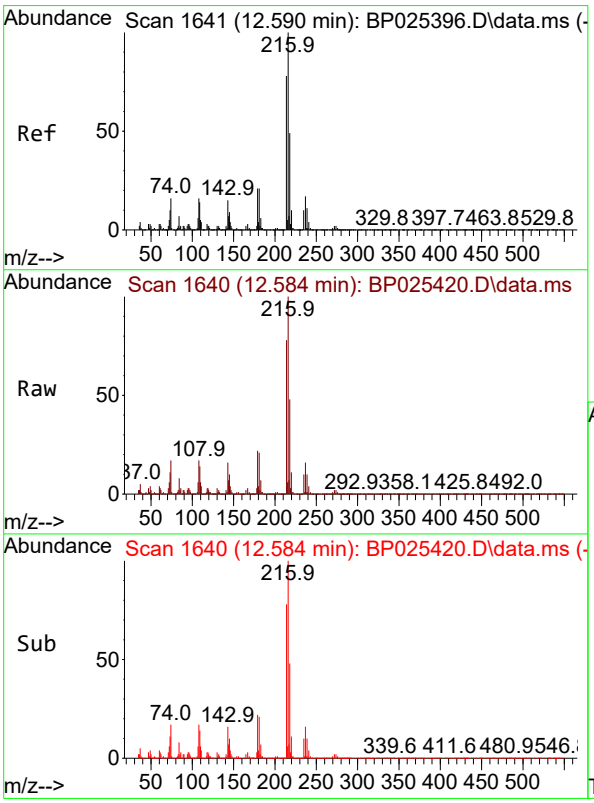
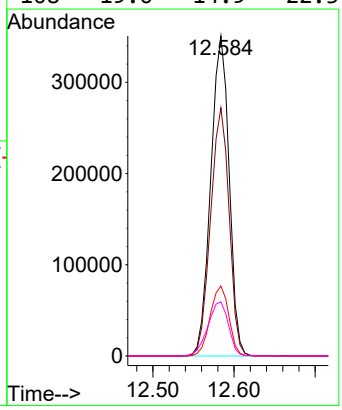
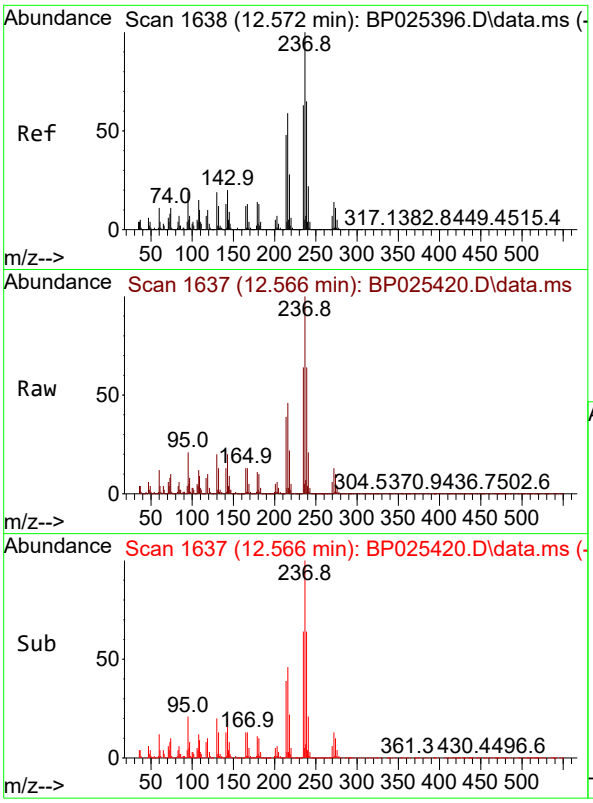


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.637 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:216 Resp: 551420

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.2	17.1	25.7
108	19.0	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 40.361 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:237 Resp: 34794

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.7	82.7
272	13.5	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
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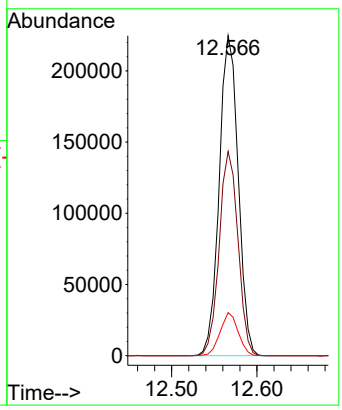
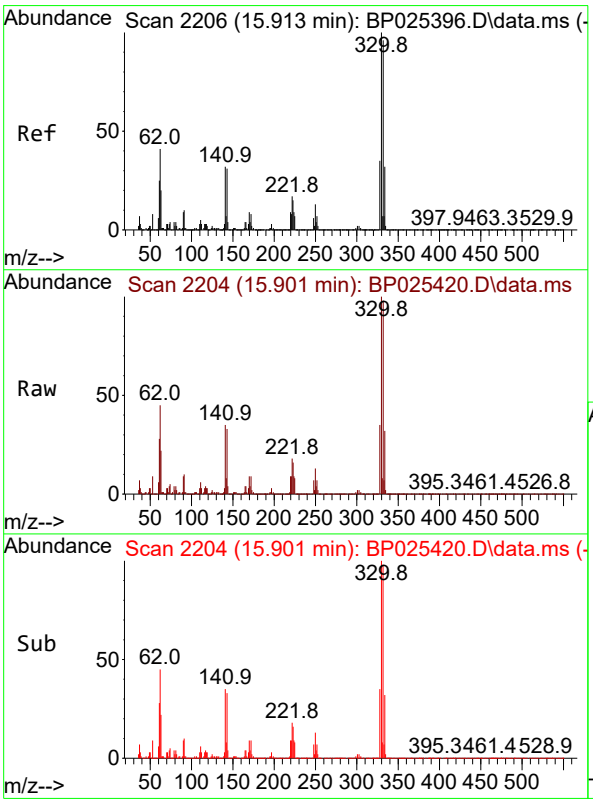
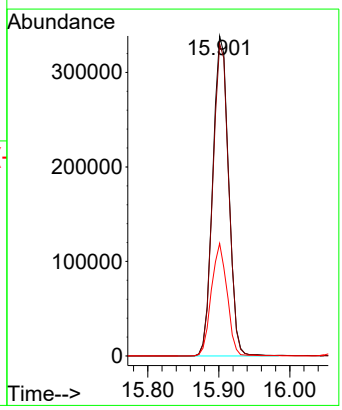


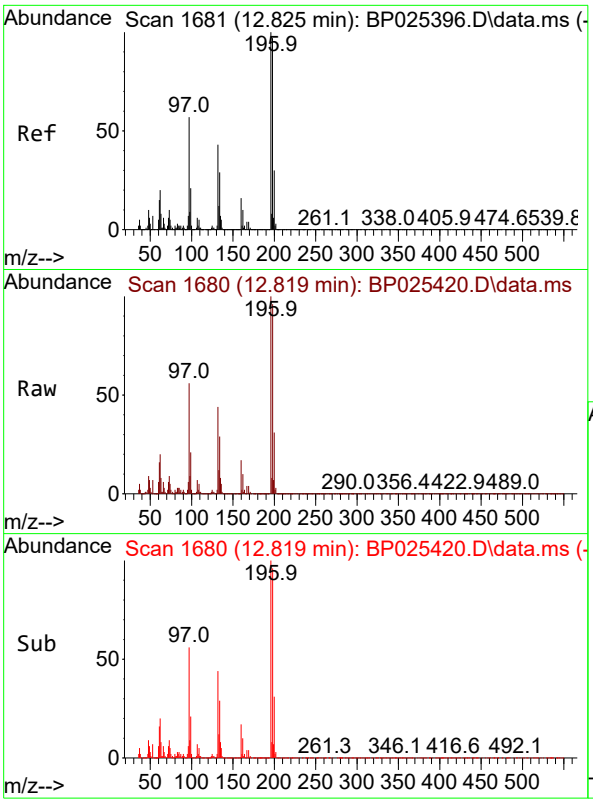


#42
2,4,6-Tribromophenol
Concen: 78.813 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:330 Resp: 524221

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	34.9	26.6	39.8

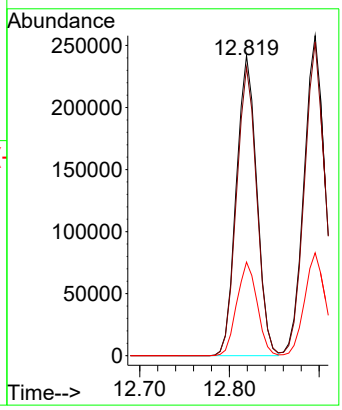




#43
2,4,6-Trichlorophenol
Concen: 39.699 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:196 Resp: 38251

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.2	115.8
200	31.2	23.9	35.9



Instrument :
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ClientSampleId :
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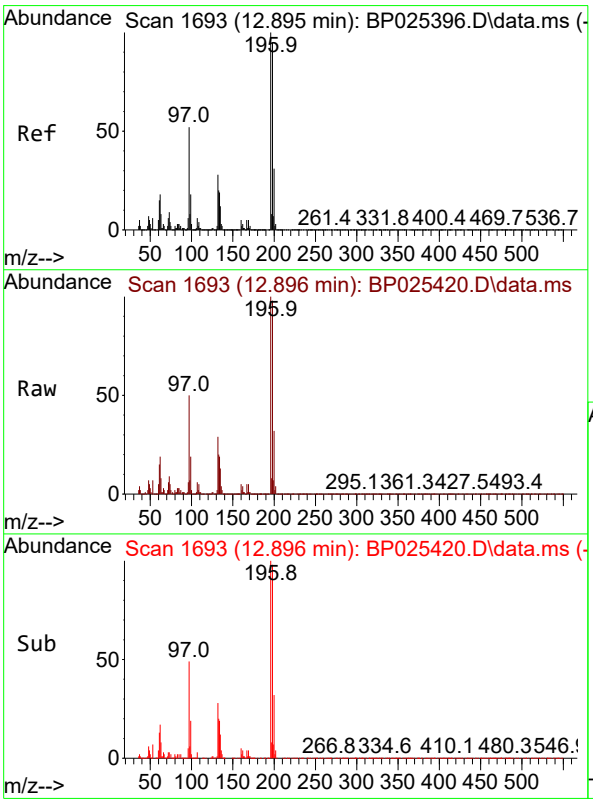
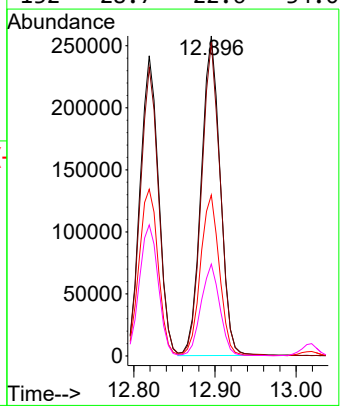
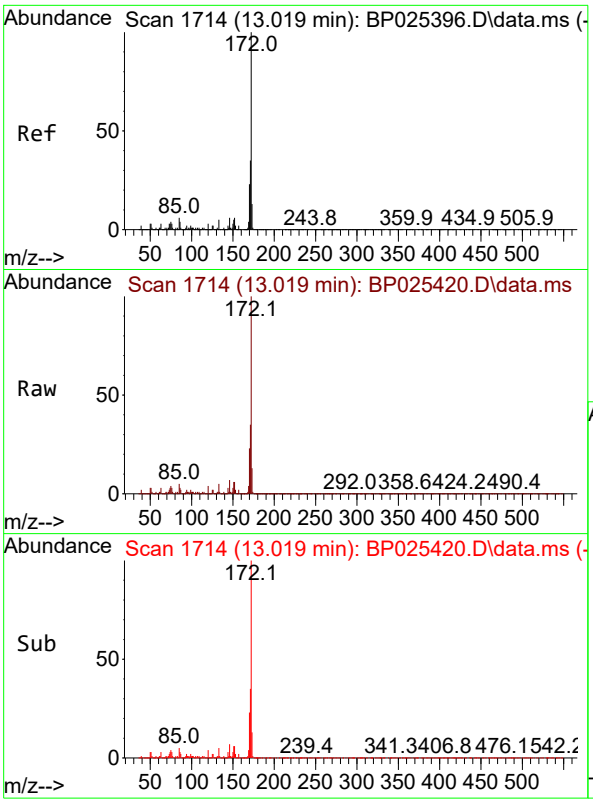


#44
2,4,5-Trichlorophenol
Concen: 39.629 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:196 Resp: 418478

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.2	114.2
97	50.3	41.2	61.8
132	28.7	22.6	34.0

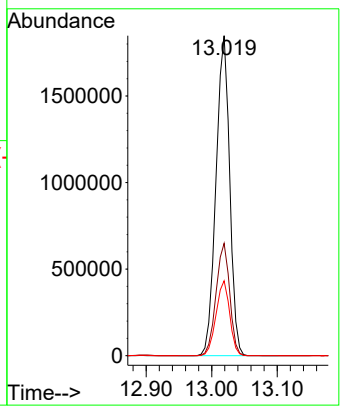




#45
2-Fluorobiphenyl
Concen: 73.679 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:172 Resp: 266408

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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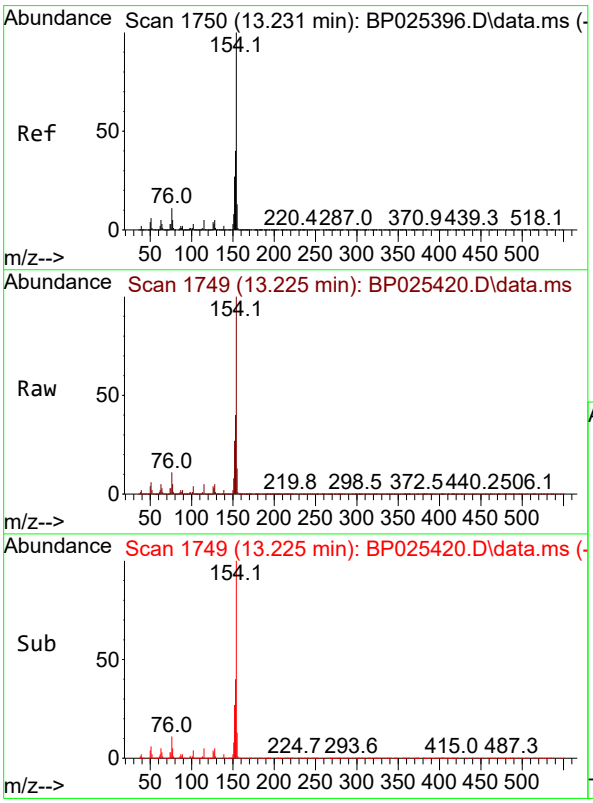
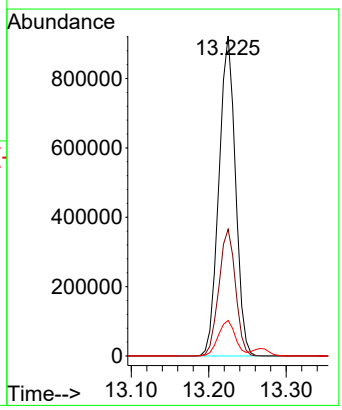
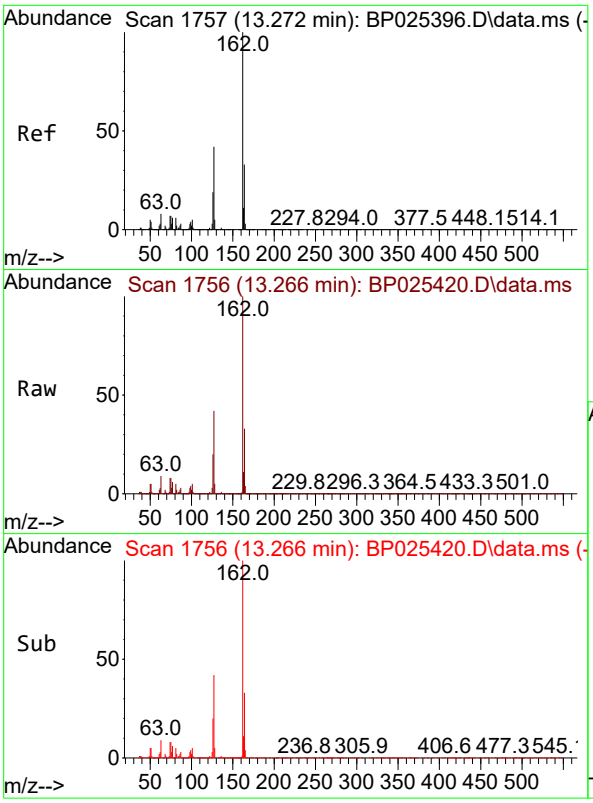


#46
1,1'-Biphenyl
Concen: 38.115 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:154 Resp: 1367904

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.5	59.5
76	11.1	0.0	31.1

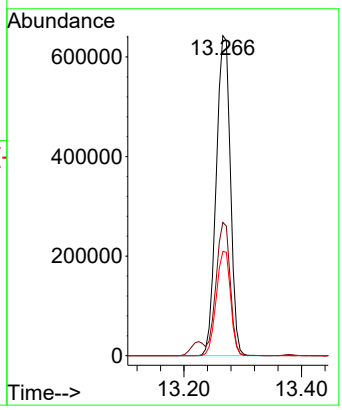




#47
2-Chloronaphthalene
Concen: 38.467 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:162 Resp: 107474

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	32.6	26.2	39.2



Instrument :
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ClientSampleId :
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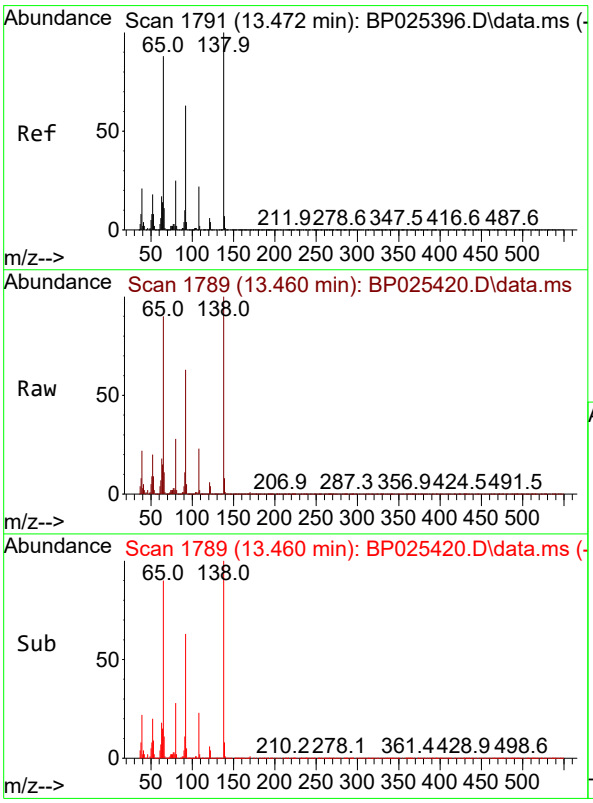
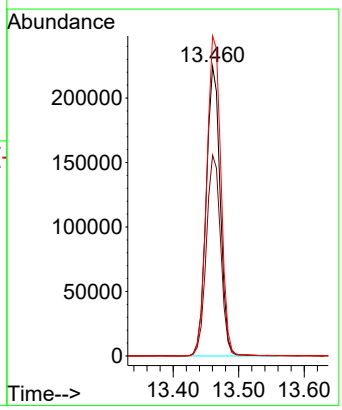
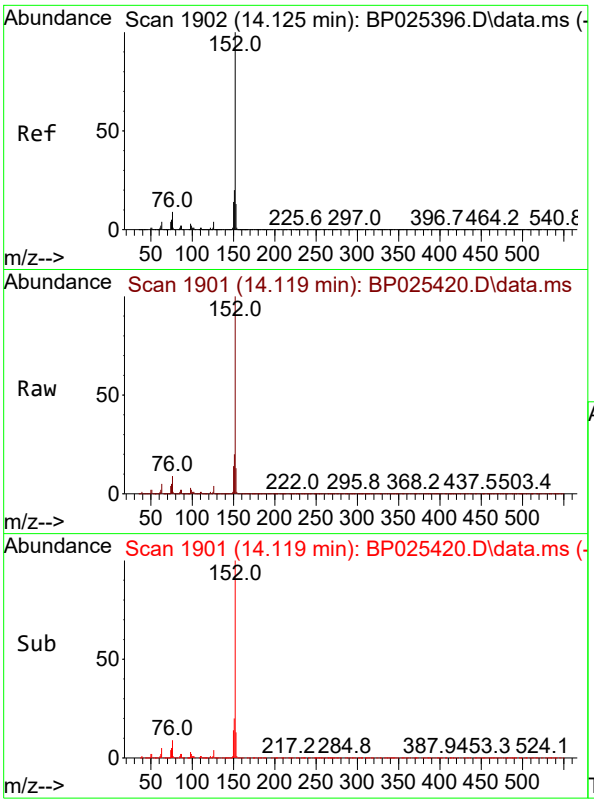


#48
2-Nitroaniline
Concen: 41.005 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 65 Resp: 333818

Ion	Ratio	Lower	Upper
65	100		
92	69.3	57.6	86.4
138	110.5	91.0	136.6

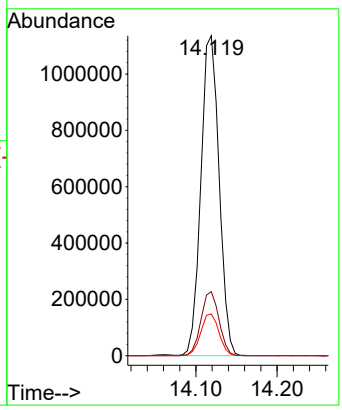




#49
Acenaphthylene
Concen: 38.223 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:152 Resp: 176712

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.6	15.8



Instrument :
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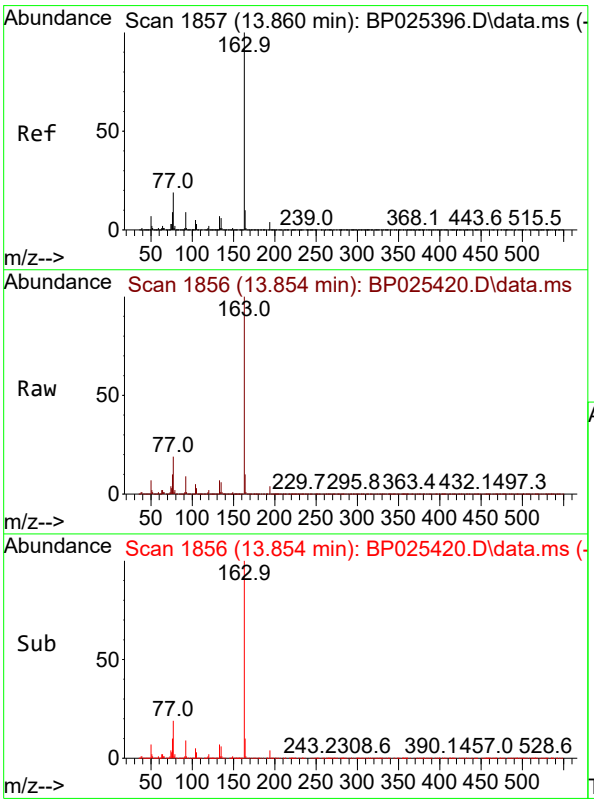
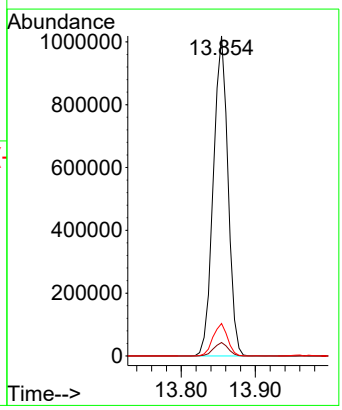
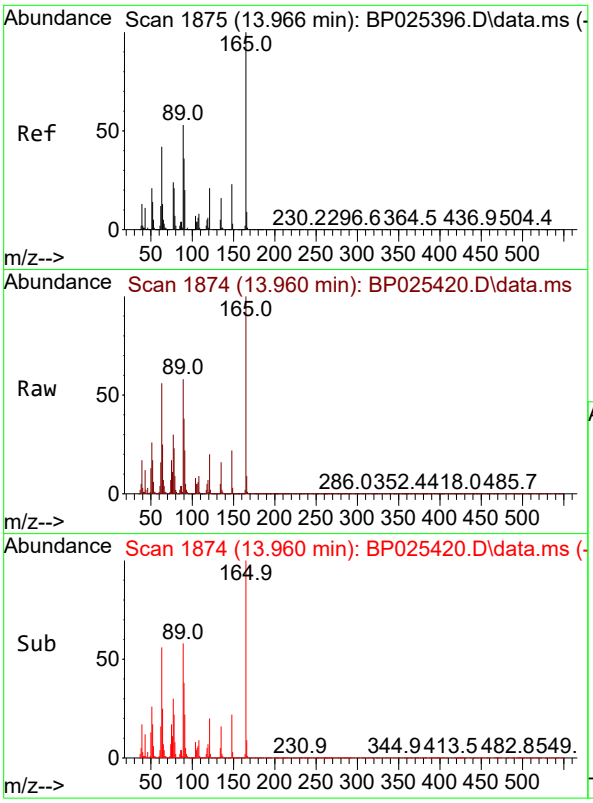


#50
Dimethylphthalate
Concen: 38.552 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:163 Resp: 1395088

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 40.066 ng
RT: 13.960 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:165 Resp: 30559

Ion	Ratio	Lower	Upper
165	100		
63	55.8	40.9	61.3
89	57.7	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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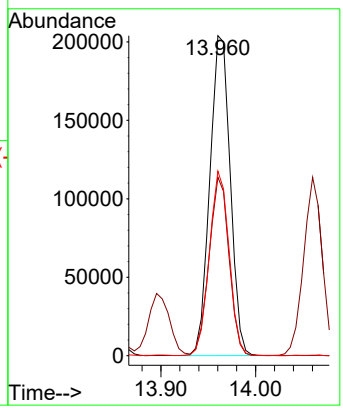
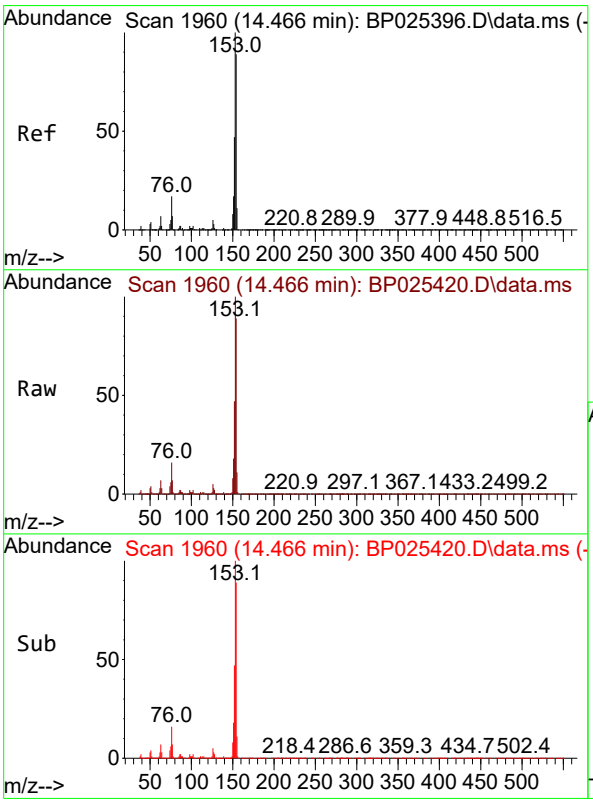
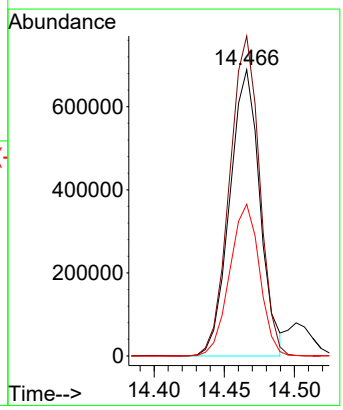


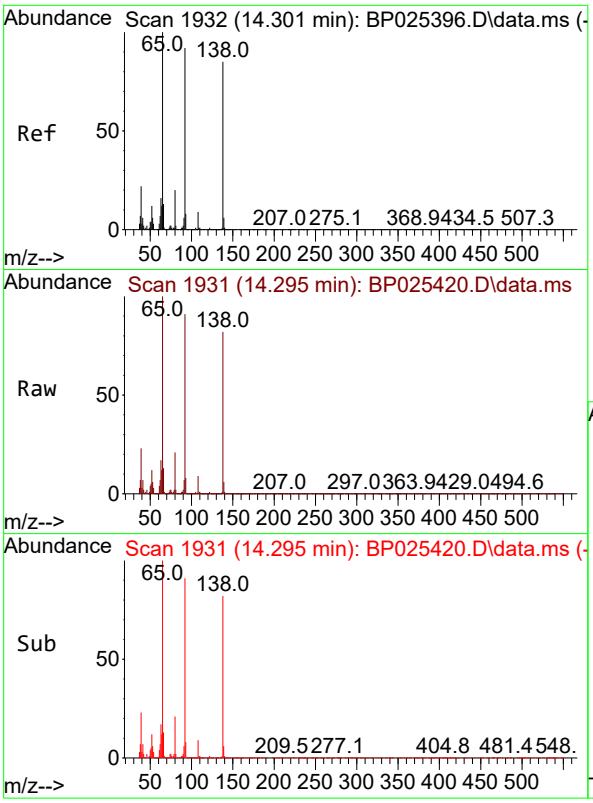


#52
Acenaphthene
Concen: 38.043 ng m
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:154 Resp: 1032372

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	53.0	42.1	63.1





#53
3-Nitroaniline
Concen: 40.343 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:138 Resp: 34619

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	111.2	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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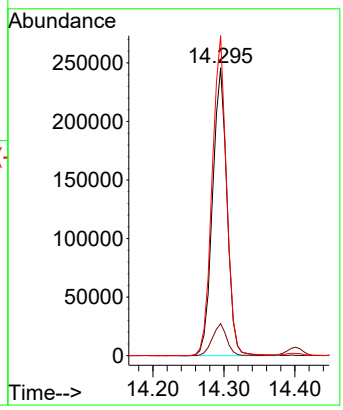
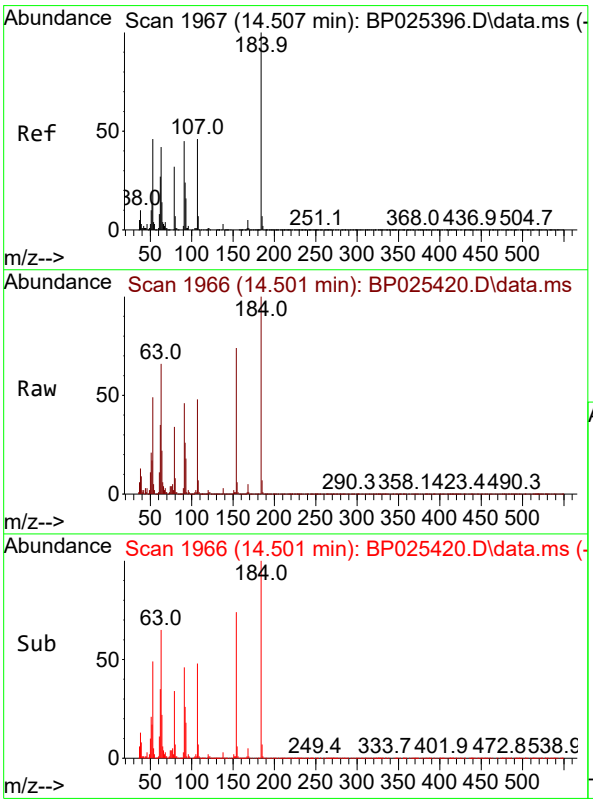
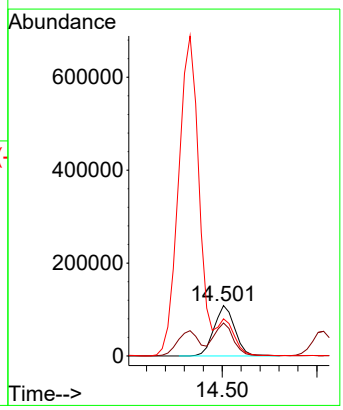


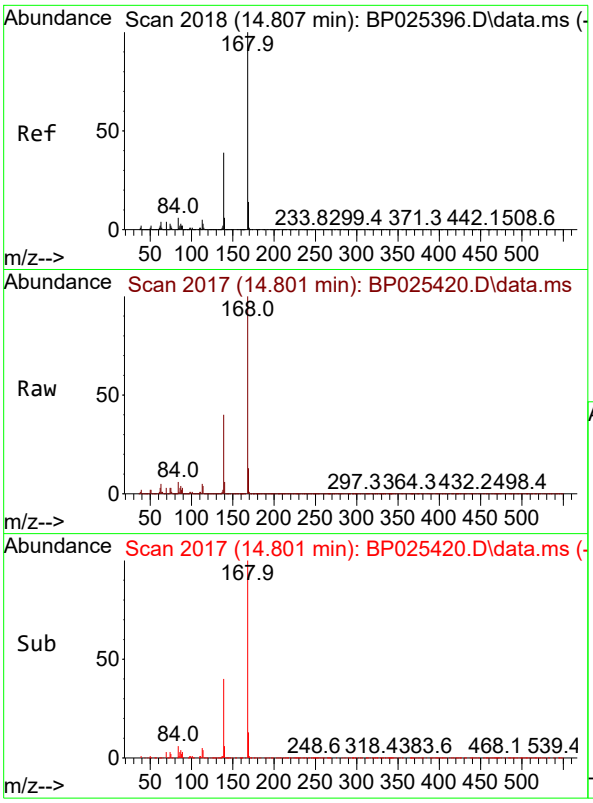


#54
2,4-Dinitrophenol
Concen: 40.617 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:184 Resp: 165440

Ion	Ratio	Lower	Upper
184	100		
63	65.6	49.4	74.2
154	73.7	54.6	82.0

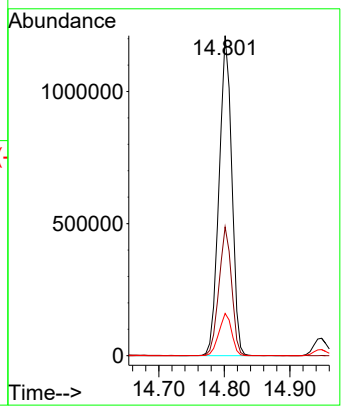




#55
Dibenzofuran
Concen: 37.952 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:168 Resp: 162827

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.5	47.3
169	13.2	10.9	16.3



Instrument :
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ClientSampleId :
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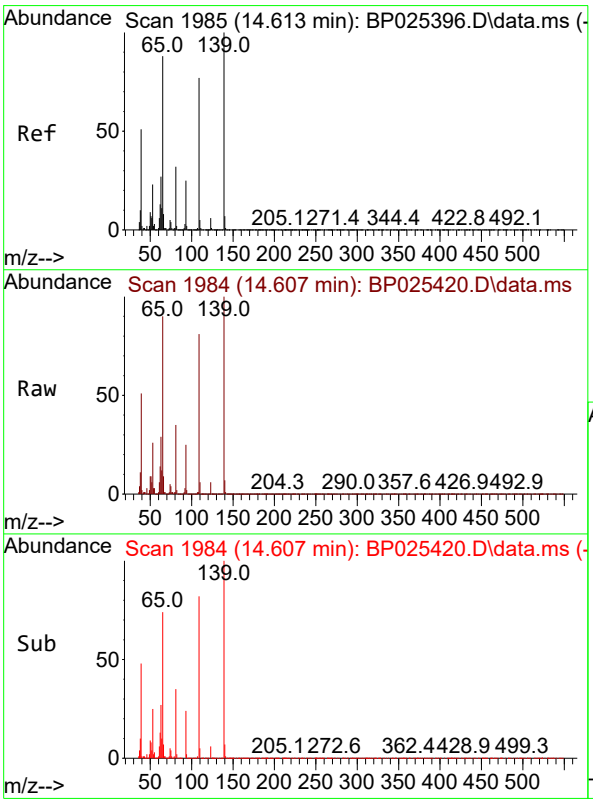
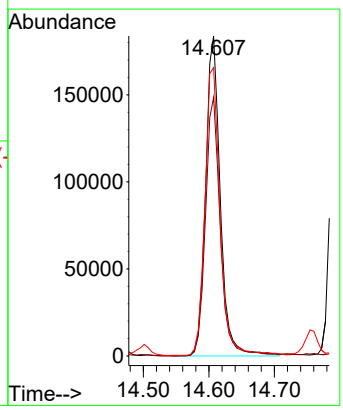
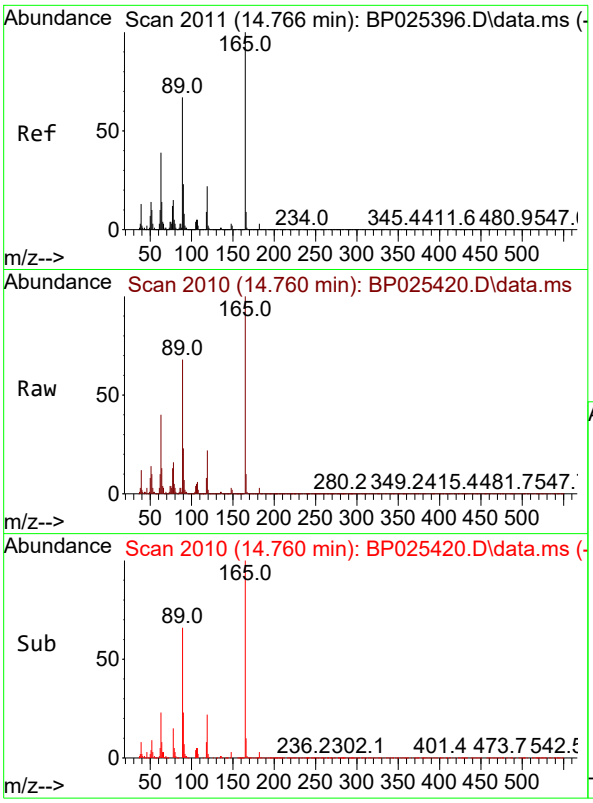


#56
4-Nitrophenol
Concen: 40.562 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:139 Resp: 286024

Ion	Ratio	Lower	Upper
139	100		
109	80.8	56.6	96.6
65	90.1	68.2	108.2

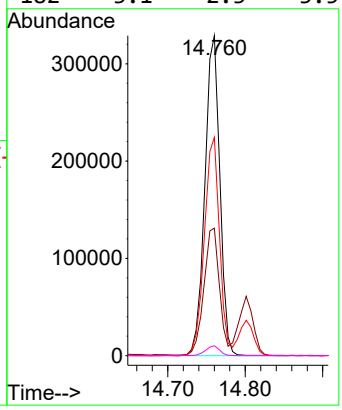




#57
2,4-Dinitrotoluene
Concen: 40.534 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:165 Resp: 44109

Ion	Ratio	Lower	Upper
165	100		
63	39.9	31.4	47.2
89	68.2	53.3	79.9
182	3.1	2.3	3.5



Instrument :
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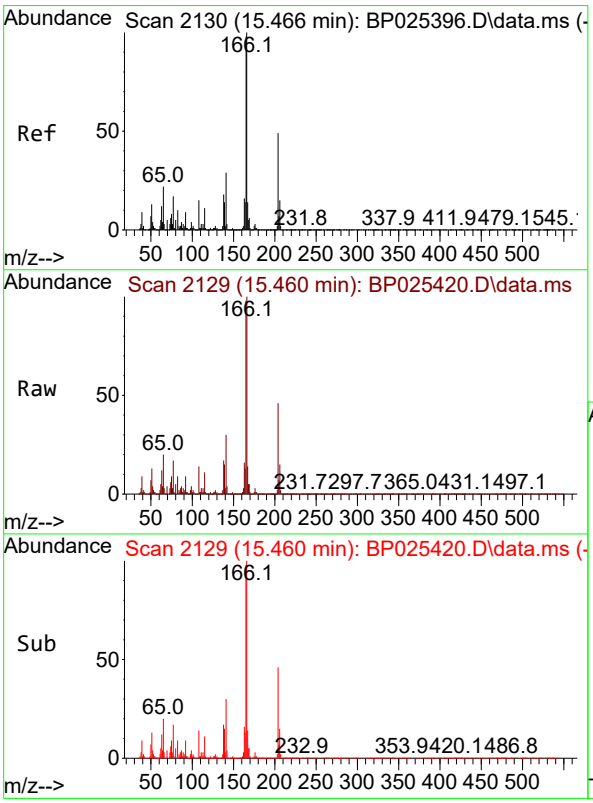
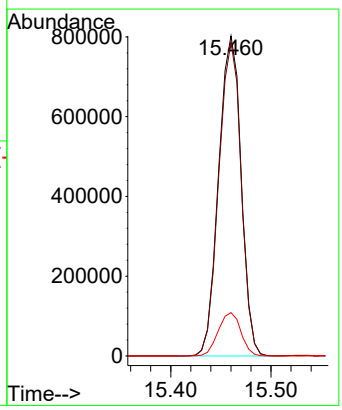
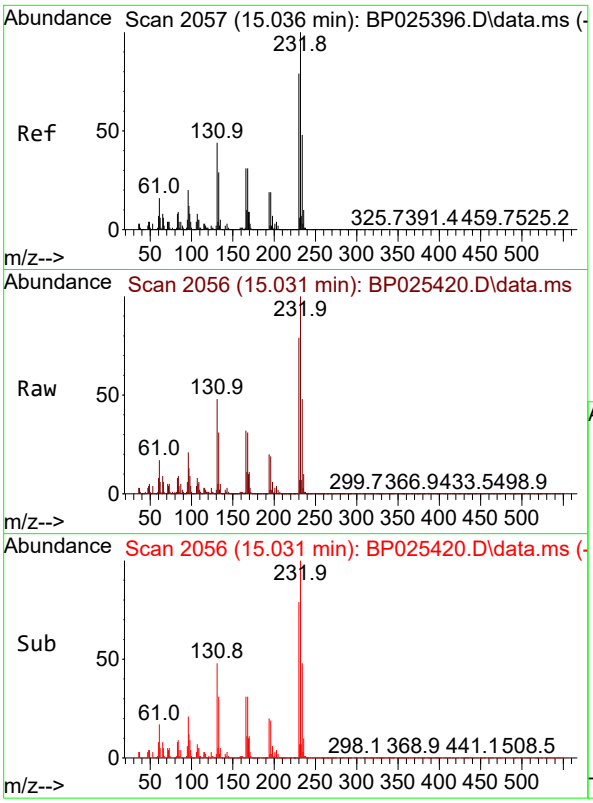


#58
Fluorene
Concen: 36.892 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:166 Resp: 1248927

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4

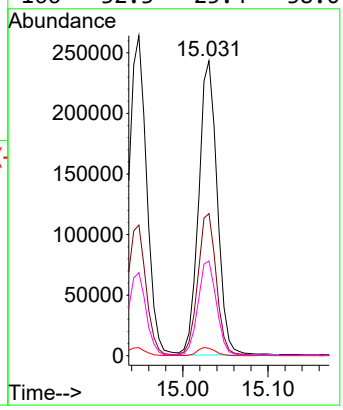




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.265 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:232 Resp: 36611

Ion	Ratio	Lower	Upper
232	100		
131	48.1	37.0	55.6
130	2.6	1.9	2.9
166	32.3	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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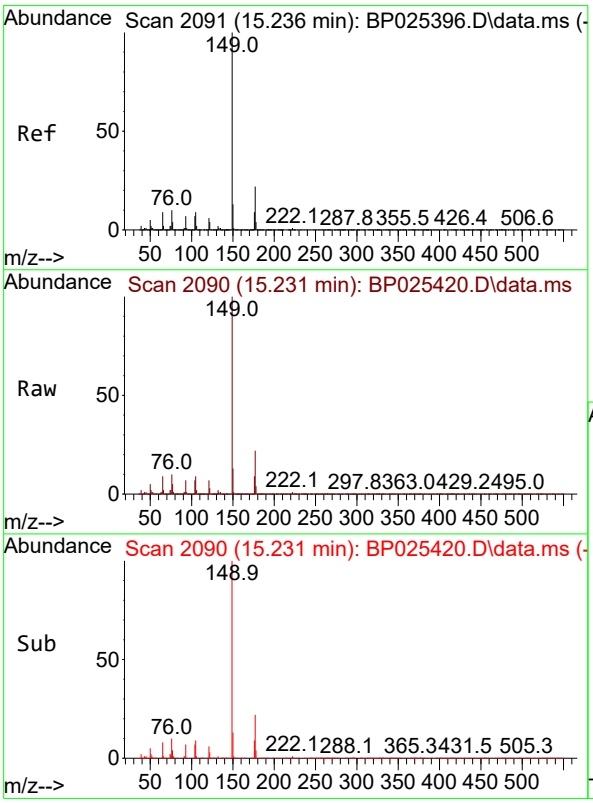
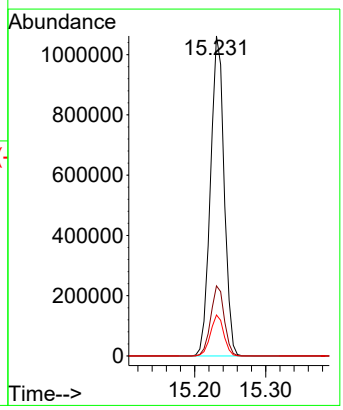
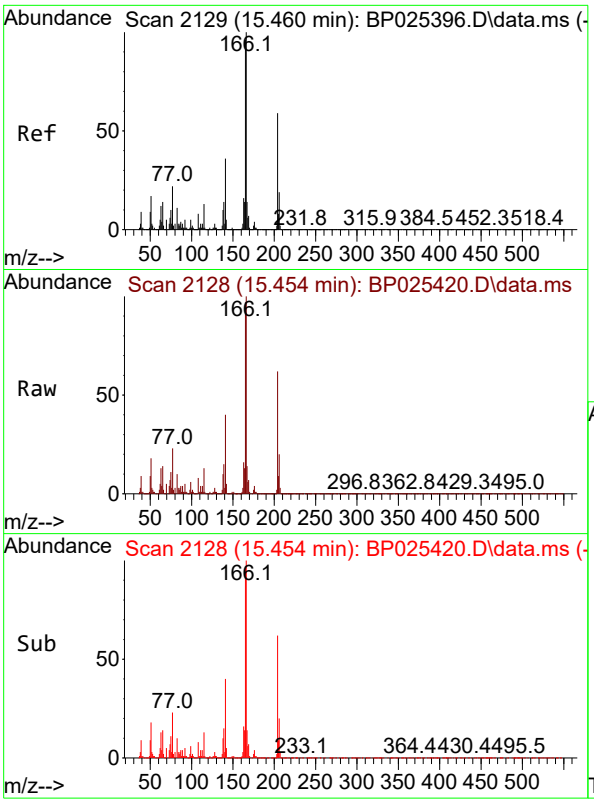


#60
Diethylphthalate
Concen: 38.557 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1417722

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.659 ng
RT: 15.454 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:204 Resp: 61722

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.8
141	64.8	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
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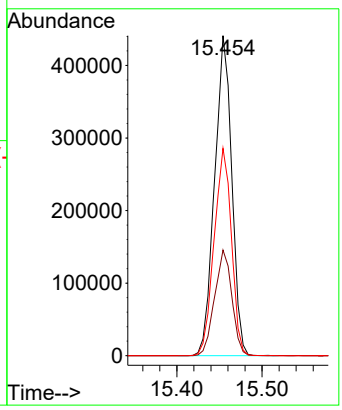
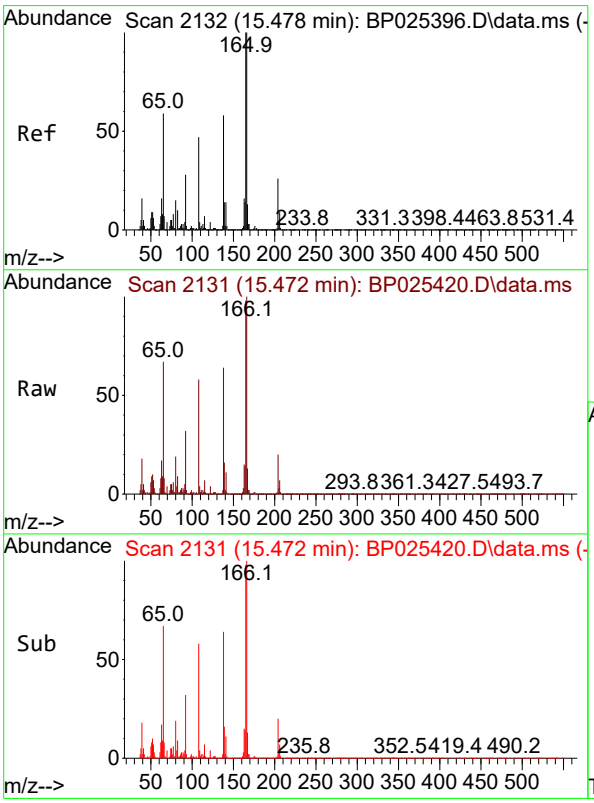
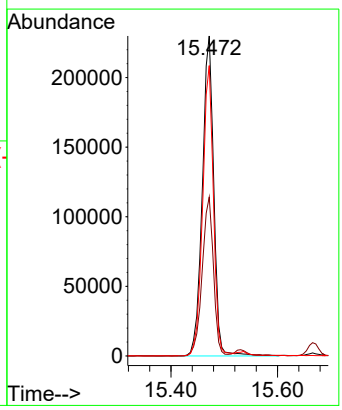


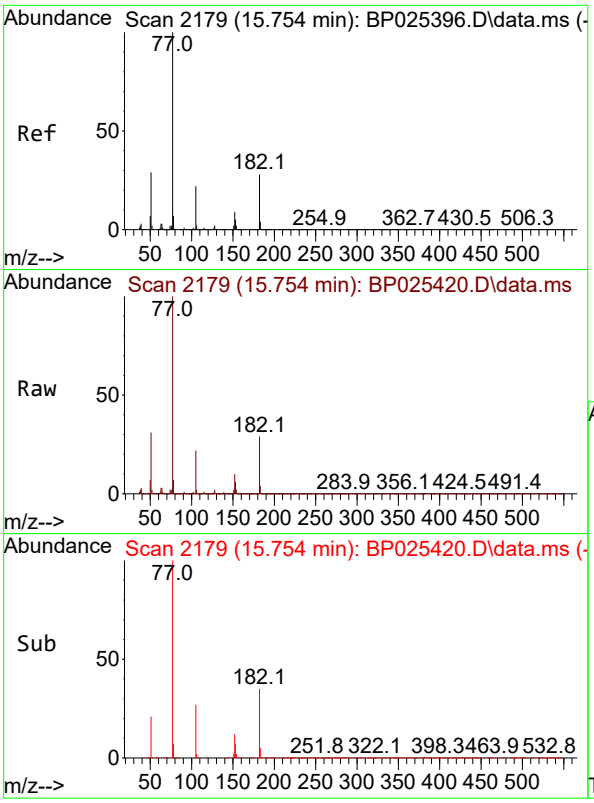


#62
4-Nitroaniline
Concen: 39.020 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:138 Resp: 343275

Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.1	69.1
108	90.8	61.5	101.5

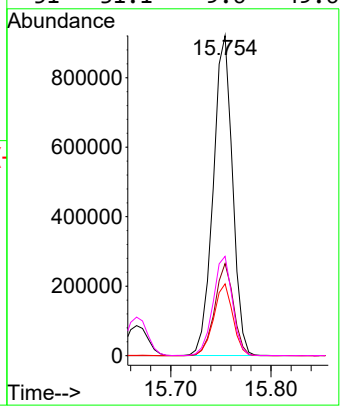




#63
Azobenzene
Concen: 38.996 ng
RT: 15.754 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 77 Resp: 122777

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.5	47.5
105	22.4	2.1	42.1
51	31.1	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
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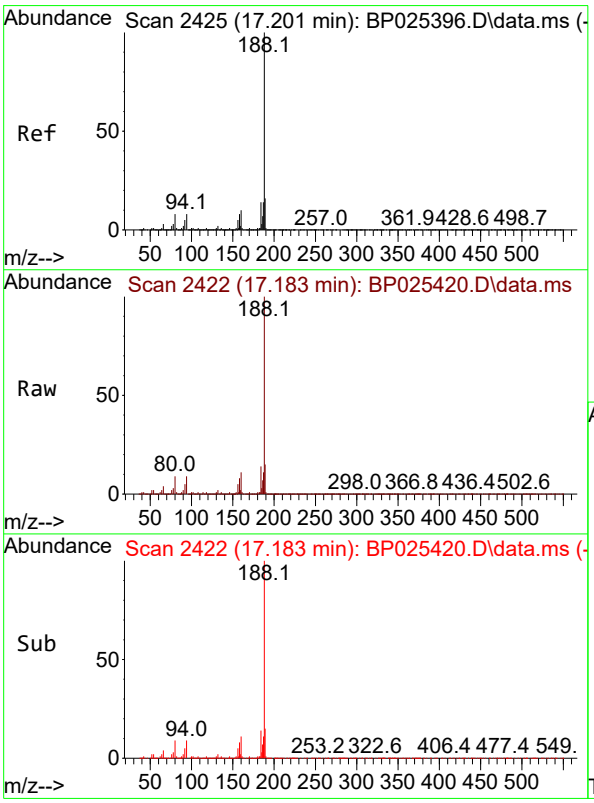
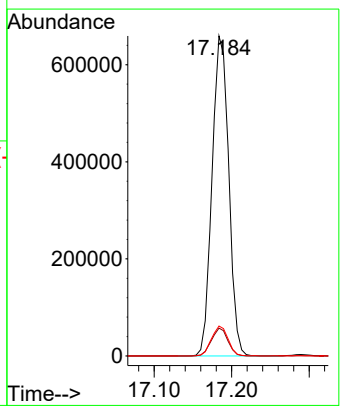
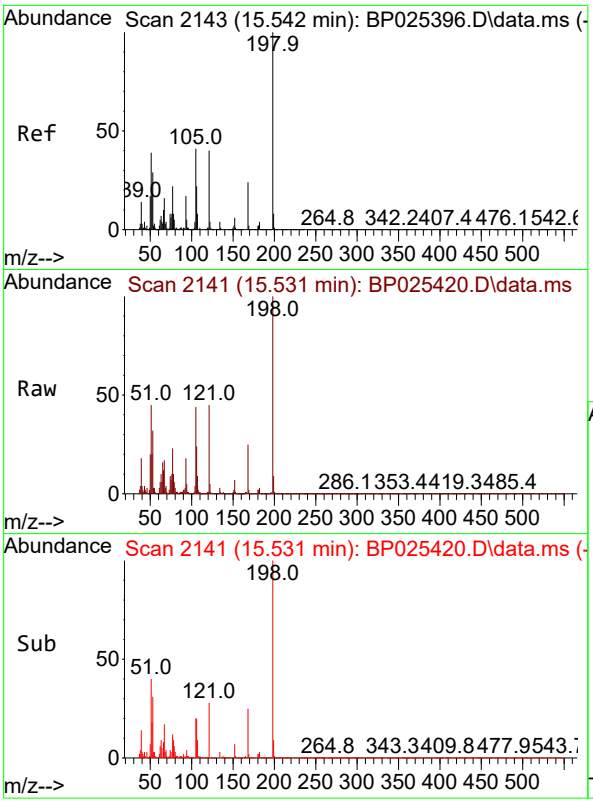


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:188 Resp: 985019

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	6.7	10.1

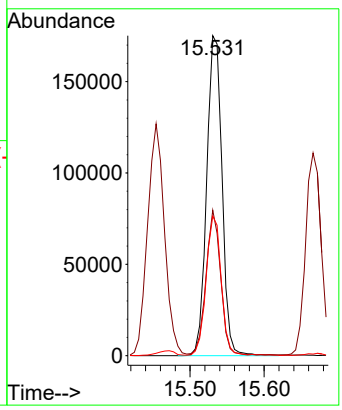




#65
4,6-Dinitro-2-methylphenol
Concen: 41.054 ng
RT: 15.531 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:198 Resp: 25208

Ion	Ratio	Lower	Upper
198	100		
51	45.5	19.6	59.6
105	43.6	20.9	60.9



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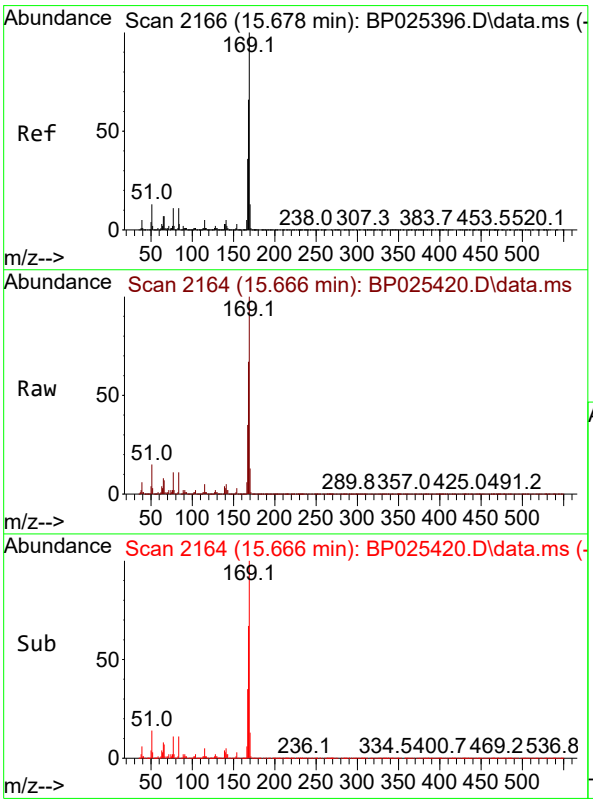
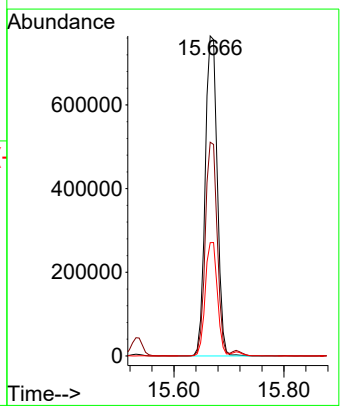
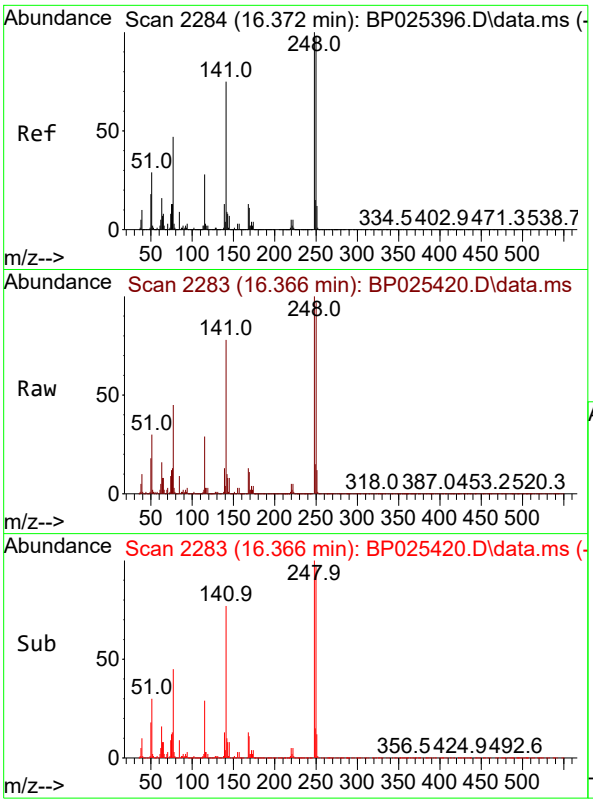


#66
n-Nitrosodiphenylamine
Concen: 38.590 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:169 Resp: 1159140

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	35.4	28.7	43.1

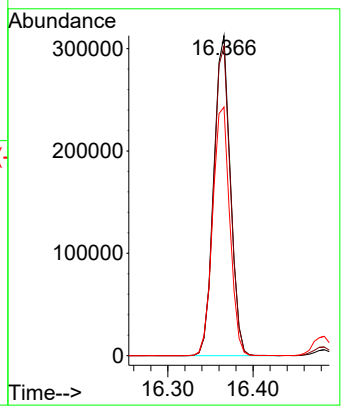




#67
4-Bromophenyl-phenylether
Concen: 39.149 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:248 Resp: 42411

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	77.7	59.6	89.4



Instrument :
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ClientSampleId :
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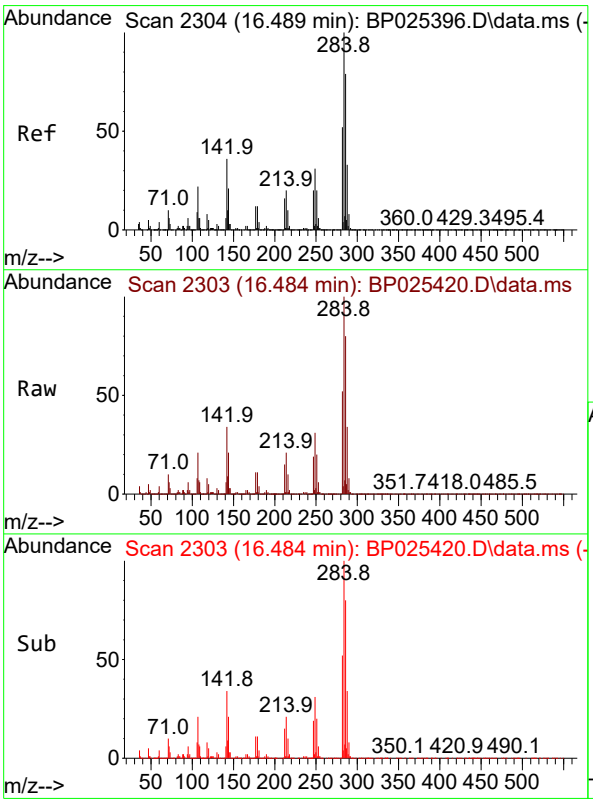
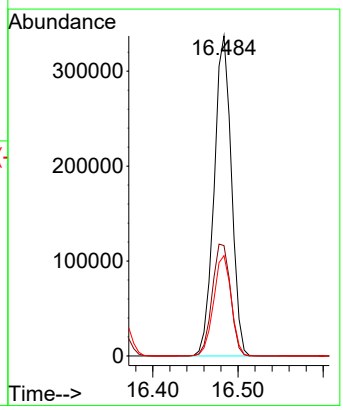
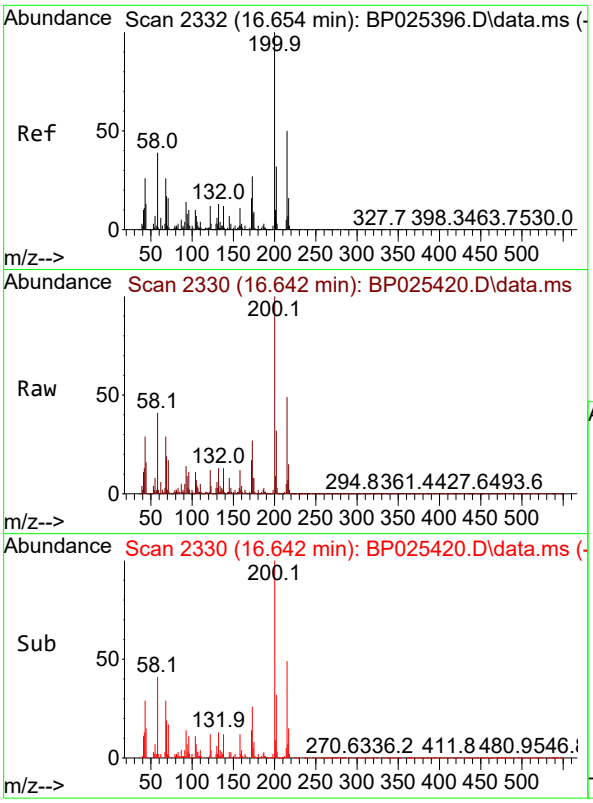


#68
Hexachlorobenzene
Concen: 37.871 ng
RT: 16.484 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:284 Resp: 475586

Ion	Ratio	Lower	Upper
284	100		
142	34.5	29.1	43.7
249	31.4	25.0	37.4

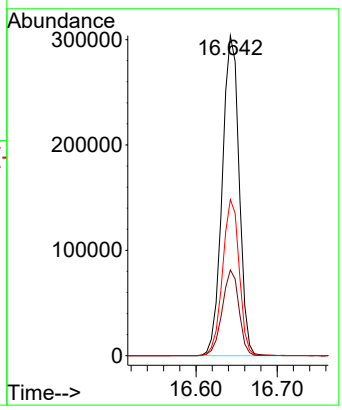




#69
Atrazine
Concen: 39.100 ng
RT: 16.642 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:200 Resp: 43983

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.7	46.7
215	48.8	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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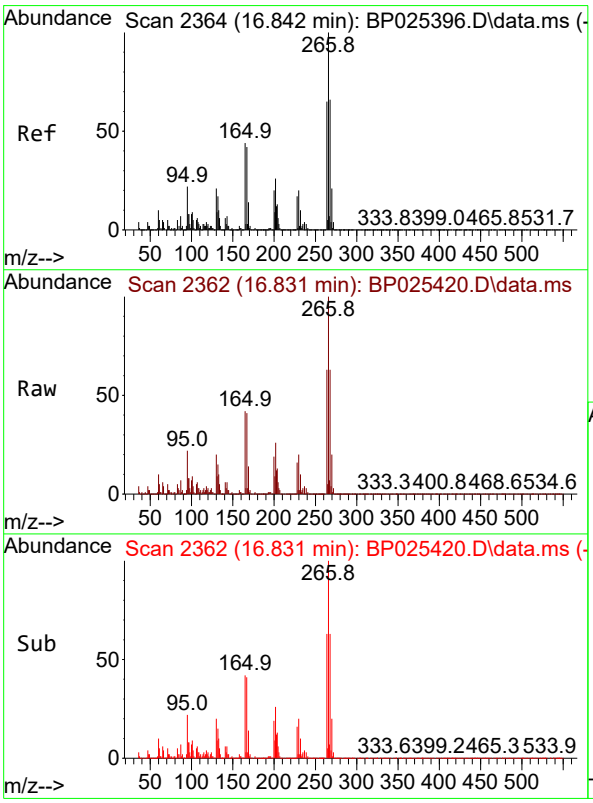
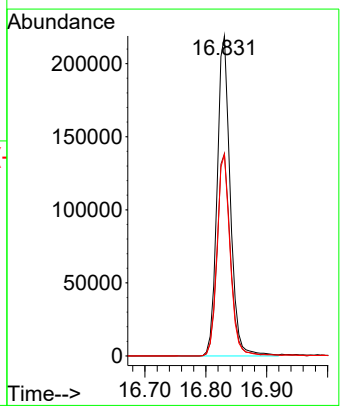
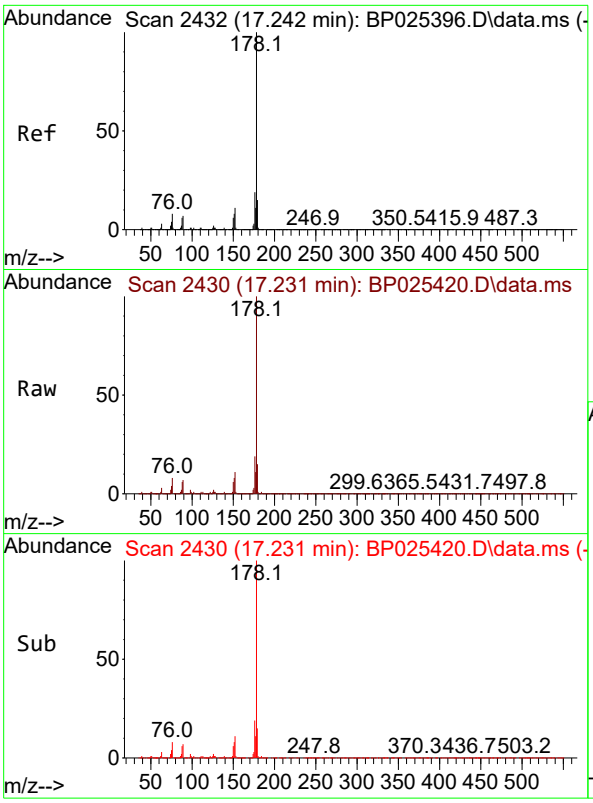


#70
Pentachlorophenol
Concen: 41.143 ng
RT: 16.831 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:266 Resp: 326152

Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.6	79.0
264	63.0	52.0	78.0

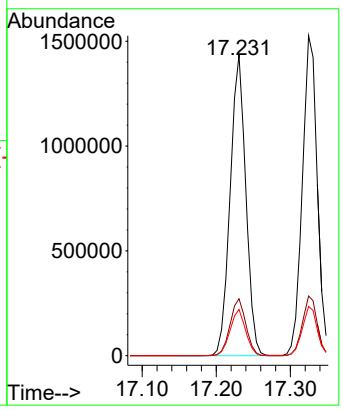




#71
Phenanthrene
Concen: 38.868 ng
RT: 17.231 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:178 Resp: 210313

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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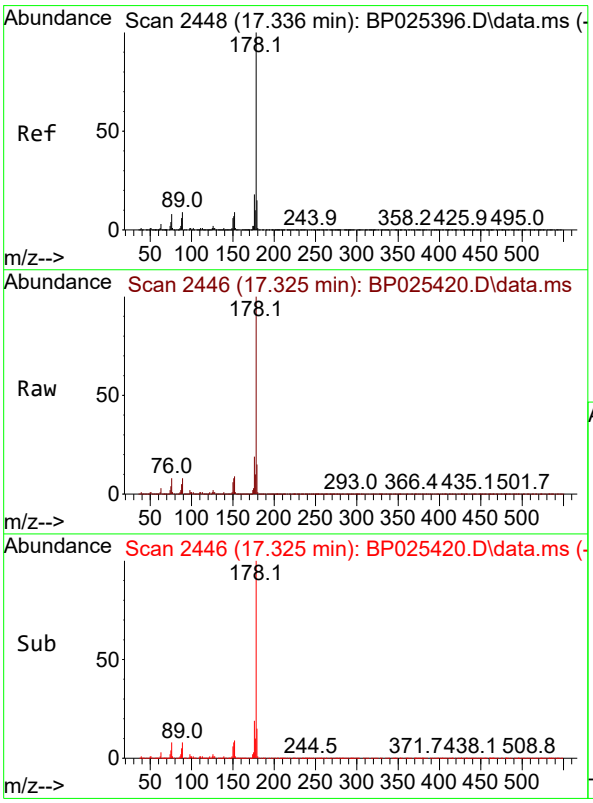
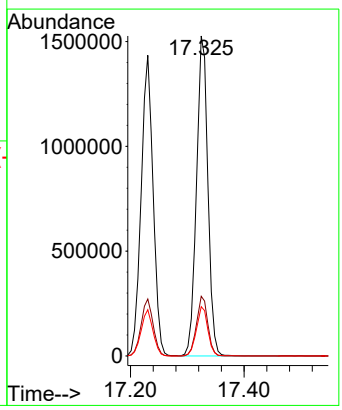
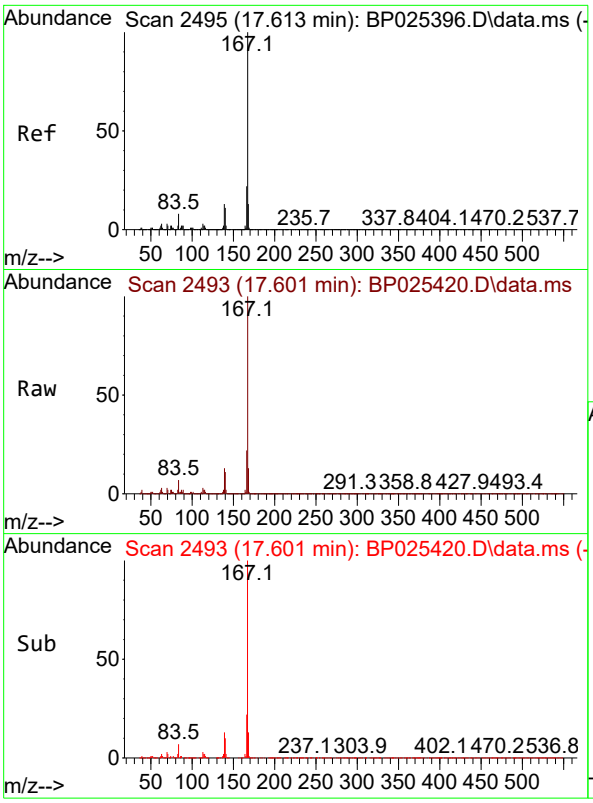


#72
Anthracene
Concen: 38.636 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:178 Resp: 2134931

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2

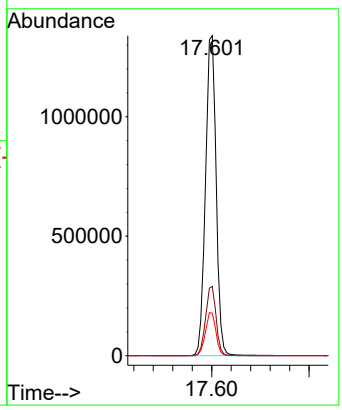




#73
Carbazole
Concen: 38.846 ng
RT: 17.601 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:167 Resp: 202186

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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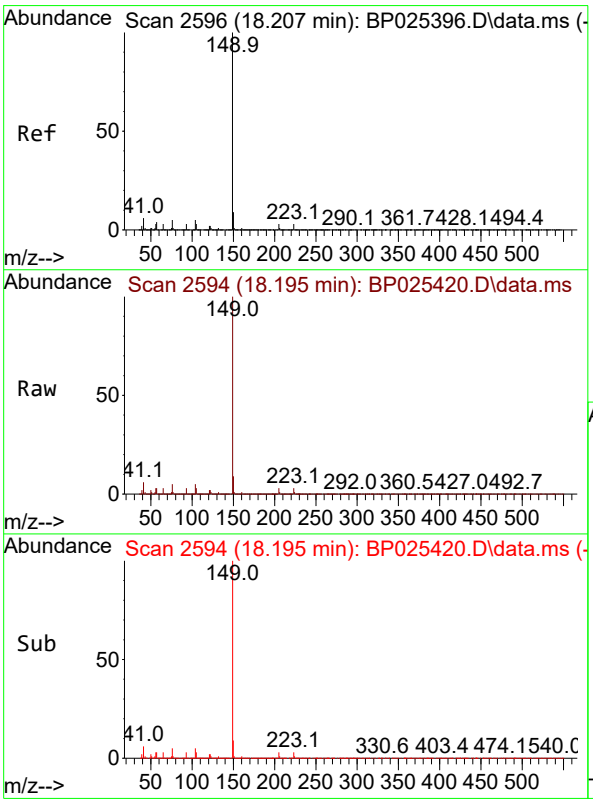
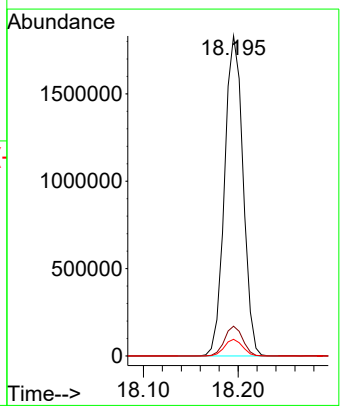
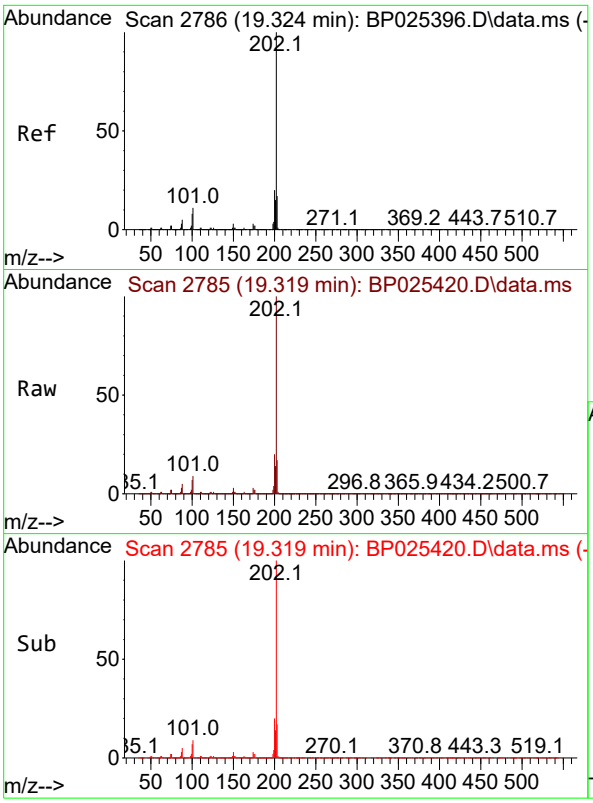


#74
Di-n-butylphthalate
Concen: 38.758 ng
RT: 18.195 min Scan# 2594
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 2481898

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2

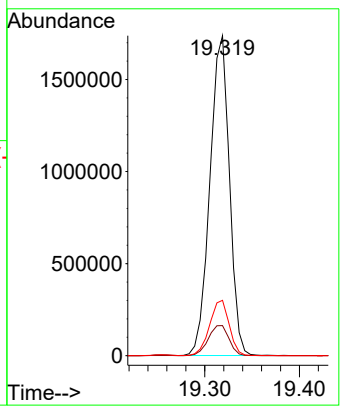




#75
Fluoranthene
Concen: 38.414 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:202 Resp: 247940

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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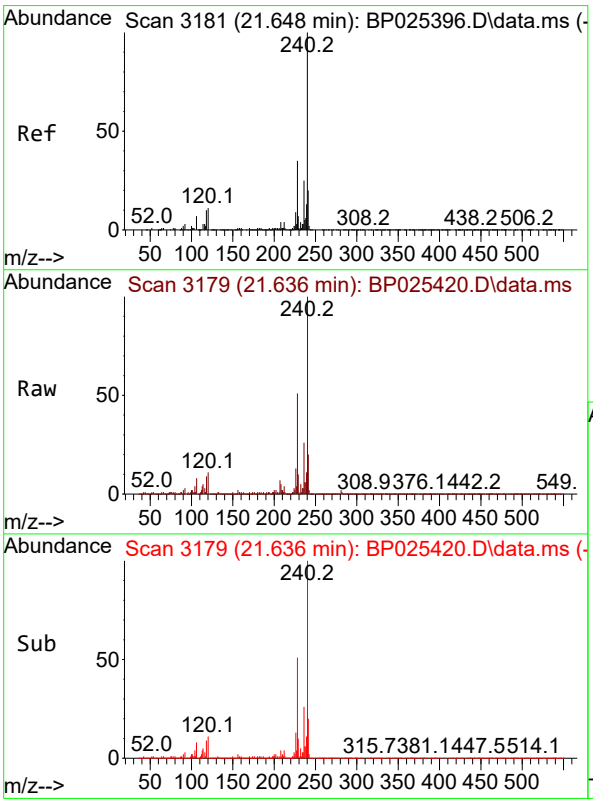
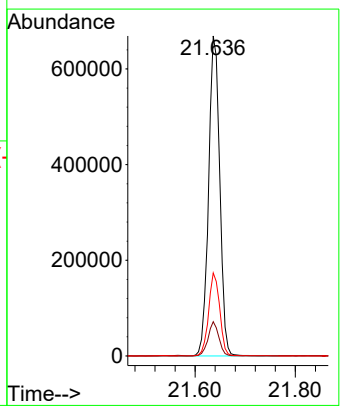
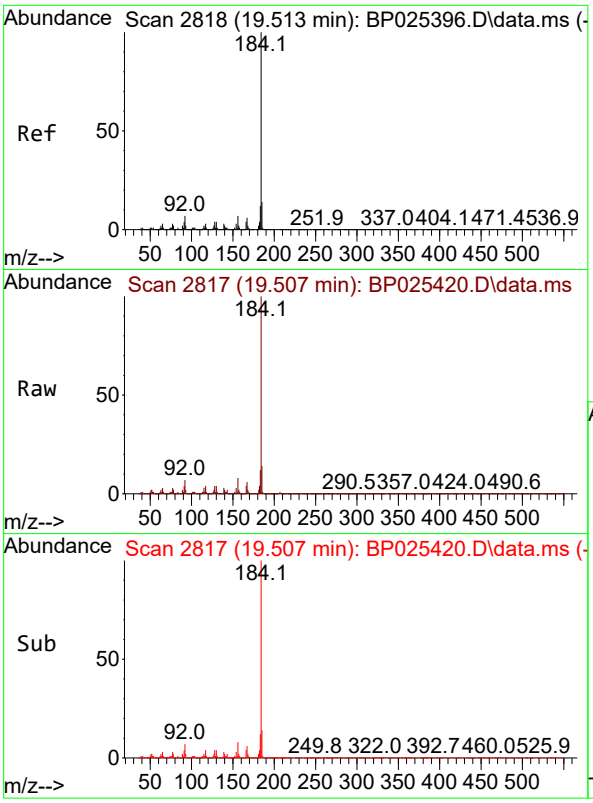


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:240 Resp: 1034992

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.9	19.8	29.8

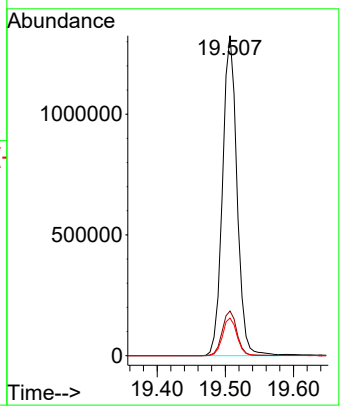




#77
Benzidine
Concen: 55.442 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:184 Resp: 195831

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.7	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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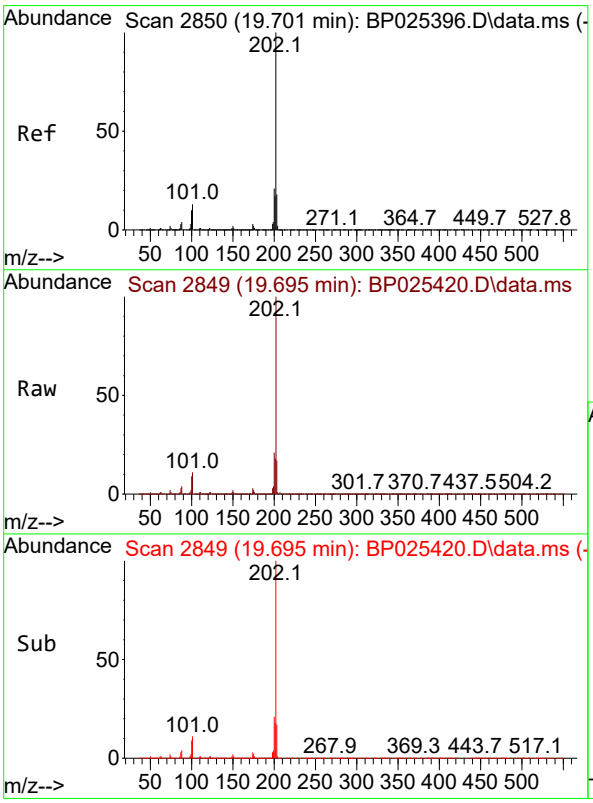
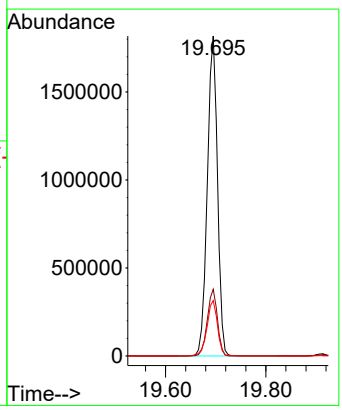
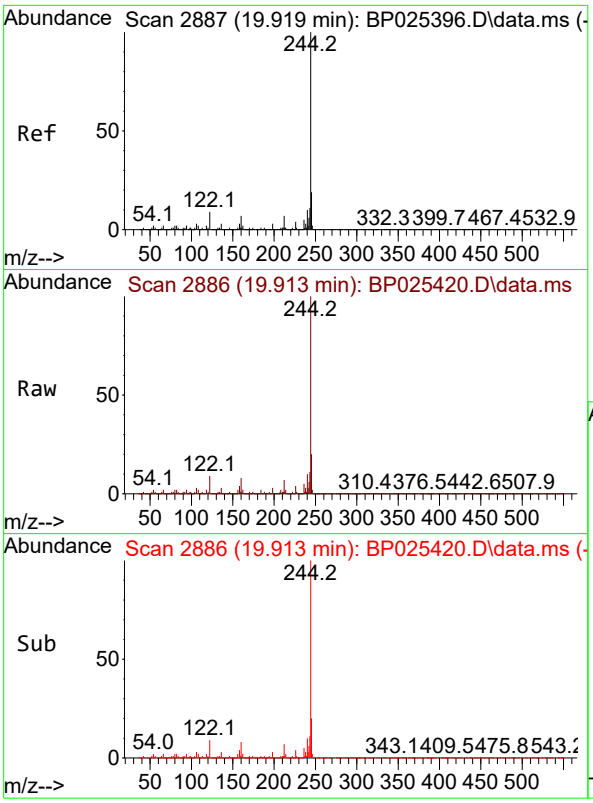


#78
Pyrene
Concen: 38.003 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:202 Resp: 2556537

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.3	14.2	21.2

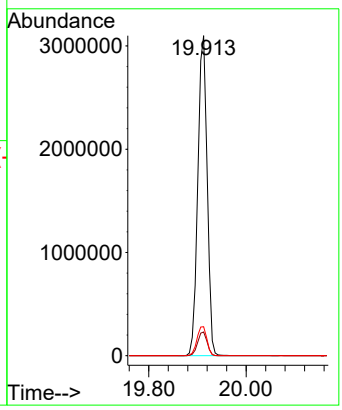




#79
Terphenyl-d14
Concen: 73.302 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:244 Resp: 414669

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.1	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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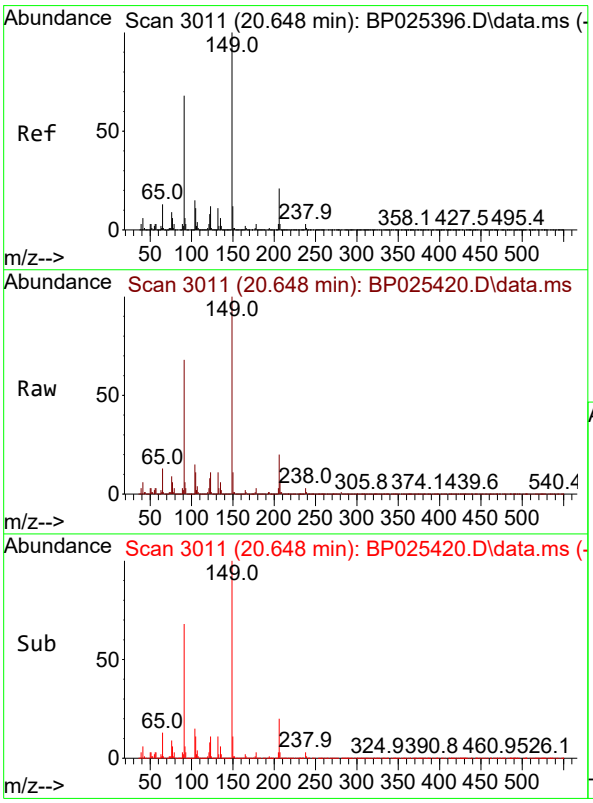
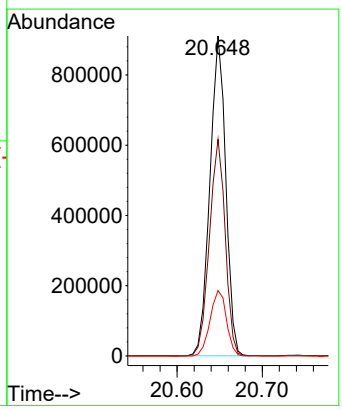
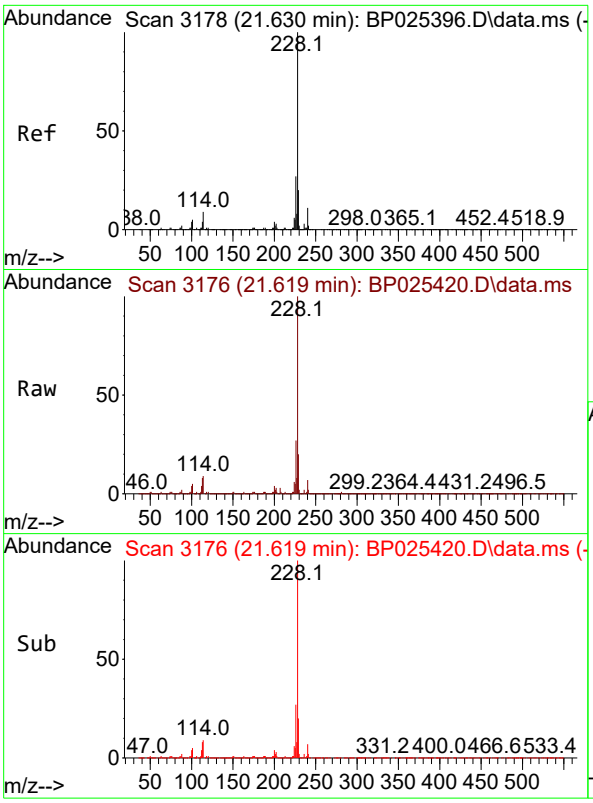


#80
Butylbenzylphthalate
Concen: 38.710 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1180201

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.4	16.6	24.8

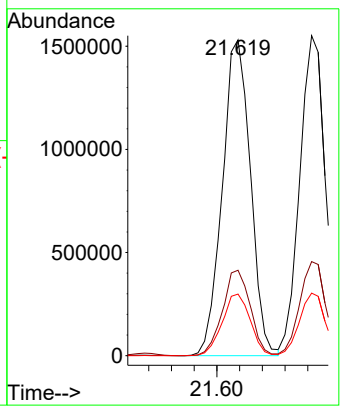




#81
Benzo(a)anthracene
Concen: 38.534 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:228 Resp: 263027

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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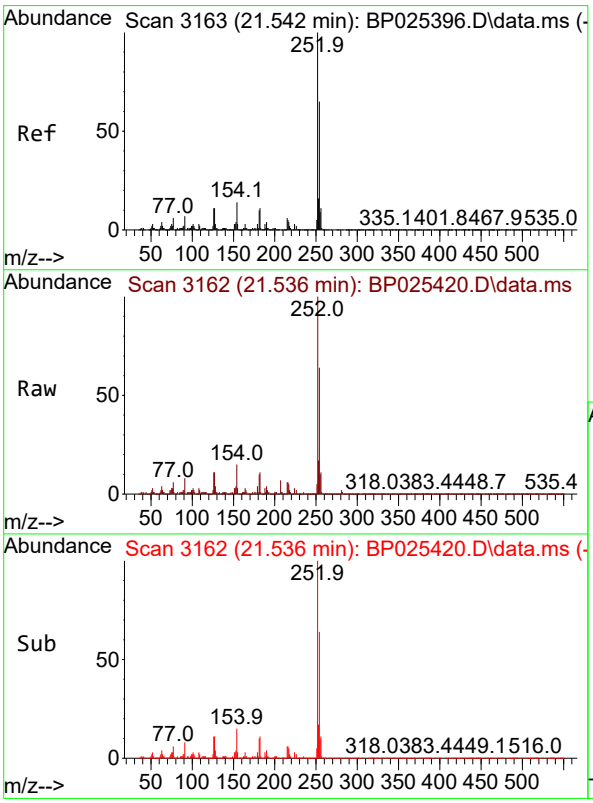
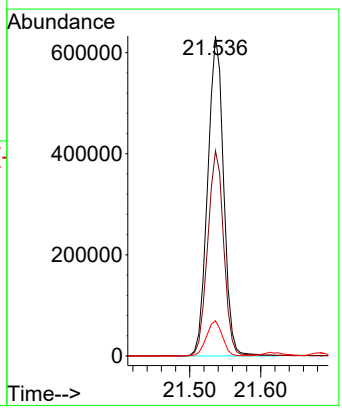
Supervised By :Jagrut Upadhyay 08/15/2025

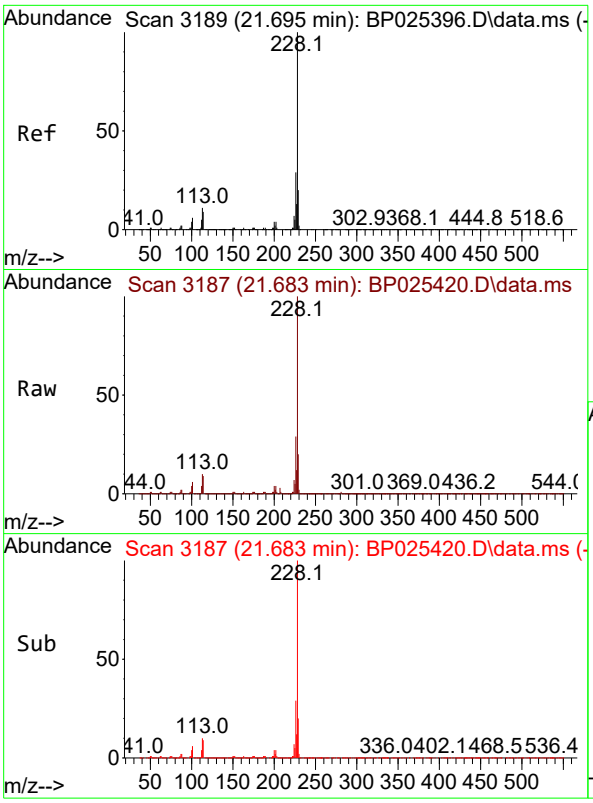


#82
3,3'-Dichlorobenzidine
Concen: 38.329 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 986136

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	11.0	9.1	13.7





#83
Chrysene
Concen: 38.093 ng
RT: 21.683 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:228 Resp: 243506

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.5	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025
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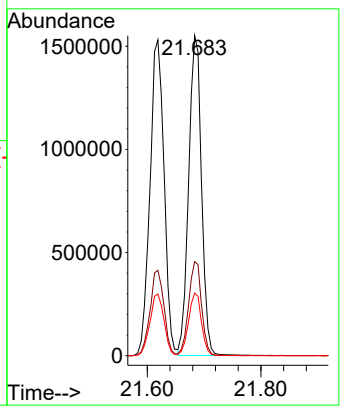
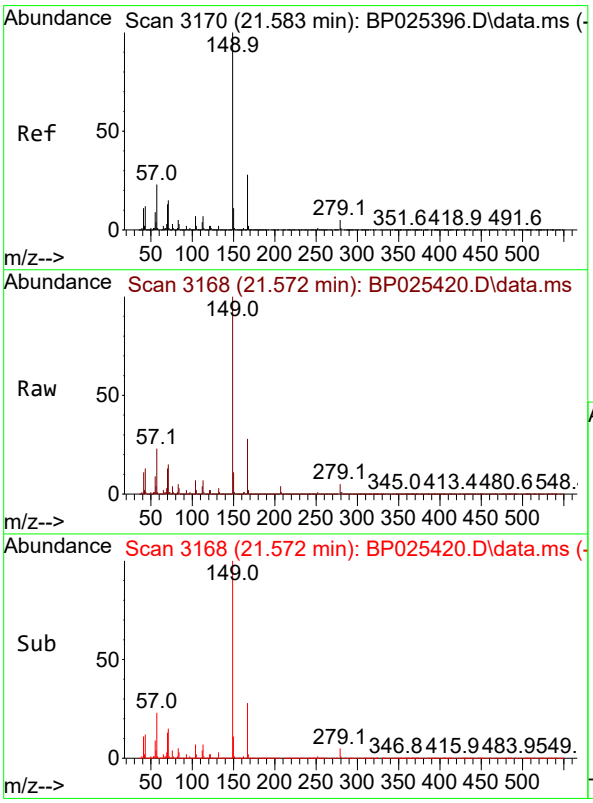
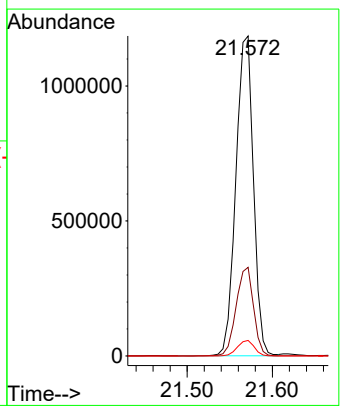


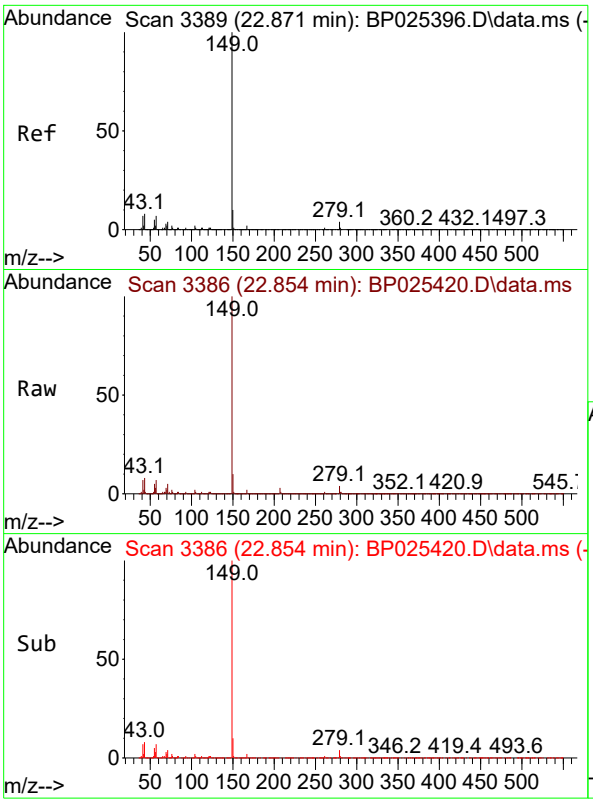


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.783 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1695699

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.9	3.8	5.6

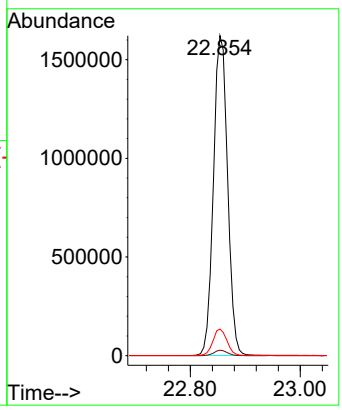




#85
Di-n-octyl phthalate
Concen: 37.514 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 289592

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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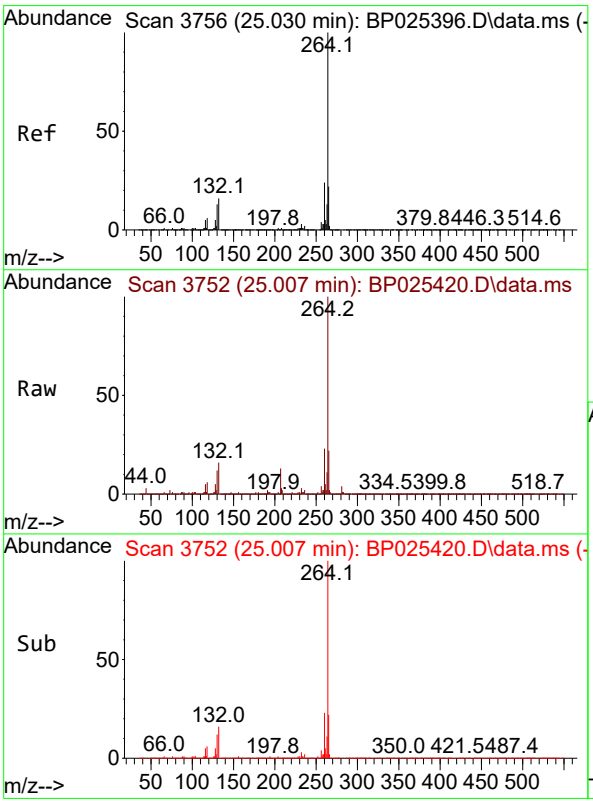
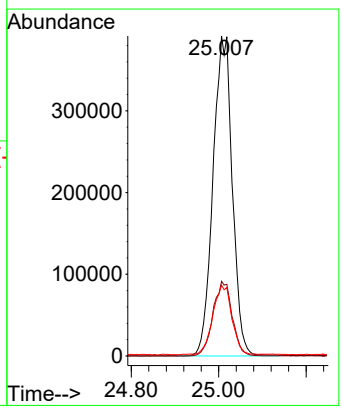
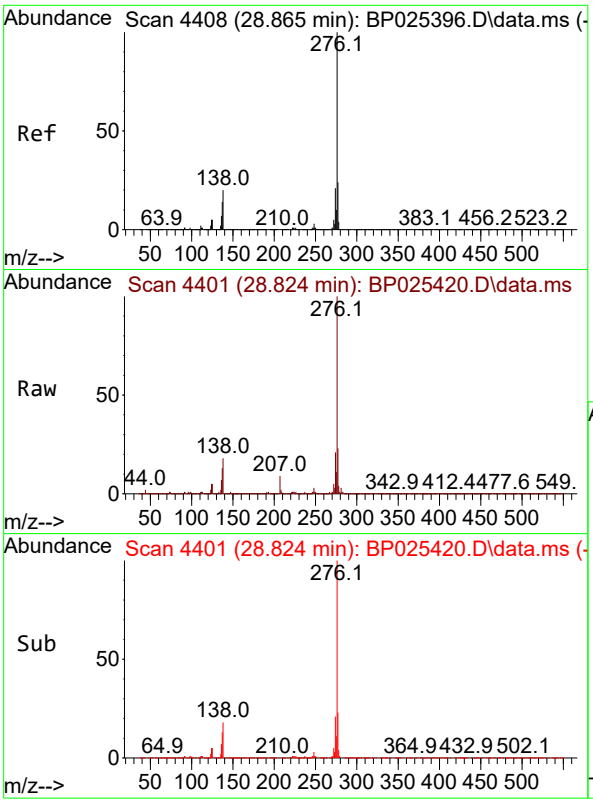


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.023 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:264 Resp: 1196337

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.1	17.4	26.0

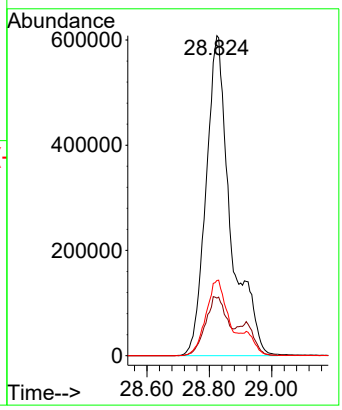




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.925 ng m
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:276 Resp: 332736

Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.9	19.3
277	22.1	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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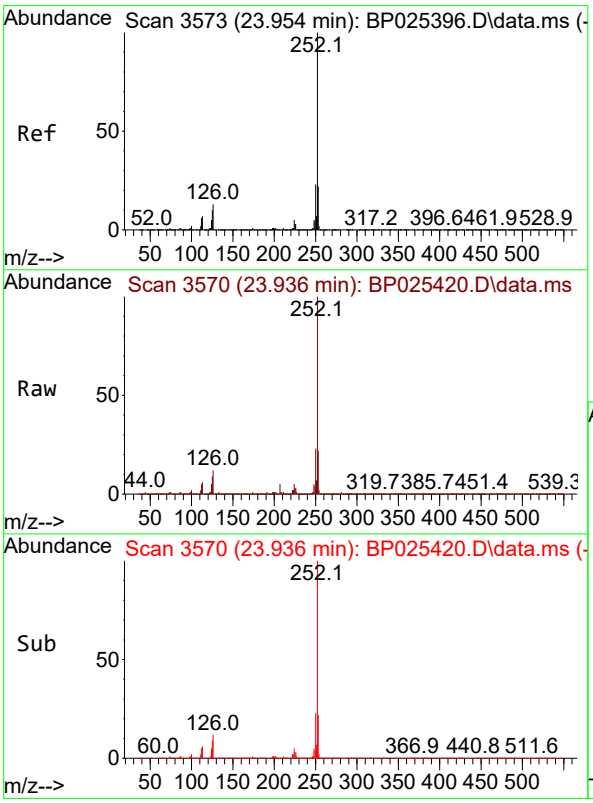
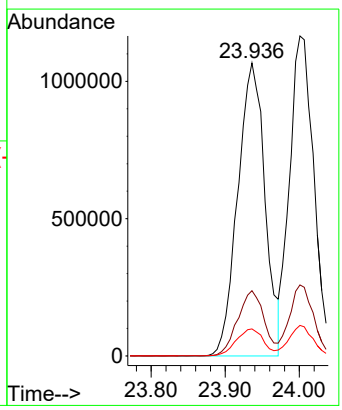
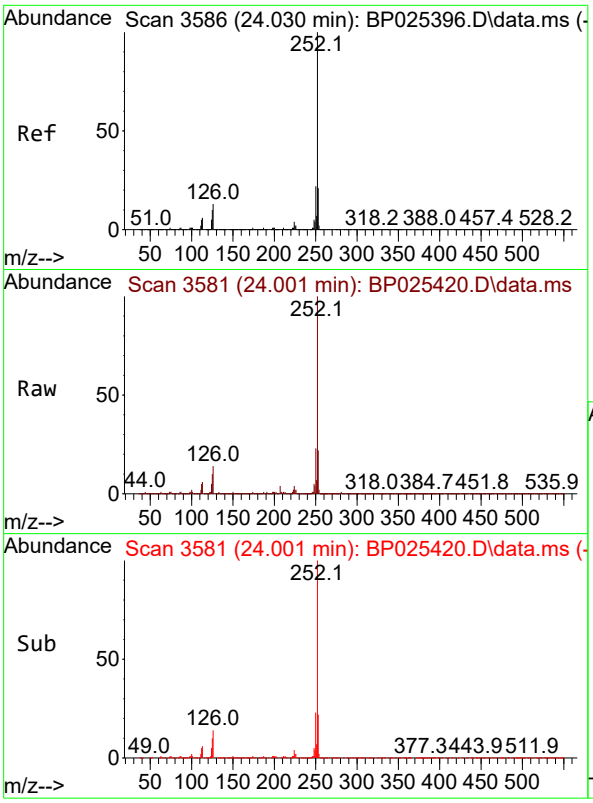


#88
Benzo(b)fluoranthene
Concen: 38.679 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 2728574

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.2	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 37.417 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 264138

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.5	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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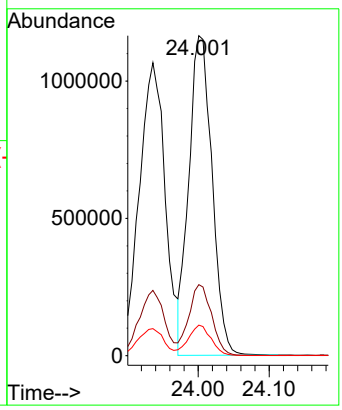
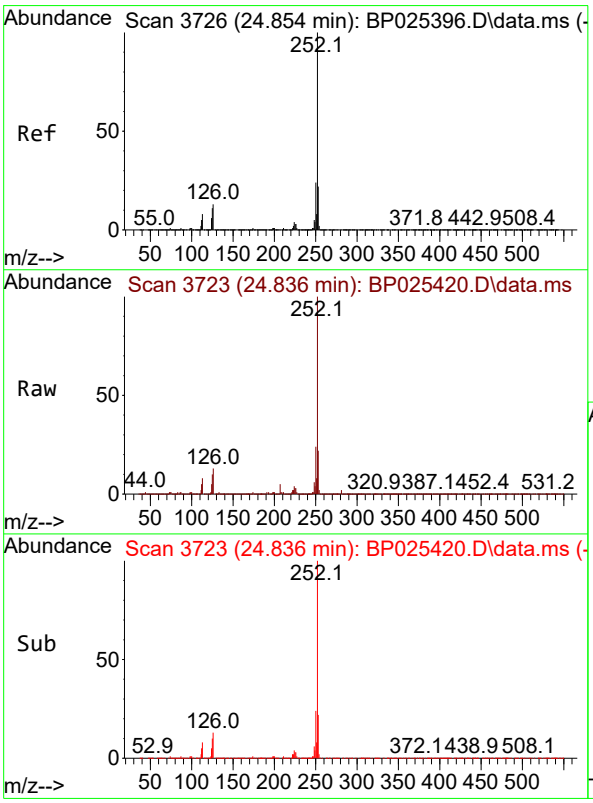
Supervised By :Jagrut Upadhyay 08/15/2025

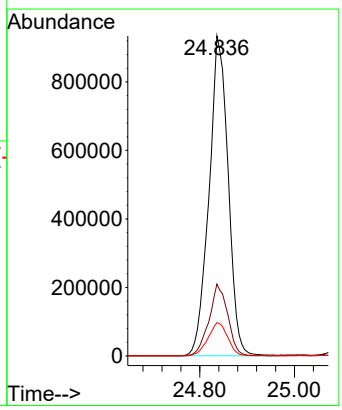


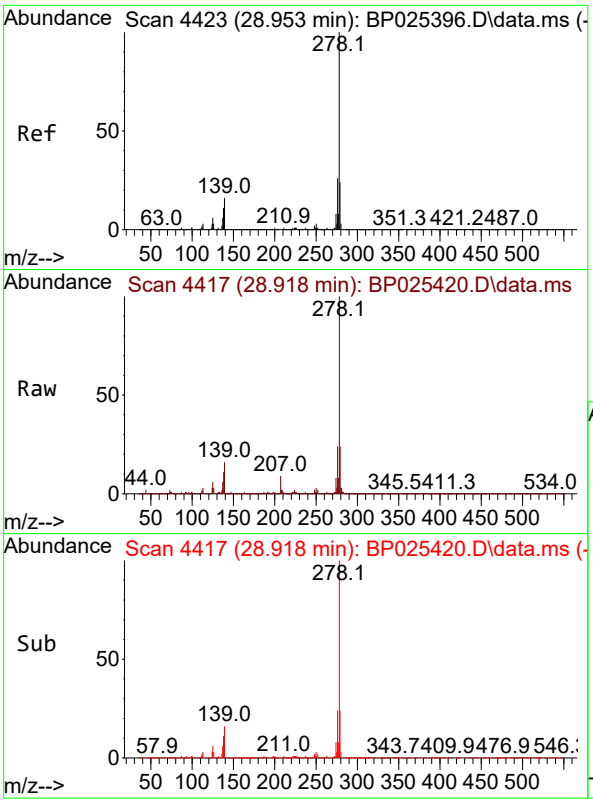


#90
Benzo(a)pyrene
Concen: 38.228 ng
RT: 24.836 min Scan# 3723
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 2625113

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.7	13.1

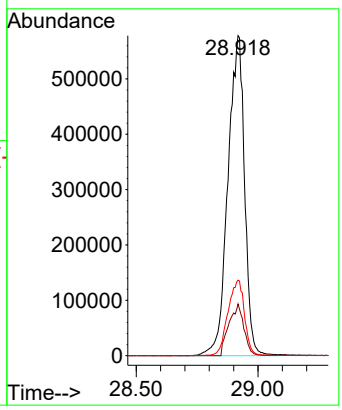




#91
Dibenzo(a,h)anthracene
Concen: 38.272 ng
RT: 28.918 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:278 Resp: 274397

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	23.6	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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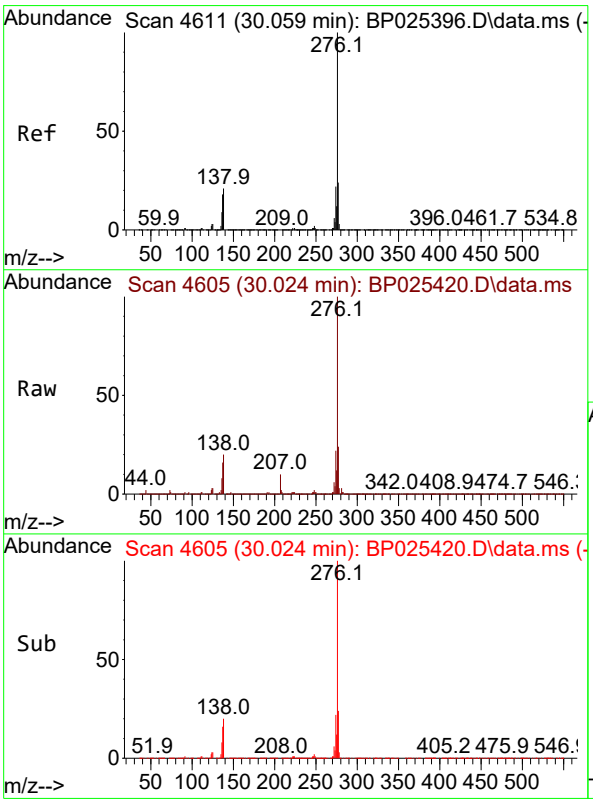
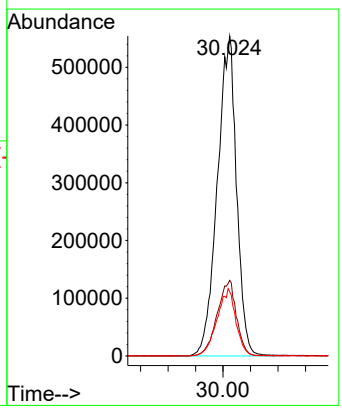
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 38.098 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:276 Resp: 2685032

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	20.1	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2		1,4-Dioxane	0.472	0.451	4.4	112	0.00
3		Pyridine	1.291	1.234	4.4	112	0.00
4		n-Nitrosodimethylamine	0.532	0.545	-2.4	118	0.00
5	S	2-Fluorophenol	1.204	1.165	3.2	111	0.00
6		Aniline	2.080	2.039	2.0	112	0.00
7	S	Phenol-d6	1.544	1.515	1.9	111	0.00
8		2-Chlorophenol	1.359	1.326	2.4	112	0.00
9		Benzaldehyde	1.082	1.388	-28.3#	113	0.00
10	C	Phenol	1.620	1.585	2.2	111	0.00
11		bis(2-Chloroethyl)ether	1.263	1.213	4.0	110	0.00
12		1,3-Dichlorobenzene	1.499	1.438	4.1	110	0.00
13	C	1,4-Dichlorobenzene	1.532	1.462	4.6	110	0.00
14		1,2-Dichlorobenzene	1.483	1.423	4.0	110	0.00
15		Benzyl Alcohol	1.227	1.215	1.0	113	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.656	2.1	113	0.00
17		2-Methylphenol	1.125	1.113	1.1	111	0.00
18		Hexachloroethane	0.563	0.543	3.6	110	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.998	2.4	112	0.00
20		3+4-Methylphenols	1.560	1.530	1.9	111	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
22		Acetophenone	0.502	0.478	4.8	111	0.00
23	S	Nitrobenzene-d5	0.395	0.387	2.0	114	0.00
24		Nitrobenzene	0.353	0.347	1.7	113	0.00
25		Isophorone	0.700	0.671	4.1	112	0.00
26	C	2-Nitrophenol	0.181	0.179	1.1	111	0.00
27		2,4-Dimethylphenol	0.312	0.302	3.2	110	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.402	5.0	111	0.00
29	C	2,4-Dichlorophenol	0.310	0.303	2.3	111	0.00
30		1,2,4-Trichlorobenzene	0.340	0.322	5.3	111	0.00
31		Naphthalene	1.040	0.995	4.3	112	0.00
32		Benzoic acid	0.230	0.221	3.9	110	0.01
33		4-Chloroaniline	0.459	0.447	2.6	111	0.00
34	C	Hexachlorobutadiene	0.211	0.202	4.3	111	0.00
35		Caprolactam	0.114	0.110	3.5	114	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.352	0.8	114	0.00
37		2-Methylnaphthalene	0.676	0.645	4.6	111	0.00
38		1-Methylnaphthalene	0.719	0.675	6.1	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.558	3.5	112	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.352	-0.9	113	0.00
42	S	2,4,6-Tribromophenol	0.269	0.265	1.5	113	-0.01
43	C	2,4,6-Trichlorophenol	0.390	0.387	0.8	113	0.00
44		2,4,5-Trichlorophenol	0.427	0.423	0.9	112	0.00
45	S	2-Fluorobiphenyl	1.463	1.348	7.9	108	0.00
46		1,1'-Biphenyl	1.453	1.384	4.7	110	0.00
47		2-Chloronaphthalene	1.131	1.087	3.9	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.338	-2.7	115	-0.01
49		Acenaphthylene	1.871	1.788	4.4	111	0.00
50		Dimethylphthalate	1.465	1.412	3.6	113	0.00
51		2,6-Dinitrotoluene	0.309	0.309	0.0	112	0.00
52	C	Acenaphthene	1.098	1.045	4.8	112	0.00
53		3-Nitroaniline	0.347	0.350	-0.9	115	0.00
54	P	2,4-Dinitrophenol	0.165	0.167	-1.2	115	0.00
55		Dibenzofuran	1.736	1.648	5.1	110	0.00
56	P	4-Nitrophenol	0.285	0.289	-1.4	116	0.00
57		2,4-Dinitrotoluene	0.440	0.446	-1.4	114	0.00
58		Fluorene	1.370	1.264	7.7	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.370	1.9	113	0.00
60		Diethylphthalate	1.488	1.434	3.6	112	0.00
61		4-Chlorophenyl-phenylether	0.681	0.625	8.2	107	0.00
62		4-Nitroaniline	0.356	0.347	2.5	111	0.00
63		Azobenzene	1.274	1.242	2.5	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	-0.02
65		4,6-Dinitro-2-methylphenol	0.125	0.128	-2.4	116	-0.01
66	c	n-Nitrosodiphenylamine	0.610	0.588	3.6	111	-0.01
67		4-Bromophenyl-phenylether	0.220	0.215	2.3	113	0.00
68		Hexachlorobenzene	0.255	0.241	5.5	111	0.00
69		Atrazine	0.228	0.223	2.2	114	-0.01
70	C	Pentachlorophenol	0.161	0.166	-3.1	117	-0.01
71		Phenanthrene	1.099	1.068	2.8	114	-0.01
72		Anthracene	1.122	1.084	3.4	112	-0.01
73		Carbazole	1.057	1.026	2.9	113	-0.01
74		Di-n-butylphthalate	1.300	1.260	3.1	113	-0.01
75	C	Fluoranthene	1.311	1.259	4.0	114	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	-0.01
77		Benzidine	0.683	0.946	-38.5#	113	0.00
78		Pyrene	1.300	1.235	5.0	112	0.00
79	S	Terphenyl-d14	1.093	1.002	8.3	110	0.00
80		Butylbenzylphthalate	0.589	0.570	3.2	113	0.00
81		Benzo(a)anthracene	1.319	1.271	3.6	115	-0.01
82		3,3'-Dichlorobenzidine	0.497	0.476	4.2	112	0.00
83		Chrysene	1.235	1.176	4.8	115	-0.01
84		Bis(2-ethylhexyl)phthalate	0.867	0.819	5.5	114	-0.01
85	c	Di-n-octyl phthalate	1.492	1.399	6.2	111	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	117	-0.02
87		Indeno(1,2,3-cd)pyrene	1.467	1.391	5.2	115	-0.04
88		Benzo(b)fluoranthene	1.179	1.140	3.3	118	-0.02
89		Benzo(k)fluoranthene	1.180	1.104	6.4	114	-0.03
90	C	Benzo(a)pyrene	1.148	1.097	4.4	116	-0.02
91		Dibenzo(a,h)anthracene	1.199	1.147	4.3	116	-0.04
92		Benzo(g,h,i)perylene	1.178	1.122	4.8	115	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	0.00
2		1,4-Dioxane	40.000	38.238	4.4	112	0.00
3		Pyridine	40.000	38.221	4.4	112	0.00
4		n-Nitrosodimethylamine	40.000	40.919	-2.3	118	0.00
5	S	2-Fluorophenol	80.000	77.363	3.3	111	0.00
6		Aniline	40.000	39.201	2.0	112	0.00
7	S	Phenol-d6	80.000	78.474	1.9	111	0.00
8		2-Chlorophenol	40.000	39.042	2.4	112	0.00
9		Benzaldehyde	40.000	51.318	-28.3#	113	0.00
10	C	Phenol	40.000	39.121	2.2	111	0.00
11		bis(2-Chloroethyl)ether	40.000	38.412	4.0	110	0.00
12		1,3-Dichlorobenzene	40.000	38.382	4.0	110	0.00
13	C	1,4-Dichlorobenzene	40.000	38.189	4.5	110	0.00
14		1,2-Dichlorobenzene	40.000	38.382	4.0	110	0.00
15		Benzyl Alcohol	40.000	39.625	0.9	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.155	2.1	113	0.00
17		2-Methylphenol	40.000	39.552	1.1	111	0.00
18		Hexachloroethane	40.000	38.564	3.6	110	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.033	2.4	112	0.00
20		3+4-Methylphenols	40.000	39.238	1.9	111	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	112	0.00
22		Acetophenone	40.000	38.088	4.8	111	0.00
23	S	Nitrobenzene-d5	80.000	78.403	2.0	114	0.00
24		Nitrobenzene	40.000	39.305	1.7	113	0.00
25		Isophorone	40.000	38.375	4.1	112	0.00
26	C	2-Nitrophenol	40.000	39.387	1.5	111	0.00
27		2,4-Dimethylphenol	40.000	38.698	3.3	110	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.016	5.0	111	0.00
29	C	2,4-Dichlorophenol	40.000	39.074	2.3	111	0.00
30		1,2,4-Trichlorobenzene	40.000	37.976	5.1	111	0.00
31		Naphthalene	40.000	38.297	4.3	112	0.00
32		Benzoic acid	40.000	38.436	3.9	110	0.01
33		4-Chloroaniline	40.000	38.946	2.6	111	0.00
34	C	Hexachlorobutadiene	40.000	38.255	4.4	111	0.00
35		Caprolactam	40.000	38.897	2.8	114	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.556	1.1	114	0.00
37		2-Methylnaphthalene	40.000	38.127	4.7	111	0.00
38		1-Methylnaphthalene	40.000	37.519	6.2	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.637	3.4	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.361	-0.9	113	0.00
42	S	2,4,6-Tribromophenol	80.000	78.813	1.5	113	-0.01
43	C	2,4,6-Trichlorophenol	40.000	39.699	0.8	113	0.00
44		2,4,5-Trichlorophenol	40.000	39.629	0.9	112	0.00
45	S	2-Fluorobiphenyl	80.000	73.679	7.9	108	0.00
46		1,1'-Biphenyl	40.000	38.115	4.7	110	0.00
47		2-Chloronaphthalene	40.000	38.467	3.8	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.005	-2.5	115	-0.01
49		Acenaphthylene	40.000	38.223	4.4	111	0.00
50		Dimethylphthalate	40.000	38.552	3.6	113	0.00
51		2,6-Dinitrotoluene	40.000	40.066	-0.2	112	0.00
52	C	Acenaphthene	40.000	38.043	4.9	112	0.00
53		3-Nitroaniline	40.000	40.343	-0.9	115	0.00
54	P	2,4-Dinitrophenol	40.000	40.617	-1.5	115	0.00
55		Dibenzofuran	40.000	37.952	5.1	110	0.00
56	P	4-Nitrophenol	40.000	40.562	-1.4	116	0.00
57		2,4-Dinitrotoluene	40.000	40.534	-1.3	114	0.00
58		Fluorene	40.000	36.892	7.8	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.265	1.8	113	0.00
60		Diethylphthalate	40.000	38.557	3.6	112	0.00
61		4-Chlorophenyl-phenylether	40.000	36.659	8.4	107	0.00
62		4-Nitroaniline	40.000	39.020	2.4	111	0.00
63		Azobenzene	40.000	38.996	2.5	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	41.054	-2.6	116	-0.01
66	c	n-Nitrosodiphenylamine	40.000	38.590	3.5	111	-0.01
67		4-Bromophenyl-phenylether	40.000	39.149	2.1	113	0.00
68		Hexachlorobenzene	40.000	37.871	5.3	111	0.00
69		Atrazine	40.000	39.100	2.2	114	-0.01
70	C	Pentachlorophenol	40.000	41.143	-2.9	117	-0.01
71		Phenanthrene	40.000	38.868	2.8	114	-0.01
72		Anthracene	40.000	38.636	3.4	112	-0.01
73		Carbazole	40.000	38.846	2.9	113	-0.01
74		Di-n-butylphthalate	40.000	38.758	3.1	113	-0.01
75	C	Fluoranthene	40.000	38.414	4.0	114	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	-0.01
77		Benzidine	40.000	55.442	-38.6#	113	0.00
78		Pyrene	40.000	38.003	5.0	112	0.00
79	S	Terphenyl-d14	80.000	73.302	8.4	110	0.00
80		Butylbenzylphthalate	40.000	38.710	3.2	113	0.00
81		Benzo(a)anthracene	40.000	38.534	3.7	115	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.329	4.2	112	0.00
83		Chrysene	40.000	38.093	4.8	115	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	37.783	5.5	114	-0.01
85	c	Di-n-octyl phthalate	40.000	37.514	6.2	111	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	117	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.925	5.2	115	-0.04
88		Benzo(b)fluoranthene	40.000	38.679	3.3	118	-0.02
89		Benzo(k)fluoranthene	40.000	37.417	6.5	114	-0.03
90	C	Benzo(a)pyrene	40.000	38.228	4.4	116	-0.02
91		Dibenzo(a,h)anthracene	40.000	38.272	4.3	116	-0.04
92		Benzo(g,h,i)perylene	40.000	38.098	4.8	115	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 10:36

Lab File ID: BP025422.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.169		-2.9	
Benzaldehyde	1.082	1.423		31.5	
Phenol-d6	1.544	1.519		-1.6	
Phenol	1.620	1.590		-1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.245		-1.4	
2-Chlorophenol	1.359	1.343		-1.2	
2-Methylphenol	1.125	1.118		-0.6	
2,2-oxybis(1-Chloropropane)	1.692	1.704		0.7	
Acetophenone	0.502	0.486		-3.2	
3+4-Methylphenols	1.560	1.543		-1.1	
n-Nitroso-di-n-propylamine	1.023	1.005	0.050	-1.8	
Nitrobenzene-d5	0.395	0.392		-0.8	
Hexachloroethane	0.563	0.557		-1.1	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.671		-4.1	
2-Nitrophenol	0.181	0.179		-1.1	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.300		-3.2	20.0
Naphthalene	1.040	0.996		-4.2	
4-Chloroaniline	0.459	0.450		-2.0	
Hexachlorobutadiene	0.211	0.204		-3.3	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.646		-4.4	
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	
2,4,6-Trichlorophenol	0.390	0.383		-1.8	20.0
2-Fluorobiphenyl	1.463	1.380		-5.7	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.404		-3.4	
2-Chloronaphthalene	1.131	1.096		-3.1	
2-Nitroaniline	0.329	0.337		2.4	
Dimethylphthalate	1.465	1.393		-4.9	
Acenaphthylene	1.871	1.799		-3.8	
2,6-Dinitrotoluene	0.309	0.314		1.6	
3-Nitroaniline	0.347	0.348		0.3	
Acenaphthene	1.098	1.035		-5.7	20.0
2,4-Dinitrophenol	0.165	0.164	0.050	-0.6	
4-Nitrophenol	0.285	0.284	0.050	-0.4	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 10:36

Lab File ID: BP025422.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.628		-6.2	
2,4-Dinitrotoluene	0.440	0.446		1.4	
Diethylphthalate	1.488	1.416		-4.8	
4-Chlorophenyl-phenylether	0.681	0.628		-7.8	
Fluorene	1.370	1.272		-7.2	
4-Nitroaniline	0.356	0.351		-1.4	
4,6-Dinitro-2-methylphenol	0.125	0.122		-2.4	
n-Nitrosodiphenylamine	0.610	0.587		-3.8	20.0
2,4,6-Tribromophenol	0.269	0.264		-1.9	
4-Bromophenyl-phenylether	0.220	0.210		-4.5	
Hexachlorobenzene	0.255	0.242		-5.1	
Atrazine	0.228	0.216		-5.3	
Pentachlorophenol	0.161	0.164		1.9	20.0
Phenanthrene	1.099	1.040		-5.4	
Anthracene	1.122	1.069		-4.7	
Carbazole	1.057	0.992		-6.1	
Di-n-butylphthalate	1.300	1.246		-4.2	
Fluoranthene	1.311	1.236		-5.7	20.0
Pyrene	1.300	1.231		-5.3	
Terphenyl-d14	1.093	1.026		-6.1	
Butylbenzylphthalate	0.589	0.555		-5.8	
3,3-Dichlorobenzidine	0.497	0.473		-4.8	
Benzo(a)anthracene	1.319	1.247		-5.5	
Chrysene	1.235	1.170		-5.3	
Bis(2-ethylhexyl)phthalate	0.867	0.803		-7.4	
Di-n-octyl phthalate	1.492	1.381		-7.4	20.0
Benzo(b)fluoranthene	1.179	1.145		-2.9	
Benzo(k)fluoranthene	1.180	1.134		-3.9	
Benzo(a)pyrene	1.148	1.114		-3.0	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.433		-2.3	
Dibenzo(a,h)anthracene	1.199	1.183		-1.3	
Benzo(g,h,i)perylene	1.178	1.156		-1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.559		-3.3	
1,4-Dioxane	0.472	0.440		-6.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.377		0.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	949003m	37.707	ng	
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 11:23:48 2025
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ClientSampleId :
SSTDCCC040

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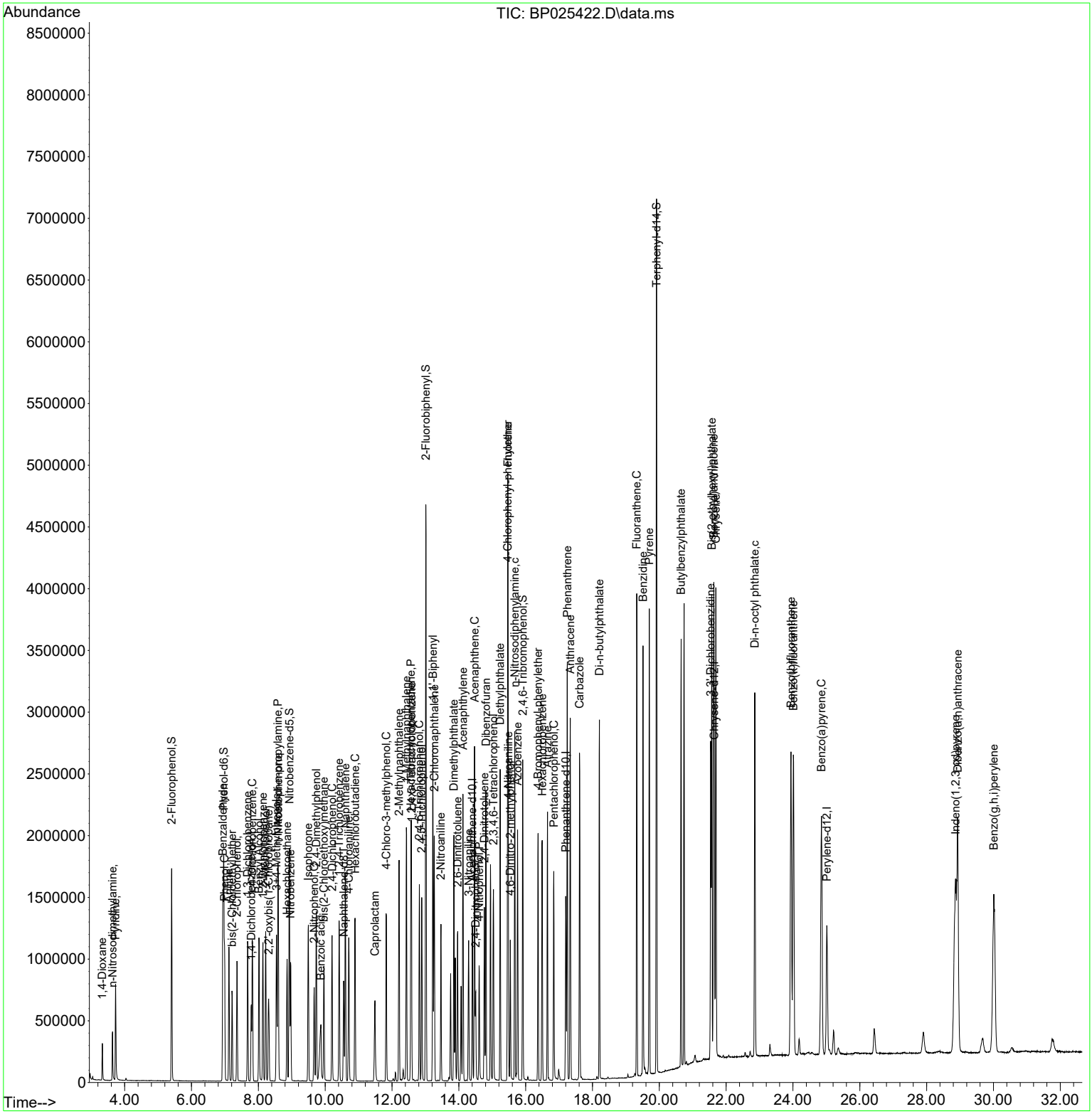
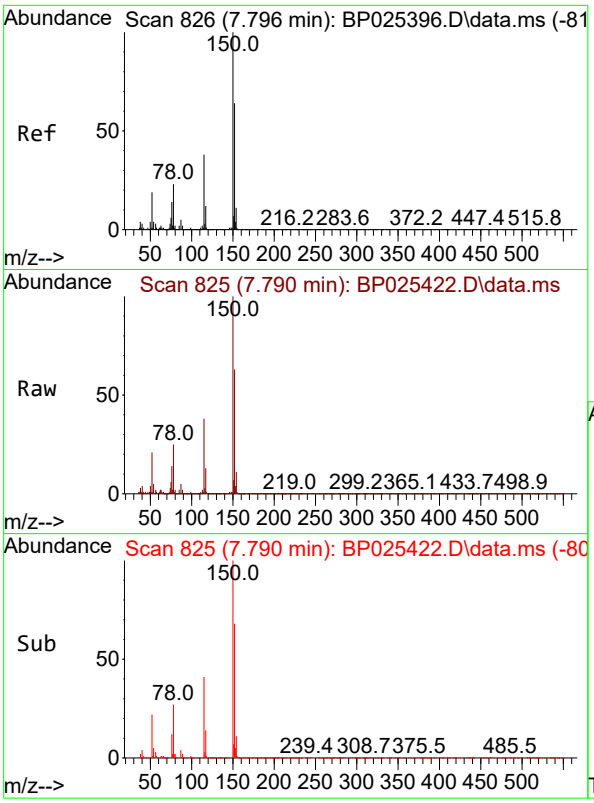
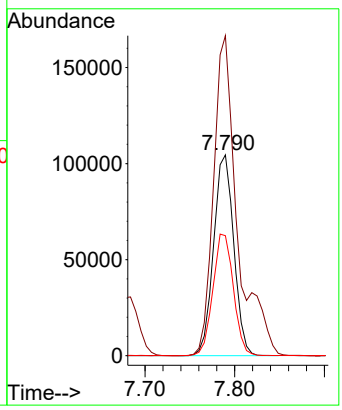




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:152 Resp: 16321

Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.9	188.9
115	59.8	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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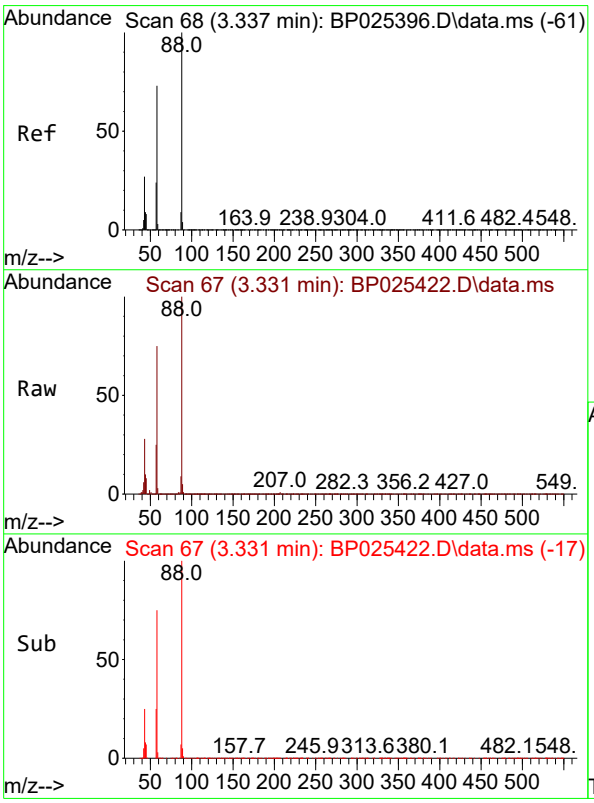
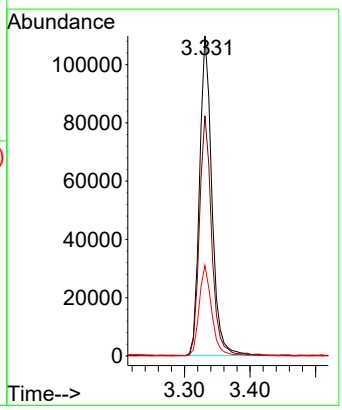
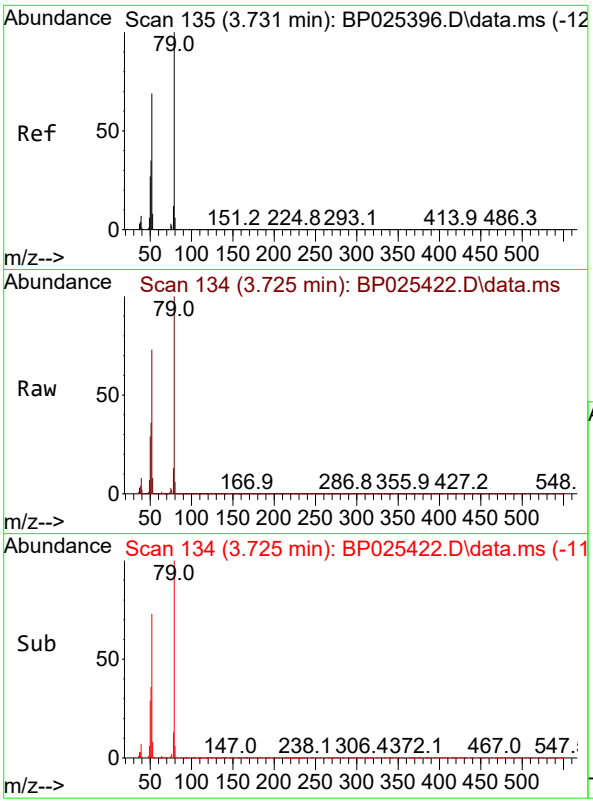


#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 88 Resp: 143562

Ion	Ratio	Lower	Upper
88	100		
58	75.3	59.2	88.8
43	28.6	21.7	32.5

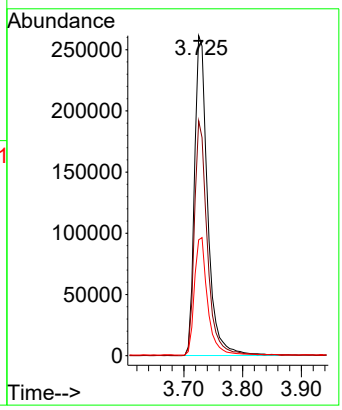




#3
Pyridine
Concen: 38.504 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 79 Resp: 40569

Ion	Ratio	Lower	Upper
79	100		
52	73.4	55.5	83.3
51	36.2	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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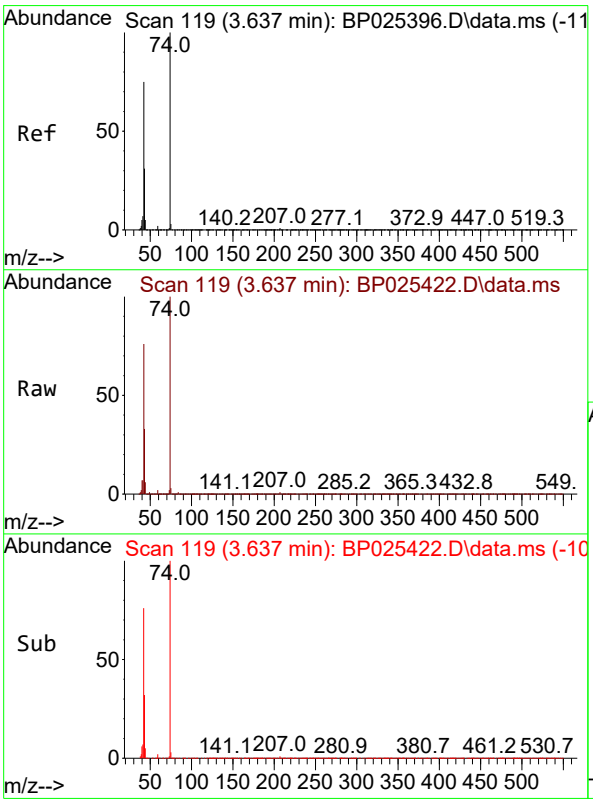
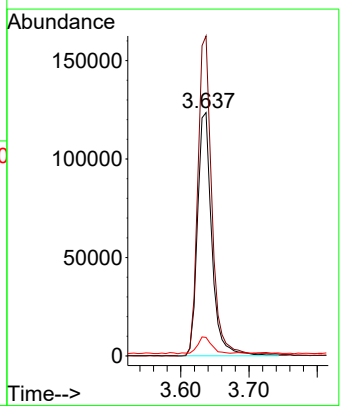
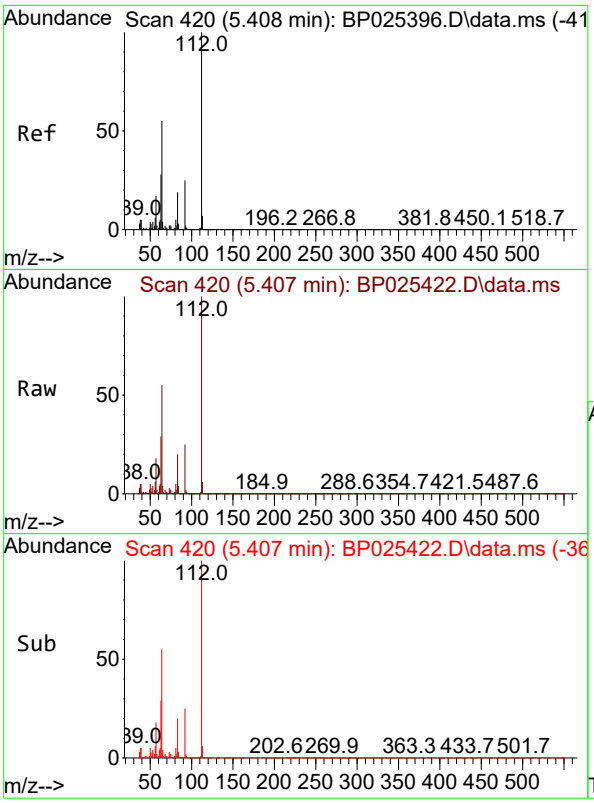


#4
n-Nitrosodimethylamine
Concen: 41.341 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 42 Resp: 179582

Ion	Ratio	Lower	Upper
42	100		
74	131.5	107.0	160.4
44	7.6	6.2	9.4

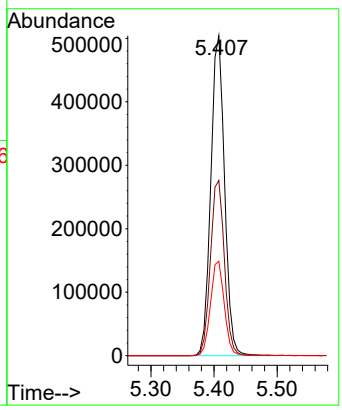




#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:112 Resp: 76344

Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	29.5	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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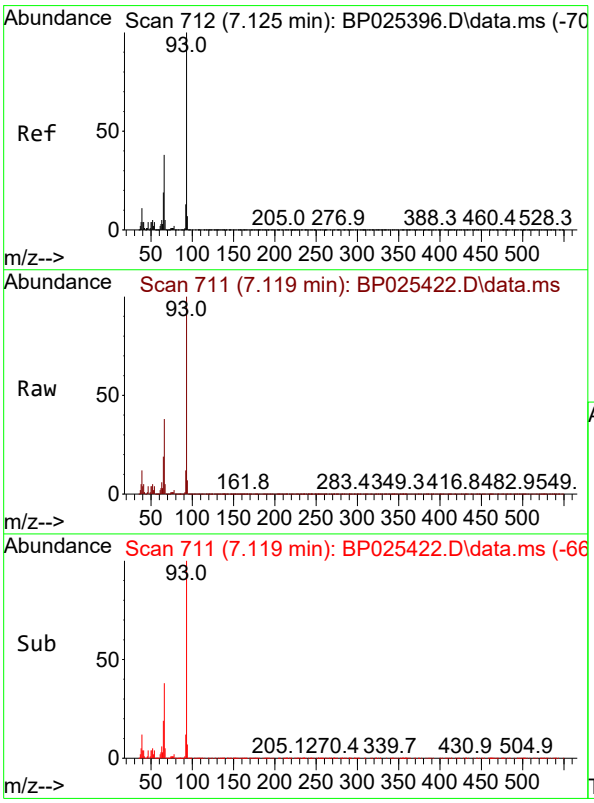
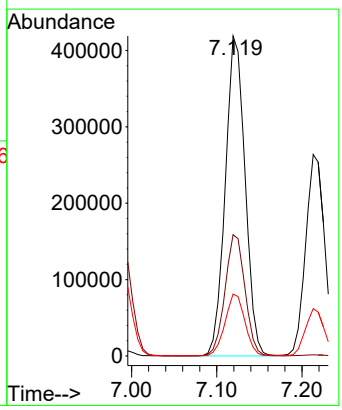
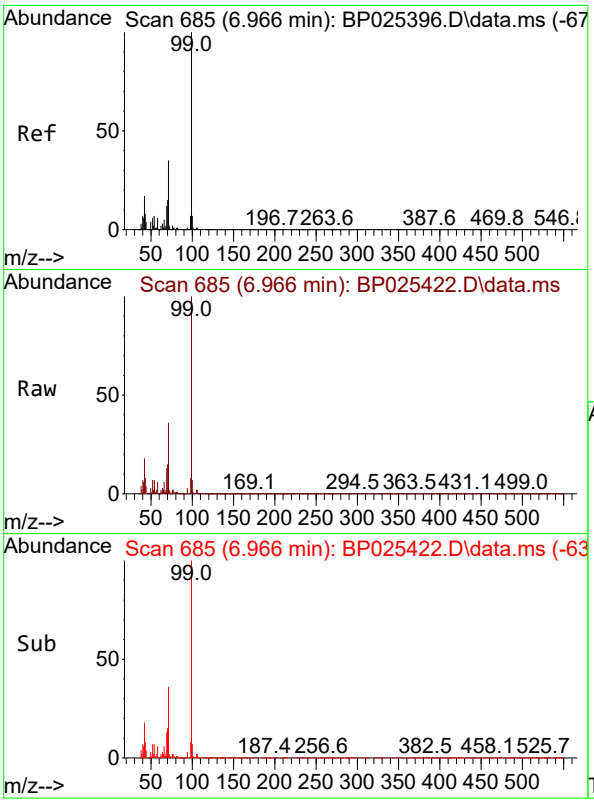


#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 677656

Ion	Ratio	Lower	Upper
93	100		
66	37.9	30.4	45.6
65	19.4	15.3	22.9

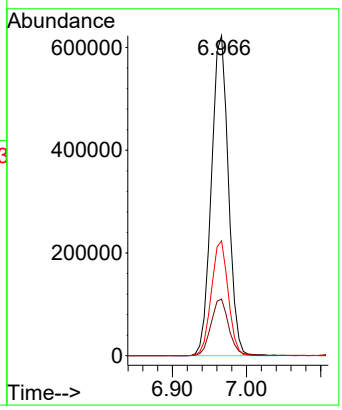




#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 99 Resp: 99154

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.9	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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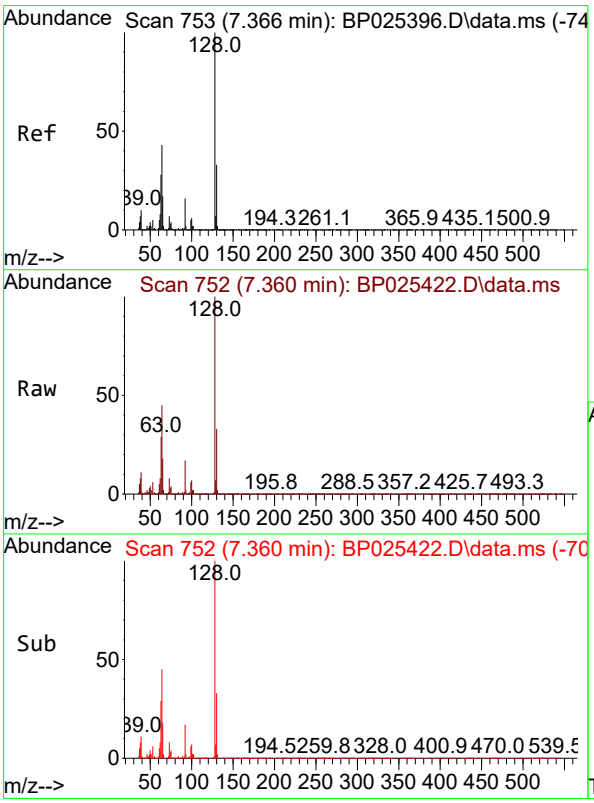
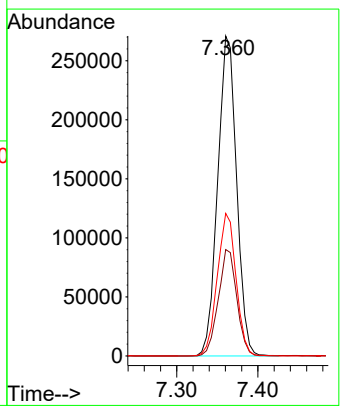
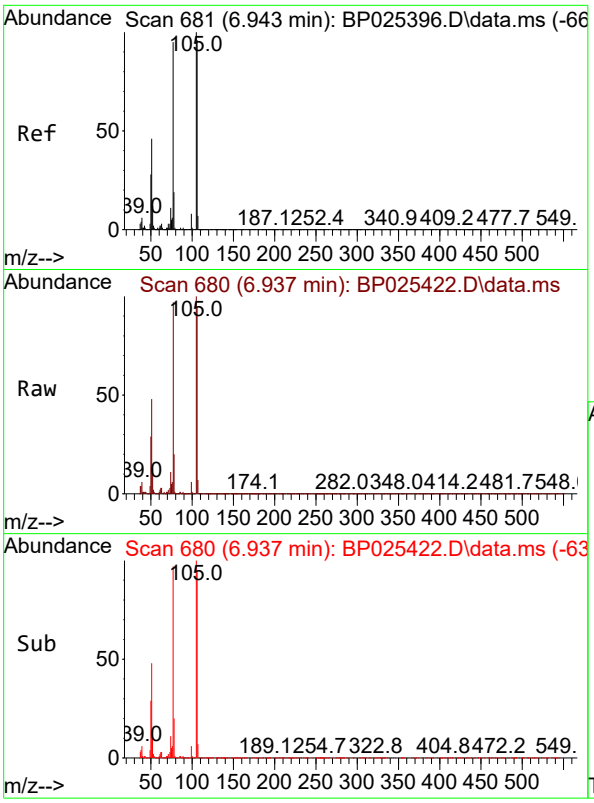


#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:128 Resp: 438538

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	44.6	23.4	63.4

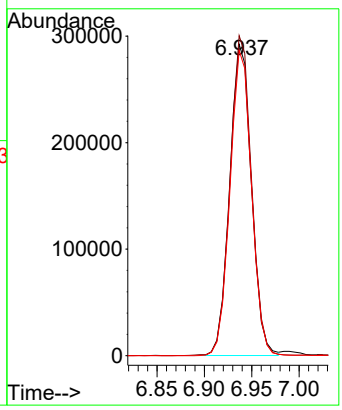




#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 46448

Ion	Ratio	Lower	Upper
77	100		
105	102.8	84.8	124.8
106	98.0	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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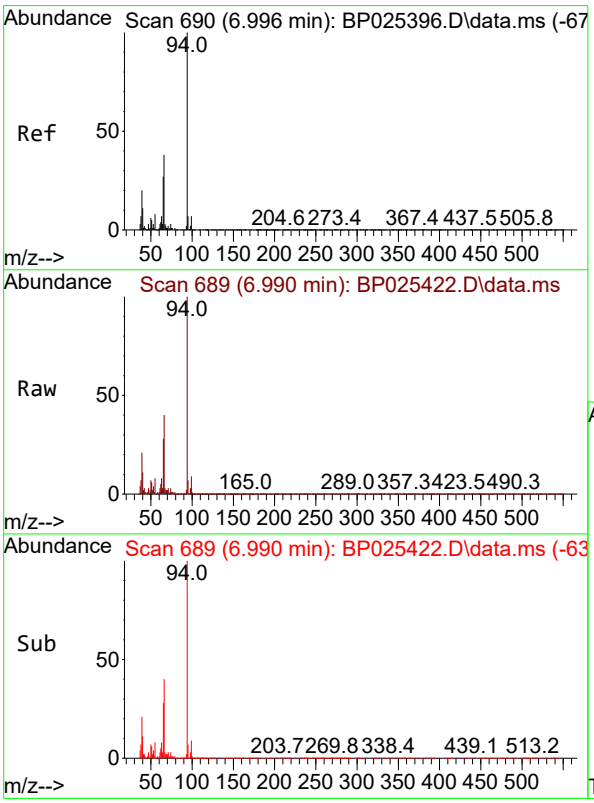
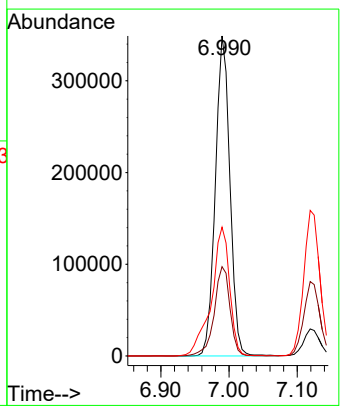
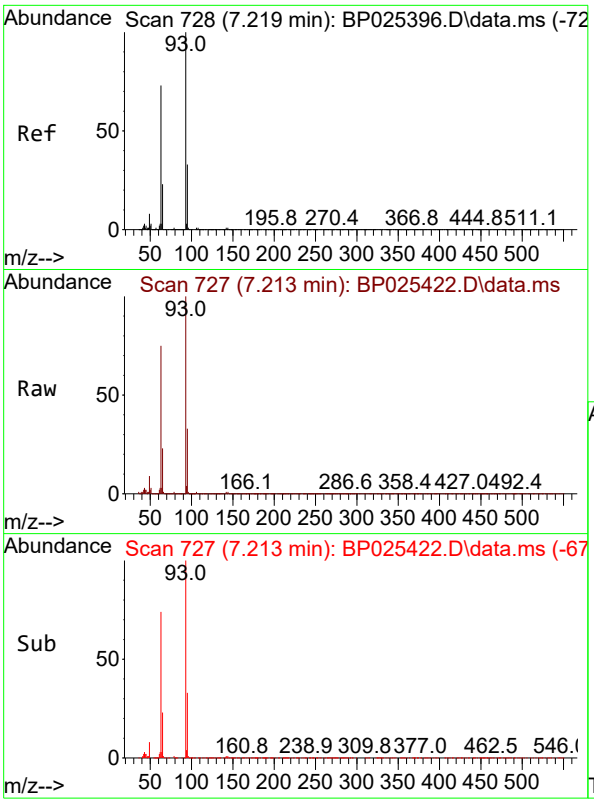


#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 94 Resp: 518982

Ion	Ratio	Lower	Upper
94	100		
65	27.9	6.8	46.8
66	40.2	18.2	58.2

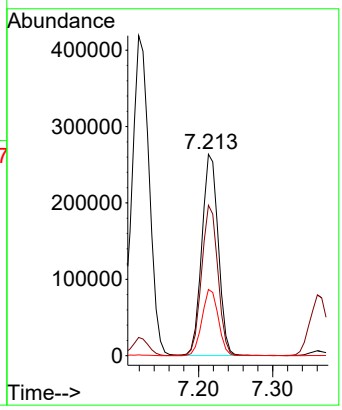




#11
bis(2-Chloroethyl)ether
Concen: 39.423 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 40626

Ion	Ratio	Lower	Upper
93	100		
63	74.7	52.6	92.6
95	32.9	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
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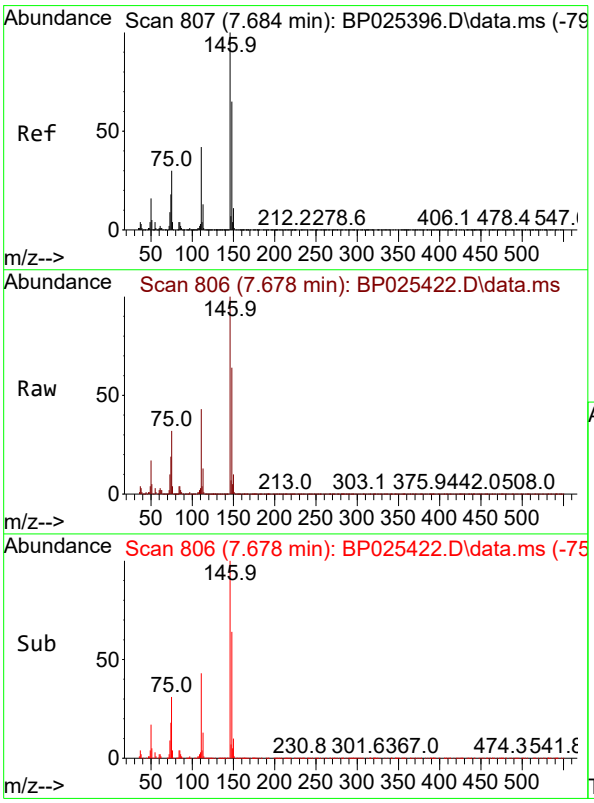
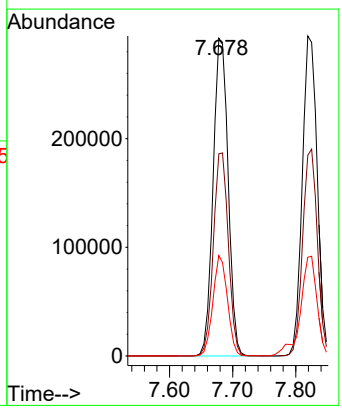
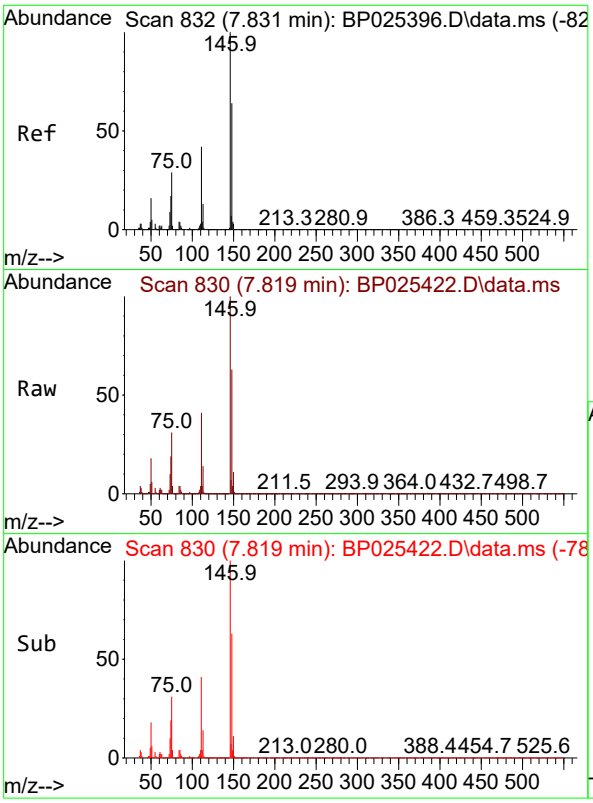


#12
1,3-Dichlorobenzene
Concen: 39.468 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 482648

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
75	31.6	23.7	35.5

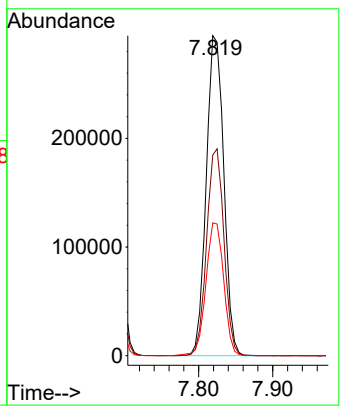




#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 48329

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.6	77.4
111	41.5	33.4	50.0



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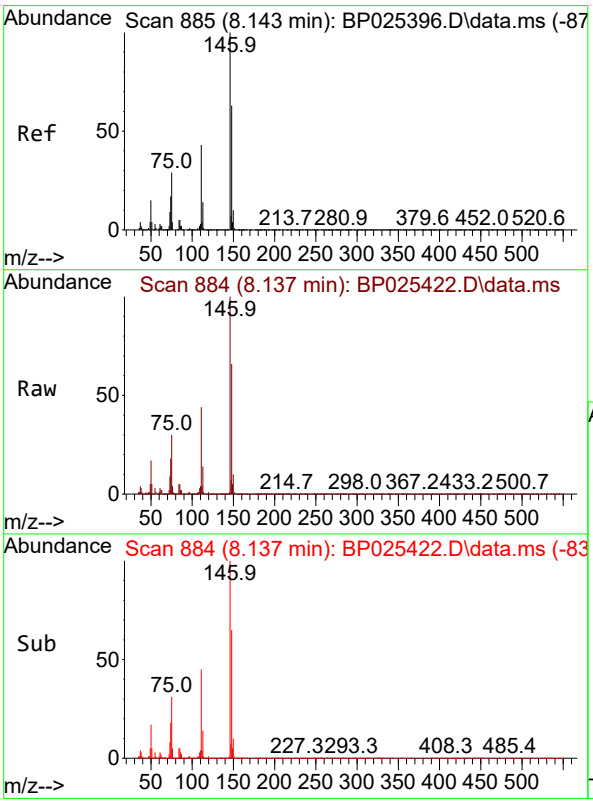
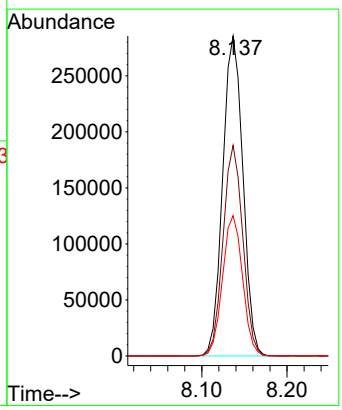
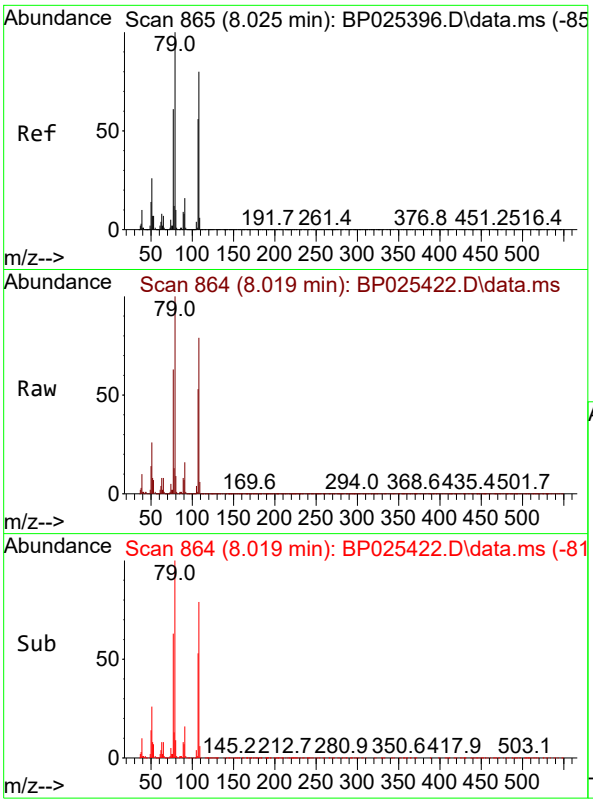


#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 469905

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.4	75.6
111	43.8	34.5	51.7





#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 79 Resp: 40245

Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.8	49.0	73.4

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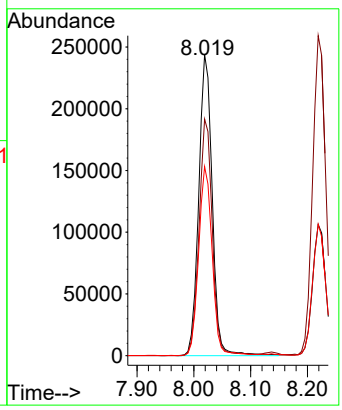
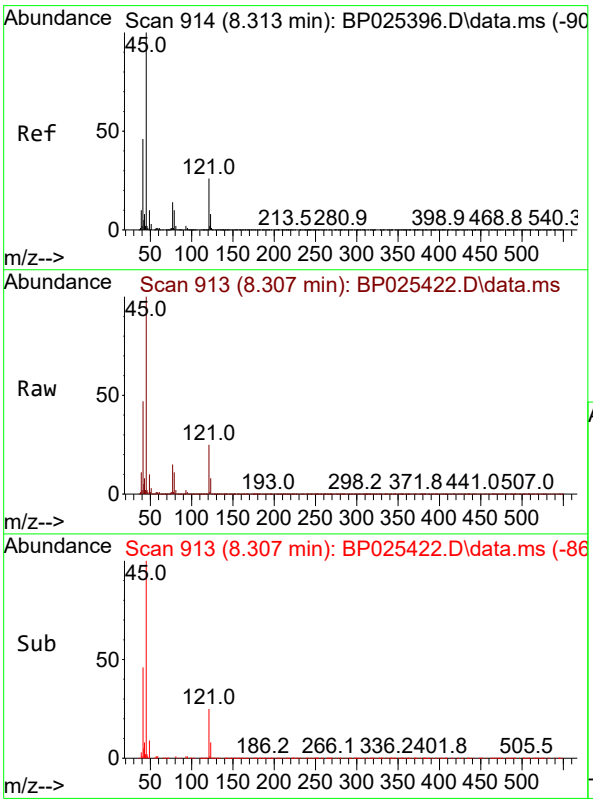
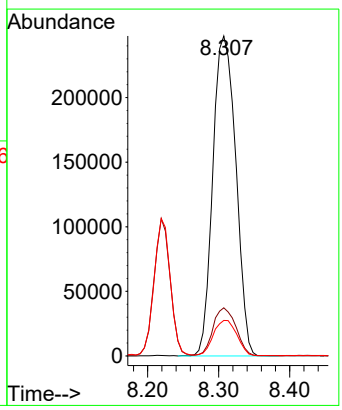


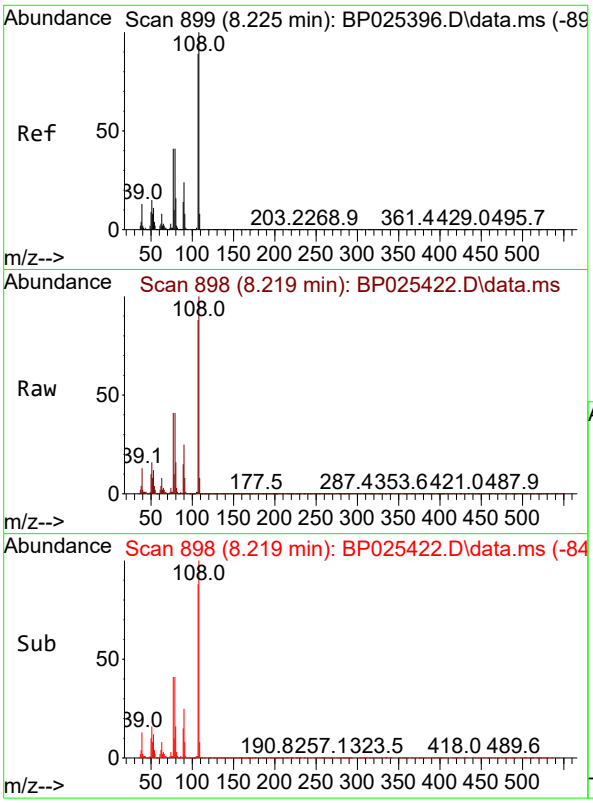


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 45 Resp: 556083

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.3
79	11.1	0.0	31.8

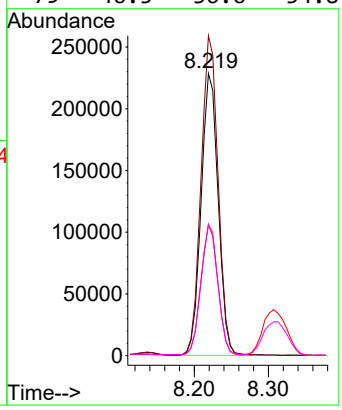




#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 36502

Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.4	134.0
77	46.5	36.3	54.5
79	46.5	36.6	54.8



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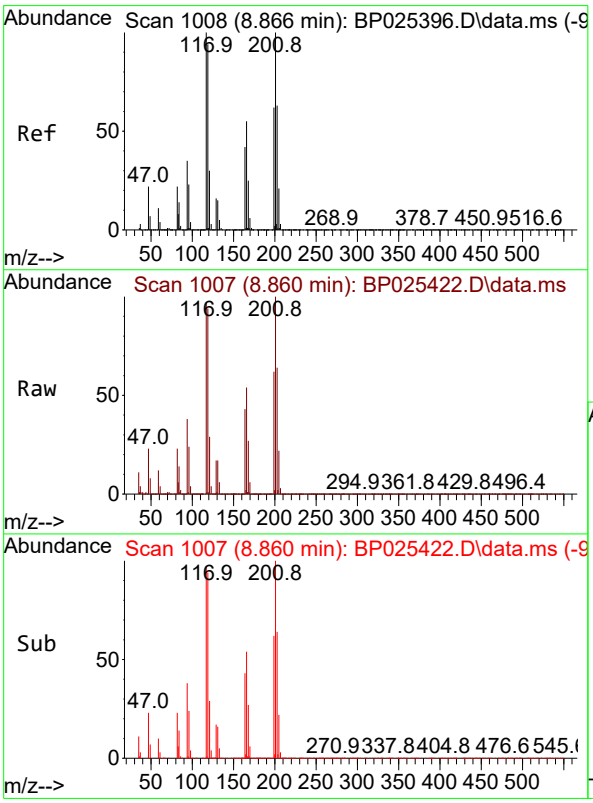
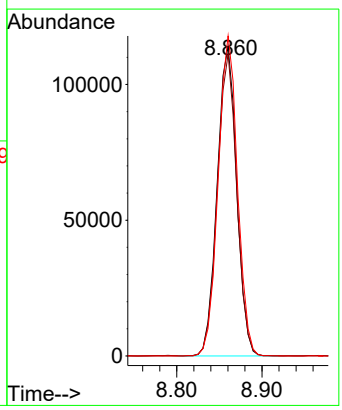
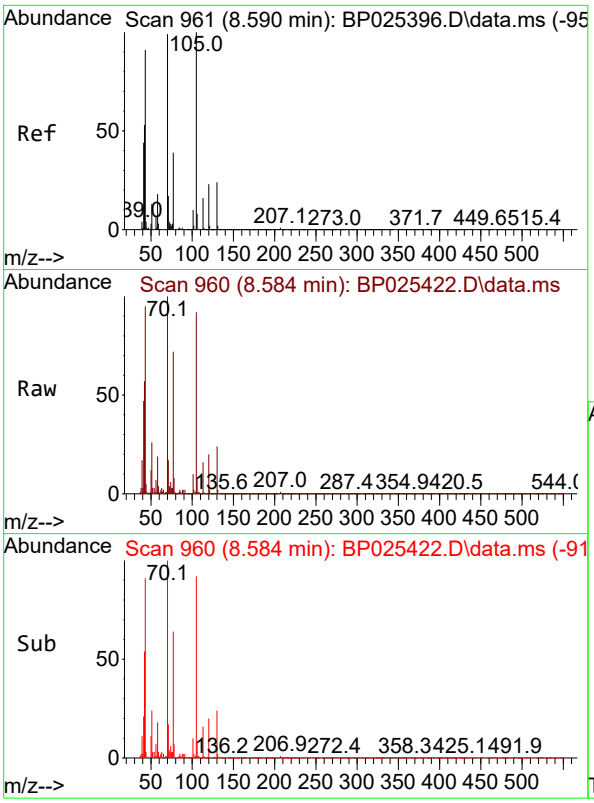


#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:117 Resp: 181724

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.1	112.7
201	103.5	80.1	120.1

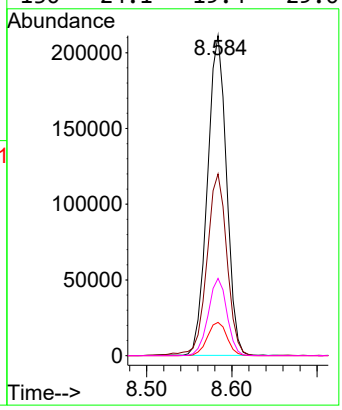




#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 70 Resp: 32803

Ion	Ratio	Lower	Upper
70	100		
42	56.8	43.8	65.6
101	10.4	8.5	12.7
130	24.1	19.4	29.0



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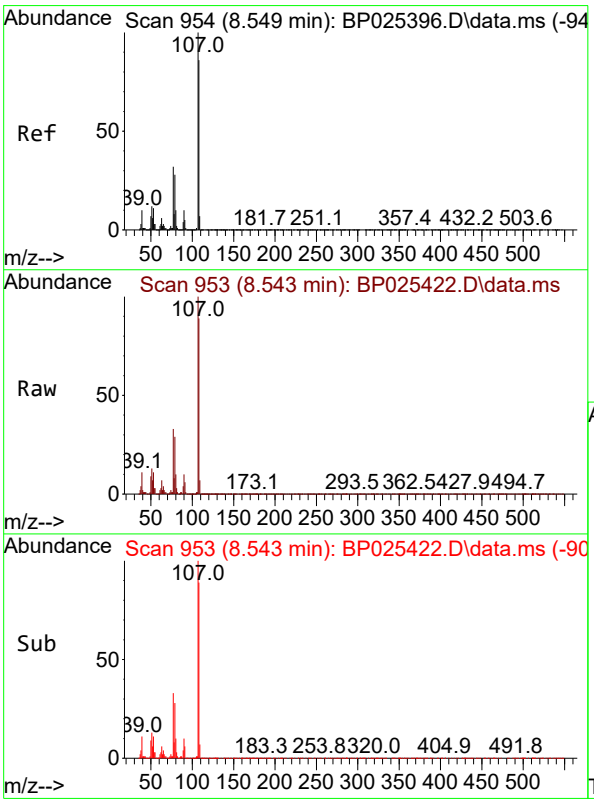
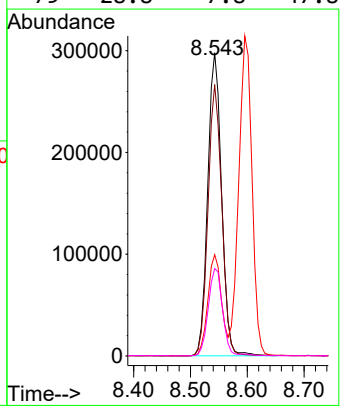
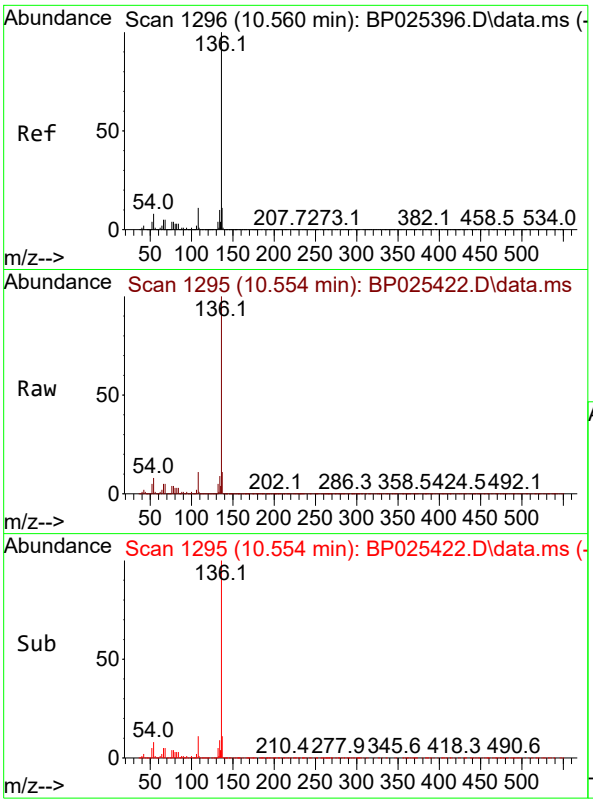


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 503552

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.4	12.3	52.3
79	28.8	7.8	47.8

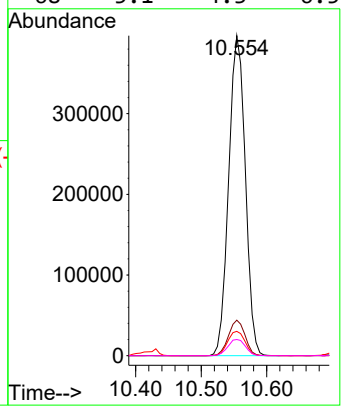




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:136 Resp: 69911

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5



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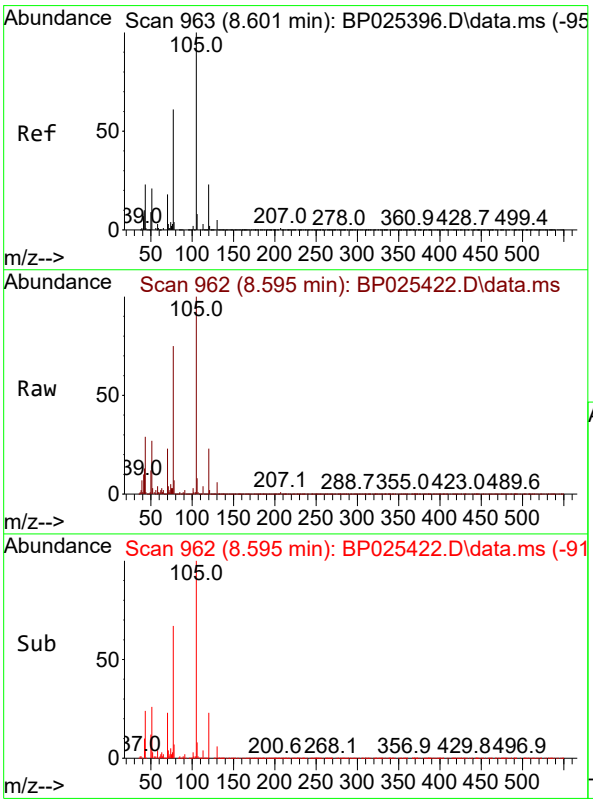
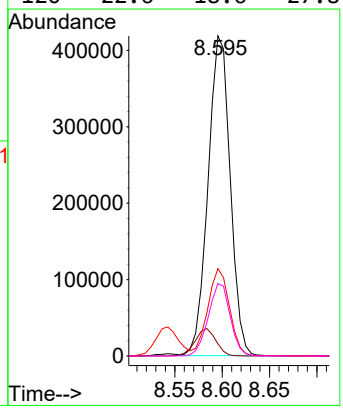
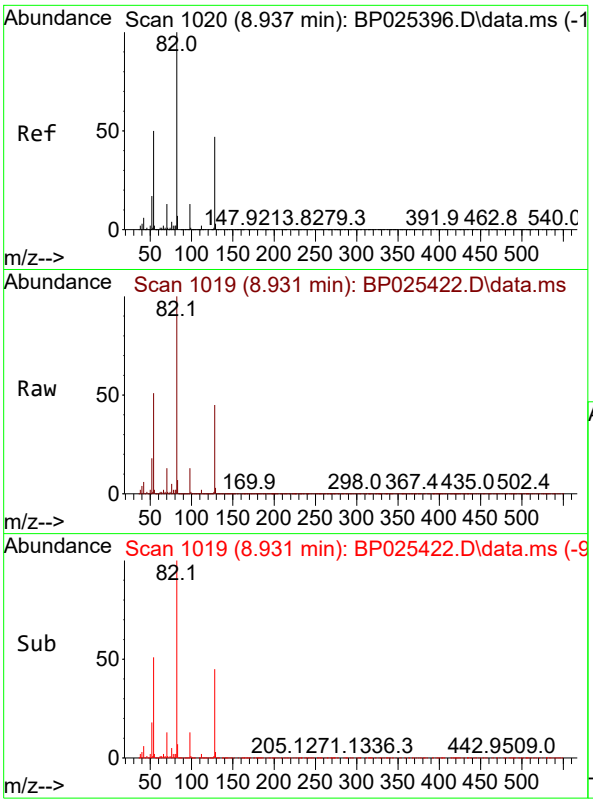


#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:105 Resp: 680116

Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8





#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 82 Resp: 109689

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
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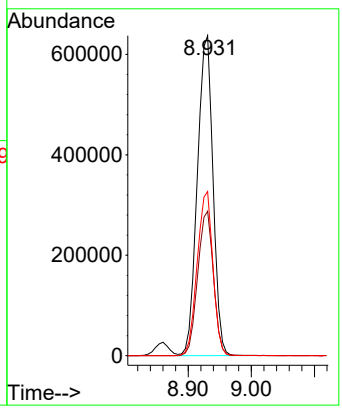
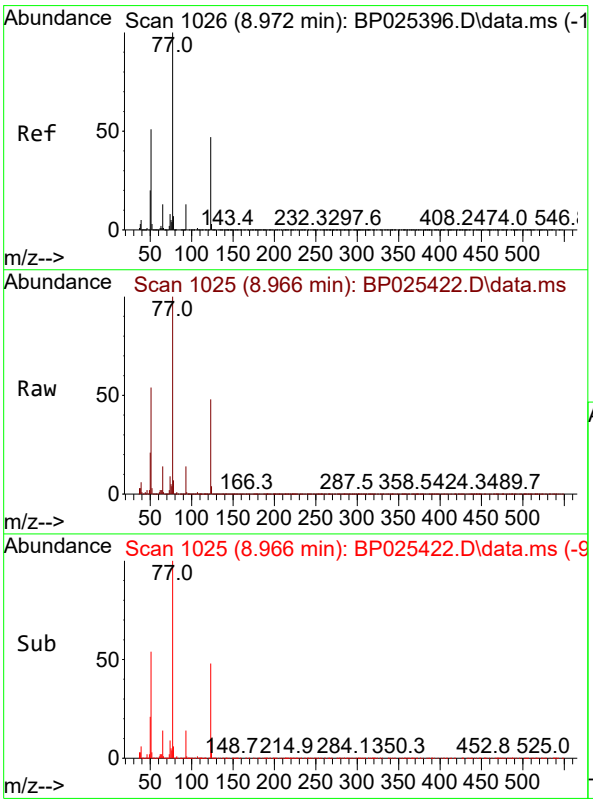
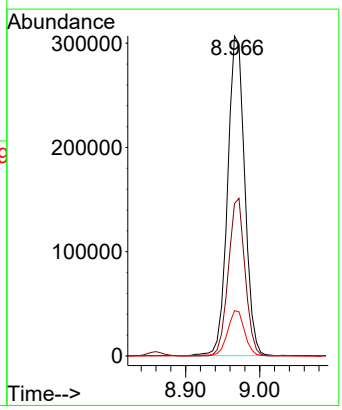


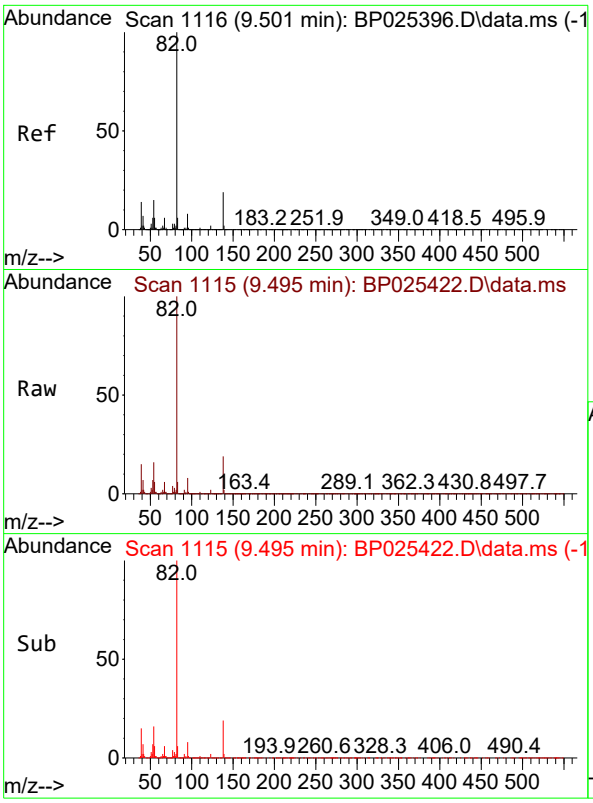


#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 491654

Ion	Ratio	Lower	Upper
77	100		
123	47.7	38.6	58.0
65	14.2	10.6	15.8





#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 82 Resp: 93889

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.8	15.4	23.0

Instrument :
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ClientSampleId :
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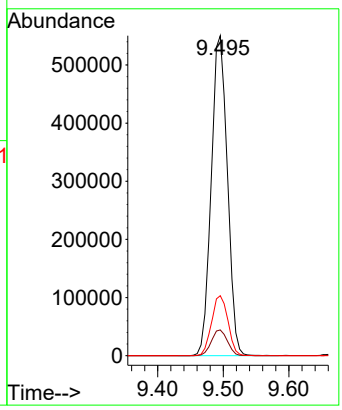
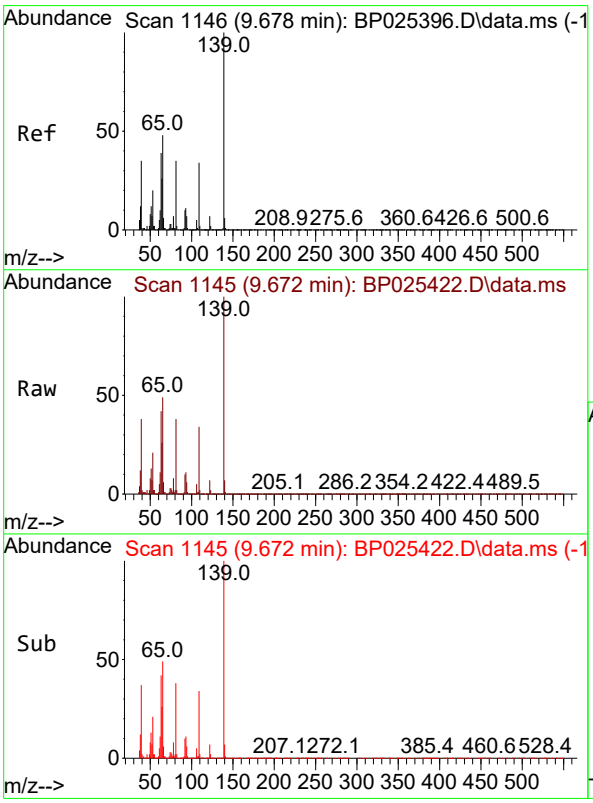
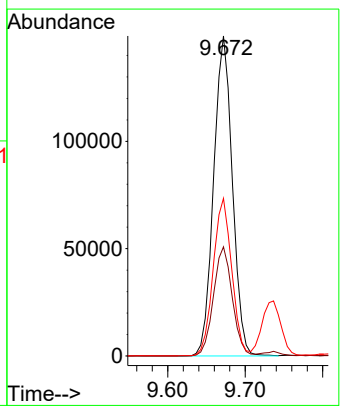


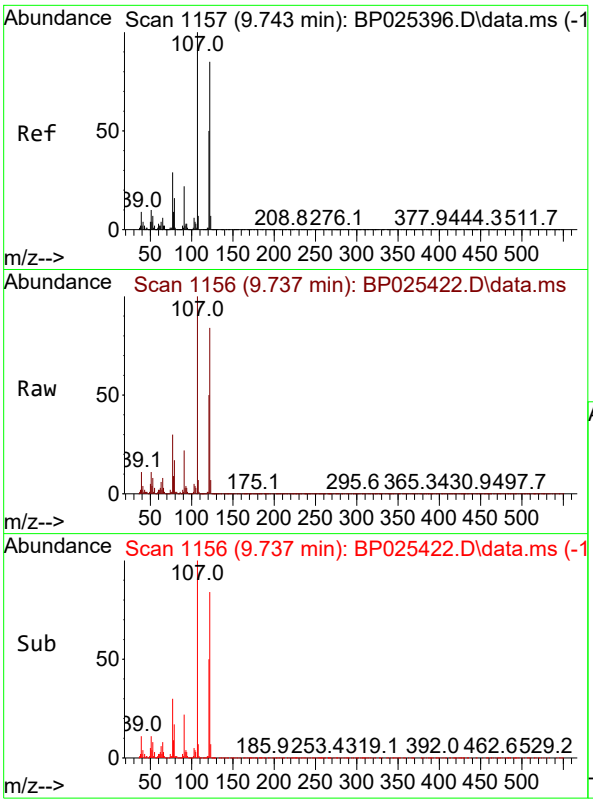


#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 250121

Ion	Ratio	Lower	Upper
139	100		
109	34.1	26.9	40.3
65	49.2	38.3	57.5

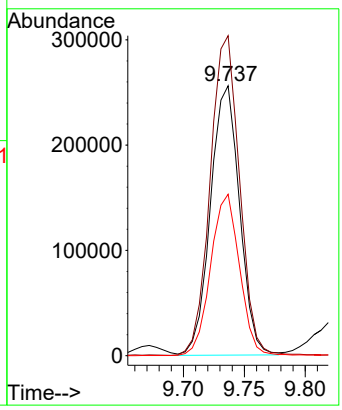




#27
2,4-Dimethylphenol
Concen: 39.018 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:122 Resp: 42533

Ion	Ratio	Lower	Upper
122	100		
107	118.5	93.7	140.5
121	59.8	46.6	69.8



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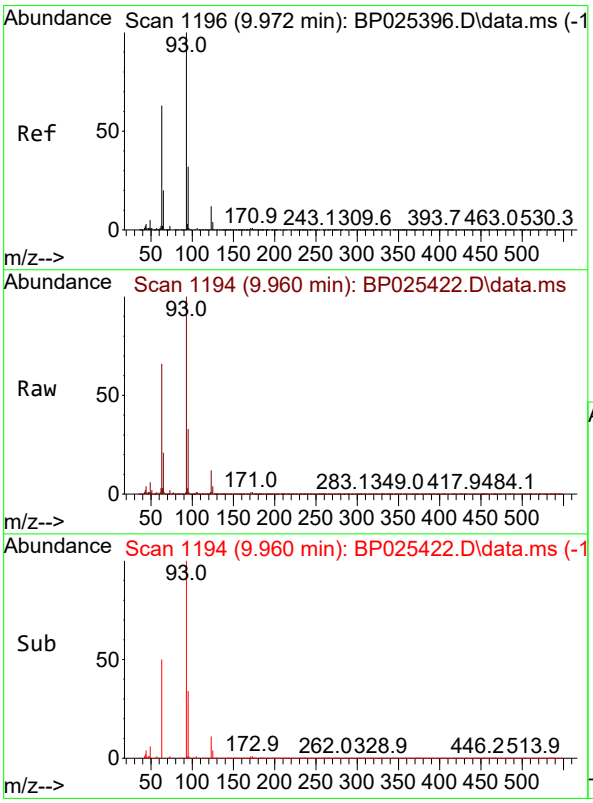
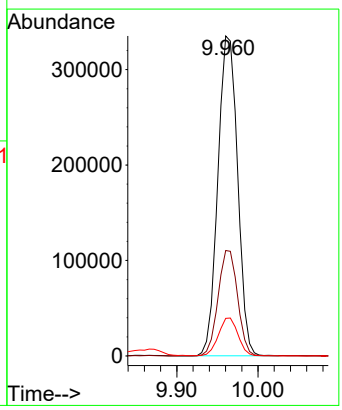
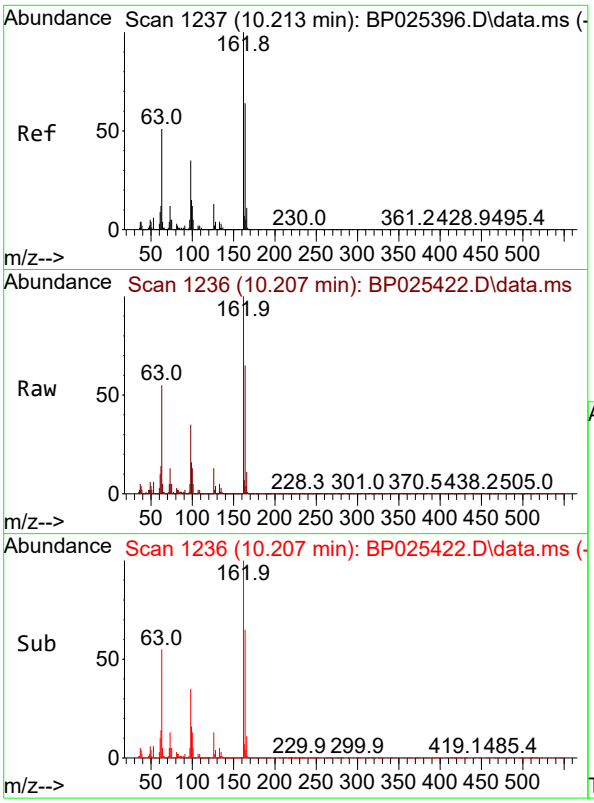


#28
bis(2-Chloroethoxy)methane
Concen: 38.258 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 565633

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.4	38.0
123	11.7	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 38.724 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:162 Resp: 41934

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	34.7	14.9	54.9

Instrument :
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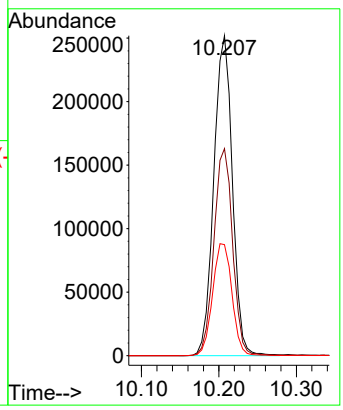
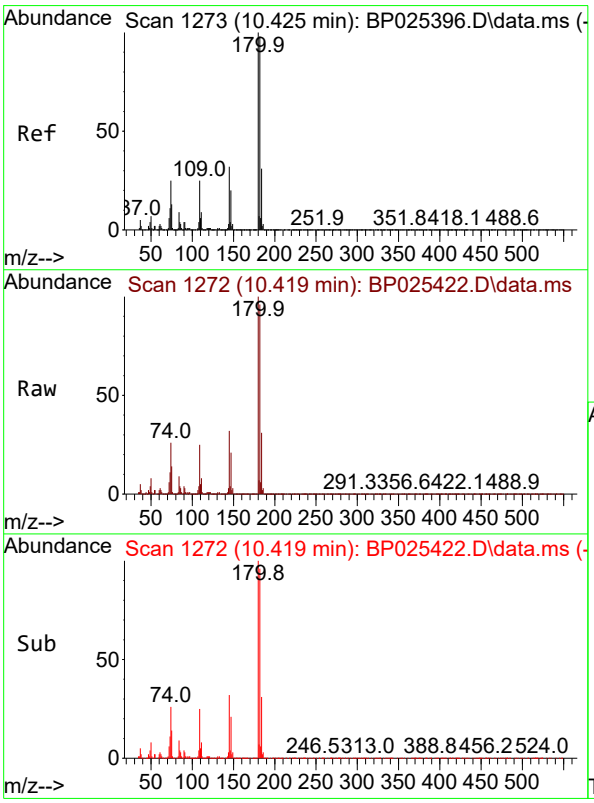
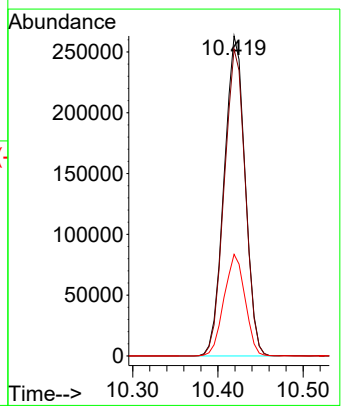


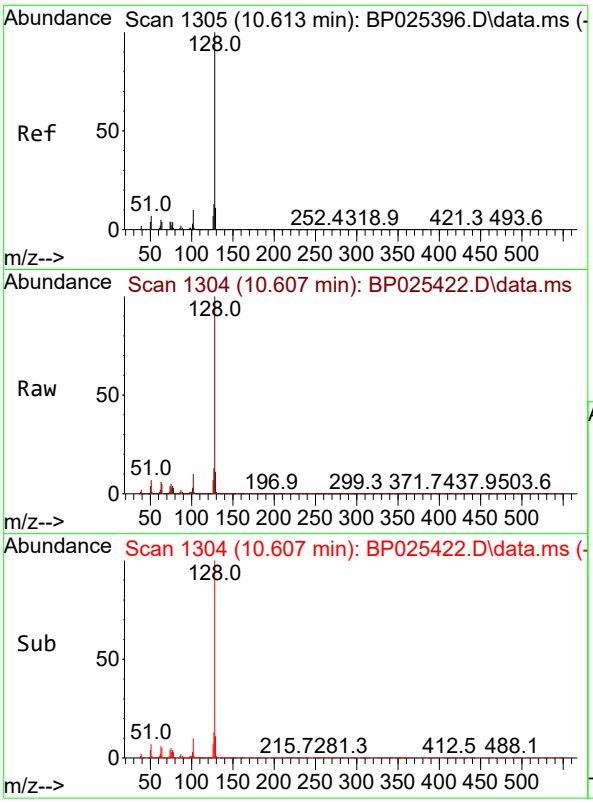


#30
1,2,4-Trichlorobenzene
Concen: 37.921 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:180 Resp: 450156

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.8	25.9	38.9





#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:128 Resp: 139257

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1

Instrument :
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ClientSampleId :
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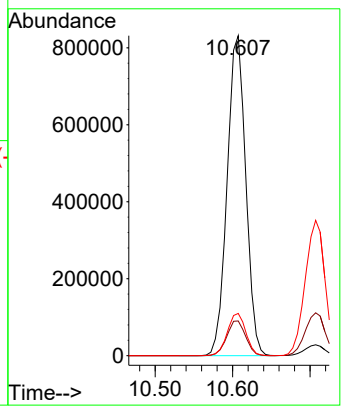
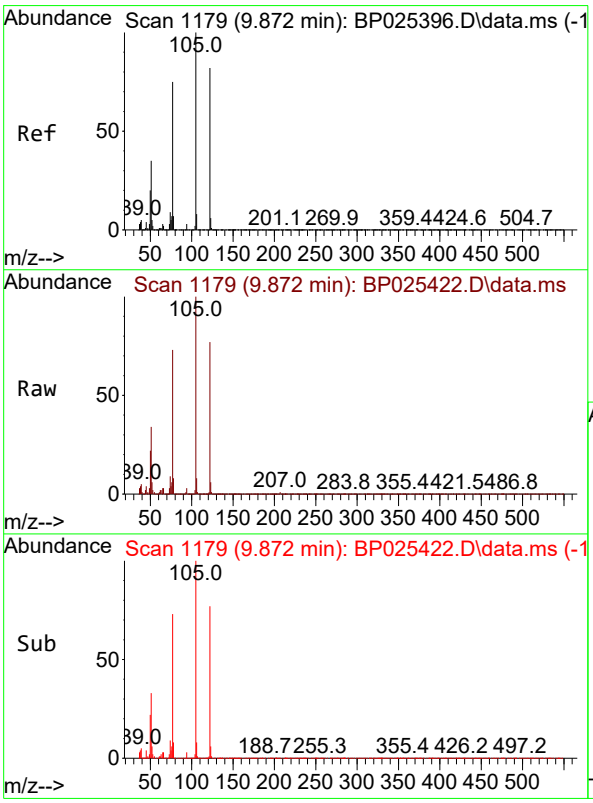
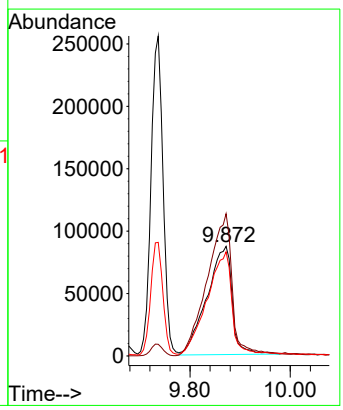


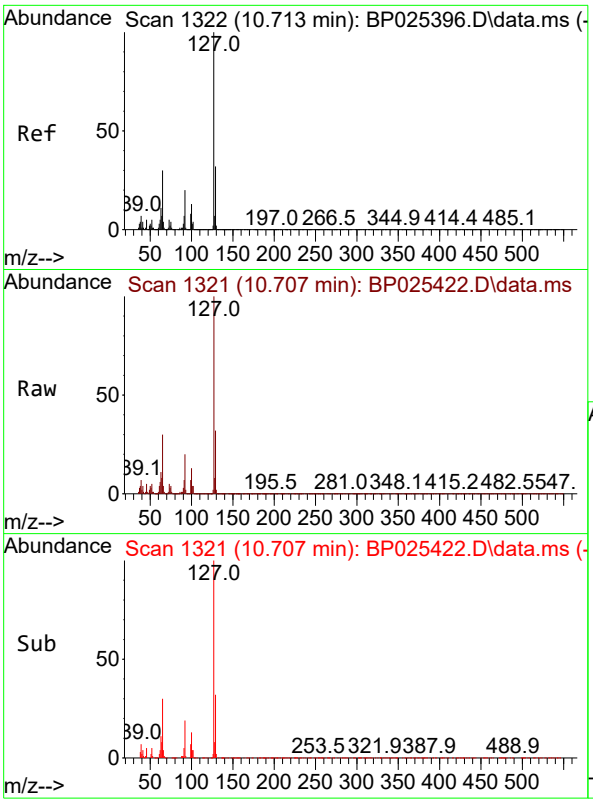


#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:122 Resp: 303683

Ion	Ratio	Lower	Upper
122	100		
105	129.8	100.6	140.6
77	95.1	71.5	111.5

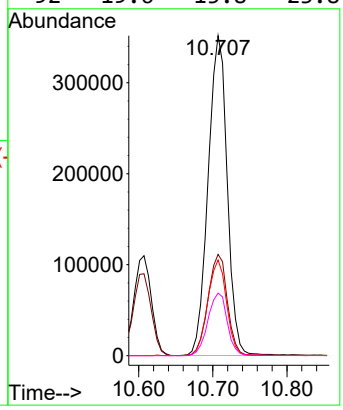




#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:127 Resp: 62860

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.9	23.8	35.6
92	19.6	15.8	23.8



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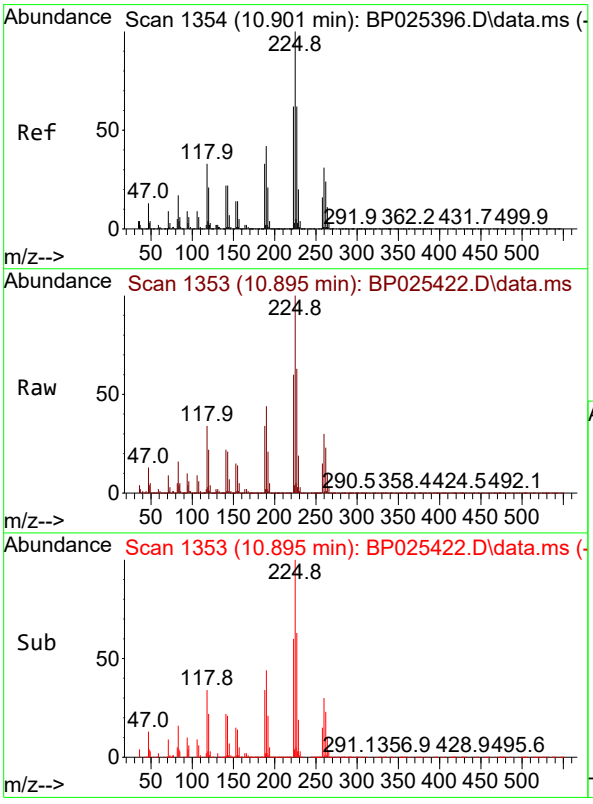
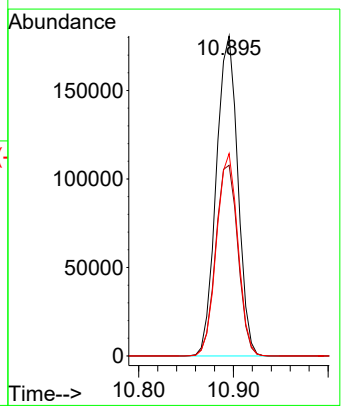
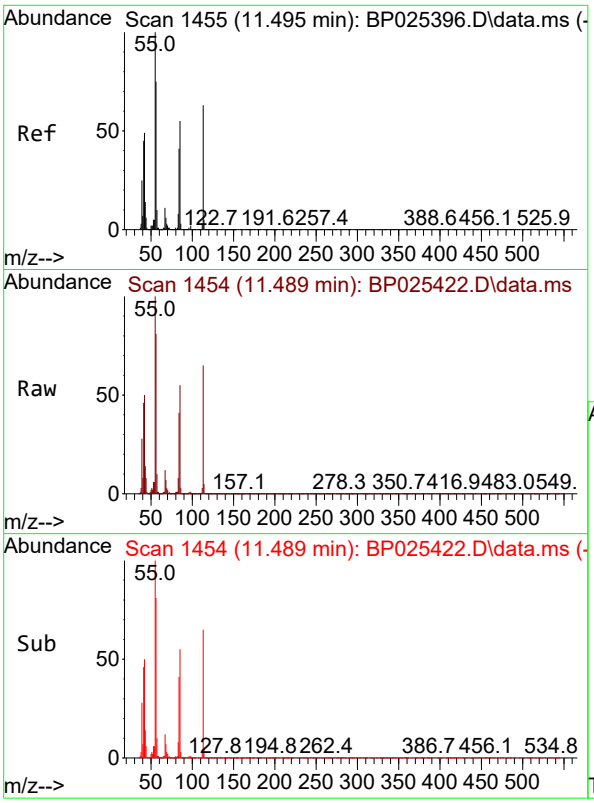


#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:225 Resp: 285751

Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.0	75.0
227	63.3	49.7	74.5





#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:113 Resp: 15069

Ion	Ratio	Lower	Upper
113	100		
55	154.8	140.0	180.0
56	124.8	100.0	140.0

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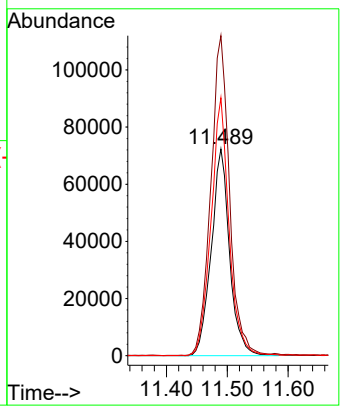
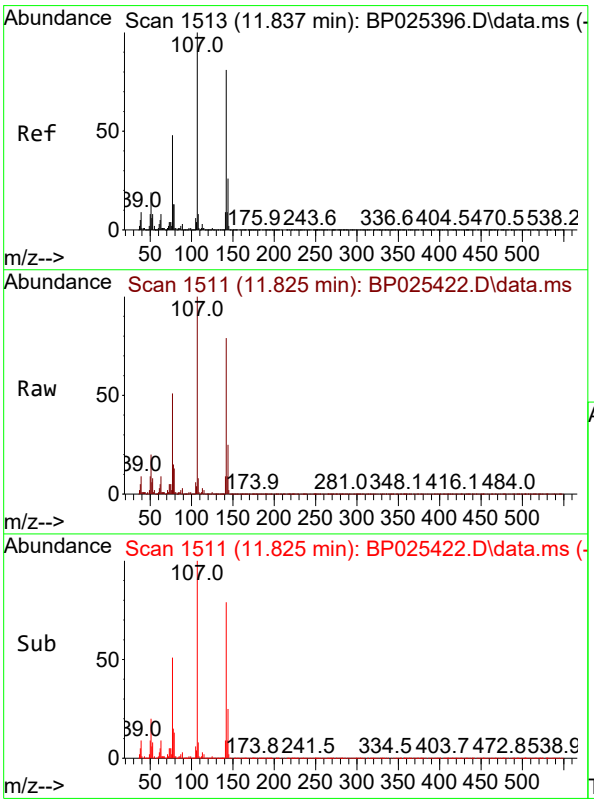
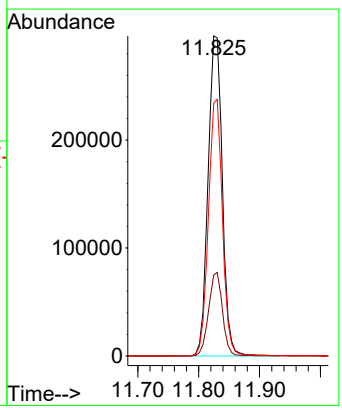


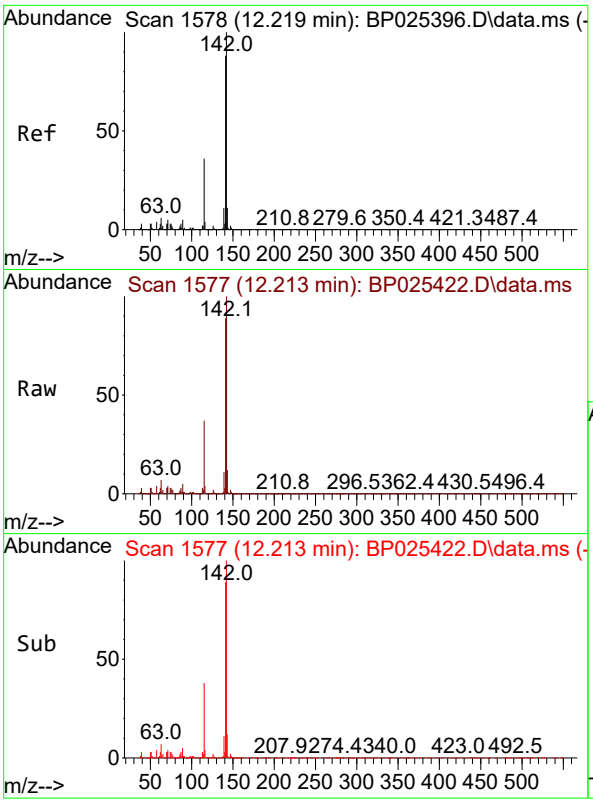


#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 482622

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.0	31.4
142	79.1	64.6	97.0





#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:142 Resp: 90308

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	37.5	28.9	43.3

Instrument :
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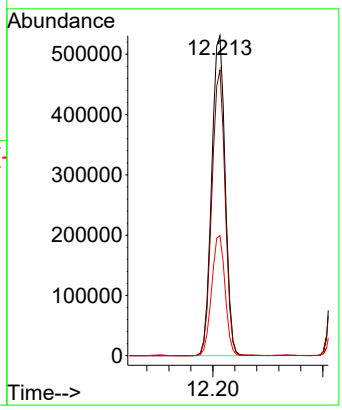
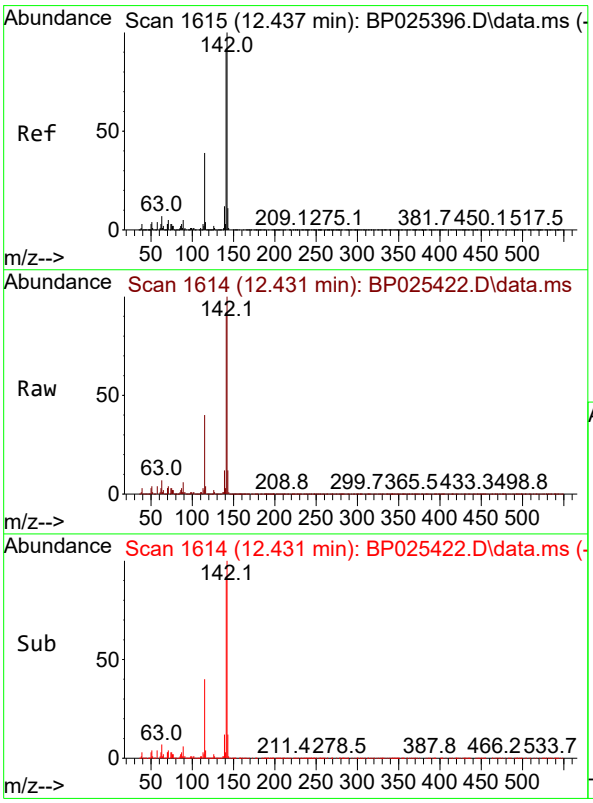
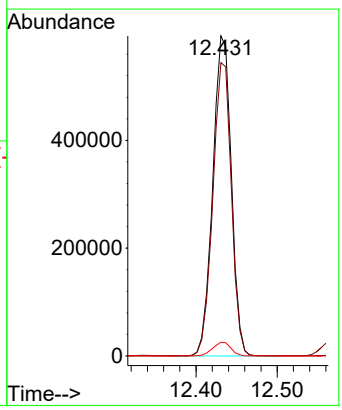


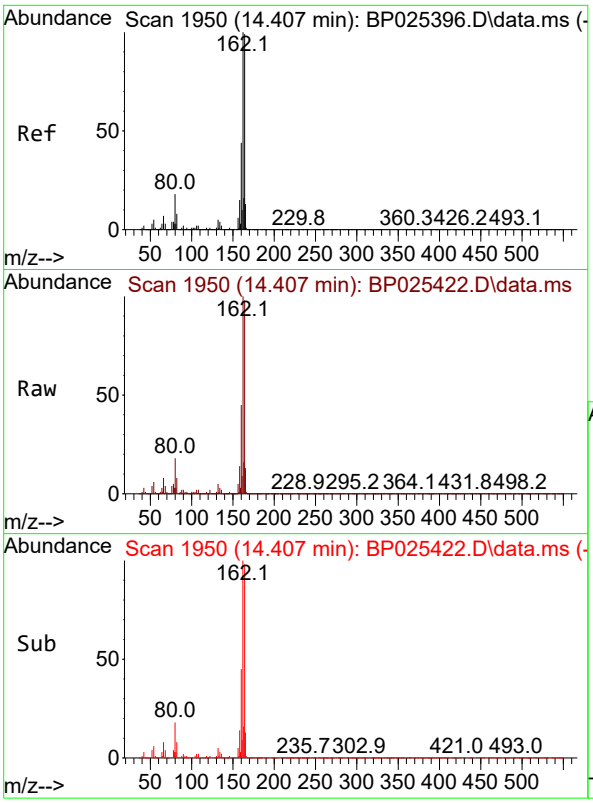


#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:142 Resp: 941493

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.1	109.7
116	4.3	3.2	4.8

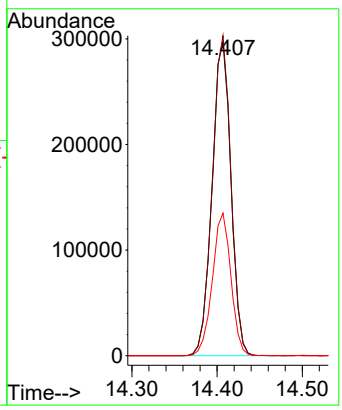




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:164 Resp: 45830

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.0	121.6
160	45.5	35.4	53.2



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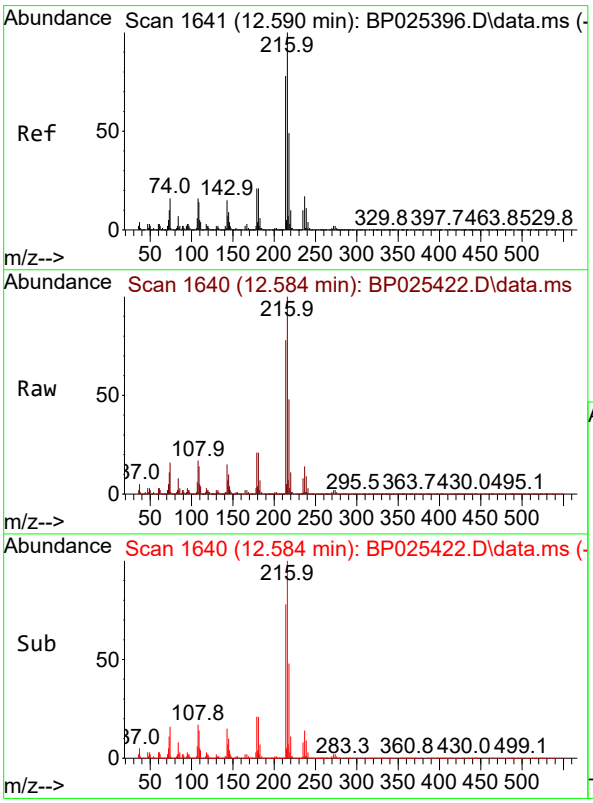
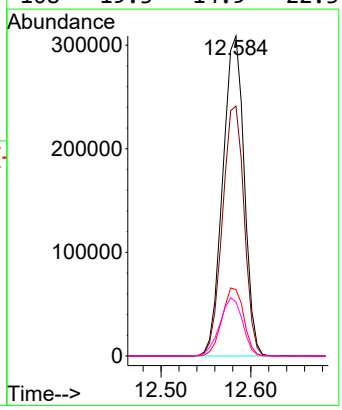
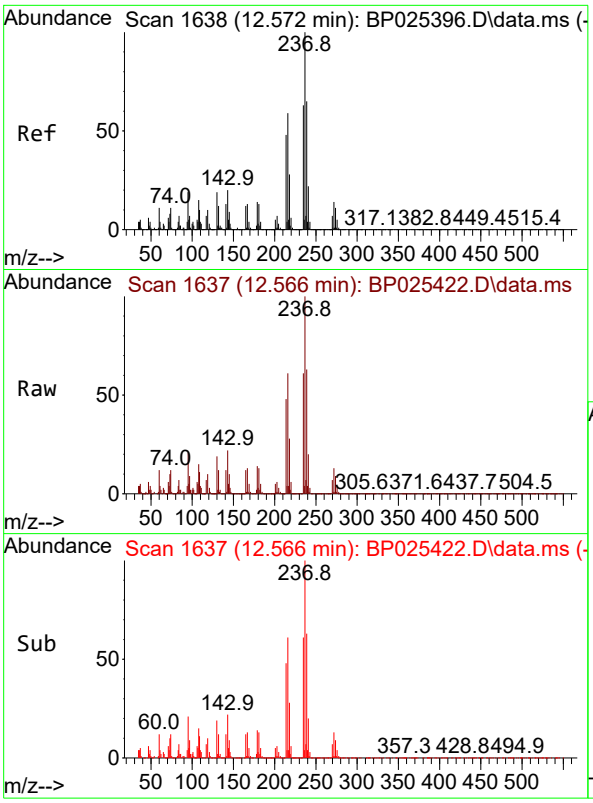


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:216 Resp: 512464

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	21.5	17.1	25.7
108	19.3	14.9	22.3

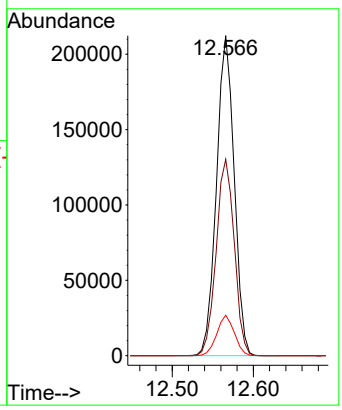




#41
Hexachlorocyclopentadiene
Concen: 40.319 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:237 Resp: 32236

Ion	Ratio	Lower	Upper
237	100		
235	61.4	42.7	82.7
272	12.7	0.0	34.0



Instrument :
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ClientSampleId :
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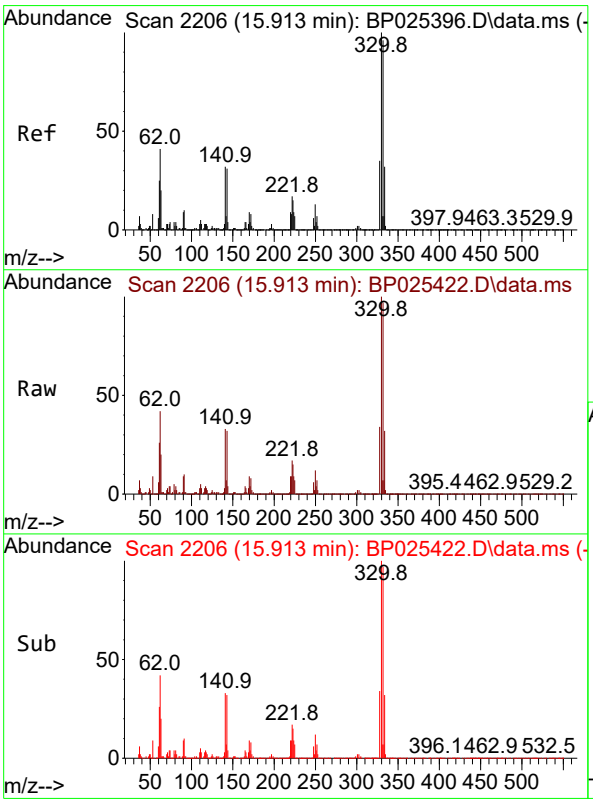
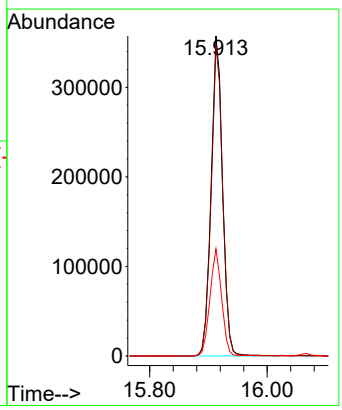
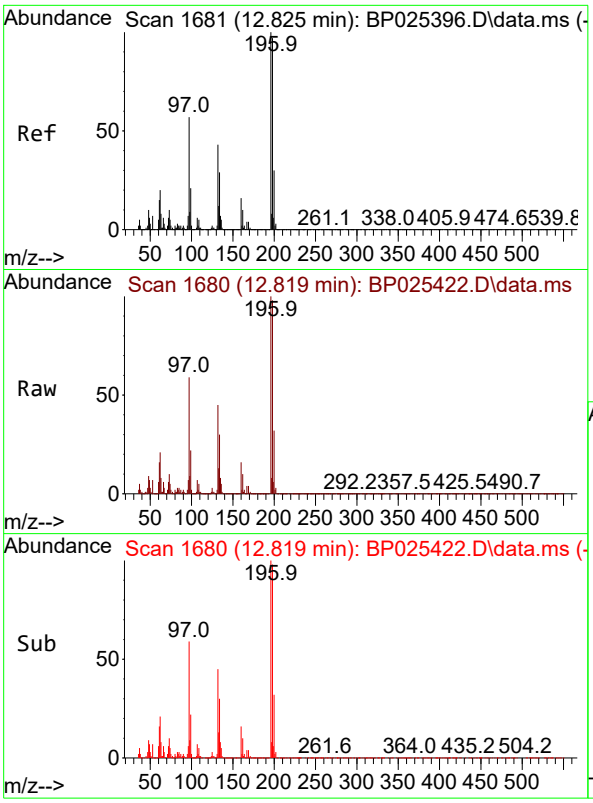


#42
2,4,6-Tribromophenol
Concen: 78.381 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:330 Resp: 483517

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	34.0	26.6	39.8

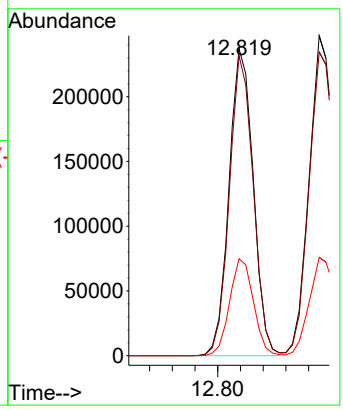




#43
2,4,6-Trichlorophenol
Concen: 39.291 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 35110

Ion	Ratio	Lower	Upper
196	100		
198	97.7	77.2	115.8
200	31.6	23.9	35.9



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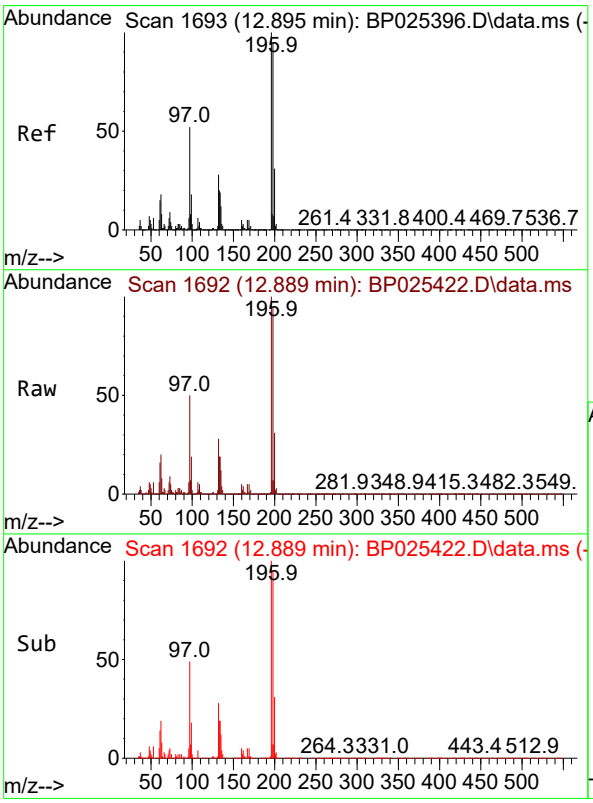
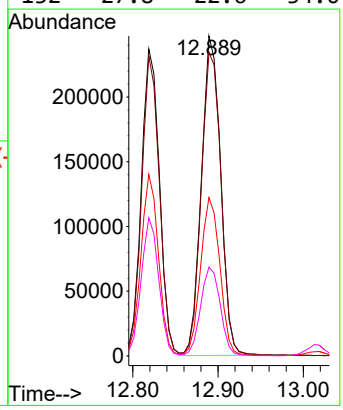
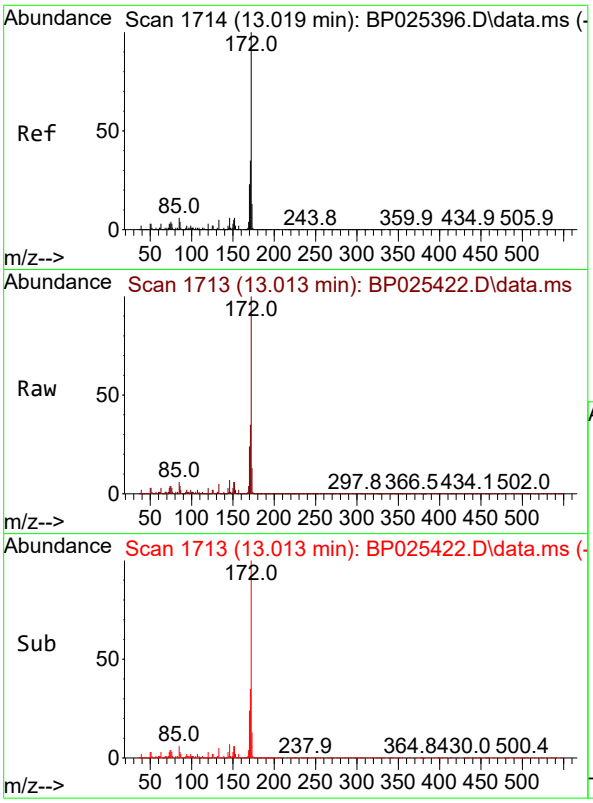


#44
2,4,5-Trichlorophenol
Concen: 39.656 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 388369

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.2
97	49.5	41.2	61.8
132	27.8	22.6	34.0

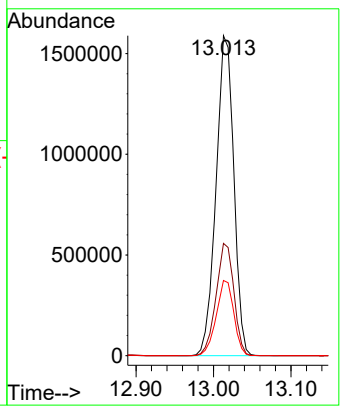




#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:172 Resp: 253010

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.5	18.6	28.0



Instrument :
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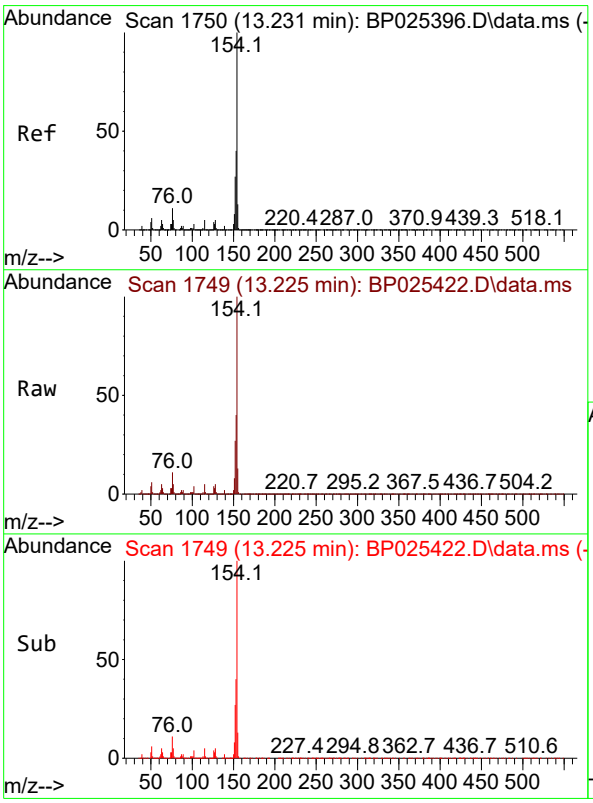
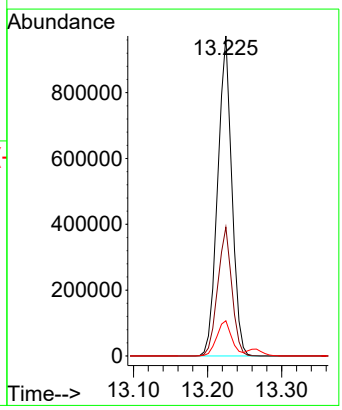
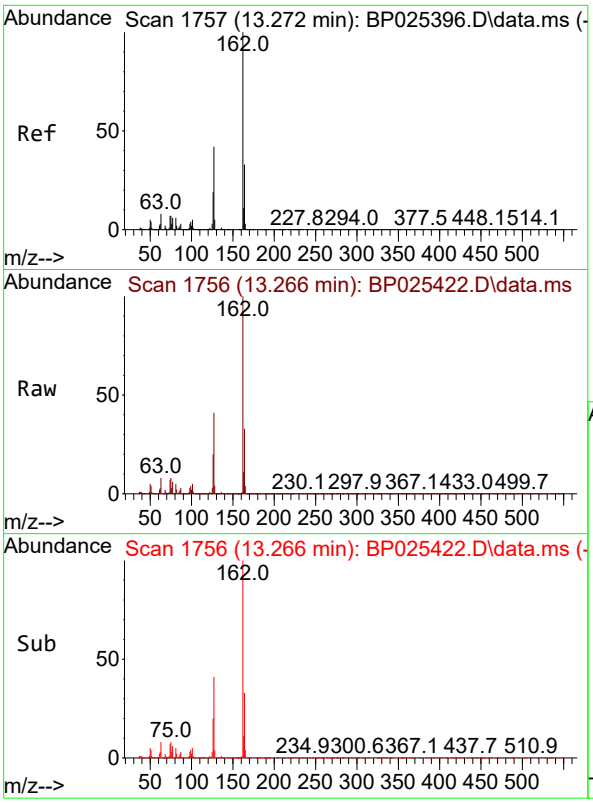


#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1287182

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.0	0.0	31.1

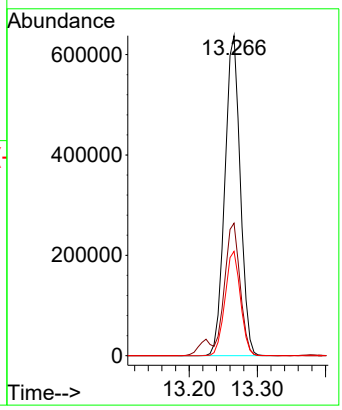




#47
2-Chloronaphthalene
Concen: 38.780 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:162 Resp: 100485

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.4	50.2
164	32.6	26.2	39.2



Instrument :
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ClientSampleId :
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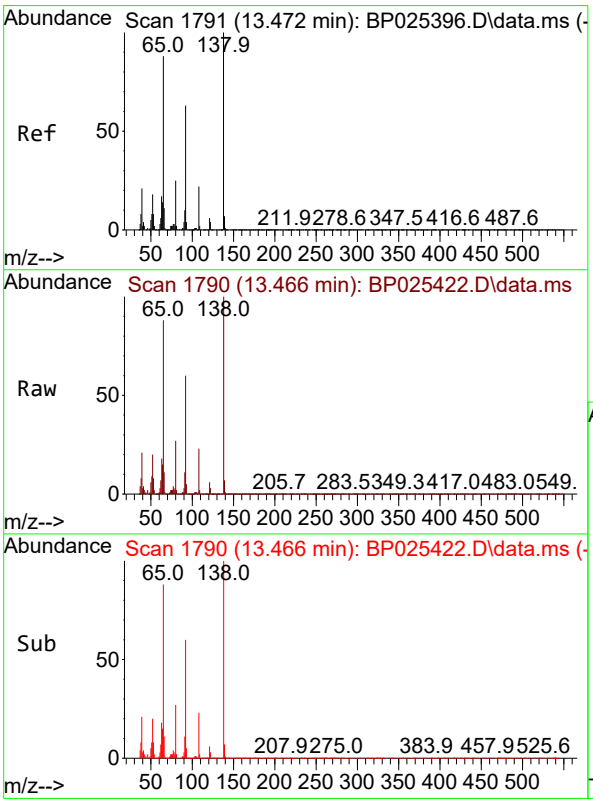
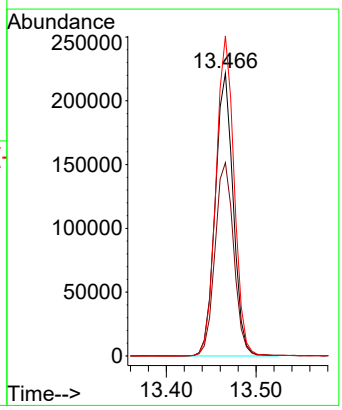
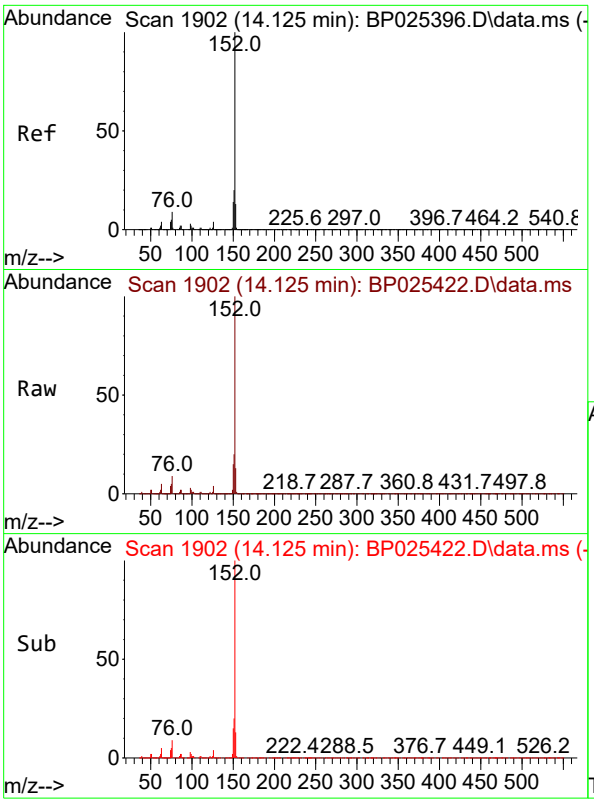


#48
2-Nitroaniline
Concen: 40.910 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 65 Resp: 308875

Ion	Ratio	Lower	Upper
65	100		
92	68.4	57.6	86.4
138	113.2	91.0	136.6

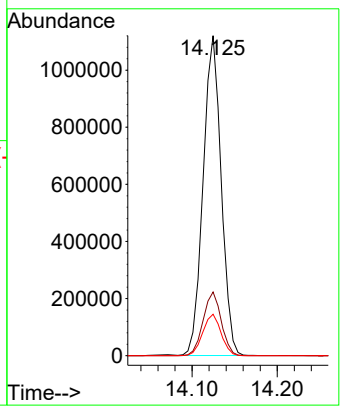




#49
Acenaphthylene
Concen: 38.457 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:152 Resp: 164888

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.9	10.6	15.8



Instrument :
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ClientSampleId :
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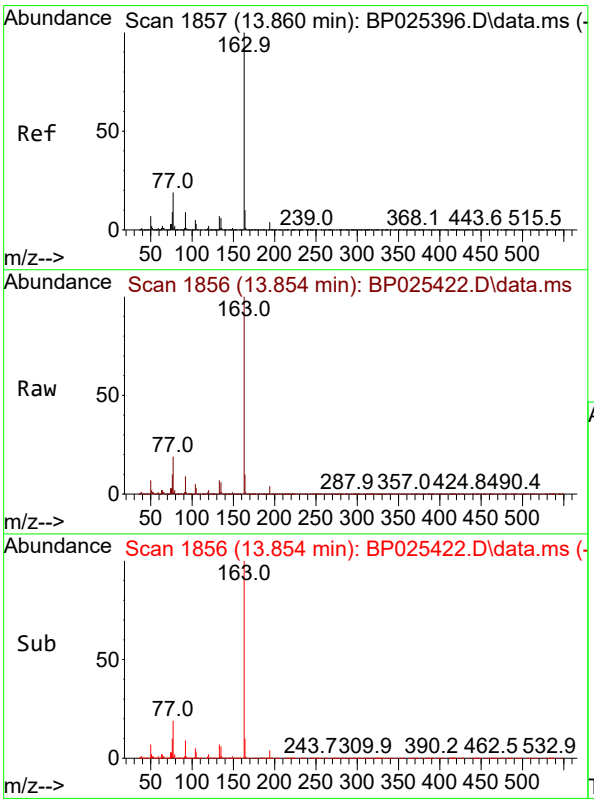
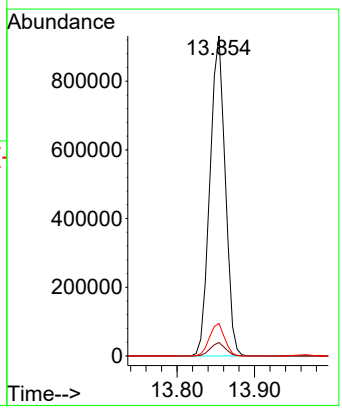
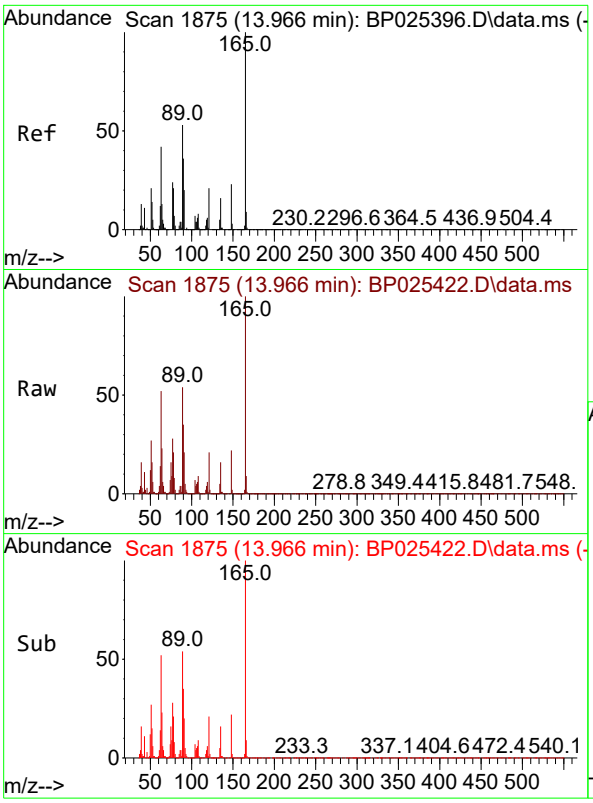


#50
Dimethylphthalate
Concen: 38.040 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:163 Resp: 1276659

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:165 Resp: 28738

Ion	Ratio	Lower	Upper
165	100		
63	52.5	40.9	61.3
89	54.3	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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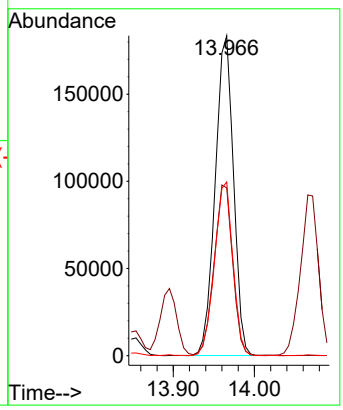
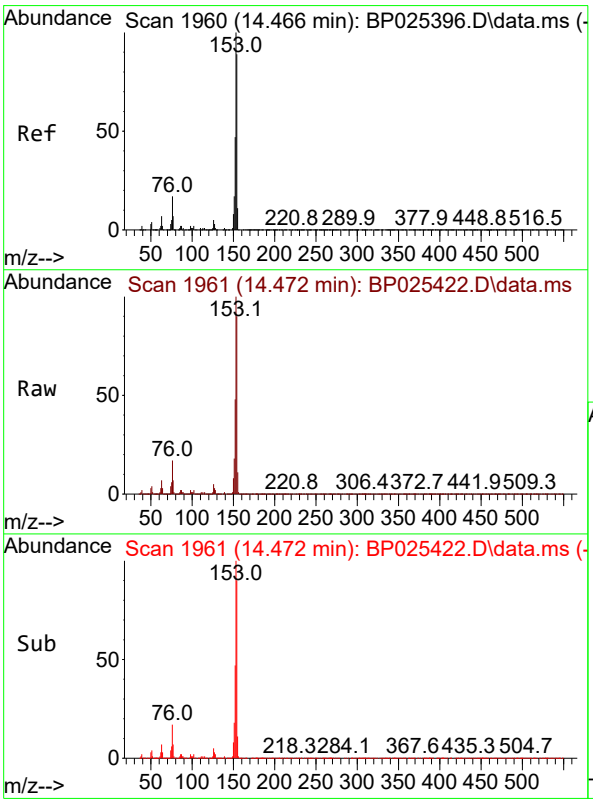
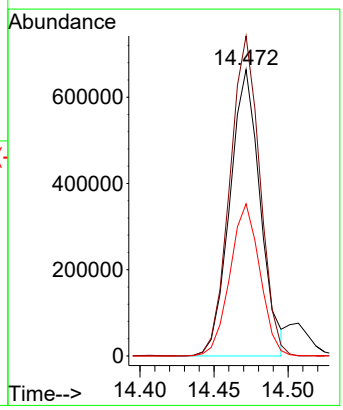


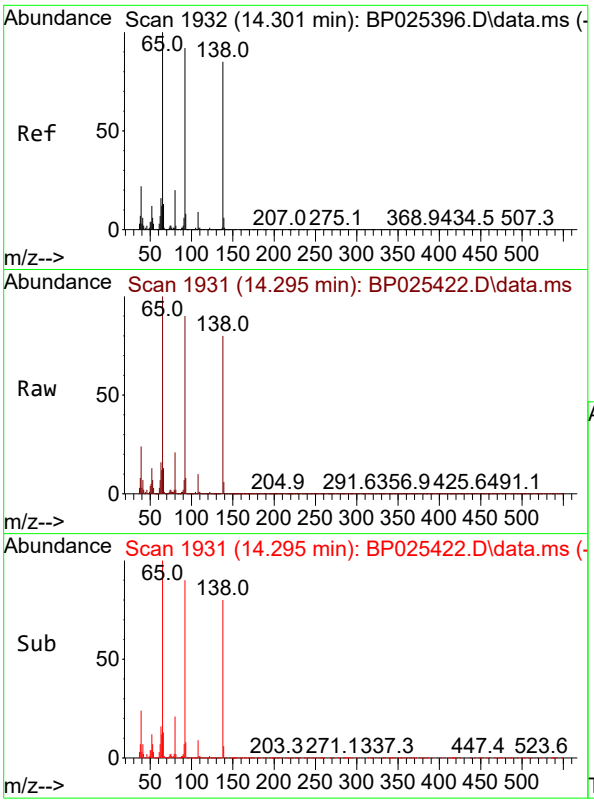


#52
Acenaphthene
Concen: 37.707 ng m
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 949003

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	53.1	42.1	63.1





#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 31868

Ion	Ratio	Lower	Upper
138	100		
108	11.9	8.3	12.5
92	112.8	86.2	129.2

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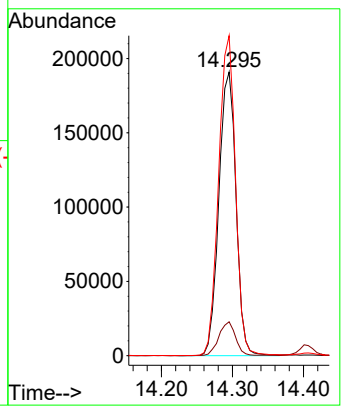
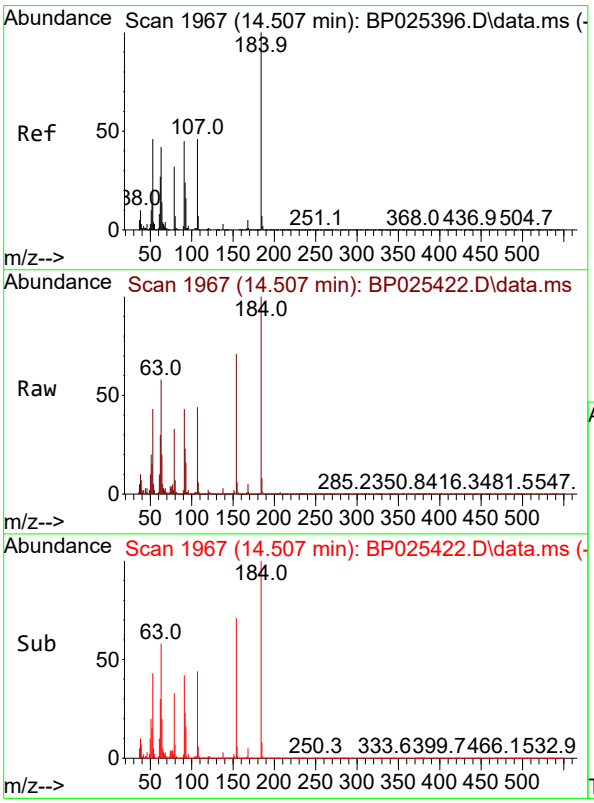
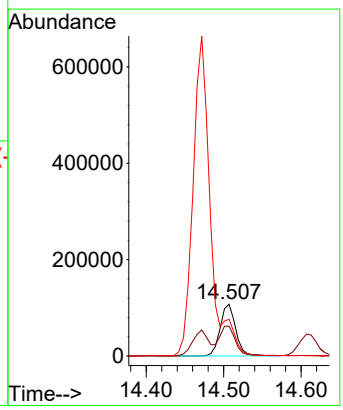


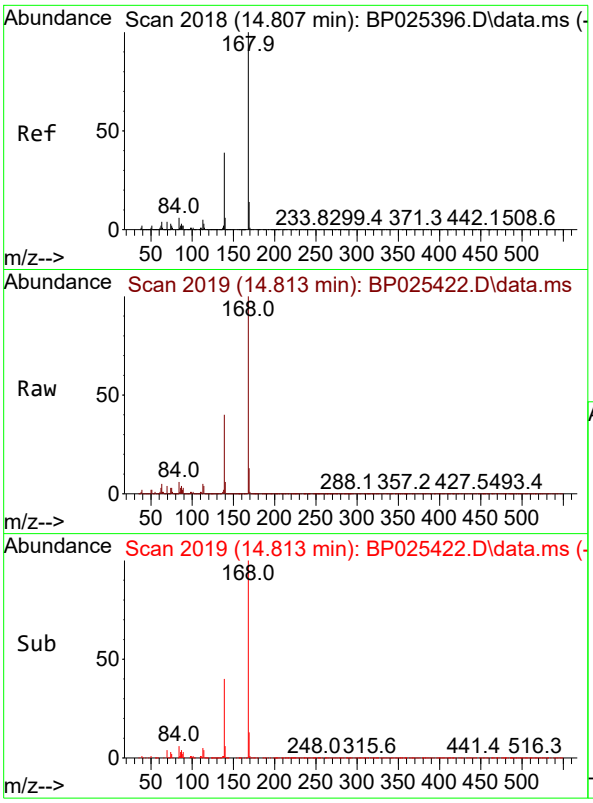


#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:184 Resp: 150322

Ion	Ratio	Lower	Upper
184	100		
63	57.7	49.4	74.2
154	70.9	54.6	82.0

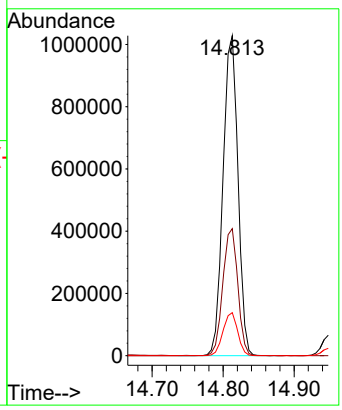




#55
Dibenzofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:168 Resp: 149192

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.5	47.3
169	13.4	10.9	16.3



Instrument :
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ClientSampleId :
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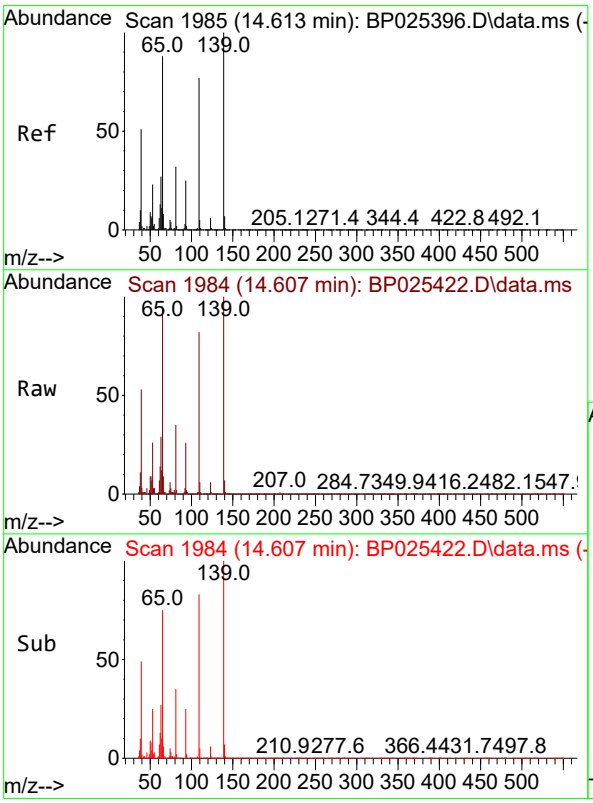
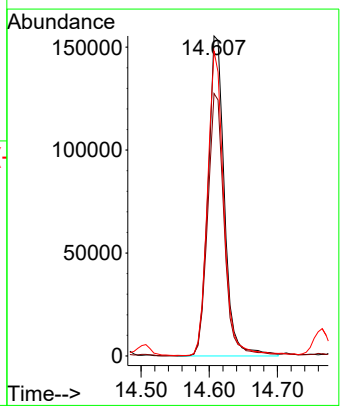
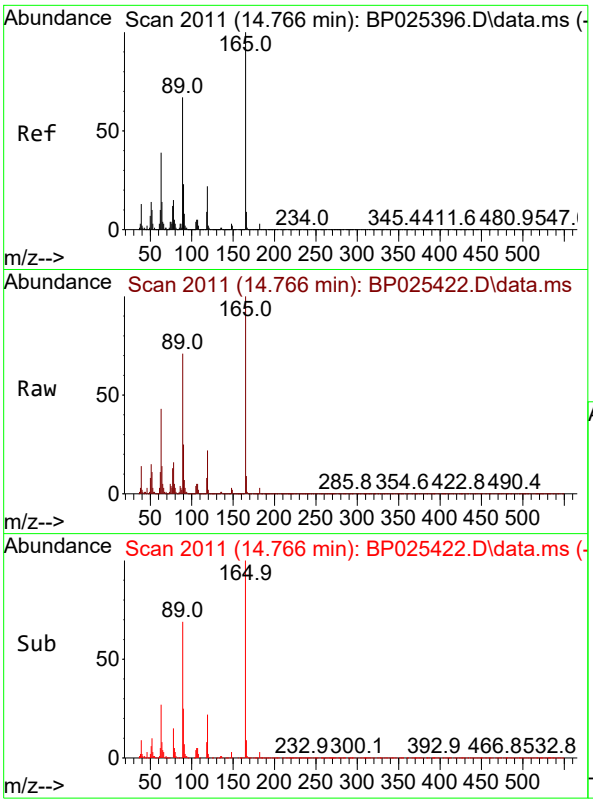


#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 260098

Ion	Ratio	Lower	Upper
139	100		
109	82.0	56.6	96.6
65	95.2	68.2	108.2

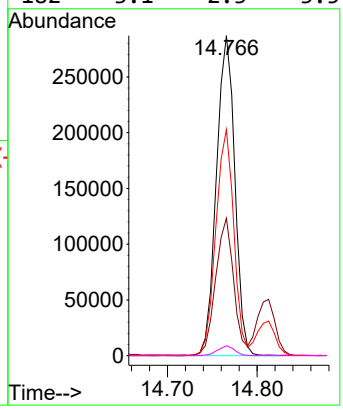




#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:165 Resp: 40891

Ion	Ratio	Lower	Upper
165	100		
63	43.0	31.4	47.2
89	70.7	53.3	79.9
182	3.1	2.3	3.5



Instrument :
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ClientSampleId :
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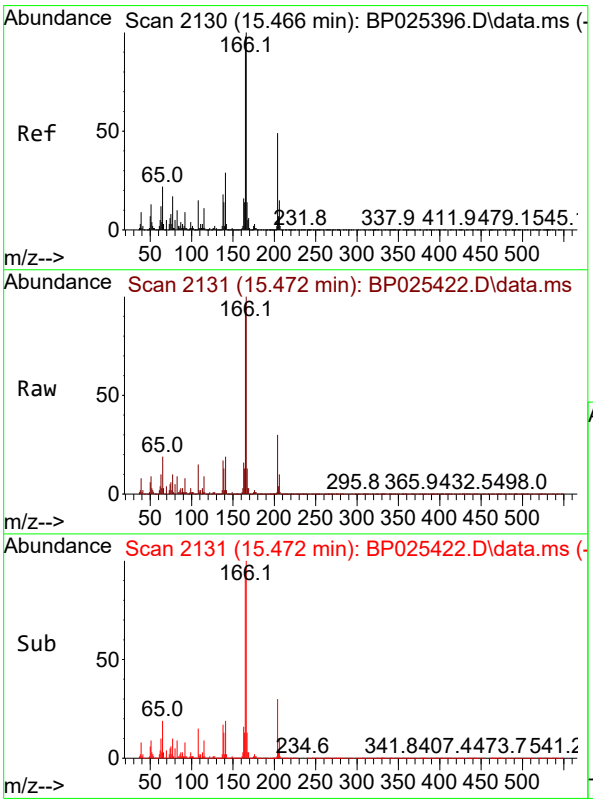
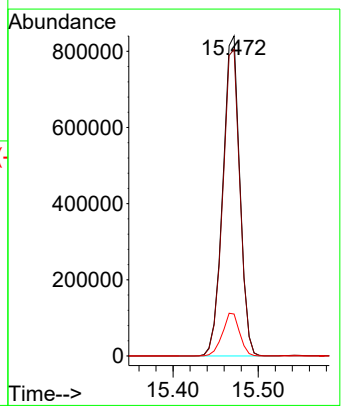
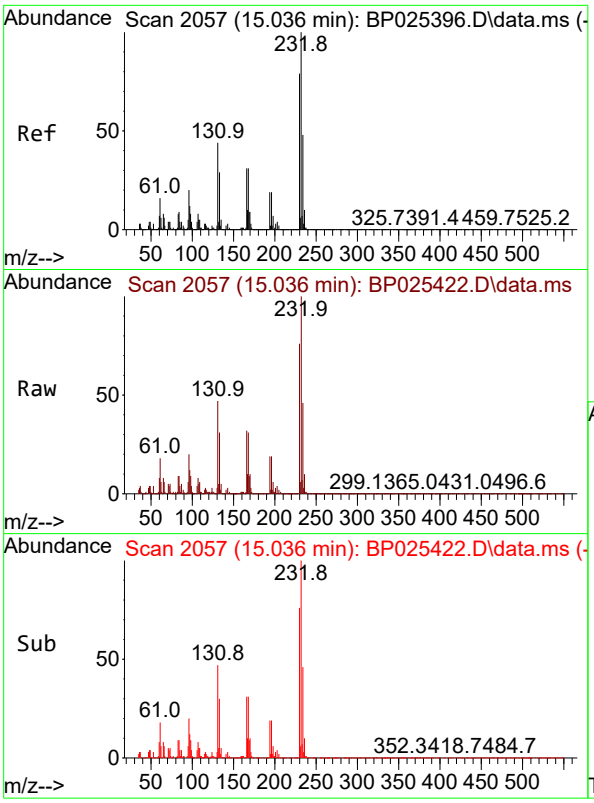


#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:166 Resp: 1165482

Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	13.1	11.0	16.4

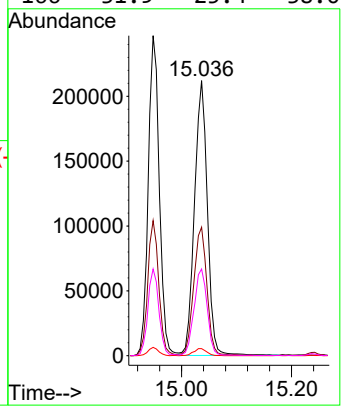




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:232 Resp: 34527

Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.6
130	2.6	1.9	2.9
166	31.9	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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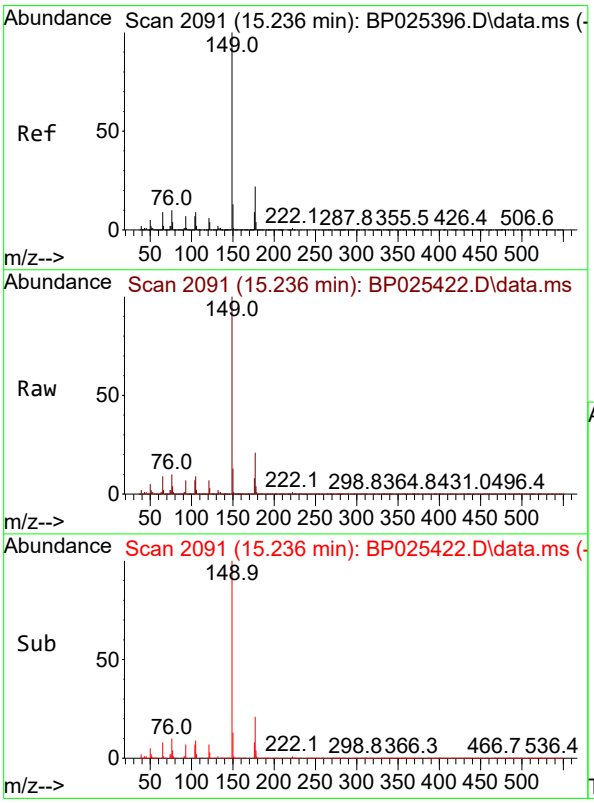
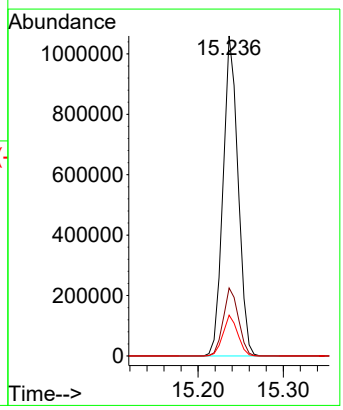
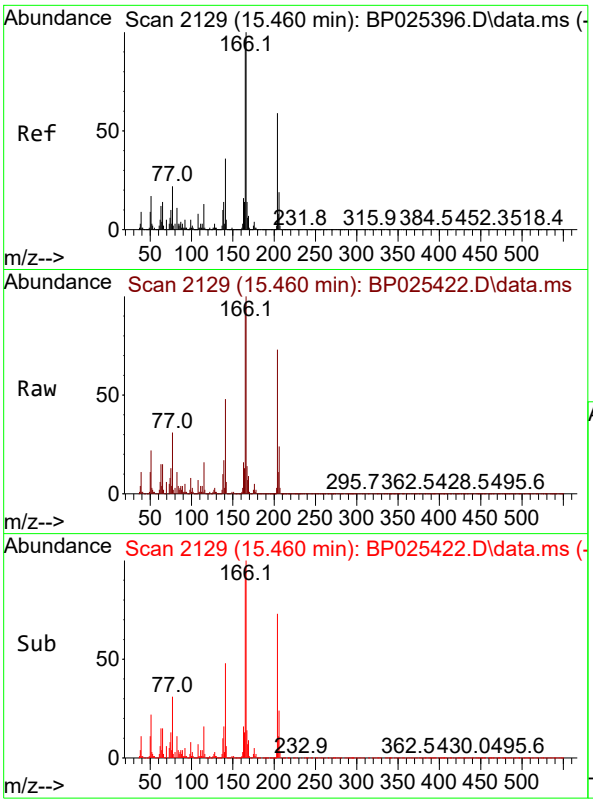


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1297841

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:204 Resp: 57533

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.8
141	66.6	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
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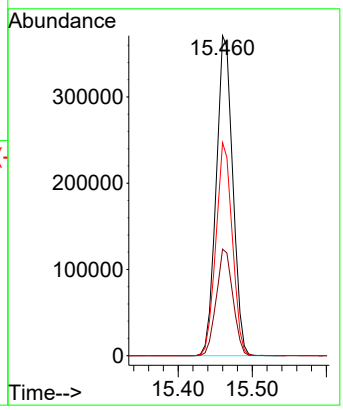
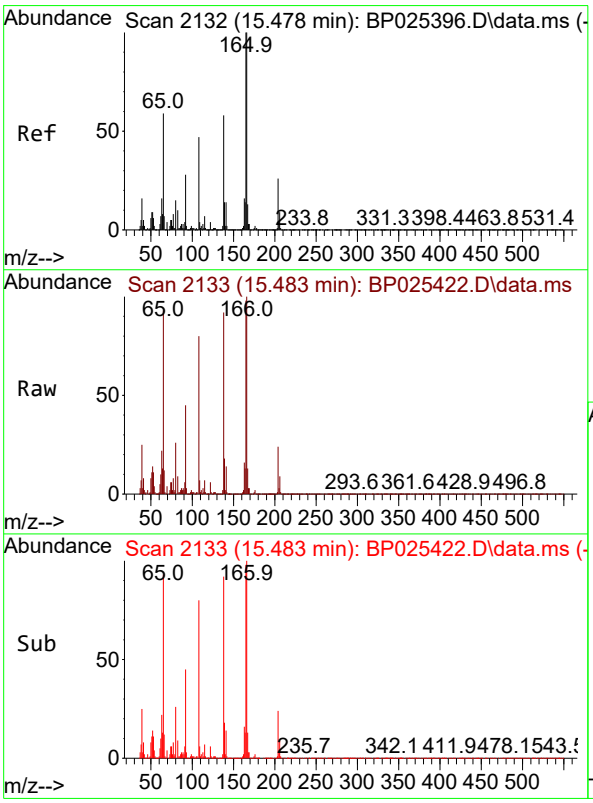
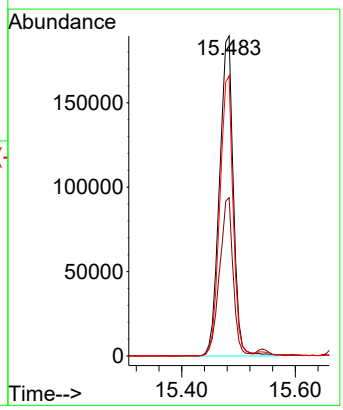


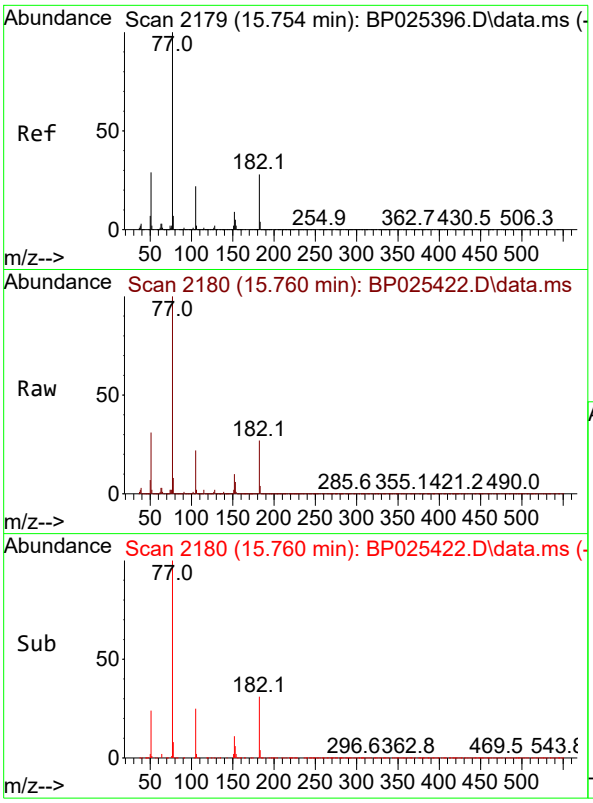


#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:138 Resp: 321438

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.1	69.1
108	87.5	61.5	101.5

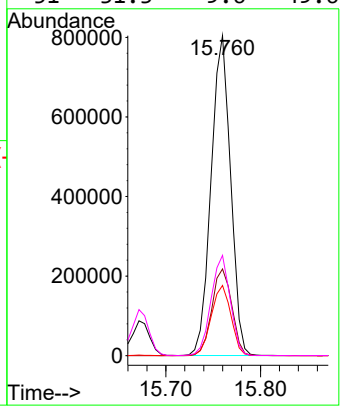




#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 114700

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.0	2.1	42.1
51	31.3	9.6	49.6



Instrument :
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ClientSampleId :
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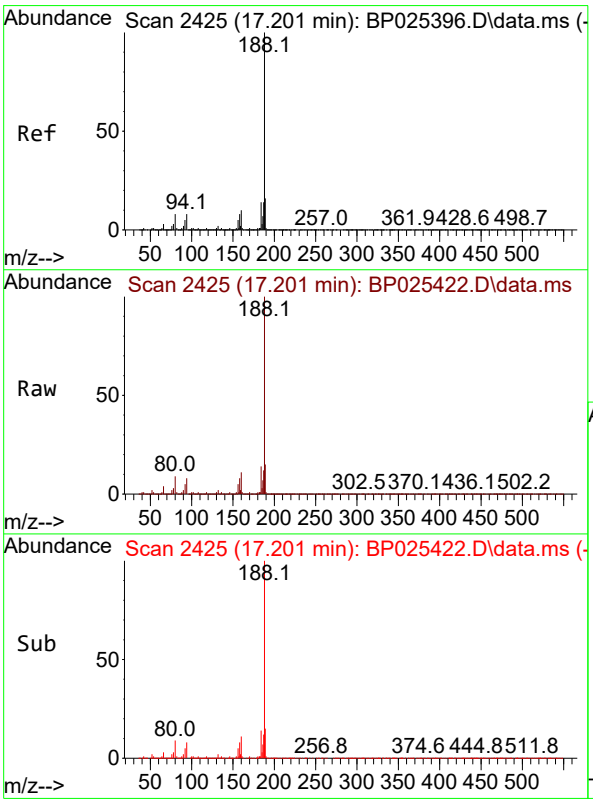
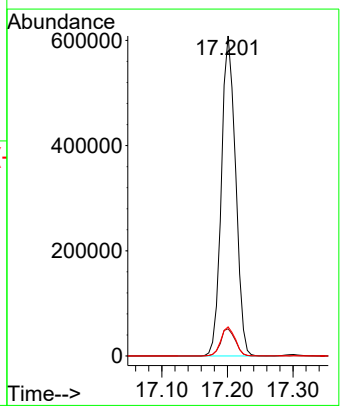
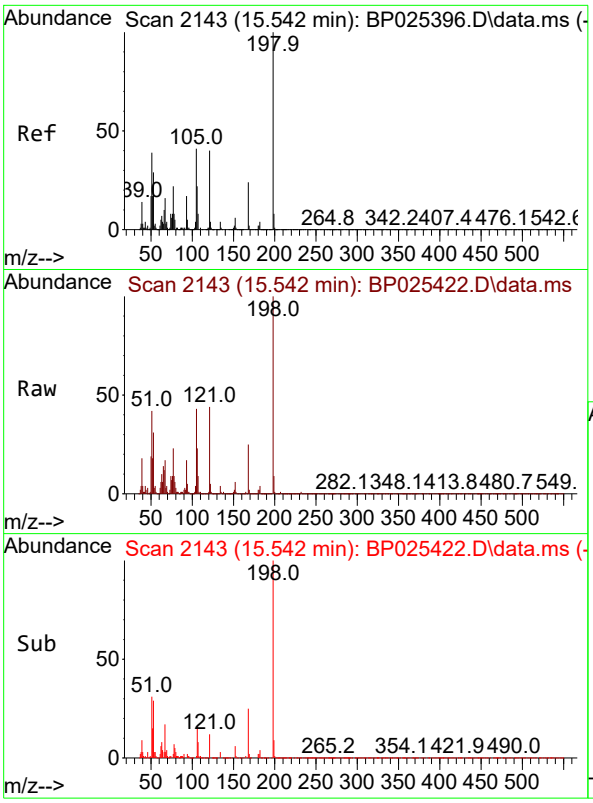


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:188 Resp: 913689

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	6.7	10.1

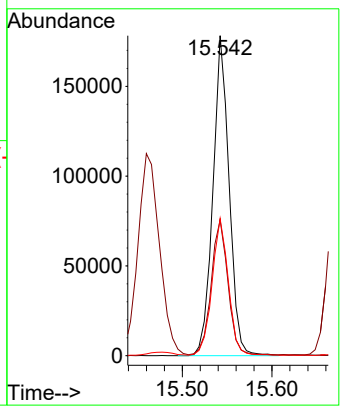




#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:198 Resp: 22356

Ion	Ratio	Lower	Upper
198	100		
51	42.4	19.6	59.6
105	42.9	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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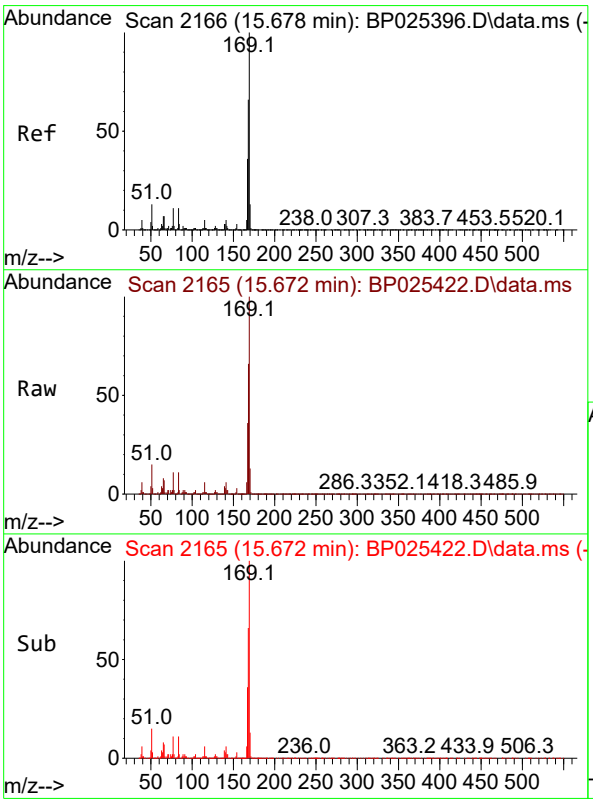
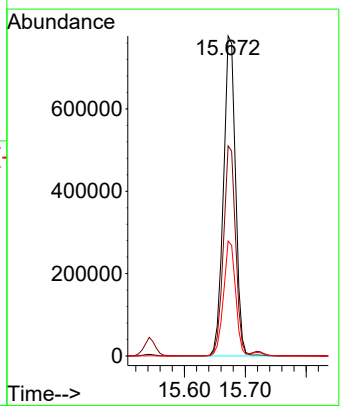
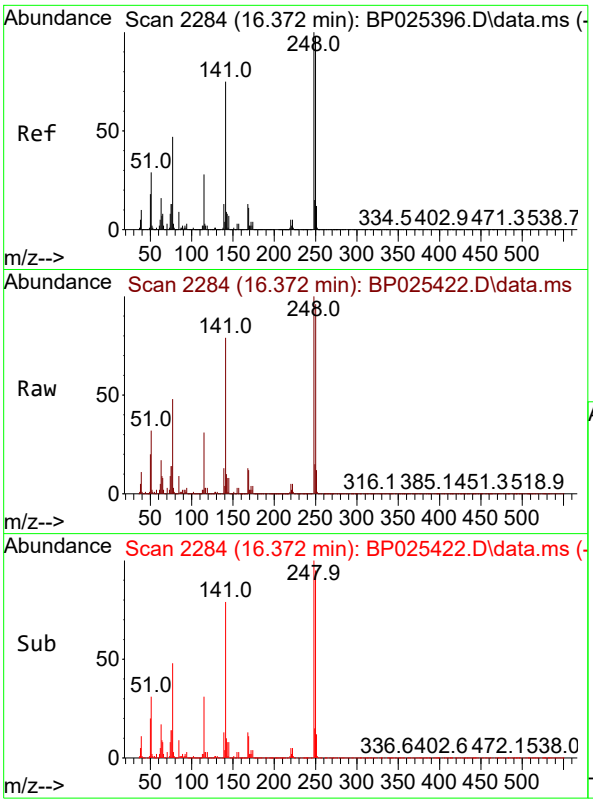


#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:169 Resp: 1073233

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	35.9	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:248 Resp: 38381

Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.2	117.2
141	78.8	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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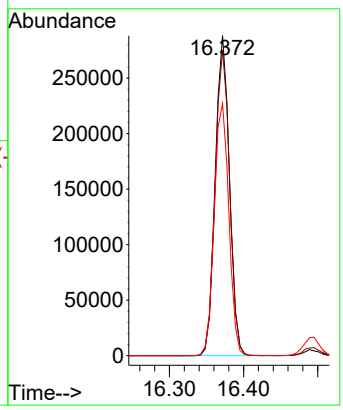
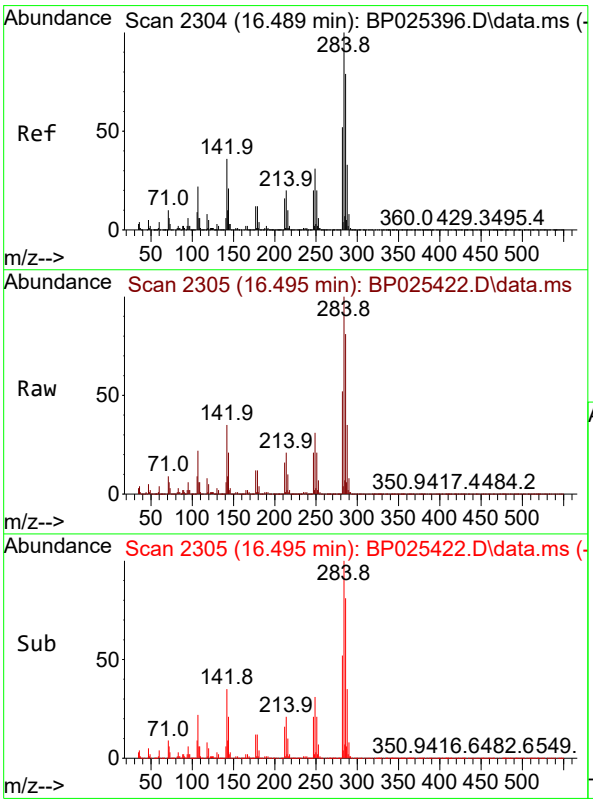
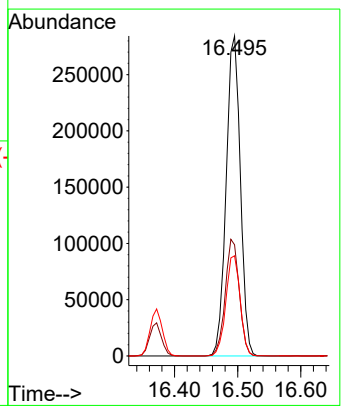


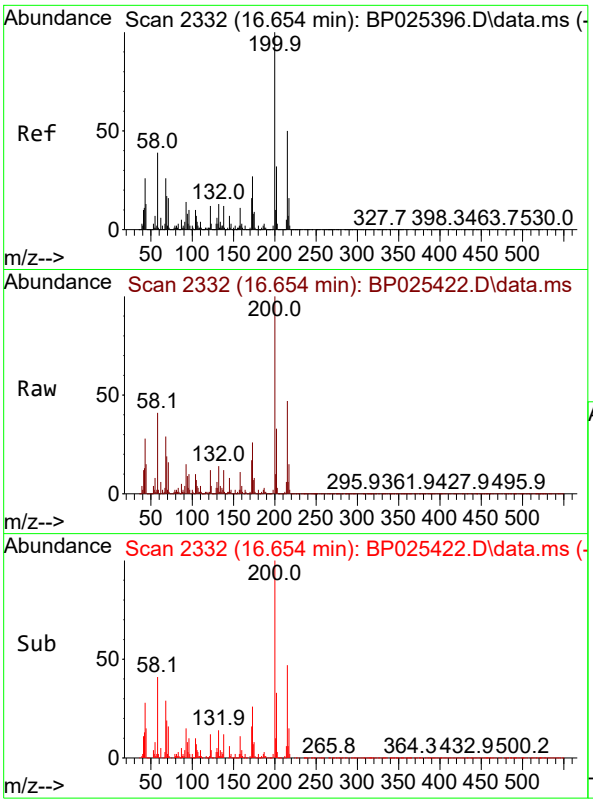


#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:284 Resp: 442250

Ion	Ratio	Lower	Upper
284	100		
142	34.8	29.1	43.7
249	31.3	25.0	37.4

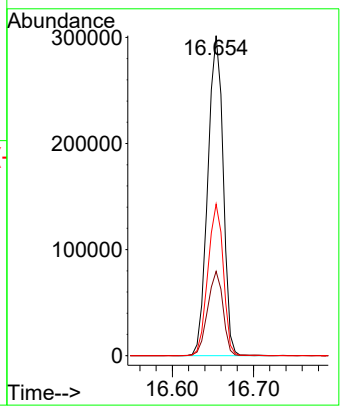




#69
Atrazine
Concen: 37.872 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:200 Resp: 39516

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.7	46.7
215	47.3	29.7	69.7



Instrument :
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ClientSampleId :
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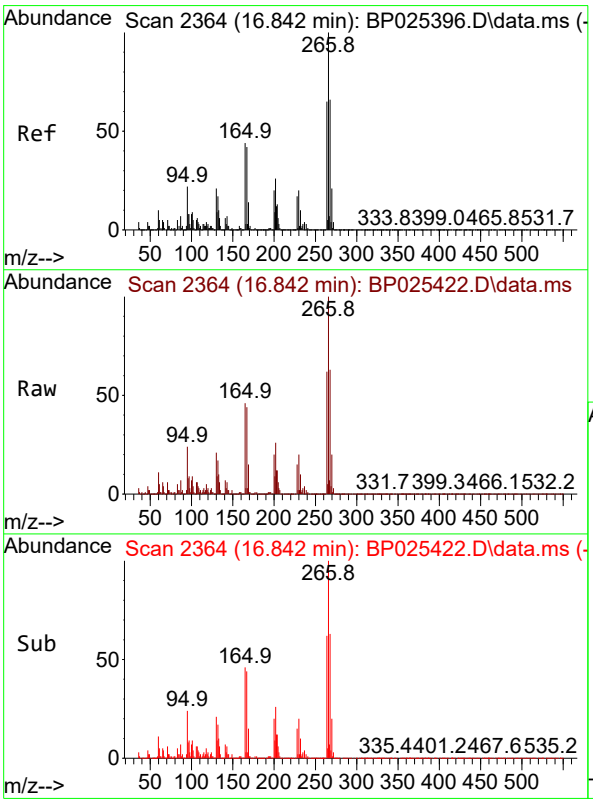
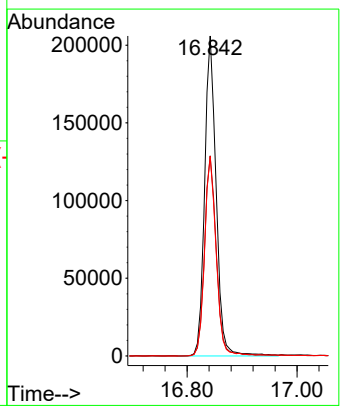
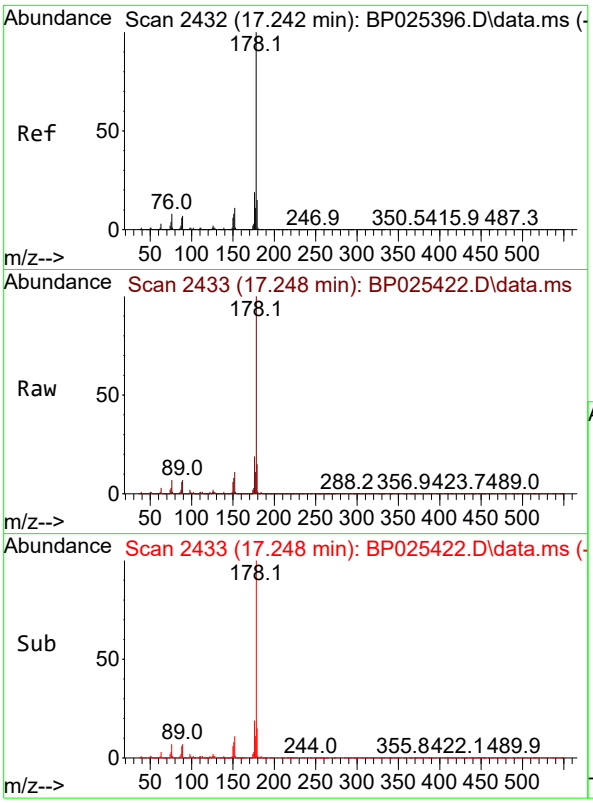


#70
Pentachlorophenol
Concen: 40.681 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:266 Resp: 299142

Ion	Ratio	Lower	Upper
266	100		
268	62.5	52.6	79.0
264	62.4	52.0	78.0

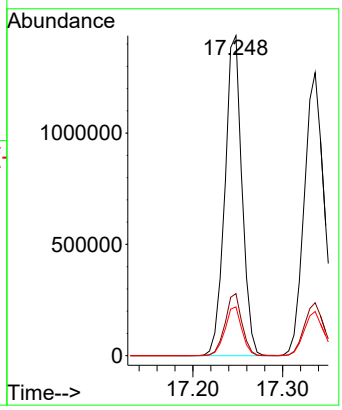




#71
Phenanthrene
Concen: 37.862 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:178 Resp: 190037

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.2	12.2	18.4



Instrument :
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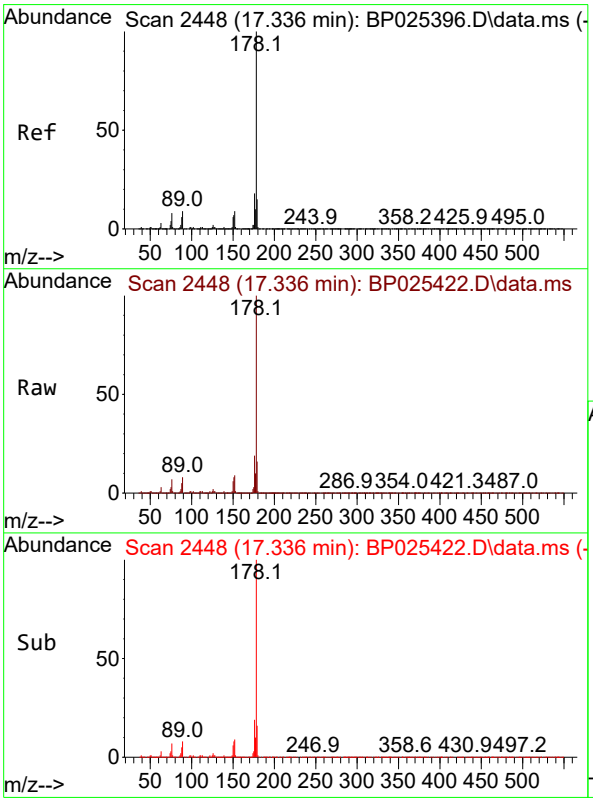
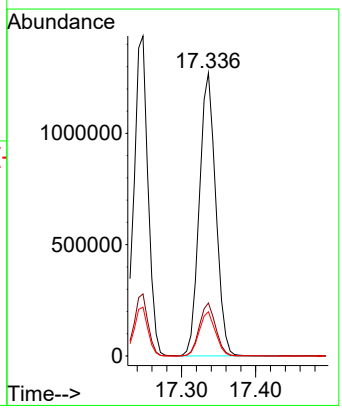
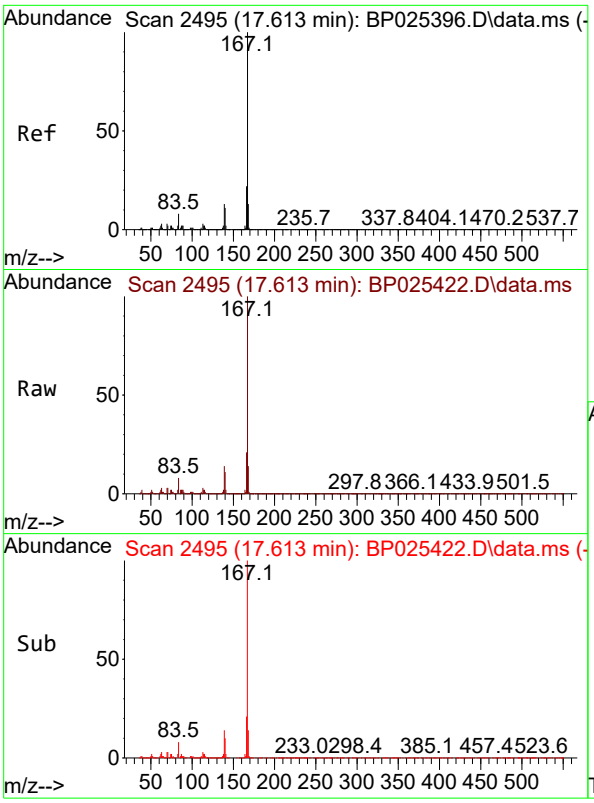


#72
Anthracene
Concen: 38.117 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:178 Resp: 1953735

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.2





#73
Carbazole
Concen: 37.549 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:167 Resp: 181282

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	14.0	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
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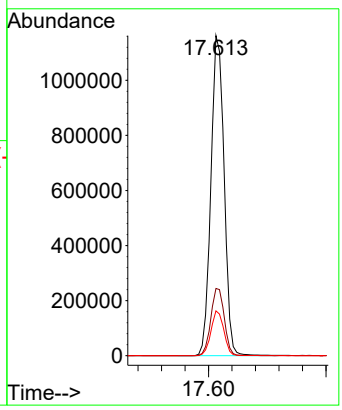
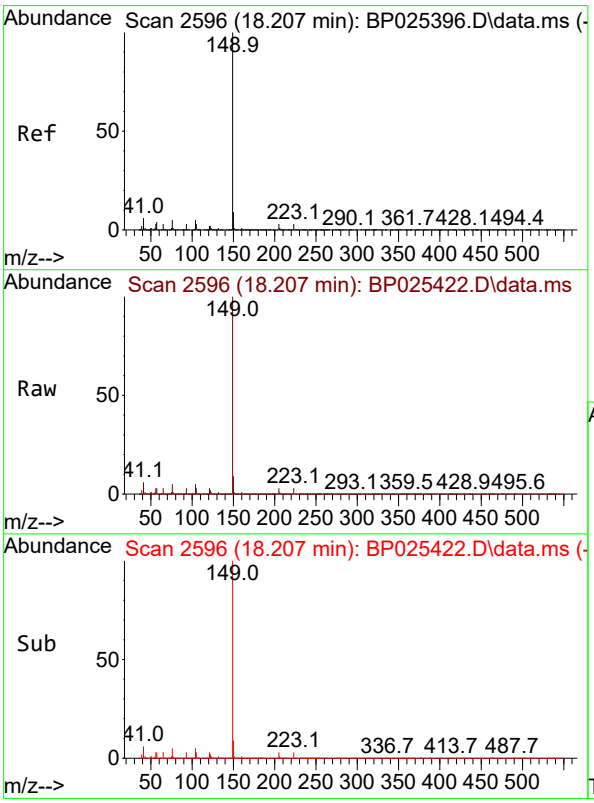
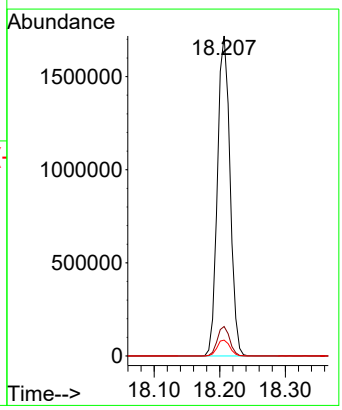


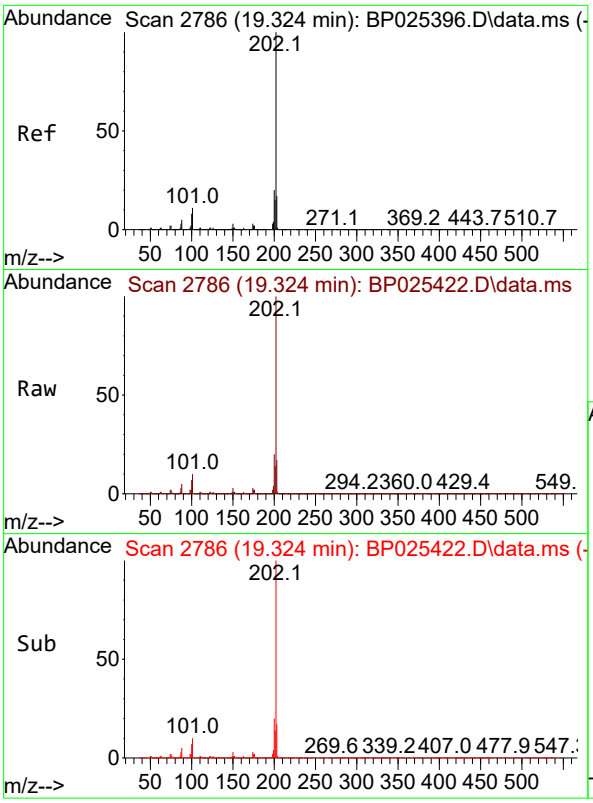


#74
Di-n-butylphthalate
Concen: 38.345 ng
RT: 18.207 min Scan# 2596
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 2277638

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.9	4.2	6.2

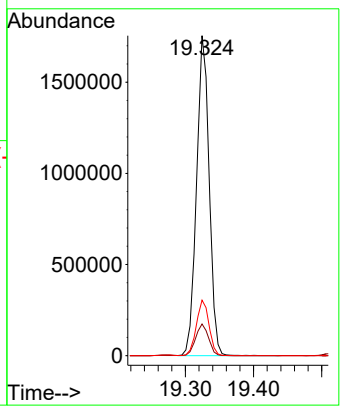




#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:202 Resp: 225833

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.4	0.0	37.3



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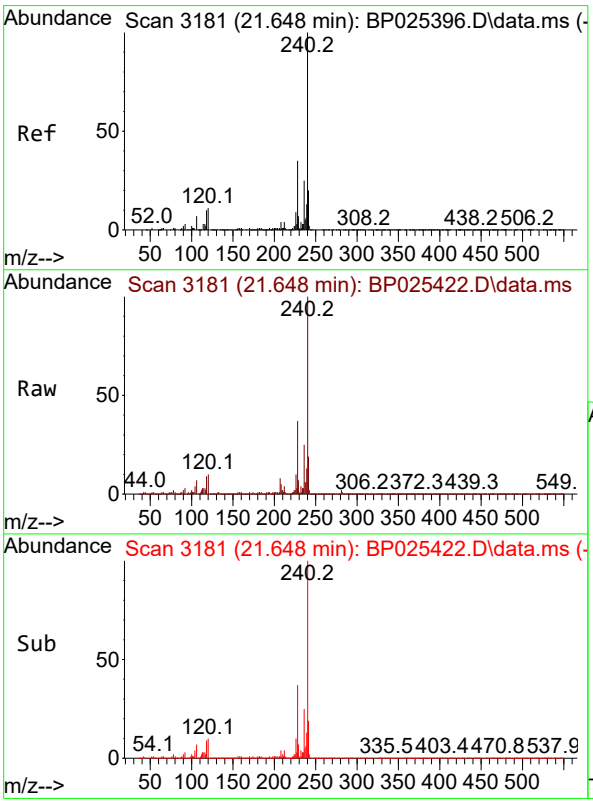
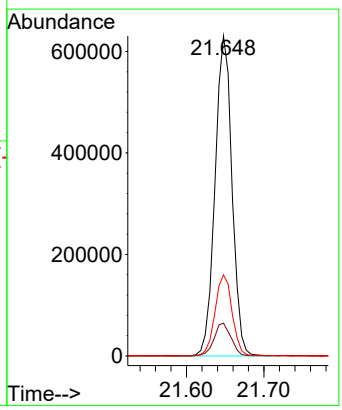
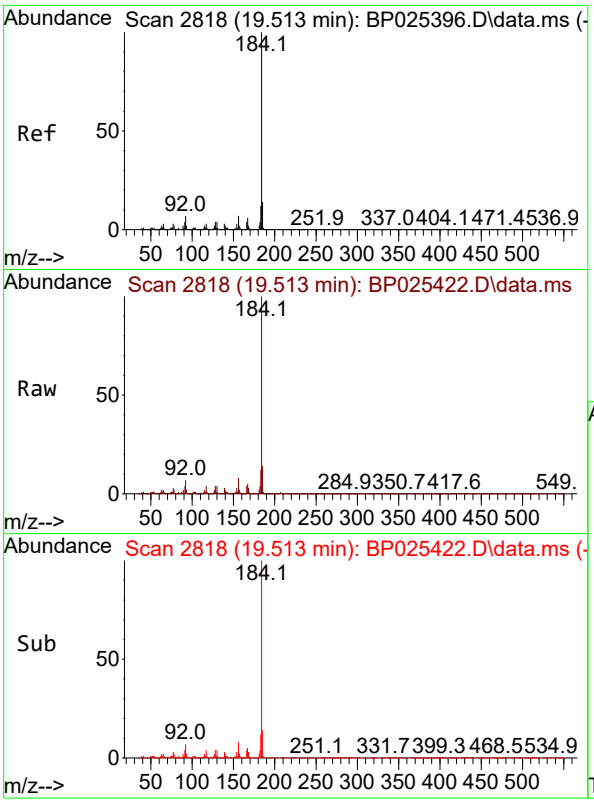


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:240 Resp: 958309

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.4	19.8	29.8

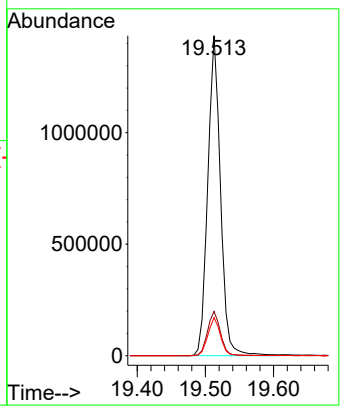




#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:184 Resp: 186126

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.9	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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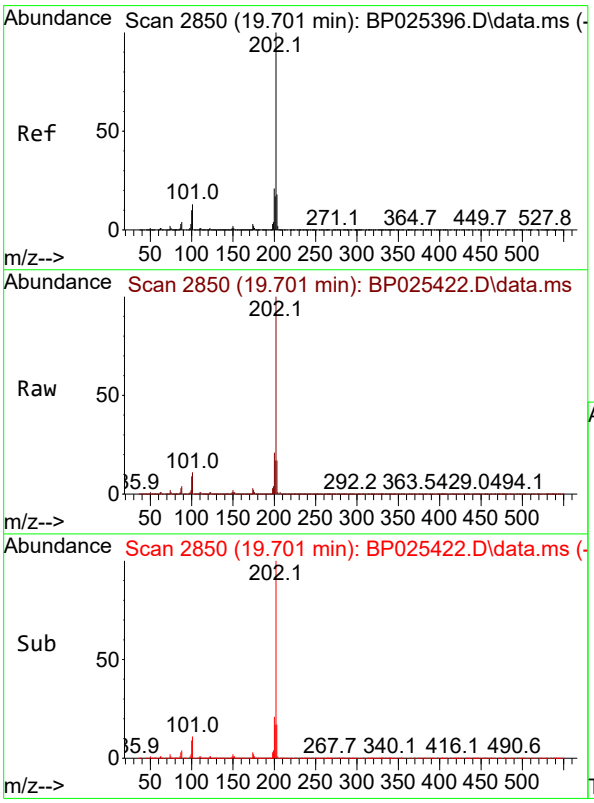
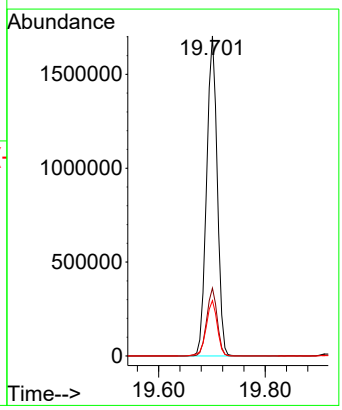
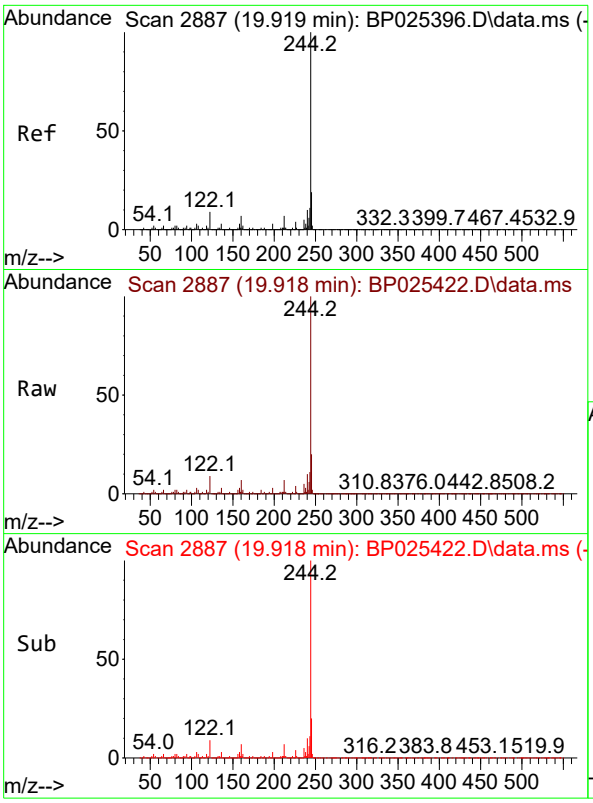


#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:202 Resp: 2359709

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.3	14.2	21.2

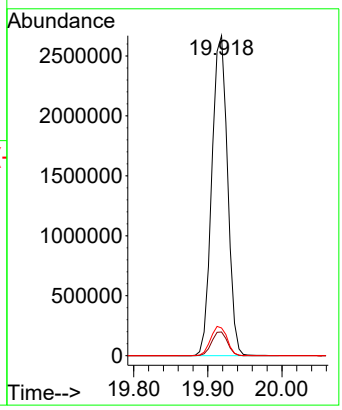




#79
Terphenyl-d14
Concen: 75.070 ng
RT: 19.918 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:244 Resp: 393209

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.7	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
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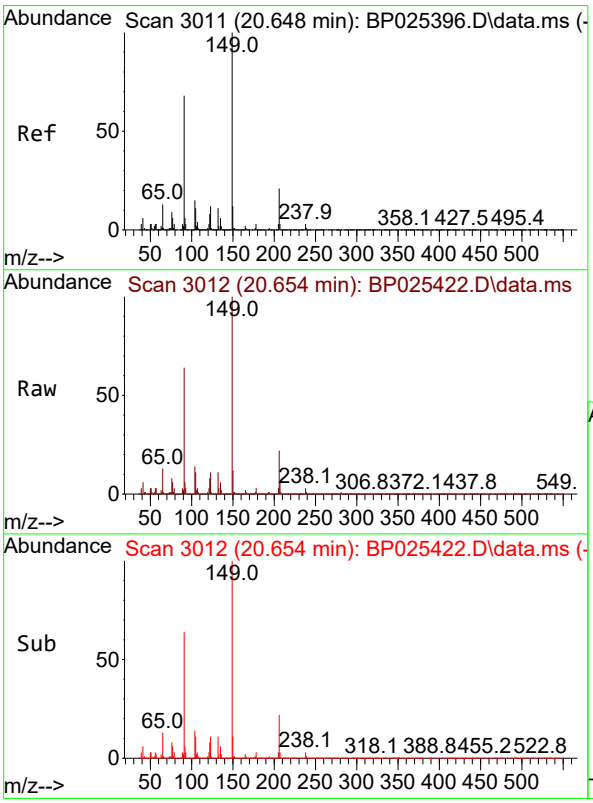
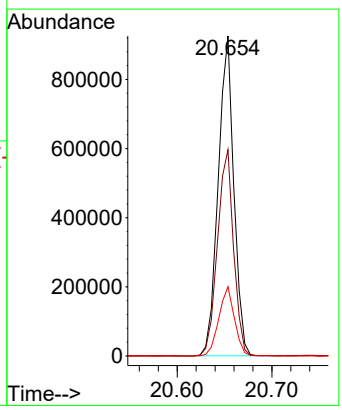
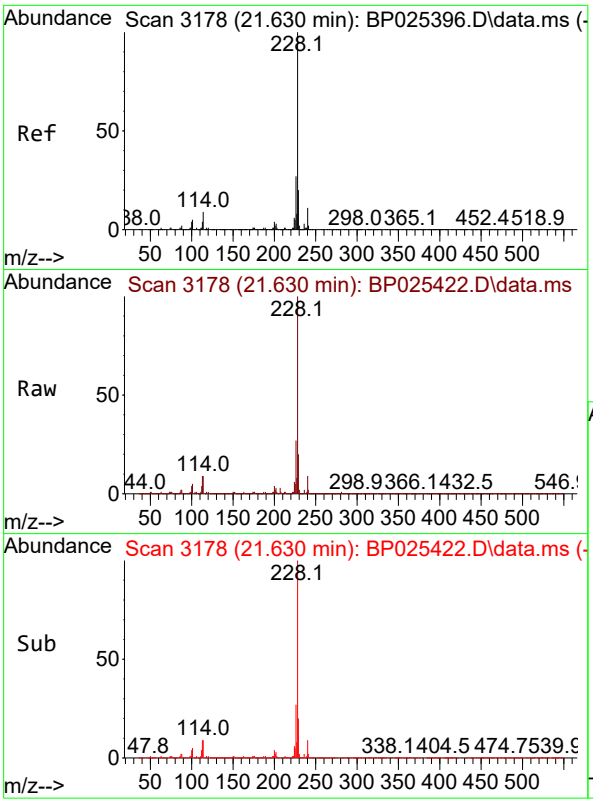


#80
Butylbenzylphthalate
Concen: 37.699 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1064206

Ion	Ratio	Lower	Upper
149	100		
91	64.5	54.2	81.2
206	21.7	16.6	24.8

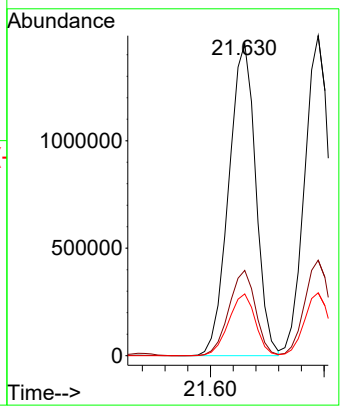




#81
Benzo(a)anthracene
Concen: 37.816 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:228 Resp: 239002

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.8	15.6	23.4



Instrument :
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ClientSampleId :
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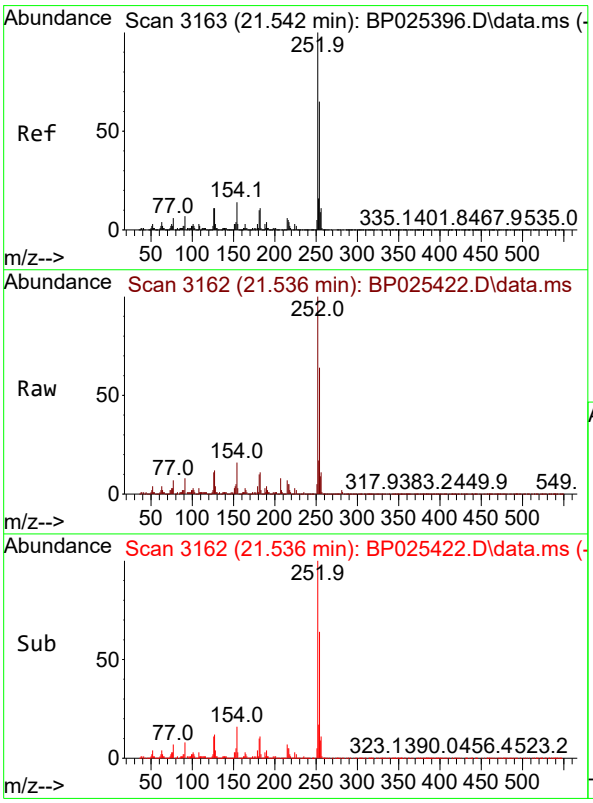
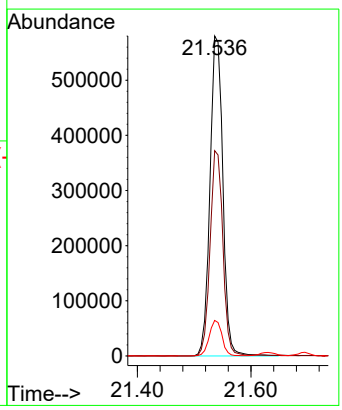
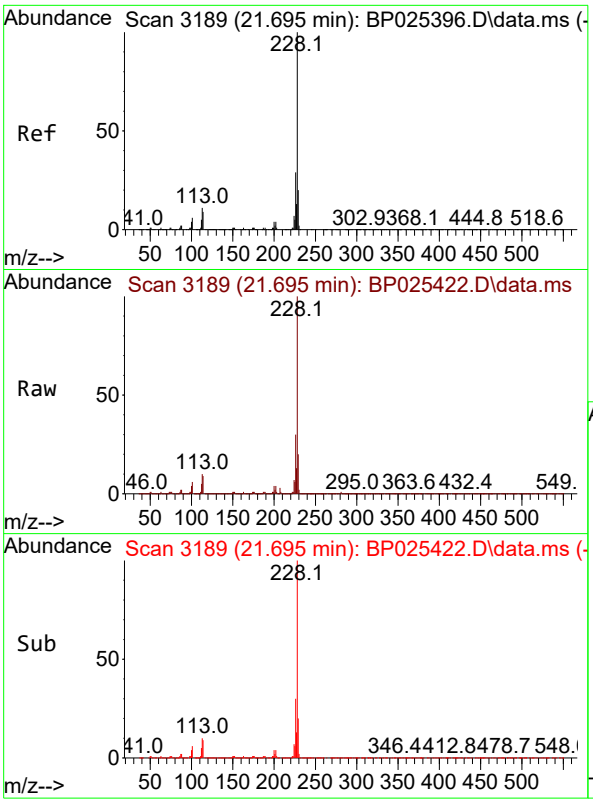


#82
3,3'-Dichlorobenzidine
Concen: 38.057 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 906596

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	11.1	9.1	13.7

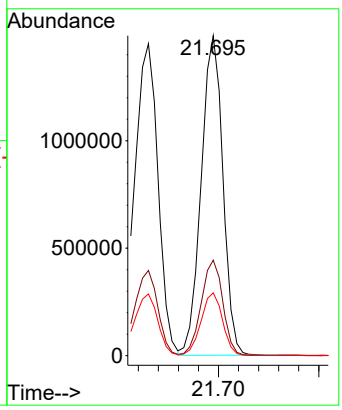




#83
Chrysene
Concen: 37.876 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:228 Resp: 224179

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
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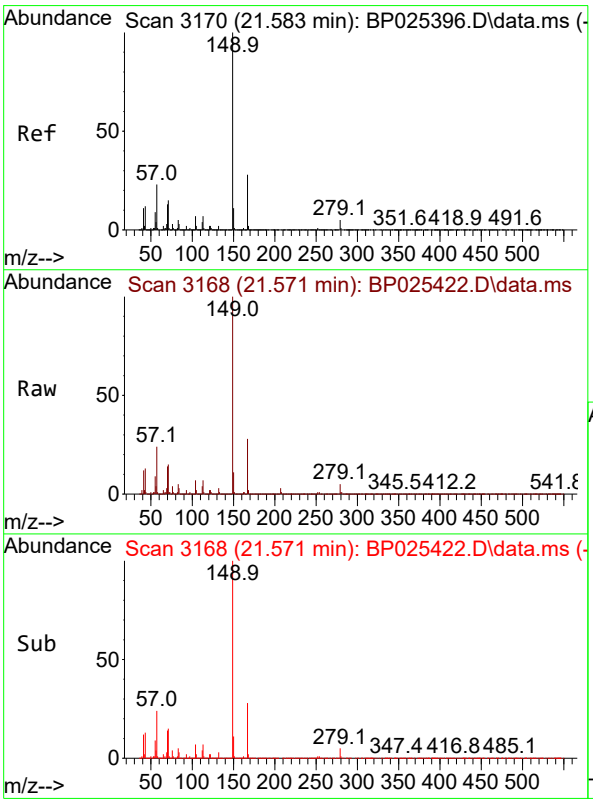
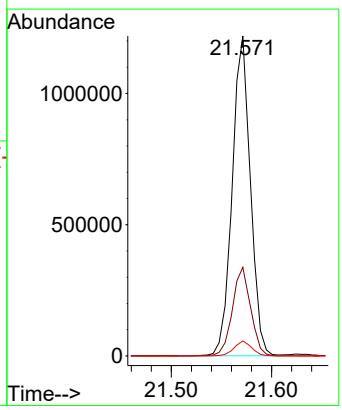
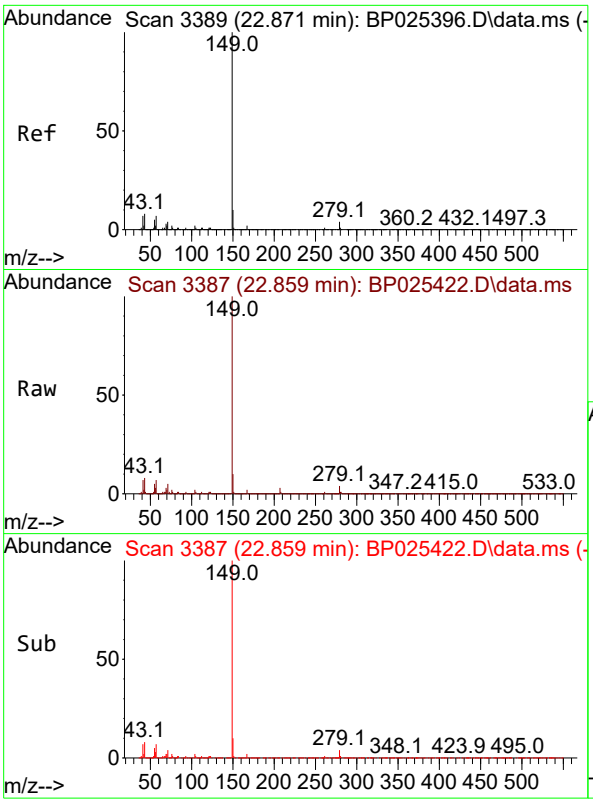


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.052 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1539693

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.7	3.8	5.6

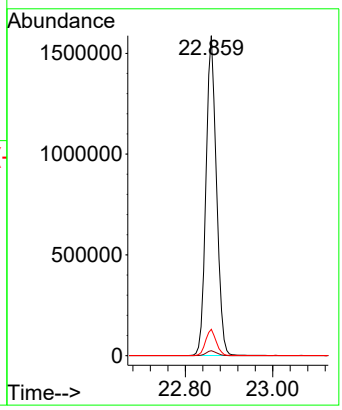




#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 264592

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
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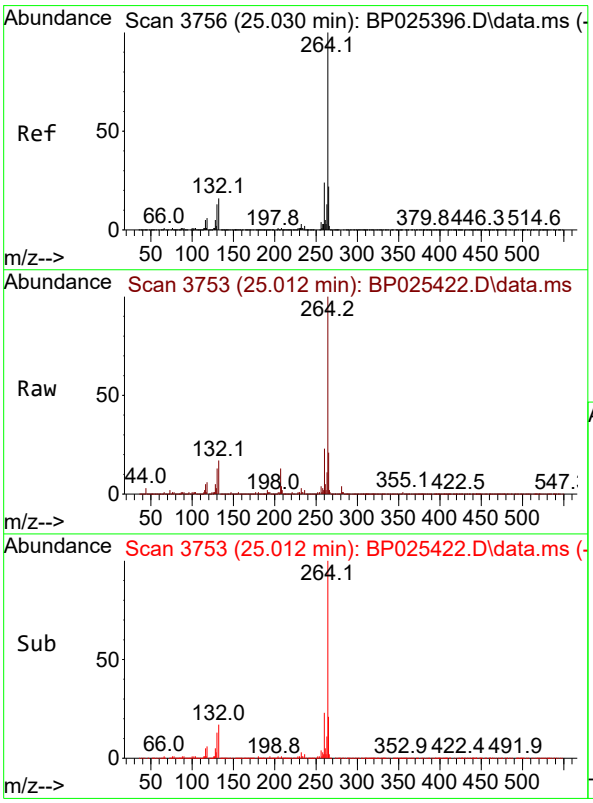
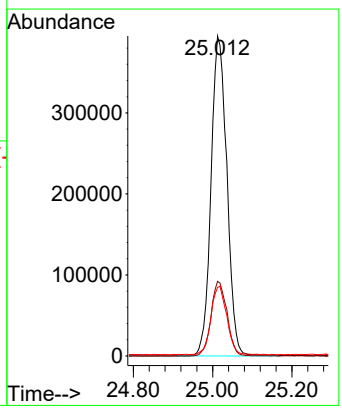
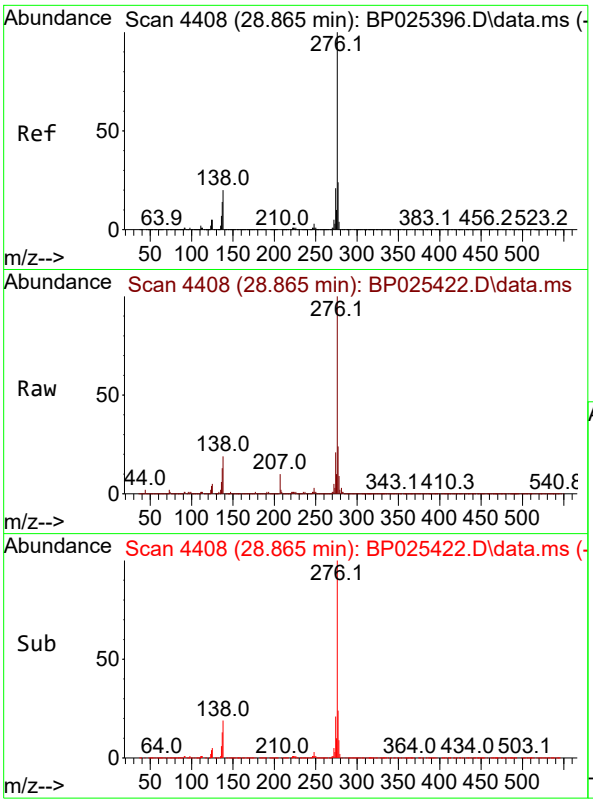


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:264 Resp: 1096861

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	21.4	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.082 ng
RT: 28.865 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

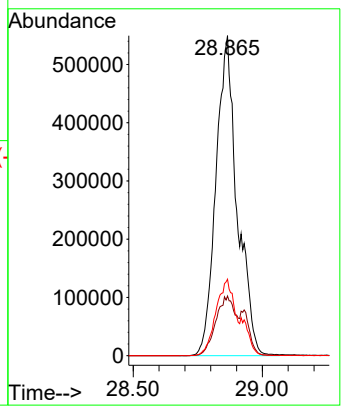
Tgt Ion:276 Resp: 314369

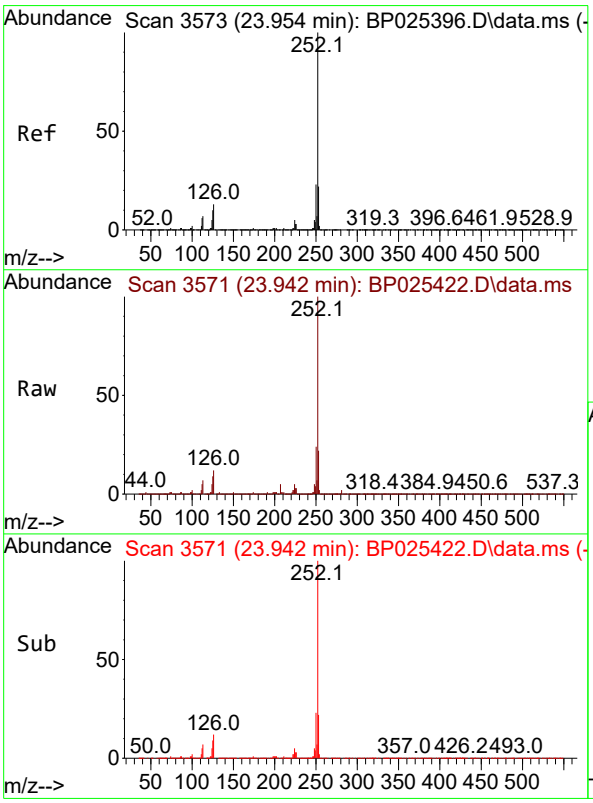
Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.9	19.3
277	21.0	17.0	25.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

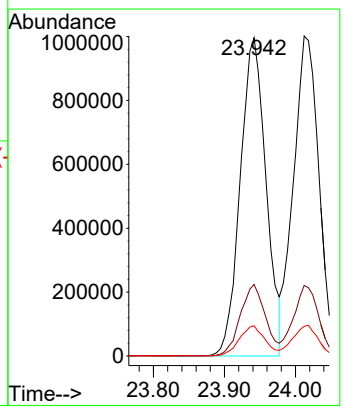


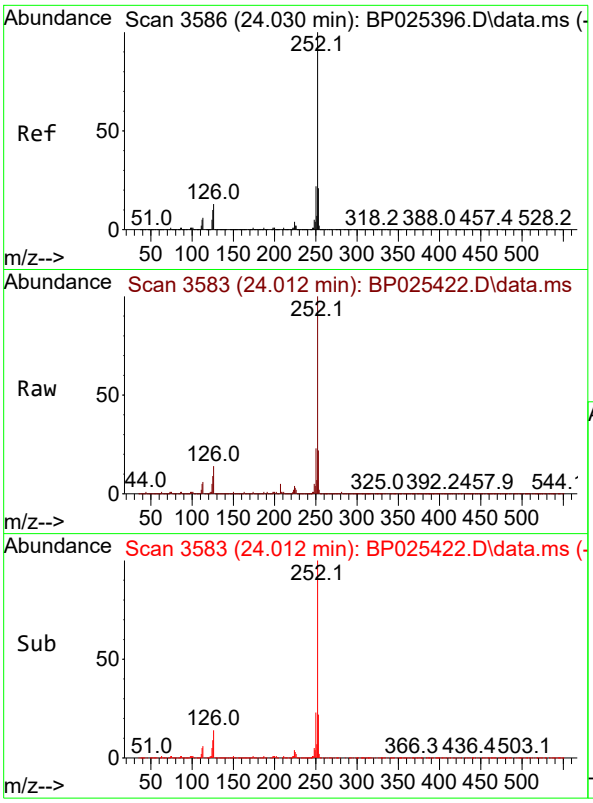


#88
Benzo(b)fluoranthene
Concen: 38.843 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2512340

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.5	7.9	11.9

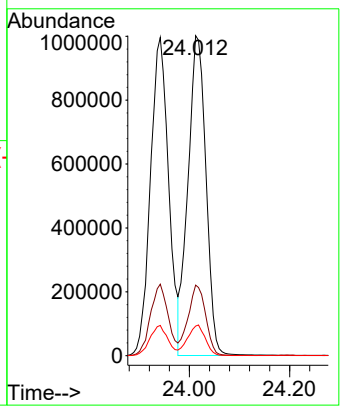




#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 248834

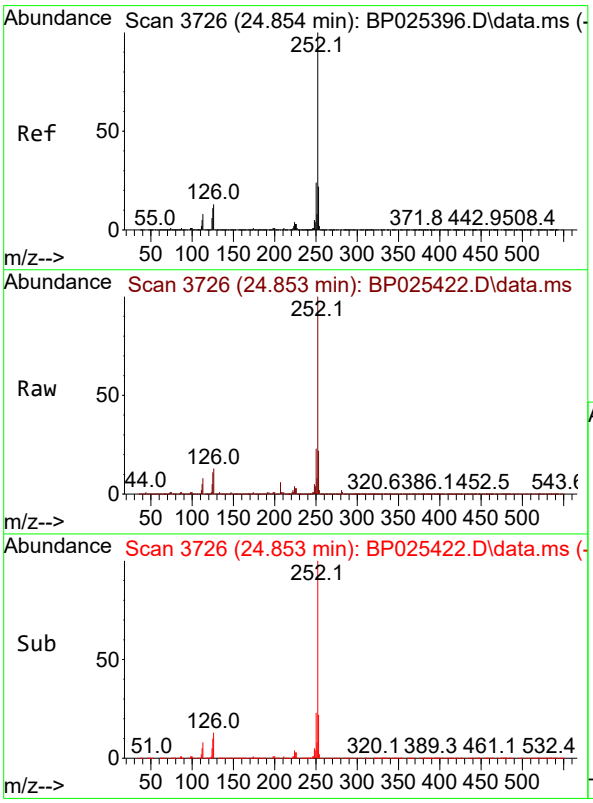
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.3	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

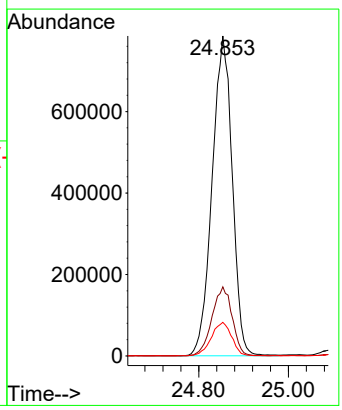
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

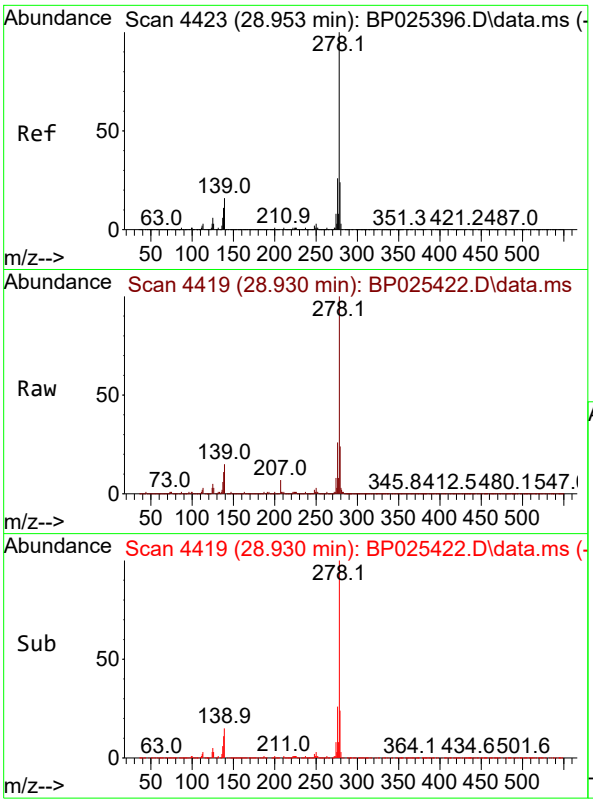


#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2443181

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.5	8.7	13.1

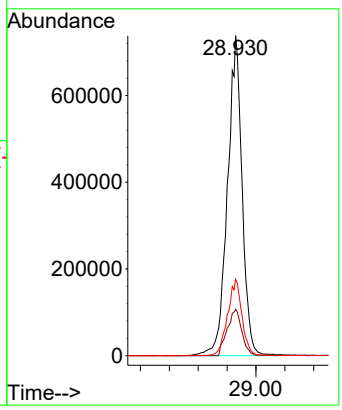




#91
Dibenzo(a,h)anthracene
Concen: 39.482 ng
RT: 28.930 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:278 Resp: 259538

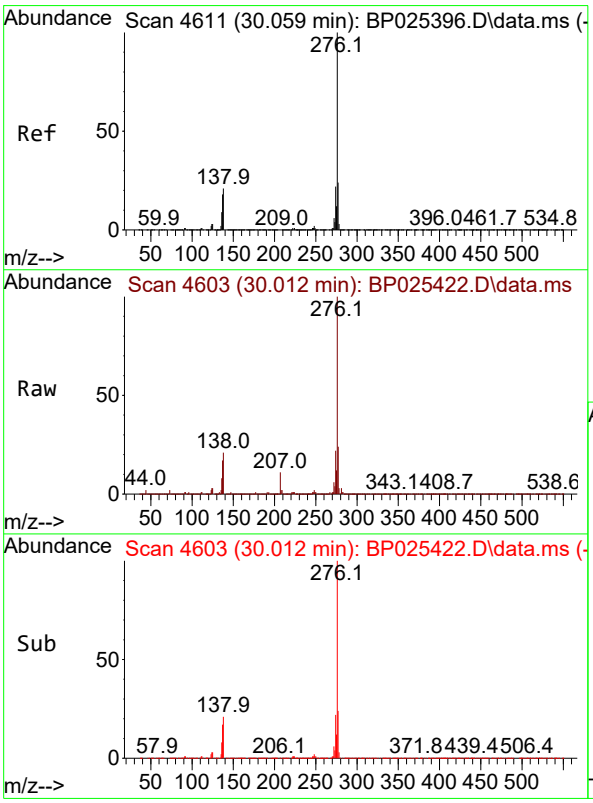
Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.0	19.4
279	23.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

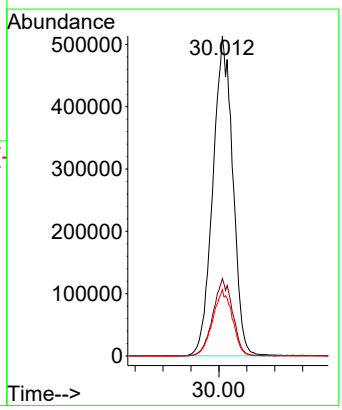
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.255 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:276 Resp: 2536518

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	20.7	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.472	0.440	6.8	102	0.00
3		Pyridine	1.291	1.243	3.7	105	0.00
4		n-Nitrosodimethylamine	0.532	0.550	-3.4	111	0.00
5	S	2-Fluorophenol	1.204	1.169	2.9	104	0.00
6		Aniline	2.080	2.076	0.2	106	0.00
7	S	Phenol-d6	1.544	1.519	1.6	104	0.00
8		2-Chlorophenol	1.359	1.343	1.2	106	0.00
9		Benzaldehyde	1.082	1.423	-31.5#	108	0.00
10	C	Phenol	1.620	1.590	1.9	104	0.00
11		bis(2-Chloroethyl)ether	1.263	1.245	1.4	105	0.00
12		1,3-Dichlorobenzene	1.499	1.479	1.3	106	0.00
13	C	1,4-Dichlorobenzene	1.532	1.481	3.3	104	-0.01
14		1,2-Dichlorobenzene	1.483	1.440	2.9	104	0.00
15		Benzyl Alcohol	1.227	1.233	-0.5	107	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.704	-0.7	109	0.00
17		2-Methylphenol	1.125	1.118	0.6	104	0.00
18		Hexachloroethane	0.563	0.557	1.1	106	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.005	1.8	105	0.00
20		3+4-Methylphenols	1.560	1.543	1.1	105	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.502	0.486	3.2	106	0.00
23	S	Nitrobenzene-d5	0.395	0.392	0.8	108	0.00
24		Nitrobenzene	0.353	0.352	0.3	108	0.00
25		Isophorone	0.700	0.671	4.1	105	0.00
26	C	2-Nitrophenol	0.181	0.179	1.1	104	0.00
27		2,4-Dimethylphenol	0.312	0.304	2.6	104	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.405	4.3	105	-0.01
29	C	2,4-Dichlorophenol	0.310	0.300	3.2	103	0.00
30		1,2,4-Trichlorobenzene	0.340	0.322	5.3	104	0.00
31		Naphthalene	1.040	0.996	4.2	105	0.00
32		Benzoic acid	0.230	0.217	5.7	101	0.00
33		4-Chloroaniline	0.459	0.450	2.0	105	0.00
34	C	Hexachlorobutadiene	0.211	0.204	3.3	105	0.00
35		Caprolactam	0.114	0.108	5.3	104	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.345	2.8	105	-0.01
37		2-Methylnaphthalene	0.676	0.646	4.4	104	0.00
38		1-Methylnaphthalene	0.719	0.673	6.4	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.559	3.3	104	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.352	-0.9	105	0.00
42	S	2,4,6-Tribromophenol	0.269	0.264	1.9	104	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.383	1.8	104	0.00
44		2,4,5-Trichlorophenol	0.427	0.424	0.7	104	0.00
45	S	2-Fluorobiphenyl	1.463	1.380	5.7	103	0.00
46		1,1'-Biphenyl	1.453	1.404	3.4	104	0.00
47		2-Chloronaphthalene	1.131	1.096	3.1	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.337	-2.4	106	0.00
49		Acenaphthylene	1.871	1.799	3.8	103	0.00
50		Dimethylphthalate	1.465	1.393	4.9	103	0.00
51		2,6-Dinitrotoluene	0.309	0.314	-1.6	105	0.00
52	C	Acenaphthene	1.098	1.035	5.7	103	0.00
53		3-Nitroaniline	0.347	0.348	-0.3	106	0.00
54	P	2,4-Dinitrophenol	0.165	0.164	0.6	104	0.00
55		Dibenzofuran	1.736	1.628	6.2	101	0.00
56	P	4-Nitrophenol	0.285	0.284	0.4	105	0.00
57		2,4-Dinitrotoluene	0.440	0.446	-1.4	106	0.00
58		Fluorene	1.370	1.272	7.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.377	0.0	106	0.00
60		Diethylphthalate	1.488	1.416	4.8	103	0.00
61		4-Chlorophenyl-phenylether	0.681	0.628	7.8	100	0.00
62		4-Nitroaniline	0.356	0.351	1.4	104	0.00
63		Azobenzene	1.274	1.251	1.8	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.122	2.4	103	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.587	3.8	103	0.00
67		4-Bromophenyl-phenylether	0.220	0.210	4.5	102	0.00
68		Hexachlorobenzene	0.255	0.242	5.1	103	0.00
69		Atrazine	0.228	0.216	5.3	102	0.00
70	C	Pentachlorophenol	0.161	0.164	-1.9	107	0.00
71		Phenanthrene	1.099	1.040	5.4	103	0.00
72		Anthracene	1.122	1.069	4.7	102	0.00
73		Carbazole	1.057	0.992	6.1	102	0.00
74		Di-n-butylphthalate	1.300	1.246	4.2	103	0.00
75	C	Fluoranthene	1.311	1.236	5.7	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.683	0.971	-42.2#	107	0.00
78		Pyrene	1.300	1.231	5.3	103	0.00
79	S	Terphenyl-d14	1.093	1.026	6.1	105	0.00
80		Butylbenzylphthalate	0.589	0.555	5.8	102	0.00
81		Benzo(a)anthracene	1.319	1.247	5.5	105	0.00
82		3,3'-Dichlorobenzidine	0.497	0.473	4.8	103	0.00
83		Chrysene	1.235	1.170	5.3	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.803	7.4	103	-0.01
85	c	Di-n-octyl phthalate	1.492	1.381	7.4	102	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	1.467	1.433	2.3	109	0.00
88		Benzo(b)fluoranthene	1.179	1.145	2.9	108	-0.01
89		Benzo(k)fluoranthene	1.180	1.134	3.9	108	-0.02
90	C	Benzo(a)pyrene	1.148	1.114	3.0	108	0.00
91		Dibenzo(a,h)anthracene	1.199	1.183	1.3	110	-0.02
92		Benzo(g,h,i)perylene	1.178	1.156	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	37.293	6.8	102	0.00
3		Pyridine	40.000	38.504	3.7	105	0.00
4		n-Nitrosodimethylamine	40.000	41.341	-3.4	111	0.00
5	S	2-Fluorophenol	80.000	77.682	2.9	104	0.00
6		Aniline	40.000	39.917	0.2	106	0.00
7	S	Phenol-d6	80.000	78.694	1.6	104	0.00
8		2-Chlorophenol	40.000	39.543	1.1	106	0.00
9		Benzaldehyde	40.000	52.616	-31.5#	108	0.00
10	C	Phenol	40.000	39.253	1.9	104	0.00
11		bis(2-Chloroethyl)ether	40.000	39.423	1.4	105	0.00
12		1,3-Dichlorobenzene	40.000	39.468	1.3	106	0.00
13	C	1,4-Dichlorobenzene	40.000	38.666	3.3	104	-0.01
14		1,2-Dichlorobenzene	40.000	38.837	2.9	104	0.00
15		Benzyl Alcohol	40.000	40.199	-0.5	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.282	-0.7	109	0.00
17		2-Methylphenol	40.000	39.752	0.6	104	0.00
18		Hexachloroethane	40.000	39.542	1.1	106	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.304	1.7	105	0.00
20		3+4-Methylphenols	40.000	39.561	1.1	105	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	38.792	3.0	106	0.00
23	S	Nitrobenzene-d5	80.000	79.367	0.8	108	0.00
24		Nitrobenzene	40.000	39.805	0.5	108	0.00
25		Isophorone	40.000	38.387	4.0	105	0.00
26	C	2-Nitrophenol	40.000	39.458	1.4	104	0.00
27		2,4-Dimethylphenol	40.000	39.018	2.5	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.258	4.4	105	-0.01
29	C	2,4-Dichlorophenol	40.000	38.724	3.2	103	0.00
30		1,2,4-Trichlorobenzene	40.000	37.921	5.2	104	0.00
31		Naphthalene	40.000	38.324	4.2	105	0.00
32		Benzoic acid	40.000	37.734	5.7	101	0.00
33		4-Chloroaniline	40.000	39.164	2.1	105	0.00
34	C	Hexachlorobutadiene	40.000	38.652	3.4	105	0.00
35		Caprolactam	40.000	37.951	5.1	104	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.840	2.9	105	-0.01
37		2-Methylnaphthalene	40.000	38.190	4.5	104	0.00
38		1-Methylnaphthalene	40.000	37.439	6.4	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.717	3.2	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.319	-0.8	105	0.00
42	S	2,4,6-Tribromophenol	80.000	78.381	2.0	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.291	1.8	104	0.00
44		2,4,5-Trichlorophenol	40.000	39.656	0.9	104	0.00
45	S	2-Fluorobiphenyl	80.000	75.449	5.7	103	0.00
46		1,1'-Biphenyl	40.000	38.672	3.3	104	0.00
47		2-Chloronaphthalene	40.000	38.780	3.0	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.910	-2.3	106	0.00
49		Acenaphthylene	40.000	38.457	3.9	103	0.00
50		Dimethylphthalate	40.000	38.040	4.9	103	0.00
51		2,6-Dinitrotoluene	40.000	40.628	-1.6	105	0.00
52	C	Acenaphthene	40.000	37.707	5.7	103	0.00
53		3-Nitroaniline	40.000	40.043	-0.1	106	0.00
54	P	2,4-Dinitrophenol	40.000	39.794	0.5	104	0.00
55		Dibenzofuran	40.000	37.495	6.3	101	0.00
56	P	4-Nitrophenol	40.000	39.771	0.6	105	0.00
57		2,4-Dinitrotoluene	40.000	40.518	-1.3	106	0.00
58		Fluorene	40.000	37.121	7.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.927	0.2	106	0.00
60		Diethylphthalate	40.000	38.058	4.9	103	0.00
61		4-Chlorophenyl-phenylether	40.000	36.845	7.9	100	0.00
62		4-Nitroaniline	40.000	39.397	1.5	104	0.00
63		Azobenzene	40.000	39.282	1.8	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.253	1.9	103	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.519	3.7	103	0.00
67		4-Bromophenyl-phenylether	40.000	38.195	4.5	102	0.00
68		Hexachlorobenzene	40.000	37.966	5.1	103	0.00
69		Atrazine	40.000	37.872	5.3	102	0.00
70	C	Pentachlorophenol	40.000	40.681	-1.7	107	0.00
71		Phenanthrene	40.000	37.862	5.3	103	0.00
72		Anthracene	40.000	38.117	4.7	102	0.00
73		Carbazole	40.000	37.549	6.1	102	0.00
74		Di-n-butylphthalate	40.000	38.345	4.1	103	0.00
75	C	Fluoranthene	40.000	37.721	5.7	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	56.911	-42.3#	107	0.00
78		Pyrene	40.000	37.884	5.3	103	0.00
79	S	Terphenyl-d14	80.000	75.070	6.2	105	0.00
80		Butylbenzylphthalate	40.000	37.699	5.8	102	0.00
81		Benzo(a)anthracene	40.000	37.816	5.5	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.057	4.9	103	0.00
83		Chrysene	40.000	37.876	5.3	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.052	7.4	103	-0.01
85	c	Di-n-octyl phthalate	40.000	37.018	7.5	102	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	39.082	2.3	109	0.00
88		Benzo(b)fluoranthene	40.000	38.843	2.9	108	-0.01
89		Benzo(k)fluoranthene	40.000	38.446	3.9	108	-0.02
90	C	Benzo(a)pyrene	40.000	38.805	3.0	108	0.00
91		Dibenzo(a,h)anthracene	40.000	39.482	1.3	110	-0.02
92		Benzo(g,h,i)perylene	40.000	39.255	1.9	109	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 21:03

Lab File ID: BP025436.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.297		7.7	50.0
Benzaldehyde	1.082	1.315		21.5	50.0
Phenol-d6	1.544	1.709		10.7	50.0
Phenol	1.620	1.777		9.7	50.0
bis(2-Chloroethyl)ether	1.263	1.365		8.1	50.0
2-Chlorophenol	1.359	1.491		9.7	50.0
2-Methylphenol	1.125	1.247		10.8	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.910		12.9	50.0
Acetophenone	0.502	0.537		7.0	50.0
3+4-Methylphenols	1.560	1.699		8.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.110	0.050	8.5	50.0
Nitrobenzene-d5	0.395	0.431		9.1	50.0
Hexachloroethane	0.563	0.621		10.3	50.0
Nitrobenzene	0.353	0.388		9.9	50.0
Isophorone	0.700	0.727		3.9	50.0
2-Nitrophenol	0.181	0.199		9.9	50.0
2,4-Dimethylphenol	0.312	0.339		8.7	50.0
bis(2-Chloroethoxy)methane	0.423	0.448		5.9	50.0
2,4-Dichlorophenol	0.310	0.343		10.6	50.0
Naphthalene	1.040	1.097		5.5	50.0
4-Chloroaniline	0.459	0.488		6.3	50.0
Hexachlorobutadiene	0.211	0.230		9.0	50.0
Caprolactam	0.114	0.118		3.5	50.0
4-Chloro-3-methylphenol	0.355	0.379		6.8	50.0
2-Methylnaphthalene	0.676	0.710		5.0	50.0
Hexachlorocyclopentadiene	0.349	0.323	0.050	-7.4	50.0
2,4,6-Trichlorophenol	0.390	0.436		11.8	50.0
2-Fluorobiphenyl	1.463	1.527		4.4	50.0
2,4,5-Trichlorophenol	0.427	0.482		12.9	50.0
1,1-Biphenyl	1.453	1.590		9.4	50.0
2-Chloronaphthalene	1.131	1.227		8.5	50.0
2-Nitroaniline	0.329	0.382		16.1	50.0
Dimethylphthalate	1.465	1.593		8.7	50.0
Acenaphthylene	1.871	2.004		7.1	50.0
2,6-Dinitrotoluene	0.309	0.349		12.9	50.0
3-Nitroaniline	0.347	0.390		12.4	50.0
Acenaphthene	1.098	1.169		6.5	50.0
2,4-Dinitrophenol	0.165	0.134	0.050	-18.8	50.0
4-Nitrophenol	0.285	0.324	0.050	13.7	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/15/2025 21:03

Lab File ID: BP025436.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.849		6.5	50.0
2,4-Dinitrotoluene	0.440	0.498		13.2	50.0
Diethylphthalate	1.488	1.607		8.0	50.0
4-Chlorophenyl-phenylether	0.681	0.703		3.2	50.0
Fluorene	1.370	1.410		2.9	50.0
4-Nitroaniline	0.356	0.384		7.9	50.0
4,6-Dinitro-2-methylphenol	0.125	0.110		-12.0	50.0
n-Nitrosodiphenylamine	0.610	0.659		8.0	50.0
2,4,6-Tribromophenol	0.269	0.298		10.8	50.0
4-Bromophenyl-phenylether	0.220	0.242		10.0	50.0
Hexachlorobenzene	0.255	0.272		6.7	50.0
Atrazine	0.228	0.250		9.6	50.0
Pentachlorophenol	0.161	0.178		10.6	50.0
Phenanthrene	1.099	1.162		5.7	50.0
Anthracene	1.122	1.203		7.2	50.0
Carbazole	1.057	1.128		6.7	50.0
Di-n-butylphthalate	1.300	1.420		9.2	50.0
Fluoranthene	1.311	1.374		4.8	50.0
Pyrene	1.300	1.403		7.9	50.0
Terphenyl-d14	1.093	1.170		7.0	50.0
Butylbenzylphthalate	0.589	0.673		14.3	50.0
3,3-Dichlorobenzidine	0.497	0.550		10.7	50.0
Benzo(a)anthracene	1.319	1.407		6.7	50.0
Chrysene	1.235	1.321		7.0	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.965		11.3	50.0
Di-n-octyl phthalate	1.492	1.681		12.7	50.0
Benzo(b)fluoranthene	1.179	1.283		8.8	50.0
Benzo(k)fluoranthene	1.180	1.265		7.2	50.0
Benzo(a)pyrene	1.148	1.241		8.1	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.559		6.3	50.0
Dibenzo(a,h)anthracene	1.199	1.285		7.2	50.0
Benzo(g,h,i)perylene	1.178	1.259		6.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.633		9.5	50.0
1,4-Dioxane	0.472	0.484		2.5	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.417		10.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng		0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng		0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng		-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	862200	86.186	ng		0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng		0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng		0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng		0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng		98
3) Pyridine	3.725	79	439304	40.960	ng		94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng		96
6) Aniline	7.125	93	757650	43.843	ng		99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng		99
9) Benzaldehyde	6.937	77	437036	48.635	ng		98
10) Phenol	6.996	94	590307	43.862	ng		98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng		99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng		99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng		99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng		97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng		99
17) 2-Methylphenol	8.219	107	414498	44.345	ng		98
18) Hexachloroethane	8.861	117	206177	44.074	ng		96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng		98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng		97
22) Acetophenone	8.596	105	762747	42.809	ng	#	98
24) Nitrobenzene	8.972	77	551258	43.917	ng		100
25) Isophorone	9.496	82	1033357	41.573	ng		98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng		100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng		98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng		99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng		98
31) Naphthalene	10.613	128	1558976	42.217	ng		99
32) Benzoic acid	9.878	122	346284	42.339	ng		94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng		99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng		99
35) Caprolactam	11.496	113	167685	41.554	ng		98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng		96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng		98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng		100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng		99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1068266m	42.589	ng	
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

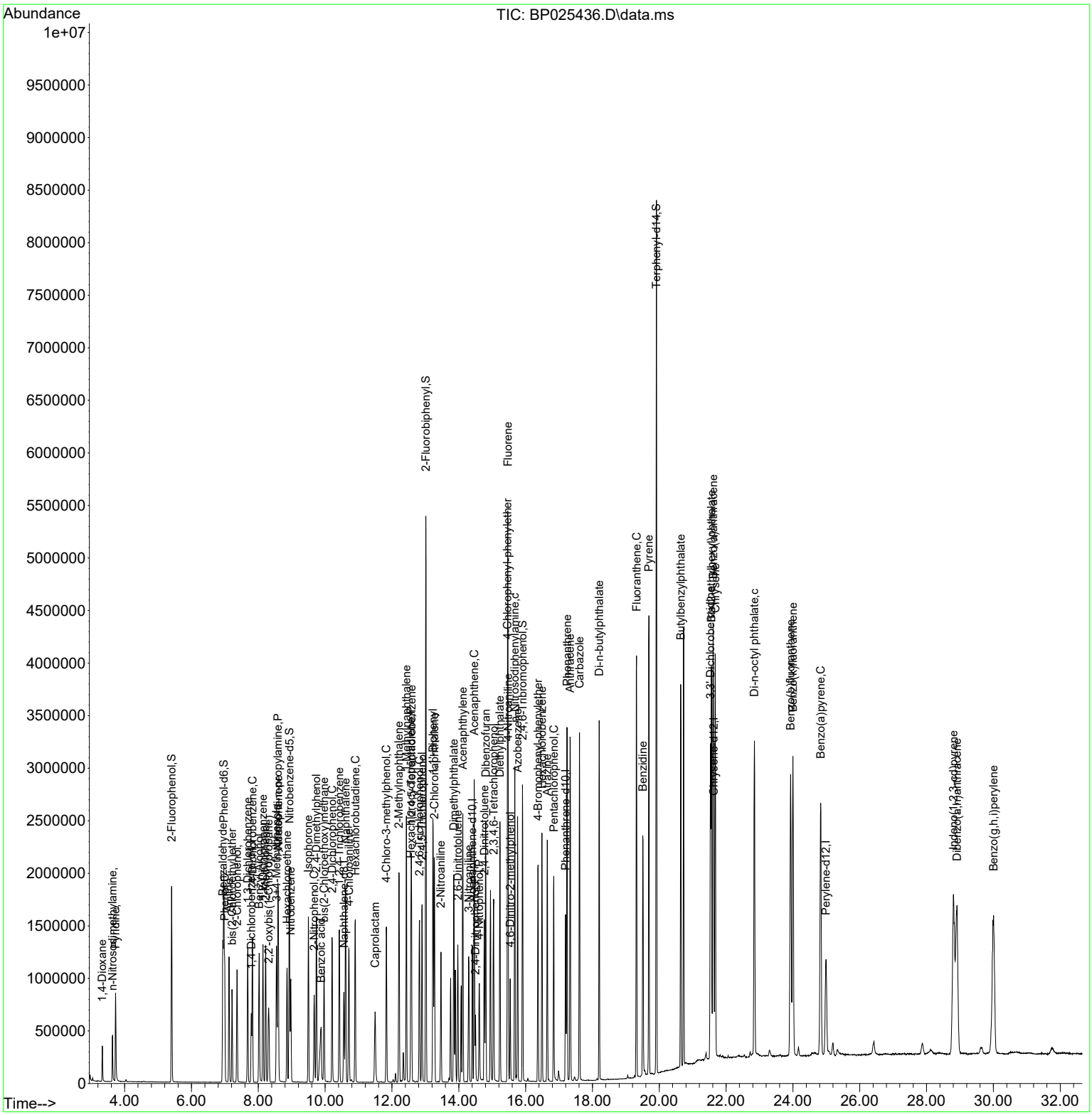
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

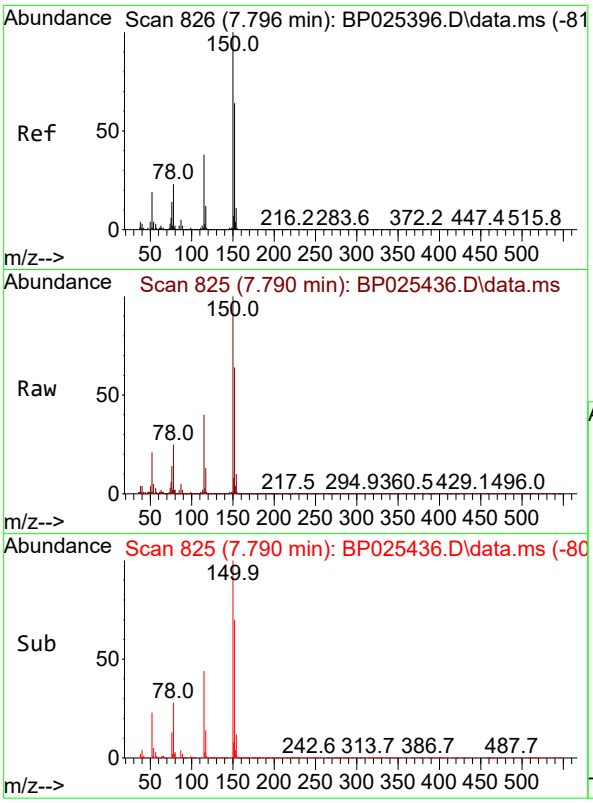
Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025

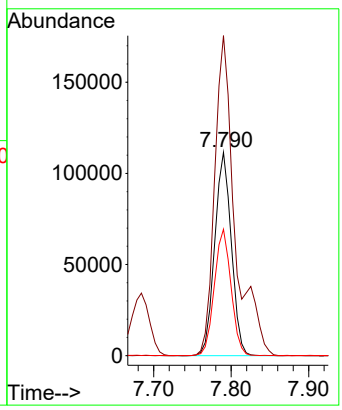




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:152 Resp: 16613

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	62.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
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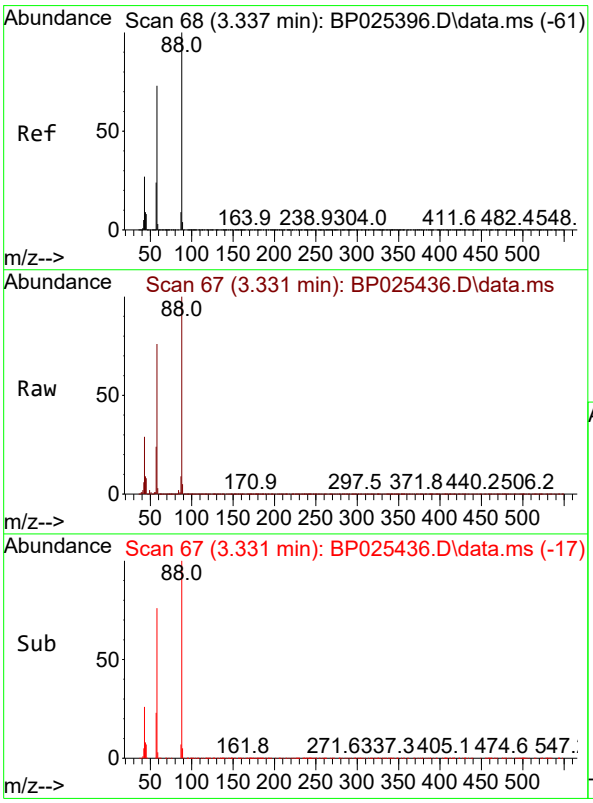
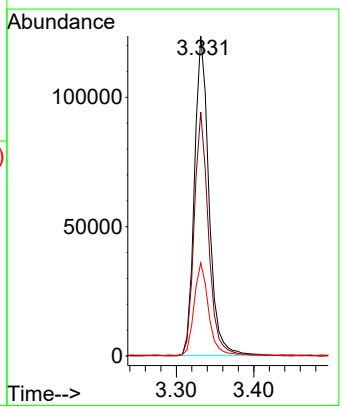
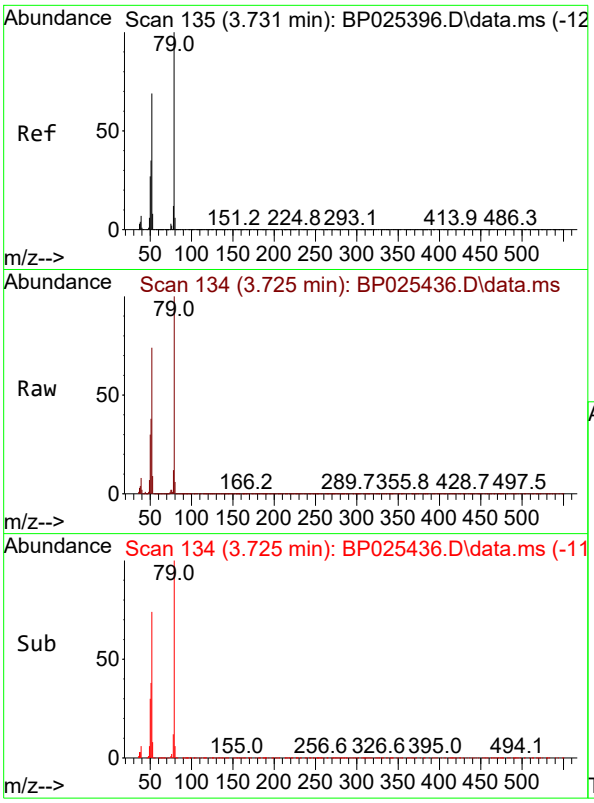


#2
1,4-Dioxane
Concen: 41.000 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 88 Resp: 160658

Ion	Ratio	Lower	Upper
88	100		
58	75.7	59.2	88.8
43	28.9	21.7	32.5

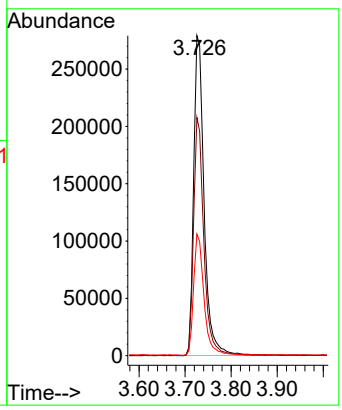




#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 79 Resp: 43930

Ion	Ratio	Lower	Upper
79	100		
52	74.4	55.5	83.3
51	38.0	28.3	42.5



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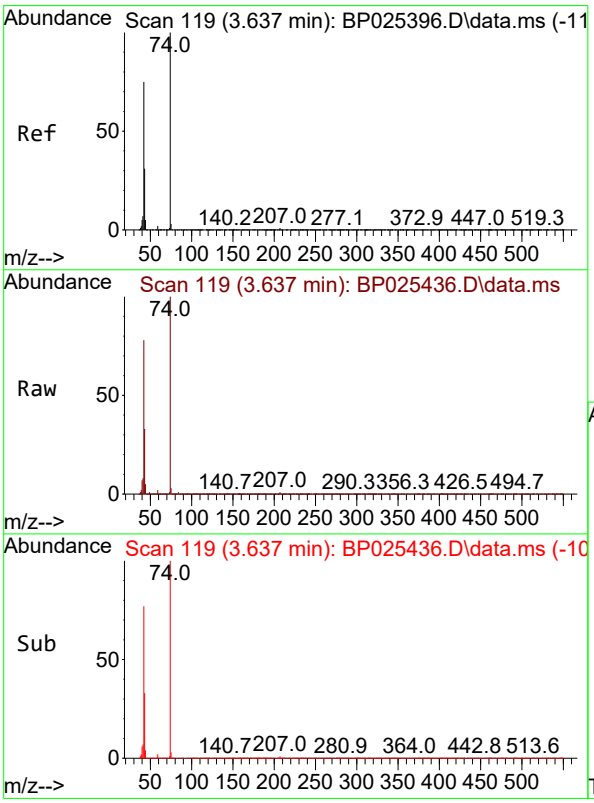
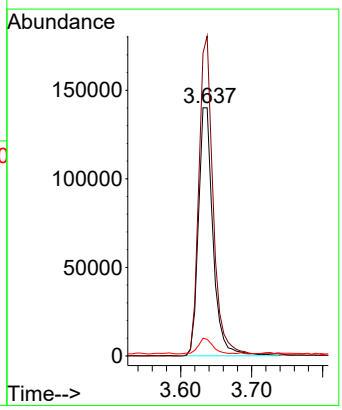
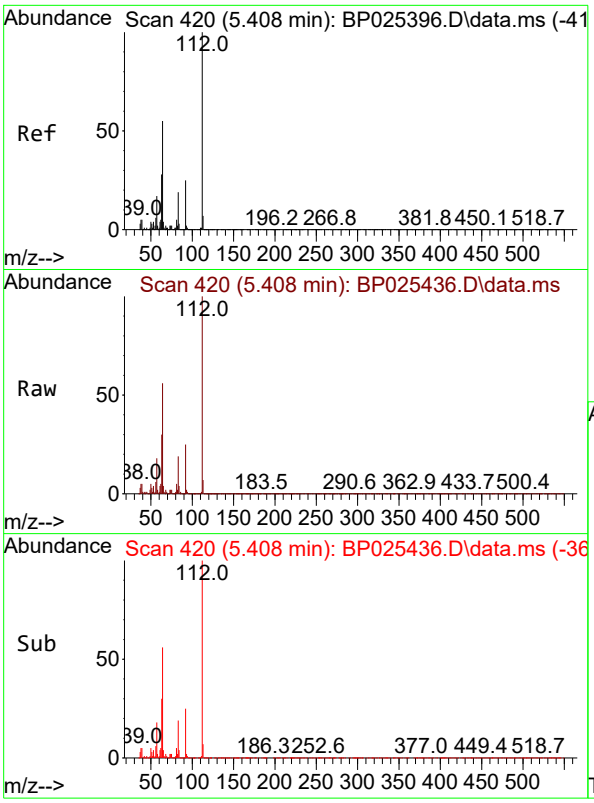


#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 42 Resp: 200626

Ion	Ratio	Lower	Upper
42	100		
74	128.9	107.0	160.4
44	6.7	6.2	9.4

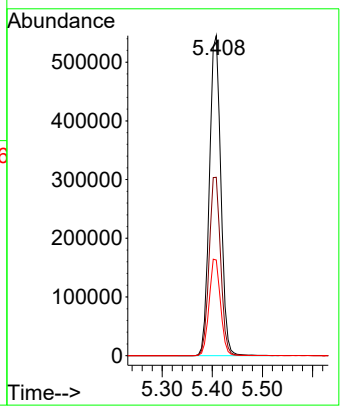




#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:112 Resp: 86220

Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.8
63	29.9	22.7	34.1



Instrument :
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ClientSampleId :
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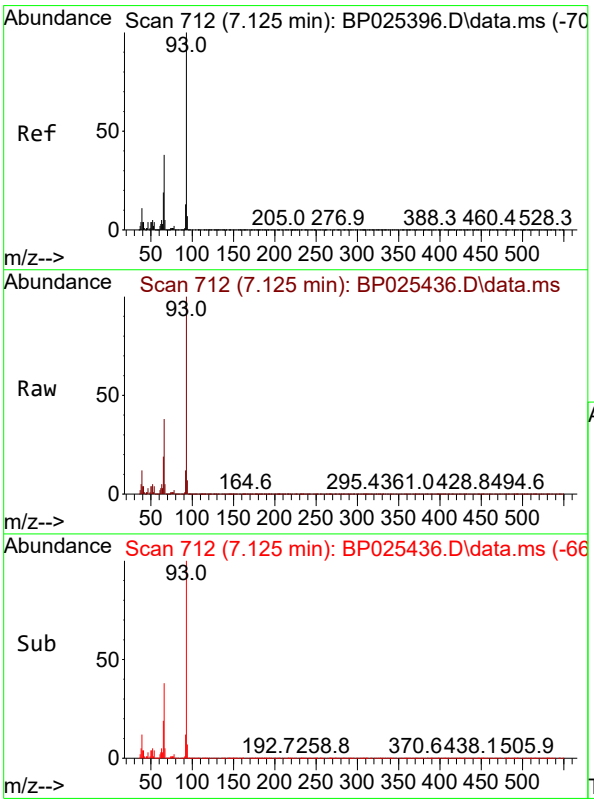
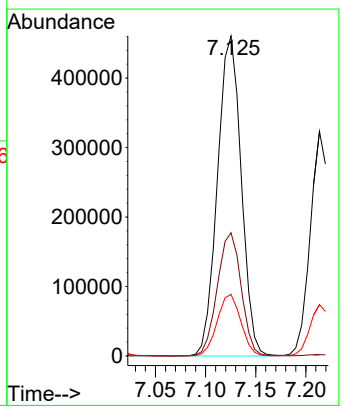
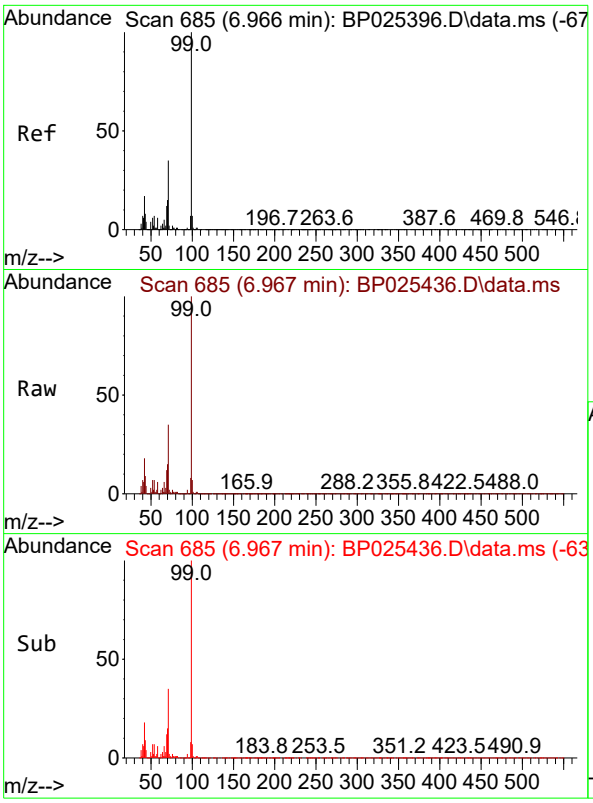


#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 757650

Ion	Ratio	Lower	Upper
93	100		
66	38.5	30.4	45.6
65	19.3	15.3	22.9

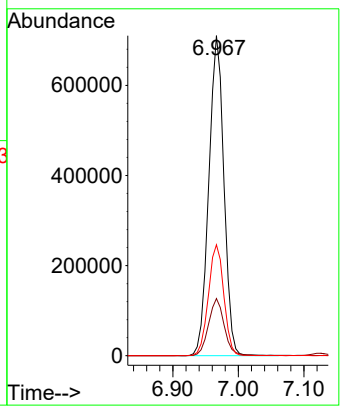




#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 99 Resp: 113596

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	34.7	28.2	42.4



Instrument :
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ClientSampleId :
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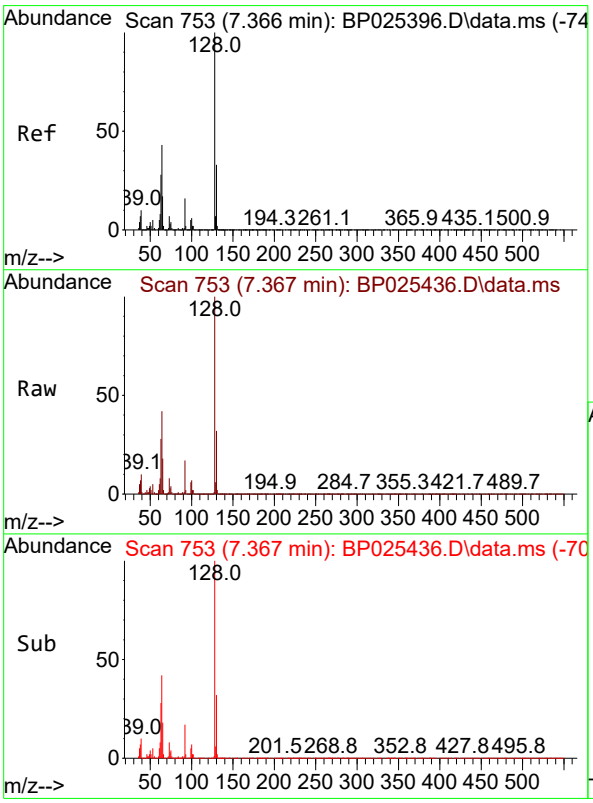
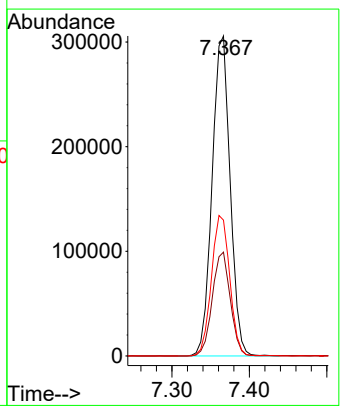
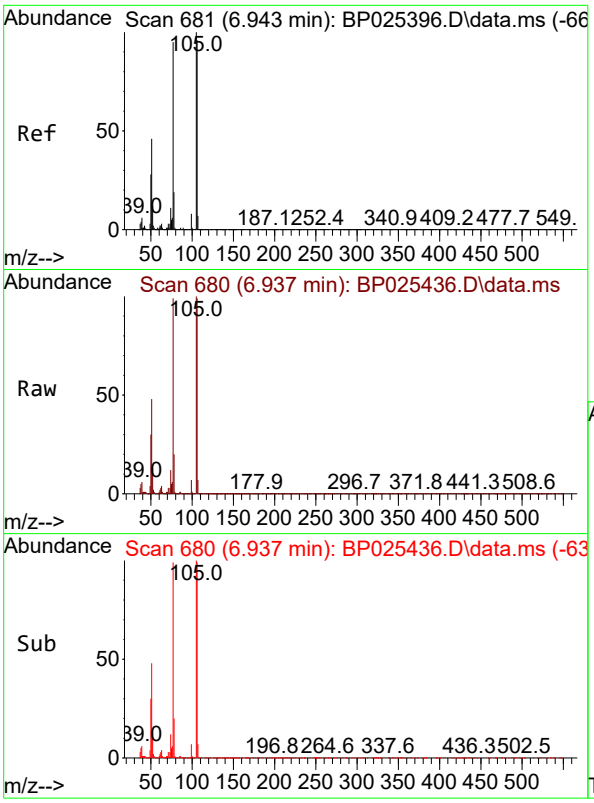


#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:128 Resp: 495342

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	42.4	23.4	63.4

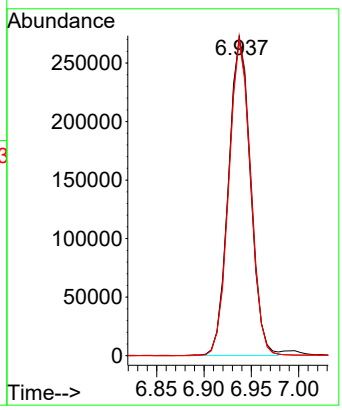




#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 43703

Ion	Ratio	Lower	Upper
77	100		
105	101.5	84.8	124.8
106	100.1	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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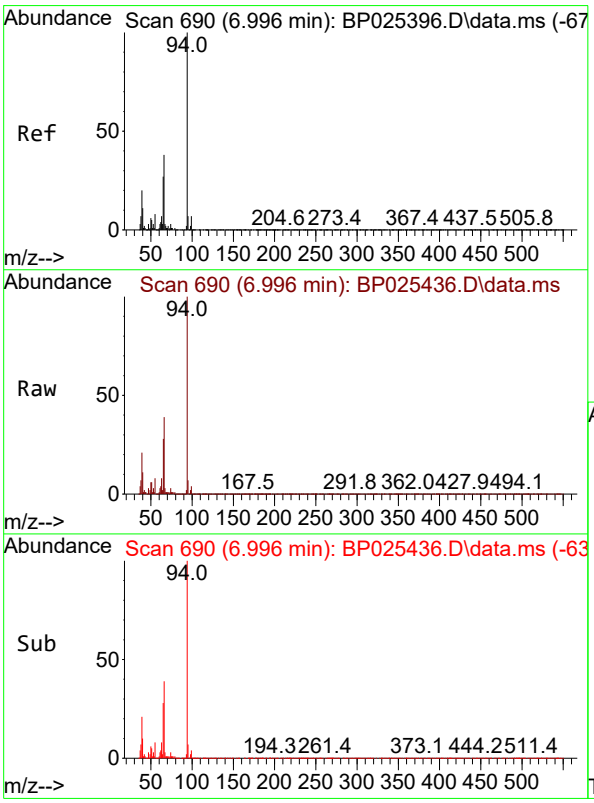
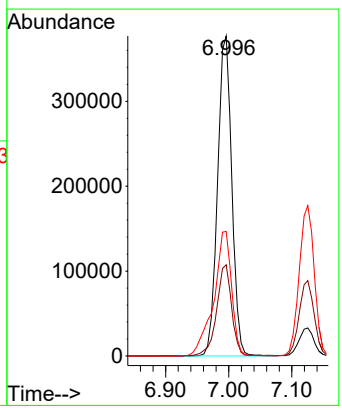
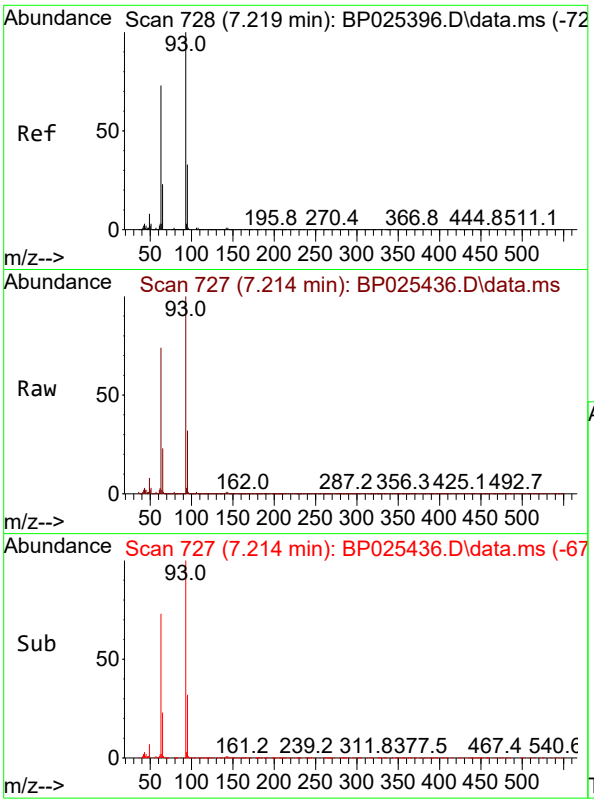


#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 94 Resp: 590307

Ion	Ratio	Lower	Upper
94	100		
65	28.5	6.8	46.8
66	38.9	18.2	58.2

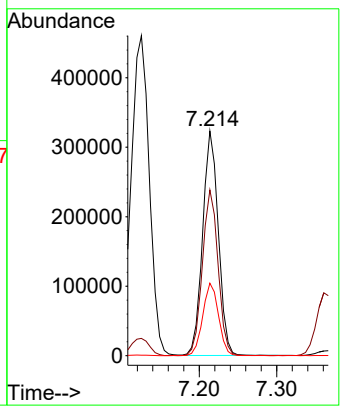




#11
bis(2-Chloroethyl)ether
Concen: 43.239 ng
RT: 7.214 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 45356

Ion	Ratio	Lower	Upper
93	100		
63	73.8	52.6	92.6
95	32.3	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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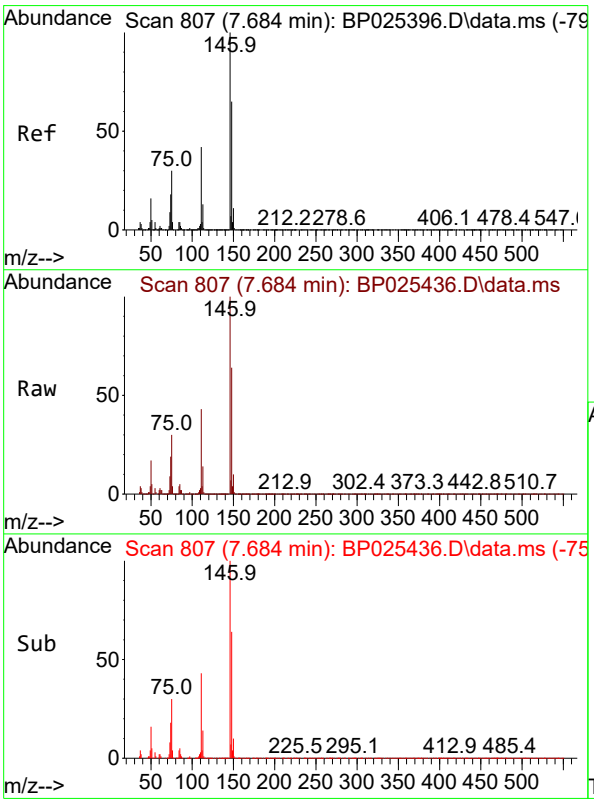
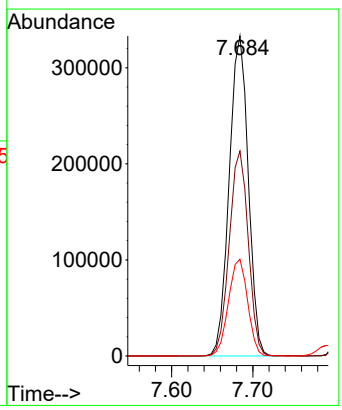
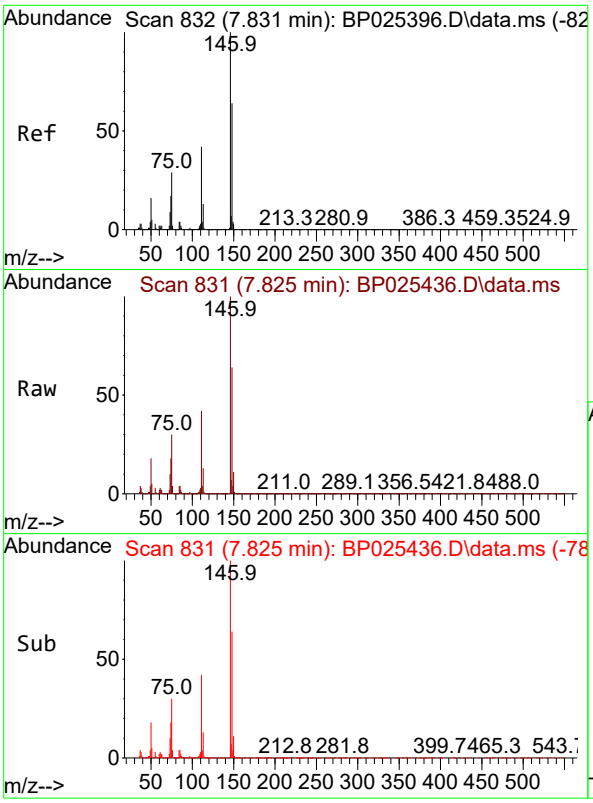


#12
1,3-Dichlorobenzene
Concen: 43.622 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 543009

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	30.2	23.7	35.5

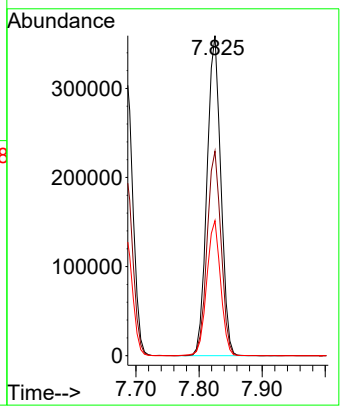




#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 54646

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	42.2	33.4	50.0



Instrument :
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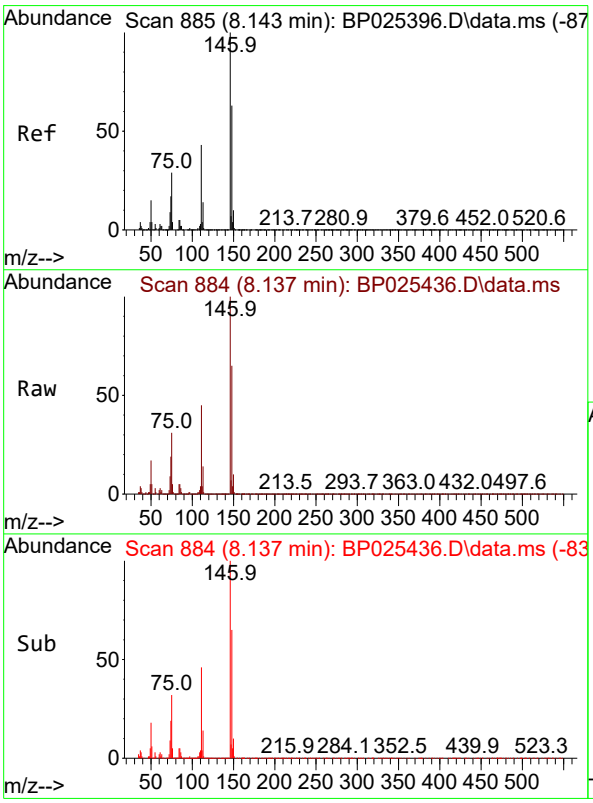
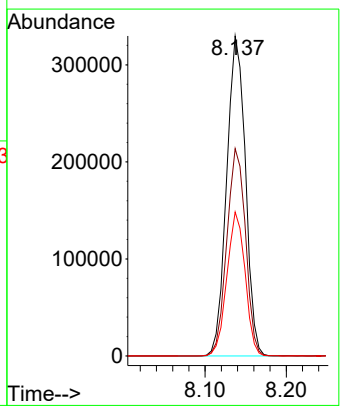
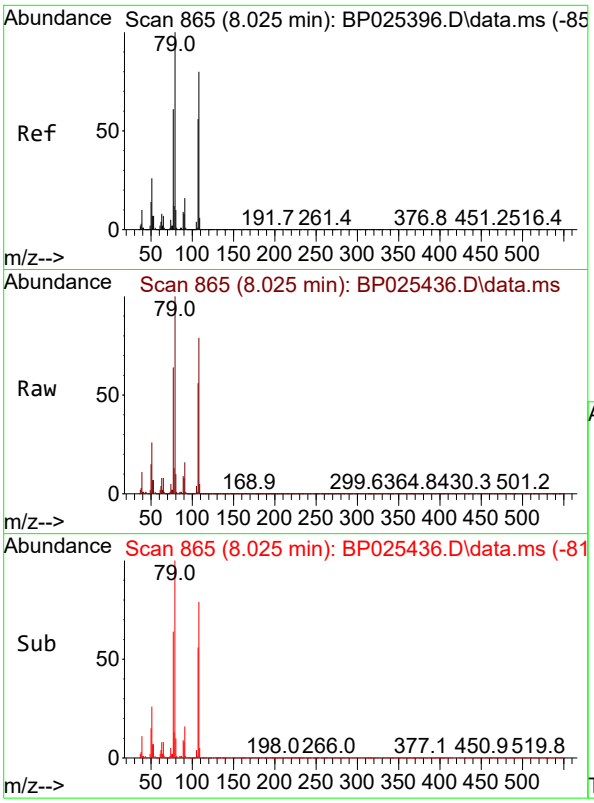


#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 530443

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	45.0	34.5	51.7





#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 79 Resp: 45473

Ion	Ratio	Lower	Upper
79	100		
108	79.1	63.8	95.6
77	63.6	49.0	73.4

Instrument :
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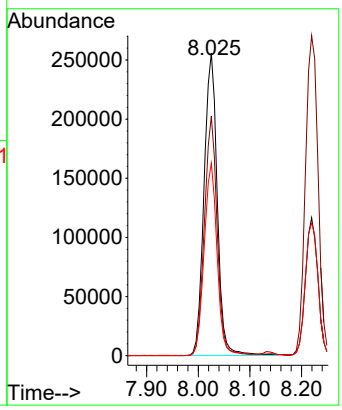
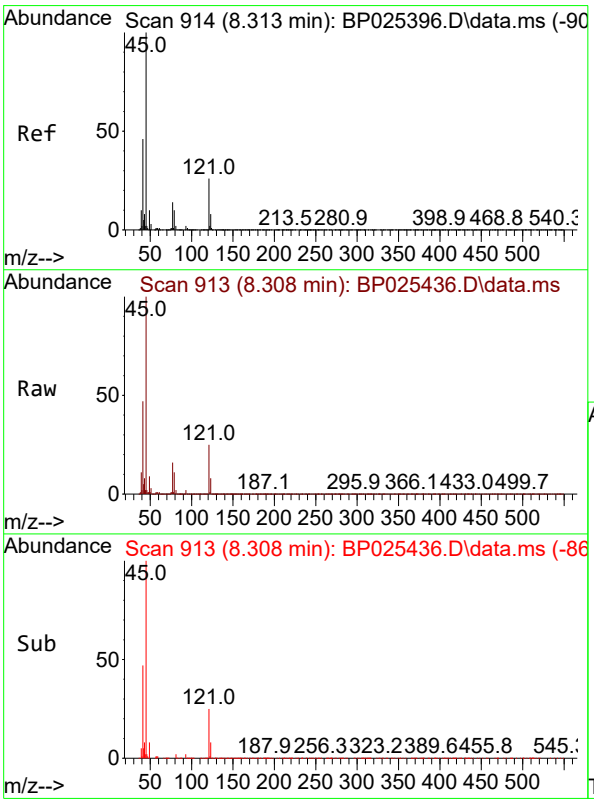
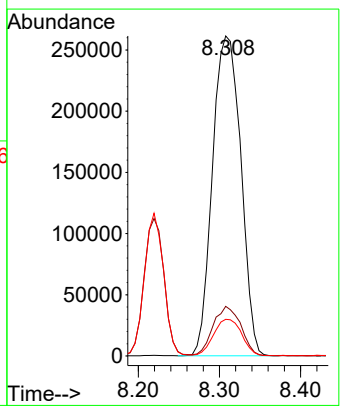


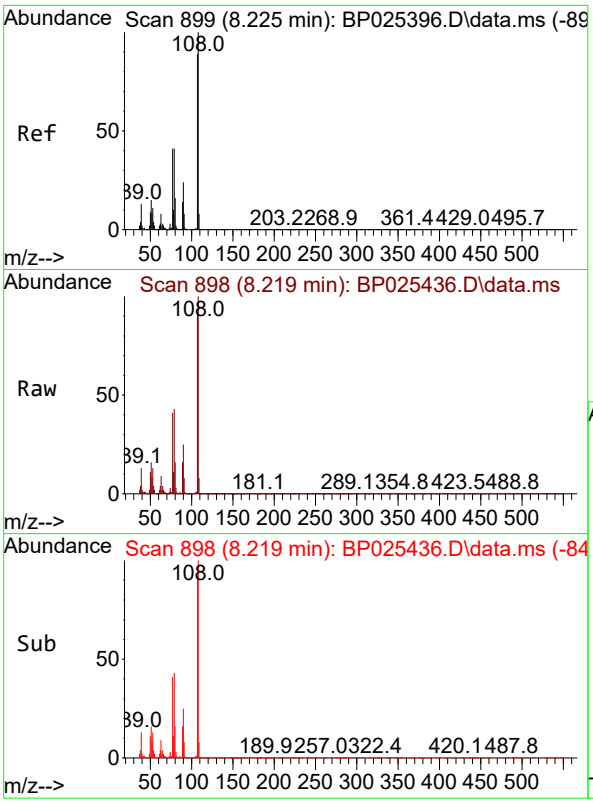


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 45 Resp: 634562

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.3
79	11.5	0.0	31.8

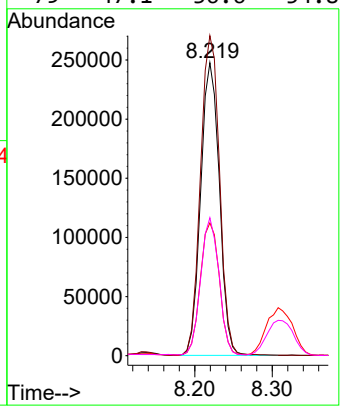




#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 41449

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.4	134.0
77	45.3	36.3	54.5
79	47.1	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
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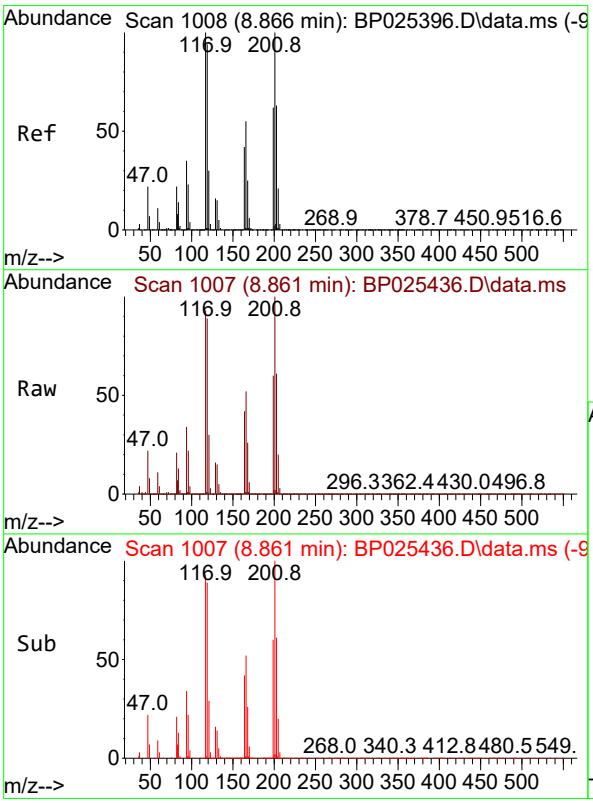
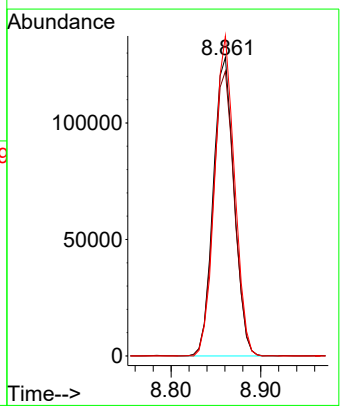
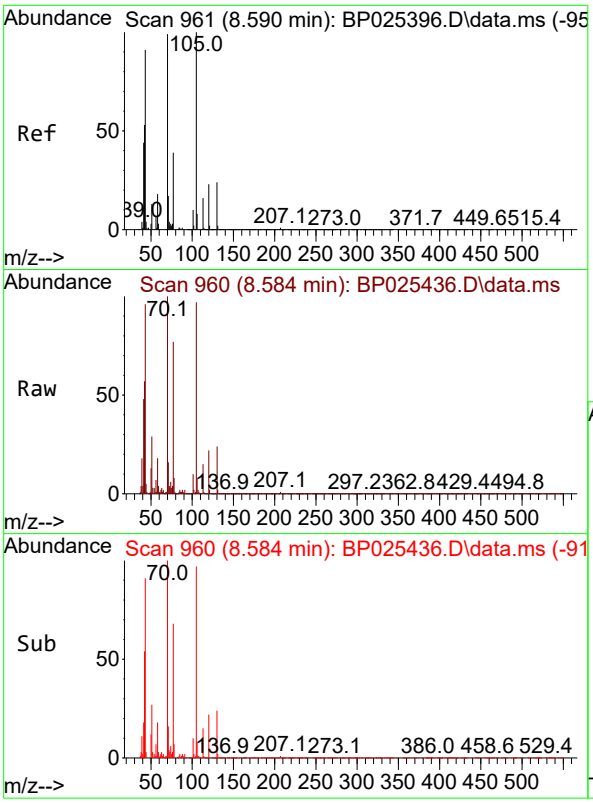


#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:117 Resp: 206177

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	107.2	80.1	120.1

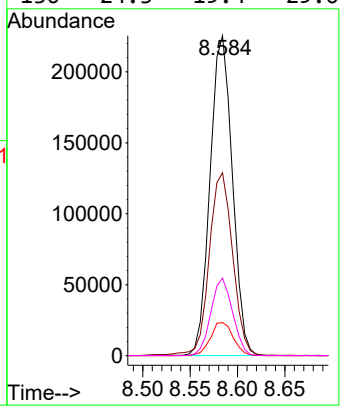




#19
n-Nitroso-di-n-propylamine
Concen: 43.396 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 70 Resp: 36867

Ion	Ratio	Lower	Upper
70	100		
42	57.2	43.8	65.6
101	10.4	8.5	12.7
130	24.3	19.4	29.0



Instrument :
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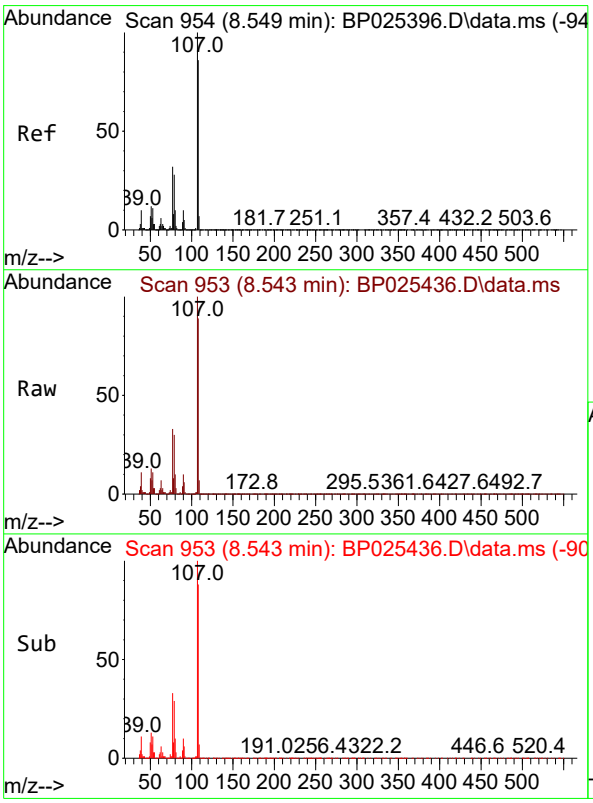
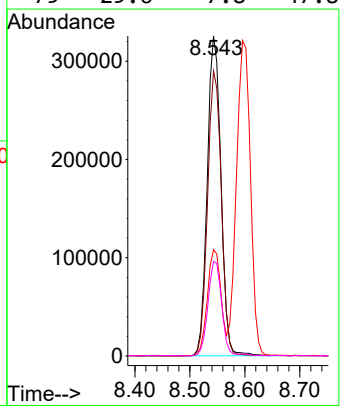
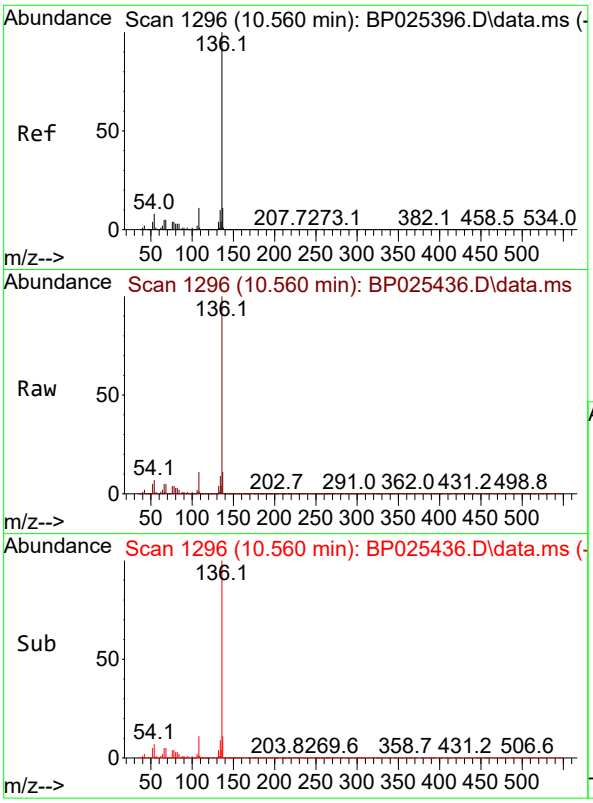


#20
3+4-Methylphenols
Concen: 43.573 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 564553

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	33.2	12.3	52.3
79	29.6	7.8	47.8

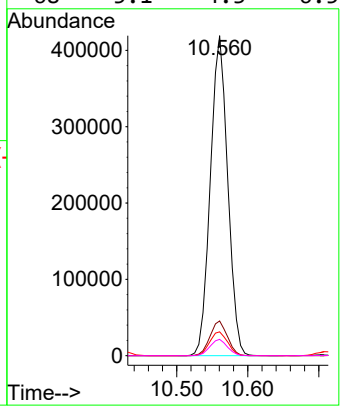




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:136 Resp: 71047

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5



Instrument :
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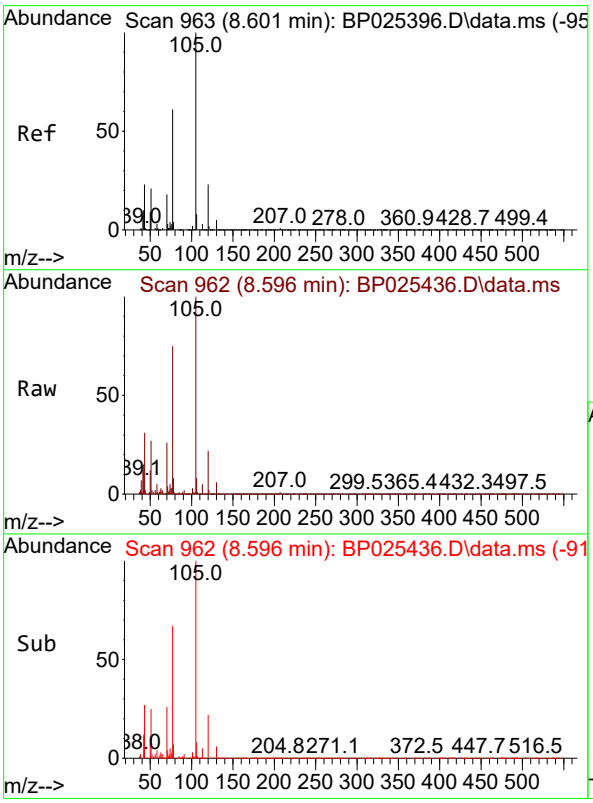
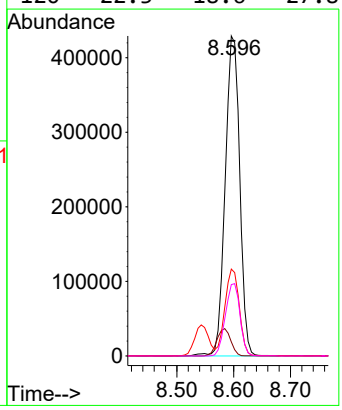
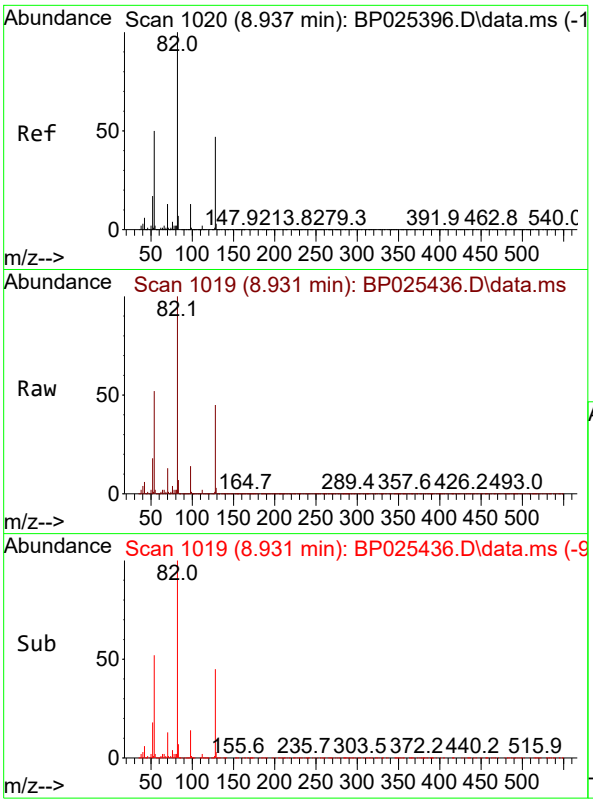


#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:105 Resp: 762747

Ion	Ratio	Lower	Upper
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8

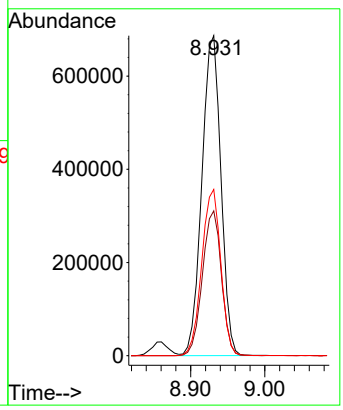




#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 82 Resp: 122466

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	52.0	39.8	59.6



Instrument :
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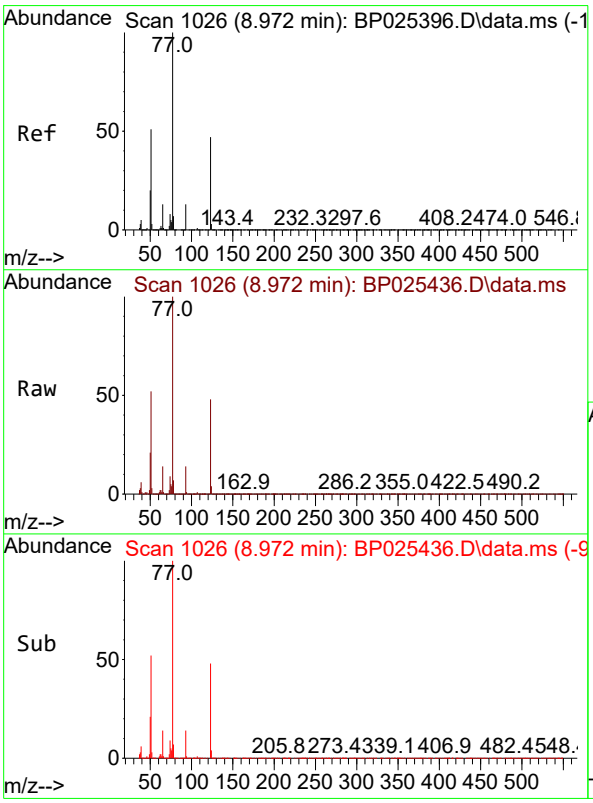
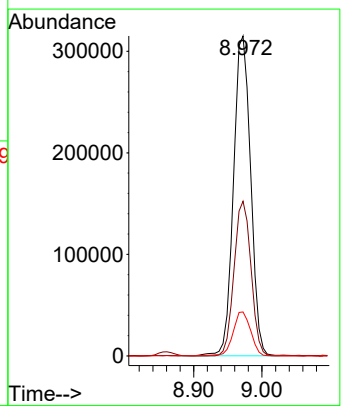
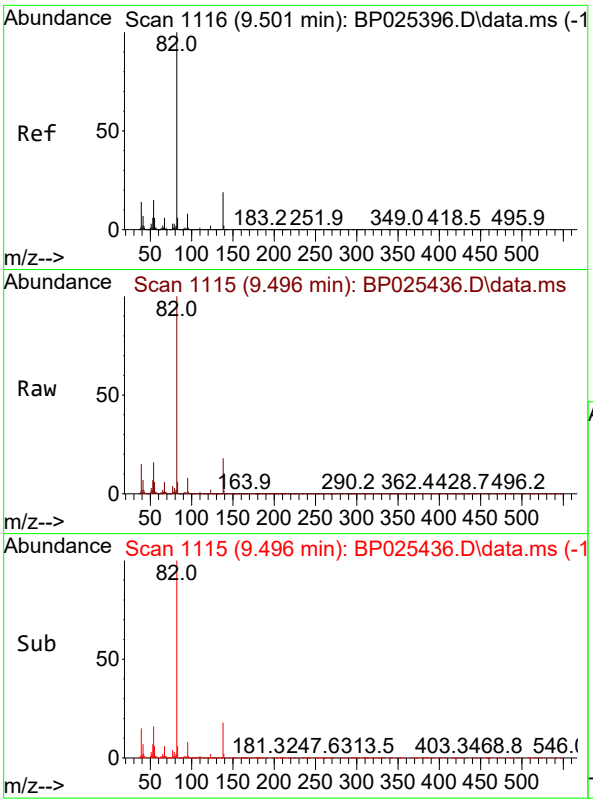


#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 551258

Ion	Ratio	Lower	Upper
77	100		
123	48.4	38.6	58.0
65	13.8	10.6	15.8

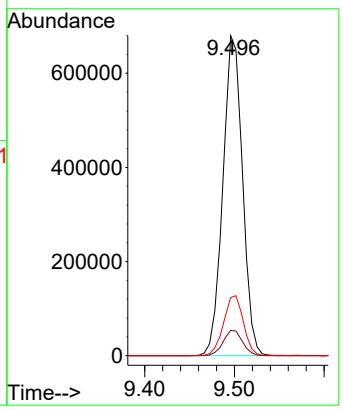




#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 82 Resp: 103335

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.1	15.4	23.0



Instrument :
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ClientSampleId :
SSTDCCC040EC

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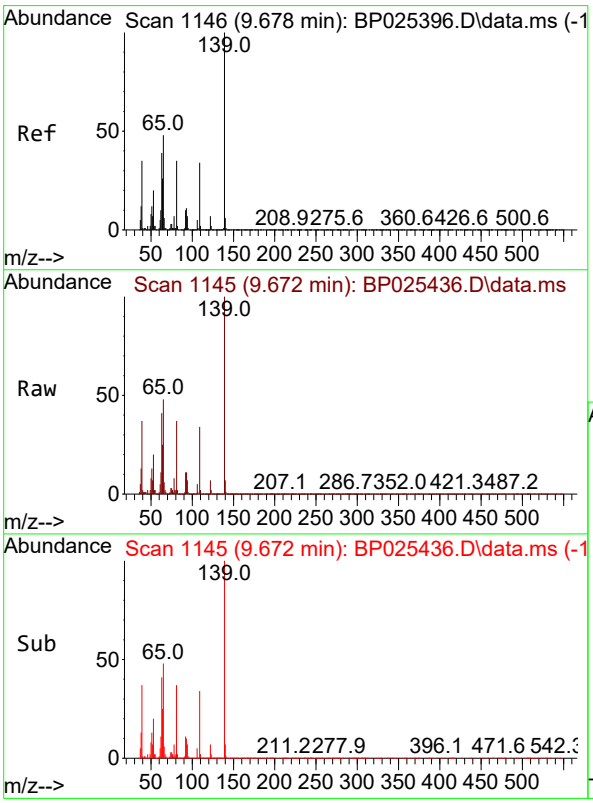
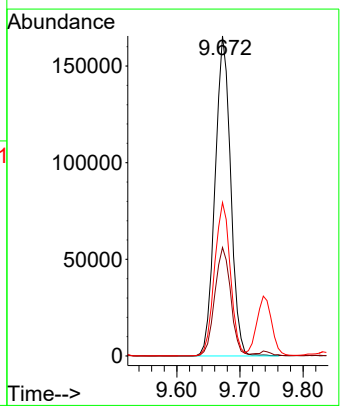
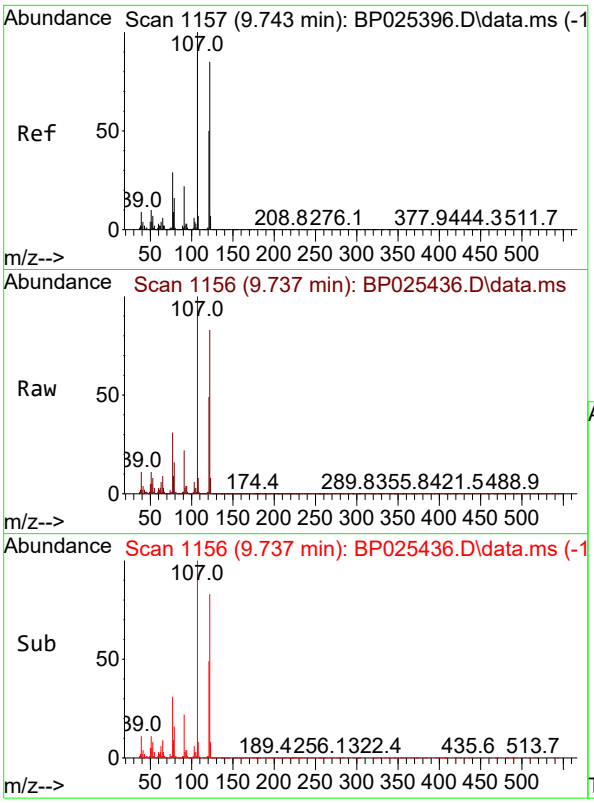


#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 283328

Ion	Ratio	Lower	Upper
139	100		
109	33.9	26.9	40.3
65	47.9	38.3	57.5

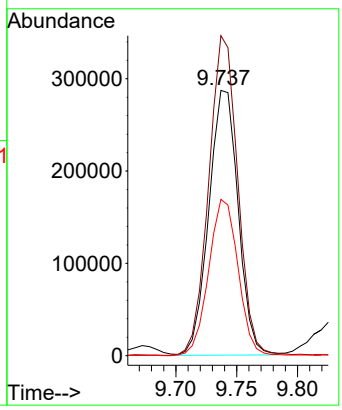




#27
2,4-Dimethylphenol
Concen: 43.443 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:122 Resp: 48127

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	58.9	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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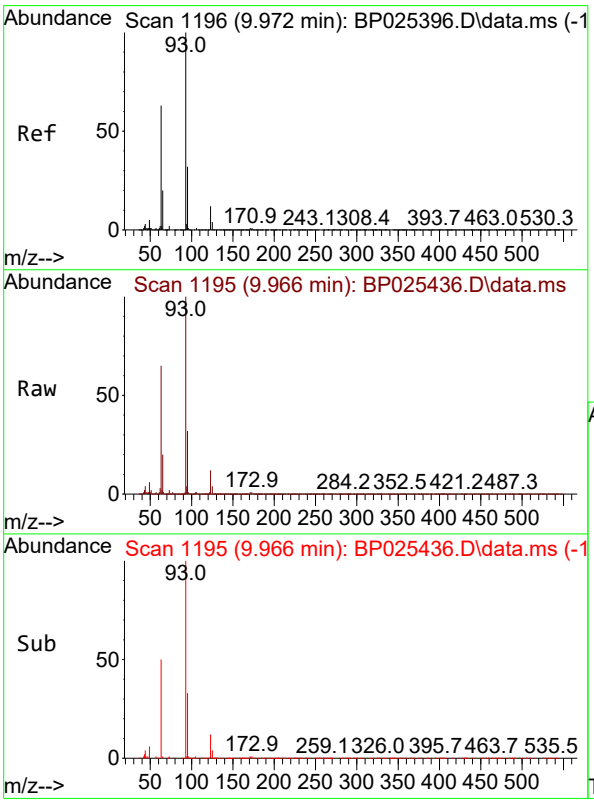
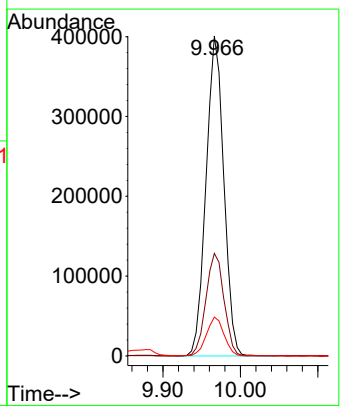
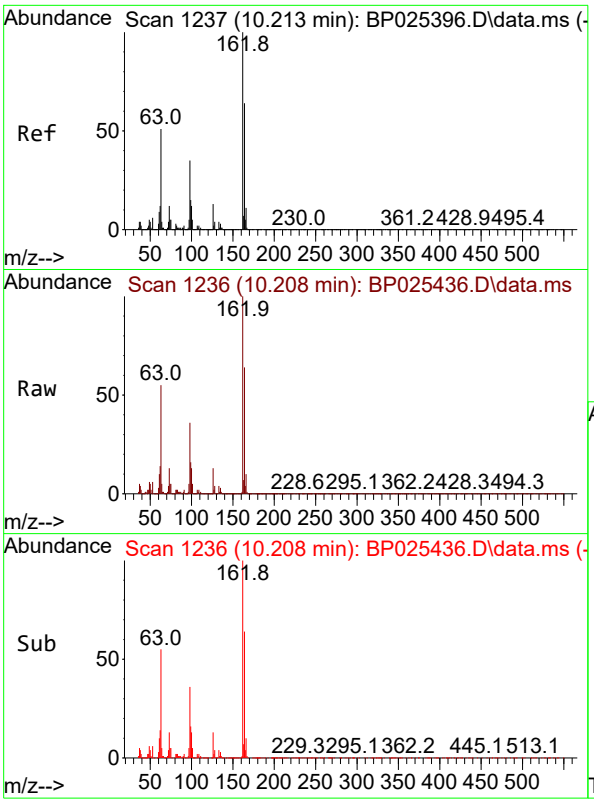


#28
bis(2-Chloroethoxy)methane
Concen: 42.398 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 637027

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	12.1	9.4	14.0

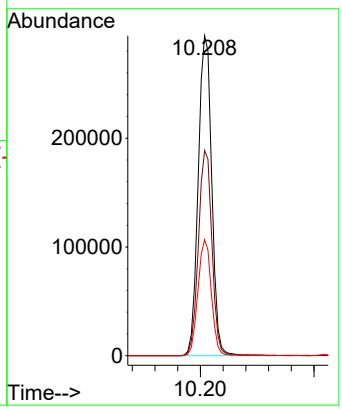




#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:162 Resp: 48691

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	36.2	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
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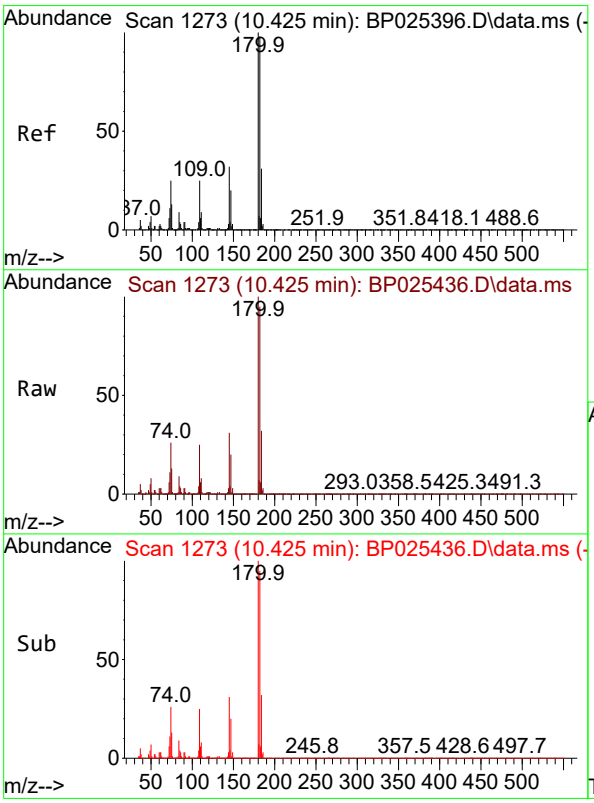
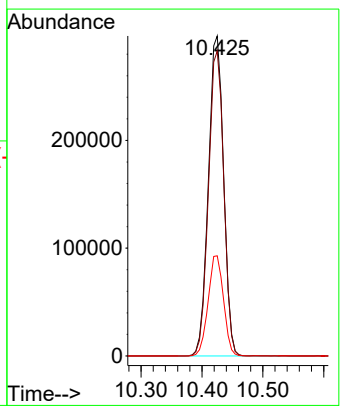
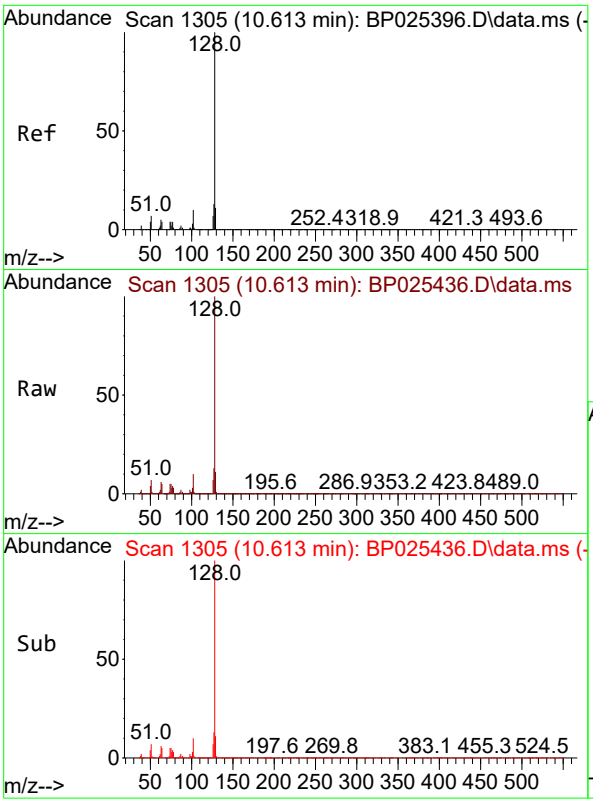


#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:180 Resp: 515873

Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.0	117.0
145	31.3	25.9	38.9

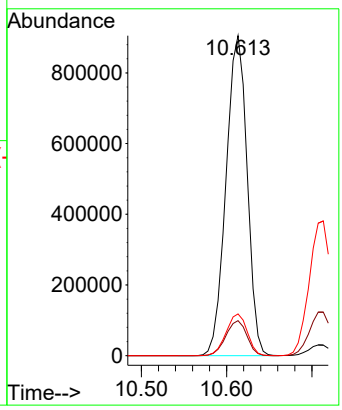




#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:128 Resp: 155897

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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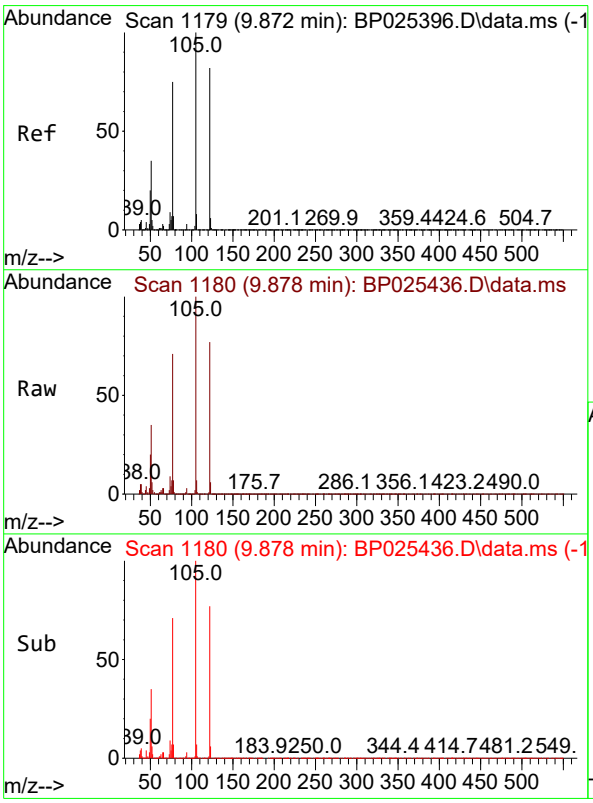
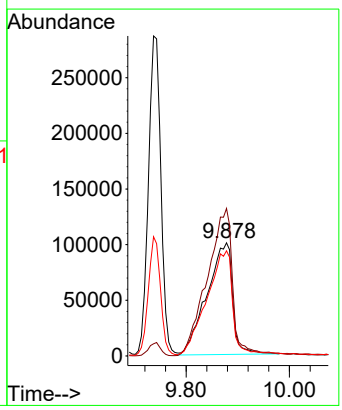
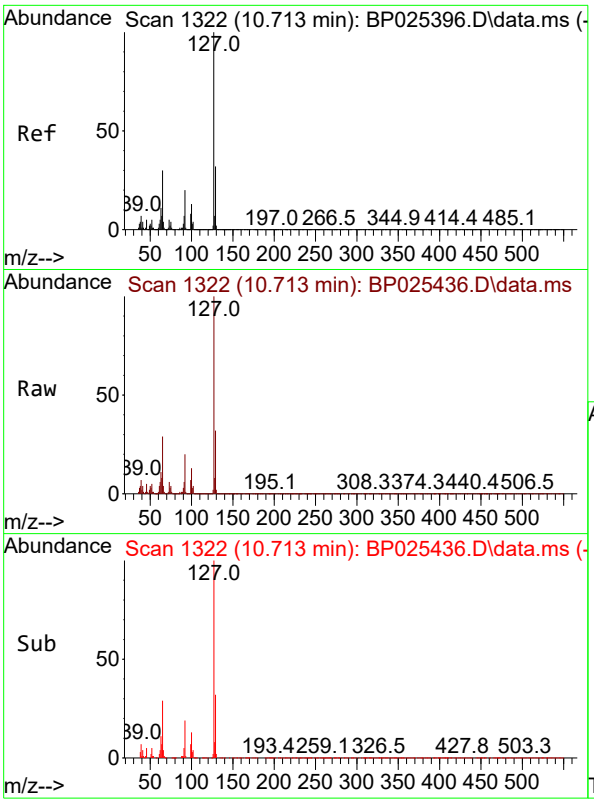


#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:122 Resp: 346284

Ion	Ratio	Lower	Upper
122	100		
105	130.5	100.6	140.6
77	93.0	71.5	111.5

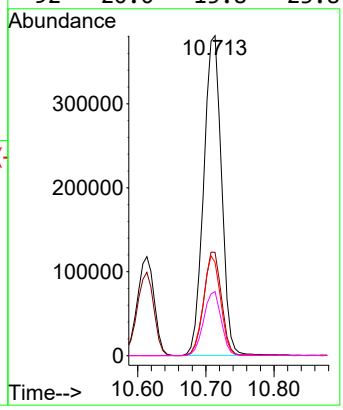




#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:127 Resp: 69377

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	29.1	23.8	35.6
92	20.0	15.8	23.8



Instrument :
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ClientSampleId :
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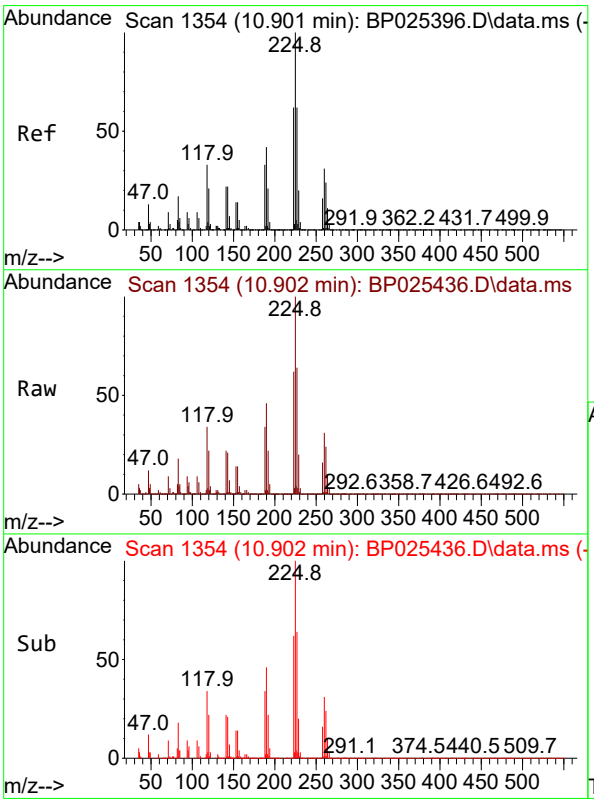
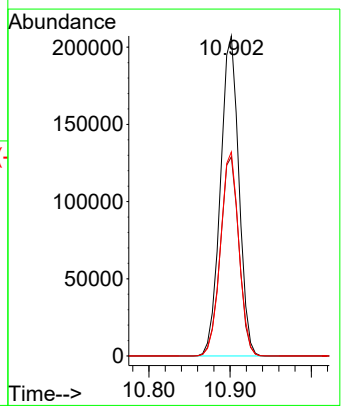
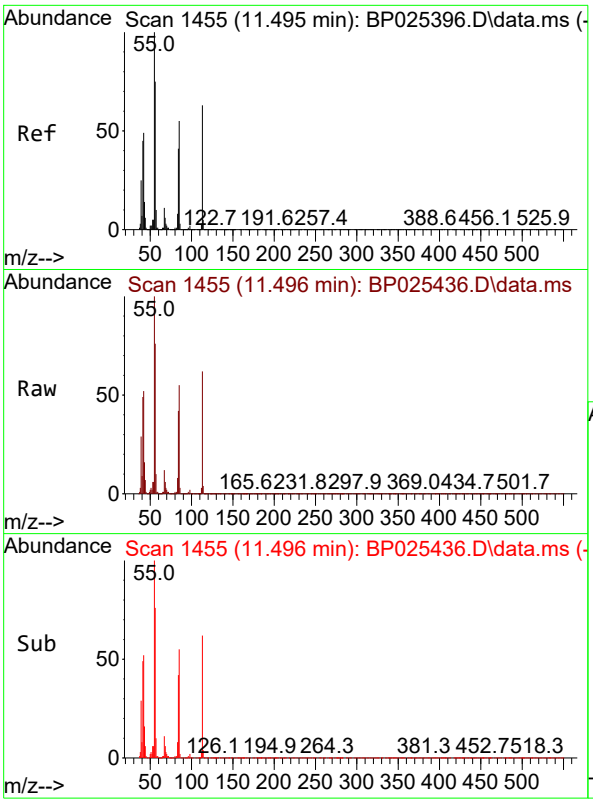


#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:225 Resp: 326490

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5

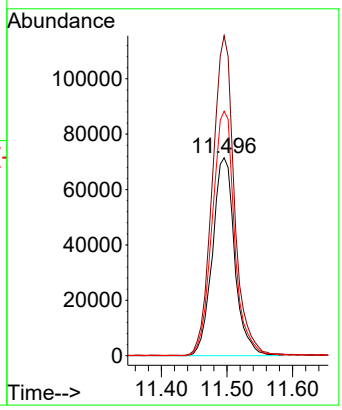




#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:113 Resp: 16768

Ion	Ratio	Lower	Upper
113	100		
55	161.7	140.0	180.0
56	123.5	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
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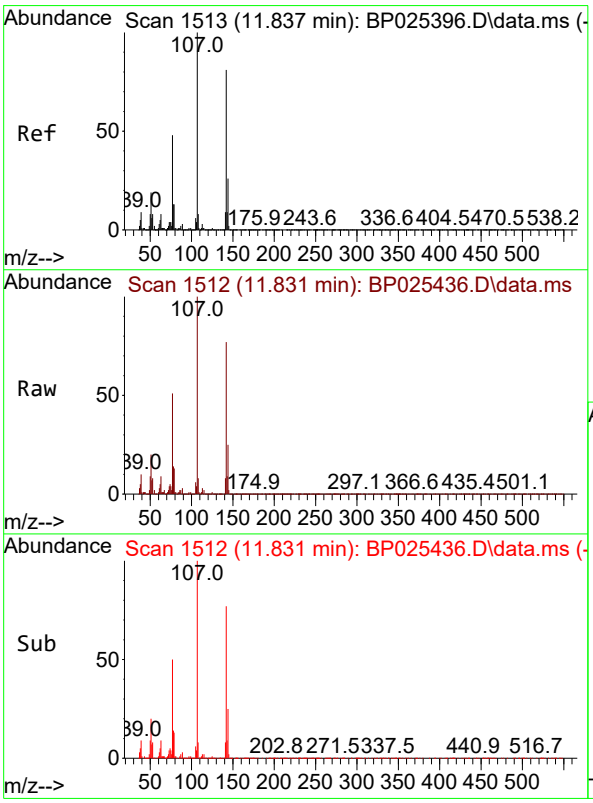
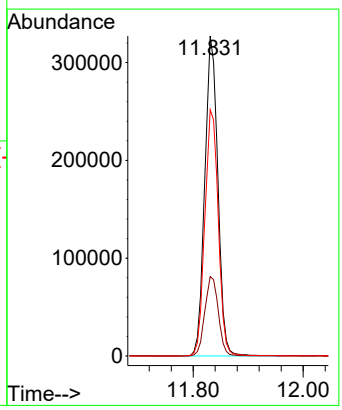
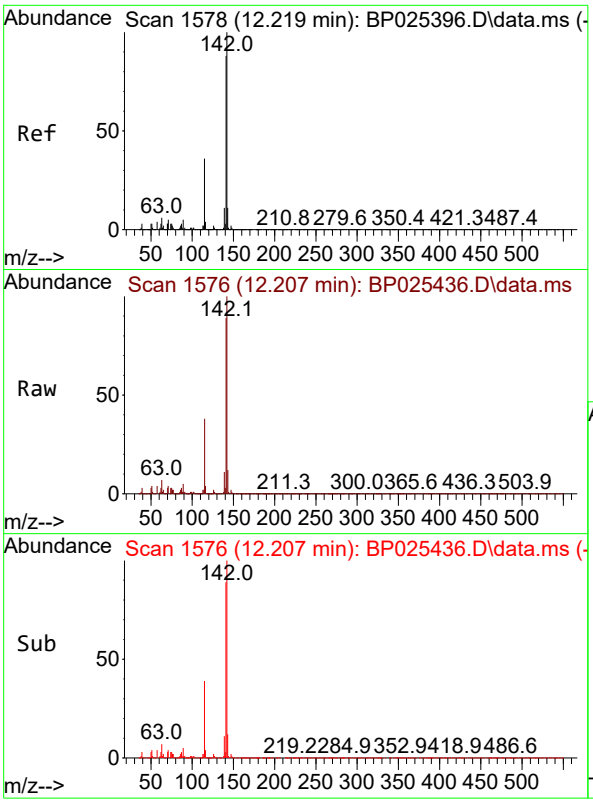


#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 539188

Ion	Ratio	Lower	Upper
107	100		
144	24.8	21.0	31.4
142	76.9	64.6	97.0

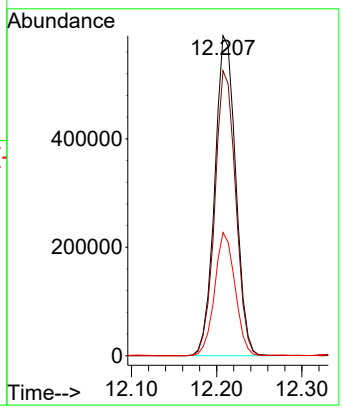




#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:142 Resp: 100853

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	38.5	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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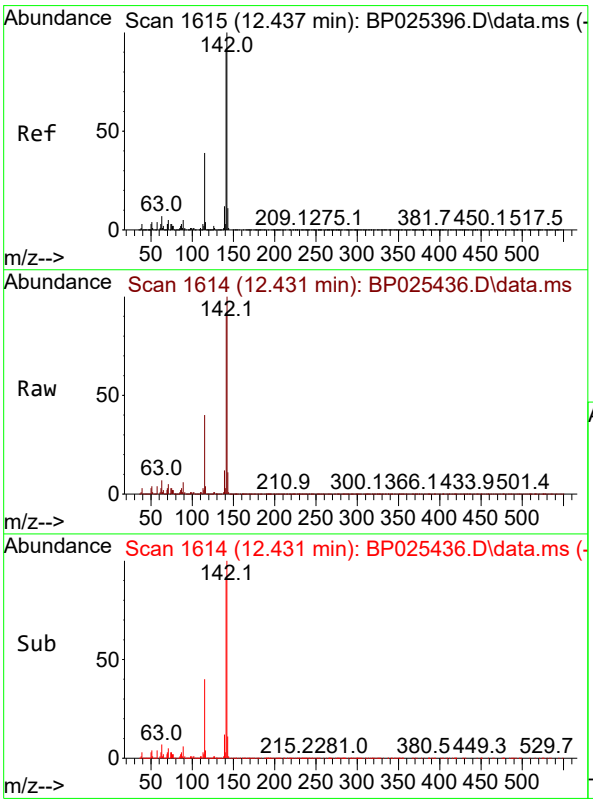
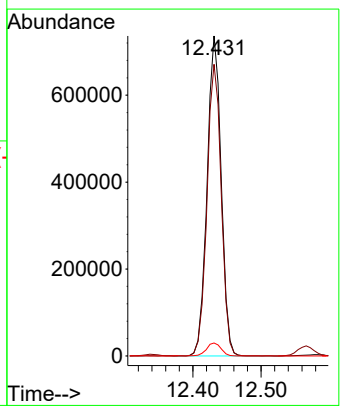
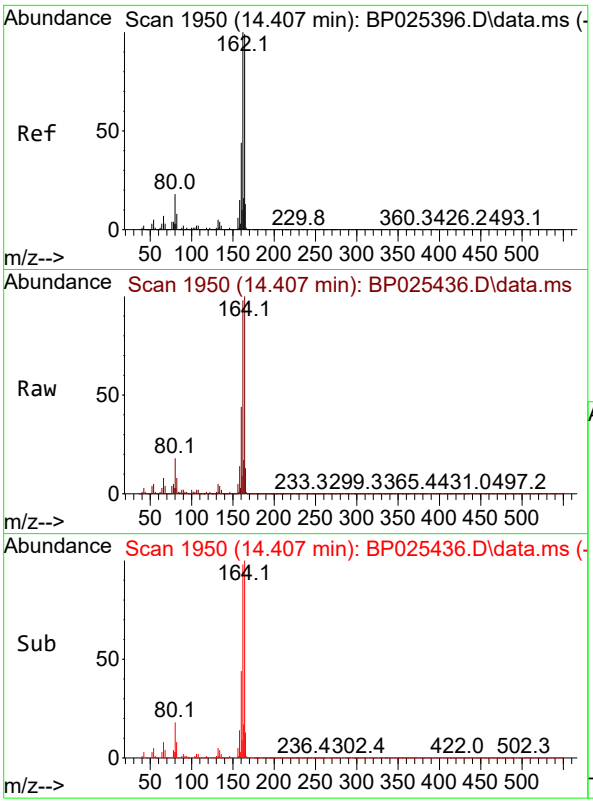


#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:142 Resp: 1057345

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.1	109.7
116	4.1	3.2	4.8

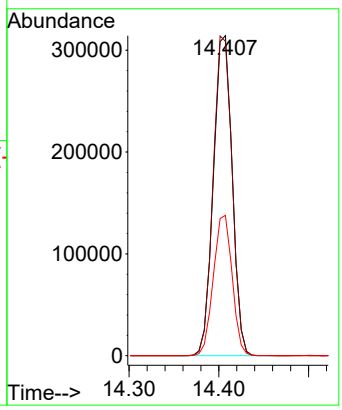




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:164 Resp: 45676

Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.0	121.6
160	43.8	35.4	53.2



Instrument :
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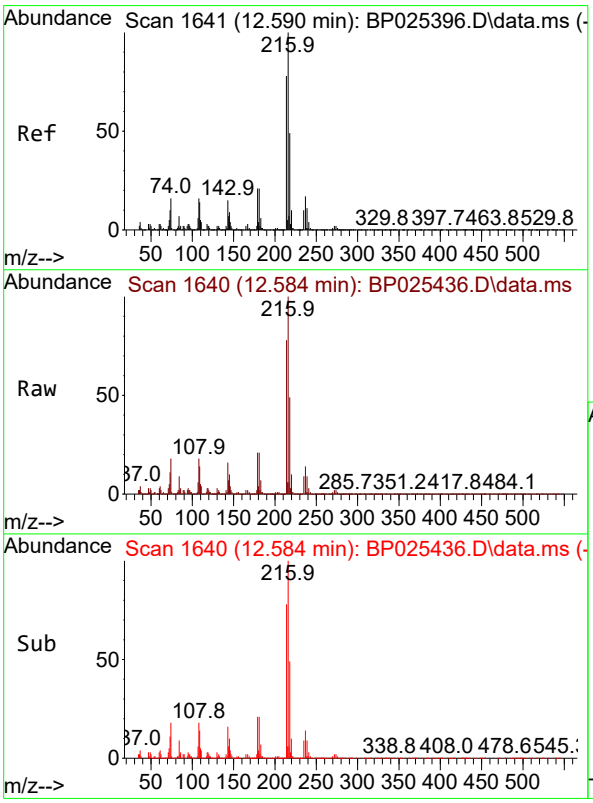
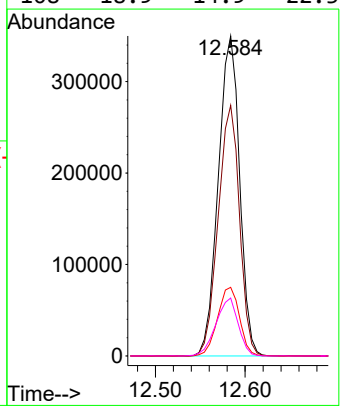
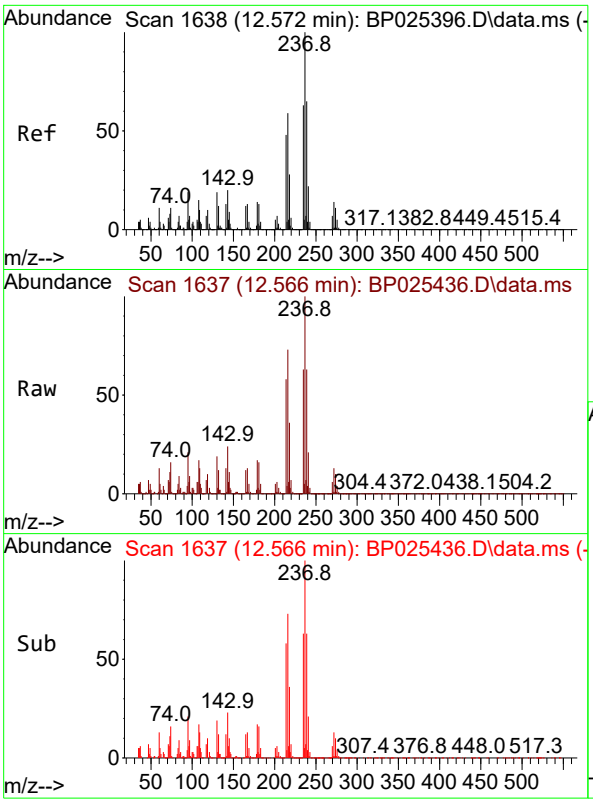


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:216 Resp: 577904

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	22.0	17.1	25.7
108	18.9	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:237 Resp: 29552

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.7	82.7
272	12.7	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
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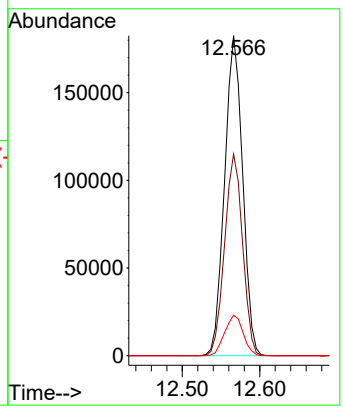
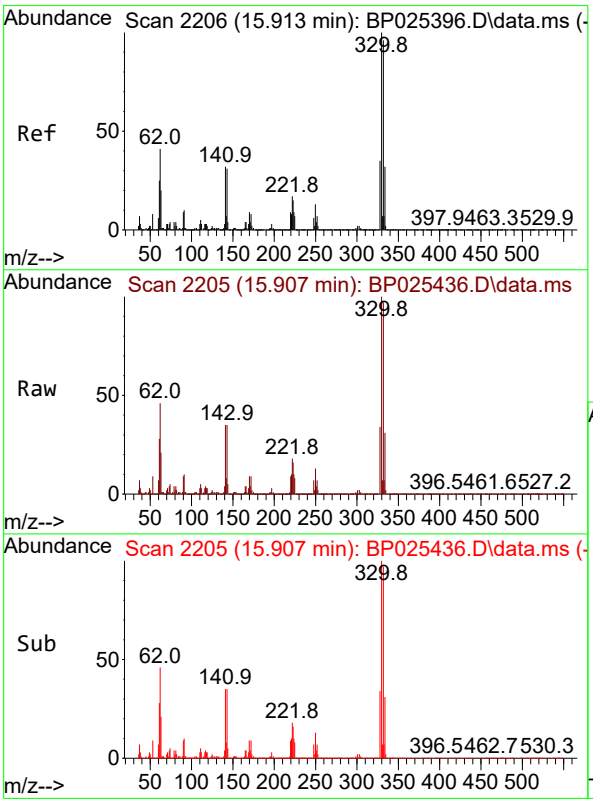
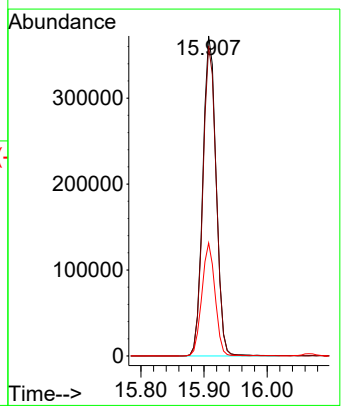


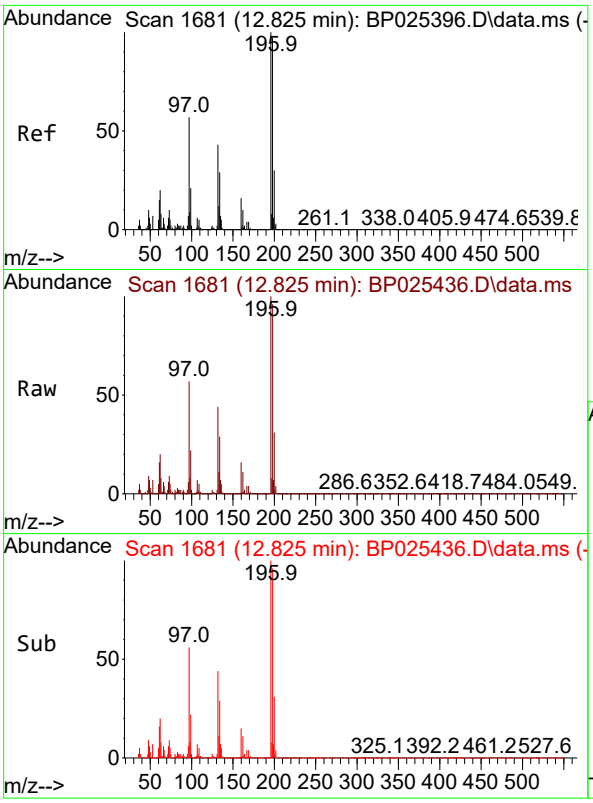


#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:330 Resp: 544037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	35.0	26.6	39.8

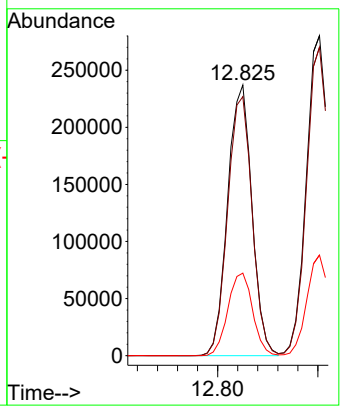




#43
2,4,6-Trichlorophenol
Concen: 44.759 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:196 Resp: 39862

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.2	115.8
200	30.5	23.9	35.9



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ClientSampleId :
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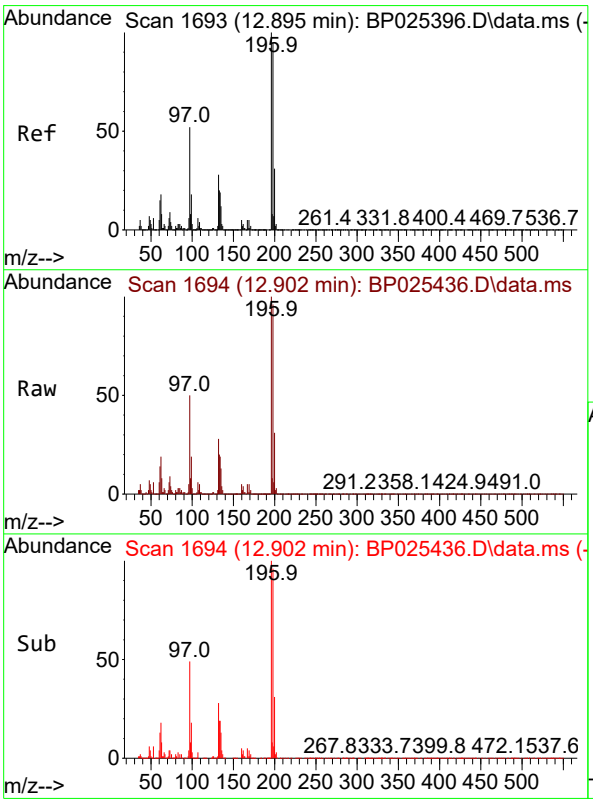
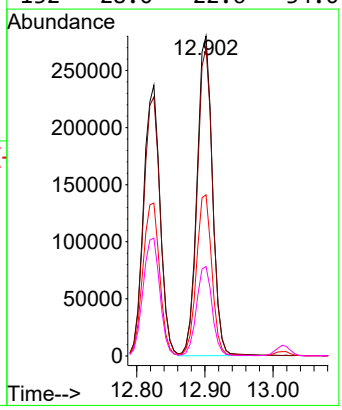
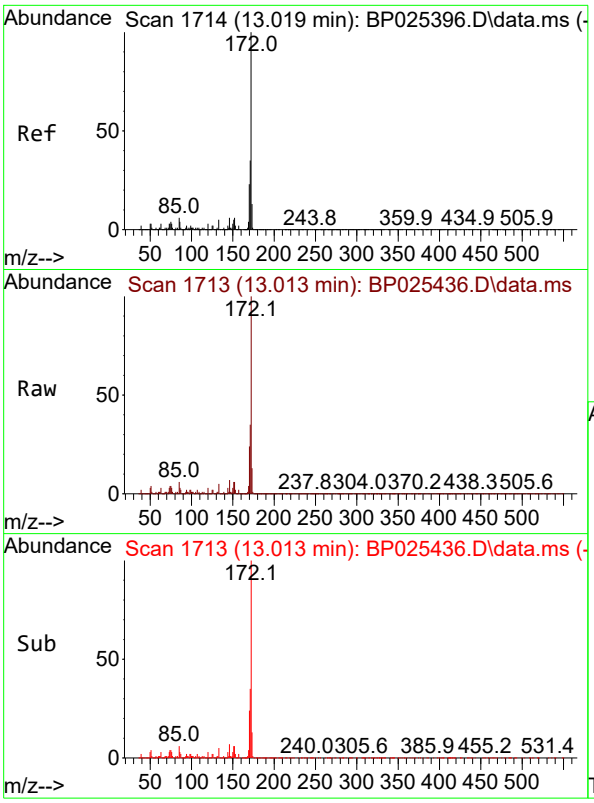


#44
2,4,5-Trichlorophenol
Concen: 45.101 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:196 Resp: 440218

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	50.4	41.2	61.8
132	28.0	22.6	34.0

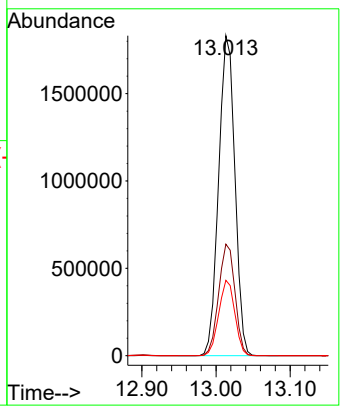




#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:172 Resp: 279065

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.5	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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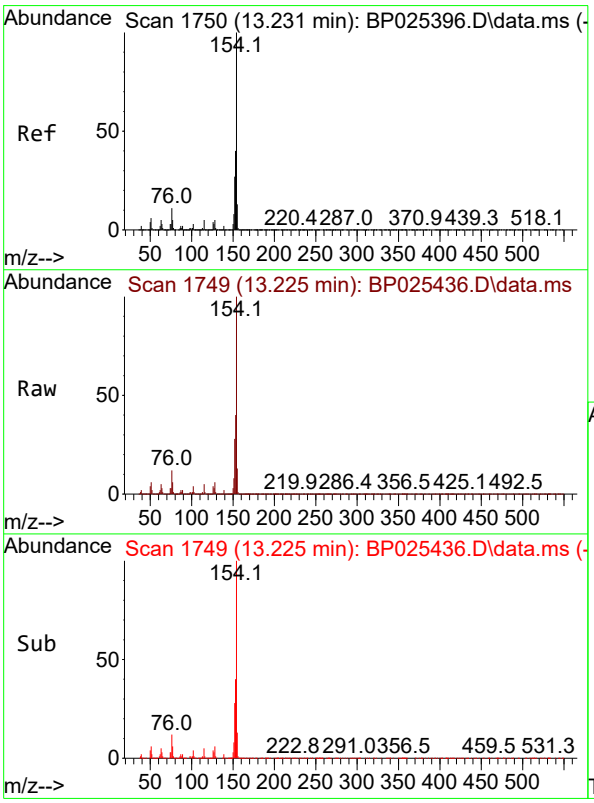
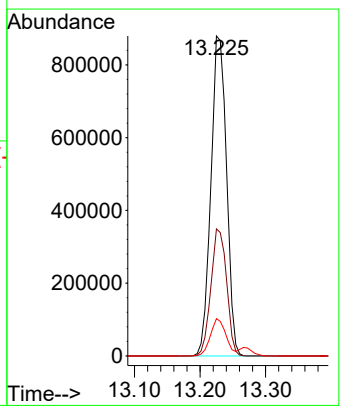
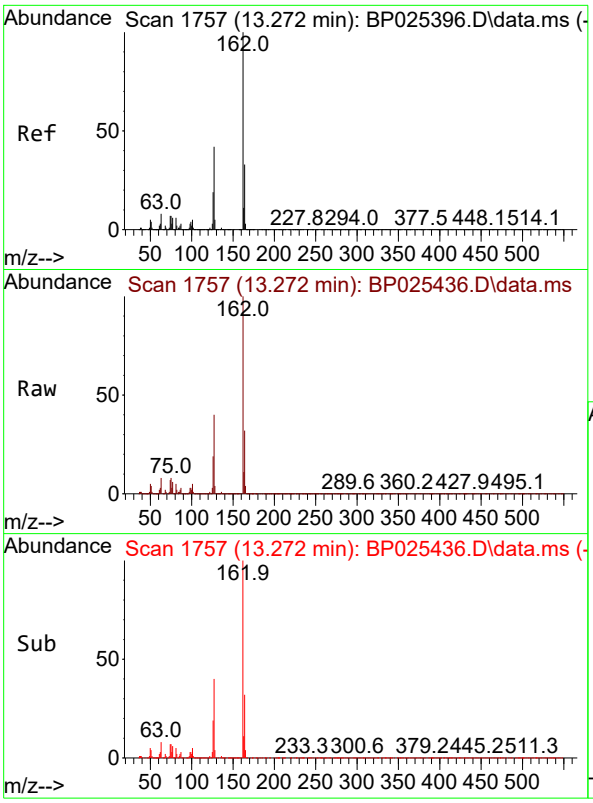


#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1452635

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.5	59.5
76	11.6	0.0	31.1

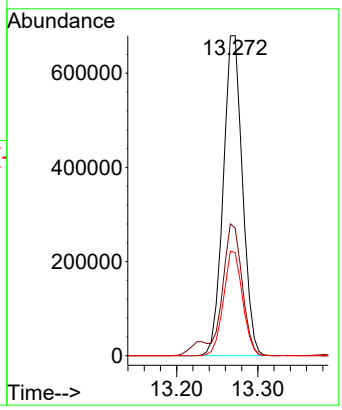




#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:162 Resp: 112095

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	32.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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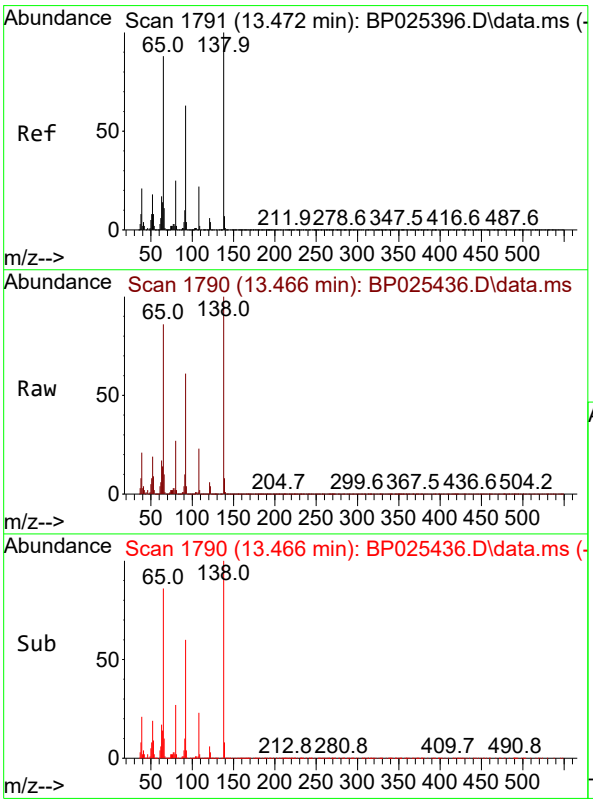
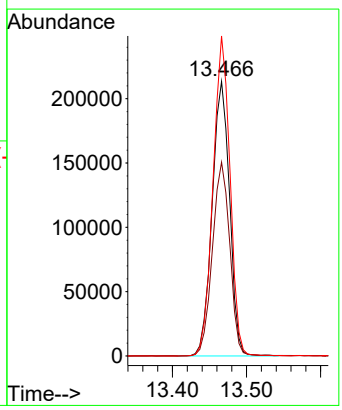
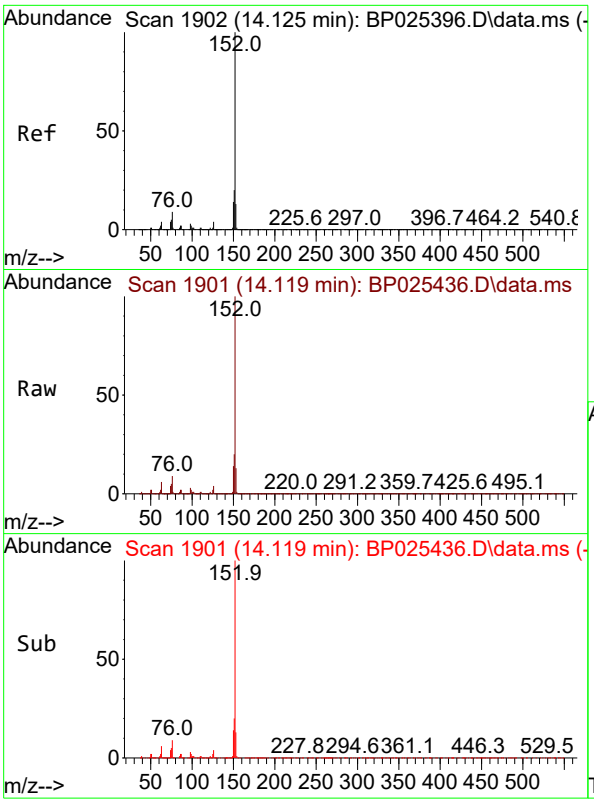


#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 65 Resp: 348676

Ion	Ratio	Lower	Upper
65	100		
92	70.5	57.6	86.4
138	116.5	91.0	136.6

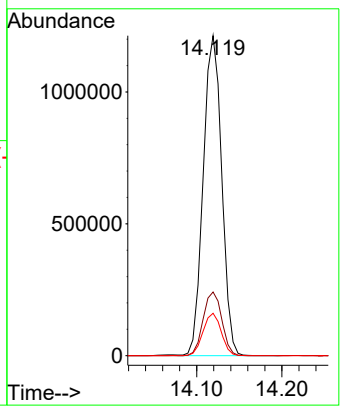




#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:152 Resp: 183067

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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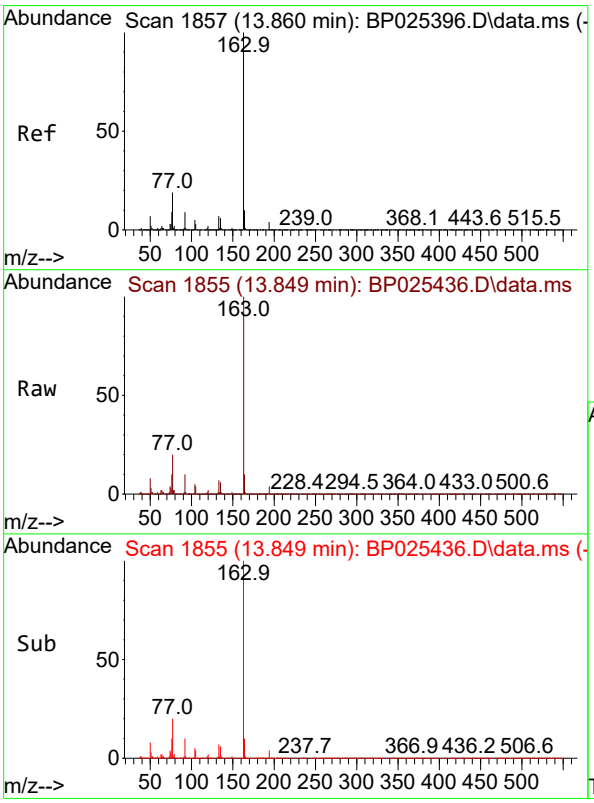
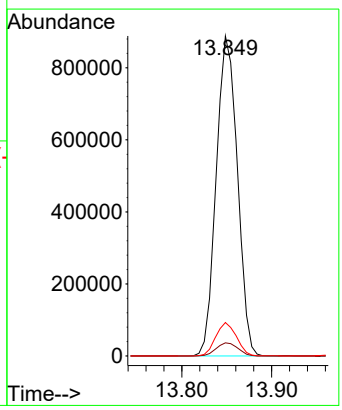
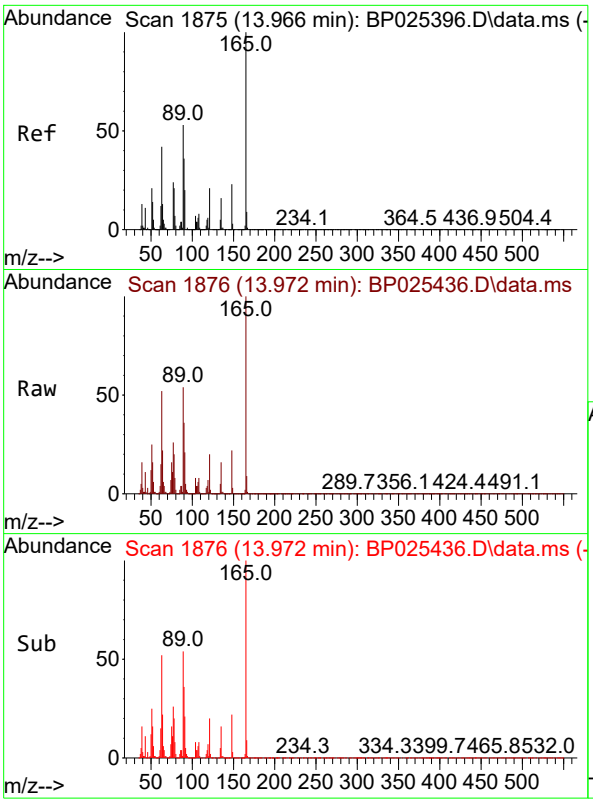


#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:163 Resp: 1455084

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:165 Resp: 31848

Ion	Ratio	Lower	Upper
165	100		
63	52.5	40.9	61.3
89	54.4	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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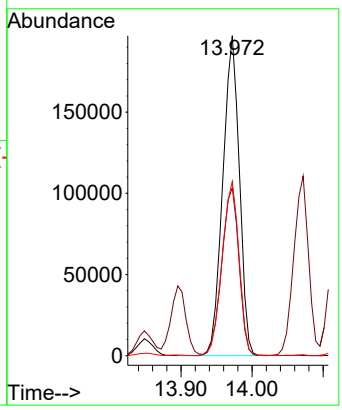
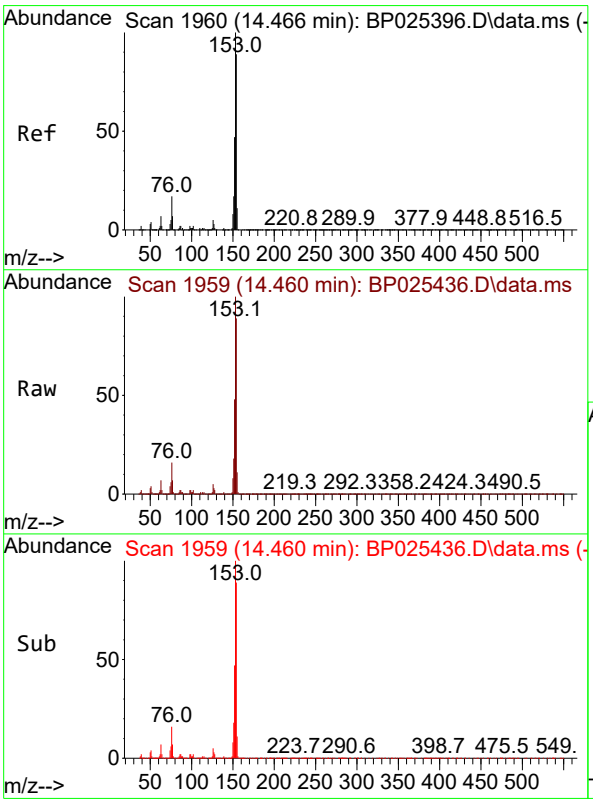
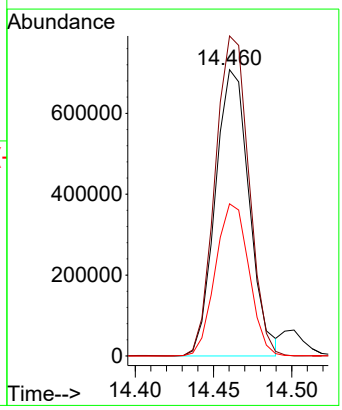


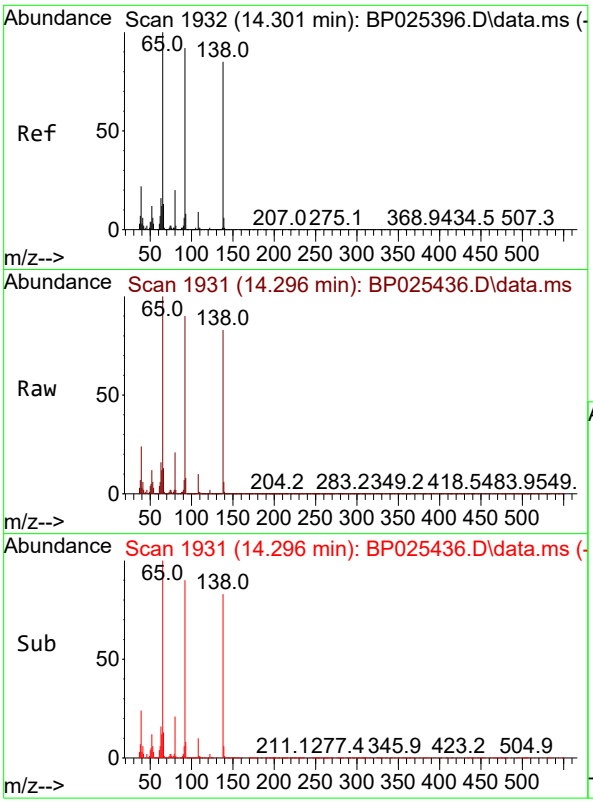


#52
Acenaphthene
Concen: 42.589 ng m
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1068266

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	53.2	42.1	63.1





#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:138 Resp: 35639

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	108.6	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
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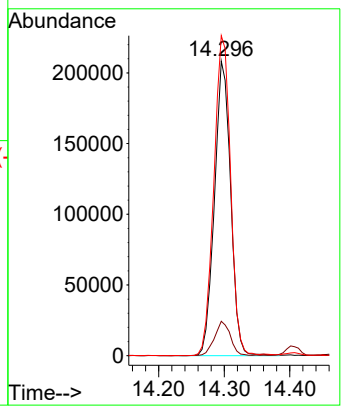
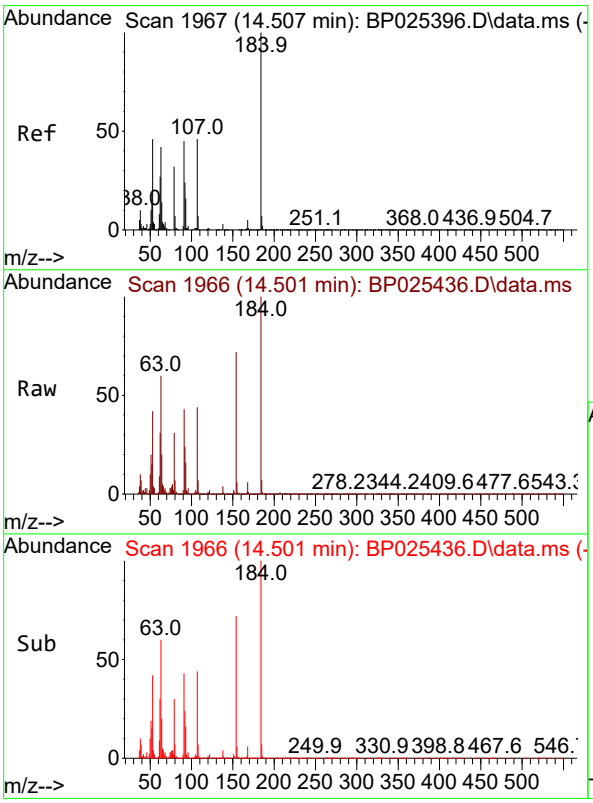
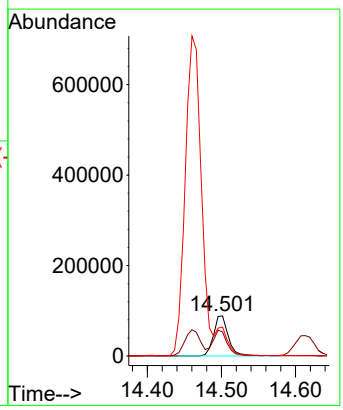


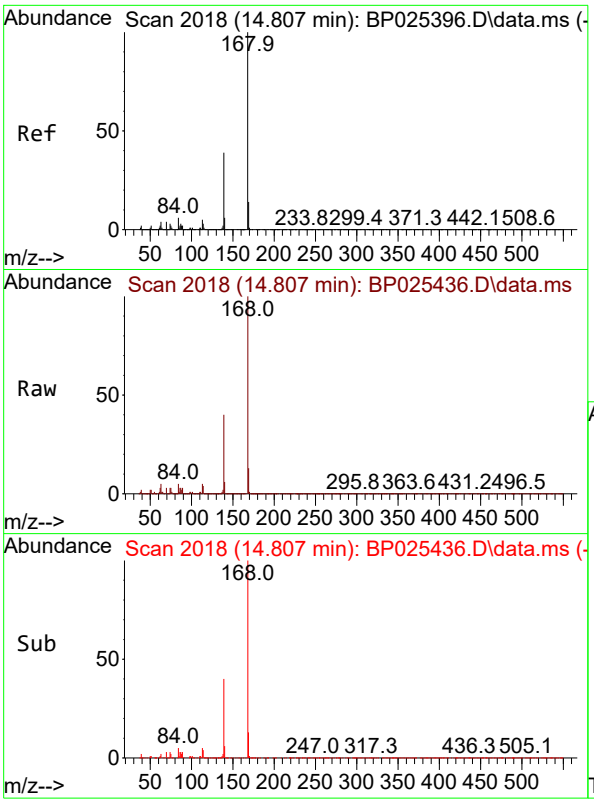


#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:184 Resp: 122865

Ion	Ratio	Lower	Upper
184	100		
63	60.0	49.4	74.2
154	72.5	54.6	82.0

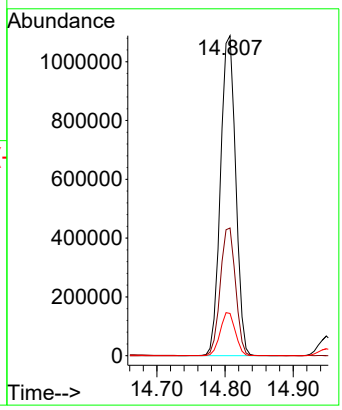




#55
Dibenzofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:168 Resp: 168912

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.5	47.3
169	13.2	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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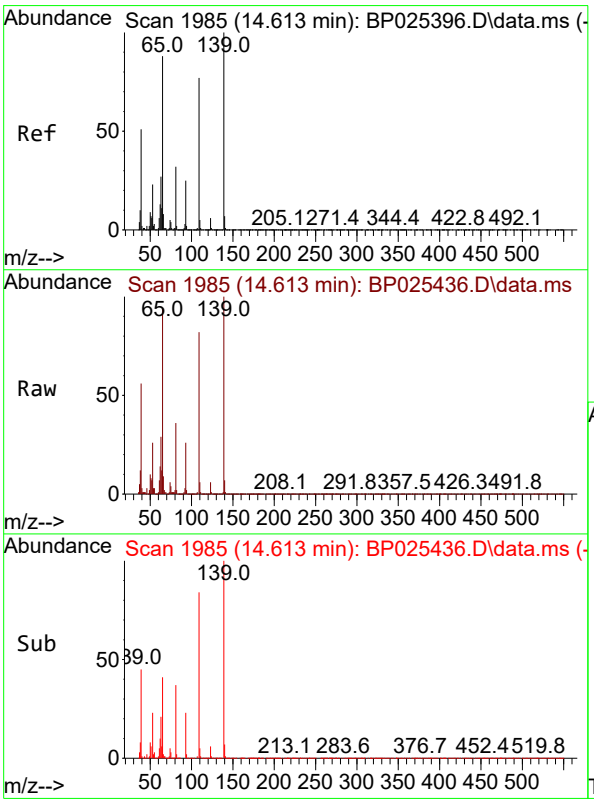
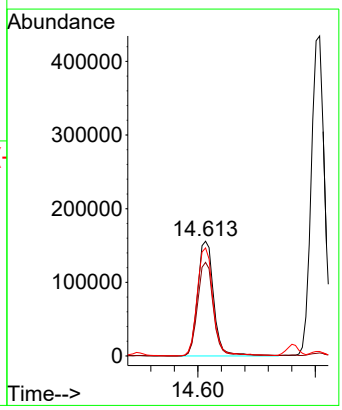
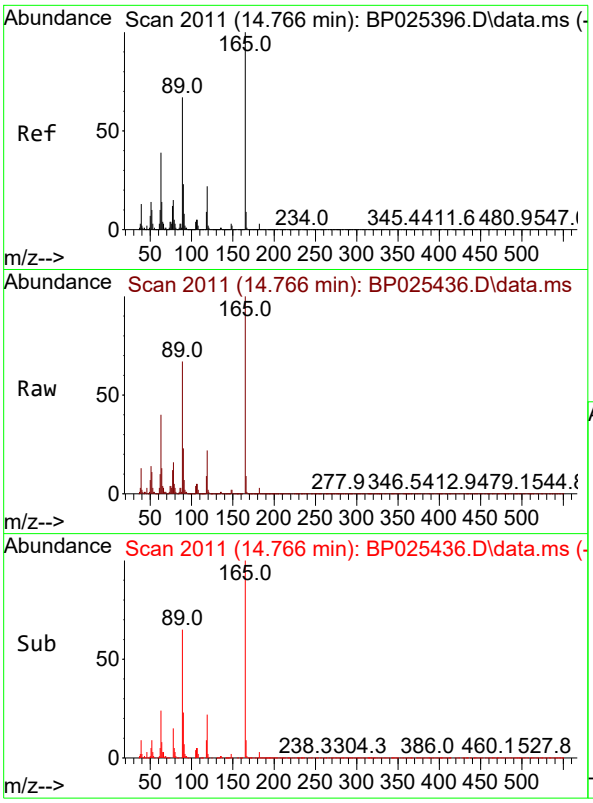


#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 295639

Ion	Ratio	Lower	Upper
139	100		
109	81.5	56.6	96.6
65	94.1	68.2	108.2

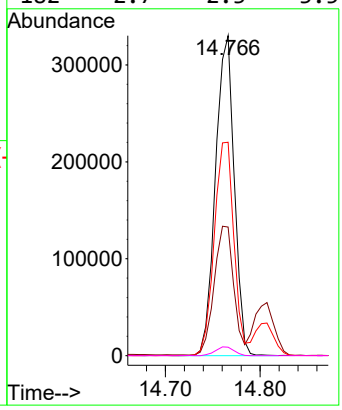




#57
2,4-Dinitrotoluene
Concen: 45.189 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:165 Resp: 45453

Ion	Ratio	Lower	Upper
165	100		
63	40.2	31.4	47.2
89	66.7	53.3	79.9
182	2.7	2.3	3.5



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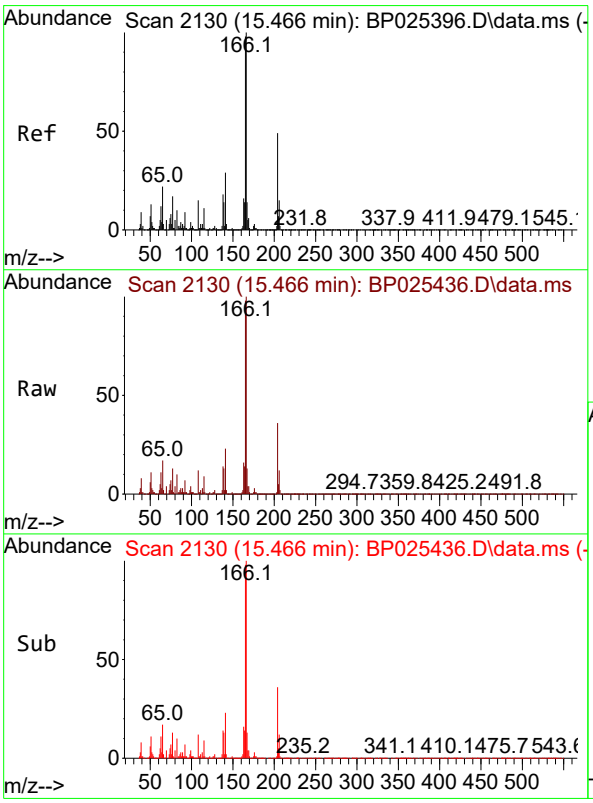
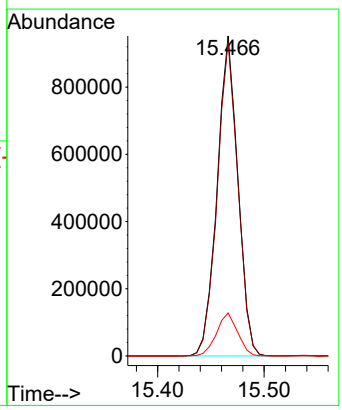
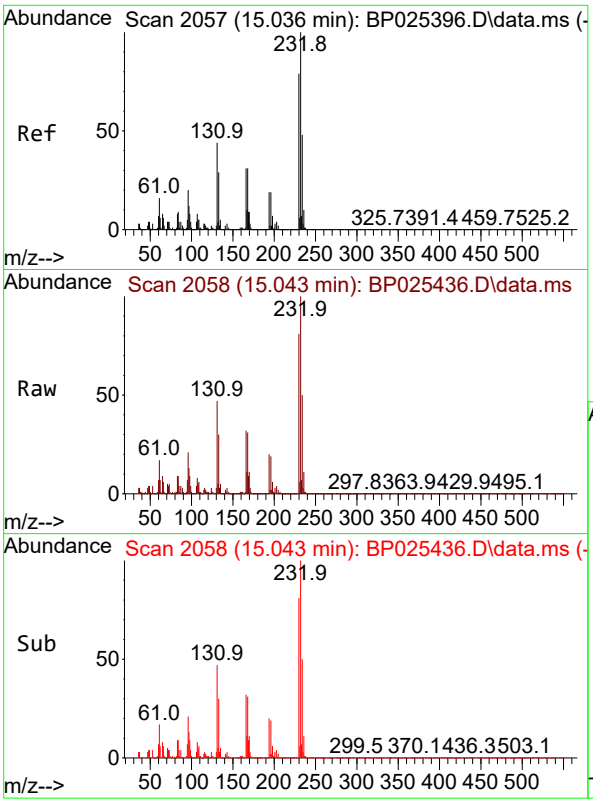


#58
Fluorene
Concen: 41.160 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:166 Resp: 1287972

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.8	118.2
167	13.5	11.0	16.4

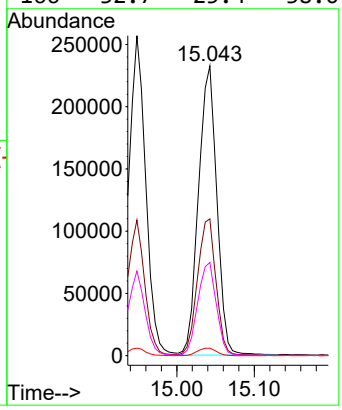




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:232 Resp: 38095

Ion	Ratio	Lower	Upper
232	100		
131	48.7	37.0	55.6
130	2.7	1.9	2.9
166	32.7	25.4	38.0



Instrument :
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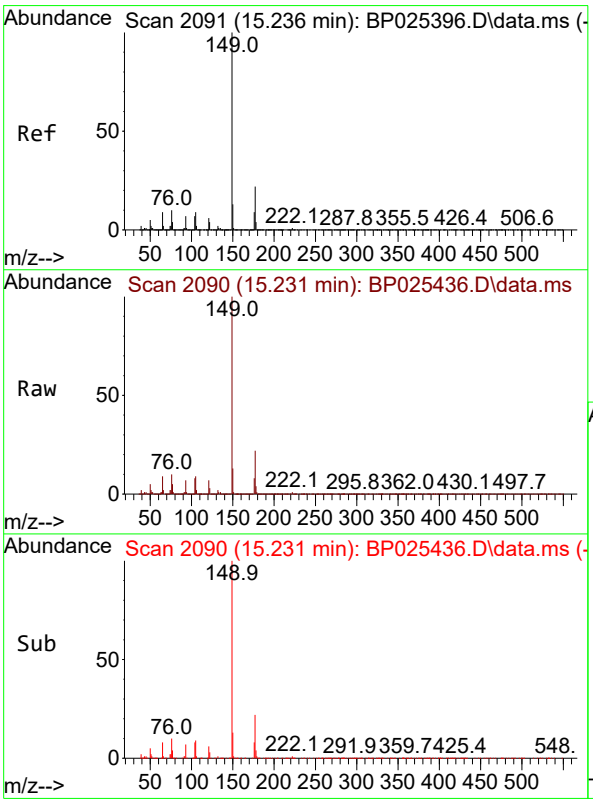
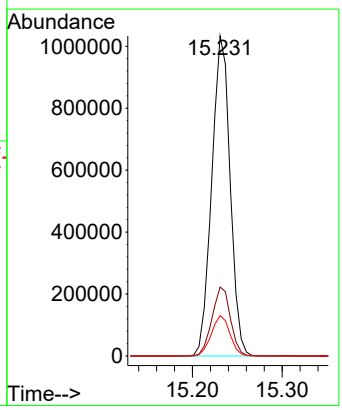
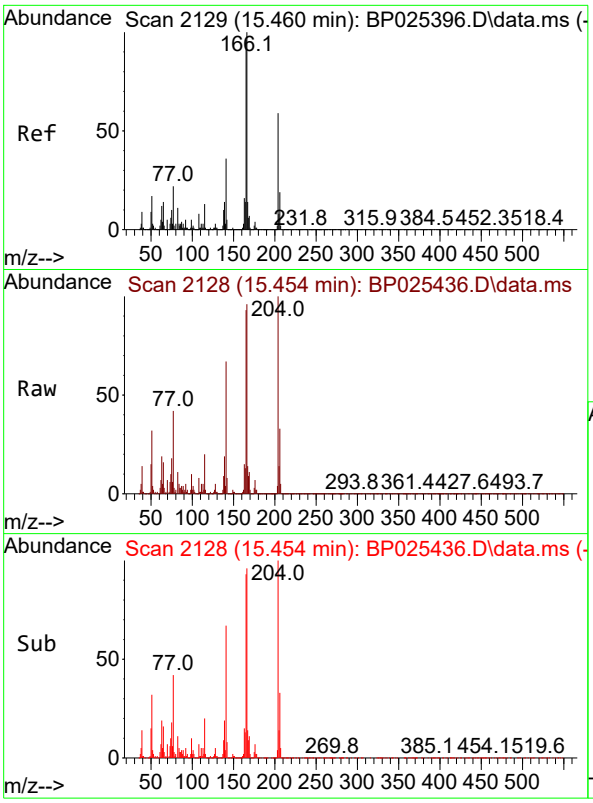


#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1468089

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	12.6	10.3	15.5

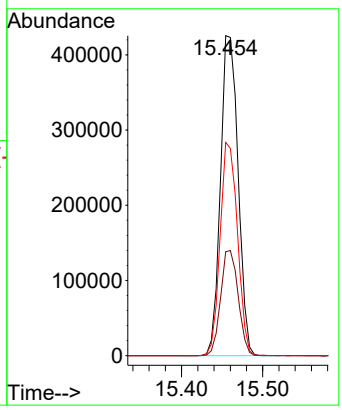




#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:204 Resp: 64180

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.8
141	66.7	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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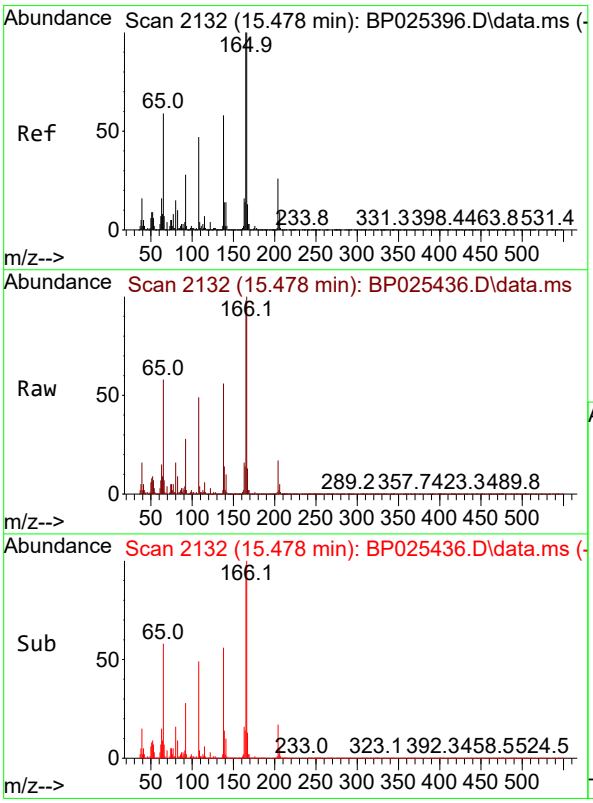
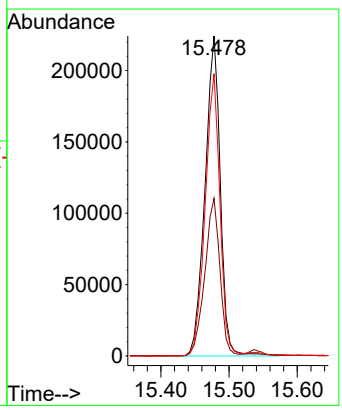
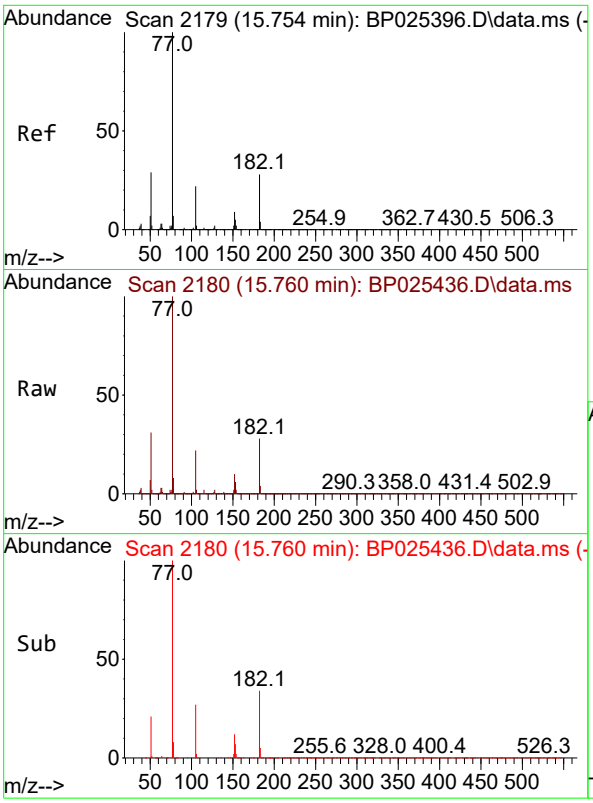


#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:138 Resp: 350711

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.1	69.1
108	88.2	61.5	101.5

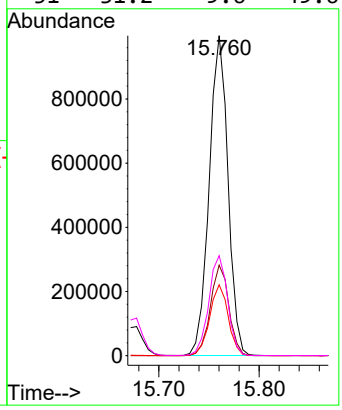




#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 129735

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.1	2.1	42.1
51	31.2	9.6	49.6



Instrument :
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ClientSampleId :
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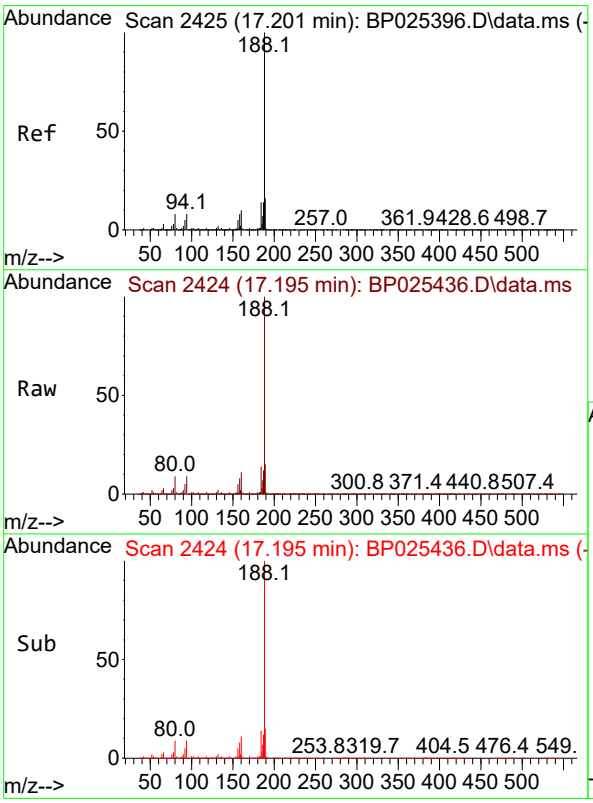
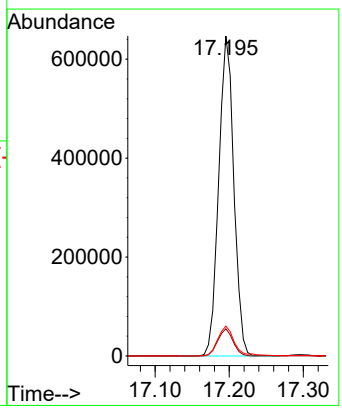
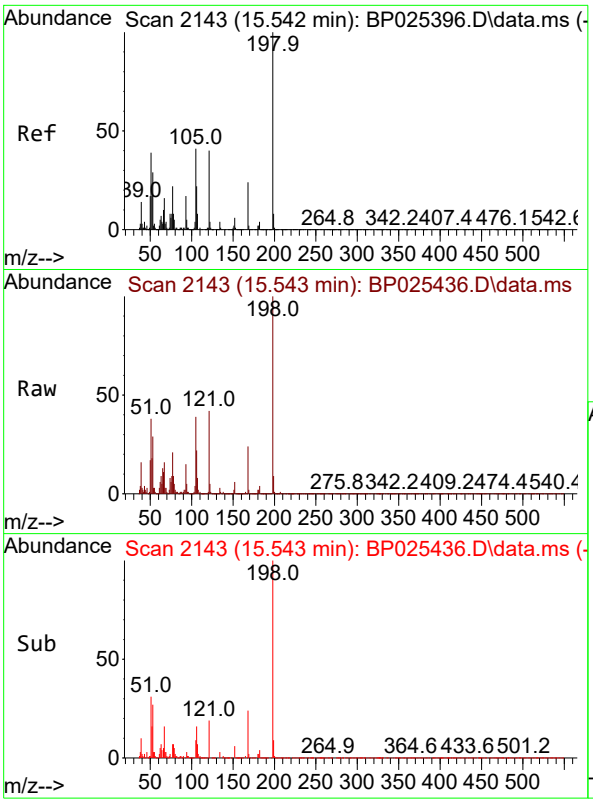


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:188 Resp: 916670

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:198 Resp: 20194

Ion	Ratio	Lower	Upper
198	100		
51	37.8	19.6	59.6
105	38.8	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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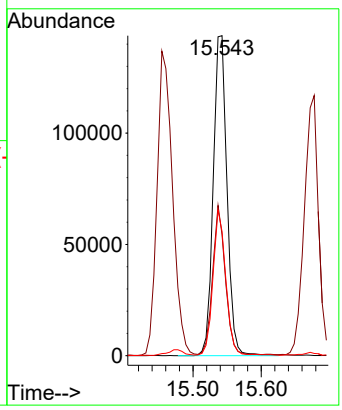
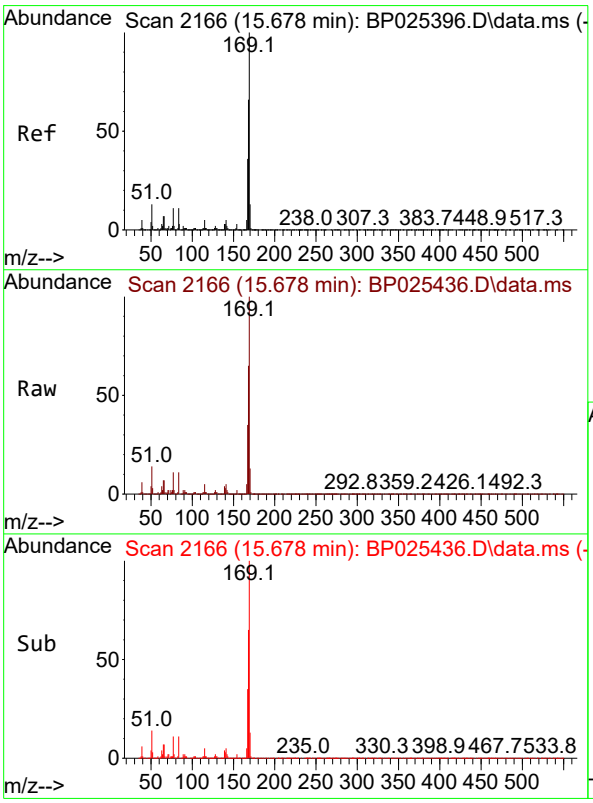
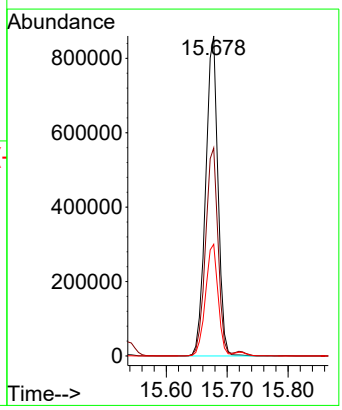


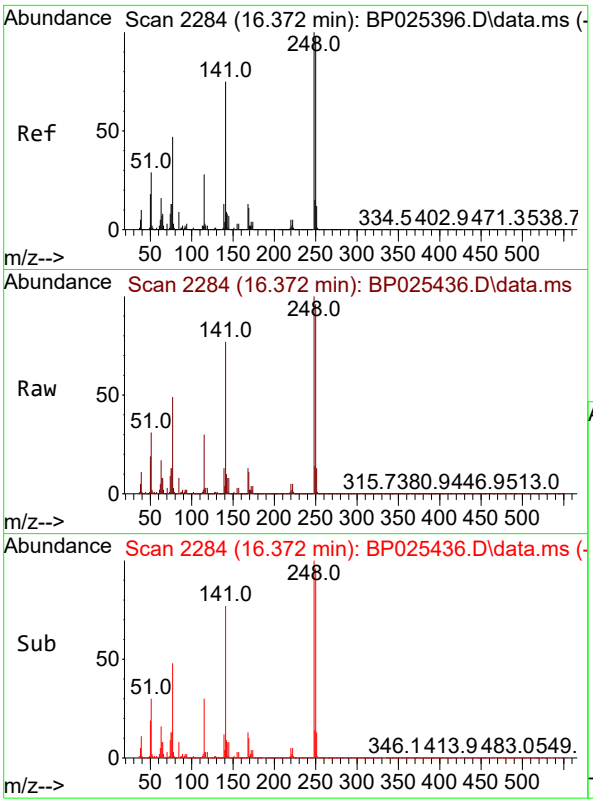


#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:169 Resp: 1208784

Ion	Ratio	Lower	Upper
169	100		
168	65.0	53.2	79.8
167	34.9	28.7	43.1

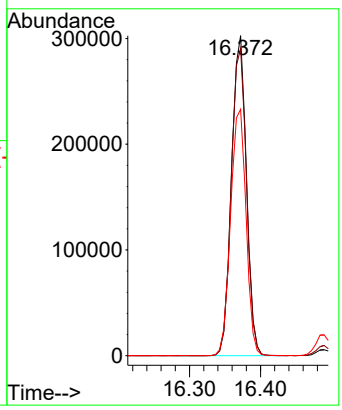




#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:248 Resp: 44286

Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.2	117.2
141	77.0	59.6	89.4



Instrument :
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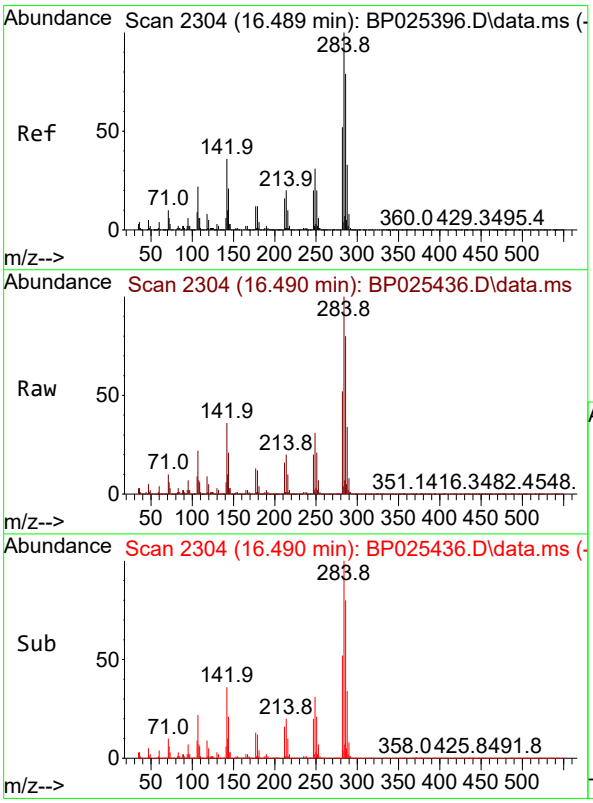
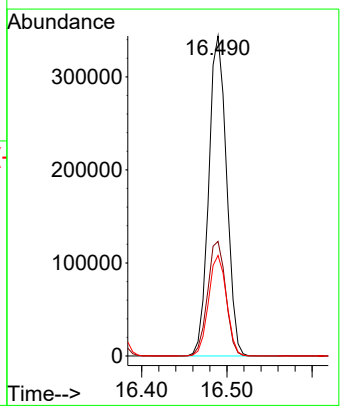
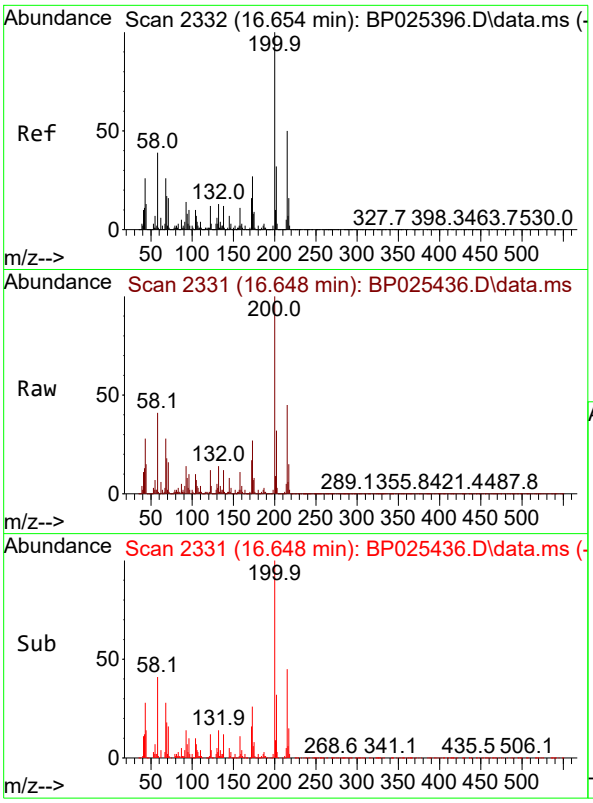


#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:284 Resp: 498920

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.1	43.7
249	31.4	25.0	37.4

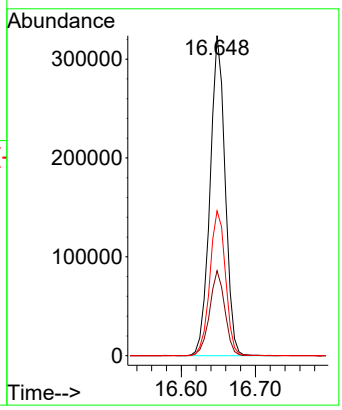




#69
Atrazine
Concen: 43.775 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:200 Resp: 45825

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.7	46.7
215	45.3	29.7	69.7



Instrument :
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ClientSampleId :
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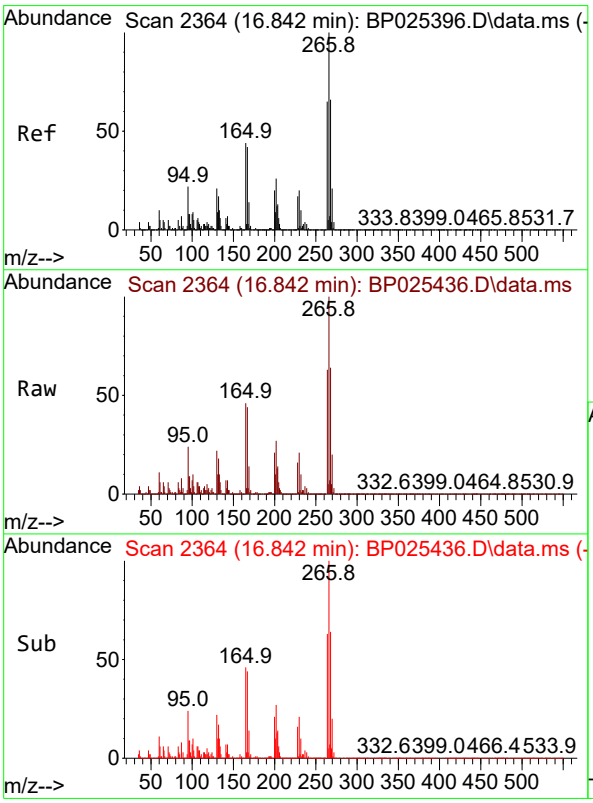
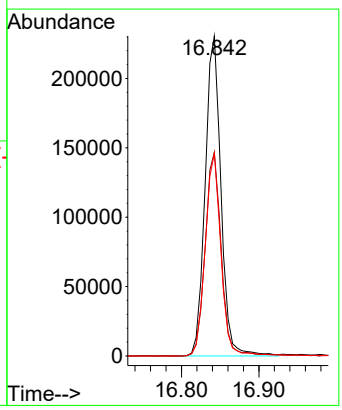
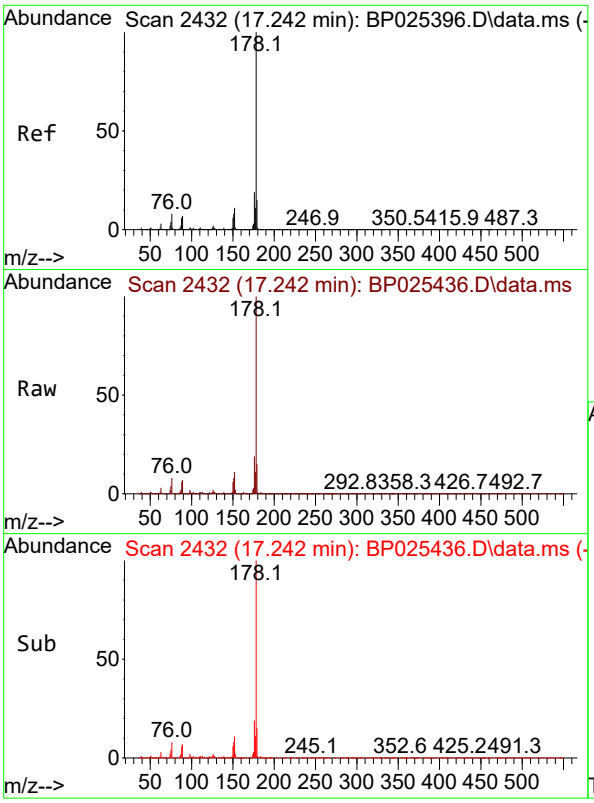


#70
Pentachlorophenol
Concen: 44.342 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:266 Resp: 327120

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.6	79.0
264	63.4	52.0	78.0

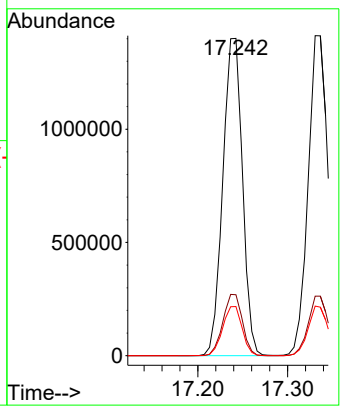




#71
Phenanthrene
Concen: 42.302 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:178 Resp: 213015

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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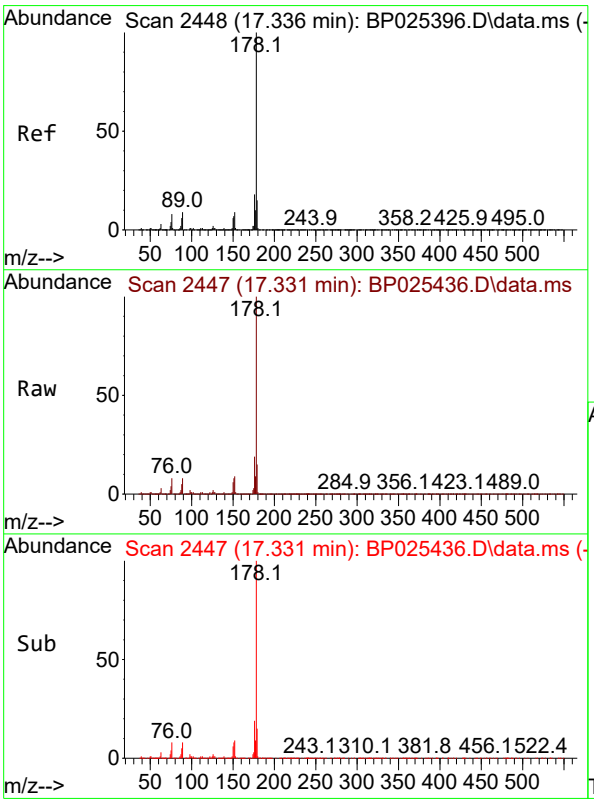
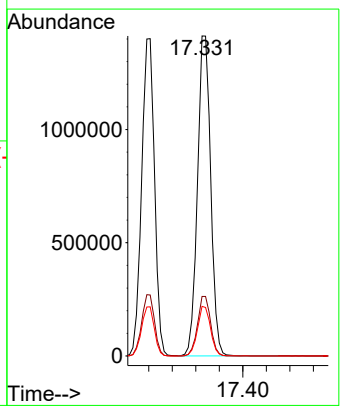
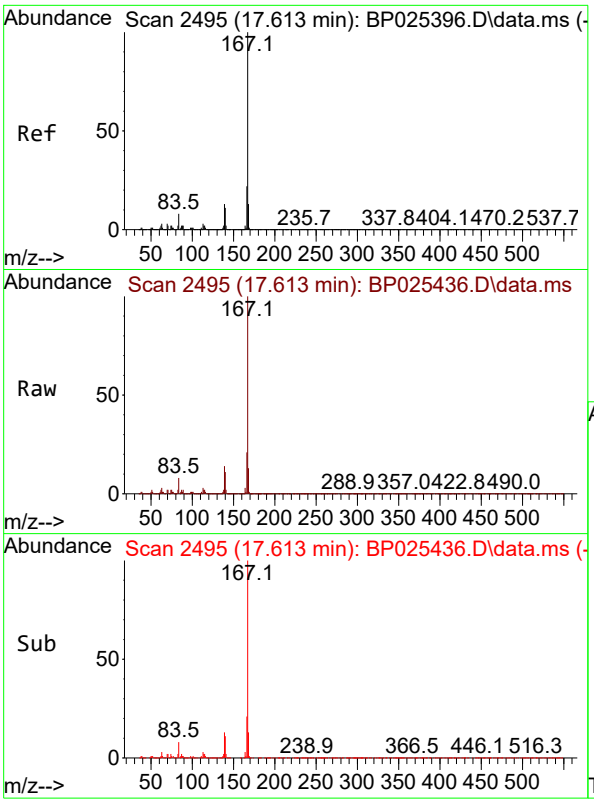


#72
Anthracene
Concen: 42.872 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:178 Resp: 2204625

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.2	18.2

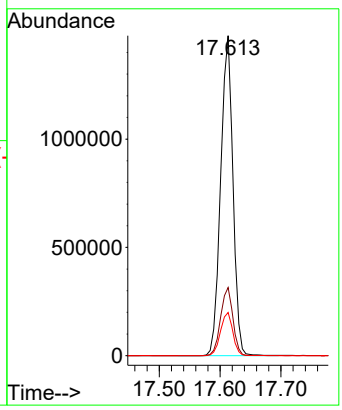




#73
Carbazole
Concen: 42.695 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:167 Resp: 206799

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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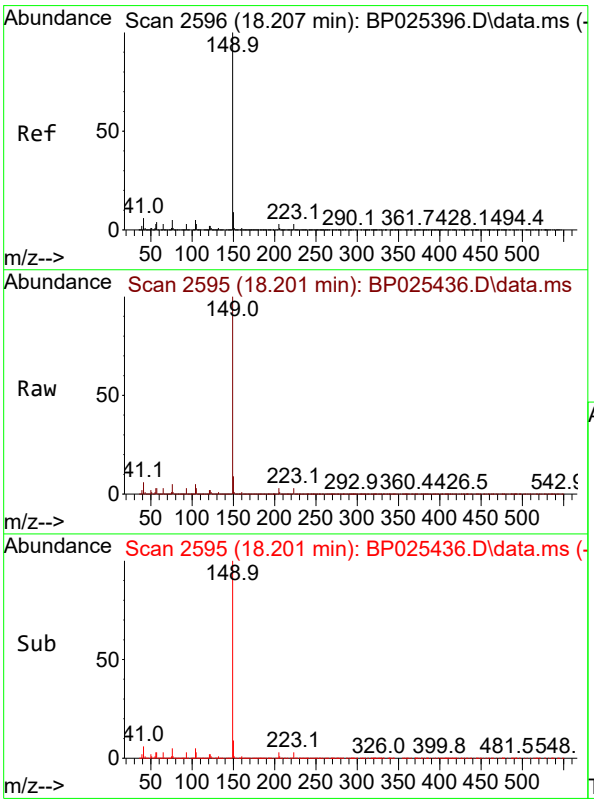
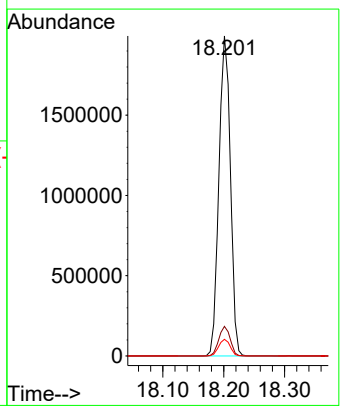
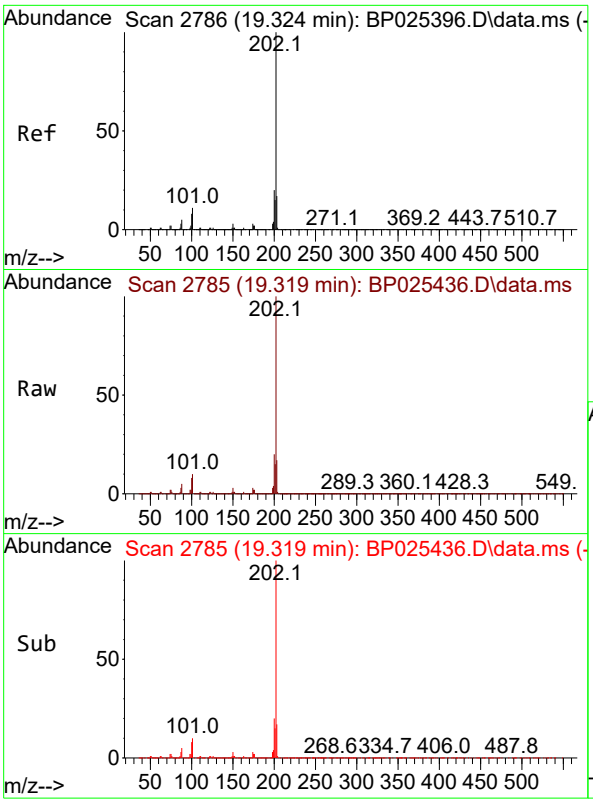


#74
Di-n-butylphthalate
Concen: 43.693 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 2603783

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2





#75
Fluoranthene
Concen: 41.933 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 251875

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.1
203	17.3	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
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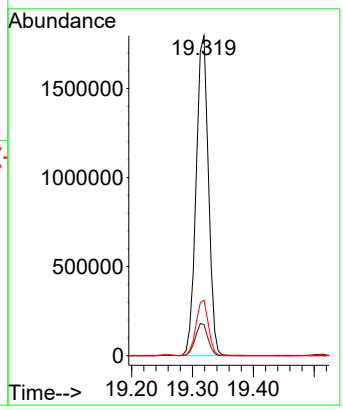
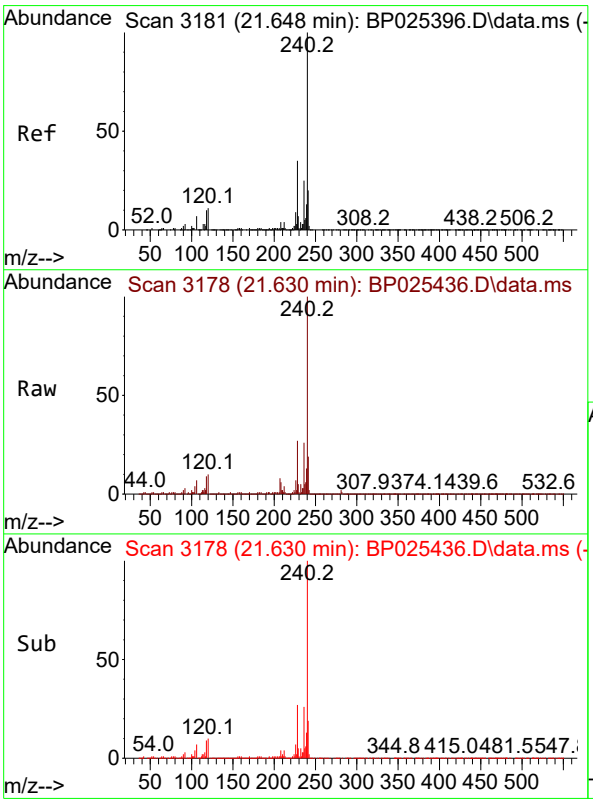
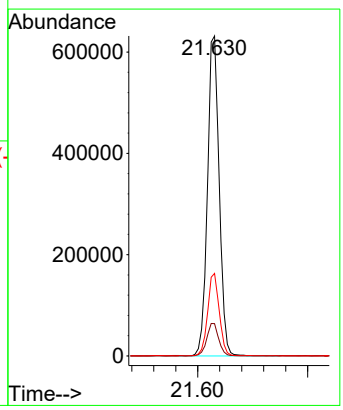


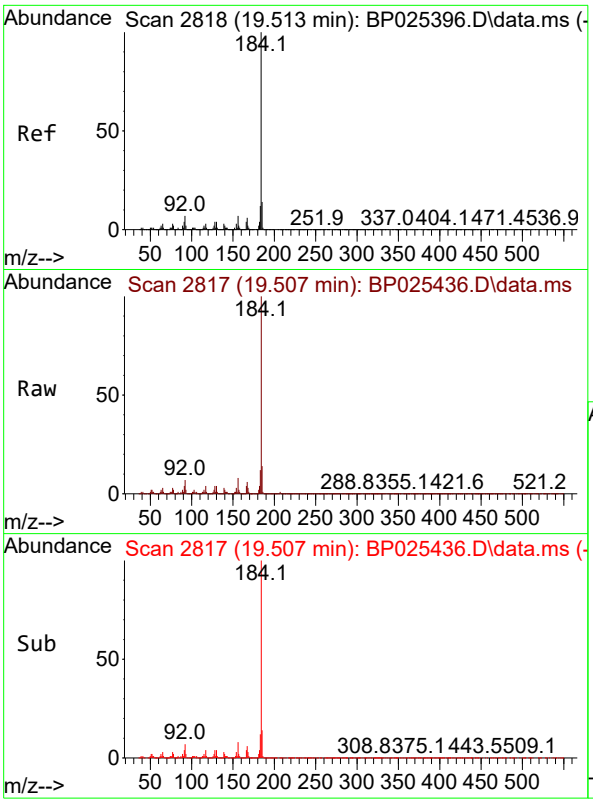


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:240 Resp: 933454

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.8	19.8	29.8

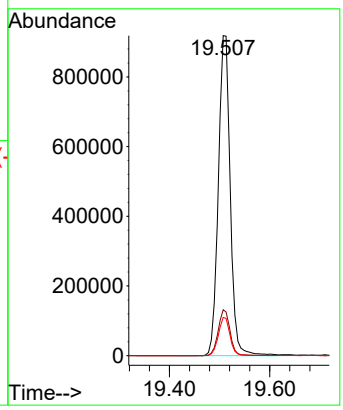




#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:184 Resp: 150840

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.0	9.4	14.2



Instrument :
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ClientSampleId :
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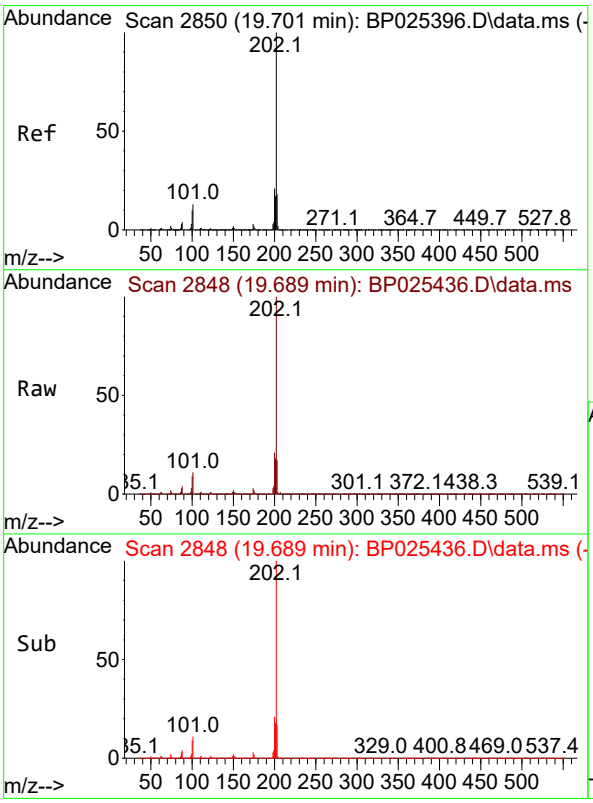
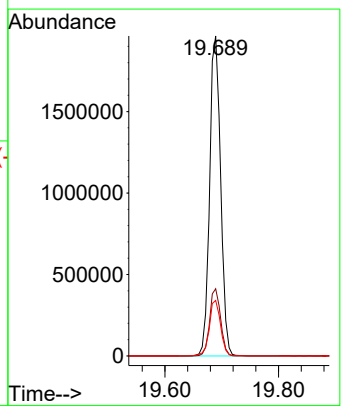
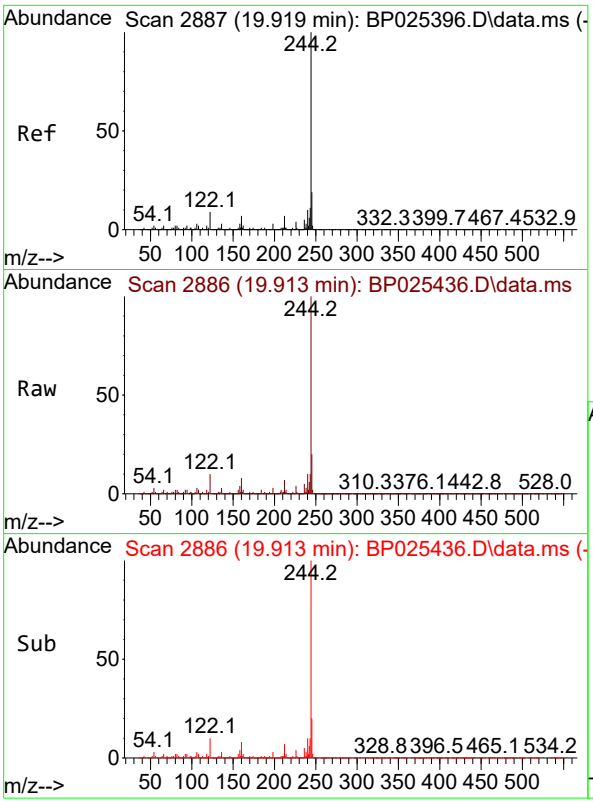


#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2

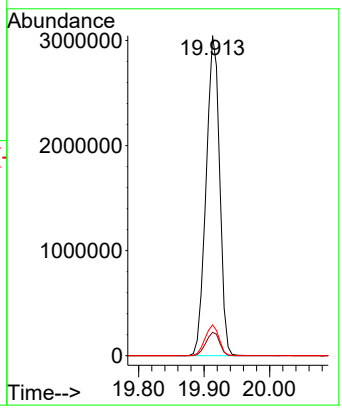




#79
Terphenyl-d14
Concen: 85.603 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:244 Resp: 436751

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.6	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
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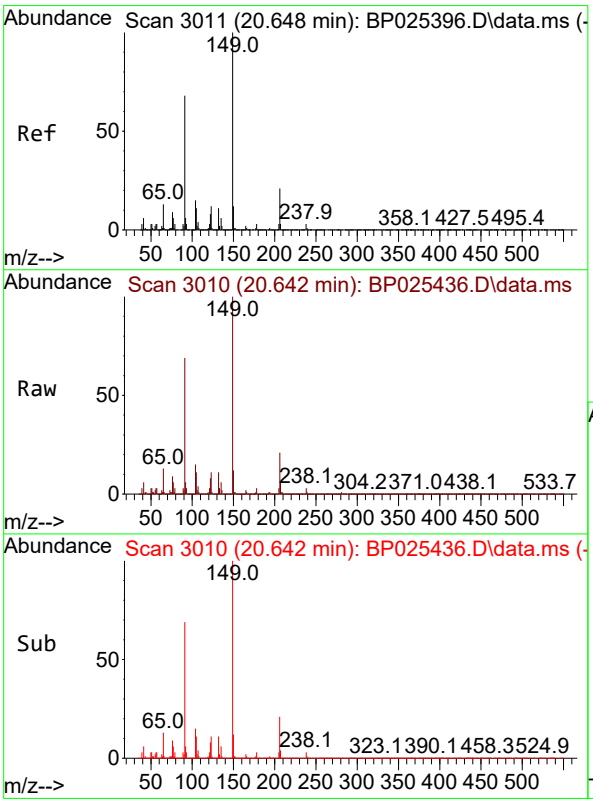
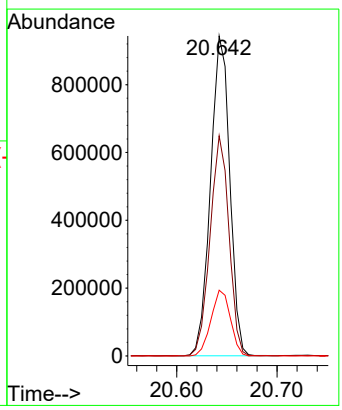
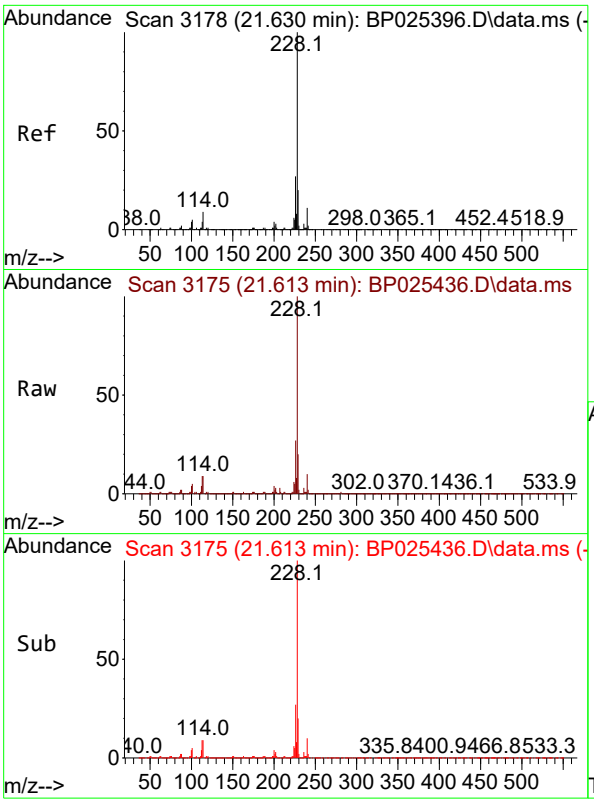


#80
Butylbenzylphthalate
Concen: 45.693 ng
RT: 20.642 min Scan# 3010
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1256440

Ion	Ratio	Lower	Upper
149	100		
91	68.8	54.2	81.2
206	20.6	16.6	24.8

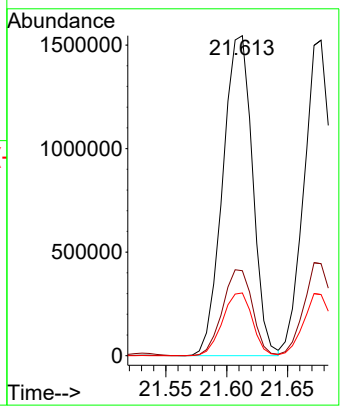




#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:228 Resp: 262651

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.6	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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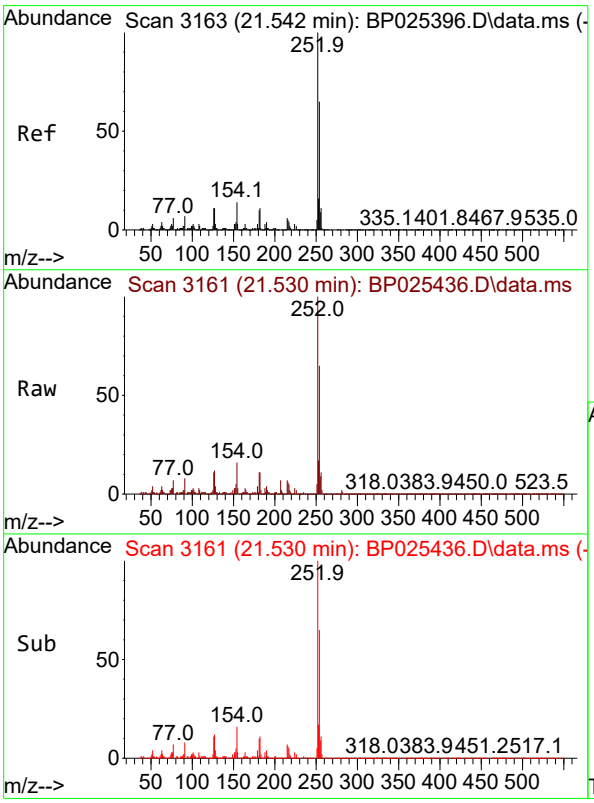
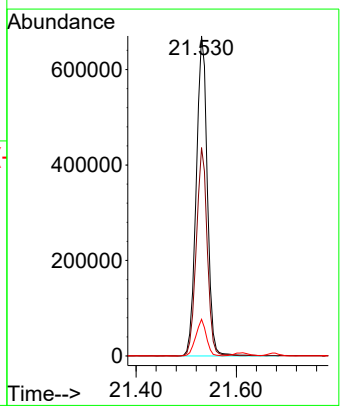
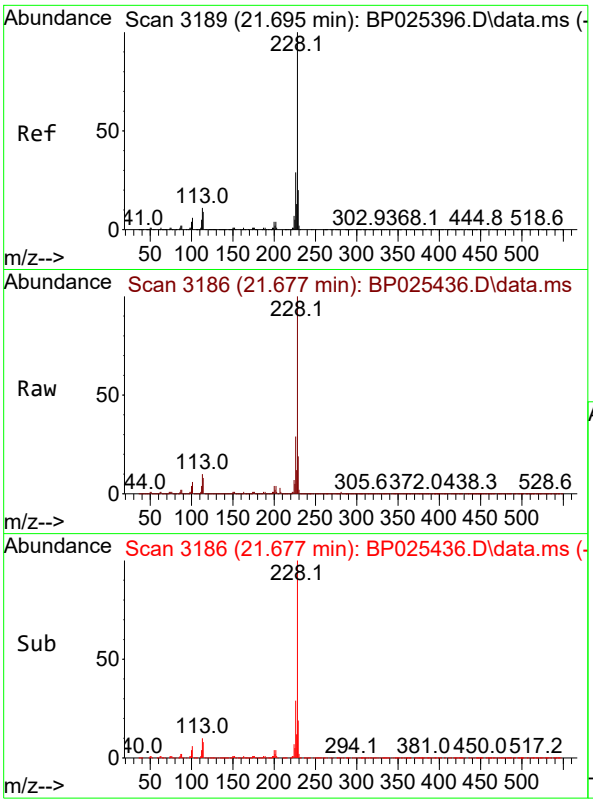


#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 1026166

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.8	77.6
126	11.5	9.1	13.7

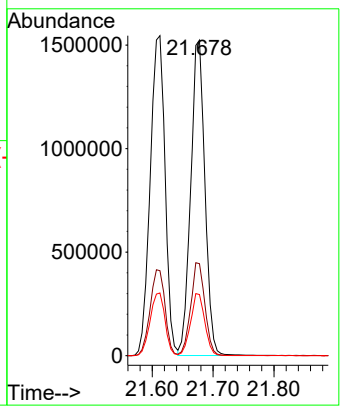




#83
Chrysene
Concen: 42.767 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:228 Resp: 246563

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.2	34.8
229	19.4	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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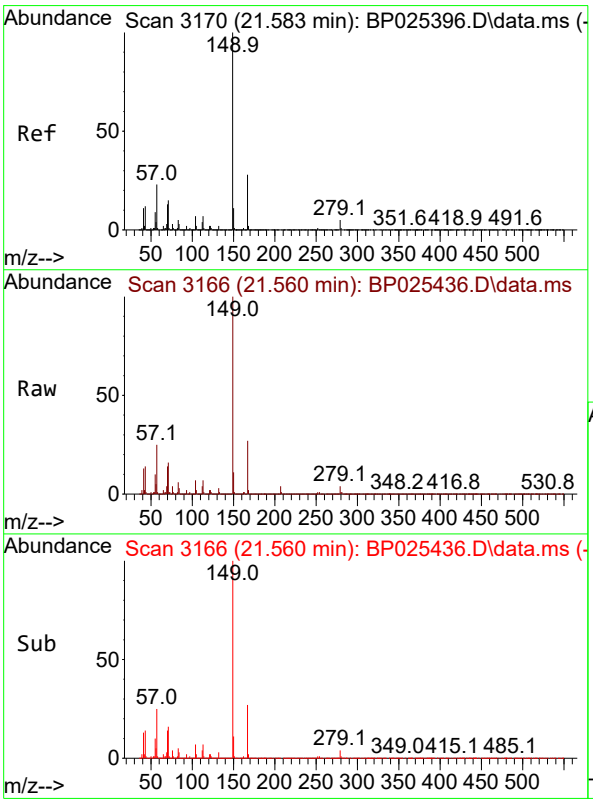
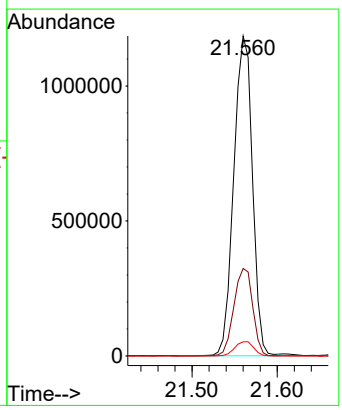
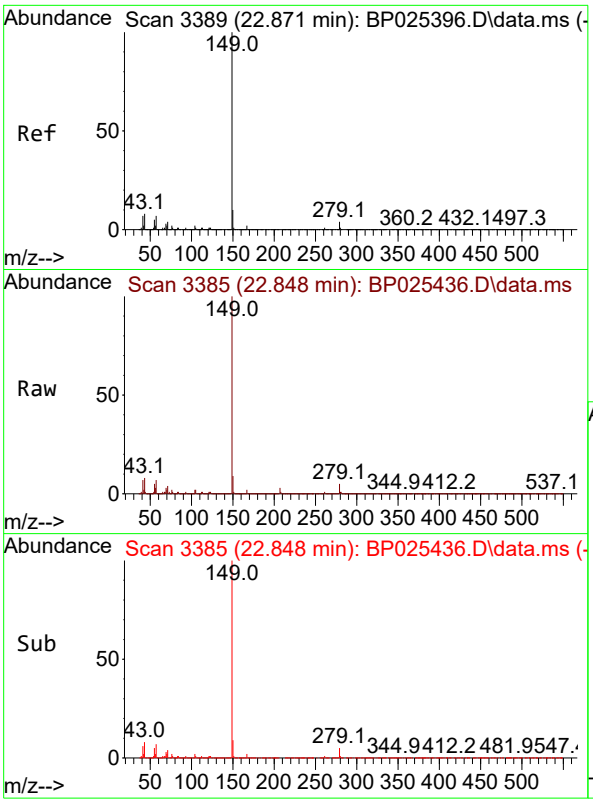


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.485 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1800639

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.4	3.8	5.6

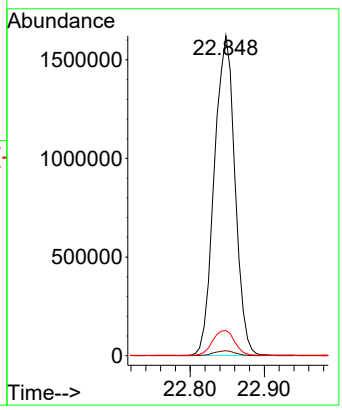




#85
Di-n-octyl phthalate
Concen: 45.079 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 313851

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
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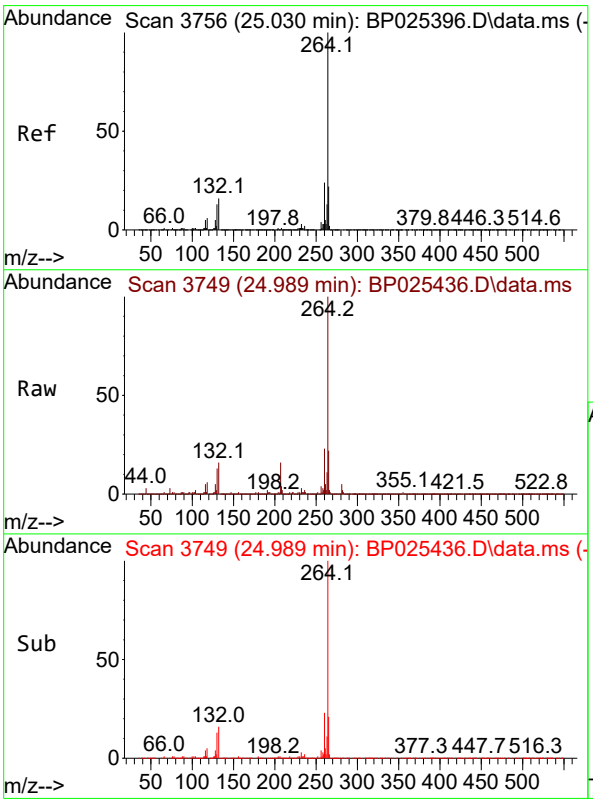
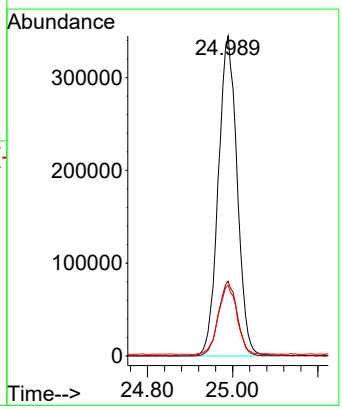
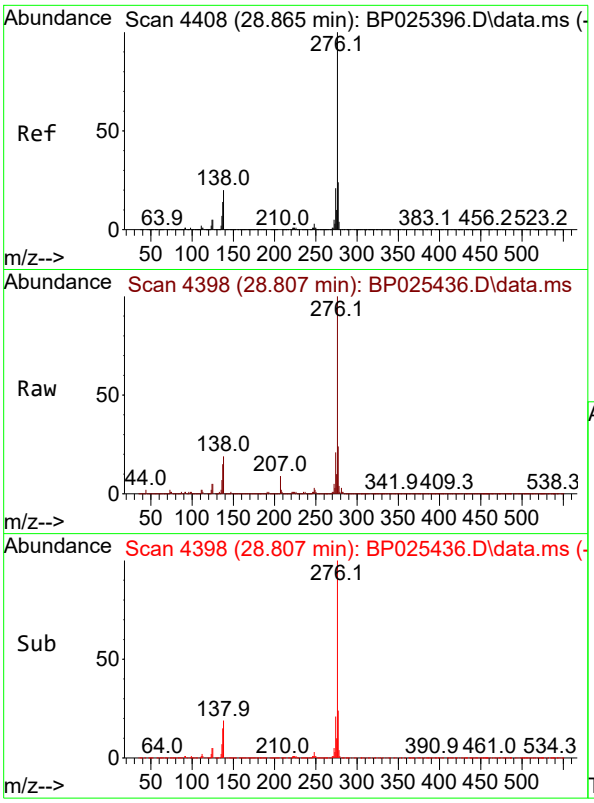


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:264 Resp: 1056853

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.1	17.4	26.0

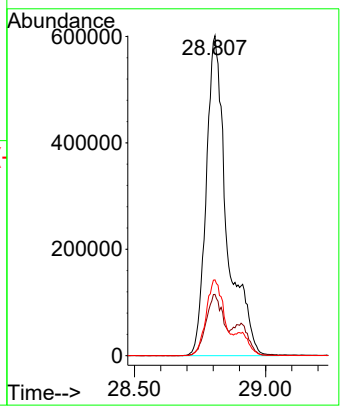




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.530 ng
RT: 28.807 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:276 Resp: 329627

Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.9	19.3
277	20.8	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
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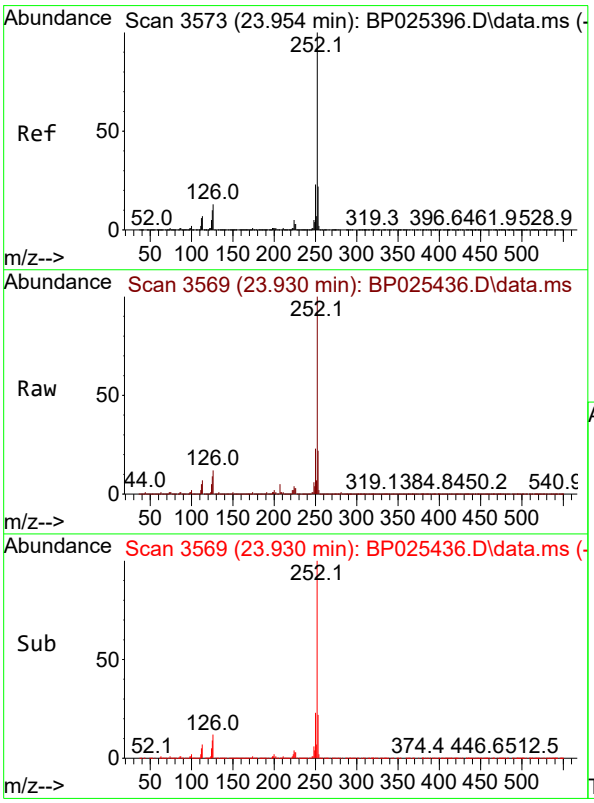
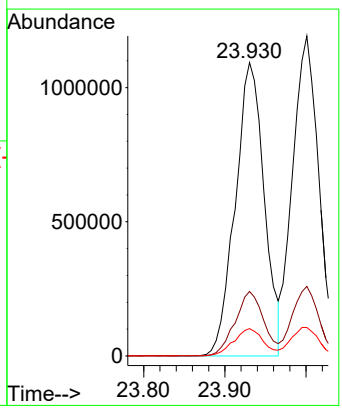
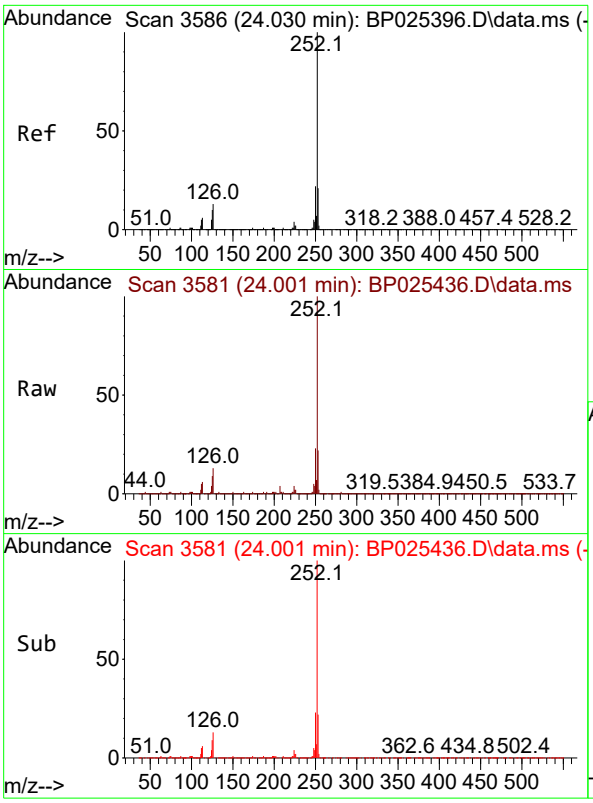


#88
Benzo(b)fluoranthene
Concen: 43.518 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2712012

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.3	7.9	11.9

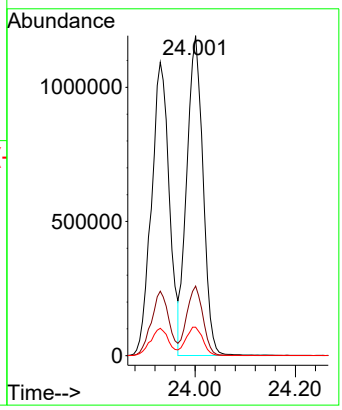




#89
Benzo(k)fluoranthene
Concen: 42.878 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 267396

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	8.9	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
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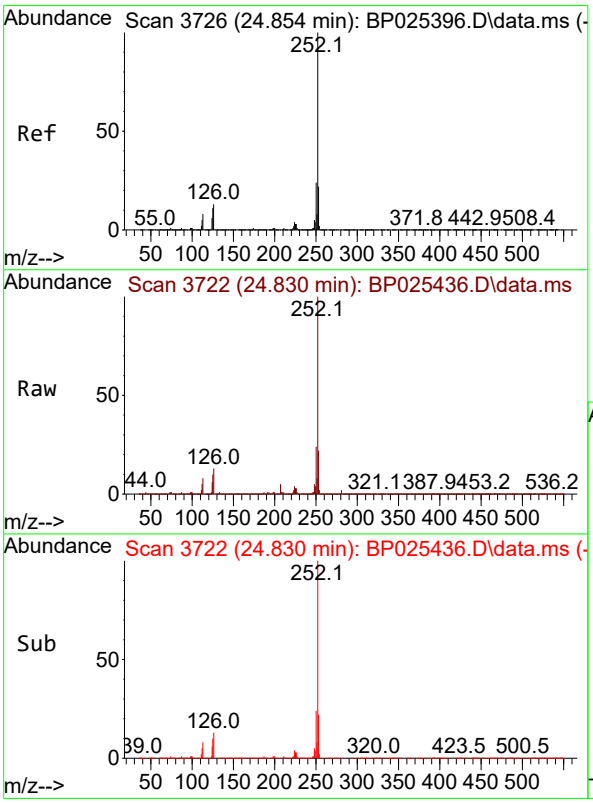
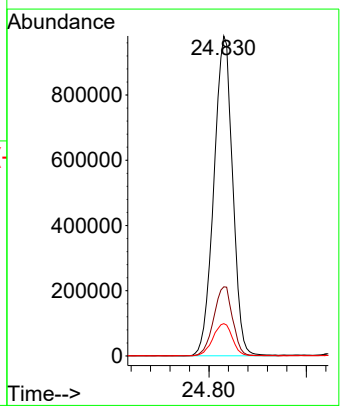
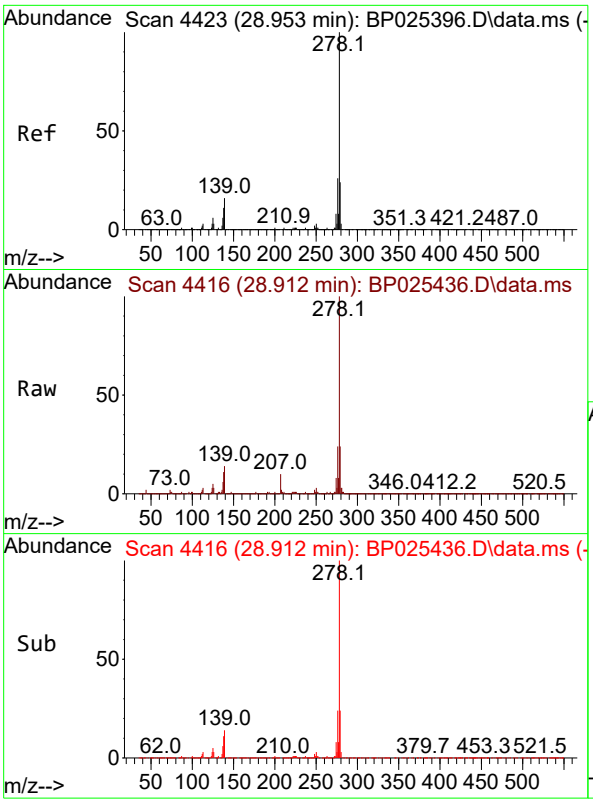


#90
Benzo(a)pyrene
Concen: 43.232 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2622614

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.1	8.7	13.1

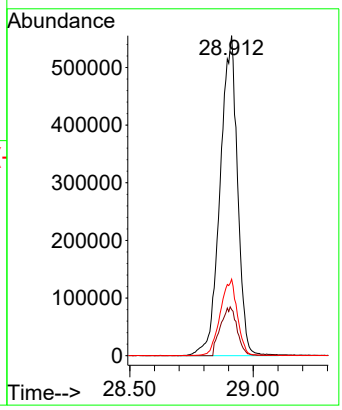




#91
Dibenzo(a,h)anthracene
Concen: 42.888 ng
RT: 28.912 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:278 Resp: 271644

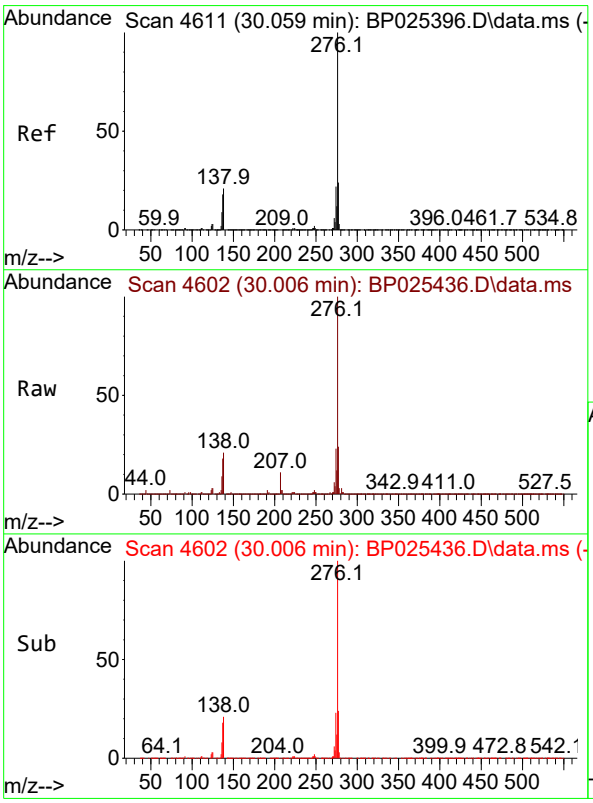
Ion	Ratio	Lower	Upper
278	100		
139	14.4	13.0	19.4
279	23.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

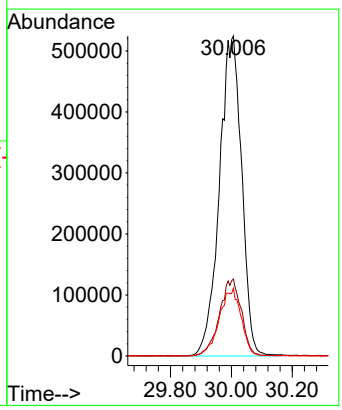
Reviewed By :Rahul Chavli 08/18/2025
Supervised By :Jagrut Upadhyay 08/18/2025



#92
Benzo(g,h,i)perylene
Concen: 42.750 ng
RT: 30.006 min Scan# 4602
Delta R.T. -0.053 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:276 Resp: 2661609

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	21.2	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2		1,4-Dioxane	0.472	0.484	-2.5	114	0.00
3		Pyridine	1.291	1.322	-2.4	114	0.00
4		n-Nitrosodimethylamine	0.532	0.604	-13.5	124	0.00
5	S	2-Fluorophenol	1.204	1.297	-7.7	118	0.00
6		Aniline	2.080	2.280	-9.6	119	0.00
7	S	Phenol-d6	1.544	1.709	-10.7	119	0.00
8		2-Chlorophenol	1.359	1.491	-9.7	120	0.00
9		Benzaldehyde	1.082	1.315	-21.5	101	0.00
10	C	Phenol	1.620	1.777	-9.7	119	0.00
11		bis(2-Chloroethyl)ether	1.263	1.365	-8.1	118	0.00
12		1,3-Dichlorobenzene	1.499	1.634	-9.0	119	0.00
13	C	1,4-Dichlorobenzene	1.532	1.645	-7.4	118	0.00
14		1,2-Dichlorobenzene	1.483	1.596	-7.6	118	0.00
15		Benzyl Alcohol	1.227	1.369	-11.6	121	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.910	-12.9	124	0.00
17		2-Methylphenol	1.125	1.247	-10.8	119	0.00
18		Hexachloroethane	0.563	0.621	-10.3	120	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.110	-8.5	118	0.00
20		3+4-Methylphenols	1.560	1.699	-8.9	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.502	0.537	-7.0	118	0.00
23	S	Nitrobenzene-d5	0.395	0.431	-9.1	121	0.00
24		Nitrobenzene	0.353	0.388	-9.9	121	0.00
25		Isophorone	0.700	0.727	-3.9	116	0.00
26	C	2-Nitrophenol	0.181	0.199	-9.9	118	0.00
27		2,4-Dimethylphenol	0.312	0.339	-8.7	118	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.448	-5.9	118	0.00
29	C	2,4-Dichlorophenol	0.310	0.343	-10.6	120	0.00
30		1,2,4-Trichlorobenzene	0.340	0.363	-6.8	119	0.00
31		Naphthalene	1.040	1.097	-5.5	117	0.00
32		Benzoic acid	0.230	0.244	-6.1	115	0.00
33		4-Chloroaniline	0.459	0.488	-6.3	116	0.00
34	C	Hexachlorobutadiene	0.211	0.230	-9.0	120	0.00
35		Caprolactam	0.114	0.118	-3.5	116	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.379	-6.8	117	0.00
37		2-Methylnaphthalene	0.676	0.710	-5.0	117	-0.01
38		1-Methylnaphthalene	0.719	0.744	-3.5	116	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.633	-9.5	117	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.323	7.4	96	0.00
42	S	2,4,6-Tribromophenol	0.269	0.298	-10.8	117	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.436	-11.8	118	0.00
44		2,4,5-Trichlorophenol	0.427	0.482	-12.9	118	0.00
45	S	2-Fluorobiphenyl	1.463	1.527	-4.4	114	0.00
46		1,1'-Biphenyl	1.453	1.590	-9.4	117	0.00
47		2-Chloronaphthalene	1.131	1.227	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.382	-16.1	120	0.00
49		Acenaphthylene	1.871	2.004	-7.1	115	0.00
50		Dimethylphthalate	1.465	1.593	-8.7	118	-0.01
51		2,6-Dinitrotoluene	0.309	0.349	-12.9	117	0.00
52	C	Acenaphthene	1.098	1.169	-6.5	116	0.00
53		3-Nitroaniline	0.347	0.390	-12.4	118	0.00
54	P	2,4-Dinitrophenol	0.165	0.134	18.8	85	0.00
55		Dibenzofuran	1.736	1.849	-6.5	114	0.00
56	P	4-Nitrophenol	0.285	0.324	-13.7	120	0.00
57		2,4-Dinitrotoluene	0.440	0.498	-13.2	118	0.00
58		Fluorene	1.370	1.410	-2.9	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.417	-10.6	117	0.00
60		Diethylphthalate	1.488	1.607	-8.0	116	0.00
61		4-Chlorophenyl-phenylether	0.681	0.703	-3.2	112	0.00
62		4-Nitroaniline	0.356	0.384	-7.9	113	0.00
63		Azobenzene	1.274	1.420	-11.5	119	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.110	12.0	93	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.659	-8.0	116	0.00
67		4-Bromophenyl-phenylether	0.220	0.242	-10.0	118	0.00
68		Hexachlorobenzene	0.255	0.272	-6.7	116	0.00
69		Atrazine	0.228	0.250	-9.6	119	0.00
70	C	Pentachlorophenol	0.161	0.178	-10.6	117	0.00
71		Phenanthrene	1.099	1.162	-5.7	116	0.00
72		Anthracene	1.122	1.203	-7.2	116	0.00
73		Carbazole	1.057	1.128	-6.7	116	0.00
74		Di-n-butylphthalate	1.300	1.420	-9.2	118	0.00
75	C	Fluoranthene	1.311	1.374	-4.8	116	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
77		Benzidine	0.683	0.808	-18.3	87	0.00
78		Pyrene	1.300	1.403	-7.9	114	-0.01
79	S	Terphenyl-d14	1.093	1.170	-7.0	116	0.00
80		Butylbenzylphthalate	0.589	0.673	-14.3	121	0.00
81		Benzo(a)anthracene	1.319	1.407	-6.7	115	-0.02
82		3,3'-Dichlorobenzidine	0.497	0.550	-10.7	117	-0.01
83		Chrysene	1.235	1.321	-7.0	116	-0.02
84		Bis(2-ethylhexyl)phthalate	0.867	0.965	-11.3	121	-0.02
85	c	Di-n-octyl phthalate	1.492	1.681	-12.7	121	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	103	-0.04
87		Indeno(1,2,3-cd)pyrene	1.467	1.559	-6.3	114	-0.06
88		Benzo(b)fluoranthene	1.179	1.283	-8.8	117	-0.02
89		Benzo(k)fluoranthene	1.180	1.265	-7.2	116	-0.03
90	C	Benzo(a)pyrene	1.148	1.241	-8.1	116	-0.02
91		Dibenzo(a,h)anthracene	1.199	1.285	-7.2	115	-0.04
92		Benzo(g,h,i)perylene	1.178	1.259	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2		1,4-Dioxane	40.000	41.000	-2.5	114	0.00
3		Pyridine	40.000	40.960	-2.4	114	0.00
4		n-Nitrosodimethylamine	40.000	45.373	-13.4	124	0.00
5	S	2-Fluorophenol	80.000	86.186	-7.7	118	0.00
6		Aniline	40.000	43.843	-9.6	119	0.00
7	S	Phenol-d6	80.000	88.568	-10.7	119	0.00
8		2-Chlorophenol	40.000	43.878	-9.7	120	0.00
9		Benzaldehyde	40.000	48.635	-21.6	101	0.00
10	C	Phenol	40.000	43.862	-9.7	119	0.00
11		bis(2-Chloroethyl)ether	40.000	43.239	-8.1	118	0.00
12		1,3-Dichlorobenzene	40.000	43.622	-9.1	119	0.00
13	C	1,4-Dichlorobenzene	40.000	42.950	-7.4	118	0.00
14		1,2-Dichlorobenzene	40.000	43.069	-7.7	118	0.00
15		Benzyl Alcohol	40.000	44.621	-11.6	121	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	45.158	-12.9	124	0.00
17		2-Methylphenol	40.000	44.345	-10.9	119	0.00
18		Hexachloroethane	40.000	44.074	-10.2	120	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.396	-8.5	118	0.00
20		3+4-Methylphenols	40.000	43.573	-8.9	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	42.809	-7.0	118	0.00
23	S	Nitrobenzene-d5	80.000	87.195	-9.0	121	0.00
24		Nitrobenzene	40.000	43.917	-9.8	121	0.00
25		Isophorone	40.000	41.573	-3.9	116	0.00
26	C	2-Nitrophenol	40.000	43.982	-10.0	118	0.00
27		2,4-Dimethylphenol	40.000	43.443	-8.6	118	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.398	-6.0	118	0.00
29	C	2,4-Dichlorophenol	40.000	44.245	-10.6	120	0.00
30		1,2,4-Trichlorobenzene	40.000	42.762	-6.9	119	0.00
31		Naphthalene	40.000	42.217	-5.5	117	0.00
32		Benzoic acid	40.000	42.339	-5.8	115	0.00
33		4-Chloroaniline	40.000	42.532	-6.3	116	0.00
34	C	Hexachlorobutadiene	40.000	43.456	-8.6	120	0.00
35		Caprolactam	40.000	41.554	-3.9	116	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.698	-6.7	117	0.00
37		2-Methylnaphthalene	40.000	41.968	-4.9	117	-0.01
38		1-Methylnaphthalene	40.000	41.373	-3.4	116	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.807	-9.5	117	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.087	7.3	96	0.00
42	S	2,4,6-Tribromophenol	80.000	88.488	-10.6	117	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.759	-11.9	118	0.00
44		2,4,5-Trichlorophenol	40.000	45.101	-12.8	118	0.00
45	S	2-Fluorobiphenyl	80.000	83.499	-4.4	114	0.00
46		1,1'-Biphenyl	40.000	43.790	-9.5	117	0.00
47		2-Chloronaphthalene	40.000	43.406	-8.5	115	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.337	-15.8	120	0.00
49		Acenaphthylene	40.000	42.840	-7.1	115	0.00
50		Dimethylphthalate	40.000	43.502	-8.8	118	-0.01
51		2,6-Dinitrotoluene	40.000	45.175	-12.9	117	0.00
52	C	Acenaphthene	40.000	42.589	-6.5	116	0.00
53		3-Nitroaniline	40.000	44.932	-12.3	118	0.00
54	P	2,4-Dinitrophenol	40.000	32.634	18.4	85	0.00
55		Dibenzofuran	40.000	42.593	-6.5	114	0.00
56	P	4-Nitrophenol	40.000	45.358	-13.4	120	0.00
57		2,4-Dinitrotoluene	40.000	45.189	-13.0	118	0.00
58		Fluorene	40.000	41.160	-2.9	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.201	-10.5	117	0.00
60		Diethylphthalate	40.000	43.195	-8.0	116	0.00
61		4-Chlorophenyl-phenylether	40.000	41.240	-3.1	112	0.00
62		4-Nitroaniline	40.000	43.130	-7.8	113	0.00
63		Azobenzene	40.000	44.580	-11.4	119	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.341	11.6	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.243	-8.1	116	0.00
67		4-Bromophenyl-phenylether	40.000	43.928	-9.8	118	0.00
68		Hexachlorobenzene	40.000	42.691	-6.7	116	0.00
69		Atrazine	40.000	43.775	-9.4	119	0.00
70	C	Pentachlorophenol	40.000	44.342	-10.9	117	0.00
71		Phenanthrene	40.000	42.302	-5.8	116	0.00
72		Anthracene	40.000	42.872	-7.2	116	0.00
73		Carbazole	40.000	42.695	-6.7	116	0.00
74		Di-n-butylphthalate	40.000	43.693	-9.2	118	0.00
75	C	Fluoranthene	40.000	41.933	-4.8	116	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	-0.02
77		Benzidine	40.000	47.349	-18.4	87	0.00
78		Pyrene	40.000	43.183	-8.0	114	-0.01
79	S	Terphenyl-d14	80.000	85.603	-7.0	116	0.00
80		Butylbenzylphthalate	40.000	45.693	-14.2	121	0.00
81		Benzo(a)anthracene	40.000	42.665	-6.7	115	-0.02
82		3,3'-Dichlorobenzidine	40.000	44.224	-10.6	117	-0.01
83		Chrysene	40.000	42.767	-6.9	116	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	44.485	-11.2	121	-0.02
85	c	Di-n-octyl phthalate	40.000	45.079	-12.7	121	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	103	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	42.530	-6.3	114	-0.06
88		Benzo(b)fluoranthene	40.000	43.518	-8.8	117	-0.02
89		Benzo(k)fluoranthene	40.000	42.878	-7.2	116	-0.03
90	C	Benzo(a)pyrene	40.000	43.232	-8.1	116	-0.02
91		Dibenzo(a,h)anthracene	40.000	42.888	-7.2	115	-0.04
92		Benzo(g,h,i)perylene	40.000	42.750	-6.9	114	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 10:44

Lab File ID: BP025470.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.229		2.1	
Benzaldehyde	1.082	1.245		15.1	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.652		2.0	20.0
bis(2-Chloroethyl)ether	1.263	1.272		0.7	
2-Chlorophenol	1.359	1.372		1.0	
2-Methylphenol	1.125	1.138		1.2	
2,2-oxybis(1-Chloropropane)	1.692	1.725		2.0	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.560	1.563		0.2	
n-Nitroso-di-n-propylamine	1.023	1.012	0.050	-1.1	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.713		1.9	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.320		2.6	
bis(2-Chloroethoxy)methane	0.423	0.424		0.2	
2,4-Dichlorophenol	0.310	0.314		1.3	20.0
Naphthalene	1.040	1.035		-0.5	
4-Chloroaniline	0.459	0.464		1.1	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.118		3.5	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.673		-0.4	
Hexachlorocyclopentadiene	0.349	0.454	0.050	30.1	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.448		-1.0	
2,4,5-Trichlorophenol	0.427	0.434		1.6	
1,1-Biphenyl	1.453	1.453		0.0	
2-Chloronaphthalene	1.131	1.118		-1.1	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.480		1.0	
Acenaphthylene	1.871	1.886		0.8	
2,6-Dinitrotoluene	0.309	0.320		3.6	
3-Nitroaniline	0.347	0.361		4.0	
Acenaphthene	1.098	1.094		-0.4	20.0
2,4-Dinitrophenol	0.165	0.576	0.050	249.1	
4-Nitrophenol	0.285	0.292	0.050	2.5	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 10:44

Lab File ID: BP025470.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.727		-0.5	
2,4-Dinitrotoluene	0.440	0.468		6.4	
Diethylphthalate	1.488	1.487		-0.1	
4-Chlorophenyl-phenylether	0.681	0.674		-1.0	
Fluorene	1.370	1.359		-0.8	
4-Nitroaniline	0.356	0.372		4.5	
4,6-Dinitro-2-methylphenol	0.125	0.255		104.0	
n-Nitrosodiphenylamine	0.610	0.608		-0.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.257		0.8	
Atrazine	0.228	0.230		0.9	
Pentachlorophenol	0.161	0.159		-1.2	20.0
Phenanthrene	1.099	1.095		-0.4	
Anthracene	1.122	1.122		0.0	
Carbazole	1.057	1.050		-0.7	
Di-n-butylphthalate	1.300	1.345		3.5	
Fluoranthene	1.311	1.291		-1.5	20.0
Pyrene	1.300	1.342		3.2	
Terphenyl-d14	1.093	1.093		0.0	
Butylbenzylphthalate	0.589	0.616		4.6	
3,3-Dichlorobenzidine	0.497	0.500		0.6	
Benzo(a)anthracene	1.319	1.307		-0.9	
Chrysene	1.235	1.256		1.7	
Bis(2-ethylhexyl)phthalate	0.867	0.907		4.6	
Di-n-octyl phthalate	1.492	1.558		4.4	20.0
Benzo(b)fluoranthene	1.179	1.193		1.2	
Benzo(k)fluoranthene	1.180	1.153		-2.3	
Benzo(a)pyrene	1.148	1.136		-1.0	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.450		-1.2	
Dibenzo(a,h)anthracene	1.199	1.189		-0.8	
Benzo(g,h,i)perylene	1.178	1.151		-2.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.569		-1.6	
1,4-Dioxane	0.472	0.475		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.376		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	152340	20.000	ng	-0.01
21) Naphthalene-d8	10.560	136	634765	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	424501	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	850052	20.000	ng	# 0.00
76) Chrysene-d12	21.654	240	848020	20.000	ng	0.00
86) Perylene-d12	25.018	264	967213	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	749096	81.661	ng	0.00
7) Phenol-d6	6.966	99	966571	82.185	ng	0.00
23) Nitrobenzene-d5	8.931	82	1024289	81.627	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	464282	81.256	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2459410	79.181	ng	0.00
79) Terphenyl-d14	19.919	244	3707367	79.985	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	144857	40.315	ng	99
3) Pyridine	3.731	79	395262	40.190	ng	99
4) n-Nitrosodimethylamine	3.631	42	173283	42.738	ng	98
6) Aniline	7.119	93	635215	40.087	ng	99
8) 2-Chlorophenol	7.360	128	418000	40.380	ng	99
9) Benzaldehyde	6.937	77	379395	46.044	ng	98
10) Phenol	6.996	94	503304	40.784	ng	99
11) bis(2-Chloroethyl)ether	7.213	93	387587	40.295	ng	100
12) 1,3-Dichlorobenzene	7.684	146	457432	40.075	ng	99
13) 1,4-Dichlorobenzene	7.819	146	470304	40.312	ng	100
14) 1,2-Dichlorobenzene	8.137	146	450046	39.850	ng	99
15) Benzyl Alcohol	8.019	79	373613	39.981	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	525543	40.786	ng	99
17) 2-Methylphenol	8.225	107	346865	40.470	ng	98
18) Hexachloroethane	8.860	117	174831	40.757	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	308279	39.573	ng	98
20) 3+4-Methylphenols	8.549	107	476179	40.080	ng	97
22) Acetophenone	8.596	105	638557	40.114	ng	99
24) Nitrobenzene	8.972	77	453746	40.460	ng	97
25) Isophorone	9.496	82	905645	40.781	ng	100
26) 2-Nitrophenol	9.672	139	236646	41.117	ng	97
27) 2,4-Dimethylphenol	9.737	122	405811	41.001	ng	99
28) bis(2-Chloroethoxy)met...	9.966	93	537984	40.077	ng	97
29) 2,4-Dichlorophenol	10.207	162	398311	40.511	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	424899	39.422	ng	97
31) Naphthalene	10.607	128	1313518	39.813	ng	99
32) Benzoic acid	9.901	122	503342	68.883	ng	98
33) 4-Chloroaniline	10.713	127	589602	40.457	ng	98
34) Hexachlorobutadiene	10.896	225	263743	39.292	ng	99
35) Caprolactam	11.495	113	149696	41.521	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	462001	40.950	ng	97
37) 2-Methylnaphthalene	12.219	142	855020	39.823	ng	99
38) 1-Methylnaphthalene	12.431	142	906013	39.680	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	482945	39.392	ng	99
41) Hexachlorocyclopentadiene	12.572	237	385397	52.042	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	339499	41.018	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

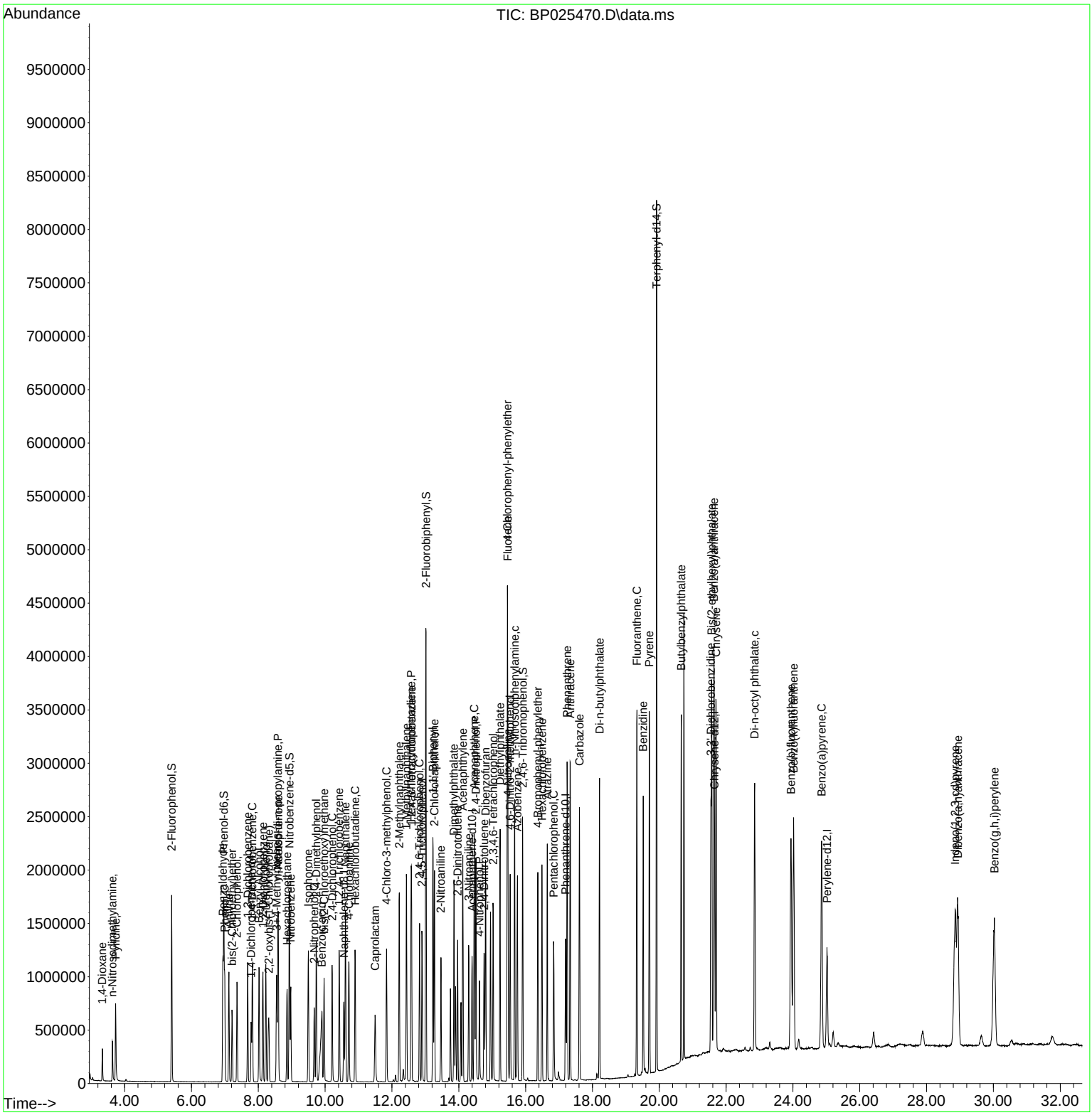
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	368261	40.597	ng	99
46) 1,1'-Biphenyl	13.225	154	1233177	40.000	ng	99
47) 2-Chloronaphthalene	13.272	162	949372	39.556	ng	98
48) 2-Nitroaniline	13.466	65	297776	42.581	ng	97
49) Acenaphthylene	14.119	152	1601364	40.322	ng	99
50) Dimethylphthalate	13.854	163	1256809	40.430	ng	99
51) 2,6-Dinitrotoluene	13.966	165	271520	41.441	ng	99
52) Acenaphthene	14.460	154	928473	39.829	ng	98
53) 3-Nitroaniline	14.295	138	306476	41.575	ng	96
54) 2,4-Dinitrophenol	14.513	184	489247	139.827	ng	99
55) Dibenzofuran	14.801	168	1466415	39.788	ng	99
56) 4-Nitrophenol	14.619	139	247845	40.915	ng	99
57) 2,4-Dinitrotoluene	14.760	165	397449	42.517	ng	99
58) Fluorene	15.460	166	1153488	39.664	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	319534	39.893	ng	99
60) Diethylphthalate	15.236	149	1262633	39.974	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	571831	39.536	ng	99
62) 4-Nitroaniline	15.472	138	315690	41.774	ng	99
63) Azobenzene	15.754	77	1133555	41.912	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	432956	81.708	ng	97
66) n-Nitrosodiphenylamine	15.672	169	1033192	39.858	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	368889	39.458	ng	97
68) Hexachlorobenzene	16.489	284	436215	40.251	ng	97
69) Atrazine	16.648	200	391199	40.298	ng	98
70) Pentachlorophenol	16.836	266	270563	39.549	ng	95
71) Phenanthrene	17.242	178	1862283	39.881	ng	99
72) Anthracene	17.336	178	1907331	39.998	ng	100
73) Carbazole	17.613	167	1784377	39.727	ng	99
74) Di-n-butylphthalate	18.213	149	2286022	41.367	ng	99
75) Fluoranthene	19.330	202	2194437	39.397	ng	99
77) Benzidine	19.519	184	1306974	45.160	ng	100
78) Pyrene	19.701	202	2276181	41.296	ng	100
80) Butylbenzylphthalate	20.660	149	1044362	41.807	ng	98
81) Benzo(a)anthracene	21.636	228	2217188	39.644	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	848549	40.253	ng	100
83) Chrysene	21.701	228	2130864	40.684	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1538326	41.834	ng	99
85) Di-n-octyl phthalate	22.854	149	2642675	41.781	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	2804996	39.545	ng	94
88) Benzo(b)fluoranthene	23.942	252	2308389	40.474	ng	99
89) Benzo(k)fluoranthene	24.018	252	2229990	39.073	ng	99
90) Benzo(a)pyrene	24.859	252	2197471	39.581	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	2299829	39.676	ng	99
92) Benzo(g,h,i)perylene	30.030	276	2226412	39.074	ng	99

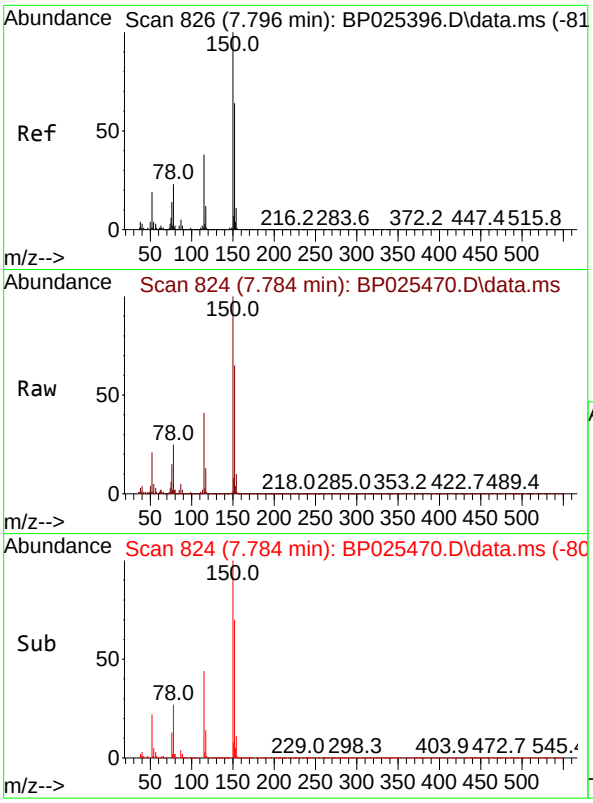
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



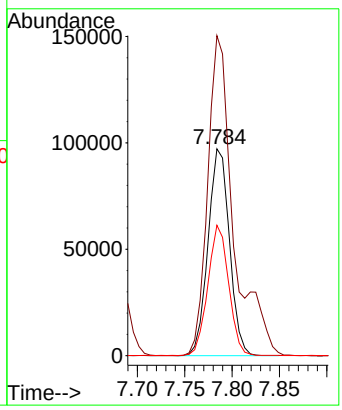


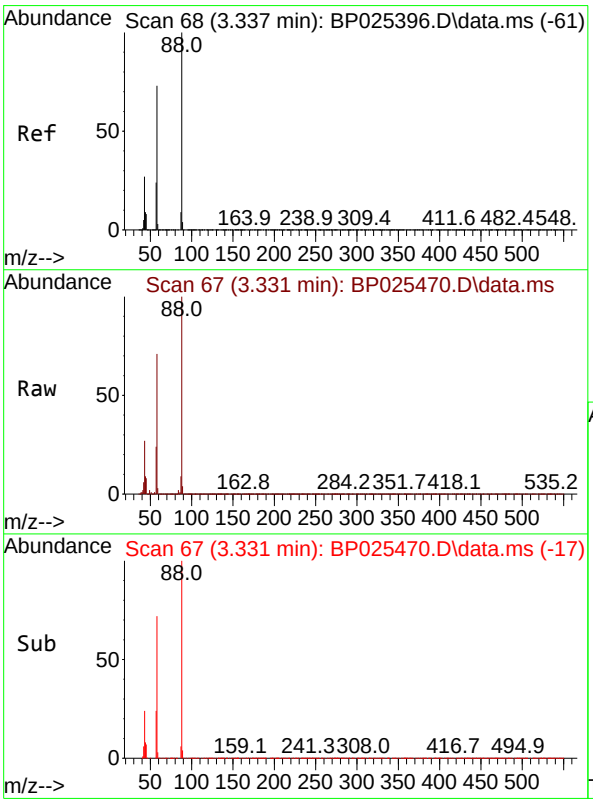
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 152340

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.9	188.9
115	63.1	48.5	72.7

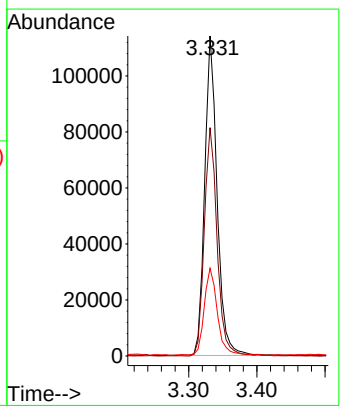


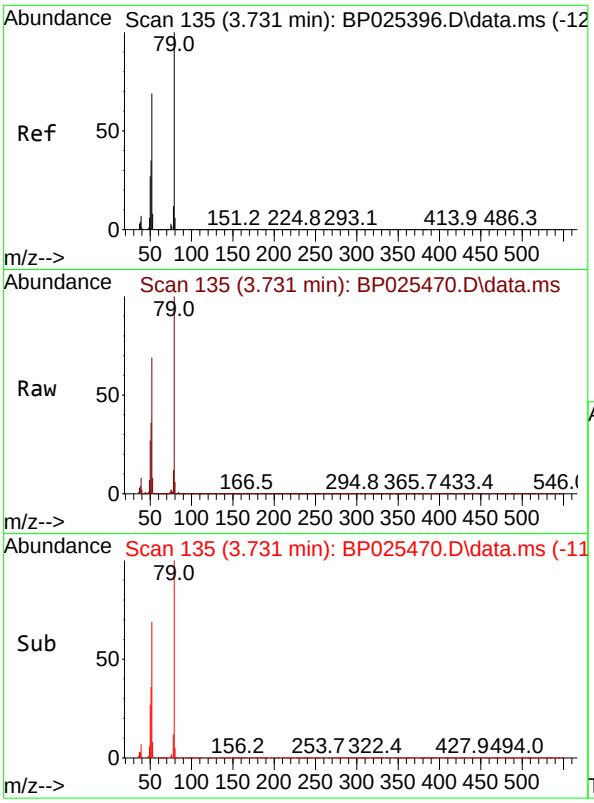


#2
1,4-Dioxane
Concen: 40.315 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 88 Resp: 144857

Ion	Ratio	Lower	Upper
88	100		
58	73.9	59.2	88.8
43	28.6	21.7	32.5



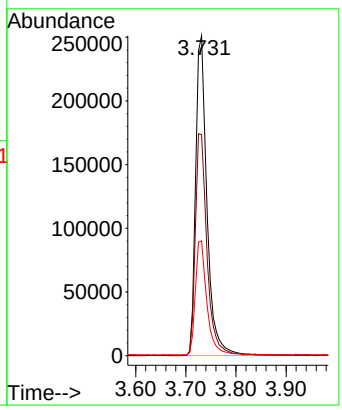


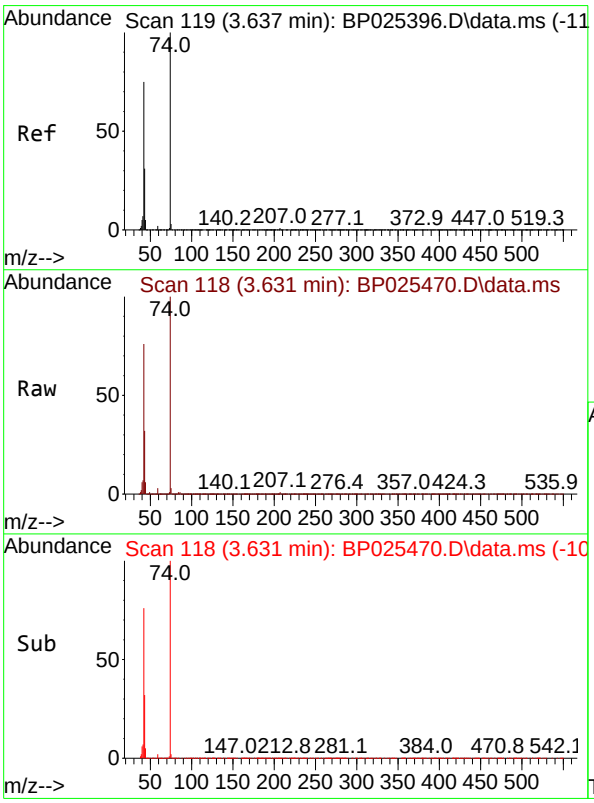
#3
Pyridine
Concen: 40.190 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 395262

Ion	Ratio	Lower	Upper
79	100		
52	69.1	55.5	83.3
51	35.9	28.3	42.5

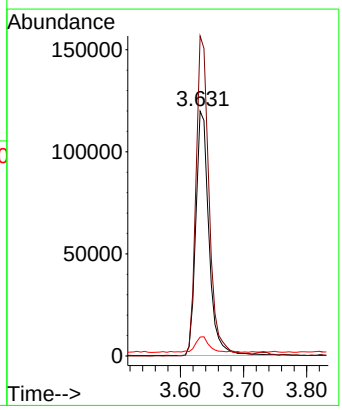


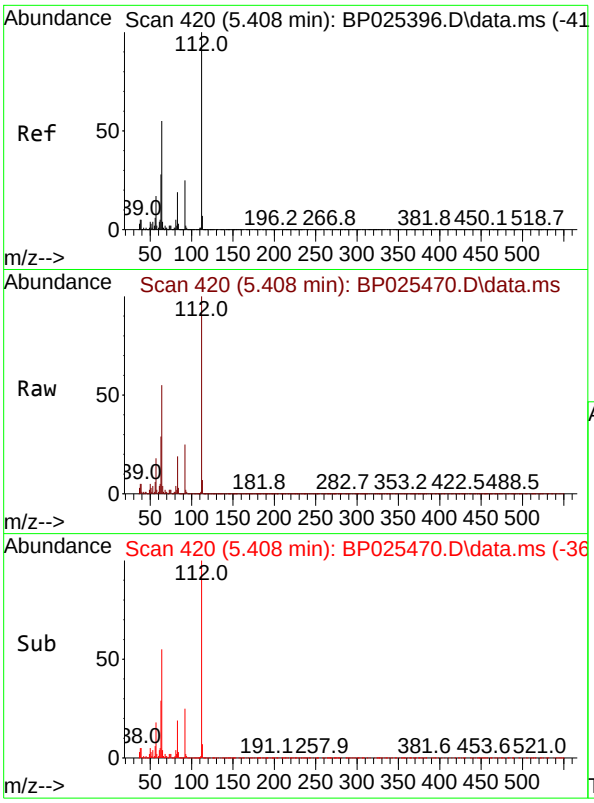


#4
n-Nitrosodimethylamine
Concen: 42.738 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 42 Resp: 173283

Ion	Ratio	Lower	Upper
42	100		
74	130.7	107.0	160.4
44	7.7	6.2	9.4



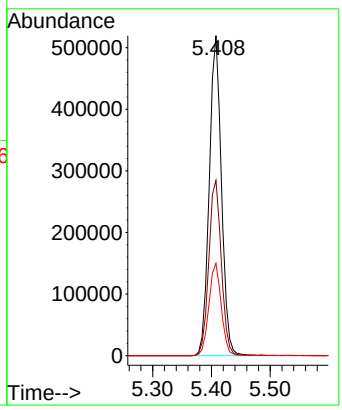


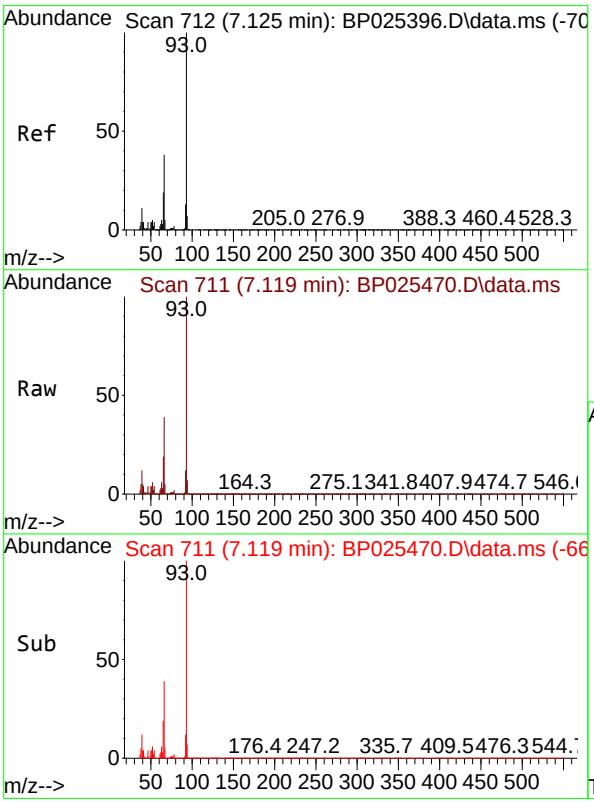
#5
2-Fluorophenol
Concen: 81.661 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 749096

Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	28.8	22.7	34.1

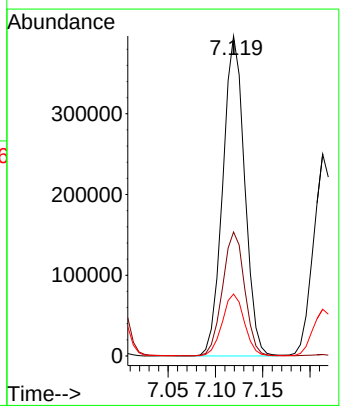


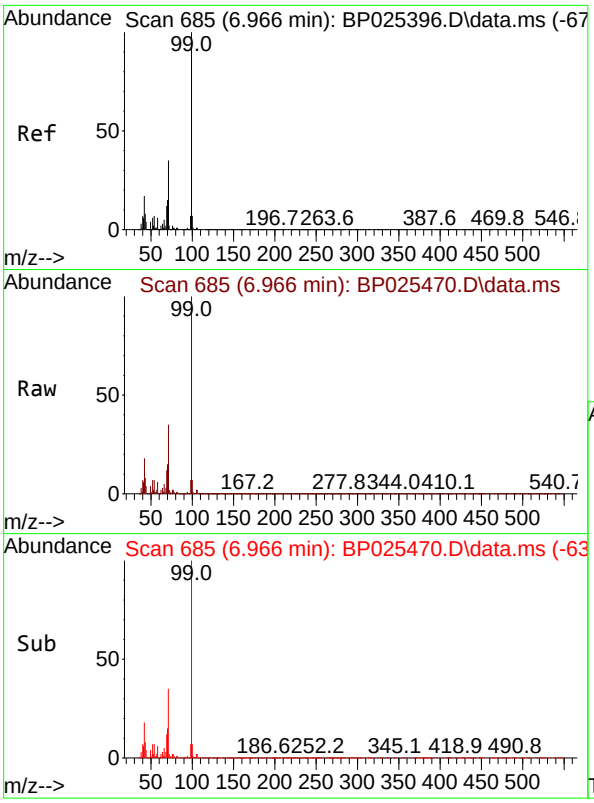


#6
Aniline
Concen: 40.087 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 93 Resp: 635215

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.4	45.6
65	19.4	15.3	22.9



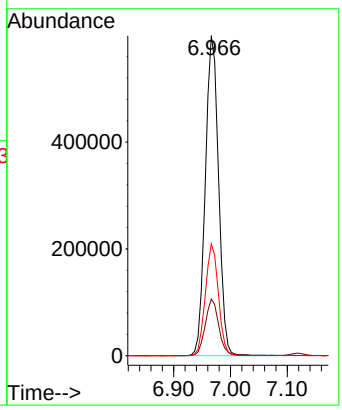


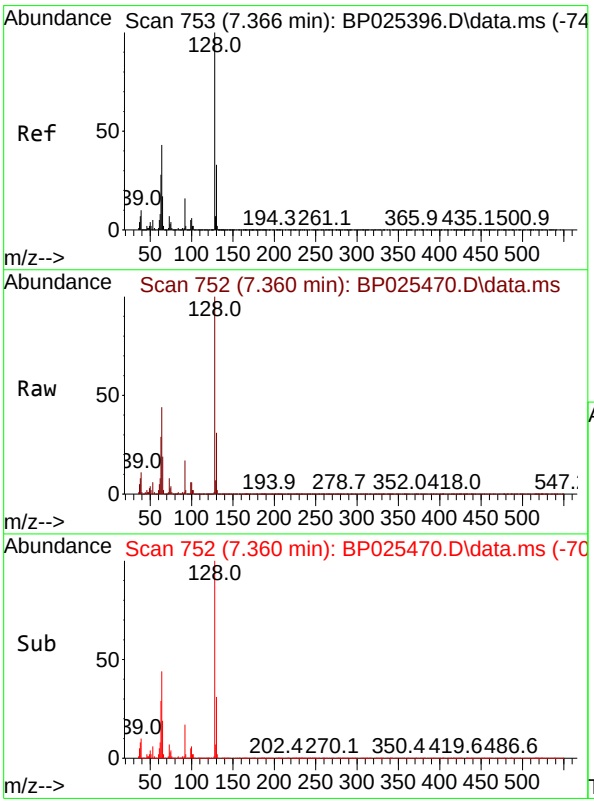
#7
Phenol-d6
Concen: 82.185 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 966571

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.0	28.2	42.4

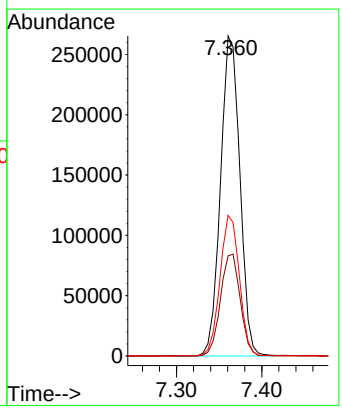


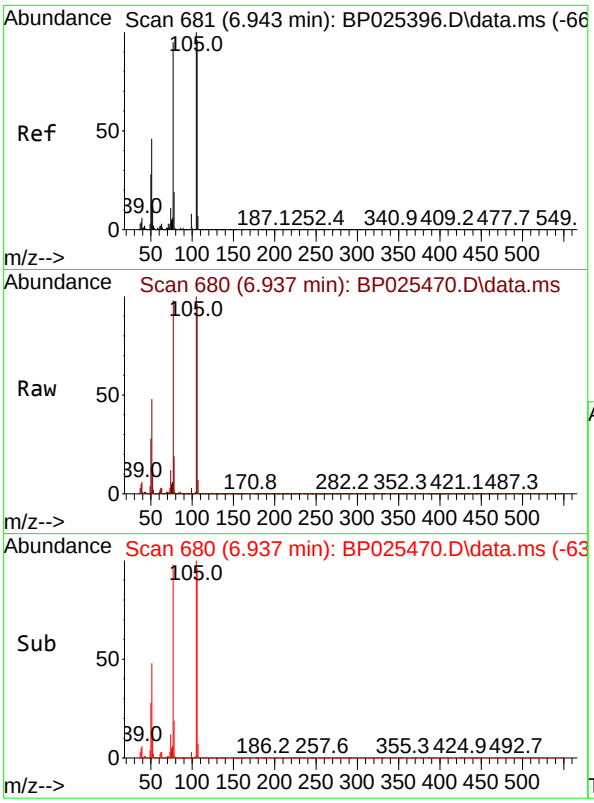


#8
2-Chlorophenol
Concen: 40.380 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:128 Resp: 418000

Ion	Ratio	Lower	Upper
128	100		
130	31.3	12.6	52.6
64	43.9	23.4	63.4



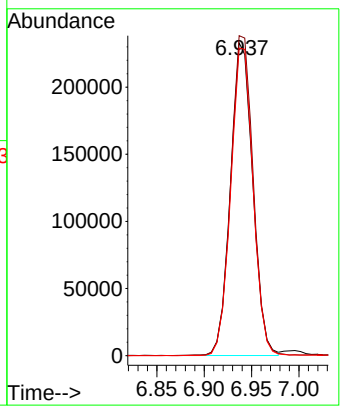


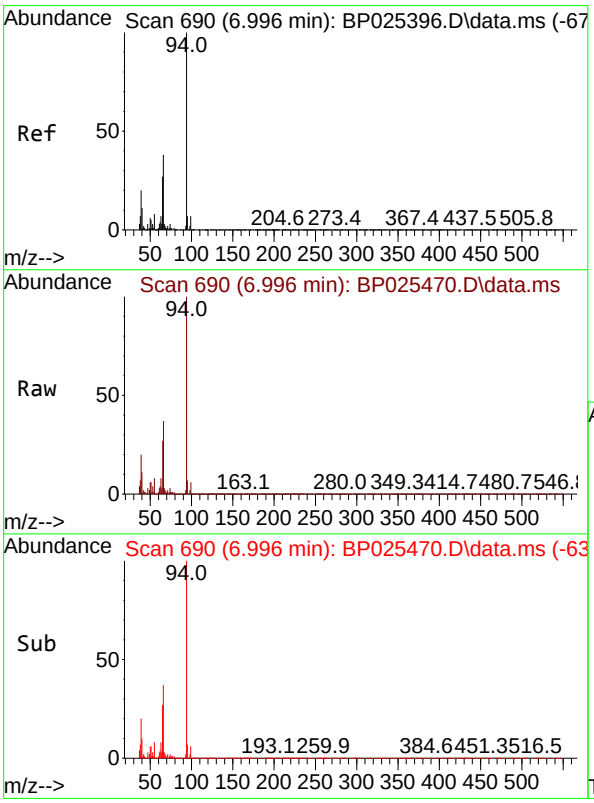
#9
Benzaldehyde
Concen: 46.044 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 379395

Ion	Ratio	Lower	Upper
77	100		
105	102.3	84.8	124.8
106	98.3	80.5	120.5

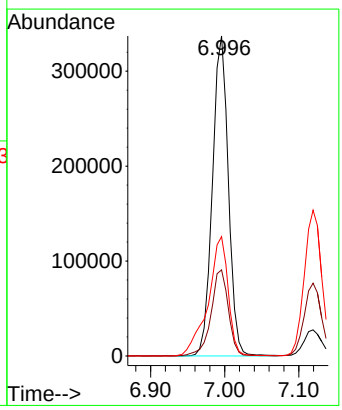


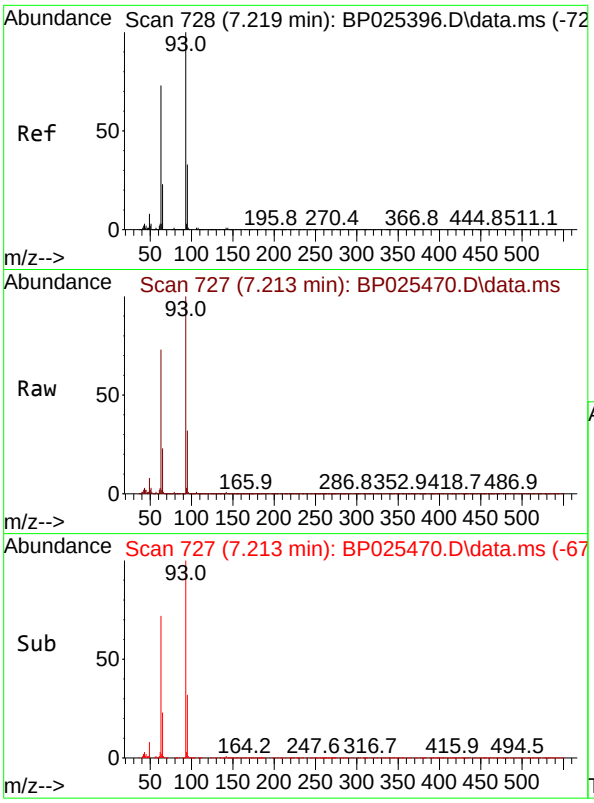


#10
Phenol
Concen: 40.784 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 94 Resp: 503304

Ion	Ratio	Lower	Upper
94	100		
65	26.9	6.8	46.8
66	37.3	18.2	58.2



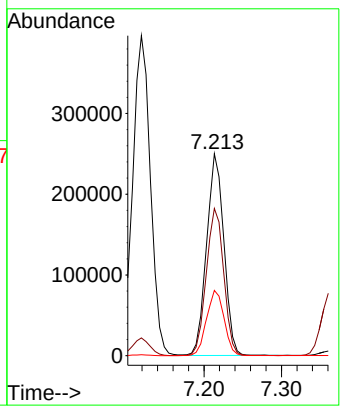


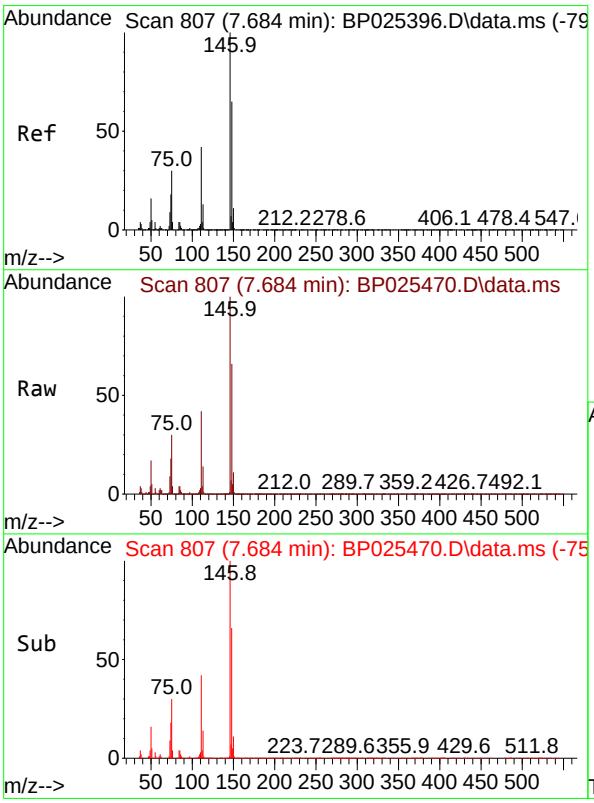
#11
bis(2-Chloroethyl)ether
Concen: 40.295 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 387587

Ion	Ratio	Lower	Upper
93	100		
63	72.9	52.6	92.6
95	32.3	12.7	52.7

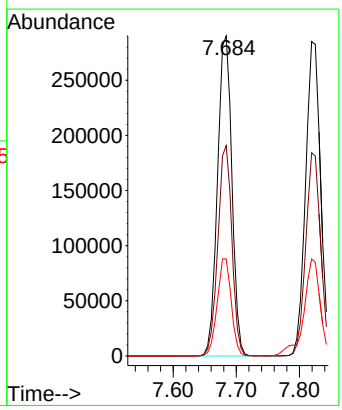


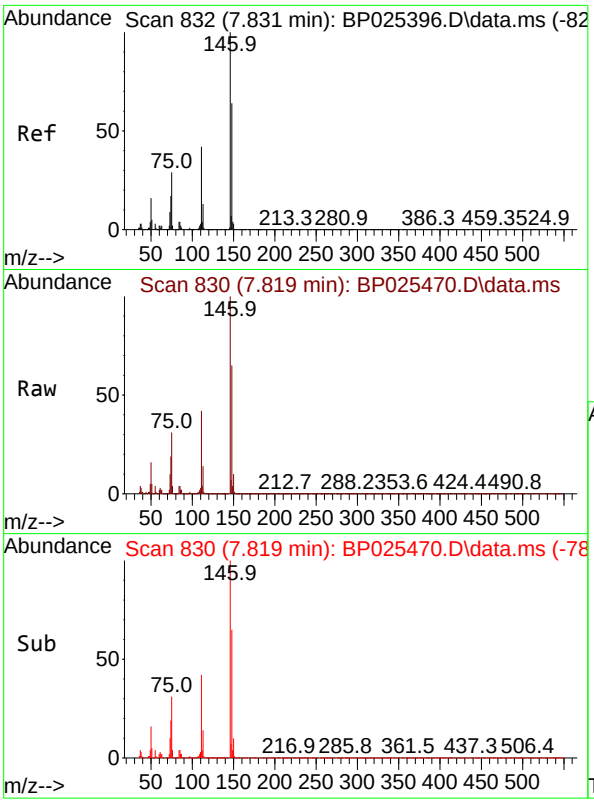


#12
1,3-Dichlorobenzene
Concen: 40.075 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:146 Resp: 457432

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.9	77.9
75	30.3	23.7	35.5



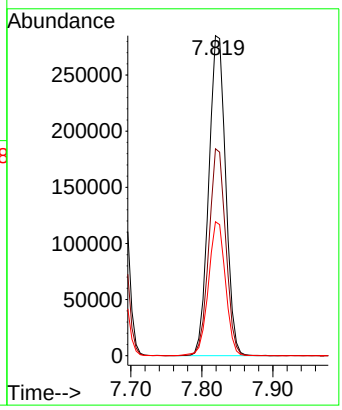


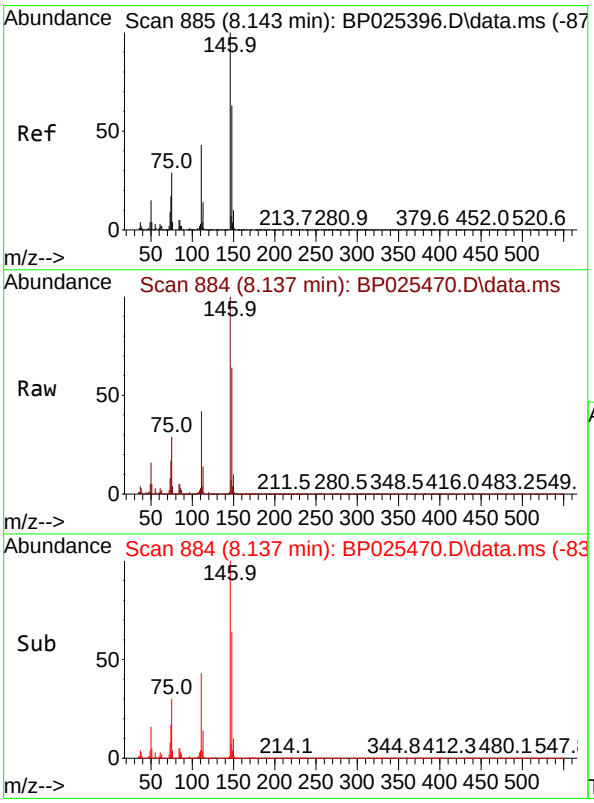
#13
1,4-Dichlorobenzene
Concen: 40.312 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 470304

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
111	41.8	33.4	50.0

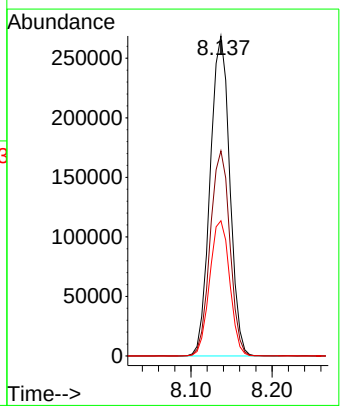


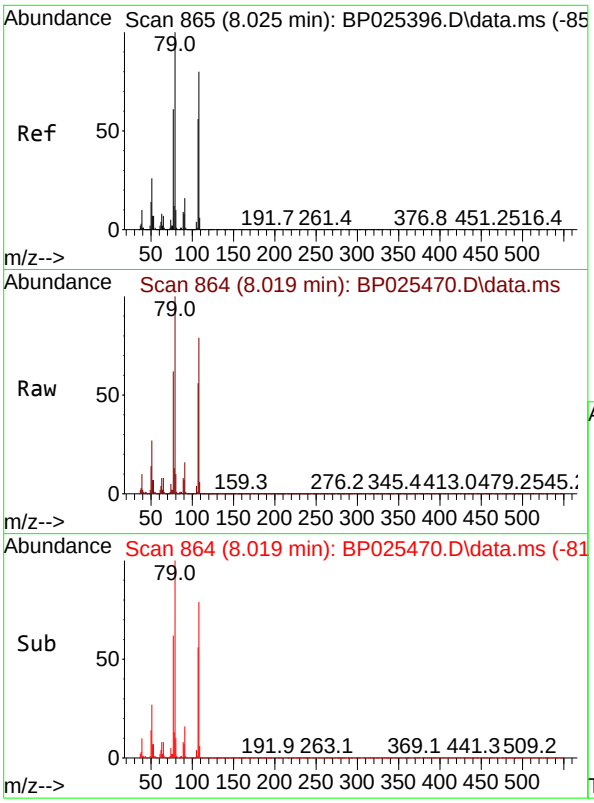


#14
1,2-Dichlorobenzene
Concen: 39.850 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:146 Resp: 450046

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	42.2	34.5	51.7



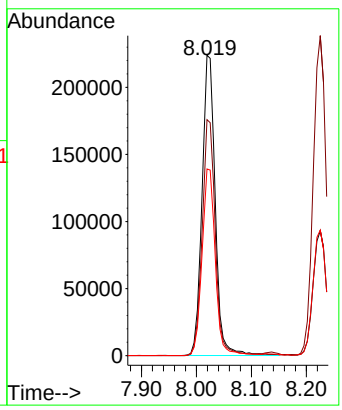


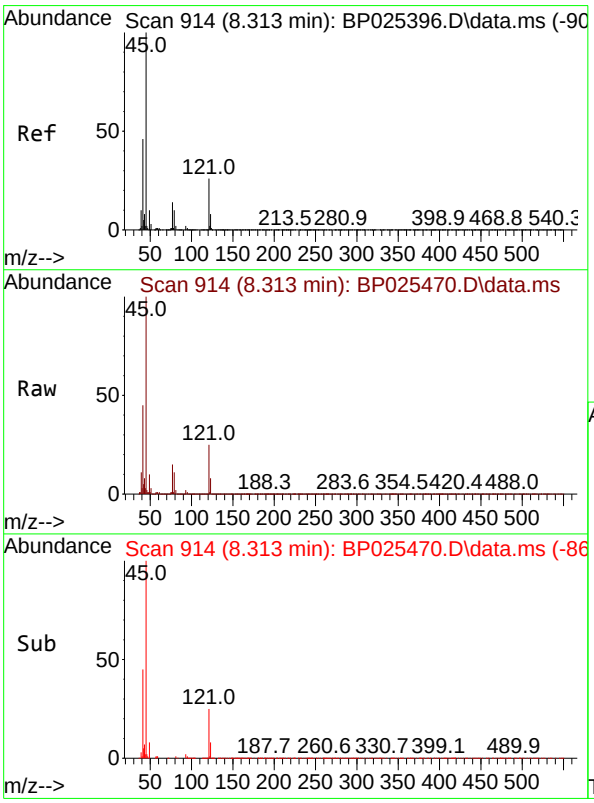
#15
Benzyl Alcohol
Concen: 39.981 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 373613

Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.1	49.0	73.4

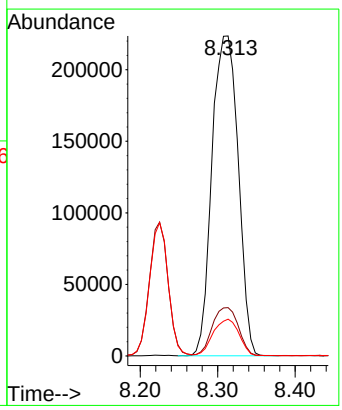


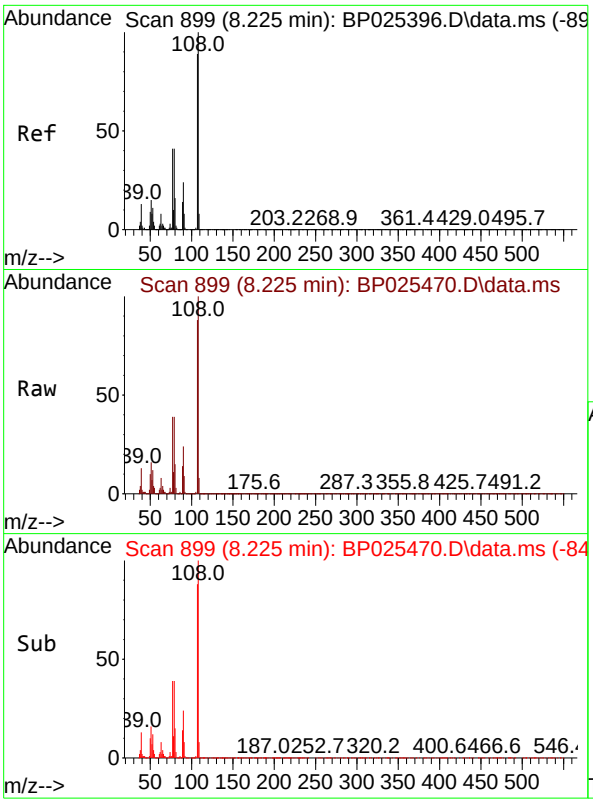


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.786 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 45 Resp: 525543

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.3
79	11.5	0.0	31.8



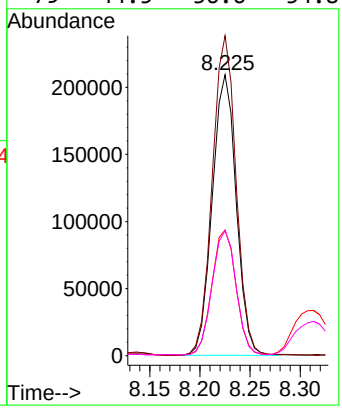


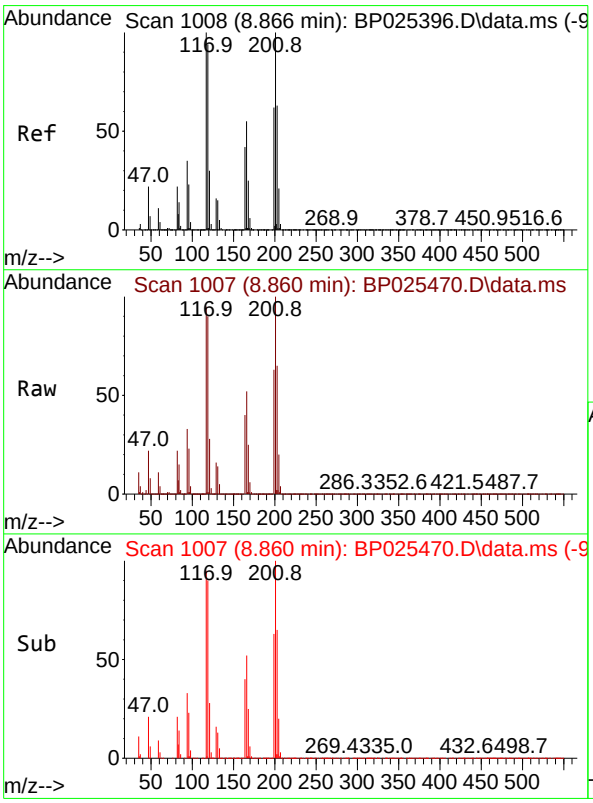
#17
2-Methylphenol
Concen: 40.470 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 346865

Ion	Ratio	Lower	Upper
107	100		
108	113.9	89.4	134.0
77	44.7	36.3	54.5
79	44.5	36.6	54.8

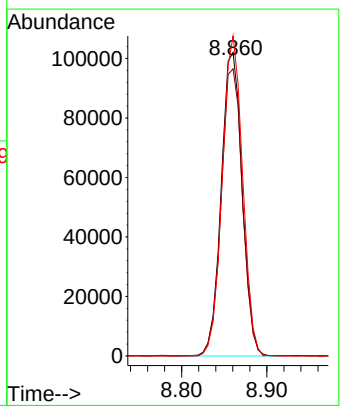


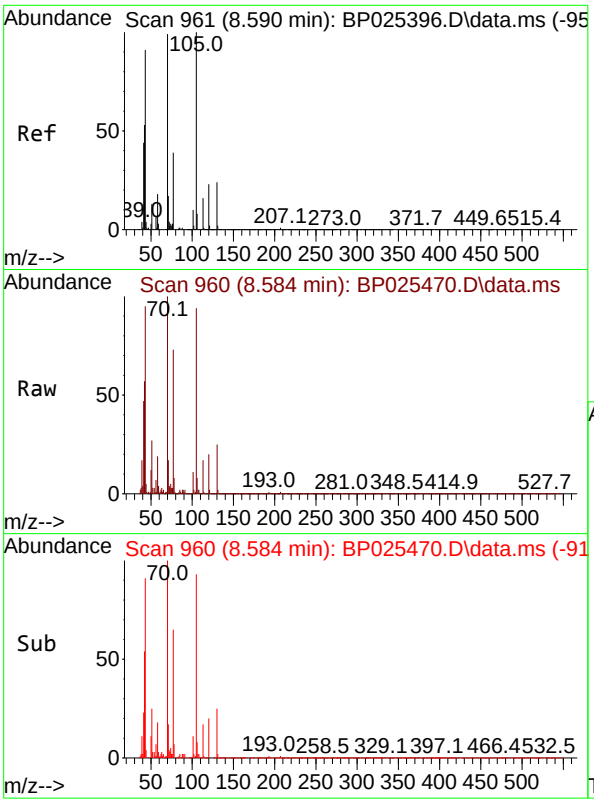


#18
Hexachloroethane
Concen: 40.757 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:117 Resp: 174831

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.1	112.7
201	105.4	80.1	120.1



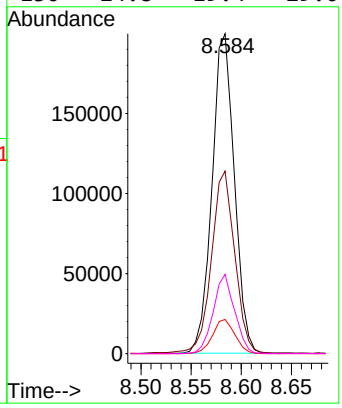


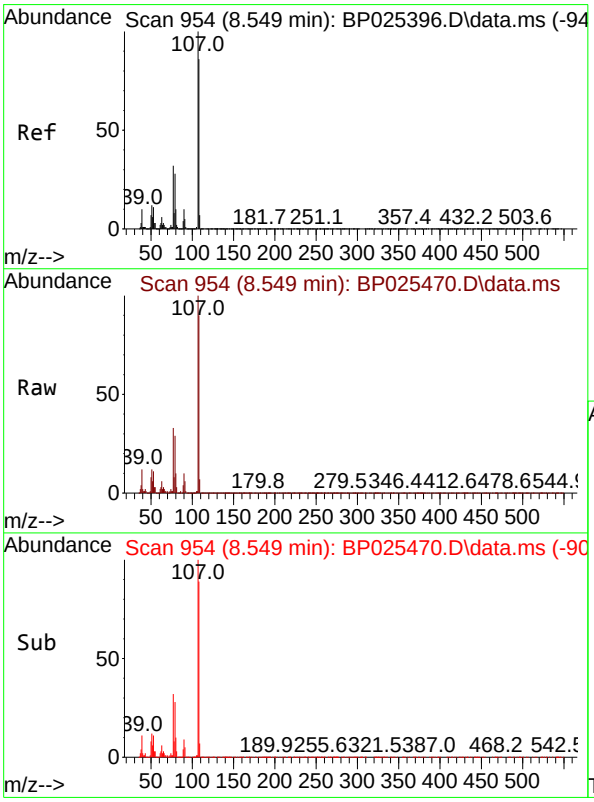
#19
n-Nitroso-di-n-propylamine
Concen: 39.573 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 308279

Ion	Ratio	Lower	Upper
70	100		
42	57.1	43.8	65.6
101	10.7	8.5	12.7
130	24.8	19.4	29.0

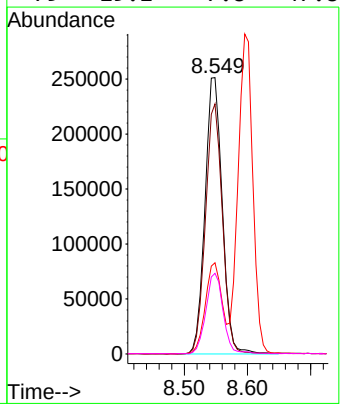


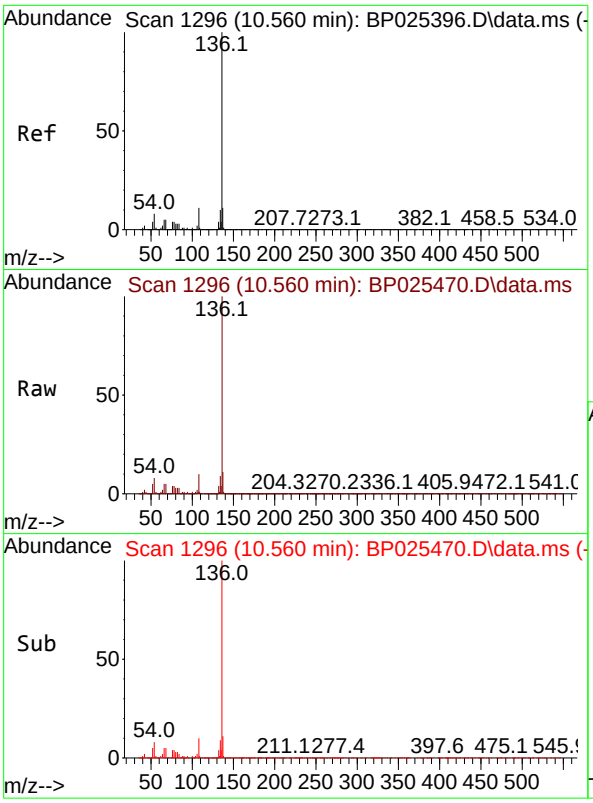


#20
3+4-Methylphenols
Concen: 40.080 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:107 Resp: 476179

Ion	Ratio	Lower	Upper
107	100		
108	90.5	66.3	106.3
77	33.0	12.3	52.3
79	29.2	7.8	47.8



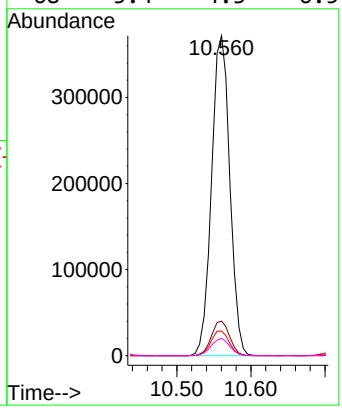


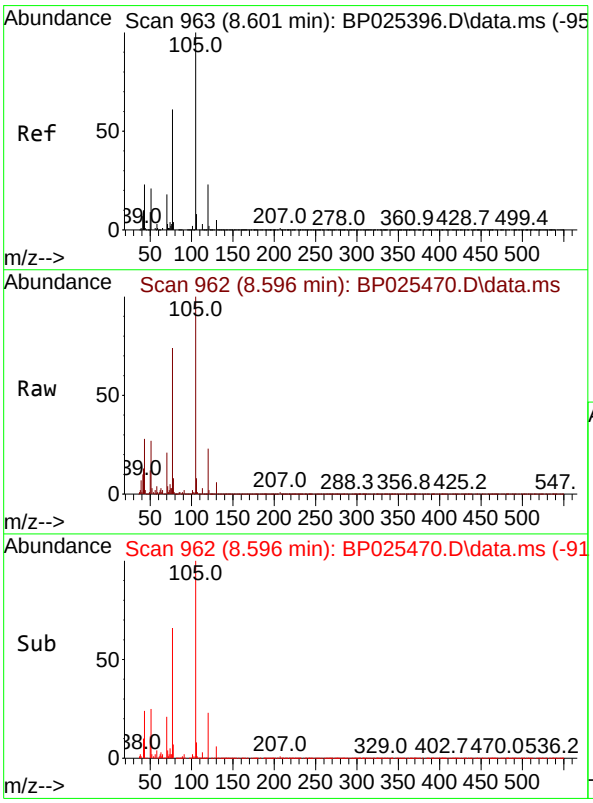
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 634765

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.7	6.0	9.0
68	5.4	4.3	6.5

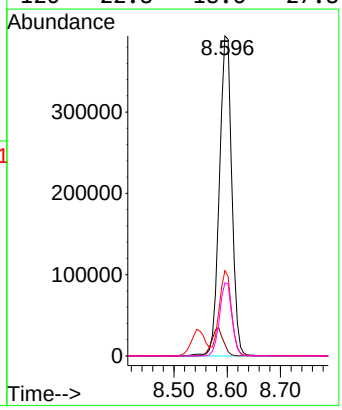


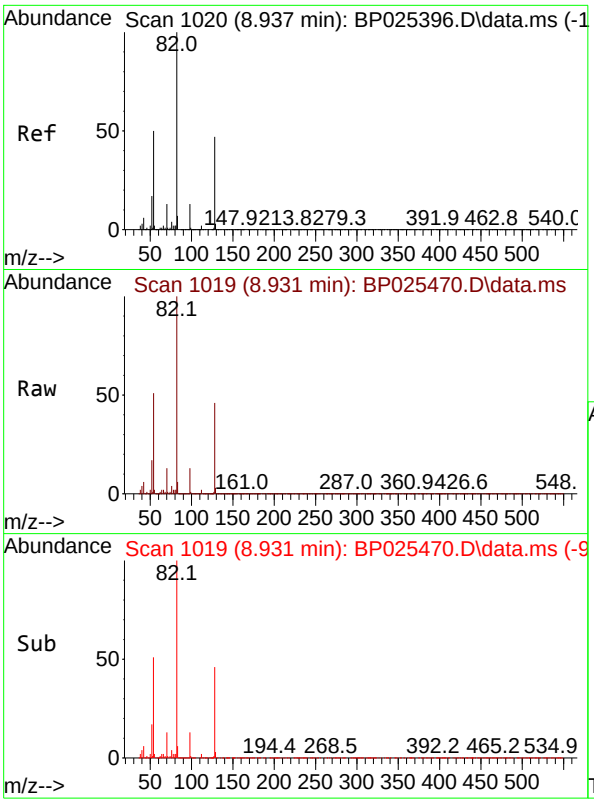


#22
Acetophenone
Concen: 40.114 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:105 Resp: 638557

Ion	Ratio	Lower	Upper
105	100		
71	3.6	2.6	4.0
51	26.7	20.6	30.8
120	22.8	18.6	27.8



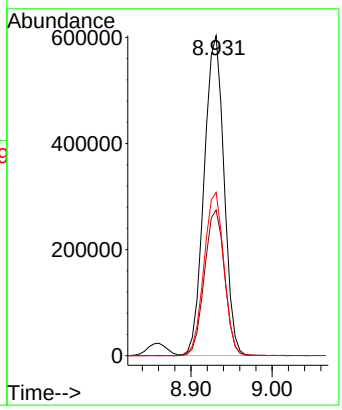


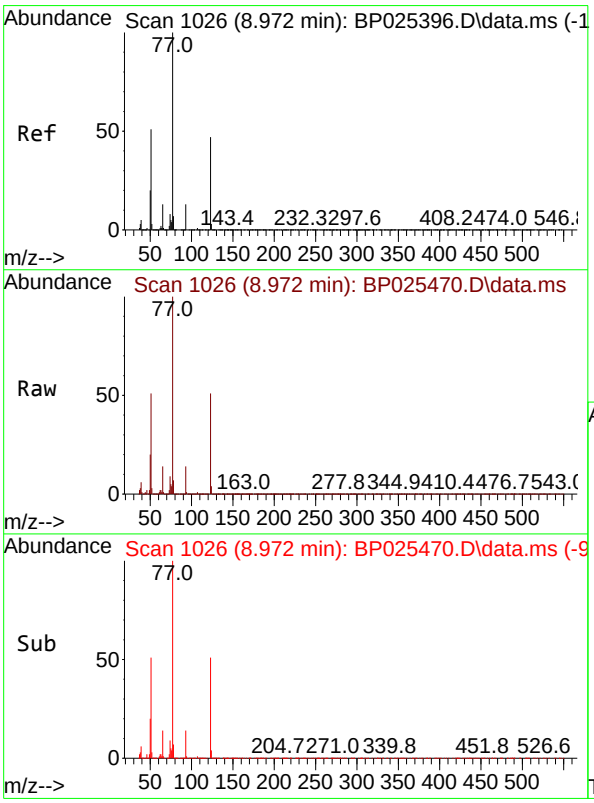
#23
Nitrobenzene-d5
Concen: 81.627 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1024289

Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.7	56.5
54	51.1	39.8	59.6

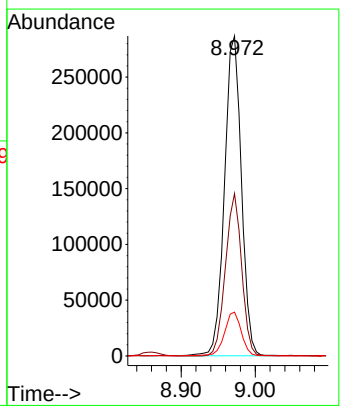


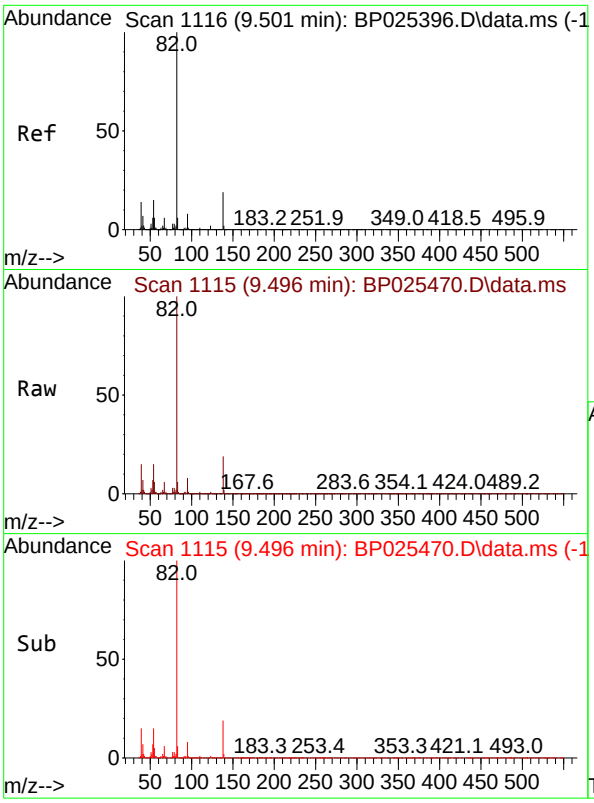


#24
Nitrobenzene
Concen: 40.460 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 77 Resp: 453746

Ion	Ratio	Lower	Upper
77	100		
123	50.8	38.6	58.0
65	13.7	10.6	15.8



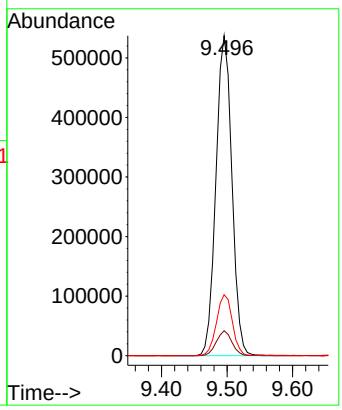


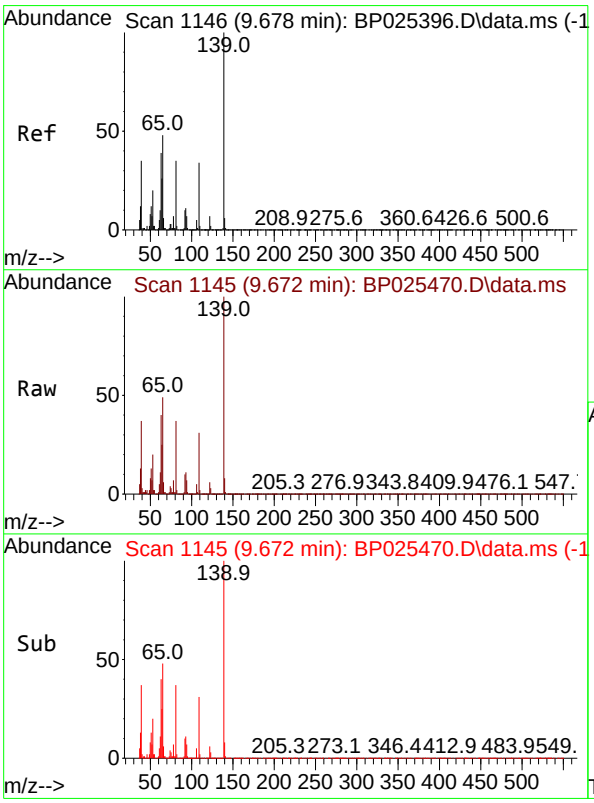
#25
Isophorone
Concen: 40.781 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 905645

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	19.1	15.4	23.0

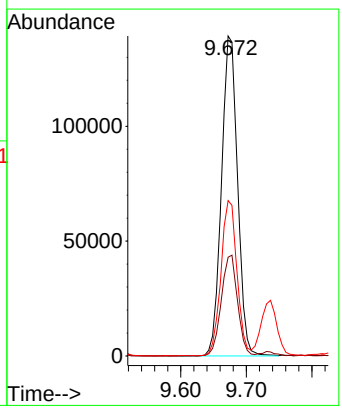


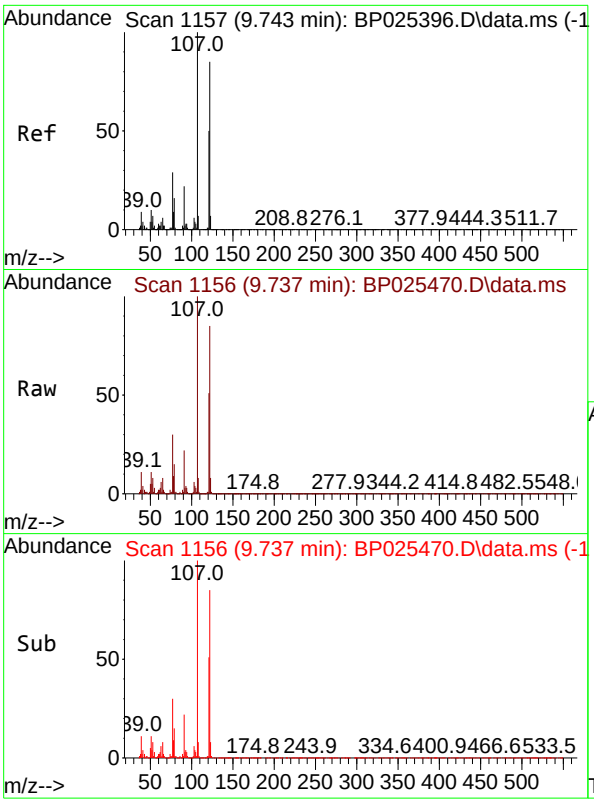


#26
2-Nitrophenol
Concen: 41.117 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:139 Resp: 236646

Ion	Ratio	Lower	Upper
139	100		
109	30.9	26.9	40.3
65	48.5	38.3	57.5



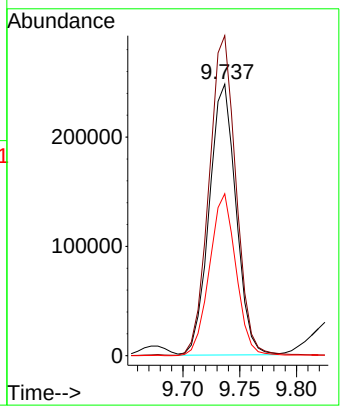


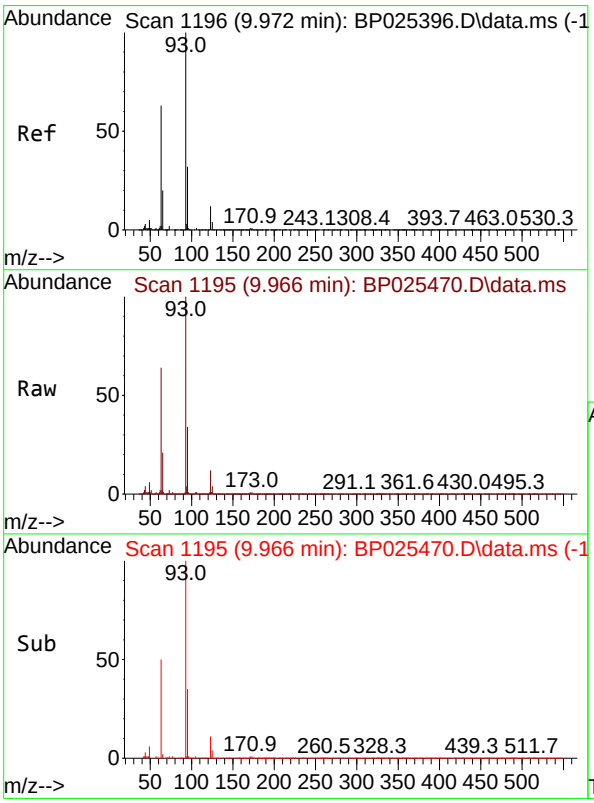
#27
2,4-Dimethylphenol
Concen: 41.001 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 405811

Ion	Ratio	Lower	Upper
122	100		
107	117.9	93.7	140.5
121	59.6	46.6	69.8

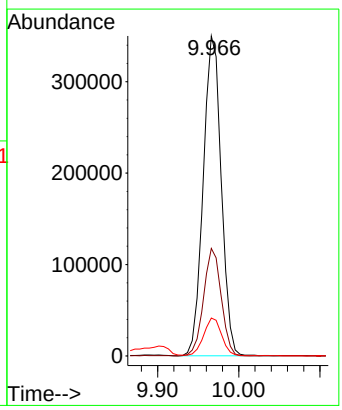


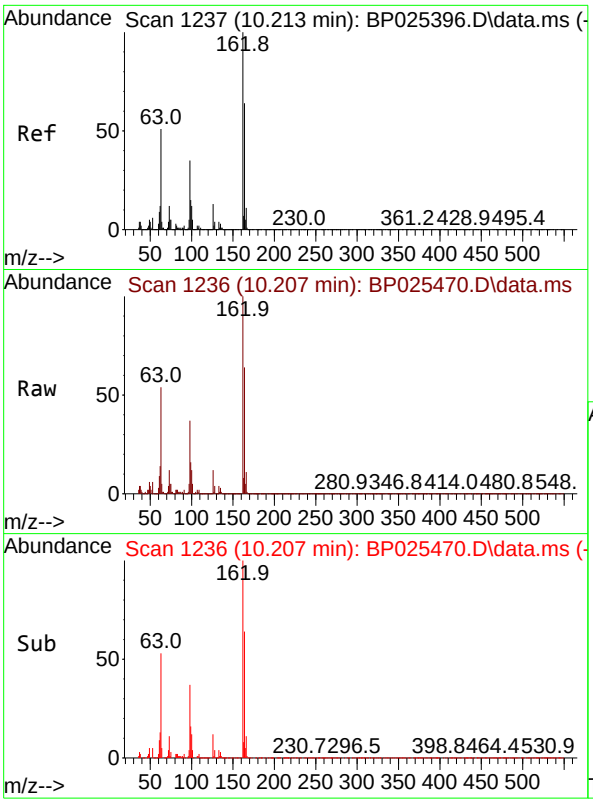


#28
bis(2-Chloroethoxy)methane
Concen: 40.077 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 93 Resp: 537984

Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.4	38.0
123	11.9	9.4	14.0



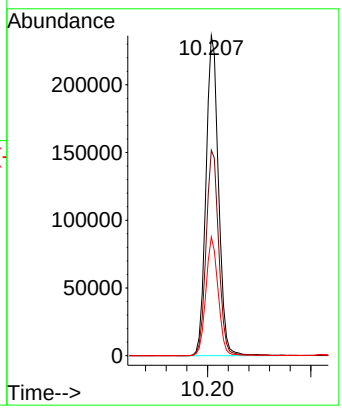


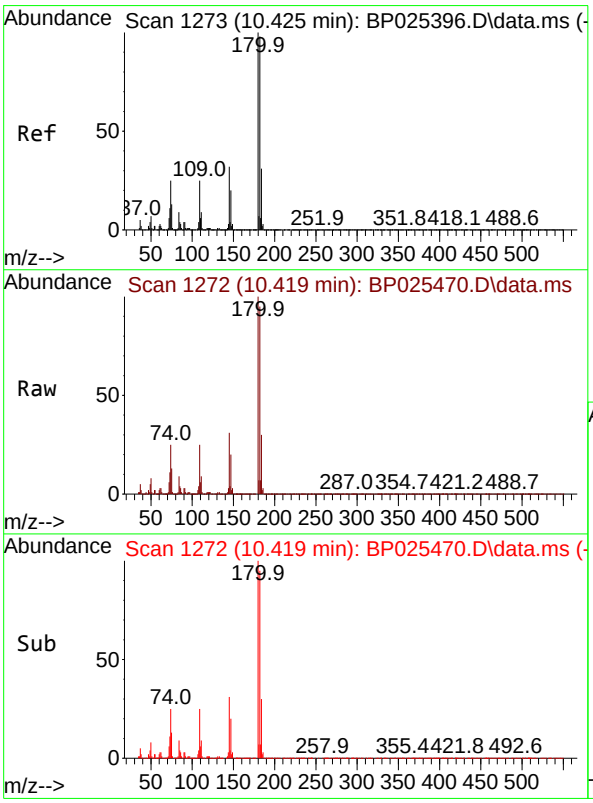
#29
2,4-Dichlorophenol
Concen: 40.511 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 398311

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.4	84.4
98	37.1	14.9	54.9

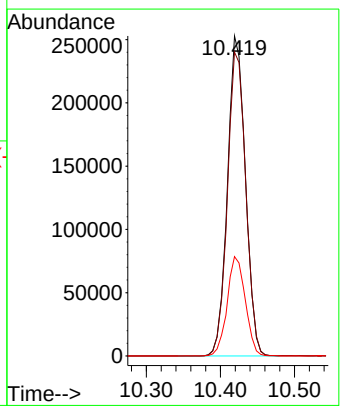


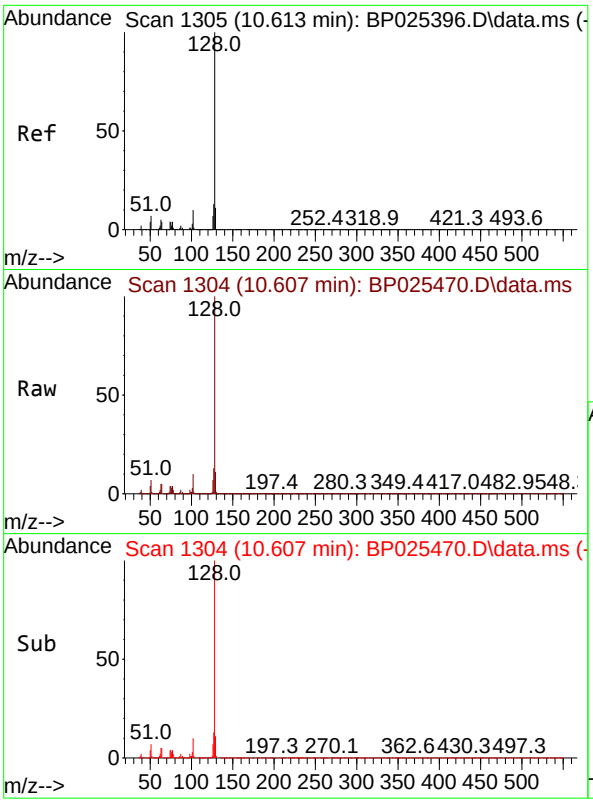


#30
1,2,4-Trichlorobenzene
Concen: 39.422 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:180 Resp: 424899

Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.0	117.0
145	31.1	25.9	38.9



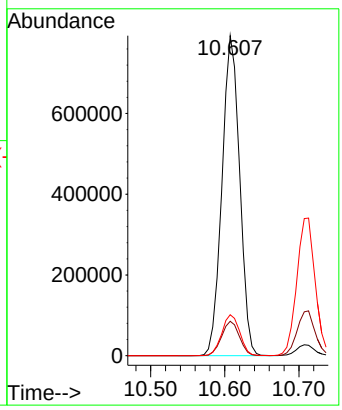


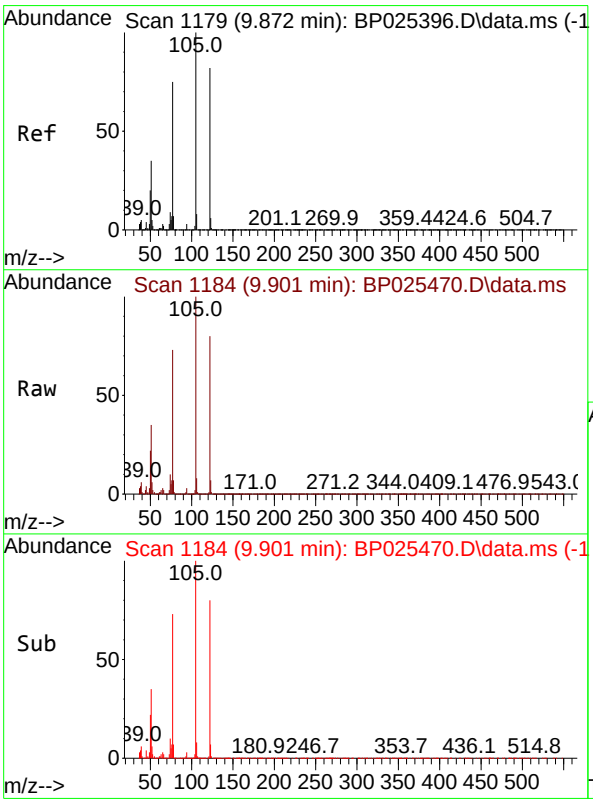
#31
Naphthalene
Concen: 39.813 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1313518

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.8	10.7	16.1

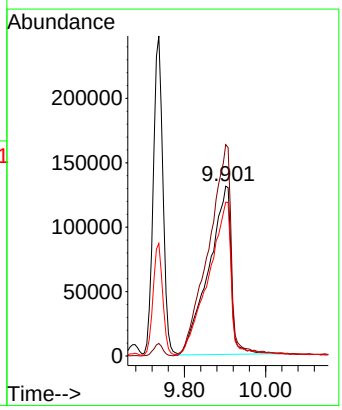


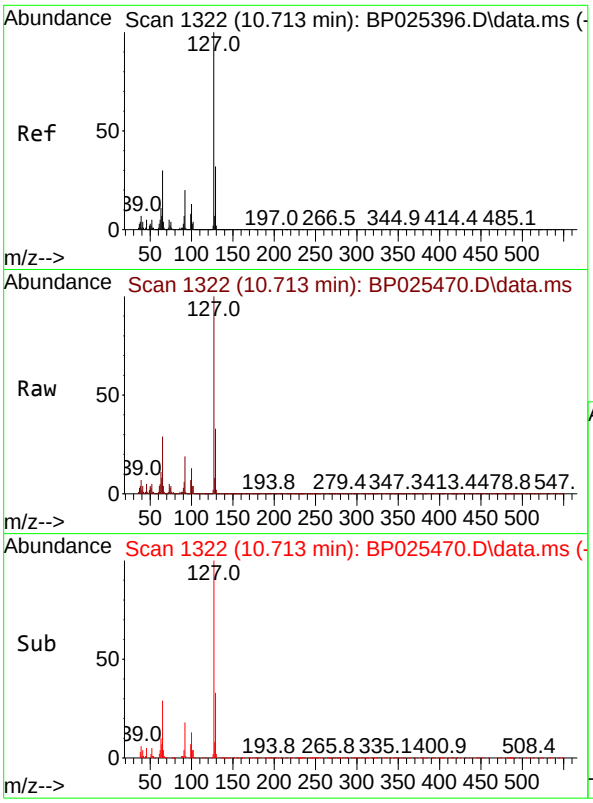


#32
Benzoic acid
Concen: 68.883 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:122 Resp: 503342

Ion	Ratio	Lower	Upper
122	100		
105	124.5	100.6	140.6
77	90.5	71.5	111.5



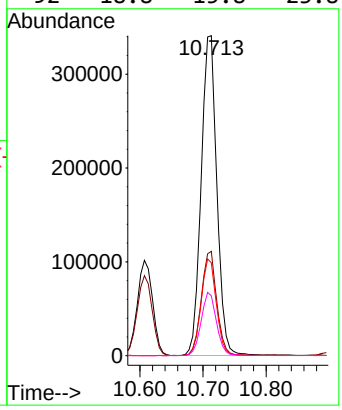


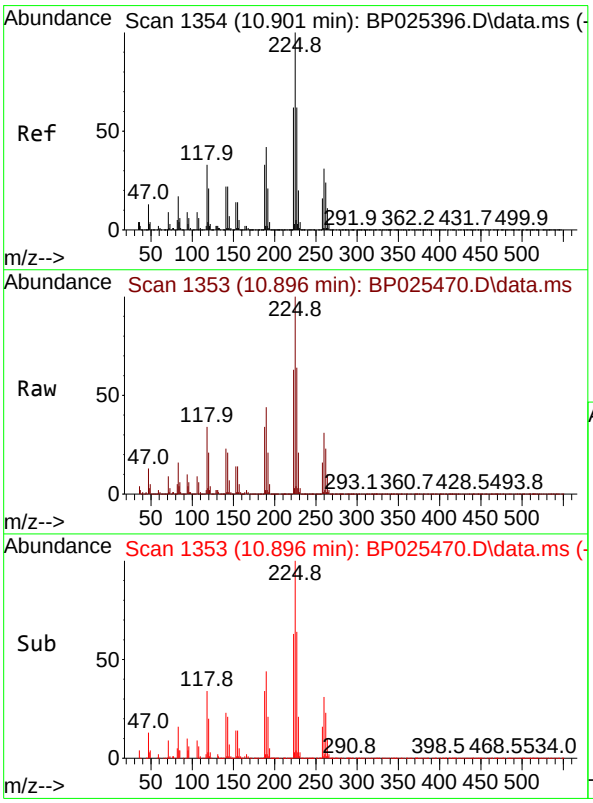
#33
4-Chloroaniline
Concen: 40.457 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 589602

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.2
65	29.0	23.8	35.6
92	18.8	15.8	23.8

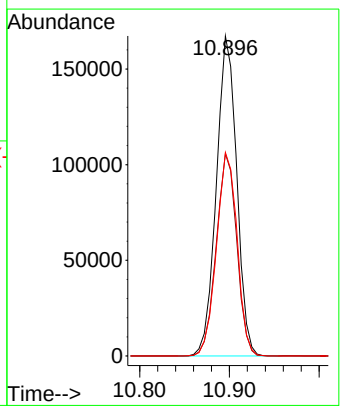


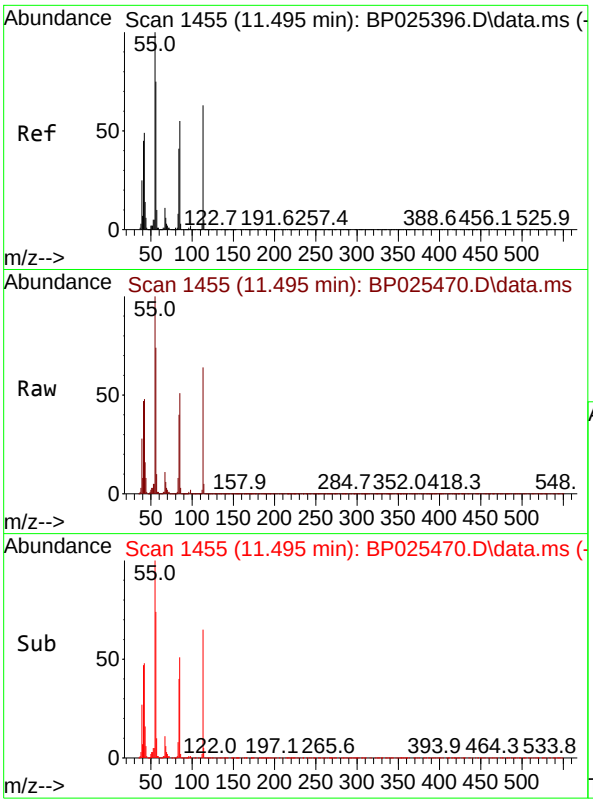


#34
Hexachlorobutadiene
Concen: 39.292 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:225 Resp: 263743

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.0	75.0
227	63.6	49.7	74.5



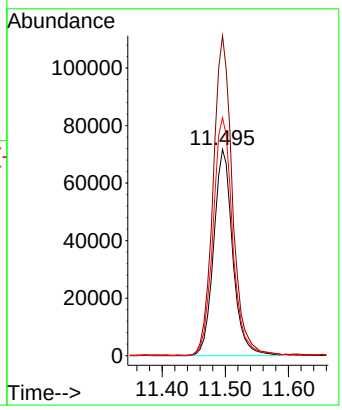


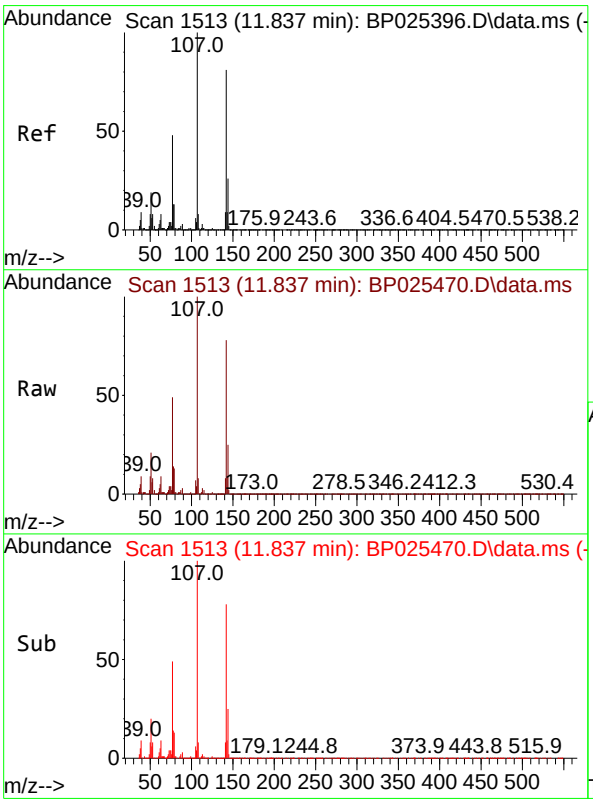
#35
Caprolactam
Concen: 41.521 ng
RT: 11.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 149696

Ion	Ratio	Lower	Upper
113	100		
55	155.2	140.0	180.0
56	115.5	100.0	140.0

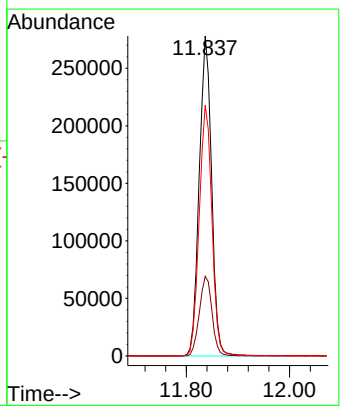


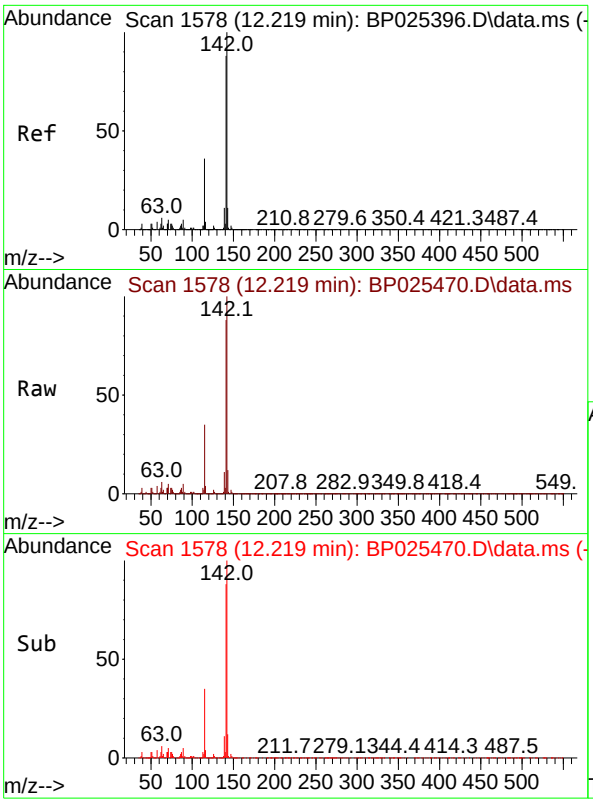


#36
4-Chloro-3-methylphenol
Concen: 40.950 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:107 Resp: 462001

Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.0	31.4
142	78.4	64.6	97.0



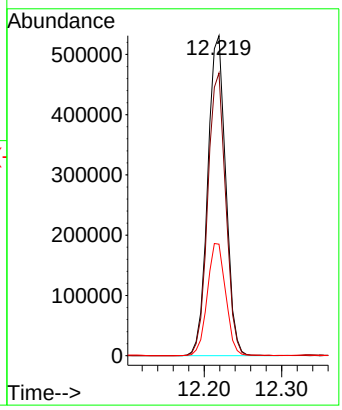


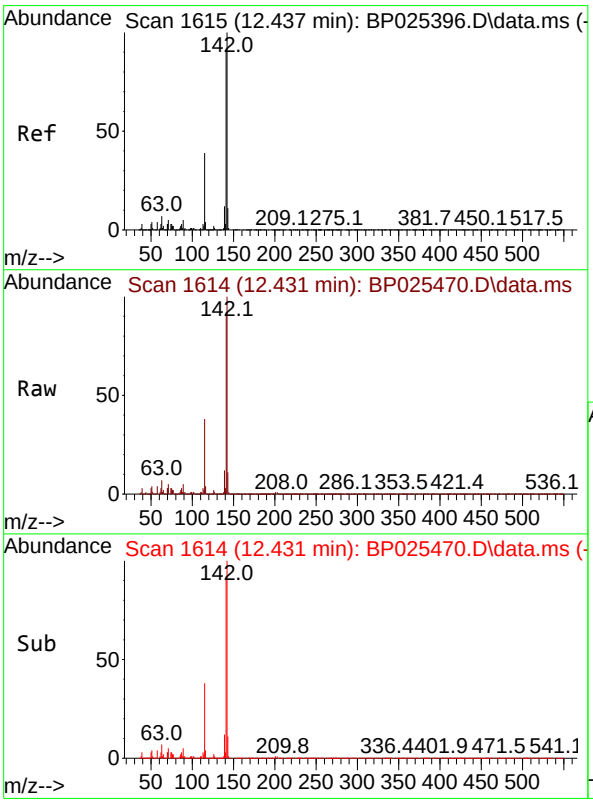
#37
2-Methylnaphthalene
Concen: 39.823 ng
RT: 12.219 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 855020

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	34.8	28.9	43.3

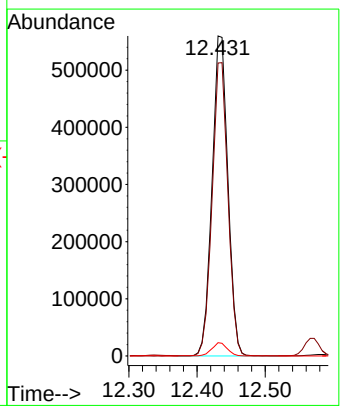


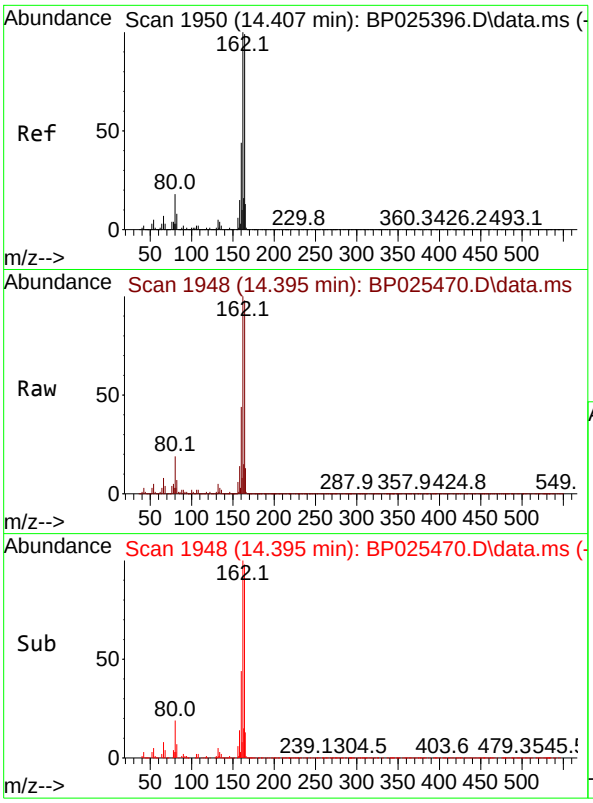


#38
1-Methylnaphthalene
Concen: 39.680 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:142 Resp: 906013

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.1	109.7
116	4.1	3.2	4.8



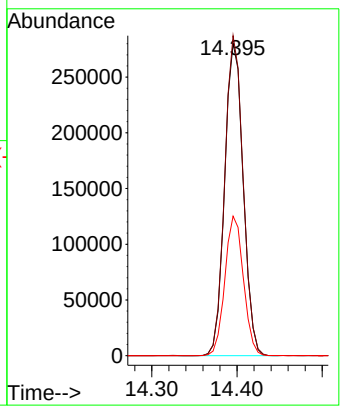


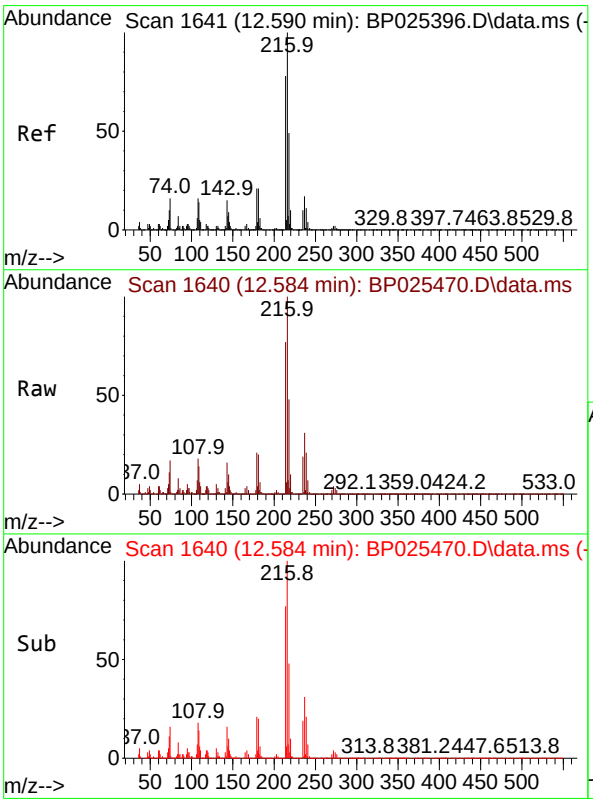
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 424501

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.0	121.6
160	44.7	35.4	53.2

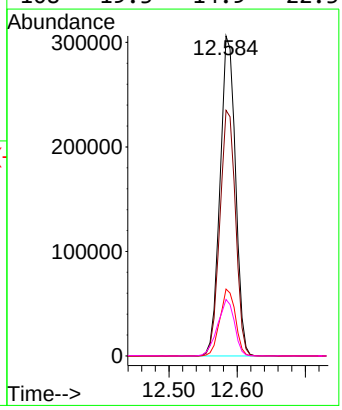


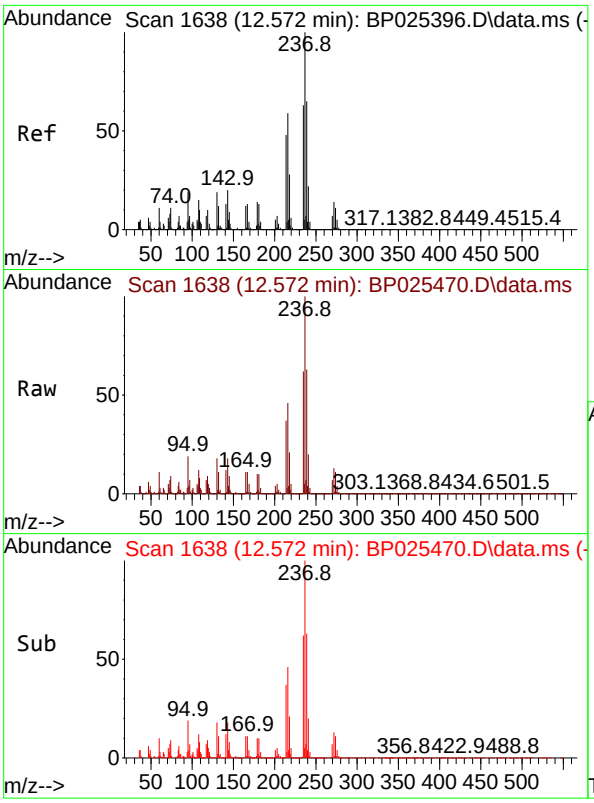


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.392 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:216 Resp: 482945

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.0	17.1	25.7
108	19.3	14.9	22.3



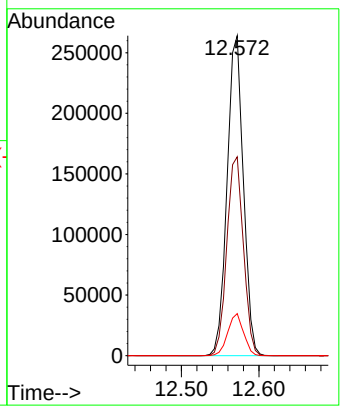


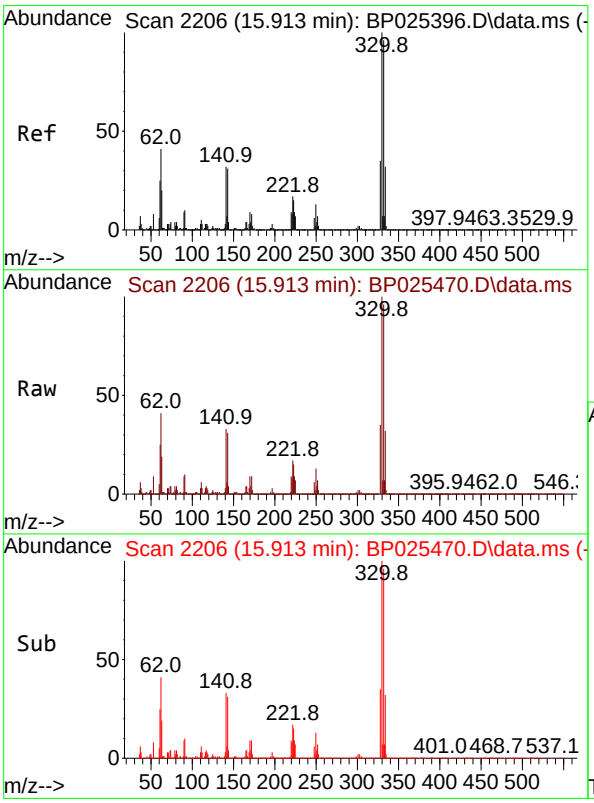
#41
Hexachlorocyclopentadiene
Concen: 52.042 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 385397

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.7	82.7
272	13.1	0.0	34.0

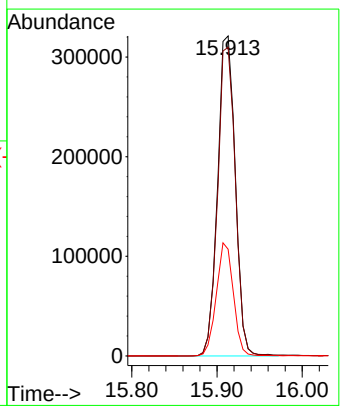


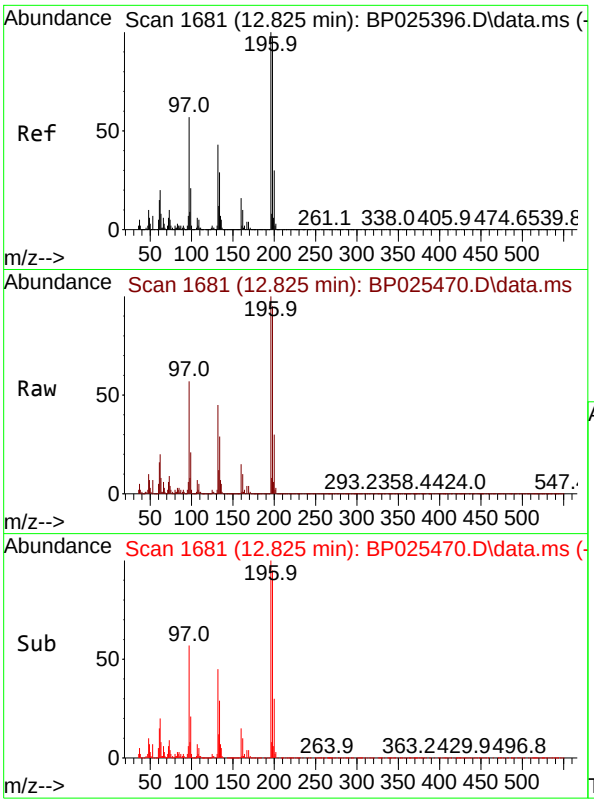


#42
2,4,6-Tribromophenol
Concen: 81.256 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:330 Resp: 464282

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	34.0	26.6	39.8



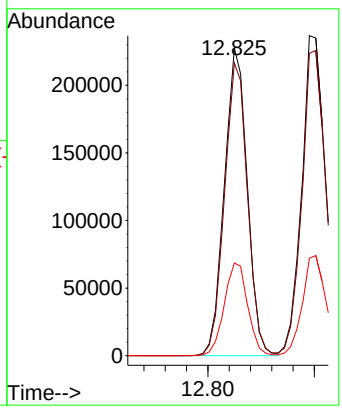


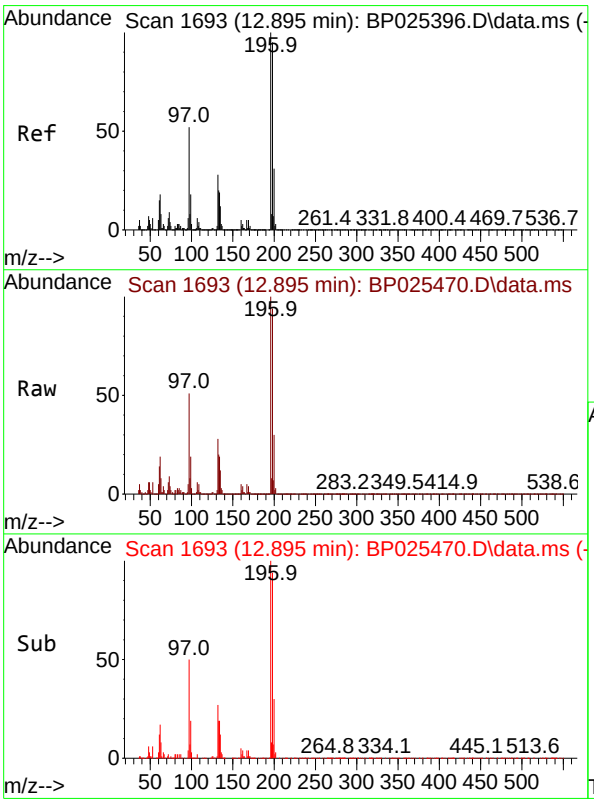
#43
2,4,6-Trichlorophenol
Concen: 41.018 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 339499

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.2	115.8
200	30.1	23.9	35.9

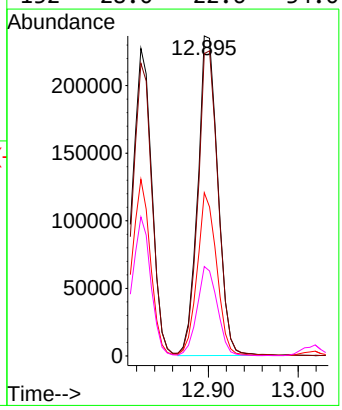


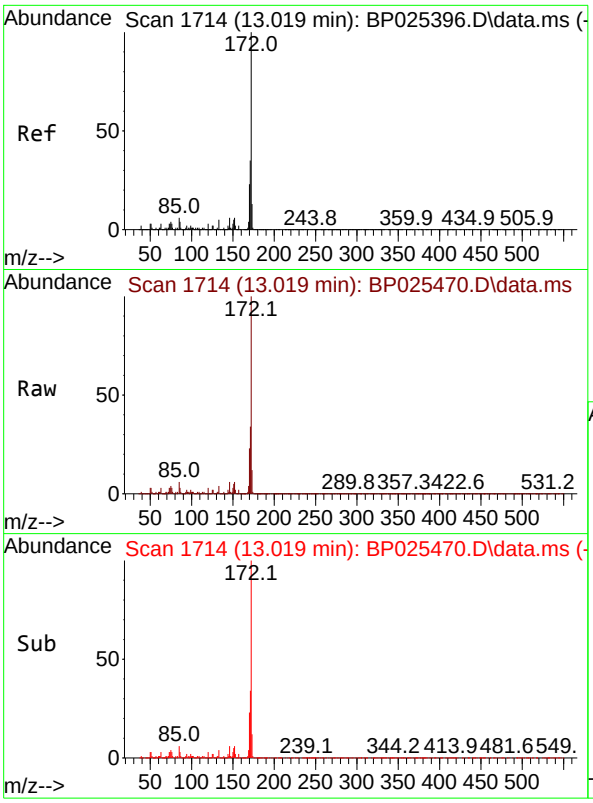


#44
2,4,5-Trichlorophenol
Concen: 40.597 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:196 Resp: 368261

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
97	51.0	41.2	61.8
132	28.0	22.6	34.0



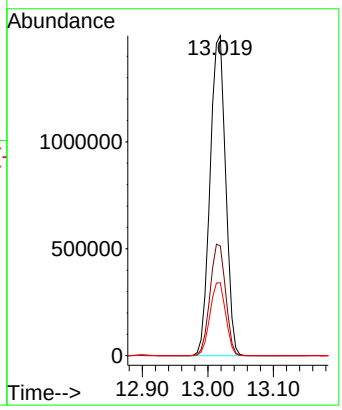


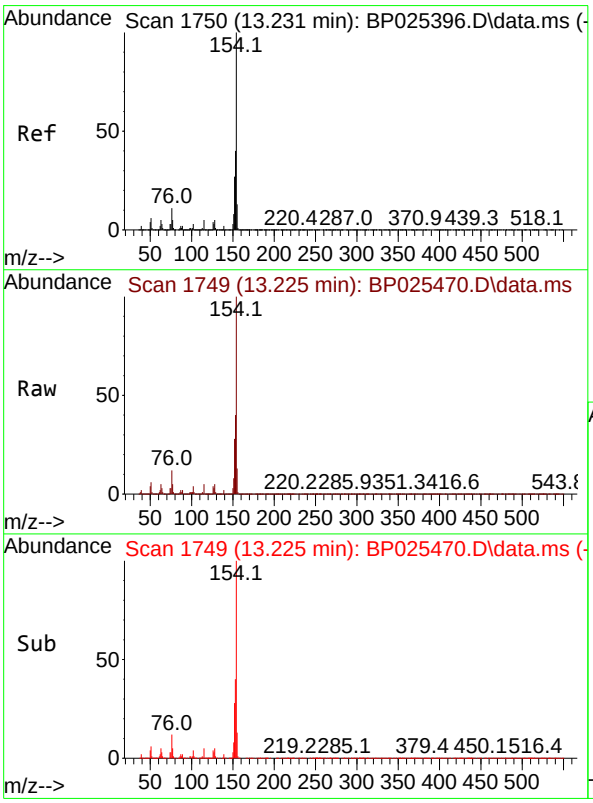
#45
2-Fluorobiphenyl
Concen: 79.181 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2459410

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.1	42.1
170	22.8	18.6	28.0

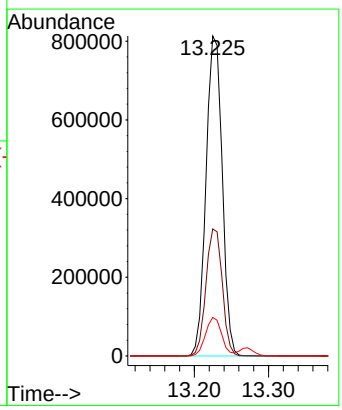


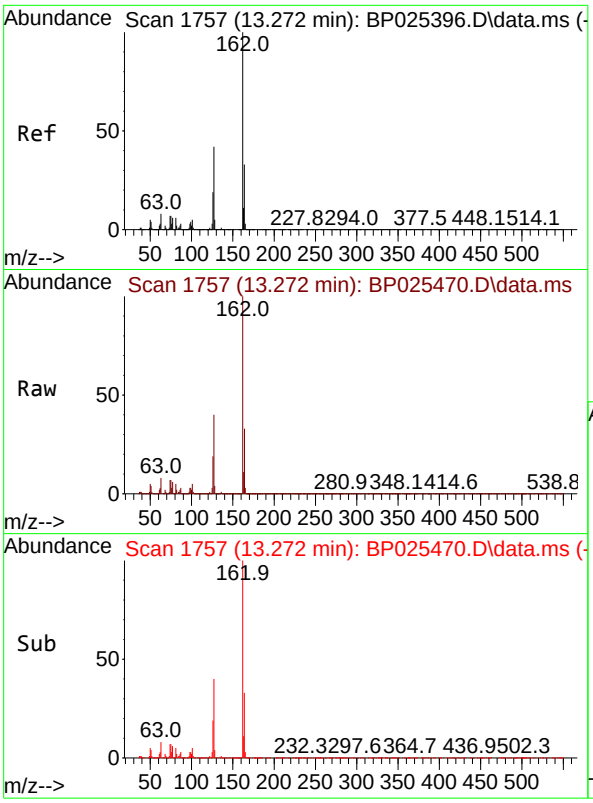


#46
1,1'-Biphenyl
Concen: 40.000 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:154 Resp: 1233177

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.5	59.5
76	12.0	0.0	31.1



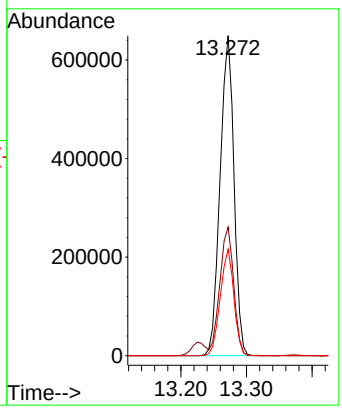


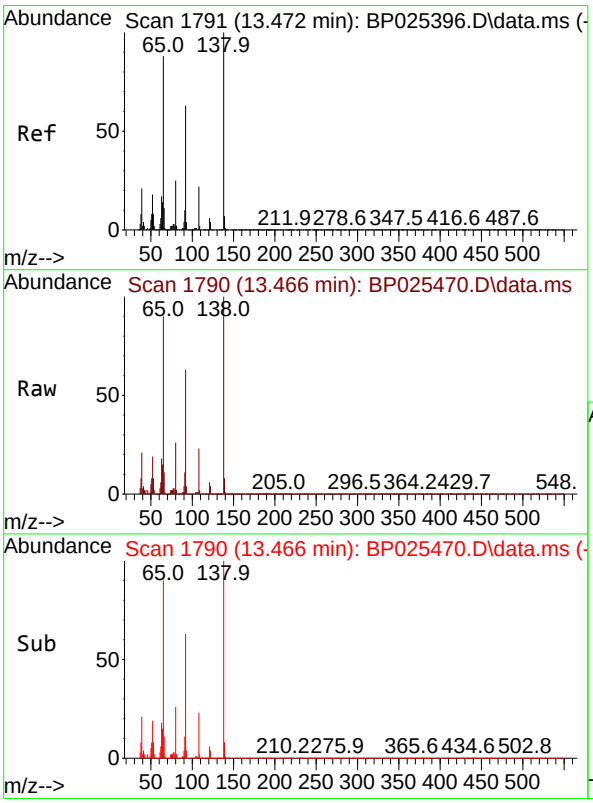
#47
2-Chloronaphthalene
Concen: 39.556 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 949372

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.4	50.2
164	33.3	26.2	39.2

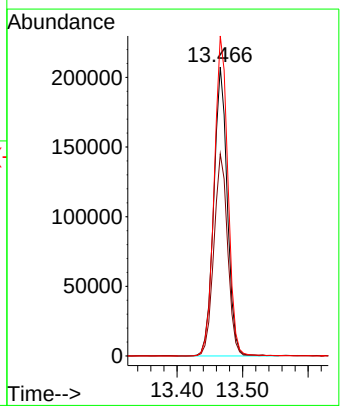


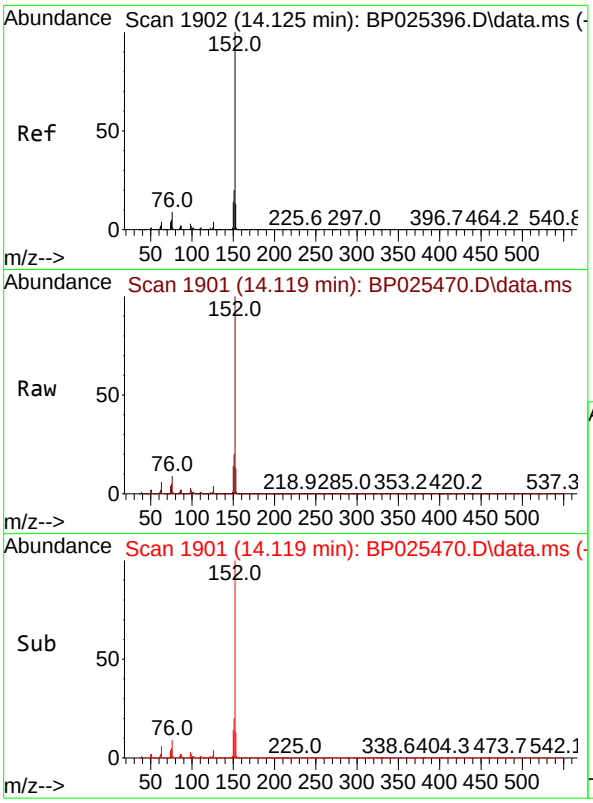


#48
2-Nitroaniline
Concen: 42.581 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion: 65 Resp: 297776

Ion	Ratio	Lower	Upper
65	100		
92	69.9	57.6	86.4
138	110.7	91.0	136.6



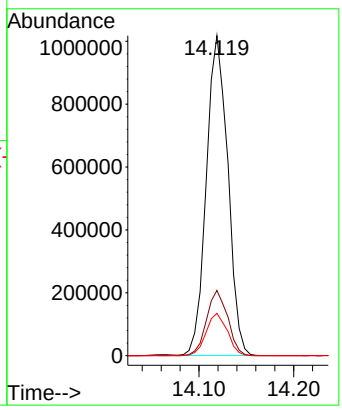


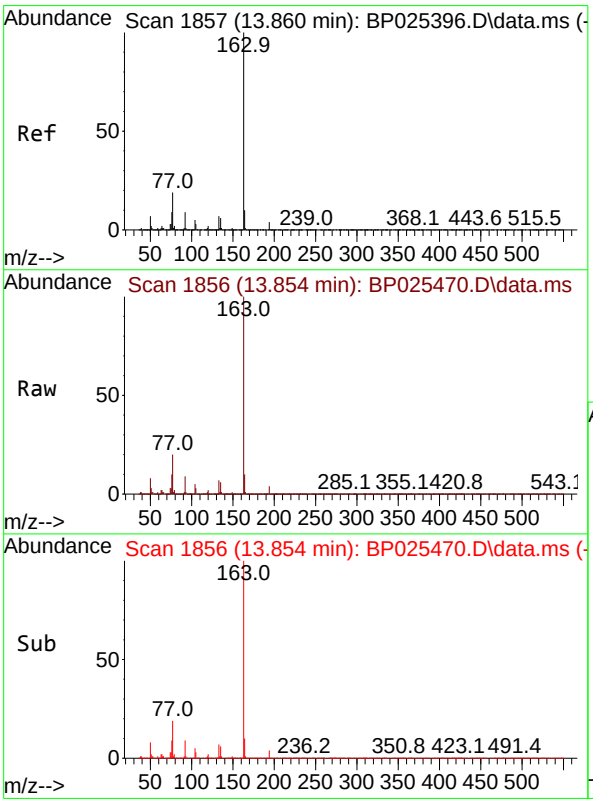
#49
Acenaphthylene
Concen: 40.322 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1601364

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.3	10.6	15.8

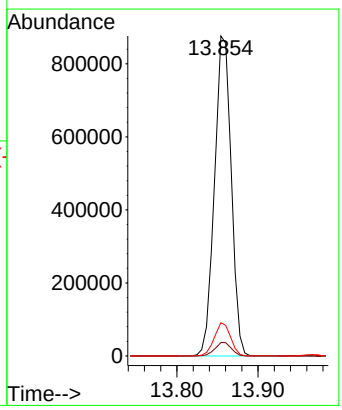


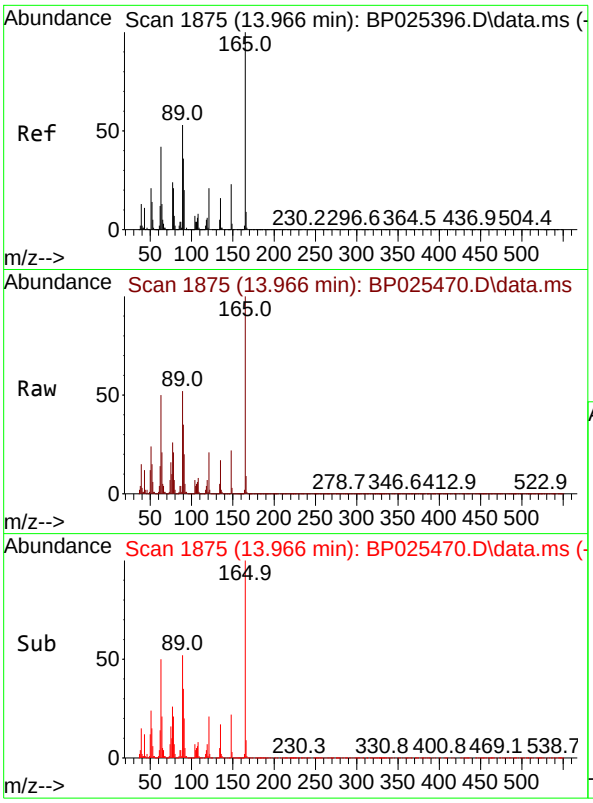


#50
Dimethylphthalate
Concen: 40.430 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:163 Resp: 1256809

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.4	7.9	11.9



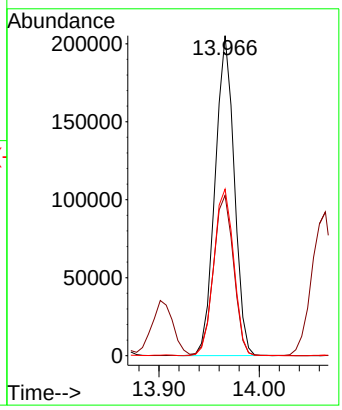


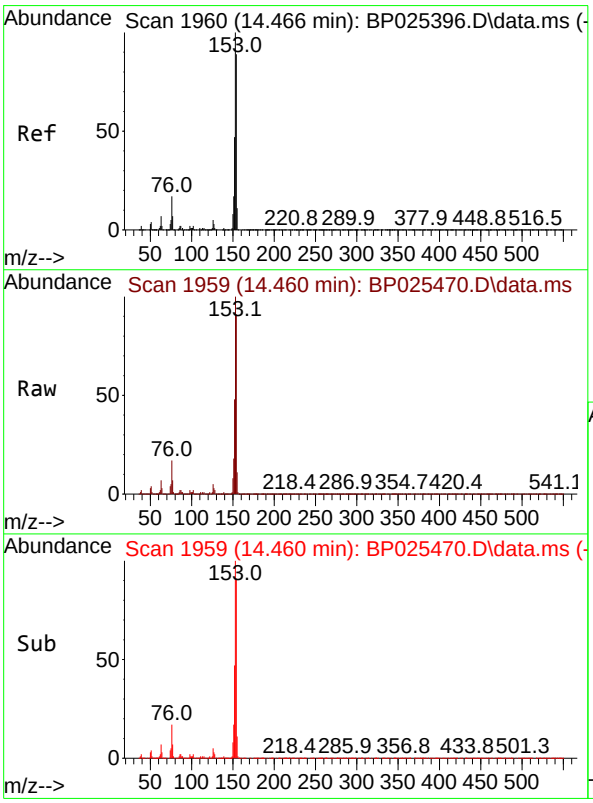
#51
2,6-Dinitrotoluene
Concen: 41.441 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 271520

Ion	Ratio	Lower	Upper
165	100		
63	50.1	40.9	61.3
89	52.1	42.1	63.1

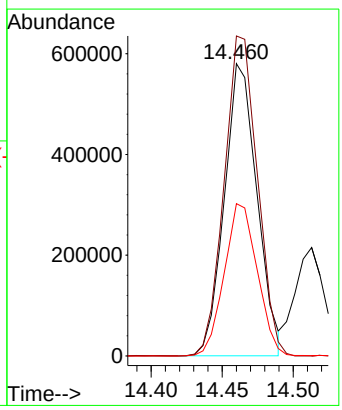


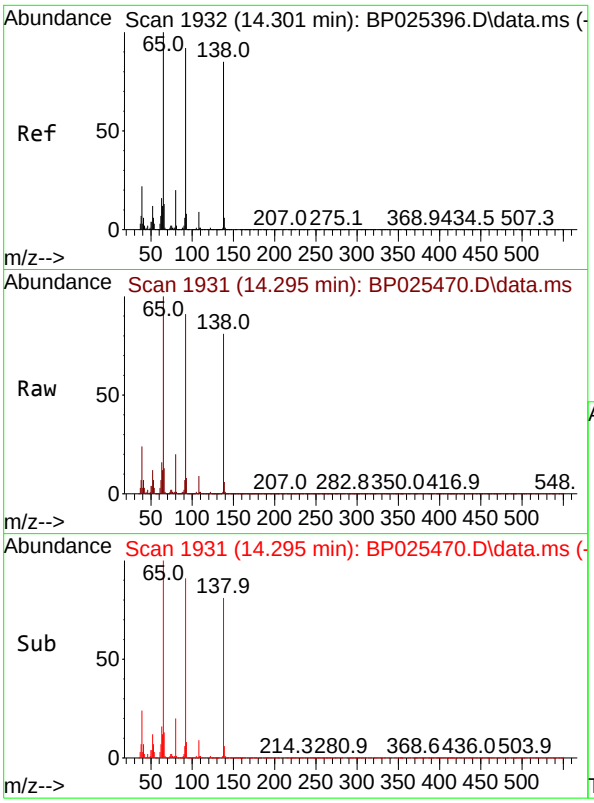


#52
Acenaphthene
Concen: 39.829 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:154 Resp: 928473

Ion	Ratio	Lower	Upper
154	100		
153	109.5	90.2	135.2
152	52.1	42.1	63.1



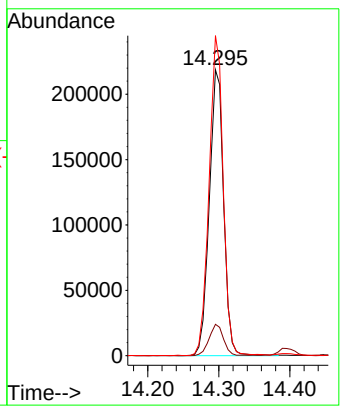


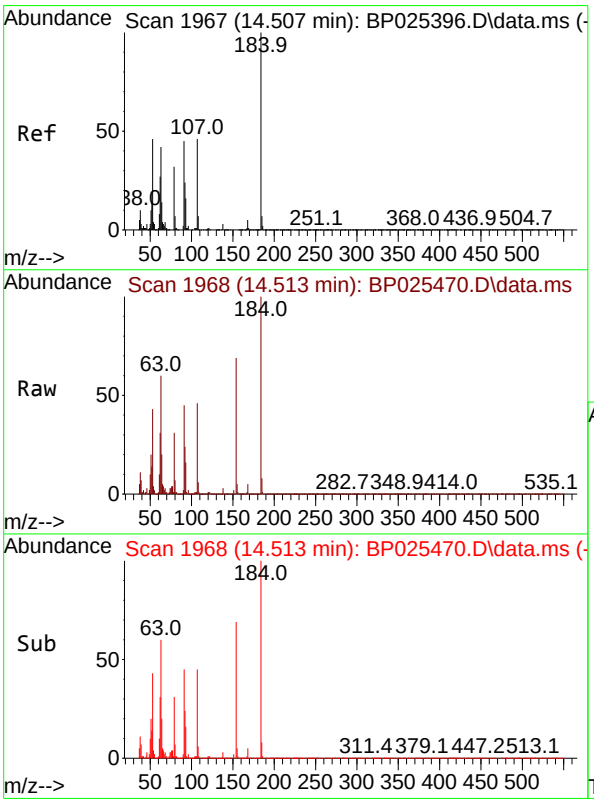
#53
3-Nitroaniline
Concen: 41.575 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 306476

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.3	12.5
92	112.0	86.2	129.2

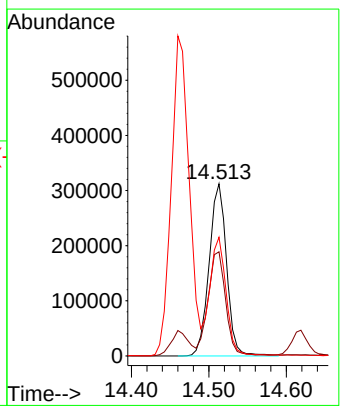


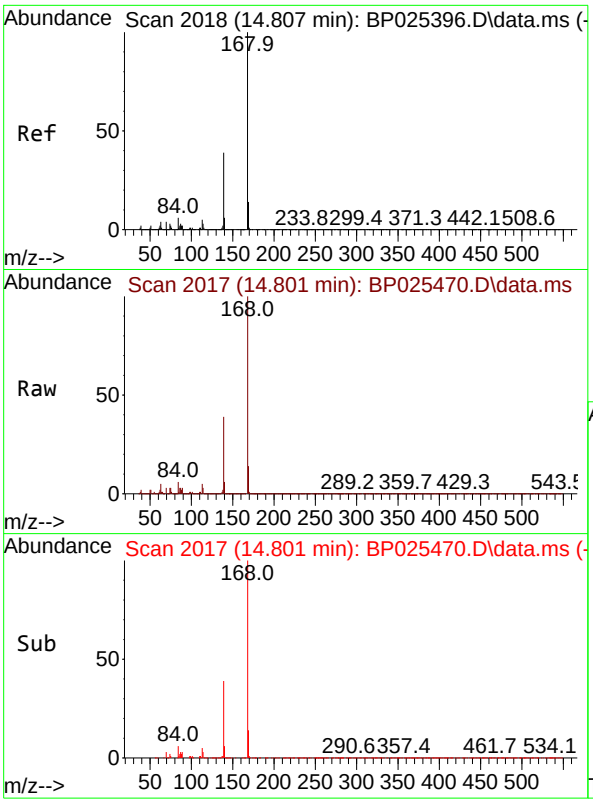


#54
2,4-Dinitrophenol
Concen: 139.827 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:184 Resp: 489247

Ion	Ratio	Lower	Upper
184	100		
63	60.5	49.4	74.2
154	68.9	54.6	82.0



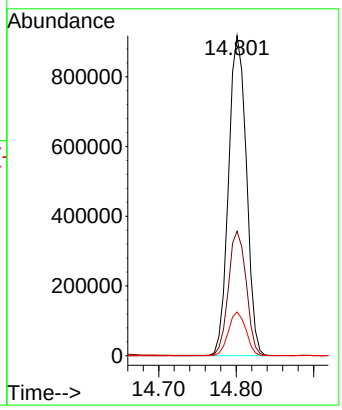


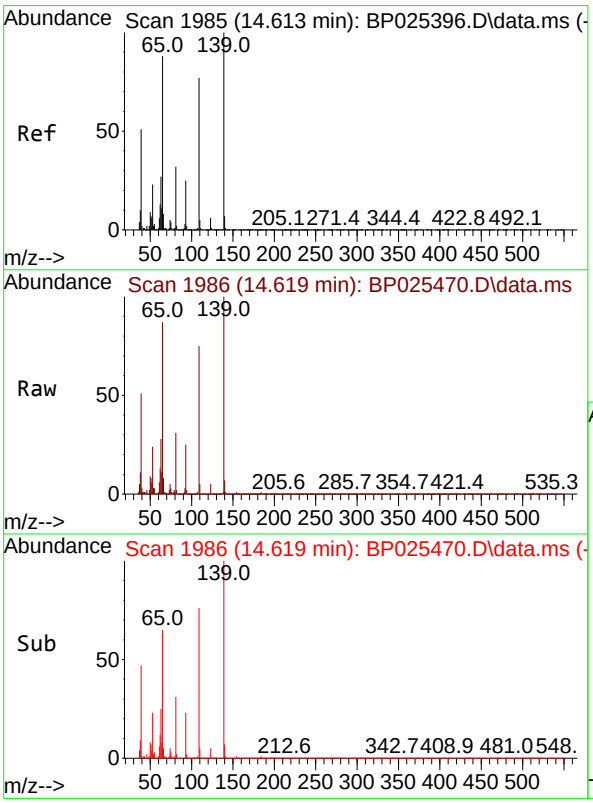
#55
Dibenzofuran
Concen: 39.788 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1466415

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.5	47.3
169	13.6	10.9	16.3

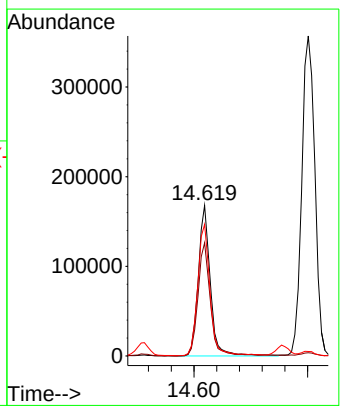


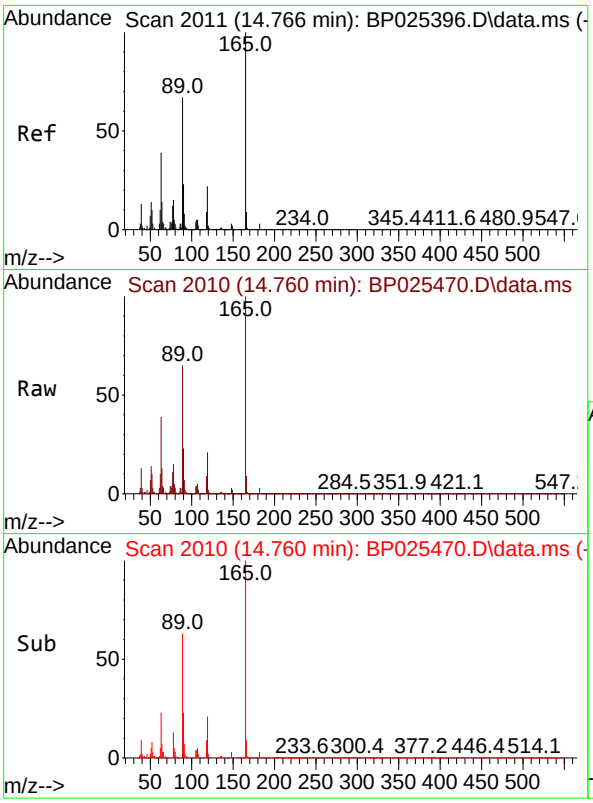


#56
4-Nitrophenol
Concen: 40.915 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:139 Resp: 247845

Ion	Ratio	Lower	Upper
139	100		
109	75.2	56.6	96.6
65	87.3	68.2	108.2



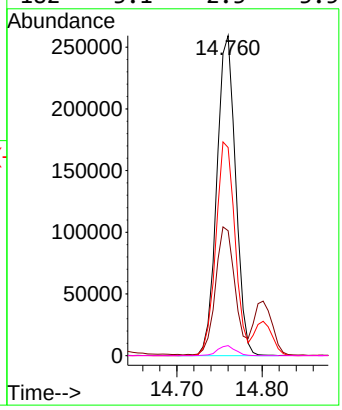


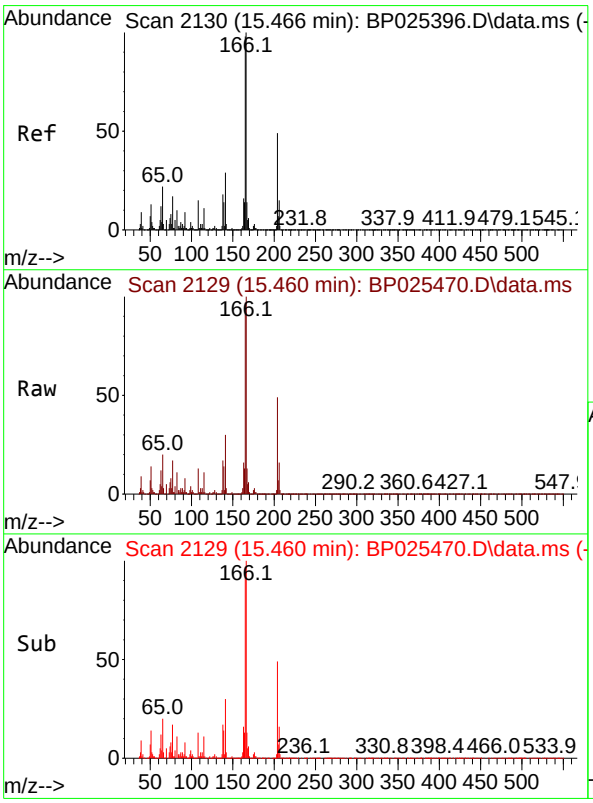
#57
2,4-Dinitrotoluene
Concen: 42.517 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 397449

Ion	Ratio	Lower	Upper
165	100		
63	39.1	31.4	47.2
89	65.0	53.3	79.9
182	3.1	2.3	3.5

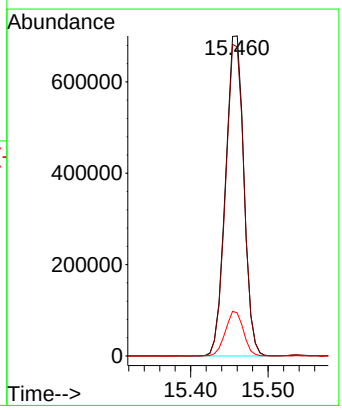


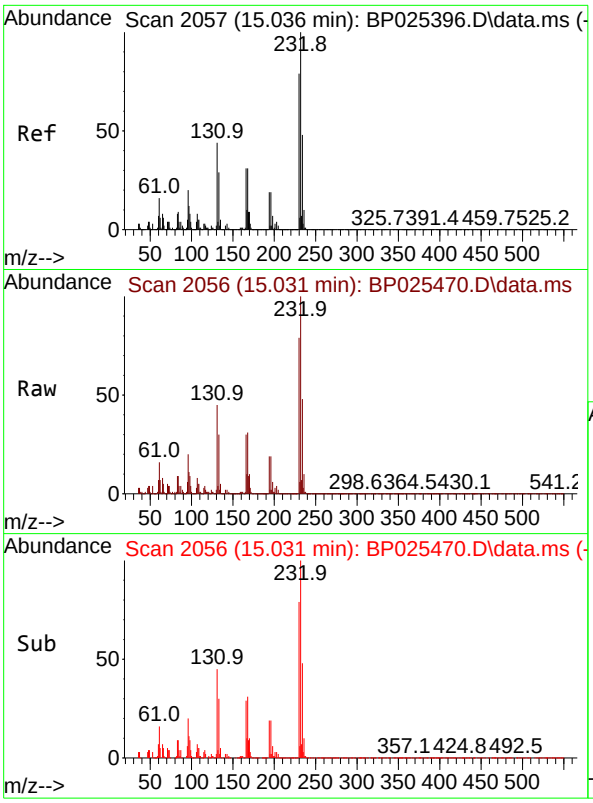


#58
Fluorene
Concen: 39.664 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:166 Resp: 1153488

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	13.5	11.0	16.4



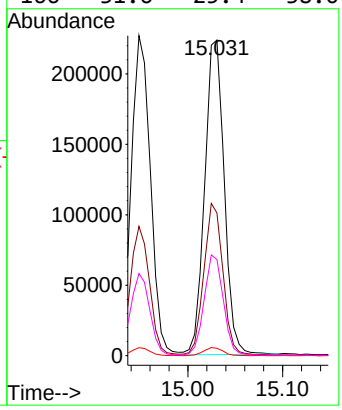


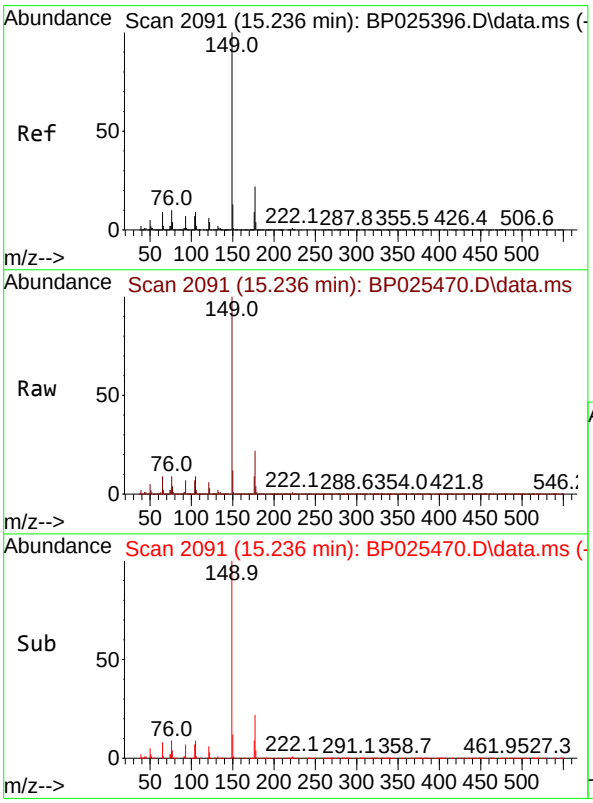
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.893 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 319534

Ion	Ratio	Lower	Upper
232	100		
131	47.1	37.0	55.6
130	2.6	1.9	2.9
166	31.6	25.4	38.0

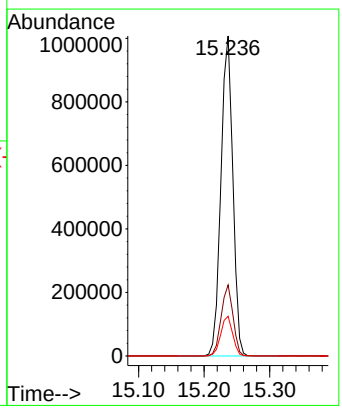


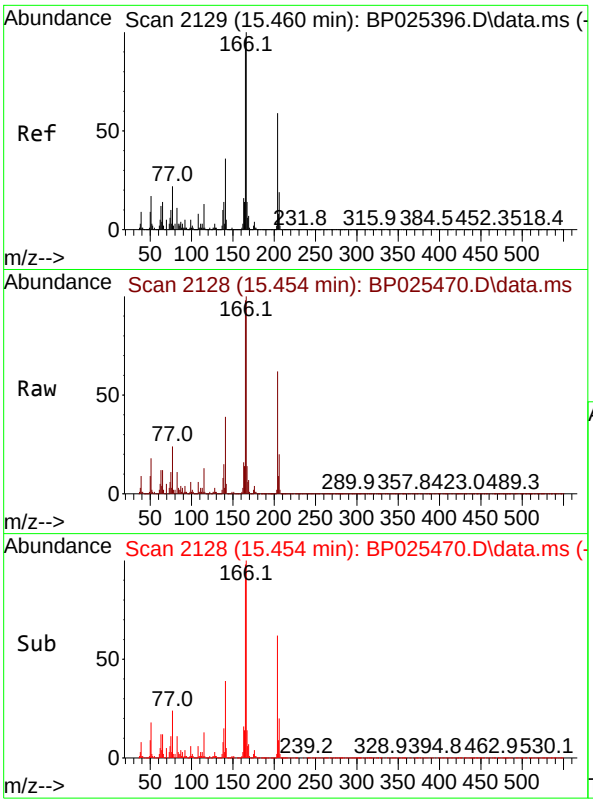


#60
Diethylphthalate
Concen: 39.974 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 1262633

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.3	25.9
150	12.4	10.3	15.5



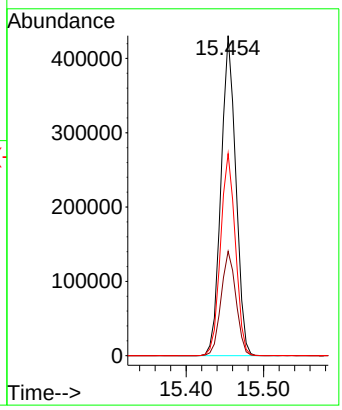


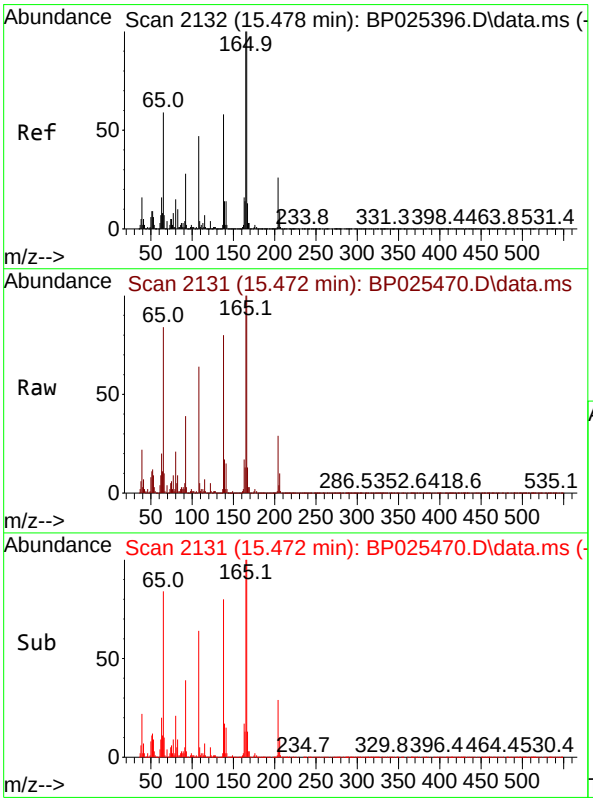
#61
4-Chlorophenyl-phenylether
Concen: 39.536 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 571831

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	63.2	49.4	74.2

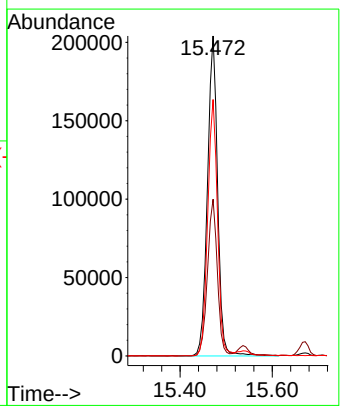


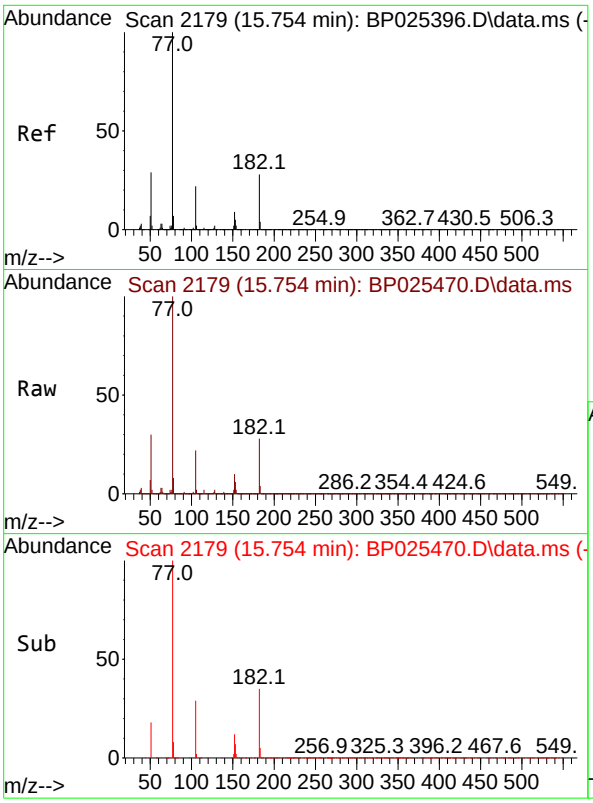


#62
4-Nitroaniline
Concen: 41.774 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:138 Resp: 315690

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.1	69.1
108	80.2	61.5	101.5



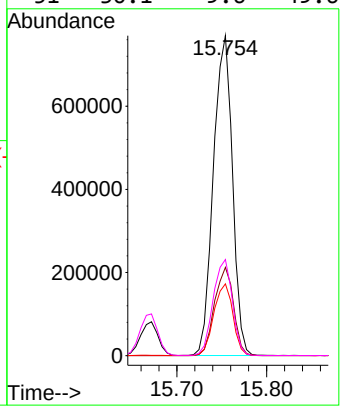


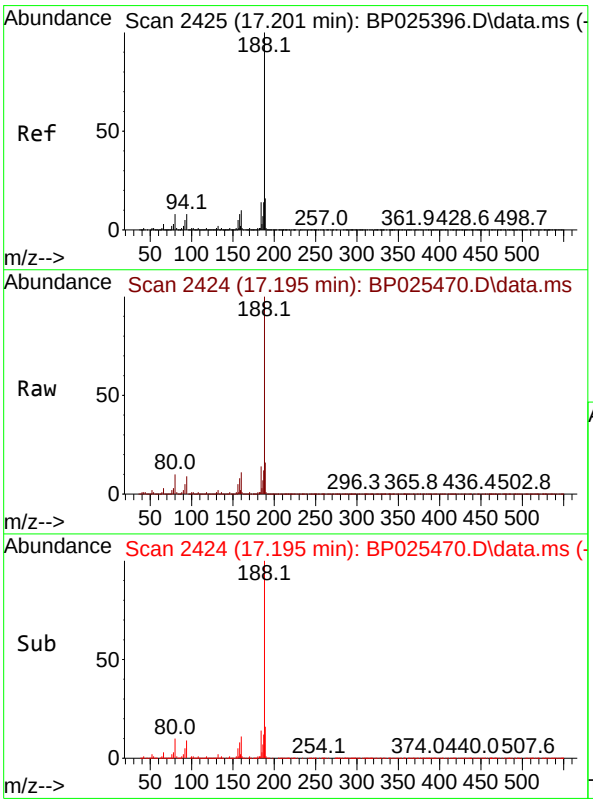
#63
Azobenzene
Concen: 41.912 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1133555

Ion	Ratio	Lower	Upper
77	100		
182	27.6	7.5	47.5
105	22.5	2.1	42.1
51	30.1	9.6	49.6

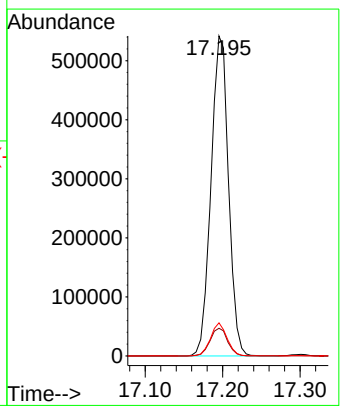


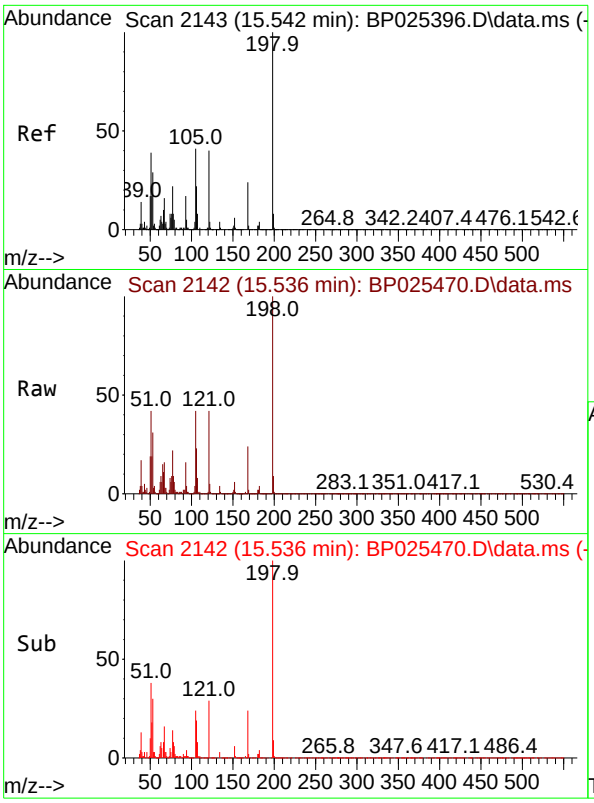


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:188 Resp: 850052

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	10.4	6.7	10.1#



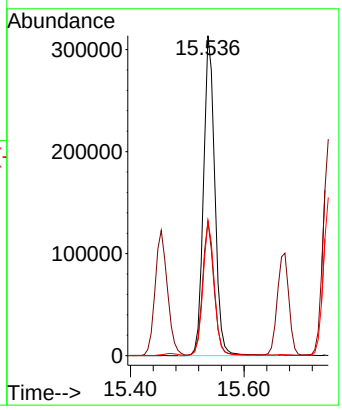


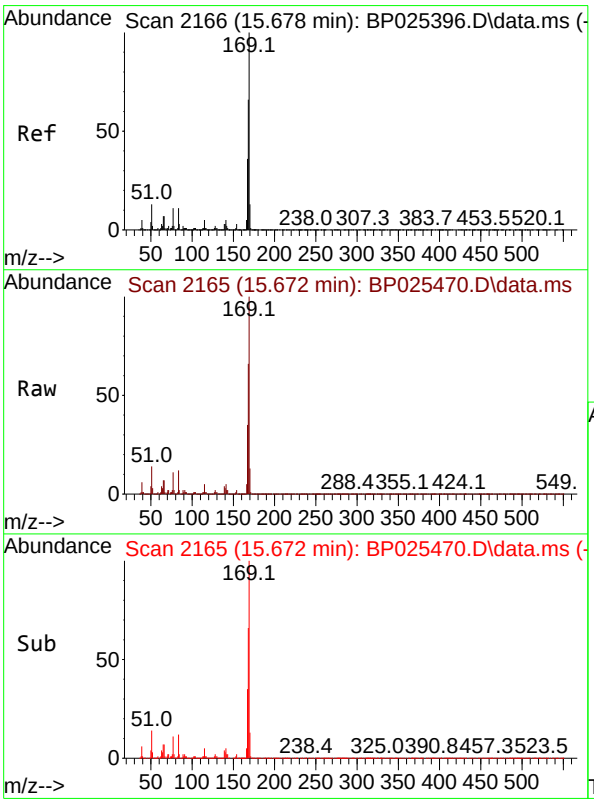
#65
4,6-Dinitro-2-methylphenol
Concen: 81.708 ng
RT: 15.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 432956

Ion	Ratio	Lower	Upper
198	100		
51	42.1	19.6	59.6
105	42.0	20.9	60.9

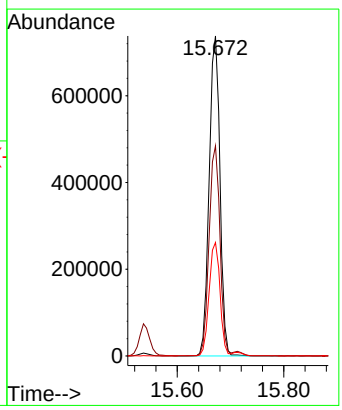


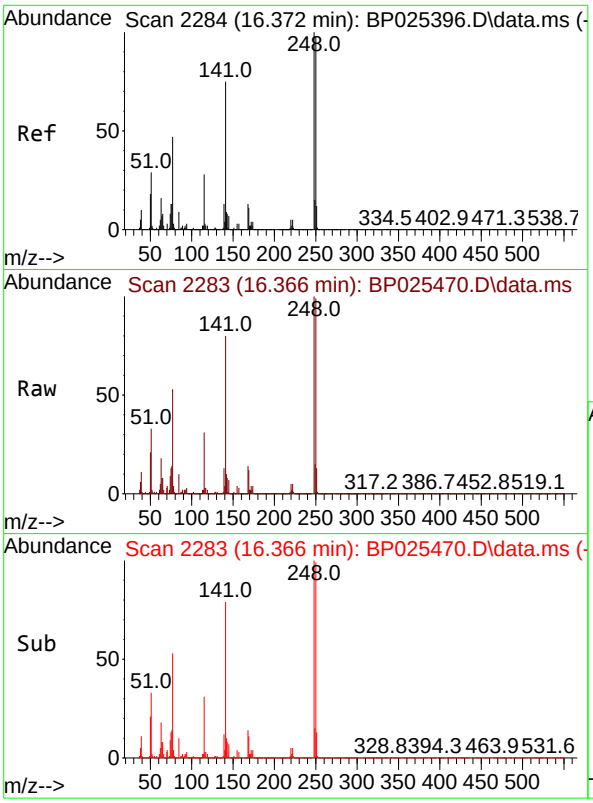


#66
n-Nitrosodiphenylamine
Concen: 39.858 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:169 Resp: 1033192

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.5	28.7	43.1



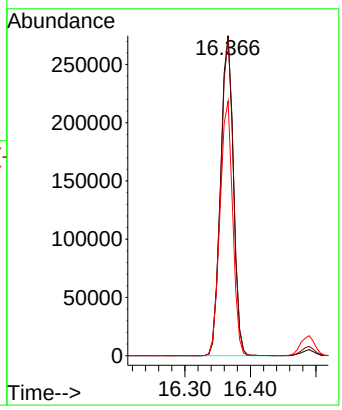


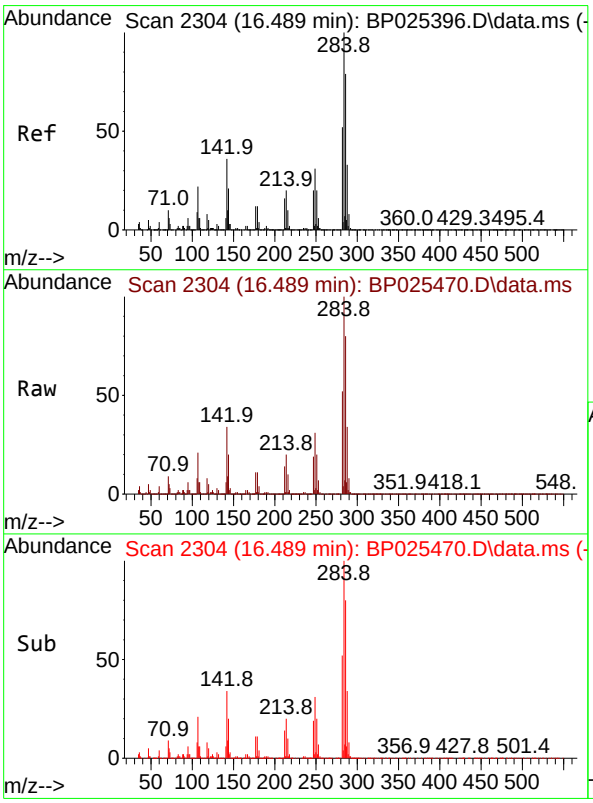
#67
4-Bromophenyl-phenylether
Concen: 39.458 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 368889

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.2
141	79.6	59.6	89.4

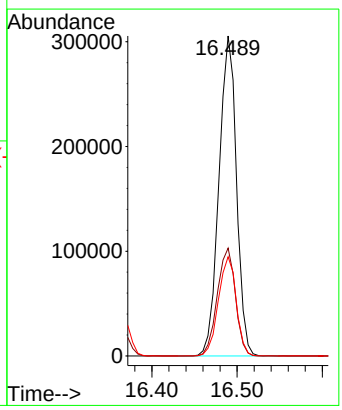


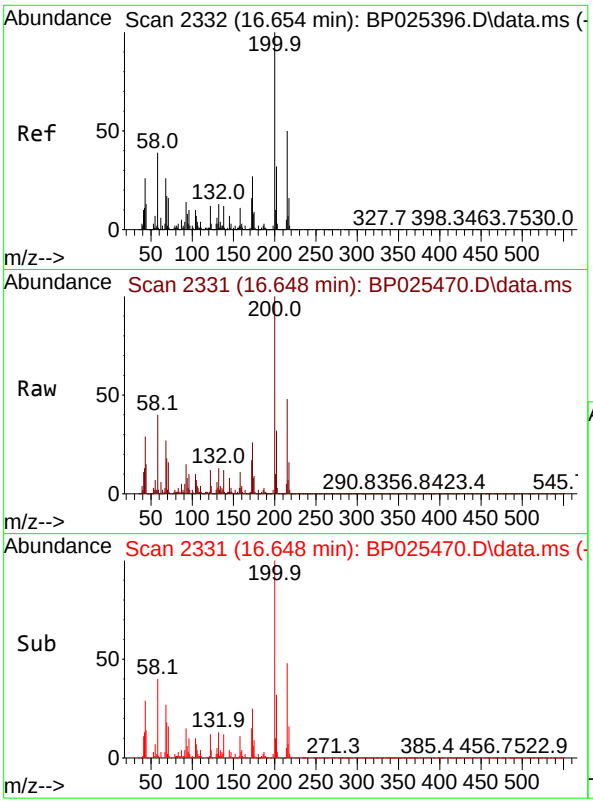


#68
Hexachlorobenzene
Concen: 40.251 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:284 Resp: 436215

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.1	43.7
249	31.0	25.0	37.4



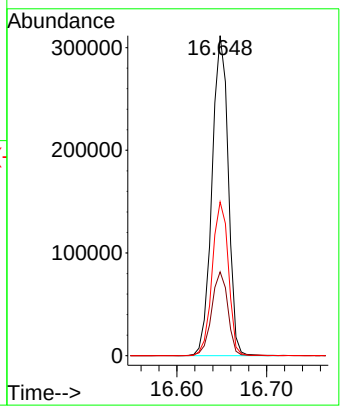


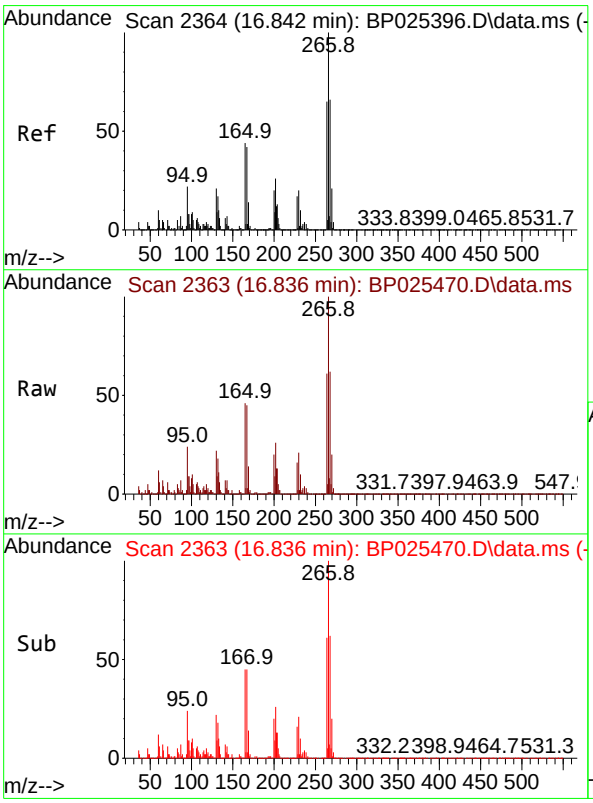
#69
Atrazine
Concen: 40.298 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 391199

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	48.1	29.7	69.7

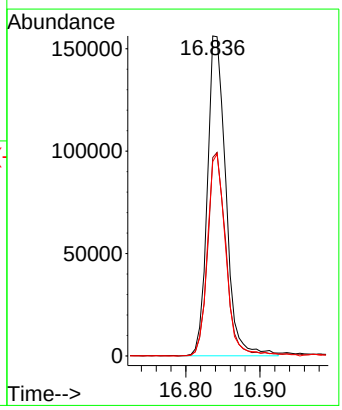


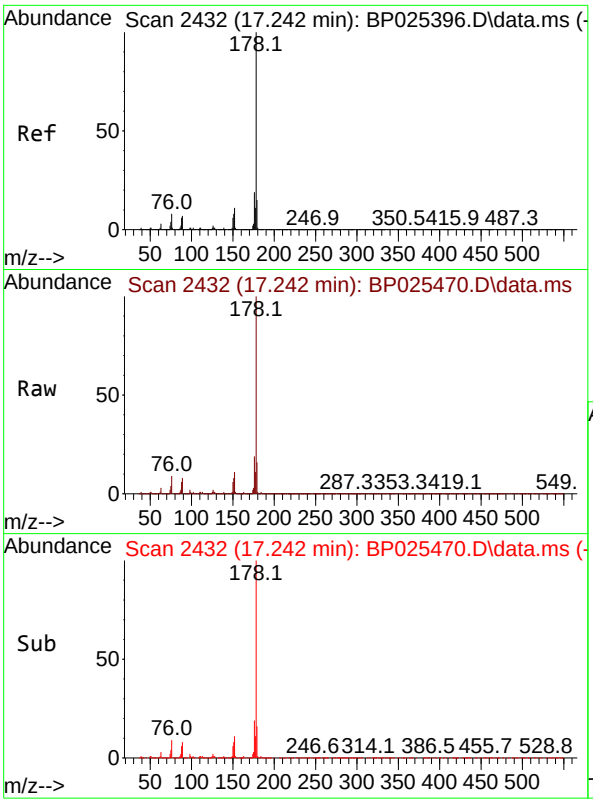


#70
Pentachlorophenol
Concen: 39.549 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:266 Resp: 270563

Ion	Ratio	Lower	Upper
266	100		
268	62.0	52.6	79.0
264	60.8	52.0	78.0



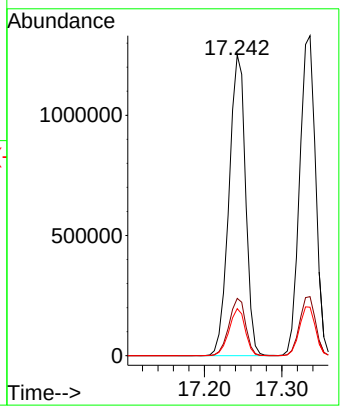


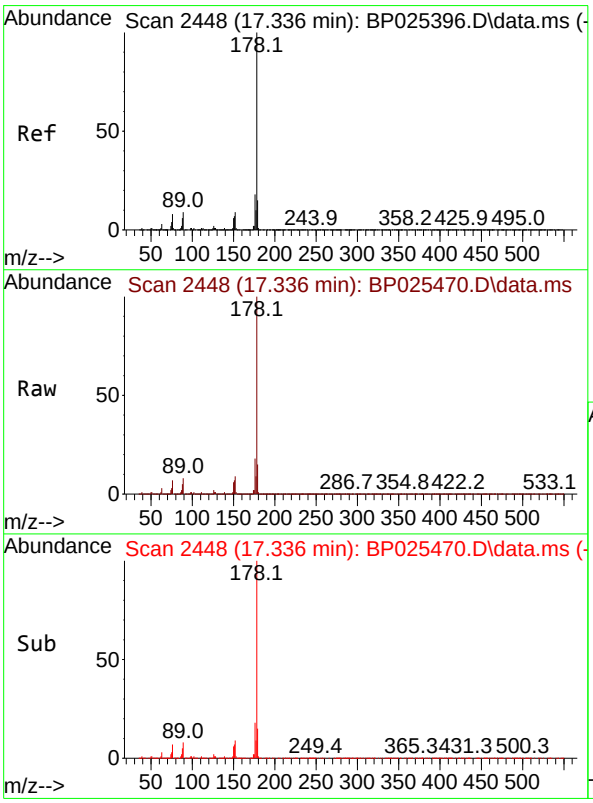
#71
Phenanthrene
Concen: 39.881 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1862283

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.7	12.2	18.4

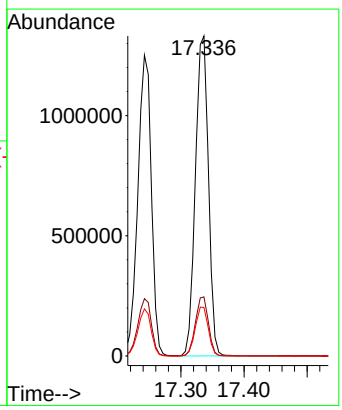


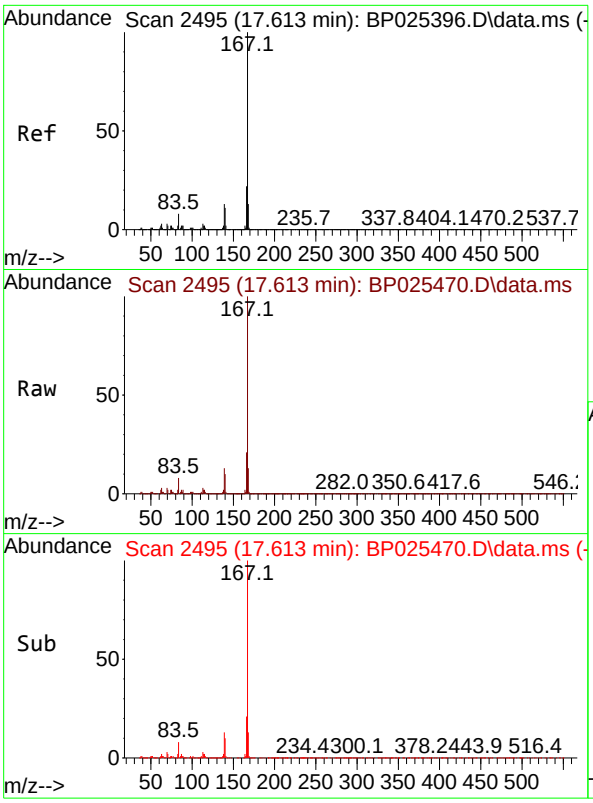


#72
Anthracene
Concen: 39.998 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:178 Resp: 1907331

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.2



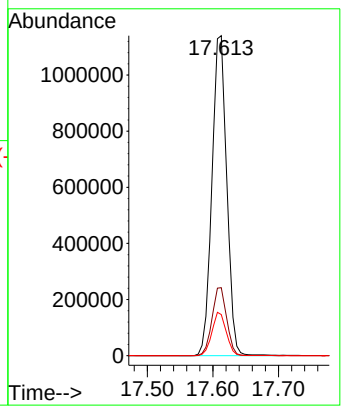


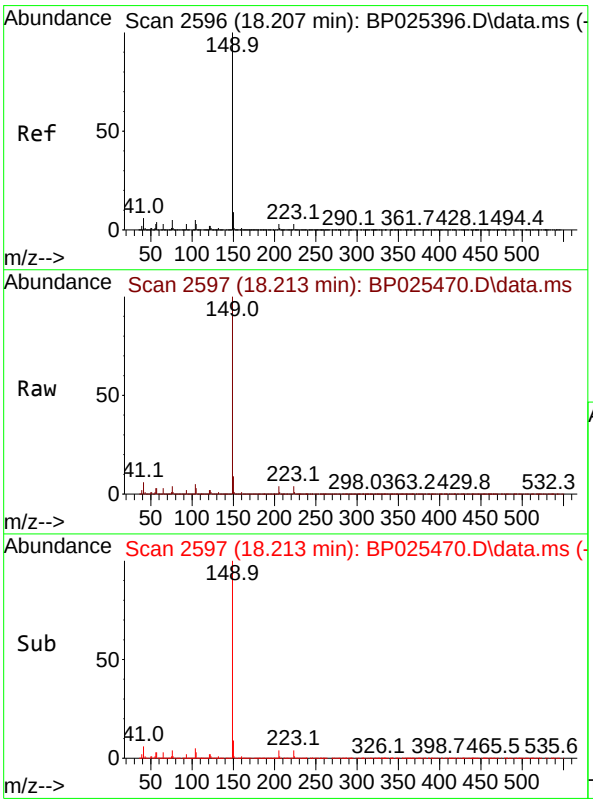
#73
Carbazole
Concen: 39.727 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1784377

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	12.9	10.6	16.0

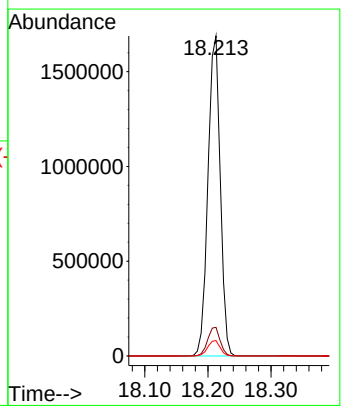


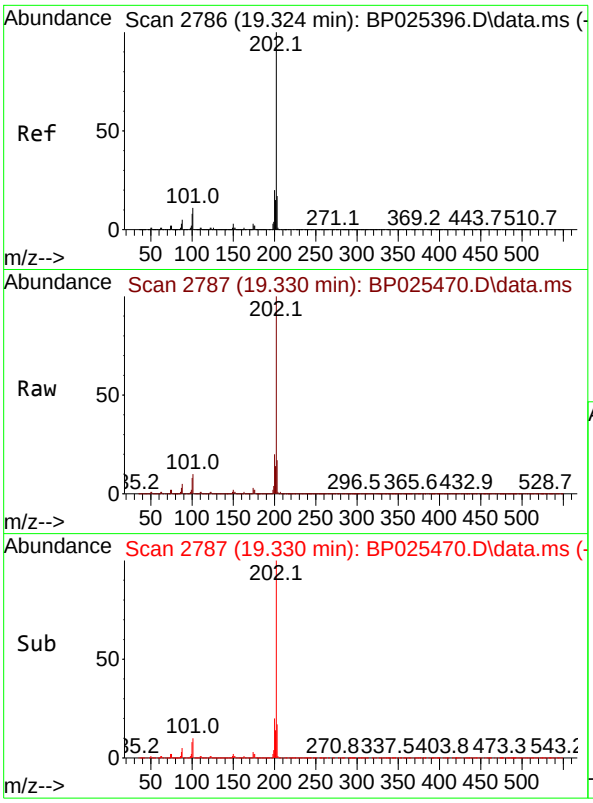


#74
Di-n-butylphthalate
Concen: 41.367 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 2286022

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.8	4.2	6.2



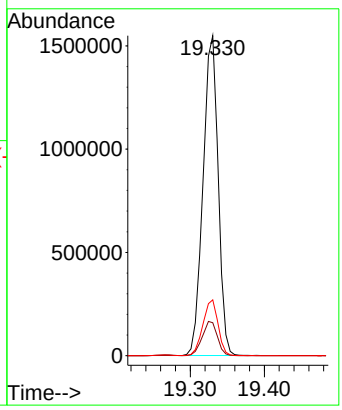


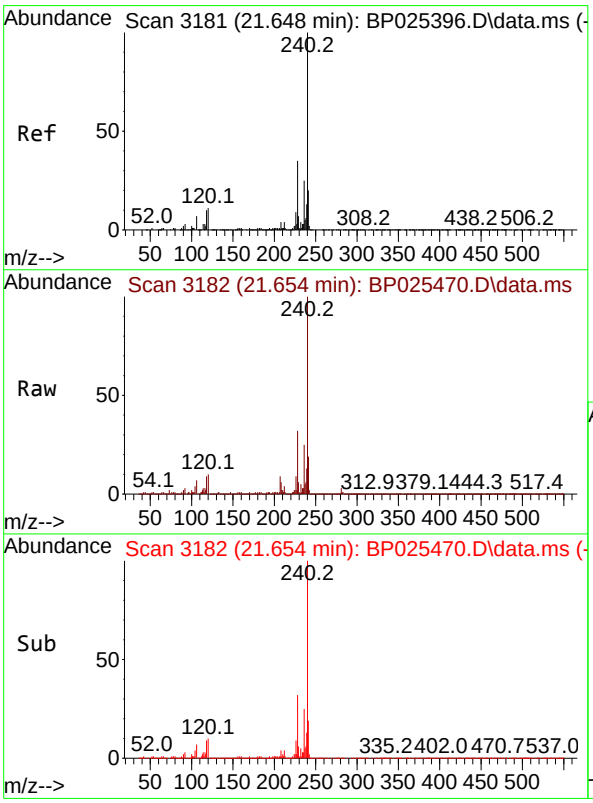
#75
Fluoranthene
Concen: 39.397 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2194437

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.5	0.0	37.3

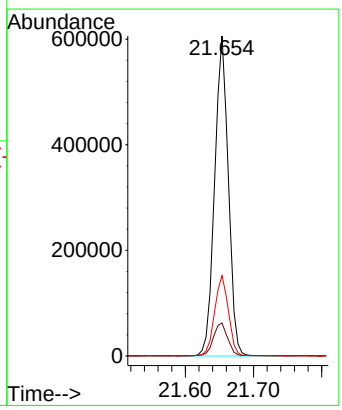


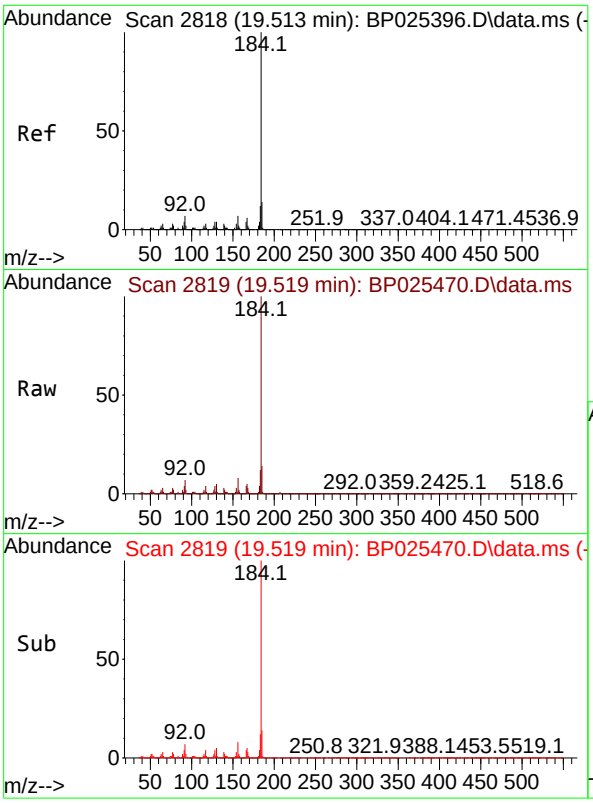


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:240 Resp: 848020

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.1	19.8	29.8



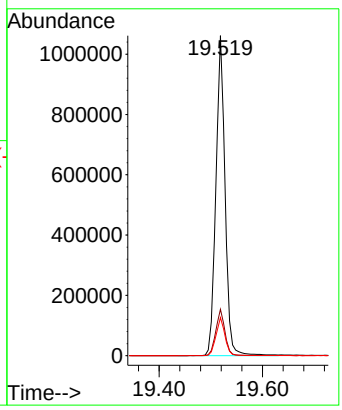


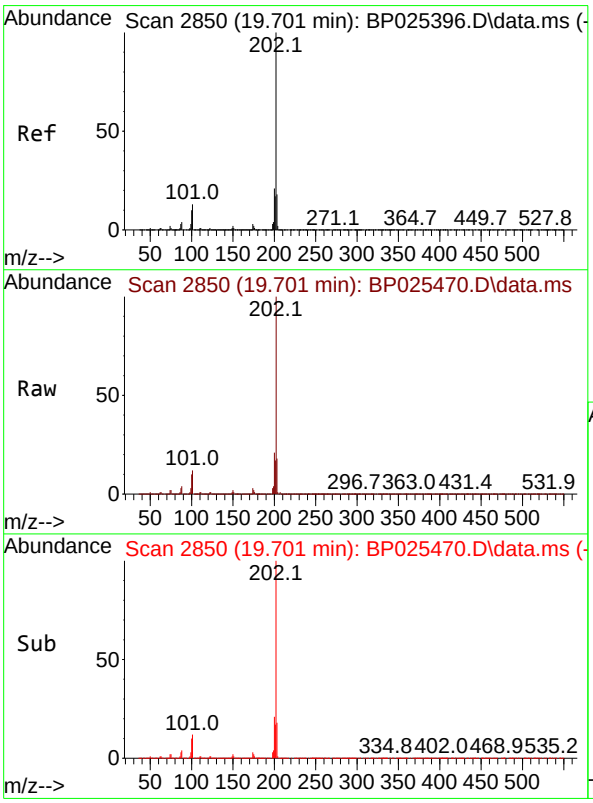
#77
Benzidine
Concen: 45.160 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1306974

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.9	9.4	14.2

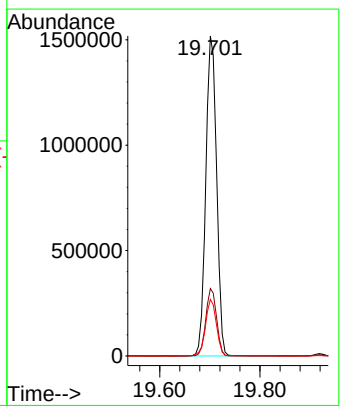


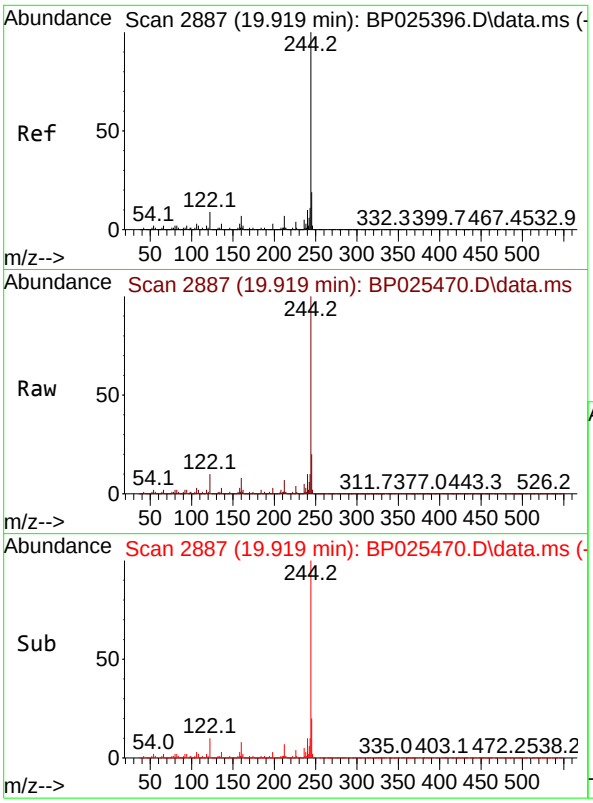


#78
Pyrene
Concen: 41.296 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:202 Resp: 2276181

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.6	14.2	21.2



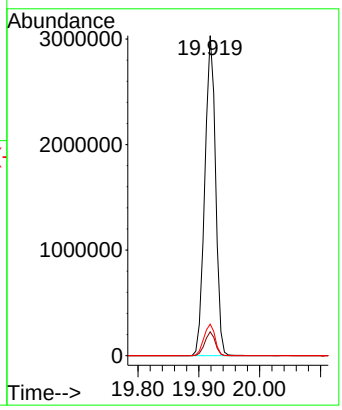


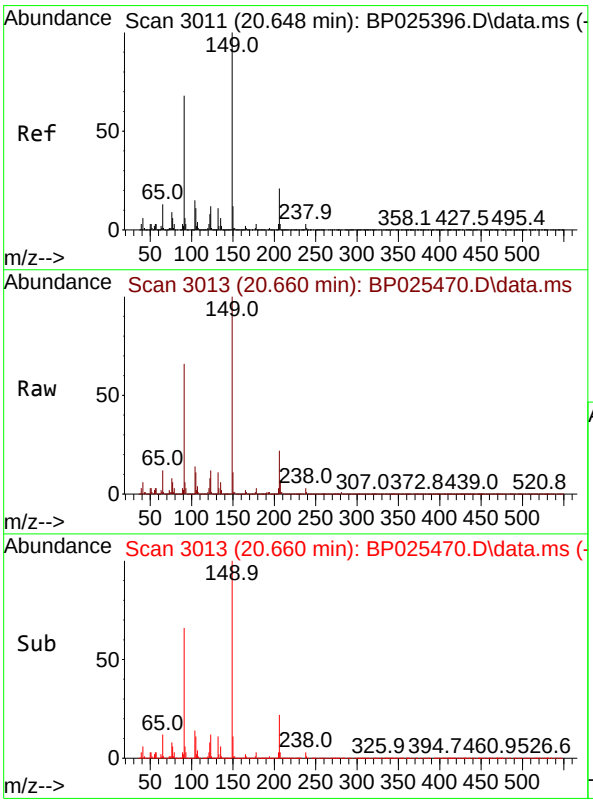
#79
Terphenyl-d14
Concen: 79.985 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3707367

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.4	11.2

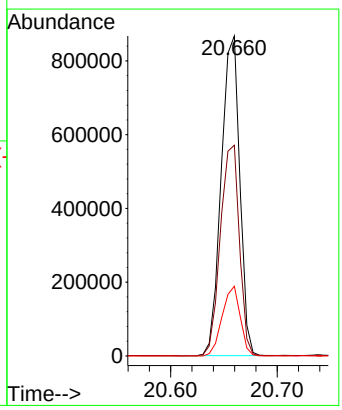


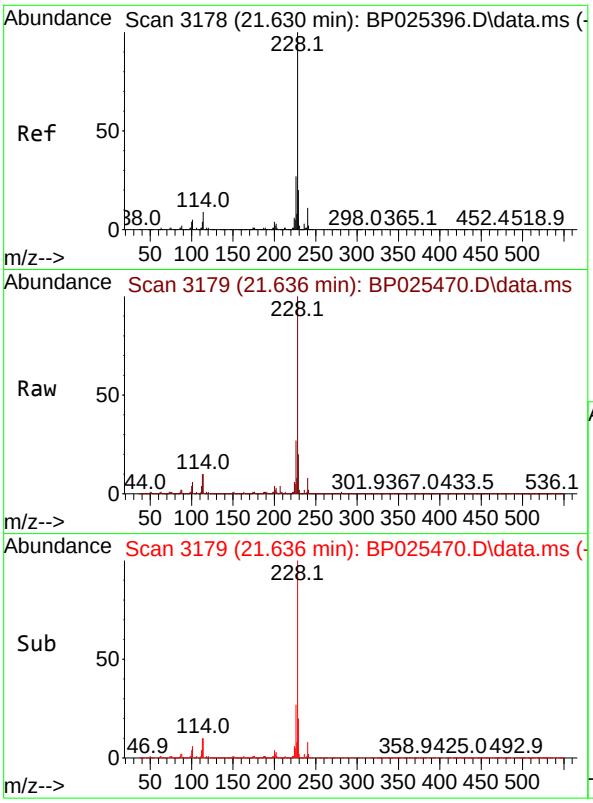


#80
Butylbenzylphthalate
Concen: 41.807 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 1044362

Ion	Ratio	Lower	Upper
149	100		
91	65.8	54.2	81.2
206	21.8	16.6	24.8



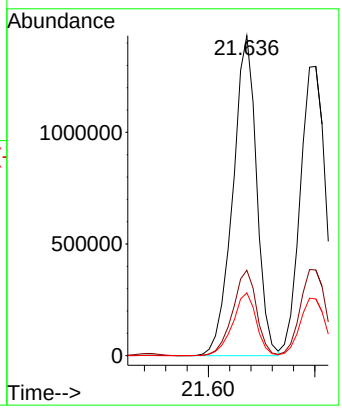


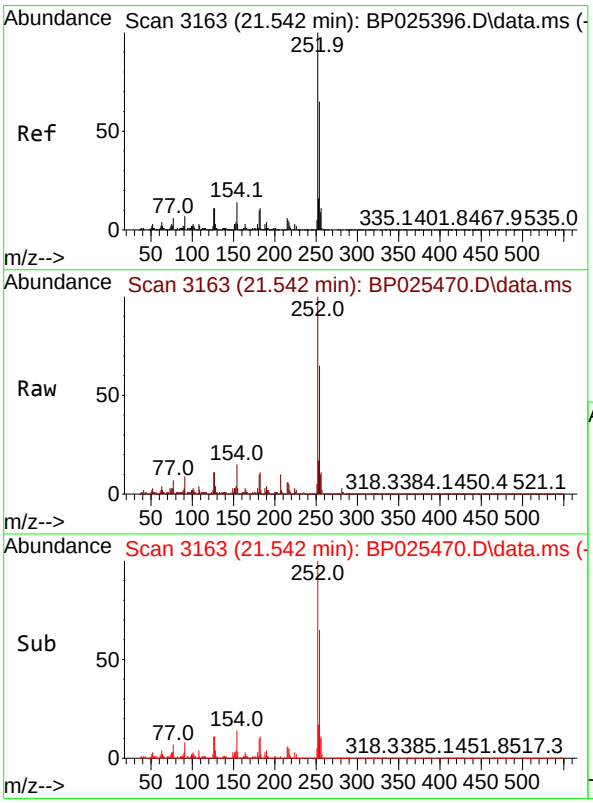
#81
Benzo(a)anthracene
Concen: 39.644 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2217188

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.7	32.5
229	19.7	15.6	23.4

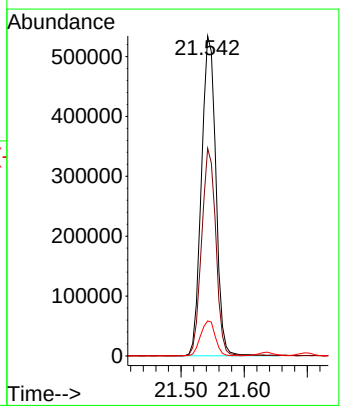


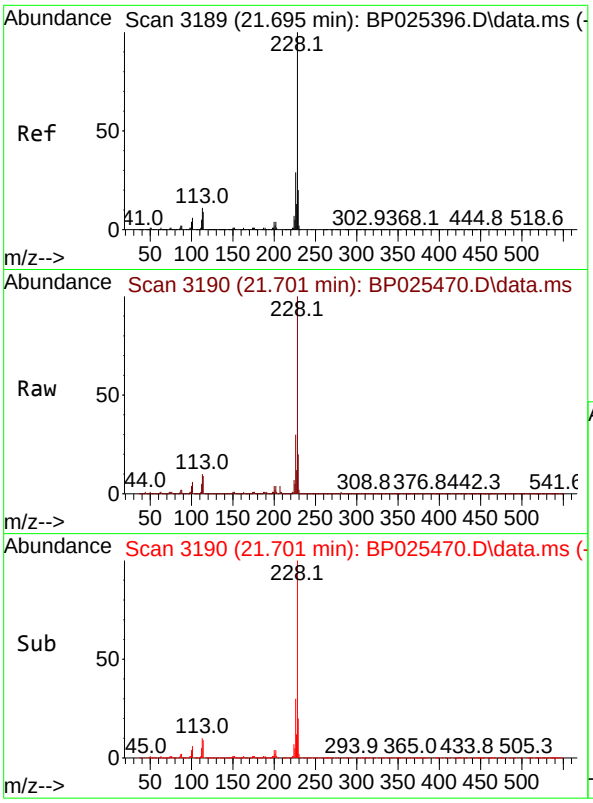


#82
3,3'-Dichlorobenzidine
Concen: 40.253 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:252 Resp: 848549

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	11.0	9.1	13.7



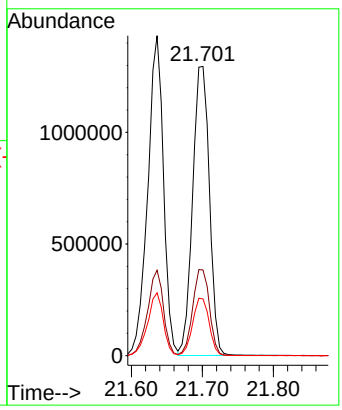


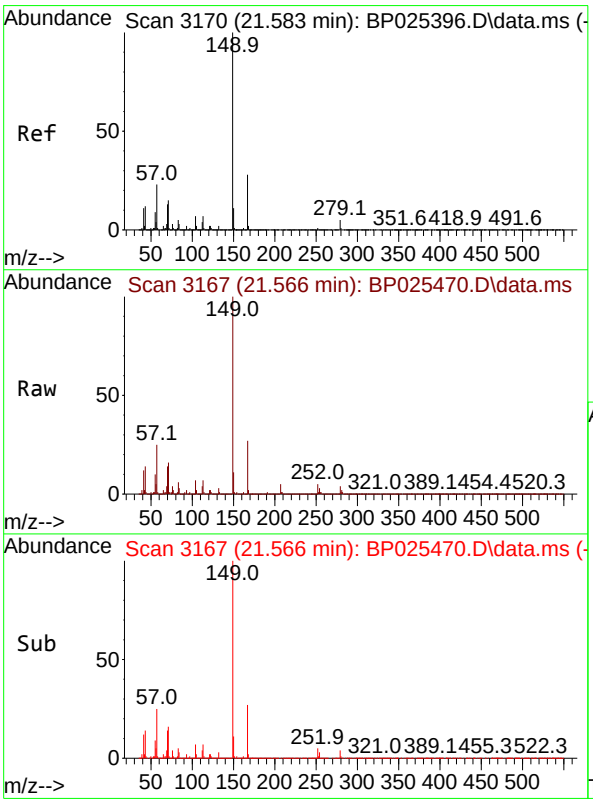
#83
Chrysene
Concen: 40.684 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2130864

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.6	15.6	23.4

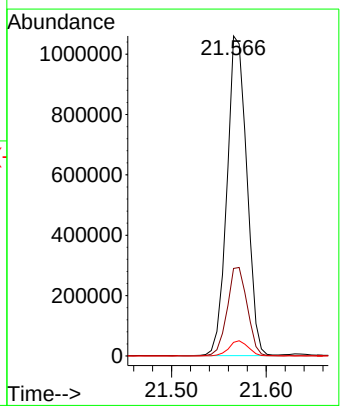


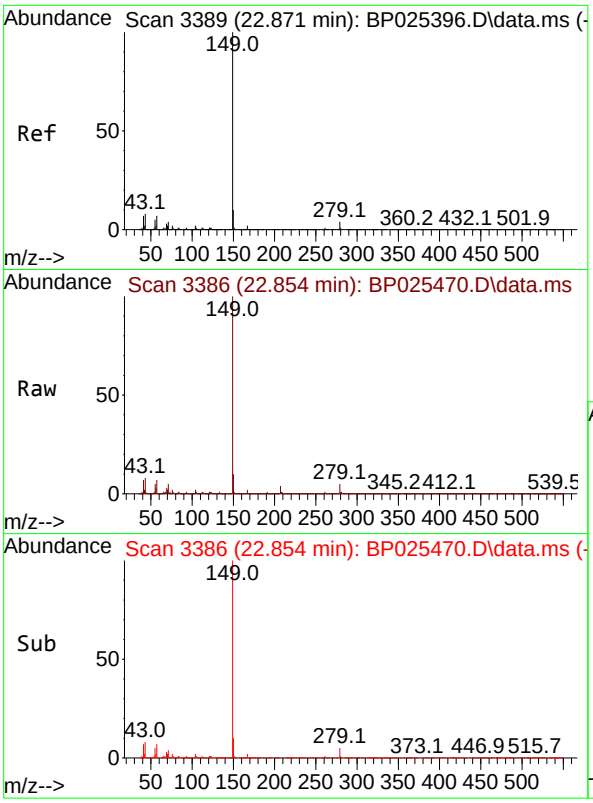


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.834 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:149 Resp: 1538326

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.3	3.8	5.6



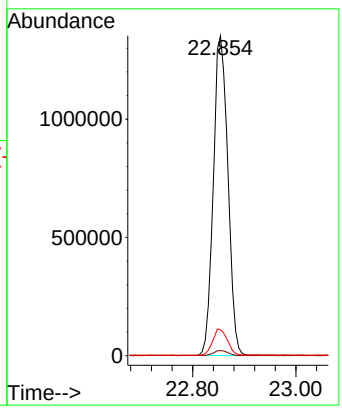


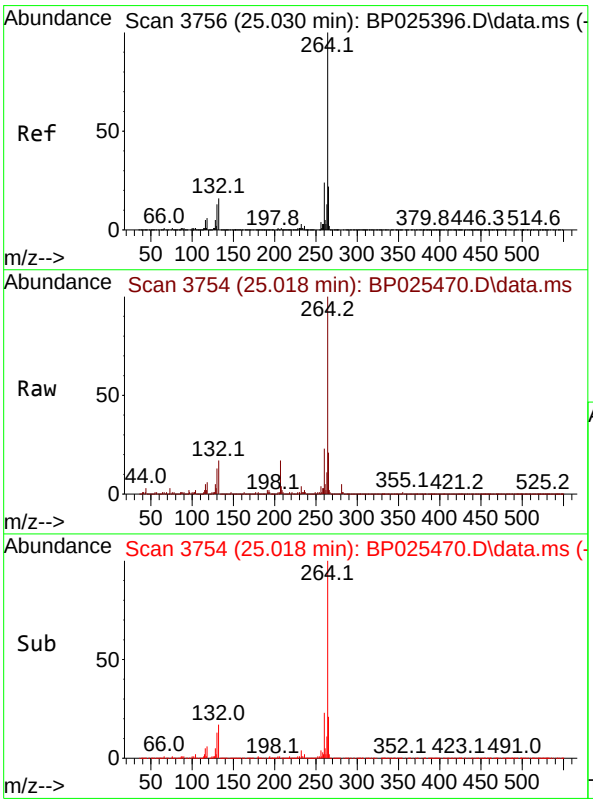
#85
Di-n-octyl phthalate
Concen: 41.781 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2642675

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5

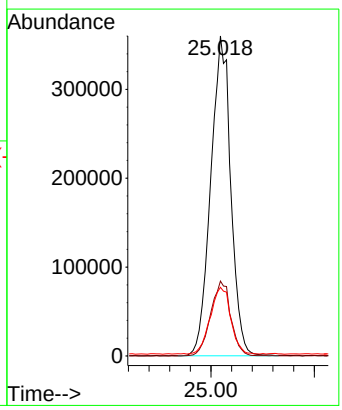


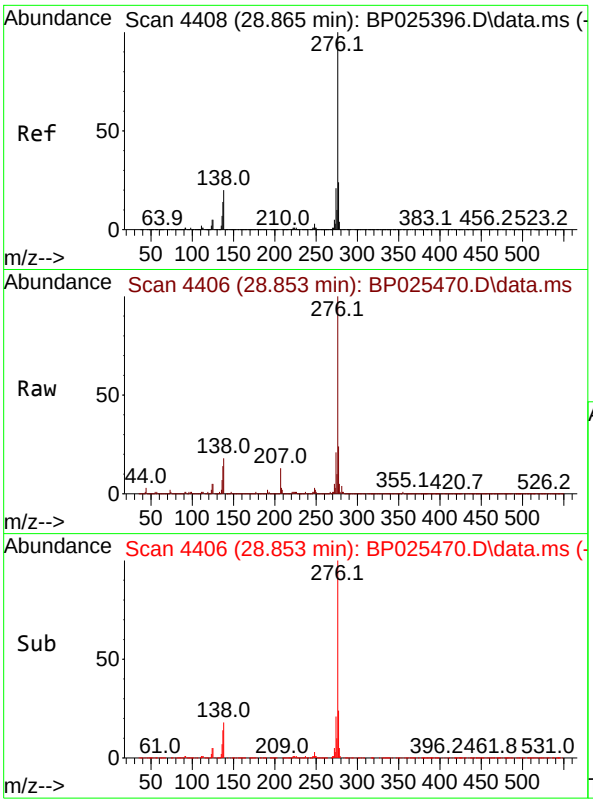


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:264 Resp: 967213

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.5	17.4	26.0



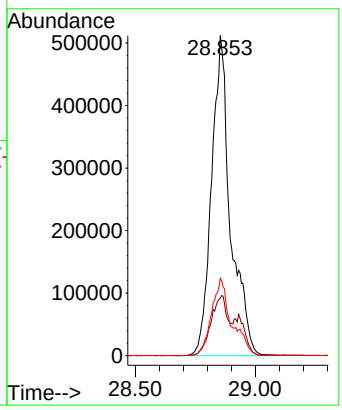


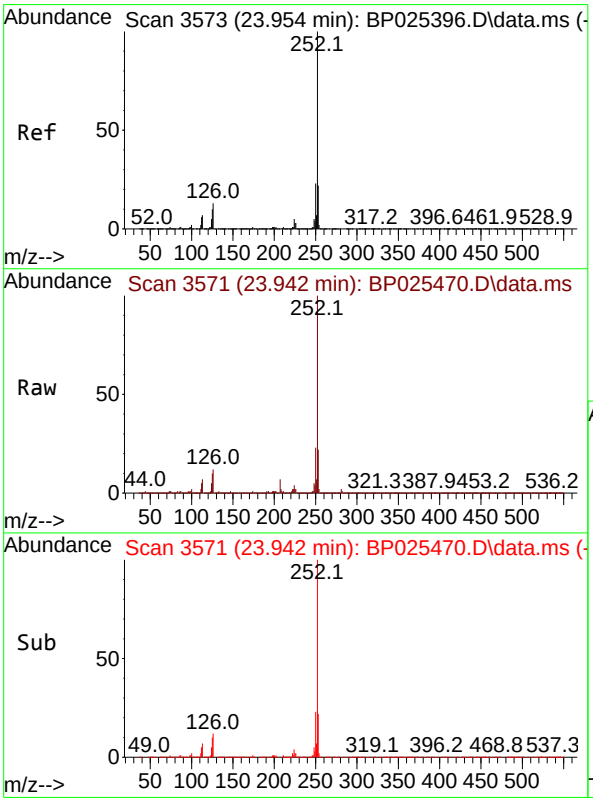
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.545 ng
RT: 28.853 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2804996

Ion	Ratio	Lower	Upper
276	100		
138	17.4	12.9	19.3
277	25.4	17.0	25.6

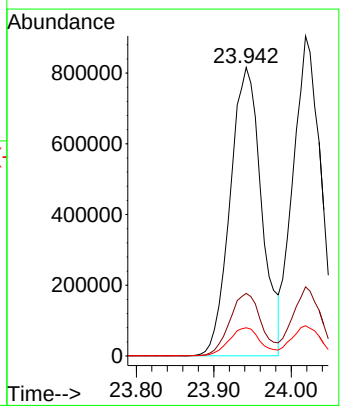


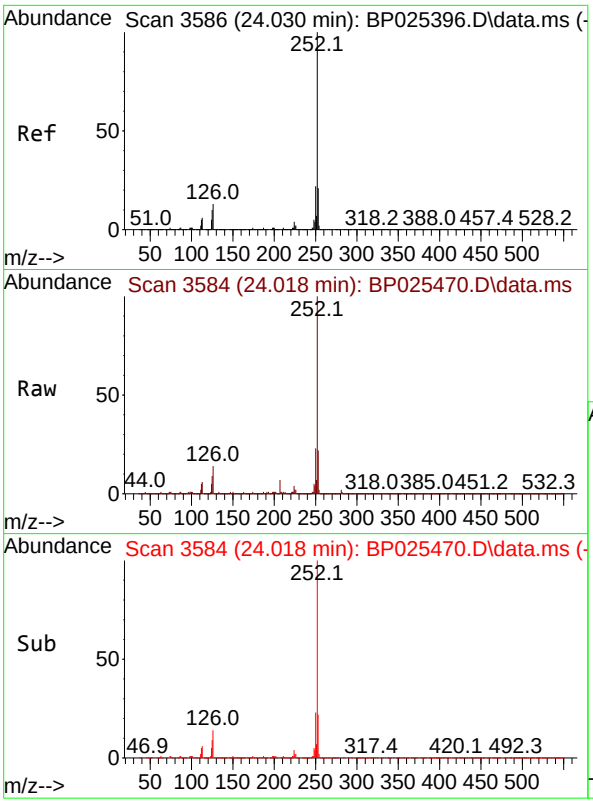


#88
Benzo(b)fluoranthene
Concen: 40.474 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:252 Resp: 2308389

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.7	7.9	11.9



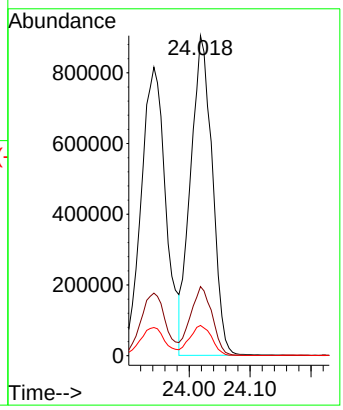


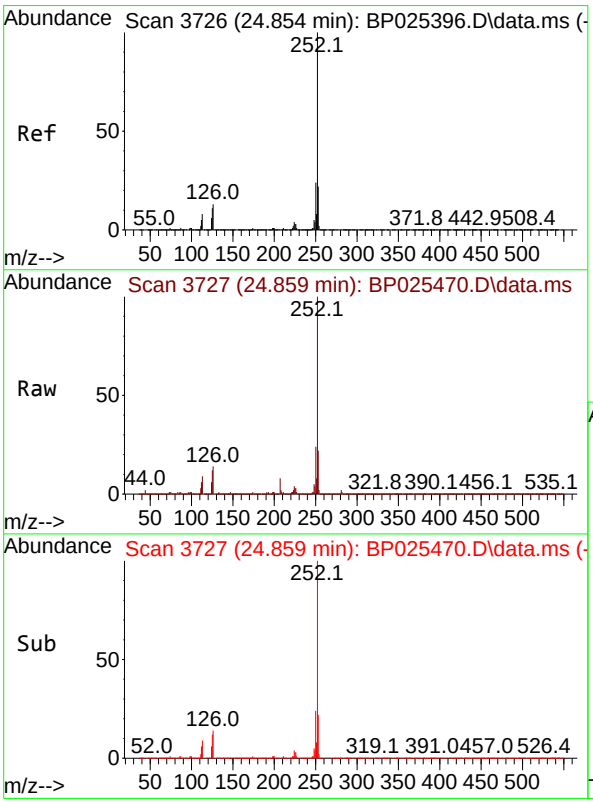
#89
Benzo(k)fluoranthene
Concen: 39.073 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2229990

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.4	7.8	11.6

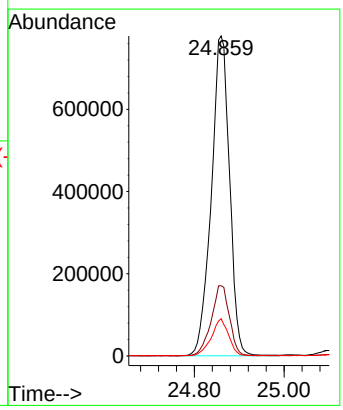


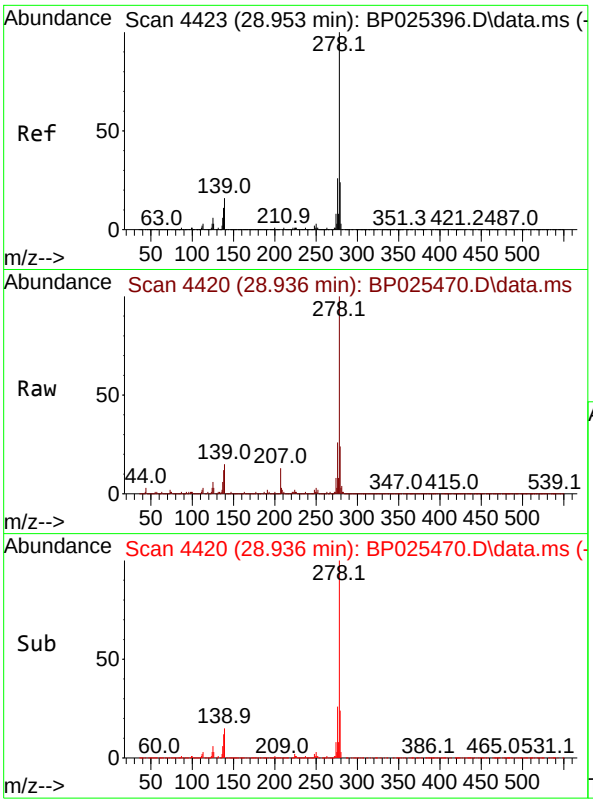


#90
Benzo(a)pyrene
Concen: 39.581 ng
RT: 24.859 min Scan# 3727
Delta R.T. 0.006 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:252 Resp: 2197471

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.6	8.7	13.1



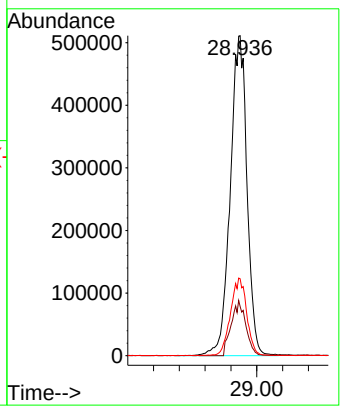


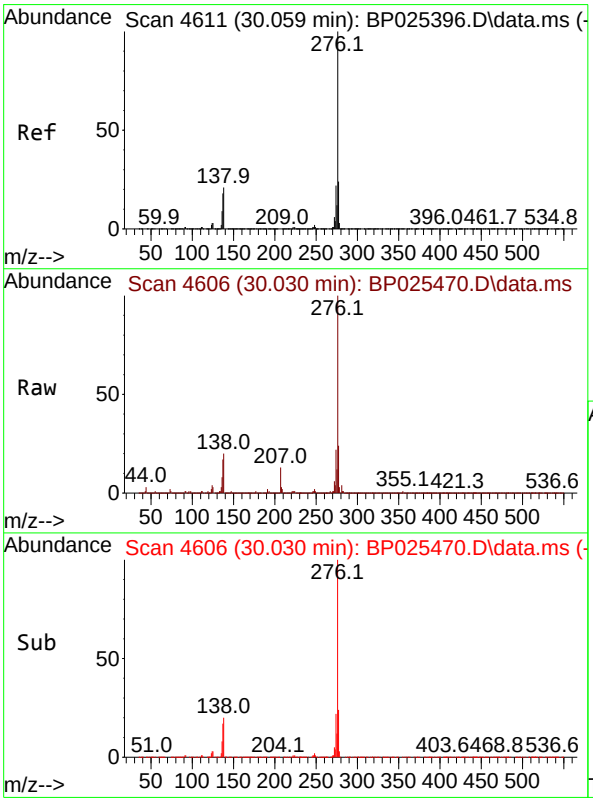
#91
Dibenzo(a,h)anthracene
Concen: 39.676 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2299829

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.1	19.4	29.2

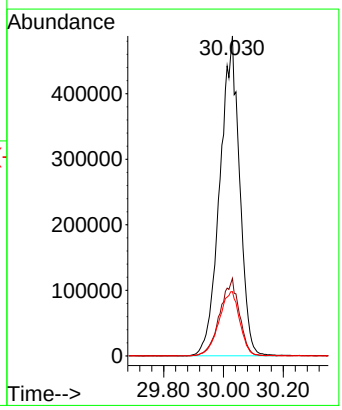




#92
Benzo(g,h,i)perylene
Concen: 39.074 ng
RT: 30.030 min Scan# 4606
Delta R.T. -0.029 min
Lab File: BP025470.D
Acq: 19 Aug 2025 10:44

Tgt Ion:276 Resp: 2226412

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.0
138	20.1	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	-0.01
2		1,4-Dioxane	0.472	0.475	-0.6	103	0.00
3		Pyridine	1.291	1.297	-0.5	103	0.00
4		n-Nitrosodimethylamine	0.532	0.569	-7.0	107	0.00
5	S	2-Fluorophenol	1.204	1.229	-2.1	102	0.00
6		Aniline	2.080	2.085	-0.2	100	0.00
7	S	Phenol-d6	1.544	1.586	-2.7	101	0.00
8		2-Chlorophenol	1.359	1.372	-1.0	101	0.00
9		Benzaldehyde	1.082	1.245	-15.1	88	0.00
10	C	Phenol	1.620	1.652	-2.0	101	0.00
11		bis(2-Chloroethyl)ether	1.263	1.272	-0.7	101	0.00
12		1,3-Dichlorobenzene	1.499	1.501	-0.1	100	0.00
13	C	1,4-Dichlorobenzene	1.532	1.544	-0.8	102	-0.01
14		1,2-Dichlorobenzene	1.483	1.477	0.4	100	0.00
15		Benzyl Alcohol	1.227	1.226	0.1	99	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.725	-2.0	103	0.00
17		2-Methylphenol	1.125	1.138	-1.2	99	0.00
18		Hexachloroethane	0.563	0.574	-2.0	102	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.012	1.1	99	0.00
20		3+4-Methylphenols	1.560	1.563	-0.2	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.502	0.503	-0.2	99	0.00
23	S	Nitrobenzene-d5	0.395	0.403	-2.0	101	0.00
24		Nitrobenzene	0.353	0.357	-1.1	99	0.00
25		Isophorone	0.700	0.713	-1.9	101	0.00
26	C	2-Nitrophenol	0.181	0.186	-2.8	99	0.00
27		2,4-Dimethylphenol	0.312	0.320	-2.6	99	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.424	-0.2	100	0.00
29	C	2,4-Dichlorophenol	0.310	0.314	-1.3	98	0.00
30		1,2,4-Trichlorobenzene	0.340	0.335	1.5	98	0.00
31		Naphthalene	1.040	1.035	0.5	99	0.00
32		Benzoic acid	0.230	0.396	-72.2#	167#	0.03
33		4-Chloroaniline	0.459	0.464	-1.1	98	0.00
34	C	Hexachlorobutadiene	0.211	0.208	1.4	97	0.00
35		Caprolactam	0.114	0.118	-3.5	103	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.364	-2.5	101	0.00
37		2-Methylnaphthalene	0.676	0.673	0.4	99	0.00
38		1-Methylnaphthalene	0.719	0.714	0.7	100	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.578	0.569	1.6	98	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.454	-30.1#	126	0.00
42	S	2,4,6-Tribromophenol	0.269	0.273	-1.5	100	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	101	0.00
44		2,4,5-Trichlorophenol	0.427	0.434	-1.6	98	0.00
45	S	2-Fluorobiphenyl	1.463	1.448	1.0	100	0.00
46		1,1'-Biphenyl	1.453	1.453	0.0	99	0.00
47		2-Chloronaphthalene	1.131	1.118	1.1	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.351	-6.7	102	0.00
49		Acenaphthylene	1.871	1.886	-0.8	100	0.00
50		Dimethylphthalate	1.465	1.480	-1.0	102	0.00
51		2,6-Dinitrotoluene	0.309	0.320	-3.6	100	0.00
52	C	Acenaphthene	1.098	1.094	0.4	101	0.00
53		3-Nitroaniline	0.347	0.361	-4.0	102	0.00
54	P	2,4-Dinitrophenol	0.165	0.576	-249.1#	340#	0.00
55		Dibenzofuran	1.736	1.727	0.5	99	0.00
56	P	4-Nitrophenol	0.285	0.292	-2.5	101	0.00
57		2,4-Dinitrotoluene	0.440	0.468	-6.4	103	0.00
58		Fluorene	1.370	1.359	0.8	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.376	0.3	99	0.00
60		Diethylphthalate	1.488	1.487	0.1	100	0.00
61		4-Chlorophenyl-phenylether	0.681	0.674	1.0	100	0.00
62		4-Nitroaniline	0.356	0.372	-4.5	102	0.00
63		Azobenzene	1.274	1.335	-4.8	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.255	-104.0#	199#	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.608	0.3	99	0.00
67		4-Bromophenyl-phenylether	0.220	0.217	1.4	98	0.00
68		Hexachlorobenzene	0.255	0.257	-0.8	102	0.00
69		Atrazine	0.228	0.230	-0.9	101	0.00
70	C	Pentachlorophenol	0.161	0.159	1.2	97	0.00
71		Phenanthrene	1.099	1.095	0.4	101	0.00
72		Anthracene	1.122	1.122	0.0	100	0.00
73		Carbazole	1.057	1.050	0.7	100	0.00
74		Di-n-butylphthalate	1.300	1.345	-3.5	104	0.00
75	C	Fluoranthene	1.311	1.291	1.5	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	94	0.00
77		Benzidine	0.683	0.771	-12.9	75	0.00
78		Pyrene	1.300	1.342	-3.2	99	0.00
79	S	Terphenyl-d14	1.093	1.093	0.0	99	0.00
80		Butylbenzylphthalate	0.589	0.616	-4.6	100	0.01
81		Benzo(a)anthracene	1.319	1.307	0.9	97	0.00
82		3,3'-Dichlorobenzidine	0.497	0.500	-0.6	97	0.00
83		Chrysene	1.235	1.256	-1.7	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.907	-4.6	103	-0.02
85	c	Di-n-octyl phthalate	1.492	1.558	-4.4	102	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	1.467	1.450	1.2	97	-0.01
88		Benzo(b)fluoranthene	1.179	1.193	-1.2	100	-0.01
89		Benzo(k)fluoranthene	1.180	1.153	2.3	97	-0.01
90	C	Benzo(a)pyrene	1.148	1.136	1.0	97	0.00
91		Dibenzo(a,h)anthracene	1.199	1.189	0.8	97	-0.02
92		Benzo(g,h,i)perylene	1.178	1.151	2.3	96	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	97	-0.01
2		1,4-Dioxane	40.000	40.315	-0.8	103	0.00
3		Pyridine	40.000	40.190	-0.5	103	0.00
4		n-Nitrosodimethylamine	40.000	42.738	-6.8	107	0.00
5	S	2-Fluorophenol	80.000	81.661	-2.1	102	0.00
6		Aniline	40.000	40.087	-0.2	100	0.00
7	S	Phenol-d6	80.000	82.185	-2.7	101	0.00
8		2-Chlorophenol	40.000	40.380	-1.0	101	0.00
9		Benzaldehyde	40.000	46.044	-15.1	88	0.00
10	C	Phenol	40.000	40.784	-2.0	101	0.00
11		bis(2-Chloroethyl)ether	40.000	40.295	-0.7	101	0.00
12		1,3-Dichlorobenzene	40.000	40.075	-0.2	100	0.00
13	C	1,4-Dichlorobenzene	40.000	40.312	-0.8	102	-0.01
14		1,2-Dichlorobenzene	40.000	39.850	0.4	100	0.00
15		Benzyl Alcohol	40.000	39.981	0.0	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.786	-2.0	103	0.00
17		2-Methylphenol	40.000	40.470	-1.2	99	0.00
18		Hexachloroethane	40.000	40.757	-1.9	102	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.573	1.1	99	0.00
20		3+4-Methylphenols	40.000	40.080	-0.2	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	40.114	-0.3	99	0.00
23	S	Nitrobenzene-d5	80.000	81.627	-2.0	101	0.00
24		Nitrobenzene	40.000	40.460	-1.2	99	0.00
25		Isophorone	40.000	40.781	-2.0	101	0.00
26	C	2-Nitrophenol	40.000	41.117	-2.8	99	0.00
27		2,4-Dimethylphenol	40.000	41.001	-2.5	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.077	-0.2	100	0.00
29	C	2,4-Dichlorophenol	40.000	40.511	-1.3	98	0.00
30		1,2,4-Trichlorobenzene	40.000	39.422	1.4	98	0.00
31		Naphthalene	40.000	39.813	0.5	99	0.00
32		Benzoic acid	40.000	68.883	-72.2#	167	0.03
33		4-Chloroaniline	40.000	40.457	-1.1	98	0.00
34	C	Hexachlorobutadiene	40.000	39.292	1.8	97	0.00
35		Caprolactam	40.000	41.521	-3.8	103	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.950	-2.4	101	0.00
37		2-Methylnaphthalene	40.000	39.823	0.4	99	0.00
38		1-Methylnaphthalene	40.000	39.680	0.8	100	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.392	1.5	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	52.042	-30.1#	126	0.00
42	S	2,4,6-Tribromophenol	80.000	81.256	-1.6	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.018	-2.5	101	0.00
44		2,4,5-Trichlorophenol	40.000	40.597	-1.5	98	0.00
45	S	2-Fluorobiphenyl	80.000	79.181	1.0	100	0.00
46		1,1'-Biphenyl	40.000	40.000	0.0	99	0.00
47		2-Chloronaphthalene	40.000	39.556	1.1	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.581	-6.5	102	0.00
49		Acenaphthylene	40.000	40.322	-0.8	100	0.00
50		Dimethylphthalate	40.000	40.430	-1.1	102	0.00
51		2,6-Dinitrotoluene	40.000	41.441	-3.6	100	0.00
52	C	Acenaphthene	40.000	39.829	0.4	101	0.00
53		3-Nitroaniline	40.000	41.575	-3.9	102	0.00
54	P	2,4-Dinitrophenol	40.000	139.827	-249.6#	340	0.00
55		Dibenzofuran	40.000	39.788	0.5	99	0.00
56	P	4-Nitrophenol	40.000	40.915	-2.3	101	0.00
57		2,4-Dinitrotoluene	40.000	42.517	-6.3	103	0.00
58		Fluorene	40.000	39.664	0.8	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.893	0.3	99	0.00
60		Diethylphthalate	40.000	39.974	0.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	39.536	1.2	100	0.00
62		4-Nitroaniline	40.000	41.774	-4.4	102	0.00
63		Azobenzene	40.000	41.912	-4.8	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	40.000	81.708	-104.3#	199	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.858	0.4	99	0.00
67		4-Bromophenyl-phenylether	40.000	39.458	1.4	98	0.00
68		Hexachlorobenzene	40.000	40.251	-0.6	102	0.00
69		Atrazine	40.000	40.298	-0.7	101	0.00
70	C	Pentachlorophenol	40.000	39.549	1.1	97	0.00
71		Phenanthrene	40.000	39.881	0.3	101	0.00
72		Anthracene	40.000	39.998	0.0	100	0.00
73		Carbazole	40.000	39.727	0.7	100	0.00
74		Di-n-butylphthalate	40.000	41.367	-3.4	104	0.00
75	C	Fluoranthene	40.000	39.397	1.5	101	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	94	0.00
77		Benzidine	40.000	45.160	-12.9	75	0.00
78		Pyrene	40.000	41.296	-3.2	99	0.00
79	S	Terphenyl-d14	80.000	79.985	0.0	99	0.00
80		Butylbenzylphthalate	40.000	41.807	-4.5	100	0.01
81		Benzo(a)anthracene	40.000	39.644	0.9	97	0.00
82		3,3'-Dichlorobenzidine	40.000	40.253	-0.6	97	0.00
83		Chrysene	40.000	40.684	-1.7	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.834	-4.6	103	-0.02
85	c	Di-n-octyl phthalate	40.000	41.781	-4.5	102	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.545	1.1	97	-0.01
88		Benzo(b)fluoranthene	40.000	40.474	-1.2	100	-0.01
89		Benzo(k)fluoranthene	40.000	39.073	2.3	97	-0.01
90	C	Benzo(a)pyrene	40.000	39.581	1.0	97	0.00
91		Dibenzo(a,h)anthracene	40.000	39.676	0.8	97	-0.02
92		Benzo(g,h,i)perylene	40.000	39.074	2.3	96	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025470.D
Acq On : 19 Aug 2025 10:44
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 12:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2820
Instrument ID:	BNA_P	Calibration Date/Time:	08/19/2025 21:43
Lab File ID:	BP025485.D	Init. Calib. Date(s):	08/14/2025 08/14/2025
EPA Sample No.:	SSTDCCC040EC	Init. Calib. Time(s):	12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.218		1.2	50.0
Benzaldehyde	1.082	0.902		-16.6	50.0
Phenol-d6	1.544	1.587		2.8	50.0
Phenol	1.620	1.658		2.3	50.0
bis(2-Chloroethyl)ether	1.263	1.262		-0.1	50.0
2-Chlorophenol	1.359	1.375		1.2	50.0
2-Methylphenol	1.125	1.161		3.2	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.743		3.0	50.0
Acetophenone	0.502	0.506		0.8	50.0
3+4-Methylphenols	1.560	1.605		2.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.050	0.050	2.6	50.0
Nitrobenzene-d5	0.395	0.400		1.3	50.0
Hexachloroethane	0.563	0.571		1.4	50.0
Nitrobenzene	0.353	0.353		0.0	50.0
Isophorone	0.700	0.708		1.1	50.0
2-Nitrophenol	0.181	0.183		1.1	50.0
2,4-Dimethylphenol	0.312	0.319		2.2	50.0
bis(2-Chloroethoxy)methane	0.423	0.428		1.2	50.0
2,4-Dichlorophenol	0.310	0.317		2.3	50.0
Naphthalene	1.040	1.019		-2.0	50.0
4-Chloroaniline	0.459	0.465		1.3	50.0
Hexachlorobutadiene	0.211	0.209		-0.9	50.0
Caprolactam	0.114	0.113		-0.9	50.0
4-Chloro-3-methylphenol	0.355	0.365		2.8	50.0
2-Methylnaphthalene	0.676	0.669		-1.0	50.0
Hexachlorocyclopentadiene	0.349	0.410	0.050	17.5	50.0
2,4,6-Trichlorophenol	0.390	0.397		1.8	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.450		-0.2	50.0
2-Chloronaphthalene	1.131	1.129		-0.2	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.472		0.5	50.0
Acenaphthylene	1.871	1.873		0.1	50.0
2,6-Dinitrotoluene	0.309	0.325		5.2	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.079		-1.7	50.0
2,4-Dinitrophenol	0.165	0.325	0.050	97.0	50.0
4-Nitrophenol	0.285	0.288	0.050	1.1	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 21:43

Lab File ID: BP025485.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.721		-0.9	50.0
2,4-Dinitrotoluene	0.440	0.463		5.2	50.0
Diethylphthalate	1.488	1.504		1.1	50.0
4-Chlorophenyl-phenylether	0.681	0.668		-1.9	50.0
Fluorene	1.370	1.329		-3.0	50.0
4-Nitroaniline	0.356	0.355		-0.3	50.0
4,6-Dinitro-2-methylphenol	0.125	0.178		42.4	50.0
n-Nitrosodiphenylamine	0.610	0.611		0.2	50.0
2,4,6-Tribromophenol	0.269	0.275		2.2	50.0
4-Bromophenyl-phenylether	0.220	0.218		-0.9	50.0
Hexachlorobenzene	0.255	0.257		0.8	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.085		-1.3	50.0
Anthracene	1.122	1.116		-0.5	50.0
Carbazole	1.057	1.045		-1.1	50.0
Di-n-butylphthalate	1.300	1.318		1.4	50.0
Fluoranthene	1.311	1.271		-3.1	50.0
Pyrene	1.300	1.274		-2.0	50.0
Terphenyl-d14	1.093	1.085		-0.7	50.0
Butylbenzylphthalate	0.589	0.608		3.2	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo(a)anthracene	1.319	1.302		-1.3	50.0
Chrysene	1.235	1.232		-0.2	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.887		2.3	50.0
Di-n-octyl phthalate	1.492	1.538		3.1	50.0
Benzo(b)fluoranthene	1.179	1.167		-1.0	50.0
Benzo(k)fluoranthene	1.180	1.176		-0.3	50.0
Benzo(a)pyrene	1.148	1.150		0.2	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.449		-1.2	50.0
Dibenzo(a,h)anthracene	1.199	1.196		-0.3	50.0
Benzo(g,h,i)perylene	1.178	1.167		-0.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.582		0.7	50.0
1,4-Dioxane	0.472	0.459		-2.8	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.389		3.2	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	158873	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	675660	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	445771	20.000	ng		0.00
64) Phenanthrene-d10	17.195	188	892187	20.000	ng		0.00
76) Chrysene-d12	21.636	240	906884	20.000	ng		-0.01
86) Perylene-d12	25.006	264	1007482	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.407	112	773764	80.882	ng		0.00
7) Phenol-d6	6.966	99	1008256	82.204	ng		0.00
23) Nitrobenzene-d5	8.931	82	1079756	80.839	ng		0.00
42) 2,4,6-Tribromophenol	15.907	330	489565	81.593	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2594828	79.555	ng		0.00
79) Terphenyl-d14	19.913	244	3937508	79.436	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	145689	38.879	ng		98
3) Pyridine	3.731	79	404916	39.479	ng		95
4) n-Nitrosodimethylamine	3.637	42	179479	42.446	ng		94
6) Aniline	7.119	93	668681	40.464	ng		97
8) 2-Chlorophenol	7.360	128	437012	40.481	ng		99
9) Benzaldehyde	6.937	77	286594	33.351	ng		99
10) Phenol	6.996	94	526675	40.923	ng		98
11) bis(2-Chloroethyl)ether	7.213	93	401081	39.983	ng		99
12) 1,3-Dichlorobenzene	7.684	146	475391	39.936	ng		100
13) 1,4-Dichlorobenzene	7.825	146	484363	39.809	ng		100
14) 1,2-Dichlorobenzene	8.137	146	469356	39.851	ng		98
15) Benzyl Alcohol	8.025	79	401239	41.172	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	553744	41.208	ng		98
17) 2-Methylphenol	8.225	107	368919	41.273	ng		99
18) Hexachloroethane	8.860	117	181531	40.579	ng		98
19) n-Nitroso-di-n-propyla...	8.584	70	333778	41.084	ng		97
20) 3+4-Methylphenols	8.548	107	509860	41.150	ng		97
22) Acetophenone	8.595	105	683158	40.318	ng	#	98
24) Nitrobenzene	8.972	77	477609	40.010	ng		99
25) Isophorone	9.495	82	957244	40.496	ng		100
26) 2-Nitrophenol	9.678	139	247838	40.455	ng		99
27) 2,4-Dimethylphenol	9.737	122	431106	40.920	ng		99
28) bis(2-Chloroethoxy)met...	9.966	93	577727	40.432	ng		99
29) 2,4-Dichlorophenol	10.207	162	428064	40.902	ng		99
30) 1,2,4-Trichlorobenzene	10.419	180	446960	38.959	ng		98
31) Naphthalene	10.607	128	1376450	39.195	ng		99
32) Benzoic acid	9.895	122	398565	51.243	ng		97
33) 4-Chloroaniline	10.707	127	627874	40.476	ng		99
34) Hexachlorobutadiene	10.895	225	282466	39.534	ng		99
35) Caprolactam	11.495	113	153213	39.925	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	492944	41.048	ng		99
37) 2-Methylnaphthalene	12.213	142	904354	39.572	ng		98
38) 1-Methylnaphthalene	12.431	142	952498	39.191	ng		99
40) 1,2,4,5-Tetrachloroben...	12.584	216	518947	40.309	ng		99
41) Hexachlorocyclopentadiene	12.566	237	365177	46.958	ng		97
43) 2,4,6-Trichlorophenol	12.825	196	354164	40.748	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

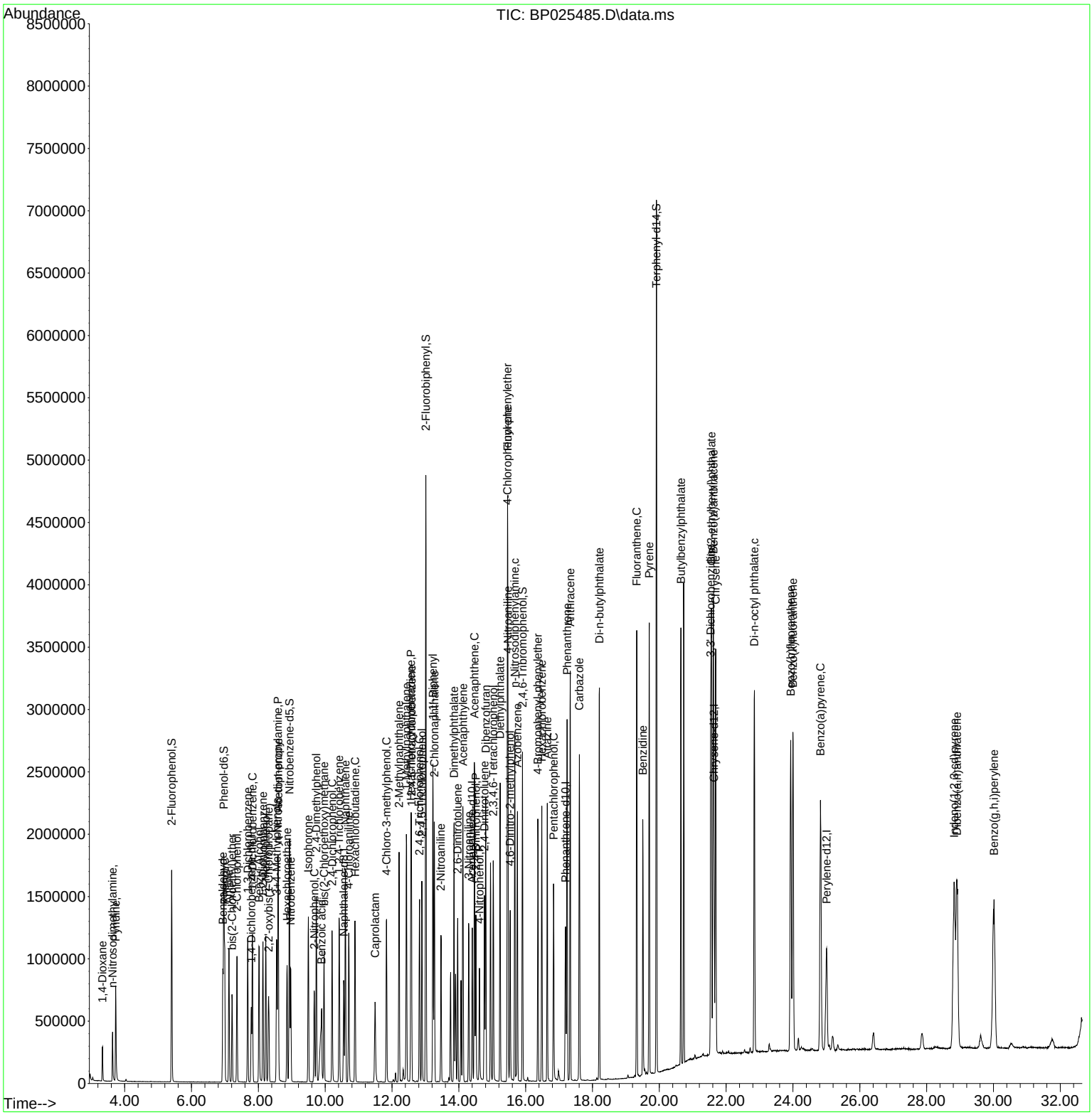
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	387326	40.661	ng	99
46) 1,1'-Biphenyl	13.225	154	1292572	39.926	ng	99
47) 2-Chloronaphthalene	13.266	162	1006226	39.925	ng	99
48) 2-Nitroaniline	13.466	65	313692	42.716	ng	96
49) Acenaphthylene	14.125	152	1669485	40.032	ng	100
50) Dimethylphthalate	13.860	163	1312044	40.193	ng	100
51) 2,6-Dinitrotoluene	13.966	165	289803	42.121	ng	97
52) Acenaphthene	14.466	154	961749	39.288	ng	99
53) 3-Nitroaniline	14.295	138	317453	41.010	ng	96
54) 2,4-Dinitrophenol	14.513	184	289809	78.876	ng	99
55) Dibenzofuran	14.807	168	1534315	39.644	ng	99
56) 4-Nitrophenol	14.619	139	257090	40.416	ng	97
57) 2,4-Dinitrotoluene	14.766	165	412864	42.059	ng	96
58) Fluorene	15.460	166	1184590	38.790	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.030	232	346838	41.236	ng	99
60) Diethylphthalate	15.236	149	1340756	40.422	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	595598	39.215	ng	97
62) 4-Nitroaniline	15.472	138	316634	39.899	ng	97
63) Azobenzene	15.754	77	1180195	41.554	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	317569	57.102	ng	95
66) n-Nitrosodiphenylamine	15.677	169	1090366	40.077	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	389327	39.677	ng	96
68) Hexachlorobenzene	16.483	284	458719	40.328	ng	99
69) Atrazine	16.648	200	408523	40.095	ng	100
70) Pentachlorophenol	16.836	266	295975	41.221	ng	96
71) Phenanthrene	17.242	178	1936352	39.509	ng	99
72) Anthracene	17.336	178	1990880	39.778	ng	100
73) Carbazole	17.607	167	1863783	39.535	ng	99
74) Di-n-butylphthalate	18.207	149	2351889	40.549	ng	100
75) Fluoranthene	19.324	202	2267363	38.784	ng	99
77) Benzidine	19.507	184	1145425	37.009	ng	99
78) Pyrene	19.701	202	2310305	39.194	ng	100
80) Butylbenzylphthalate	20.648	149	1102249	41.260	ng	100
81) Benzo(a)anthracene	21.618	228	2361970	39.492	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	868498	38.525	ng	99
83) Chrysene	21.689	228	2233747	39.880	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1608462	40.902	ng	100
85) Di-n-octyl phthalate	22.848	149	2789645	41.242	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	2920576	39.529	ng	99
88) Benzo(b)fluoranthene	23.936	252	2351174	39.577	ng	99
89) Benzo(k)fluoranthene	24.001	252	2369472	39.857	ng	99
90) Benzo(a)pyrene	24.824	252	2318019	40.084	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2410467	39.922	ng	99
92) Benzo(g,h,i)perylene	30.018	276	2351576	39.621	ng	98

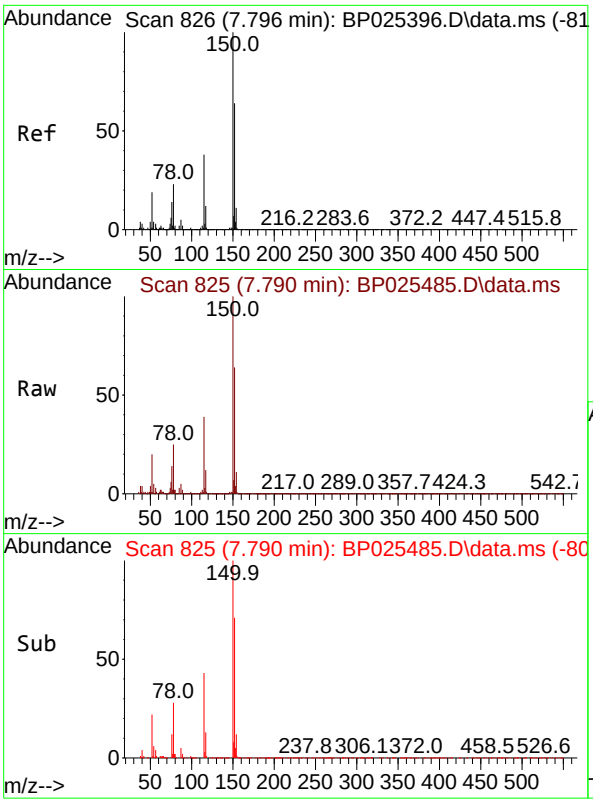
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



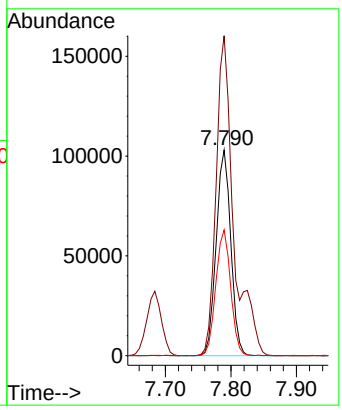


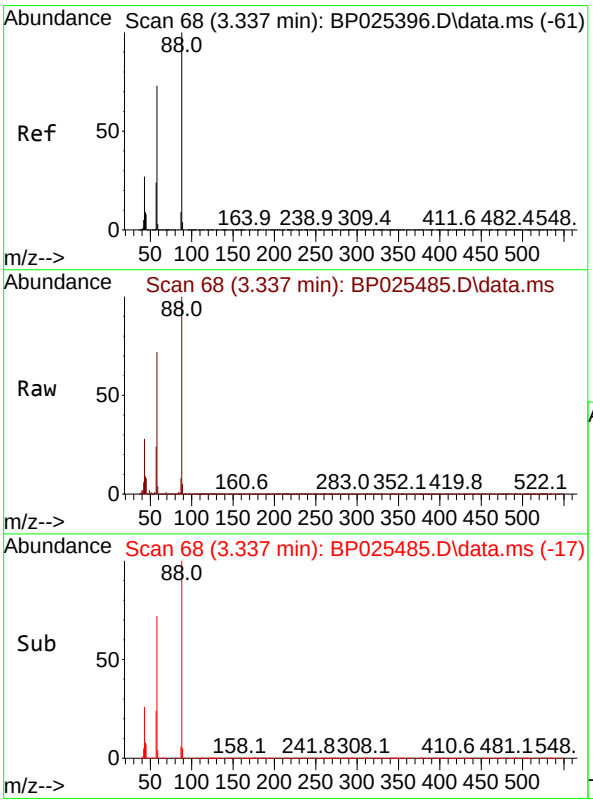
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 158873

Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.9	188.9
115	61.2	48.5	72.7

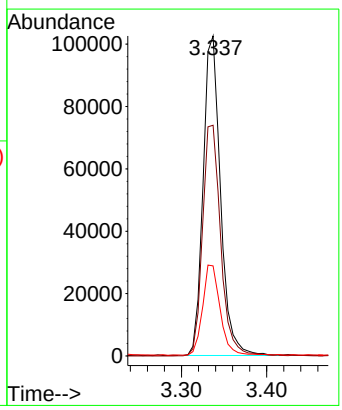


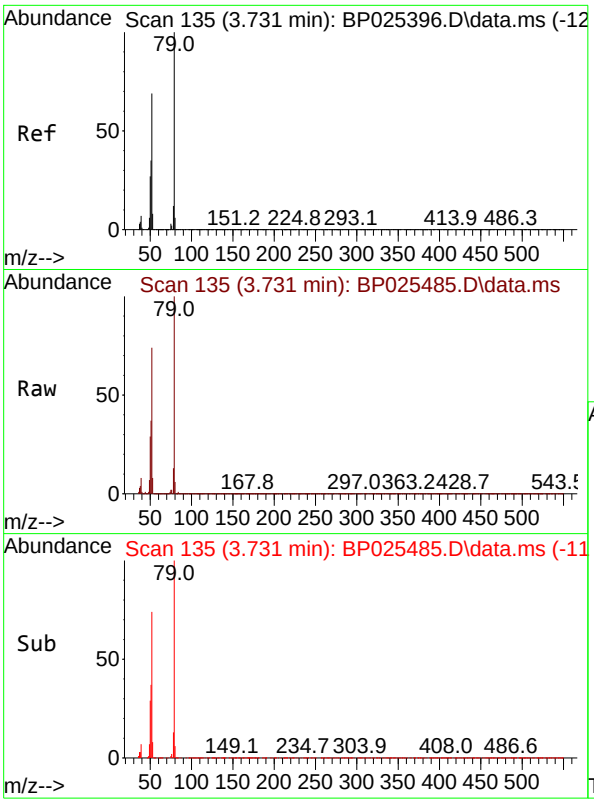


#2
1,4-Dioxane
Concen: 38.879 ng
RT: 3.337 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 88 Resp: 145689

Ion	Ratio	Lower	Upper
88	100		
58	75.3	59.2	88.8
43	28.5	21.7	32.5



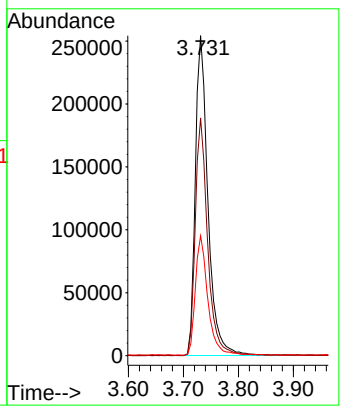


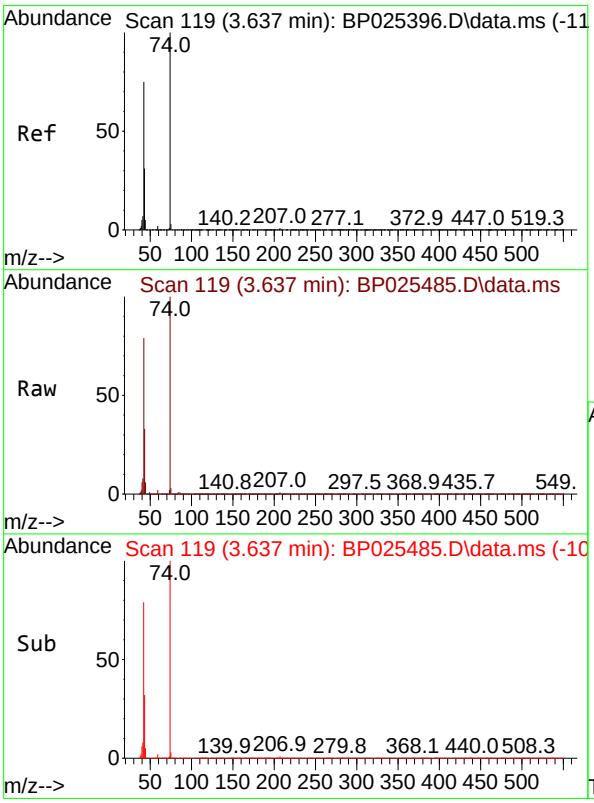
#3
Pyridine
Concen: 39.479 ng
RT: 3.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 404916

Ion	Ratio	Lower	Upper
79	100		
52	74.3	55.5	83.3
51	37.5	28.3	42.5

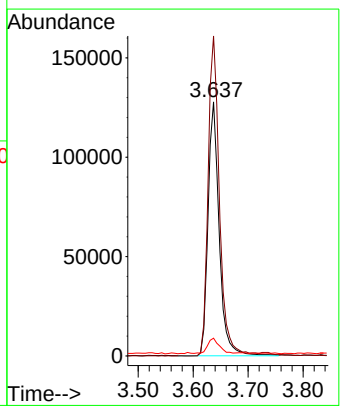


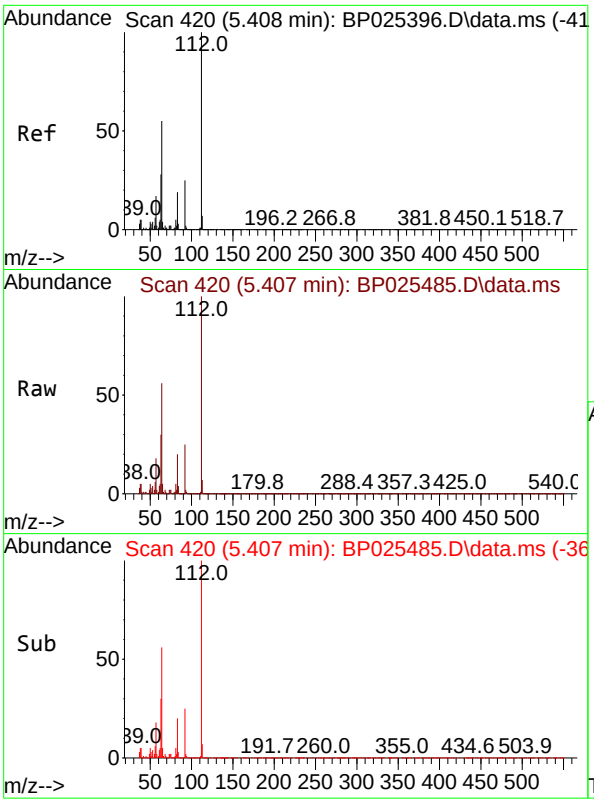


#4
n-Nitrosodimethylamine
Concen: 42.446 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 42 Resp: 179479

Ion	Ratio	Lower	Upper
42	100		
74	125.9	107.0	160.4
44	7.0	6.2	9.4



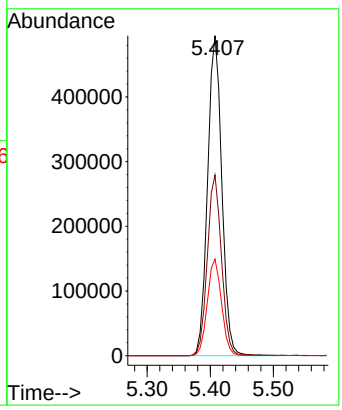


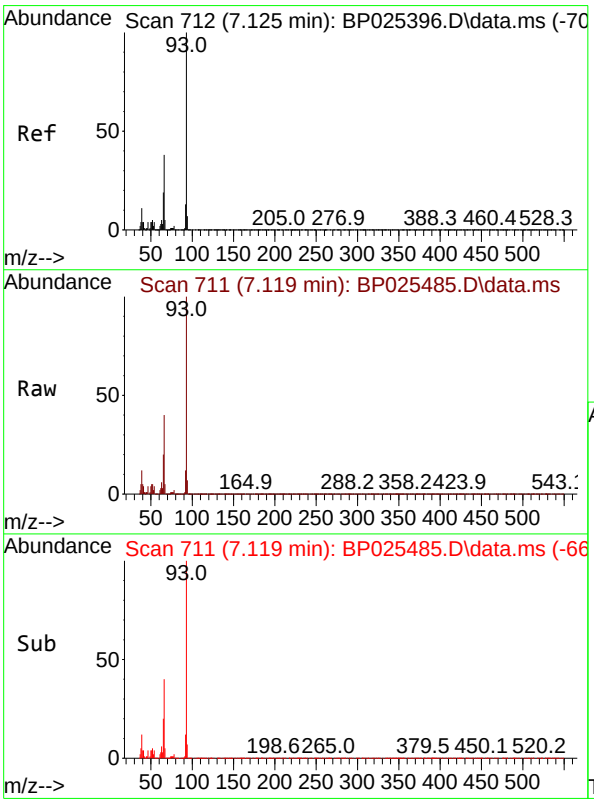
#5
2-Fluorophenol
Concen: 80.882 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 773764

Ion	Ratio	Lower	Upper
112	100		
64	56.5	43.8	65.8
63	30.2	22.7	34.1

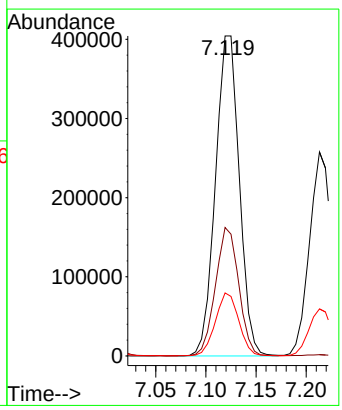


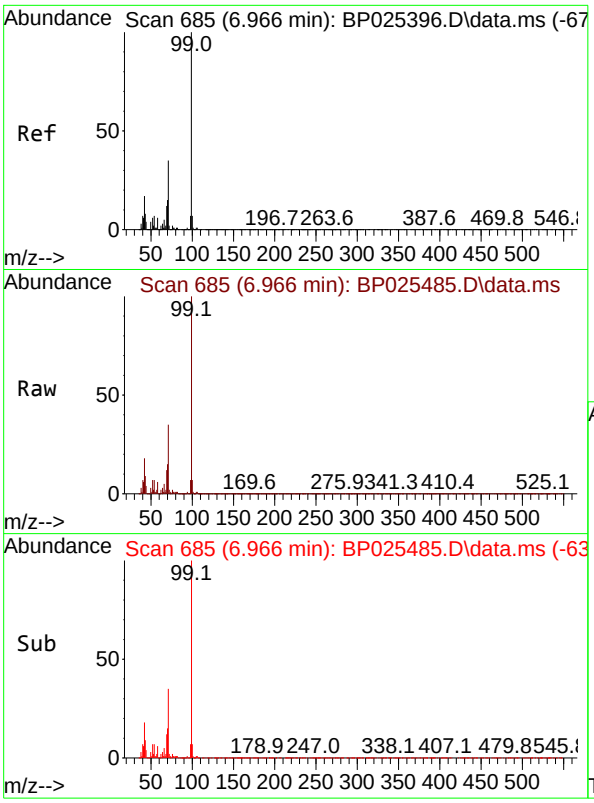


#6
Aniline
Concen: 40.464 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 93 Resp: 668681

Ion	Ratio	Lower	Upper
93	100		
66	40.1	30.4	45.6
65	19.7	15.3	22.9



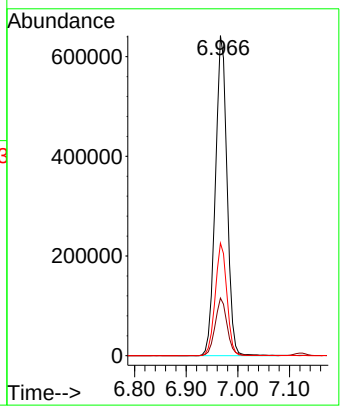


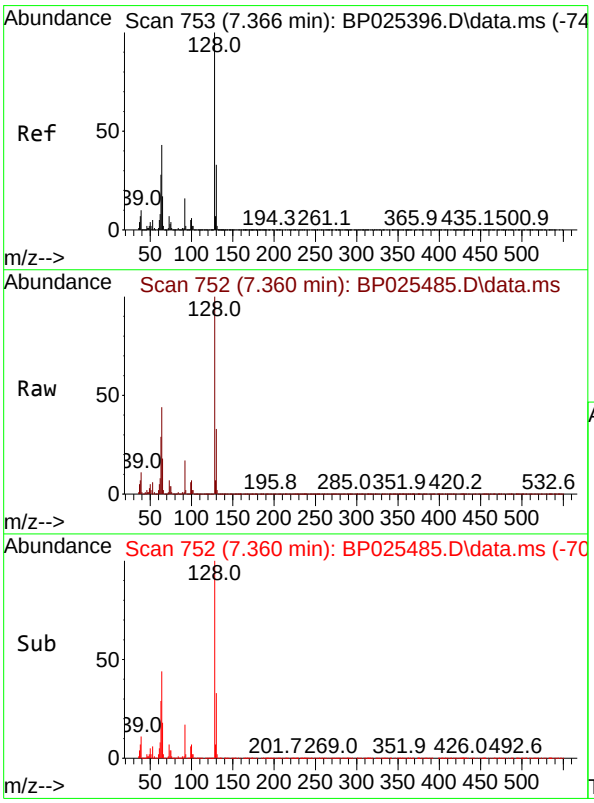
#7
Phenol-d6
Concen: 82.204 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1008256

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	35.1	28.2	42.4

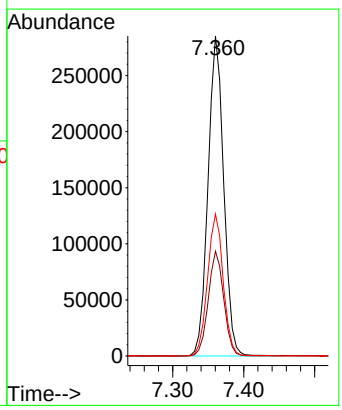


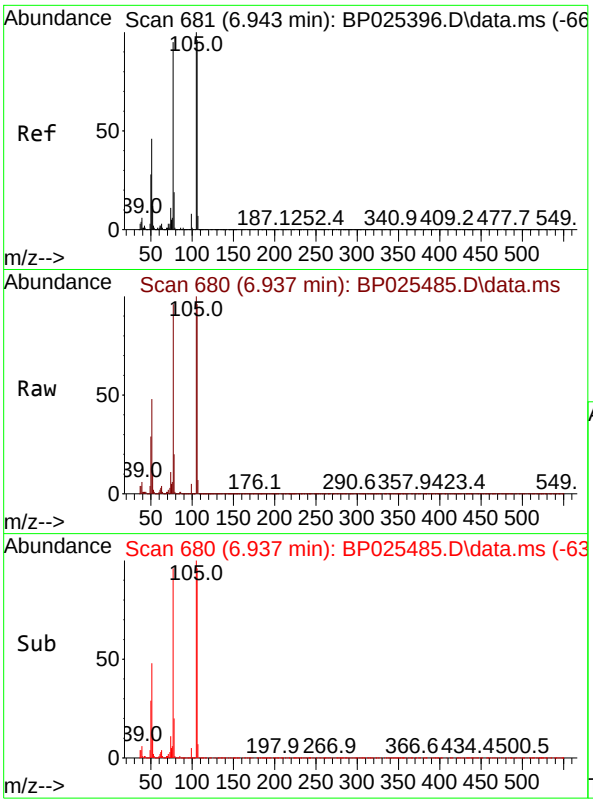


#8
2-Chlorophenol
Concen: 40.481 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:128 Resp: 437012

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	44.4	23.4	63.4



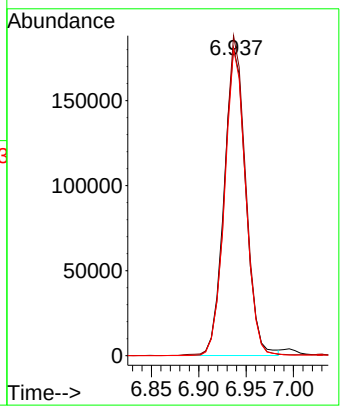


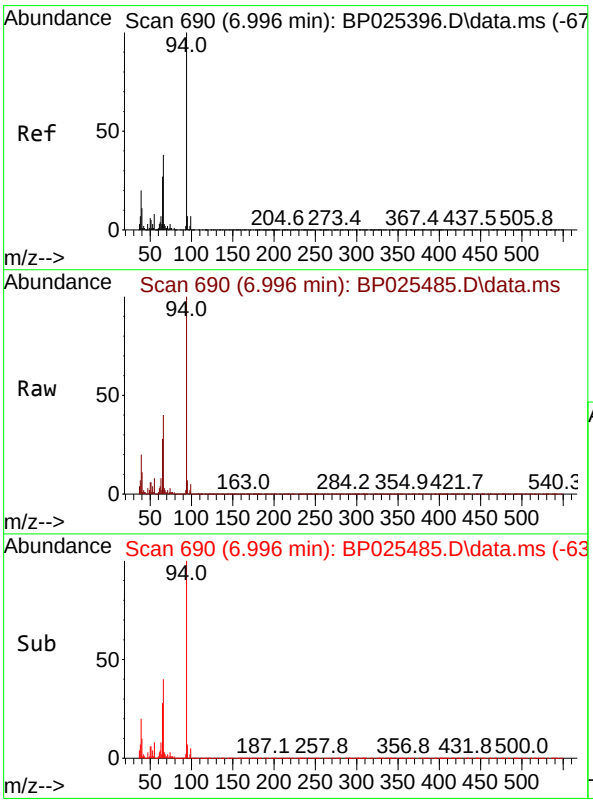
#9
Benzaldehyde
Concen: 33.351 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 286594

Ion	Ratio	Lower	Upper
77	100		
105	104.0	84.8	124.8
106	99.8	80.5	120.5

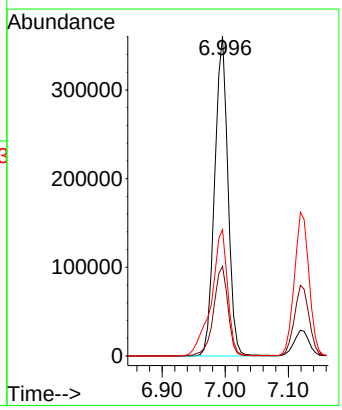


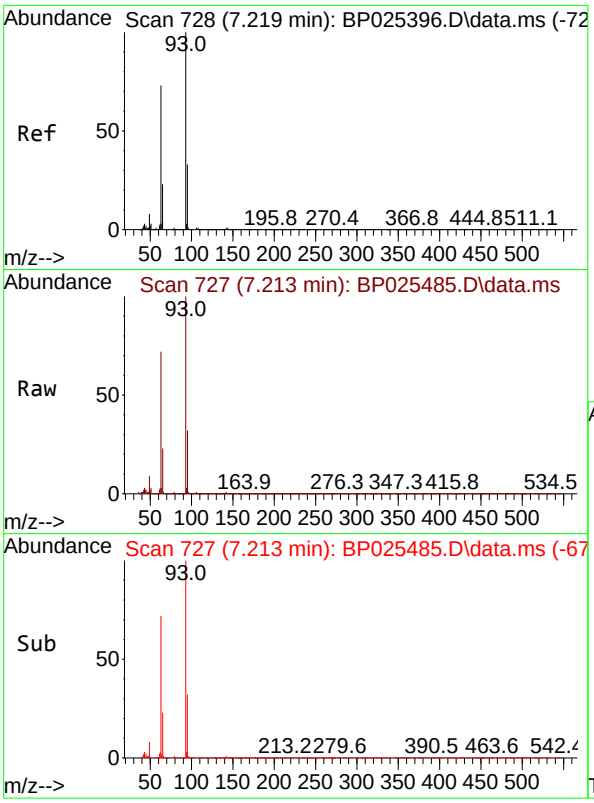


#10
Phenol
Concen: 40.923 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 94 Resp: 526675

Ion	Ratio	Lower	Upper
94	100		
65	28.0	6.8	46.8
66	39.5	18.2	58.2



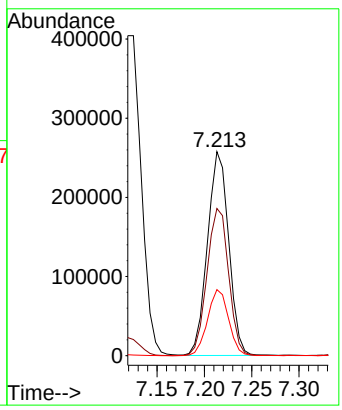


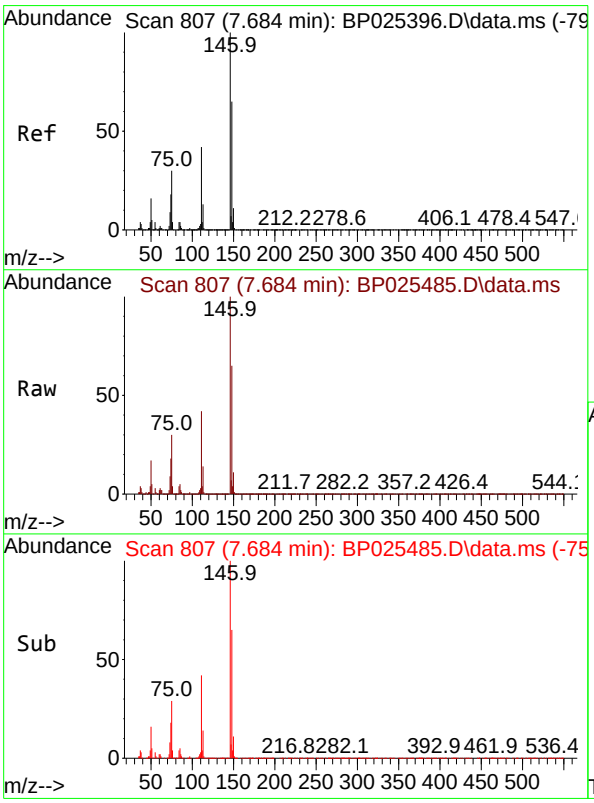
#11
bis(2-Chloroethyl)ether
Concen: 39.983 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 401081

Ion	Ratio	Lower	Upper
93	100		
63	72.2	52.6	92.6
95	32.4	12.7	52.7

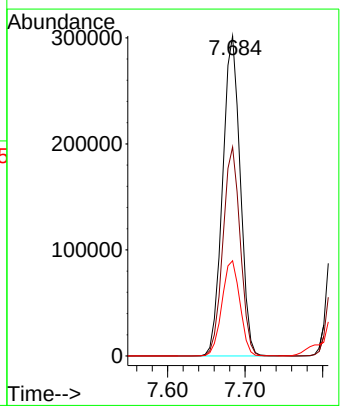


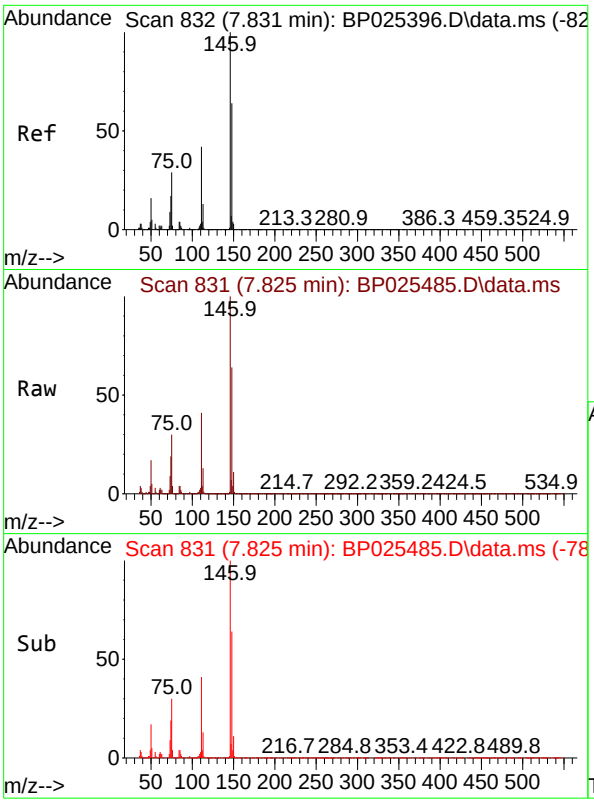


#12
1,3-Dichlorobenzene
Concen: 39.936 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:146 Resp: 475391

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	29.7	23.7	35.5



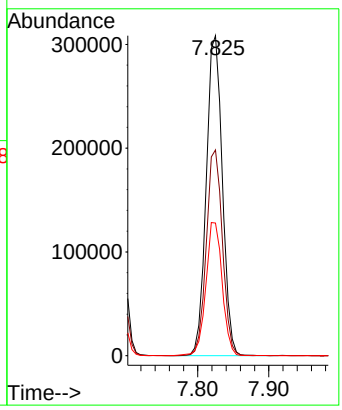


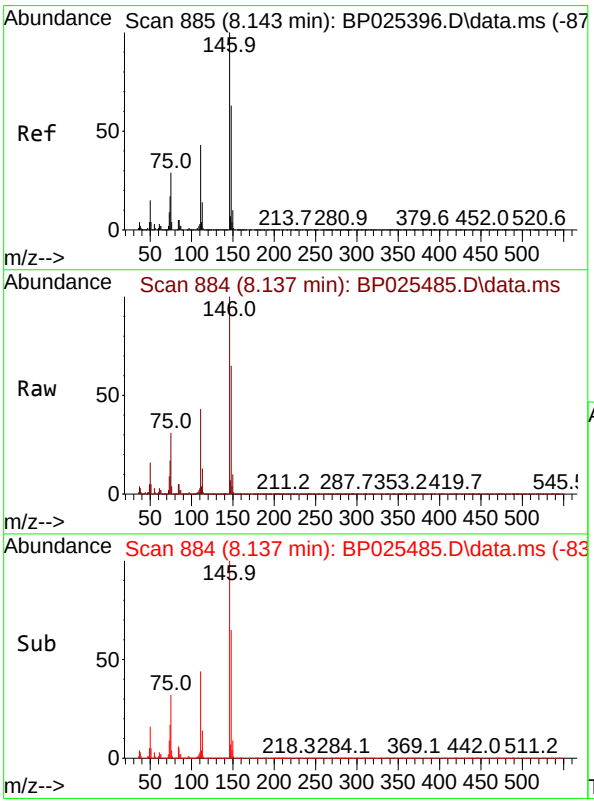
#13
1,4-Dichlorobenzene
Concen: 39.809 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 484363

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
111	41.5	33.4	50.0

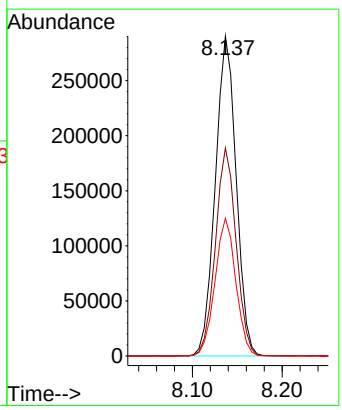


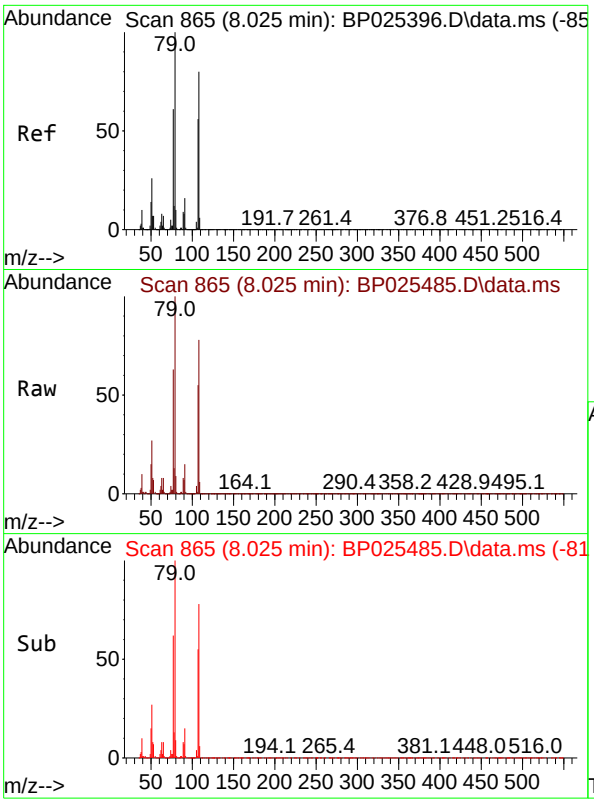


#14
1,2-Dichlorobenzene
Concen: 39.851 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:146 Resp: 469356

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	43.1	34.5	51.7



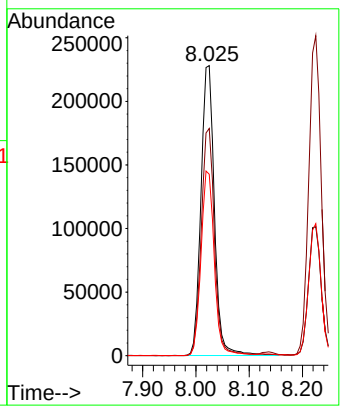


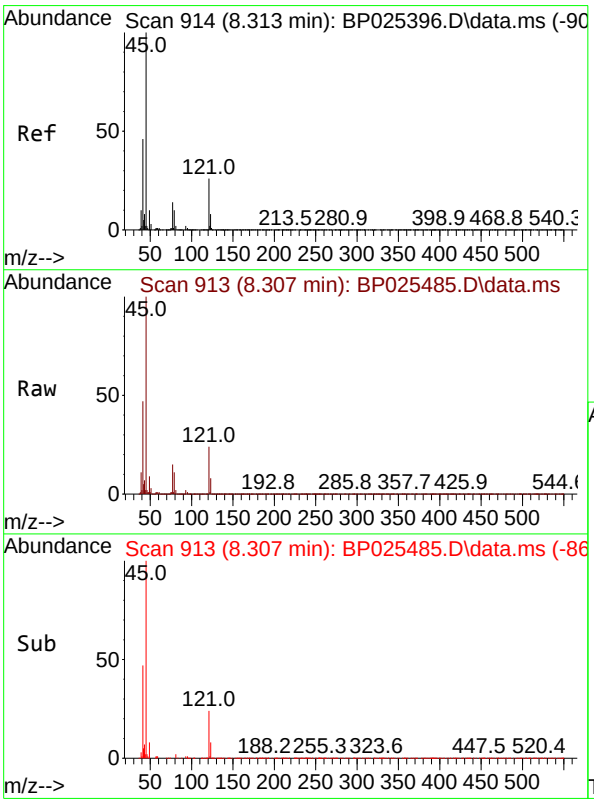
#15
Benzyl Alcohol
Concen: 41.172 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 401239

Ion	Ratio	Lower	Upper
79	100		
108	78.3	63.8	95.6
77	62.5	49.0	73.4

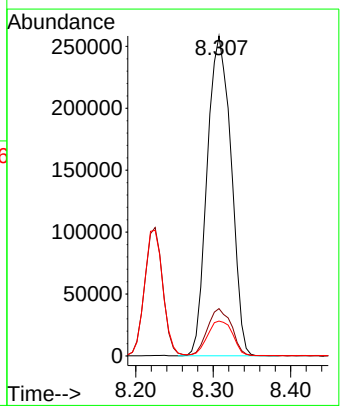


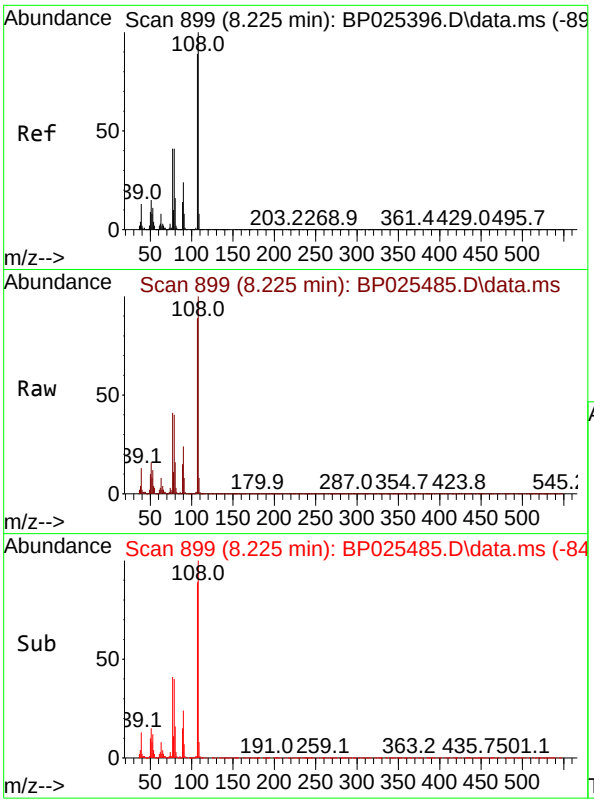


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.208 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 45 Resp: 553744

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	10.9	0.0	31.8



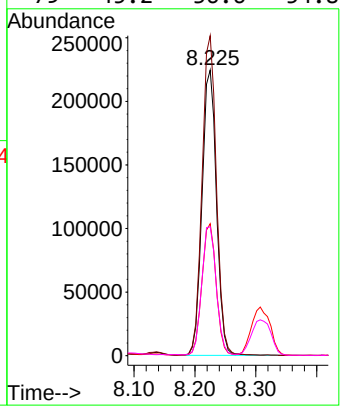


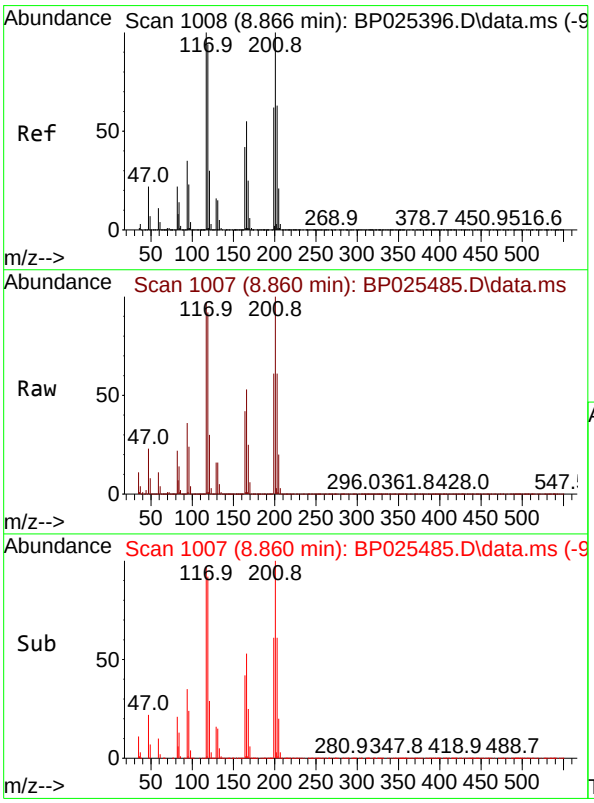
#17
2-Methylphenol
Concen: 41.273 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 368919

Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.4	134.0
77	46.2	36.3	54.5
79	45.2	36.6	54.8

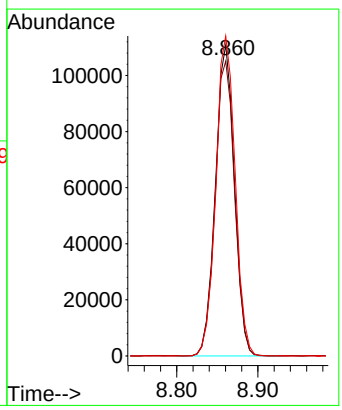


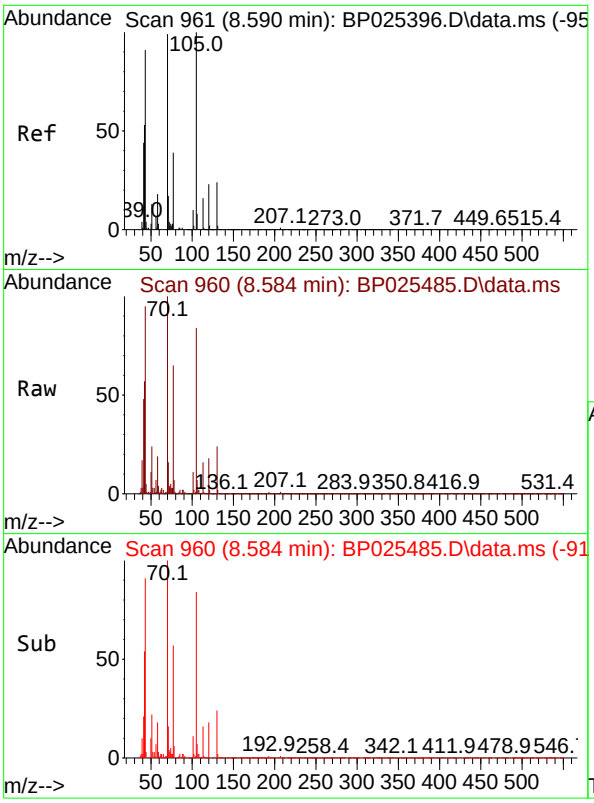


#18
Hexachloroethane
Concen: 40.579 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:117 Resp: 181531

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.1	112.7
201	102.9	80.1	120.1



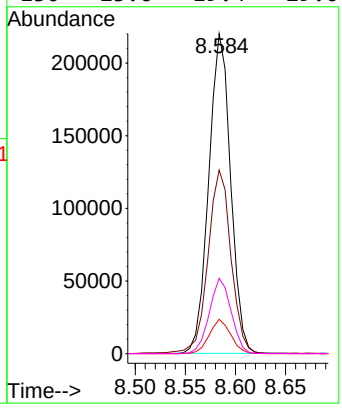


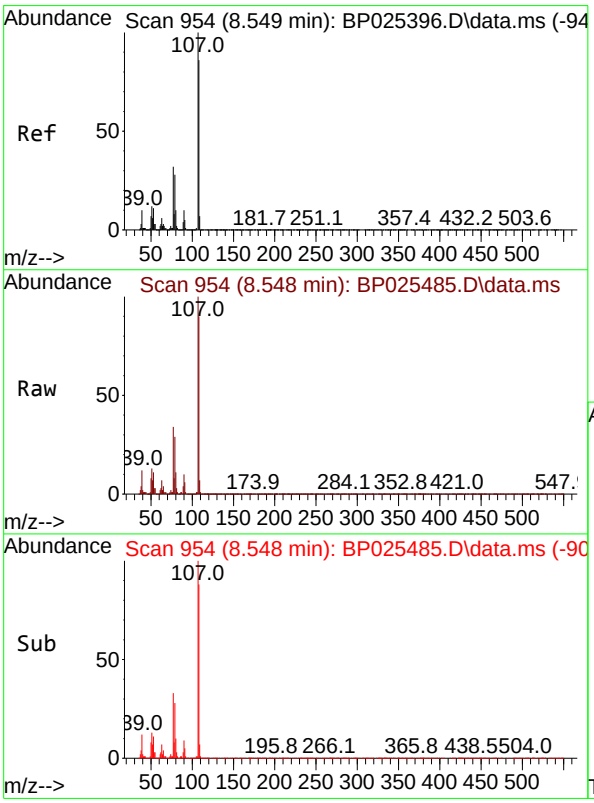
#19
n-Nitroso-di-n-propylamine
Concen: 41.084 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 333778

Ion	Ratio	Lower	Upper
70	100		
42	57.4	43.8	65.6
101	10.7	8.5	12.7
130	23.6	19.4	29.0

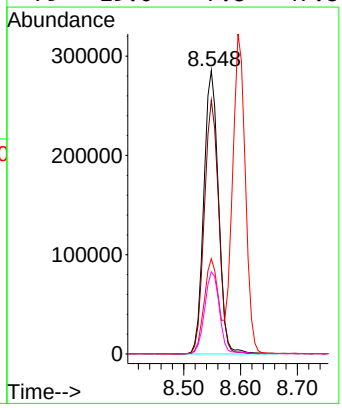


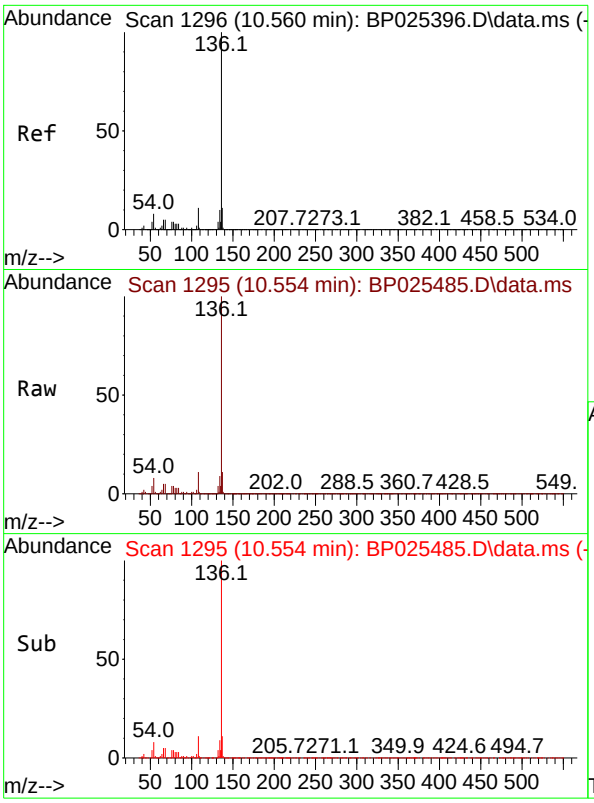


#20
3+4-Methylphenols
Concen: 41.150 ng
RT: 8.548 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:107 Resp: 509860

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.6	12.3	52.3
79	29.0	7.8	47.8



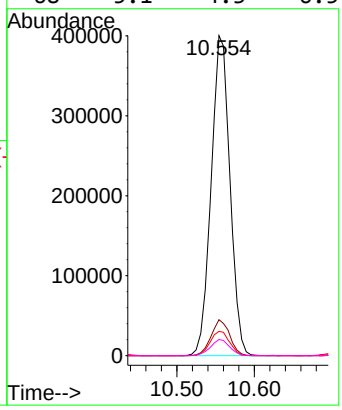


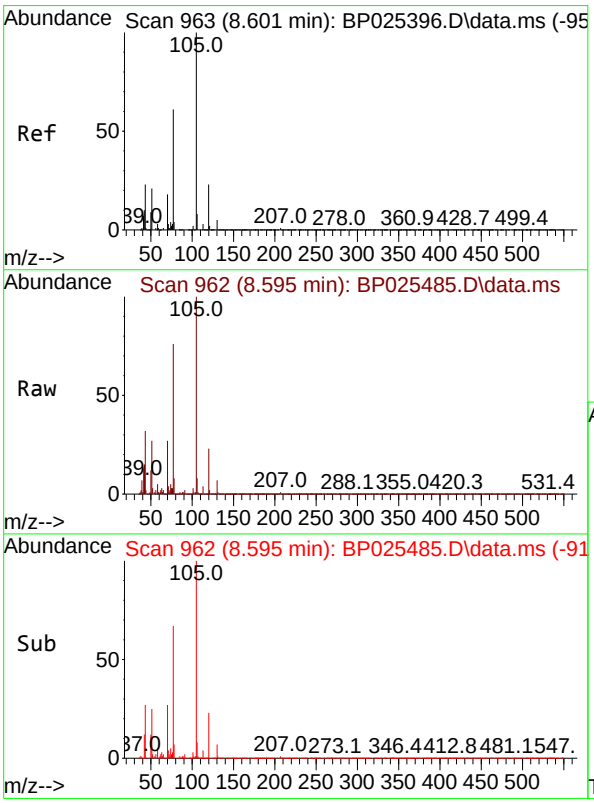
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 675660

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

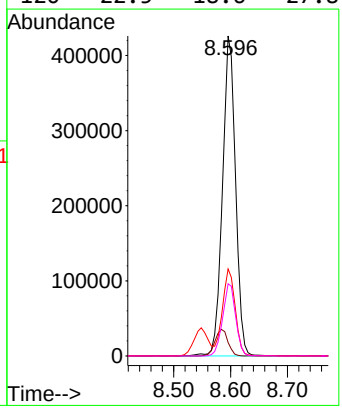


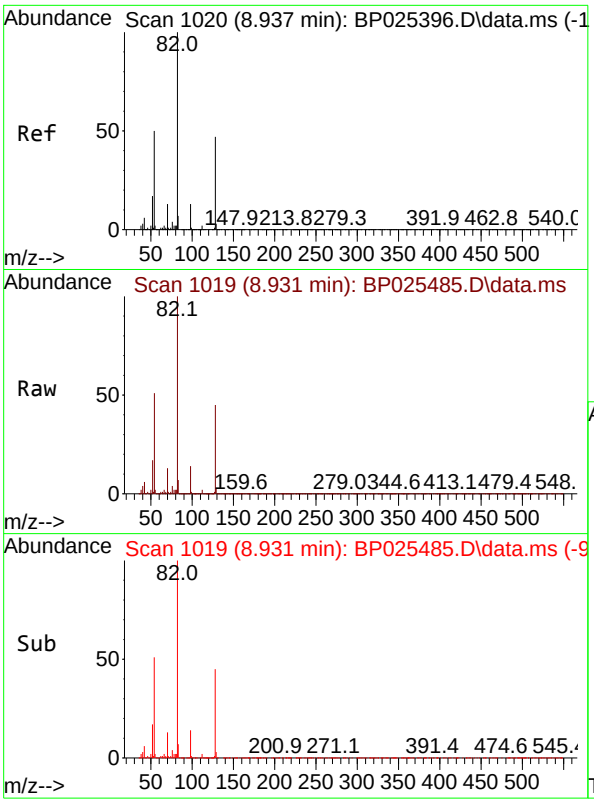


#22
Acetophenone
Concen: 40.318 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:105 Resp: 683158

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	27.2	20.6	30.8
120	22.5	18.6	27.8



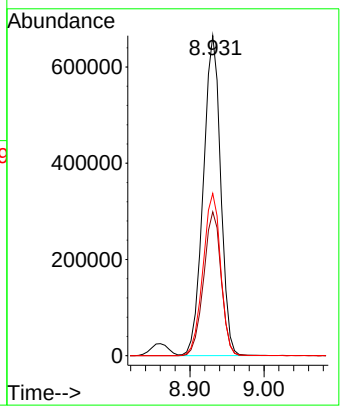


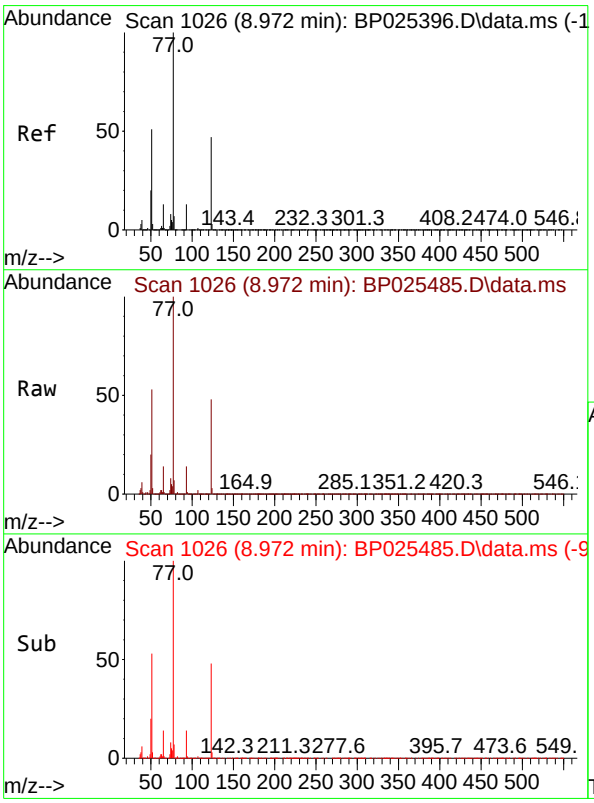
#23
Nitrobenzene-d5
Concen: 80.839 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1079756

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.7	56.5
54	50.7	39.8	59.6

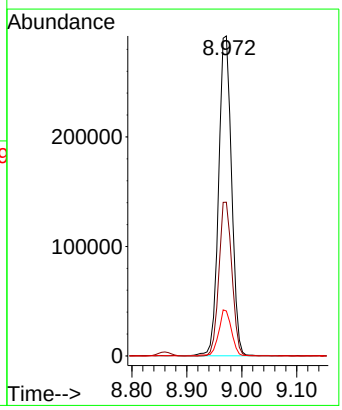


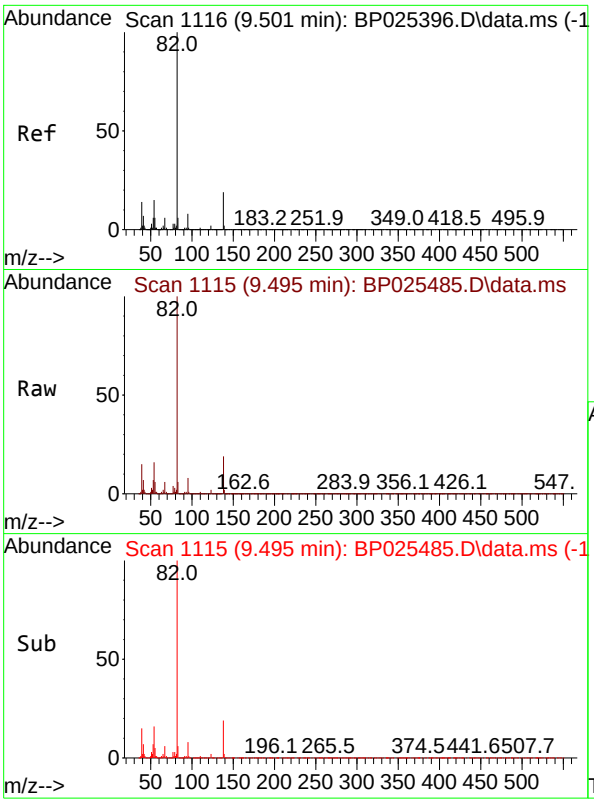


#24
Nitrobenzene
Concen: 40.010 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 77 Resp: 477609

Ion	Ratio	Lower	Upper
77	100		
123	48.1	38.6	58.0
65	14.1	10.6	15.8



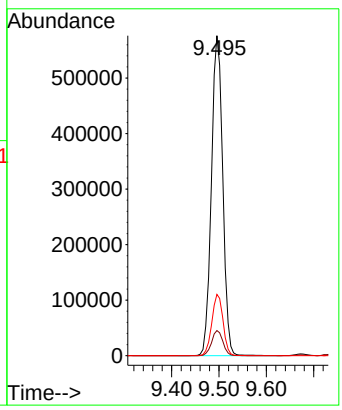


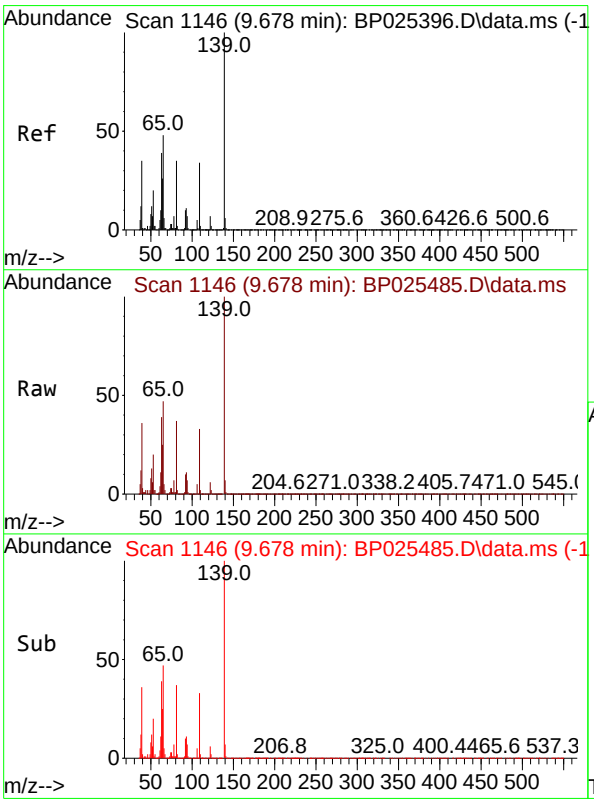
#25
Isophorone
Concen: 40.496 ng
RT: 9.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 957244

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	19.2	15.4	23.0

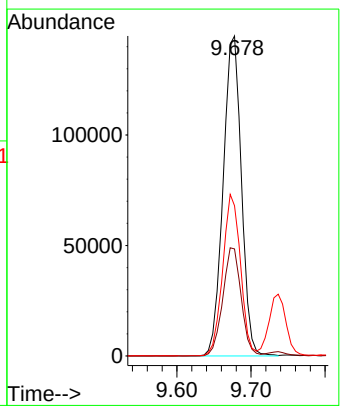


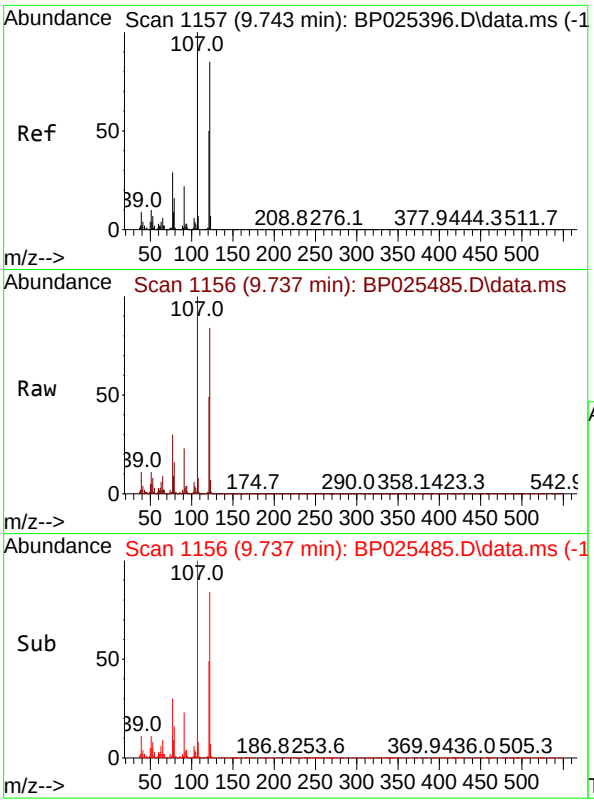


#26
2-Nitrophenol
Concen: 40.455 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:139 Resp: 247838

Ion	Ratio	Lower	Upper
139	100		
109	33.5	26.9	40.3
65	46.9	38.3	57.5



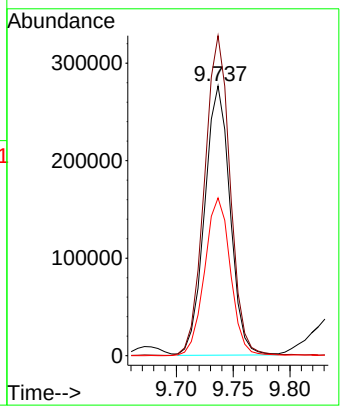


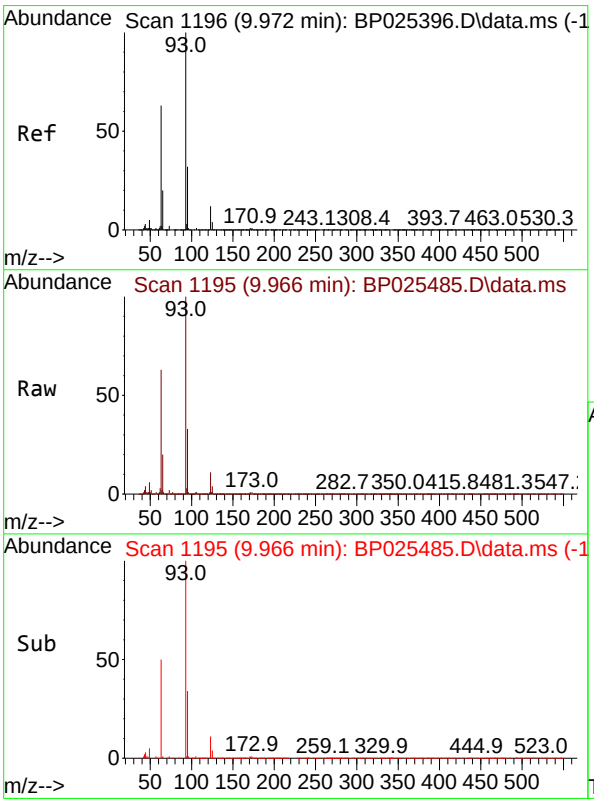
#27
2,4-Dimethylphenol
Concen: 40.920 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 431106

Ion	Ratio	Lower	Upper
122	100		
107	118.6	93.7	140.5
121	58.5	46.6	69.8

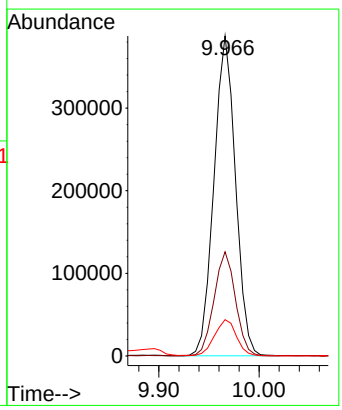


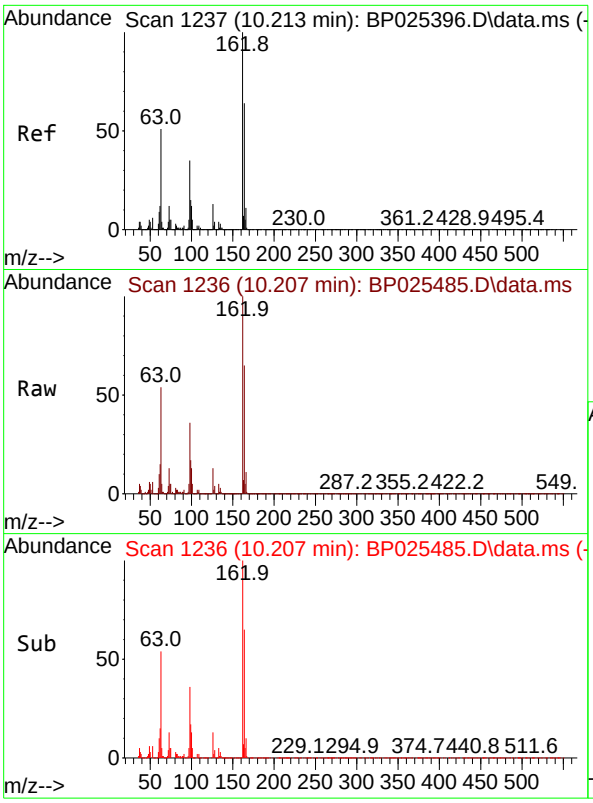


#28
bis(2-Chloroethoxy)methane
Concen: 40.432 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 93 Resp: 577727

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.4	9.4	14.0



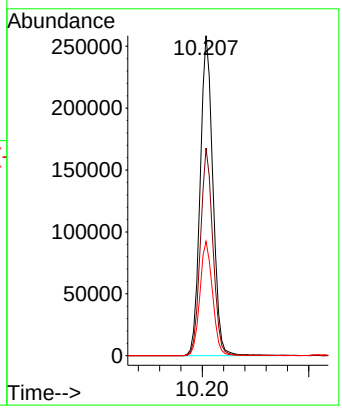


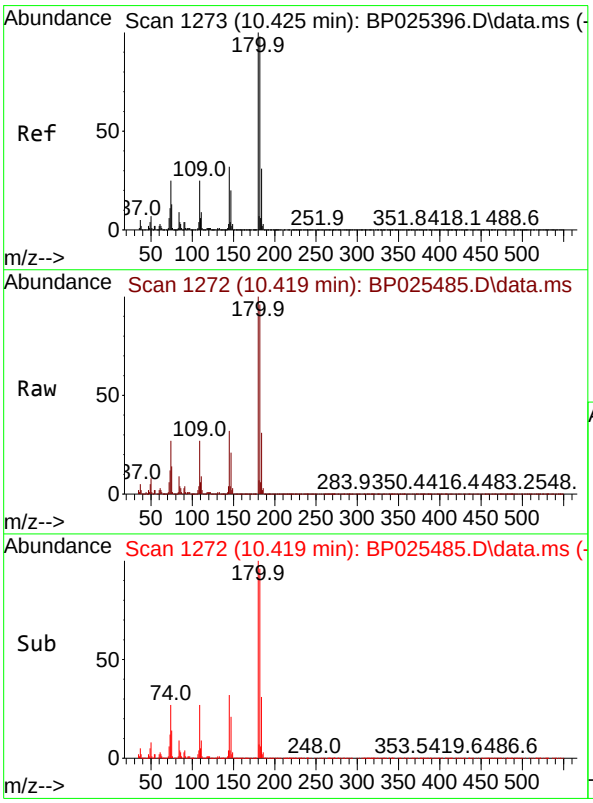
#29
2,4-Dichlorophenol
Concen: 40.902 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 428064

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.4	84.4
98	35.7	14.9	54.9

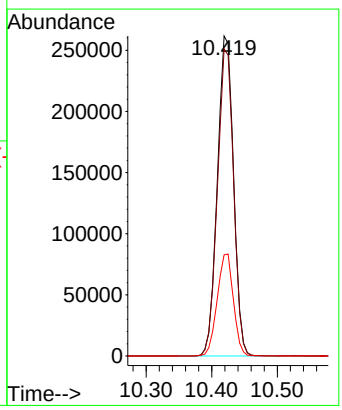


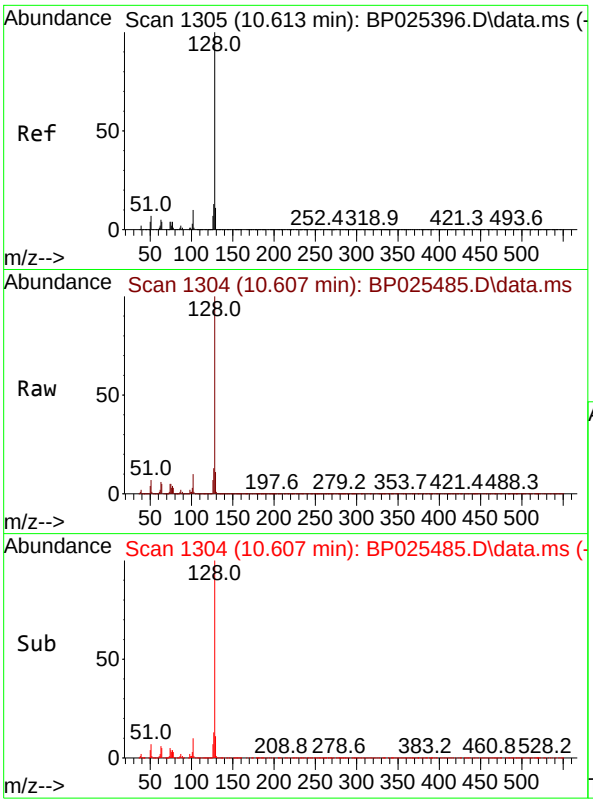


#30
1,2,4-Trichlorobenzene
Concen: 38.959 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:180 Resp: 446960

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.6	25.9	38.9



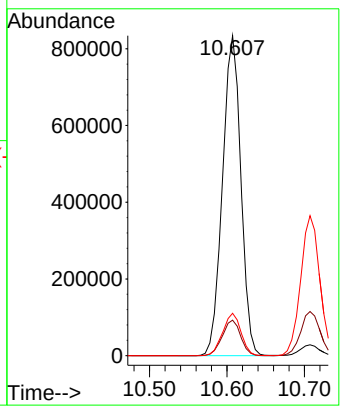


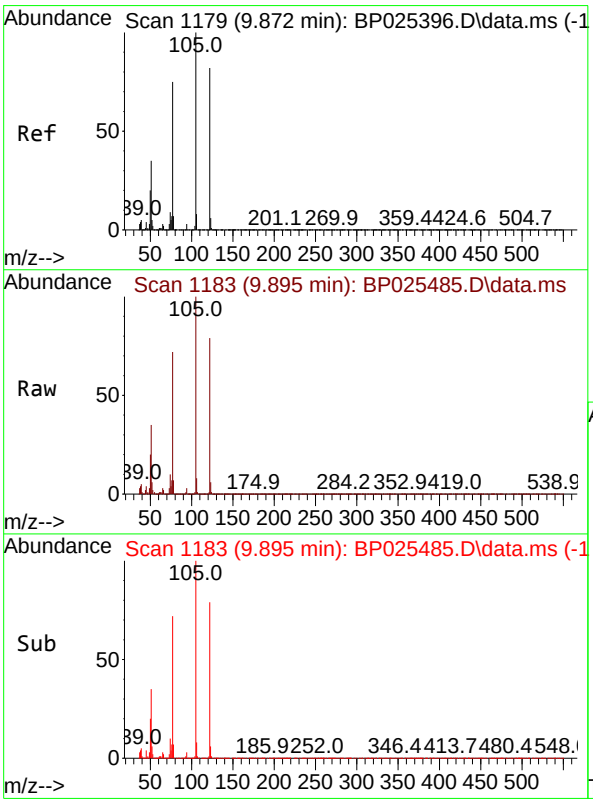
#31
Naphthalene
Concen: 39.195 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1376450

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.2	10.7	16.1

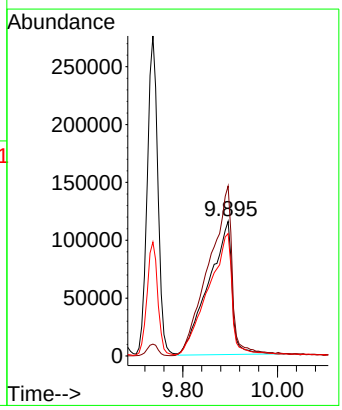


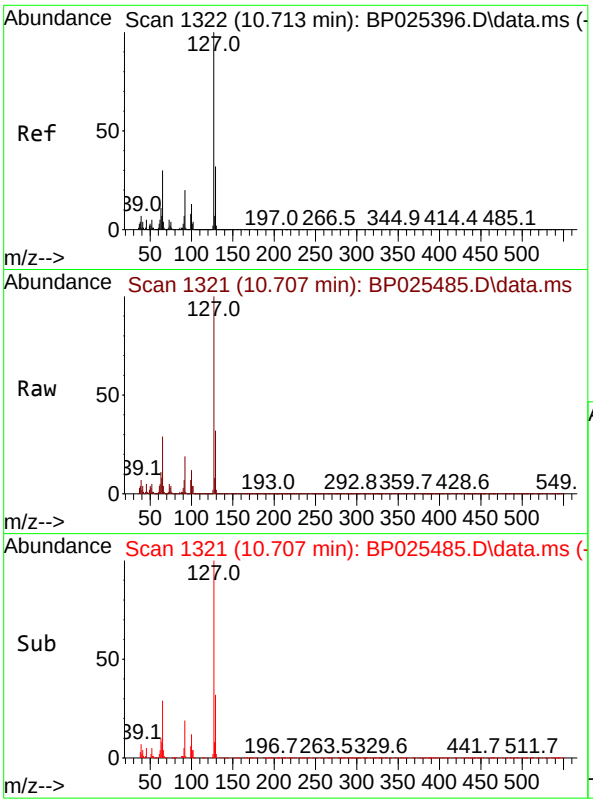


#32
Benzoic acid
Concen: 51.243 ng
RT: 9.895 min Scan# 1183
Delta R.T. 0.023 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:122 Resp: 398565

Ion	Ratio	Lower	Upper
122	100		
105	126.2	100.6	140.6
77	90.9	71.5	111.5



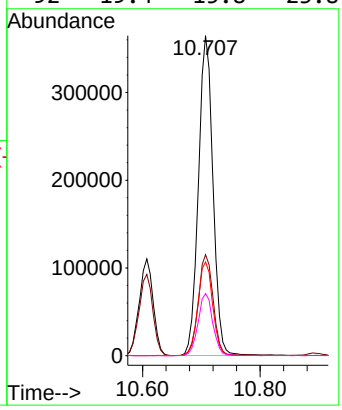


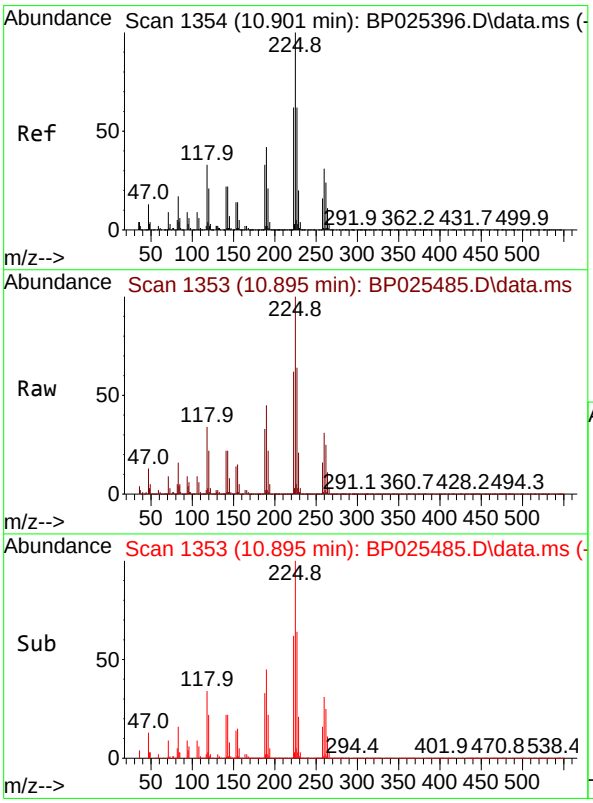
#33
4-Chloroaniline
Concen: 40.476 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 627874

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	29.3	23.8	35.6
92	19.4	15.8	23.8

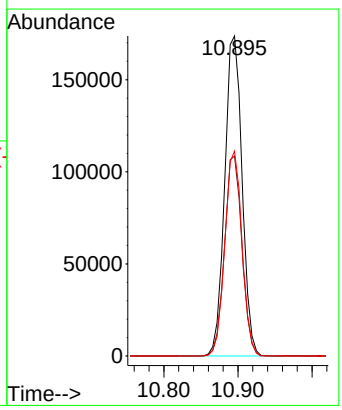


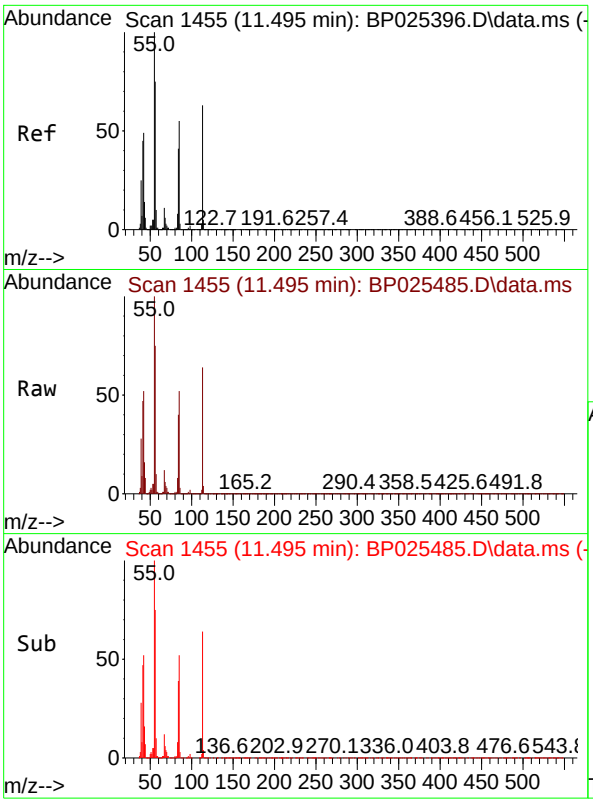


#34
Hexachlorobutadiene
Concen: 39.534 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:225 Resp: 282466

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.0	75.0
227	64.0	49.7	74.5



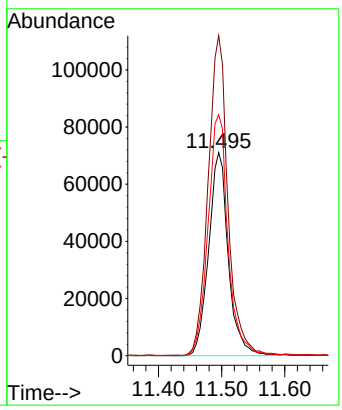


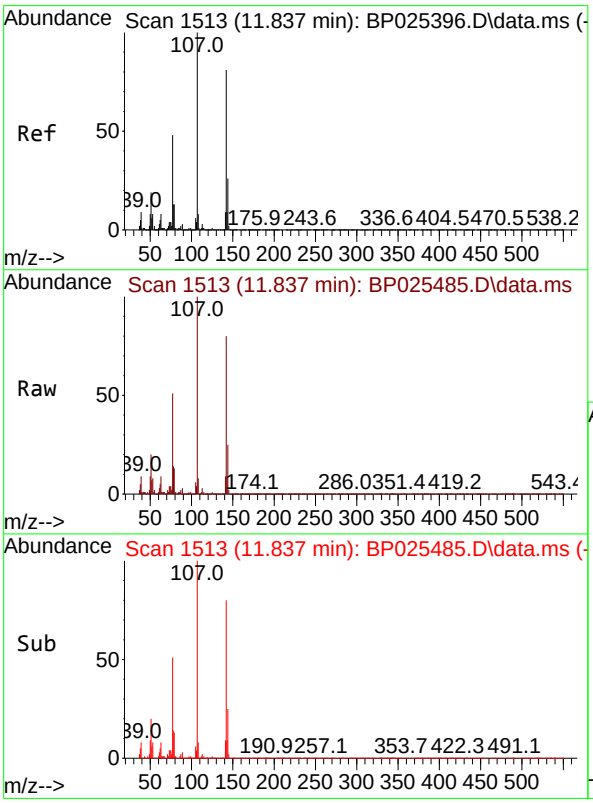
#35
Caprolactam
Concen: 39.925 ng
RT: 11.495 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 153213

Ion	Ratio	Lower	Upper
113	100		
55	157.5	140.0	180.0
56	118.6	100.0	140.0

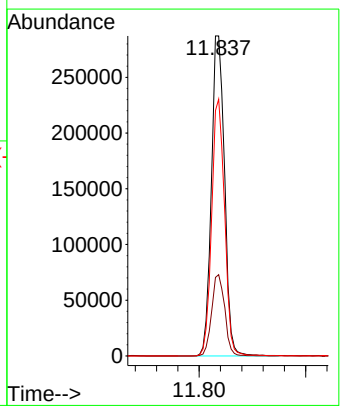


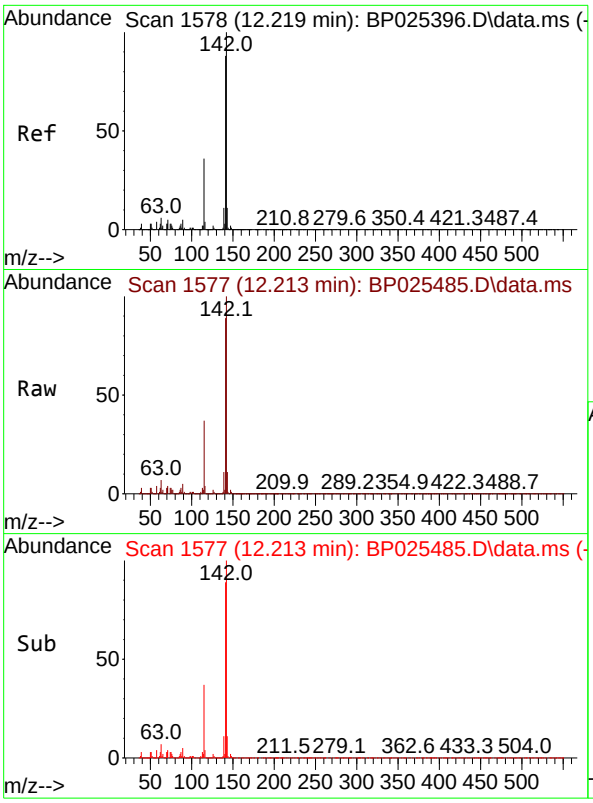


#36
4-Chloro-3-methylphenol
Concen: 41.048 ng
RT: 11.837 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:107 Resp: 492944

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	80.2	64.6	97.0



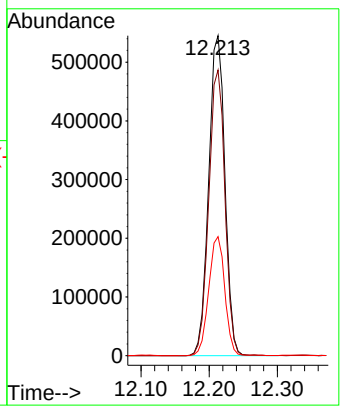


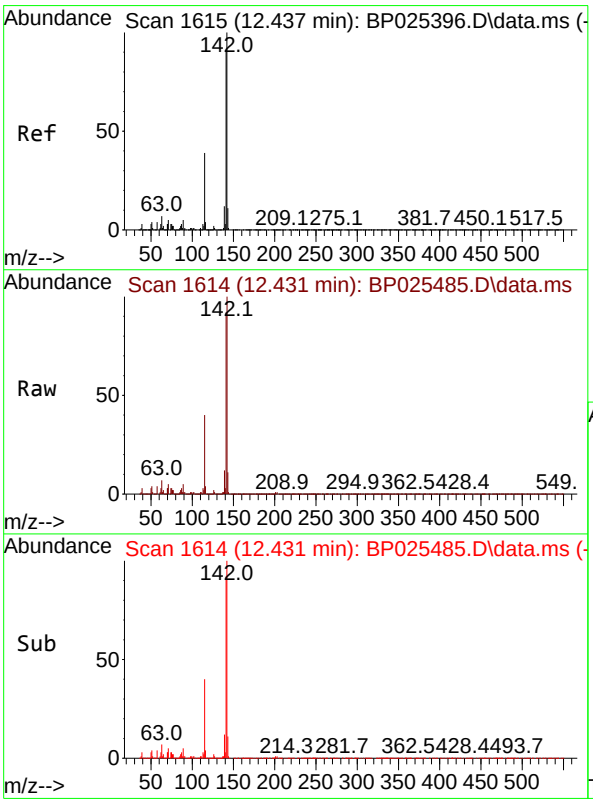
#37
2-Methylnaphthalene
Concen: 39.572 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 904354

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	37.2	28.9	43.3

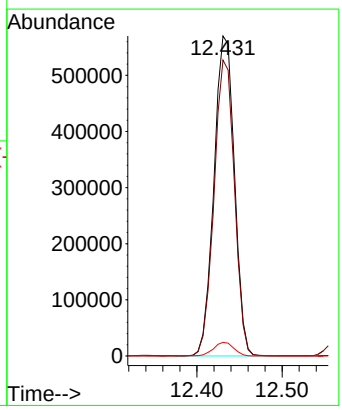


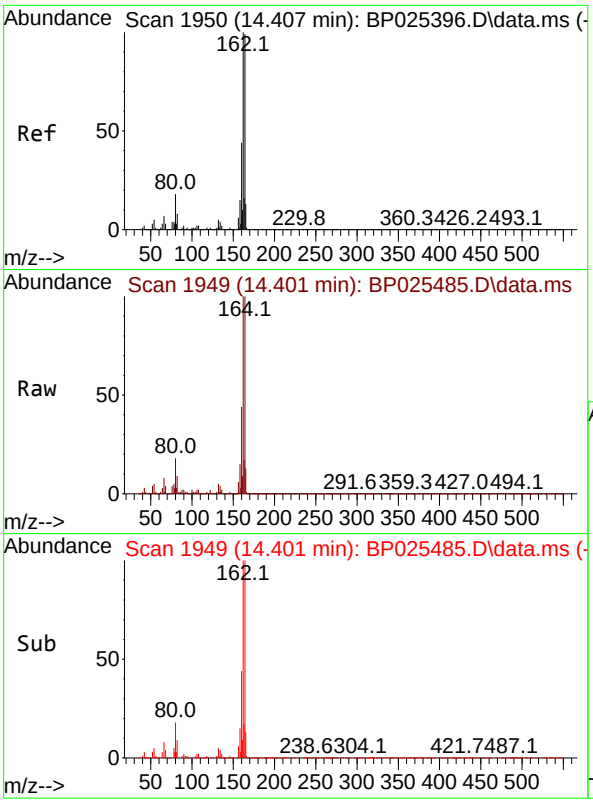


#38
1-Methylnaphthalene
Concen: 39.191 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:142 Resp: 952498

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.1	109.7
116	4.2	3.2	4.8



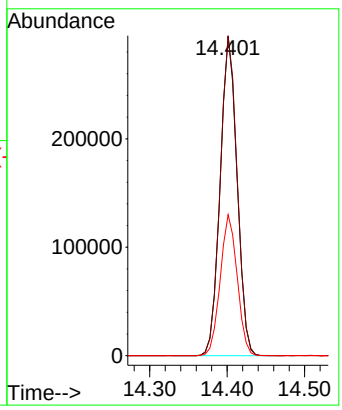


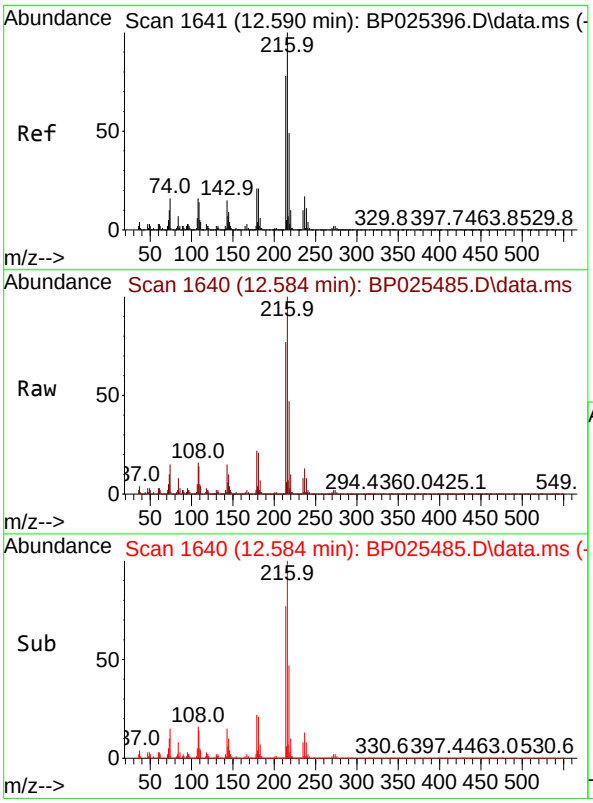
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 445771

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.6
160	44.1	35.4	53.2

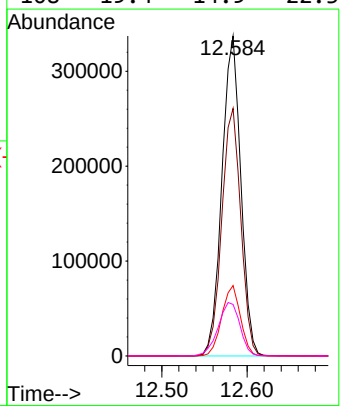


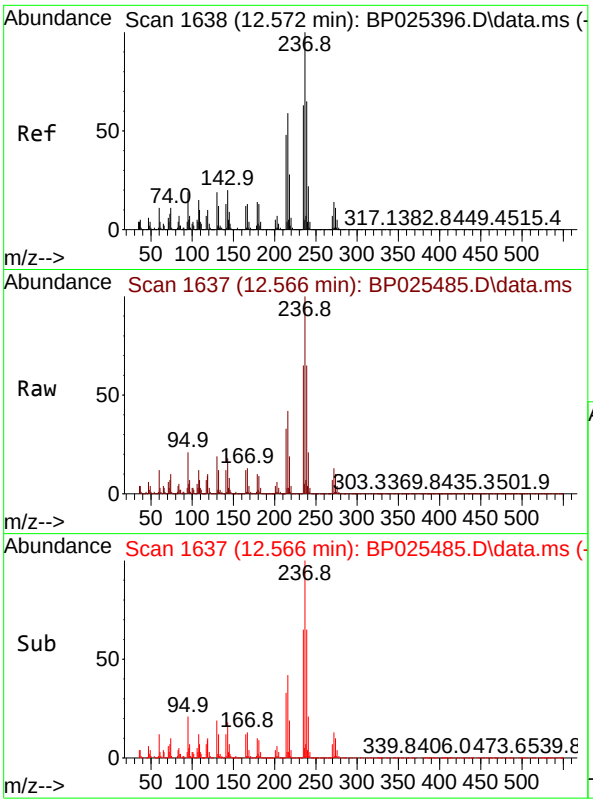


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.309 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:216 Resp: 518947

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.0	94.4
179	21.8	17.1	25.7
108	19.4	14.9	22.3



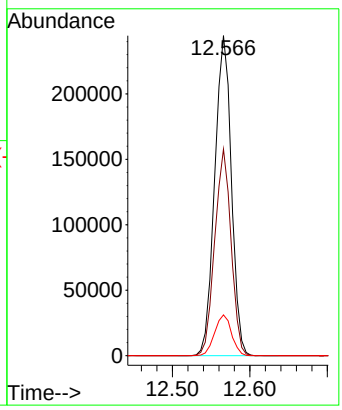


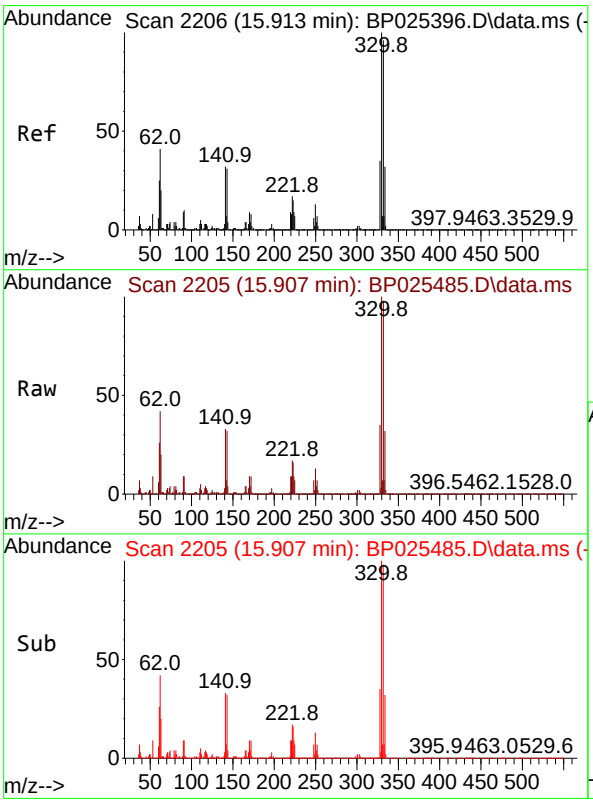
#41
Hexachlorocyclopentadiene
Concen: 46.958 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 365177

Ion	Ratio	Lower	Upper
237	100		
235	64.6	42.7	82.7
272	12.8	0.0	34.0

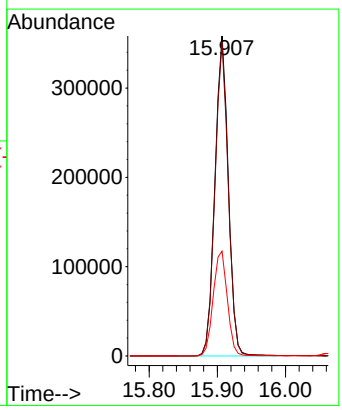


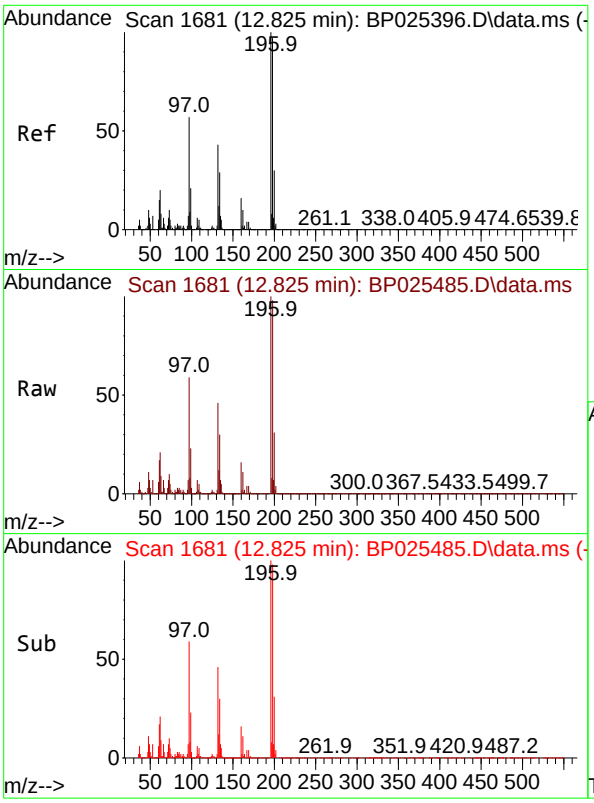


#42
2,4,6-Tribromophenol
Concen: 81.593 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:330 Resp: 489565

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	34.6	26.6	39.8



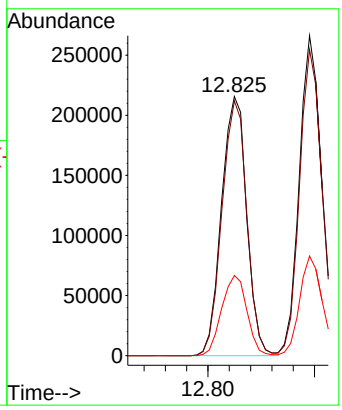


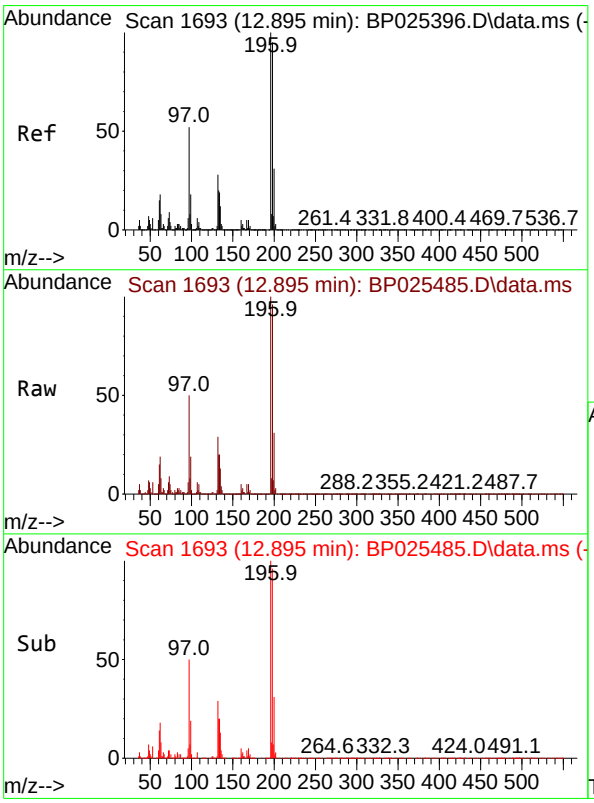
#43
2,4,6-Trichlorophenol
Concen: 40.748 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 354164

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.2	115.8
200	30.9	23.9	35.9

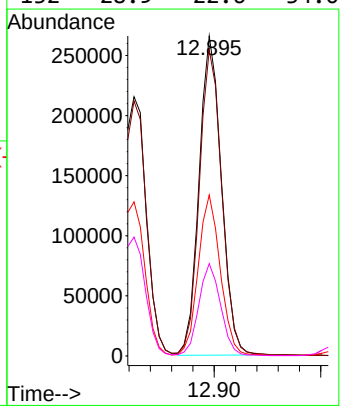


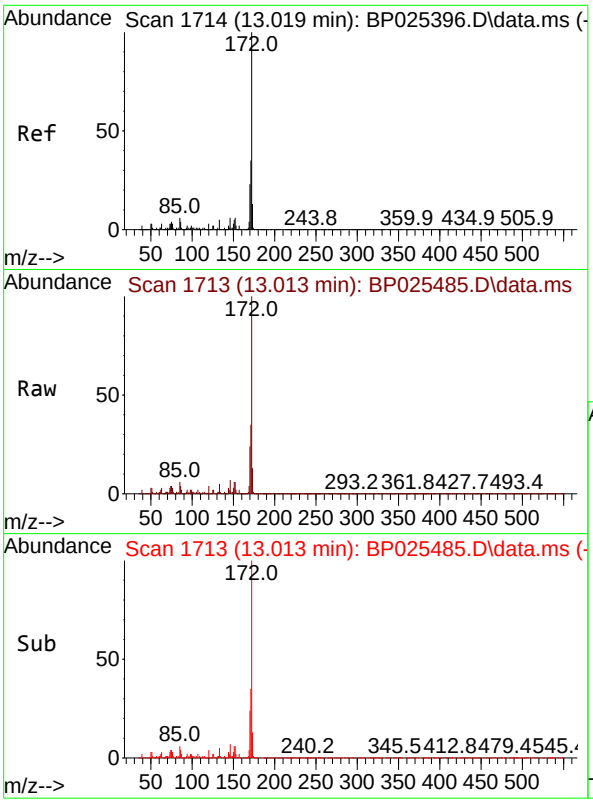


#44
2,4,5-Trichlorophenol
Concen: 40.661 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:196 Resp: 387326

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
97	50.3	41.2	61.8
132	28.9	22.6	34.0



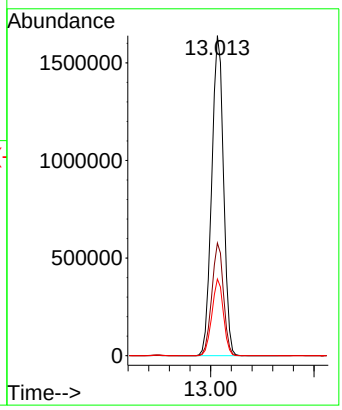


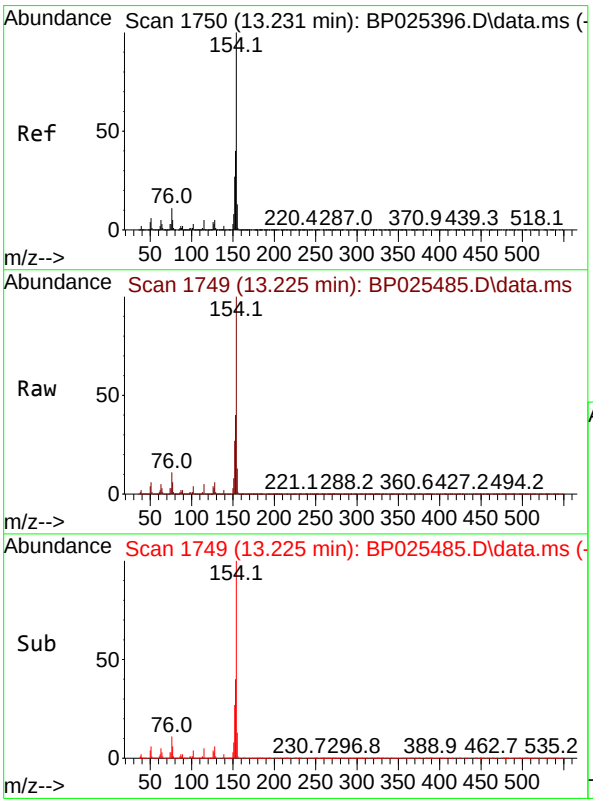
#45
2-Fluorobiphenyl
Concen: 79.555 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2594828

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.9	18.6	28.0

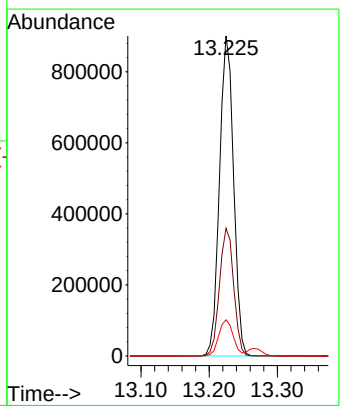


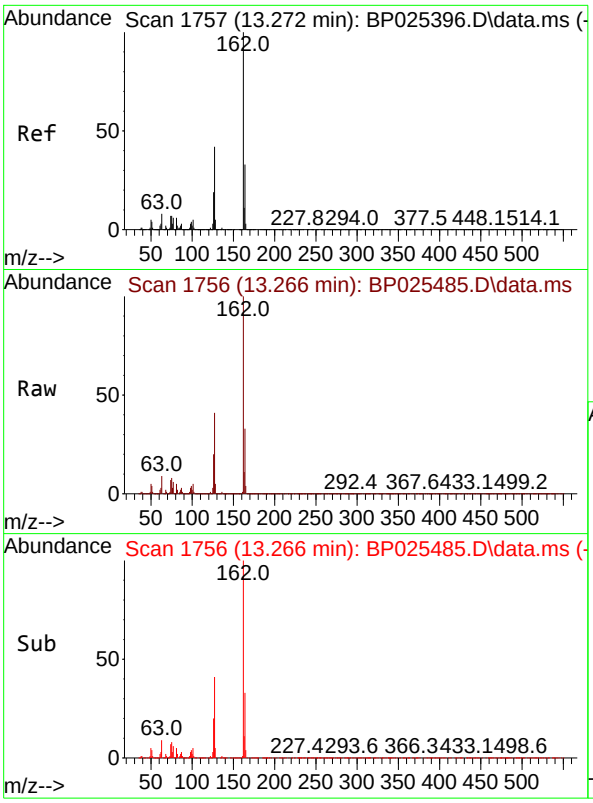


#46
1,1'-Biphenyl
Concen: 39.926 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:154 Resp: 1292572

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.5	59.5
76	11.3	0.0	31.1



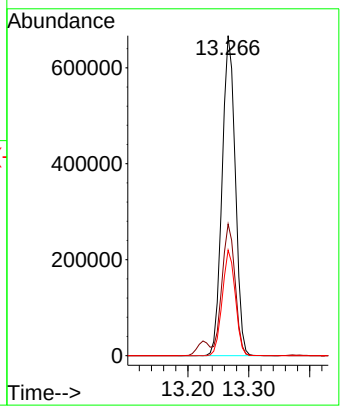


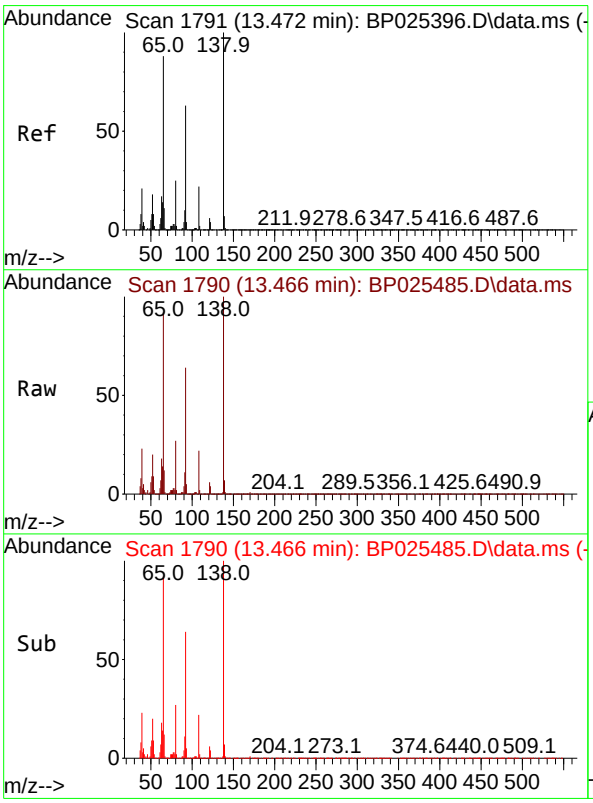
#47
2-Chloronaphthalene
Concen: 39.925 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1006226

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.4	50.2
164	33.0	26.2	39.2

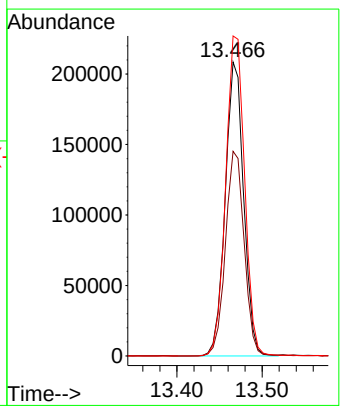


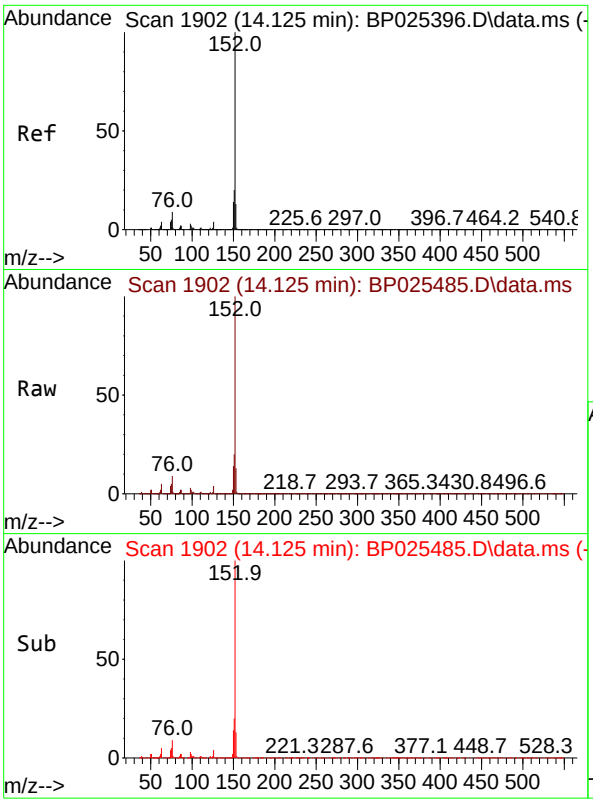


#48
2-Nitroaniline
Concen: 42.716 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion: 65 Resp: 313692

Ion	Ratio	Lower	Upper
65	100		
92	69.6	57.6	86.4
138	108.9	91.0	136.6



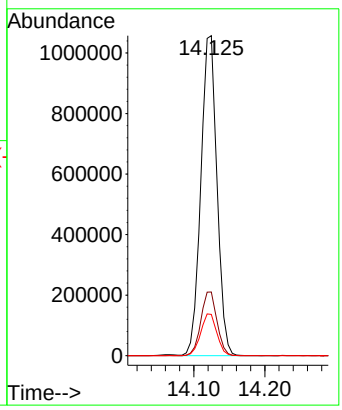


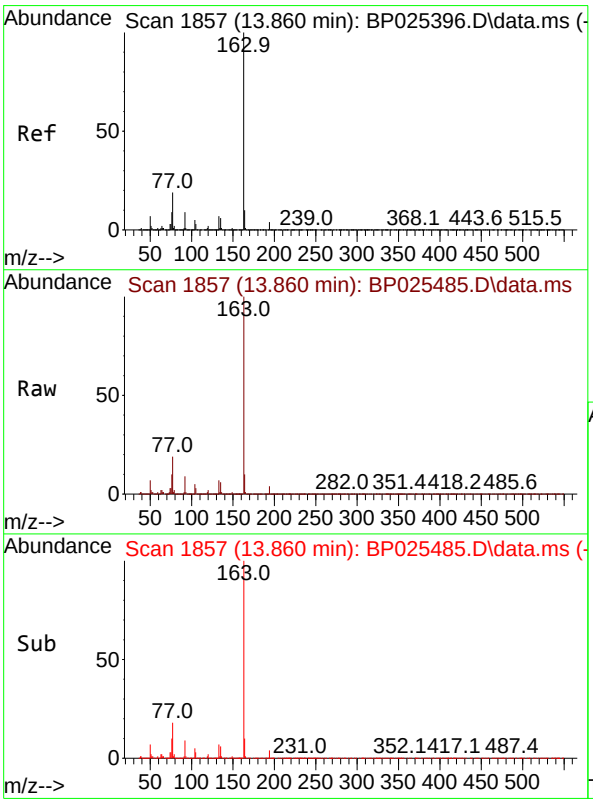
#49
Acenaphthylene
Concen: 40.032 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1669485

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.9	10.6	15.8

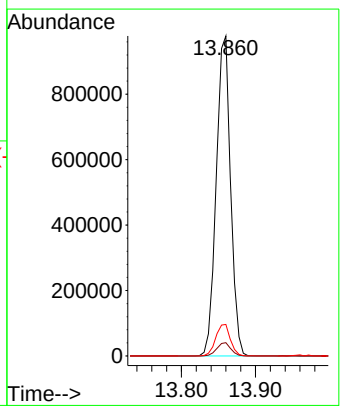


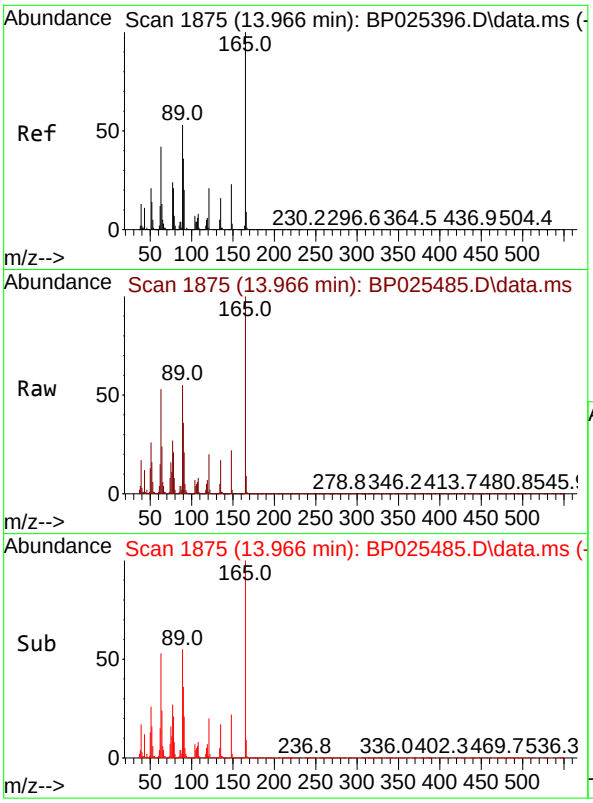


#50
Dimethylphthalate
Concen: 40.193 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:163 Resp: 1312044

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.8	7.9	11.9



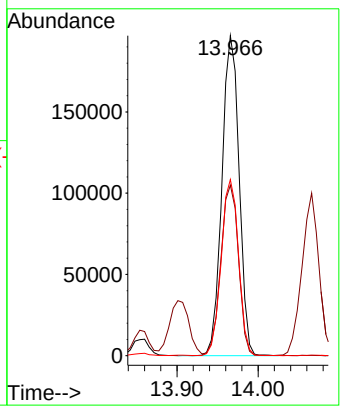


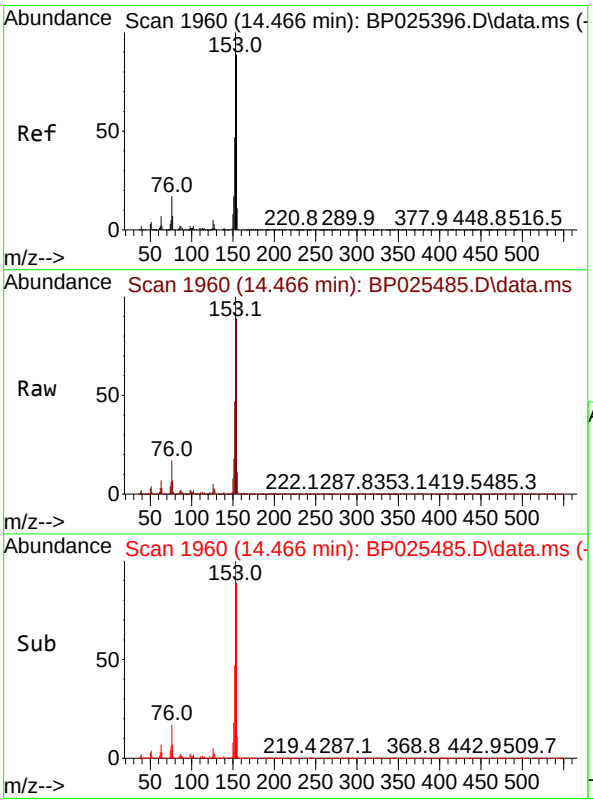
#51
2,6-Dinitrotoluene
Concen: 42.121 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 289803

Ion	Ratio	Lower	Upper
165	100		
63	53.3	40.9	61.3
89	55.0	42.1	63.1

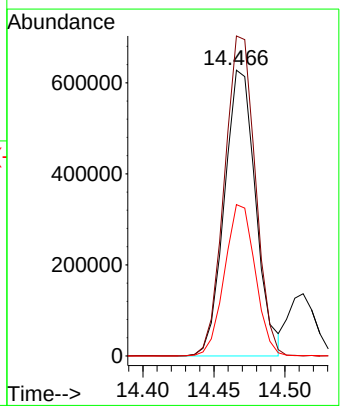


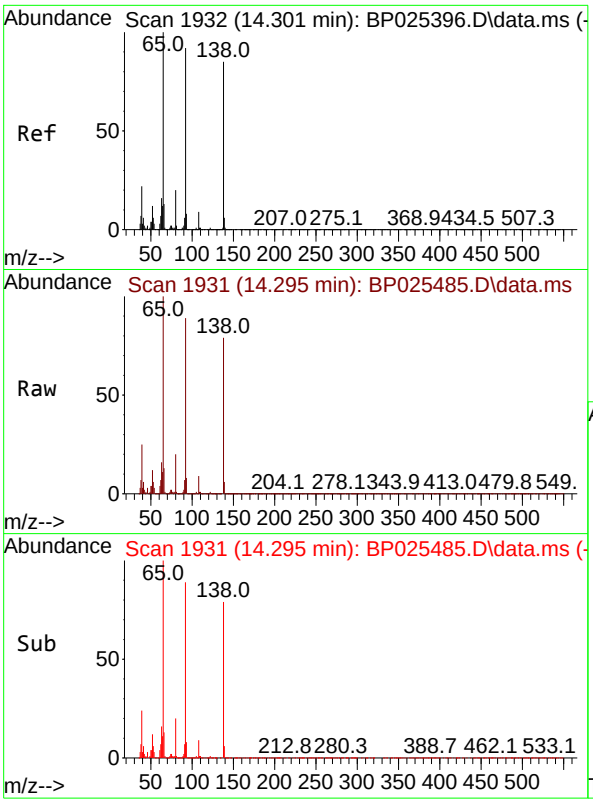


#52
Acenaphthene
Concen: 39.288 ng
RT: 14.466 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:154 Resp: 961749

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.2	135.2
152	53.0	42.1	63.1



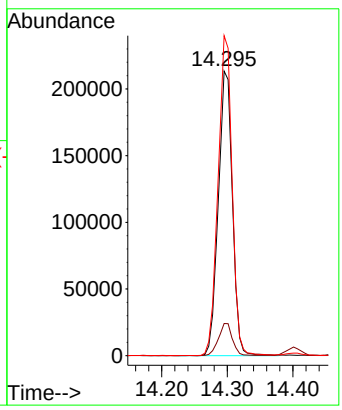


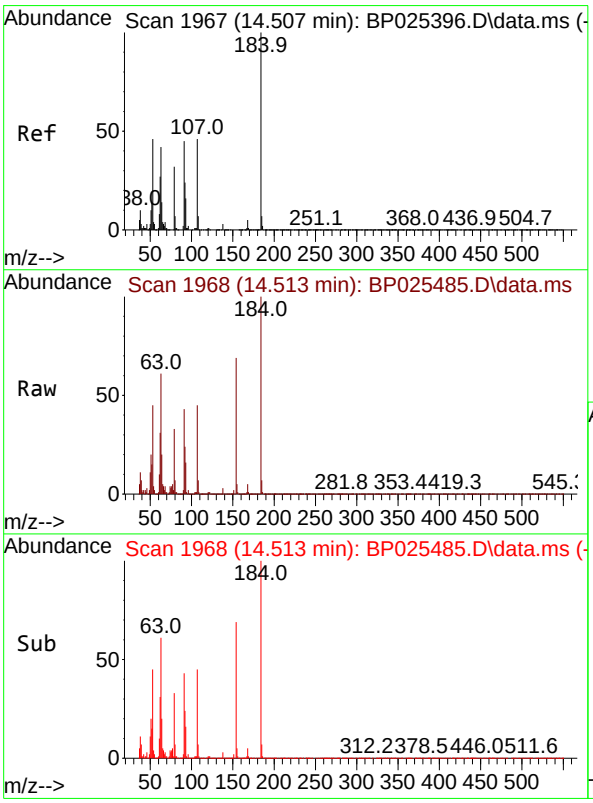
#53
3-Nitroaniline
Concen: 41.010 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 317453

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	112.4	86.2	129.2

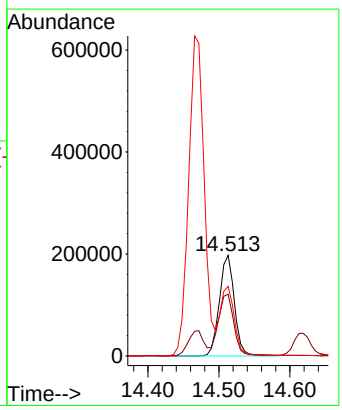


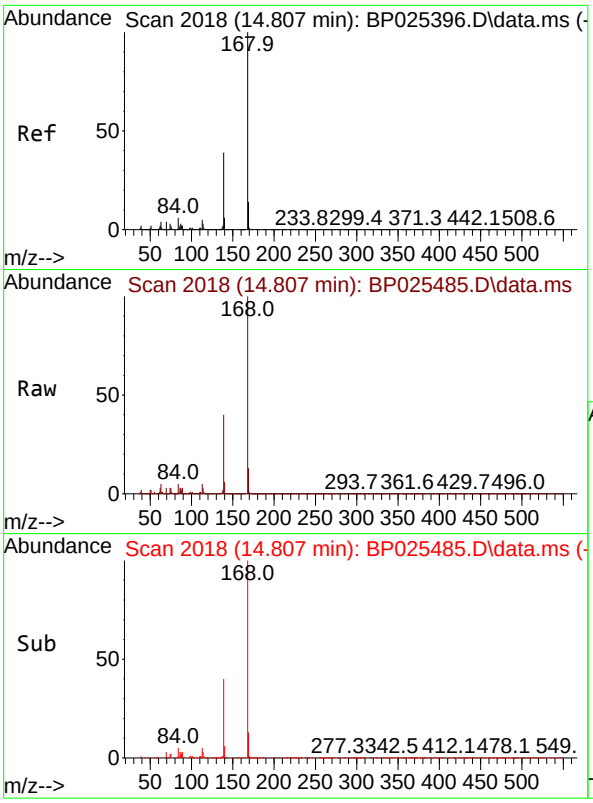


#54
2,4-Dinitrophenol
Concen: 78.876 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:184 Resp: 289809

Ion	Ratio	Lower	Upper
184	100		
63	61.4	49.4	74.2
154	69.2	54.6	82.0



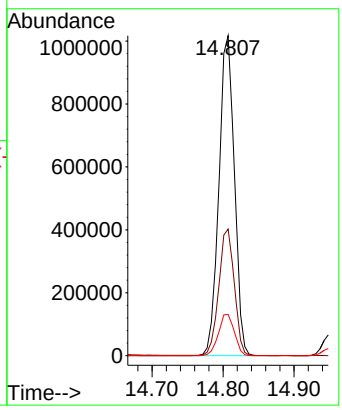


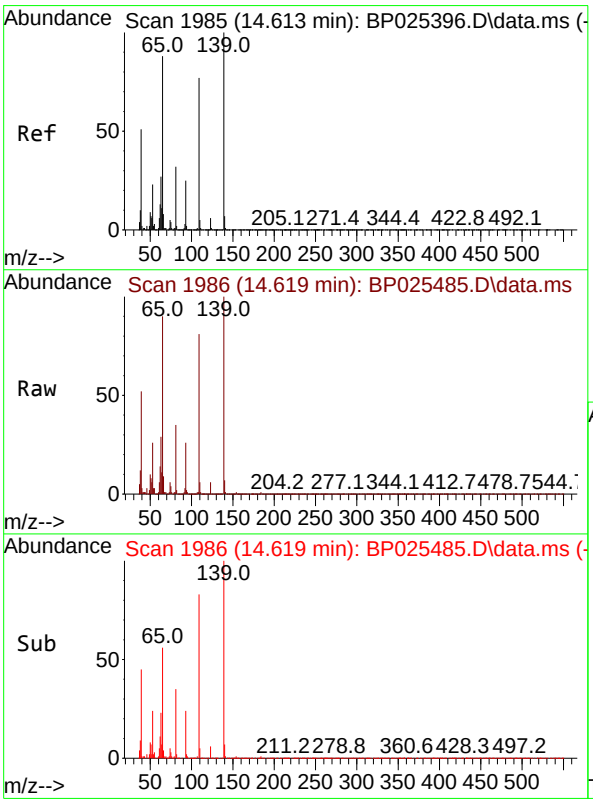
#55
Dibenzofuran
Concen: 39.644 ng
RT: 14.807 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1534315

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	12.9	10.9	16.3

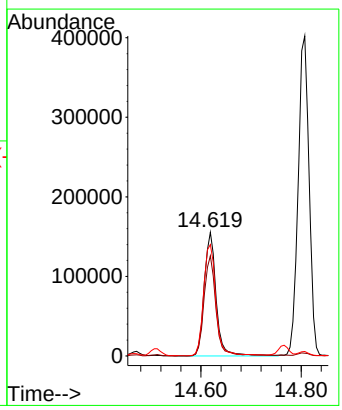


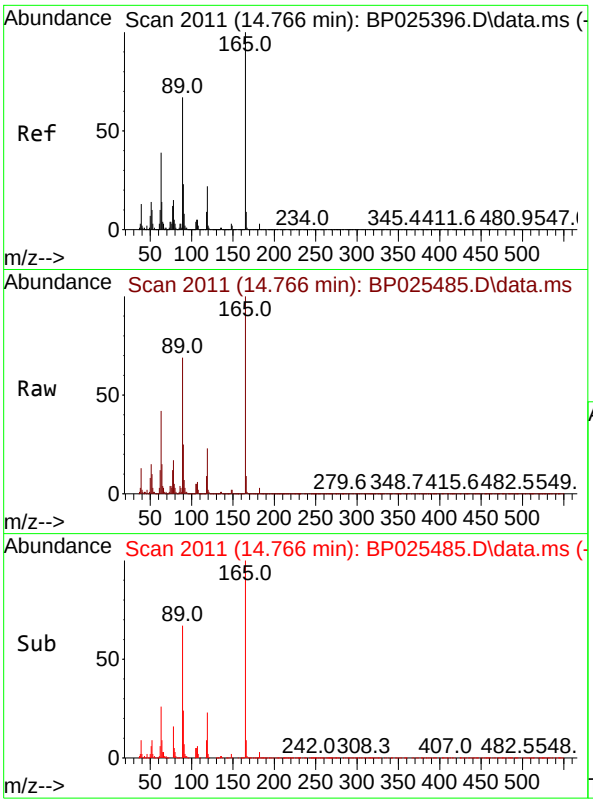


#56
4-Nitrophenol
Concen: 40.416 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:139 Resp: 257090

Ion	Ratio	Lower	Upper
139	100		
109	81.0	56.6	96.6
65	90.0	68.2	108.2



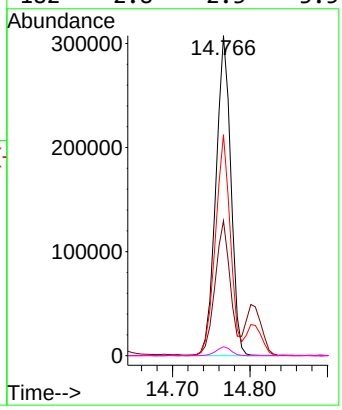


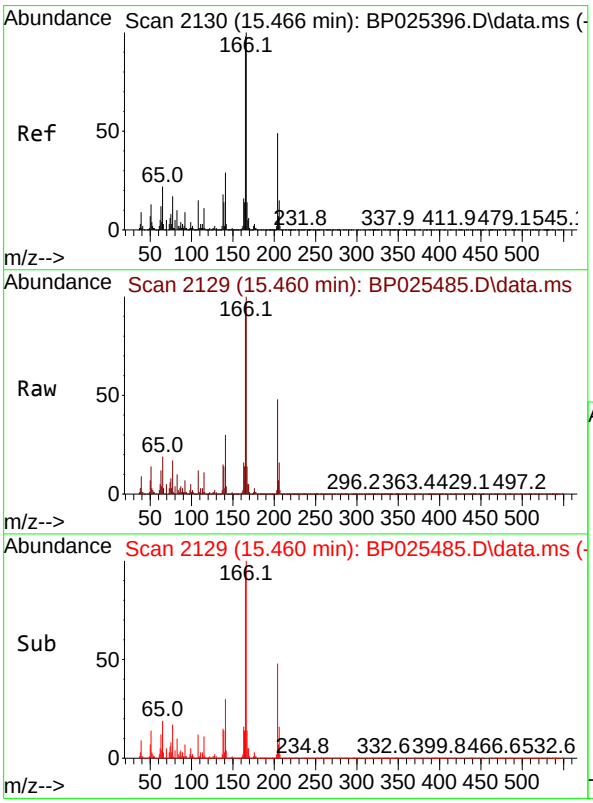
#57
2,4-Dinitrotoluene
Concen: 42.059 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 412864

Ion	Ratio	Lower	Upper
165	100		
63	42.1	31.4	47.2
89	69.1	53.3	79.9
182	2.8	2.3	3.5

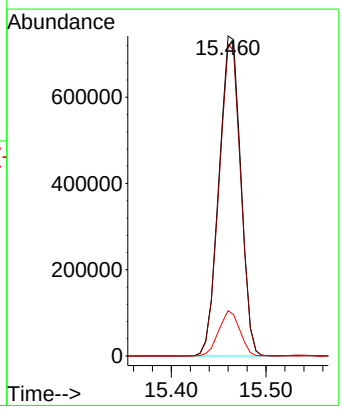


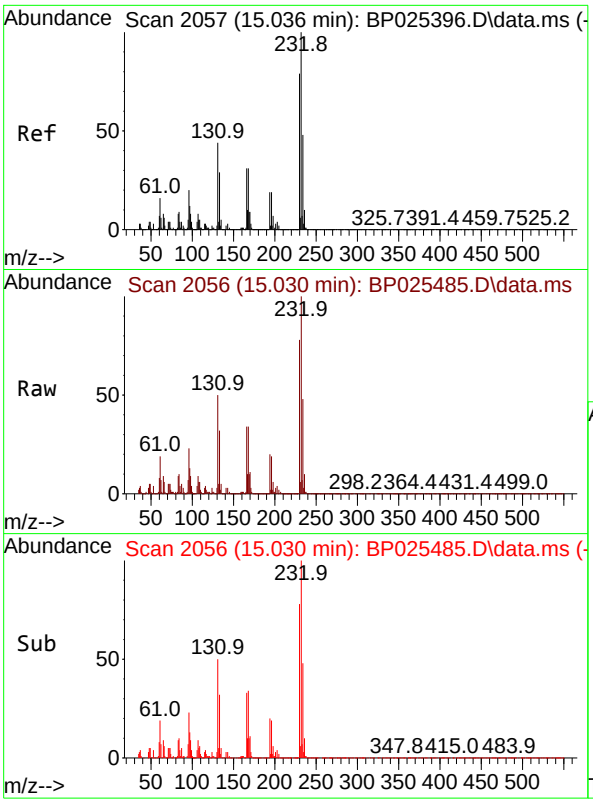


#58
Fluorene
Concen: 38.790 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:166 Resp: 1184590

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	14.2	11.0	16.4



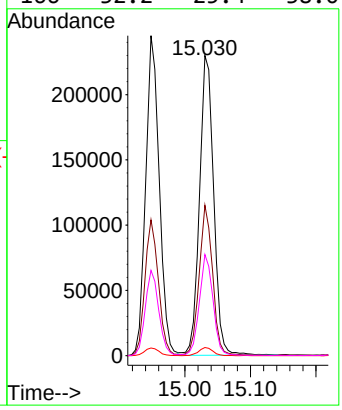


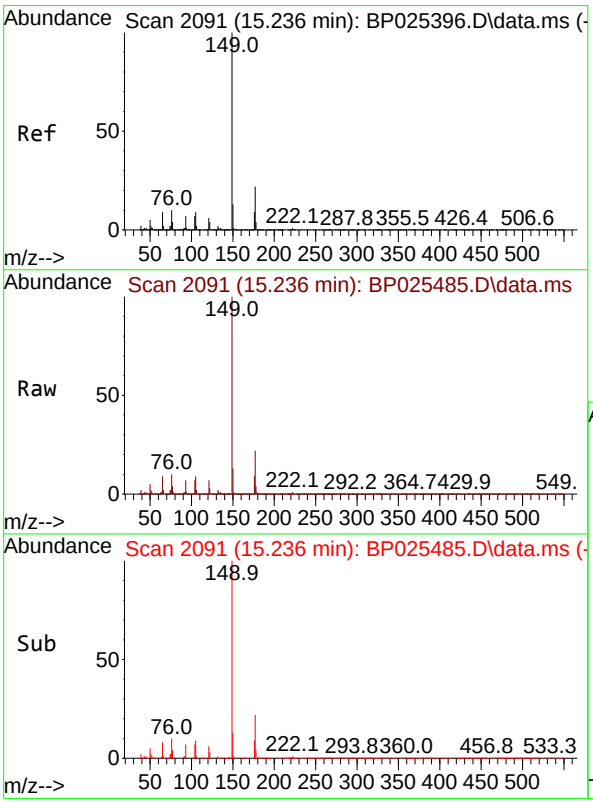
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.236 ng
RT: 15.030 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 346838

Ion	Ratio	Lower	Upper
232	100		
131	47.4	37.0	55.6
130	2.7	1.9	2.9
166	32.2	25.4	38.0

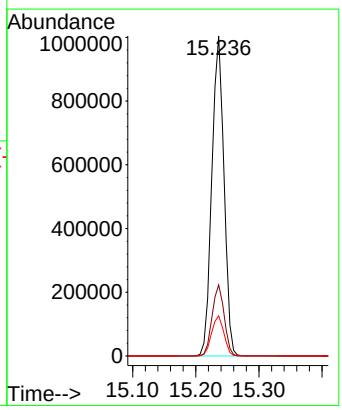


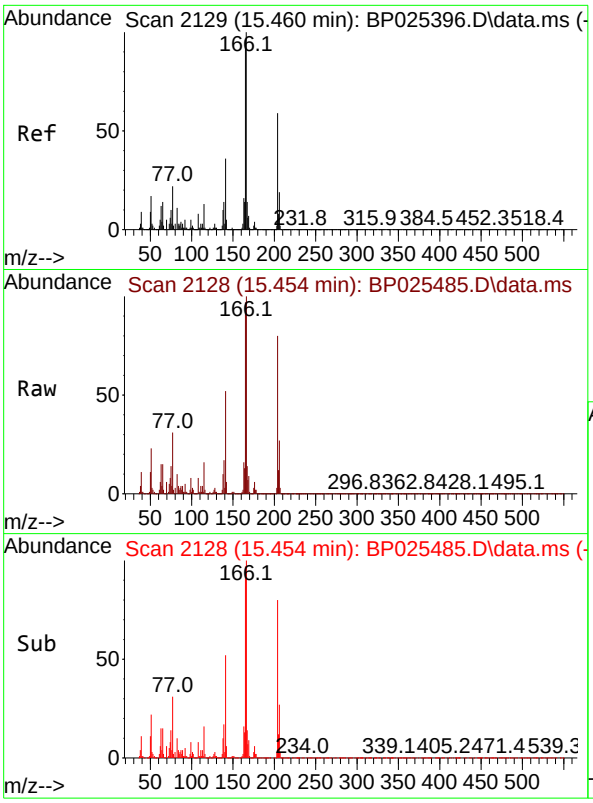


#60
Diethylphthalate
Concen: 40.422 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:149 Resp: 1340756

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.3	25.9
150	12.5	10.3	15.5



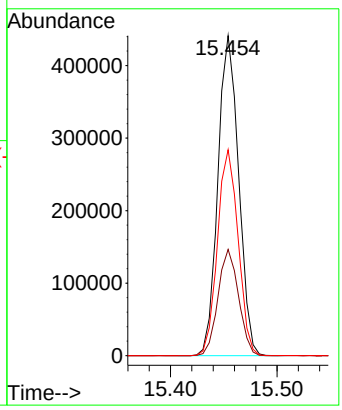


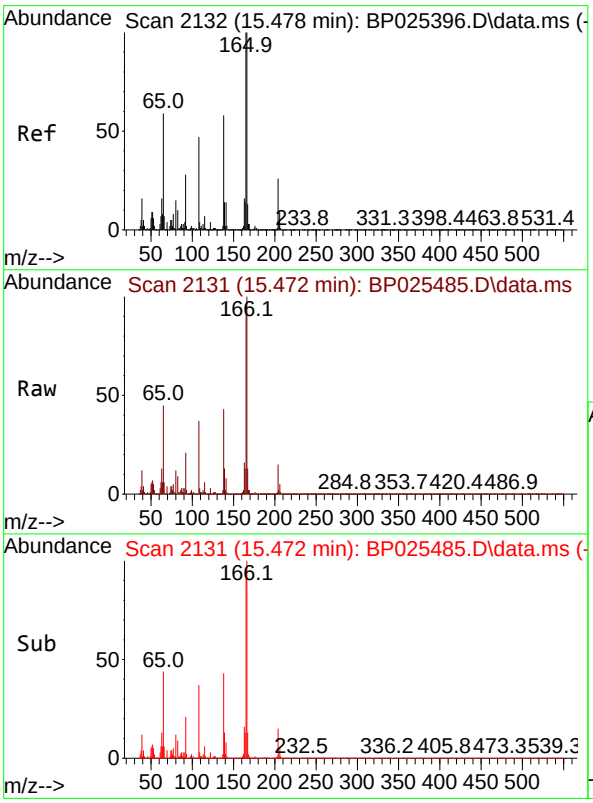
#61
4-Chlorophenyl-phenylether
Concen: 39.215 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 595598

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	64.4	49.4	74.2

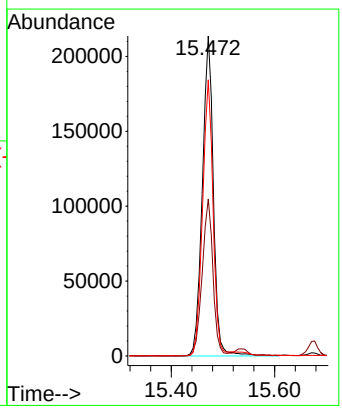


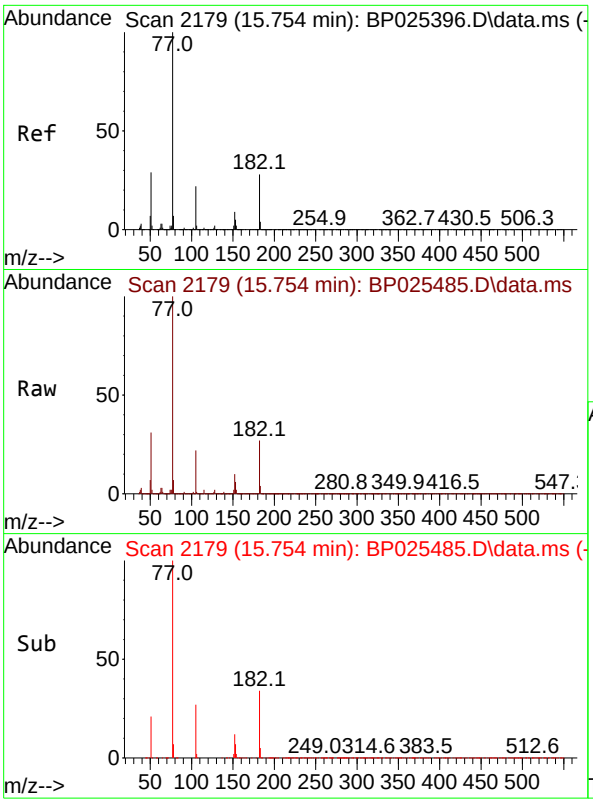


#62
4-Nitroaniline
Concen: 39.899 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:138 Resp: 316634

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	86.3	61.5	101.5



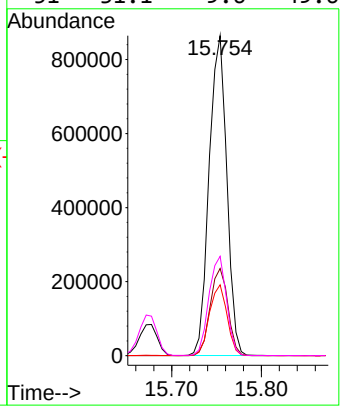


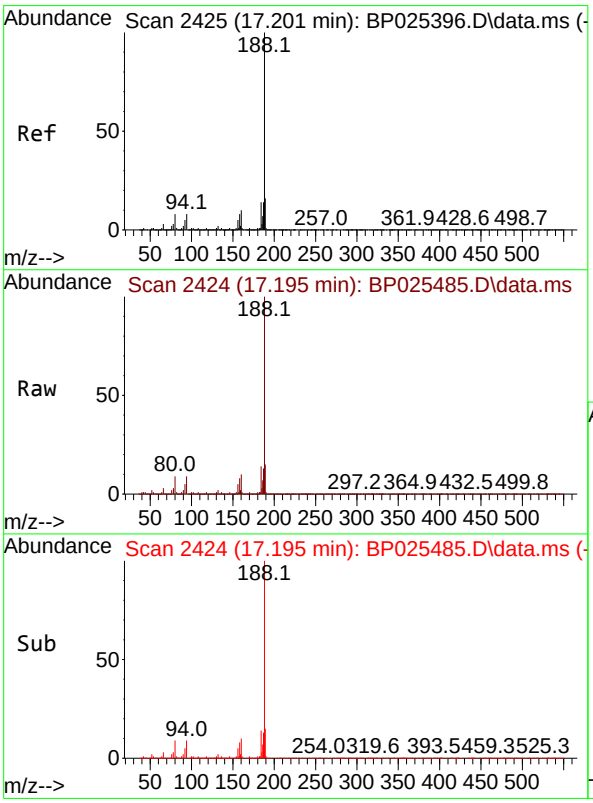
#63
Azobenzene
Concen: 41.554 ng
RT: 15.754 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1180195

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.5	47.5
105	22.1	2.1	42.1
51	31.1	9.6	49.6

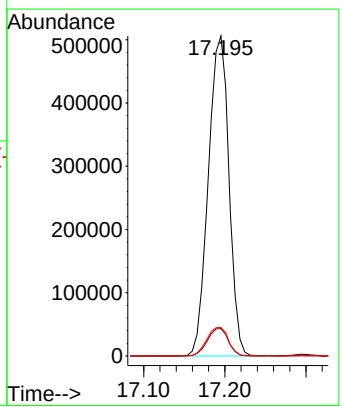


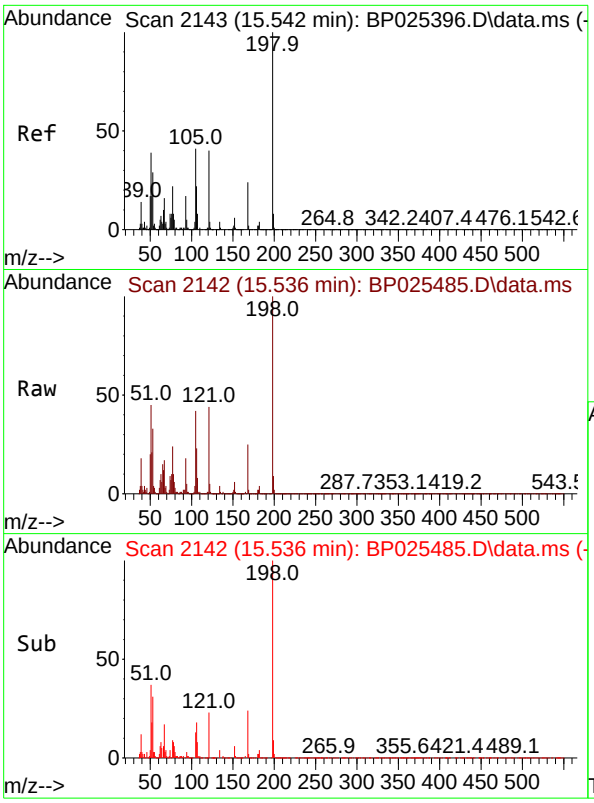


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:188 Resp: 892187

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.9	6.7	10.1



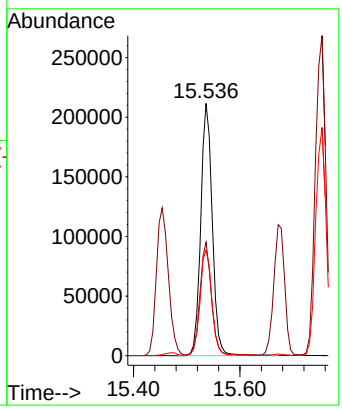


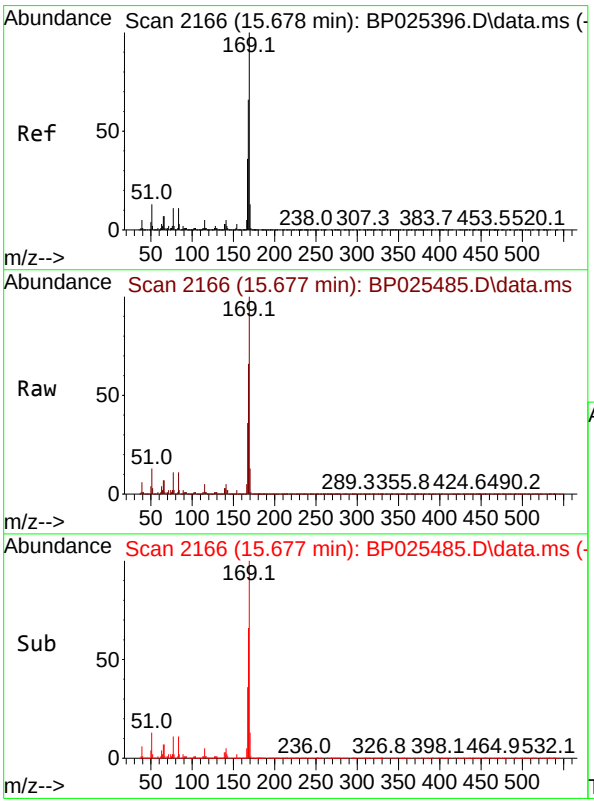
#65
4,6-Dinitro-2-methylphenol
Concen: 57.102 ng
RT: 15.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 317569

Ion	Ratio	Lower	Upper
198	100		
51	45.0	19.6	59.6
105	41.8	20.9	60.9

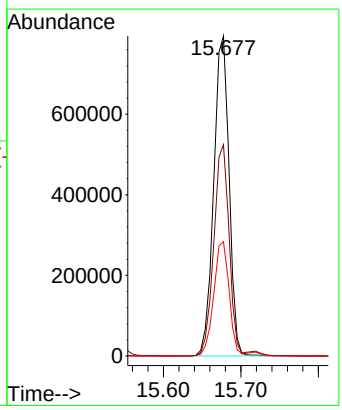


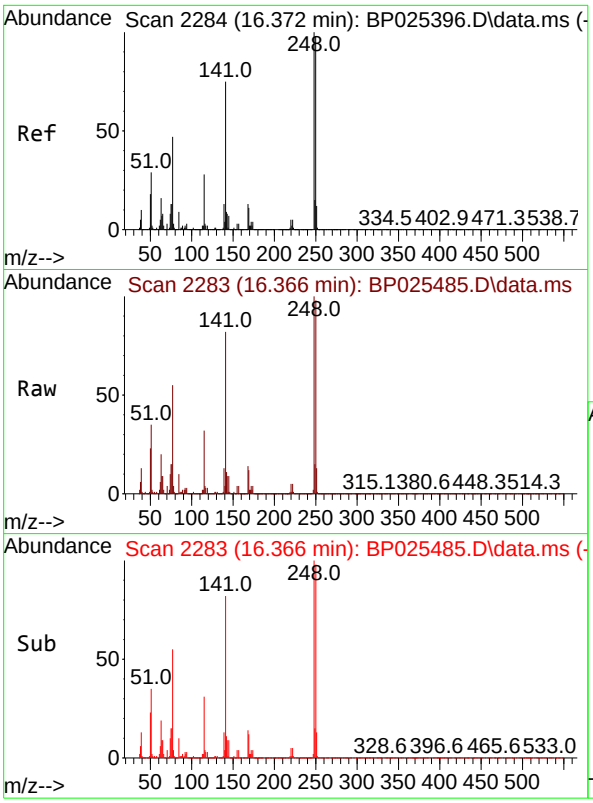


#66
n-Nitrosodiphenylamine
Concen: 40.077 ng
RT: 15.677 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:169 Resp: 1090366

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.2	79.8
167	35.7	28.7	43.1



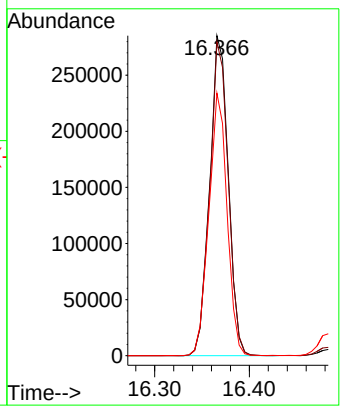


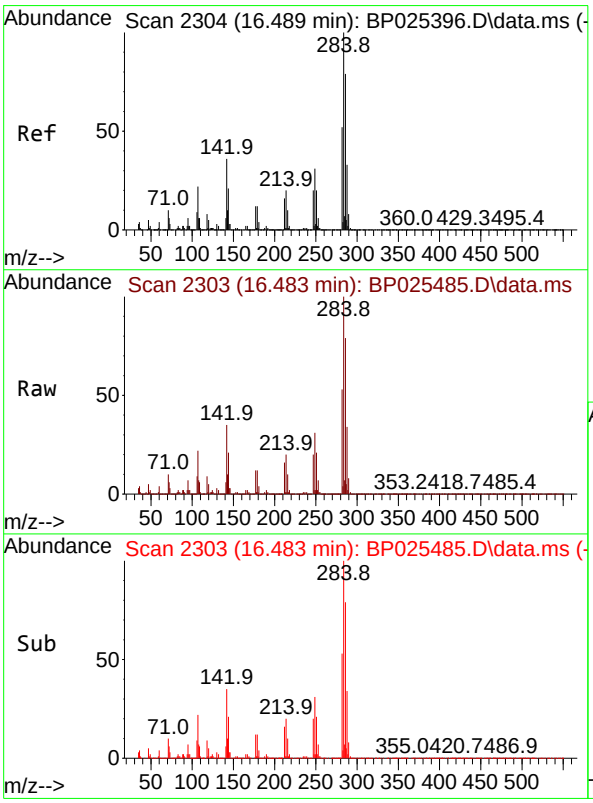
#67
4-Bromophenyl-phenylether
Concen: 39.677 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 389327

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.2	117.2
141	82.1	59.6	89.4

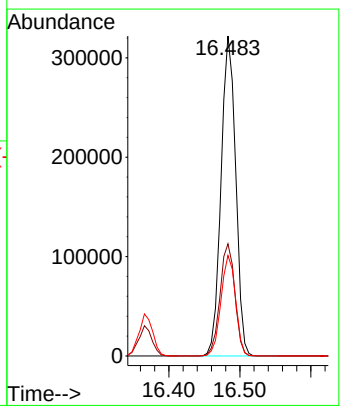


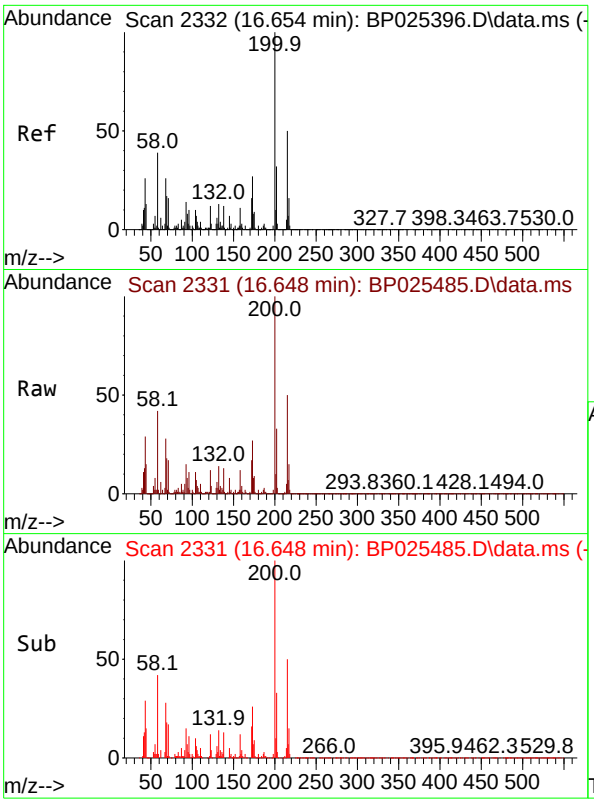


#68
Hexachlorobenzene
Concen: 40.328 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:284 Resp: 458719

Ion	Ratio	Lower	Upper
284	100		
142	35.0	29.1	43.7
249	31.4	25.0	37.4



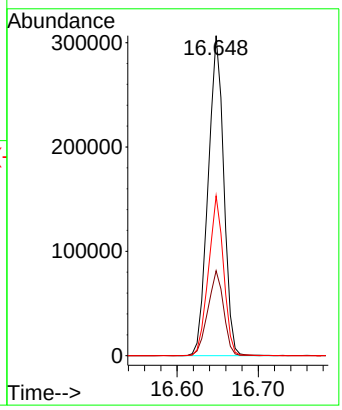


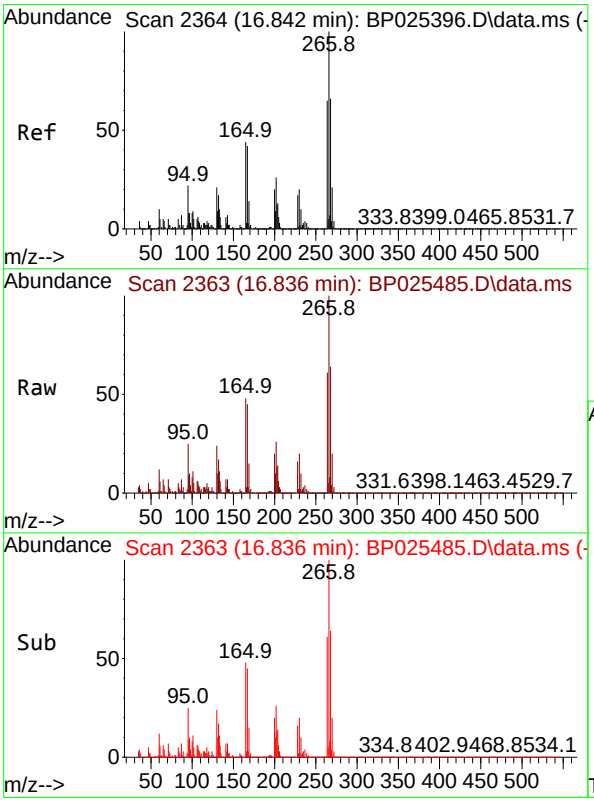
#69
Atrazine
Concen: 40.095 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 408523

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	49.9	29.7	69.7

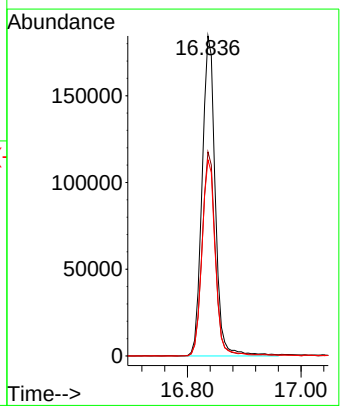


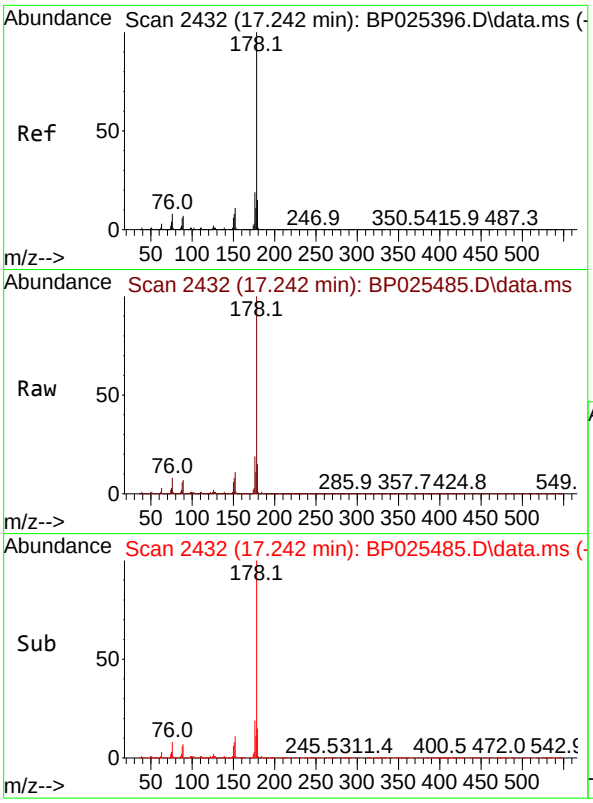


#70
Pentachlorophenol
Concen: 41.221 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:266 Resp: 295975

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.6	79.0
264	61.3	52.0	78.0



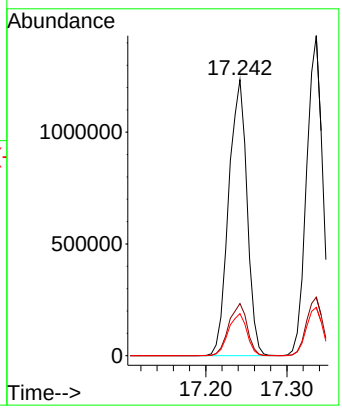


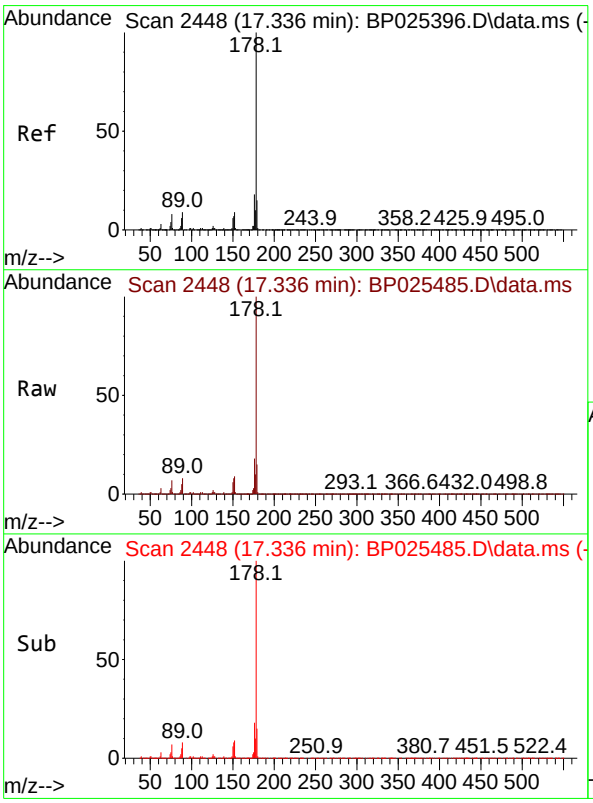
#71
Phenanthrene
Concen: 39.509 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1936352

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.3	12.2	18.4

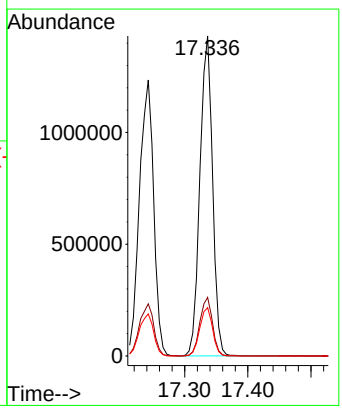


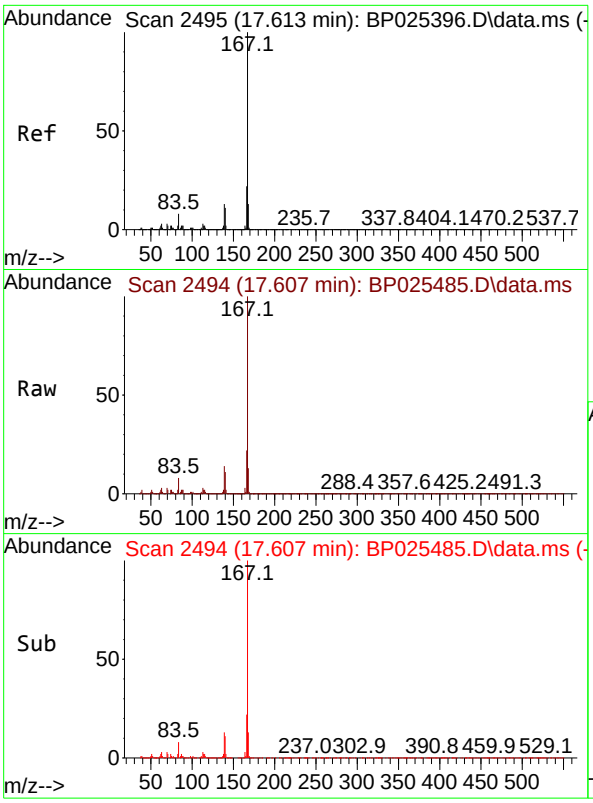


#72
Anthracene
Concen: 39.778 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:178 Resp: 1990880

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.1	12.2	18.2



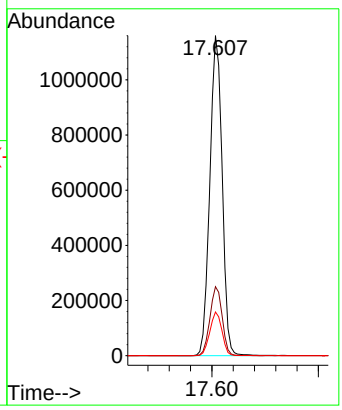


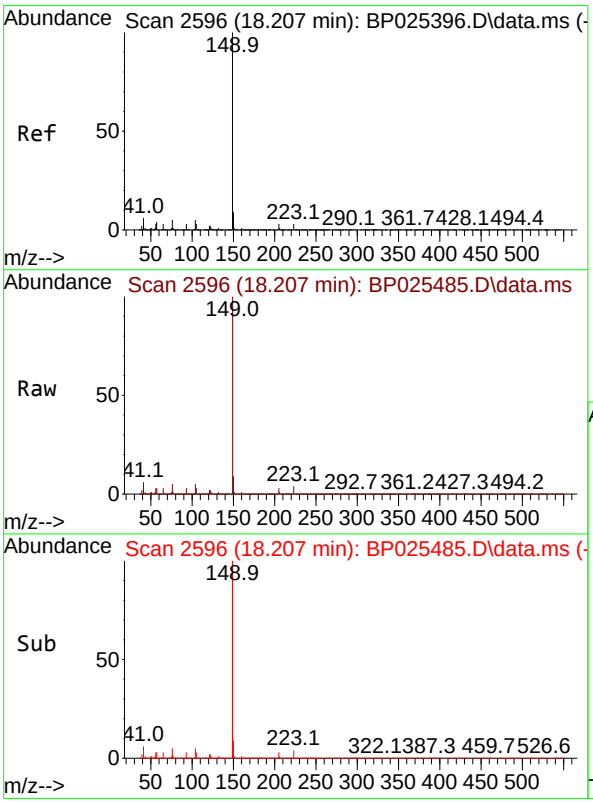
#73
Carbazole
Concen: 39.535 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1863783

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.6	10.6	16.0

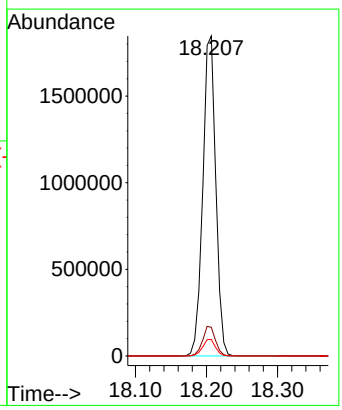


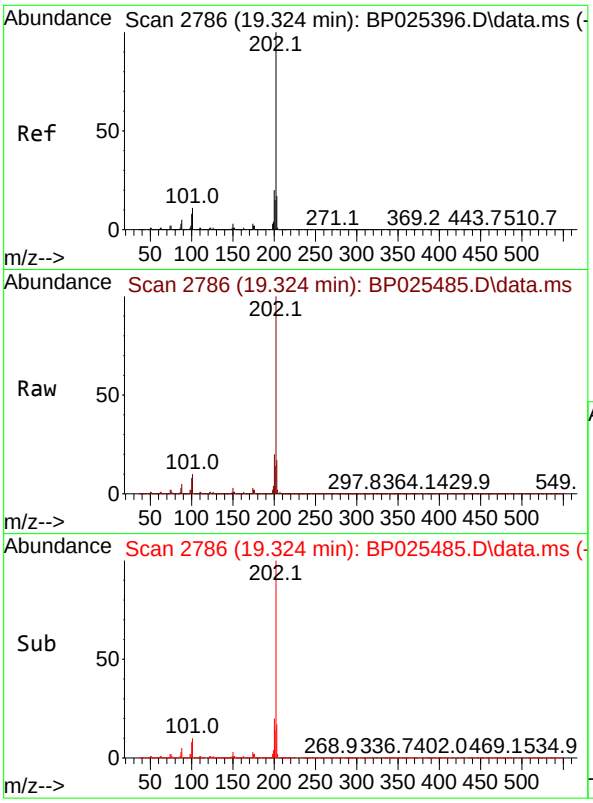


#74
Di-n-butylphthalate
Concen: 40.549 ng
RT: 18.207 min Scan# 2596
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:149 Resp: 2351889

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.2	4.2	6.2



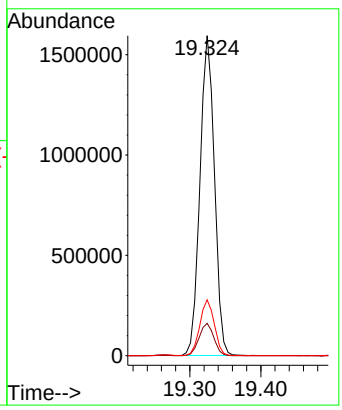


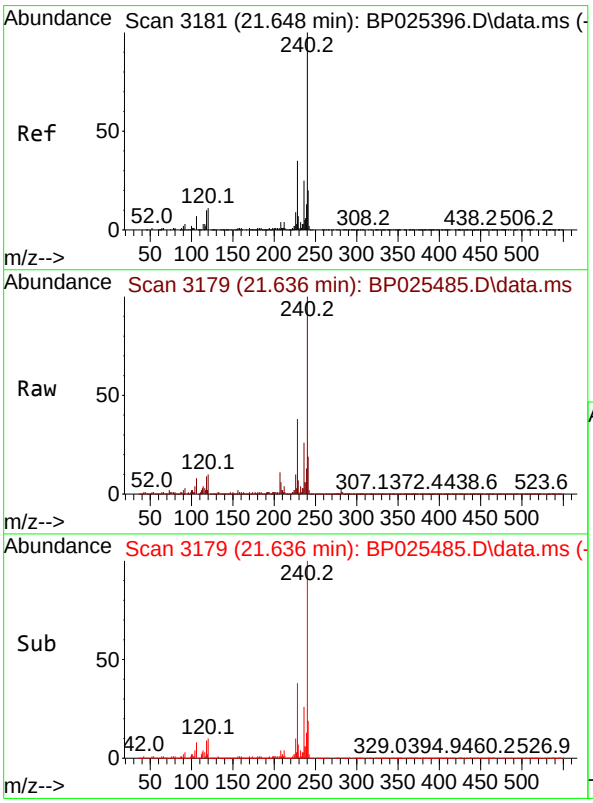
#75
Fluoranthene
Concen: 38.784 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2267363

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	37.3

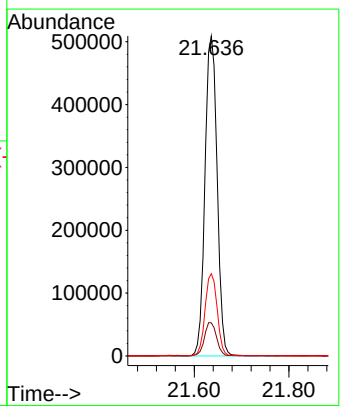


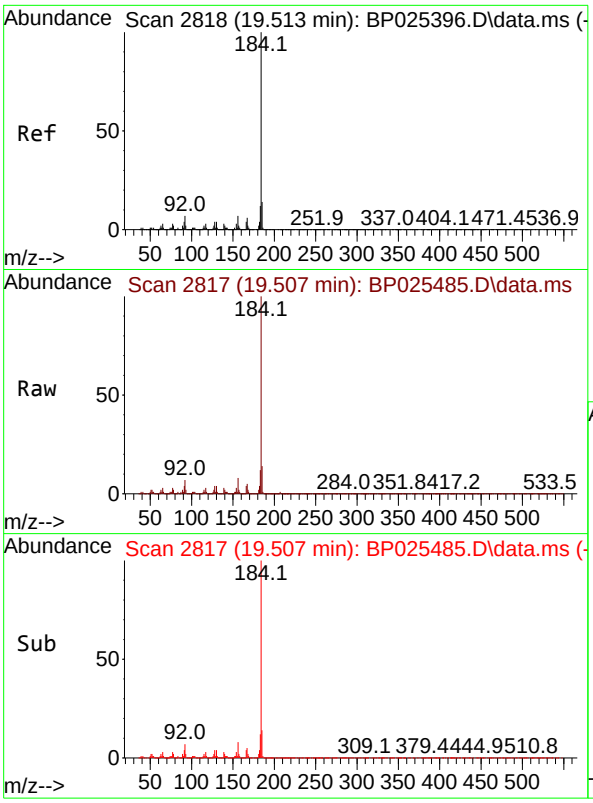


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:240 Resp: 906884

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.7	19.8	29.8



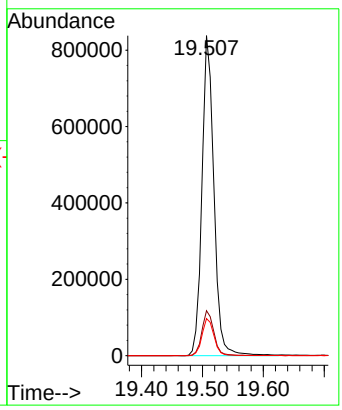


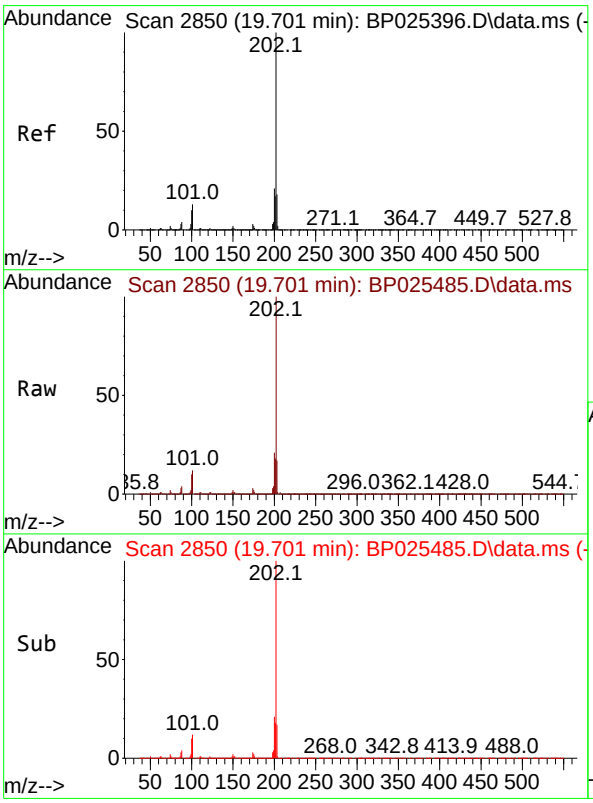
#77
Benzidine
Concen: 37.009 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1145425

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.6	9.4	14.2

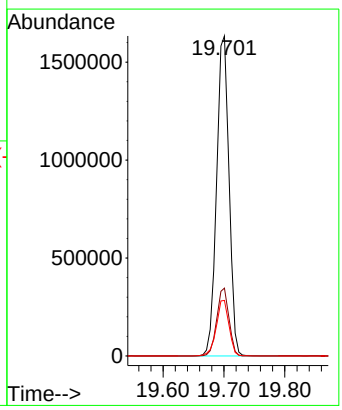


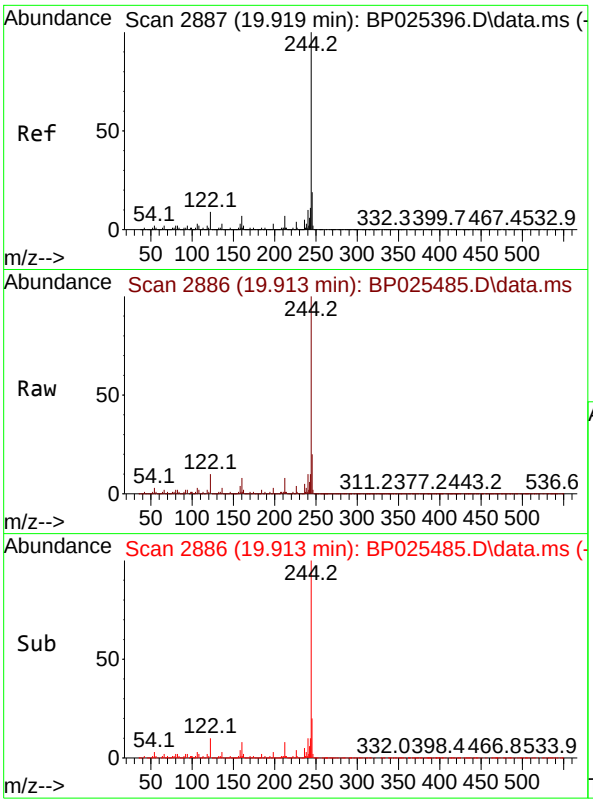


#78
Pyrene
Concen: 39.194 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:202 Resp: 2310305

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.4	14.2	21.2



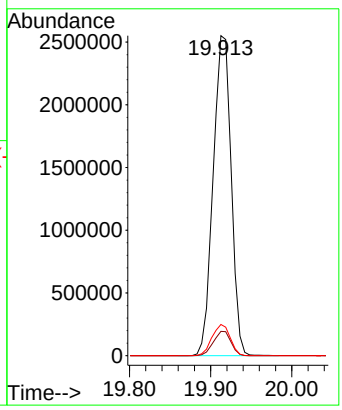


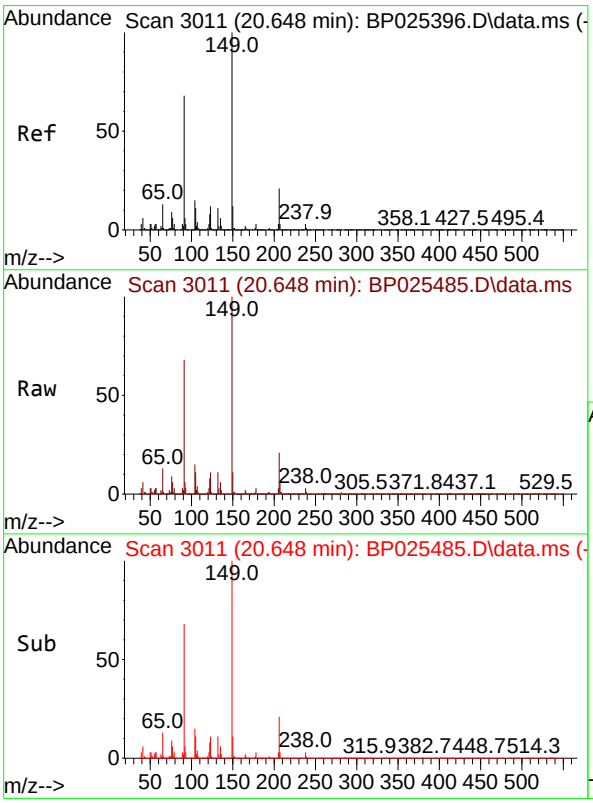
#79
Terphenyl-d14
Concen: 79.436 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3937508

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.8	7.4	11.2

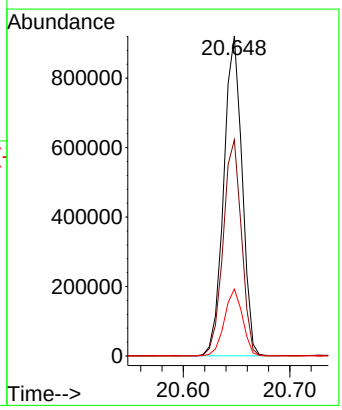


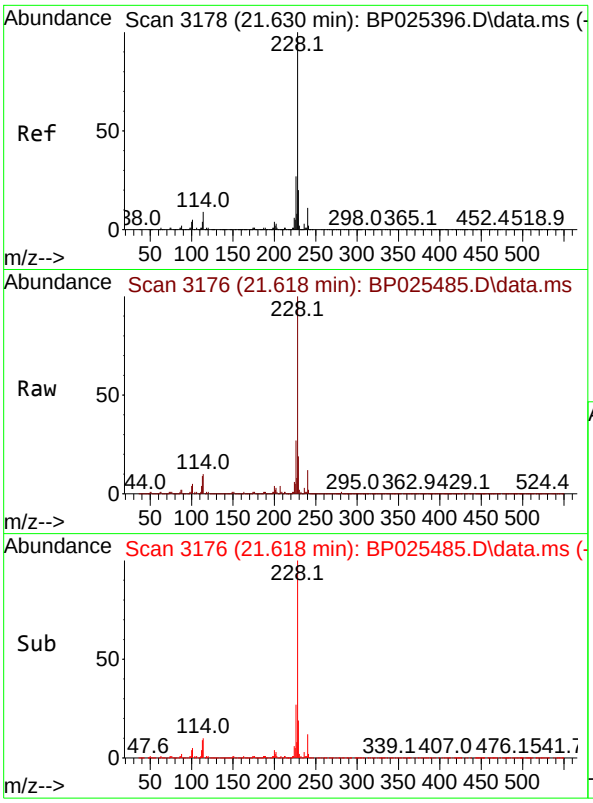


#80
Butylbenzylphthalate
Concen: 41.260 ng
RT: 20.648 min Scan# 3011
Delta R.T. -0.000 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:149 Resp: 1102249

Ion	Ratio	Lower	Upper
149	100		
91	67.5	54.2	81.2
206	20.9	16.6	24.8



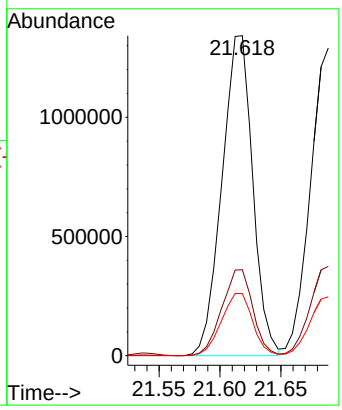


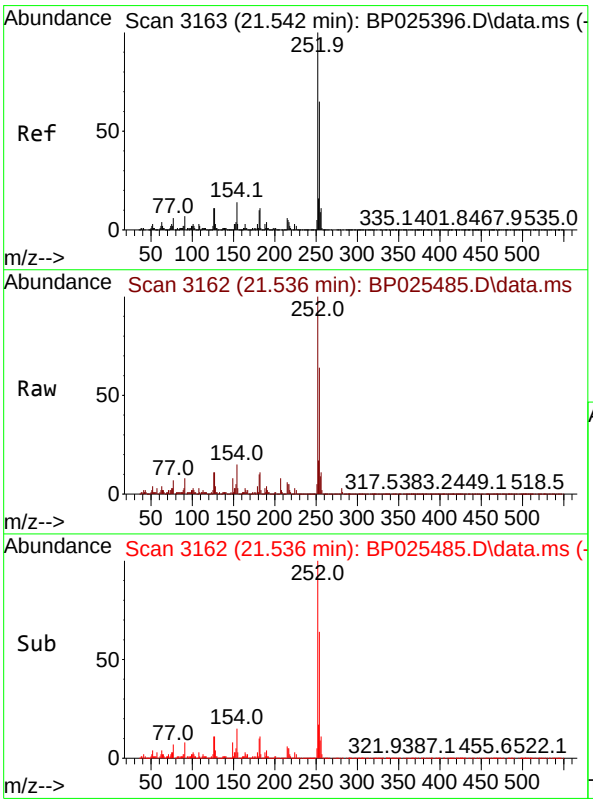
#81
Benzo(a)anthracene
Concen: 39.492 ng
RT: 21.618 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2361970

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.4	15.6	23.4

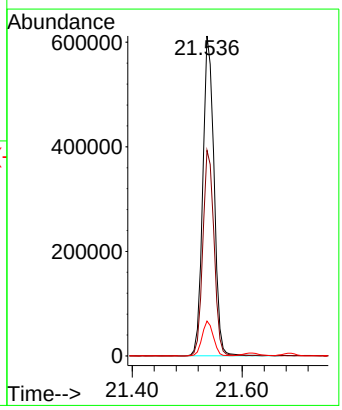


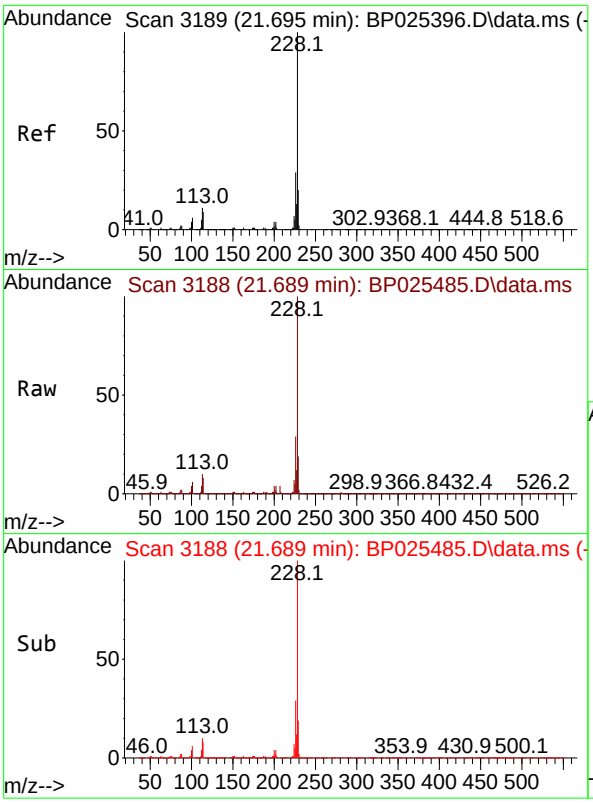


#82
3,3'-Dichlorobenzidine
Concen: 38.525 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:252 Resp: 868498

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	10.9	9.1	13.7



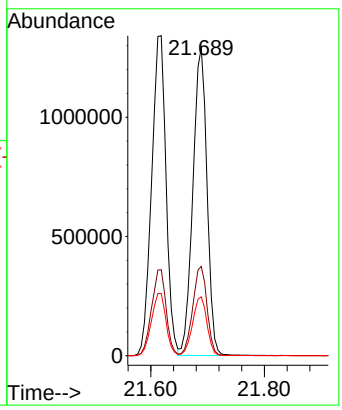


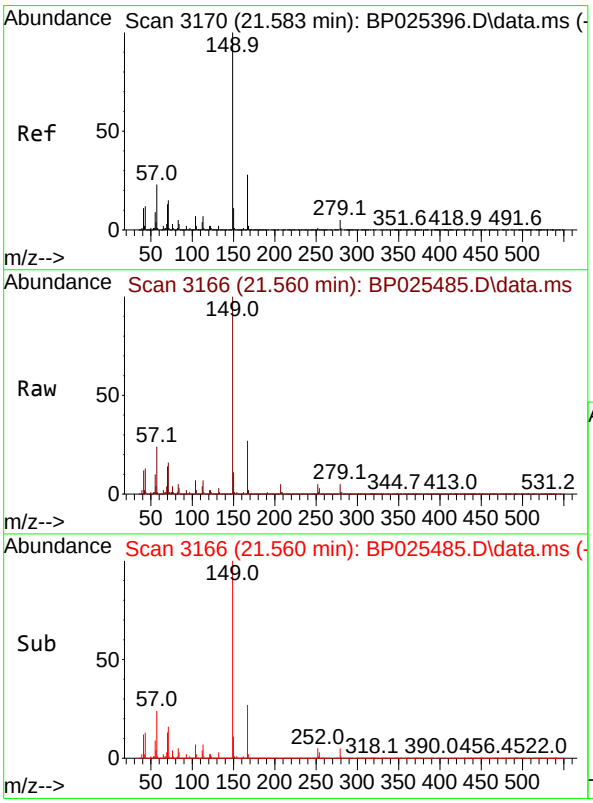
#83
Chrysene
Concen: 39.880 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2233747

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.2	15.6	23.4

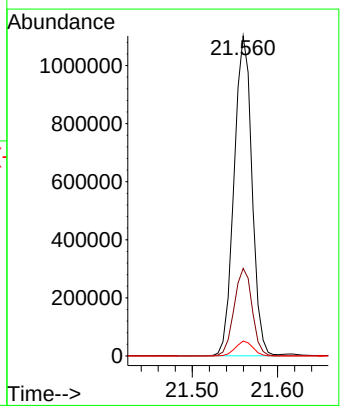


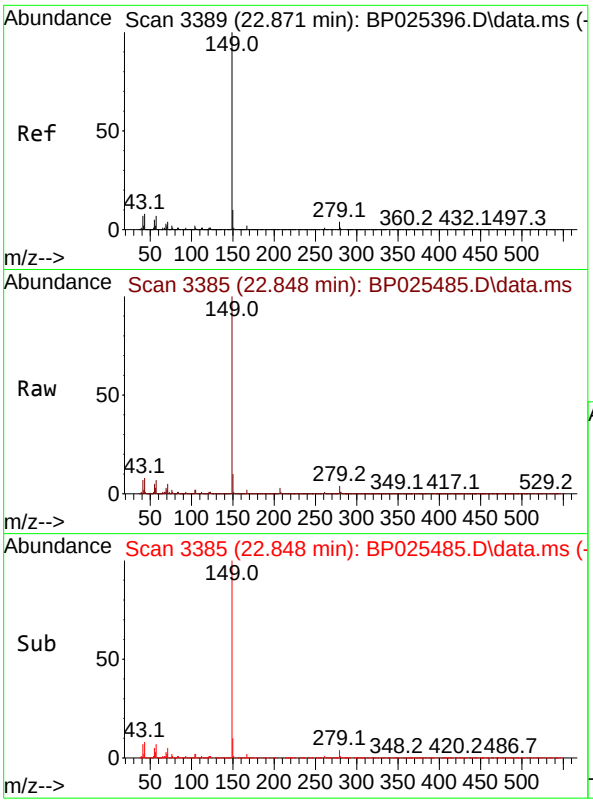


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.902 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:149 Resp: 1608462

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.7	3.8	5.6



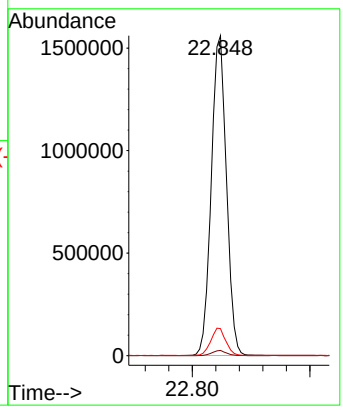


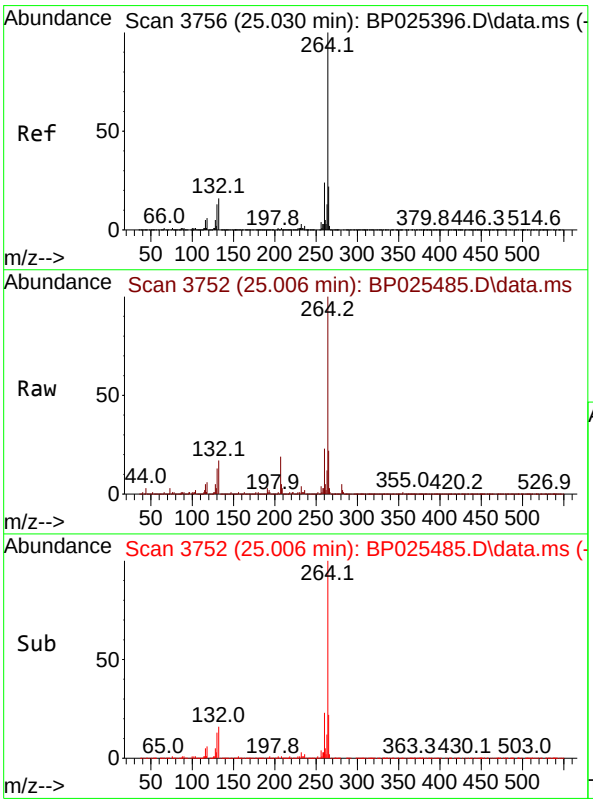
#85
Di-n-octyl phthalate
Concen: 41.242 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2789645

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.3	9.5

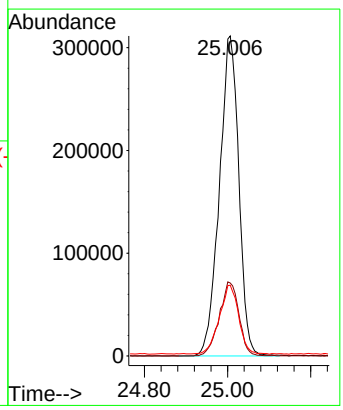


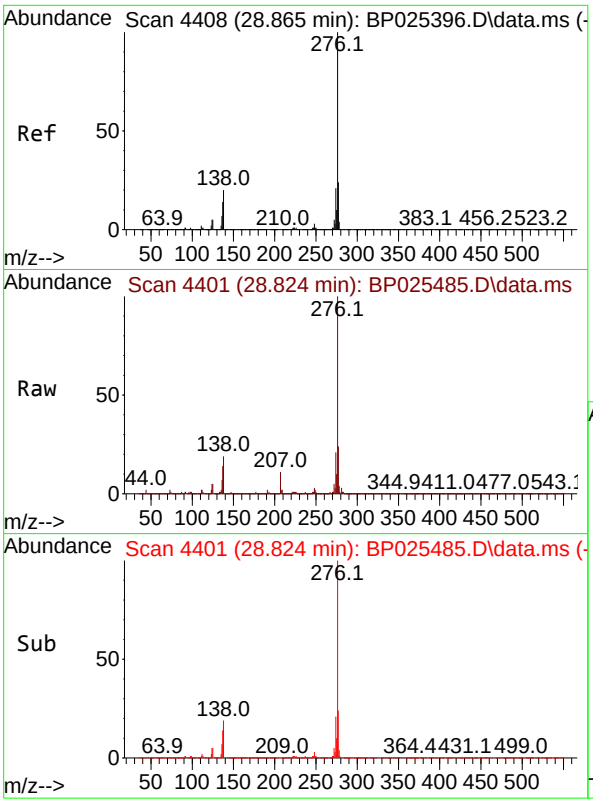


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:264 Resp: 1007482

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.3	28.9
265	22.1	17.4	26.0



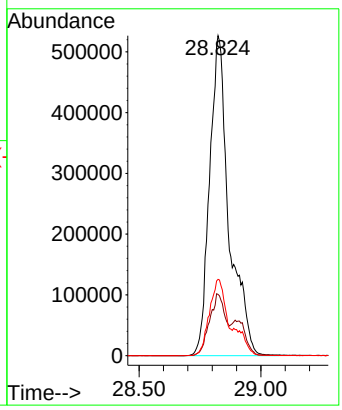


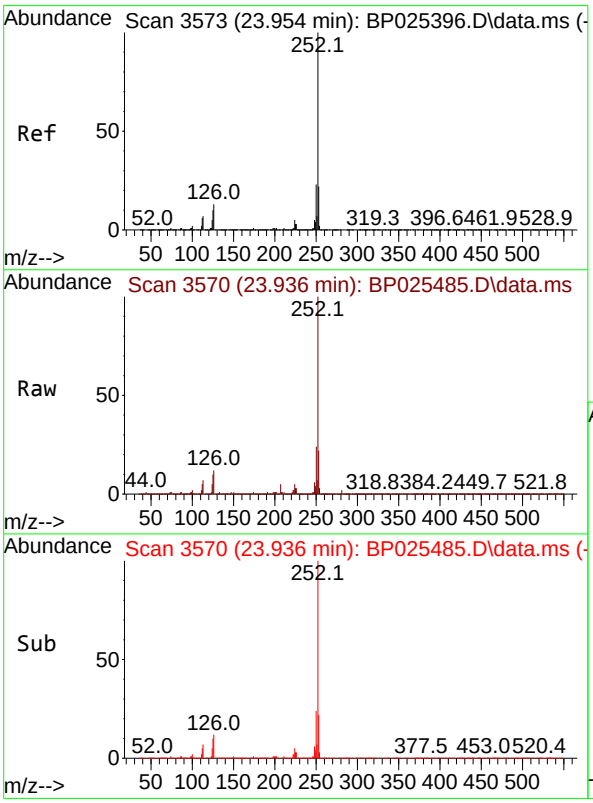
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.529 ng
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2920576

Ion	Ratio	Lower	Upper
276	100		
138	15.8	12.9	19.3
277	20.4	17.0	25.6

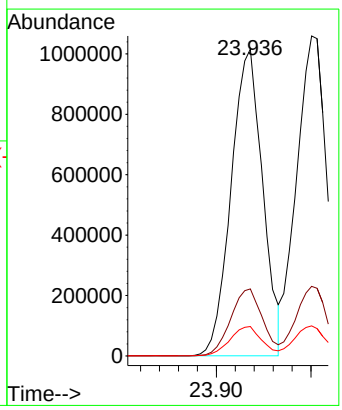


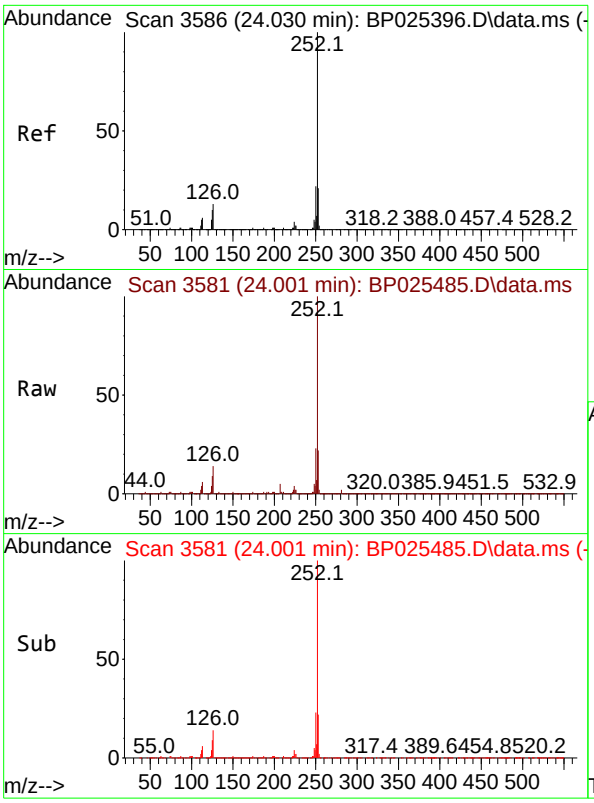


#88
Benzo(b)fluoranthene
Concen: 39.577 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.018 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:252 Resp: 2351174

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.6	7.9	11.9



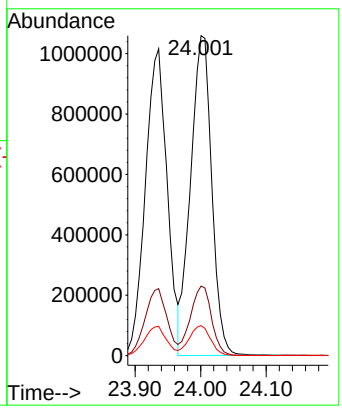


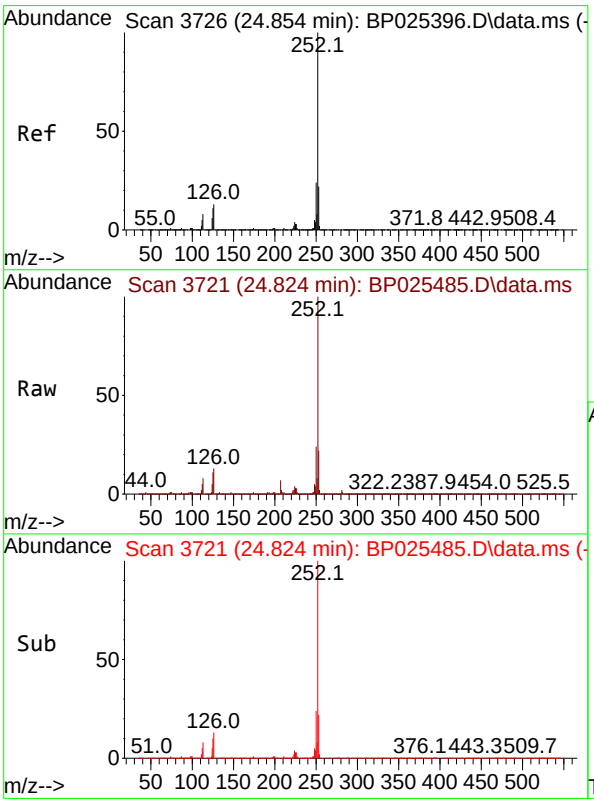
#89
Benzo(k)fluoranthene
Concen: 39.857 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2369472

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.4	7.8	11.6

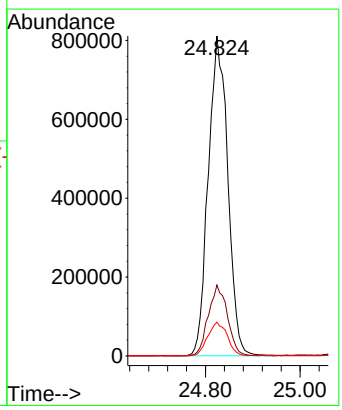


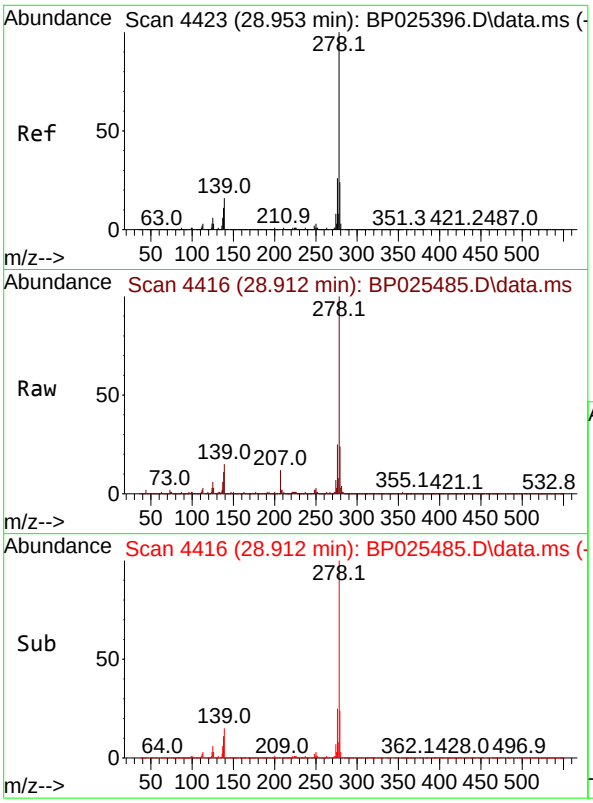


#90
Benzo(a)pyrene
Concen: 40.084 ng
RT: 24.824 min Scan# 3721
Delta R.T. -0.030 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:252 Resp: 2318019

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.6	8.7	13.1



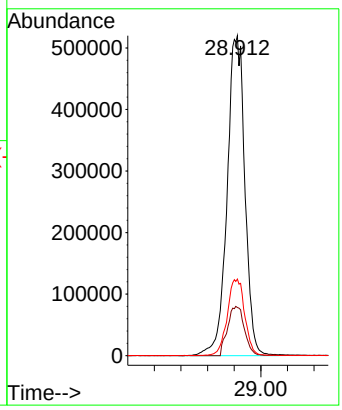


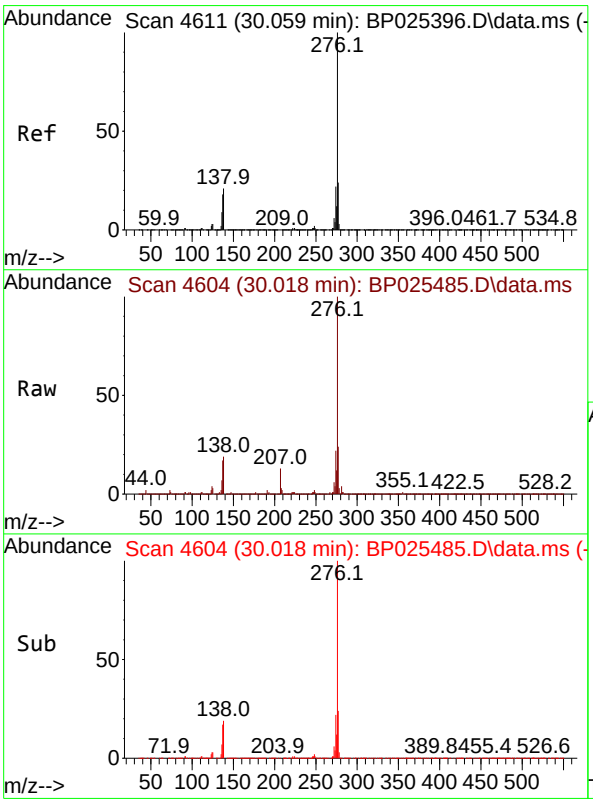
#91
Dibenzo(a,h)anthracene
Concen: 39.922 ng
RT: 28.912 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2410467

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	24.0	19.4	29.2

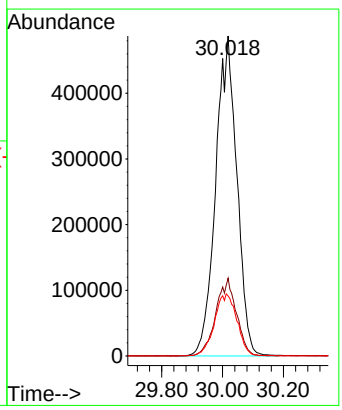




#92
Benzo(g,h,i)perylene
Concen: 39.621 ng
RT: 30.018 min Scan# 4604
Delta R.T. -0.041 min
Lab File: BP025485.D
Acq: 19 Aug 2025 21:43

Tgt Ion:276 Resp: 2351576

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.0
138	18.8	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.472	0.459	2.8	104	0.00
3		Pyridine	1.291	1.274	1.3	105	0.00
4		n-Nitrosodimethylamine	0.532	0.565	-6.2	111	0.00
5	S	2-Fluorophenol	1.204	1.218	-1.2	106	0.00
6		Aniline	2.080	2.104	-1.2	105	0.00
7	S	Phenol-d6	1.544	1.587	-2.8	106	0.00
8		2-Chlorophenol	1.359	1.375	-1.2	105	0.00
9		Benzaldehyde	1.082	0.902	16.6	67	0.00
10	C	Phenol	1.620	1.658	-2.3	106	0.00
11		bis(2-Chloroethyl)ether	1.263	1.262	0.1	104	0.00
12		1,3-Dichlorobenzene	1.499	1.496	0.2	104	0.00
13	C	1,4-Dichlorobenzene	1.532	1.524	0.5	105	0.00
14		1,2-Dichlorobenzene	1.483	1.477	0.4	104	0.00
15		Benzyl Alcohol	1.227	1.263	-2.9	107	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.743	-3.0	108	0.00
17		2-Methylphenol	1.125	1.161	-3.2	106	0.00
18		Hexachloroethane	0.563	0.571	-1.4	106	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.050	-2.6	107	0.00
20		3+4-Methylphenols	1.560	1.605	-2.9	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.502	0.506	-0.8	106	0.00
23	S	Nitrobenzene-d5	0.395	0.400	-1.3	106	0.00
24		Nitrobenzene	0.353	0.353	0.0	104	0.00
25		Isophorone	0.700	0.708	-1.1	107	0.00
26	C	2-Nitrophenol	0.181	0.183	-1.1	103	0.00
27		2,4-Dimethylphenol	0.312	0.319	-2.2	106	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.428	-1.2	107	0.00
29	C	2,4-Dichlorophenol	0.310	0.317	-2.3	106	0.00
30		1,2,4-Trichlorobenzene	0.340	0.331	2.6	103	0.00
31		Naphthalene	1.040	1.019	2.0	104	0.00
32		Benzoic acid	0.230	0.295	-28.3#	132	0.02
33		4-Chloroaniline	0.459	0.465	-1.3	105	0.00
34	C	Hexachlorobutadiene	0.211	0.209	0.9	104	0.00
35		Caprolactam	0.114	0.113	0.9	106	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.365	-2.8	107	0.00
37		2-Methylnaphthalene	0.676	0.669	1.0	104	0.00
38		1-Methylnaphthalene	0.719	0.705	1.9	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.582	-0.7	105	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.410	-17.5	119	0.00
42	S	2,4,6-Tribromophenol	0.269	0.275	-2.2	106	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.397	-1.8	105	0.00
44		2,4,5-Trichlorophenol	0.427	0.434	-1.6	104	0.00
45	S	2-Fluorobiphenyl	1.463	1.455	0.5	106	0.00
46		1,1'-Biphenyl	1.453	1.450	0.2	104	0.00
47		2-Chloronaphthalene	1.131	1.129	0.2	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.352	-7.0	108	0.00
49		Acenaphthylene	1.871	1.873	-0.1	105	0.00
50		Dimethylphthalate	1.465	1.472	-0.5	106	0.00
51		2,6-Dinitrotoluene	0.309	0.325	-5.2	106	0.00
52	C	Acenaphthene	1.098	1.079	1.7	105	0.00
53		3-Nitroaniline	0.347	0.356	-2.6	105	0.00
54	P	2,4-Dinitrophenol	0.165	0.325	-97.0#	201#	0.00
55		Dibenzofuran	1.736	1.721	0.9	104	0.00
56	P	4-Nitrophenol	0.285	0.288	-1.1	104	0.00
57		2,4-Dinitrotoluene	0.440	0.463	-5.2	107	0.00
58		Fluorene	1.370	1.329	3.0	103	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.389	-3.2	107	0.00
60		Diethylphthalate	1.488	1.504	-1.1	106	0.00
61		4-Chlorophenyl-phenylether	0.681	0.668	1.9	104	0.00
62		4-Nitroaniline	0.356	0.355	0.3	102	0.00
63		Azobenzene	1.274	1.324	-3.9	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.178	-42.4#	146	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.611	-0.2	104	0.00
67		4-Bromophenyl-phenylether	0.220	0.218	0.9	103	0.00
68		Hexachlorobenzene	0.255	0.257	-0.8	107	0.00
69		Atrazine	0.228	0.229	-0.4	106	0.00
70	C	Pentachlorophenol	0.161	0.166	-3.1	106	0.00
71		Phenanthrene	1.099	1.085	1.3	105	0.00
72		Anthracene	1.122	1.116	0.5	104	0.00
73		Carbazole	1.057	1.045	1.1	105	0.00
74		Di-n-butylphthalate	1.300	1.318	-1.4	107	0.00
75	C	Fluoranthene	1.311	1.271	3.1	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	101	-0.01
77		Benzidine	0.683	0.632	7.5	66	0.00
78		Pyrene	1.300	1.274	2.0	101	0.00
79	S	Terphenyl-d14	1.093	1.085	0.7	105	0.00
80		Butylbenzylphthalate	0.589	0.608	-3.2	106	0.00
81		Benzo(a)anthracene	1.319	1.302	1.3	104	-0.01
82		3,3'-Dichlorobenzidine	0.497	0.479	3.6	99	0.00
83		Chrysene	1.235	1.232	0.2	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.887	-2.3	108	-0.02
85	c	Di-n-octyl phthalate	1.492	1.538	-3.1	107	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	99	-0.02
87		Indeno(1,2,3-cd)pyrene	1.467	1.449	1.2	101	-0.04
88		Benzo(b)fluoranthene	1.179	1.167	1.0	101	-0.02
89		Benzo(k)fluoranthene	1.180	1.176	0.3	103	-0.03
90	C	Benzo(a)pyrene	1.148	1.150	-0.2	102	-0.03
91		Dibenzo(a,h)anthracene	1.199	1.196	0.3	102	-0.04
92		Benzo(g,h,i)perylene	1.178	1.167	0.9	101	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	38.879	2.8	104	0.00
3		Pyridine	40.000	39.479	1.3	105	0.00
4		n-Nitrosodimethylamine	40.000	42.446	-6.1	111	0.00
5	S	2-Fluorophenol	80.000	80.882	-1.1	106	0.00
6		Aniline	40.000	40.464	-1.2	105	0.00
7	S	Phenol-d6	80.000	82.204	-2.8	106	0.00
8		2-Chlorophenol	40.000	40.481	-1.2	105	0.00
9		Benzaldehyde	40.000	33.351	16.6	67	0.00
10	C	Phenol	40.000	40.923	-2.3	106	0.00
11		bis(2-Chloroethyl)ether	40.000	39.983	0.0	104	0.00
12		1,3-Dichlorobenzene	40.000	39.936	0.2	104	0.00
13	C	1,4-Dichlorobenzene	40.000	39.809	0.5	105	0.00
14		1,2-Dichlorobenzene	40.000	39.851	0.4	104	0.00
15		Benzyl Alcohol	40.000	41.172	-2.9	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.208	-3.0	108	0.00
17		2-Methylphenol	40.000	41.273	-3.2	106	0.00
18		Hexachloroethane	40.000	40.579	-1.4	106	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.084	-2.7	107	0.00
20		3+4-Methylphenols	40.000	41.150	-2.9	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	40.318	-0.8	106	0.00
23	S	Nitrobenzene-d5	80.000	80.839	-1.0	106	0.00
24		Nitrobenzene	40.000	40.010	-0.0	104	0.00
25		Isophorone	40.000	40.496	-1.2	107	0.00
26	C	2-Nitrophenol	40.000	40.455	-1.1	103	0.00
27		2,4-Dimethylphenol	40.000	40.920	-2.3	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.432	-1.1	107	0.00
29	C	2,4-Dichlorophenol	40.000	40.902	-2.3	106	0.00
30		1,2,4-Trichlorobenzene	40.000	38.959	2.6	103	0.00
31		Naphthalene	40.000	39.195	2.0	104	0.00
32		Benzoic acid	40.000	51.243	-28.1#	132	0.02
33		4-Chloroaniline	40.000	40.476	-1.2	105	0.00
34	C	Hexachlorobutadiene	40.000	39.534	1.2	104	0.00
35		Caprolactam	40.000	39.925	0.2	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.048	-2.6	107	0.00
37		2-Methylnaphthalene	40.000	39.572	1.1	104	0.00
38		1-Methylnaphthalene	40.000	39.191	2.0	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.309	-0.8	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.958	-17.4	119	0.00
42	S	2,4,6-Tribromophenol	80.000	81.593	-2.0	106	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.748	-1.9	105	0.00
44		2,4,5-Trichlorophenol	40.000	40.661	-1.7	104	0.00
45	S	2-Fluorobiphenyl	80.000	79.555	0.6	106	0.00
46		1,1'-Biphenyl	40.000	39.926	0.2	104	0.00
47		2-Chloronaphthalene	40.000	39.925	0.2	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.716	-6.8	108	0.00
49		Acenaphthylene	40.000	40.032	-0.1	105	0.00
50		Dimethylphthalate	40.000	40.193	-0.5	106	0.00
51		2,6-Dinitrotoluene	40.000	42.121	-5.3	106	0.00
52	C	Acenaphthene	40.000	39.288	1.8	105	0.00
53		3-Nitroaniline	40.000	41.010	-2.5	105	0.00
54	P	2,4-Dinitrophenol	40.000	78.876	-97.2#	201	0.00
55		Dibenzofuran	40.000	39.644	0.9	104	0.00
56	P	4-Nitrophenol	40.000	40.416	-1.0	104	0.00
57		2,4-Dinitrotoluene	40.000	42.059	-5.1	107	0.00
58		Fluorene	40.000	38.790	3.0	103	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.236	-3.1	107	0.00
60		Diethylphthalate	40.000	40.422	-1.1	106	0.00
61		4-Chlorophenyl-phenylether	40.000	39.215	2.0	104	0.00
62		4-Nitroaniline	40.000	39.899	0.3	102	0.00
63		Azobenzene	40.000	41.554	-3.9	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	40.000	57.102	-42.8#	146	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.077	-0.2	104	0.00
67		4-Bromophenyl-phenylether	40.000	39.677	0.8	103	0.00
68		Hexachlorobenzene	40.000	40.328	-0.8	107	0.00
69		Atrazine	40.000	40.095	-0.2	106	0.00
70	C	Pentachlorophenol	40.000	41.221	-3.1	106	0.00
71		Phenanthrene	40.000	39.509	1.2	105	0.00
72		Anthracene	40.000	39.778	0.6	104	0.00
73		Carbazole	40.000	39.535	1.2	105	0.00
74		Di-n-butylphthalate	40.000	40.549	-1.4	107	0.00
75	C	Fluoranthene	40.000	38.784	3.0	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	101	-0.01
77		Benzidine	40.000	37.009	7.5	66	0.00
78		Pyrene	40.000	39.194	2.0	101	0.00
79	S	Terphenyl-d14	80.000	79.436	0.7	105	0.00
80		Butylbenzylphthalate	40.000	41.260	-3.1	106	0.00
81		Benzo(a)anthracene	40.000	39.492	1.3	104	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.525	3.7	99	0.00
83		Chrysene	40.000	39.880	0.3	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.902	-2.3	108	-0.02
85	c	Di-n-octyl phthalate	40.000	41.242	-3.1	107	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	99	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	39.529	1.2	101	-0.04
88		Benzo(b)fluoranthene	40.000	39.577	1.1	101	-0.02
89		Benzo(k)fluoranthene	40.000	39.857	0.4	103	-0.03
90	C	Benzo(a)pyrene	40.000	40.084	-0.2	102	-0.03
91		Dibenzo(a,h)anthracene	40.000	39.922	0.2	102	-0.04
92		Benzo(g,h,i)perylene	40.000	39.621	0.9	101	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025485.D
Acq On : 19 Aug 2025 21:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 23:46

Lab File ID: BP025487.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.204		0.0	
Benzaldehyde	1.082	0.876		-19.0	
Phenol-d6	1.544	1.570		1.7	
Phenol	1.620	1.661		2.5	20.0
bis(2-Chloroethyl)ether	1.263	1.268		0.4	
2-Chlorophenol	1.359	1.389		2.2	
2-Methylphenol	1.125	1.152		2.4	
2,2-oxybis(1-Chloropropane)	1.692	1.784		5.4	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.560	1.571		0.7	
n-Nitroso-di-n-propylamine	1.023	1.046	0.050	2.2	
Nitrobenzene-d5	0.395	0.401		1.5	
Hexachloroethane	0.563	0.566		0.5	
Nitrobenzene	0.353	0.362		2.5	
Isophorone	0.700	0.705		0.7	
2-Nitrophenol	0.181	0.185		2.2	20.0
2,4-Dimethylphenol	0.312	0.315		1.0	
bis(2-Chloroethoxy)methane	0.423	0.427		0.9	
2,4-Dichlorophenol	0.310	0.313		1.0	20.0
Naphthalene	1.040	1.035		-0.5	
4-Chloroaniline	0.459	0.467		1.7	
Hexachlorobutadiene	0.211	0.207		-1.9	20.0
Caprolactam	0.114	0.117		2.6	
4-Chloro-3-methylphenol	0.355	0.367		3.4	20.0
2-Methylnaphthalene	0.676	0.673		-0.4	
Hexachlorocyclopentadiene	0.349	0.402	0.050	15.2	
2,4,6-Trichlorophenol	0.390	0.400		2.6	20.0
2-Fluorobiphenyl	1.463	1.408		-3.8	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.462		0.6	
2-Chloronaphthalene	1.131	1.130		-0.1	
2-Nitroaniline	0.329	0.359		9.1	
Dimethylphthalate	1.465	1.503		2.6	
Acenaphthylene	1.871	1.889		1.0	
2,6-Dinitrotoluene	0.309	0.327		5.8	
3-Nitroaniline	0.347	0.367		5.8	
Acenaphthene	1.098	1.071		-2.5	20.0
2,4-Dinitrophenol	0.165	0.332	0.050	101.2	
4-Nitrophenol	0.285	0.301	0.050	5.6	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/19/2025 23:46

Lab File ID: BP025487.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.710		-1.5	
2,4-Dinitrotoluene	0.440	0.475		8.0	
Diethylphthalate	1.488	1.537		3.3	
4-Chlorophenyl-phenylether	0.681	0.664		-2.5	
Fluorene	1.370	1.332		-2.8	
4-Nitroaniline	0.356	0.368		3.4	
4,6-Dinitro-2-methylphenol	0.125	0.178		42.4	
n-Nitrosodiphenylamine	0.610	0.625		2.5	20.0
2,4,6-Tribromophenol	0.269	0.278		3.3	
4-Bromophenyl-phenylether	0.220	0.222		0.9	
Hexachlorobenzene	0.255	0.255		0.0	
Atrazine	0.228	0.232		1.8	
Pentachlorophenol	0.161	0.170		5.6	20.0
Phenanthrene	1.099	1.084		-1.4	
Anthracene	1.122	1.144		2.0	
Carbazole	1.057	1.052		-0.5	
Di-n-butylphthalate	1.300	1.333		2.5	
Fluoranthene	1.311	1.283		-2.1	20.0
Pyrene	1.300	1.285		-1.2	
Terphenyl-d14	1.093	1.061		-2.9	
Butylbenzylphthalate	0.589	0.605		2.7	
3,3-Dichlorobenzidine	0.497	0.485		-2.4	
Benzo(a)anthracene	1.319	1.302		-1.3	
Chrysene	1.235	1.231		-0.3	
Bis(2-ethylhexyl)phthalate	0.867	0.890		2.7	
Di-n-octyl phthalate	1.492	1.526		2.2	20.0
Benzo(b)fluoranthene	1.179	1.172		-0.6	
Benzo(k)fluoranthene	1.180	1.163		-1.4	
Benzo(a)pyrene	1.148	1.141		-0.6	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.434		-2.2	
Dibenzo(a,h)anthracene	1.199	1.180		-1.6	
Benzo(g,h,i)perylene	1.178	1.150		-2.4	
1,2,4,5-Tetrachlorobenzene	0.578	0.572		-1.0	
1,4-Dioxane	0.472	0.461		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.388		2.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	159158	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	679178	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	450864	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	905283	20.000	ng	0.00
76) Chrysene-d12	21.642	240	932001	20.000	ng	0.00
86) Perylene-d12	25.012	264	1054169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	766191	79.946	ng	0.00
7) Phenol-d6	6.966	99	999385	81.335	ng	0.00
23) Nitrobenzene-d5	8.931	82	1089412	81.140	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	501941	82.710	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2539096	76.967	ng	0.00
79) Terphenyl-d14	19.930	244	3955073	77.640	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	146798	39.105	ng	98
3) Pyridine	3.725	79	399648	38.896	ng	95
4) n-Nitrosodimethylamine	3.631	42	183947	43.424	ng	91
6) Aniline	7.119	93	673487	40.682	ng	98
8) 2-Chlorophenol	7.360	128	442242	40.892	ng	99
9) Benzaldehyde	6.937	77	278873	32.395	ng	97
10) Phenol	6.990	94	528660	41.003	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	403740	40.176	ng	99
12) 1,3-Dichlorobenzene	7.678	146	477680	40.056	ng	99
13) 1,4-Dichlorobenzene	7.825	146	485332	39.818	ng	99
14) 1,2-Dichlorobenzene	8.137	146	470101	39.843	ng	100
15) Benzyl Alcohol	8.019	79	396938	40.657	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	567987	42.192	ng	98
17) 2-Methylphenol	8.219	107	366688	40.950	ng	99
18) Hexachloroethane	8.860	117	180159	40.200	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	332906	40.903	ng	97
20) 3+4-Methylphenols	8.542	107	500121	40.292	ng	98
22) Acetophenone	8.595	105	683834	40.149	ng	98
24) Nitrobenzene	8.972	77	491390	40.951	ng	99
25) Isophorone	9.501	82	957661	40.304	ng	100
26) 2-Nitrophenol	9.678	139	251156	40.785	ng	99
27) 2,4-Dimethylphenol	9.736	122	428351	40.448	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	579381	40.338	ng	99
29) 2,4-Dichlorophenol	10.207	162	424988	40.398	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	449563	38.983	ng	100
31) Naphthalene	10.613	128	1406520	39.844	ng	99
32) Benzoic acid	9.895	122	408095	52.196	ng	97
33) 4-Chloroaniline	10.713	127	634028	40.661	ng	99
34) Hexachlorobutadiene	10.901	225	280821	39.100	ng	98
35) Caprolactam	11.501	113	158902	41.192	ng	98
36) 4-Chloro-3-methylphenol	11.836	107	498499	41.295	ng	98
37) 2-Methylnaphthalene	12.219	142	914456	39.806	ng	97
38) 1-Methylnaphthalene	12.436	142	964168	39.466	ng	100
40) 1,2,4,5-Tetrachloroben...	12.583	216	515884	39.618	ng	99
41) Hexachlorocyclopentadiene	12.566	237	362128	46.040	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	360300	40.986	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	399763	41.492	ng	98
46) 1,1'-Biphenyl	13.230	154	1318412	40.264	ng	100
47) 2-Chloronaphthalene	13.272	162	1019352	39.989	ng	99
48) 2-Nitroaniline	13.466	65	324159	43.643	ng	98
49) Acenaphthylene	14.124	152	1703788	40.393	ng	100
50) Dimethylphthalate	13.854	163	1355491	41.055	ng	100
51) 2,6-Dinitrotoluene	13.972	165	294671	42.345	ng	93
52) Acenaphthene	14.472	154	965696	39.004	ng	99
53) 3-Nitroaniline	14.307	138	330858	42.258	ng	94
54) 2,4-Dinitrophenol	14.513	184	299007	80.460	ng	97
55) Dibenzofuran	14.813	168	1541513	39.380	ng	100
56) 4-Nitrophenol	14.624	139	271237	42.159	ng	97
57) 2,4-Dinitrotoluene	14.772	165	428628	43.171	ng	97
58) Fluorene	15.477	166	1201420	38.896	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	350101	41.154	ng	98
60) Diethylphthalate	15.236	149	1386072	41.316	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	598934	38.989	ng	96
62) 4-Nitroaniline	15.489	138	331726	41.329	ng	93
63) Azobenzene	15.766	77	1240846	43.196	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	322240	57.103	ng	94
66) n-Nitrosodiphenylamine	15.683	169	1132449	41.022	ng	99
67) 4-Bromophenyl-phenylether	16.383	248	402714	40.448	ng	98
68) Hexachlorobenzene	16.501	284	461625	39.997	ng	97
69) Atrazine	16.654	200	420453	40.669	ng	99
70) Pentachlorophenol	16.848	266	307884	42.259	ng	98
71) Phenanthrene	17.242	178	1961812	39.449	ng	99
72) Anthracene	17.342	178	2071008	40.780	ng	99
73) Carbazole	17.618	167	1903889	39.801	ng	99
74) Di-n-butylphthalate	18.212	149	2414257	41.022	ng	100
75) Fluoranthene	19.324	202	2322167	39.147	ng	98
77) Benzidine	19.518	184	1232065	38.735	ng	100
78) Pyrene	19.701	202	2394461	39.527	ng	100
80) Butylbenzylphthalate	20.654	149	1127547	41.070	ng	98
81) Benzo(a)anthracene	21.624	228	2426505	39.477	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	903654	39.005	ng	98
83) Chrysene	21.689	228	2294146	39.855	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1659835	41.071	ng	99
85) Di-n-octyl phthalate	22.853	149	2843533	40.906	ng	99
87) Indeno(1,2,3-cd)pyrene	28.841	276	3022360m	39.095	ng	
88) Benzo(b)fluoranthene	23.953	252	2471608	39.761	ng	99
89) Benzo(k)fluoranthene	24.030	252	2451237	39.407	ng	99
90) Benzo(a)pyrene	24.865	252	2406620	39.773	ng	99
91) Dibenzo(a,h)anthracene	28.941	278	2487038	39.366	ng	98
92) Benzo(g,h,i)perylene	30.047	276	2423566	39.026	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

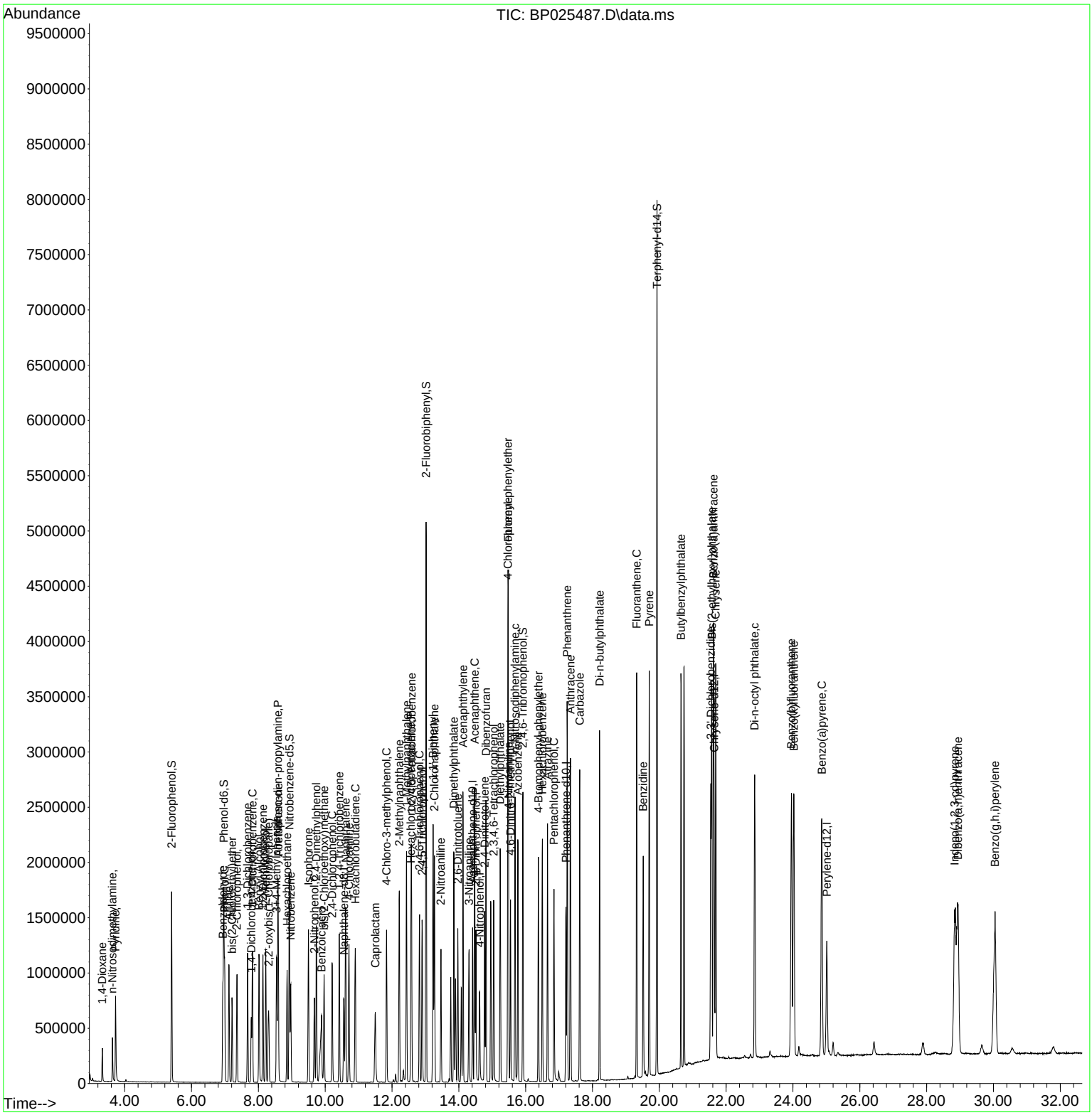
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

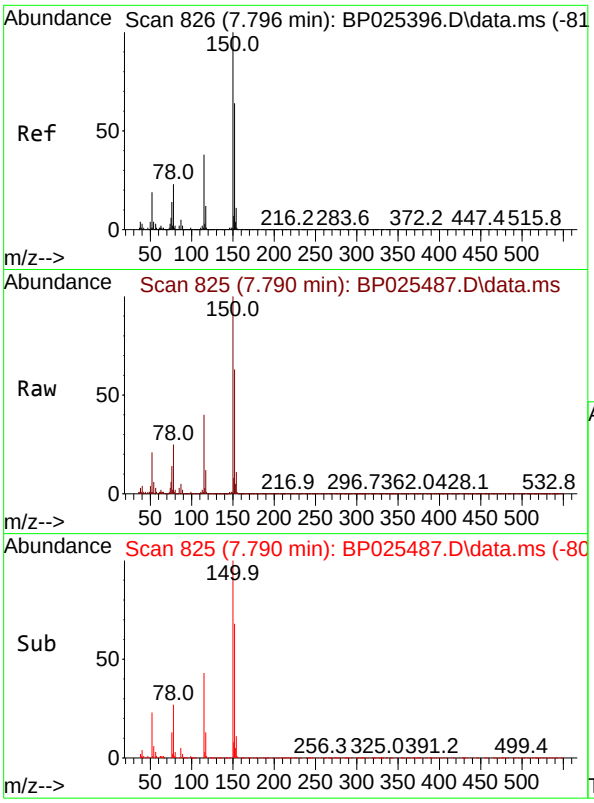
Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

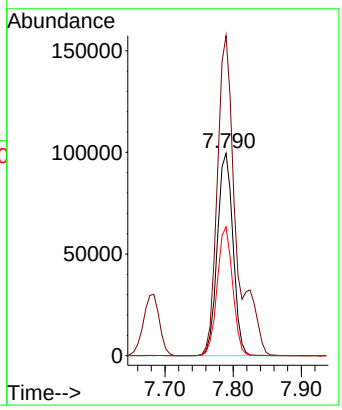




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:152 Resp: 15915

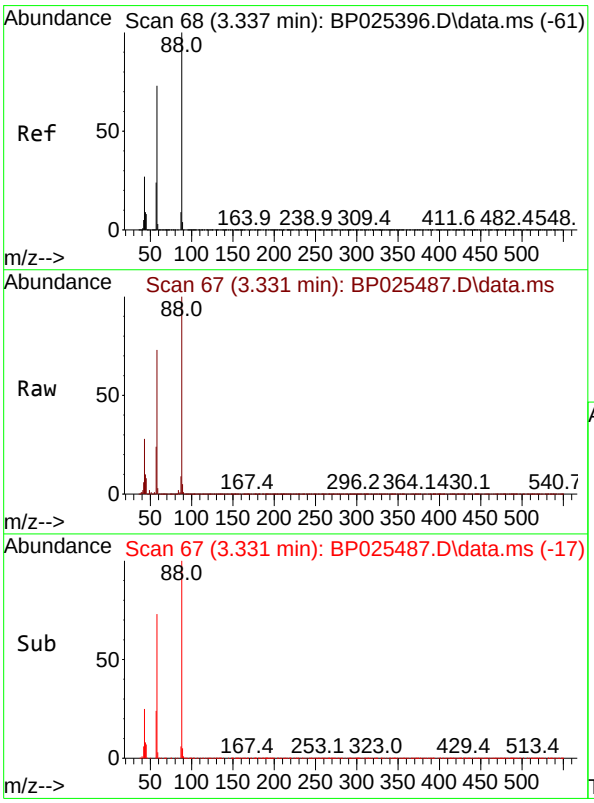
Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.9	188.9
115	63.6	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

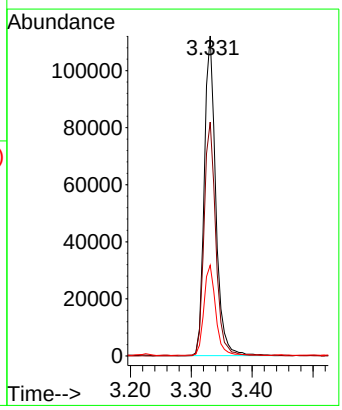
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

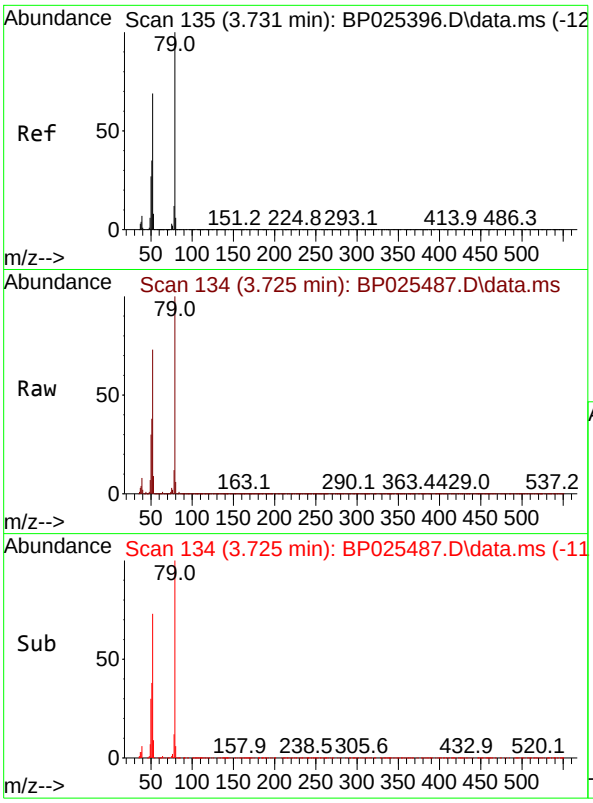


#2
1,4-Dioxane
Concen: 39.105 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 88 Resp: 146798

Ion	Ratio	Lower	Upper
88	100		
58	75.0	59.2	88.8
43	28.8	21.7	32.5

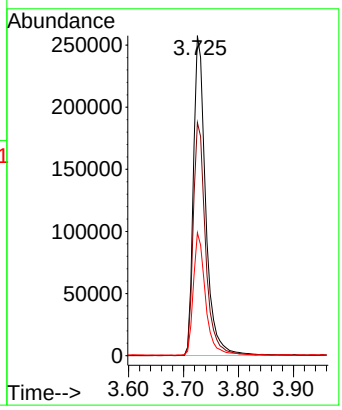




#3
Pyridine
Concen: 38.896 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 79 Resp: 39964

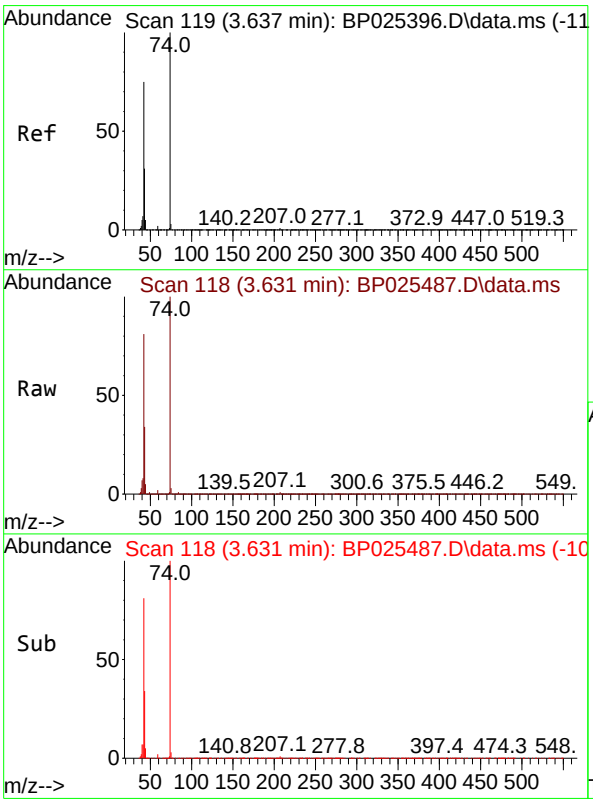
Ion	Ratio	Lower	Upper
79	100		
52	72.9	55.5	83.3
51	38.4	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

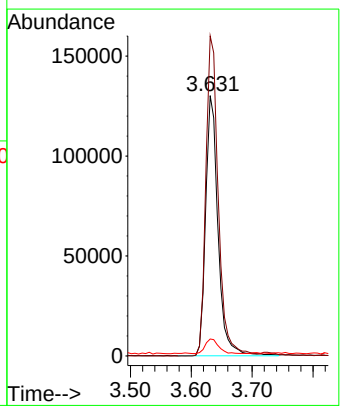
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

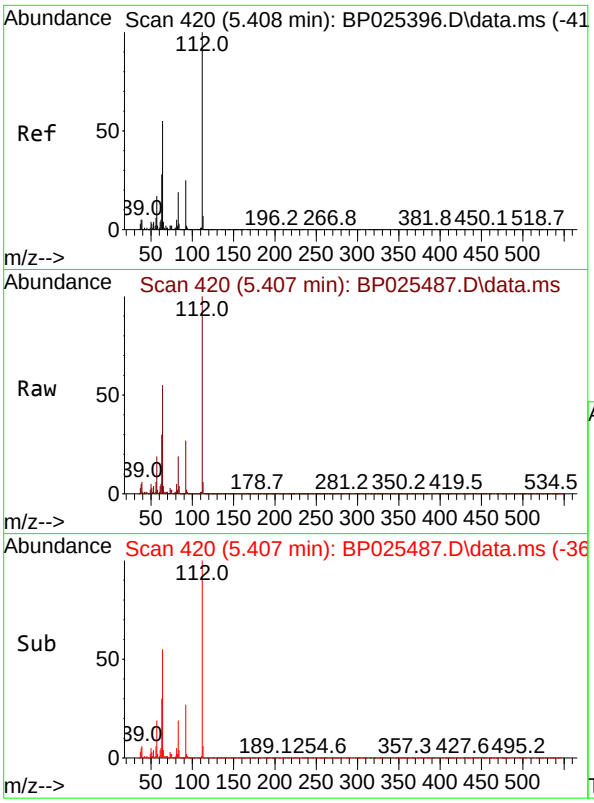


#4
n-Nitrosodimethylamine
Concen: 43.424 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 42 Resp: 183947

Ion	Ratio	Lower	Upper
42	100		
74	122.9	107.0	160.4
44	6.5	6.2	9.4

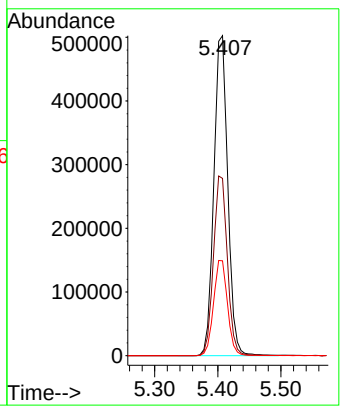




#5
2-Fluorophenol
Concen: 79.946 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:112 Resp: 76619

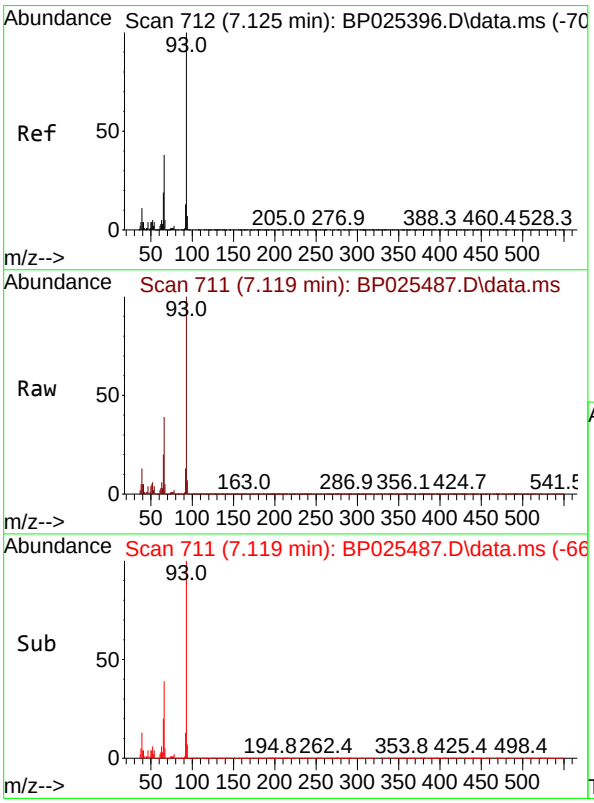
Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.8	65.8
63	29.7	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

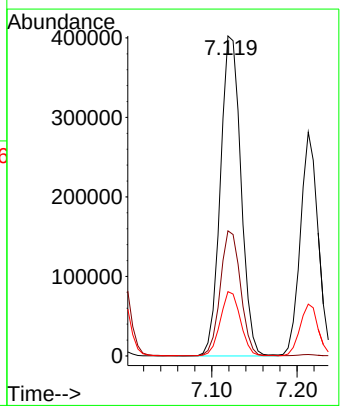
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

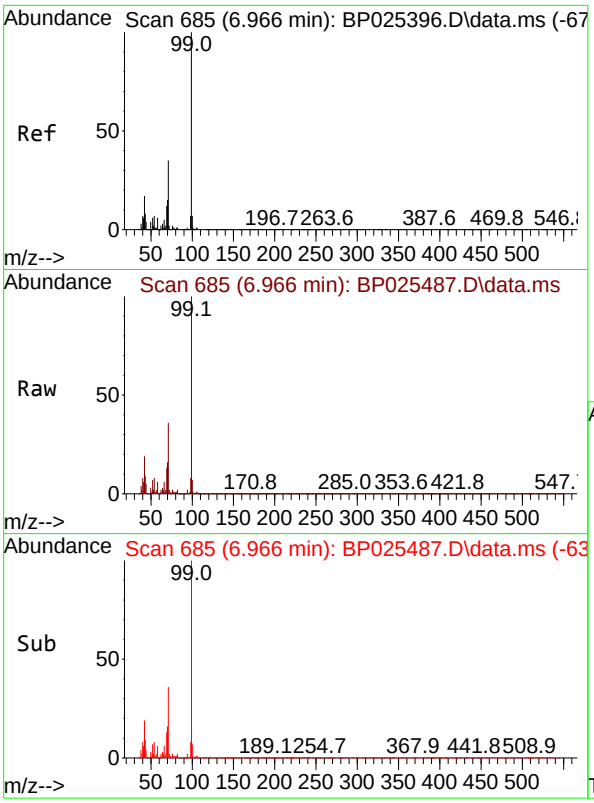


#6
Aniline
Concen: 40.682 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 673487

Ion	Ratio	Lower	Upper
93	100		
66	39.1	30.4	45.6
65	20.1	15.3	22.9

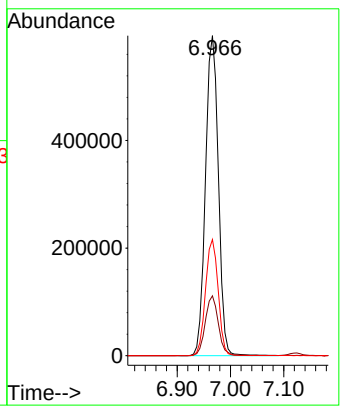




#7
Phenol-d6
Concen: 81.335 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 99 Resp: 99938

Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.7	20.5
71	36.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
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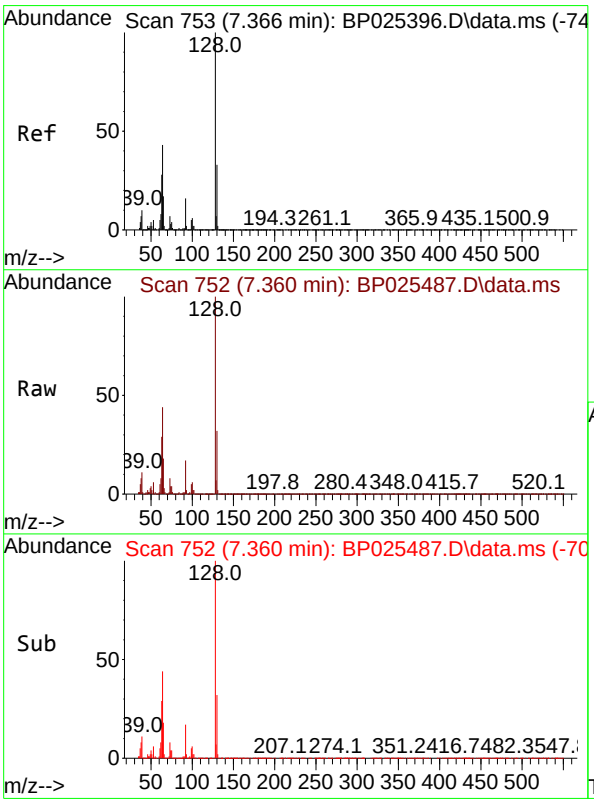
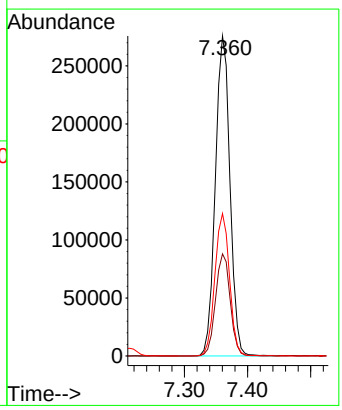
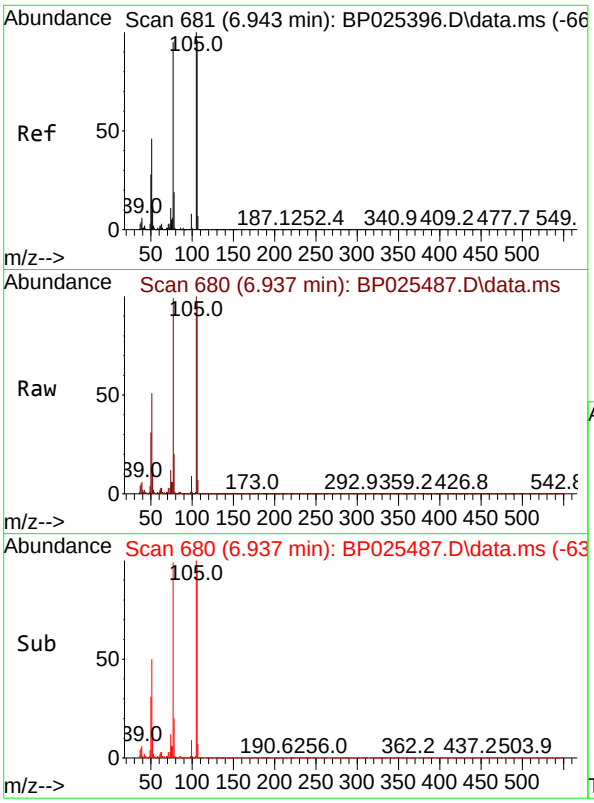


#8
2-Chlorophenol
Concen: 40.892 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:128 Resp: 442242

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	44.5	23.4	63.4

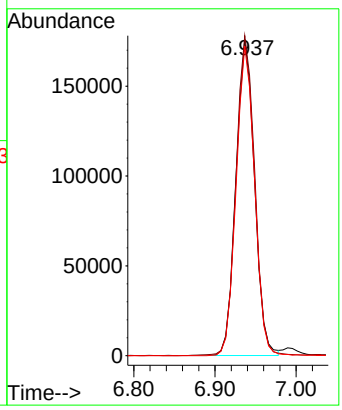




#9
Benzaldehyde
Concen: 32.395 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 77 Resp: 27887

Ion	Ratio	Lower	Upper
77	100		
105	101.2	84.8	124.8
106	97.9	80.5	120.5



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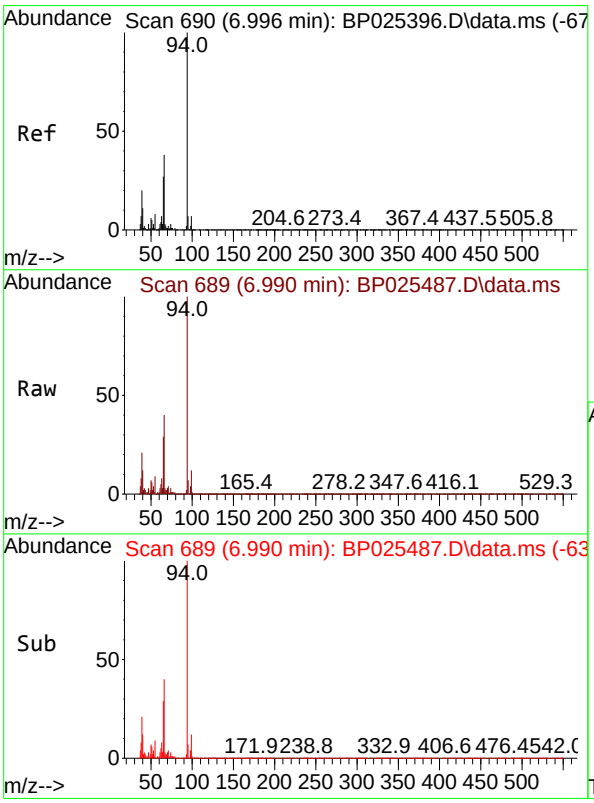
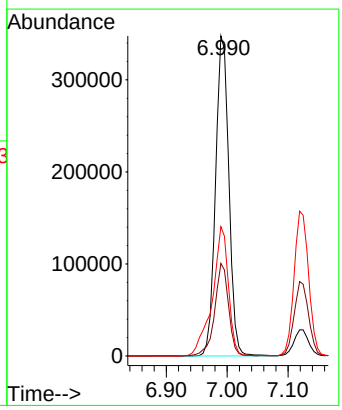
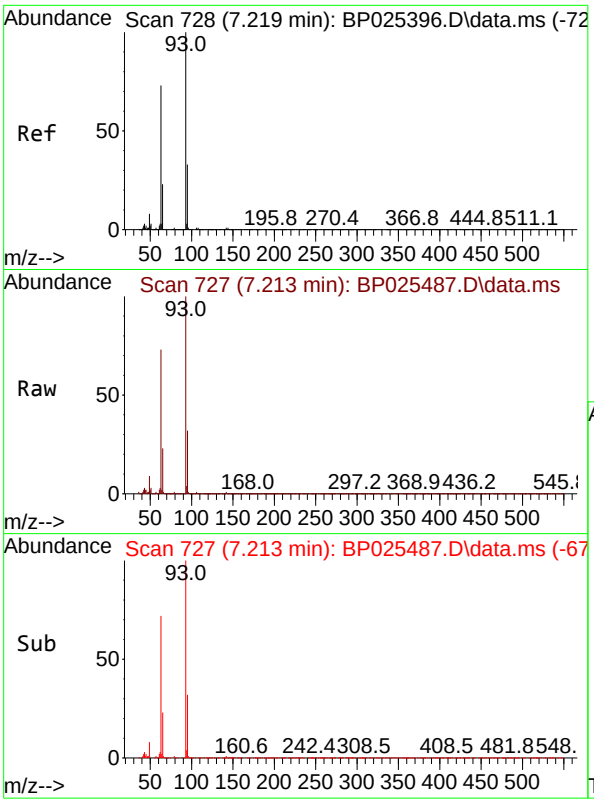


#10
Phenol
Concen: 41.003 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 94 Resp: 528660

Ion	Ratio	Lower	Upper
94	100		
65	28.9	6.8	46.8
66	40.4	18.2	58.2

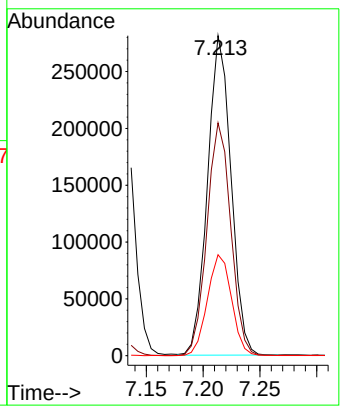




#11
bis(2-Chloroethyl)ether
Concen: 40.176 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 40374

Ion	Ratio	Lower	Upper
93	100		
63	72.7	52.6	92.6
95	31.5	12.7	52.7



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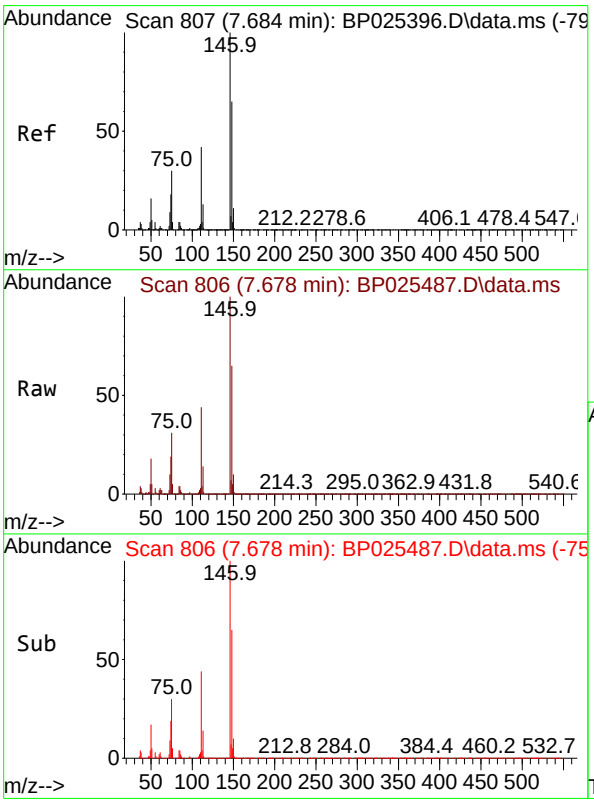
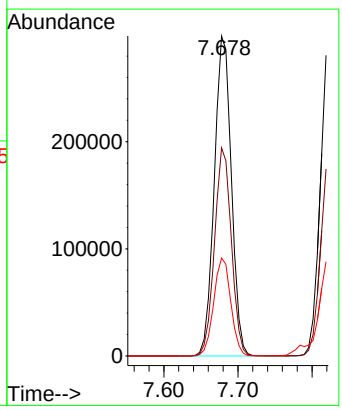
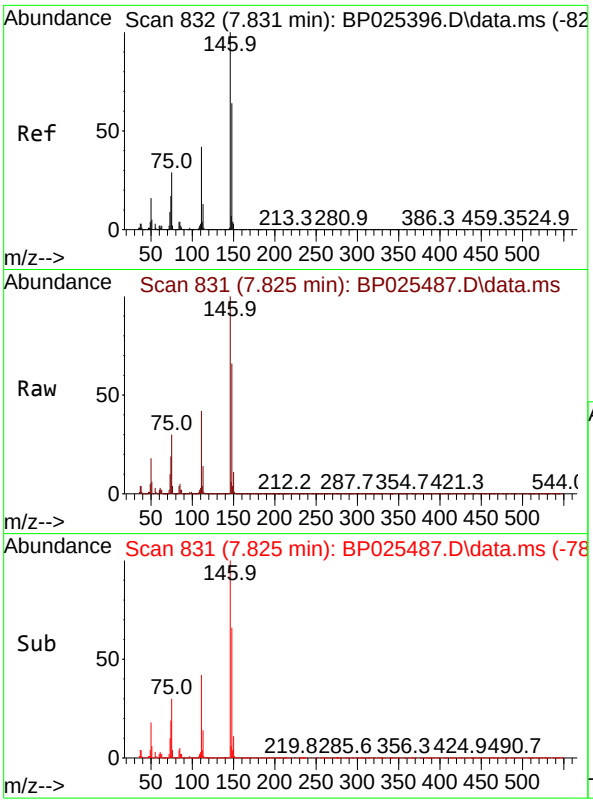


#12
1,3-Dichlorobenzene
Concen: 40.056 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 477680

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	30.6	23.7	35.5





#13
1,4-Dichlorobenzene
Concen: 39.818 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 48533

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.6	77.4
111	41.6	33.4	50.0

Instrument :
BNA_P
ClientSampleId :
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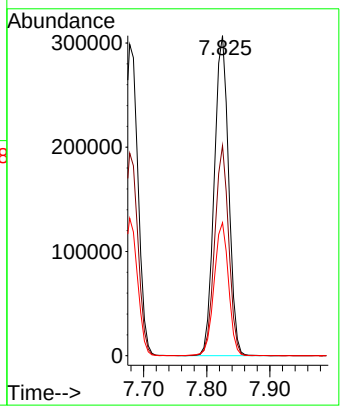
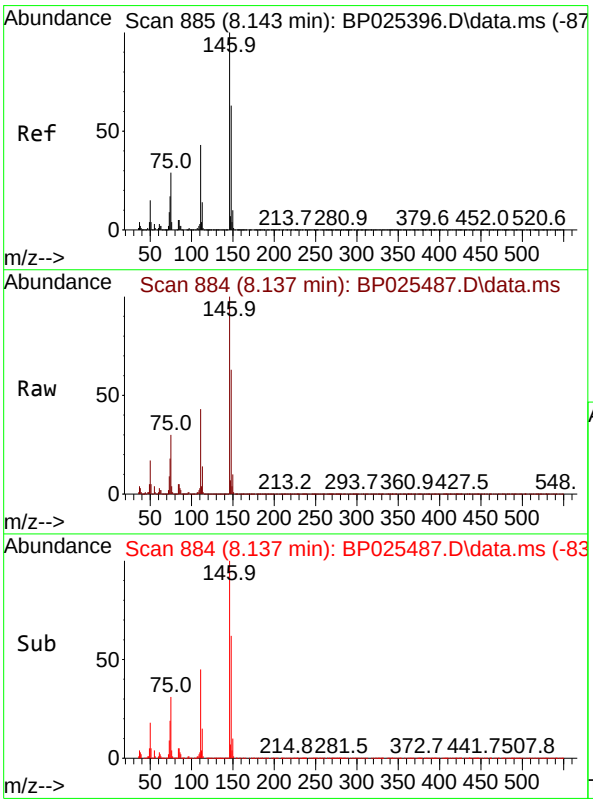
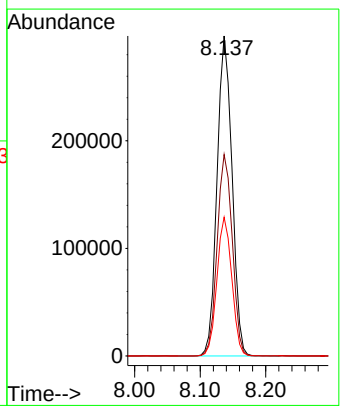


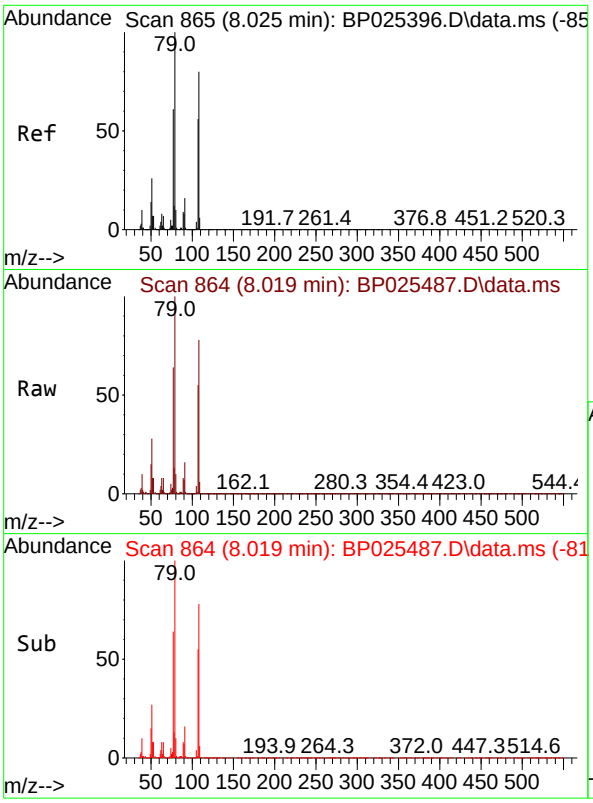


#14
1,2-Dichlorobenzene
Concen: 39.843 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 470101

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.3	34.5	51.7





#15
Benzyl Alcohol
Concen: 40.657 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 79 Resp: 39693

Ion	Ratio	Lower	Upper
79	100		
108	77.6	63.8	95.6
77	64.0	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
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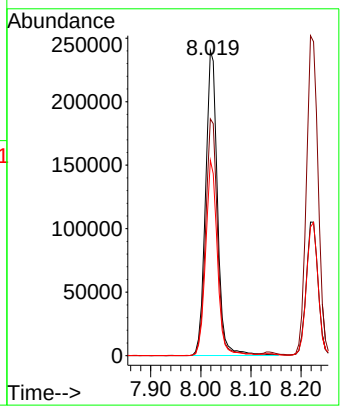
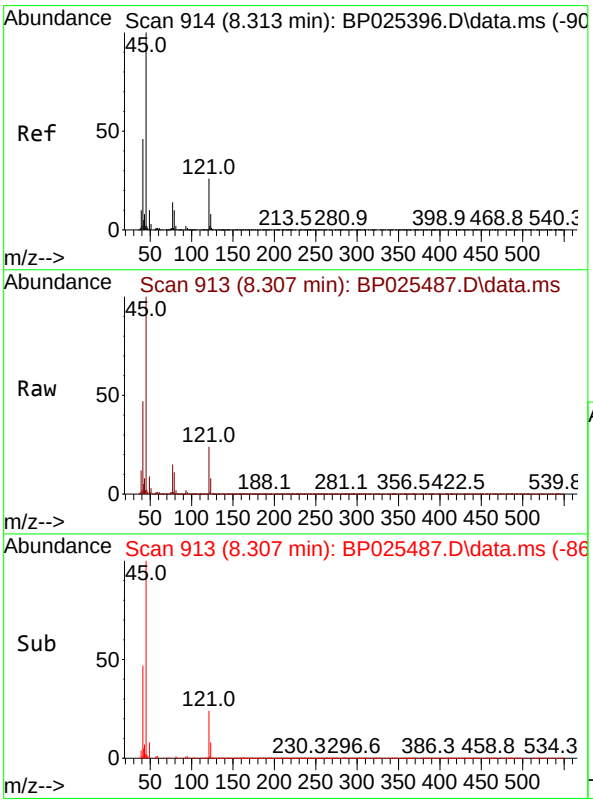
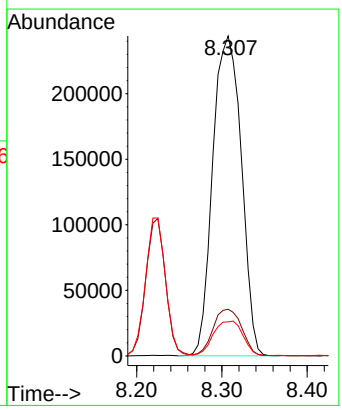


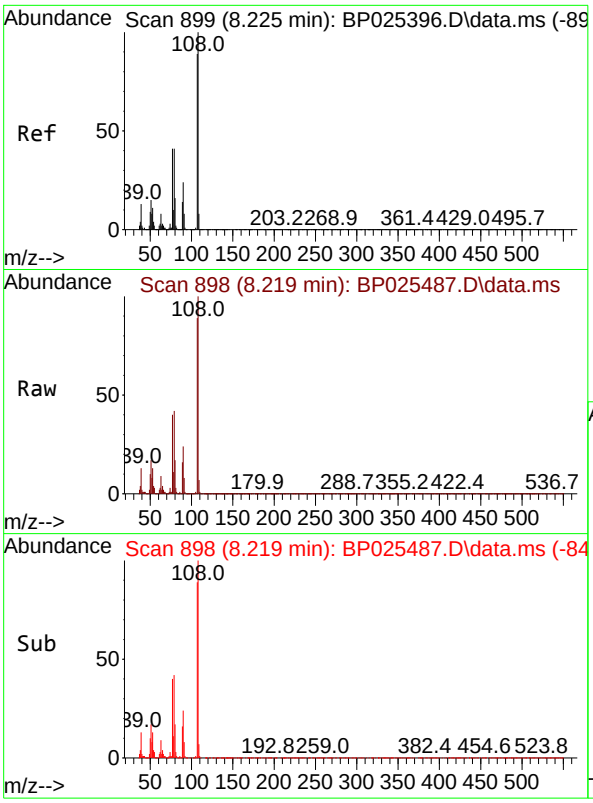


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.192 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 45 Resp: 567987

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.6	0.0	31.8

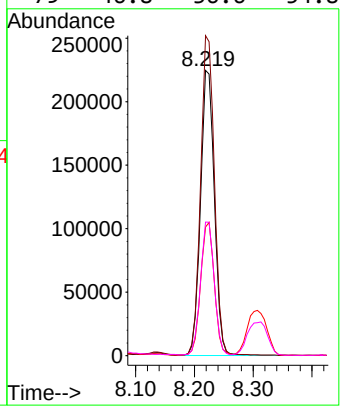




#17
2-Methylphenol
Concen: 40.950 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 36668

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.4	134.0
77	45.1	36.3	54.5
79	46.8	36.6	54.8



Instrument :
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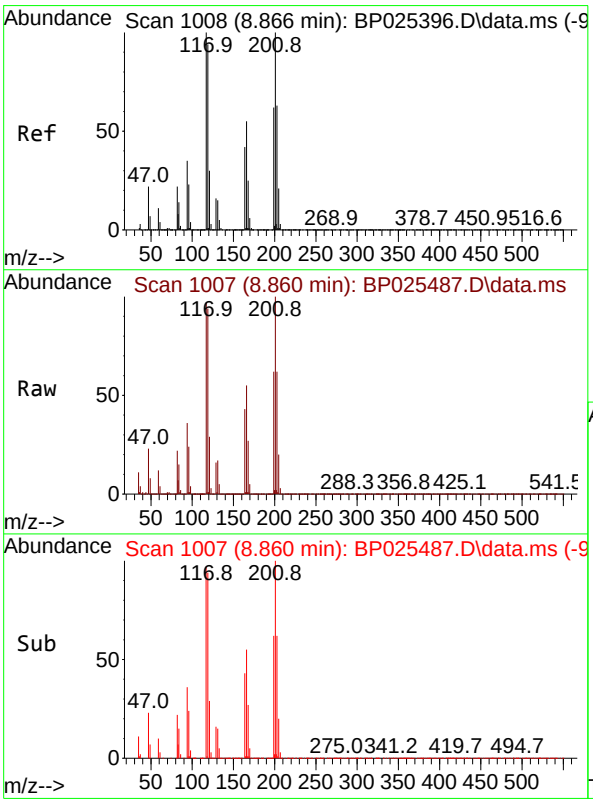
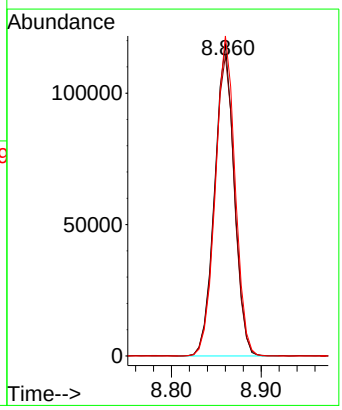
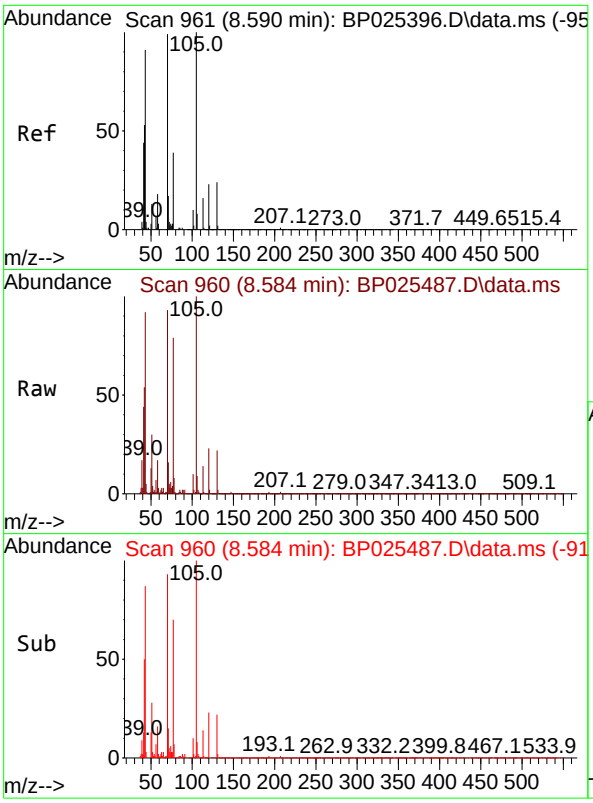


#18
Hexachloroethane
Concen: 40.200 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:117 Resp: 180159

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.1	112.7
201	102.7	80.1	120.1

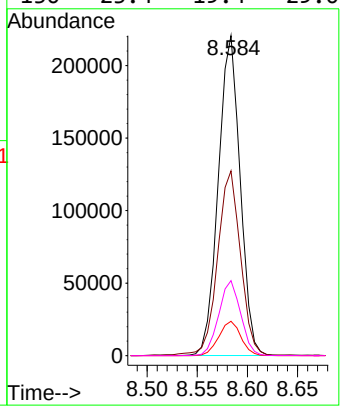




#19
n-Nitroso-di-n-propylamine
Concen: 40.903 ng
RT: 8.584 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 70 Resp: 33290(

Ion	Ratio	Lower	Upper
70	100		
42	57.8	43.8	65.6
101	10.7	8.5	12.7
130	23.4	19.4	29.0



Instrument :
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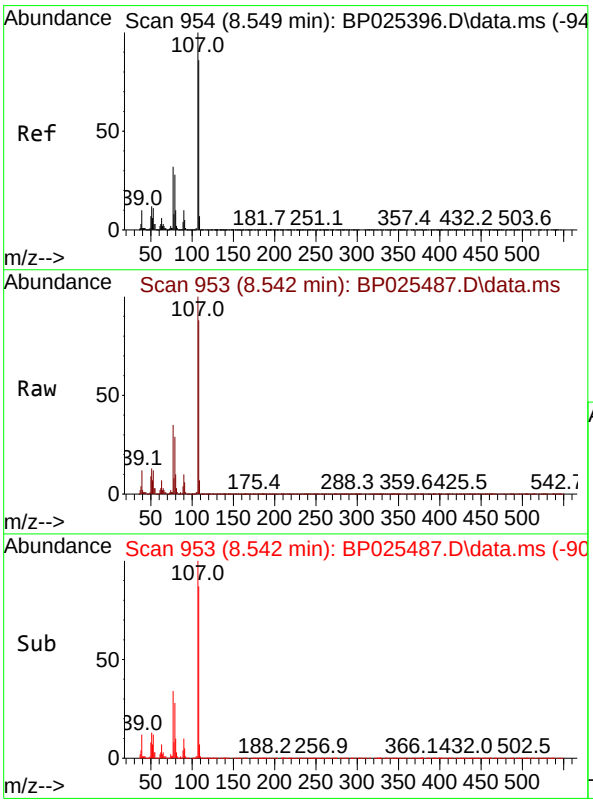
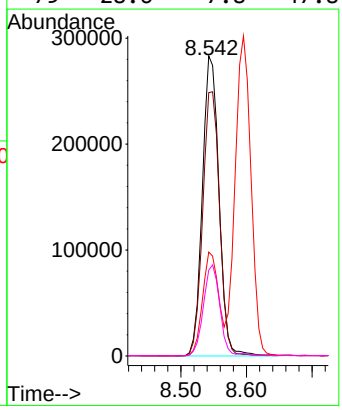
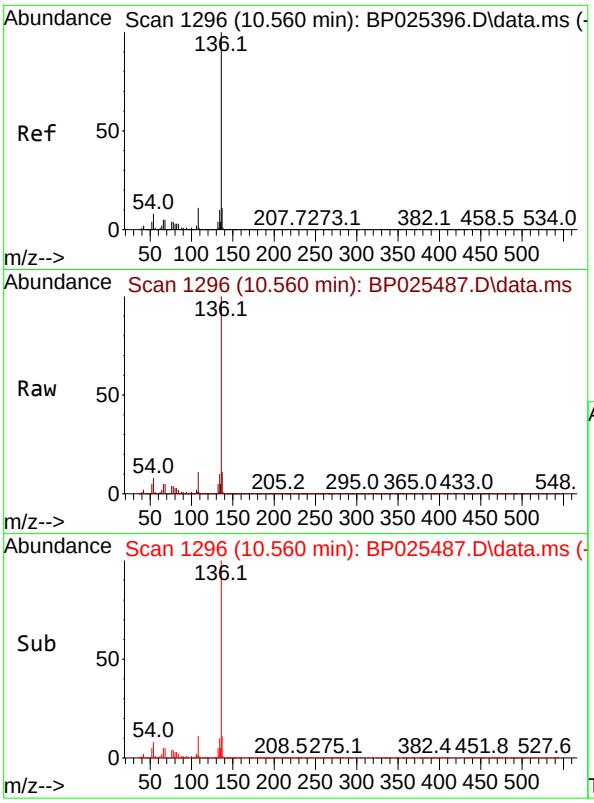


#20
3+4-Methylphenols
Concen: 40.292 ng
RT: 8.542 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 500121

Ion	Ratio	Lower	Upper
107	100		
108	87.8	66.3	106.3
77	34.6	12.3	52.3
79	28.6	7.8	47.8

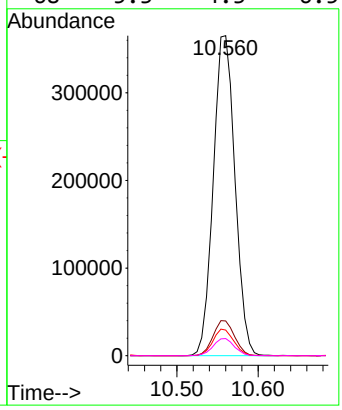




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:136 Resp: 67917

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5



Instrument :
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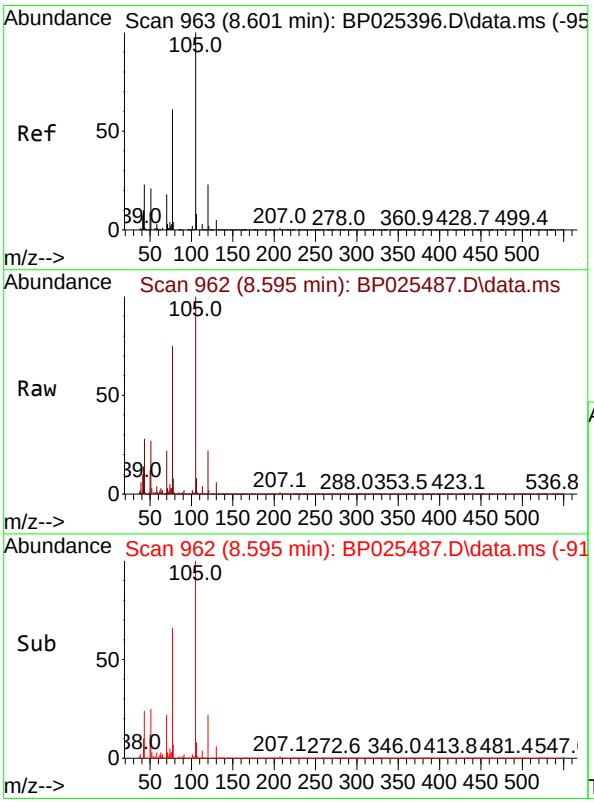
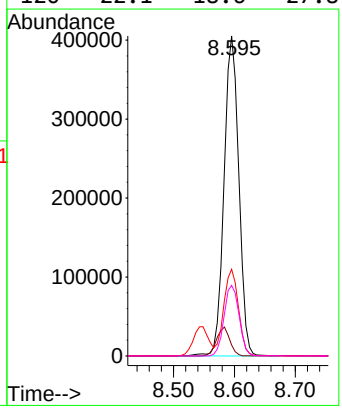
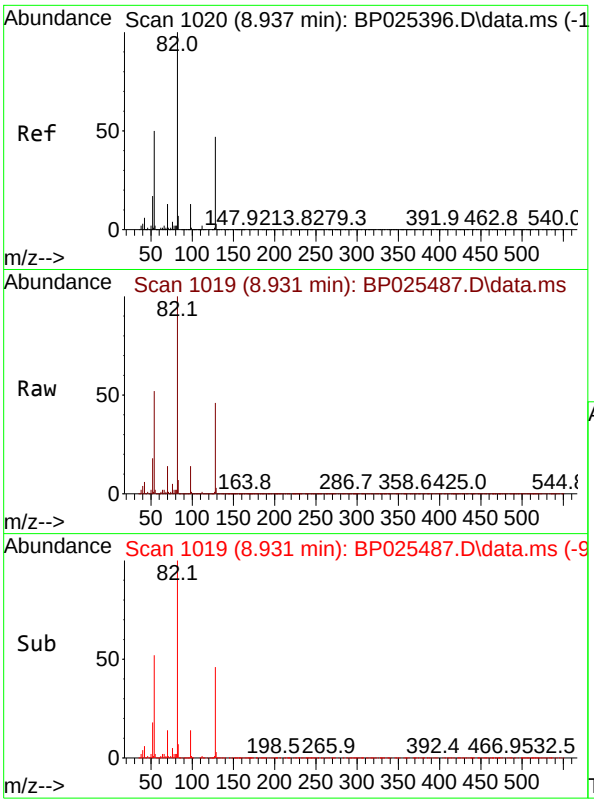


#22
Acetophenone
Concen: 40.149 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:105 Resp: 683834

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	27.1	20.6	30.8
120	22.1	18.6	27.8





#23
Nitrobenzene-d5
Concen: 81.140 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 82 Resp: 108941

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	52.2	39.8	59.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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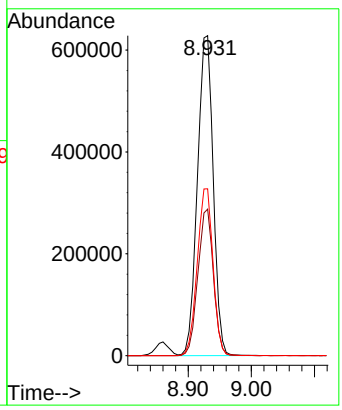
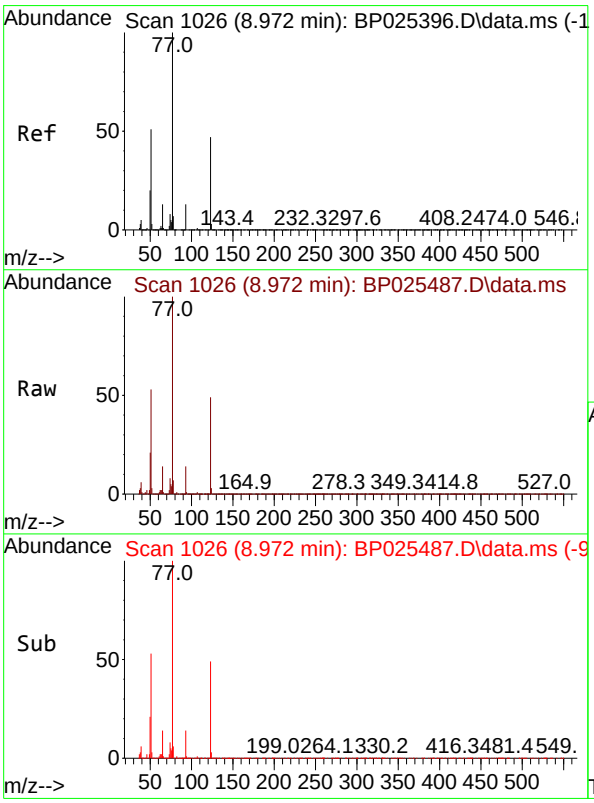
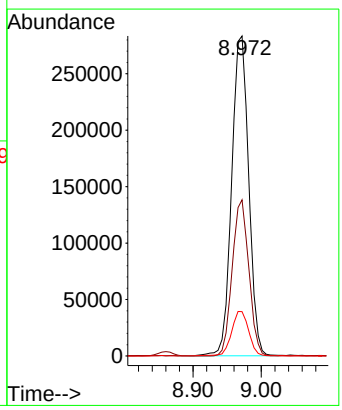


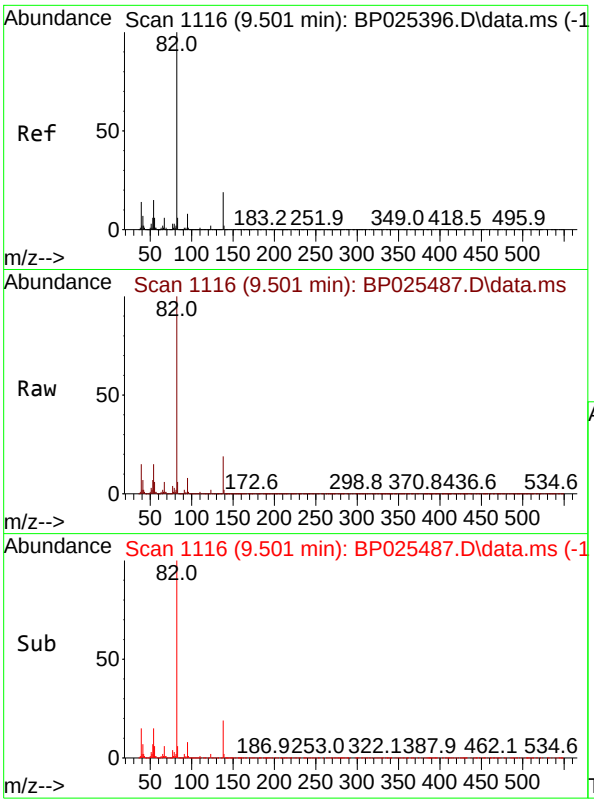


#24
Nitrobenzene
Concen: 40.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 77 Resp: 491390

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	13.9	10.6	15.8

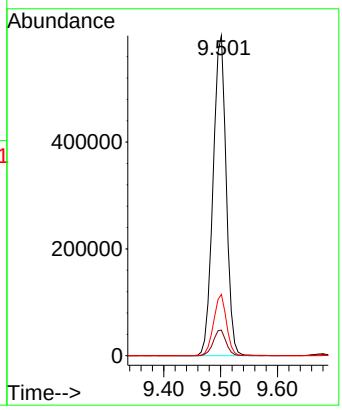




#25
Isophorone
Concen: 40.304 ng
RT: 9.501 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 82 Resp: 95766

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0



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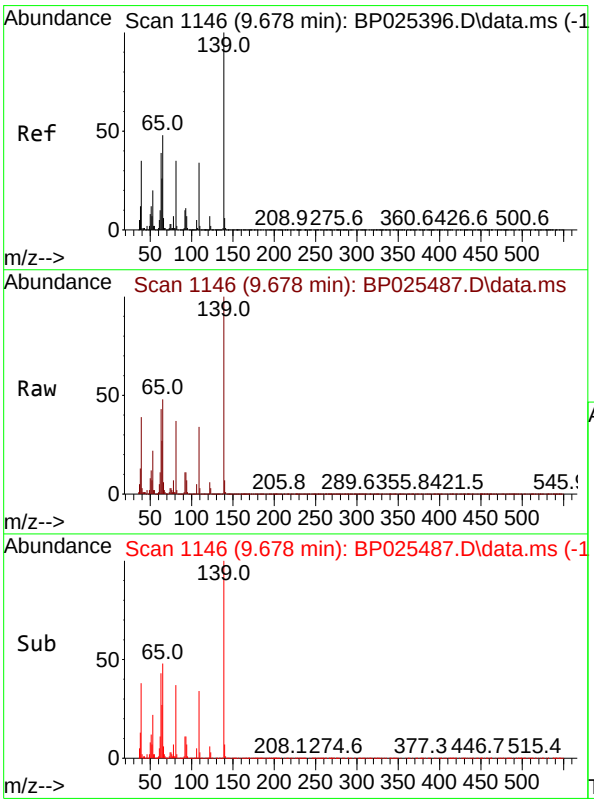
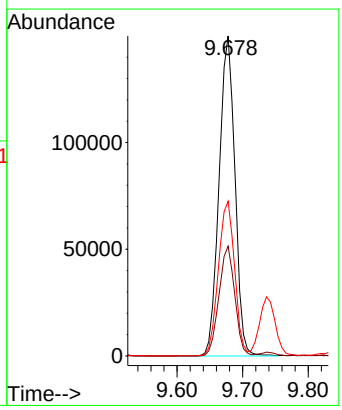
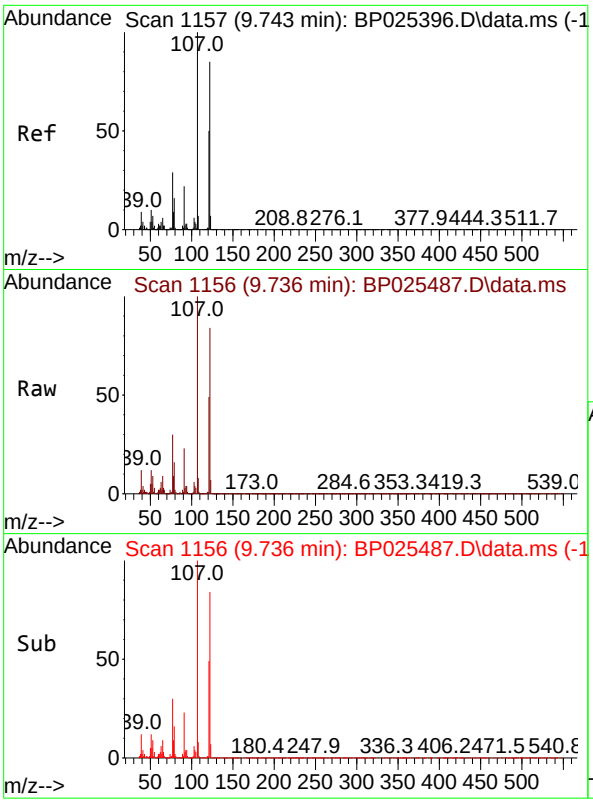


#26
2-Nitrophenol
Concen: 40.785 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:139 Resp: 251156

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.9	40.3
65	48.3	38.3	57.5

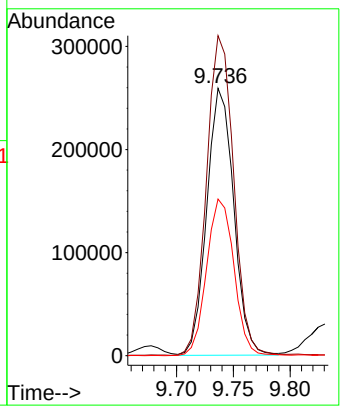




#27
2,4-Dimethylphenol
Concen: 40.448 ng
RT: 9.736 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:122 Resp: 42835

Ion	Ratio	Lower	Upper
122	100		
107	119.7	93.7	140.5
121	58.6	46.6	69.8



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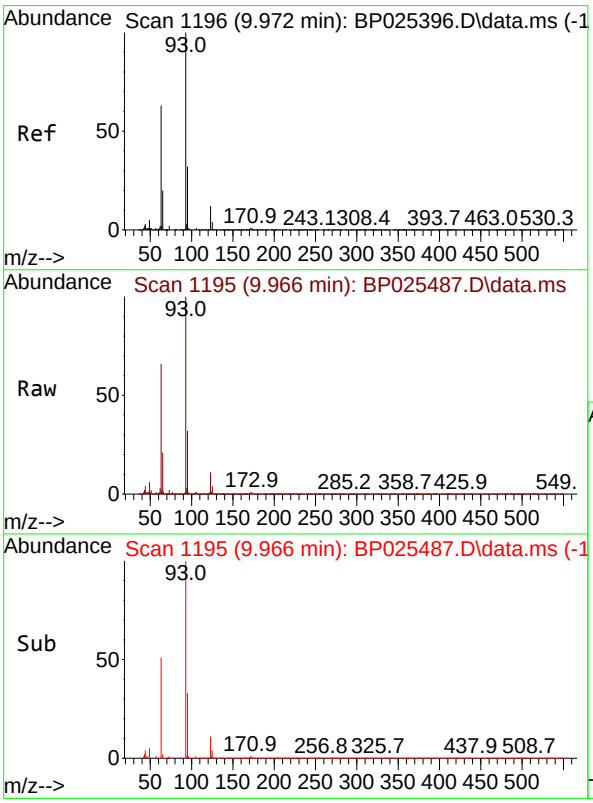
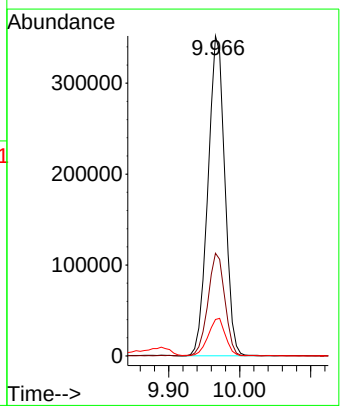
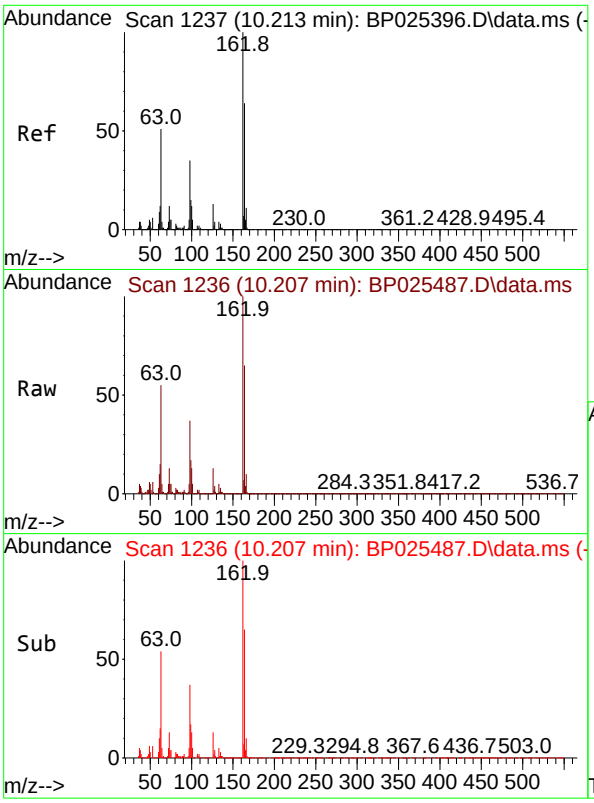


#28
bis(2-Chloroethoxy)methane
Concen: 40.338 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 579381

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	11.4	9.4	14.0

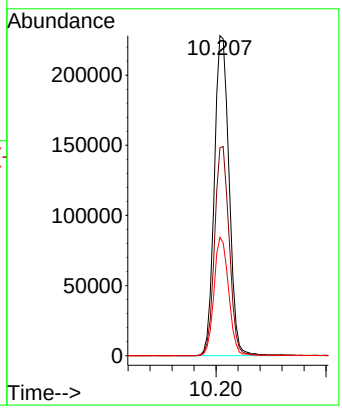




#29
2,4-Dichlorophenol
Concen: 40.398 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:162 Resp: 42498

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.4	84.4
98	36.9	14.9	54.9



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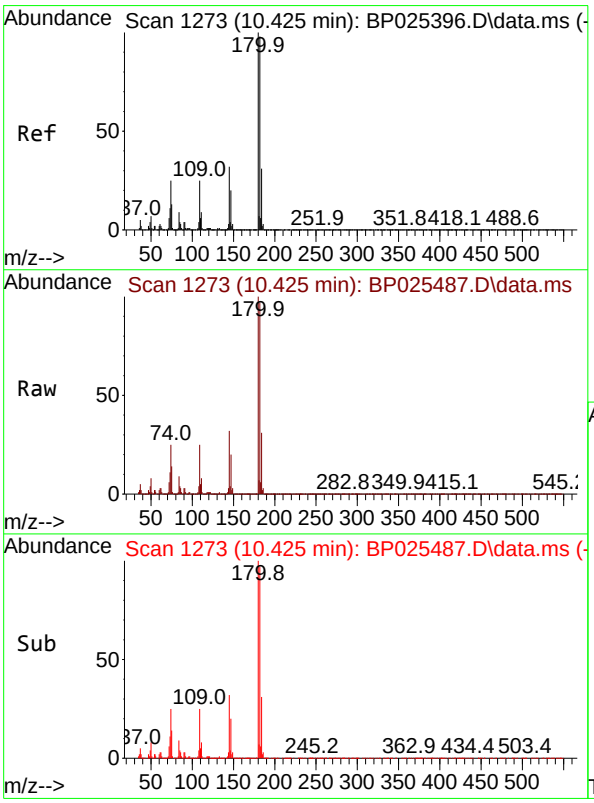
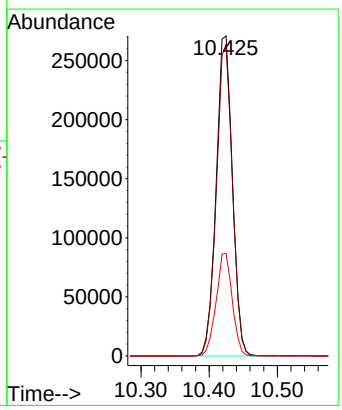
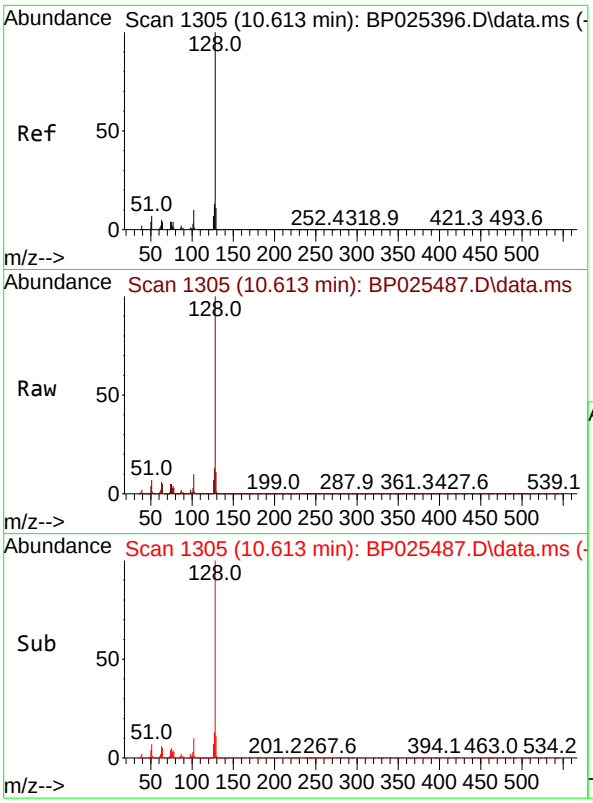


#30
1,2,4-Trichlorobenzene
Concen: 38.983 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:180 Resp: 449563

Ion	Ratio	Lower	Upper
180	100		
182	97.3	78.0	117.0
145	32.1	25.9	38.9

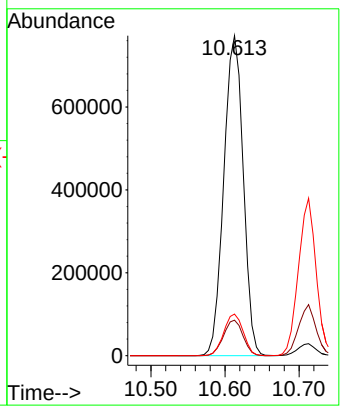




#31
Naphthalene
Concen: 39.844 ng
RT: 10.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:128 Resp: 140652

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.0	10.7	16.1



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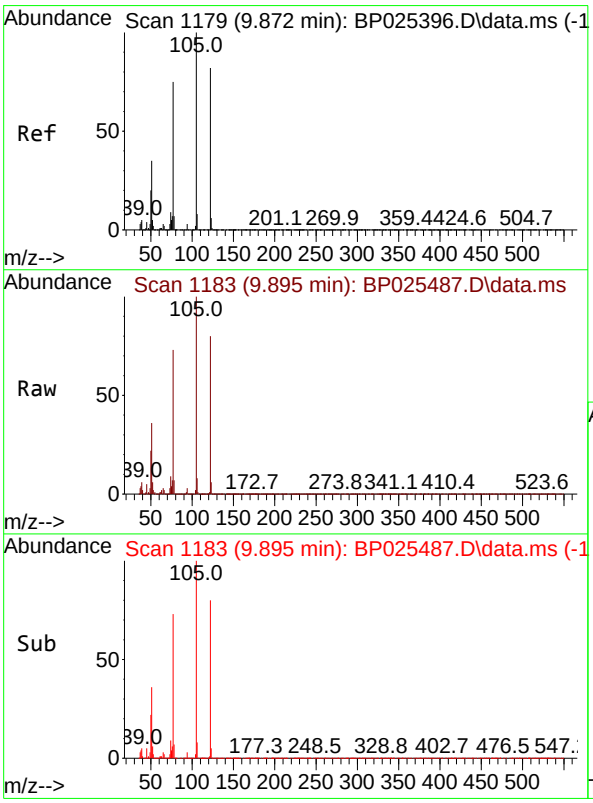
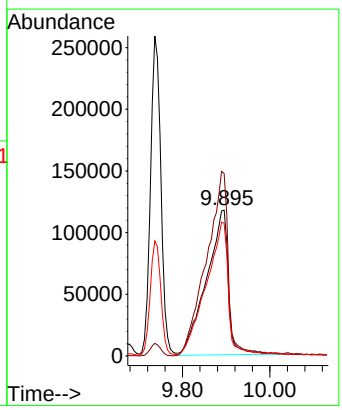
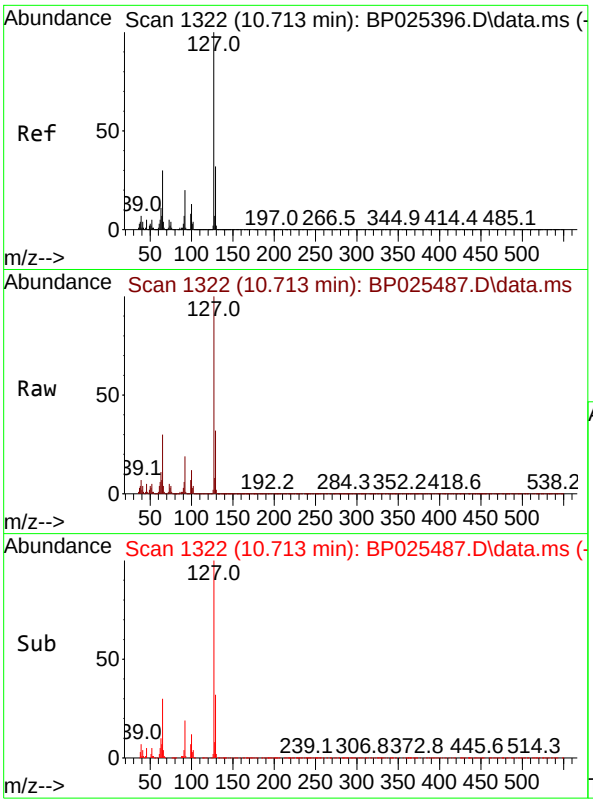


#32
Benzoic acid
Concen: 52.196 ng
RT: 9.895 min Scan# 1183
Delta R.T. 0.023 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:122 Resp: 408095

Ion	Ratio	Lower	Upper
122	100		
105	125.2	100.6	140.6
77	91.0	71.5	111.5

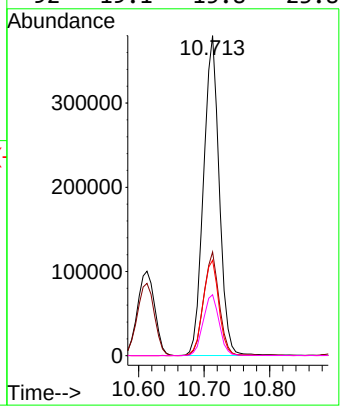




#33
4-Chloroaniline
Concen: 40.661 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:127 Resp: 63402

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	29.8	23.8	35.6
92	19.1	15.8	23.8



Instrument :
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ClientSampleId :
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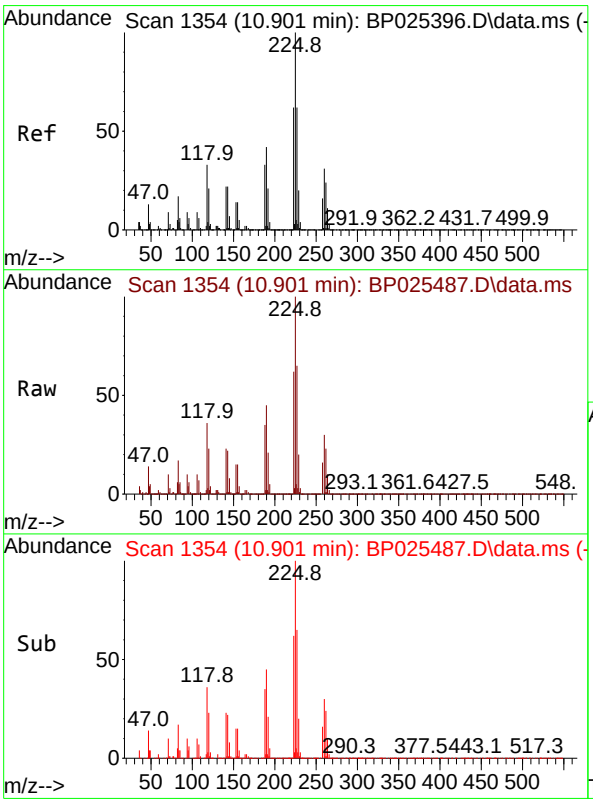
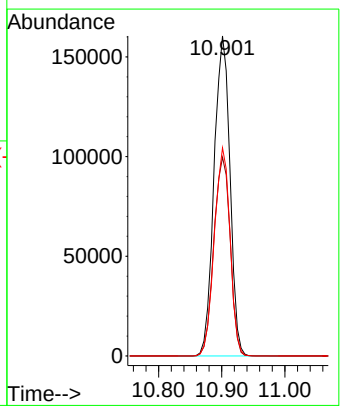
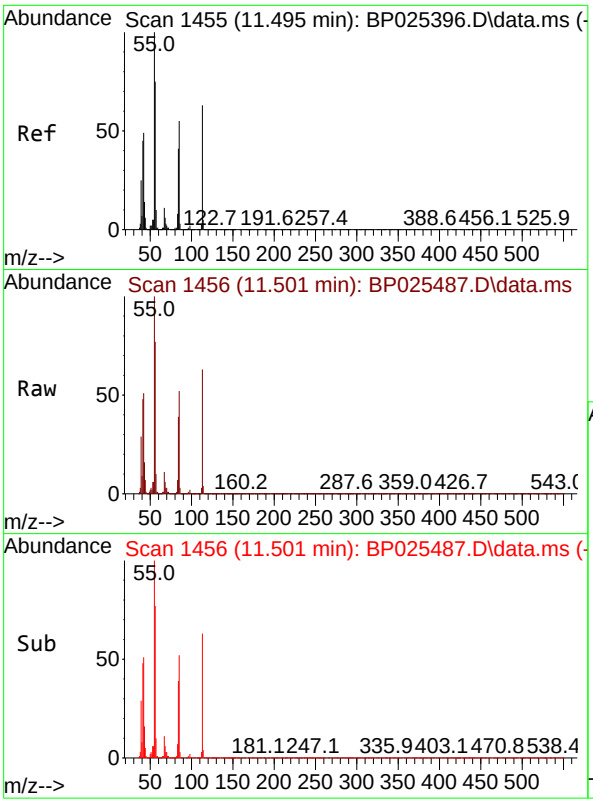


#34
Hexachlorobutadiene
Concen: 39.100 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:225 Resp: 280821

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	65.1	49.7	74.5

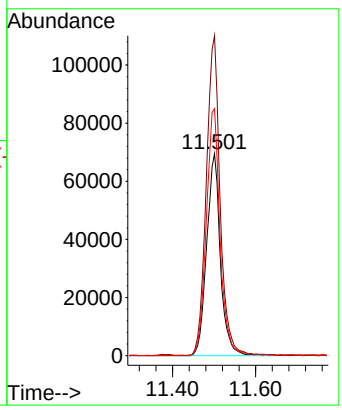




#35
Caprolactam
Concen: 41.192 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:113 Resp: 15890

Ion	Ratio	Lower	Upper
113	100		
55	158.4	140.0	180.0
56	122.3	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
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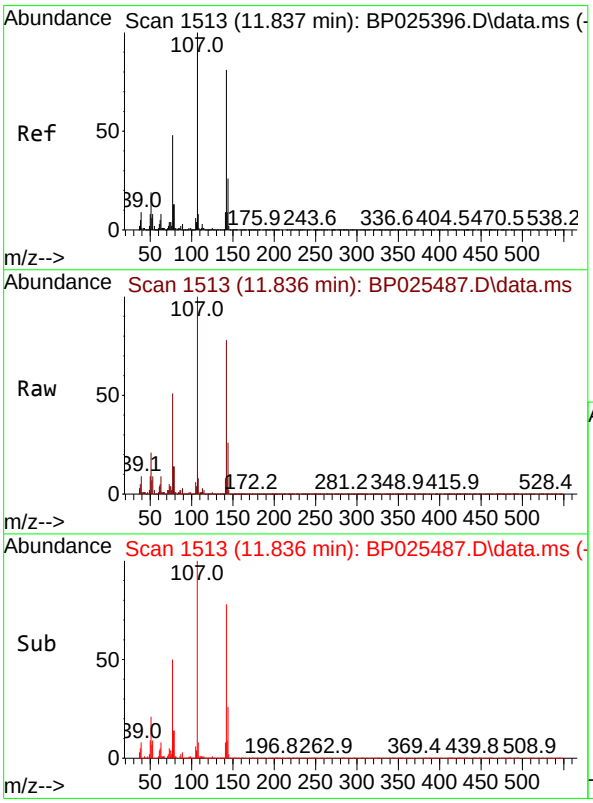
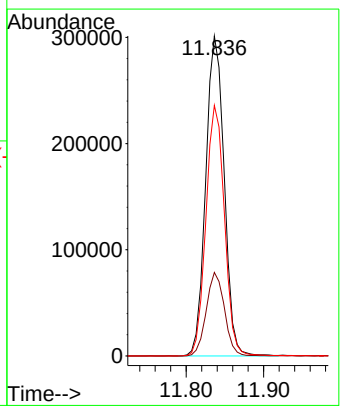
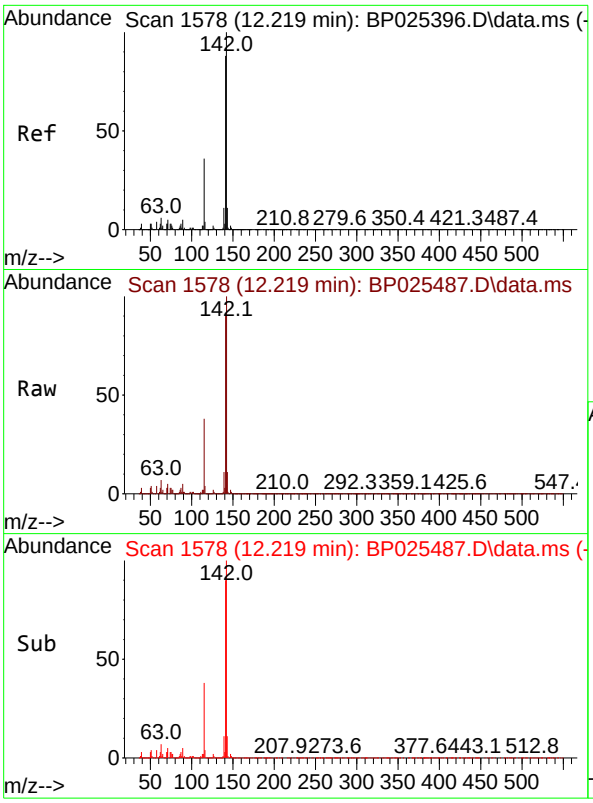


#36
4-Chloro-3-methylphenol
Concen: 41.295 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 498499

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	78.3	64.6	97.0

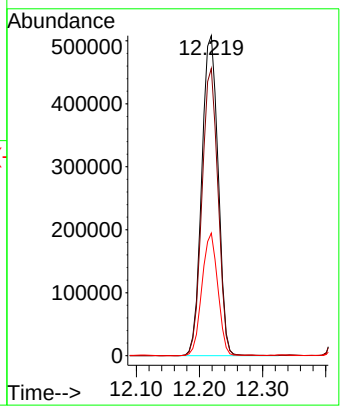




#37
2-Methylnaphthalene
Concen: 39.806 ng
RT: 12.219 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 91445

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.3	105.5
115	38.3	28.9	43.3



Instrument :
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ClientSampleId :
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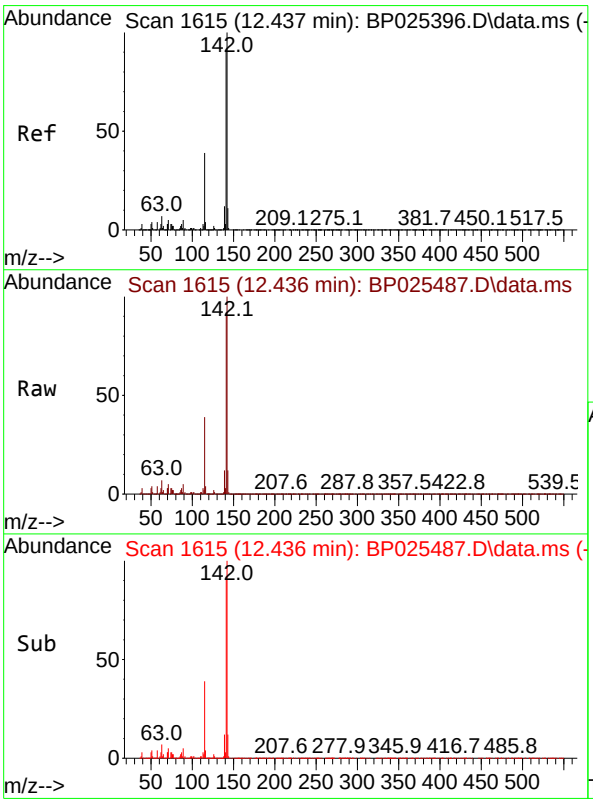
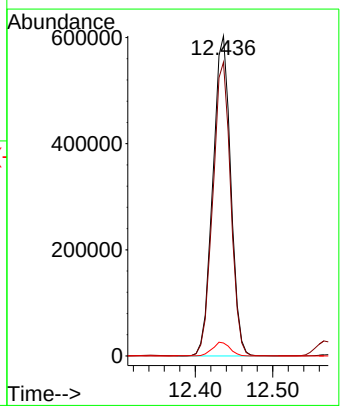
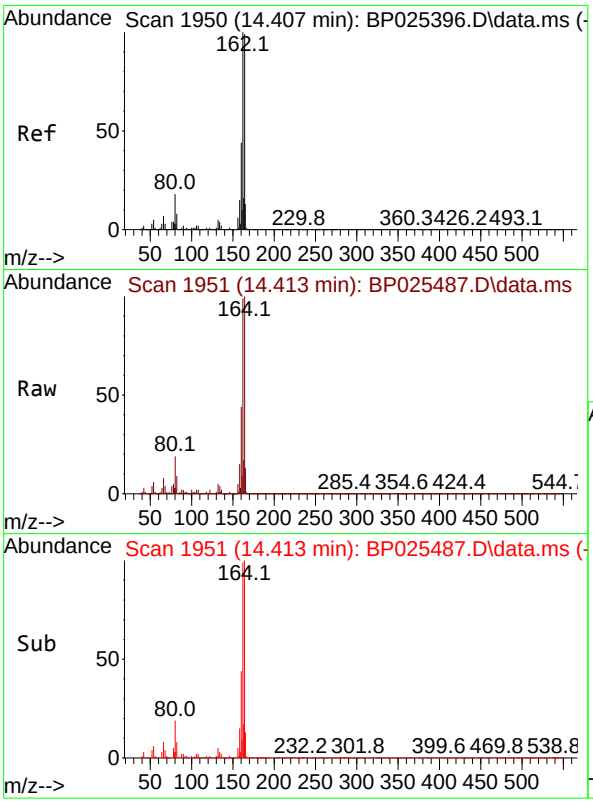


#38
1-Methylnaphthalene
Concen: 39.466 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 964168

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7
116	4.0	3.2	4.8

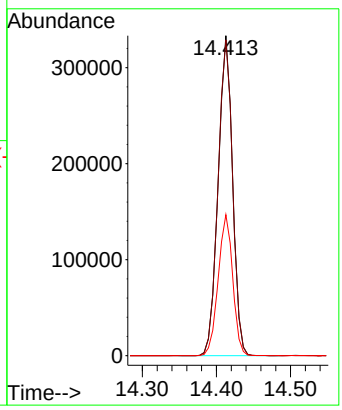




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:164 Resp: 45086

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.1	35.4	53.2



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ClientSampleId :
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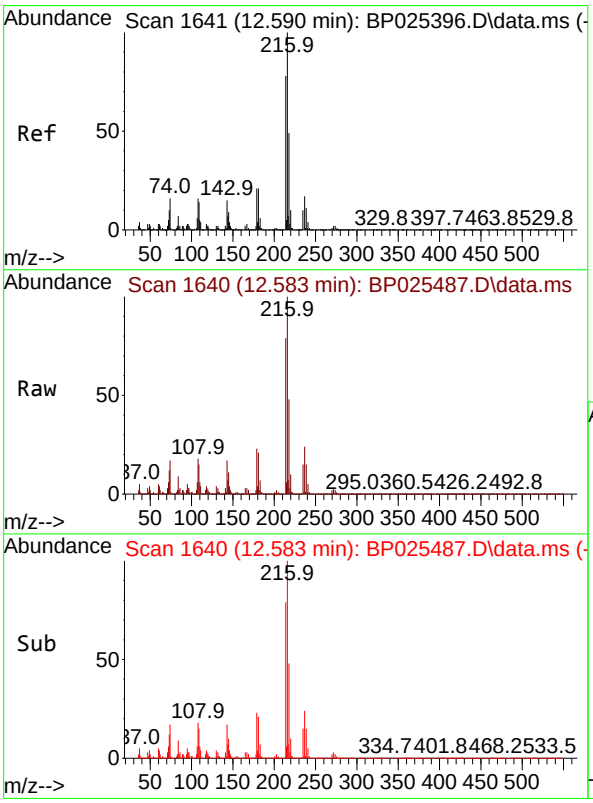
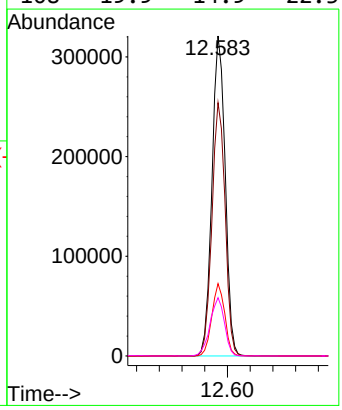
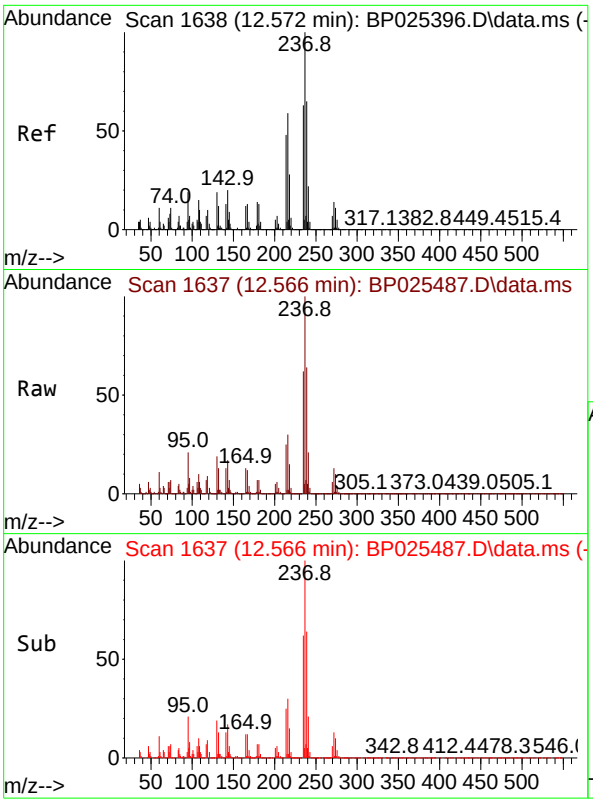


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.618 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:216 Resp: 515884

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	22.1	17.1	25.7
108	19.9	14.9	22.3

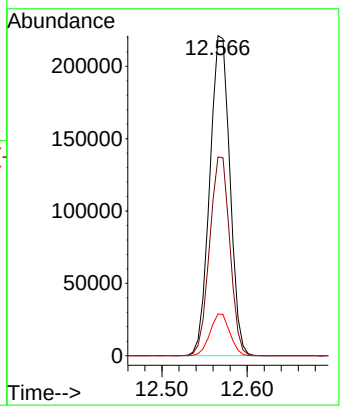




#41
Hexachlorocyclopentadiene
Concen: 46.040 ng
RT: 12.566 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:237 Resp: 36212

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.7	82.7
272	13.1	0.0	34.0



Instrument :
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ClientSampleId :
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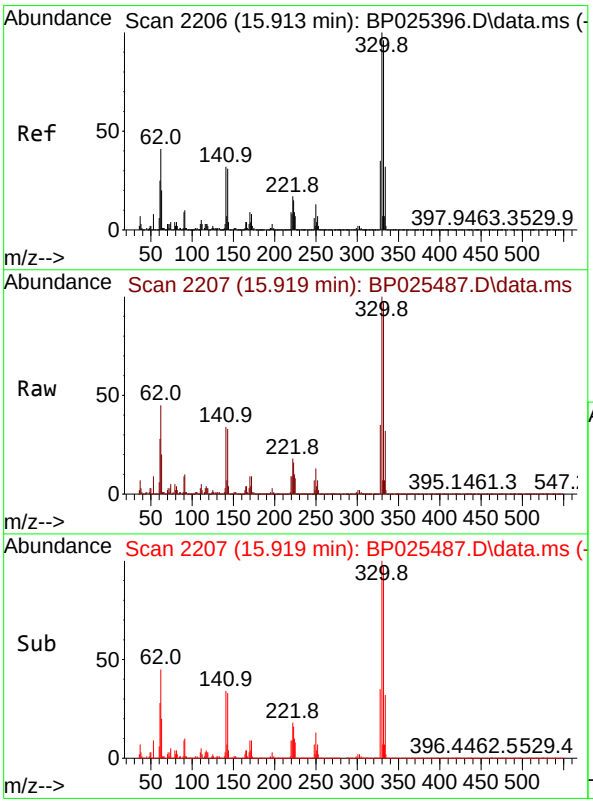
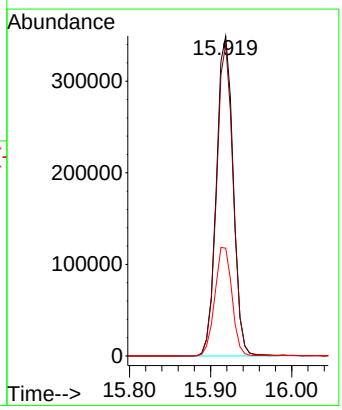
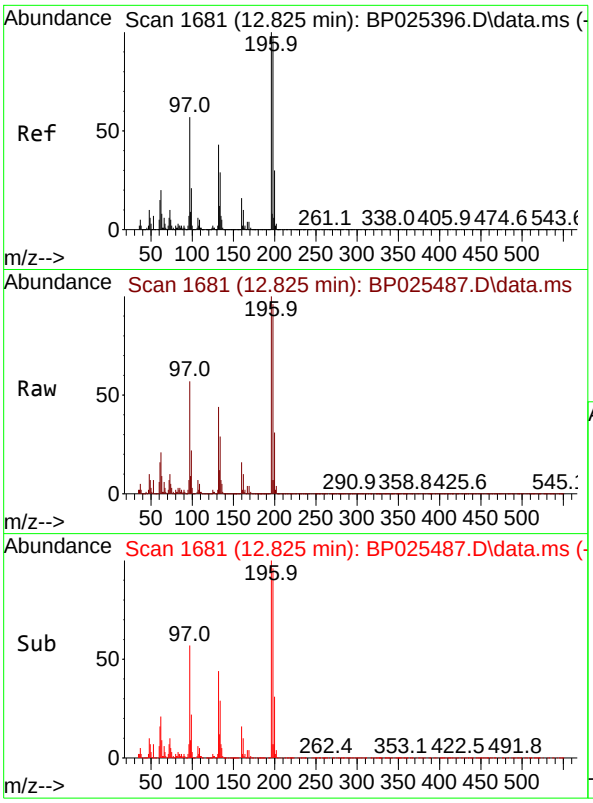


#42
2,4,6-Tribromophenol
Concen: 82.710 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:330 Resp: 501941

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	34.8	26.6	39.8

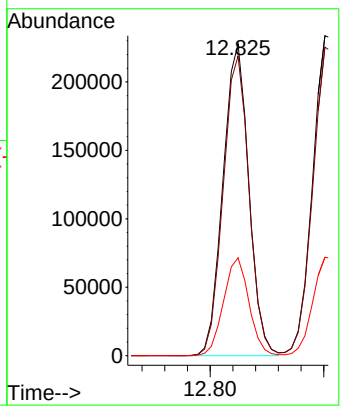




#43
2,4,6-Trichlorophenol
Concen: 40.986 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:196 Resp: 36030

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.2	115.8
200	31.4	23.9	35.9



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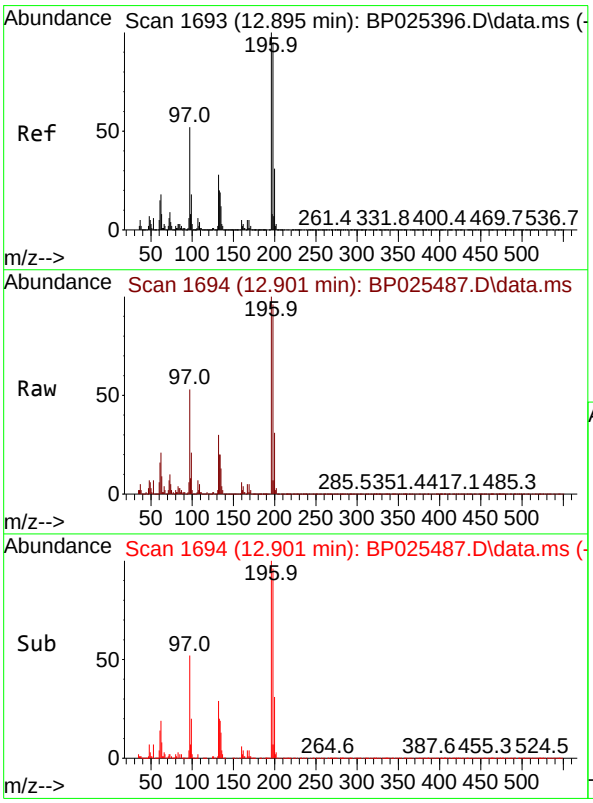
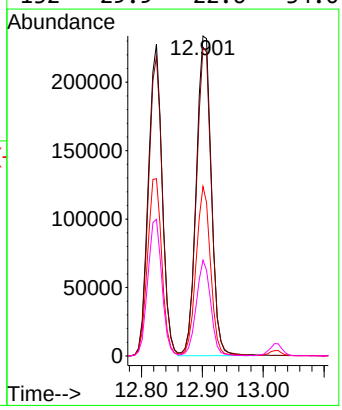
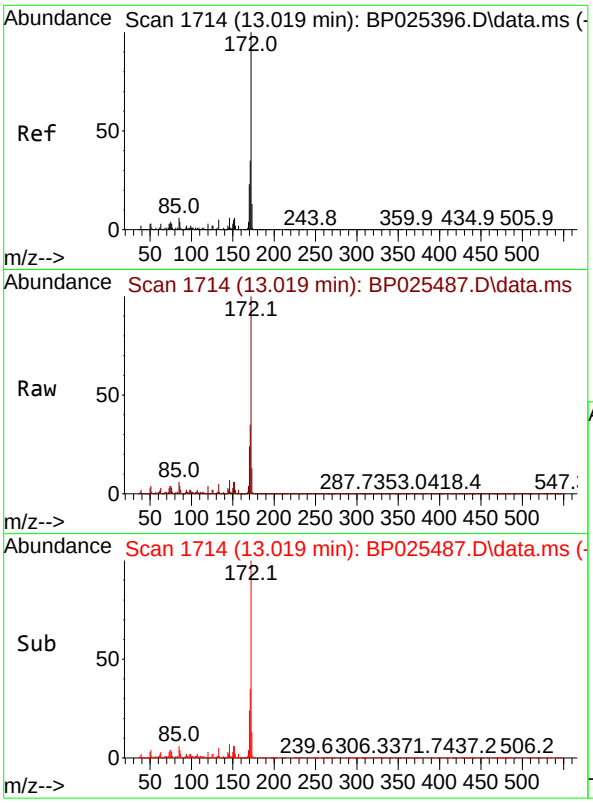


#44
2,4,5-Trichlorophenol
Concen: 41.492 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:196 Resp: 399763

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	53.0	41.2	61.8
132	29.9	22.6	34.0

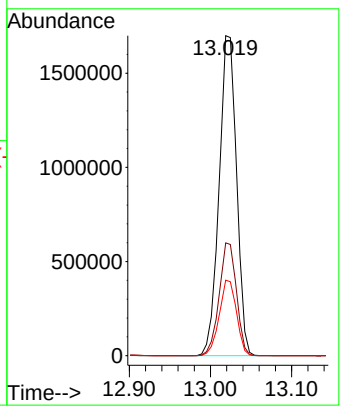




#45
2-Fluorobiphenyl
Concen: 76.967 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:172 Resp: 253909

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.6	18.6	28.0



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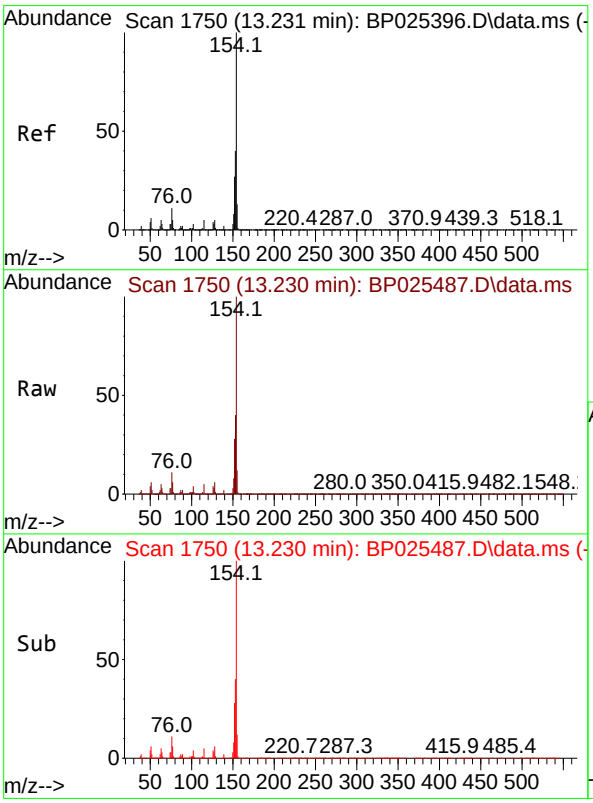
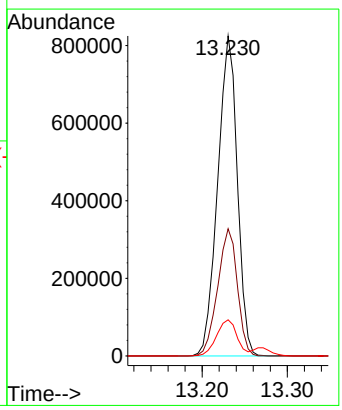
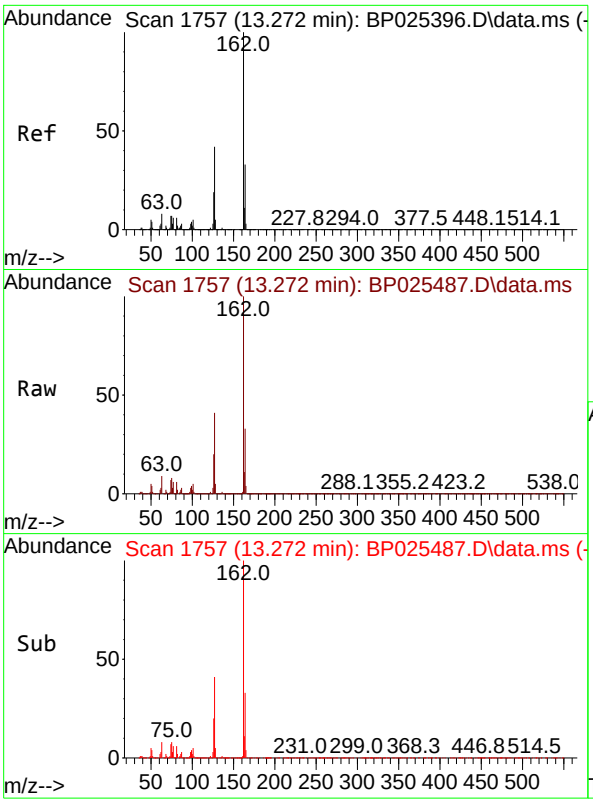


#46
1,1'-Biphenyl
Concen: 40.264 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 1318412

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.3	0.0	31.1

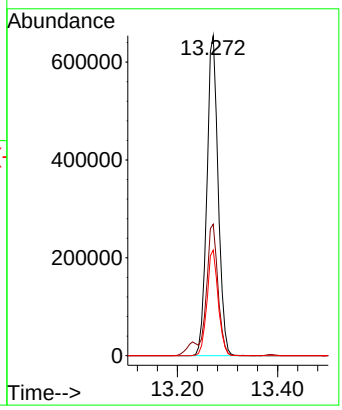




#47
2-Chloronaphthalene
Concen: 39.989 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:162 Resp: 101935

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	33.0	26.2	39.2



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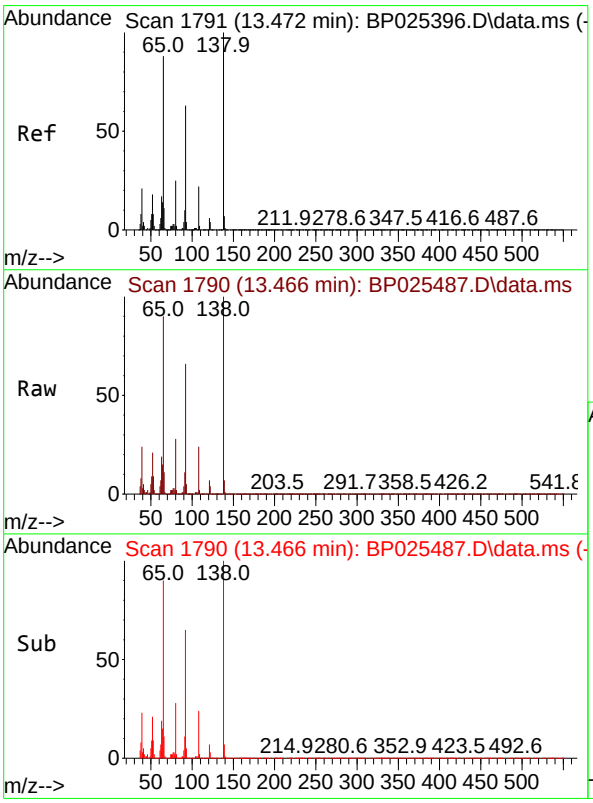
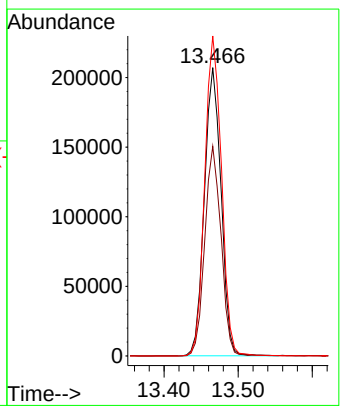
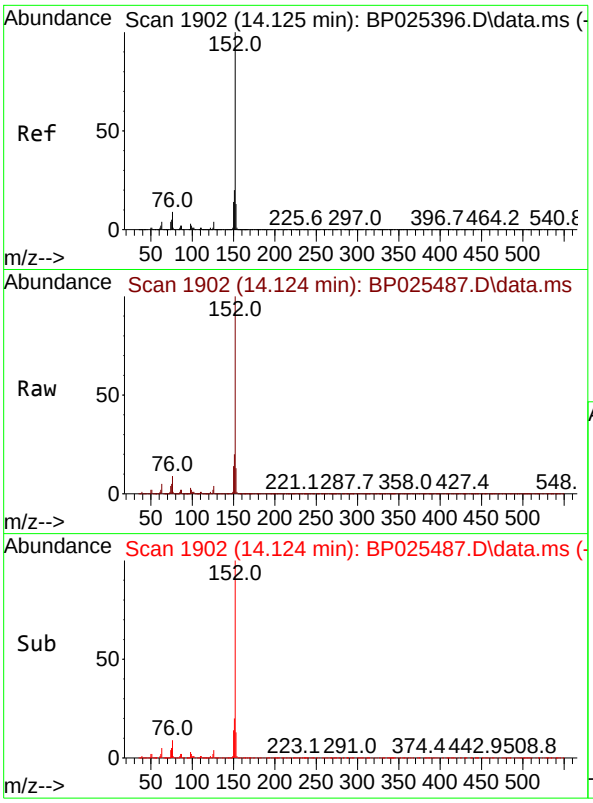


#48
2-Nitroaniline
Concen: 43.643 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 65 Resp: 324159

Ion	Ratio	Lower	Upper
65	100		
92	72.7	57.6	86.4
138	111.0	91.0	136.6

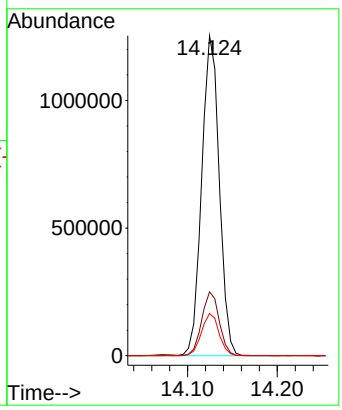




#49
Acenaphthylene
Concen: 40.393 ng
RT: 14.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:152 Resp: 170378

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8



Instrument :
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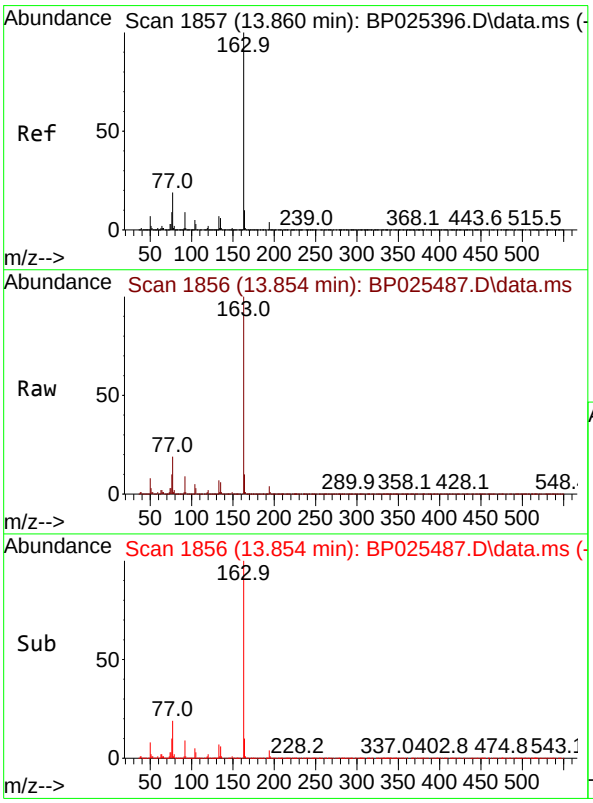
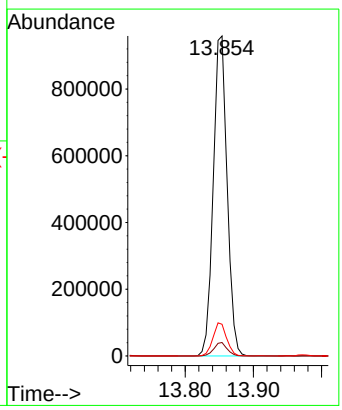
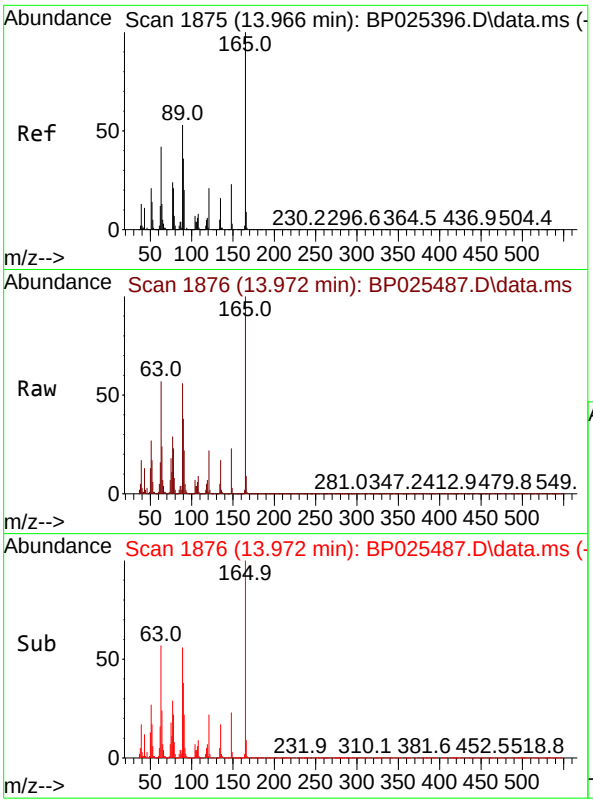


#50
Dimethylphthalate
Concen: 41.055 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:163 Resp: 1355491

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 42.345 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:165 Resp: 29467

Ion	Ratio	Lower	Upper
165	100		
63	57.3	40.9	61.3
89	56.4	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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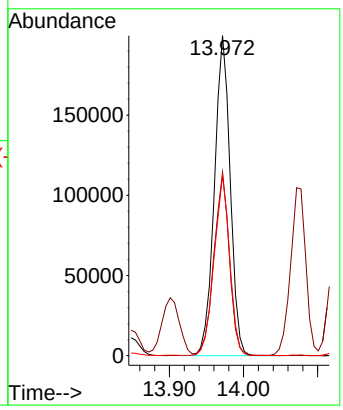
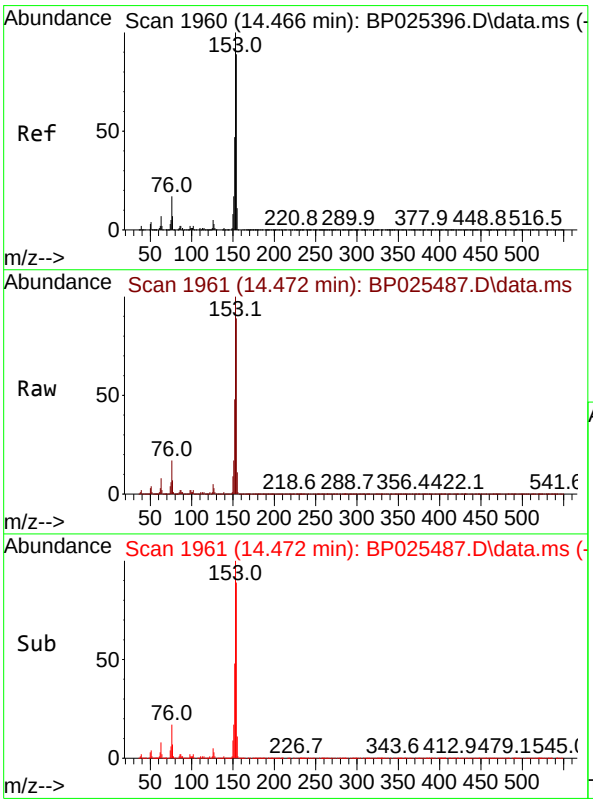
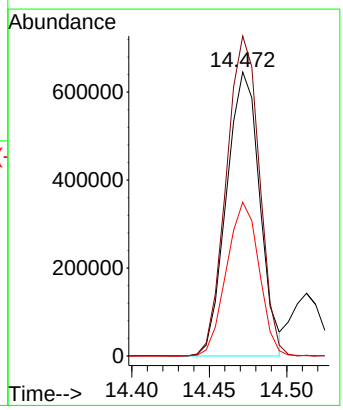


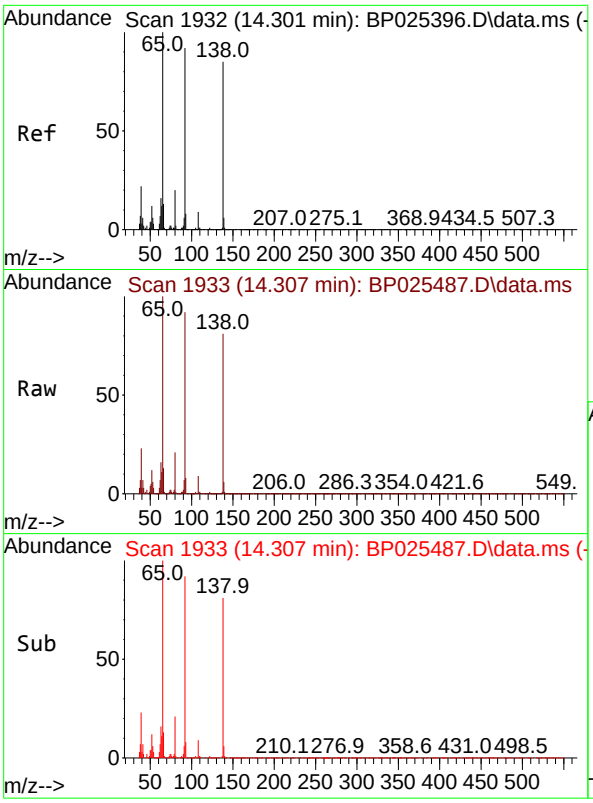


#52
Acenaphthene
Concen: 39.004 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 965696

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	54.1	42.1	63.1





#53
3-Nitroaniline
Concen: 42.258 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:138 Resp: 33085

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	114.1	86.2	129.2

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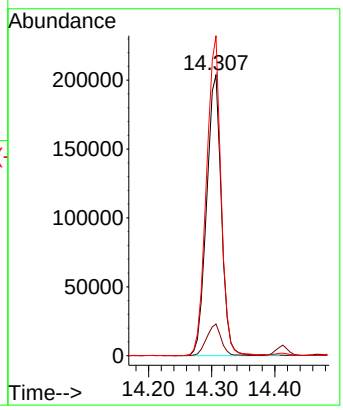
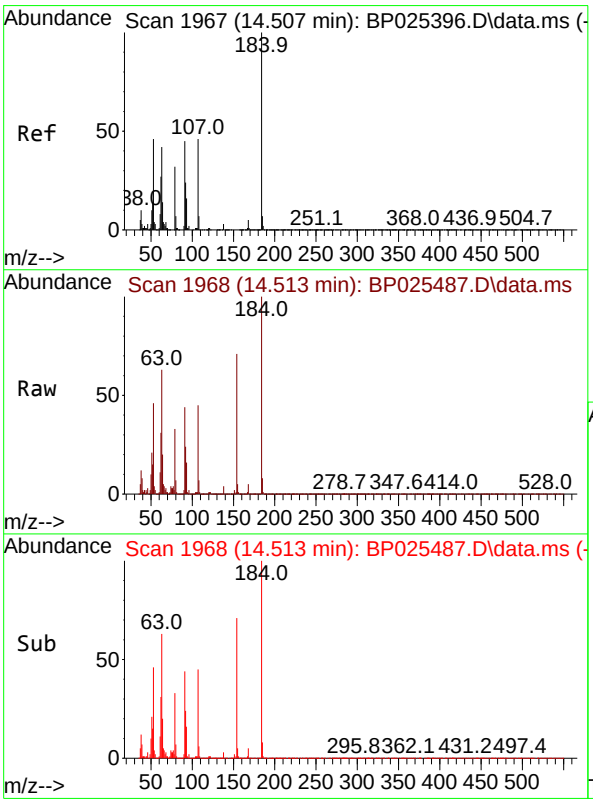
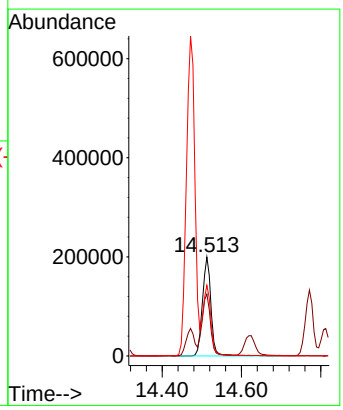


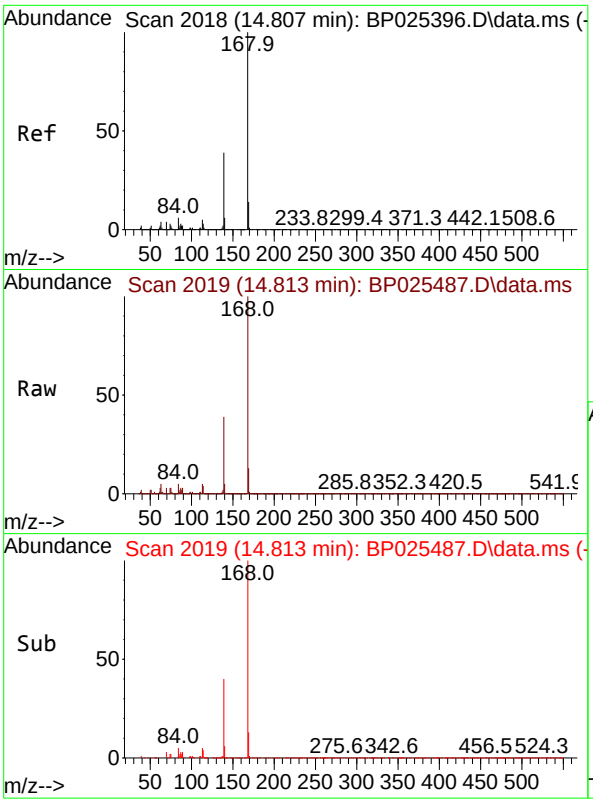


#54
2,4-Dinitrophenol
Concen: 80.460 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:184 Resp: 299007

Ion	Ratio	Lower	Upper
184	100		
63	62.7	49.4	74.2
154	71.4	54.6	82.0

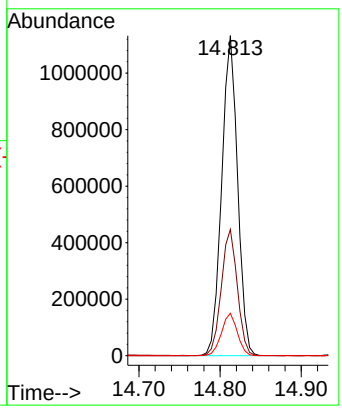




#55
Dibenzofuran
Concen: 39.380 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:168 Resp: 154151

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.5	47.3
169	13.2	10.9	16.3



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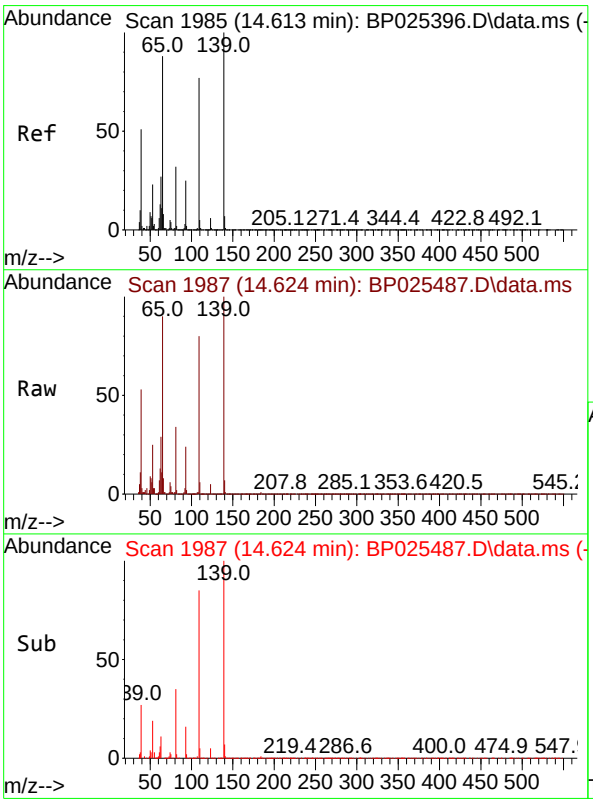
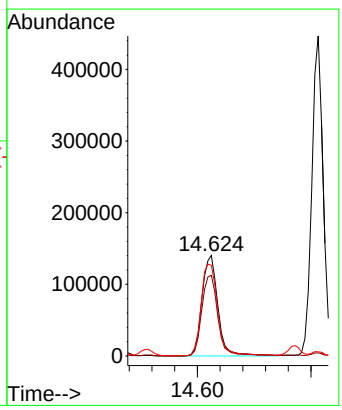
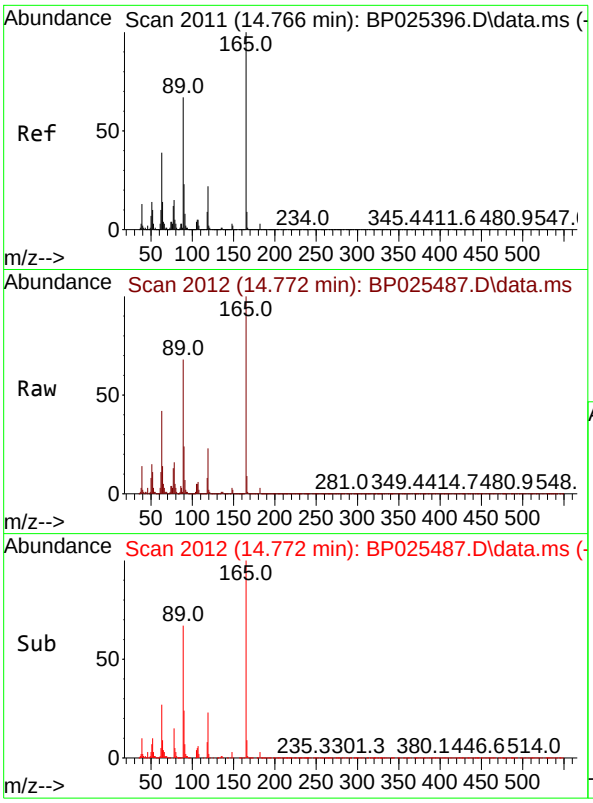


#56
4-Nitrophenol
Concen: 42.159 ng
RT: 14.624 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:139 Resp: 271237

Ion	Ratio	Lower	Upper
139	100		
109	80.3	56.6	96.6
65	90.3	68.2	108.2

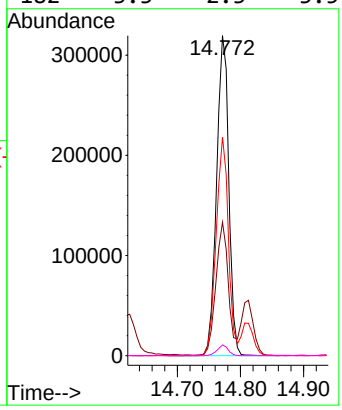




#57
2,4-Dinitrotoluene
Concen: 43.171 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:165 Resp: 42862

Ion	Ratio	Lower	Upper
165	100		
63	41.7	31.4	47.2
89	68.3	53.3	79.9
182	3.3	2.3	3.5



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ClientSampleId :
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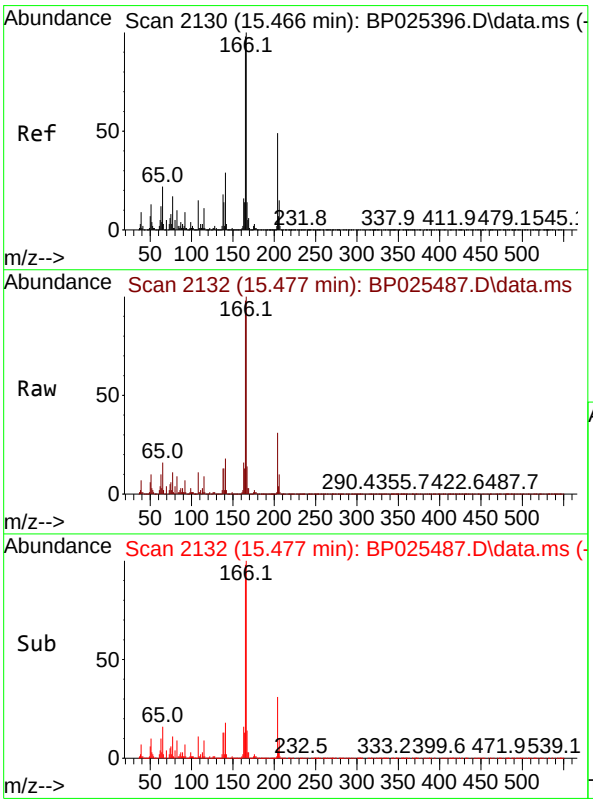
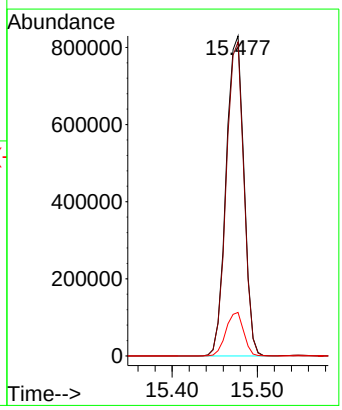
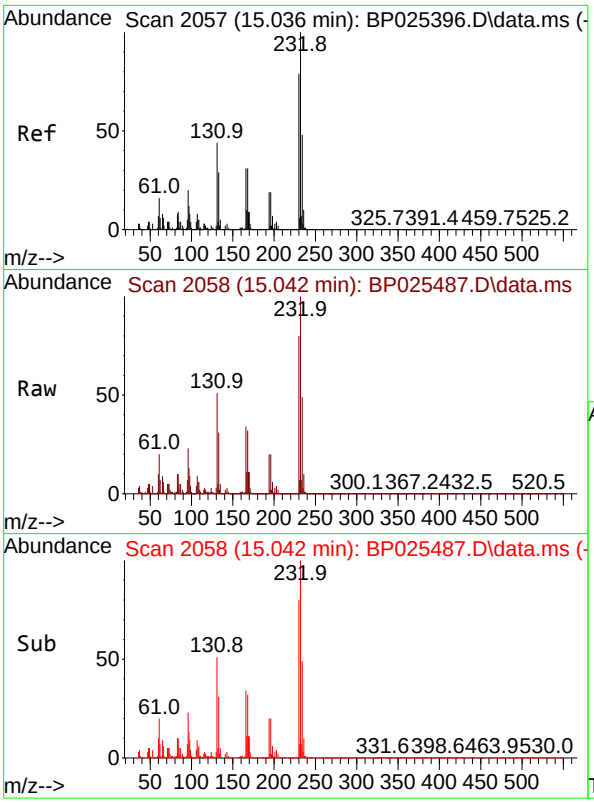


#58
Fluorene
Concen: 38.896 ng
RT: 15.477 min Scan# 2132
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:166 Resp: 1201420

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4

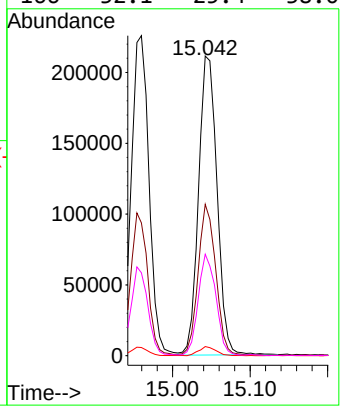




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.154 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:232 Resp: 35010

Ion	Ratio	Lower	Upper
232	100		
131	48.6	37.0	55.6
130	2.8	1.9	2.9
166	32.1	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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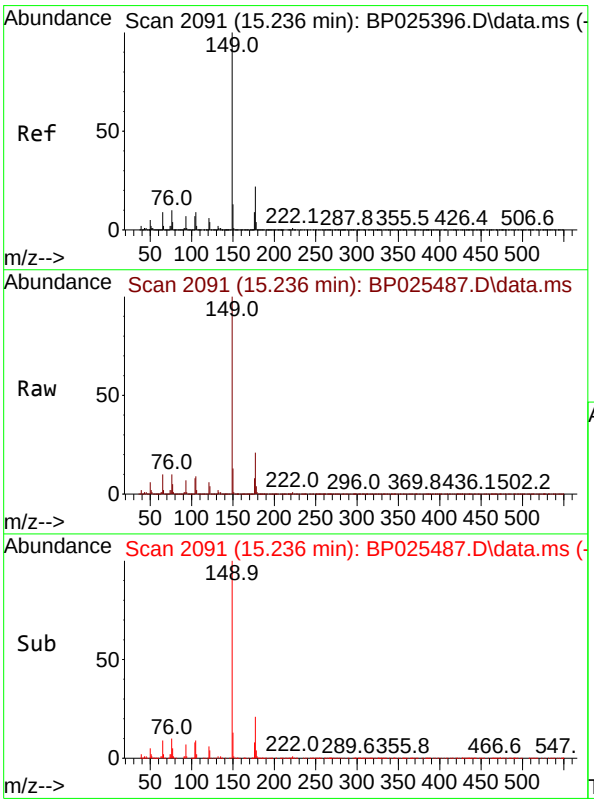
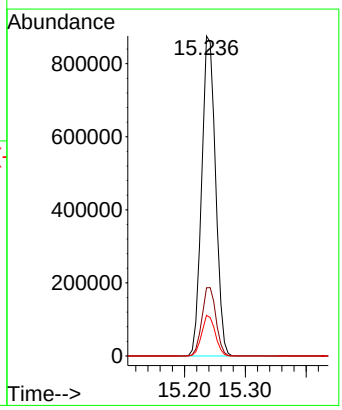
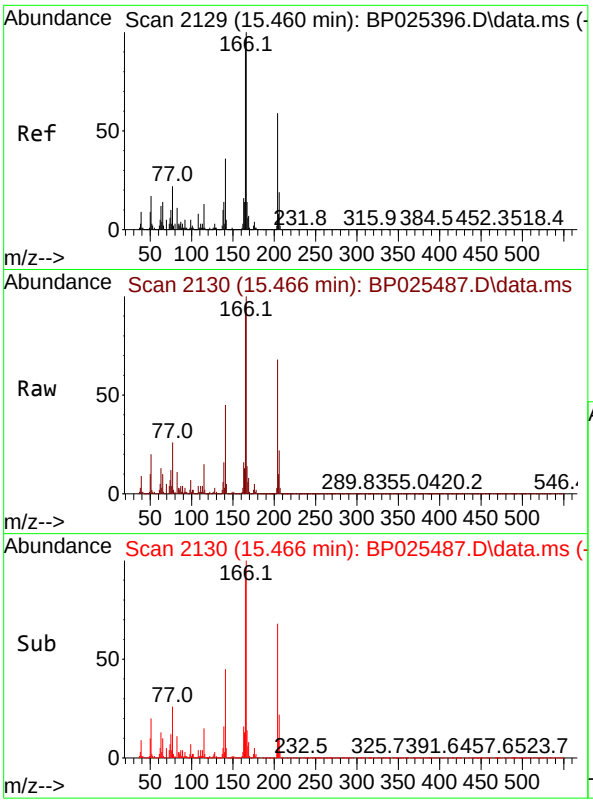


#60
Diethylphthalate
Concen: 41.316 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1386072

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.7	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 38.989 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:204 Resp: 59893

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.8
141	65.5	49.4	74.2

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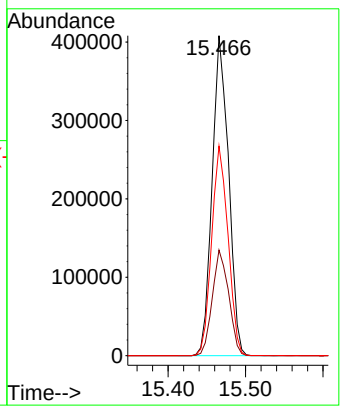
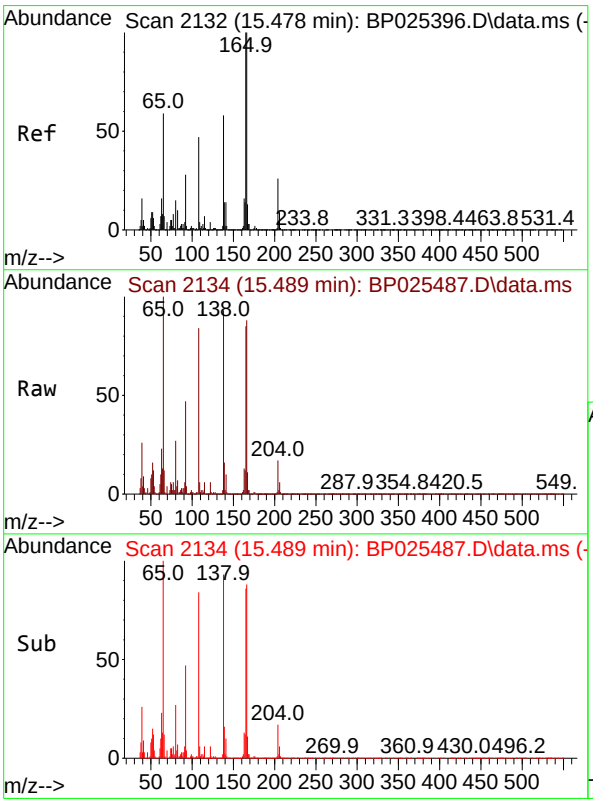
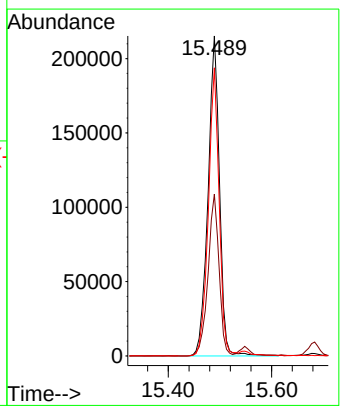


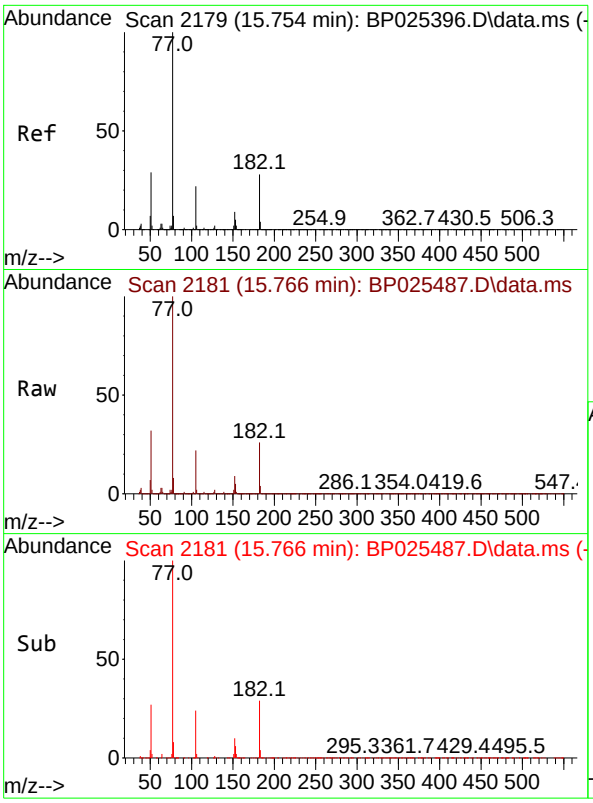


#62
4-Nitroaniline
Concen: 41.329 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:138 Resp: 331726

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.1	69.1
108	90.0	61.5	101.5

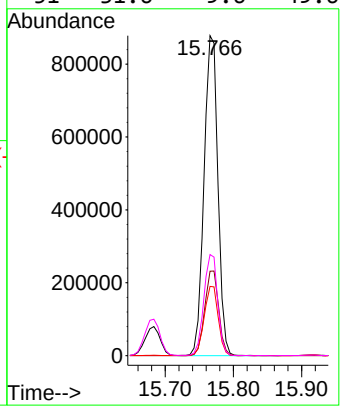




#63
Azobenzene
Concen: 43.196 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 77 Resp: 124084

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.6	2.1	42.1
51	31.6	9.6	49.6



Instrument :
BNA_P
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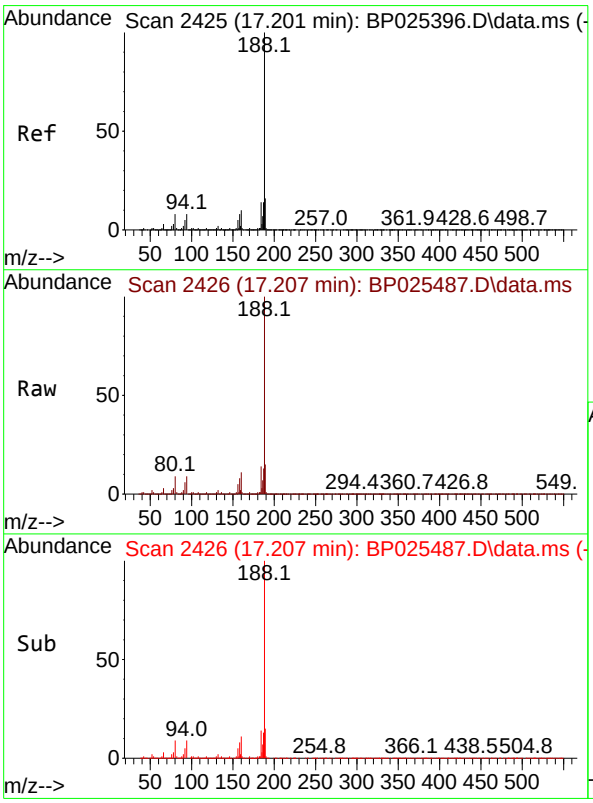
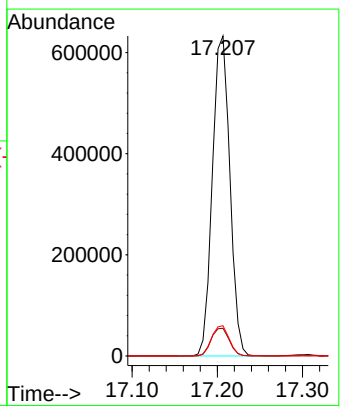
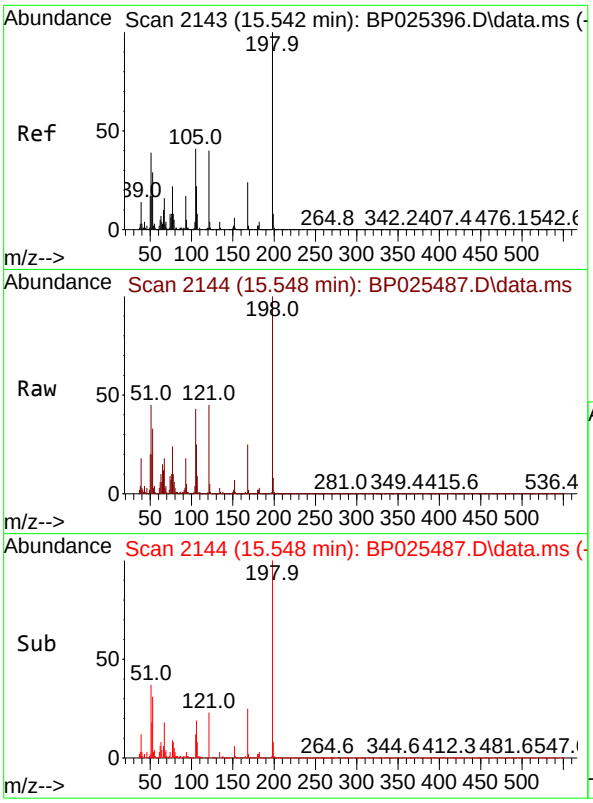


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:188 Resp: 905283

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 57.103 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:198 Resp: 32224

Ion	Ratio	Lower	Upper
198	100		
51	45.1	19.6	59.6
105	42.9	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
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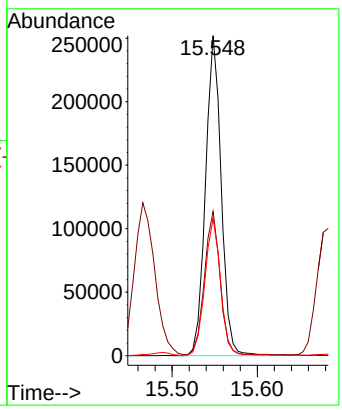
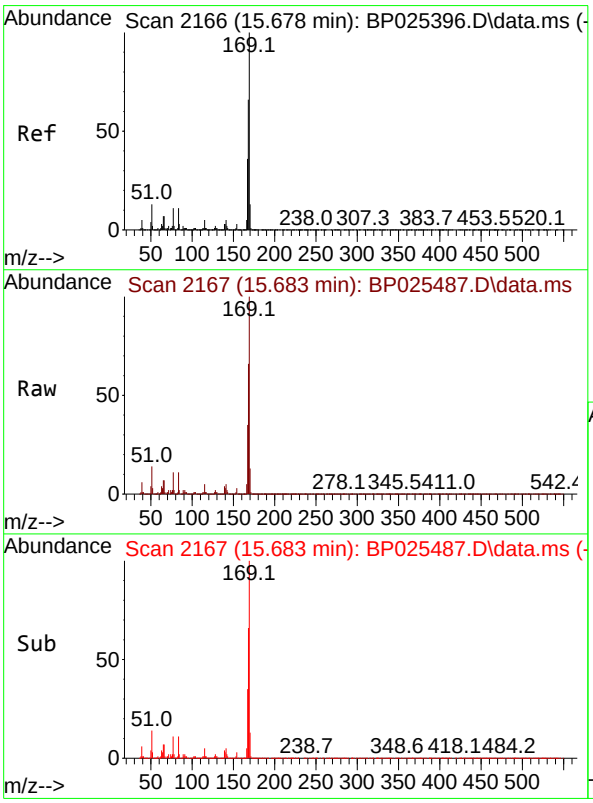
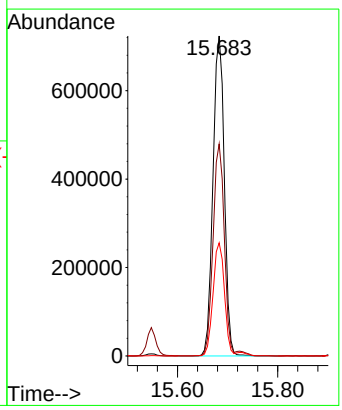


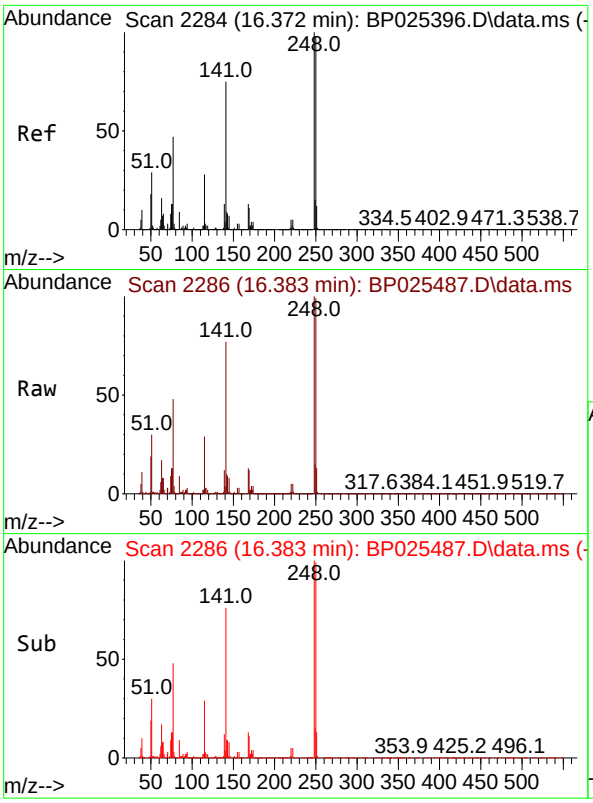


#66
n-Nitrosodiphenylamine
Concen: 41.022 ng
RT: 15.683 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:169 Resp: 1132449

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	35.3	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 40.448 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 40271

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.2
141	76.6	59.6	89.4

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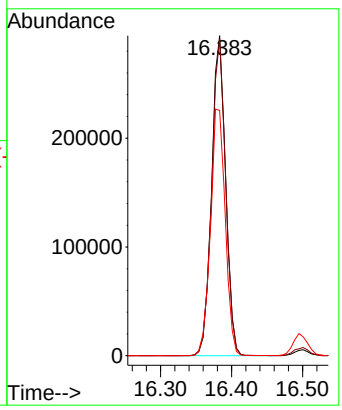
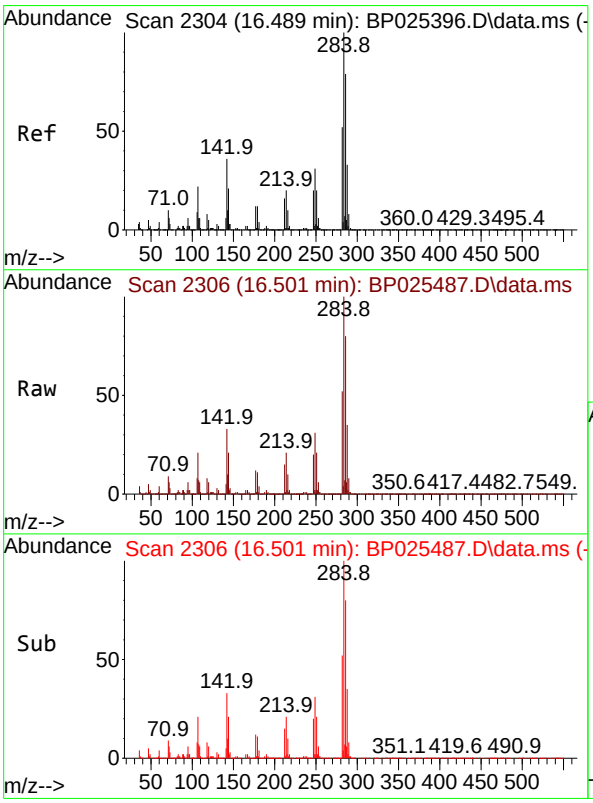
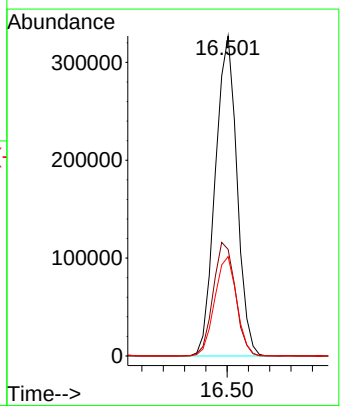


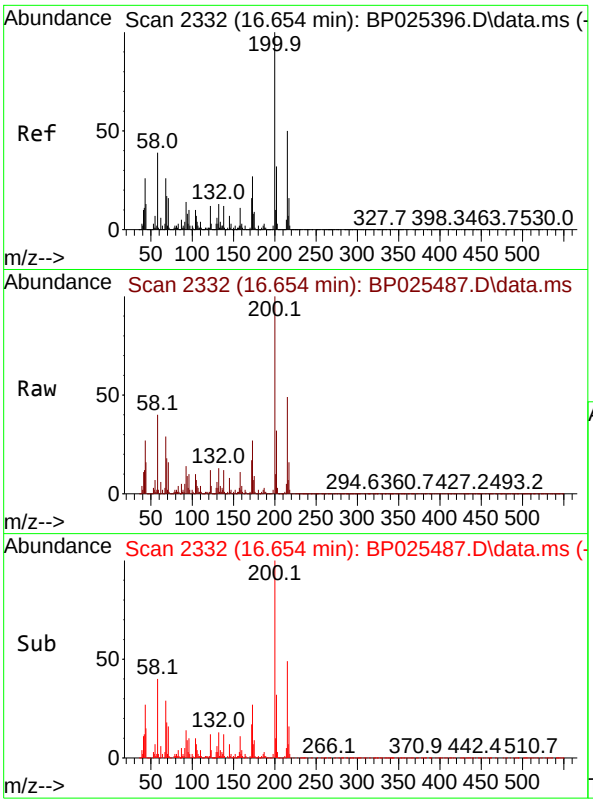


#68
Hexachlorobenzene
Concen: 39.997 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:284 Resp: 461625

Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	31.1	25.0	37.4

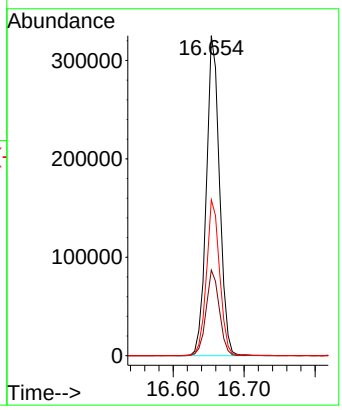




#69
Atrazine
Concen: 40.669 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:200 Resp: 42045

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	48.7	29.7	69.7



Instrument :
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ClientSampleId :
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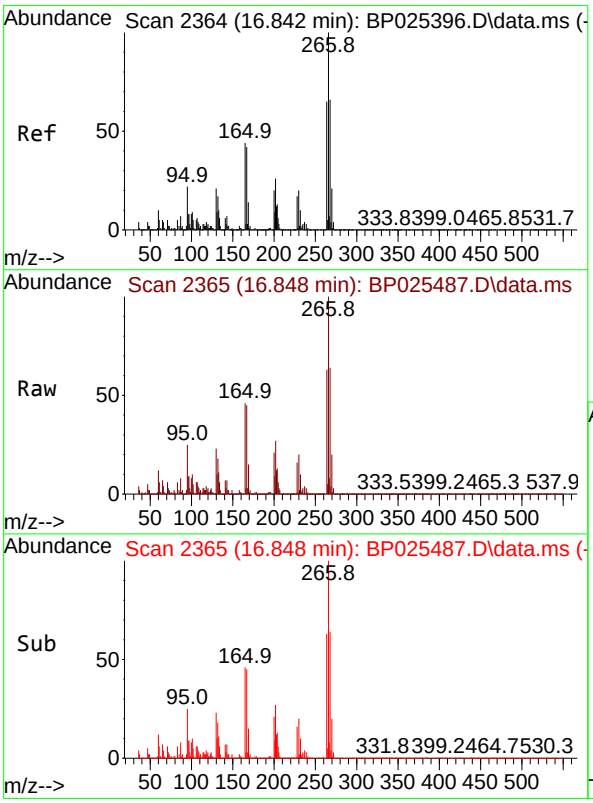
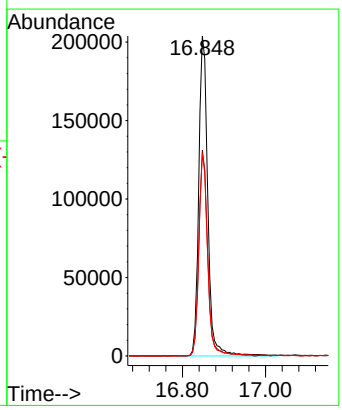
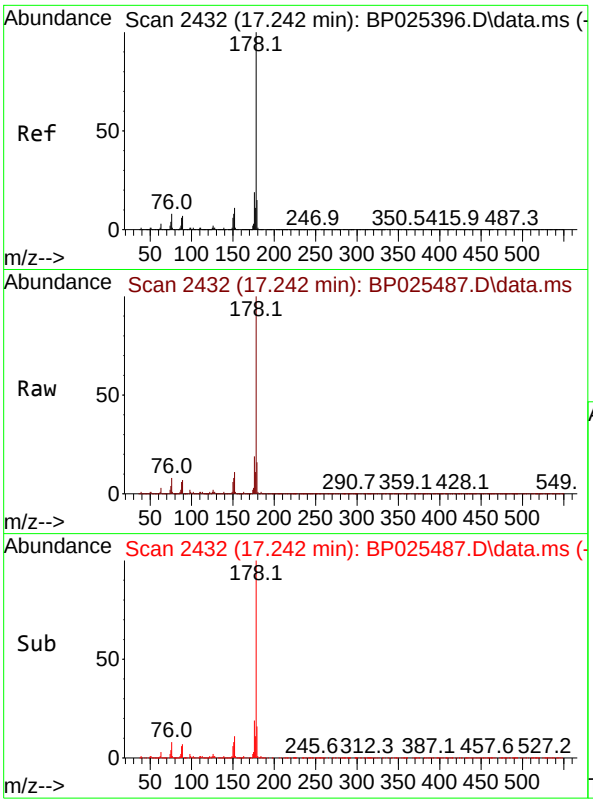


#70
Pentachlorophenol
Concen: 42.259 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:266 Resp: 307884

Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.6	79.0
264	63.3	52.0	78.0

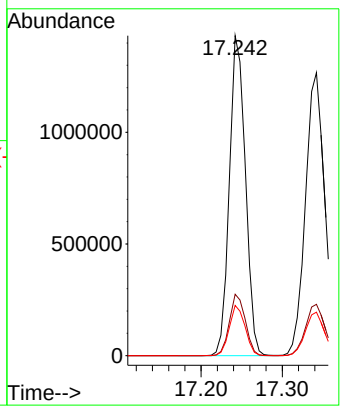




#71
Phenanthrene
Concen: 39.449 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:178 Resp: 196181

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.7	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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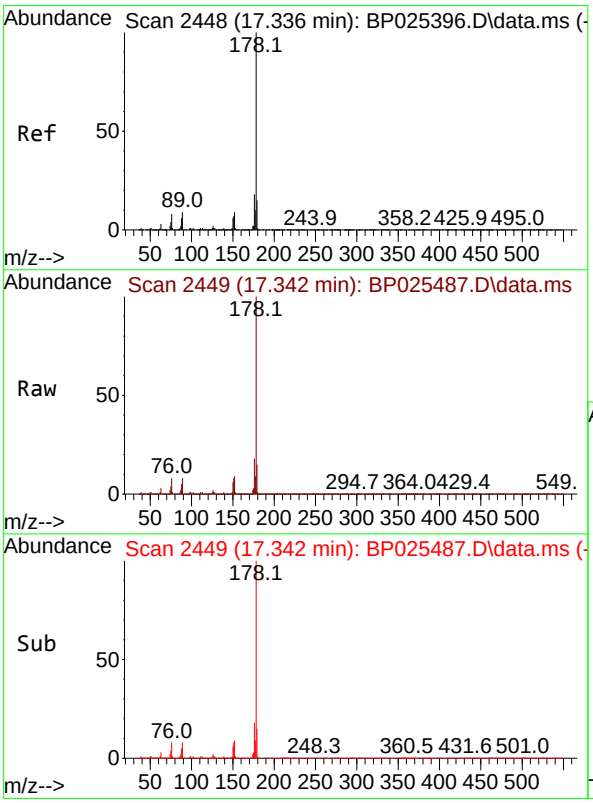
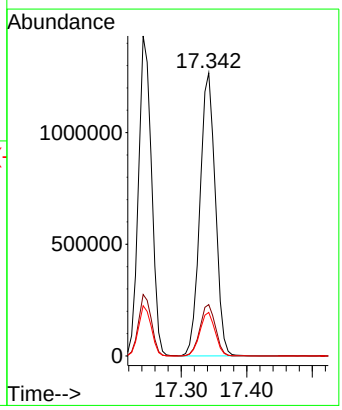
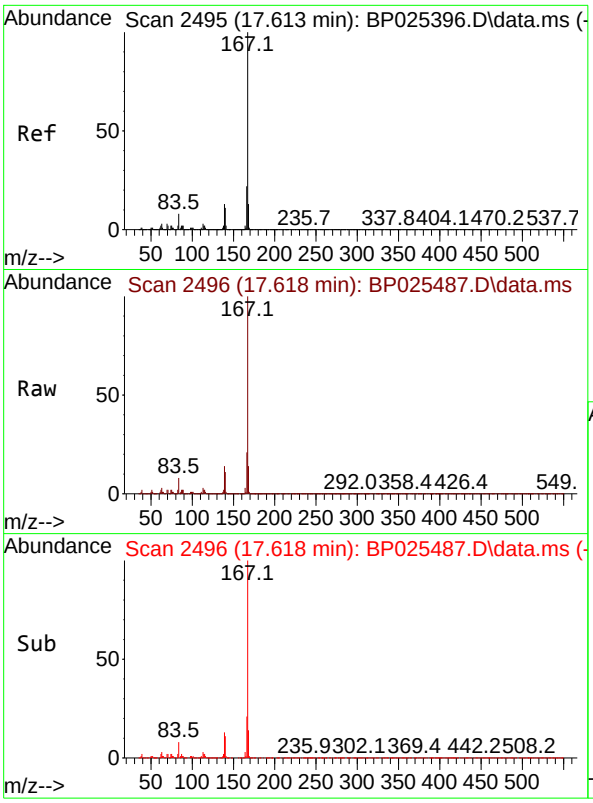


#72
Anthracene
Concen: 40.780 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:178 Resp: 2071008

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.2

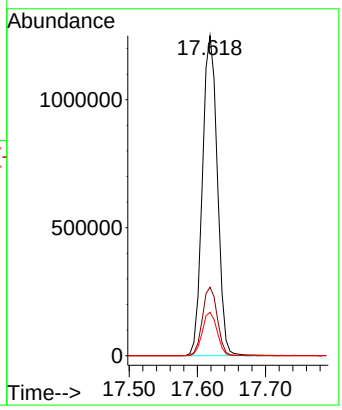




#73
Carbazole
Concen: 39.801 ng
RT: 17.618 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:167 Resp: 190388

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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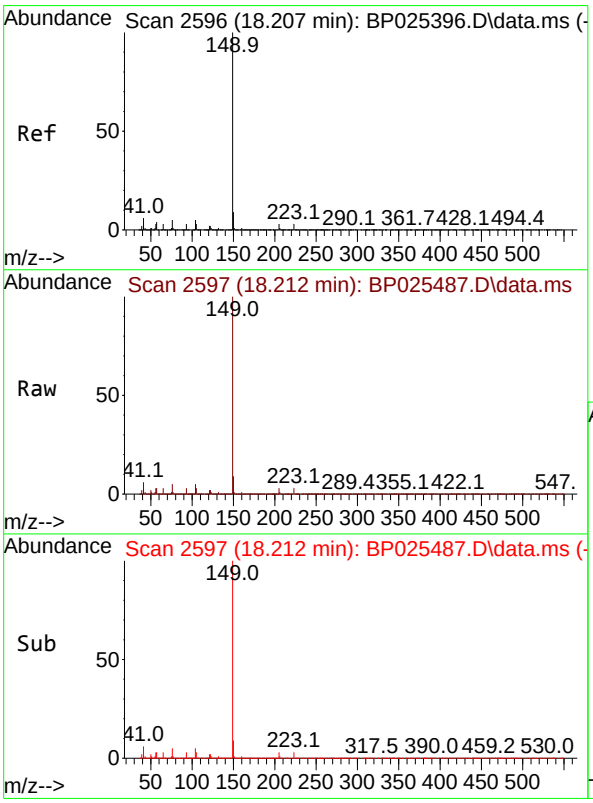
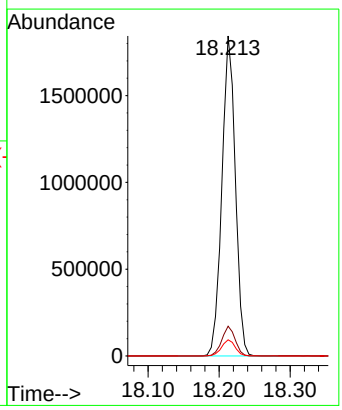
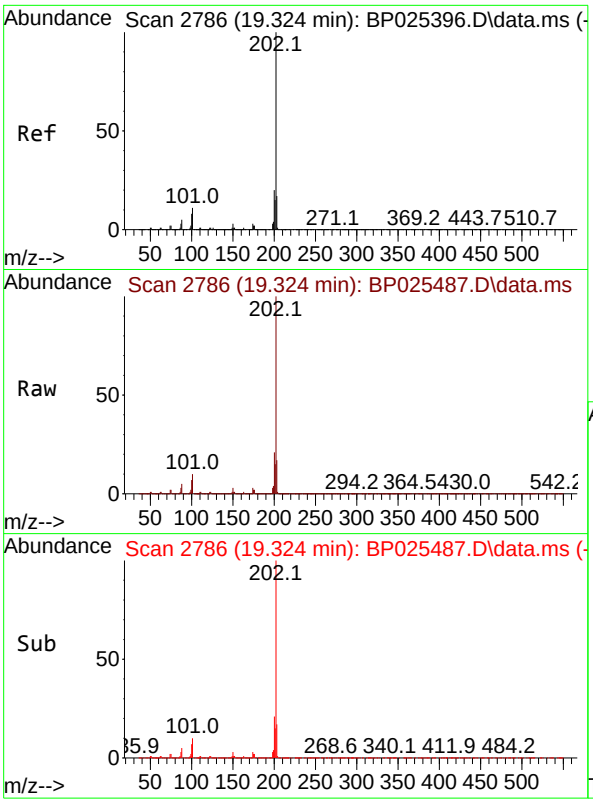


#74
Di-n-butylphthalate
Concen: 41.022 ng
RT: 18.212 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 2414257

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.0	4.2	6.2

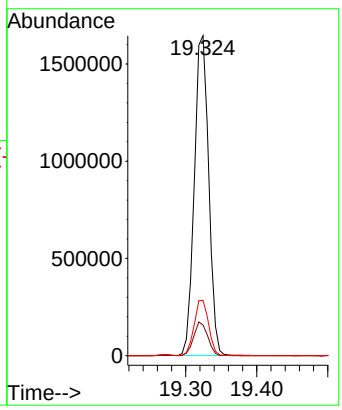




#75
Fluoranthene
Concen: 39.147 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 232216

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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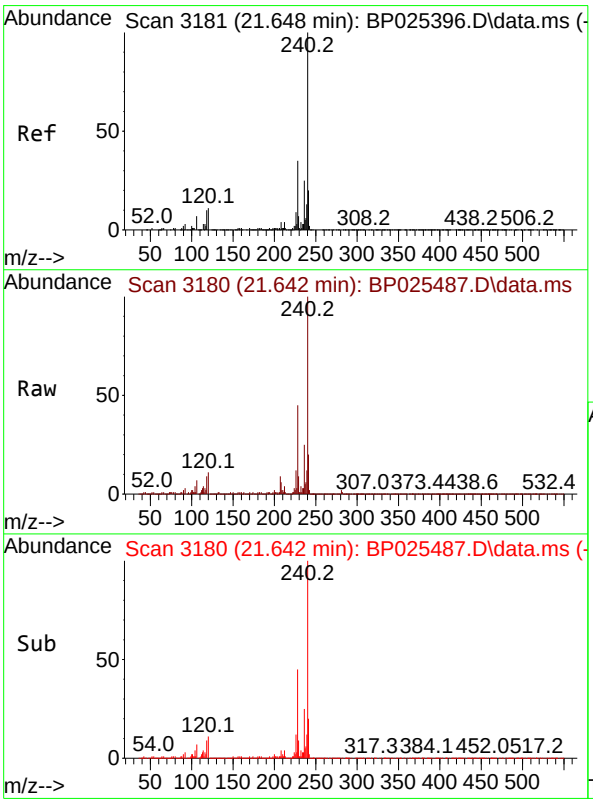
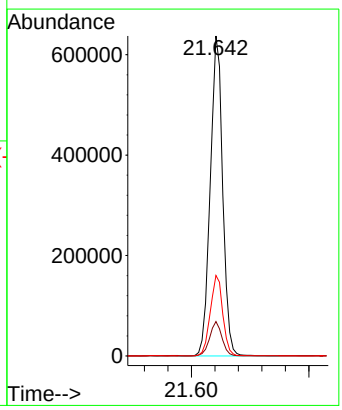
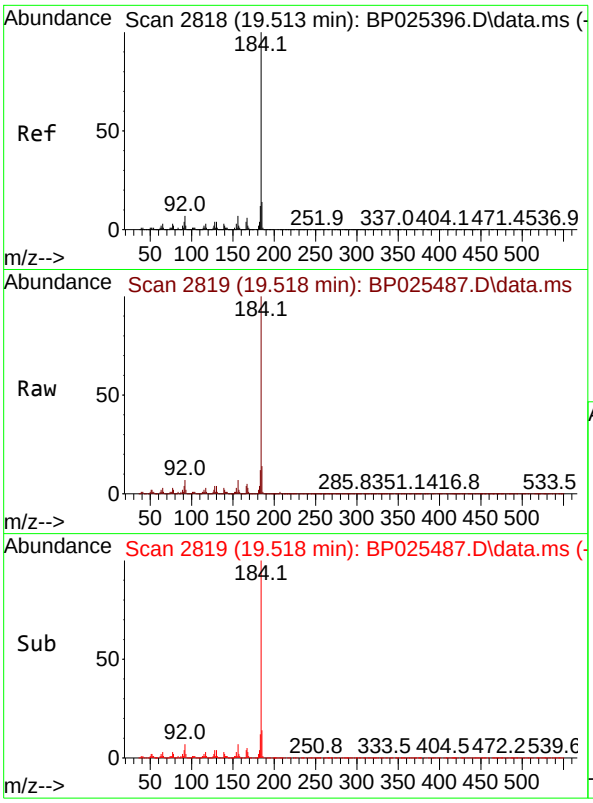


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:240 Resp: 932001

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.1	19.8	29.8

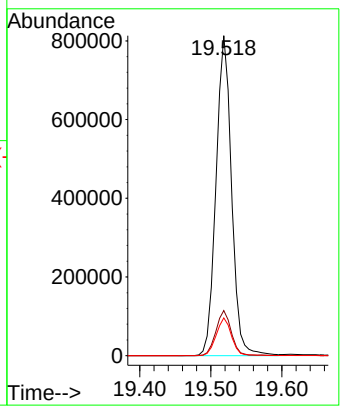




#77
Benzidine
Concen: 38.735 ng
RT: 19.518 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:184 Resp: 123206

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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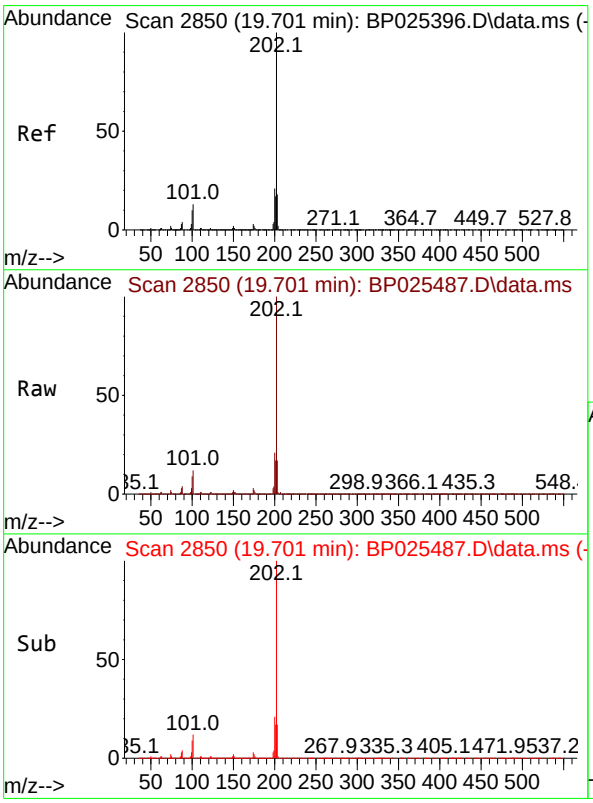
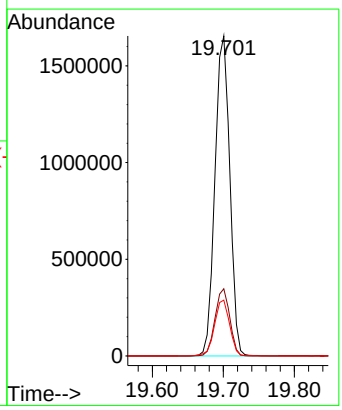
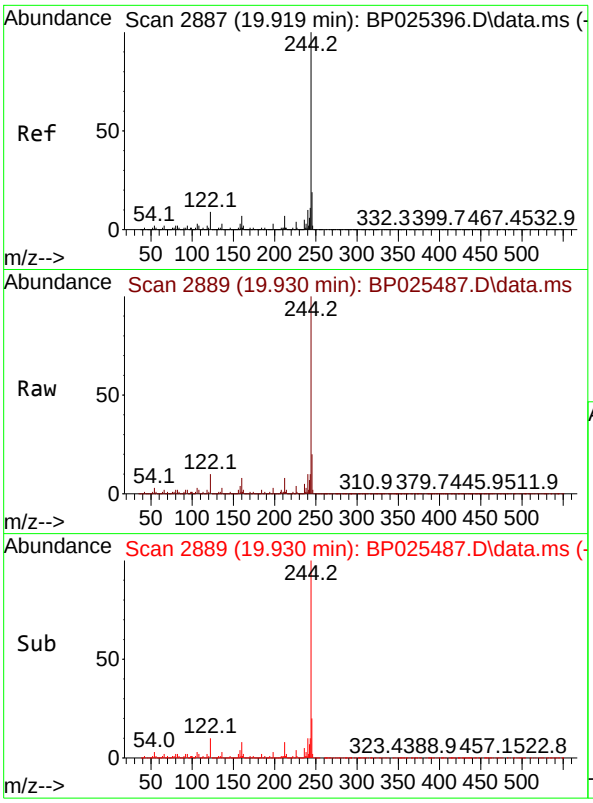


#78
Pyrene
Concen: 39.527 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 2394461

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.5	14.2	21.2

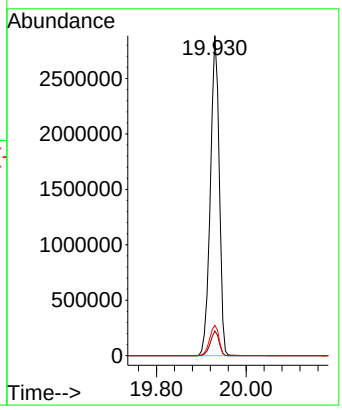




#79
Terphenyl-d14
Concen: 77.640 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:244 Resp: 395507

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	9.5	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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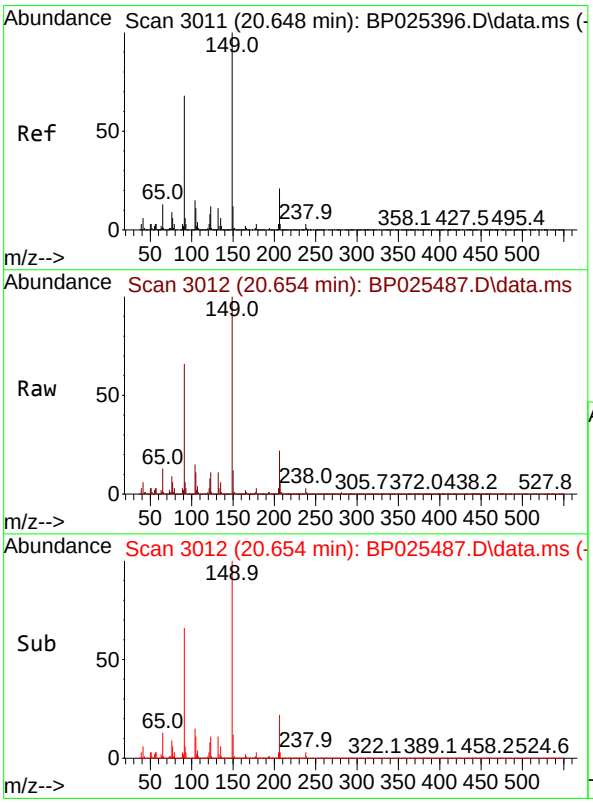
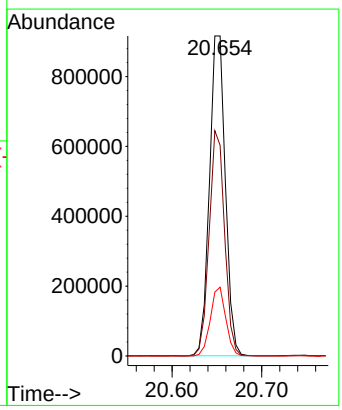
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

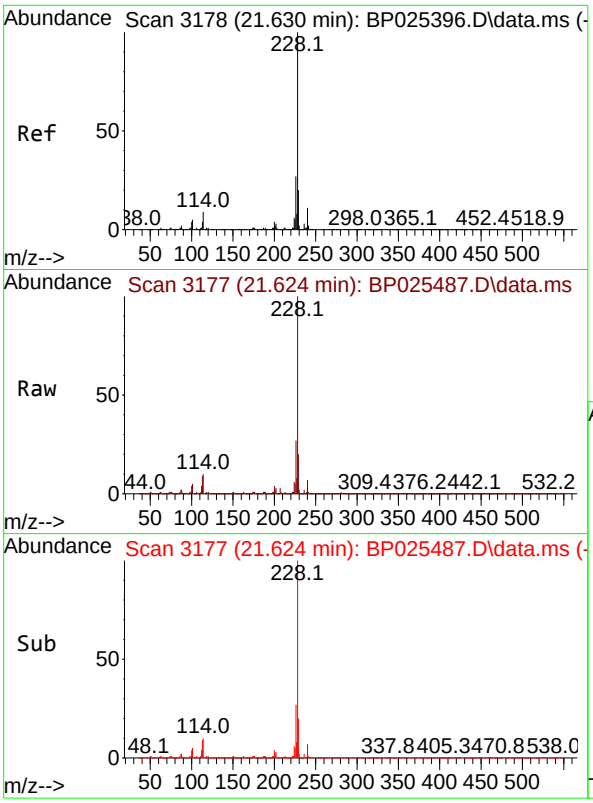


#80
Butylbenzylphthalate
Concen: 41.070 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1127547

Ion	Ratio	Lower	Upper
149	100		
91	65.8	54.2	81.2
206	21.5	16.6	24.8

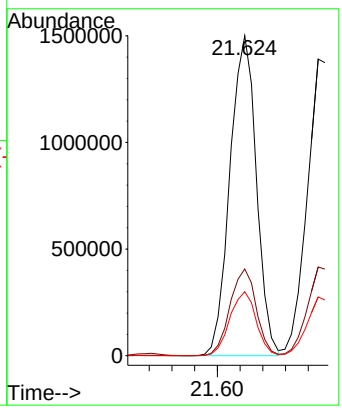




#81
Benzo(a)anthracene
Concen: 39.477 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:228 Resp: 242650

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.0	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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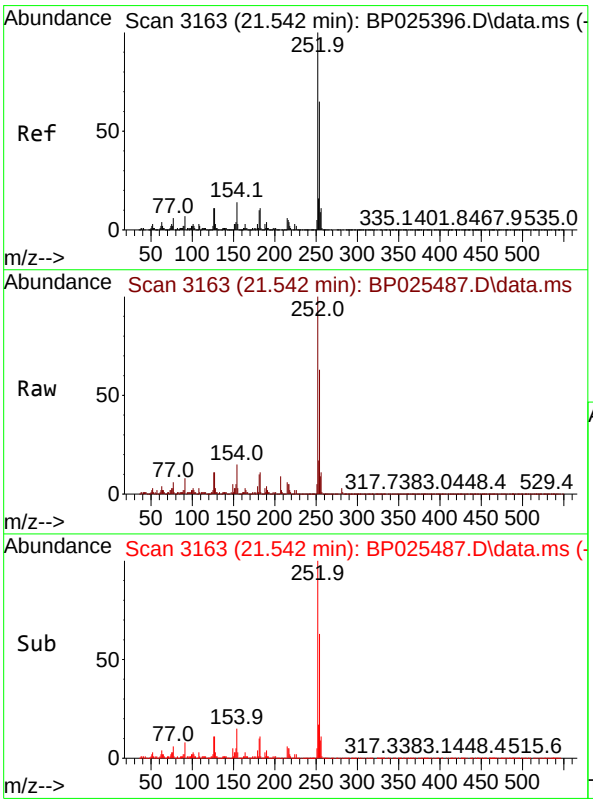
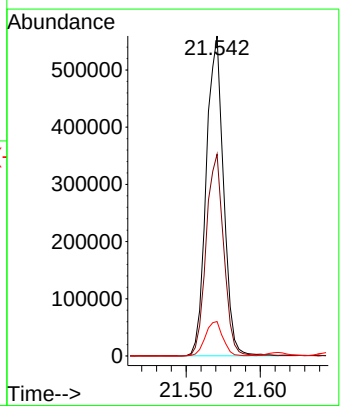
Supervised By :Jagrut Upadhyay 08/20/2025

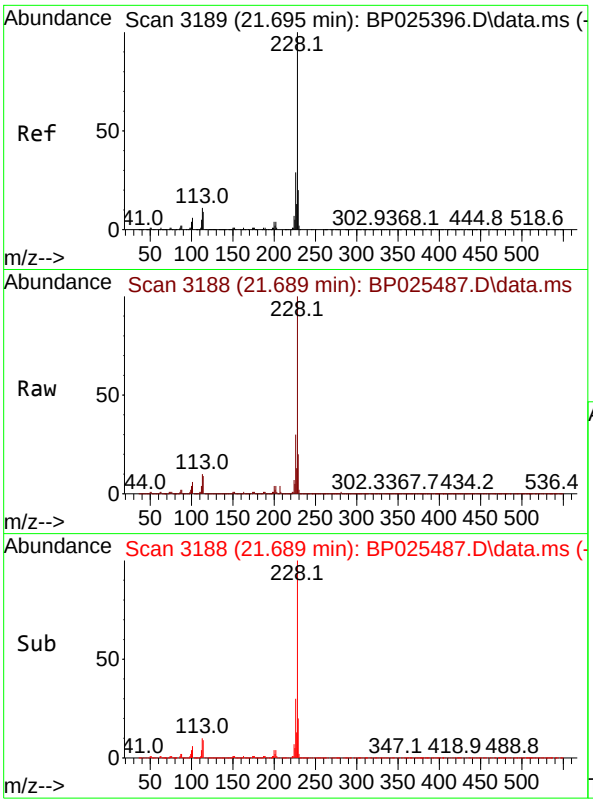


#82
3,3'-Dichlorobenzidine
Concen: 39.005 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 903654

Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.8	77.6
126	10.7	9.1	13.7

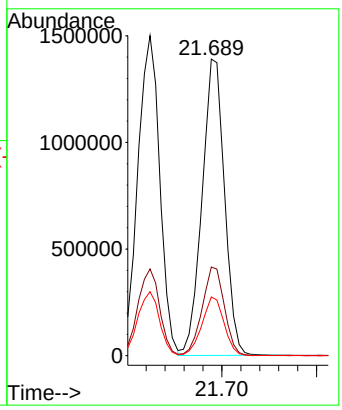




#83
Chrysene
Concen: 39.855 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:228 Resp: 229414

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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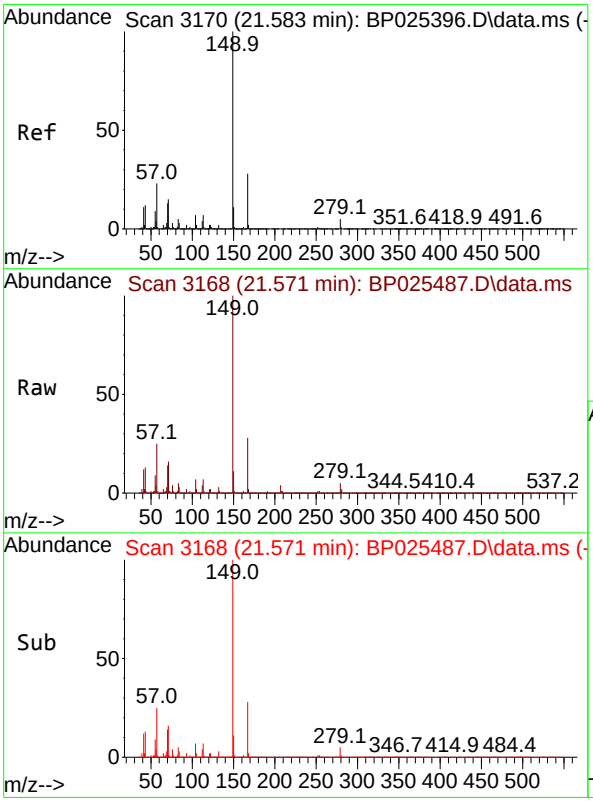
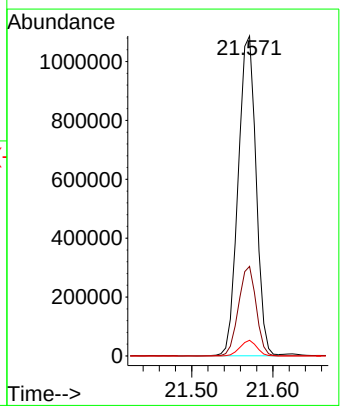
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

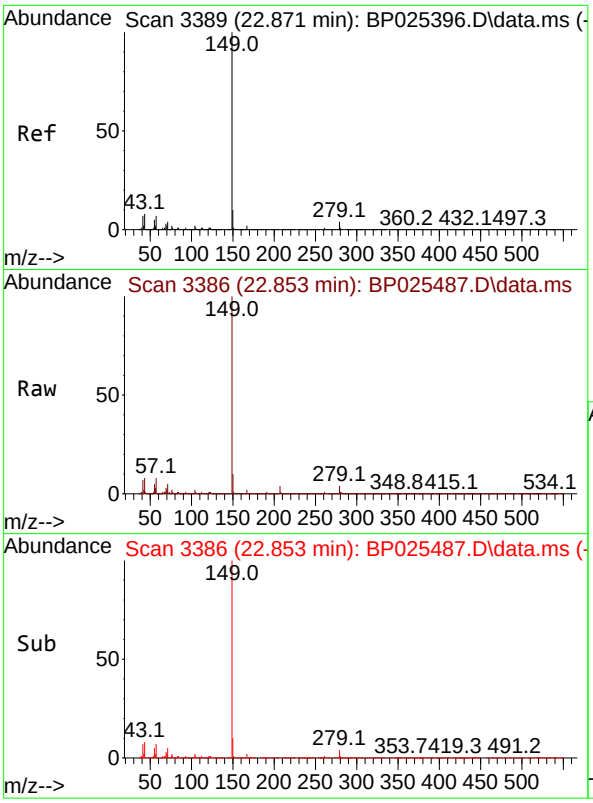


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.071 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1659835

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.1	33.1
279	4.9	3.8	5.6

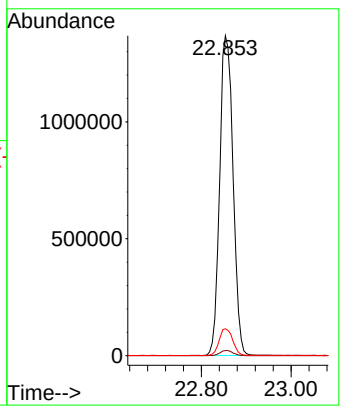




#85
Di-n-octyl phthalate
Concen: 40.906 ng
RT: 22.853 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 284353

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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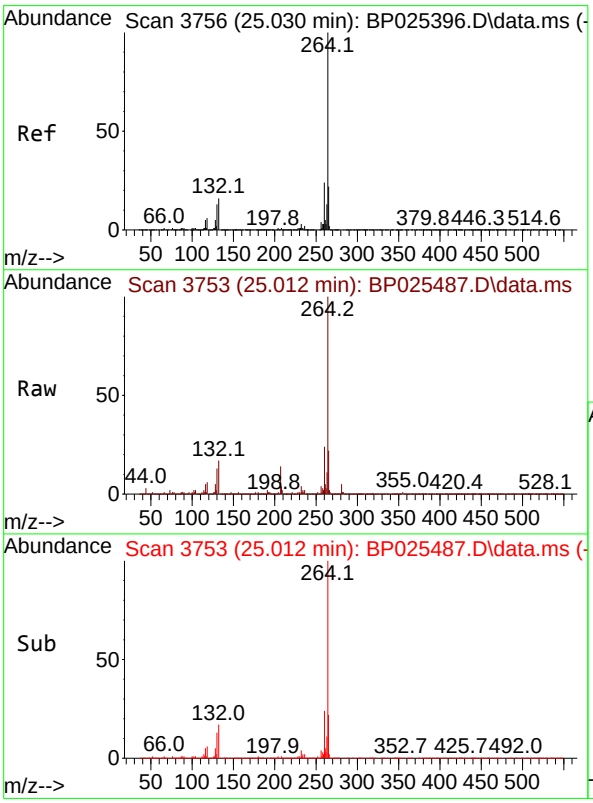
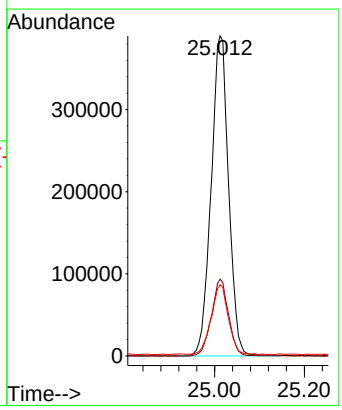
Supervised By :Jagrut Upadhyay 08/20/2025

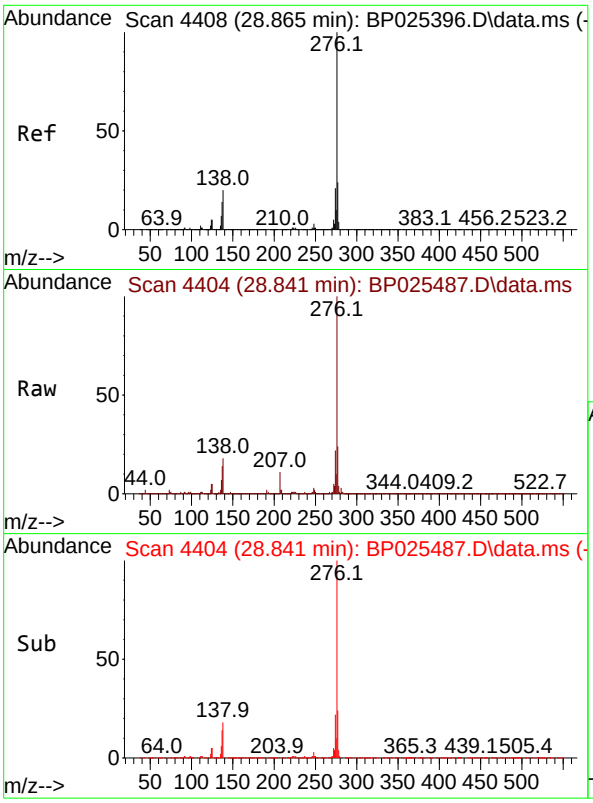


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:264 Resp: 1054169

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.2	17.4	26.0

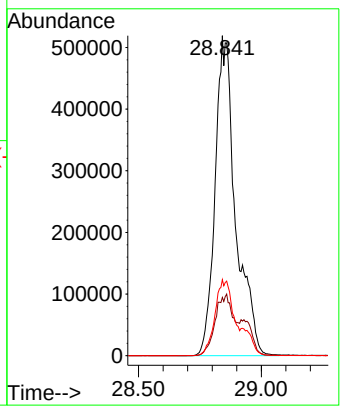




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.095 ng m
RT: 28.841 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:276 Resp: 302236

Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.9	19.3
277	10.8	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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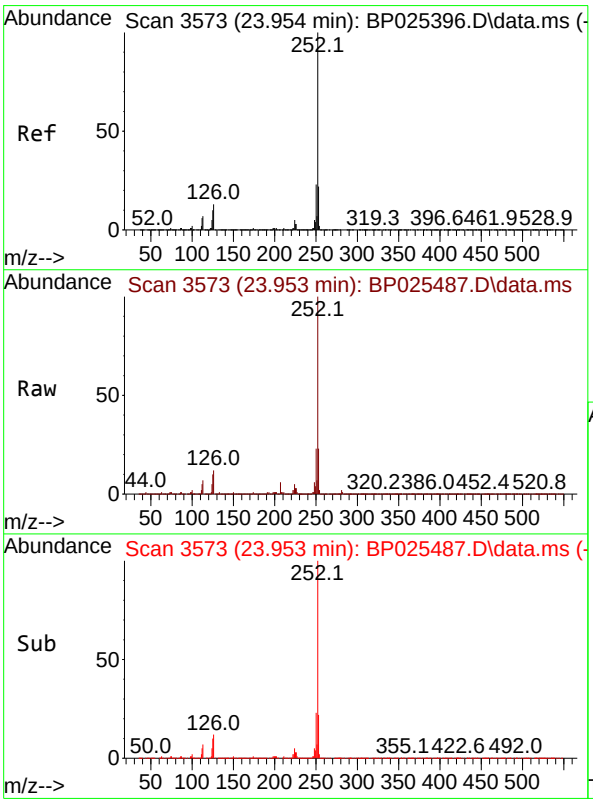
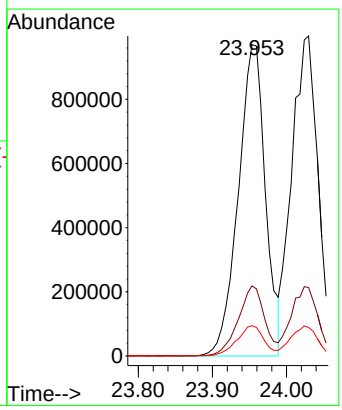
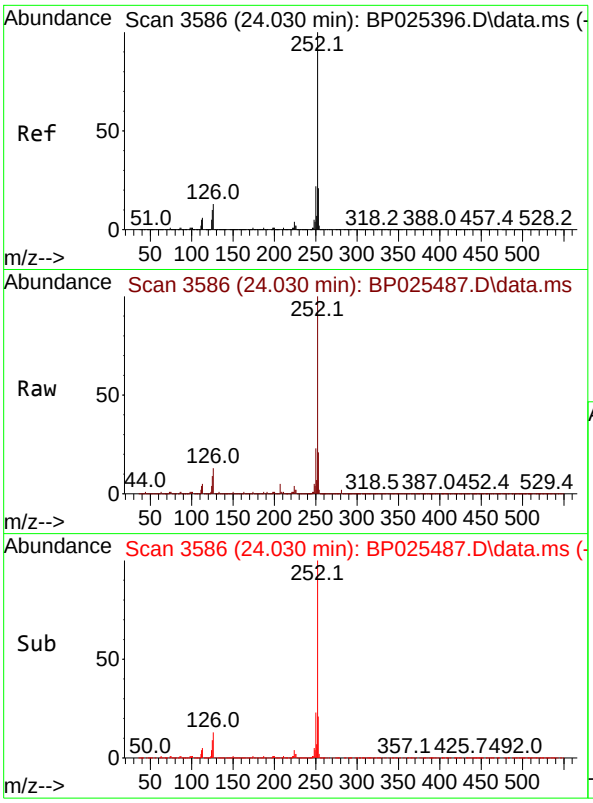


#88
Benzo(b)fluoranthene
Concen: 39.761 ng
RT: 23.953 min Scan# 3573
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 2471608

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.7	7.9	11.9

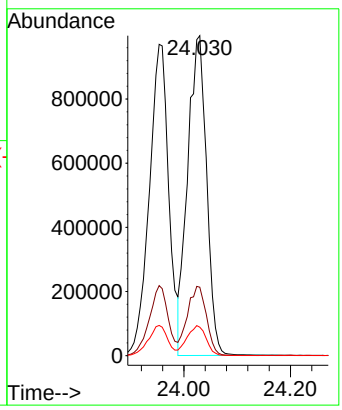




#89
Benzo(k)fluoranthene
Concen: 39.407 ng
RT: 24.030 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 245123

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	8.9	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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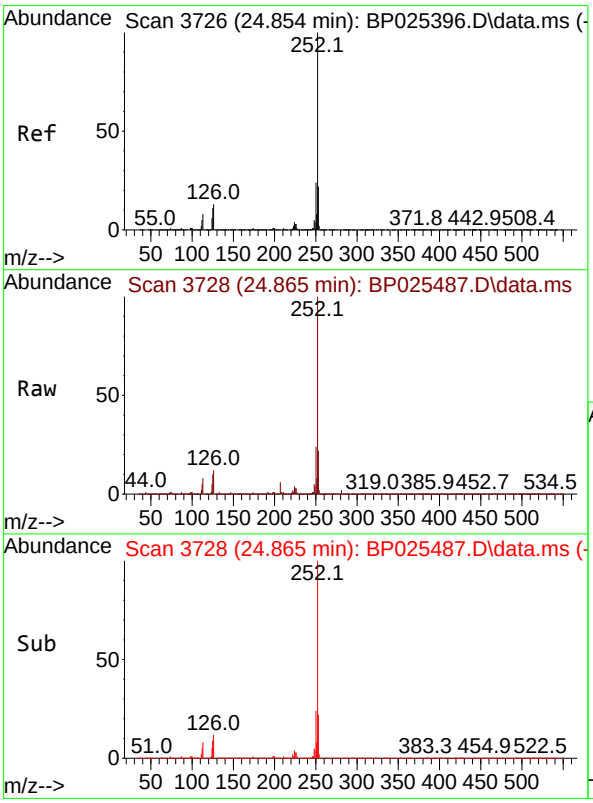
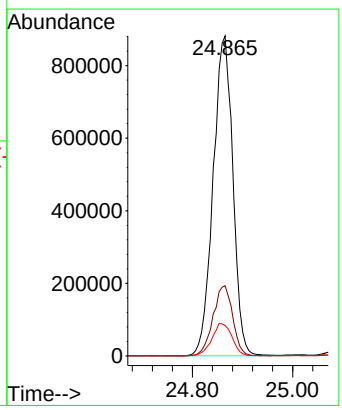
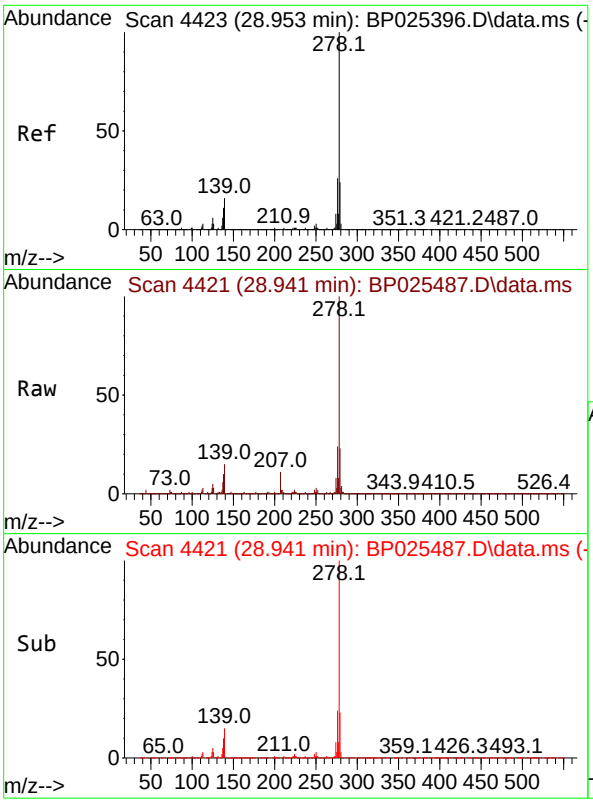


#90
Benzo(a)pyrene
Concen: 39.773 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 2406620

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	8.7	13.1

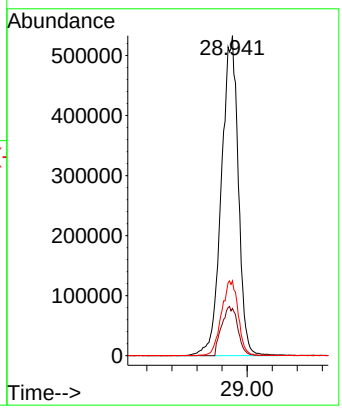




#91
Dibenzo(a,h)anthracene
Concen: 39.366 ng
RT: 28.941 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:278 Resp: 248703

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.0	19.4
279	23.4	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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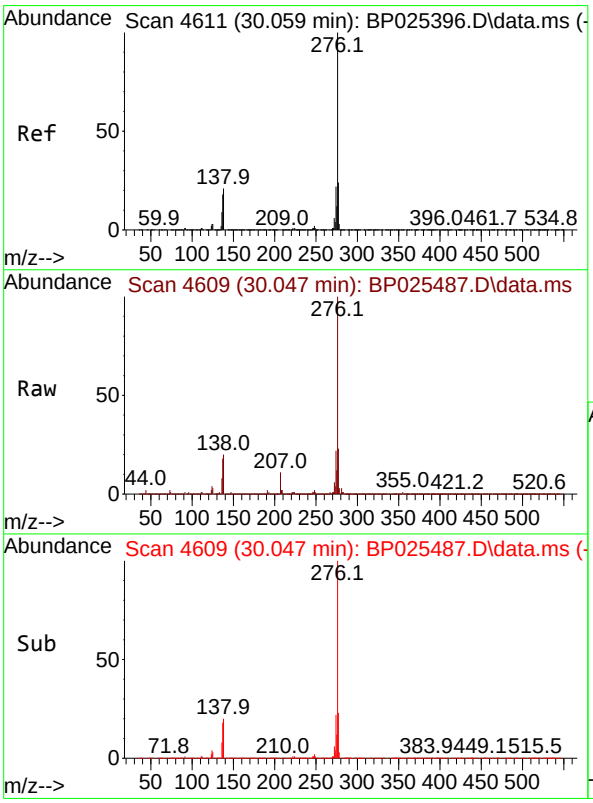
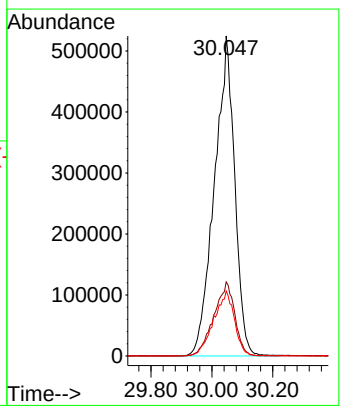
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 39.026 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:276 Resp: 2423566

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.0
138	20.3	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.472	0.461	2.3	105	0.00
3		Pyridine	1.291	1.256	2.7	104	0.00
4		n-Nitrosodimethylamine	0.532	0.578	-8.6	114	0.00
5	S	2-Fluorophenol	1.204	1.204	0.0	105	0.00
6		Aniline	2.080	2.116	-1.7	106	0.00
7	S	Phenol-d6	1.544	1.570	-1.7	105	0.00
8		2-Chlorophenol	1.359	1.389	-2.2	107	0.00
9		Benzaldehyde	1.082	0.876	19.0	65	0.00
10	C	Phenol	1.620	1.661	-2.5	106	0.00
11		bis(2-Chloroethyl)ether	1.263	1.268	-0.4	105	0.00
12		1,3-Dichlorobenzene	1.499	1.501	-0.1	105	0.00
13	C	1,4-Dichlorobenzene	1.532	1.525	0.5	105	0.00
14		1,2-Dichlorobenzene	1.483	1.477	0.4	104	0.00
15		Benzyl Alcohol	1.227	1.247	-1.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.784	-5.4	111	0.00
17		2-Methylphenol	1.125	1.152	-2.4	105	0.00
18		Hexachloroethane	0.563	0.566	-0.5	105	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.046	-2.2	106	0.00
20		3+4-Methylphenols	1.560	1.571	-0.7	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.502	0.503	-0.2	106	0.00
23	S	Nitrobenzene-d5	0.395	0.401	-1.5	107	0.00
24		Nitrobenzene	0.353	0.362	-2.5	107	0.00
25		Isophorone	0.700	0.705	-0.7	107	0.00
26	C	2-Nitrophenol	0.181	0.185	-2.2	105	0.00
27		2,4-Dimethylphenol	0.312	0.315	-1.0	105	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.427	-0.9	107	0.00
29	C	2,4-Dichlorophenol	0.310	0.313	-1.0	105	0.00
30		1,2,4-Trichlorobenzene	0.340	0.331	2.6	104	0.00
31		Naphthalene	1.040	1.035	0.5	106	0.00
32		Benzoic acid	0.230	0.300	-30.4#	135	0.02
33		4-Chloroaniline	0.459	0.467	-1.7	106	0.00
34	C	Hexachlorobutadiene	0.211	0.207	1.9	103	0.00
35		Caprolactam	0.114	0.117	-2.6	109	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.367	-3.4	108	0.00
37		2-Methylnaphthalene	0.676	0.673	0.4	106	0.00
38		1-Methylnaphthalene	0.719	0.710	1.3	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.572	1.0	104	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.402	-15.2	118	0.00
42	S	2,4,6-Tribromophenol	0.269	0.278	-3.3	108	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.400	-2.6	107	0.00
44		2,4,5-Trichlorophenol	0.427	0.443	-3.7	107	0.00
45	S	2-Fluorobiphenyl	1.463	1.408	3.8	103	0.00
46		1,1'-Biphenyl	1.453	1.462	-0.6	106	0.00
47		2-Chloronaphthalene	1.131	1.130	0.1	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.359	-9.1	111	0.00
49		Acenaphthylene	1.871	1.889	-1.0	107	0.00
50		Dimethylphthalate	1.465	1.503	-2.6	110	0.00
51		2,6-Dinitrotoluene	0.309	0.327	-5.8	108	0.00
52	C	Acenaphthene	1.098	1.071	2.5	105	0.00
53		3-Nitroaniline	0.347	0.367	-5.8	110	0.00
54	P	2,4-Dinitrophenol	0.165	0.332	-101.2#	207#	0.00
55		Dibenzofuran	1.736	1.710	1.5	104	0.00
56	P	4-Nitrophenol	0.285	0.301	-5.6	110	0.01
57		2,4-Dinitrotoluene	0.440	0.475	-8.0	111	0.00
58		Fluorene	1.370	1.332	2.8	104	0.01
59		2,3,4,6-Tetrachlorophenol	0.377	0.388	-2.9	108	0.00
60		Diethylphthalate	1.488	1.537	-3.3	110	0.00
61		4-Chlorophenyl-phenylether	0.681	0.664	2.5	104	0.00
62		4-Nitroaniline	0.356	0.368	-3.4	107	0.01
63		Azobenzene	1.274	1.376	-8.0	114	0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.178	-42.4#	148	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.625	-2.5	108	0.00
67		4-Bromophenyl-phenylether	0.220	0.222	-0.9	107	0.01
68		Hexachlorobenzene	0.255	0.255	0.0	108	0.01
69		Atrazine	0.228	0.232	-1.8	109	0.00
70	C	Pentachlorophenol	0.161	0.170	-5.6	111	0.00
71		Phenanthrene	1.099	1.084	1.4	107	0.00
72		Anthracene	1.122	1.144	-2.0	109	0.00
73		Carbazole	1.057	1.052	0.5	107	0.00
74		Di-n-butylphthalate	1.300	1.333	-2.5	110	0.00
75	C	Fluoranthene	1.311	1.283	2.1	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.683	0.661	3.2	71	0.00
78		Pyrene	1.300	1.285	1.2	105	0.00
79	S	Terphenyl-d14	1.093	1.061	2.9	105	0.01
80		Butylbenzylphthalate	0.589	0.605	-2.7	108	0.00
81		Benzo(a)anthracene	1.319	1.302	1.3	106	0.00
82		3,3'-Dichlorobenzidine	0.497	0.485	2.4	103	0.00
83		Chrysene	1.235	1.231	0.3	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.890	-2.7	111	-0.01
85	c	Di-n-octyl phthalate	1.492	1.525	-2.2	109	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	103	-0.02
87		Indeno(1,2,3-cd)pyrene	1.467	1.434	2.2	105	-0.02
88		Benzo(b)fluoranthene	1.179	1.172	0.6	107	0.00
89		Benzo(k)fluoranthene	1.180	1.163	1.4	106	0.00
90	C	Benzo(a)pyrene	1.148	1.141	0.6	106	0.01
91		Dibenzo(a,h)anthracene	1.199	1.180	1.6	105	-0.01
92		Benzo(g,h,i)perylene	1.178	1.150	2.4	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	39.105	2.2	105	0.00
3		Pyridine	40.000	38.896	2.8	104	0.00
4		n-Nitrosodimethylamine	40.000	43.424	-8.6	114	0.00
5	S	2-Fluorophenol	80.000	79.946	0.1	105	0.00
6		Aniline	40.000	40.682	-1.7	106	0.00
7	S	Phenol-d6	80.000	81.335	-1.7	105	0.00
8		2-Chlorophenol	40.000	40.892	-2.2	107	0.00
9		Benzaldehyde	40.000	32.395	19.0	65	0.00
10	C	Phenol	40.000	41.003	-2.5	106	0.00
11		bis(2-Chloroethyl)ether	40.000	40.176	-0.4	105	0.00
12		1,3-Dichlorobenzene	40.000	40.056	-0.1	105	0.00
13	C	1,4-Dichlorobenzene	40.000	39.818	0.5	105	0.00
14		1,2-Dichlorobenzene	40.000	39.843	0.4	104	0.00
15		Benzyl Alcohol	40.000	40.657	-1.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.192	-5.5	111	0.00
17		2-Methylphenol	40.000	40.950	-2.4	105	0.00
18		Hexachloroethane	40.000	40.200	-0.5	105	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.903	-2.3	106	0.00
20		3+4-Methylphenols	40.000	40.292	-0.7	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	40.149	-0.4	106	0.00
23	S	Nitrobenzene-d5	80.000	81.140	-1.4	107	0.00
24		Nitrobenzene	40.000	40.951	-2.4	107	0.00
25		Isophorone	40.000	40.304	-0.8	107	0.00
26	C	2-Nitrophenol	40.000	40.785	-2.0	105	0.00
27		2,4-Dimethylphenol	40.000	40.448	-1.1	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.338	-0.8	107	0.00
29	C	2,4-Dichlorophenol	40.000	40.398	-1.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	38.983	2.5	104	0.00
31		Naphthalene	40.000	39.844	0.4	106	0.00
32		Benzoic acid	40.000	52.196	-30.5#	135	0.02
33		4-Chloroaniline	40.000	40.661	-1.7	106	0.00
34	C	Hexachlorobutadiene	40.000	39.100	2.2	103	0.00
35		Caprolactam	40.000	41.192	-3.0	109	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.295	-3.2	108	0.00
37		2-Methylnaphthalene	40.000	39.806	0.5	106	0.00
38		1-Methylnaphthalene	40.000	39.466	1.3	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.618	1.0	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.040	-15.1	118	0.00
42	S	2,4,6-Tribromophenol	80.000	82.710	-3.4	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.986	-2.5	107	0.00
44		2,4,5-Trichlorophenol	40.000	41.492	-3.7	107	0.00
45	S	2-Fluorobiphenyl	80.000	76.967	3.8	103	0.00
46		1,1'-Biphenyl	40.000	40.264	-0.7	106	0.00
47		2-Chloronaphthalene	40.000	39.989	0.0	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.643	-9.1	111	0.00
49		Acenaphthylene	40.000	40.393	-1.0	107	0.00
50		Dimethylphthalate	40.000	41.055	-2.6	110	0.00
51		2,6-Dinitrotoluene	40.000	42.345	-5.9	108	0.00
52	C	Acenaphthene	40.000	39.004	2.5	105	0.00
53		3-Nitroaniline	40.000	42.258	-5.6	110	0.00
54	P	2,4-Dinitrophenol	40.000	80.460	-101.1#	207	0.00
55		Dibenzofuran	40.000	39.380	1.5	104	0.00
56	P	4-Nitrophenol	40.000	42.159	-5.4	110	0.01
57		2,4-Dinitrotoluene	40.000	43.171	-7.9	111	0.00
58		Fluorene	40.000	38.896	2.8	104	0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.154	-2.9	108	0.00
60		Diethylphthalate	40.000	41.316	-3.3	110	0.00
61		4-Chlorophenyl-phenylether	40.000	38.989	2.5	104	0.00
62		4-Nitroaniline	40.000	41.329	-3.3	107	0.01
63		Azobenzene	40.000	43.196	-8.0	114	0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	57.103	-42.8#	148	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.022	-2.6	108	0.00
67		4-Bromophenyl-phenylether	40.000	40.448	-1.1	107	0.01
68		Hexachlorobenzene	40.000	39.997	0.0	108	0.01
69		Atrazine	40.000	40.669	-1.7	109	0.00
70	C	Pentachlorophenol	40.000	42.259	-5.6	111	0.00
71		Phenanthrene	40.000	39.449	1.4	107	0.00
72		Anthracene	40.000	40.780	-2.0	109	0.00
73		Carbazole	40.000	39.801	0.5	107	0.00
74		Di-n-butylphthalate	40.000	41.022	-2.6	110	0.00
75	C	Fluoranthene	40.000	39.147	2.1	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	38.735	3.2	71	0.00
78		Pyrene	40.000	39.527	1.2	105	0.00
79	S	Terphenyl-d14	80.000	77.640	2.9	105	0.01
80		Butylbenzylphthalate	40.000	41.070	-2.7	108	0.00
81		Benzo(a)anthracene	40.000	39.477	1.3	106	0.00
82		3,3'-Dichlorobenzidine	40.000	39.005	2.5	103	0.00
83		Chrysene	40.000	39.855	0.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.071	-2.7	111	-0.01
85	c	Di-n-octyl phthalate	40.000	40.906	-2.3	109	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	103	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	39.095	2.3	105	-0.02
88		Benzo(b)fluoranthene	40.000	39.761	0.6	107	0.00
89		Benzo(k)fluoranthene	40.000	39.407	1.5	106	0.00
90	C	Benzo(a)pyrene	40.000	39.773	0.6	106	0.01
91		Dibenzo(a,h)anthracene	40.000	39.366	1.6	105	-0.01
92		Benzo(g,h,i)perylene	40.000	39.026	2.4	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 10:41

Lab File ID: BP025502.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.219		1.2	50.0
Benzaldehyde	1.082	0.644		-40.5	50.0
Phenol-d6	1.544	1.572		1.8	50.0
Phenol	1.620	1.653		2.0	50.0
bis(2-Chloroethyl)ether	1.263	1.267		0.3	50.0
2-Chlorophenol	1.359	1.359		0.0	50.0
2-Methylphenol	1.125	1.140		1.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.764		4.3	50.0
Acetophenone	0.502	0.501		-0.2	50.0
3+4-Methylphenols	1.560	1.551		-0.6	50.0
n-Nitroso-di-n-propylamine	1.023	1.028	0.050	0.5	50.0
Nitrobenzene-d5	0.395	0.403		2.0	50.0
Hexachloroethane	0.563	0.577		2.5	50.0
Nitrobenzene	0.353	0.356		0.9	50.0
Isophorone	0.700	0.700		0.0	50.0
2-Nitrophenol	0.181	0.180		-0.6	50.0
2,4-Dimethylphenol	0.312	0.312		0.0	50.0
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	50.0
2,4-Dichlorophenol	0.310	0.314		1.3	50.0
Naphthalene	1.040	1.013		-2.6	50.0
4-Chloroaniline	0.459	0.455		-0.9	50.0
Hexachlorobutadiene	0.211	0.211		0.0	50.0
Caprolactam	0.114	0.110		-3.5	50.0
4-Chloro-3-methylphenol	0.355	0.357		0.6	50.0
2-Methylnaphthalene	0.676	0.655		-3.1	50.0
Hexachlorocyclopentadiene	0.349	0.364	0.050	4.3	50.0
2,4,6-Trichlorophenol	0.390	0.399		2.3	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.438		2.6	50.0
1,1-Biphenyl	1.453	1.441		-0.8	50.0
2-Chloronaphthalene	1.131	1.125		-0.5	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.455		-0.7	50.0
Acenaphthylene	1.871	1.865		-0.3	50.0
2,6-Dinitrotoluene	0.309	0.317		2.6	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.090		-0.7	50.0
2,4-Dinitrophenol	0.165	0.178	0.050	7.9	50.0
4-Nitrophenol	0.285	0.289	0.050	1.4	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 10:41

Lab File ID: BP025502.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	50.0
2,4-Dinitrotoluene	0.440	0.456		3.6	50.0
Diethylphthalate	1.488	1.507		1.3	50.0
4-Chlorophenyl-phenylether	0.681	0.663		-2.6	50.0
Fluorene	1.370	1.316		-3.9	50.0
4-Nitroaniline	0.356	0.361		1.4	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.612		0.3	50.0
2,4,6-Tribromophenol	0.269	0.271		0.7	50.0
4-Bromophenyl-phenylether	0.220	0.221		0.5	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.171		6.2	50.0
Phenanthrene	1.099	1.073		-2.4	50.0
Anthracene	1.122	1.104		-1.6	50.0
Carbazole	1.057	1.038		-1.8	50.0
Di-n-butylphthalate	1.300	1.312		0.9	50.0
Fluoranthene	1.311	1.295		-1.2	50.0
Pyrene	1.300	1.234		-5.1	50.0
Terphenyl-d14	1.093	1.063		-2.7	50.0
Butylbenzylphthalate	0.589	0.598		1.5	50.0
3,3-Dichlorobenzidine	0.497	0.488		-1.8	50.0
Benzo(a)anthracene	1.319	1.290		-2.2	50.0
Chrysene	1.235	1.218		-1.4	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.889		2.5	50.0
Di-n-octyl phthalate	1.492	1.539		3.2	50.0
Benzo(b)fluoranthene	1.179	1.173		-0.5	50.0
Benzo(k)fluoranthene	1.180	1.196		1.4	50.0
Benzo(a)pyrene	1.148	1.133		-1.3	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.427		-2.7	50.0
Dibenzo(a,h)anthracene	1.199	1.179		-1.7	50.0
Benzo(g,h,i)perylene	1.178	1.139		-3.3	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	50.0
1,4-Dioxane	0.472	0.487		3.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.383		1.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147637	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	617928	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	400331	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	794586	20.000	ng	0.00
76) Chrysene-d12	21.648	240	859938	20.000	ng	0.00
86) Perylene-d12	25.018	264	959319	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	719851	80.973	ng	0.00
7) Phenol-d6	6.966	99	928207	81.437	ng	0.00
23) Nitrobenzene-d5	8.931	82	996684	81.592	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	434204	80.580	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2329621	79.531	ng	0.00
79) Terphenyl-d14	19.930	244	3655452	77.772	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	143916	41.329	ng	98
3) Pyridine	3.731	79	384461	40.337	ng	95
4) n-Nitrosodimethylamine	3.631	42	170424	43.372	ng	94
6) Aniline	7.119	93	617192	40.190	ng	97
8) 2-Chlorophenol	7.360	128	401335	40.005	ng	98
9) Benzaldehyde	6.937	77	190261	23.826	ng	96
10) Phenol	6.990	94	487981	40.802	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	374074	40.129	ng	99
12) 1,3-Dichlorobenzene	7.678	146	441153	39.880	ng	96
13) 1,4-Dichlorobenzene	7.819	146	454745	40.220	ng	99
14) 1,2-Dichlorobenzene	8.137	146	437042	39.931	ng	98
15) Benzyl Alcohol	8.019	79	368154	40.652	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	520729	41.700	ng	98
17) 2-Methylphenol	8.225	107	336589	40.522	ng	100
18) Hexachloroethane	8.860	117	170458	41.003	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	303621	40.216	ng	97
20) 3+4-Methylphenols	8.549	107	458019	39.780	ng	97
22) Acetophenone	8.601	105	619709	39.991	ng	98
24) Nitrobenzene	8.972	77	440063	40.309	ng	98
25) Isophorone	9.496	82	864797	40.003	ng	100
26) 2-Nitrophenol	9.678	139	223032	39.808	ng	97
27) 2,4-Dimethylphenol	9.737	122	385100	39.968	ng	97
28) bis(2-Chloroethoxy)met...	9.966	93	515756	39.468	ng	98
29) 2,4-Dichlorophenol	10.207	162	387958	40.533	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	408012	38.887	ng	97
31) Naphthalene	10.607	128	1252509	38.998	ng	100
32) Benzoic acid	9.878	122	284166	39.948	ng	96
33) 4-Chloroaniline	10.713	127	561871	39.605	ng	99
34) Hexachlorobutadiene	10.895	225	261058	39.951	ng	96
35) Caprolactam	11.490	113	136092	38.776	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	441463	40.195	ng	96
37) 2-Methylnaphthalene	12.219	142	809155	38.714	ng	99
38) 1-Methylnaphthalene	12.437	142	851212	38.296	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	469176	40.579	ng	99
41) Hexachlorocyclopentadiene	12.566	237	291550	41.746	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	319303	40.907	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	350964	41.026	ng	99
46) 1,1'-Biphenyl	13.225	154	1153599	39.678	ng	99
47) 2-Chloronaphthalene	13.272	162	900445	39.783	ng	98
48) 2-Nitroaniline	13.472	65	281785	42.727	ng	97
49) Acenaphthylene	14.125	152	1492877	39.860	ng	100
50) Dimethylphthalate	13.854	163	1165139	39.744	ng	99
51) 2,6-Dinitrotoluene	13.972	165	253787	41.073	ng	93
52) Acenaphthene	14.478	154	872980m	39.710	ng	
53) 3-Nitroaniline	14.301	138	285327	41.043	ng	97
54) 2,4-Dinitrophenol	14.507	184	142309	43.128	ng	97
55) Dibenzofuran	14.813	168	1363388	39.226	ng	98
56) 4-Nitrophenol	14.619	139	231578	40.538	ng	92
57) 2,4-Dinitrotoluene	14.766	165	365491	41.459	ng	96
58) Fluorene	15.466	166	1053490	38.412	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.036	232	306484	40.574	ng	98
60) Diethylphthalate	15.242	149	1206790	40.513	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	531056	38.934	ng	97
62) 4-Nitroaniline	15.483	138	288849	40.530	ng	93
63) Azobenzene	15.766	77	1076346	42.199	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	207617	41.917	ng	93
66) n-Nitrosodiphenylamine	15.678	169	973360	40.171	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	351898	40.268	ng	97
68) Hexachlorobenzene	16.495	284	404392	39.919	ng	98
69) Atrazine	16.654	200	364653	40.186	ng	100
70) Pentachlorophenol	16.842	266	271451	42.449	ng	96
71) Phenanthrene	17.242	178	1705125	39.064	ng	99
72) Anthracene	17.336	178	1754702	39.365	ng	99
73) Carbazole	17.613	167	1650038	39.300	ng	99
74) Di-n-butylphthalate	18.213	149	2085492	40.373	ng	100
75) Fluoranthene	19.330	202	2058062	39.528	ng	99
77) Benzidine	19.519	184	965340	32.893	ng	99
78) Pyrene	19.701	202	2123016	37.983	ng	100
80) Butylbenzylphthalate	20.654	149	1028893	40.617	ng	98
81) Benzo(a)anthracene	21.630	228	2219096	39.128	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	839996	39.295	ng	99
83) Chrysene	21.695	228	2094426	39.434	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1528918	41.001	ng	99
85) Di-n-octyl phthalate	22.865	149	2647644	41.280	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	2736984	38.904	ng	98
88) Benzo(b)fluoranthene	23.959	252	2250091	39.777	ng	99
89) Benzo(k)fluoranthene	24.036	252	2294595	40.536	ng	99
90) Benzo(a)pyrene	24.871	252	2174497	39.490	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2262080	39.346	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2184778	38.659	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Manual Integrations APPROVED

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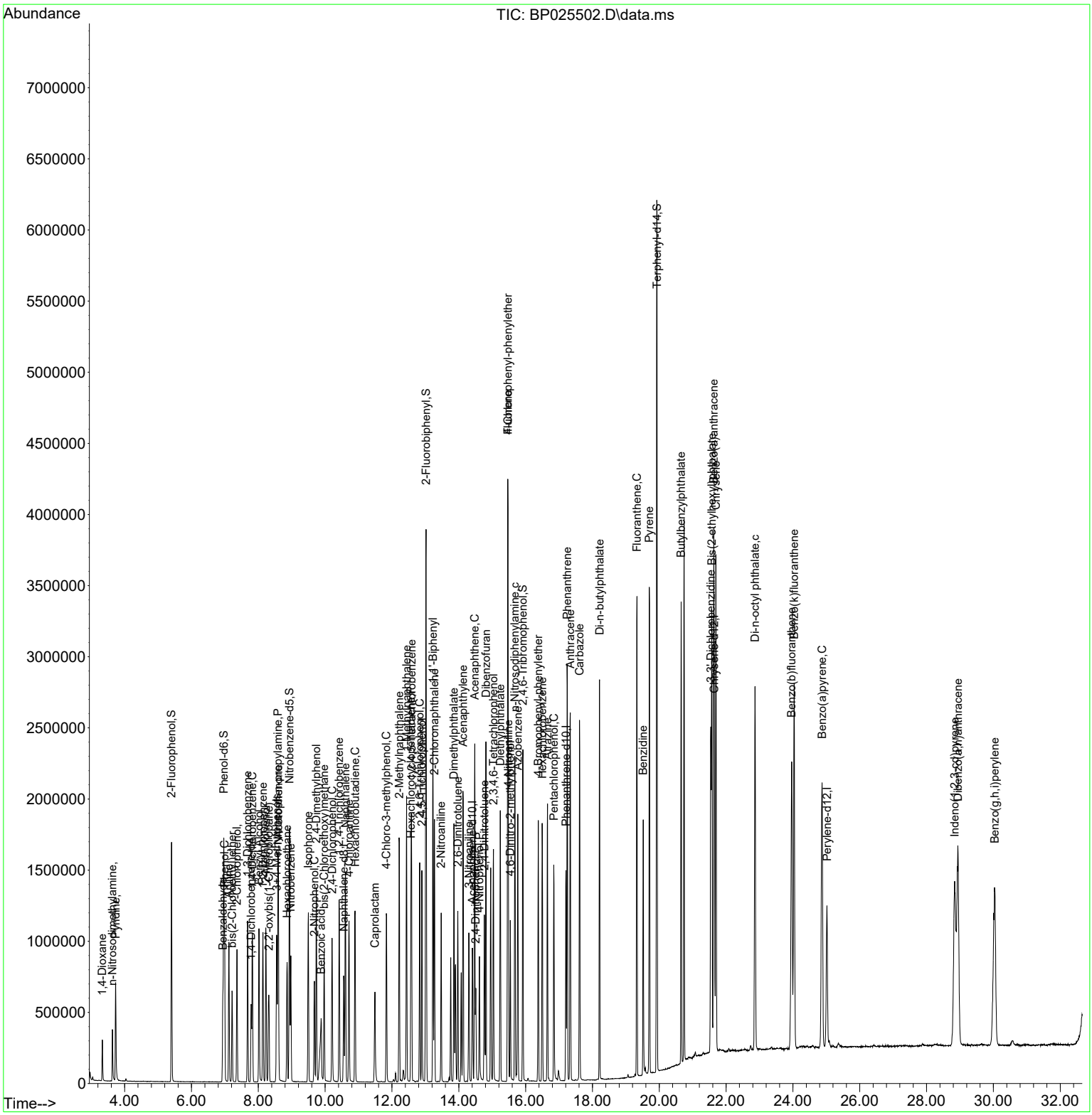
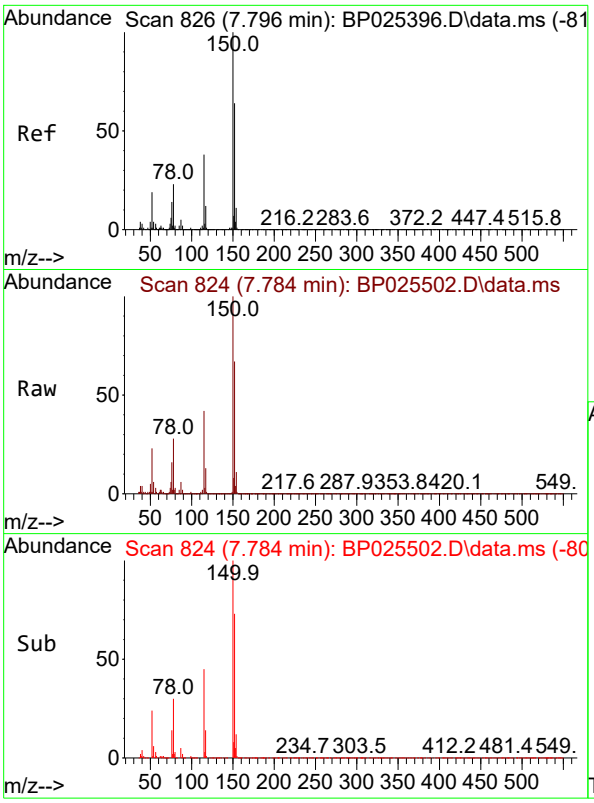
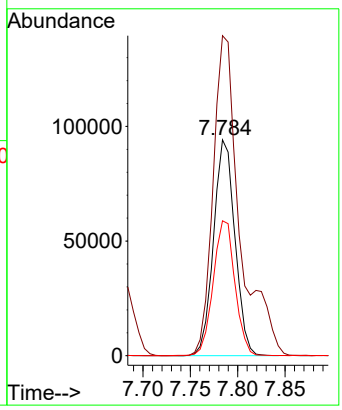




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:152 Resp: 14763

Ion	Ratio	Lower	Upper
152	100		
150	148.3	125.9	188.9
115	62.5	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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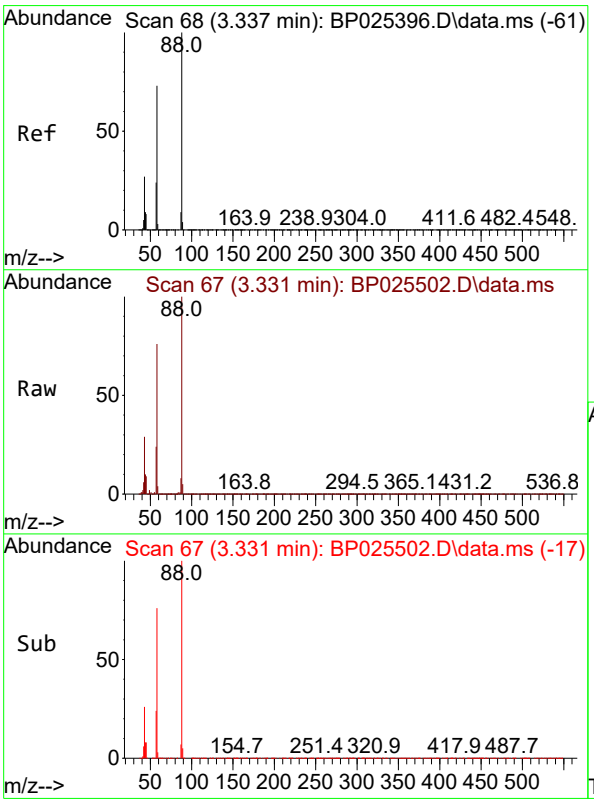
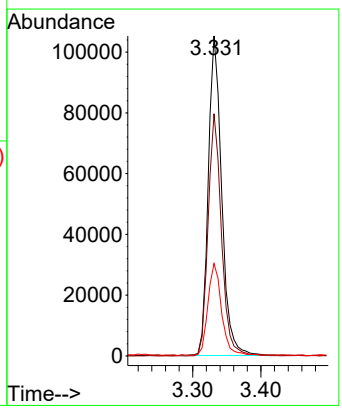
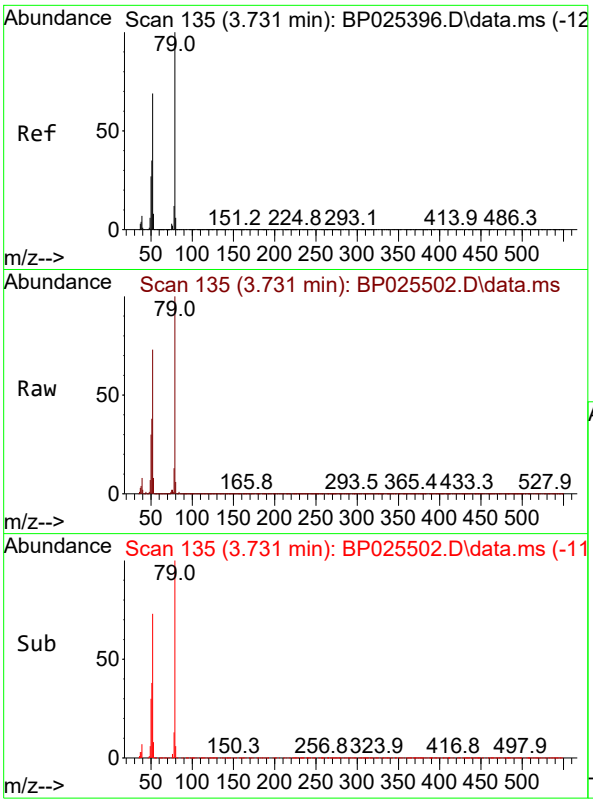


#2
1,4-Dioxane
Concen: 41.329 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 88 Resp: 143916

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	28.9	21.7	32.5

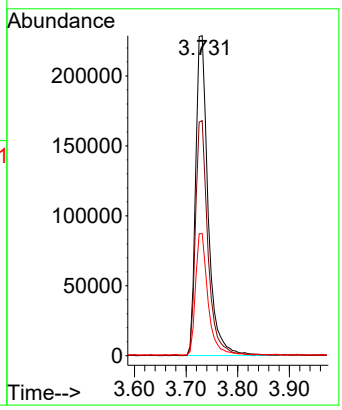




#3
Pyridine
Concen: 40.337 ng
RT: 3.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 79 Resp: 38446

Ion	Ratio	Lower	Upper
79	100		
52	73.4	55.5	83.3
51	38.2	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

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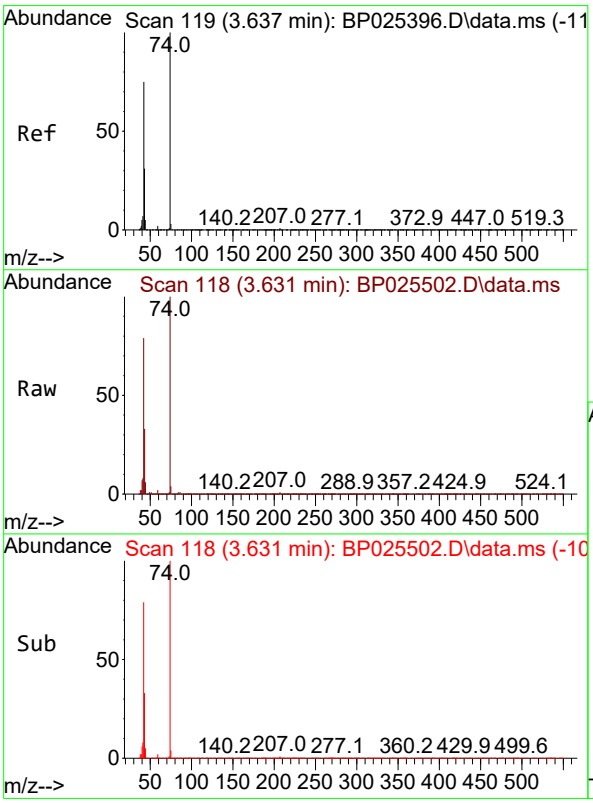
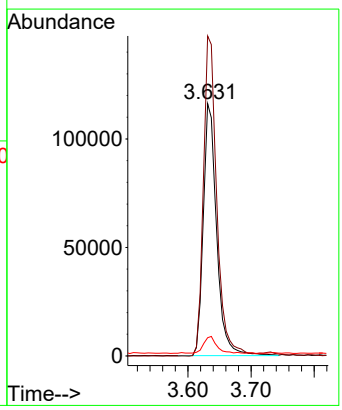
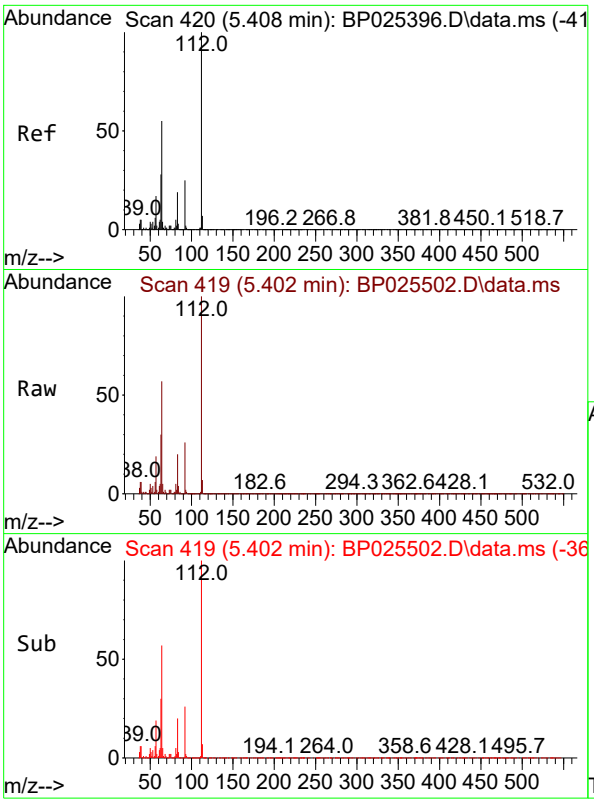


#4
n-Nitrosodimethylamine
Concen: 43.372 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 42 Resp: 170424

Ion	Ratio	Lower	Upper
42	100		
74	126.8	107.0	160.4
44	7.2	6.2	9.4

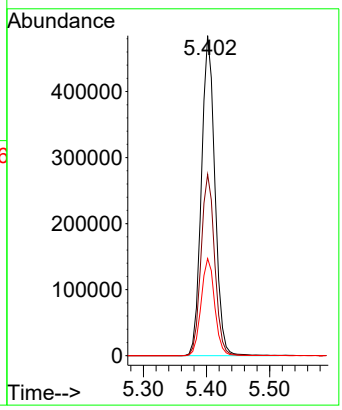




#5
2-Fluorophenol
Concen: 80.973 ng
RT: 5.402 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:112 Resp: 71985

Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.8	65.8
63	30.4	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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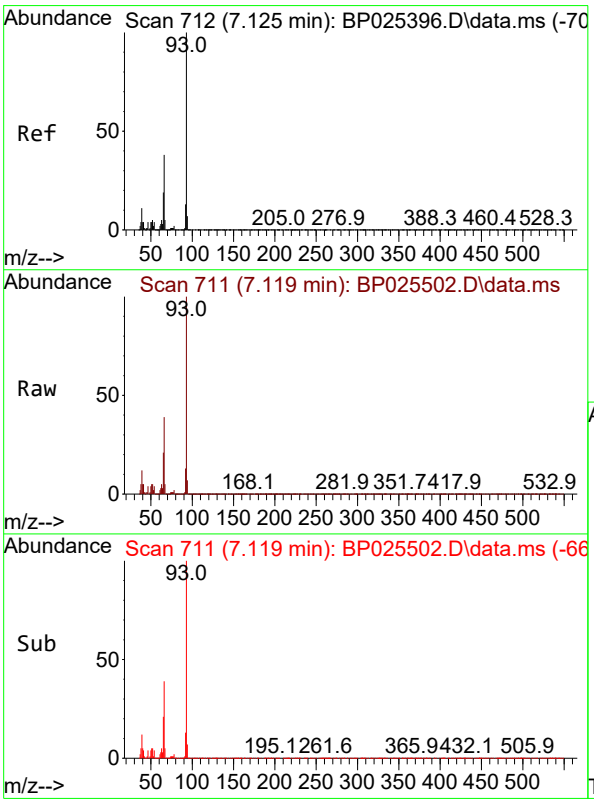
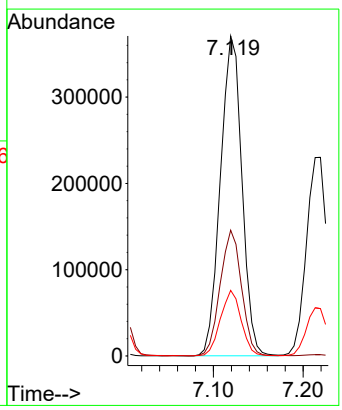
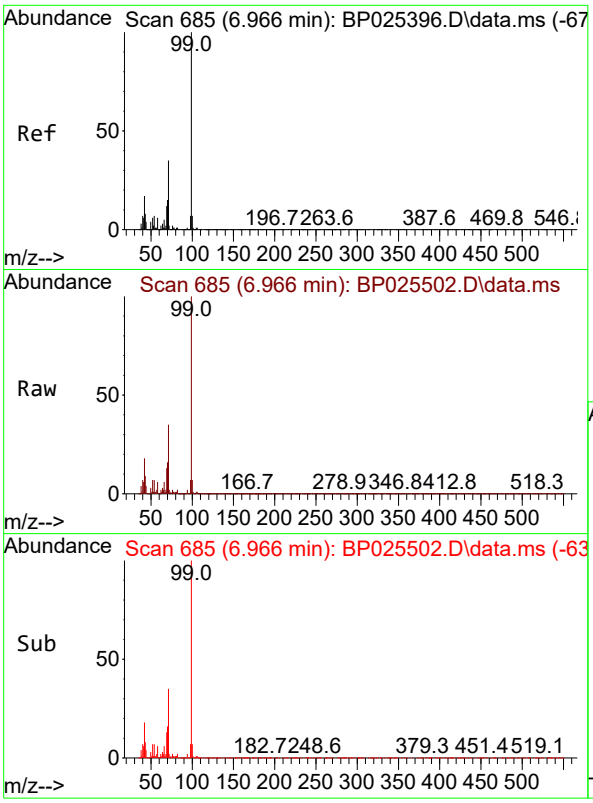


#6
Aniline
Concen: 40.190 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 617192

Ion	Ratio	Lower	Upper
93	100		
66	39.3	30.4	45.6
65	20.5	15.3	22.9

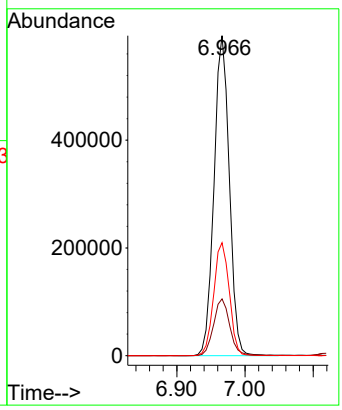




#7
Phenol-d6
Concen: 81.437 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 99 Resp: 92820

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.7	20.5
71	35.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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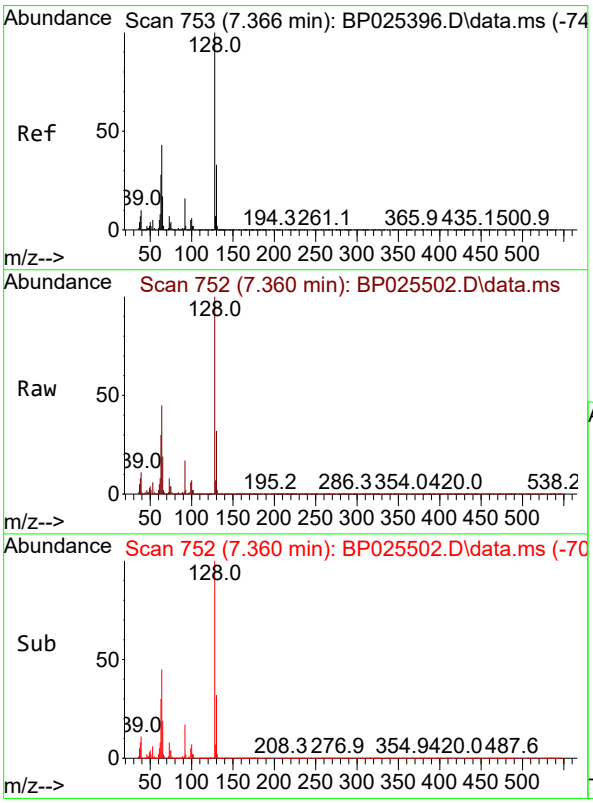
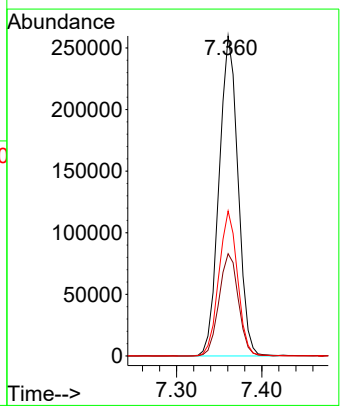
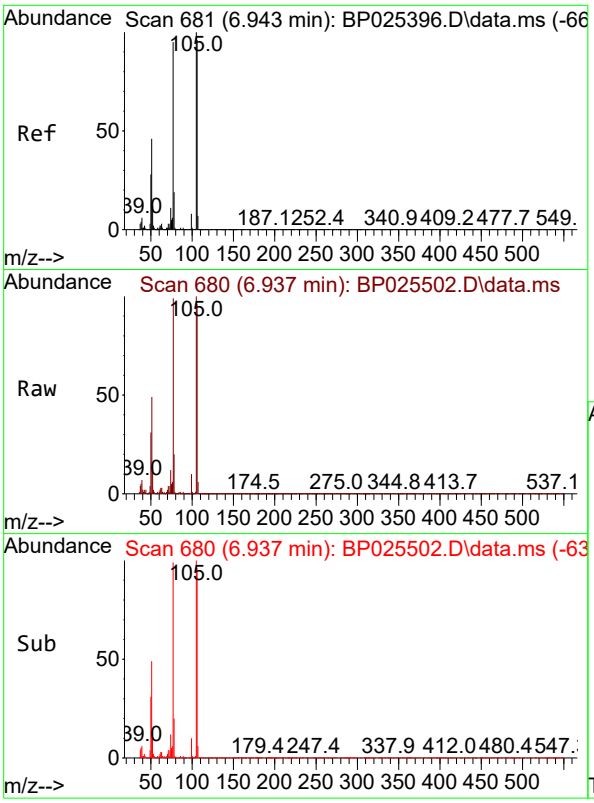


#8
2-Chlorophenol
Concen: 40.005 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:128 Resp: 401335

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	45.3	23.4	63.4

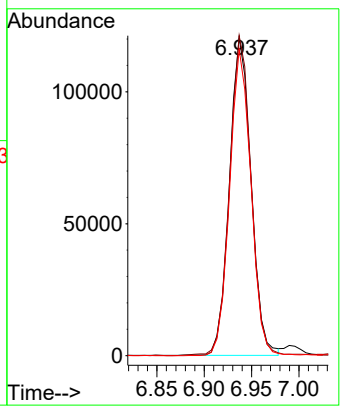




#9
Benzaldehyde
Concen: 23.826 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 77 Resp: 19026

Ion	Ratio	Lower	Upper
77	100		
105	100.6	84.8	124.8
106	96.4	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

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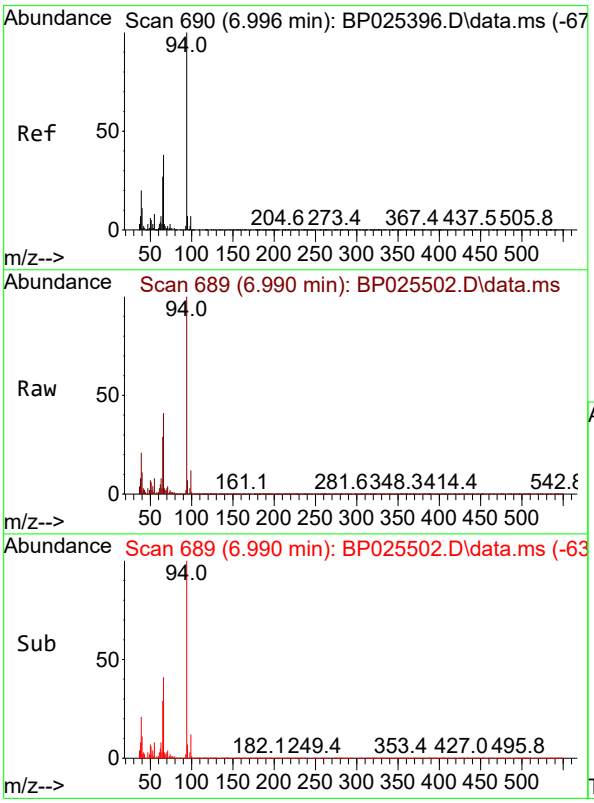
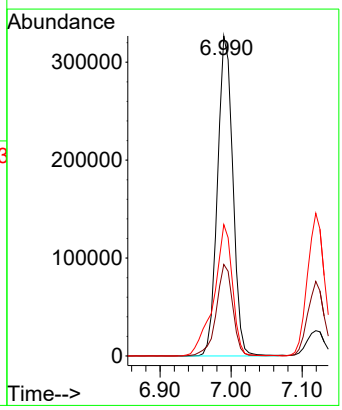
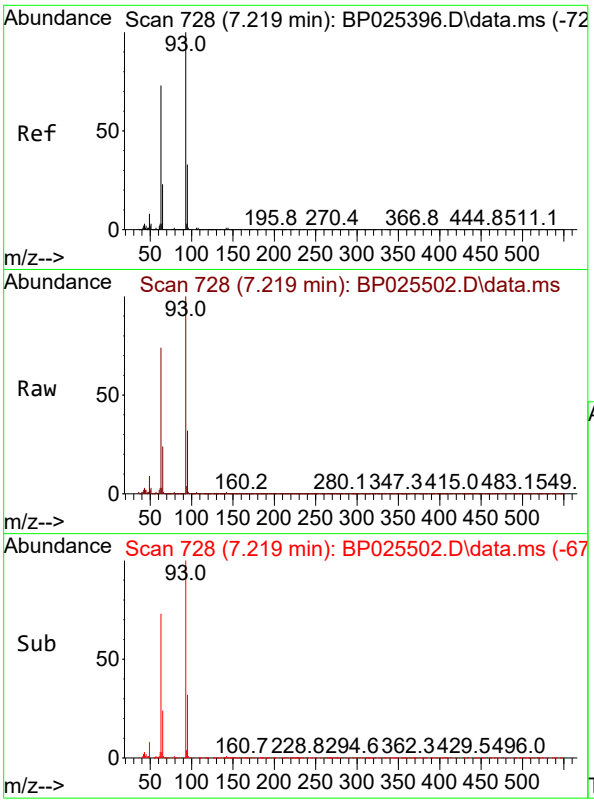


#10
Phenol
Concen: 40.802 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 94 Resp: 487981

Ion	Ratio	Lower	Upper
94	100		
65	28.6	6.8	46.8
66	41.1	18.2	58.2

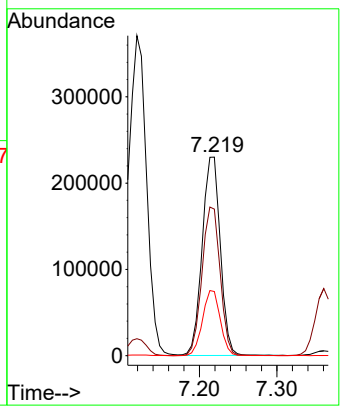




#11
bis(2-Chloroethyl)ether
Concen: 40.129 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 37407

Ion	Ratio	Lower	Upper
93	100		
63	73.8	52.6	92.6
95	32.3	12.7	52.7



Instrument :
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ClientSampleId :
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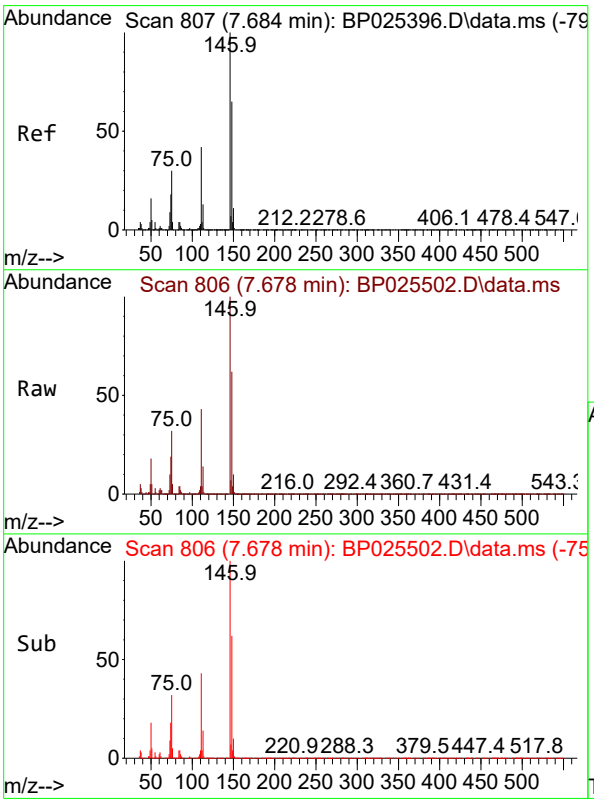
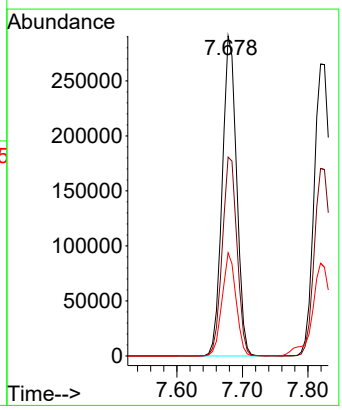
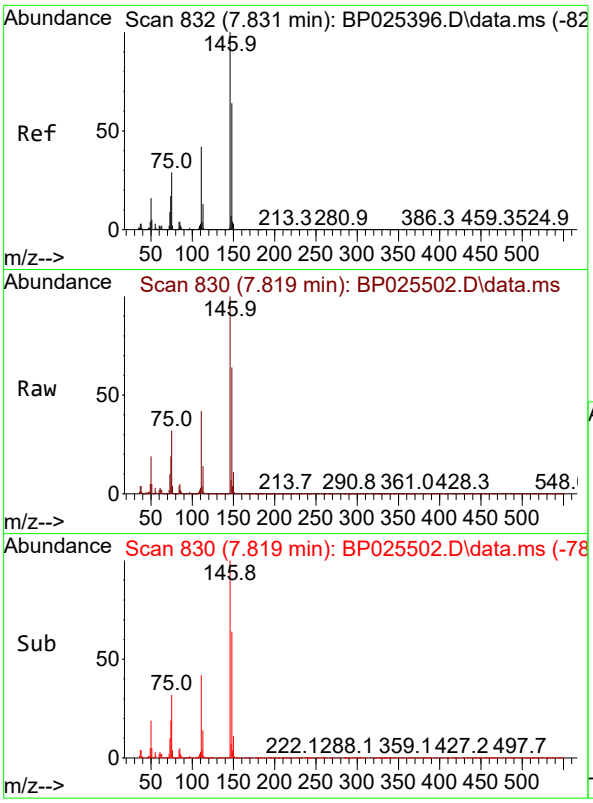


#12
1,3-Dichlorobenzene
Concen: 39.880 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 441153

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.3	23.7	35.5

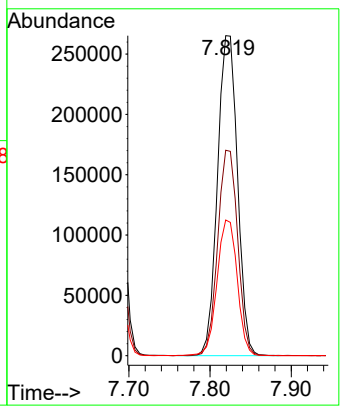




#13
1,4-Dichlorobenzene
Concen: 40.220 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 45474

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
111	42.4	33.4	50.0



Instrument :
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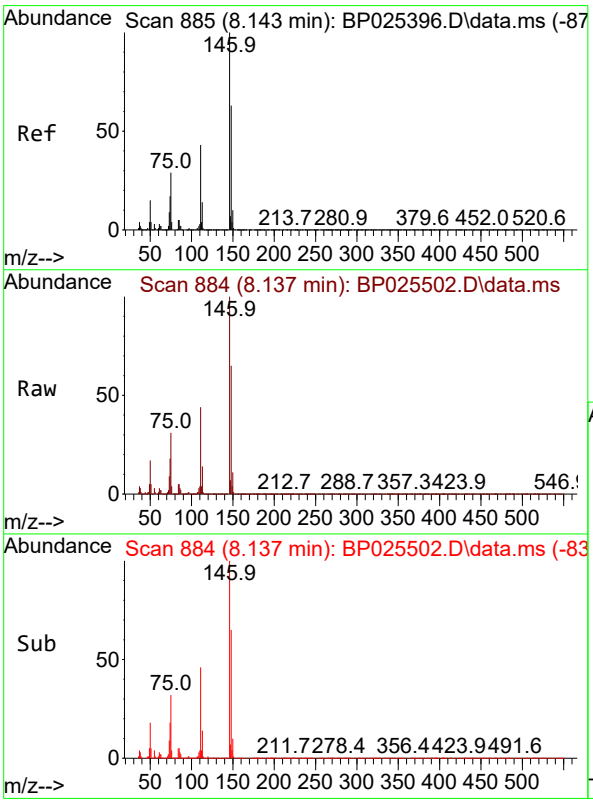
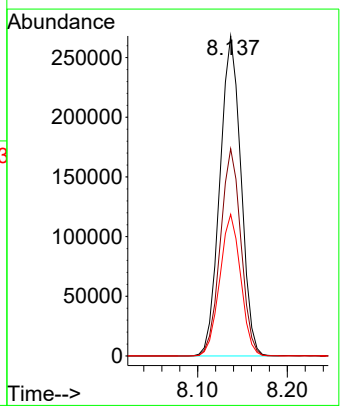
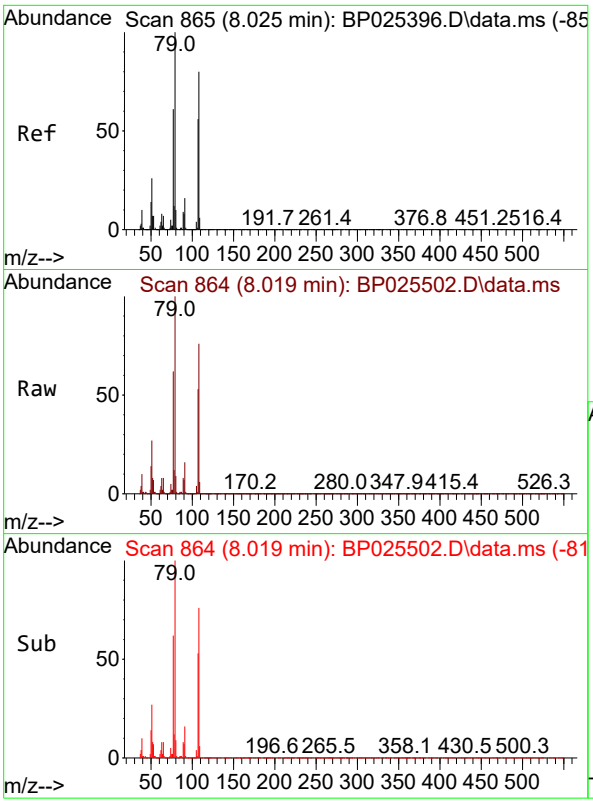


#14
1,2-Dichlorobenzene
Concen: 39.931 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 437042

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.4	75.6
111	44.3	34.5	51.7

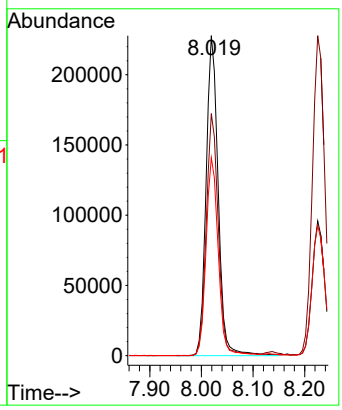




#15
Benzyl Alcohol
Concen: 40.652 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 79 Resp: 36815

Ion	Ratio	Lower	Upper
79	100		
108	75.7	63.8	95.6
77	61.9	49.0	73.4



Instrument :
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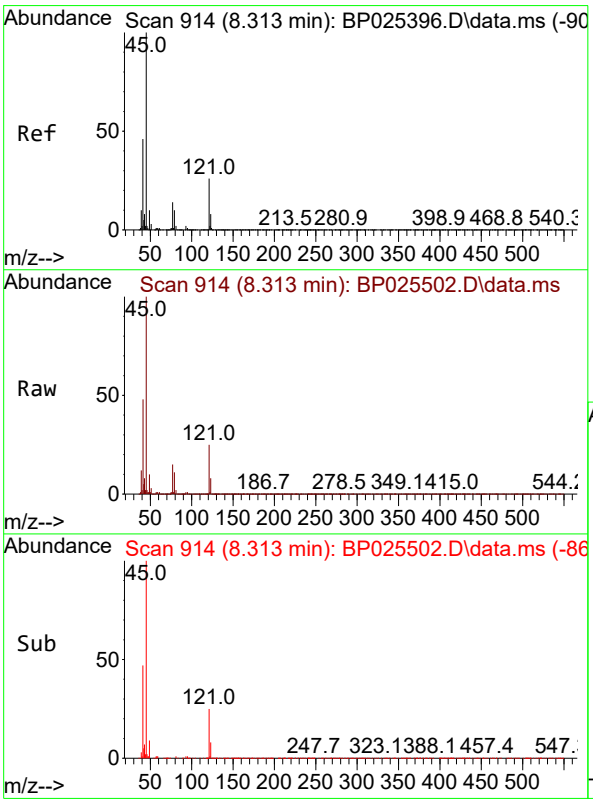
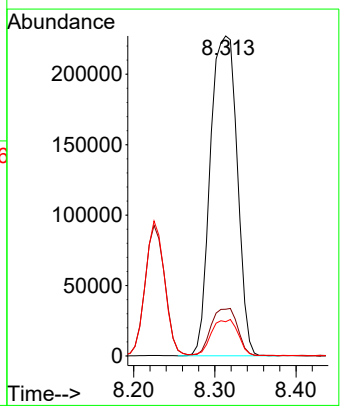
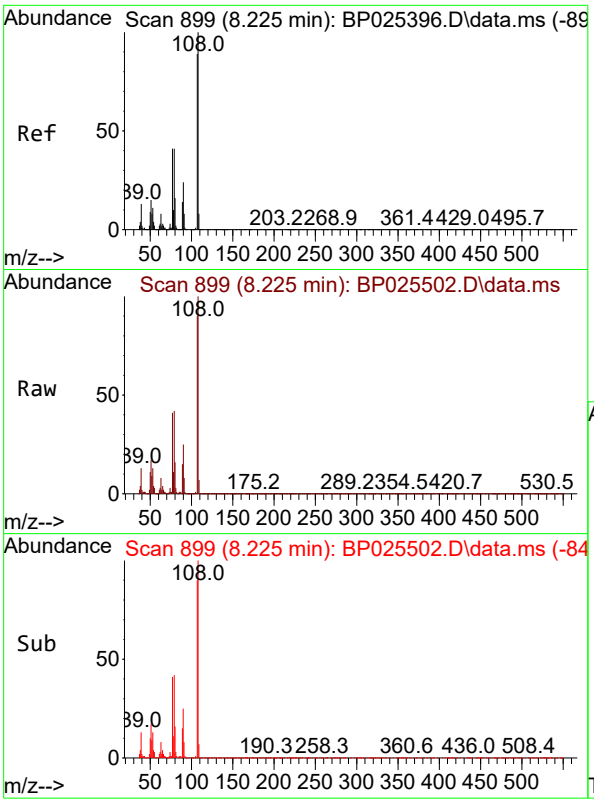


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.700 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 45 Resp: 520729

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.7	0.0	31.8

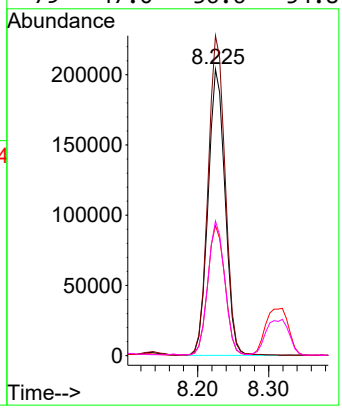




#17
2-Methylphenol
Concen: 40.522 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 33658

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	47.0	36.6	54.8



Instrument :
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ClientSampleId :
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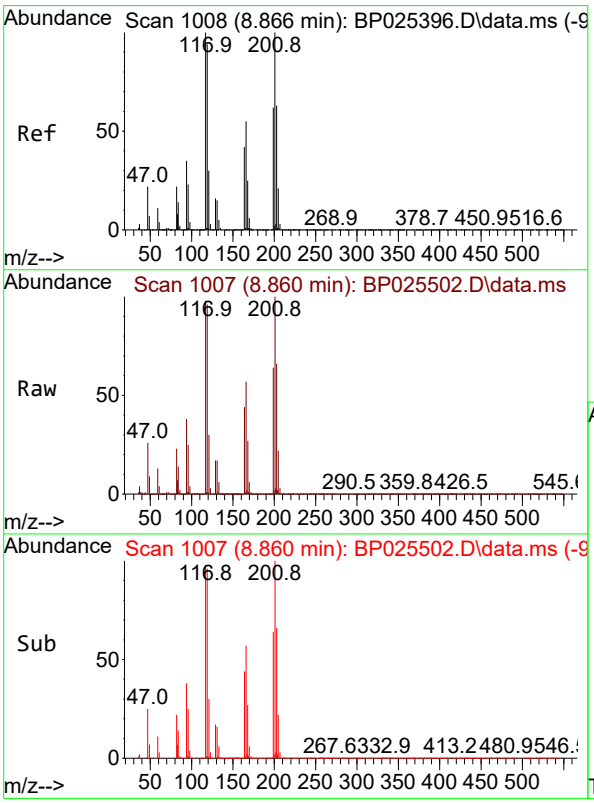
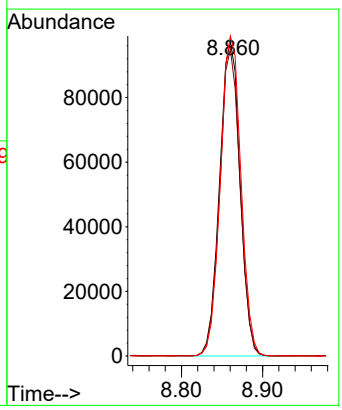
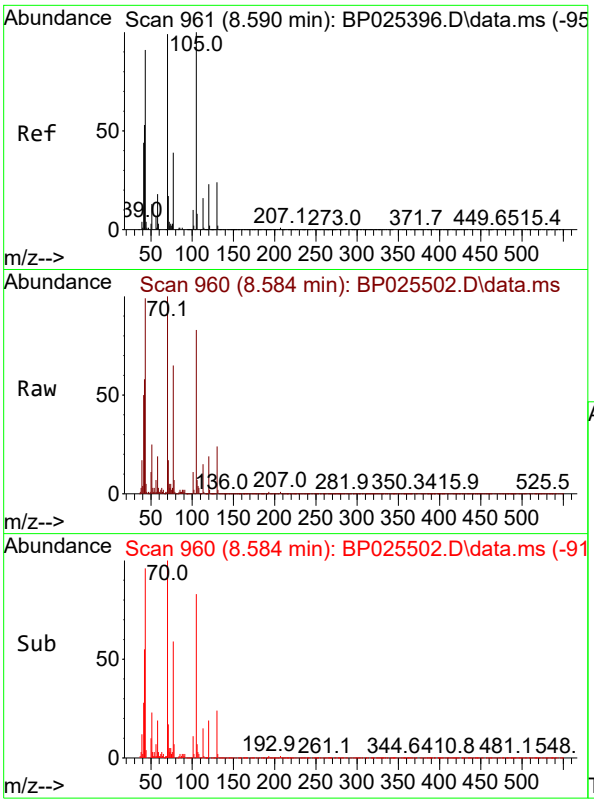


#18
Hexachloroethane
Concen: 41.003 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:117 Resp: 170458

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.1	112.7
201	101.9	80.1	120.1

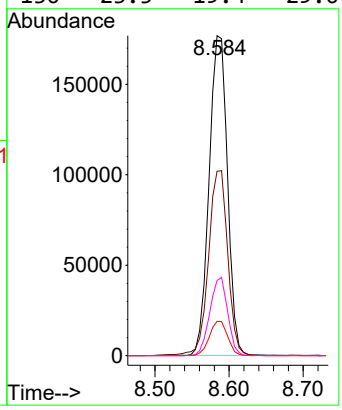




#19
n-Nitroso-di-n-propylamine
Concen: 40.216 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 70 Resp: 30362

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.7	8.5	12.7
130	23.5	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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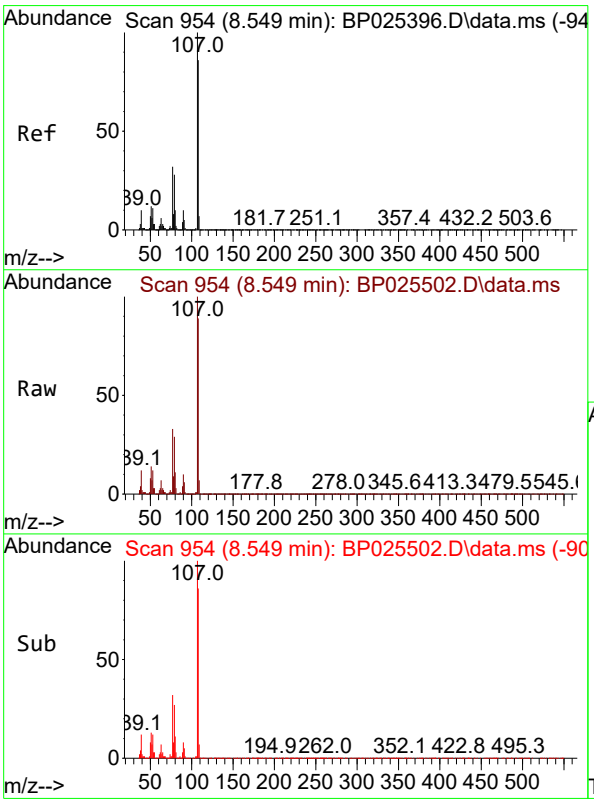
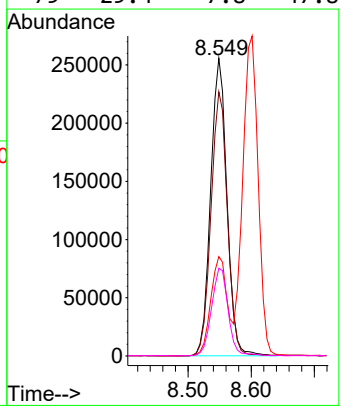
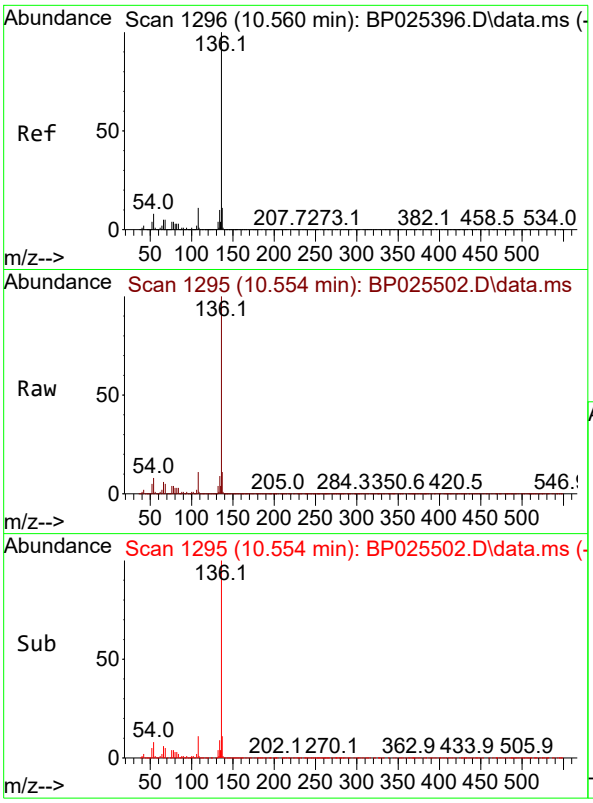


#20
3+4-Methylphenols
Concen: 39.780 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 458019

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.3	12.3	52.3
79	29.4	7.8	47.8

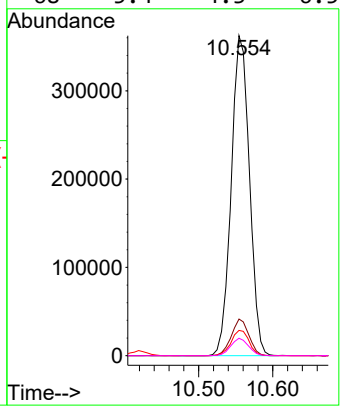




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:136 Resp: 617928

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.9	6.0	9.0
68	5.4	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
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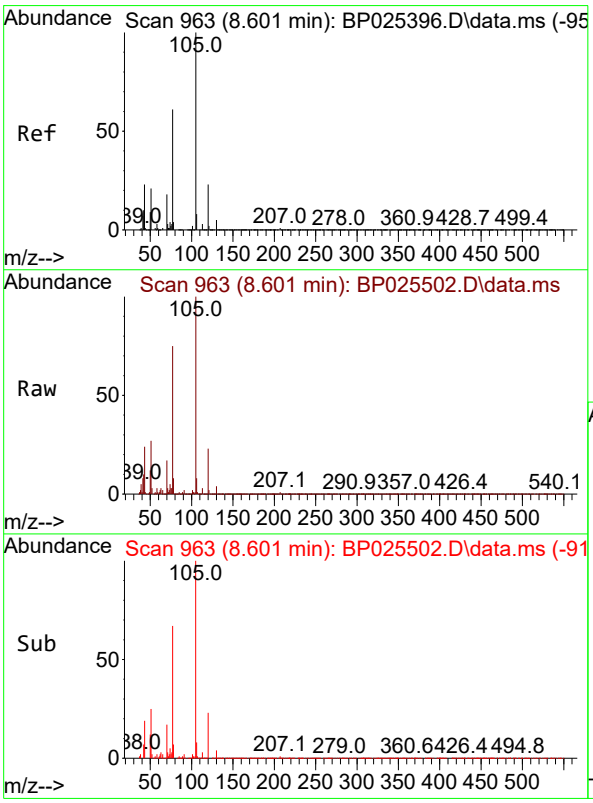
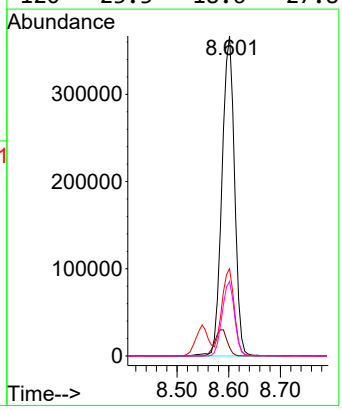
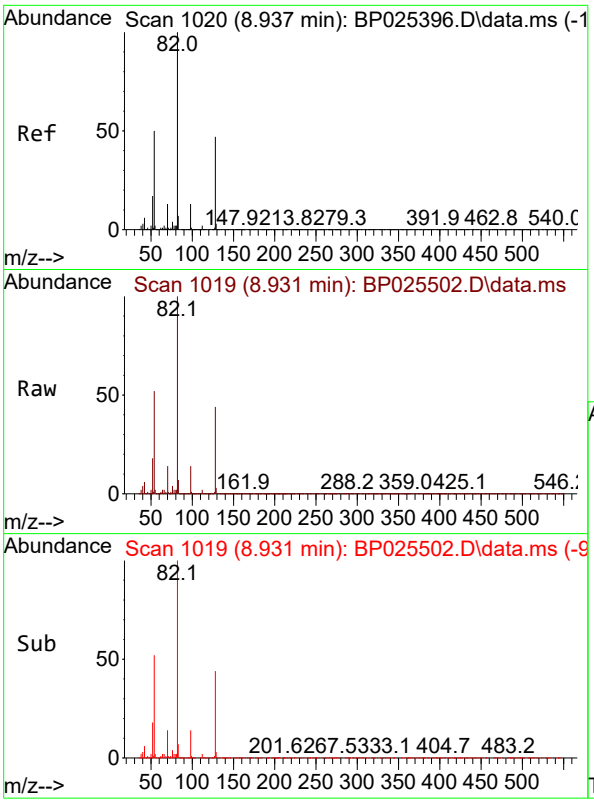


#22
Acetophenone
Concen: 39.991 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:105 Resp: 619709

Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.6	4.0
51	27.2	20.6	30.8
120	23.3	18.6	27.8

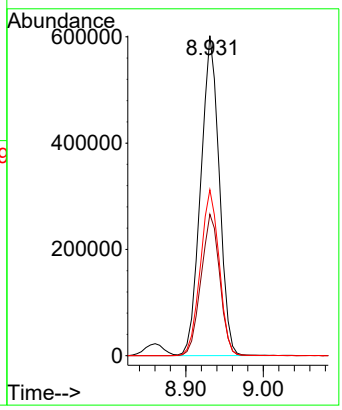




#23
Nitrobenzene-d5
Concen: 81.592 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 82 Resp: 99668

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	51.9	39.8	59.6



Instrument :
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ClientSampleId :
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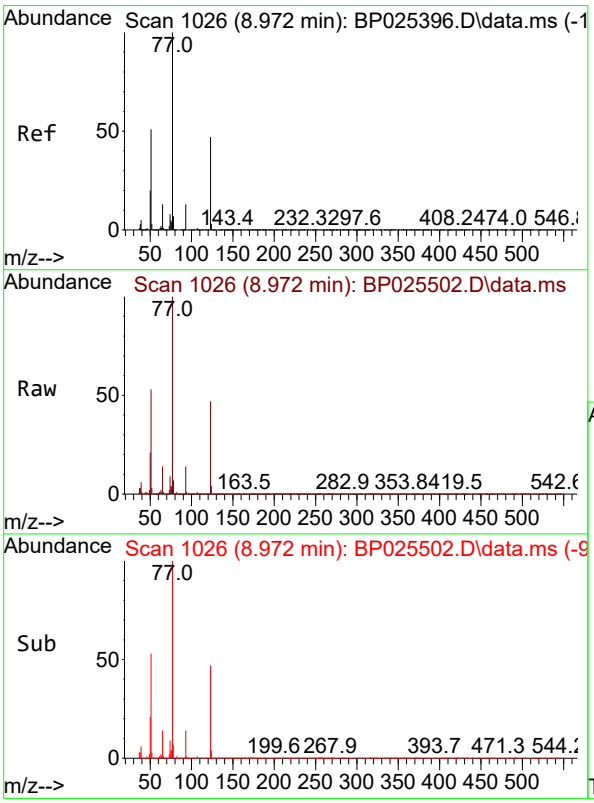
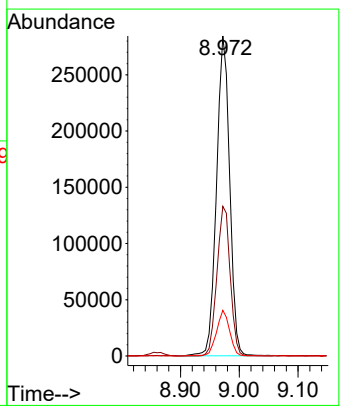
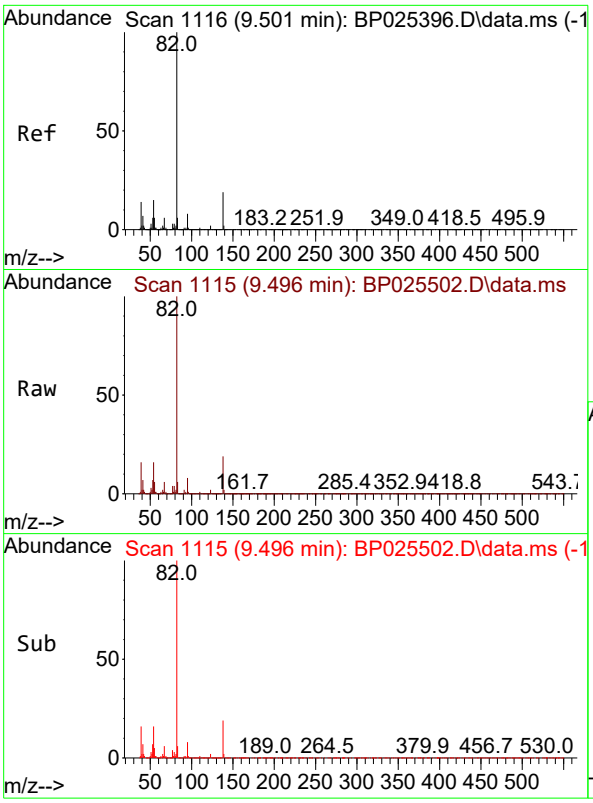


#24
Nitrobenzene
Concen: 40.309 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 77 Resp: 440063

Ion	Ratio	Lower	Upper
77	100		
123	46.8	38.6	58.0
65	14.2	10.6	15.8

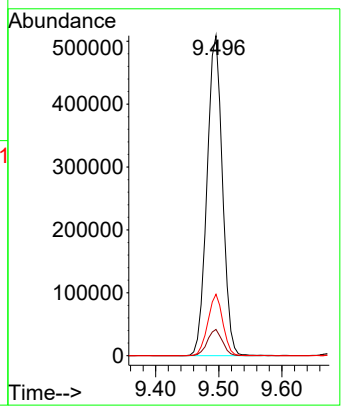




#25
Isophorone
Concen: 40.003 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 82 Resp: 8647

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	19.2	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
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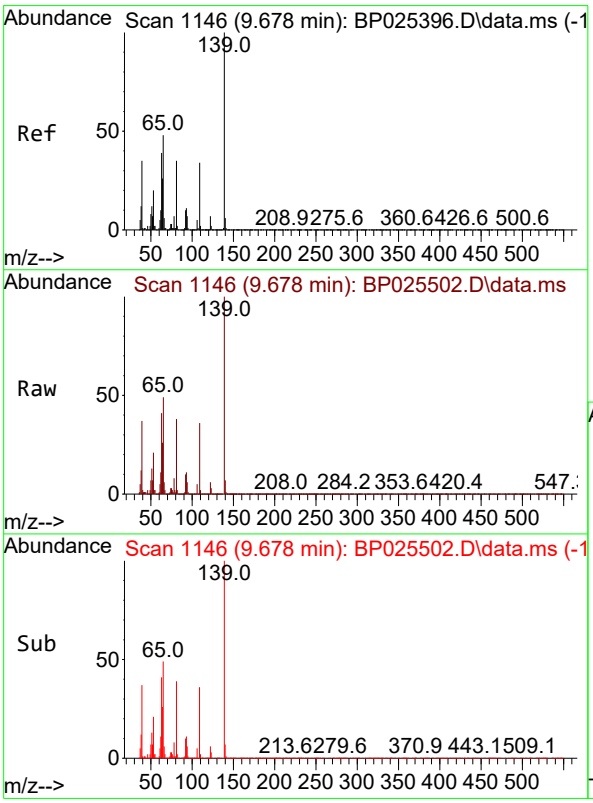
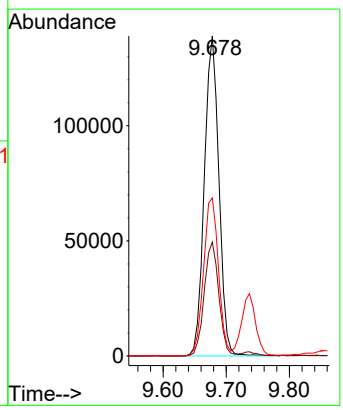
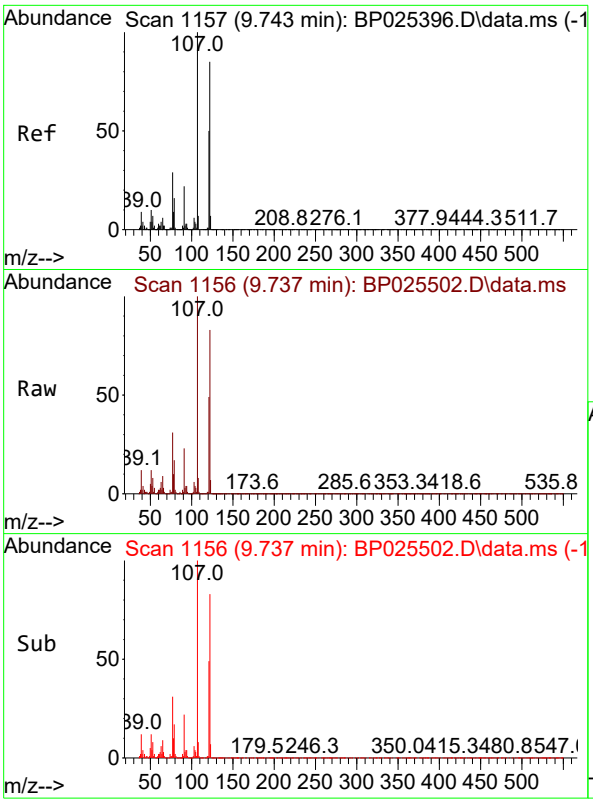


#26
2-Nitrophenol
Concen: 39.808 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:139 Resp: 223032

Ion	Ratio	Lower	Upper
139	100		
109	35.6	26.9	40.3
65	49.4	38.3	57.5





#27
2,4-Dimethylphenol
Concen: 39.968 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:122 Resp: 38510

Ion	Ratio	Lower	Upper
122	100		
107	120.5	93.7	140.5
121	59.5	46.6	69.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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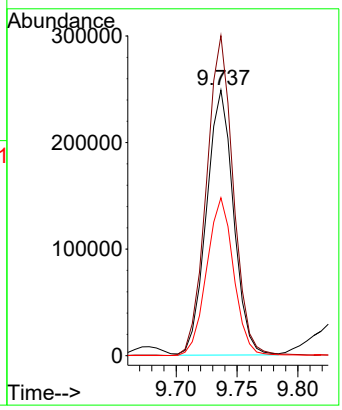
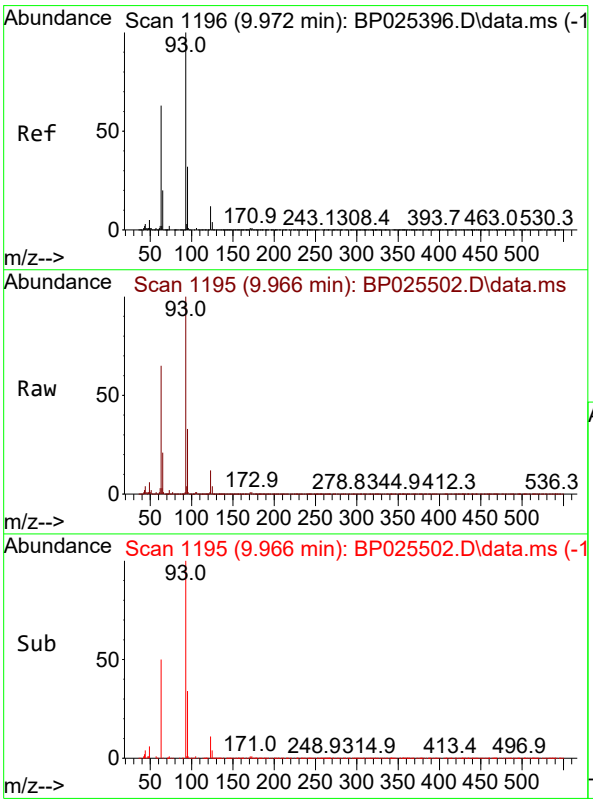
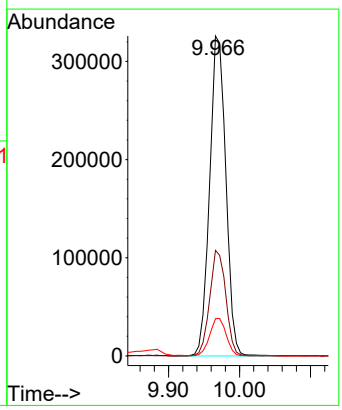


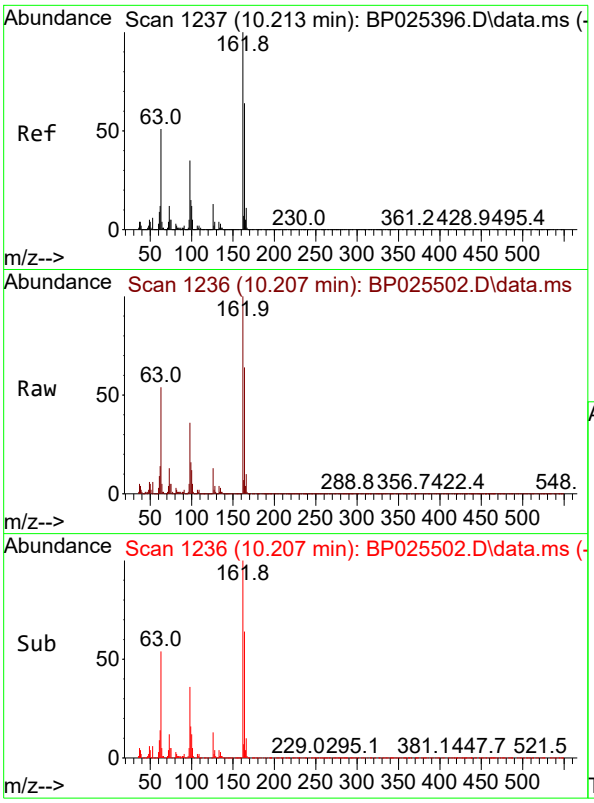


#28
bis(2-Chloroethoxy)methane
Concen: 39.468 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 515756

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.4	38.0
123	11.7	9.4	14.0

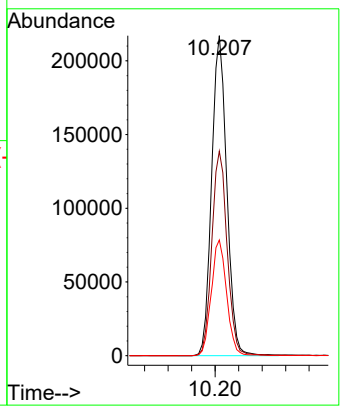




#29
2,4-Dichlorophenol
Concen: 40.533 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:162 Resp: 38795

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.4	84.4
98	36.2	14.9	54.9



Instrument :
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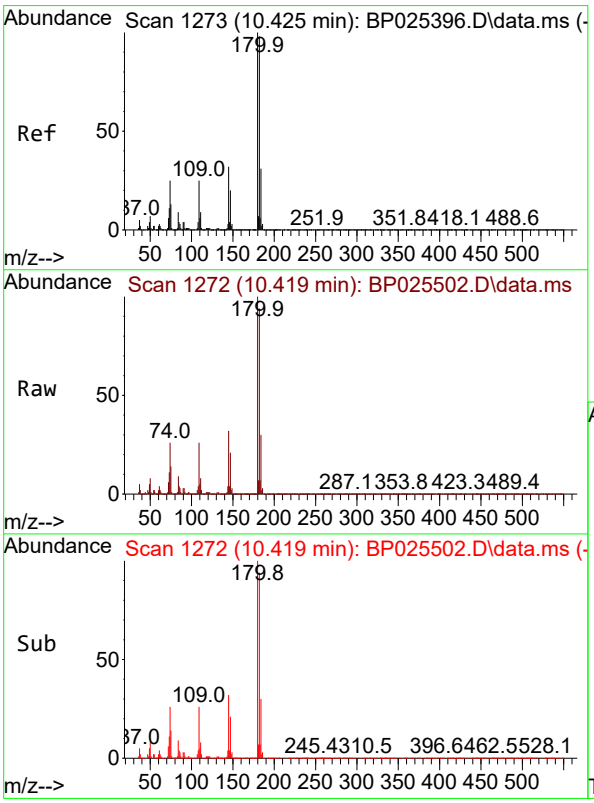
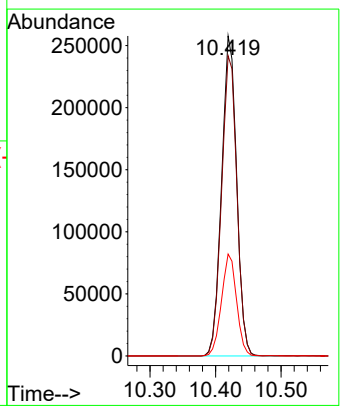
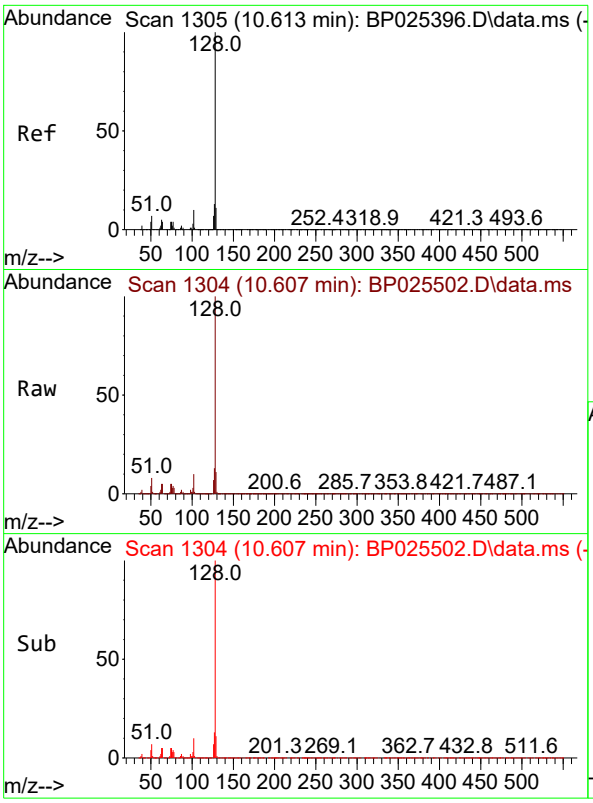


#30
1,2,4-Trichlorobenzene
Concen: 38.887 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:180 Resp: 408012

Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.0	117.0
145	31.8	25.9	38.9

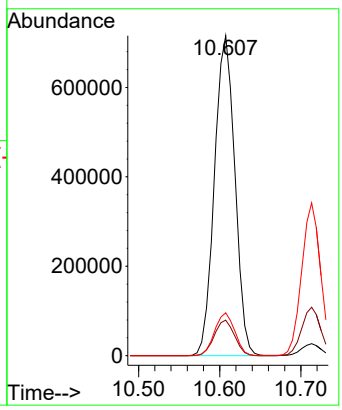




#31
Naphthalene
Concen: 38.998 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:128 Resp: 125250

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.4	10.7	16.1



Instrument :
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ClientSampleId :
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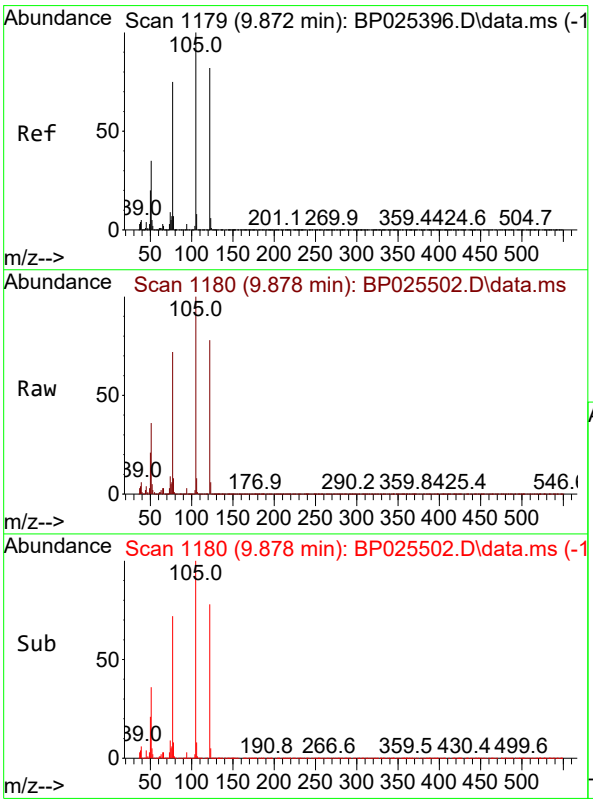
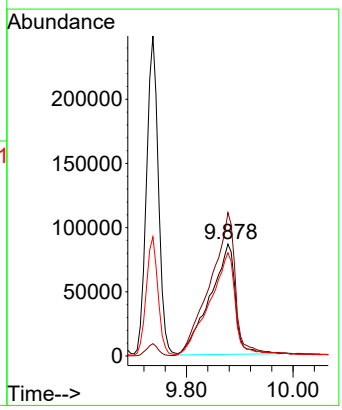
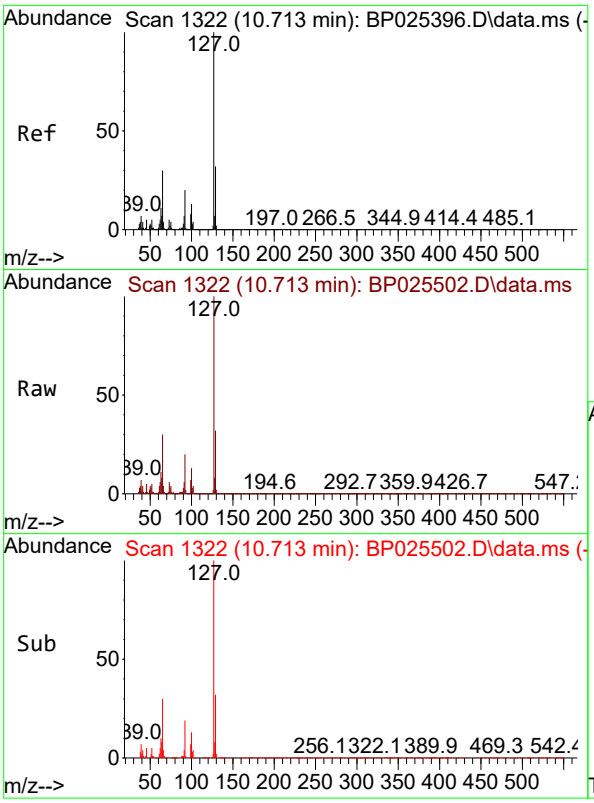


#32
Benzoic acid
Concen: 39.948 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:122 Resp: 284166

Ion	Ratio	Lower	Upper
122	100		
105	128.1	100.6	140.6
77	92.2	71.5	111.5

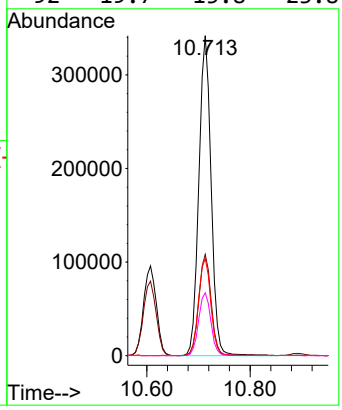




#33
4-Chloroaniline
Concen: 39.605 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:127 Resp: 56187

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	30.3	23.8	35.6
92	19.7	15.8	23.8



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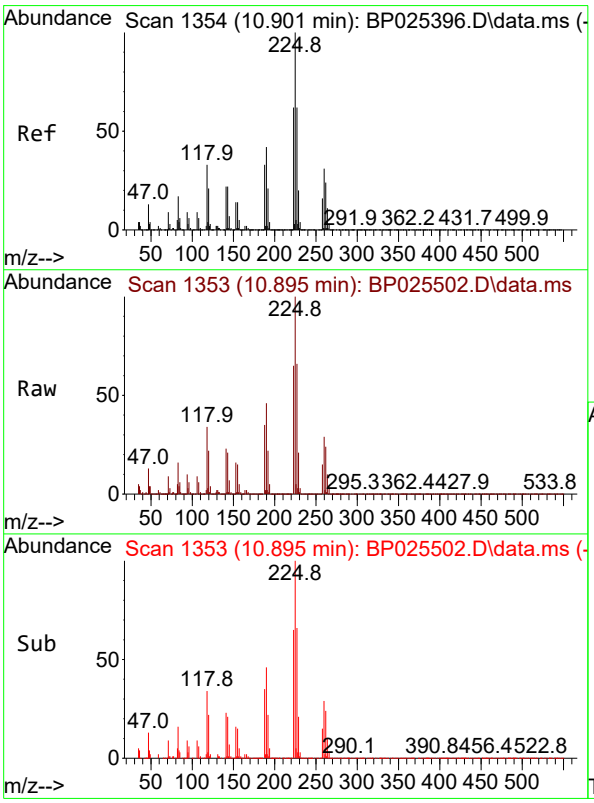
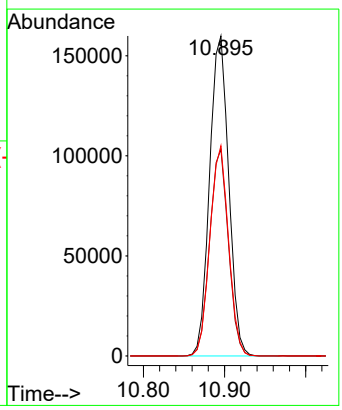
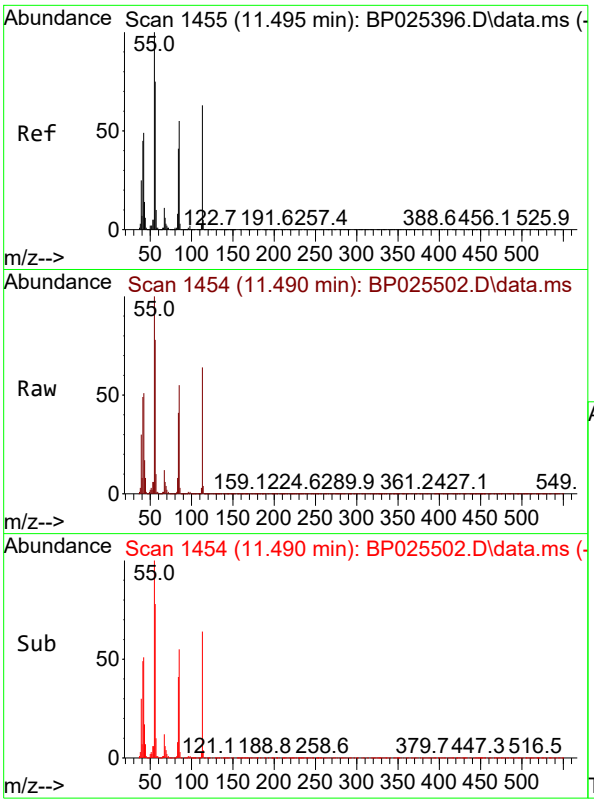


#34
Hexachlorobutadiene
Concen: 39.951 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:225 Resp: 261058

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.0	75.0
227	65.7	49.7	74.5





#35
Caprolactam
Concen: 38.776 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:113 Resp: 13609

Ion	Ratio	Lower	Upper
113	100		
55	156.6	140.0	180.0
56	122.4	100.0	140.0

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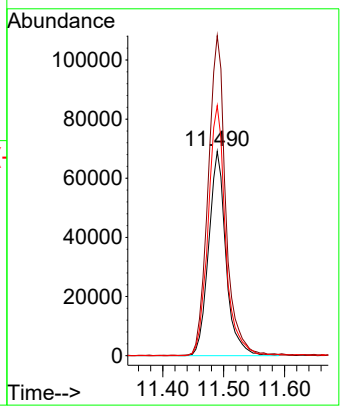
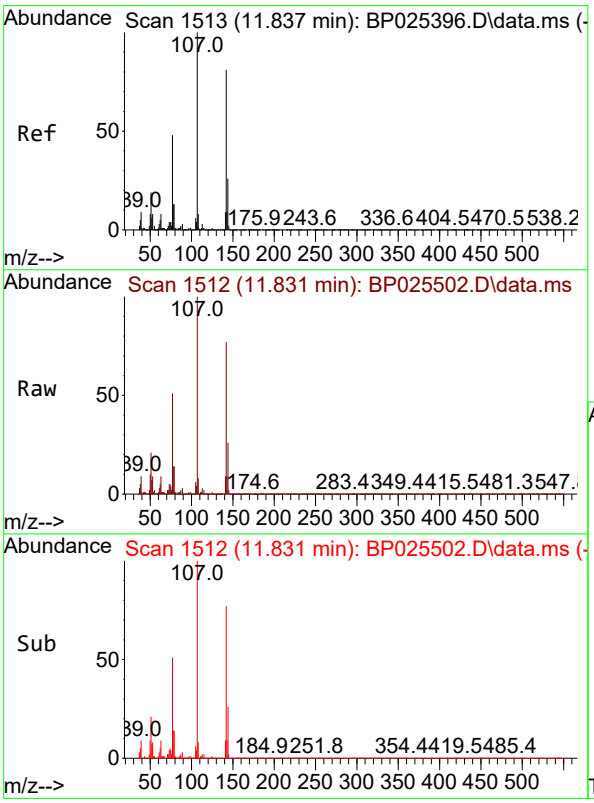
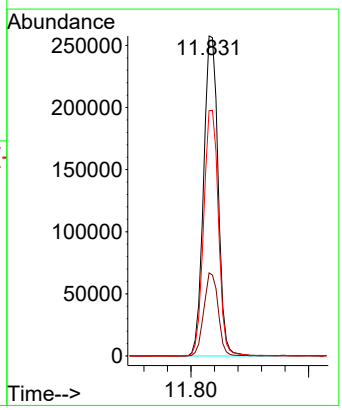


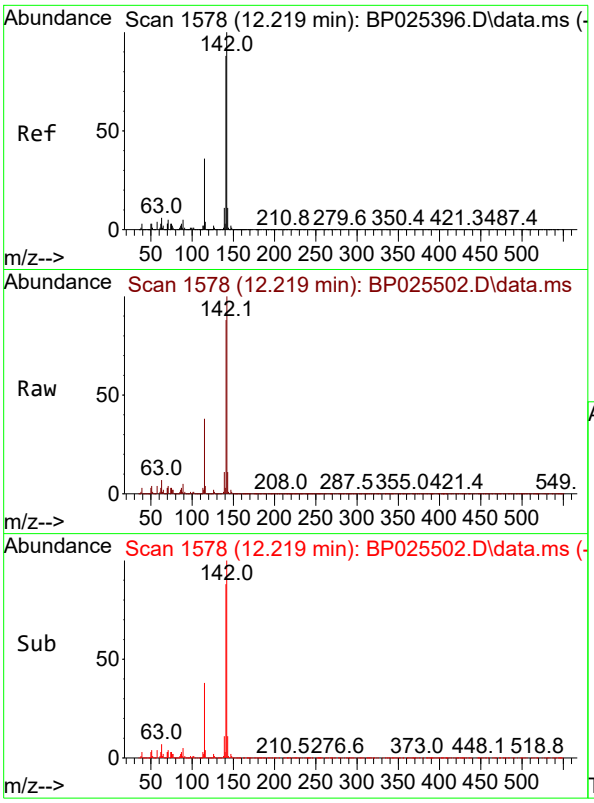


#36
4-Chloro-3-methylphenol
Concen: 40.195 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 441463

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.4
142	76.7	64.6	97.0

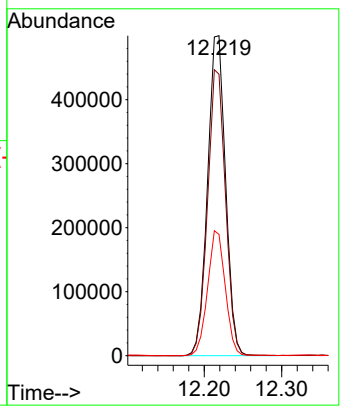




#37
2-Methylnaphthalene
Concen: 38.714 ng
RT: 12.219 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:142 Resp: 80915

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	37.9	28.9	43.3



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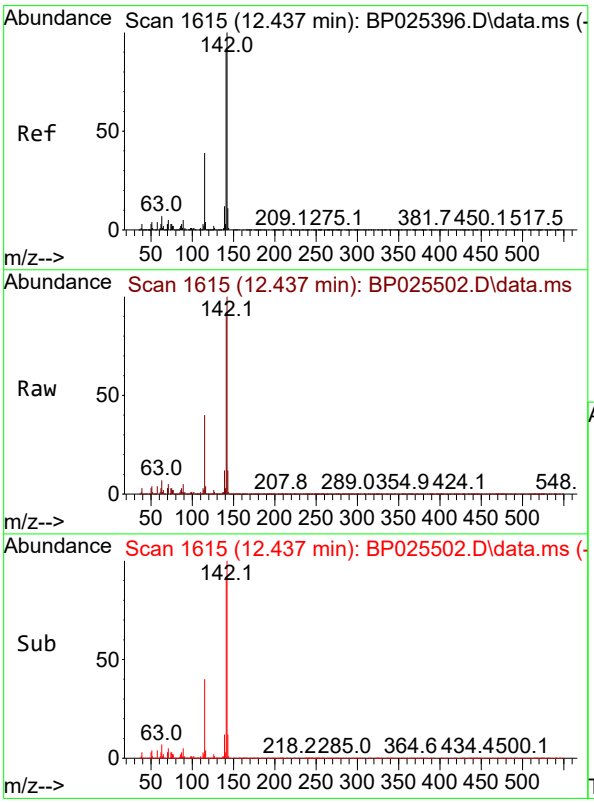
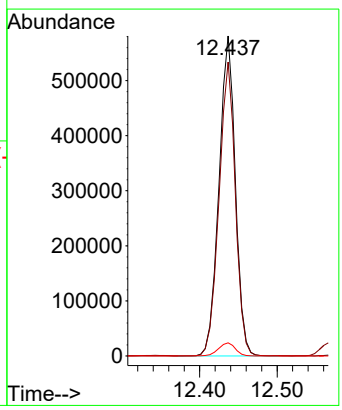
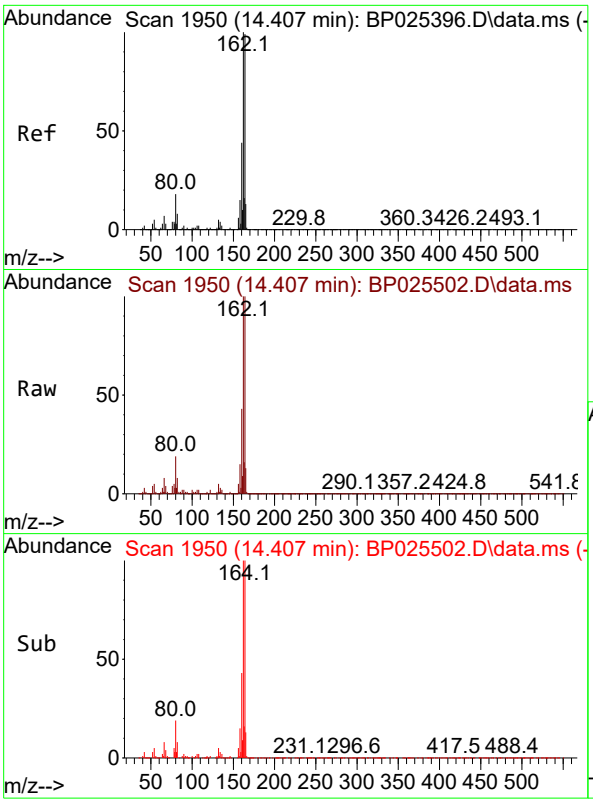


#38
1-Methylnaphthalene
Concen: 38.296 ng
RT: 12.437 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:142 Resp: 851212

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7
116	4.1	3.2	4.8

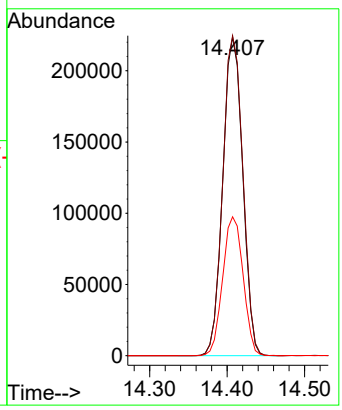




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:164 Resp: 40033

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.6
160	43.6	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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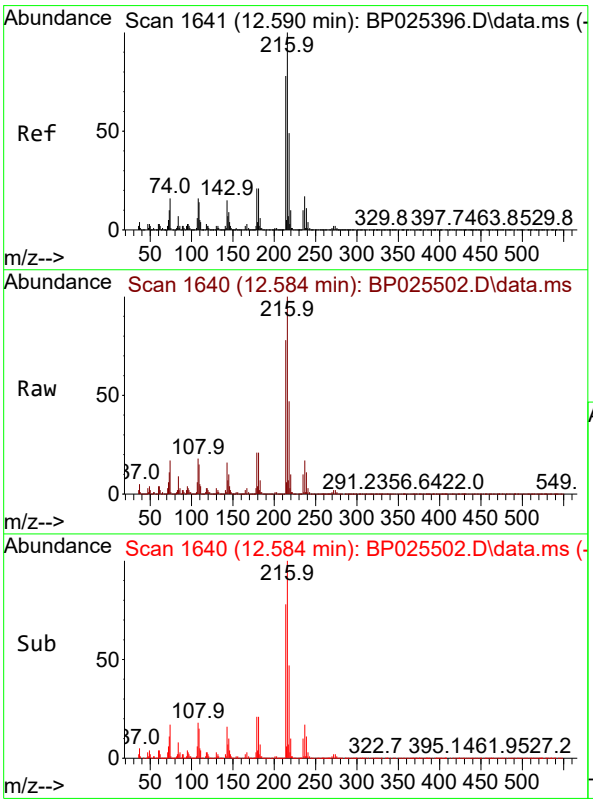
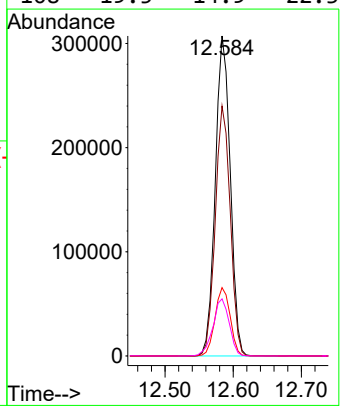
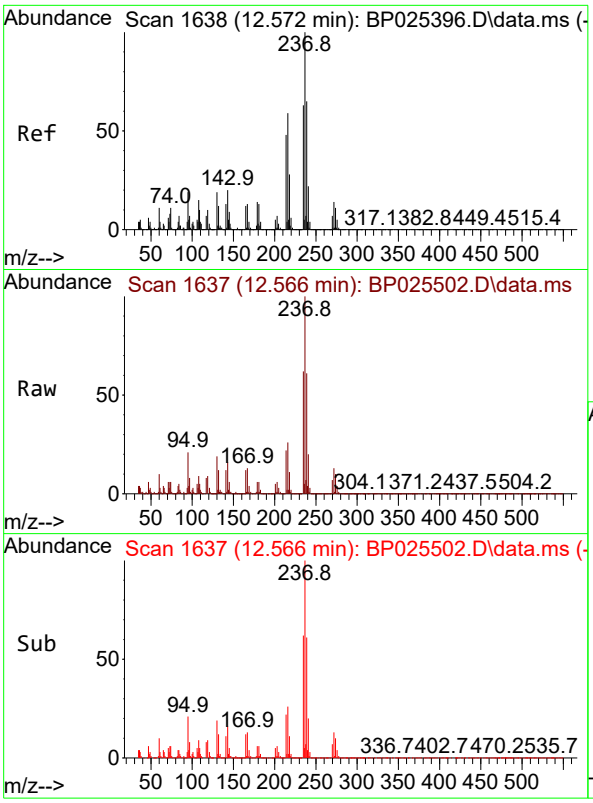


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.579 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:216 Resp: 469176

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.4
179	21.7	17.1	25.7
108	19.5	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 41.746 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:237 Resp: 29155

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.7	82.7
272	12.6	0.0	34.0

Instrument :
BNA_P
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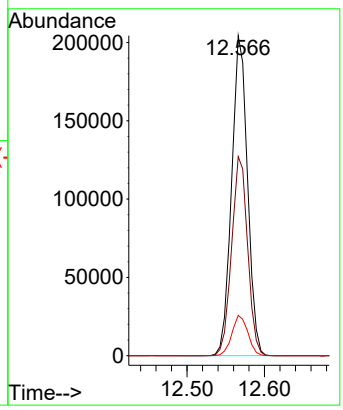
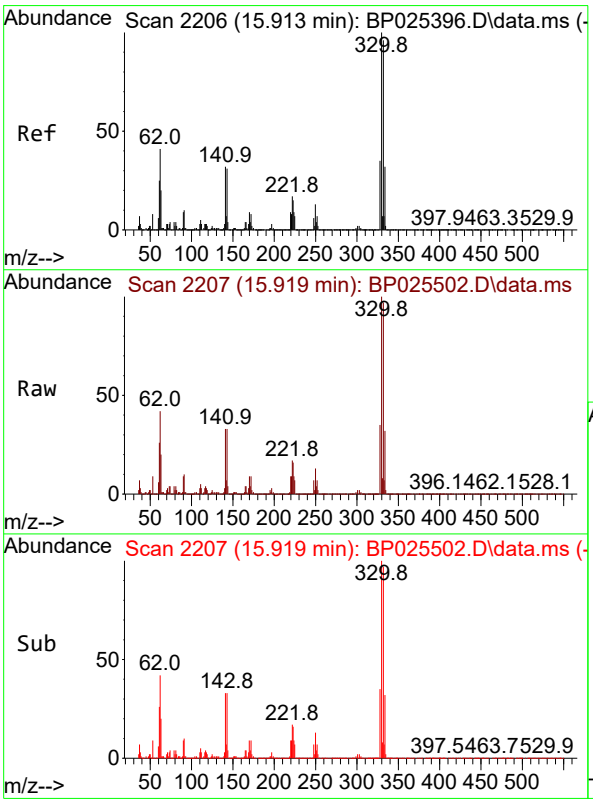
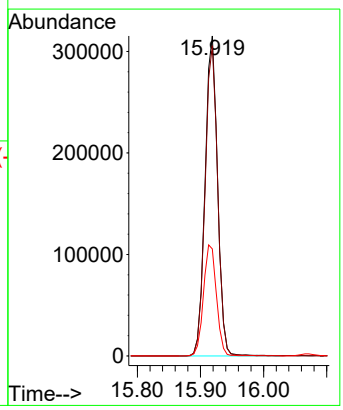


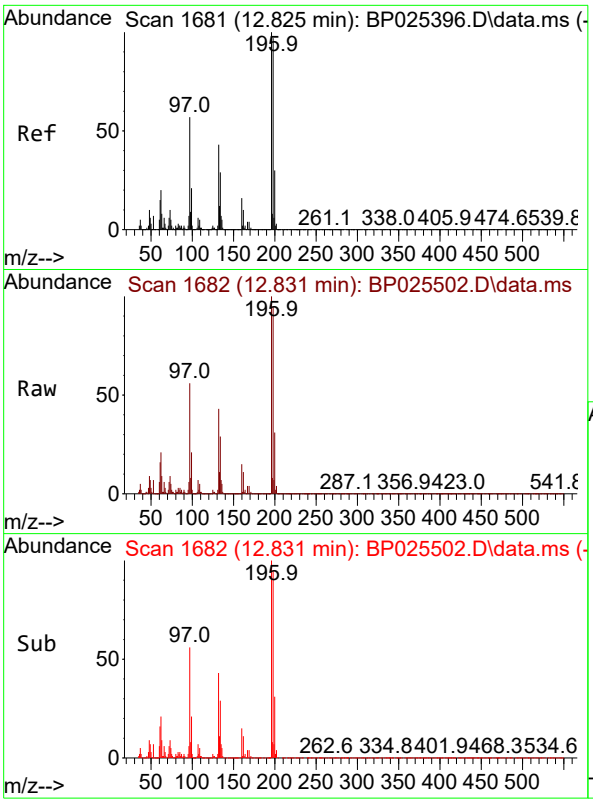


#42
2,4,6-Tribromophenol
Concen: 80.580 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:330 Resp: 434204

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	36.0	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 40.907 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:196 Resp: 31930

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.2	115.8
200	30.6	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
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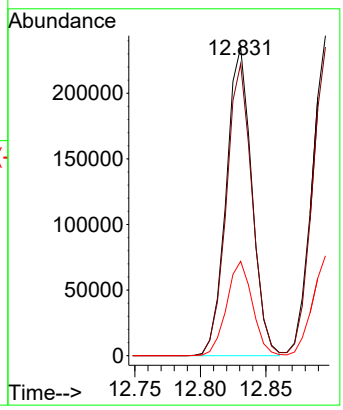
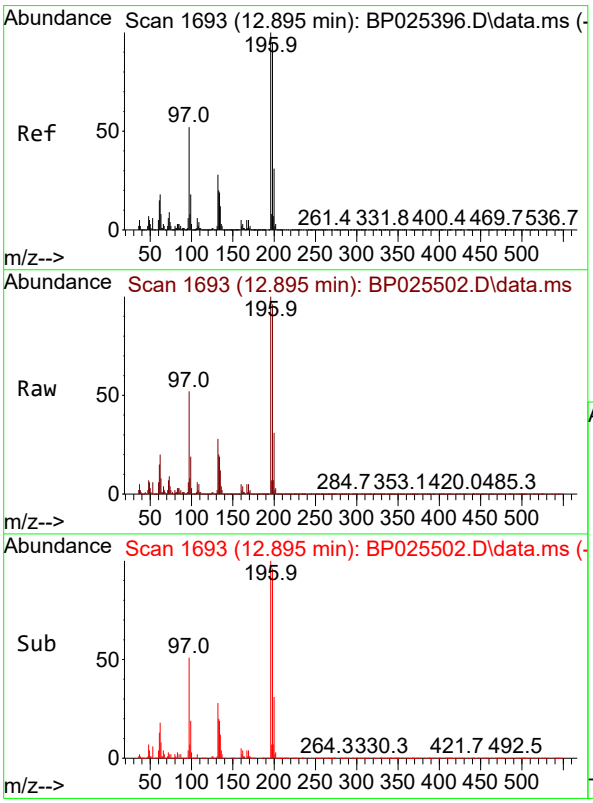
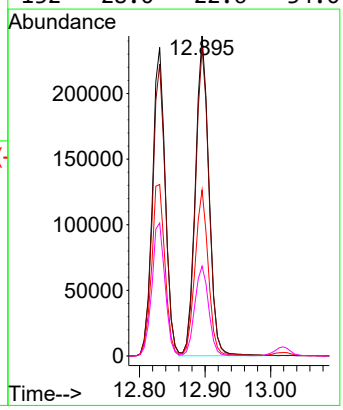


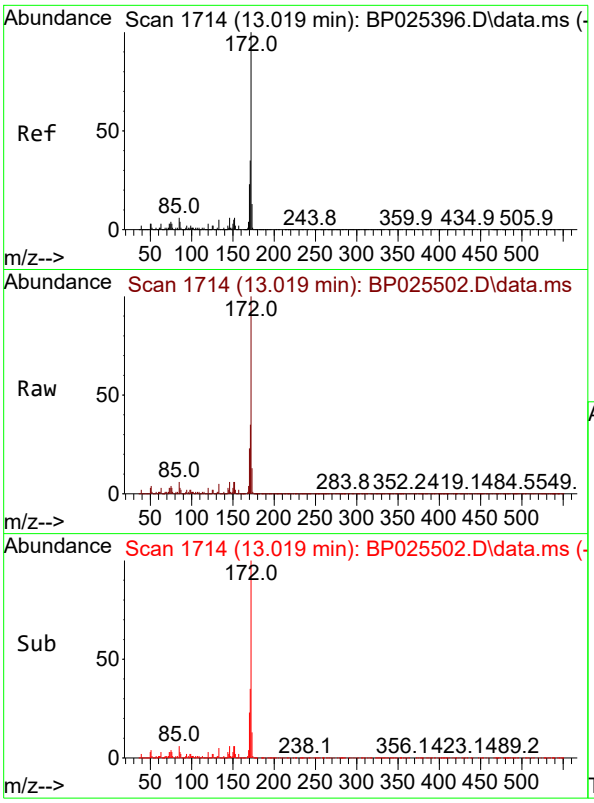


#44
2,4,5-Trichlorophenol
Concen: 41.026 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:196 Resp: 350964

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	51.9	41.2	61.8
132	28.0	22.6	34.0

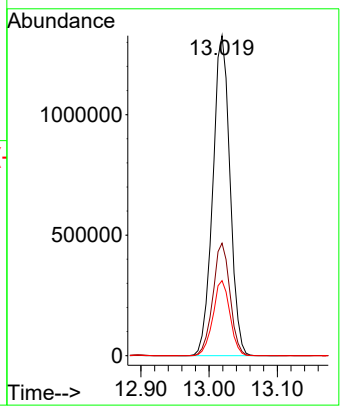




#45
2-Fluorobiphenyl
Concen: 79.531 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:172 Resp: 232962

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.5	18.6	28.0



Instrument :
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ClientSampleId :
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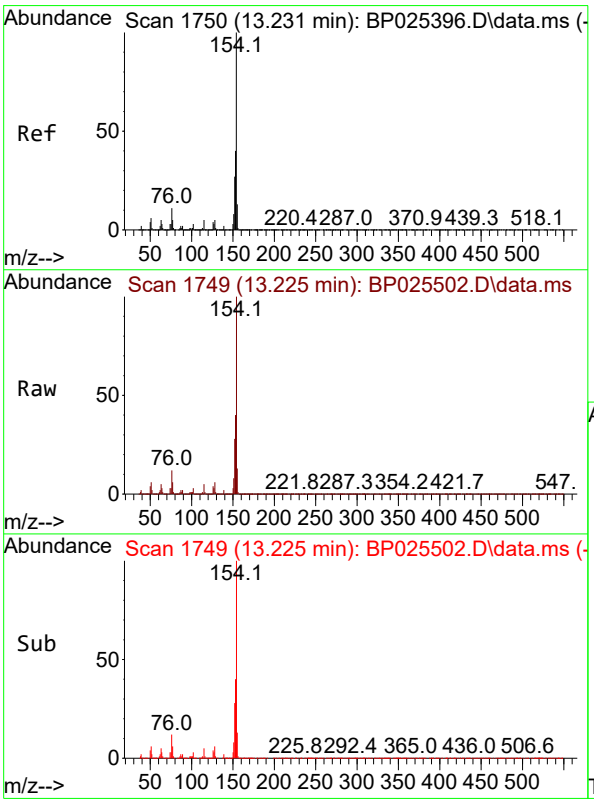
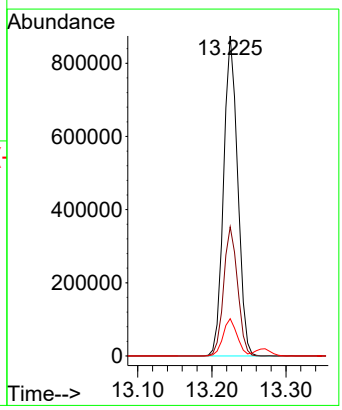
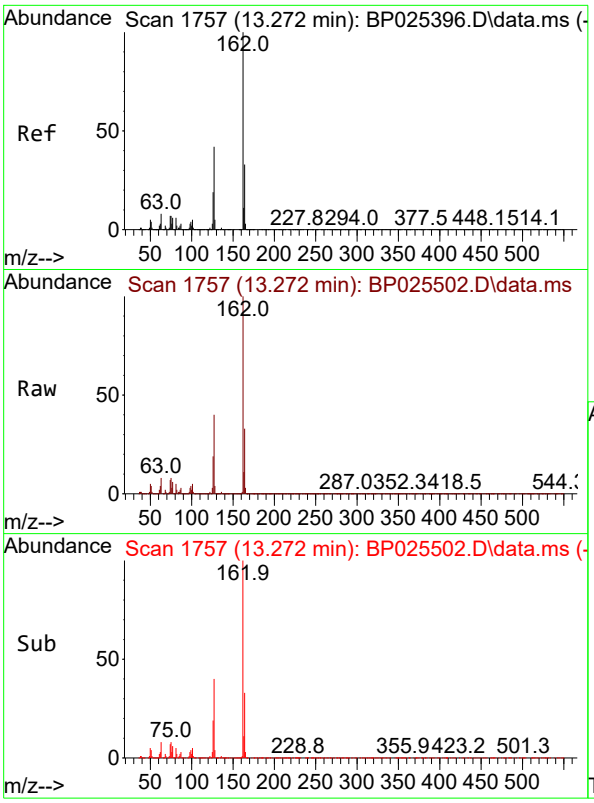


#46
1,1'-Biphenyl
Concen: 39.678 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 1153599

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	11.7	0.0	31.1

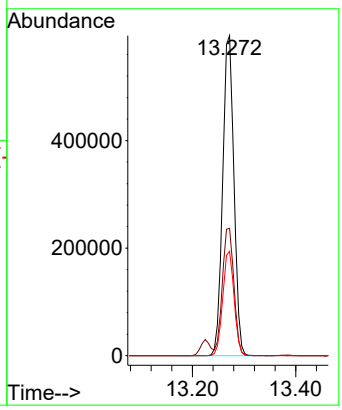




#47
2-Chloronaphthalene
Concen: 39.783 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:162 Resp: 90044

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	32.7	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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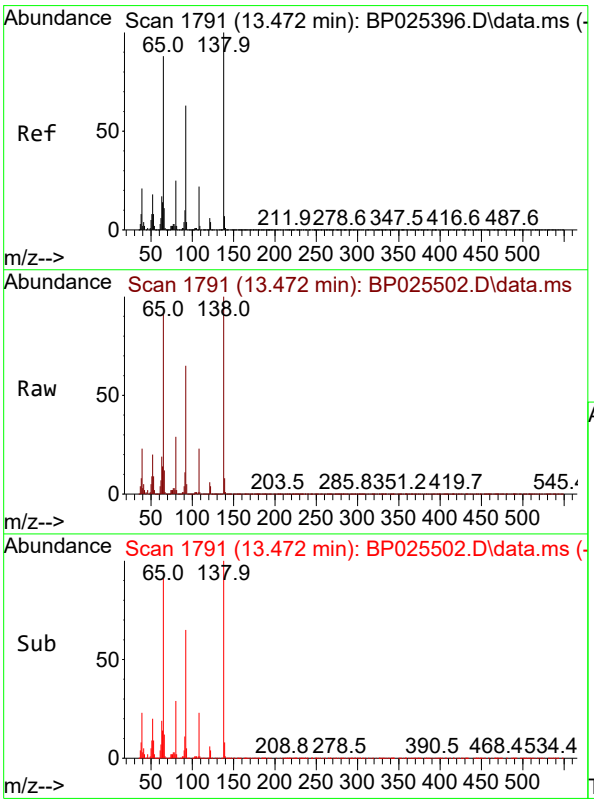
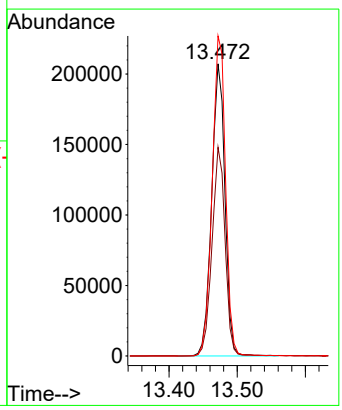
Supervised By :Jagrut Upadhyay 08/21/2025

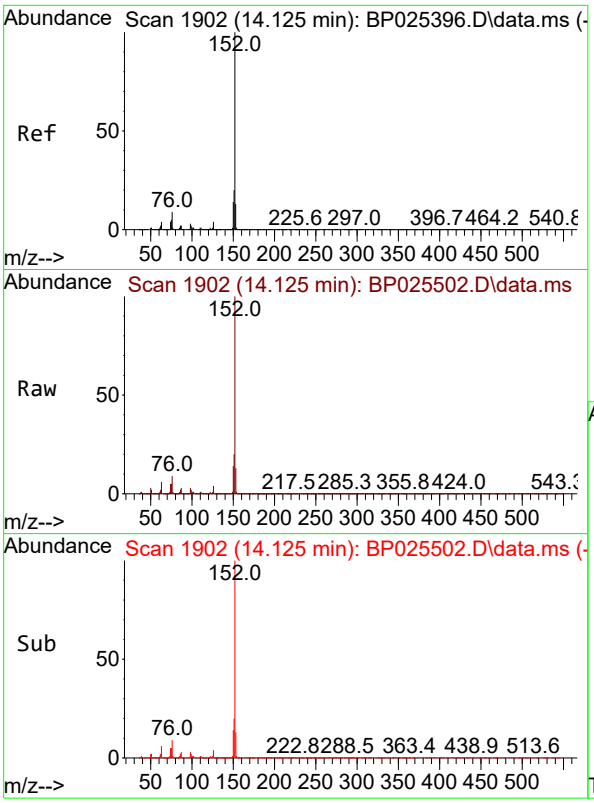


#48
2-Nitroaniline
Concen: 42.727 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 65 Resp: 281785

Ion	Ratio	Lower	Upper
65	100		
92	71.4	57.6	86.4
138	109.5	91.0	136.6

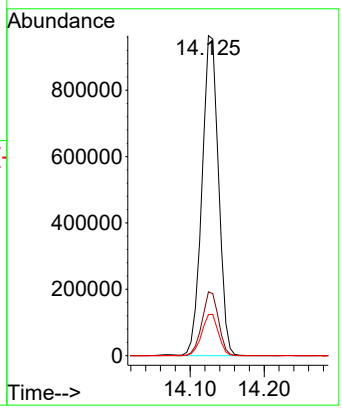




#49
Acenaphthylene
Concen: 39.860 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:152 Resp: 149287

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.8	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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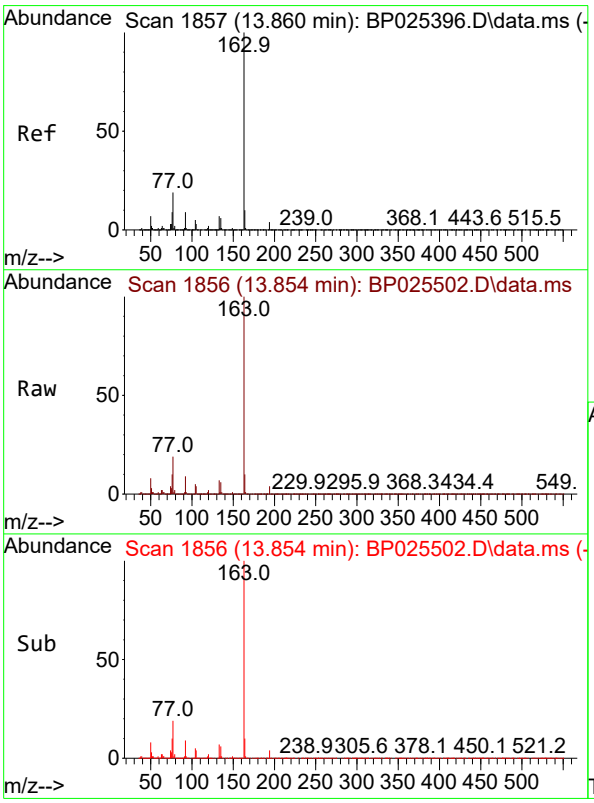
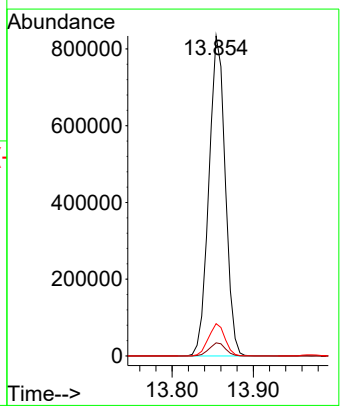
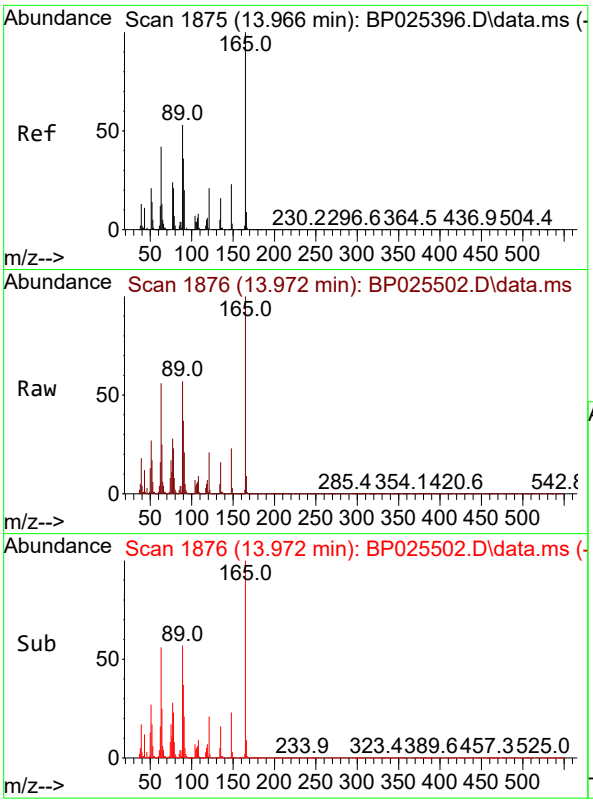


#50
Dimethylphthalate
Concen: 39.744 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:163 Resp: 1165139

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

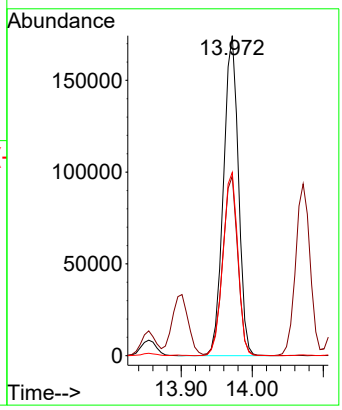




#51
2,6-Dinitrotoluene
Concen: 41.073 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:165 Resp: 25378

Ion	Ratio	Lower	Upper
165	100		
63	56.1	40.9	61.3
89	57.3	42.1	63.1



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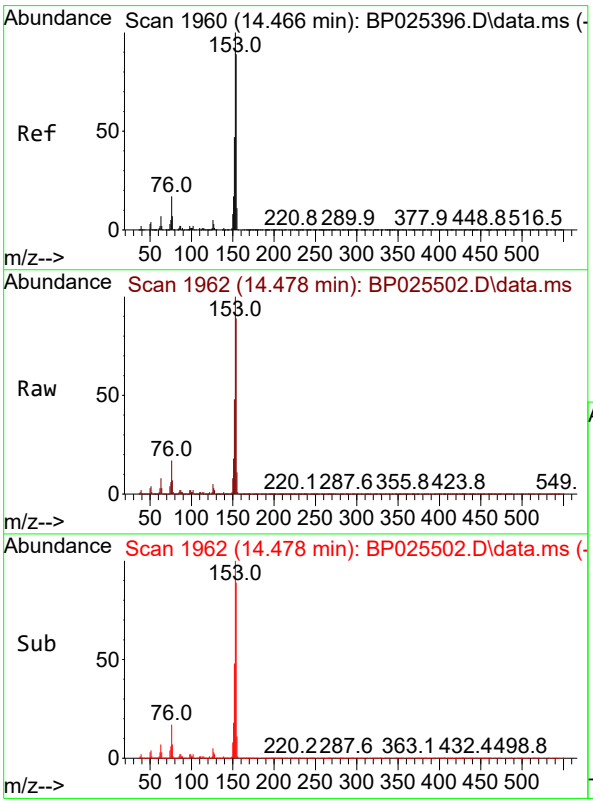
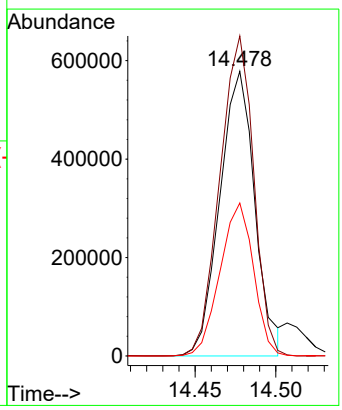
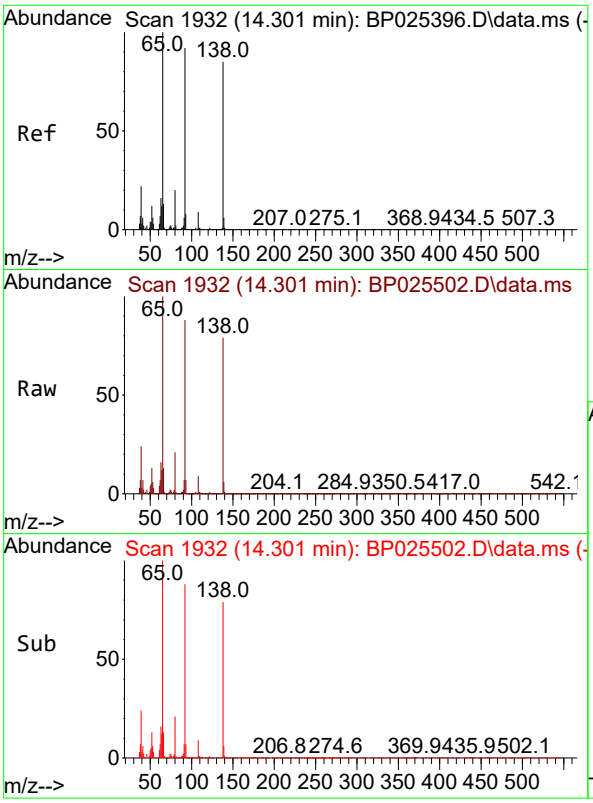


#52
Acenaphthene
Concen: 39.710 ng m
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 872980

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.2	135.2
152	53.8	42.1	63.1





#53
3-Nitroaniline
Concen: 41.043 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:138 Resp: 28532

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.3	12.5
92	110.8	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
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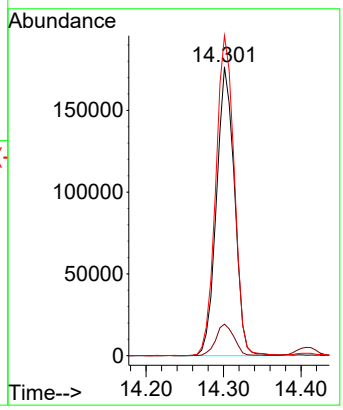
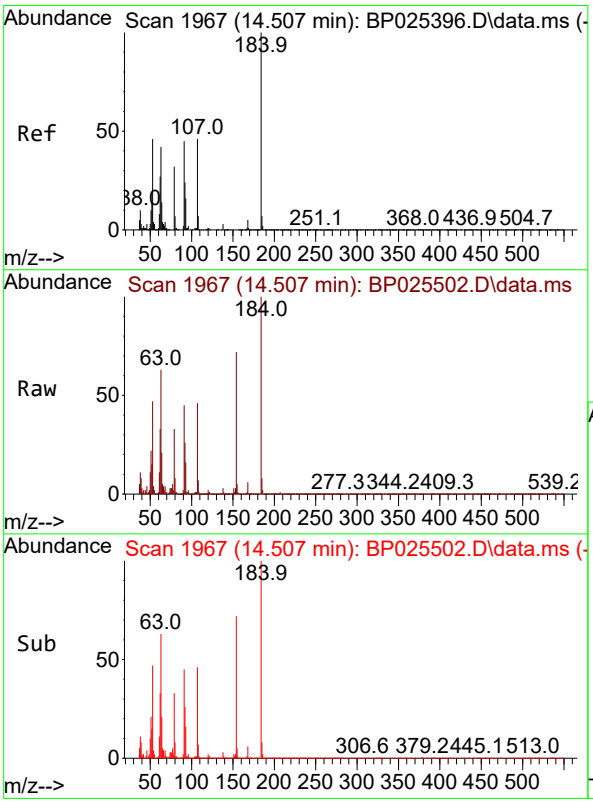
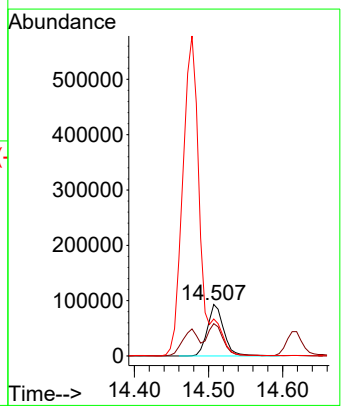


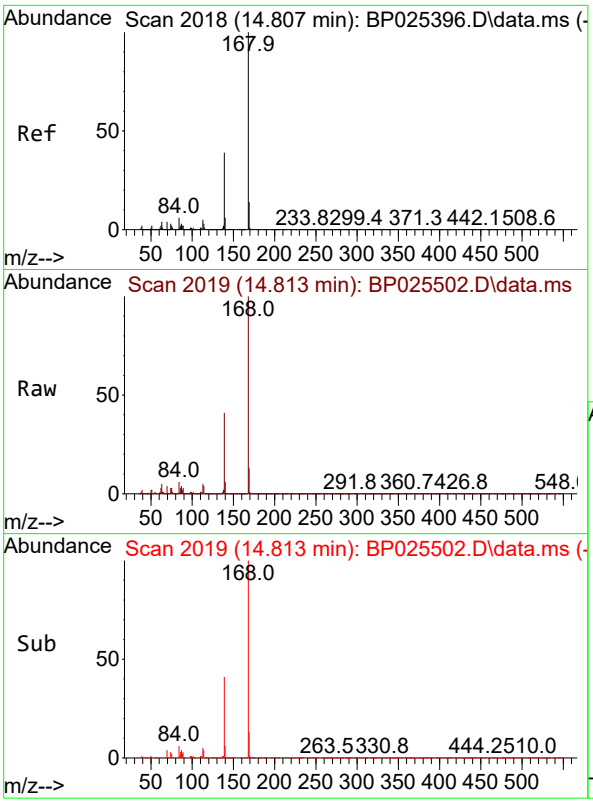


#54
2,4-Dinitrophenol
Concen: 43.128 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:184 Resp: 142309

Ion	Ratio	Lower	Upper
184	100		
63	62.8	49.4	74.2
154	71.8	54.6	82.0

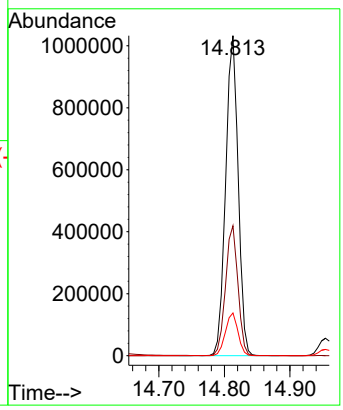




#55
Dibenzofuran
Concen: 39.226 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:168 Resp: 136338

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.5	47.3
169	13.3	10.9	16.3



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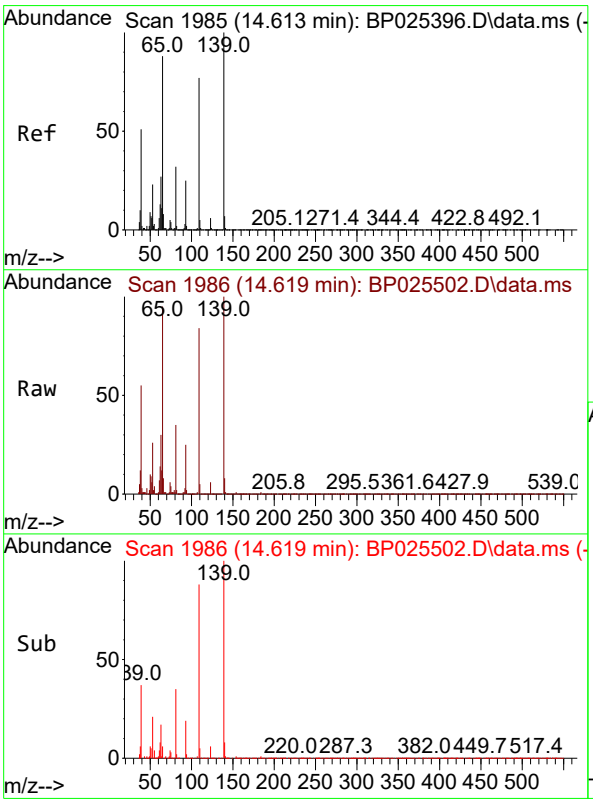
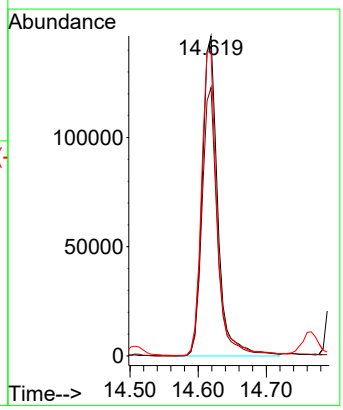
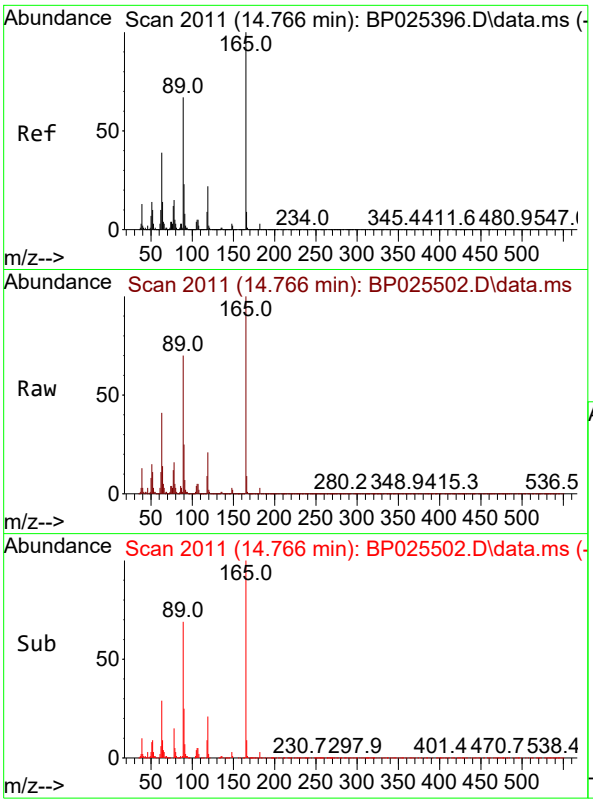


#56
4-Nitrophenol
Concen: 40.538 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:139 Resp: 231578

Ion	Ratio	Lower	Upper
139	100		
109	83.9	56.6	96.6
65	94.5	68.2	108.2

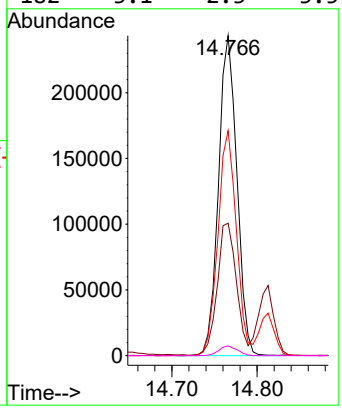




#57
2,4-Dinitrotoluene
Concen: 41.459 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:165 Resp: 36549

Ion	Ratio	Lower	Upper
165	100		
63	41.4	31.4	47.2
89	70.3	53.3	79.9
182	3.1	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
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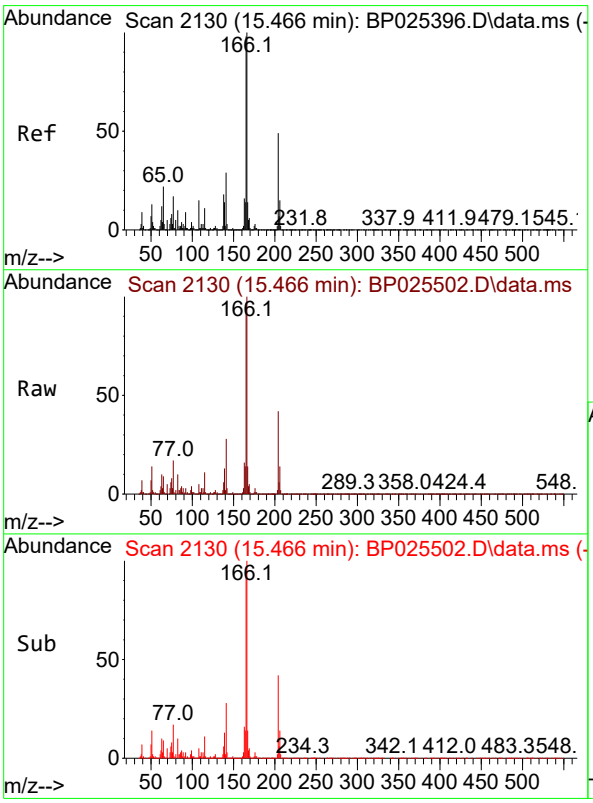
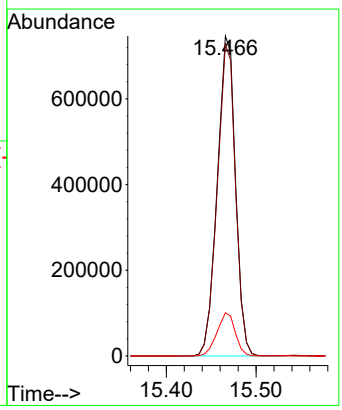
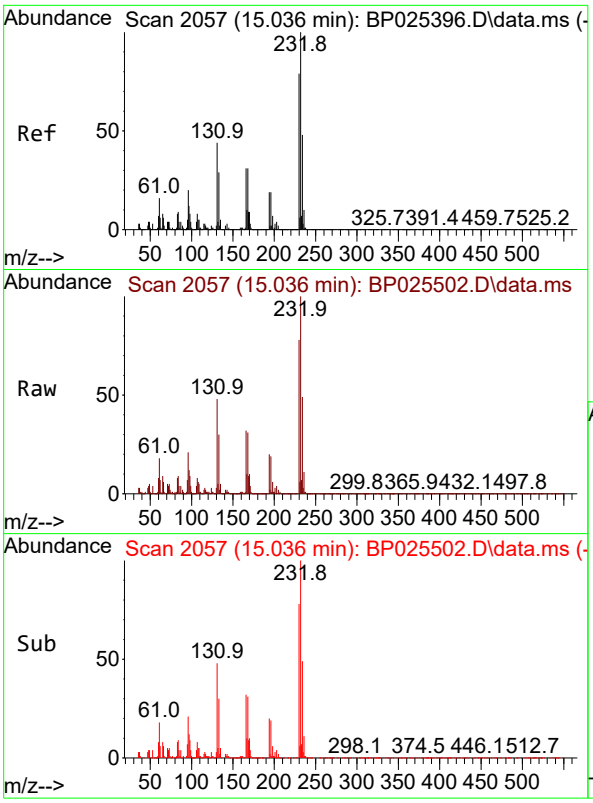


#58
Fluorene
Concen: 38.412 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:166 Resp: 1053490

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.5	11.0	16.4

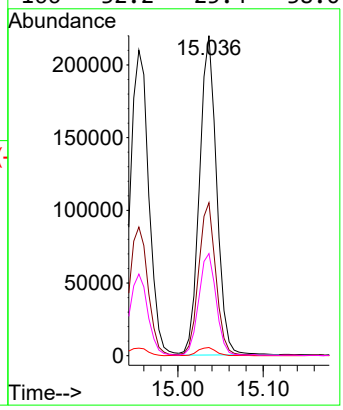




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.574 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:232 Resp: 30648

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.2	25.4	38.0



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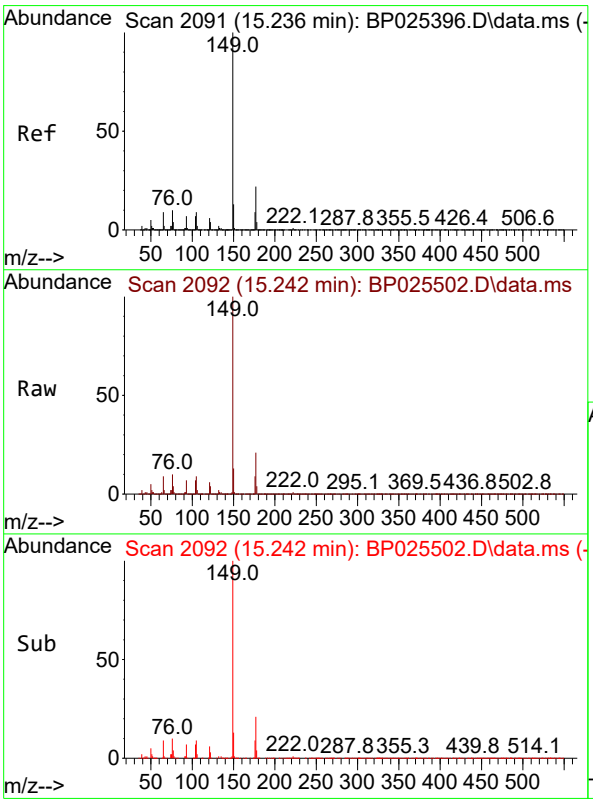
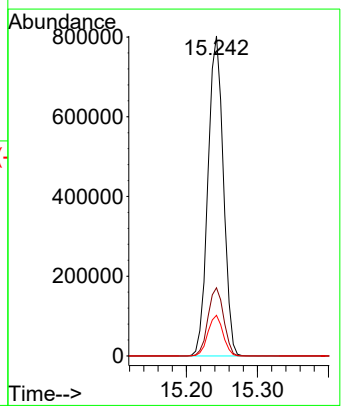
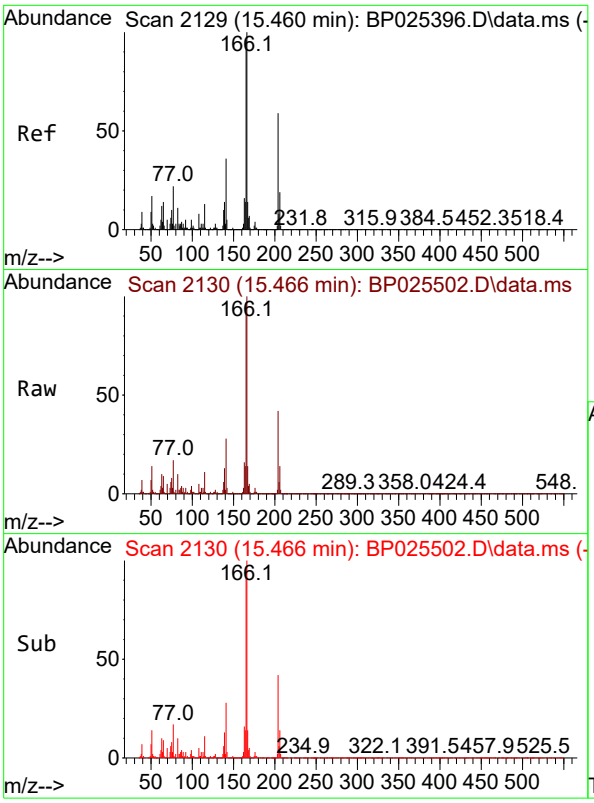


#60
Diethylphthalate
Concen: 40.513 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1206790

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.7	10.3	15.5

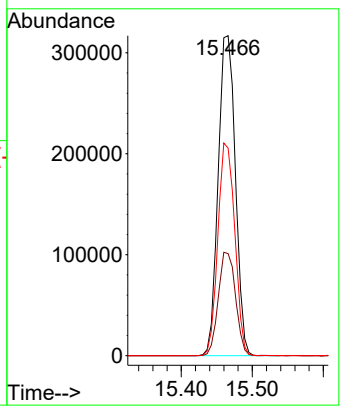




#61
4-Chlorophenyl-phenylether
Concen: 38.934 ng
RT: 15.466 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:204 Resp: 53105

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.8
141	64.8	49.4	74.2



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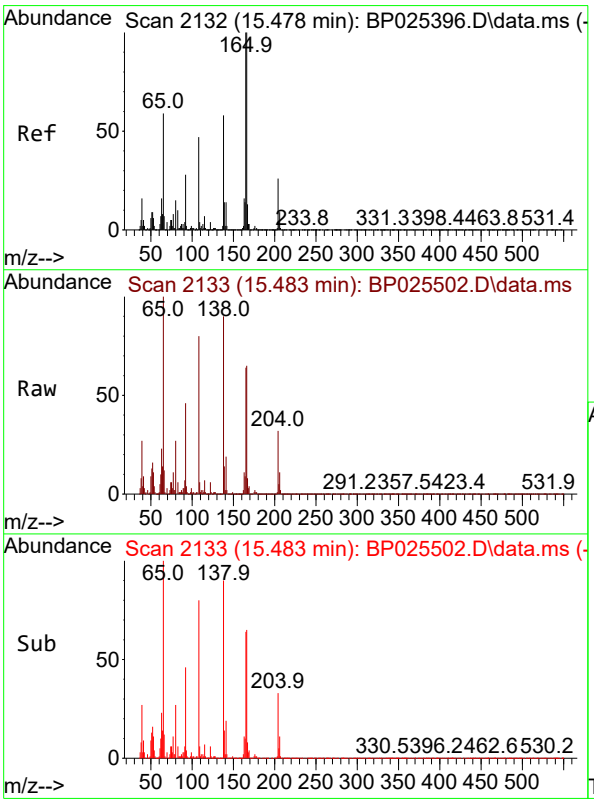
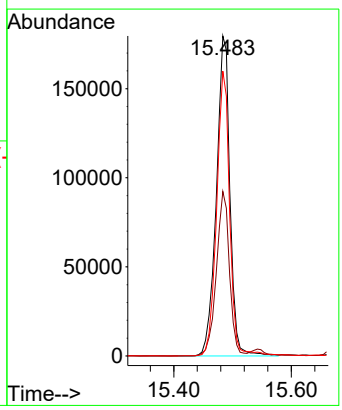
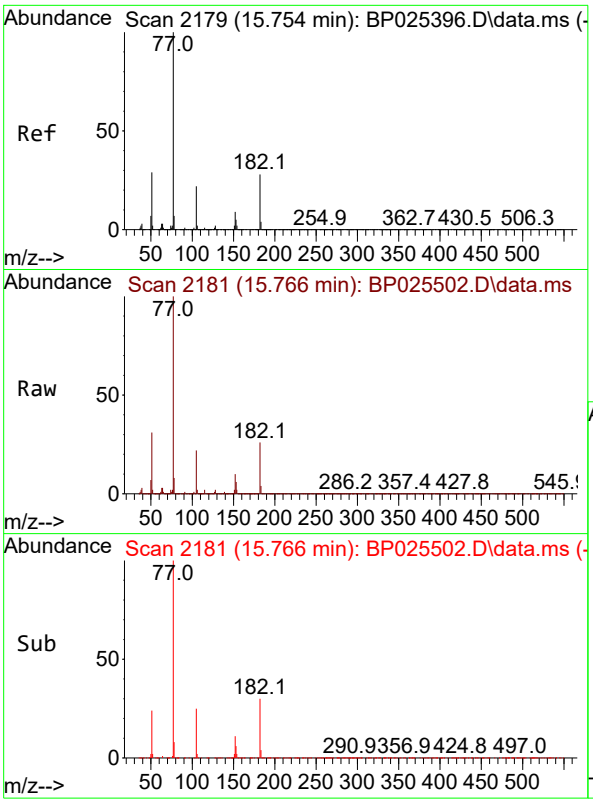


#62
4-Nitroaniline
Concen: 40.530 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:138 Resp: 288849

Ion	Ratio	Lower	Upper
138	100		
92	51.4	29.1	69.1
108	89.0	61.5	101.5

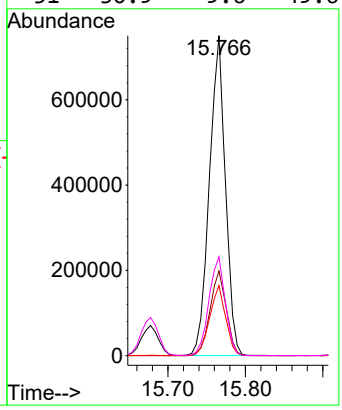




#63
Azobenzene
Concen: 42.199 ng
RT: 15.766 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 77 Resp: 107634

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.9	2.1	42.1
51	30.9	9.6	49.6



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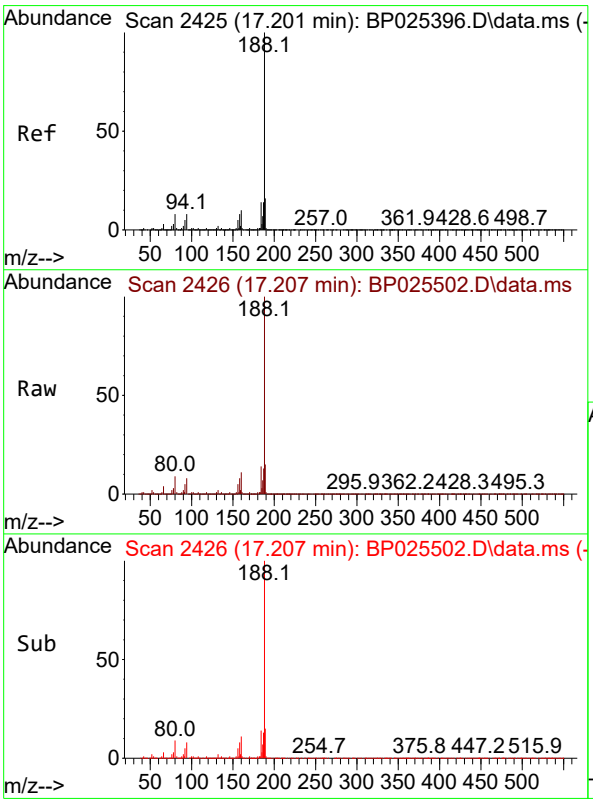
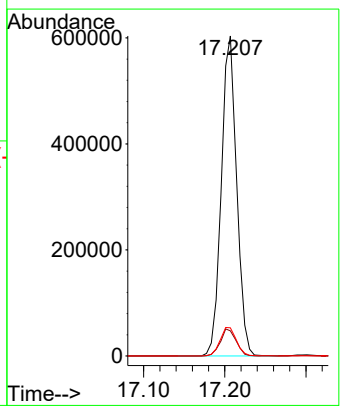
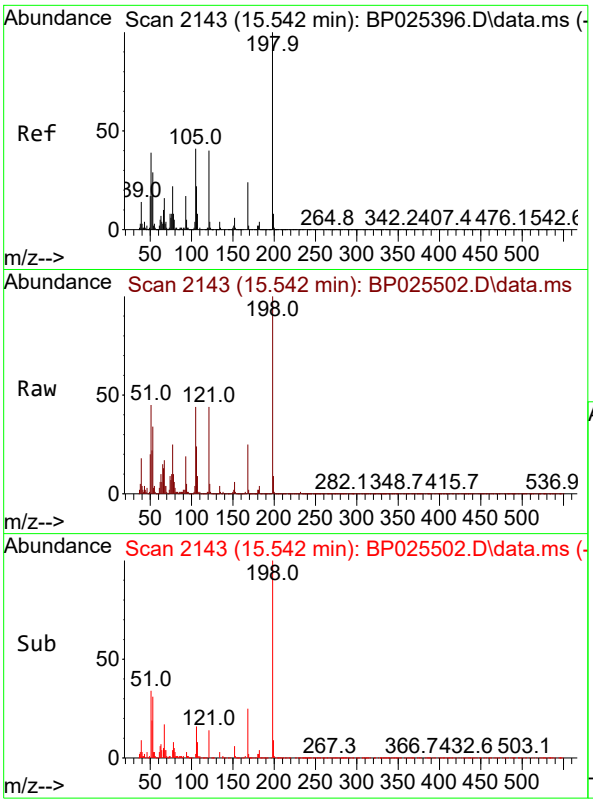


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:188 Resp: 794586

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.8	6.7	10.1

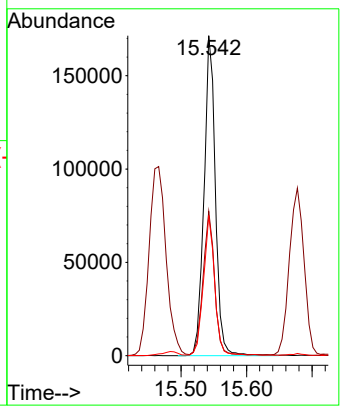




#65
4,6-Dinitro-2-methylphenol
Concen: 41.917 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:198 Resp: 20761

Ion	Ratio	Lower	Upper
198	100		
51	45.1	19.6	59.6
105	43.8	20.9	60.9



Instrument :
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ClientSampleId :
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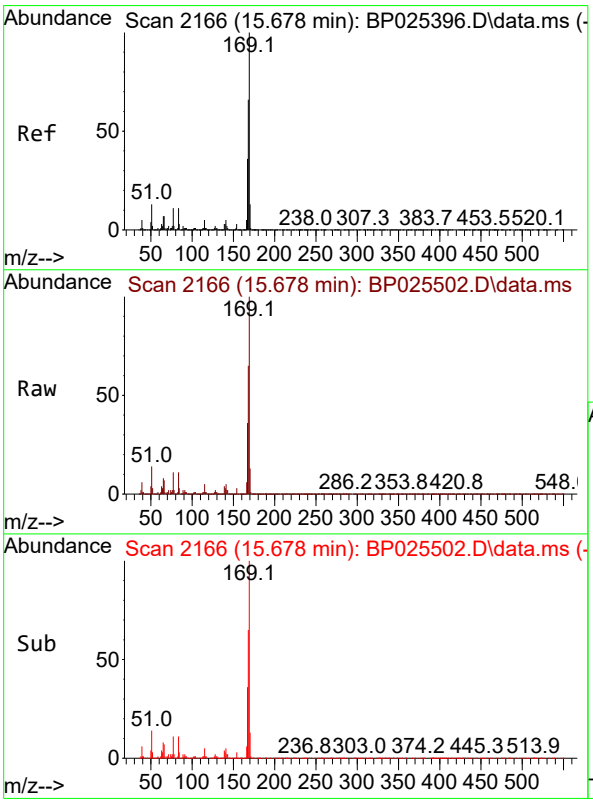
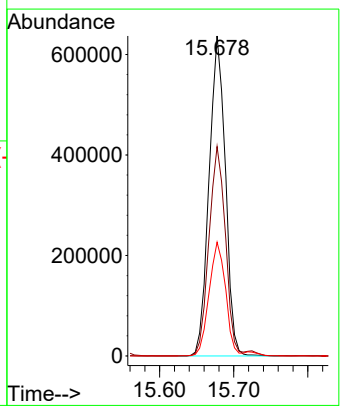
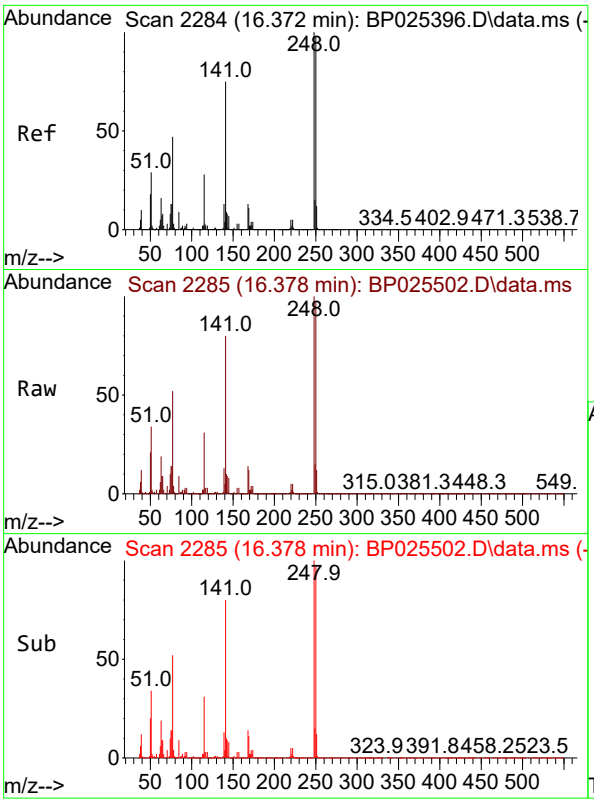


#66
n-Nitrosodiphenylamine
Concen: 40.171 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:169 Resp: 973360

Ion	Ratio	Lower	Upper
169	100		
168	65.4	53.2	79.8
167	35.6	28.7	43.1

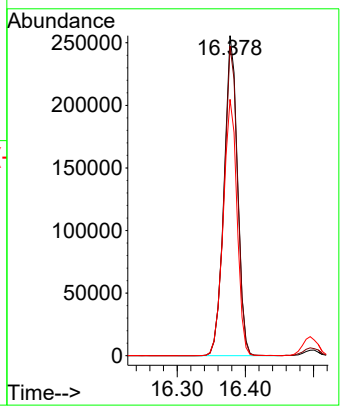




#67
4-Bromophenyl-phenylether
Concen: 40.268 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:248 Resp: 35189

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	80.1	59.6	89.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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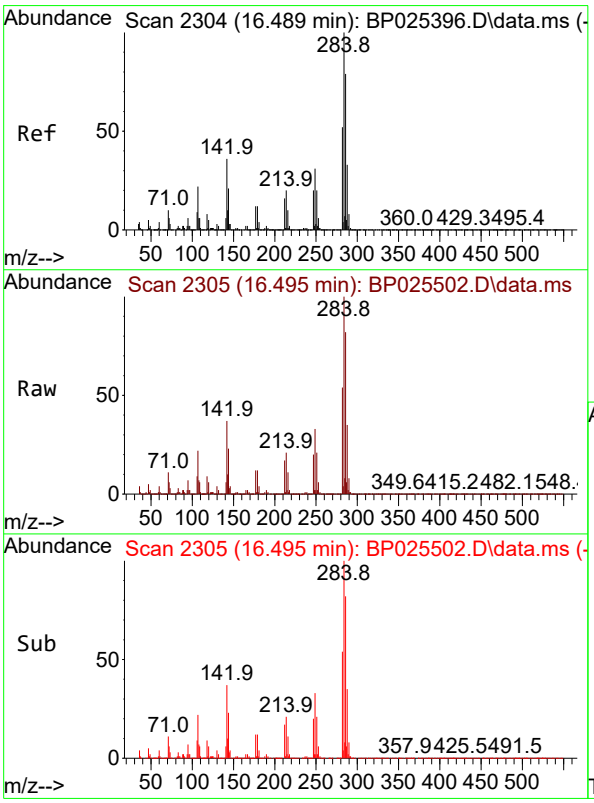
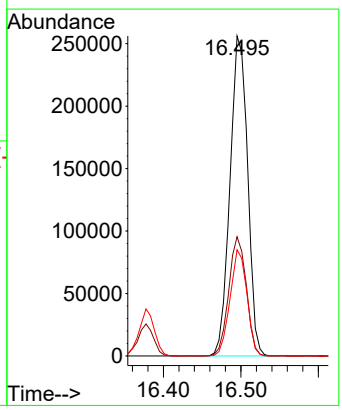
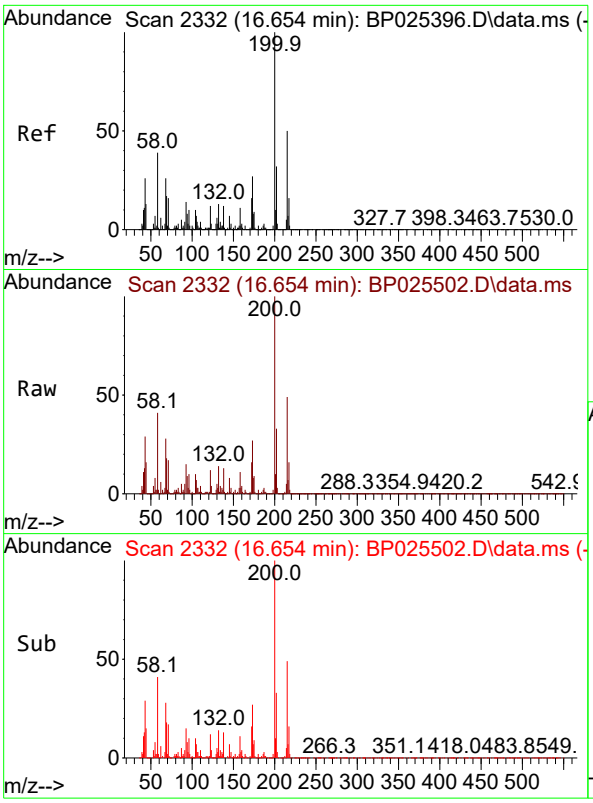


#68
Hexachlorobenzene
Concen: 39.919 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:284 Resp: 404392

Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.1	43.7
249	33.2	25.0	37.4

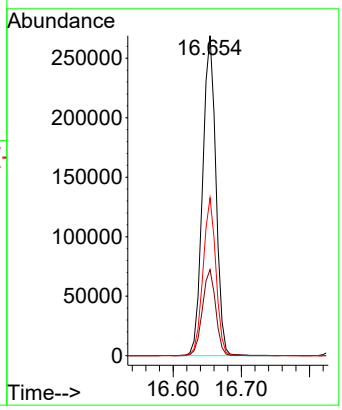




#69
Atrazine
Concen: 40.186 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:200 Resp: 36465

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.7	46.7
215	49.3	29.7	69.7



Instrument :
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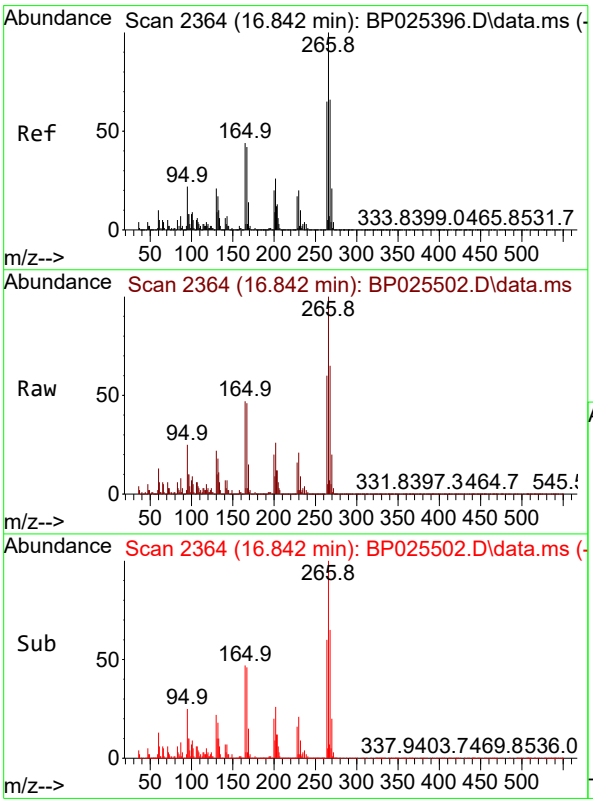
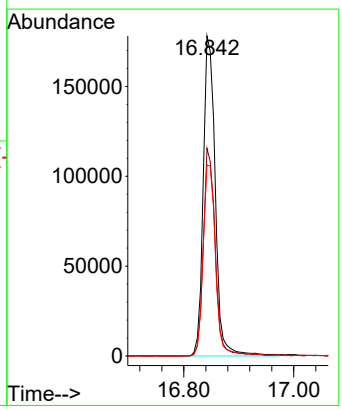
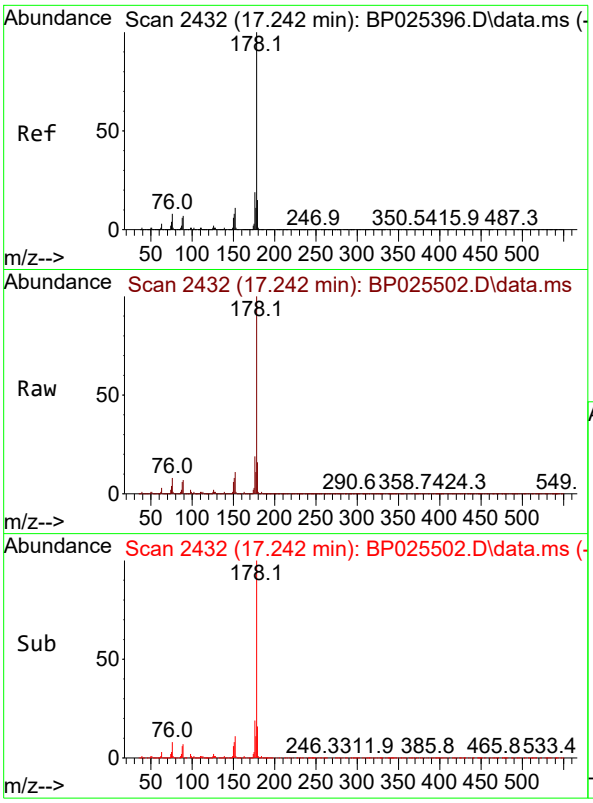


#70
Pentachlorophenol
Concen: 42.449 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:266 Resp: 271451

Ion	Ratio	Lower	Upper
266	100		
268	64.9	52.6	79.0
264	59.7	52.0	78.0

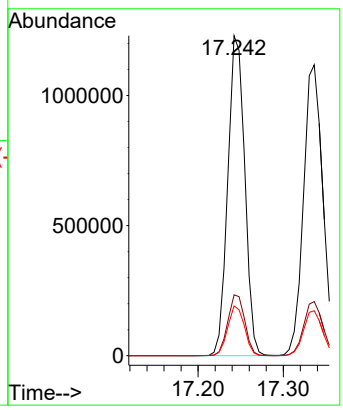




#71
Phenanthrene
Concen: 39.064 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:178 Resp: 170512

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.6	12.2	18.4



Instrument :
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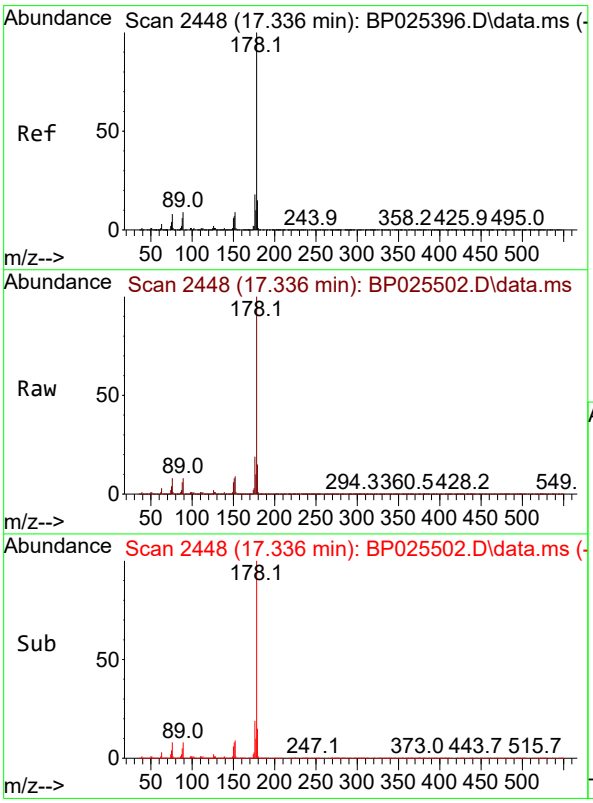
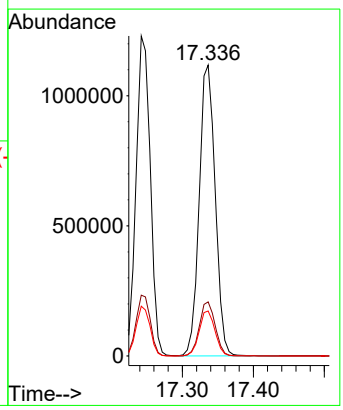
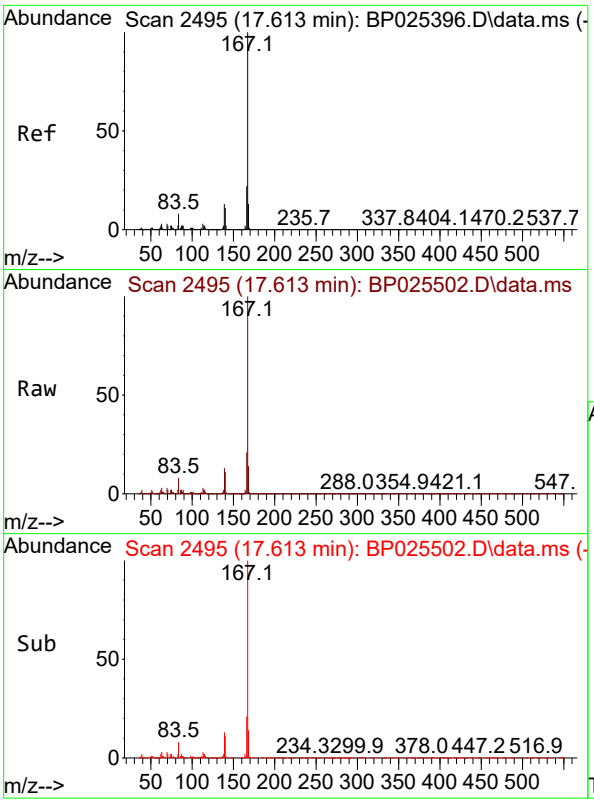


#72
Anthracene
Concen: 39.365 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:178 Resp: 1754702

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.2	18.2

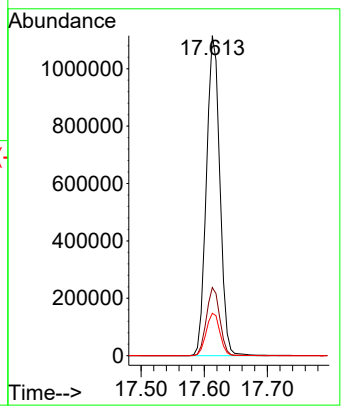




#73
Carbazole
Concen: 39.300 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:167 Resp: 165003

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.3	10.6	16.0



Instrument :
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ClientSampleId :
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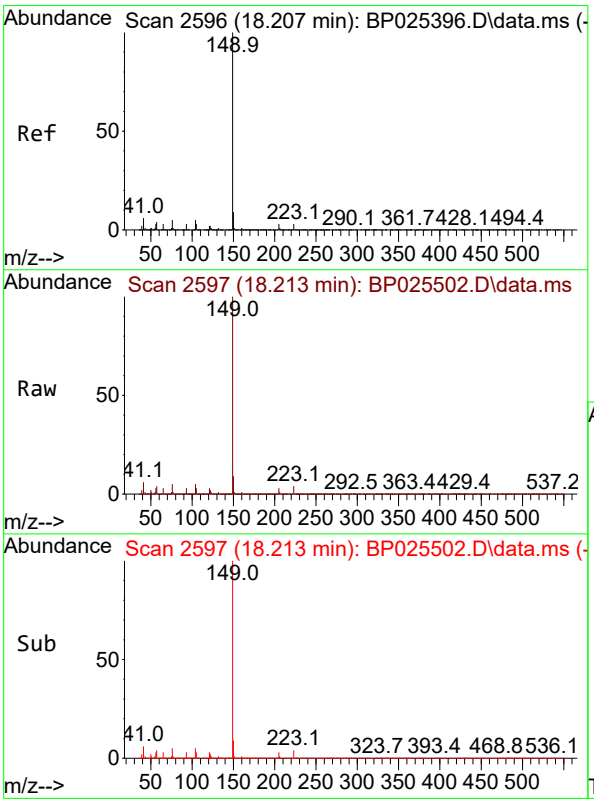
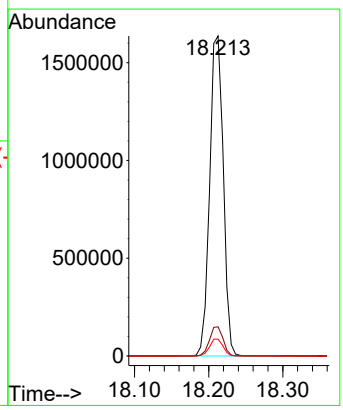
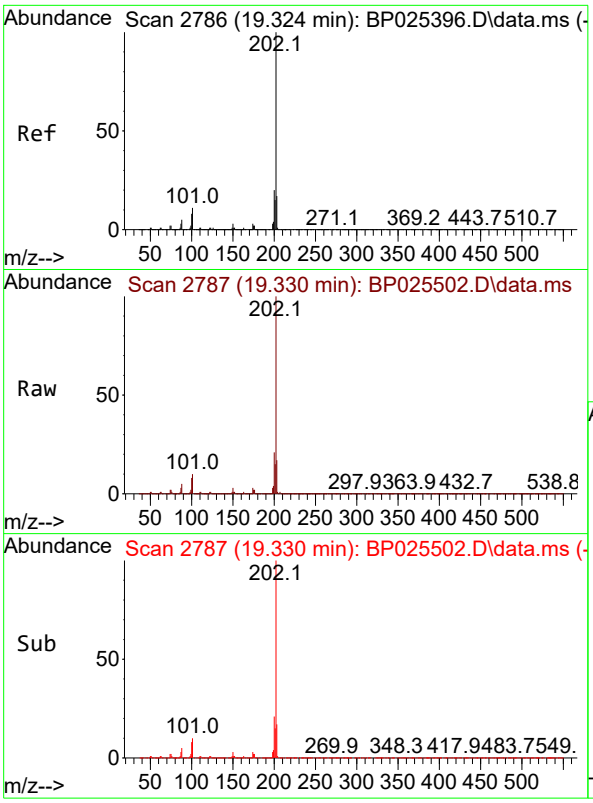


#74
Di-n-butylphthalate
Concen: 40.373 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 2085492

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2

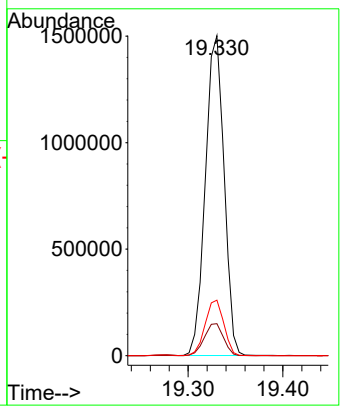




#75
Fluoranthene
Concen: 39.528 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:202 Resp: 205806

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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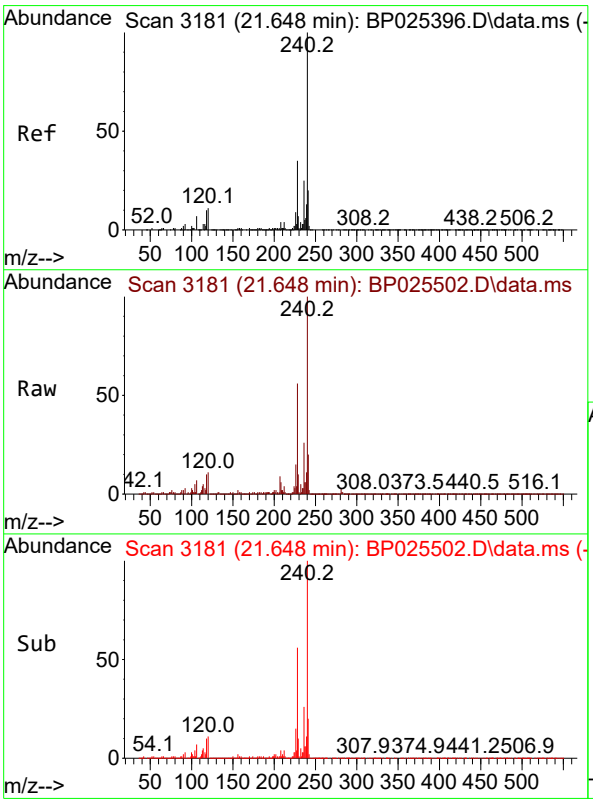
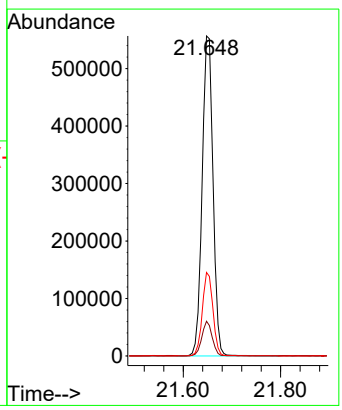
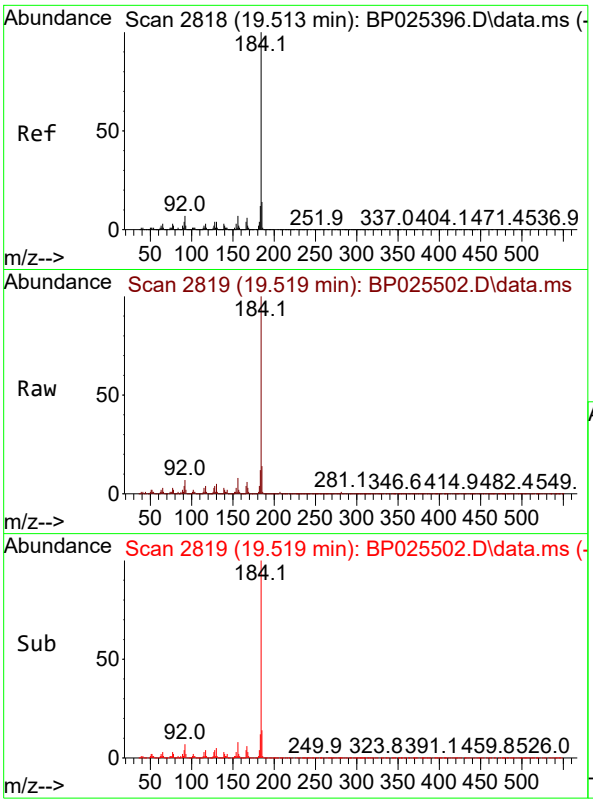


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:240 Resp: 859938

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.1	19.8	29.8

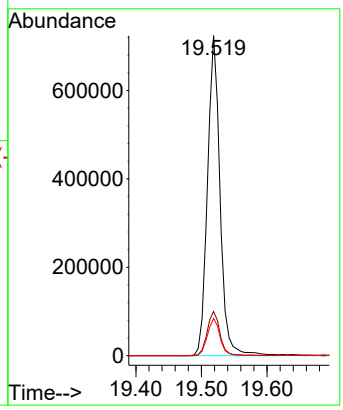




#77
Benzidine
Concen: 32.893 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:184 Resp: 96534

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.6	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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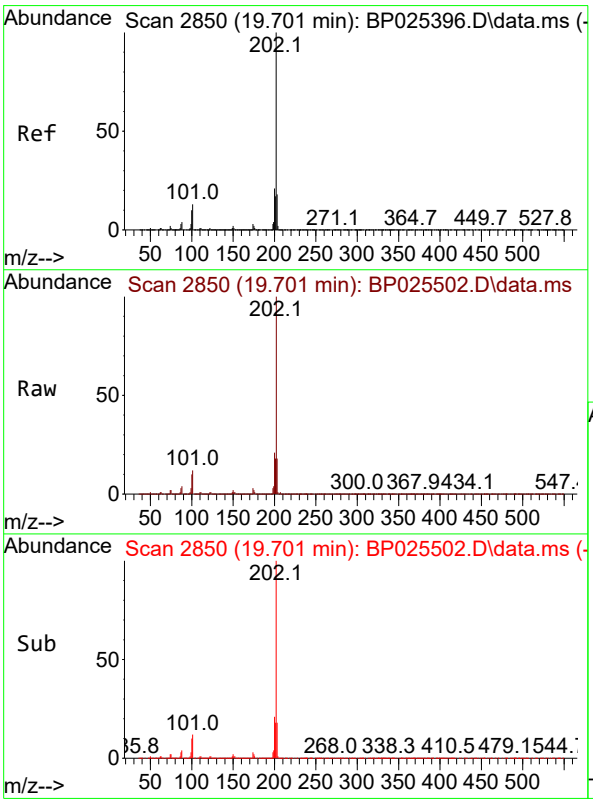
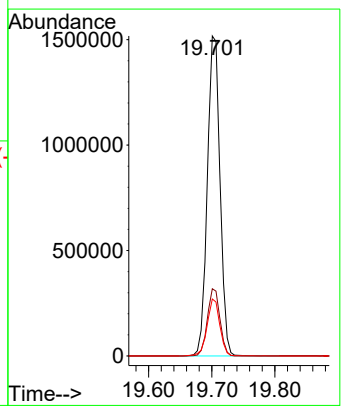
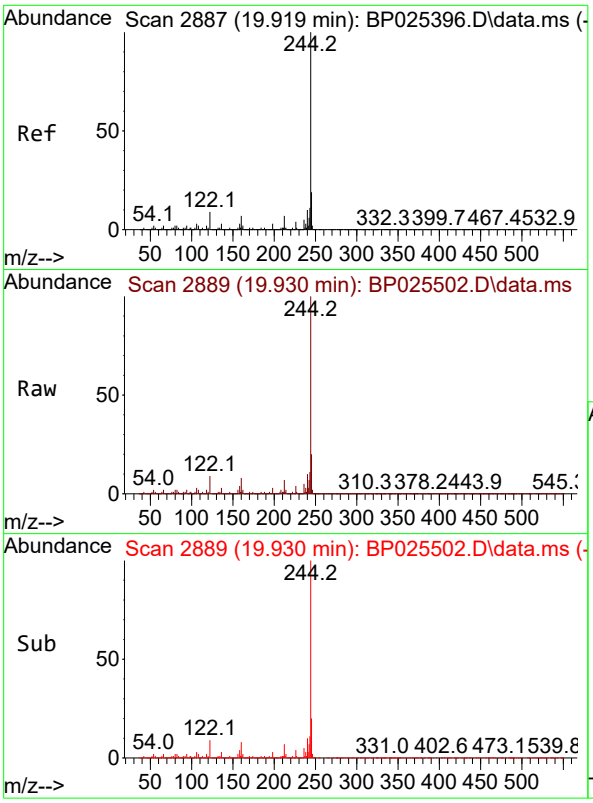


#78
Pyrene
Concen: 37.983 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:202 Resp: 2123016

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	14.2	21.2

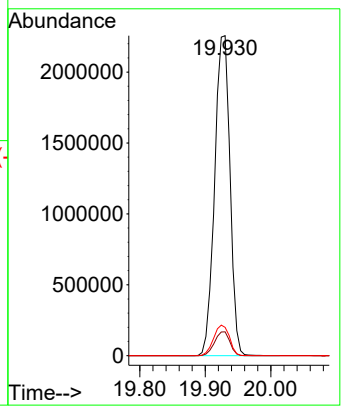




#79
Terphenyl-d14
Concen: 77.772 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:244 Resp: 365545

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.9	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
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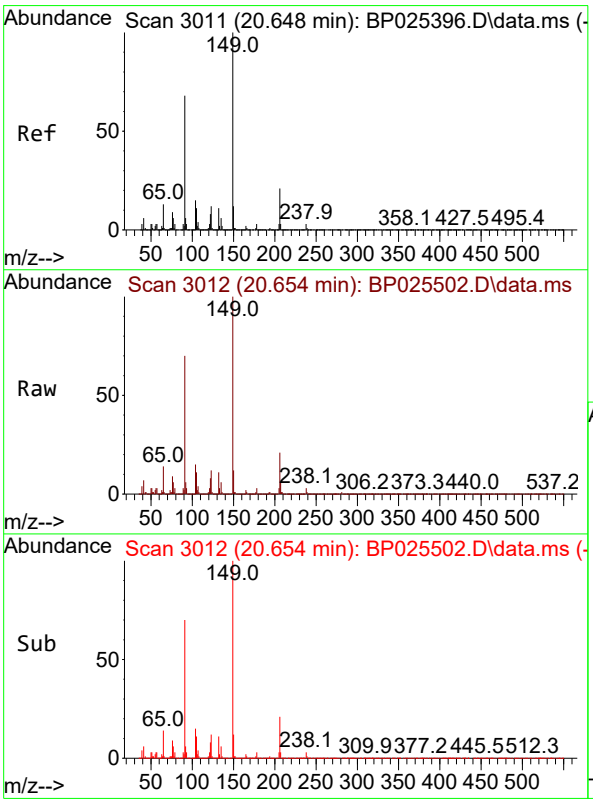
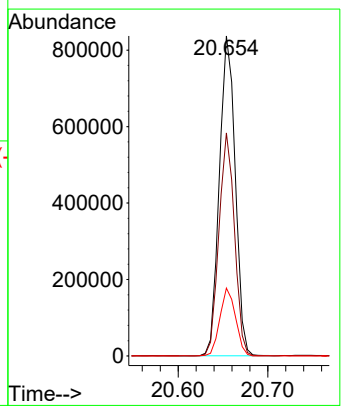
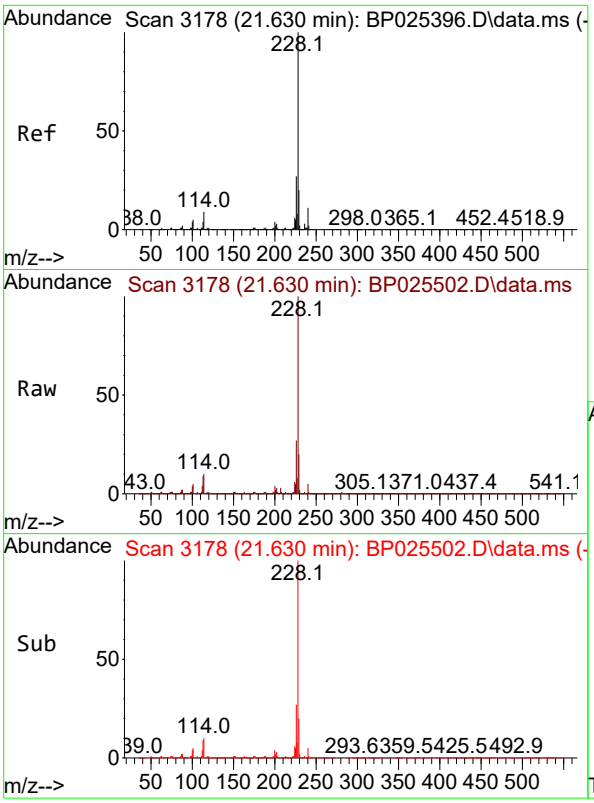


#80
Butylbenzylphthalate
Concen: 40.617 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1028893

Ion	Ratio	Lower	Upper
149	100		
91	69.7	54.2	81.2
206	21.2	16.6	24.8

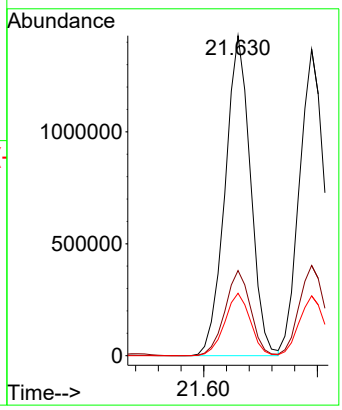




#81
Benzo(a)anthracene
Concen: 39.128 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:228 Resp: 221909

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
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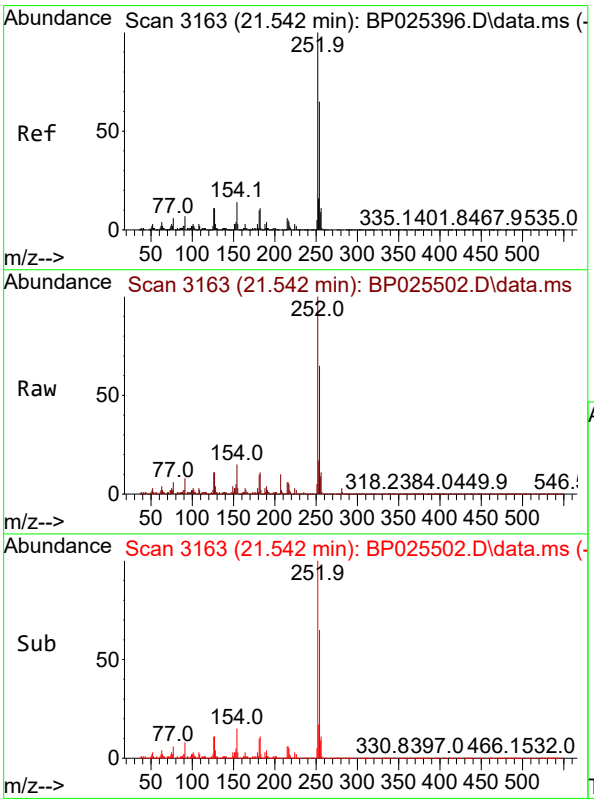
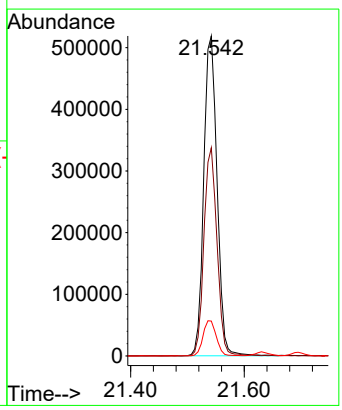
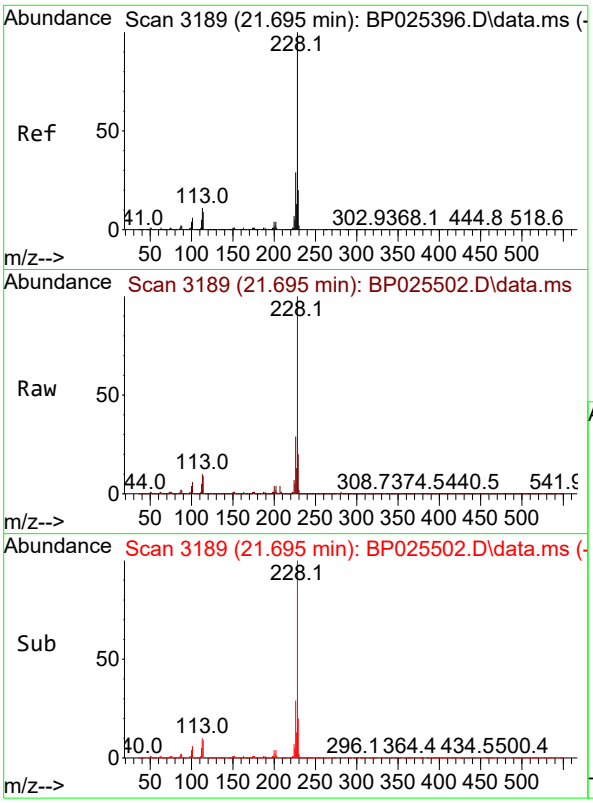


#82
3,3'-Dichlorobenzidine
Concen: 39.295 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 839996

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	10.9	9.1	13.7

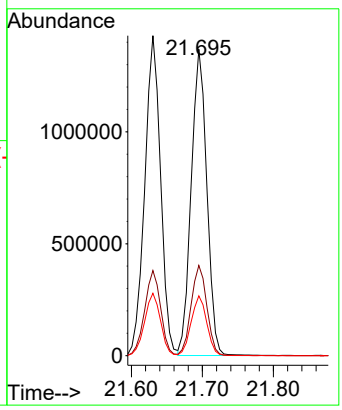




#83
Chrysene
Concen: 39.434 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:228 Resp: 209442

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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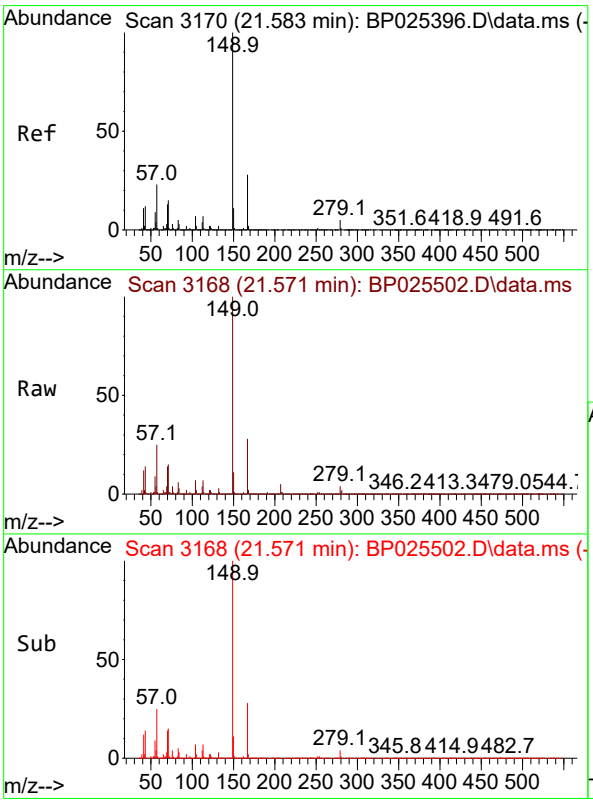
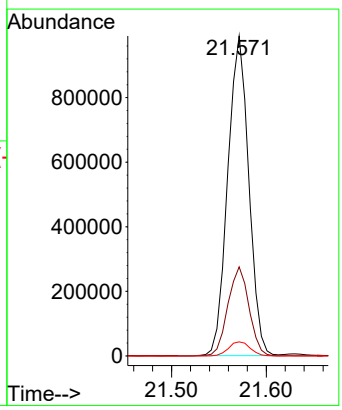
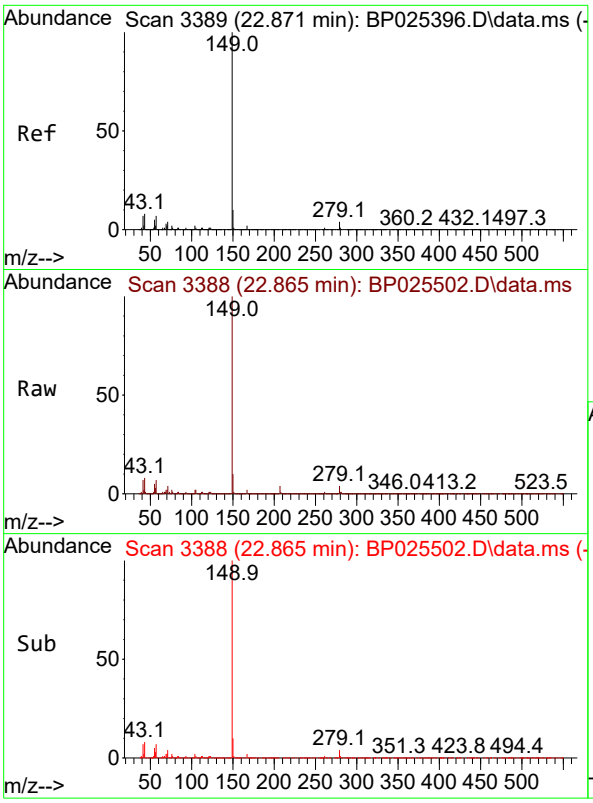


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.001 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1528918

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.4	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 41.280 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

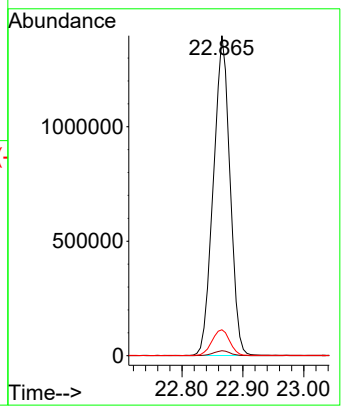
Tgt Ion:149 Resp: 264764

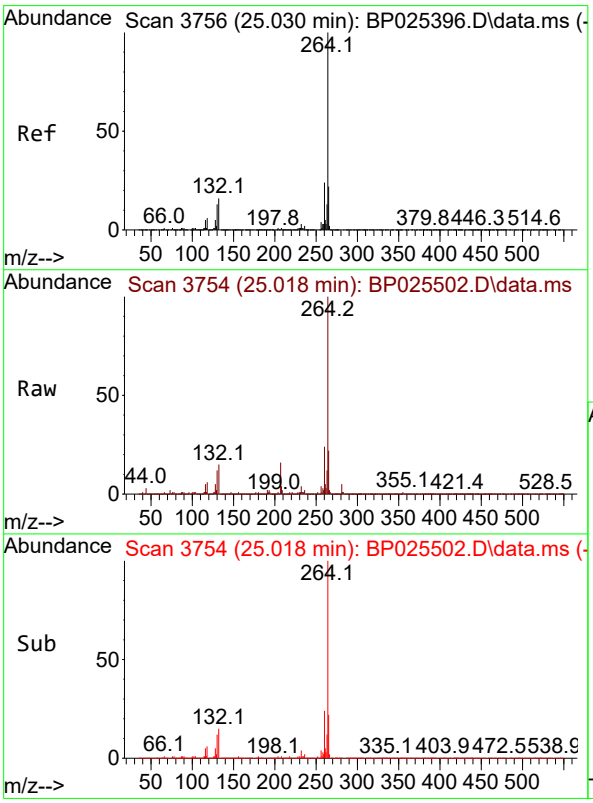
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

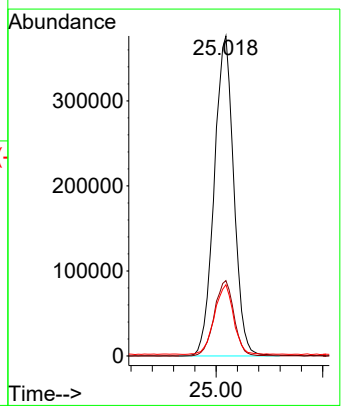


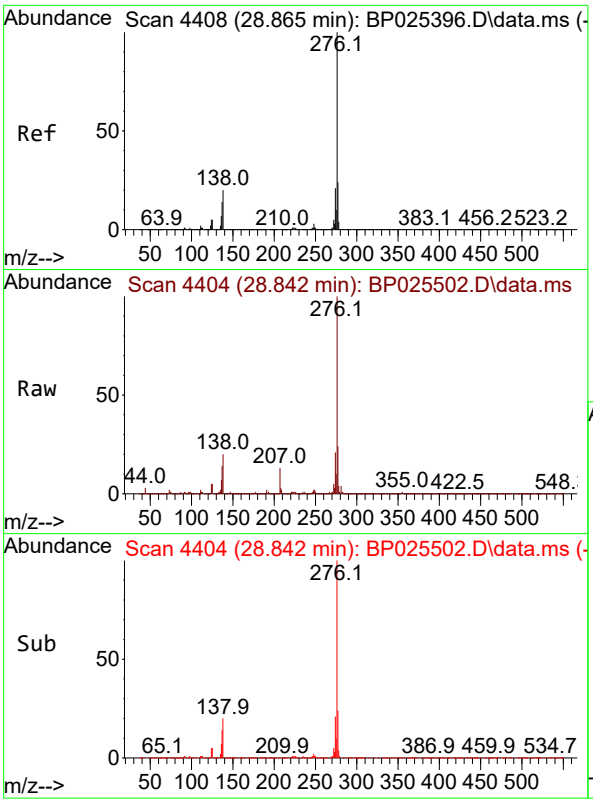


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:264 Resp: 959319

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.3	17.4	26.0

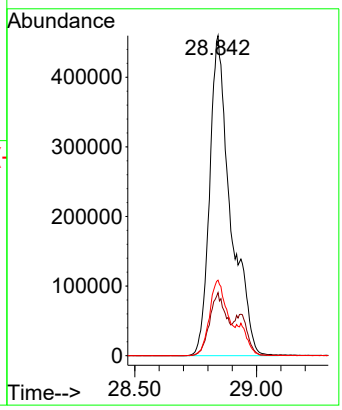




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.904 ng
RT: 28.842 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

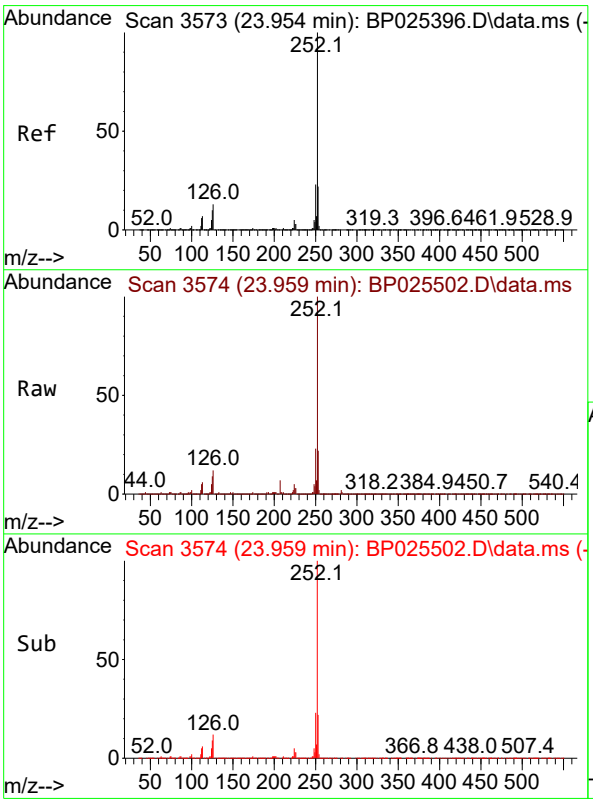
Tgt Ion:276 Resp: 273698

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.9	19.3
277	20.3	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

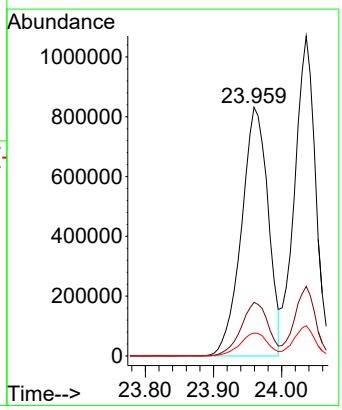
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

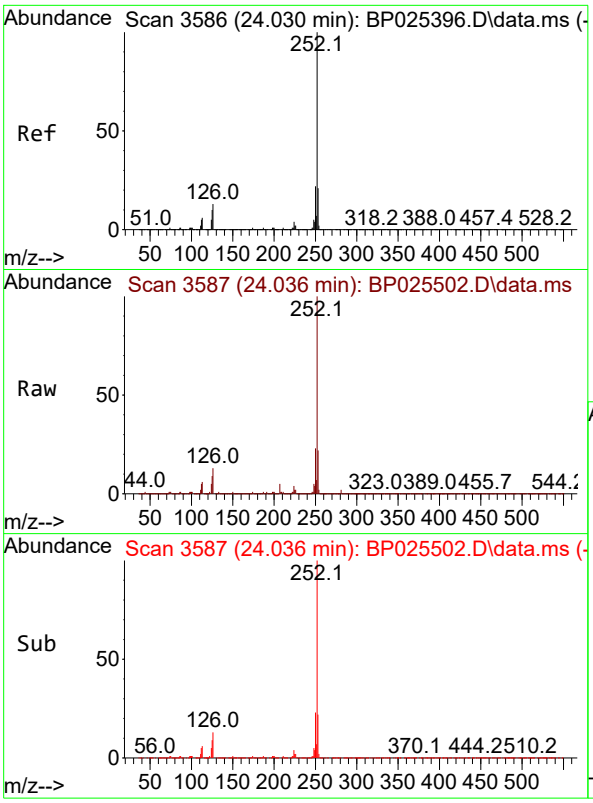


#88
Benzo(b)fluoranthene
Concen: 39.777 ng
RT: 23.959 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2250091

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.2	7.9	11.9

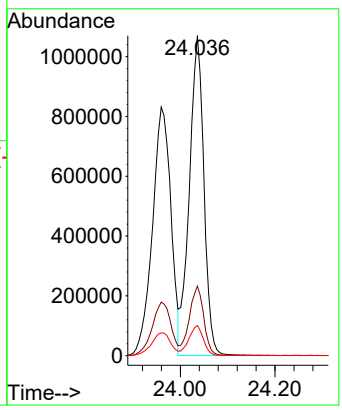




#89
Benzo(k)fluoranthene
Concen: 40.536 ng
RT: 24.036 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 229459

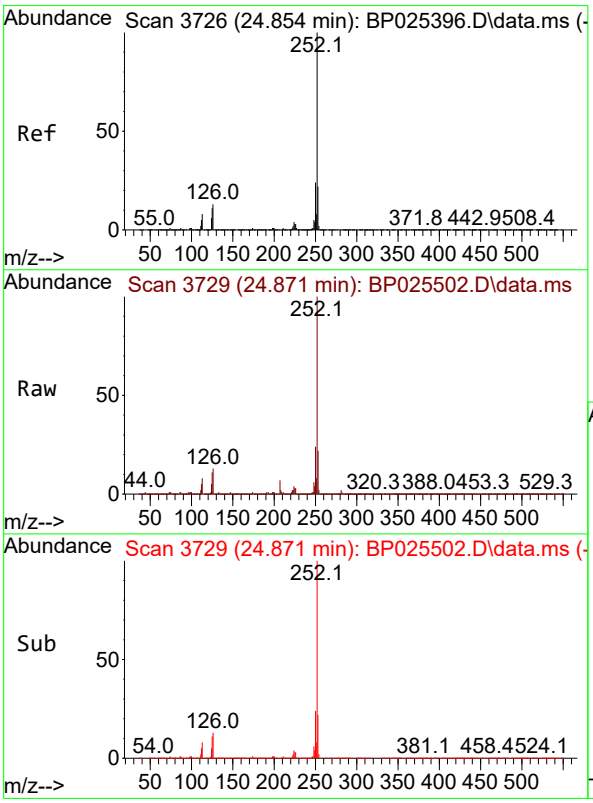
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.5	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

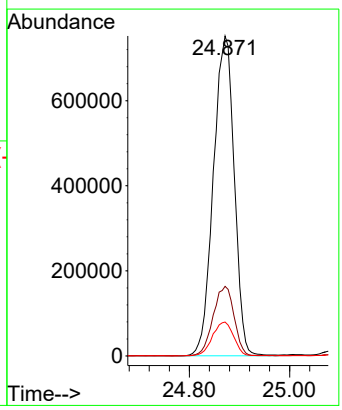
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025

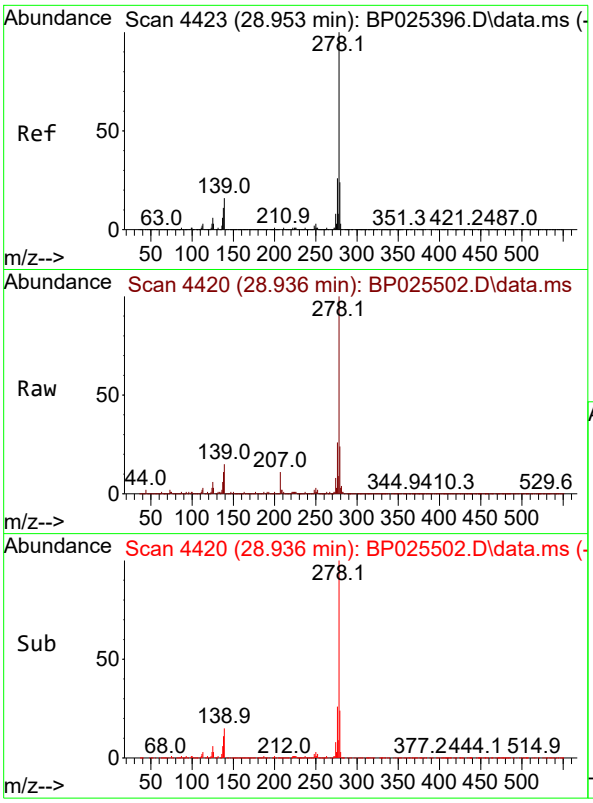


#90
Benzo(a)pyrene
Concen: 39.490 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2174497

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.6	8.7	13.1

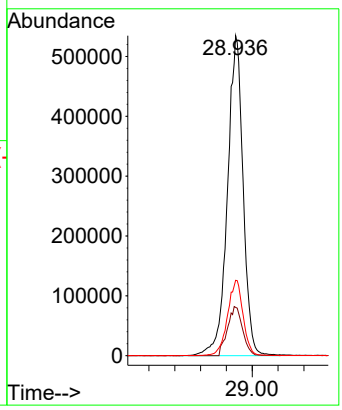




#91
Dibenzo(a,h)anthracene
Concen: 39.346 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:278 Resp: 226208

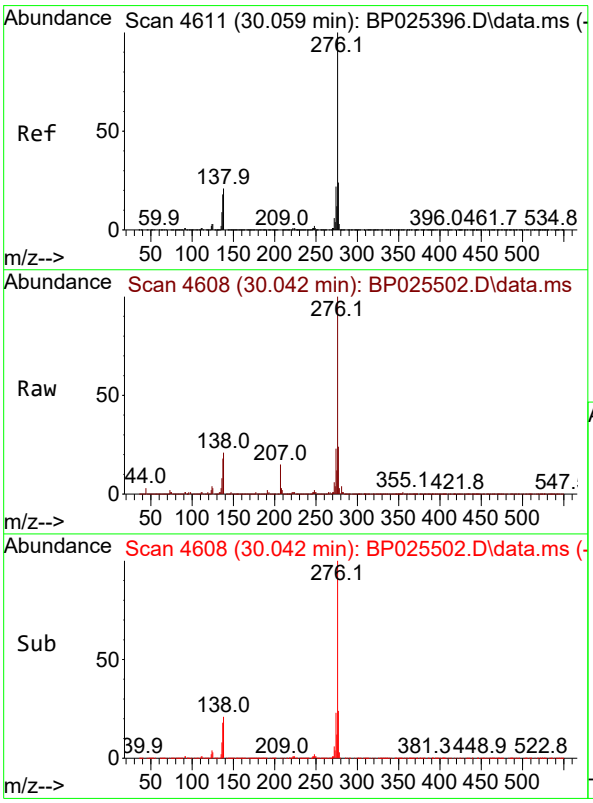
Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.5	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

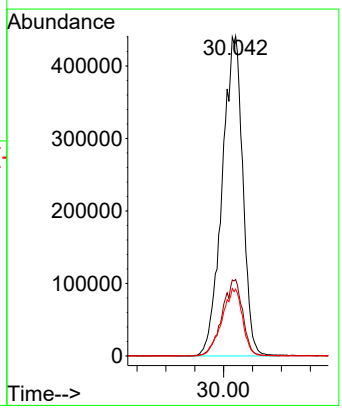
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 38.659 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:276 Resp: 2184778

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.9	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.01
2		1,4-Dioxane	0.472	0.487	-3.2	103	0.00
3		Pyridine	1.291	1.302	-0.9	100	0.00
4		n-Nitrosodimethylamine	0.532	0.577	-8.5	106	0.00
5	S	2-Fluorophenol	1.204	1.219	-1.2	98	0.00
6		Aniline	2.080	2.090	-0.5	97	0.00
7	S	Phenol-d6	1.544	1.572	-1.8	97	0.00
8		2-Chlorophenol	1.359	1.359	0.0	97	0.00
9		Benzaldehyde	1.082	0.644	40.5#	44#	0.00
10	C	Phenol	1.620	1.653	-2.0	98	0.00
11		bis(2-Chloroethyl)ether	1.263	1.267	-0.3	97	0.00
12		1,3-Dichlorobenzene	1.499	1.494	0.3	97	0.00
13	C	1,4-Dichlorobenzene	1.532	1.540	-0.5	98	-0.01
14		1,2-Dichlorobenzene	1.483	1.480	0.2	97	0.00
15		Benzyl Alcohol	1.227	1.247	-1.6	98	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.764	-4.3	102	0.00
17		2-Methylphenol	1.125	1.140	-1.3	96	0.00
18		Hexachloroethane	0.563	0.577	-2.5	99	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.028	-0.5	97	0.00
20		3+4-Methylphenols	1.560	1.551	0.6	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22		Acetophenone	0.502	0.501	0.2	96	0.00
23	S	Nitrobenzene-d5	0.395	0.403	-2.0	98	0.00
24		Nitrobenzene	0.353	0.356	-0.8	96	0.00
25		Isophorone	0.700	0.700	0.0	97	0.00
26	C	2-Nitrophenol	0.181	0.180	0.6	93	0.00
27		2,4-Dimethylphenol	0.312	0.312	0.0	94	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.417	1.4	95	0.00
29	C	2,4-Dichlorophenol	0.310	0.314	-1.3	96	0.00
30		1,2,4-Trichlorobenzene	0.340	0.330	2.9	94	0.00
31		Naphthalene	1.040	1.013	2.6	94	0.00
32		Benzoic acid	0.230	0.230	0.0	94	0.00
33		4-Chloroaniline	0.459	0.455	0.9	94	0.00
34	C	Hexachlorobutadiene	0.211	0.211	0.0	96	0.00
35		Caprolactam	0.114	0.110	3.5	94	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.357	-0.6	96	0.00
37		2-Methylnaphthalene	0.676	0.655	3.1	93	0.00
38		1-Methylnaphthalene	0.719	0.689	4.2	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.586	-1.4	95	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.364	-4.3	95	0.00
42	S	2,4,6-Tribromophenol	0.269	0.271	-0.7	94	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.399	-2.3	95	0.00
44		2,4,5-Trichlorophenol	0.427	0.438	-2.6	94	0.00
45	S	2-Fluorobiphenyl	1.463	1.455	0.5	95	0.00
46		1,1'-Biphenyl	1.453	1.441	0.8	93	0.00
47		2-Chloronaphthalene	1.131	1.125	0.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.352	-7.0	97	0.00
49		Acenaphthylene	1.871	1.865	0.3	94	0.00
50		Dimethylphthalate	1.465	1.455	0.7	94	0.00
51		2,6-Dinitrotoluene	0.309	0.317	-2.6	93	0.00
52	C	Acenaphthene	1.098	1.090	0.7	95	0.01
53		3-Nitroaniline	0.347	0.356	-2.6	95	0.00
54	P	2,4-Dinitrophenol	0.165	0.178	-7.9	99	0.00
55		Dibenzofuran	1.736	1.703	1.9	92	0.00
56	P	4-Nitrophenol	0.285	0.289	-1.4	94	0.00
57		2,4-Dinitrotoluene	0.440	0.456	-3.6	95	0.00
58		Fluorene	1.370	1.316	3.9	91	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.383	-1.6	94	0.00
60		Diethylphthalate	1.488	1.507	-1.3	95	0.00
61		4-Chlorophenyl-phenylether	0.681	0.663	2.6	92	0.00
62		4-Nitroaniline	0.356	0.361	-1.4	93	0.00
63		Azobenzene	1.274	1.344	-5.5	99	0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	96	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.612	-0.3	93	0.00
67		4-Bromophenyl-phenylether	0.220	0.221	-0.5	93	0.00
68		Hexachlorobenzene	0.255	0.254	0.4	94	0.00
69		Atrazine	0.228	0.229	-0.4	94	0.00
70	C	Pentachlorophenol	0.161	0.171	-6.2	97	0.00
71		Phenanthrene	1.099	1.073	2.4	93	0.00
72		Anthracene	1.122	1.104	1.6	92	0.00
73		Carbazole	1.057	1.038	1.8	93	0.00
74		Di-n-butylphthalate	1.300	1.312	-0.9	95	0.00
75	C	Fluoranthene	1.311	1.295	1.2	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77		Benzidine	0.683	0.561	17.9	56	0.00
78		Pyrene	1.300	1.234	5.1	93	0.00
79	S	Terphenyl-d14	1.093	1.063	2.7	97	0.01
80		Butylbenzylphthalate	0.589	0.598	-1.5	99	0.00
81		Benzo(a)anthracene	1.319	1.290	2.2	97	0.00
82		3,3'-Dichlorobenzidine	0.497	0.488	1.8	96	0.00
83		Chrysene	1.235	1.218	1.4	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.889	-2.5	102	-0.01
85	c	Di-n-octyl phthalate	1.492	1.539	-3.2	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	94	-0.01
87		Indeno(1,2,3-cd)pyrene	1.467	1.427	2.7	95	-0.02
88		Benzo(b)fluoranthene	1.179	1.173	0.5	97	0.00
89		Benzo(k)fluoranthene	1.180	1.196	-1.4	99	0.00
90	C	Benzo(a)pyrene	1.148	1.133	1.3	96	0.02
91		Dibenzo(a,h)anthracene	1.199	1.179	1.7	96	-0.02
92		Benzo(g,h,i)perylene	1.178	1.139	3.3	94	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	-0.01
2		1,4-Dioxane	40.000	41.329	-3.3	103	0.00
3		Pyridine	40.000	40.337	-0.8	100	0.00
4		n-Nitrosodimethylamine	40.000	43.372	-8.4	106	0.00
5	S	2-Fluorophenol	80.000	80.973	-1.2	98	0.00
6		Aniline	40.000	40.190	-0.5	97	0.00
7	S	Phenol-d6	80.000	81.437	-1.8	97	0.00
8		2-Chlorophenol	40.000	40.005	-0.0	97	0.00
9		Benzaldehyde	40.000	23.826	40.4#	44	0.00
10	C	Phenol	40.000	40.802	-2.0	98	0.00
11		bis(2-Chloroethyl)ether	40.000	40.129	-0.3	97	0.00
12		1,3-Dichlorobenzene	40.000	39.880	0.3	97	0.00
13	C	1,4-Dichlorobenzene	40.000	40.220	-0.5	98	-0.01
14		1,2-Dichlorobenzene	40.000	39.931	0.2	97	0.00
15		Benzyl Alcohol	40.000	40.652	-1.6	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.700	-4.3	102	0.00
17		2-Methylphenol	40.000	40.522	-1.3	96	0.00
18		Hexachloroethane	40.000	41.003	-2.5	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.216	-0.5	97	0.00
20		3+4-Methylphenols	40.000	39.780	0.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22		Acetophenone	40.000	39.991	0.0	96	0.00
23	S	Nitrobenzene-d5	80.000	81.592	-2.0	98	0.00
24		Nitrobenzene	40.000	40.309	-0.8	96	0.00
25		Isophorone	40.000	40.003	-0.0	97	0.00
26	C	2-Nitrophenol	40.000	39.808	0.5	93	0.00
27		2,4-Dimethylphenol	40.000	39.968	0.1	94	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.468	1.3	95	0.00
29	C	2,4-Dichlorophenol	40.000	40.533	-1.3	96	0.00
30		1,2,4-Trichlorobenzene	40.000	38.887	2.8	94	0.00
31		Naphthalene	40.000	38.998	2.5	94	0.00
32		Benzoic acid	40.000	39.948	0.1	94	0.00
33		4-Chloroaniline	40.000	39.605	1.0	94	0.00
34	C	Hexachlorobutadiene	40.000	39.951	0.1	96	0.00
35		Caprolactam	40.000	38.776	3.1	94	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.195	-0.5	96	0.00
37		2-Methylnaphthalene	40.000	38.714	3.2	93	0.00
38		1-Methylnaphthalene	40.000	38.296	4.3	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.579	-1.4	95	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.746	-4.4	95	0.00
42	S	2,4,6-Tribromophenol	80.000	80.580	-0.7	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.907	-2.3	95	0.00
44		2,4,5-Trichlorophenol	40.000	41.026	-2.6	94	0.00
45	S	2-Fluorobiphenyl	80.000	79.531	0.6	95	0.00
46		1,1'-Biphenyl	40.000	39.678	0.8	93	0.00
47		2-Chloronaphthalene	40.000	39.783	0.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.727	-6.8	97	0.00
49		Acenaphthylene	40.000	39.860	0.4	94	0.00
50		Dimethylphthalate	40.000	39.744	0.6	94	0.00
51		2,6-Dinitrotoluene	40.000	41.073	-2.7	93	0.00
52	C	Acenaphthene	40.000	39.710	0.7	95	0.01
53		3-Nitroaniline	40.000	41.043	-2.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	43.128	-7.8	99	0.00
55		Dibenzofuran	40.000	39.226	1.9	92	0.00
56	P	4-Nitrophenol	40.000	40.538	-1.3	94	0.00
57		2,4-Dinitrotoluene	40.000	41.459	-3.6	95	0.00
58		Fluorene	40.000	38.412	4.0	91	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.574	-1.4	94	0.00
60		Diethylphthalate	40.000	40.513	-1.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	38.934	2.7	92	0.00
62		4-Nitroaniline	40.000	40.530	-1.3	93	0.00
63		Azobenzene	40.000	42.199	-5.5	99	0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.917	-4.8	96	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.171	-0.4	93	0.00
67		4-Bromophenyl-phenylether	40.000	40.268	-0.7	93	0.00
68		Hexachlorobenzene	40.000	39.919	0.2	94	0.00
69		Atrazine	40.000	40.186	-0.5	94	0.00
70	C	Pentachlorophenol	40.000	42.449	-6.1	97	0.00
71		Phenanthrene	40.000	39.064	2.3	93	0.00
72		Anthracene	40.000	39.365	1.6	92	0.00
73		Carbazole	40.000	39.300	1.8	93	0.00
74		Di-n-butylphthalate	40.000	40.373	-0.9	95	0.00
75	C	Fluoranthene	40.000	39.528	1.2	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77		Benzidine	40.000	32.893	17.8	56	0.00
78		Pyrene	40.000	37.983	5.0	93	0.00
79	S	Terphenyl-d14	80.000	77.772	2.8	97	0.01
80		Butylbenzylphthalate	40.000	40.617	-1.5	99	0.00
81		Benzo(a)anthracene	40.000	39.128	2.2	97	0.00
82		3,3'-Dichlorobenzidine	40.000	39.295	1.8	96	0.00
83		Chrysene	40.000	39.434	1.4	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.001	-2.5	102	-0.01
85	c	Di-n-octyl phthalate	40.000	41.280	-3.2	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	94	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.904	2.7	95	-0.02
88		Benzo(b)fluoranthene	40.000	39.777	0.6	97	0.00
89		Benzo(k)fluoranthene	40.000	40.536	-1.3	99	0.00
90	C	Benzo(a)pyrene	40.000	39.490	1.3	96	0.02
91		Dibenzo(a,h)anthracene	40.000	39.346	1.6	96	-0.02
92		Benzo(g,h,i)perylene	40.000	38.659	3.4	94	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 18:27

Lab File ID: BP025512.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.232		2.3	
Benzaldehyde	1.082	1.279		18.2	
Phenol-d6	1.544	1.491		-3.4	
Phenol	1.620	1.535		-5.2	20.0
bis(2-Chloroethyl)ether	1.263	1.201		-4.9	
2-Chlorophenol	1.359	1.324		-2.6	
2-Methylphenol	1.125	1.059		-5.9	
2,2-oxybis(1-Chloropropane)	1.692	1.647		-2.7	
Acetophenone	0.502	0.508		1.2	
3+4-Methylphenols	1.560	1.396		-10.5	
n-Nitroso-di-n-propylamine	1.023	0.895	0.050	-12.5	
Nitrobenzene-d5	0.395	0.409		3.5	
Hexachloroethane	0.563	0.578		2.7	
Nitrobenzene	0.353	0.367		4.0	
Isophorone	0.700	0.664		-5.1	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.413		-2.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.033		-0.7	
4-Chloroaniline	0.459	0.429		-6.5	
Hexachlorobutadiene	0.211	0.225		6.6	20.0
Caprolactam	0.114	0.092		-19.3	
4-Chloro-3-methylphenol	0.355	0.324		-8.7	20.0
2-Methylnaphthalene	0.676	0.633		-6.4	
Hexachlorocyclopentadiene	0.349	0.359	0.050	2.9	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.526		4.3	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.507		3.7	
2-Chloronaphthalene	1.131	1.165		3.0	
2-Nitroaniline	0.329	0.343		4.3	
Dimethylphthalate	1.465	1.399		-4.5	
Acenaphthylene	1.871	1.871		0.0	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.347	0.329		-5.2	
Acenaphthene	1.098	1.086		-1.1	20.0
2,4-Dinitrophenol	0.165	0.172	0.050	4.2	
4-Nitrophenol	0.285	0.266	0.050	-6.7	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/20/2025 18:27

Lab File ID: BP025512.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	
2,4-Dinitrotoluene	0.440	0.429		-2.5	
Diethylphthalate	1.488	1.402		-5.8	
4-Chlorophenyl-phenylether	0.681	0.651		-4.4	
Fluorene	1.370	1.306		-4.7	
4-Nitroaniline	0.356	0.332		-6.7	
4,6-Dinitro-2-methylphenol	0.125	0.127		1.6	
n-Nitrosodiphenylamine	0.610	0.609		-0.2	20.0
2,4,6-Tribromophenol	0.269	0.257		-4.5	
4-Bromophenyl-phenylether	0.220	0.224		1.8	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.167		3.7	20.0
Phenanthrene	1.099	1.085		-1.3	
Anthracene	1.122	1.084		-3.4	
Carbazole	1.057	1.022		-3.3	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.267		-3.4	20.0
Pyrene	1.300	1.220		-6.2	
Terphenyl-d14	1.093	1.021		-6.6	
Butylbenzylphthalate	0.589	0.600		1.9	
3,3-Dichlorobenzidine	0.497	0.503		1.2	
Benzo(a)anthracene	1.319	1.279		-3.0	
Chrysene	1.235	1.213		-1.8	
Bis(2-ethylhexyl)phthalate	0.867	0.895		3.2	
Di-n-octyl phthalate	1.492	1.648		10.5	20.0
Benzo(b)fluoranthene	1.179	1.121		-4.9	
Benzo(k)fluoranthene	1.180	1.119		-5.2	
Benzo(a)pyrene	1.148	1.115		-2.9	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.484		1.2	
Dibenzo(a,h)anthracene	1.199	1.220		1.8	
Benzo(g,h,i)perylene	1.178	1.213		3.0	
1,2,4,5-Tetrachlorobenzene	0.578	0.626		8.3	
1,4-Dioxane	0.472	0.489		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.372		-1.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	166180	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	619421	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	355189	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	670328	20.000	ng	0.00
76) Chrysene-d12	21.648	240	721835	20.000	ng	0.00
86) Perylene-d12	25.030	264	911460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	819056	81.851	ng	0.00
7) Phenol-d6	6.966	99	990921	77.239	ng	0.00
23) Nitrobenzene-d5	8.925	82	1014236	82.828	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	365485	76.447	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2168370	83.434	ng	0.00
79) Terphenyl-d14	19.919	244	2948745	74.739	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	162482	41.454	ng	99
3) Pyridine	3.731	79	413008	38.497	ng	98
4) n-Nitrosodimethylamine	3.637	42	189578	42.863	ng	97
6) Aniline	7.119	93	652984	37.776	ng	98
8) 2-Chlorophenol	7.361	128	440061	38.971	ng	98
9) Benzaldehyde	6.937	77	425209	47.306	ng	95
10) Phenol	6.996	94	510256	37.903	ng	98
11) bis(2-Chloroethyl)ether	7.213	93	399309	38.056	ng	98
12) 1,3-Dichlorobenzene	7.678	146	499346	40.104	ng	98
13) 1,4-Dichlorobenzene	7.819	146	504357	39.630	ng	99
14) 1,2-Dichlorobenzene	8.137	146	478303	38.825	ng	97
15) Benzyl Alcohol	8.025	79	376366	36.921	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	547414	38.945	ng	100
17) 2-Methylphenol	8.225	107	352050	37.654	ng	99
18) Hexachloroethane	8.860	117	192071	41.047	ng	93
19) n-Nitroso-di-n-propyla...	8.578	70	297628	35.024	ng	97
20) 3+4-Methylphenols	8.543	107	463927	35.797	ng	99
22) Acetophenone	8.596	105	629950	40.553	ng	99
24) Nitrobenzene	8.972	77	454821	41.561	ng	98
25) Isophorone	9.496	82	822867	37.972	ng	99
26) 2-Nitrophenol	9.672	139	233161	41.515	ng	96
27) 2,4-Dimethylphenol	9.737	122	381587	39.508	ng	95
28) bis(2-Chloroethoxy)met...	9.966	93	511989	39.085	ng	99
29) 2,4-Dichlorophenol	10.207	162	384438	40.068	ng	98
30) 1,2,4-Trichlorobenzene	10.419	180	428971	40.786	ng	99
31) Naphthalene	10.607	128	1279654	39.747	ng	99
32) Benzoic acid	9.866	122	261847	36.722	ng	97
33) 4-Chloroaniline	10.707	127	531205	37.353	ng	98
34) Hexachlorobutadiene	10.896	225	278633	42.538	ng	99
35) Caprolactam	11.490	113	114461	32.534	ng	96
36) 4-Chloro-3-methylphenol	11.837	107	401963	36.511	ng	99
37) 2-Methylnaphthalene	12.213	142	783727	37.407	ng	99
38) 1-Methylnaphthalene	12.431	142	822994	36.937	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	444699	43.350	ng	99
41) Hexachlorocyclopentadiene	12.566	237	255262	41.195	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	293959	42.446	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

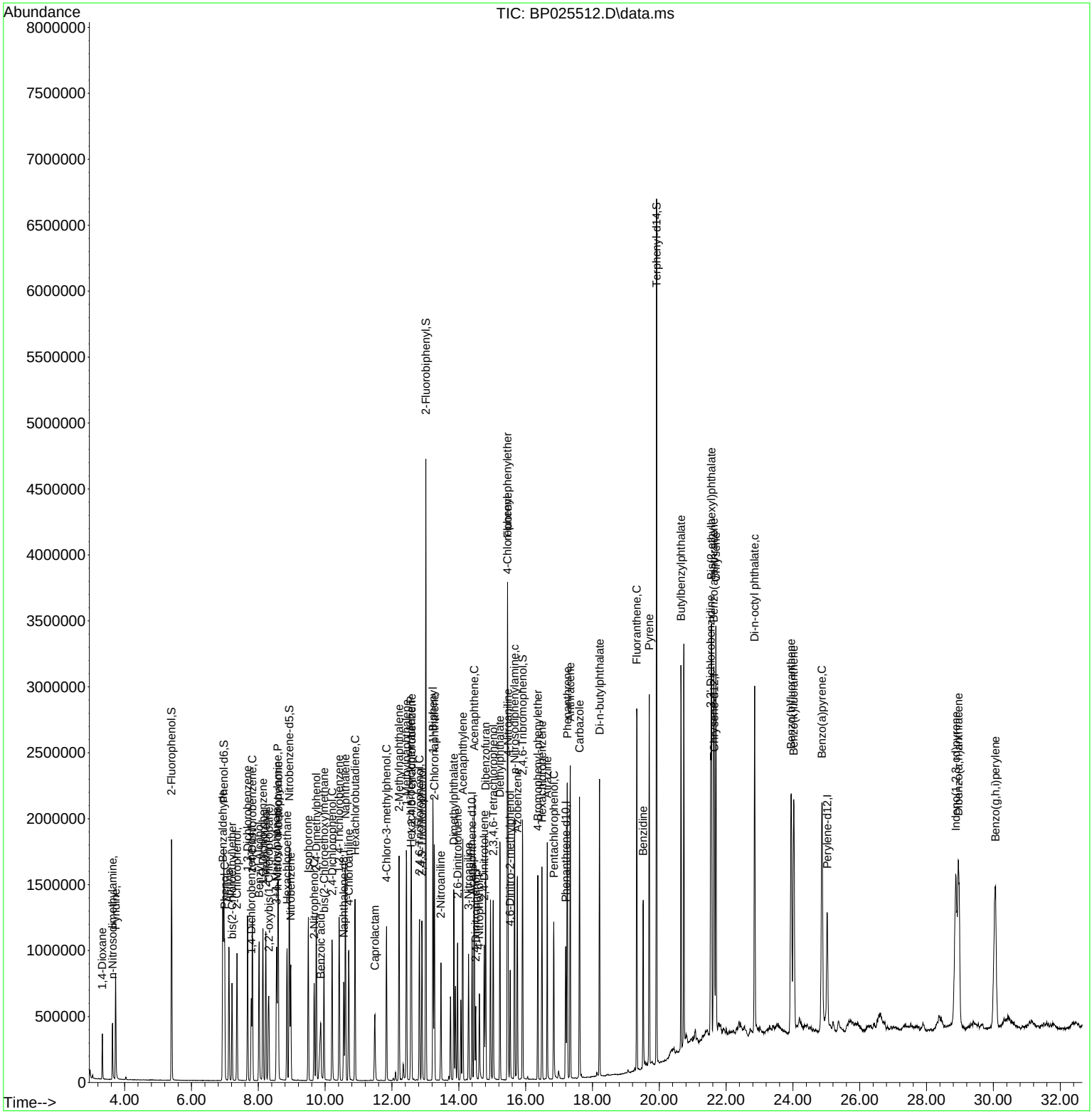
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	316844	41.744	ng	99
46) 1,1'-Biphenyl	13.225	154	1070736	41.508	ng	99
47) 2-Chloronaphthalene	13.266	162	827743	41.219	ng	100
48) 2-Nitroaniline	13.466	65	243579	41.628	ng	97
49) Acenaphthylene	14.119	152	1329242	40.001	ng	99
50) Dimethylphthalate	13.848	163	994069	38.219	ng	99
51) 2,6-Dinitrotoluene	13.966	165	222447	40.576	ng	98
52) Acenaphthene	14.460	154	771351	39.546	ng	99
53) 3-Nitroaniline	14.290	138	233840	37.912	ng	92
54) 2,4-Dinitrophenol	14.507	184	122042	41.686	ng	98
55) Dibenzofuran	14.801	168	1209507	39.221	ng	99
56) 4-Nitrophenol	14.613	139	188606	37.212	ng	94
57) 2,4-Dinitrotoluene	14.760	165	305079	39.004	ng	97
58) Fluorene	15.460	166	927874	38.132	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	264092	39.405	ng	100
60) Diethylphthalate	15.231	149	996051	37.688	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	462336	38.204	ng	97
62) 4-Nitroaniline	15.472	138	235988	37.321	ng	97
63) Azobenzene	15.754	77	890410	39.346	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	170735	40.860	ng	94
66) n-Nitrosodiphenylamine	15.666	169	816452	39.942	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	299821	40.668	ng	96
68) Hexachlorobenzene	16.489	284	343811	40.230	ng	97
69) Atrazine	16.648	200	296023	38.670	ng	98
70) Pentachlorophenol	16.842	266	223956	41.514	ng	98
71) Phenanthrene	17.248	178	1455152	39.517	ng	99
72) Anthracene	17.336	178	1452720	38.632	ng	100
73) Carbazole	17.613	167	1370739	38.700	ng	99
74) Di-n-butylphthalate	18.213	149	1762119	40.436	ng	99
75) Fluoranthene	19.325	202	1698750	38.675	ng	99
77) Benzidine	19.519	184	784158	31.831	ng	99
78) Pyrene	19.701	202	1760829	37.531	ng	99
80) Butylbenzylphthalate	20.648	149	866705	40.760	ng	99
81) Benzo(a)anthracene	21.630	228	1846325	38.784	ng	98
82) 3,3'-Dichlorobenzidine	21.536	252	726259	40.475	ng	99
83) Chrysene	21.695	228	1751270	39.282	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1292335	41.288	ng	100
85) Di-n-octyl phthalate	22.854	149	2379874	44.204	ng	98
87) Indeno(1,2,3-cd)pyrene	28.877	276	2704805	40.465	ng	98
88) Benzo(b)fluoranthene	23.948	252	2043506	38.021	ng	100
89) Benzo(k)fluoranthene	24.024	252	2039061	37.913	ng	99
90) Benzo(a)pyrene	24.865	252	2033101	38.861	ng	99
91) Dibenzo(a,h)anthracene	28.953	278	2223603	40.707	ng	99
92) Benzo(g,h,i)perylene	30.065	276	2210310	41.164	ng	98

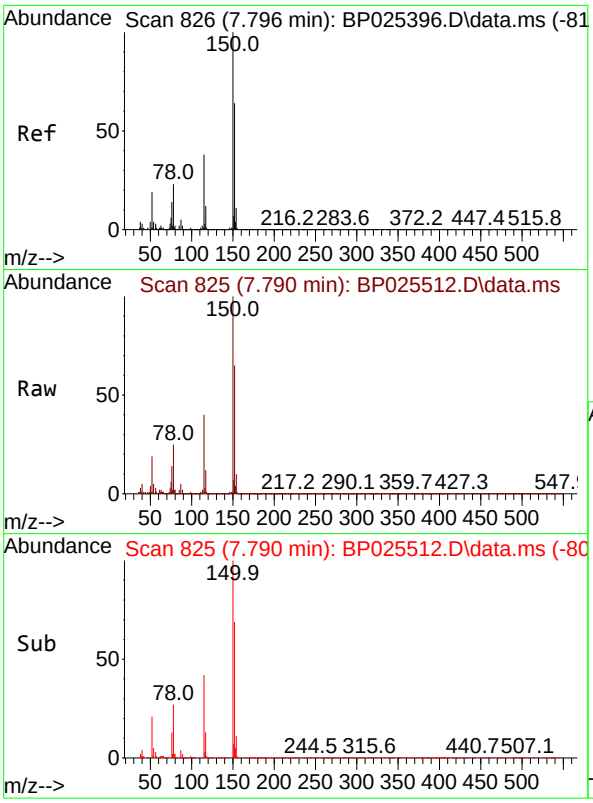
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



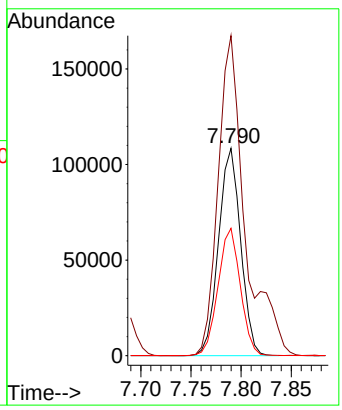


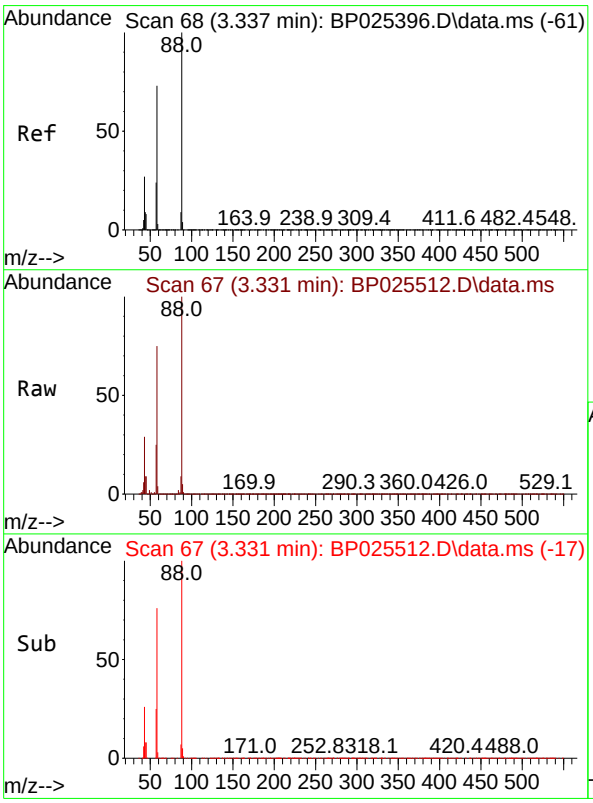
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 166180

Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.9	188.9
115	61.4	48.5	72.7

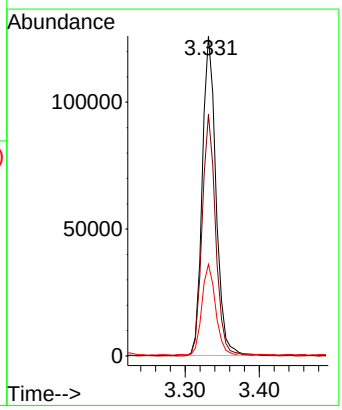


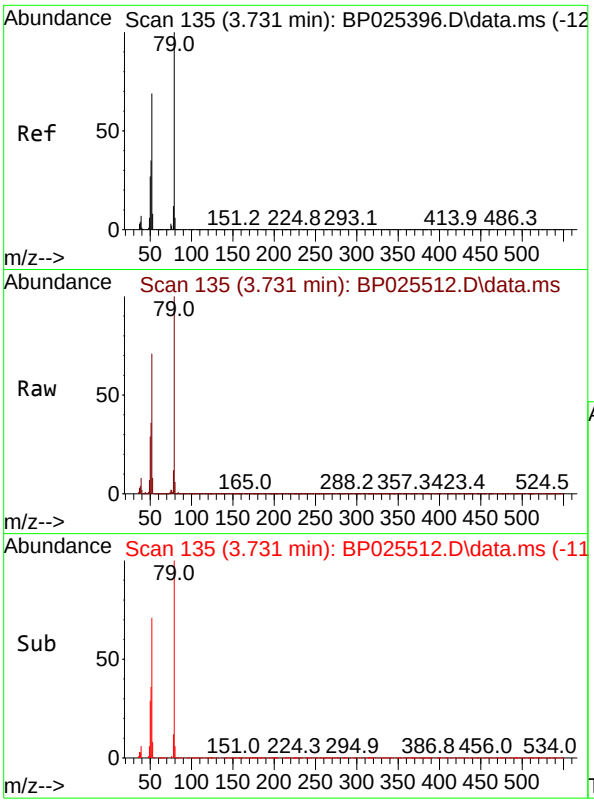


#2
1,4-Dioxane
Concen: 41.454 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 88 Resp: 162482

Ion	Ratio	Lower	Upper
88	100		
58	74.5	59.2	88.8
43	28.7	21.7	32.5



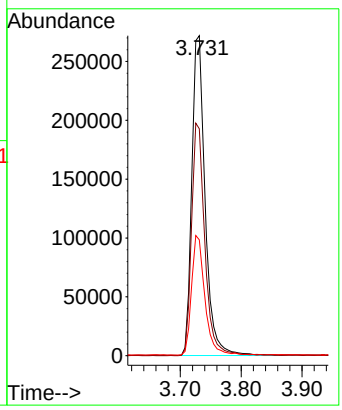


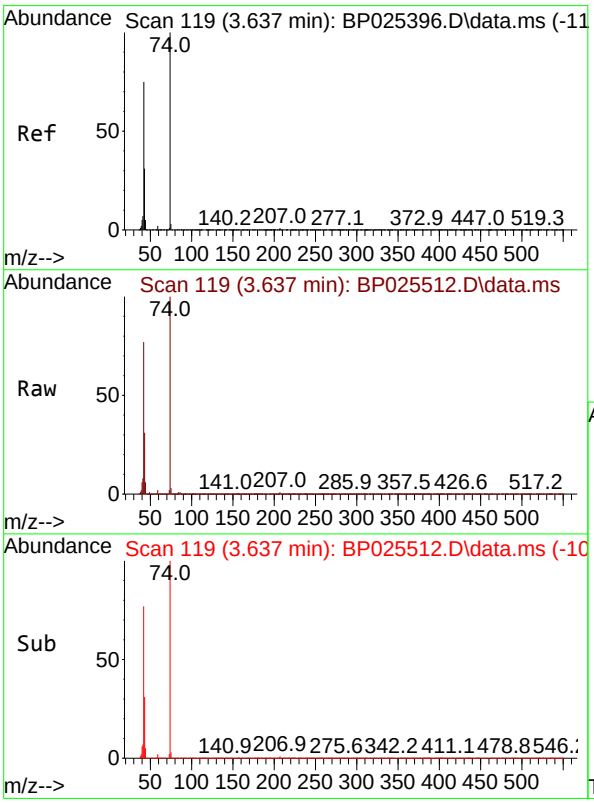
#3
Pyridine
Concen: 38.497 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 413008

Ion	Ratio	Lower	Upper
79	100		
52	70.9	55.5	83.3
51	36.2	28.3	42.5

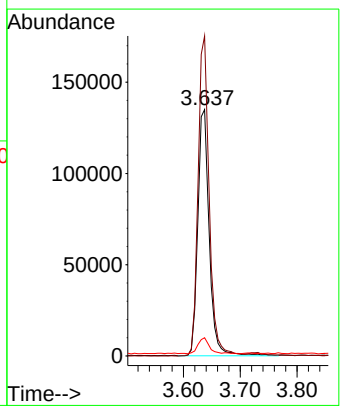


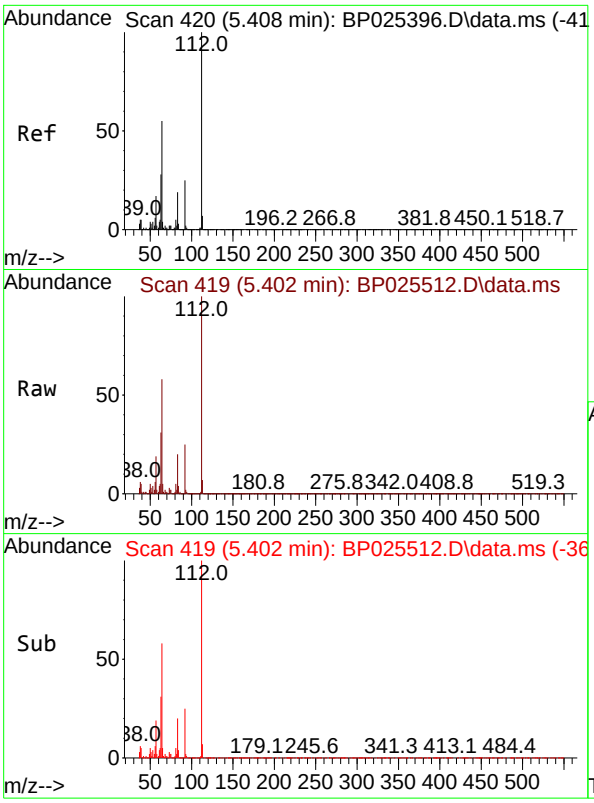


#4
n-Nitrosodimethylamine
Concen: 42.863 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 42 Resp: 189578

Ion	Ratio	Lower	Upper
42	100		
74	129.9	107.0	160.4
44	7.4	6.2	9.4



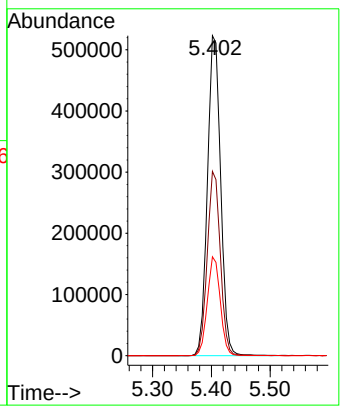


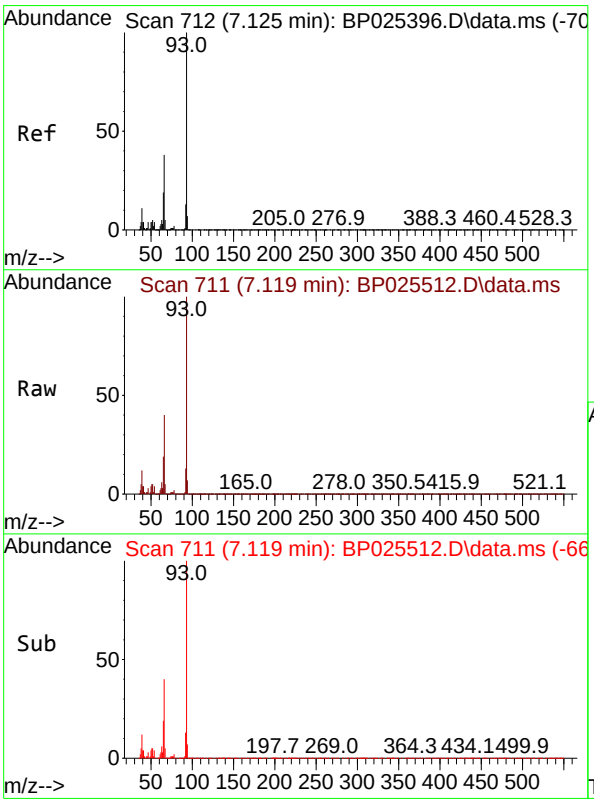
#5
2-Fluorophenol
Concen: 81.851 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 819056

Ion	Ratio	Lower	Upper
112	100		
64	57.6	43.8	65.8
63	30.9	22.7	34.1

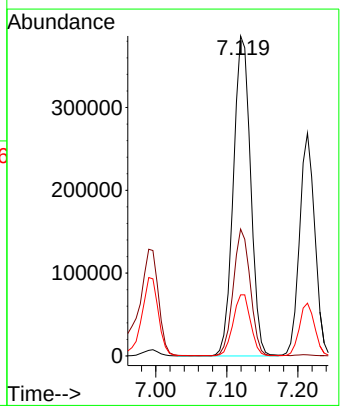


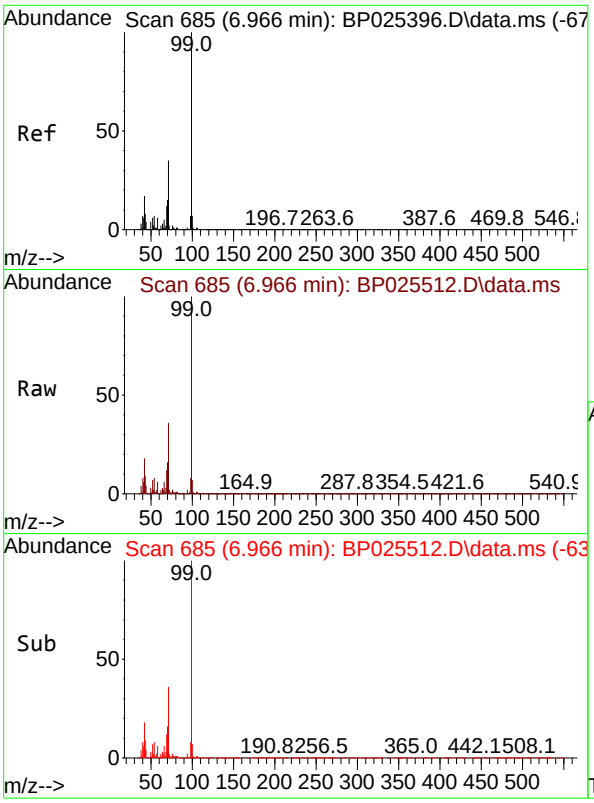


#6
Aniline
Concen: 37.776 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 93 Resp: 652984

Ion	Ratio	Lower	Upper
93	100		
66	39.7	30.4	45.6
65	19.1	15.3	22.9



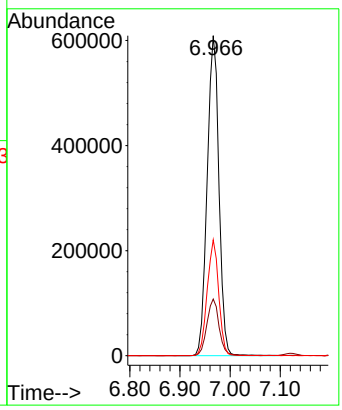


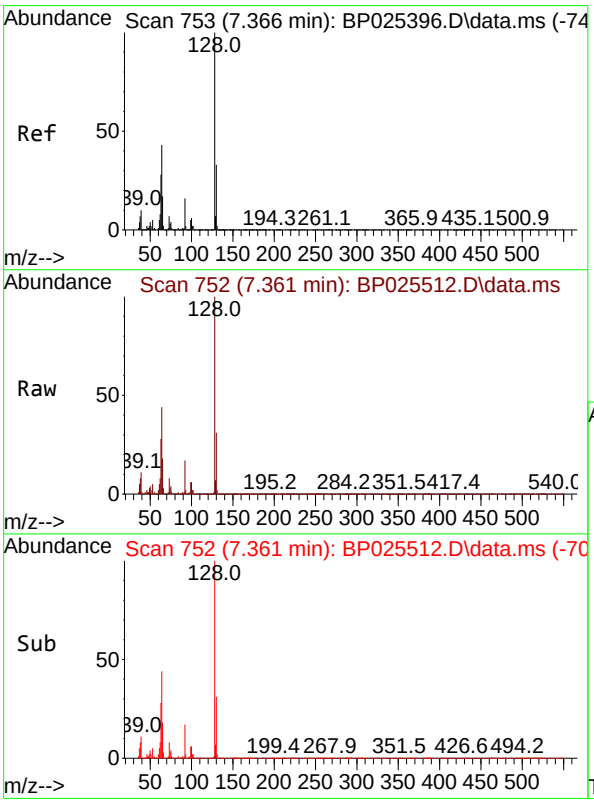
#7
Phenol-d6
Concen: 77.239 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 990921

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	36.2	28.2	42.4

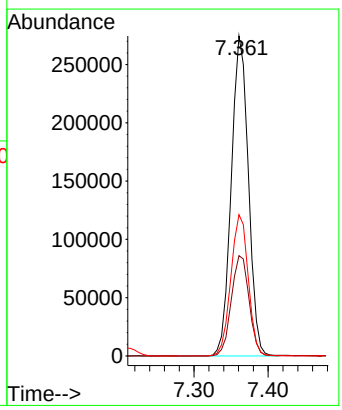


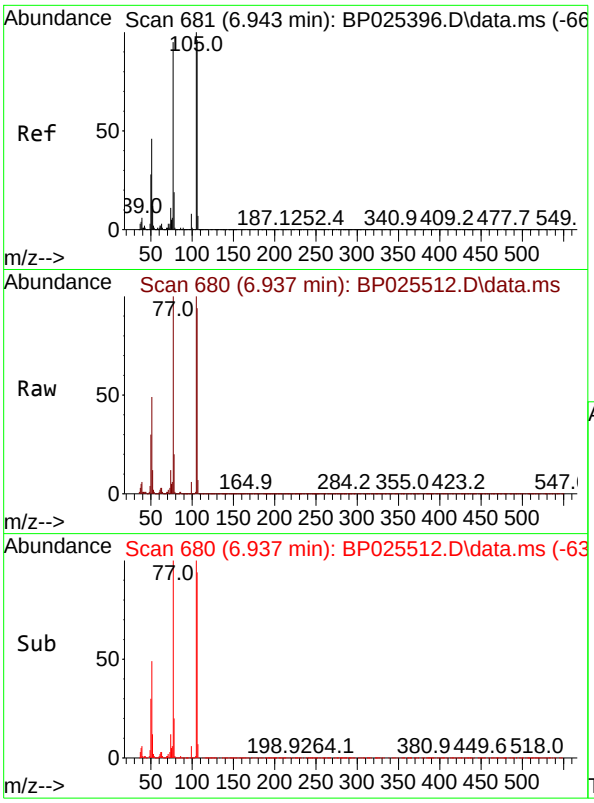


#8
2-Chlorophenol
Concen: 38.971 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:128 Resp: 440061

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.6	52.6
64	44.1	23.4	63.4



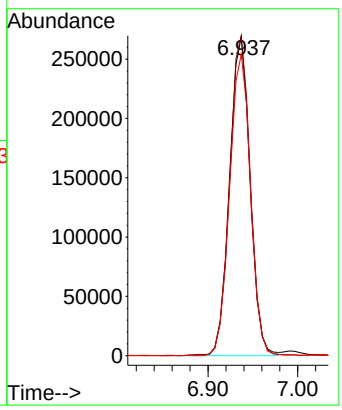


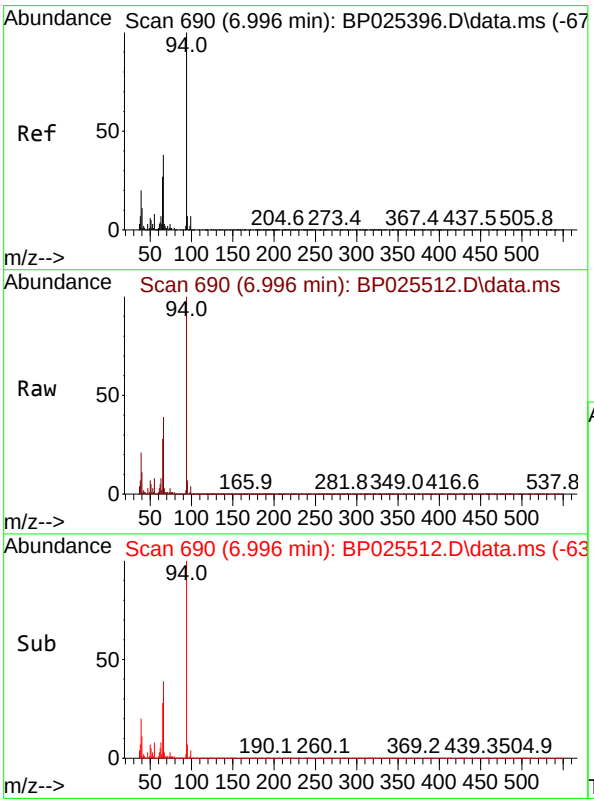
#9
Benzaldehyde
Concen: 47.306 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 425209

Ion	Ratio	Lower	Upper
77	100		
105	100.5	84.8	124.8
106	94.6	80.5	120.5

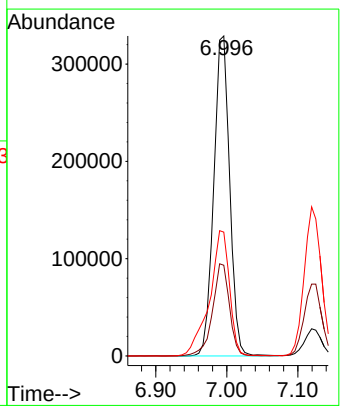


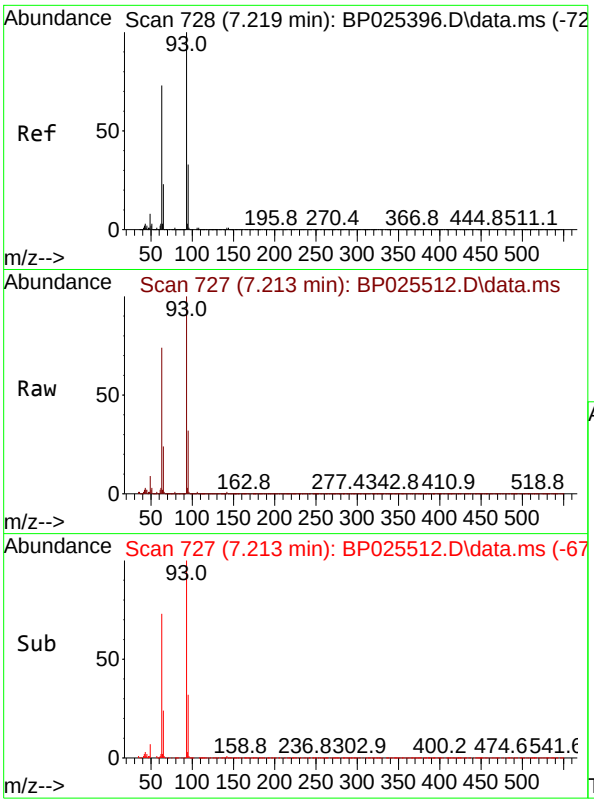


#10
Phenol
Concen: 37.903 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 94 Resp: 510256

Ion	Ratio	Lower	Upper
94	100		
65	28.3	6.8	46.8
66	38.7	18.2	58.2



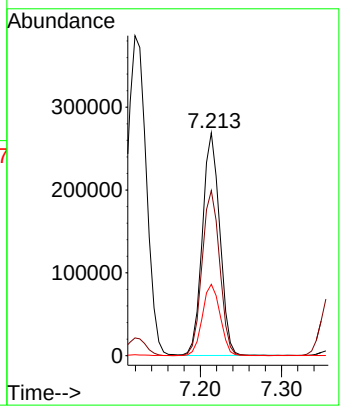


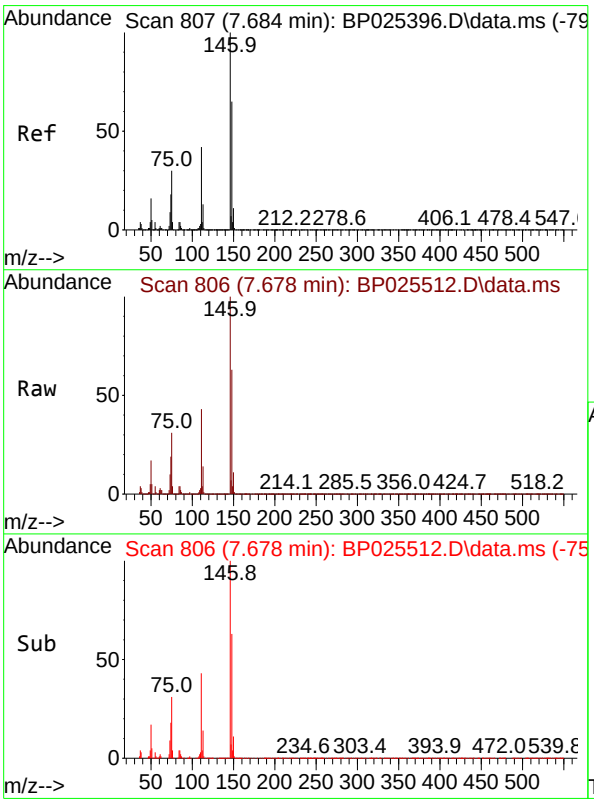
#11
bis(2-Chloroethyl)ether
Concen: 38.056 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 399309

Ion	Ratio	Lower	Upper
93	100		
63	74.1	52.6	92.6
95	32.0	12.7	52.7

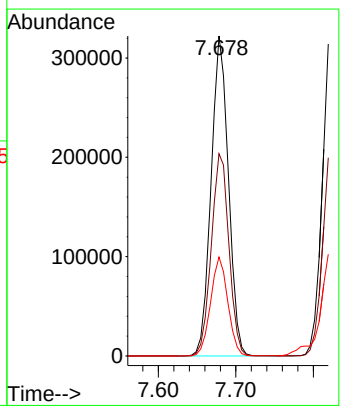


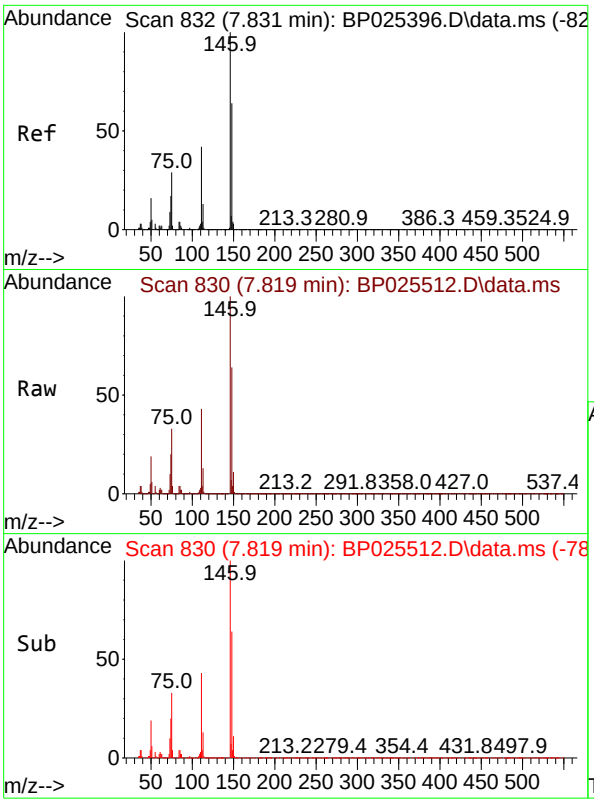


#12
1,3-Dichlorobenzene
Concen: 40.104 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:146 Resp: 499346

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.9	77.9
75	30.9	23.7	35.5



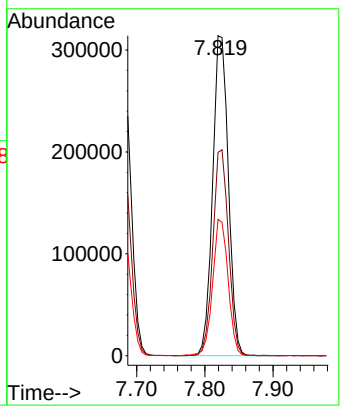


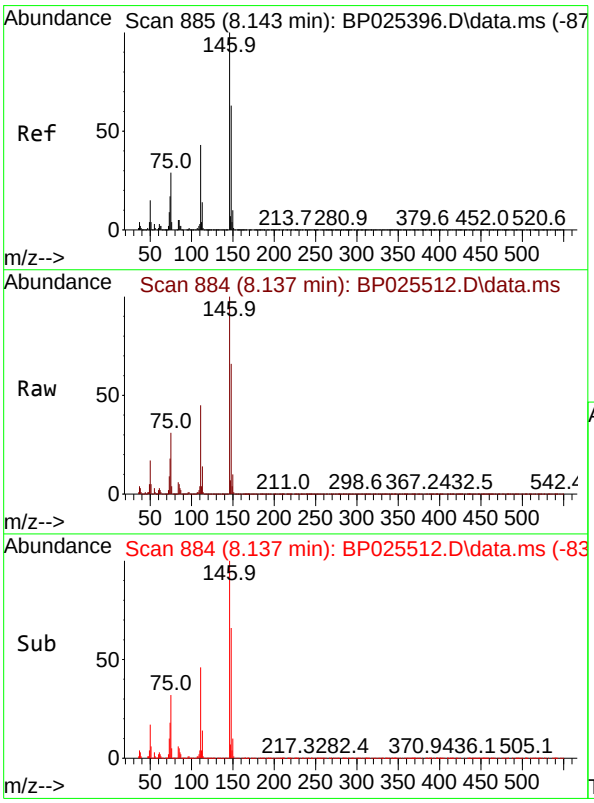
#13
1,4-Dichlorobenzene
Concen: 39.630 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 504357

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	42.6	33.4	50.0

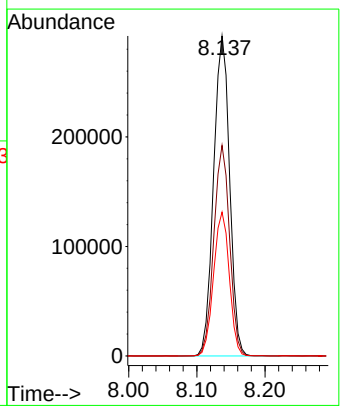


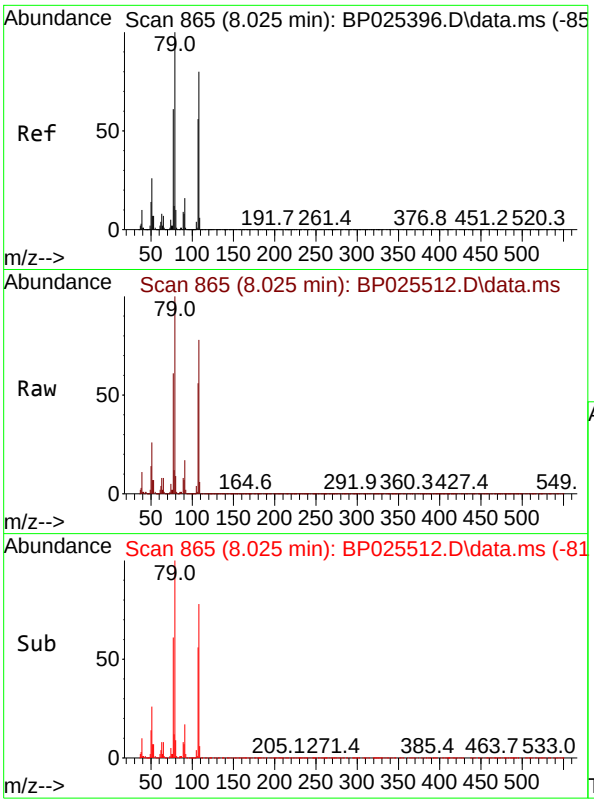


#14
1,2-Dichlorobenzene
Concen: 38.825 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:146 Resp: 478303

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.4	75.6
111	45.0	34.5	51.7



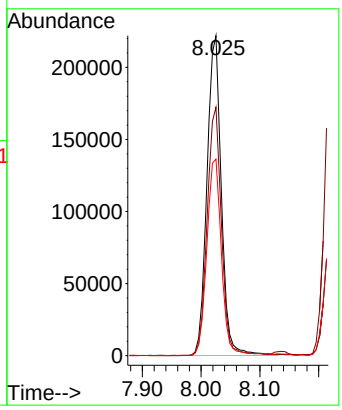


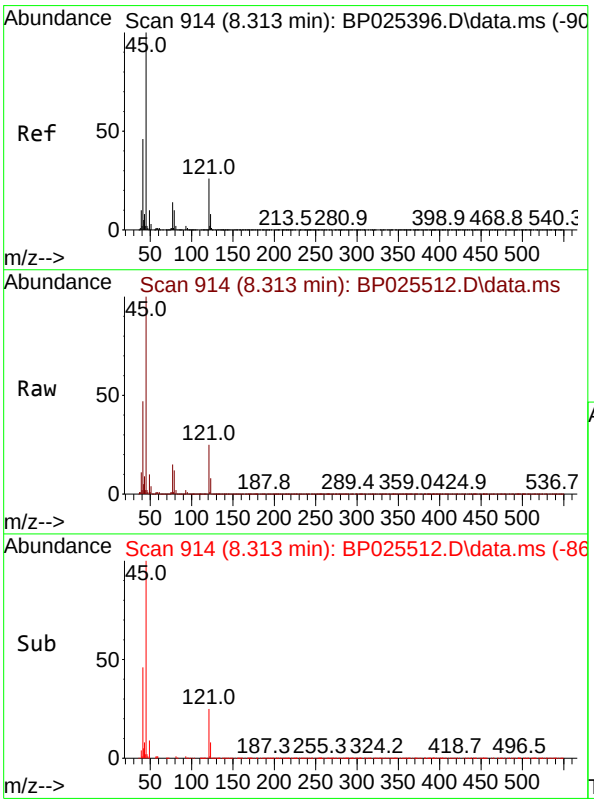
#15
Benzyl Alcohol
Concen: 36.921 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 376366

Ion	Ratio	Lower	Upper
79	100		
108	77.7	63.8	95.6
77	61.4	49.0	73.4

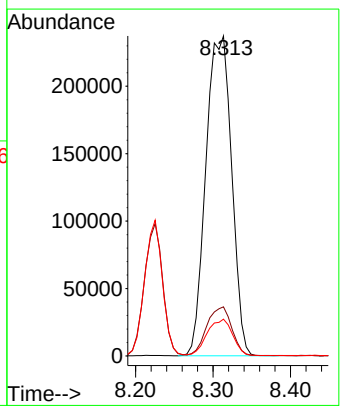


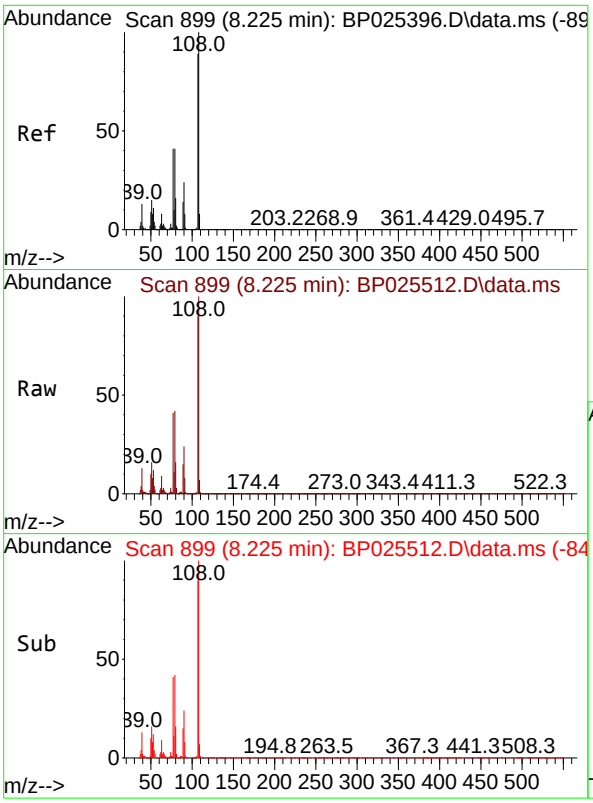


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.945 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 45 Resp: 547414

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.3
79	11.5	0.0	31.8



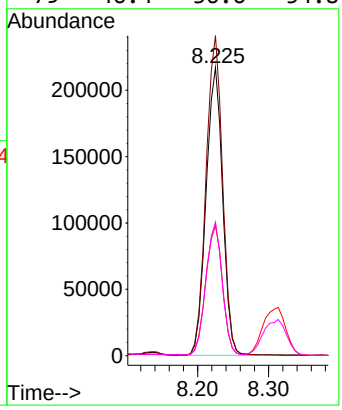


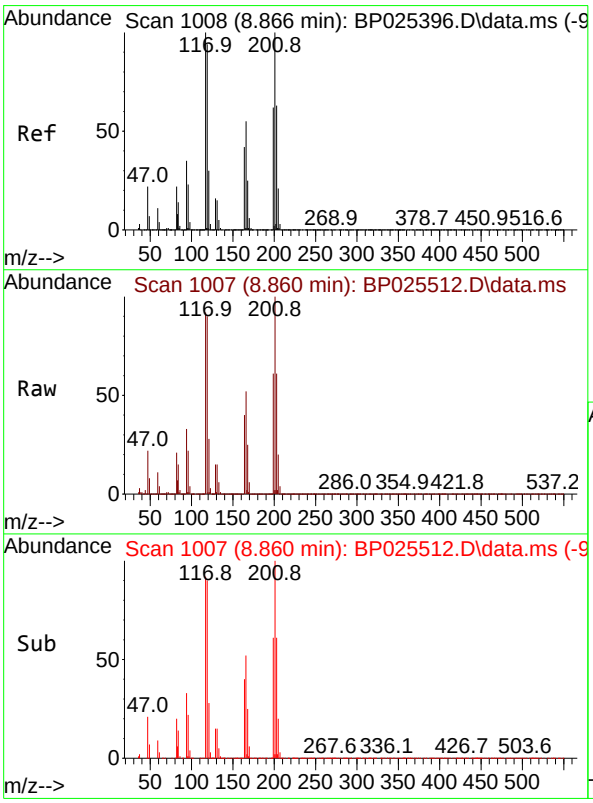
#17
2-Methylphenol
Concen: 37.654 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 352050

Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.2	36.3	54.5
79	46.4	36.6	54.8

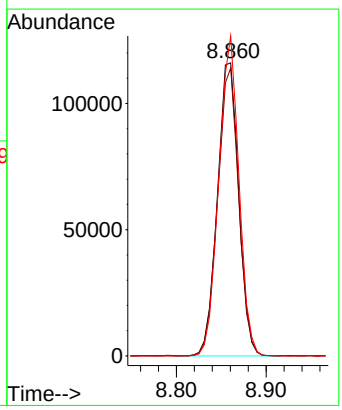


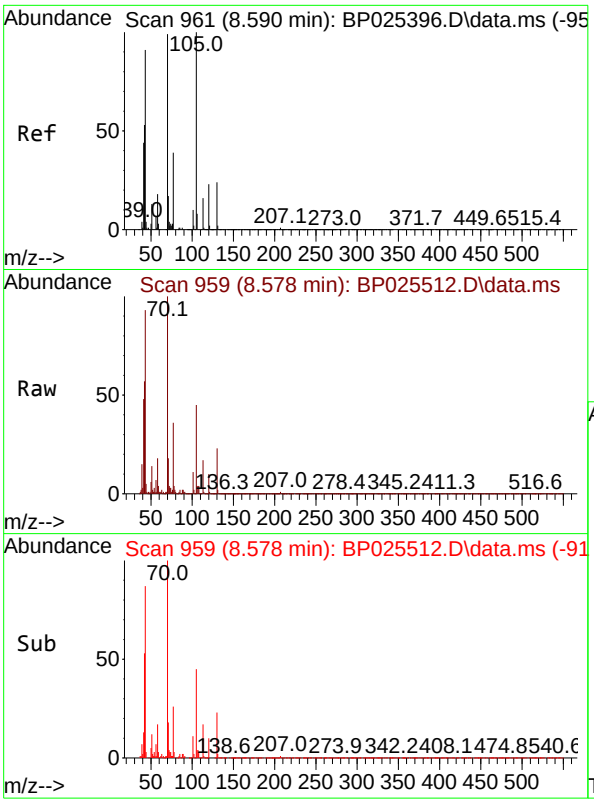


#18
Hexachloroethane
Concen: 41.047 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:117 Resp: 192071

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.1	112.7
201	109.2	80.1	120.1



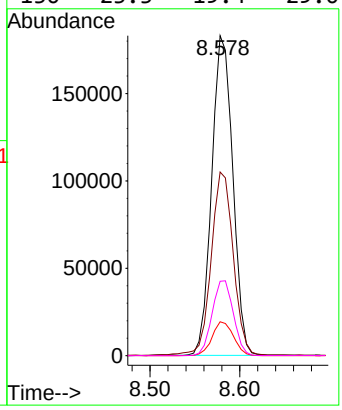


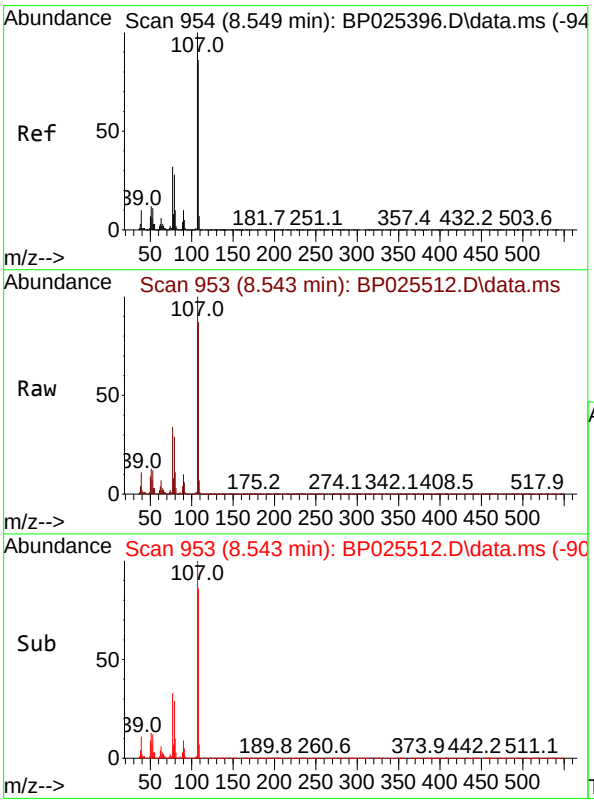
#19
n-Nitroso-di-n-propylamine
Concen: 35.024 ng
RT: 8.578 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 297628

Ion	Ratio	Lower	Upper
70	100		
42	57.4	43.8	65.6
101	10.6	8.5	12.7
130	23.3	19.4	29.0

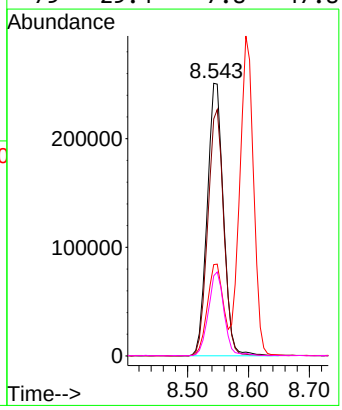


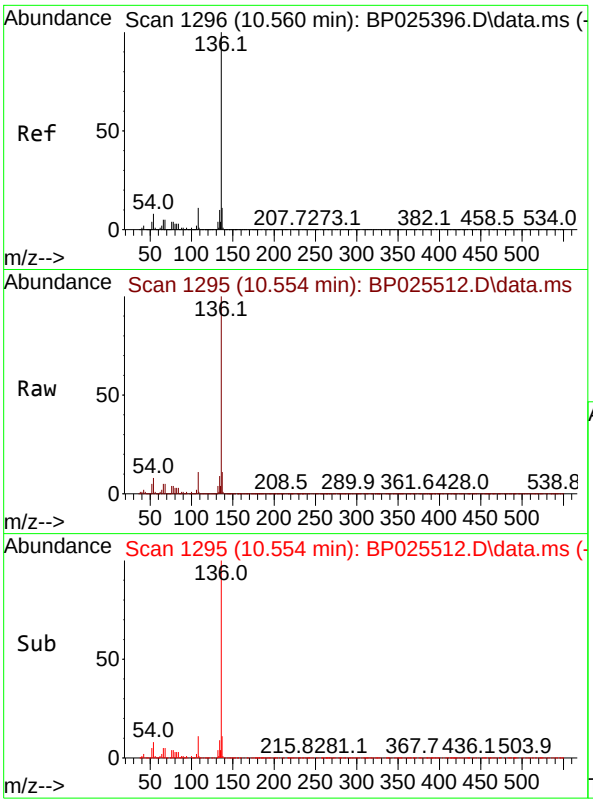


#20
3+4-Methylphenols
Concen: 35.797 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:107 Resp: 463927

Ion	Ratio	Lower	Upper
107	100		
108	86.9	66.3	106.3
77	33.5	12.3	52.3
79	29.4	7.8	47.8



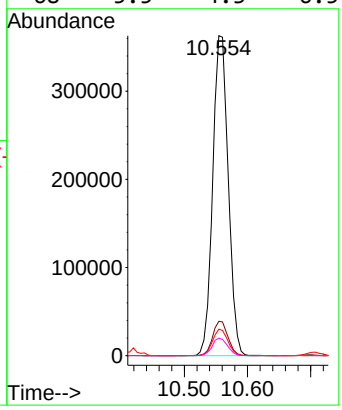


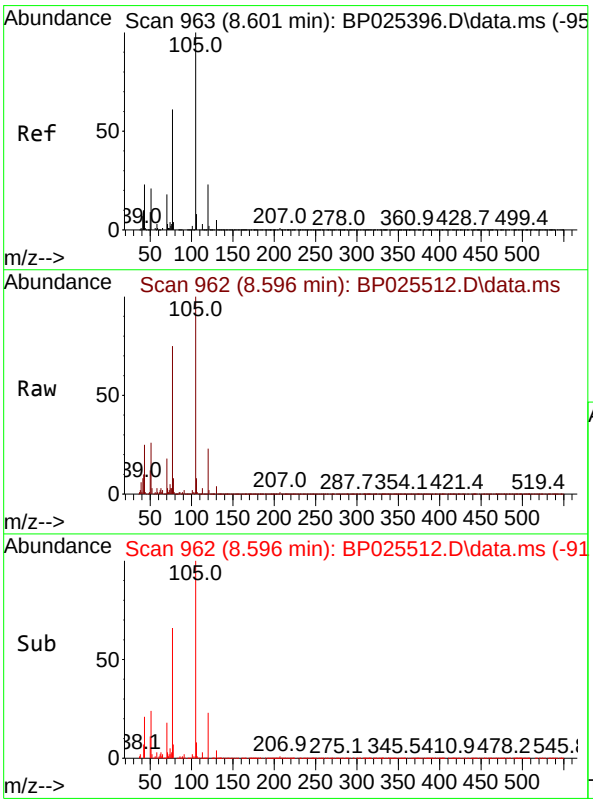
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 619421

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.3	6.0	9.0
68	5.5	4.3	6.5

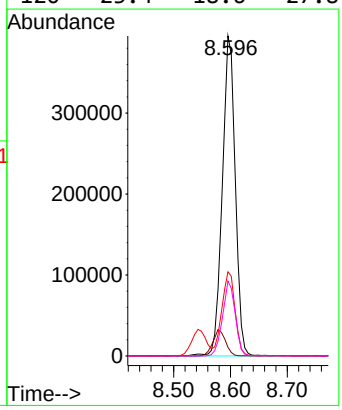


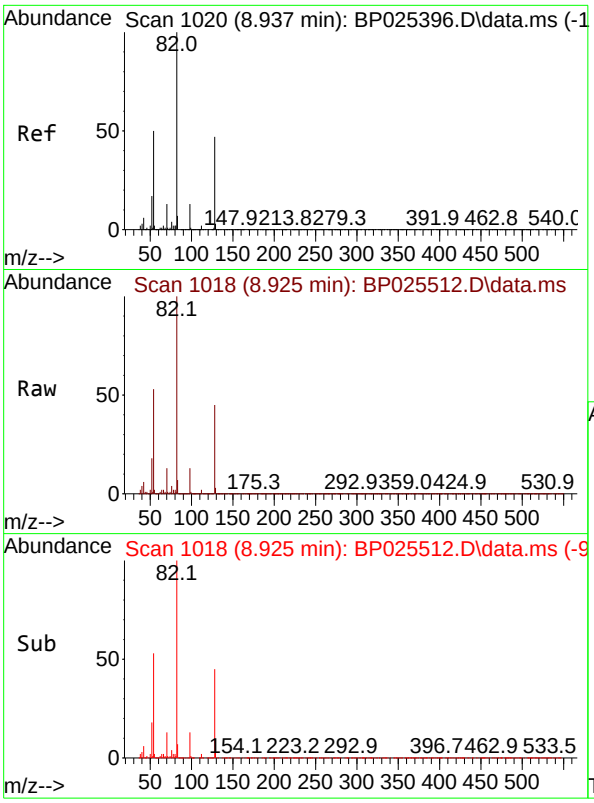


#22
Acetophenone
Concen: 40.553 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:105 Resp: 629950

Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.6	4.0
51	26.3	20.6	30.8
120	23.4	18.6	27.8



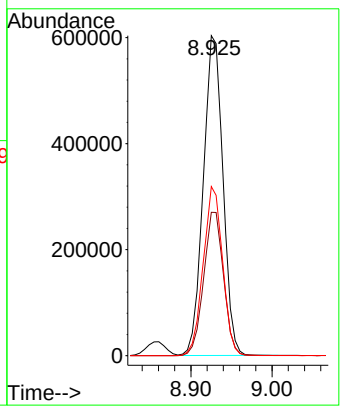


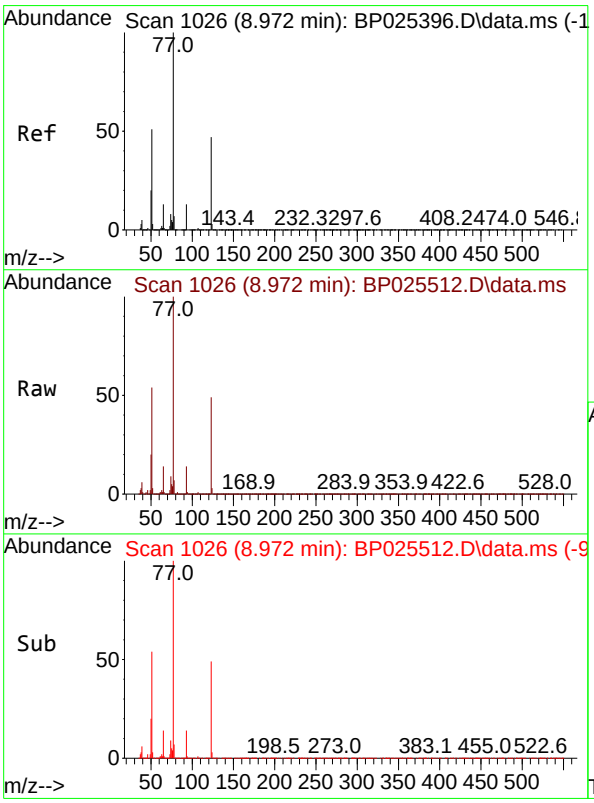
#23
Nitrobenzene-d5
Concen: 82.828 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1014236

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.7	56.5
54	52.9	39.8	59.6

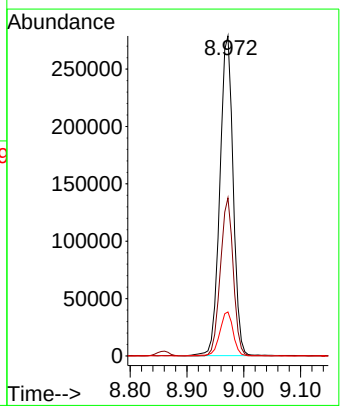


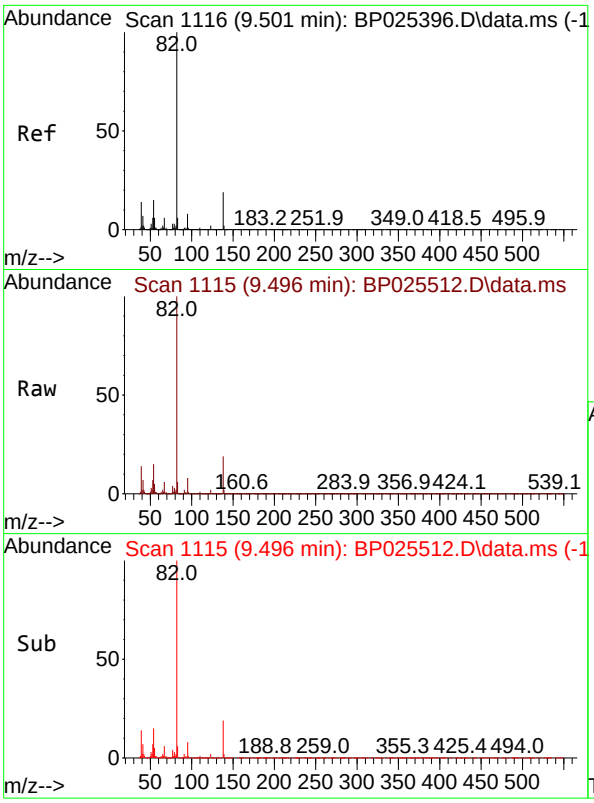


#24
Nitrobenzene
Concen: 41.561 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 77 Resp: 454821

Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.6	58.0
65	13.8	10.6	15.8



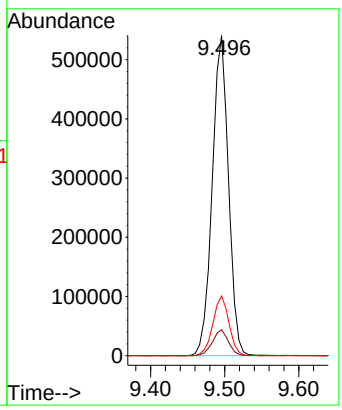


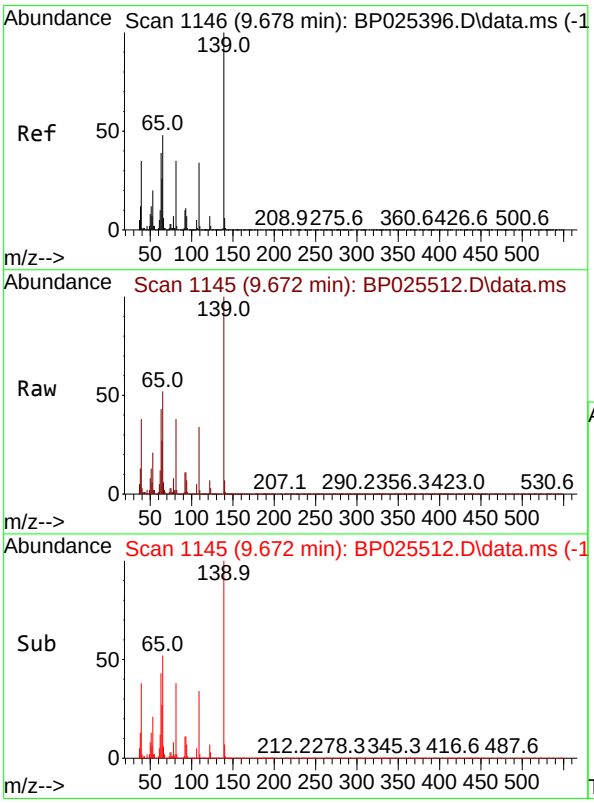
#25
Isophorone
Concen: 37.972 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 822867

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	15.4	23.0

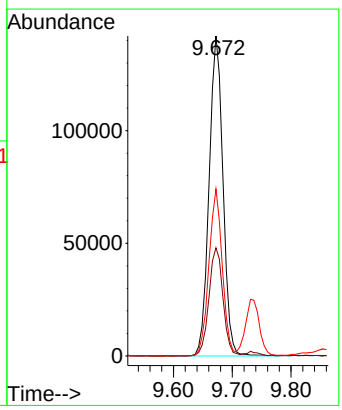


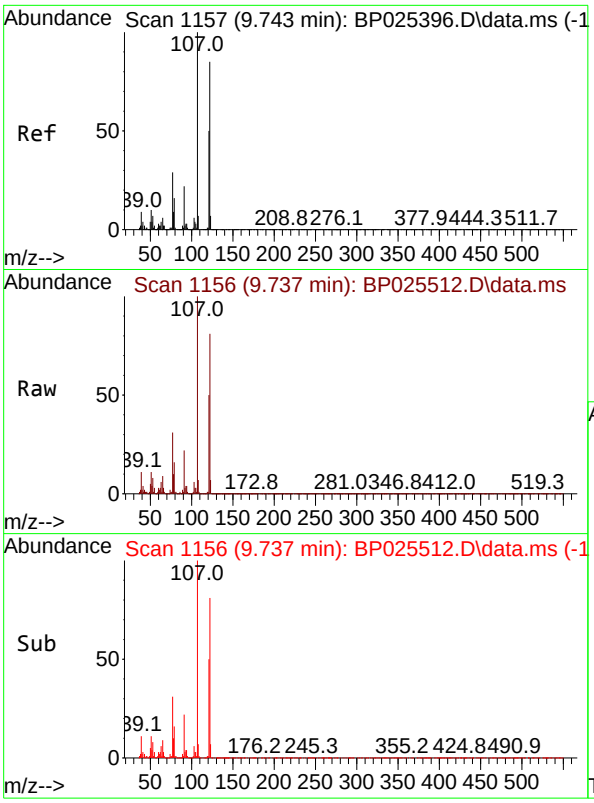


#26
2-Nitrophenol
Concen: 41.515 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:139 Resp: 233161

Ion	Ratio	Lower	Upper
139	100		
109	33.8	26.9	40.3
65	52.2	38.3	57.5



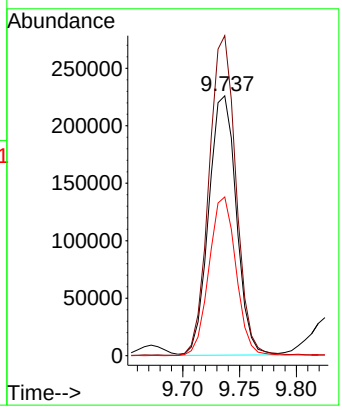


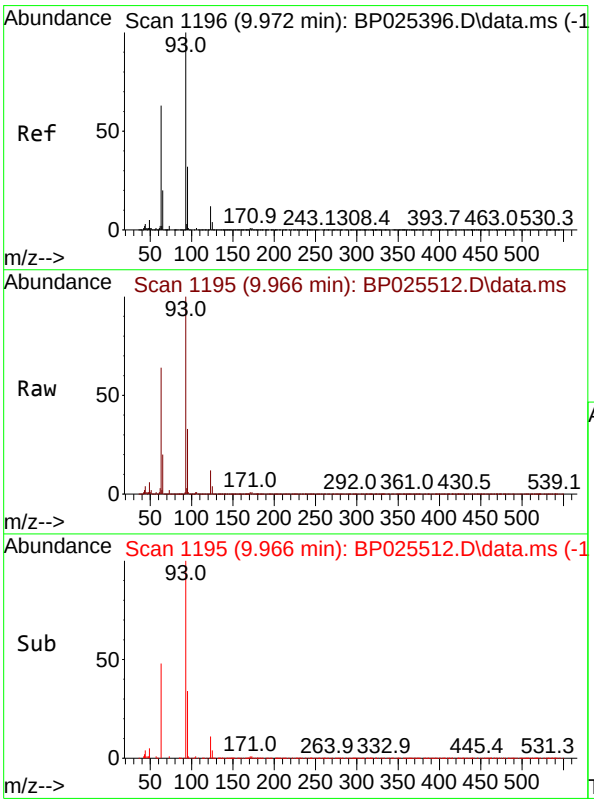
#27
2,4-Dimethylphenol
Concen: 39.508 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 381587

Ion	Ratio	Lower	Upper
122	100		
107	123.1	93.7	140.5
121	61.1	46.6	69.8

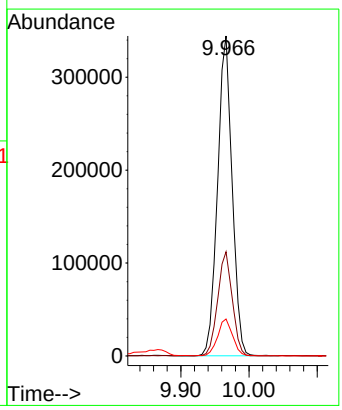


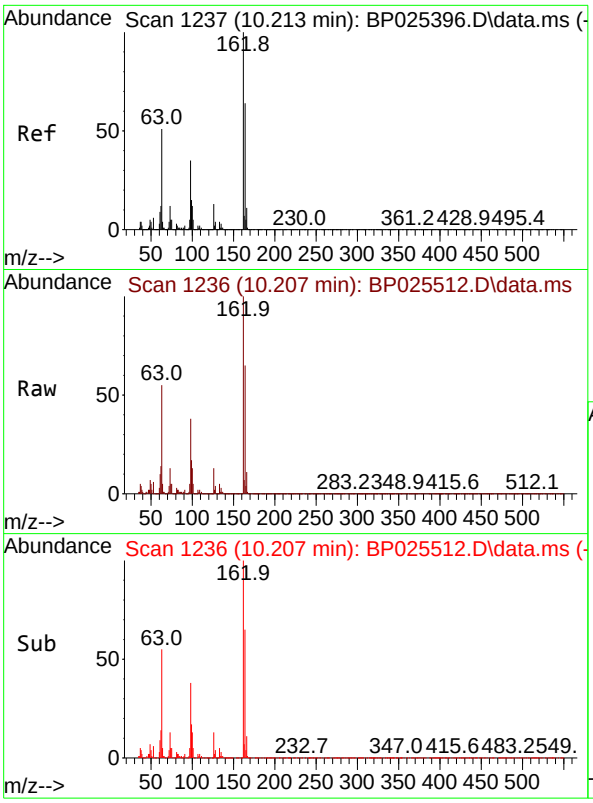


#28
bis(2-Chloroethoxy)methane
Concen: 39.085 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 93 Resp: 511989

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.5	9.4	14.0



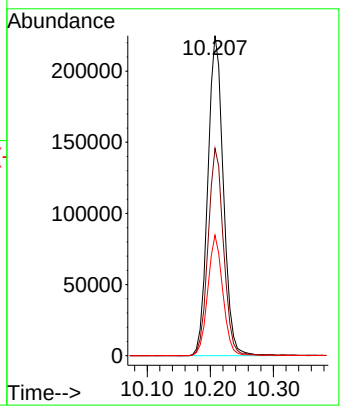


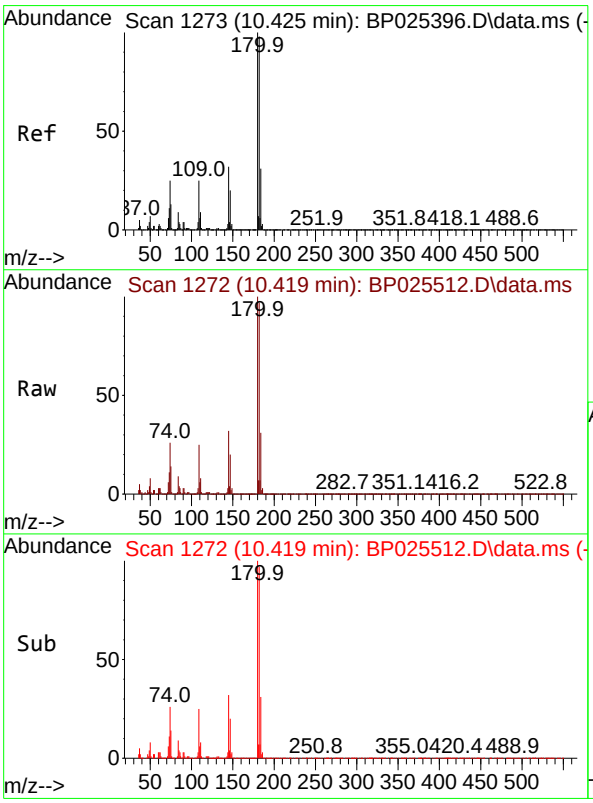
#29
2,4-Dichlorophenol
Concen: 40.068 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 384438

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.4	84.4
98	37.6	14.9	54.9

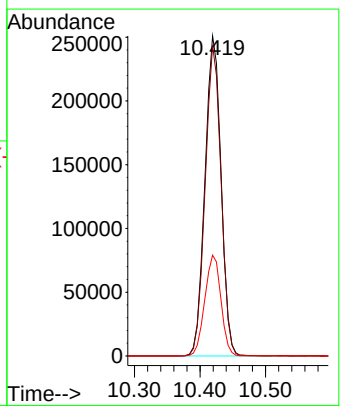


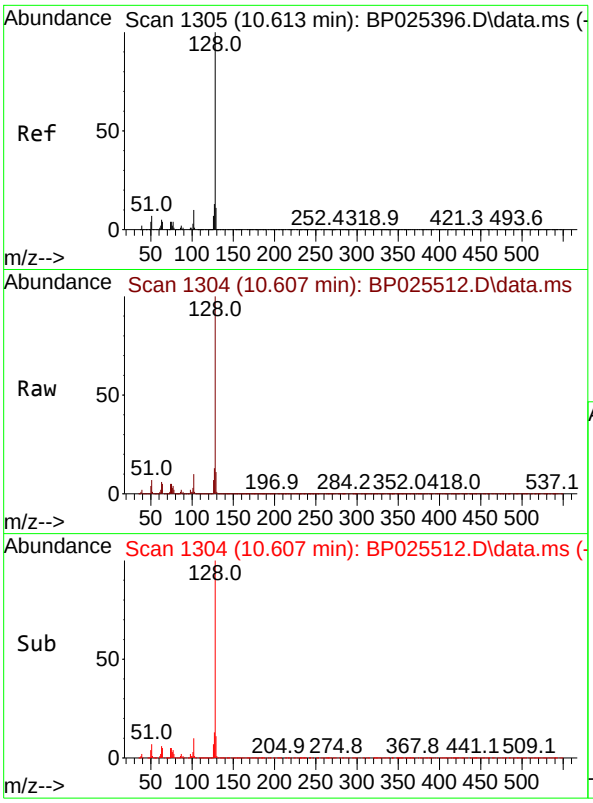


#30
1,2,4-Trichlorobenzene
Concen: 40.786 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:180 Resp: 428971

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.0	117.0
145	31.5	25.9	38.9



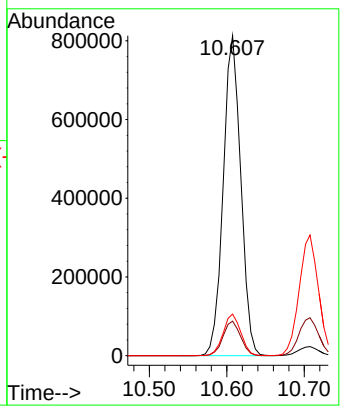


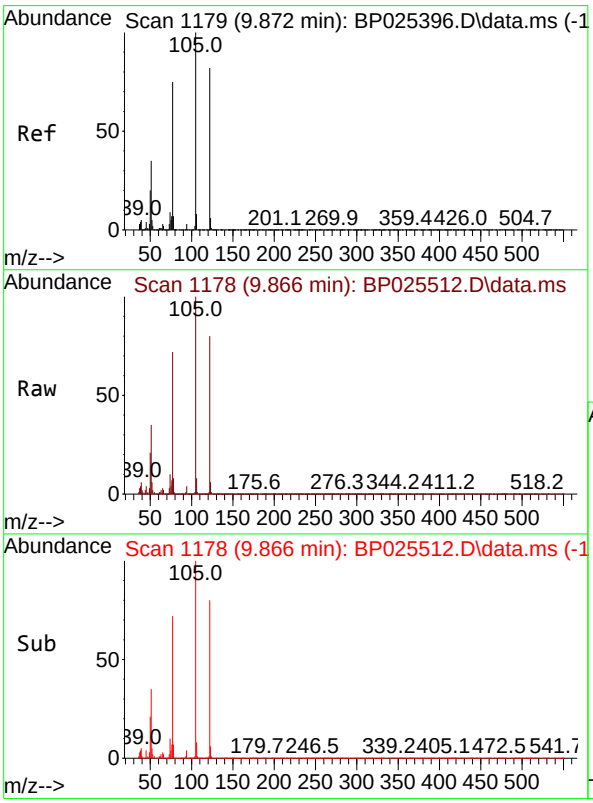
#31
Naphthalene
Concen: 39.747 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1279654

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.7	16.1

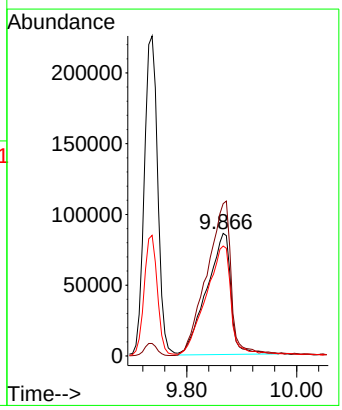


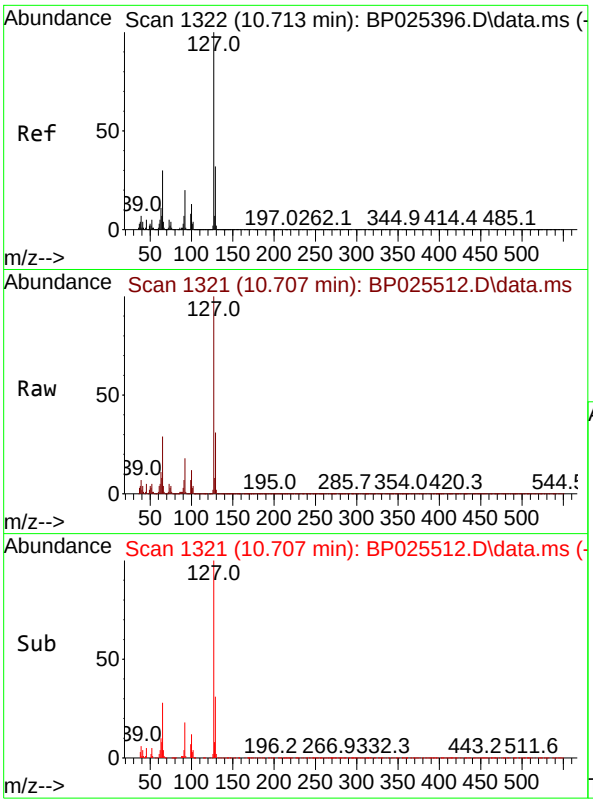


#32
Benzoic acid
Concen: 36.722 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:122 Resp: 261847

Ion	Ratio	Lower	Upper
122	100		
105	124.3	100.6	140.6
77	89.7	71.5	111.5



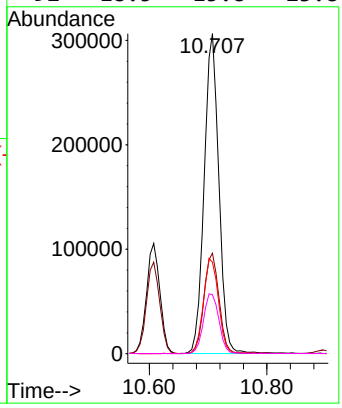


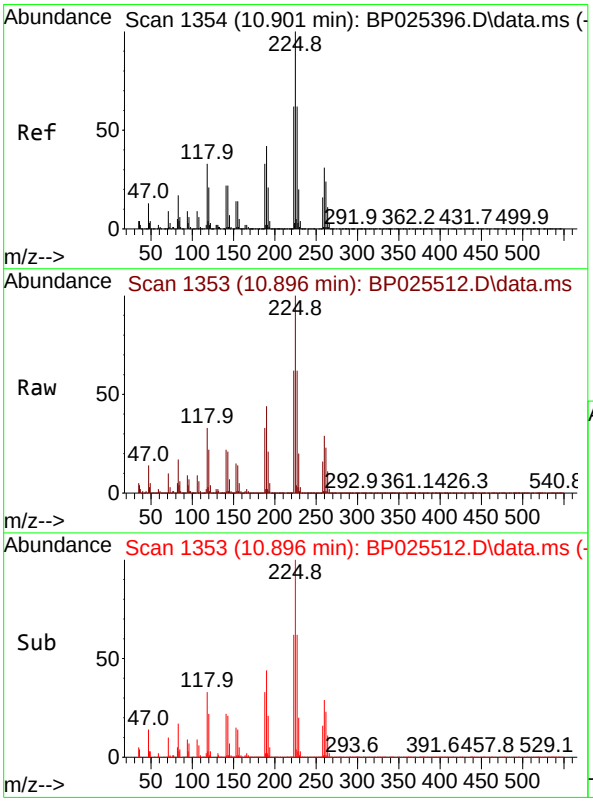
#33
4-Chloroaniline
Concen: 37.353 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 531205

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.4	38.2
65	28.5	23.8	35.6
92	18.5	15.8	23.8

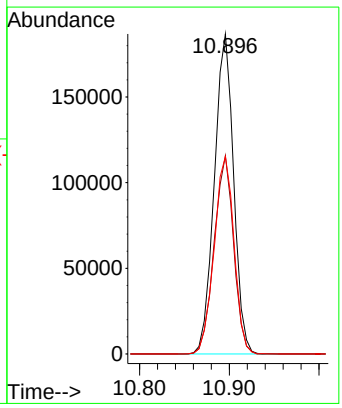


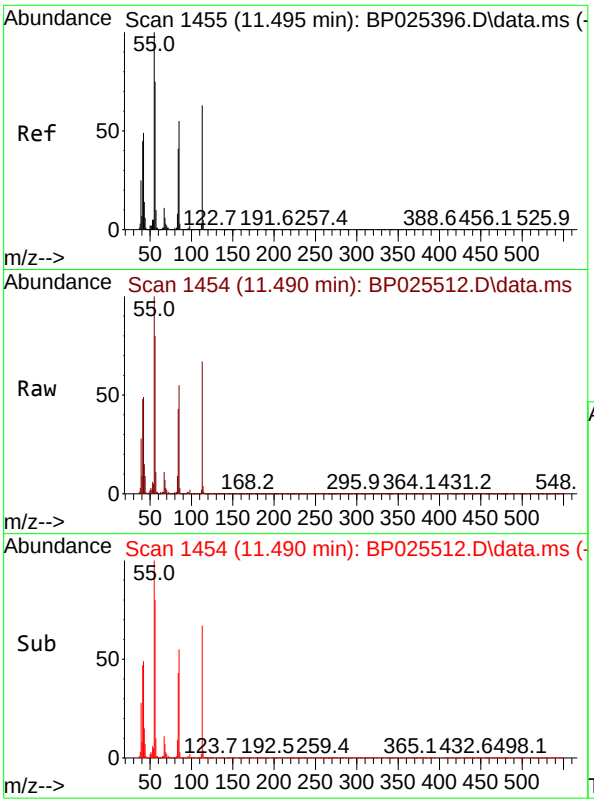


#34
Hexachlorobutadiene
Concen: 42.538 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:225 Resp: 278633

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	61.7	49.7	74.5



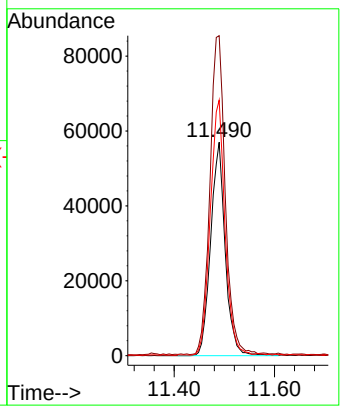


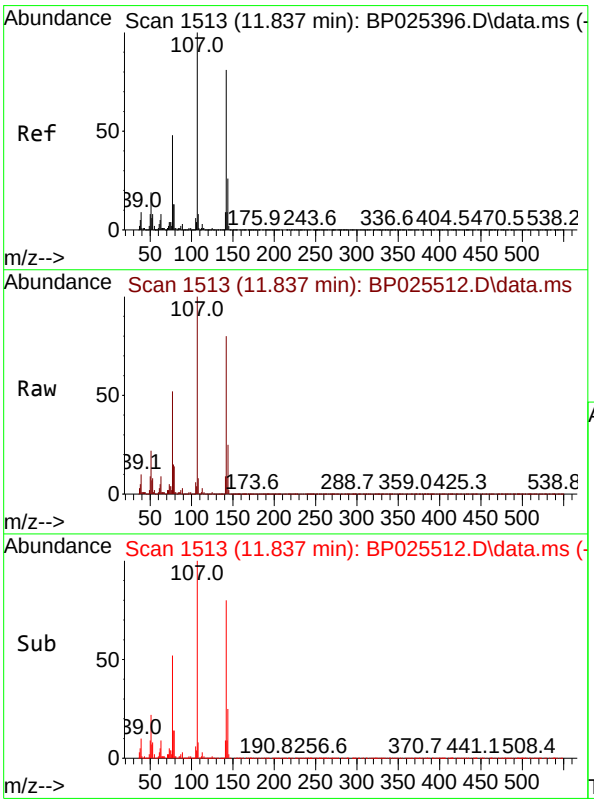
#35
Caprolactam
Concen: 32.534 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 114461

Ion	Ratio	Lower	Upper
113	100		
55	149.9	140.0	180.0
56	119.7	100.0	140.0

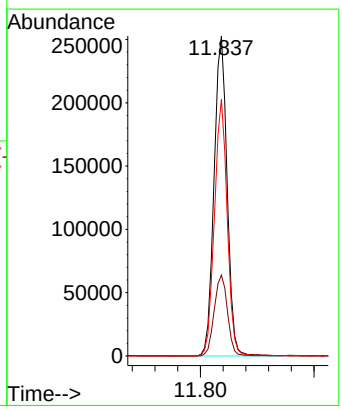


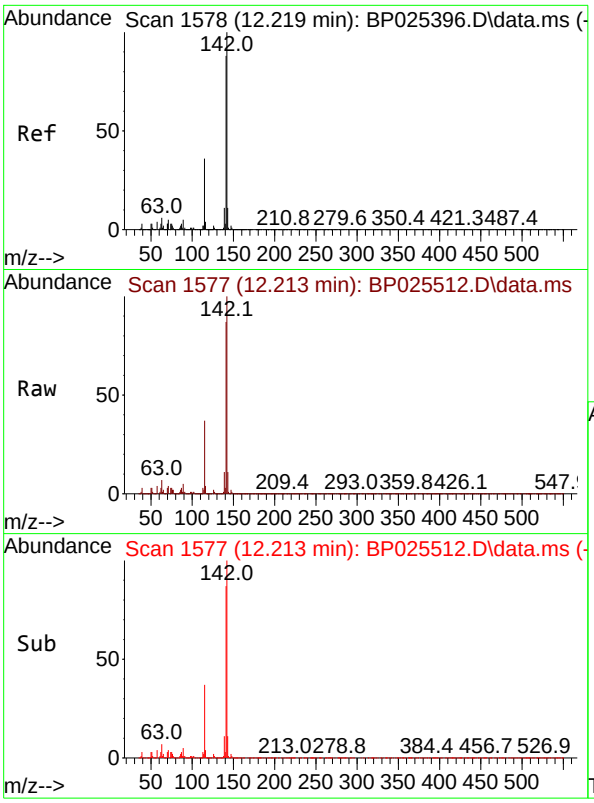


#36
4-Chloro-3-methylphenol
Concen: 36.511 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:107 Resp: 401963

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.0	31.4
142	80.2	64.6	97.0



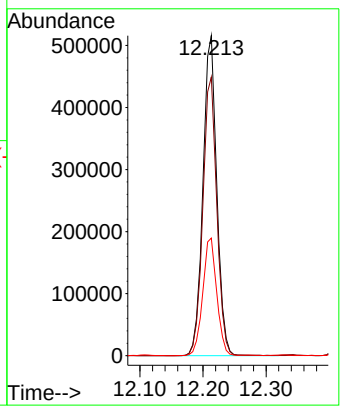


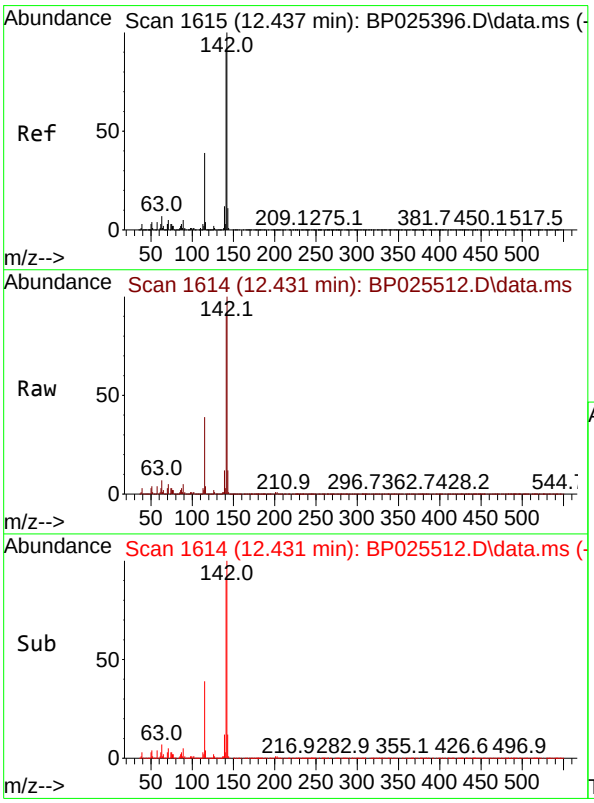
#37
2-Methylnaphthalene
Concen: 37.407 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 783727

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.3	105.5
115	36.8	28.9	43.3

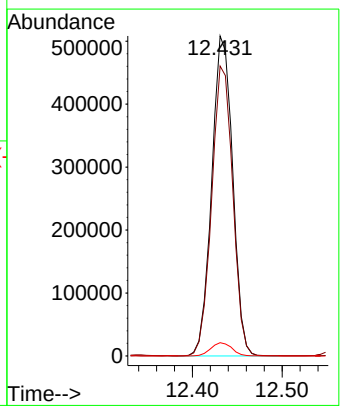


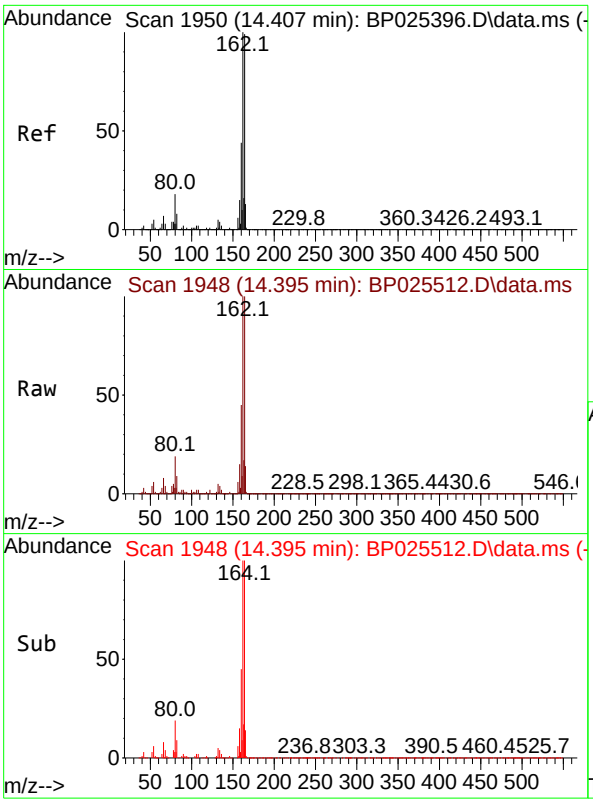


#38
1-Methylnaphthalene
Concen: 36.937 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:142 Resp: 822994

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.1	109.7
116	4.2	3.2	4.8



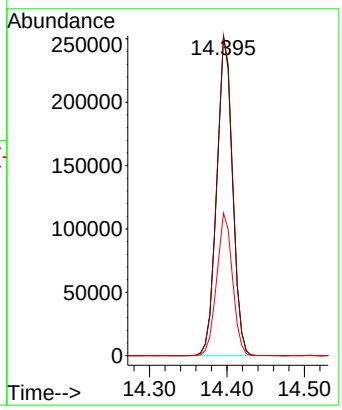


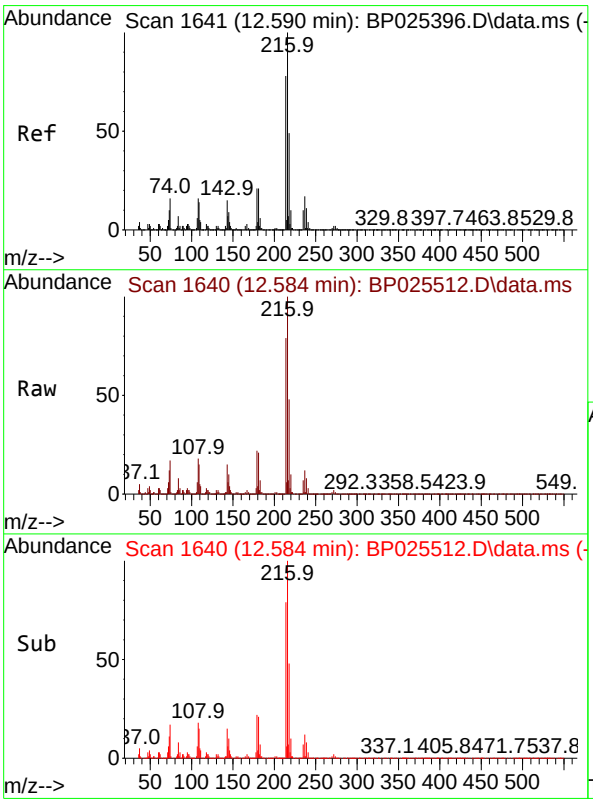
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 355189

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.0	121.6
160	44.6	35.4	53.2

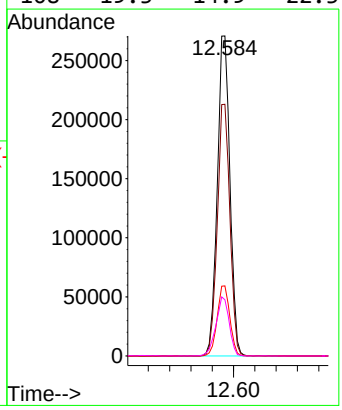


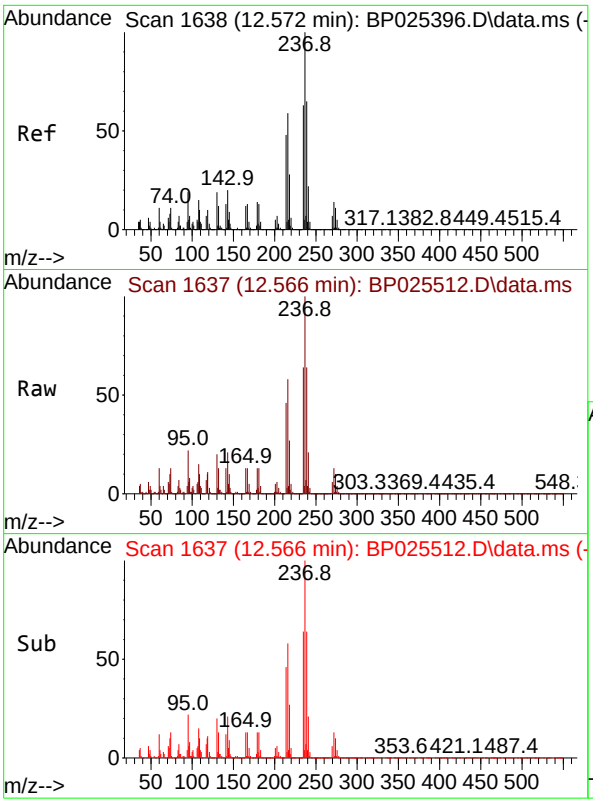


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.350 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:216 Resp: 444699

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.0	17.1	25.7
108	19.3	14.9	22.3



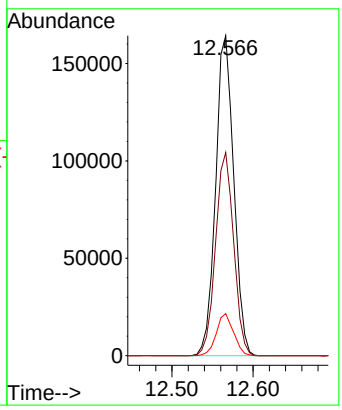


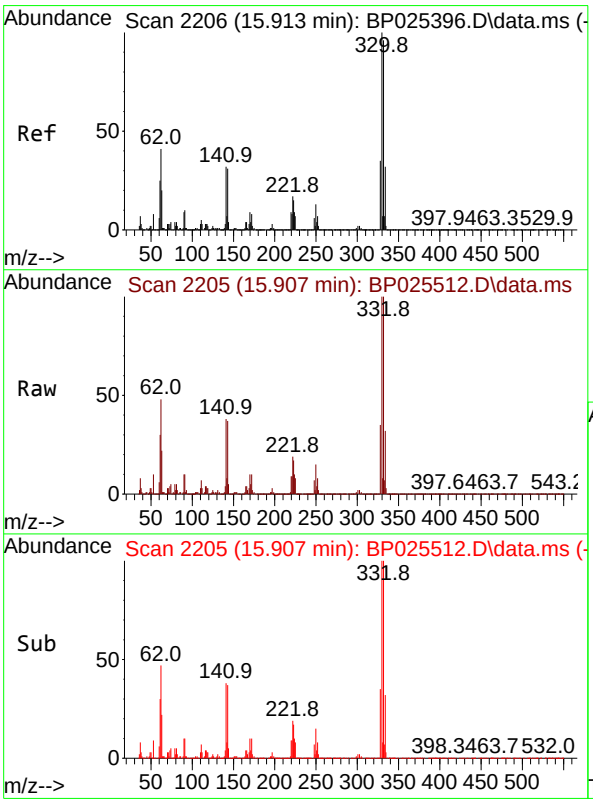
#41
Hexachlorocyclopentadiene
Concen: 41.195 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 255262

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.7	82.7
272	13.1	0.0	34.0

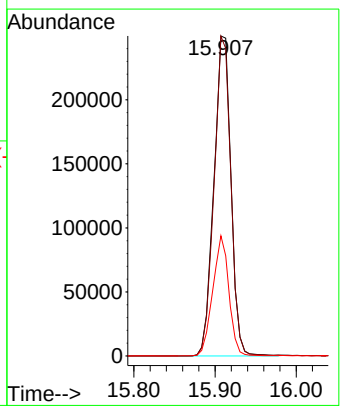


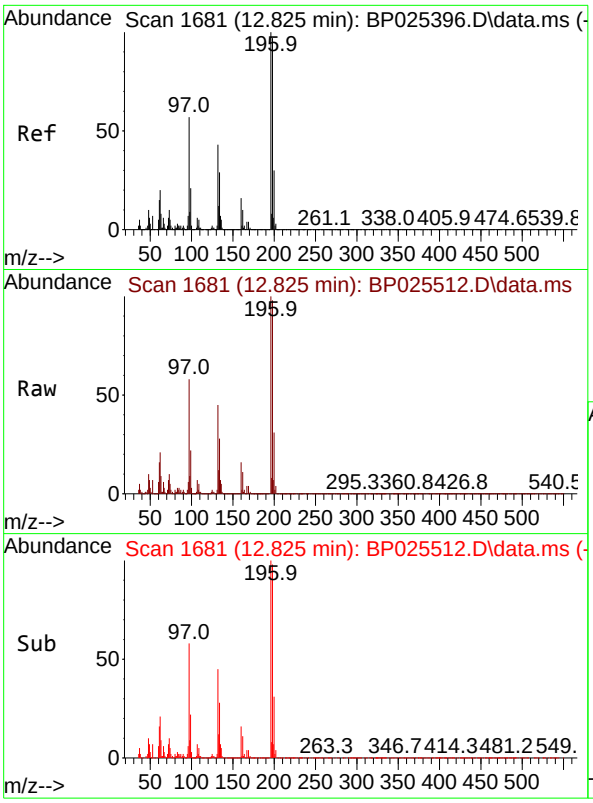


#42
2,4,6-Tribromophenol
Concen: 76.447 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:330 Resp: 365485

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	35.5	26.6	39.8



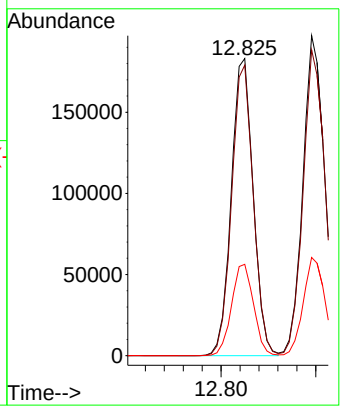


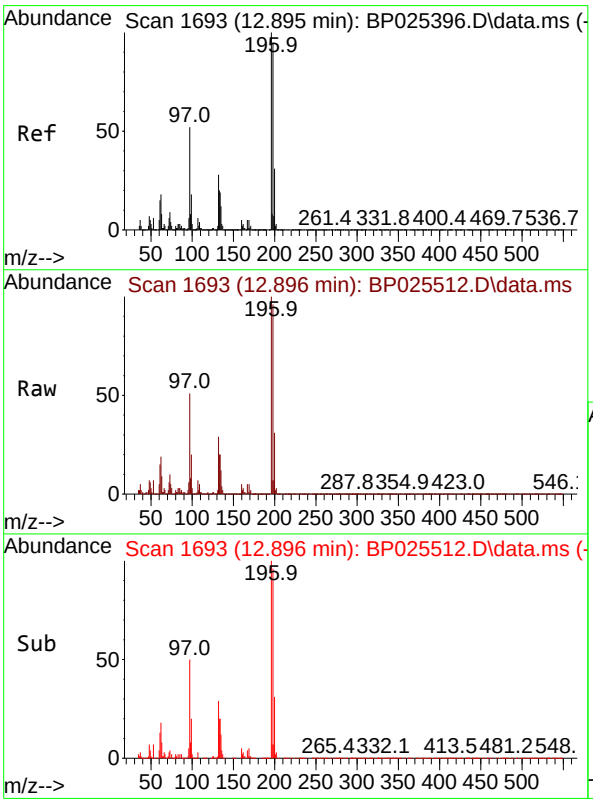
#43
2,4,6-Trichlorophenol
Concen: 42.446 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 293959

Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.2	115.8
200	30.7	23.9	35.9

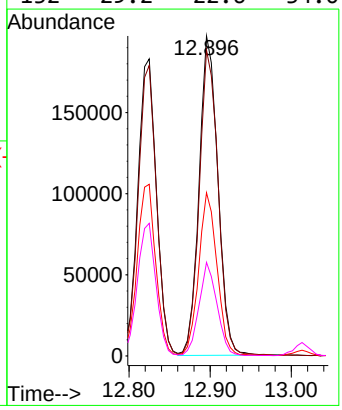


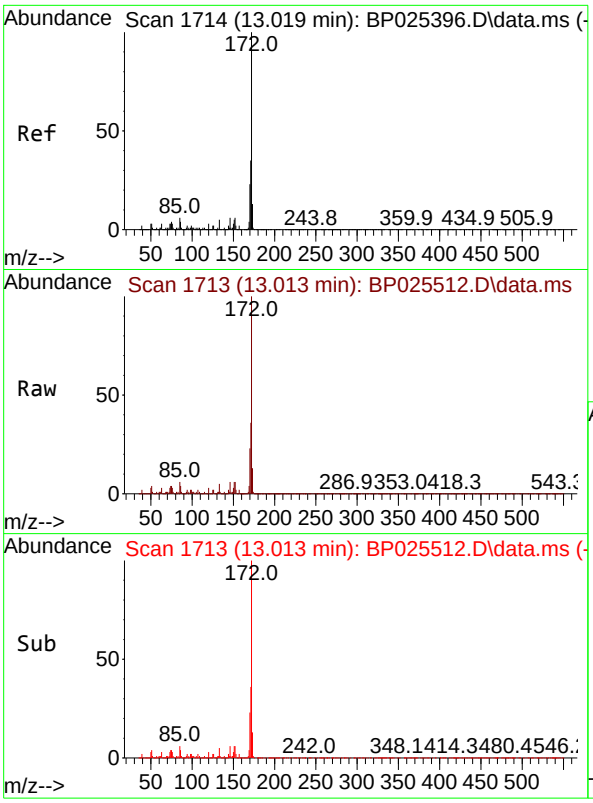


#44
2,4,5-Trichlorophenol
Concen: 41.744 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:196 Resp: 316844

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.2	114.2
97	51.0	41.2	61.8
132	29.2	22.6	34.0



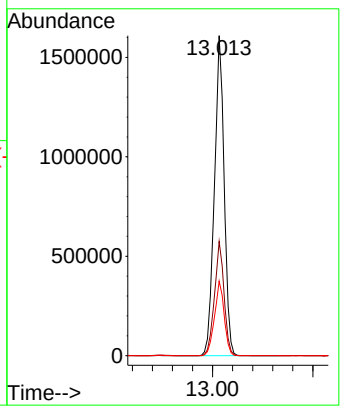


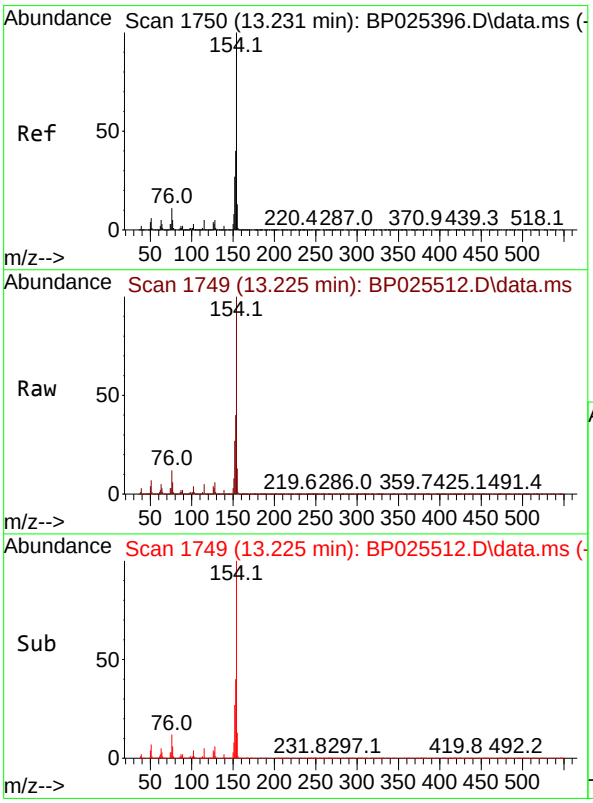
#45
2-Fluorobiphenyl
Concen: 83.434 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2168370

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	23.3	18.6	28.0

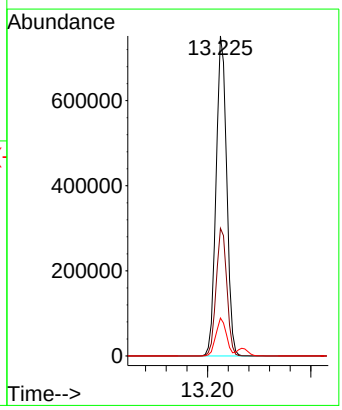


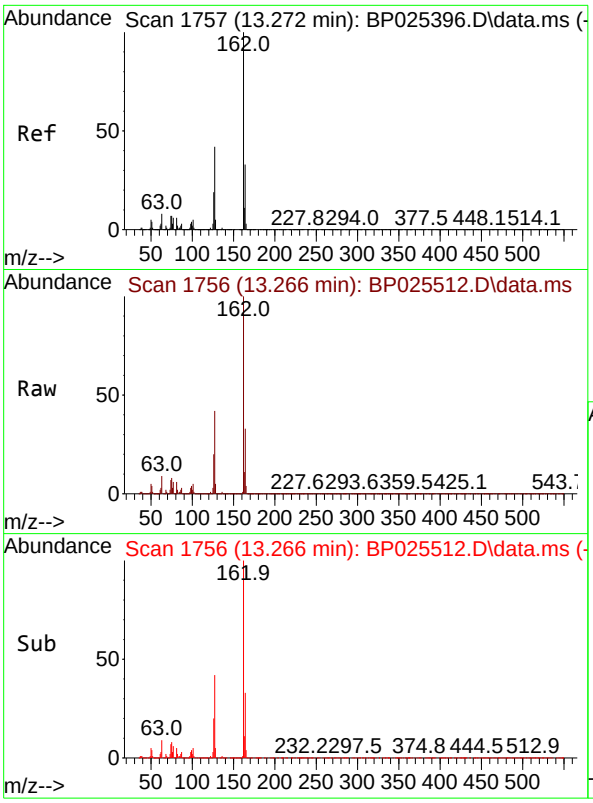


#46
1,1'-Biphenyl
Concen: 41.508 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:154 Resp: 1070736

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.5	59.5
76	11.9	0.0	31.1



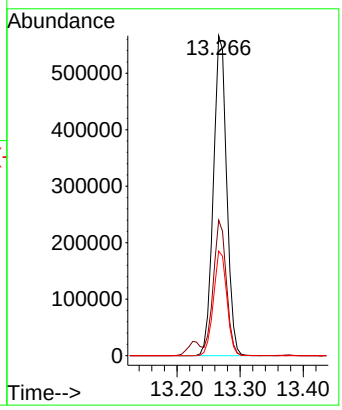


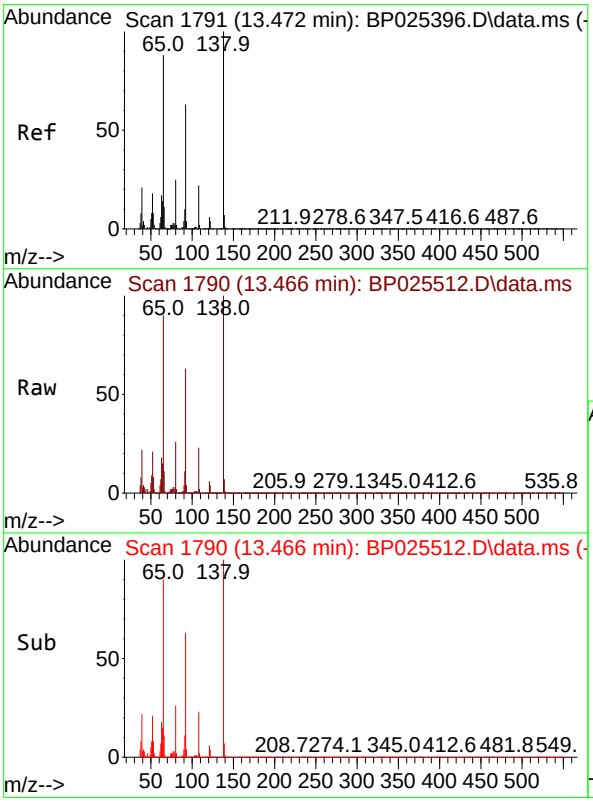
#47
2-Chloronaphthalene
Concen: 41.219 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 827743

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.4	50.2
164	32.7	26.2	39.2

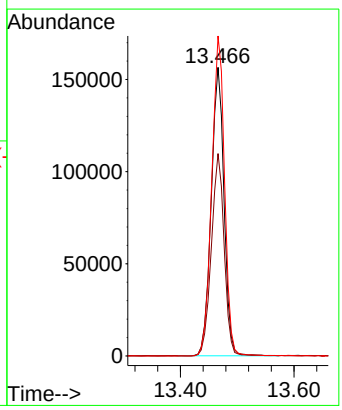


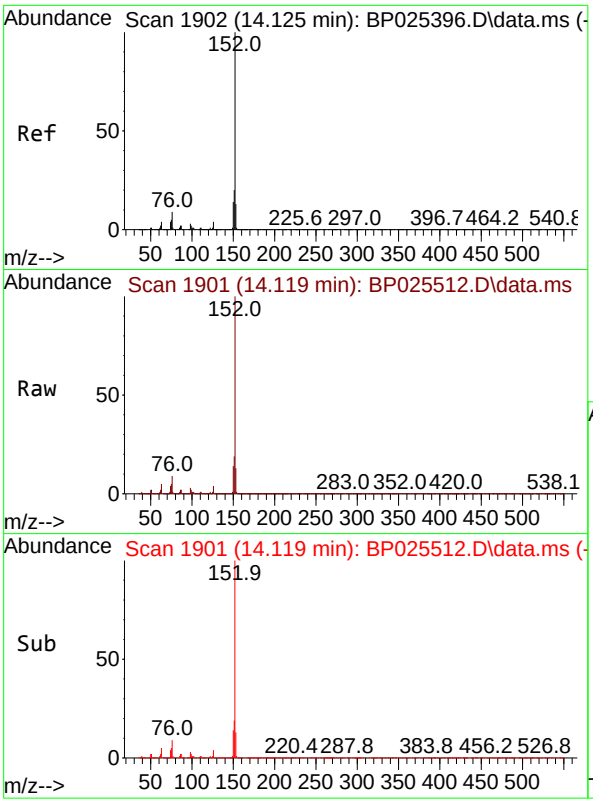


#48
2-Nitroaniline
Concen: 41.628 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion: 65 Resp: 243579

Ion	Ratio	Lower	Upper
65	100		
92	70.1	57.6	86.4
138	110.9	91.0	136.6



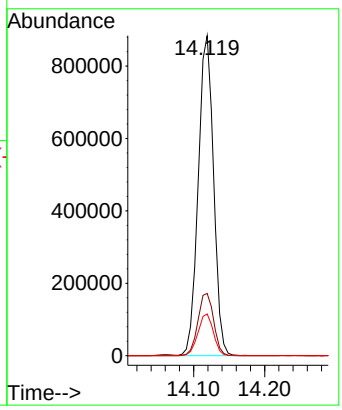


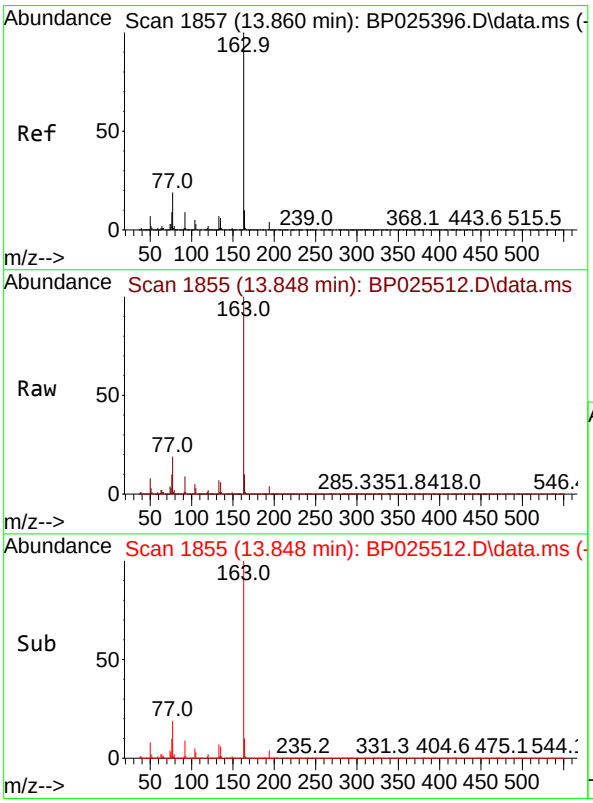
#49
Acenaphthylene
Concen: 40.001 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1329242

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	13.1	10.6	15.8

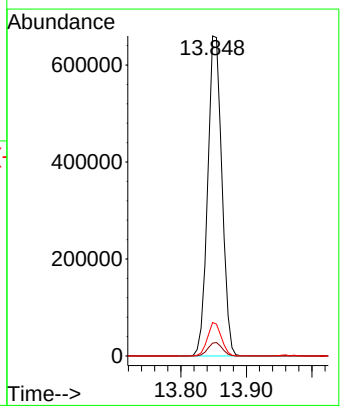


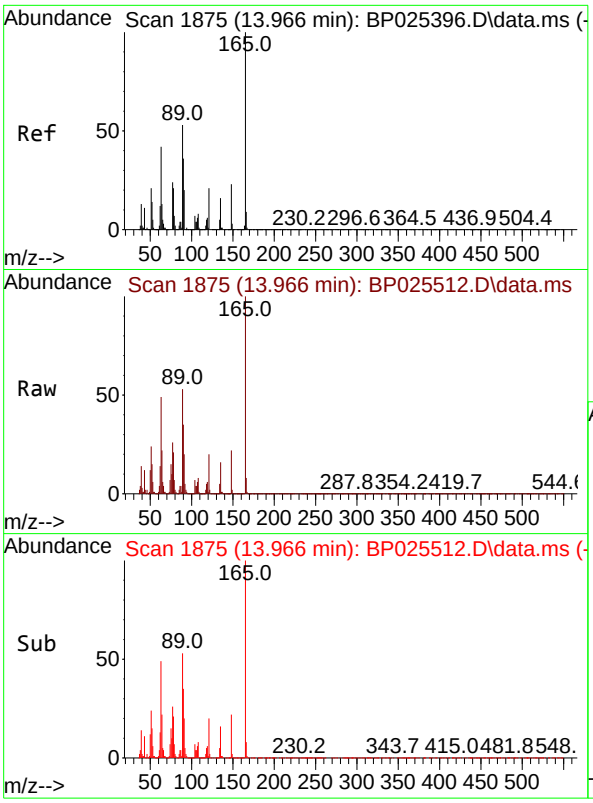


#50
Dimethylphthalate
Concen: 38.219 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:163 Resp: 994069

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.4	7.9	11.9



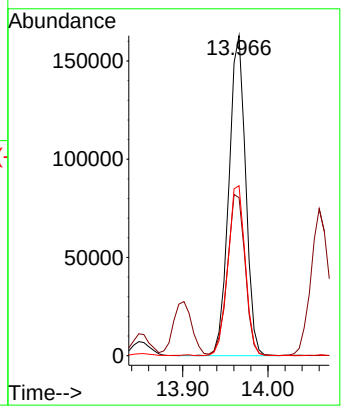


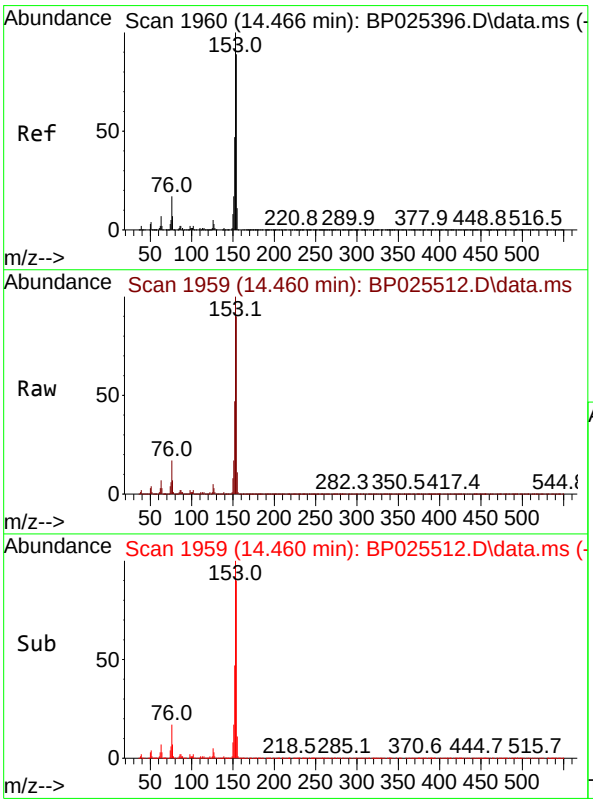
#51
2,6-Dinitrotoluene
Concen: 40.576 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 222447

Ion	Ratio	Lower	Upper
165	100		
63	49.4	40.9	61.3
89	53.1	42.1	63.1

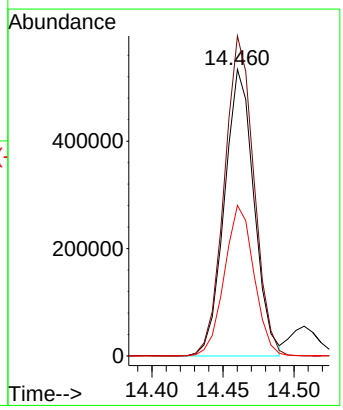


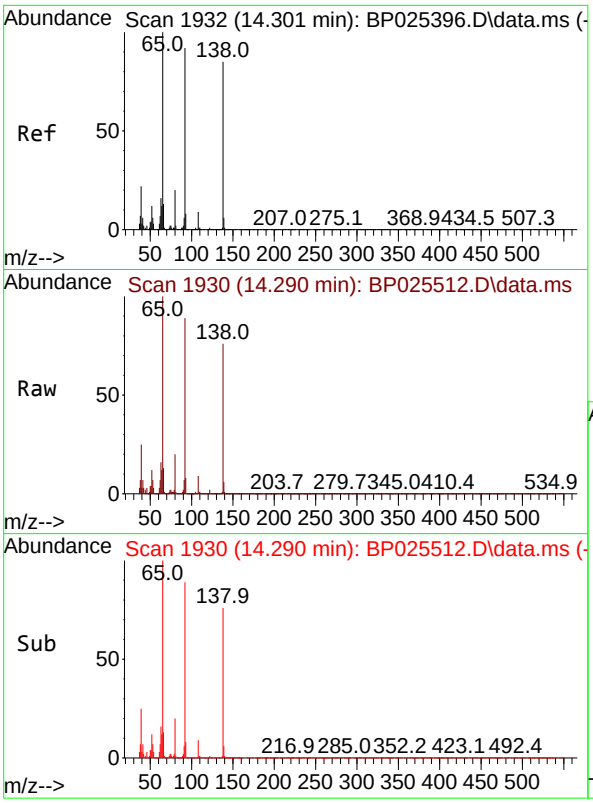


#52
Acenaphthene
Concen: 39.546 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:154 Resp: 771351

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	52.5	42.1	63.1



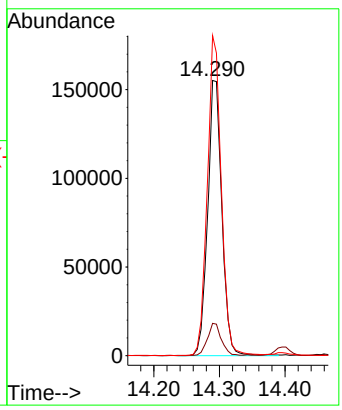


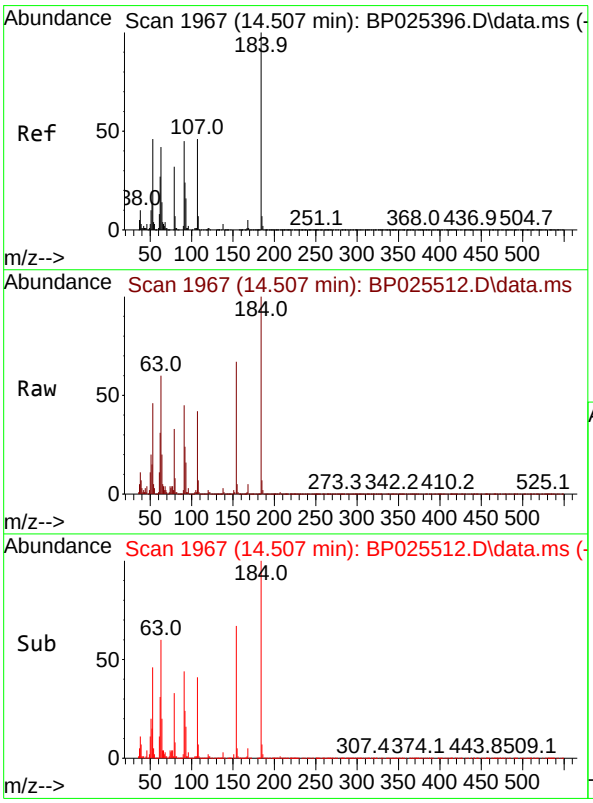
#53
3-Nitroaniline
Concen: 37.912 ng
RT: 14.290 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 233840

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.3	12.5
92	116.3	86.2	129.2

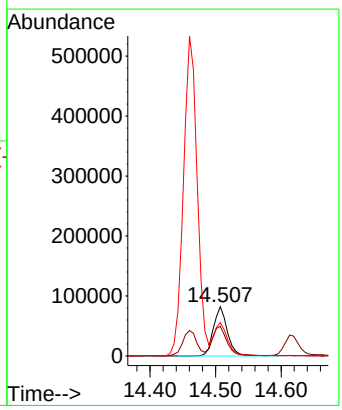


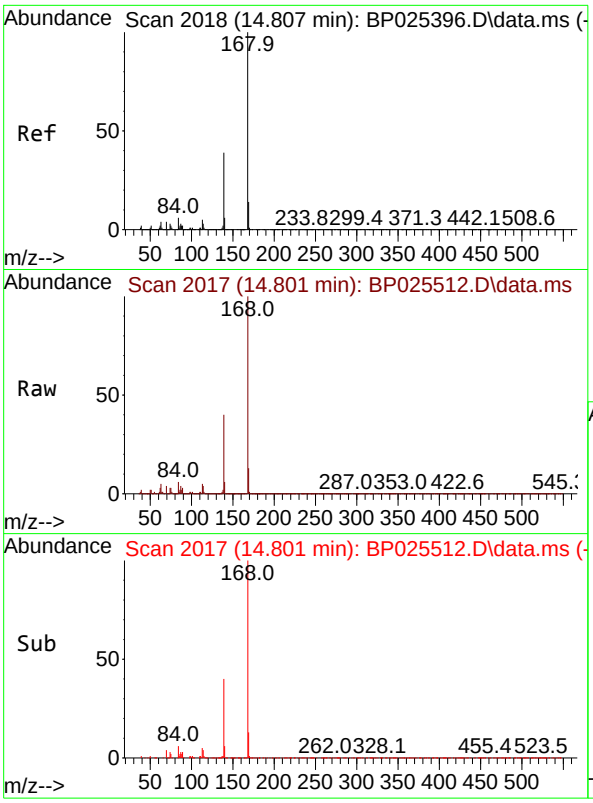


#54
2,4-Dinitrophenol
Concen: 41.686 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:184 Resp: 122042

Ion	Ratio	Lower	Upper
184	100		
63	60.0	49.4	74.2
154	67.5	54.6	82.0



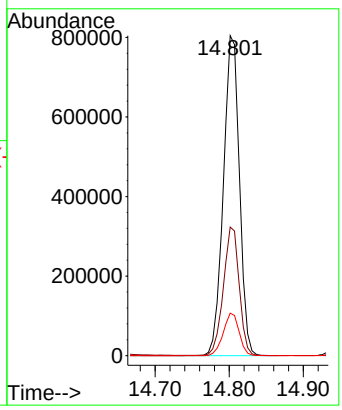


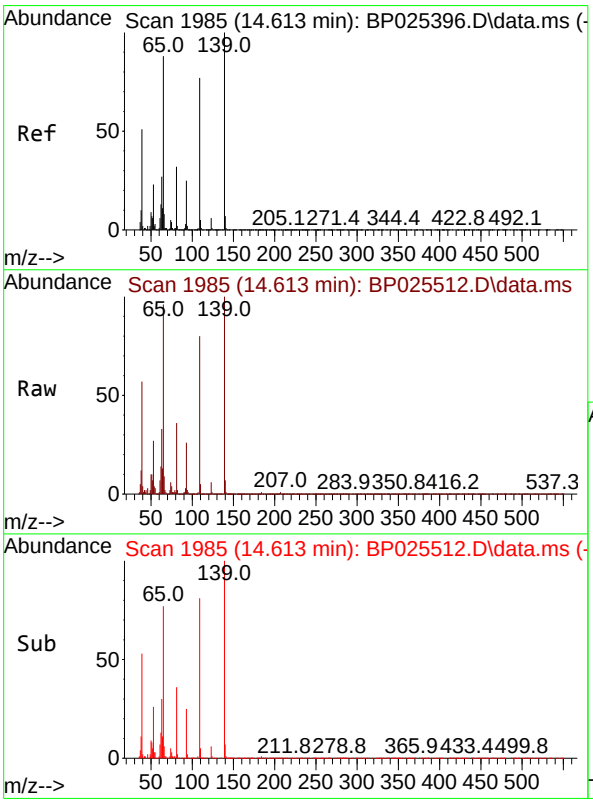
#55
Dibenzofuran
Concen: 39.221 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1209507

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.5	47.3
169	13.3	10.9	16.3

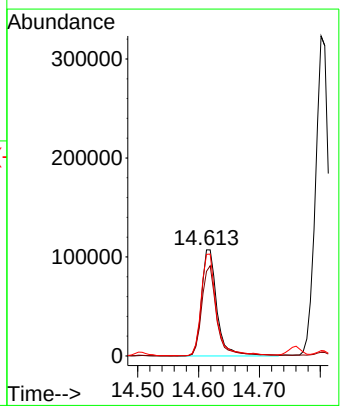


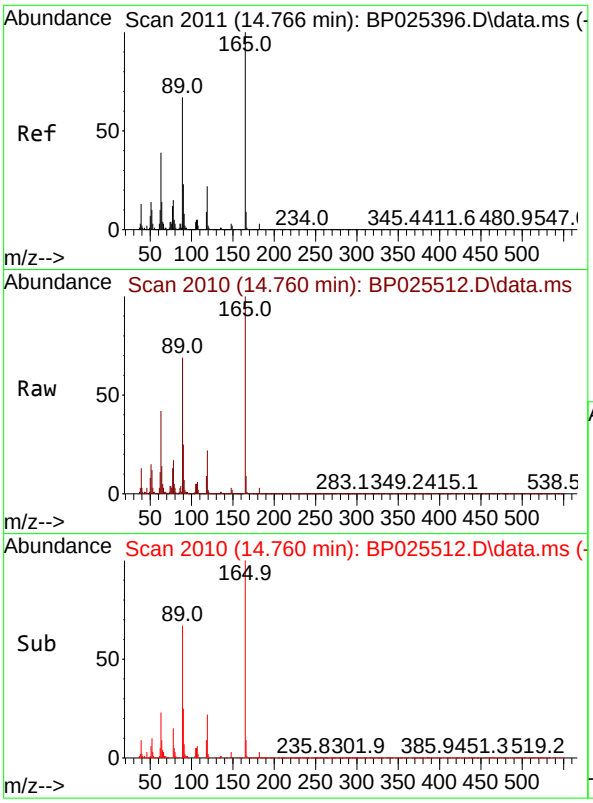


#56
4-Nitrophenol
Concen: 37.212 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:139 Resp: 188606

Ion	Ratio	Lower	Upper
139	100		
109	79.8	56.6	96.6
65	95.8	68.2	108.2



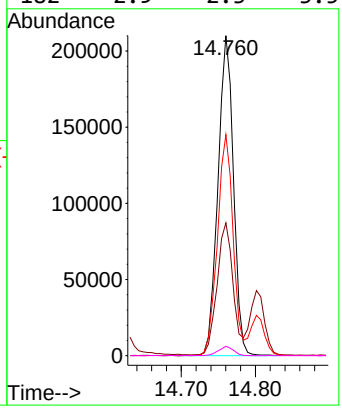


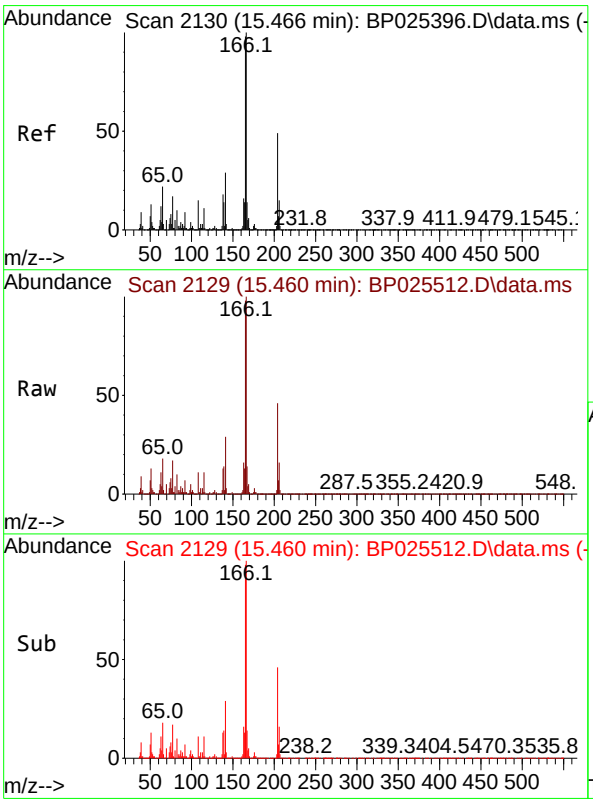
#57
2,4-Dinitrotoluene
Concen: 39.004 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 305079

Ion	Ratio	Lower	Upper
165	100		
63	41.5	31.4	47.2
89	69.1	53.3	79.9
182	2.9	2.3	3.5

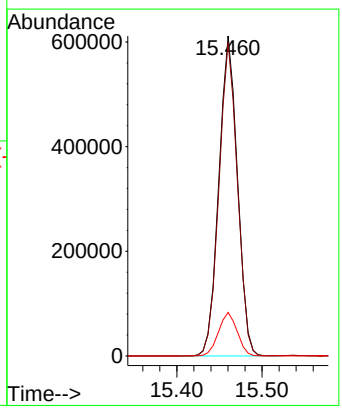


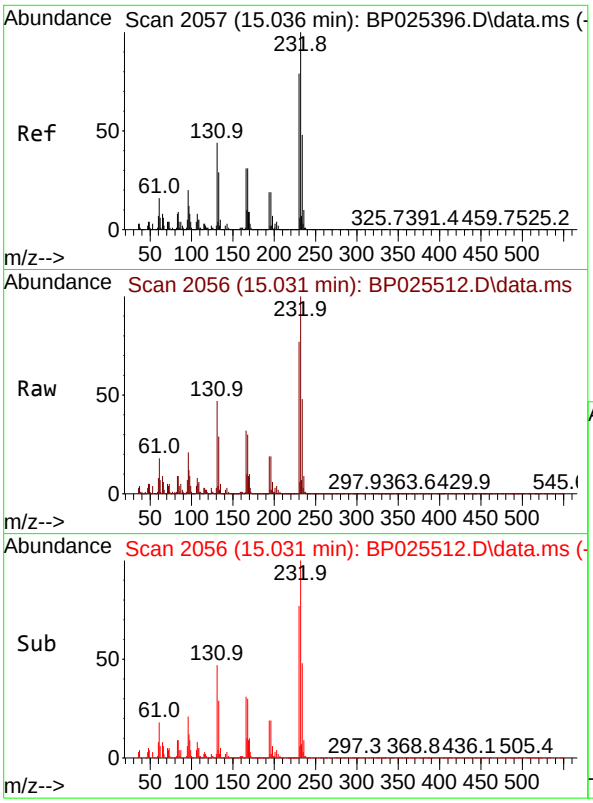


#58
Fluorene
Concen: 38.132 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:166 Resp: 927874

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	13.6	11.0	16.4



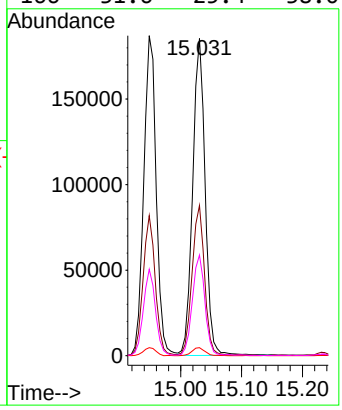


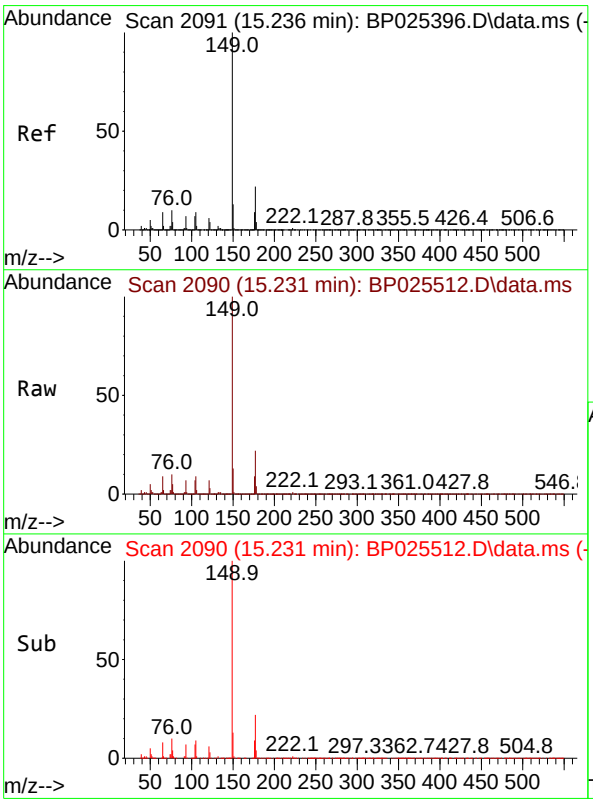
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.405 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 264092

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.6	1.9	2.9
166	31.6	25.4	38.0

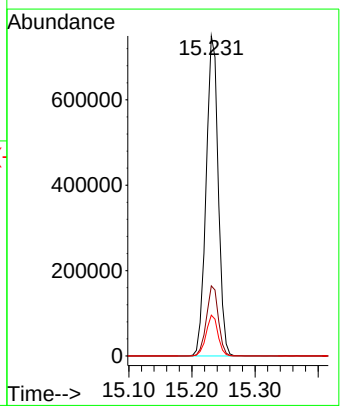


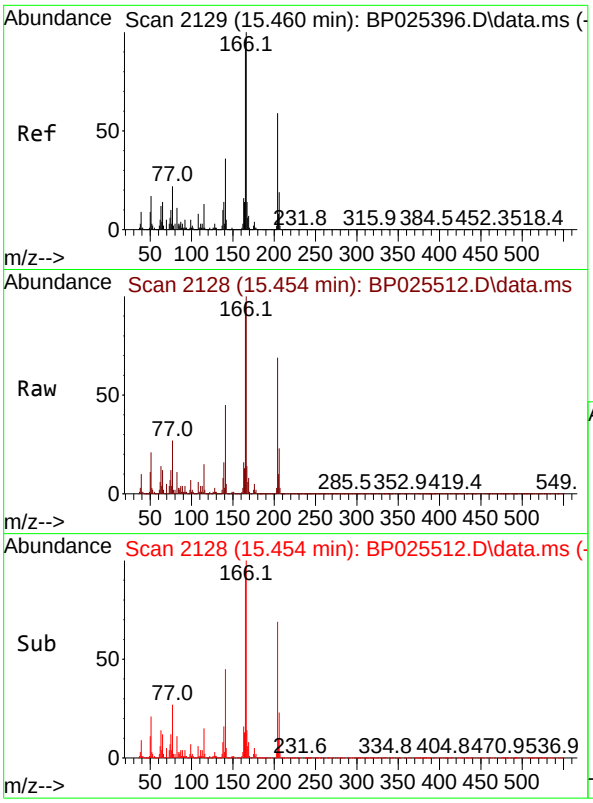


#60
Diethylphthalate
Concen: 37.688 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 996051

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5



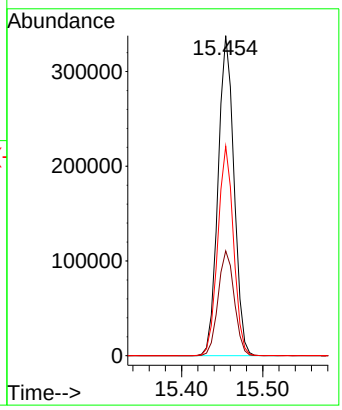


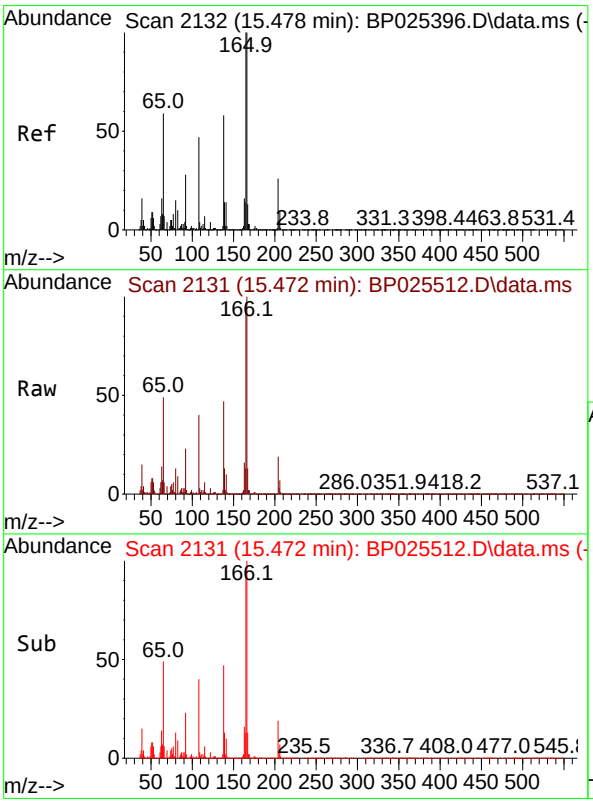
#61
4-Chlorophenyl-phenylether
Concen: 38.204 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 462336

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	65.4	49.4	74.2

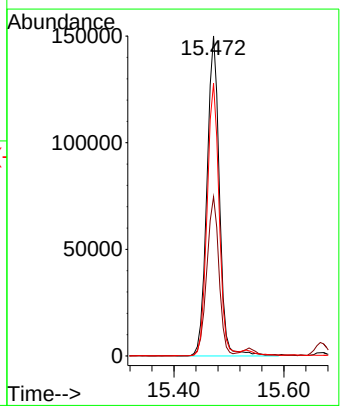


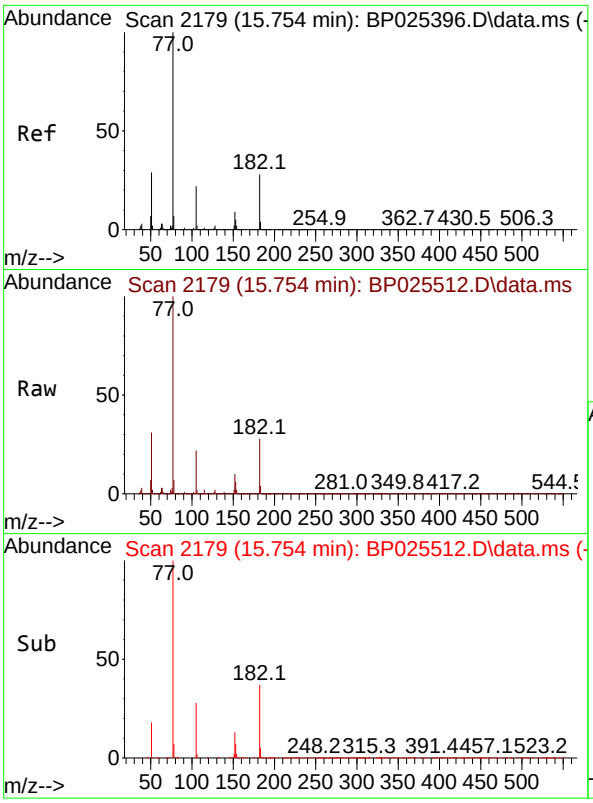


#62
4-Nitroaniline
Concen: 37.321 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:138 Resp: 235988

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.1	69.1
108	85.2	61.5	101.5



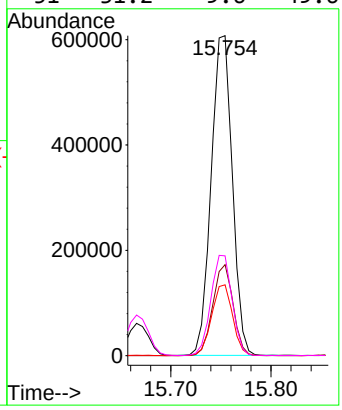


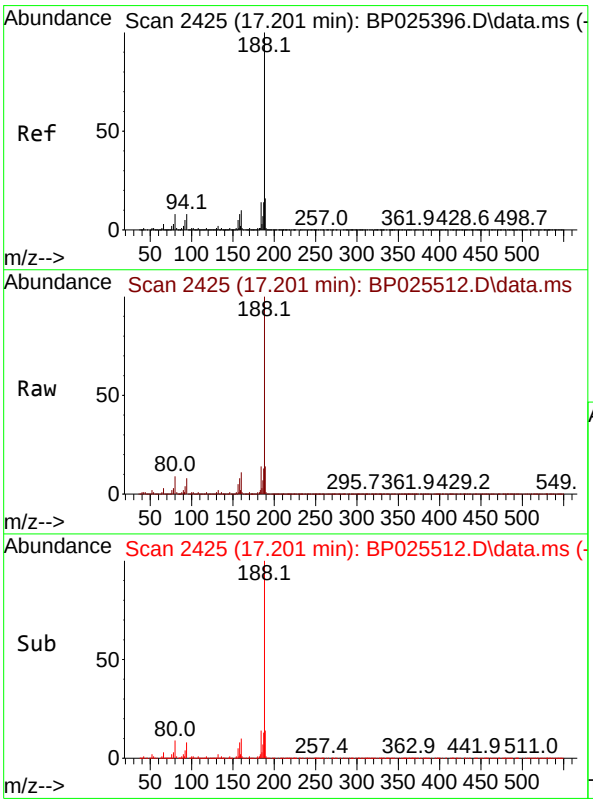
#63
Azobenzene
Concen: 39.346 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 890410

Ion	Ratio	Lower	Upper
77	100		
182	28.4	7.5	47.5
105	22.1	2.1	42.1
51	31.2	9.6	49.6

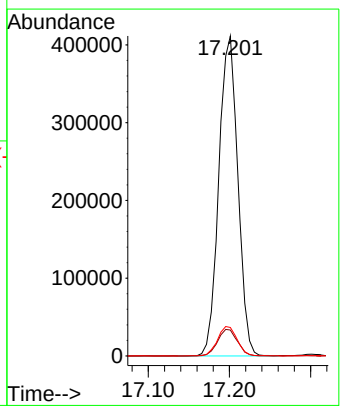


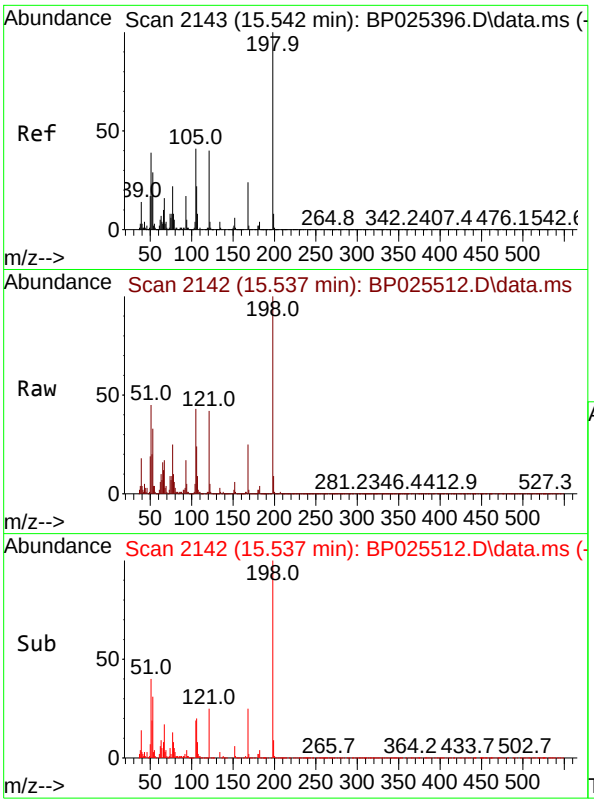


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:188 Resp: 670328

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.9	6.7	10.1



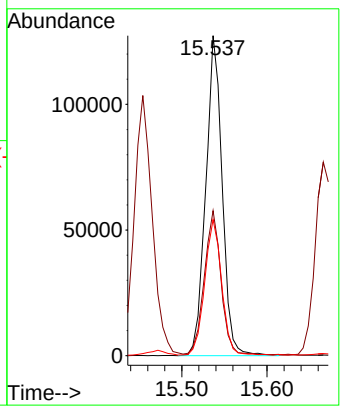


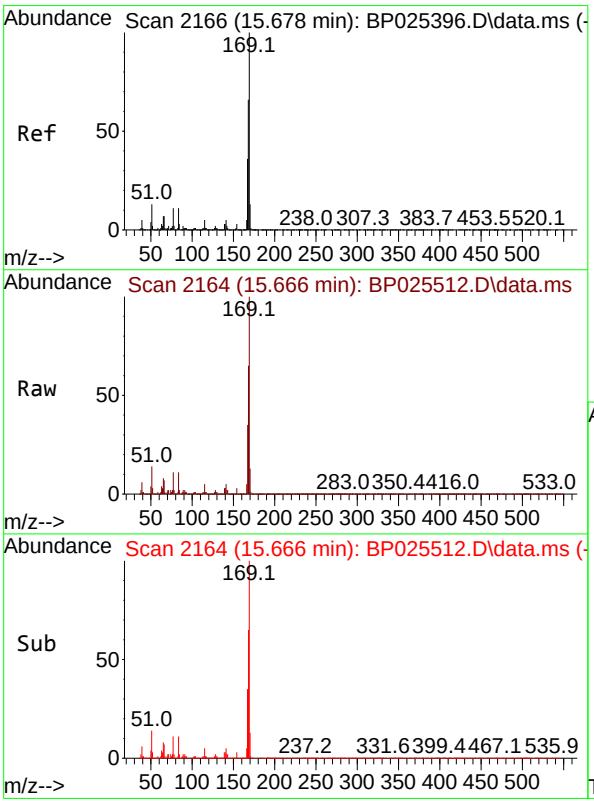
#65
4,6-Dinitro-2-methylphenol
Concen: 40.860 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 170735

Ion	Ratio	Lower	Upper
198	100		
51	45.3	19.6	59.6
105	42.5	20.9	60.9

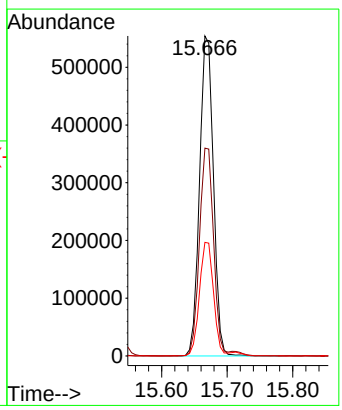


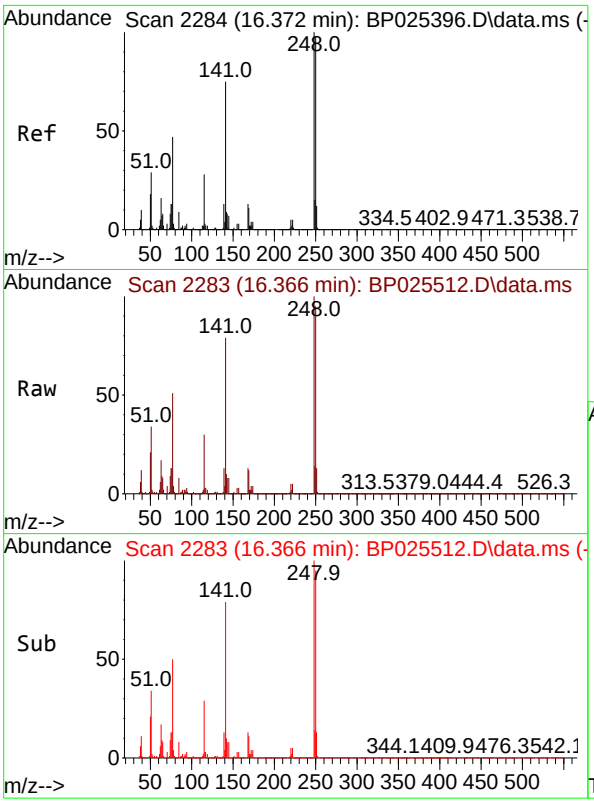


#66
n-Nitrosodiphenylamine
Concen: 39.942 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:169 Resp: 816452

Ion	Ratio	Lower	Upper
169	100		
168	65.0	53.2	79.8
167	35.5	28.7	43.1



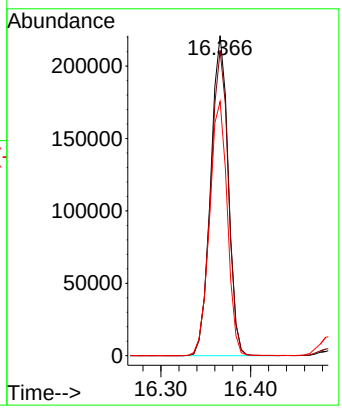


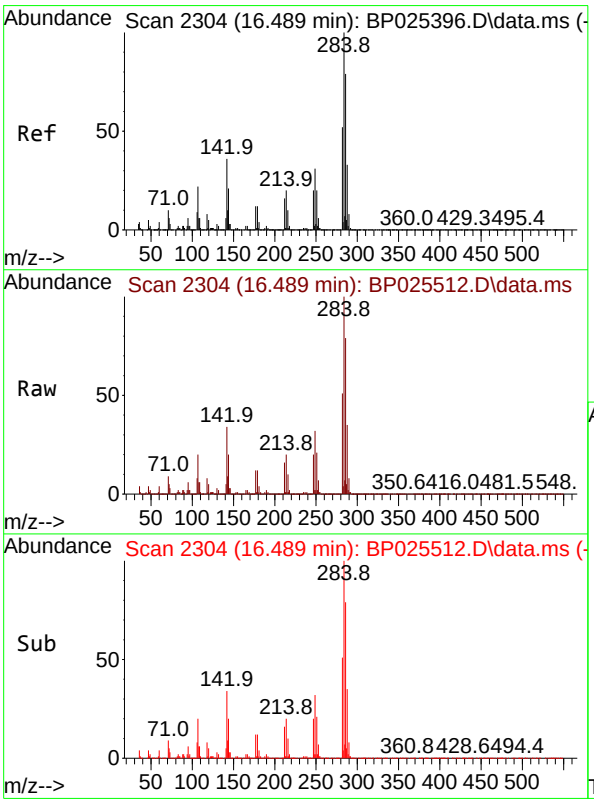
#67
4-Bromophenyl-phenylether
Concen: 40.668 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 299821

Ion	Ratio	Lower	Upper
248	100		
250	95.4	78.2	117.2
141	79.4	59.6	89.4

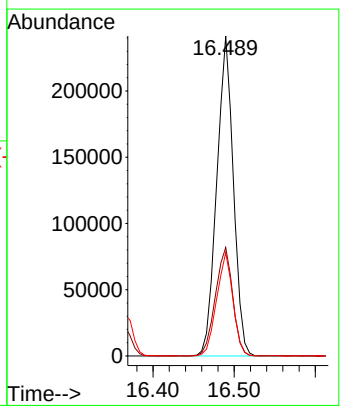


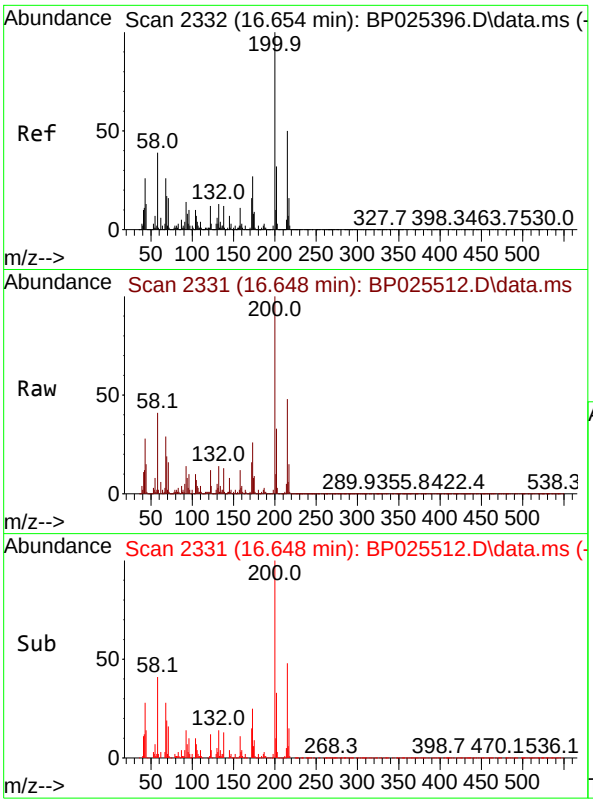


#68
Hexachlorobenzene
Concen: 40.230 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:284 Resp: 343811

Ion	Ratio	Lower	Upper
284	100		
142	33.9	29.1	43.7
249	32.3	25.0	37.4



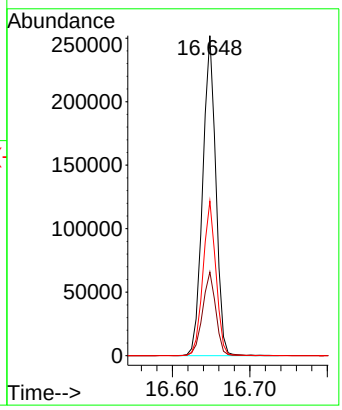


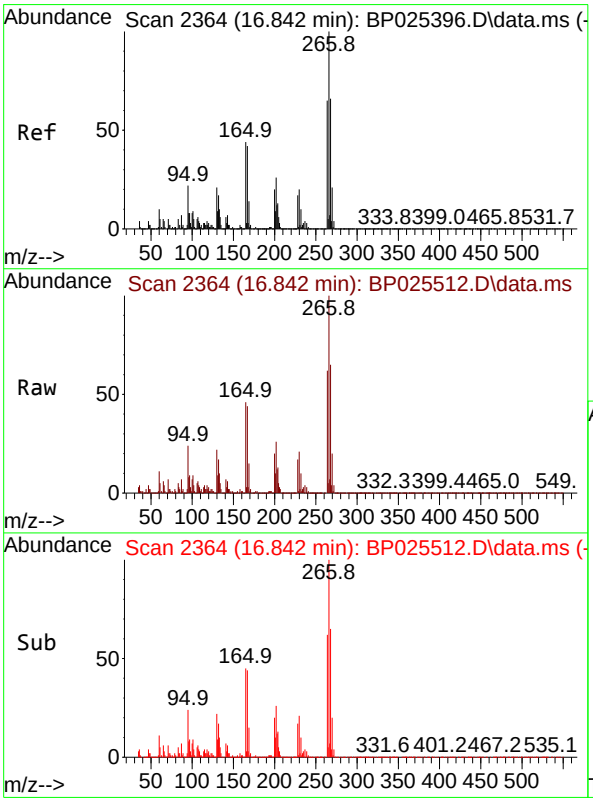
#69
Atrazine
Concen: 38.670 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 296023

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	48.3	29.7	69.7

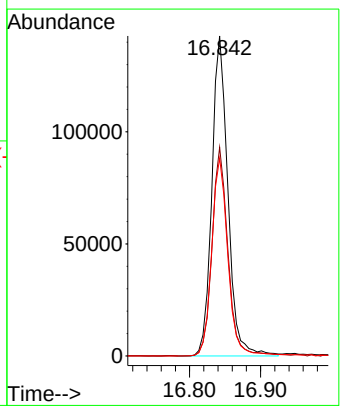


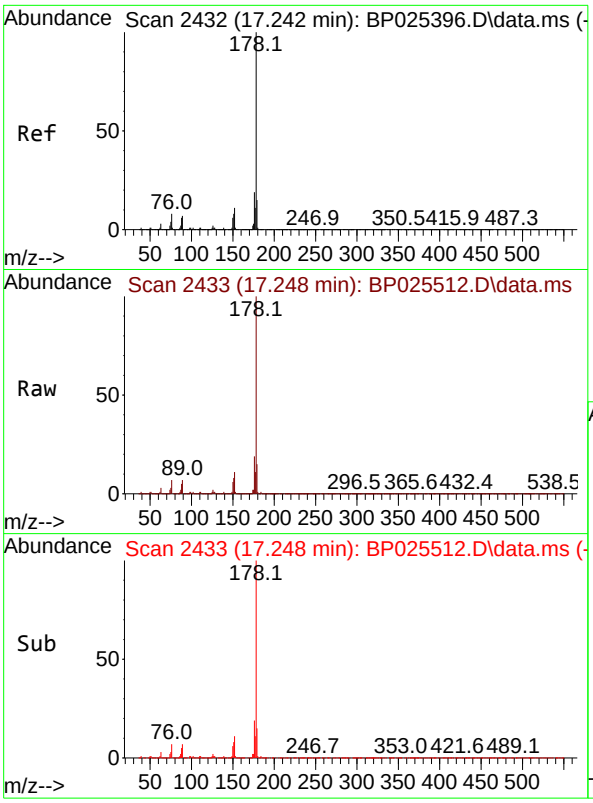


#70
Pentachlorophenol
Concen: 41.514 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:266 Resp: 223956

Ion	Ratio	Lower	Upper
266	100		
268	65.2	52.6	79.0
264	61.8	52.0	78.0



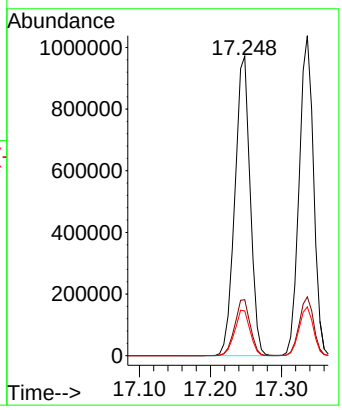


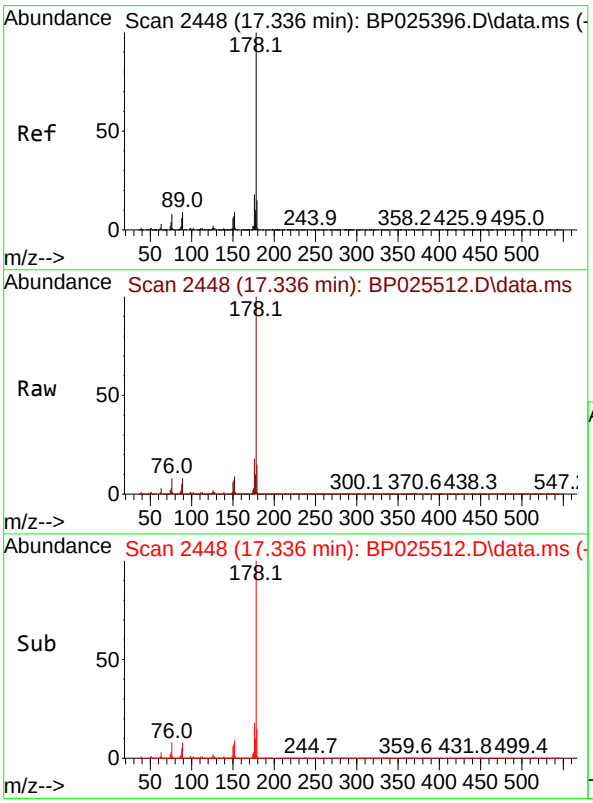
#71
Phenanthrene
Concen: 39.517 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1455152

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.0	12.2	18.4

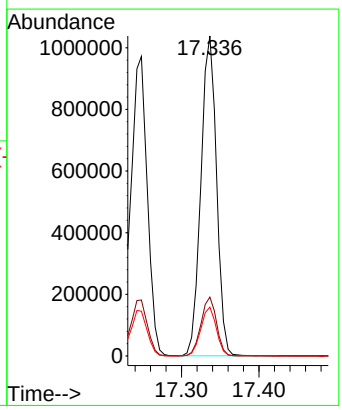


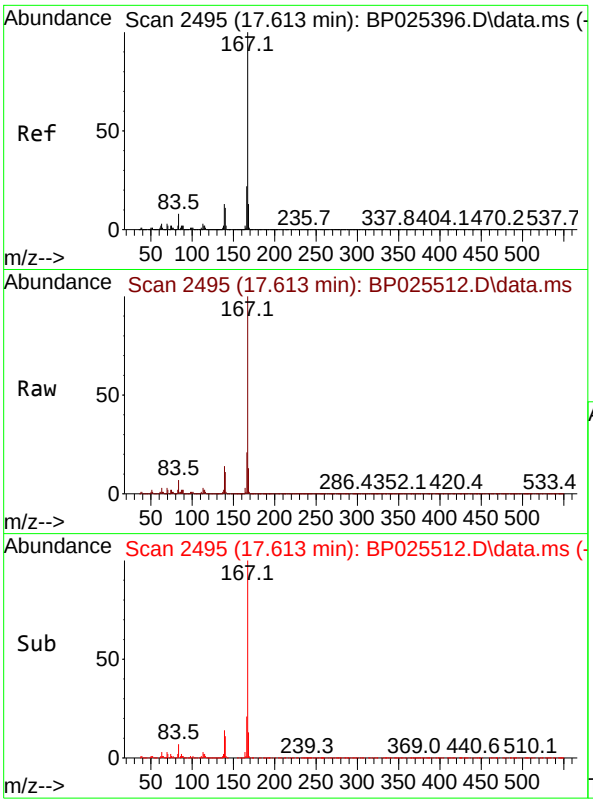


#72
Anthracene
Concen: 38.632 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:178 Resp: 1452720

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2



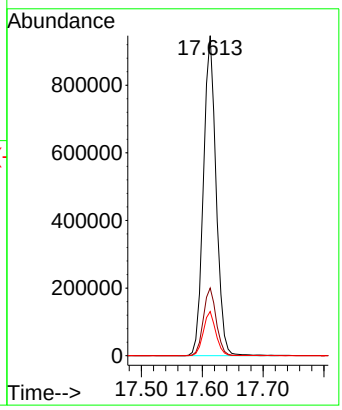


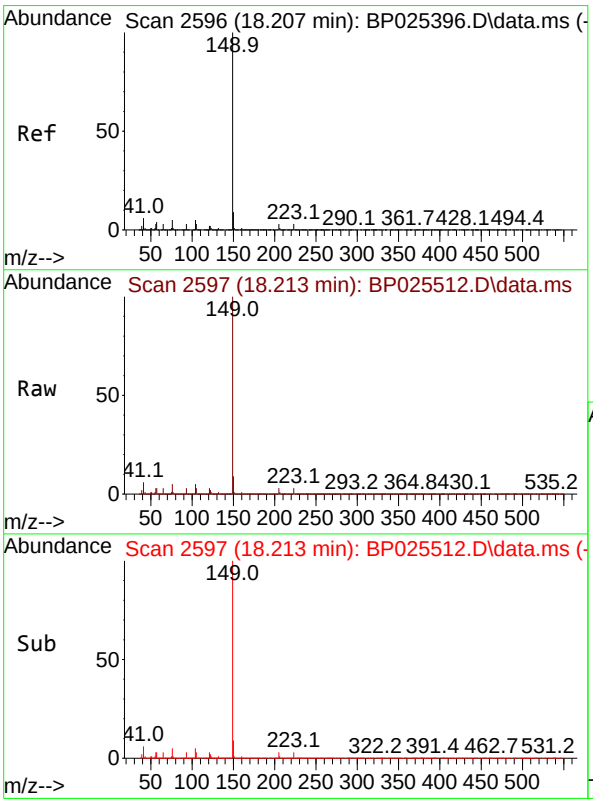
#73
Carbazole
Concen: 38.700 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1370739

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.8	10.6	16.0

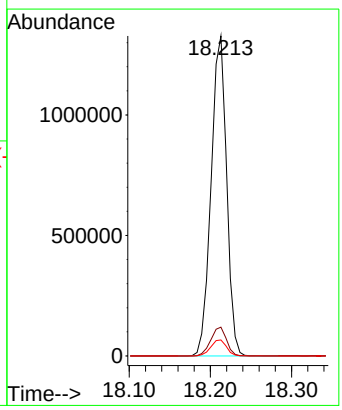


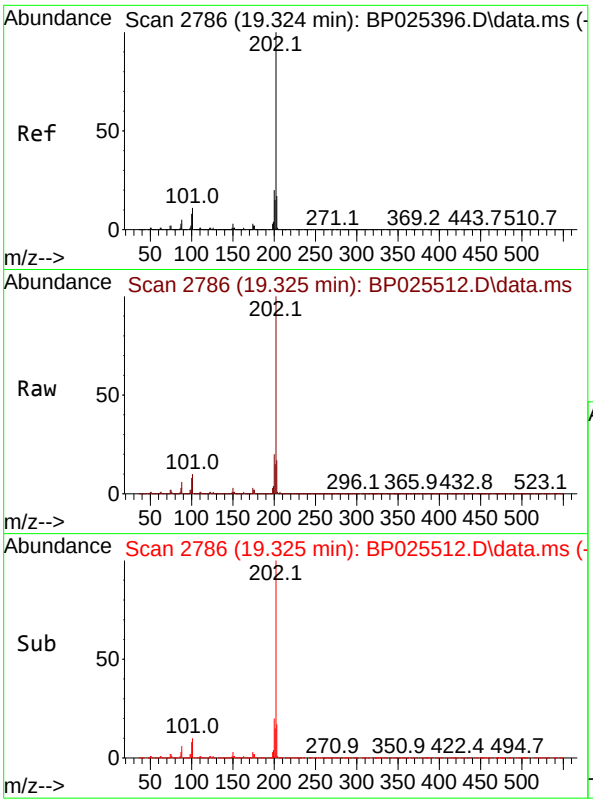


#74
Di-n-butylphthalate
Concen: 40.436 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 1762119

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.2	6.2



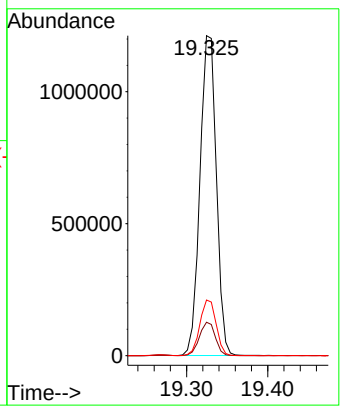


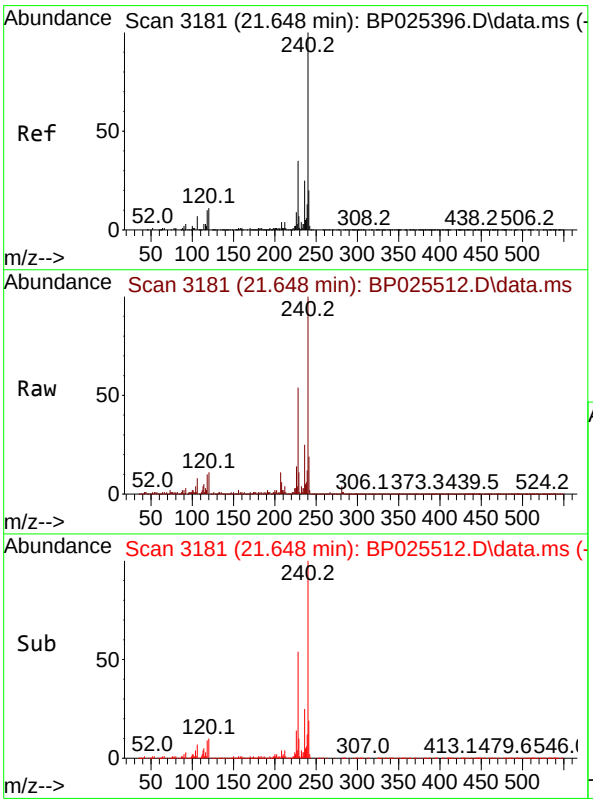
#75
Fluoranthene
Concen: 38.675 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1698750

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.4	0.0	37.3

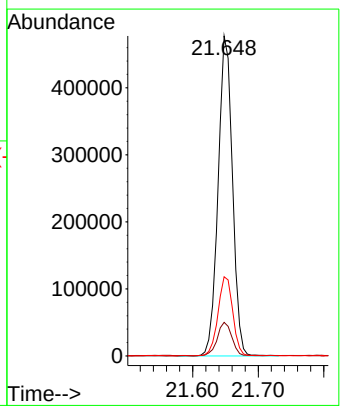


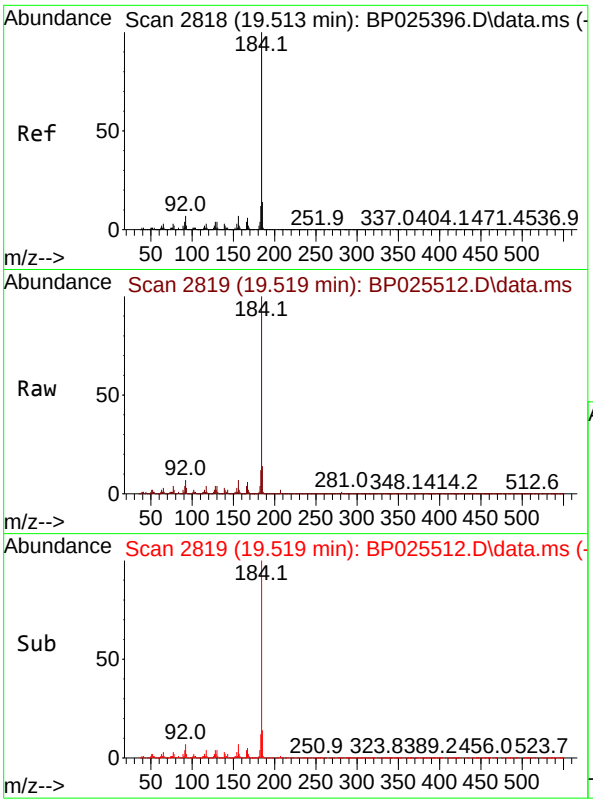


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:240 Resp: 721835

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	24.8	19.8	29.8



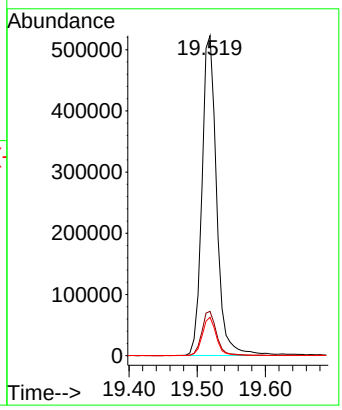


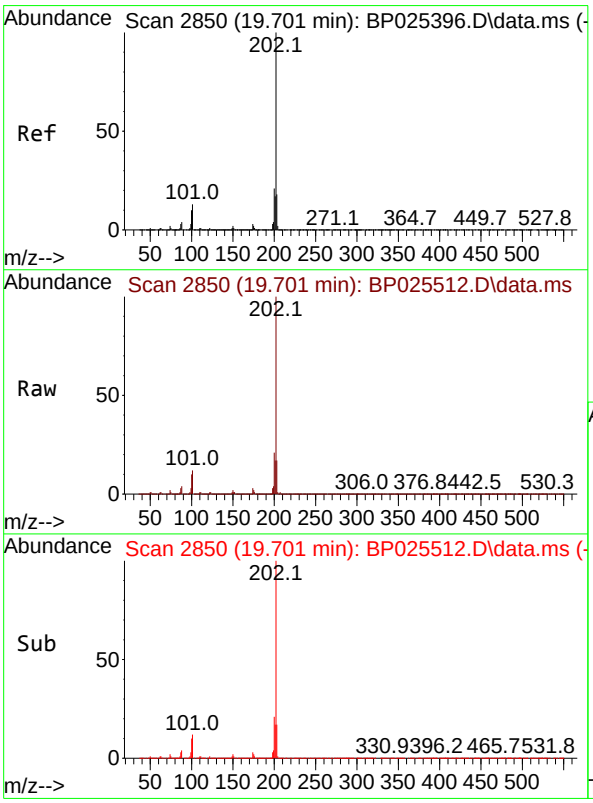
#77
Benzidine
Concen: 31.831 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 784158

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	12.0	9.4	14.2

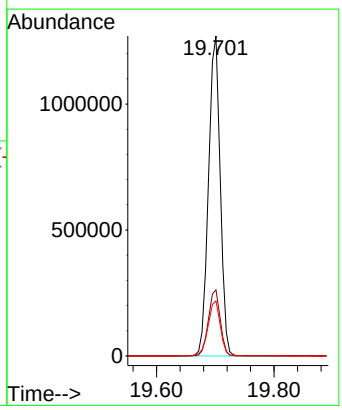


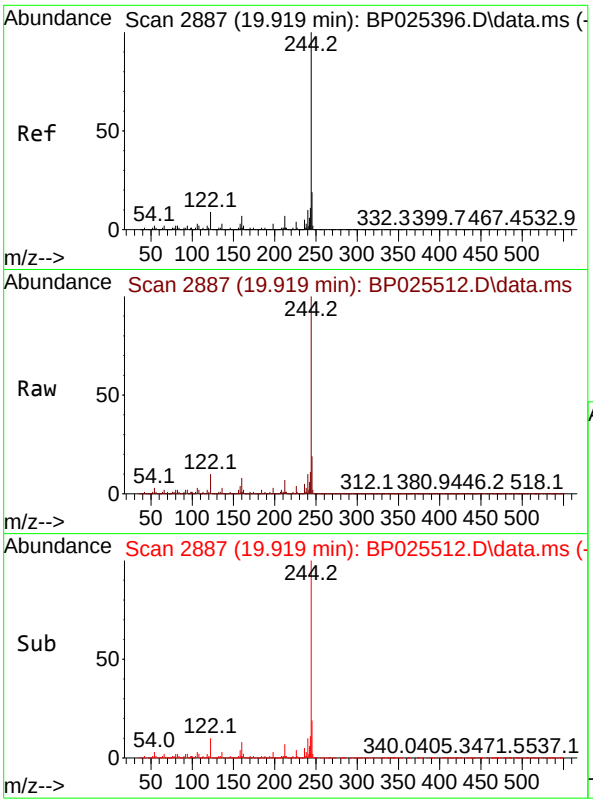


#78
Pyrene
Concen: 37.531 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:202 Resp: 1760829

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.2	14.2	21.2



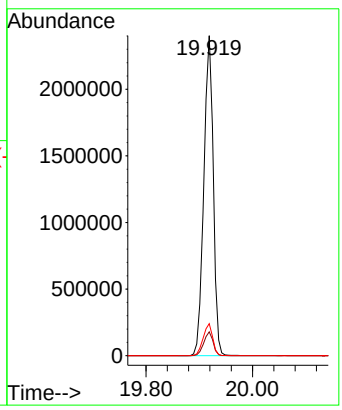


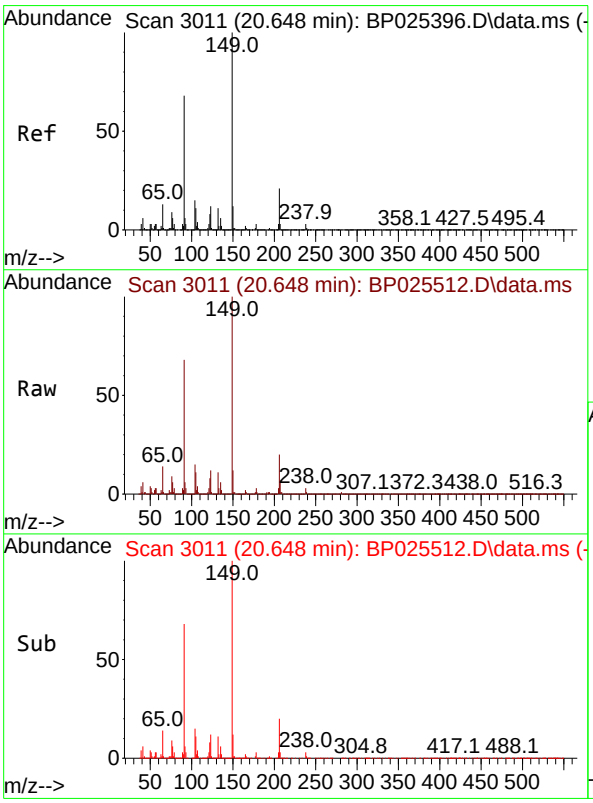
#79
Terphenyl-d14
Concen: 74.739 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2948745

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.0	7.4	11.2

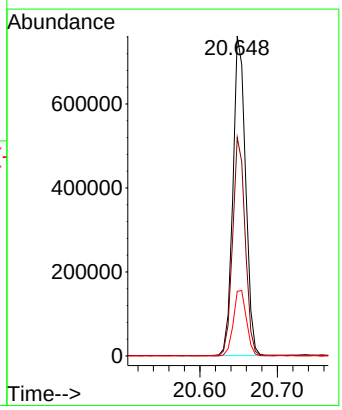


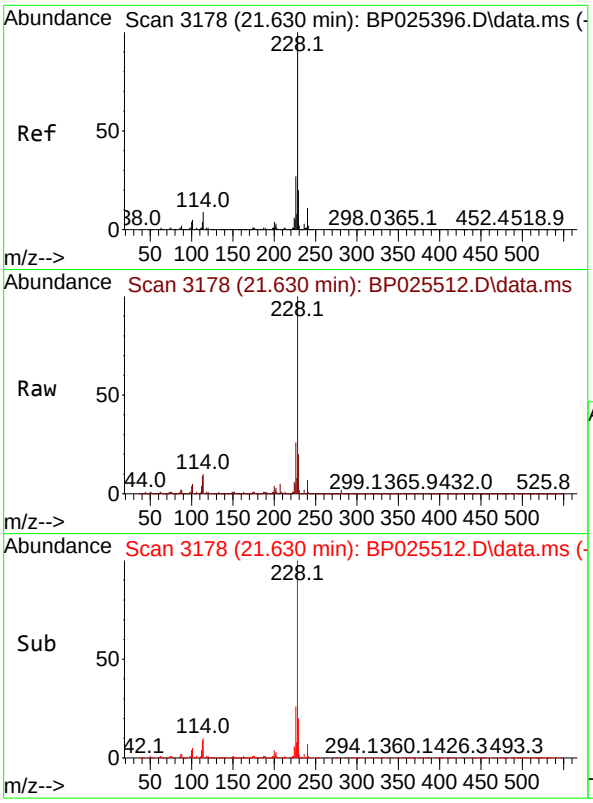


#80
Butylbenzylphthalate
Concen: 40.760 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 866705

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.2	81.2
206	20.2	16.6	24.8



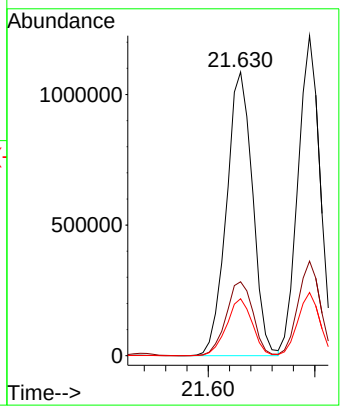


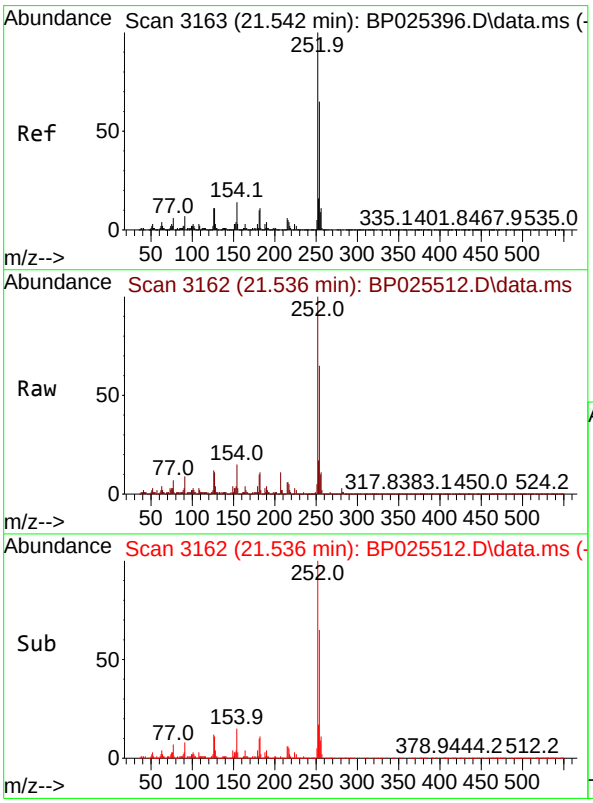
#81
Benzo(a)anthracene
Concen: 38.784 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1846325

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.7	32.5
229	20.1	15.6	23.4

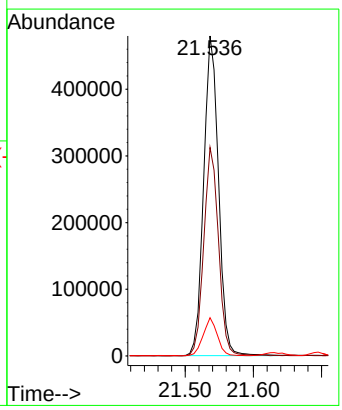


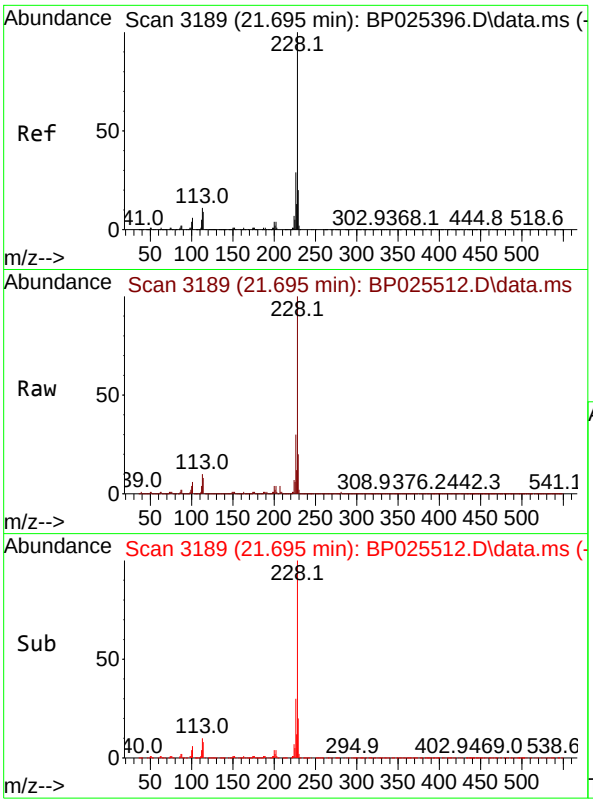


#82
3,3'-Dichlorobenzidine
Concen: 40.475 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:252 Resp: 726259

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.6
126	11.9	9.1	13.7



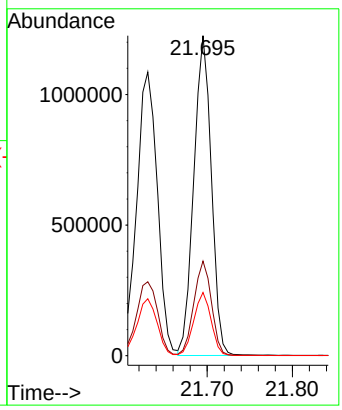


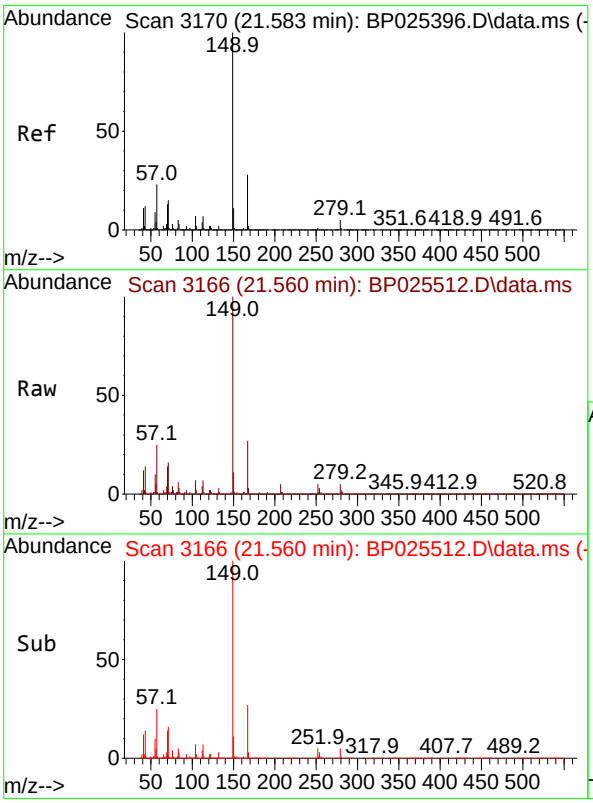
#83
Chrysene
Concen: 39.282 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1751270

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.8	15.6	23.4

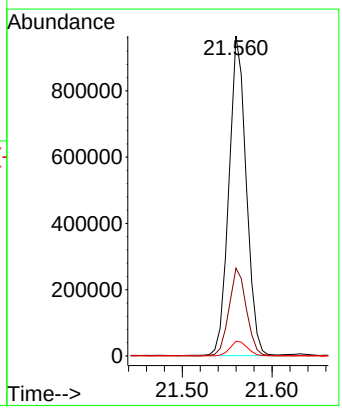


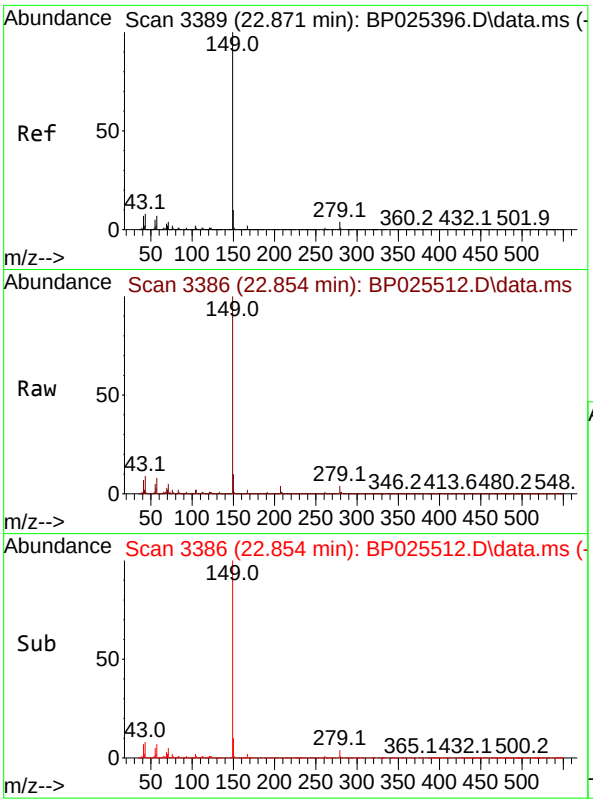


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.288 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:149 Resp: 1292335

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.6	3.8	5.6



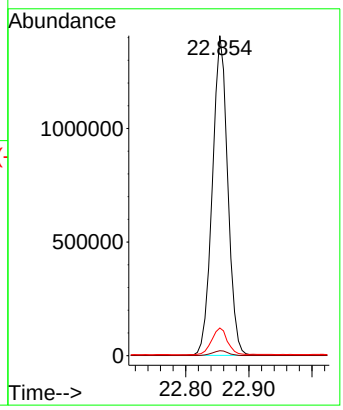


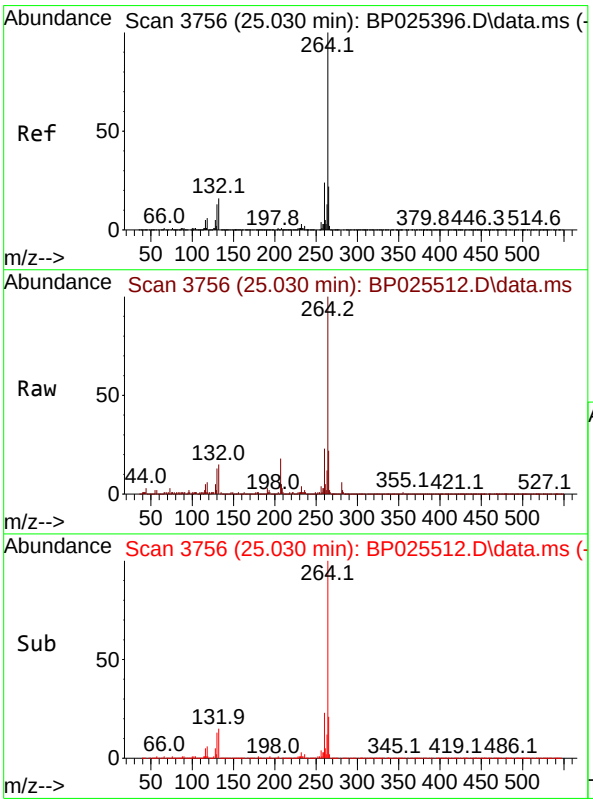
#85
Di-n-octyl phthalate
Concen: 44.204 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2379874

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.3	9.5

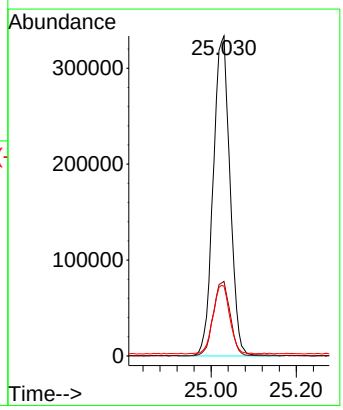


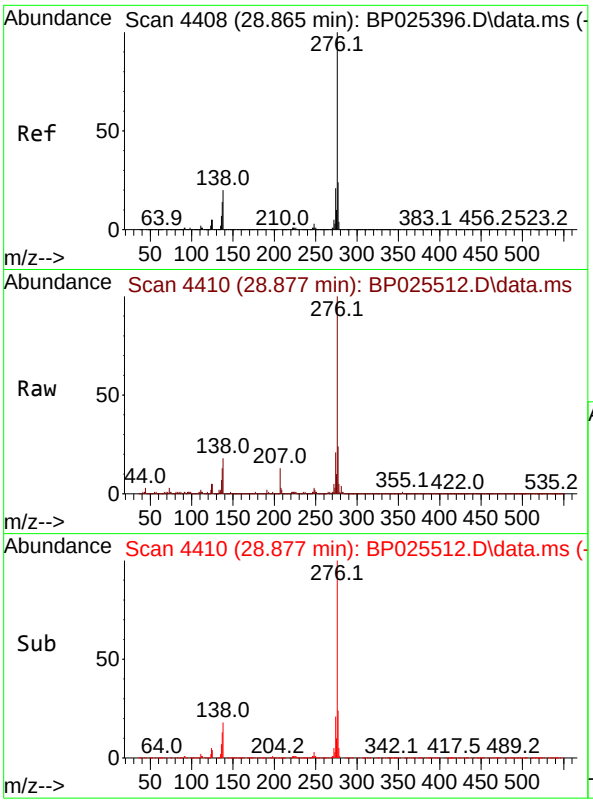


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:264 Resp: 911460

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	21.9	17.4	26.0



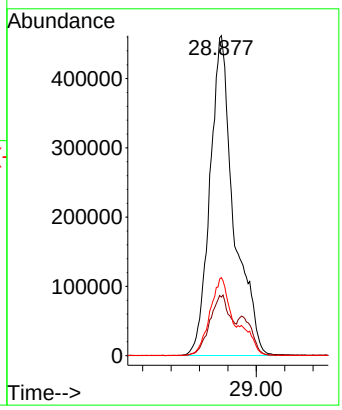


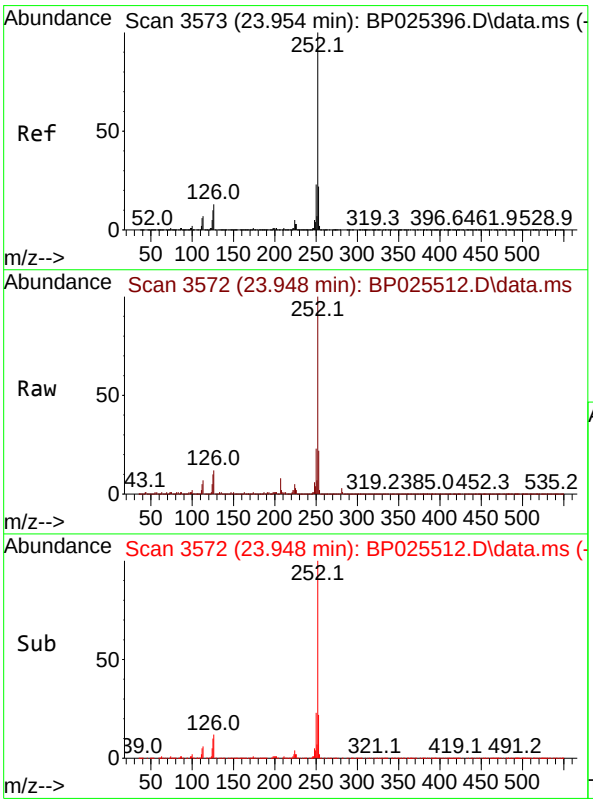
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.465 ng
RT: 28.877 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2704805

Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.9	19.3
277	20.2	17.0	25.6

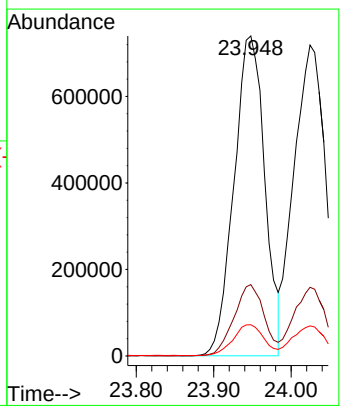


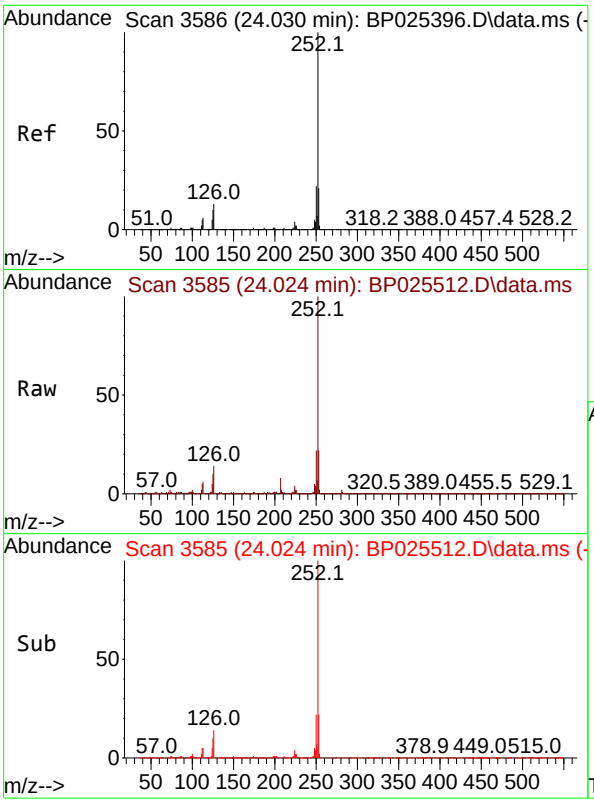


#88
Benzo(b)fluoranthene
Concen: 38.021 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:252 Resp: 2043506

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.8	7.9	11.9



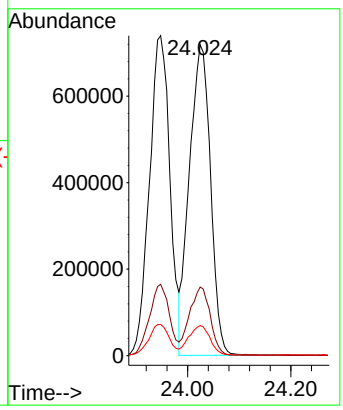


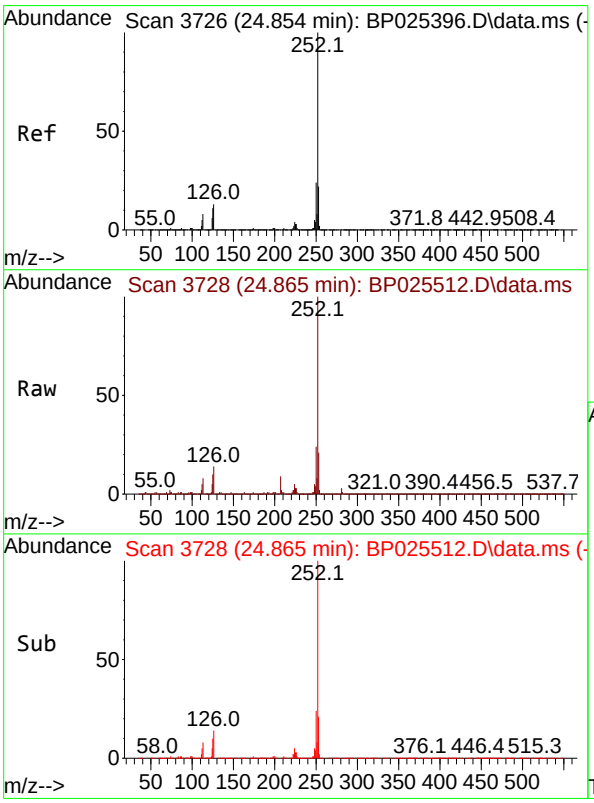
#89
Benzo(k)fluoranthene
Concen: 37.913 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2039061

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.7	7.8	11.6

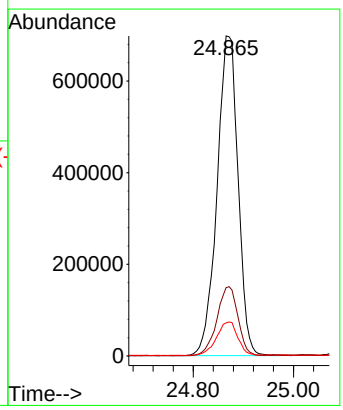


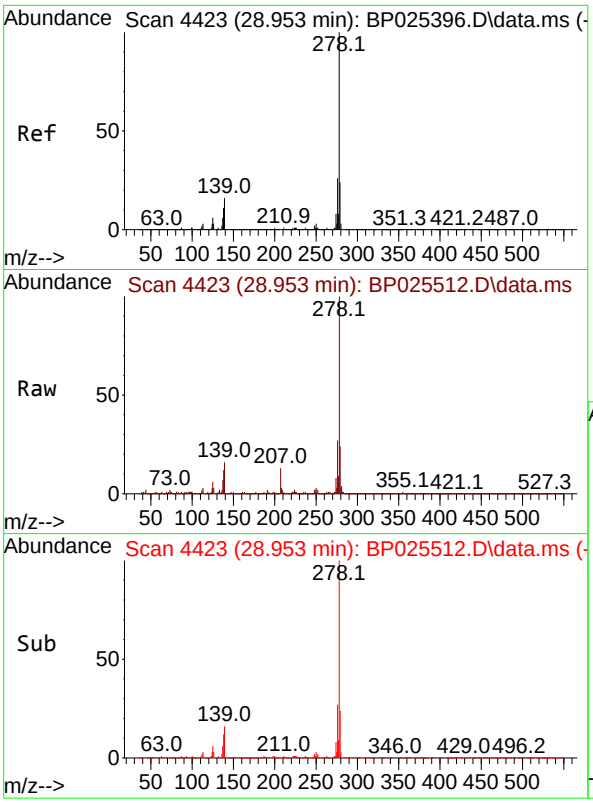


#90
Benzo(a)pyrene
Concen: 38.861 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:252 Resp: 2033101

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.3	8.7	13.1



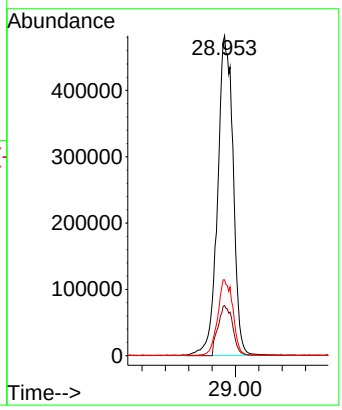


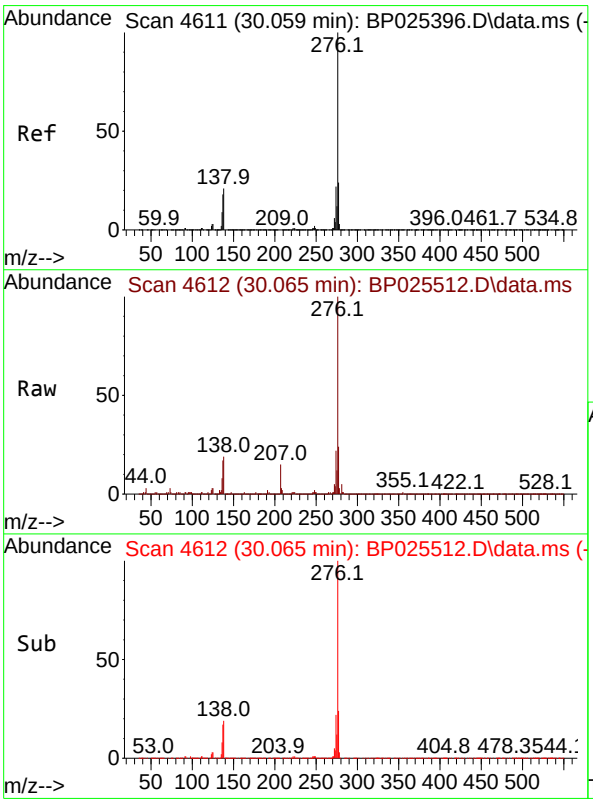
#91
Dibenzo(a,h)anthracene
Concen: 40.707 ng
RT: 28.953 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2223603

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.0	19.4
279	23.7	19.4	29.2

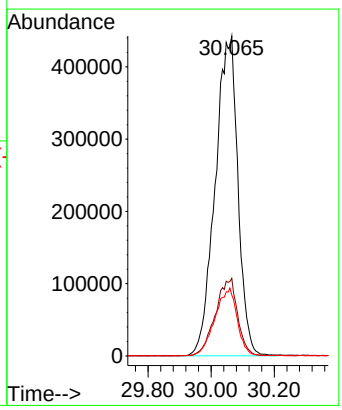




#92
Benzo(g,h,i)perylene
Concen: 41.164 ng
RT: 30.065 min Scan# 4612
Delta R.T. 0.006 min
Lab File: BP025512.D
Acq: 20 Aug 2025 18:27

Tgt Ion:276 Resp: 2210310

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	19.1	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
2		1,4-Dioxane	0.472	0.489	-3.6	116	0.00
3		Pyridine	1.291	1.243	3.7	107	0.00
4		n-Nitrosodimethylamine	0.532	0.570	-7.1	118	0.00
5	S	2-Fluorophenol	1.204	1.232	-2.3	112	0.00
6		Aniline	2.080	1.965	5.5	102	0.00
7	S	Phenol-d6	1.544	1.491	3.4	104	0.00
8		2-Chlorophenol	1.359	1.324	2.6	106	0.00
9		Benzaldehyde	1.082	1.279	-18.2	99	0.00
10	C	Phenol	1.620	1.535	5.2	103	0.00
11		bis(2-Chloroethyl)ether	1.263	1.201	4.9	104	0.00
12		1,3-Dichlorobenzene	1.499	1.502	-0.2	110	0.00
13	C	1,4-Dichlorobenzene	1.532	1.518	0.9	109	-0.01
14		1,2-Dichlorobenzene	1.483	1.439	3.0	106	0.00
15		Benzyl Alcohol	1.227	1.132	7.7	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.647	2.7	107	0.00
17		2-Methylphenol	1.125	1.059	5.9	101	0.00
18		Hexachloroethane	0.563	0.578	-2.7	112	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.895	12.5	95	-0.01
20		3+4-Methylphenols	1.560	1.396	10.5	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	0.00
22		Acetophenone	0.502	0.508	-1.2	98	0.00
23	S	Nitrobenzene-d5	0.395	0.409	-3.5	100	-0.01
24		Nitrobenzene	0.353	0.367	-4.0	99	0.00
25		Isophorone	0.700	0.664	5.1	92	0.00
26	C	2-Nitrophenol	0.181	0.188	-3.9	97	0.00
27		2,4-Dimethylphenol	0.312	0.308	1.3	93	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.413	2.4	95	0.00
29	C	2,4-Dichlorophenol	0.310	0.310	0.0	95	0.00
30		1,2,4-Trichlorobenzene	0.340	0.346	-1.8	99	0.00
31		Naphthalene	1.040	1.033	0.7	96	0.00
32		Benzoic acid	0.230	0.211	8.3	87	0.00
33		4-Chloroaniline	0.459	0.429	6.5	89	0.00
34	C	Hexachlorobutadiene	0.211	0.225	-6.6	103	0.00
35		Caprolactam	0.114	0.092	19.3	79	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.324	8.7	87	0.00
37		2-Methylnaphthalene	0.676	0.633	6.4	91	0.00
38		1-Methylnaphthalene	0.719	0.664	7.6	90	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	81	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.578	0.626	-8.3	90	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.359	-2.9	83	0.00
42	S	2,4,6-Tribromophenol	0.269	0.257	4.5	79	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.414	-6.2	87	0.00
44		2,4,5-Trichlorophenol	0.427	0.446	-4.4	85	0.00
45	S	2-Fluorobiphenyl	1.463	1.526	-4.3	88	0.00
46		1,1'-Biphenyl	1.453	1.507	-3.7	86	0.00
47		2-Chloronaphthalene	1.131	1.165	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.343	-4.3	84	0.00
49		Acenaphthylene	1.871	1.871	0.0	83	0.00
50		Dimethylphthalate	1.465	1.399	4.5	80	-0.01
51		2,6-Dinitrotoluene	0.309	0.313	-1.3	82	0.00
52	C	Acenaphthene	1.098	1.086	1.1	84	0.00
53		3-Nitroaniline	0.347	0.329	5.2	78	-0.01
54	P	2,4-Dinitrophenol	0.165	0.172	-4.2	85	0.00
55		Dibenzofuran	1.736	1.703	1.9	82	0.00
56	P	4-Nitrophenol	0.285	0.266	6.7	77	0.00
57		2,4-Dinitrotoluene	0.440	0.429	2.5	79	0.00
58		Fluorene	1.370	1.306	4.7	81	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.372	1.3	81	0.00
60		Diethylphthalate	1.488	1.402	5.8	79	0.00
61		4-Chlorophenyl-phenylether	0.681	0.651	4.4	80	0.00
62		4-Nitroaniline	0.356	0.332	6.7	76	0.00
63		Azobenzene	1.274	1.253	1.6	82	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.127	-1.6	79	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.609	0.2	78	-0.01
67		4-Bromophenyl-phenylether	0.220	0.224	-1.8	80	0.00
68		Hexachlorobenzene	0.255	0.256	-0.4	80	0.00
69		Atrazine	0.228	0.221	3.1	77	0.00
70	C	Pentachlorophenol	0.161	0.167	-3.7	80	0.00
71		Phenanthrene	1.099	1.085	1.3	79	0.00
72		Anthracene	1.122	1.084	3.4	76	0.00
73		Carbazole	1.057	1.022	3.3	77	0.00
74		Di-n-butylphthalate	1.300	1.314	-1.1	80	0.00
75	C	Fluoranthene	1.311	1.267	3.4	78	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	80	0.00
77		Benzidine	0.683	0.543	20.5	45#	0.00
78		Pyrene	1.300	1.220	6.2	77	0.00
79	S	Terphenyl-d14	1.093	1.021	6.6	78	0.00
80		Butylbenzylphthalate	0.589	0.600	-1.9	83	0.00
81		Benzo(a)anthracene	1.319	1.279	3.0	81	0.00
82		3,3'-Dichlorobenzidine	0.497	0.503	-1.2	83	0.00
83		Chrysene	1.235	1.213	1.8	82	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.895	-3.2	87	-0.02
85	c	Di-n-octyl phthalate	1.492	1.648	-10.5	92	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.467	1.484	-1.2	94	0.01
88		Benzo(b)fluoranthene	1.179	1.121	4.9	88	0.00
89		Benzo(k)fluoranthene	1.180	1.119	5.2	88	0.00
90	C	Benzo(a)pyrene	1.148	1.115	2.9	90	0.01
91		Dibenzo(a,h)anthracene	1.199	1.220	-1.8	94	0.00
92		Benzo(g,h,i)perylene	1.178	1.213	-3.0	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
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BNA_P
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Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	105	0.00
2		1,4-Dioxane	40.000	41.454	-3.6	116	0.00
3		Pyridine	40.000	38.497	3.8	107	0.00
4		n-Nitrosodimethylamine	40.000	42.863	-7.2	118	0.00
5	S	2-Fluorophenol	80.000	81.851	-2.3	112	0.00
6		Aniline	40.000	37.776	5.6	102	0.00
7	S	Phenol-d6	80.000	77.239	3.5	104	0.00
8		2-Chlorophenol	40.000	38.971	2.6	106	0.00
9		Benzaldehyde	40.000	47.306	-18.3	99	0.00
10	C	Phenol	40.000	37.903	5.2	103	0.00
11		bis(2-Chloroethyl)ether	40.000	38.056	4.9	104	0.00
12		1,3-Dichlorobenzene	40.000	40.104	-0.3	110	0.00
13	C	1,4-Dichlorobenzene	40.000	39.630	0.9	109	-0.01
14		1,2-Dichlorobenzene	40.000	38.825	2.9	106	0.00
15		Benzyl Alcohol	40.000	36.921	7.7	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.945	2.6	107	0.00
17		2-Methylphenol	40.000	37.654	5.9	101	0.00
18		Hexachloroethane	40.000	41.047	-2.6	112	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.024	12.4	95	-0.01
20		3+4-Methylphenols	40.000	35.797	10.5	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	0.00
22		Acetophenone	40.000	40.553	-1.4	98	0.00
23	S	Nitrobenzene-d5	80.000	82.828	-3.5	100	-0.01
24		Nitrobenzene	40.000	41.561	-3.9	99	0.00
25		Isophorone	40.000	37.972	5.1	92	0.00
26	C	2-Nitrophenol	40.000	41.515	-3.8	97	0.00
27		2,4-Dimethylphenol	40.000	39.508	1.2	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.085	2.3	95	0.00
29	C	2,4-Dichlorophenol	40.000	40.068	-0.2	95	0.00
30		1,2,4-Trichlorobenzene	40.000	40.786	-2.0	99	0.00
31		Naphthalene	40.000	39.747	0.6	96	0.00
32		Benzoic acid	40.000	36.722	8.2	87	0.00
33		4-Chloroaniline	40.000	37.353	6.6	89	0.00
34	C	Hexachlorobutadiene	40.000	42.538	-6.3	103	0.00
35		Caprolactam	40.000	32.534	18.7	79	0.00
36	C	4-Chloro-3-methylphenol	40.000	36.511	8.7	87	0.00
37		2-Methylnaphthalene	40.000	37.407	6.5	91	0.00
38		1-Methylnaphthalene	40.000	36.937	7.7	90	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	81	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	43.350	-8.4	90	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.195	-3.0	83	0.00
42	S	2,4,6-Tribromophenol	80.000	76.447	4.4	79	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.446	-6.1	87	0.00
44		2,4,5-Trichlorophenol	40.000	41.744	-4.4	85	0.00
45	S	2-Fluorobiphenyl	80.000	83.434	-4.3	88	0.00
46		1,1'-Biphenyl	40.000	41.508	-3.8	86	0.00
47		2-Chloronaphthalene	40.000	41.219	-3.0	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.628	-4.1	84	0.00
49		Acenaphthylene	40.000	40.001	-0.0	83	0.00
50		Dimethylphthalate	40.000	38.219	4.5	80	-0.01
51		2,6-Dinitrotoluene	40.000	40.576	-1.4	82	0.00
52	C	Acenaphthene	40.000	39.546	1.1	84	0.00
53		3-Nitroaniline	40.000	37.912	5.2	78	-0.01
54	P	2,4-Dinitrophenol	40.000	41.686	-4.2	85	0.00
55		Dibenzofuran	40.000	39.221	1.9	82	0.00
56	P	4-Nitrophenol	40.000	37.212	7.0	77	0.00
57		2,4-Dinitrotoluene	40.000	39.004	2.5	79	0.00
58		Fluorene	40.000	38.132	4.7	81	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.405	1.5	81	0.00
60		Diethylphthalate	40.000	37.688	5.8	79	0.00
61		4-Chlorophenyl-phenylether	40.000	38.204	4.5	80	0.00
62		4-Nitroaniline	40.000	37.321	6.7	76	0.00
63		Azobenzene	40.000	39.346	1.6	82	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.860	-2.1	79	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.942	0.1	78	-0.01
67		4-Bromophenyl-phenylether	40.000	40.668	-1.7	80	0.00
68		Hexachlorobenzene	40.000	40.230	-0.6	80	0.00
69		Atrazine	40.000	38.670	3.3	77	0.00
70	C	Pentachlorophenol	40.000	41.514	-3.8	80	0.00
71		Phenanthrene	40.000	39.517	1.2	79	0.00
72		Anthracene	40.000	38.632	3.4	76	0.00
73		Carbazole	40.000	38.700	3.2	77	0.00
74		Di-n-butylphthalate	40.000	40.436	-1.1	80	0.00
75	C	Fluoranthene	40.000	38.675	3.3	78	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	80	0.00
77		Benzidine	40.000	31.831	20.4	45	0.00
78		Pyrene	40.000	37.531	6.2	77	0.00
79	S	Terphenyl-d14	80.000	74.739	6.6	78	0.00
80		Butylbenzylphthalate	40.000	40.760	-1.9	83	0.00
81		Benzo(a)anthracene	40.000	38.784	3.0	81	0.00
82		3,3'-Dichlorobenzidine	40.000	40.475	-1.2	83	0.00
83		Chrysene	40.000	39.282	1.8	82	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.288	-3.2	87	-0.02
85	c	Di-n-octyl phthalate	40.000	44.204	-10.5	92	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.465	-1.2	94	0.01
88		Benzo(b)fluoranthene	40.000	38.021	4.9	88	0.00
89		Benzo(k)fluoranthene	40.000	37.913	5.2	88	0.00
90	C	Benzo(a)pyrene	40.000	38.861	2.8	90	0.01
91		Dibenzo(a,h)anthracene	40.000	40.707	-1.8	94	0.00
92		Benzo(g,h,i)perylene	40.000	41.164	-2.9	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025512.D
Acq On : 20 Aug 2025 18:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 01:35:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 03:59

Lab File ID: BP025526.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.216		1.0	50.0
Benzaldehyde	1.082	1.290		19.2	50.0
Phenol-d6	1.544	1.547		0.2	50.0
Phenol	1.620	1.613		-0.4	50.0
bis(2-Chloroethyl)ether	1.263	1.261		-0.2	50.0
2-Chlorophenol	1.359	1.350		-0.7	50.0
2-Methylphenol	1.125	1.122		-0.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.733		2.4	50.0
Acetophenone	0.502	0.499		-0.6	50.0
3+4-Methylphenols	1.560	1.505		-3.5	50.0
n-Nitroso-di-n-propylamine	1.023	0.976	0.050	-4.6	50.0
Nitrobenzene-d5	0.395	0.409		3.5	50.0
Hexachloroethane	0.563	0.559		-0.7	50.0
Nitrobenzene	0.353	0.366		3.7	50.0
Isophorone	0.700	0.680		-2.9	50.0
2-Nitrophenol	0.181	0.186		2.8	50.0
2,4-Dimethylphenol	0.312	0.314		0.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.410		-3.1	50.0
2,4-Dichlorophenol	0.310	0.310		0.0	50.0
Naphthalene	1.040	1.009		-3.0	50.0
4-Chloroaniline	0.459	0.448		-2.4	50.0
Hexachlorobutadiene	0.211	0.207		-1.9	50.0
Caprolactam	0.114	0.101		-11.4	50.0
4-Chloro-3-methylphenol	0.355	0.344		-3.1	50.0
2-Methylnaphthalene	0.676	0.643		-4.9	50.0
Hexachlorocyclopentadiene	0.349	0.363	0.050	4.0	50.0
2,4,6-Trichlorophenol	0.390	0.402		3.1	50.0
2-Fluorobiphenyl	1.463	1.441		-1.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.452		-0.1	50.0
2-Chloronaphthalene	1.131	1.136		0.4	50.0
2-Nitroaniline	0.329	0.351		6.7	50.0
Dimethylphthalate	1.465	1.392		-5.0	50.0
Acenaphthylene	1.871	1.854		-0.9	50.0
2,6-Dinitrotoluene	0.309	0.311		0.6	50.0
3-Nitroaniline	0.347	0.338		-2.6	50.0
Acenaphthene	1.098	1.059		-3.6	50.0
2,4-Dinitrophenol	0.165	0.168	0.050	1.8	50.0
4-Nitrophenol	0.285	0.269	0.050	-5.6	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 03:59

Lab File ID: BP025526.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.660		-4.4	50.0
2,4-Dinitrotoluene	0.440	0.426		-3.2	50.0
Diethylphthalate	1.488	1.379		-7.3	50.0
4-Chlorophenyl-phenylether	0.681	0.626		-8.1	50.0
Fluorene	1.370	1.266		-7.6	50.0
4-Nitroaniline	0.356	0.320		-10.1	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.638		4.6	50.0
2,4,6-Tribromophenol	0.269	0.252		-6.3	50.0
4-Bromophenyl-phenylether	0.220	0.224		1.8	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.224		-1.8	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.065		-3.1	50.0
Anthracene	1.122	1.109		-1.2	50.0
Carbazole	1.057	1.017		-3.8	50.0
Di-n-butylphthalate	1.300	1.219		-6.2	50.0
Fluoranthene	1.311	1.183		-9.8	50.0
Pyrene	1.300	1.284		-1.2	50.0
Terphenyl-d14	1.093	1.064		-2.7	50.0
Butylbenzylphthalate	0.589	0.569		-3.4	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo(a)anthracene	1.319	1.296		-1.7	50.0
Chrysene	1.235	1.210		-2.0	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.831		-4.2	50.0
Di-n-octyl phthalate	1.492	1.498		0.4	50.0
Benzo(b)fluoranthene	1.179	1.117		-5.3	50.0
Benzo(k)fluoranthene	1.180	1.109		-6.0	50.0
Benzo(a)pyrene	1.148	1.115		-2.9	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.483		1.1	50.0
Dibenzo(a,h)anthracene	1.199	1.211		1.0	50.0
Benzo(g,h,i)perylene	1.178	1.200		1.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.581		0.5	50.0
1,4-Dioxane	0.472	0.469		-0.6	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.370		-1.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.784	152	191900	20.000	ng		-0.01
21) Naphthalene-d8	10.554	136	778080	20.000	ng		0.00
39) Acenaphthene-d10	14.395	164	480142	20.000	ng		-0.01
64) Phenanthrene-d10	17.189	188	869173	20.000	ng		-0.01
76) Chrysene-d12	21.636	240	823541	20.000	ng		-0.01
86) Perylene-d12	25.001	264	1048104	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	933086	80.749	ng		0.00
7) Phenol-d6	6.966	99	1187456	80.152	ng		0.00
23) Nitrobenzene-d5	8.931	82	1273041	82.765	ng		0.00
42) 2,4,6-Tribromophenol	15.895	330	484295	74.936	ng		-0.02
45) 2-Fluorobiphenyl	13.007	172	2768196	78.794	ng		-0.01
79) Terphenyl-d14	19.913	244	3505178	77.871	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	179822	39.729	ng		97
3) Pyridine	3.725	79	482600	38.955	ng		93
4) n-Nitrosodimethylamine	3.631	42	224519	43.959	ng		91
6) Aniline	7.119	93	791031	39.629	ng		99
8) 2-Chlorophenol	7.360	128	518280	39.746	ng		98
9) Benzaldehyde	6.937	77	495216	47.711	ng		98
10) Phenol	6.996	94	619143	39.828	ng		96
11) bis(2-Chloroethyl)ether	7.213	93	483955	39.942	ng		97
12) 1,3-Dichlorobenzene	7.678	146	570118	39.651	ng		97
13) 1,4-Dichlorobenzene	7.819	146	575622	39.168	ng		99
14) 1,2-Dichlorobenzene	8.137	146	549967	38.659	ng		98
15) Benzyl Alcohol	8.019	79	470863	40.000	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	665088	40.975	ng		99
17) 2-Methylphenol	8.225	107	430585	39.881	ng		98
18) Hexachloroethane	8.860	117	214677	39.729	ng		95
19) n-Nitroso-di-n-propyla...	8.584	70	374725	38.186	ng		97
20) 3+4-Methylphenols	8.548	107	577590	38.594	ng		96
22) Acetophenone	8.596	105	777206	39.831	ng	#	96
24) Nitrobenzene	8.972	77	569192	41.406	ng		99
25) Isophorone	9.495	82	1057559	38.851	ng		100
26) 2-Nitrophenol	9.672	139	289854	41.086	ng		98
27) 2,4-Dimethylphenol	9.737	122	488029	40.225	ng		98
28) bis(2-Chloroethoxy)met...	9.960	93	638647	38.812	ng		99
29) 2,4-Dichlorophenol	10.207	162	482743	40.055	ng		98
30) 1,2,4-Trichlorobenzene	10.419	180	516908	39.125	ng		97
31) Naphthalene	10.601	128	1570246	38.828	ng		99
32) Benzoic acid	9.884	122	358720	40.049	ng		97
33) 4-Chloroaniline	10.707	127	696525	38.991	ng		98
34) Hexachlorobutadiene	10.890	225	321424	39.065	ng		98
35) Caprolactam	11.495	113	156812	35.484	ng		99
36) 4-Chloro-3-methylphenol	11.831	107	534863	38.676	ng		97
37) 2-Methylnaphthalene	12.207	142	999947	37.995	ng		99
38) 1-Methylnaphthalene	12.425	142	1043941	37.300	ng		99
40) 1,2,4,5-Tetrachloroben...	12.578	216	558004	40.240	ng		99
41) Hexachlorocyclopentadiene	12.560	237	349022	41.668	ng		98
43) 2,4,6-Trichlorophenol	12.819	196	385756	41.205	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

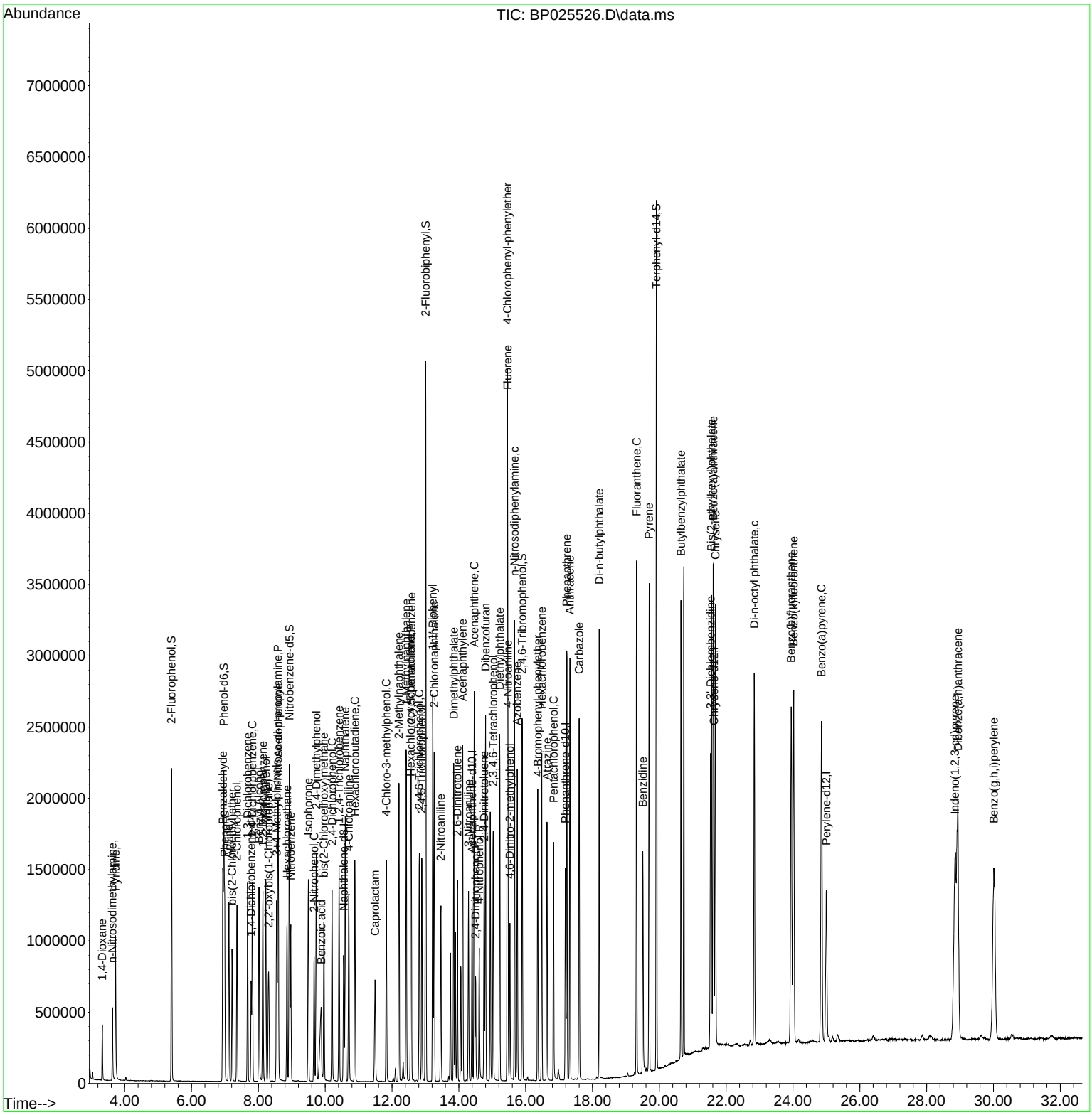
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	416547	40.598	ng	99
46) 1,1'-Biphenyl	13.219	154	1394649	39.995	ng	98
47) 2-Chloronaphthalene	13.260	162	1090908	40.186	ng	99
48) 2-Nitroaniline	13.466	65	337247	42.636	ng	96
49) Acenaphthylene	14.113	152	1780779	39.644	ng	100
50) Dimethylphthalate	13.848	163	1336804	38.020	ng	99
51) 2,6-Dinitrotoluene	13.960	165	298291	40.251	ng	98
52) Acenaphthene	14.460	154	1016517	38.553	ng	98
53) 3-Nitroaniline	14.289	138	324980	38.977	ng	95
54) 2,4-Dinitrophenol	14.507	184	160853	40.644	ng	97
55) Dibenzofuran	14.801	168	1593872	38.235	ng	98
56) 4-Nitrophenol	14.613	139	257855	37.635	ng	95
57) 2,4-Dinitrotoluene	14.760	165	409171	38.698	ng	97
58) Fluorene	15.460	166	1216177	36.973	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.030	232	355491	39.239	ng	99
60) Diethylphthalate	15.225	149	1323887	37.056	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	600871	36.730	ng	97
62) 4-Nitroaniline	15.472	138	307105	35.928	ng	95
63) Azobenzene	15.748	77	1216437	39.764	ng	98
65) 4,6-Dinitro-2-methylph...	15.530	198	227645	42.016	ng	92
66) n-Nitrosodiphenylamine	15.666	169	1109160	41.848	ng	100
67) 4-Bromophenyl-phenylether	16.366	248	388602	40.652	ng	99
68) Hexachlorobenzene	16.483	284	442271	39.912	ng	97
69) Atrazine	16.642	200	388998	39.190	ng	98
70) Pentachlorophenol	16.836	266	288486	41.242	ng	96
71) Phenanthrene	17.230	178	1852149	38.791	ng	100
72) Anthracene	17.324	178	1927125	39.524	ng	99
73) Carbazole	17.601	167	1767299	38.481	ng	100
74) Di-n-butylphthalate	18.201	149	2118222	37.487	ng	100
75) Fluoranthene	19.319	202	2056945	36.116	ng	98
77) Benzidine	19.507	184	955775	34.006	ng	99
78) Pyrene	19.695	202	2114083	39.495	ng	100
80) Butylbenzylphthalate	20.648	149	936663	38.610	ng	100
81) Benzo(a)anthracene	21.612	228	2134261	39.296	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	789715	38.576	ng	100
83) Chrysene	21.677	228	1992794	39.179	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1368948	38.334	ng	100
85) Di-n-octyl phthalate	22.842	149	2466831	40.160	ng	98
87) Indeno(1,2,3-cd)pyrene	28.847	276	3108816	40.446	ng	98
88) Benzo(b)fluoranthene	23.948	252	2342446	37.901	ng	100
89) Benzo(k)fluoranthene	24.024	252	2325553	37.602	ng	99
90) Benzo(a)pyrene	24.854	252	2336844	38.843	ng	98
91) Dibenzo(a,h)anthracene	28.936	278	2537691	40.400	ng	100
92) Benzo(g,h,i)perylene	30.012	276	2515443	40.739	ng	100

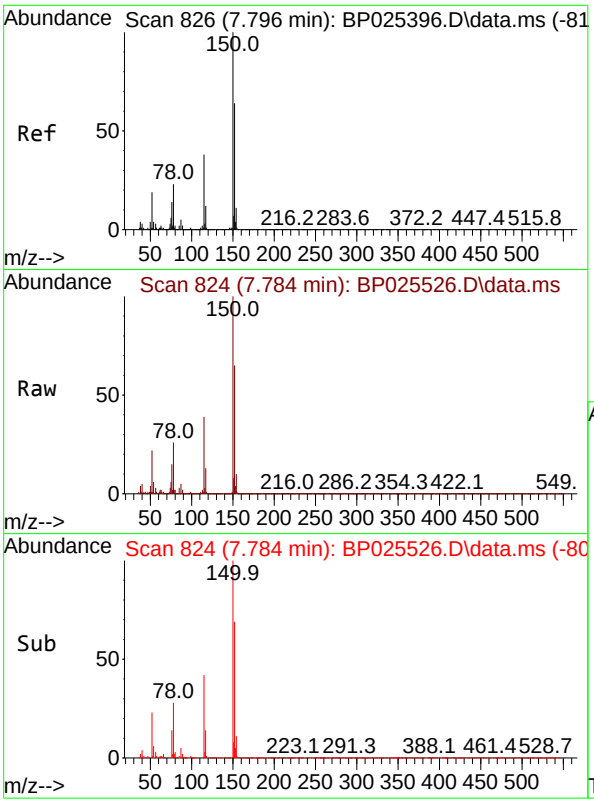
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



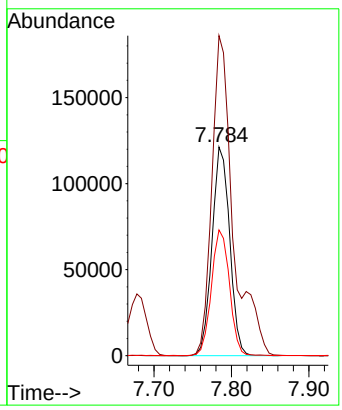


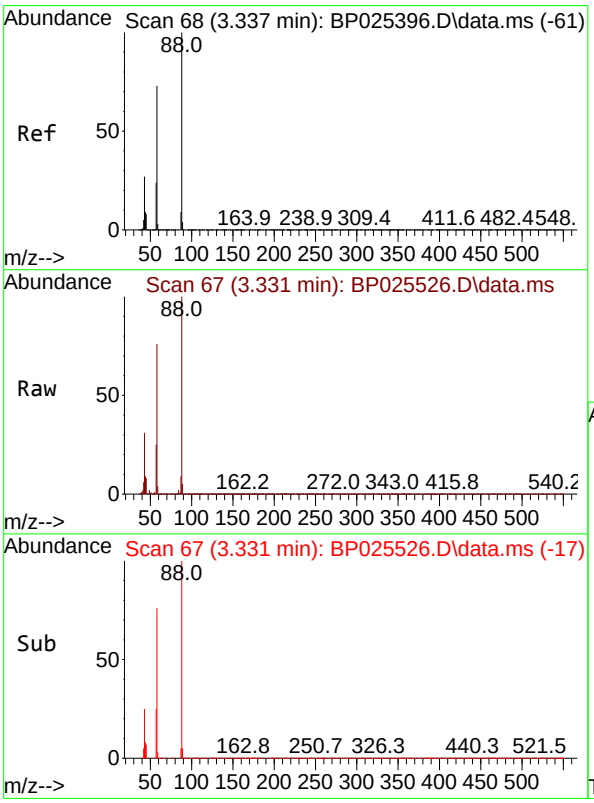
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 191900

Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.9	188.9
115	60.2	48.5	72.7

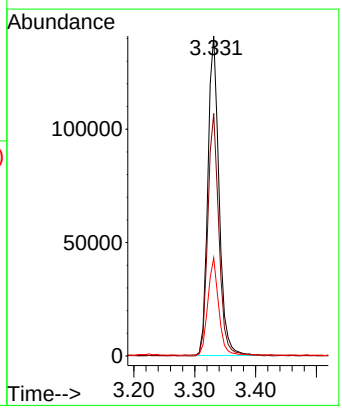


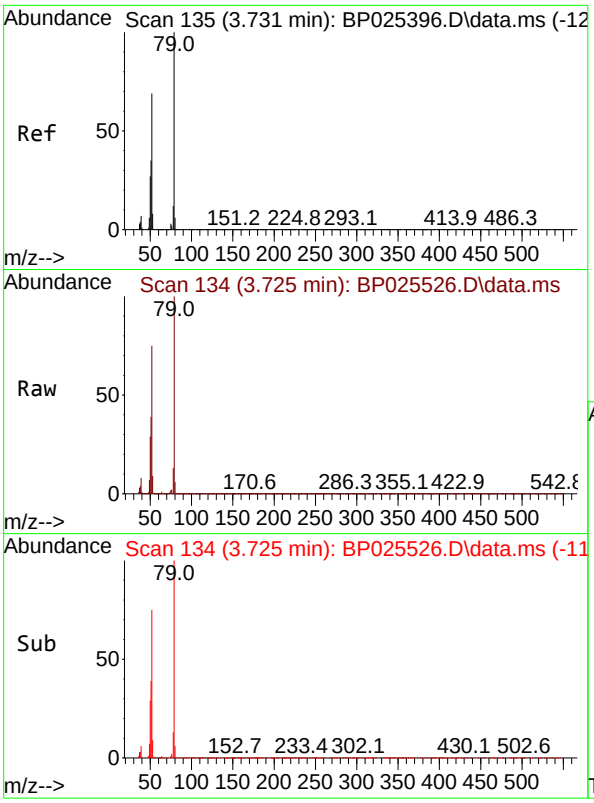


#2
1,4-Dioxane
Concen: 39.729 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 88 Resp: 179822

Ion	Ratio	Lower	Upper
88	100		
58	75.5	59.2	88.8
43	29.8	21.7	32.5



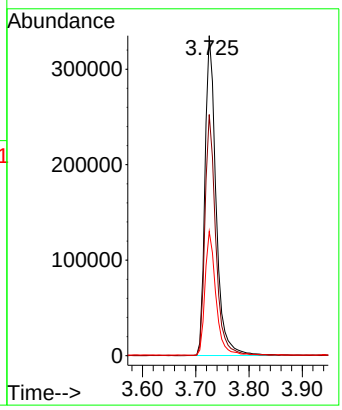


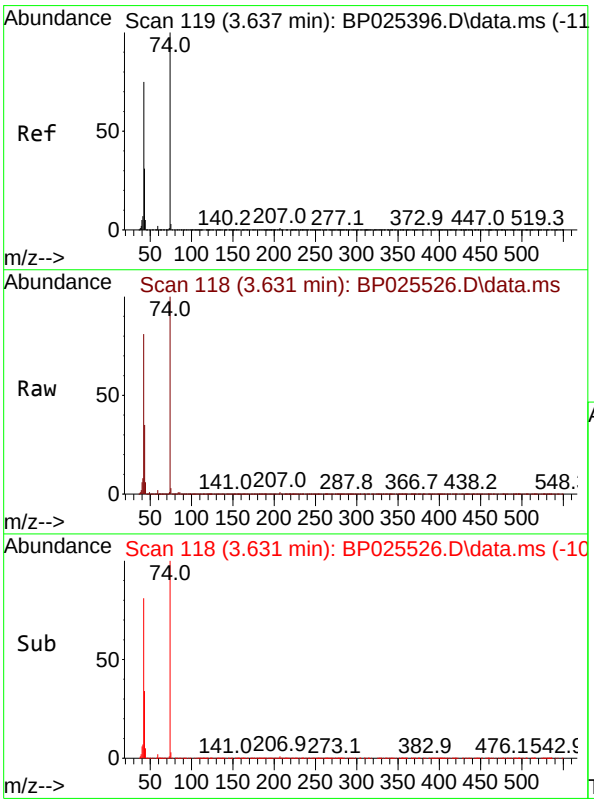
#3
Pyridine
Concen: 38.955 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 482600

Ion	Ratio	Lower	Upper
79	100		
52	75.3	55.5	83.3
51	38.8	28.3	42.5

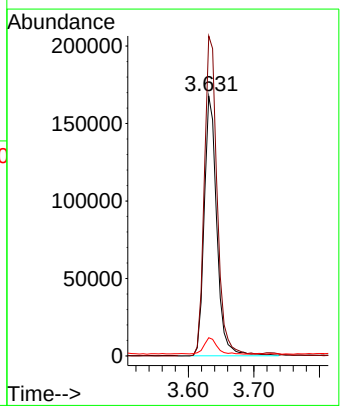


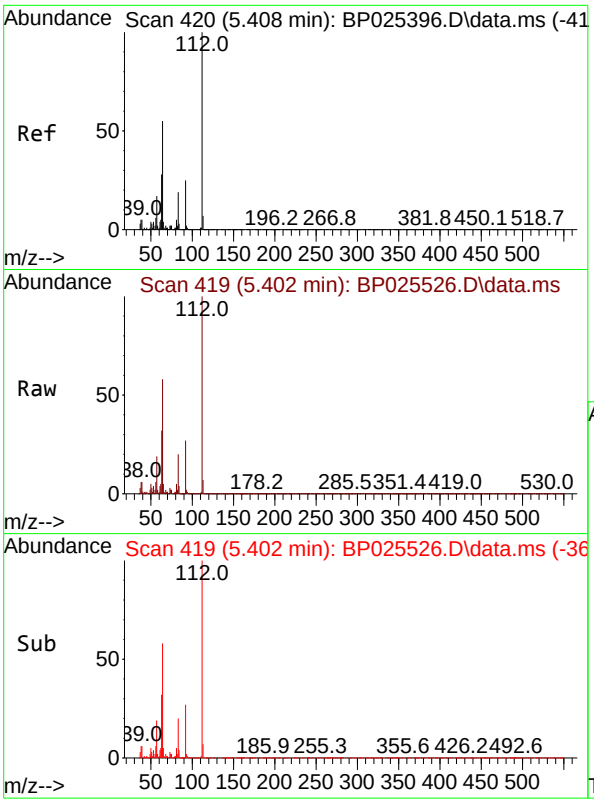


#4
n-Nitrosodimethylamine
Concen: 43.959 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 42 Resp: 224519

Ion	Ratio	Lower	Upper
42	100		
74	123.2	107.0	160.4
44	7.0	6.2	9.4



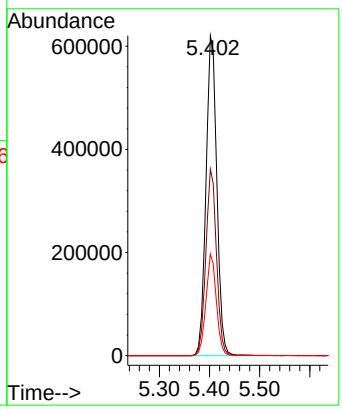


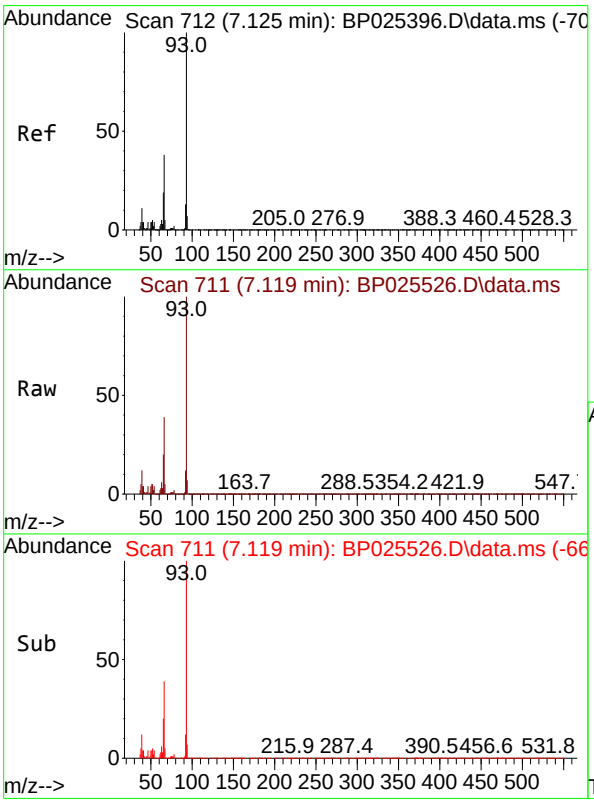
#5
2-Fluorophenol
Concen: 80.749 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 933086

Ion	Ratio	Lower	Upper
112	100		
64	58.3	43.8	65.8
63	31.7	22.7	34.1

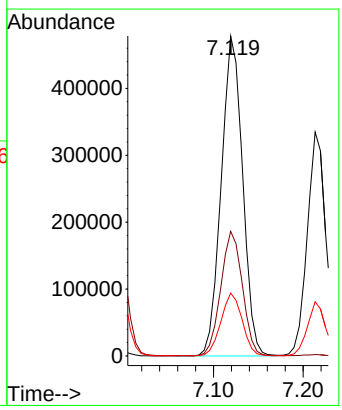


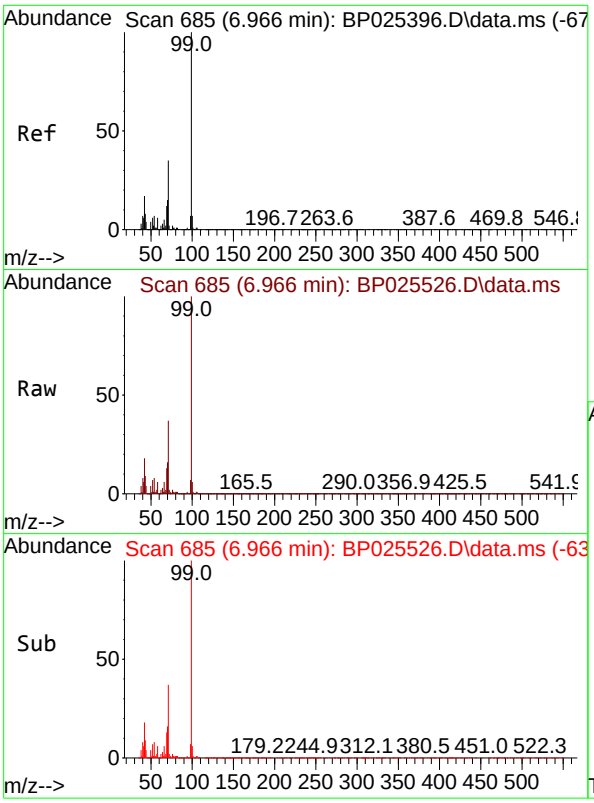


#6
Aniline
Concen: 39.629 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 93 Resp: 791031

Ion	Ratio	Lower	Upper
93	100		
66	39.0	30.4	45.6
65	19.6	15.3	22.9



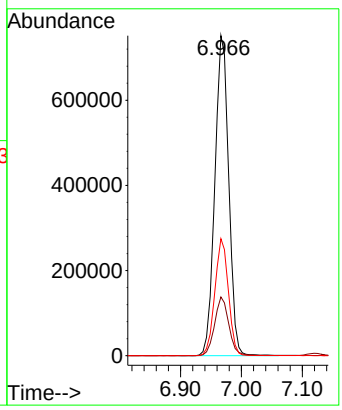


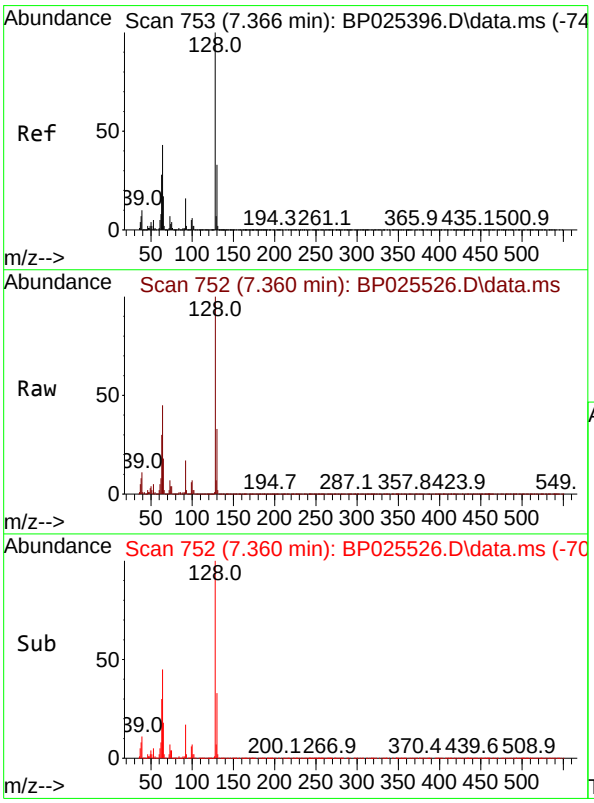
#7
Phenol-d6
Concen: 80.152 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1187456

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	36.6	28.2	42.4

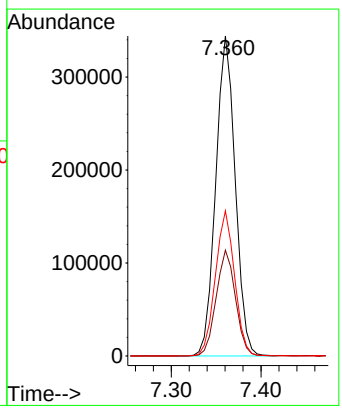


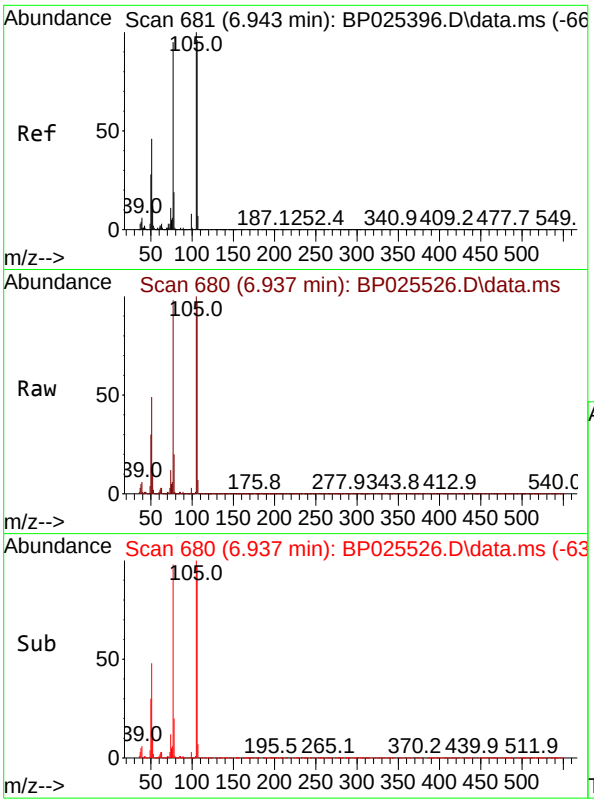


#8
2-Chlorophenol
Concen: 39.746 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:128 Resp: 518280

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	45.4	23.4	63.4



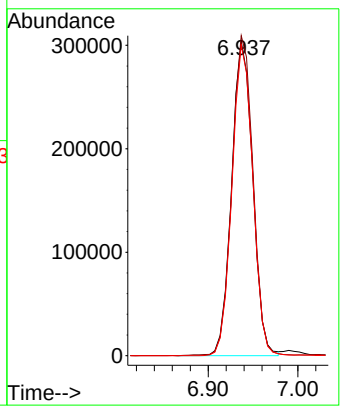


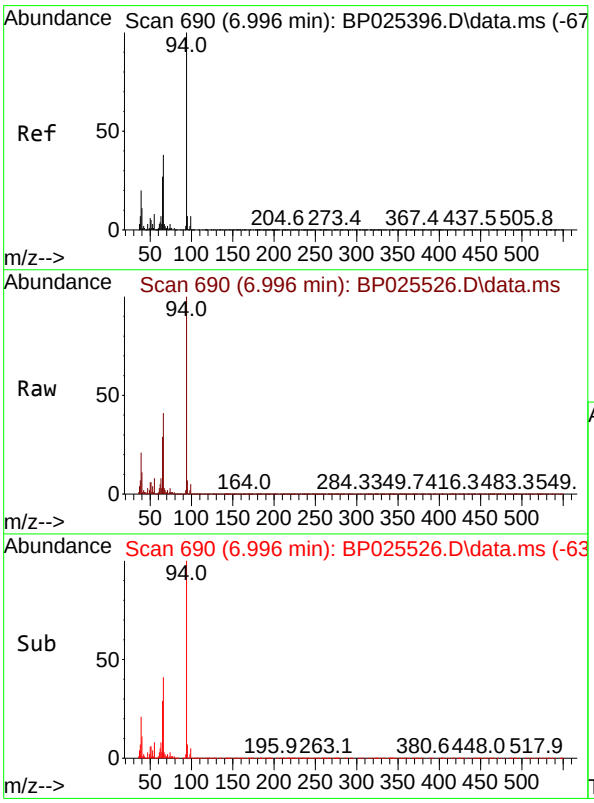
#9
Benzaldehyde
Concen: 47.711 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 495216

Ion	Ratio	Lower	Upper
77	100		
105	101.8	84.8	124.8
106	98.9	80.5	120.5

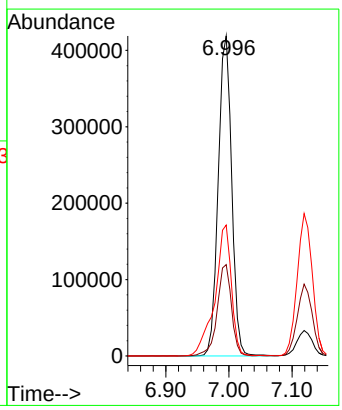


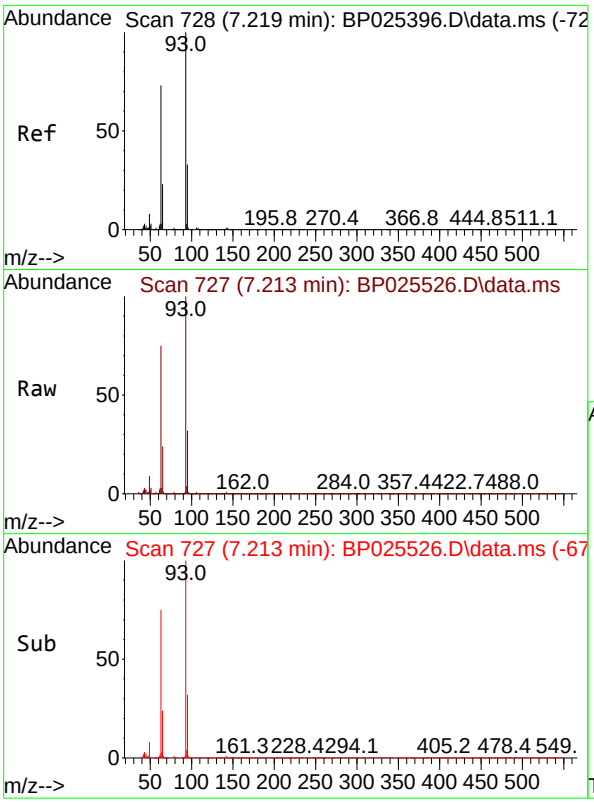


#10
Phenol
Concen: 39.828 ng
RT: 6.996 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 94 Resp: 619143

Ion	Ratio	Lower	Upper
94	100		
65	28.5	6.8	46.8
66	40.9	18.2	58.2



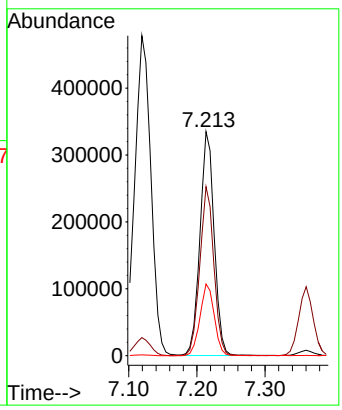


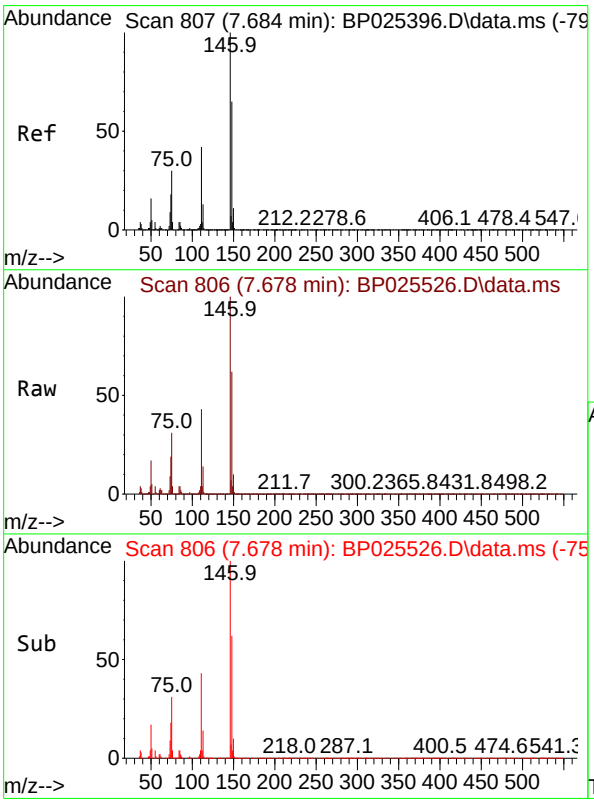
#11
bis(2-Chloroethyl)ether
Concen: 39.942 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 483955

Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.0	12.7	52.7

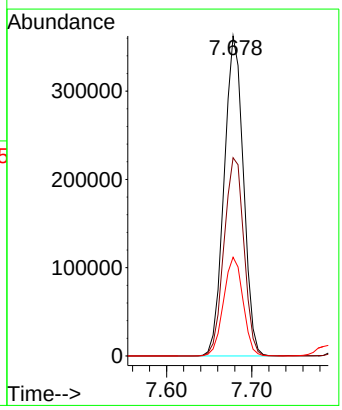


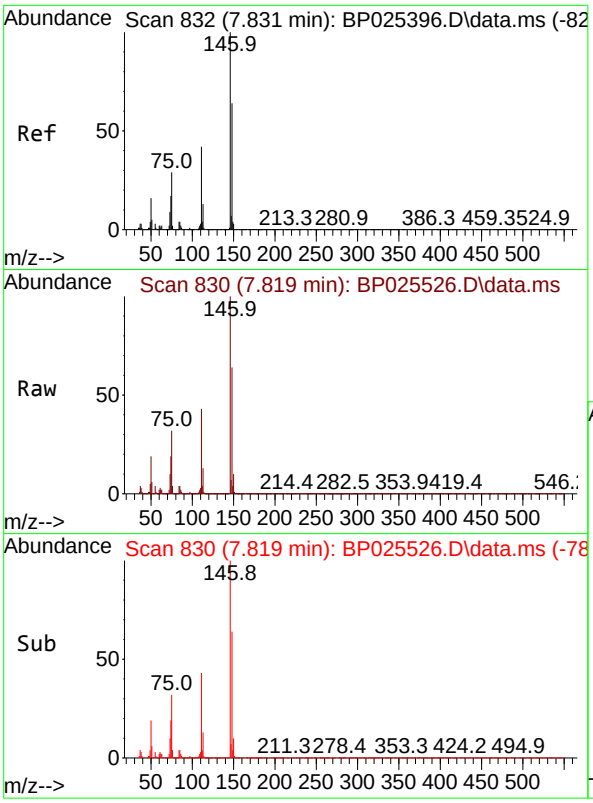


#12
1,3-Dichlorobenzene
Concen: 39.651 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:146 Resp: 570118

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.9	77.9
75	30.9	23.7	35.5



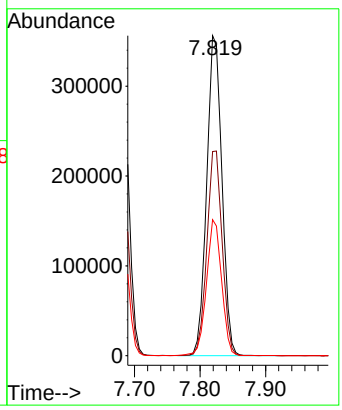


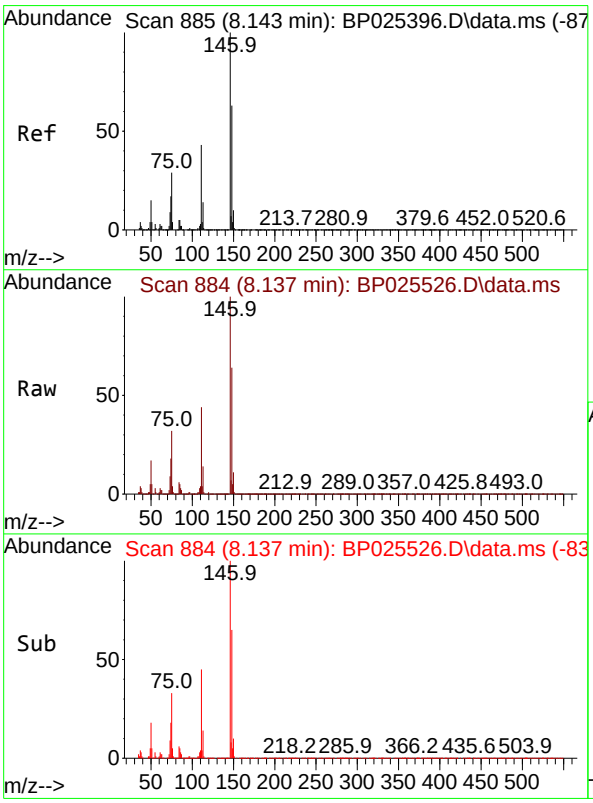
#13
1,4-Dichlorobenzene
Concen: 39.168 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 575622

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	42.5	33.4	50.0

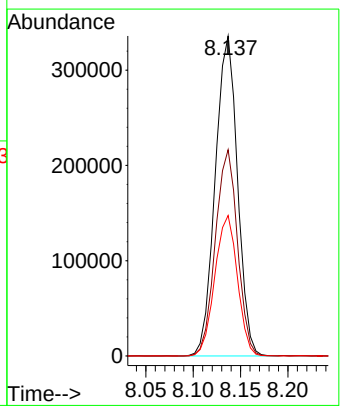


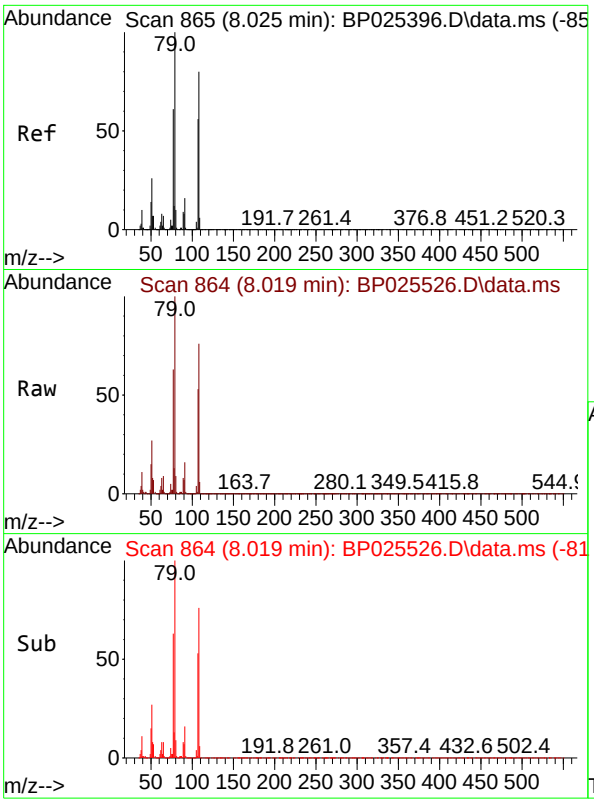


#14
1,2-Dichlorobenzene
Concen: 38.659 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:146 Resp: 549967

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.4	75.6
111	43.9	34.5	51.7



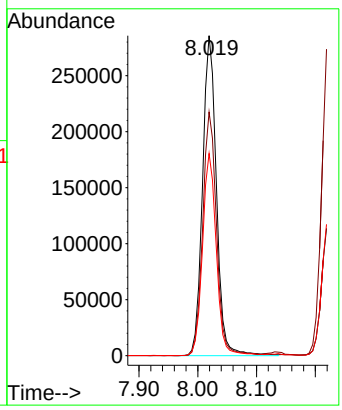


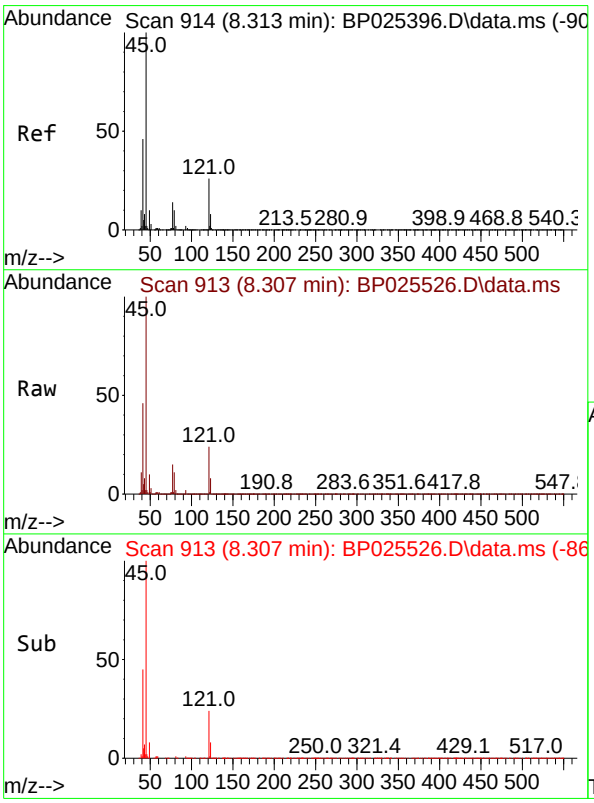
#15
Benzyl Alcohol
Concen: 40.000 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 470863

Ion	Ratio	Lower	Upper
79	100		
108	76.2	63.8	95.6
77	63.2	49.0	73.4

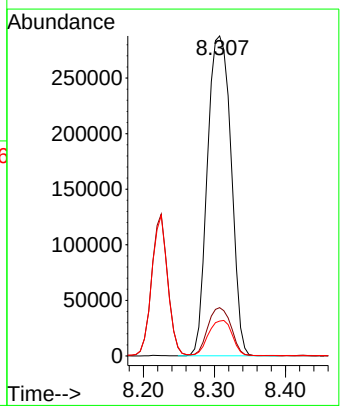


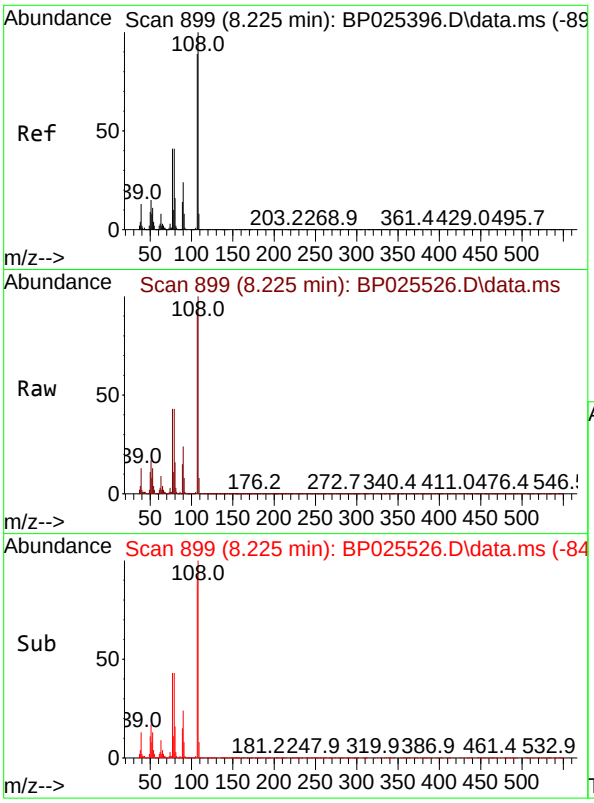


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.975 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 45 Resp: 665088

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.3
79	10.9	0.0	31.8



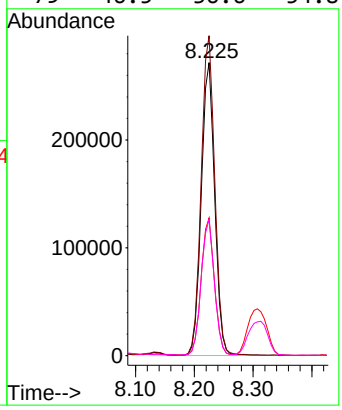


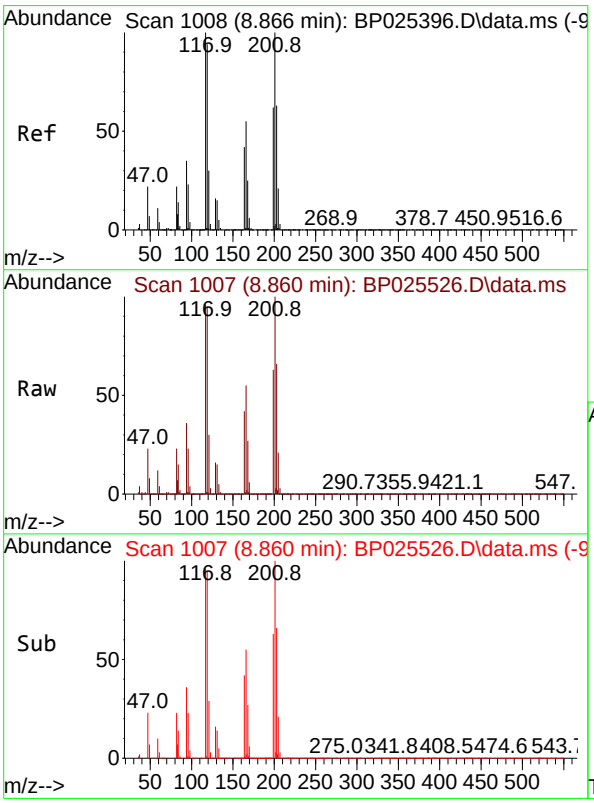
#17
2-Methylphenol
Concen: 39.881 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 430585

Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	47.0	36.3	54.5
79	46.5	36.6	54.8

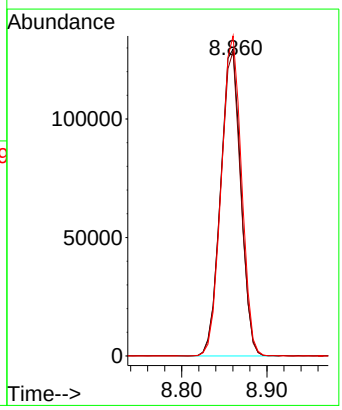


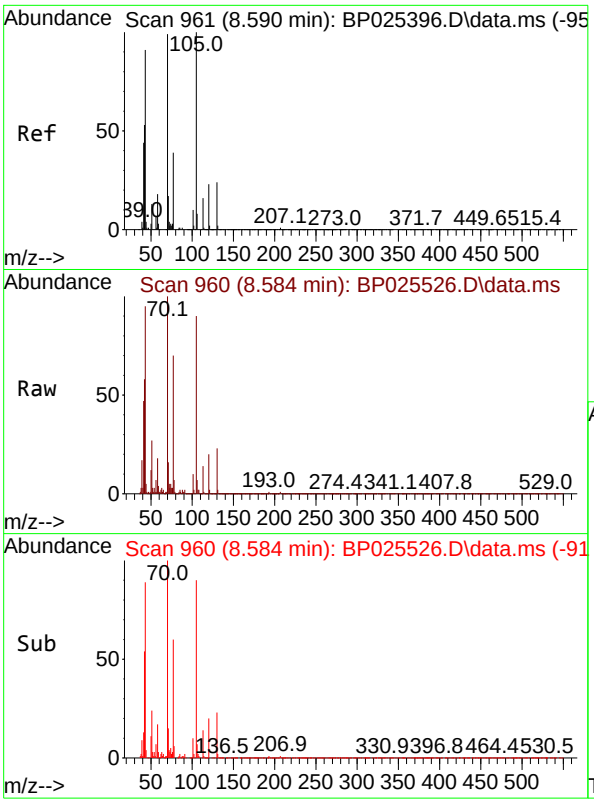


#18
Hexachloroethane
Concen: 39.729 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:117 Resp: 214677

Ion	Ratio	Lower	Upper
117	100		
119	99.3	75.1	112.7
201	104.3	80.1	120.1



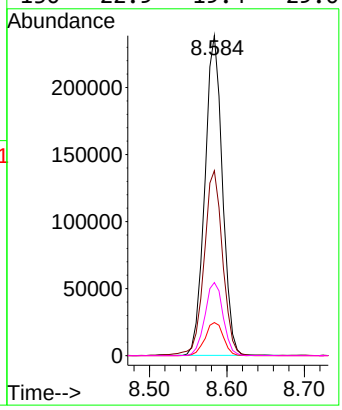


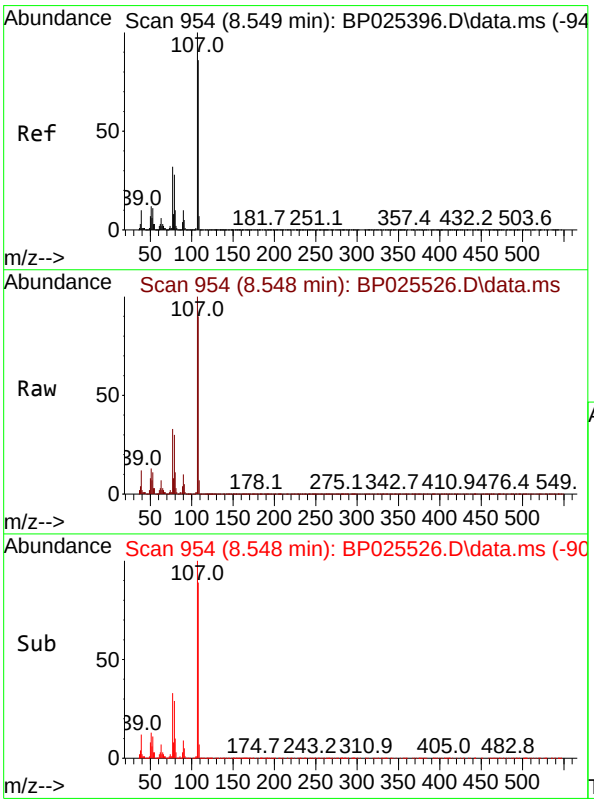
#19
n-Nitroso-di-n-propylamine
Concen: 38.186 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 374725

Ion	Ratio	Lower	Upper
70	100		
42	57.8	43.8	65.6
101	10.3	8.5	12.7
130	22.9	19.4	29.0

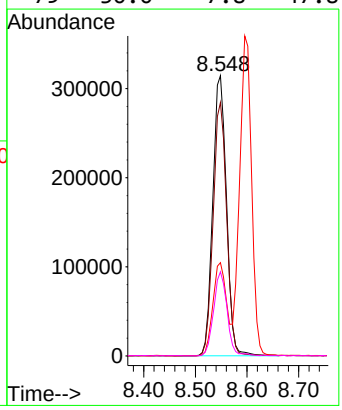


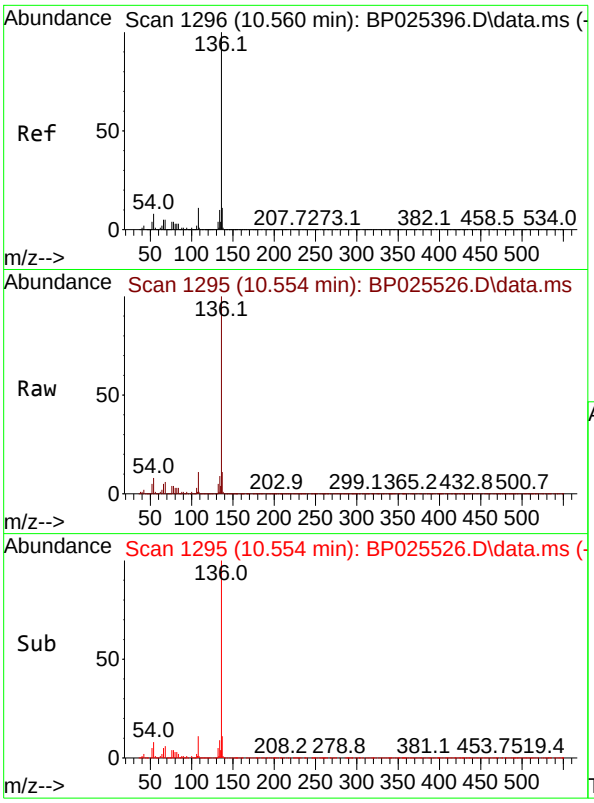


#20
3+4-Methylphenols
Concen: 38.594 ng
RT: 8.548 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:107 Resp: 577590

Ion	Ratio	Lower	Upper
107	100		
108	90.4	66.3	106.3
77	33.3	12.3	52.3
79	30.0	7.8	47.8



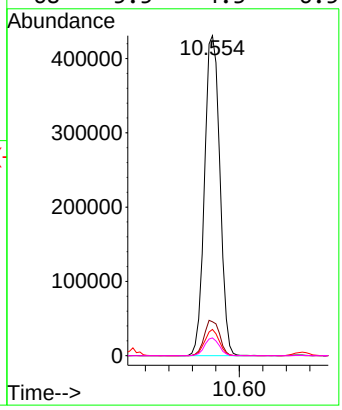


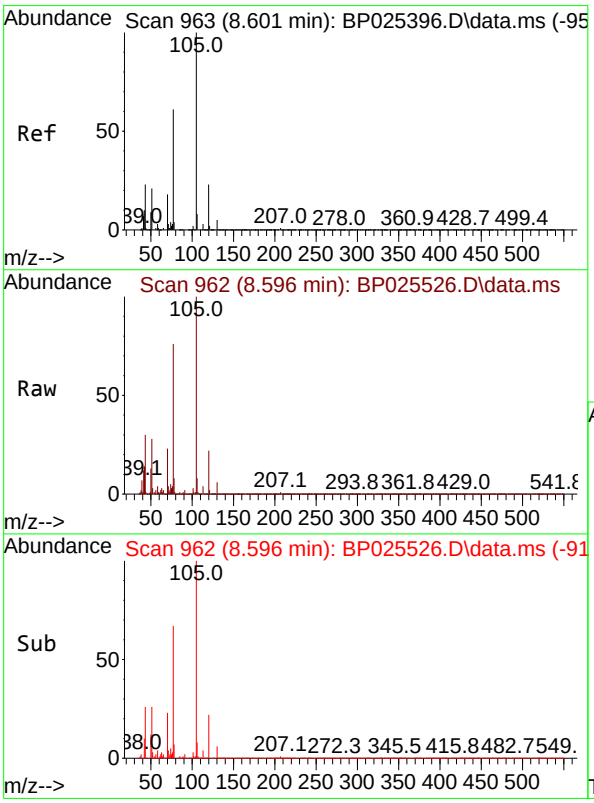
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 778080

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.2	6.0	9.0
68	5.5	4.3	6.5

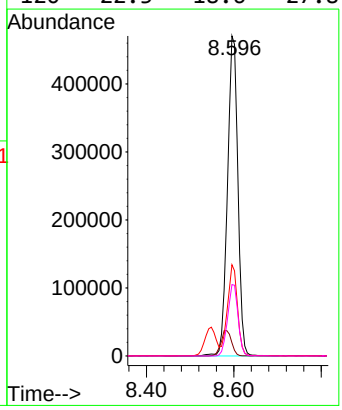


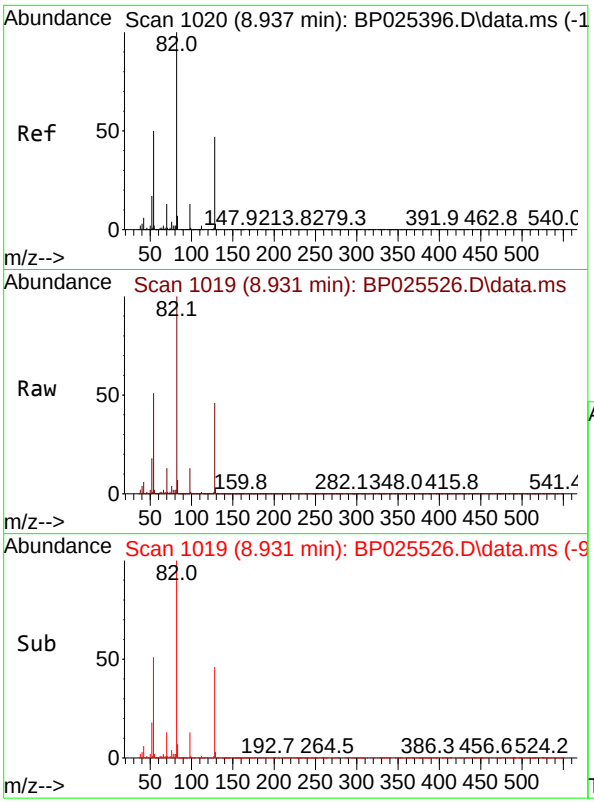


#22
Acetophenone
Concen: 39.831 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:105 Resp: 777206

Ion	Ratio	Lower	Upper
105	100		
71	4.1	2.6	4.0#
51	28.5	20.6	30.8
120	22.3	18.6	27.8



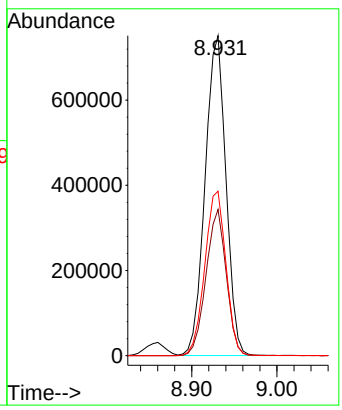


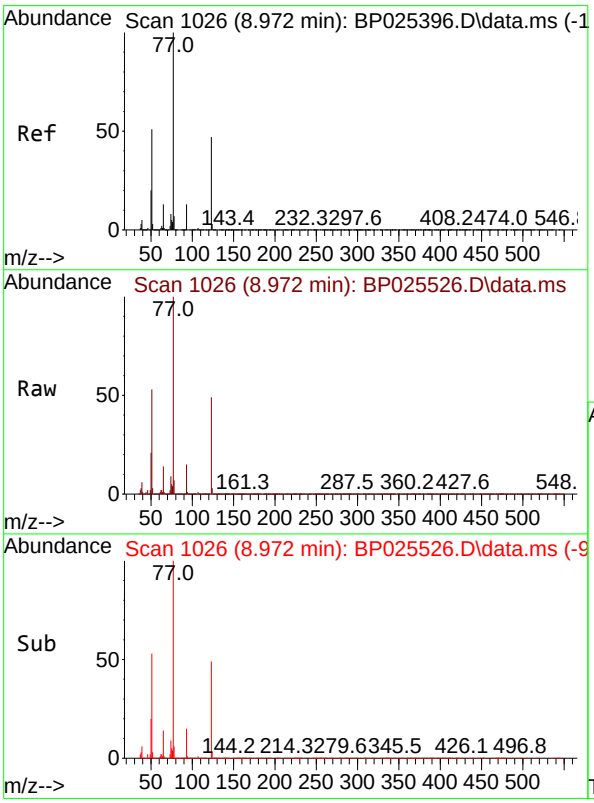
#23
Nitrobenzene-d5
Concen: 82.765 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1273041

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	51.4	39.8	59.6

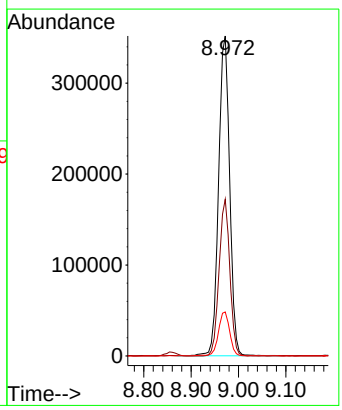


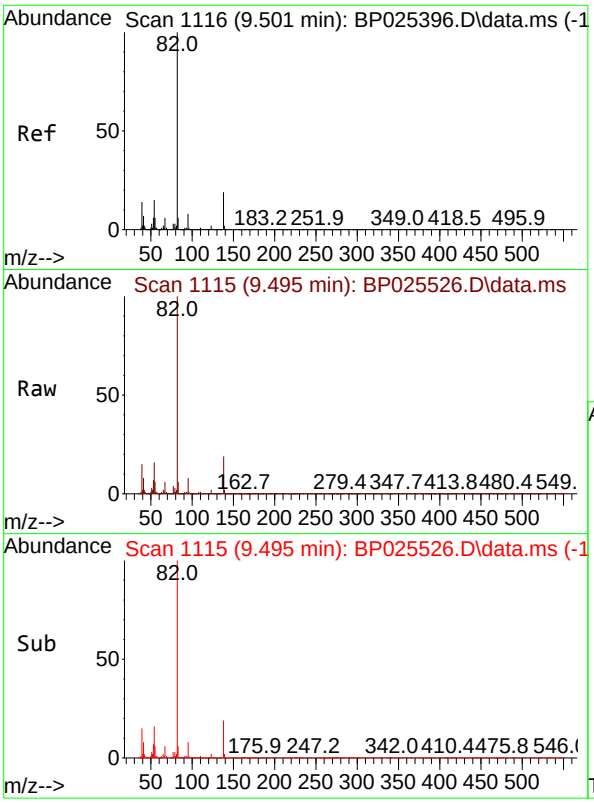


#24
Nitrobenzene
Concen: 41.406 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 77 Resp: 569192

Ion	Ratio	Lower	Upper
77	100		
123	48.9	38.6	58.0
65	13.8	10.6	15.8



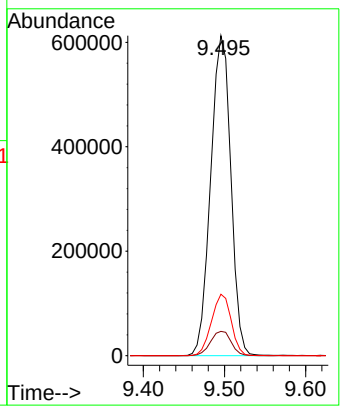


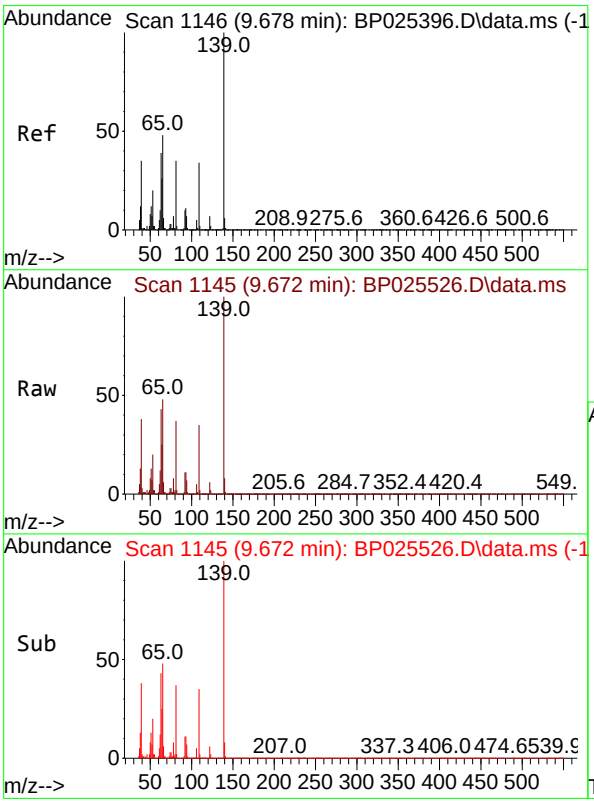
#25
Isophorone
Concen: 38.851 ng
RT: 9.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1057559

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	19.2	15.4	23.0

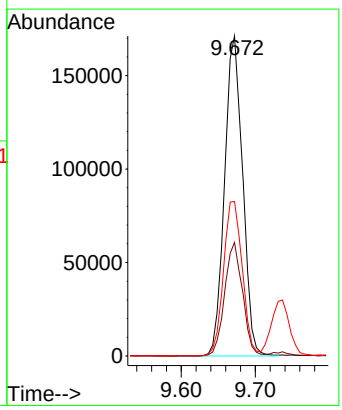


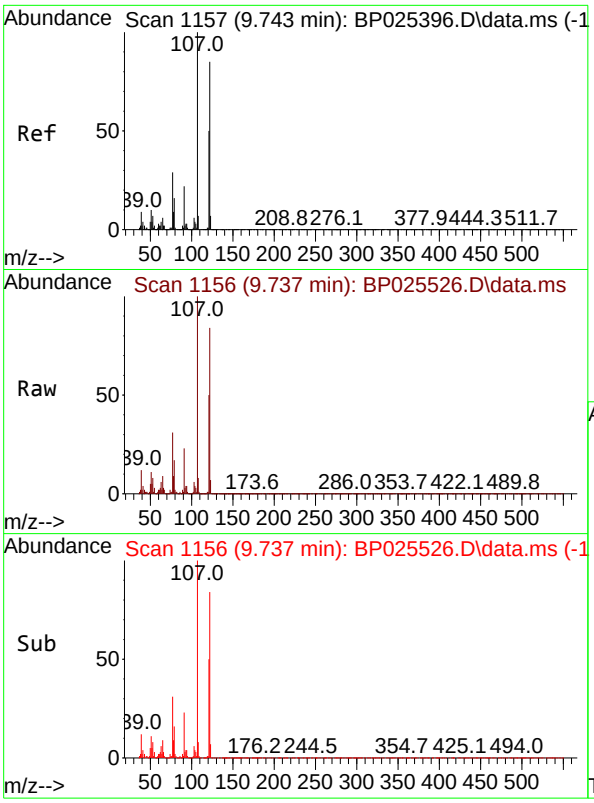


#26
2-Nitrophenol
Concen: 41.086 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:139 Resp: 289854

Ion	Ratio	Lower	Upper
139	100		
109	35.5	26.9	40.3
65	48.3	38.3	57.5



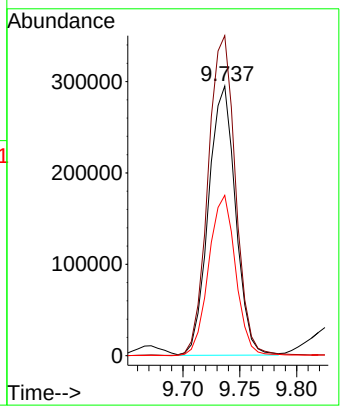


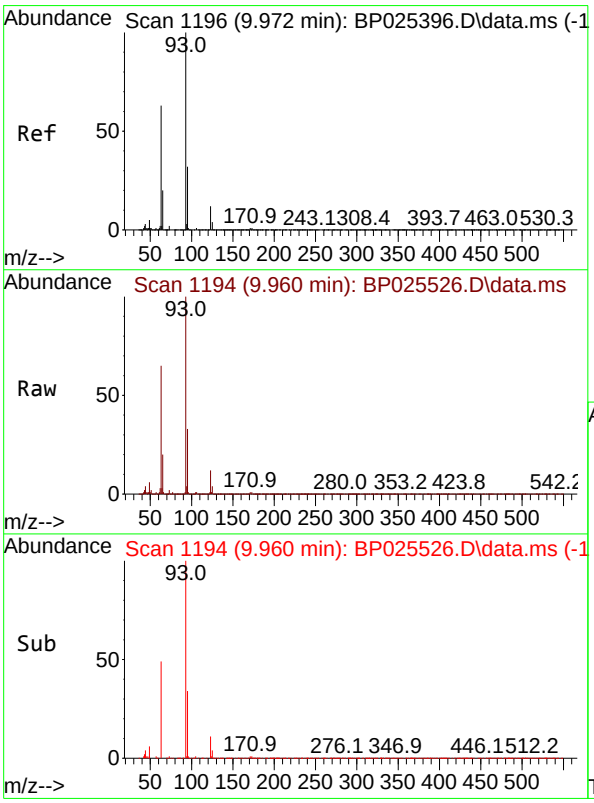
#27
2,4-Dimethylphenol
Concen: 40.225 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 488029

Ion	Ratio	Lower	Upper
122	100		
107	118.7	93.7	140.5
121	59.5	46.6	69.8

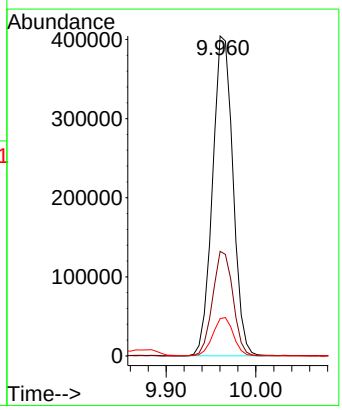


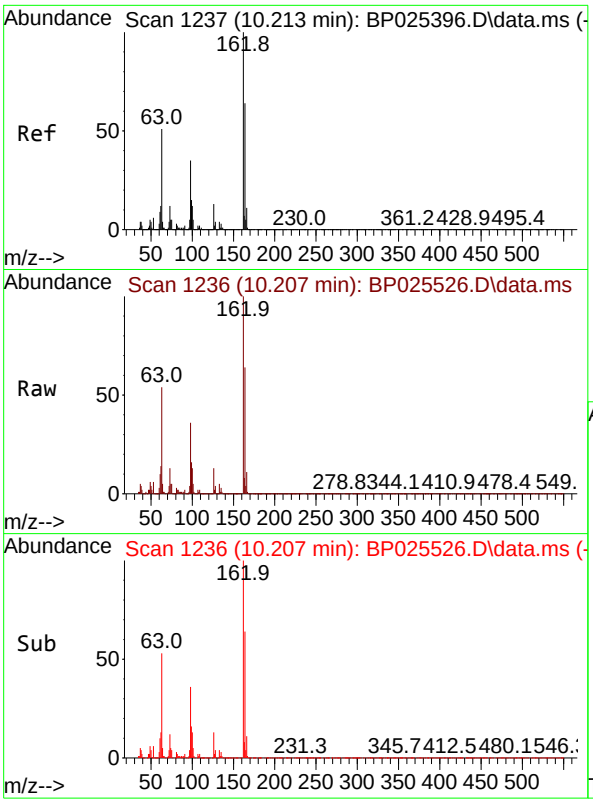


#28
bis(2-Chloroethoxy)methane
Concen: 38.812 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 93 Resp: 638647

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.7	9.4	14.0



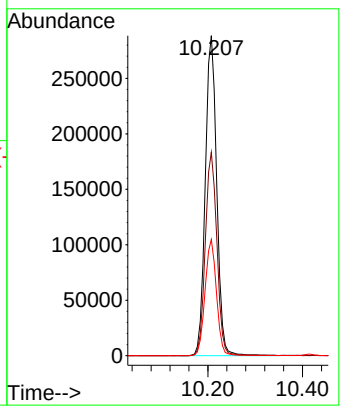


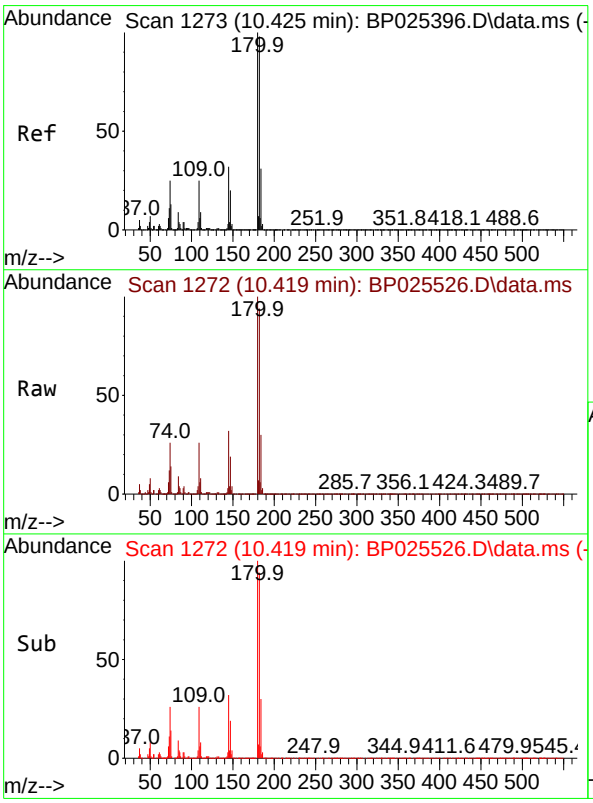
#29
2,4-Dichlorophenol
Concen: 40.055 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 482743

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.4	84.4
98	36.3	14.9	54.9

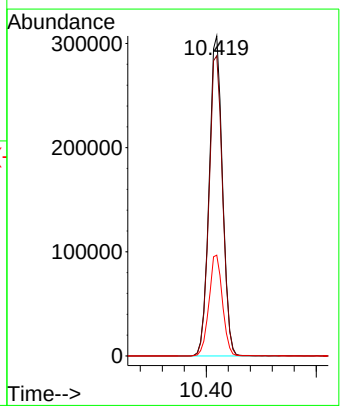


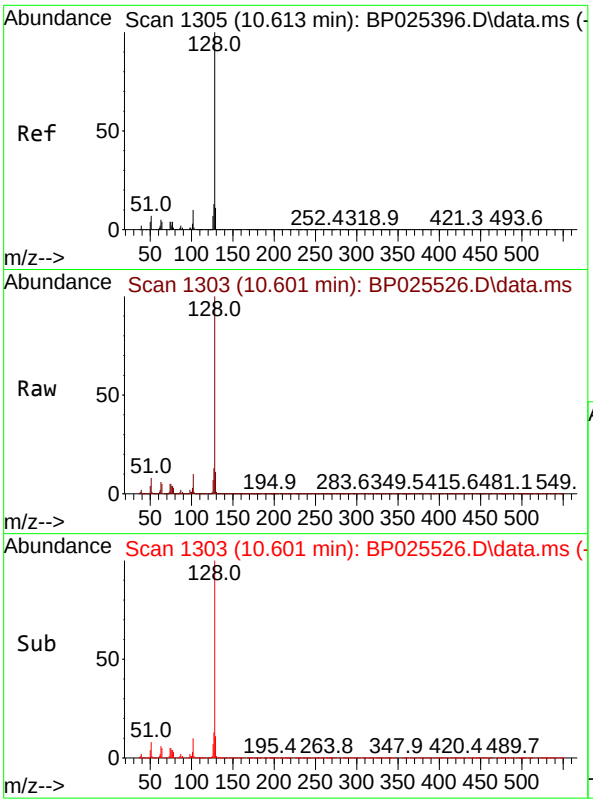


#30
1,2,4-Trichlorobenzene
Concen: 39.125 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:180 Resp: 516908

Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.0	117.0
145	31.5	25.9	38.9



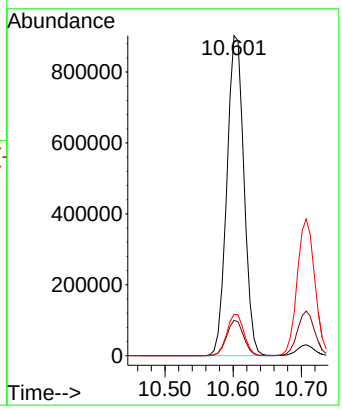


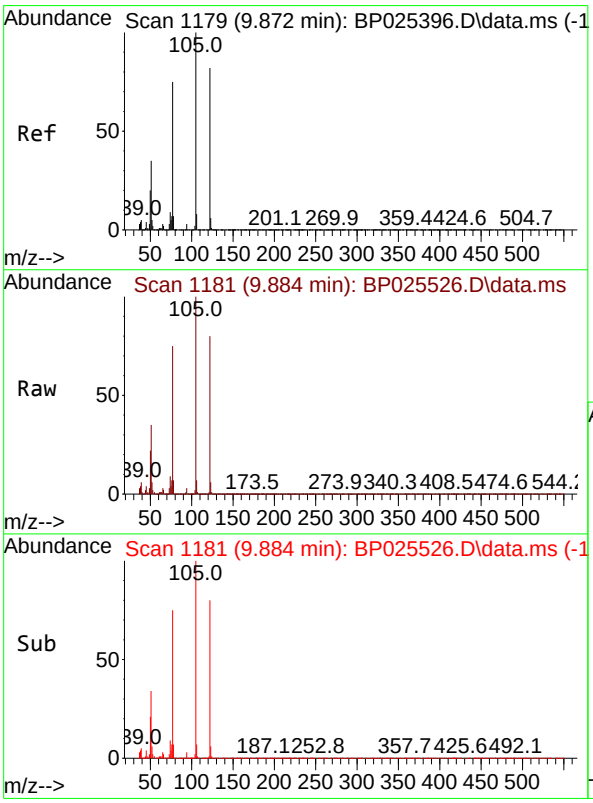
#31
Naphthalene
Concen: 38.828 ng
RT: 10.601 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1570246

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.9	10.7	16.1

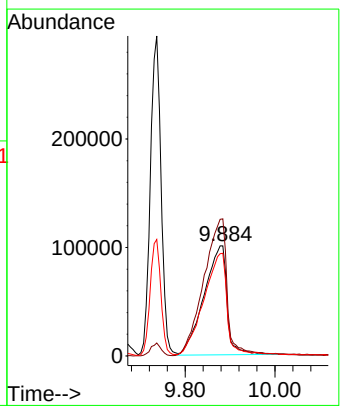


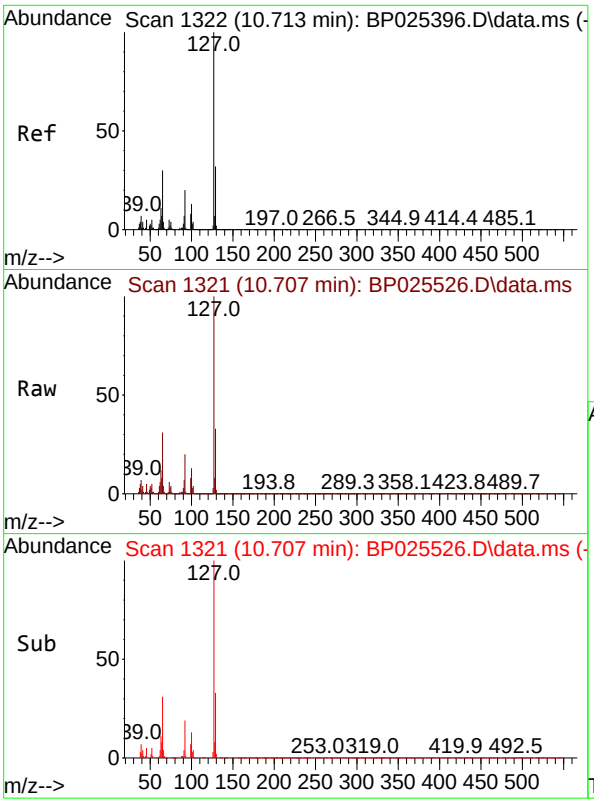


#32
Benzoic acid
Concen: 40.049 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:122 Resp: 358720

Ion	Ratio	Lower	Upper
122	100		
105	124.5	100.6	140.6
77	93.3	71.5	111.5



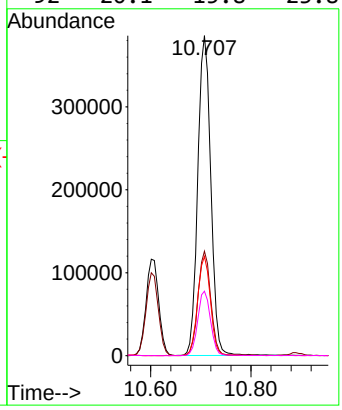


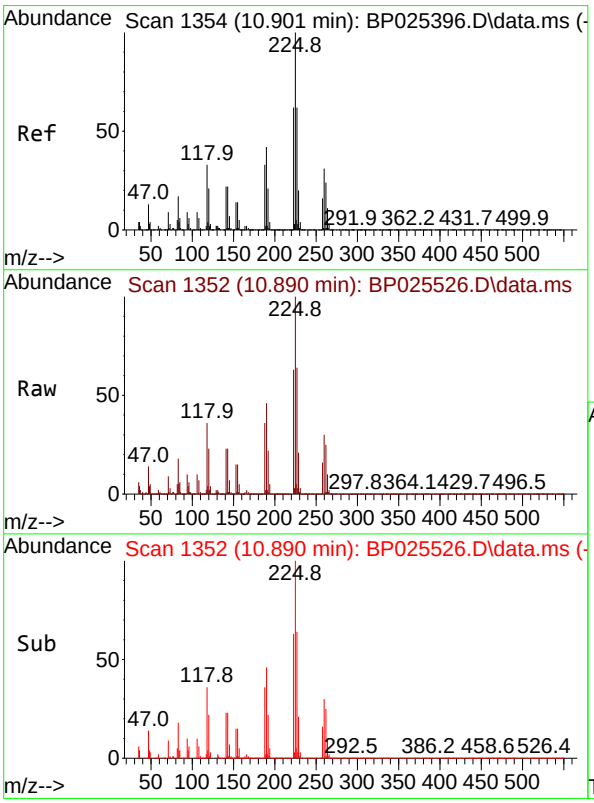
#33
4-Chloroaniline
Concen: 38.991 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 696525

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	31.0	23.8	35.6
92	20.1	15.8	23.8

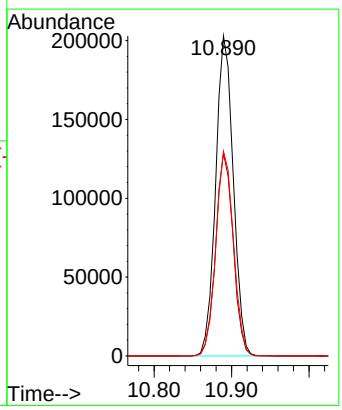


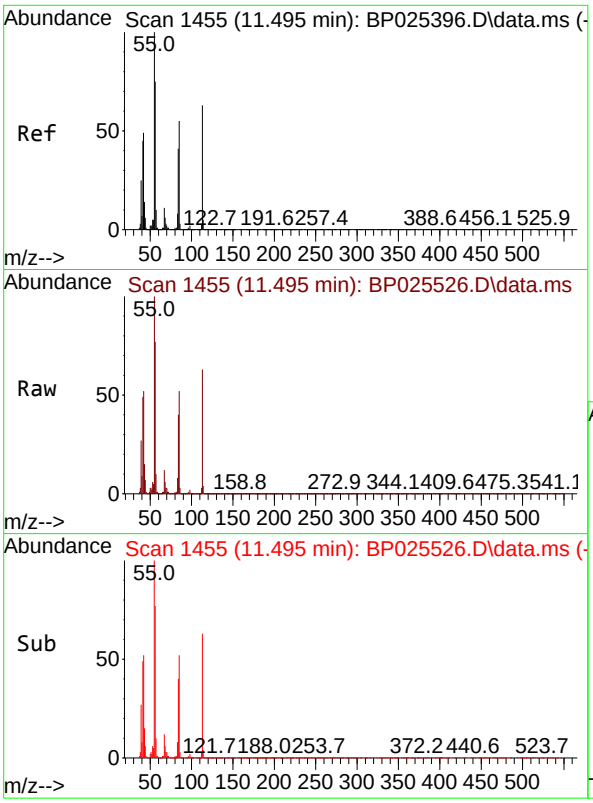


#34
Hexachlorobutadiene
Concen: 39.065 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:225 Resp: 321424

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	64.0	49.7	74.5



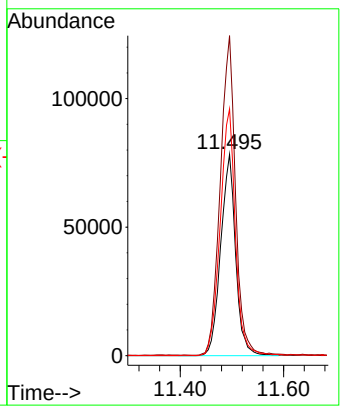


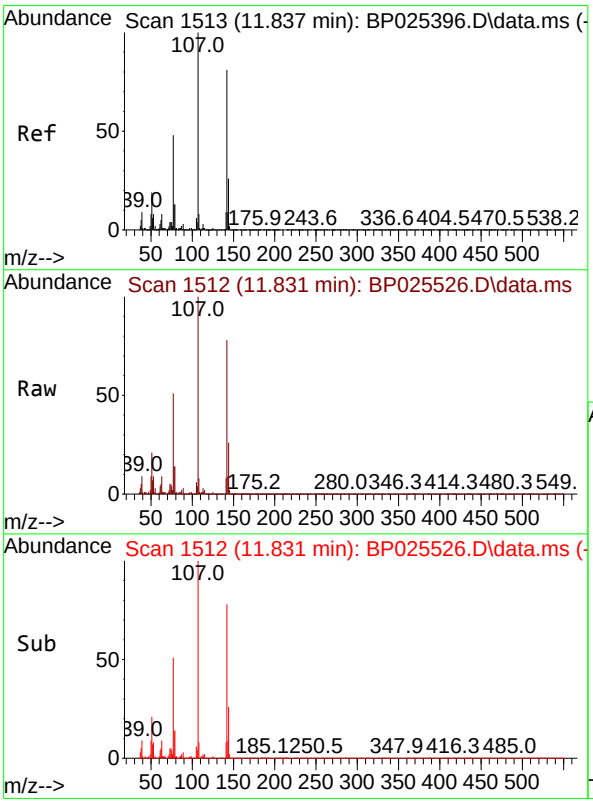
#35
Caprolactam
Concen: 35.484 ng
RT: 11.495 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 156812

Ion	Ratio	Lower	Upper
113	100		
55	159.0	140.0	180.0
56	122.6	100.0	140.0

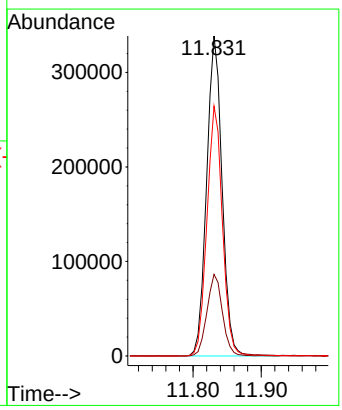


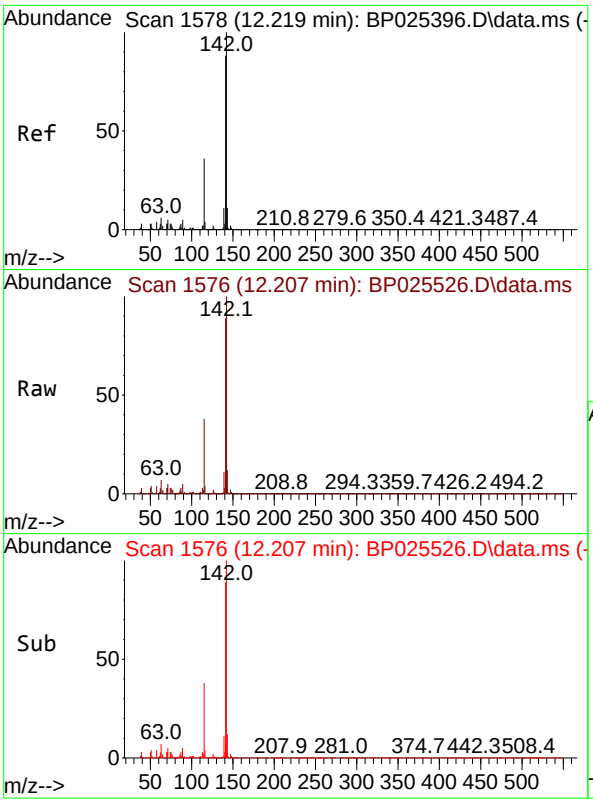


#36
4-Chloro-3-methylphenol
Concen: 38.676 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:107 Resp: 534863

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	78.1	64.6	97.0



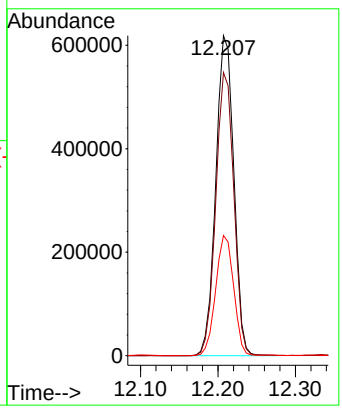


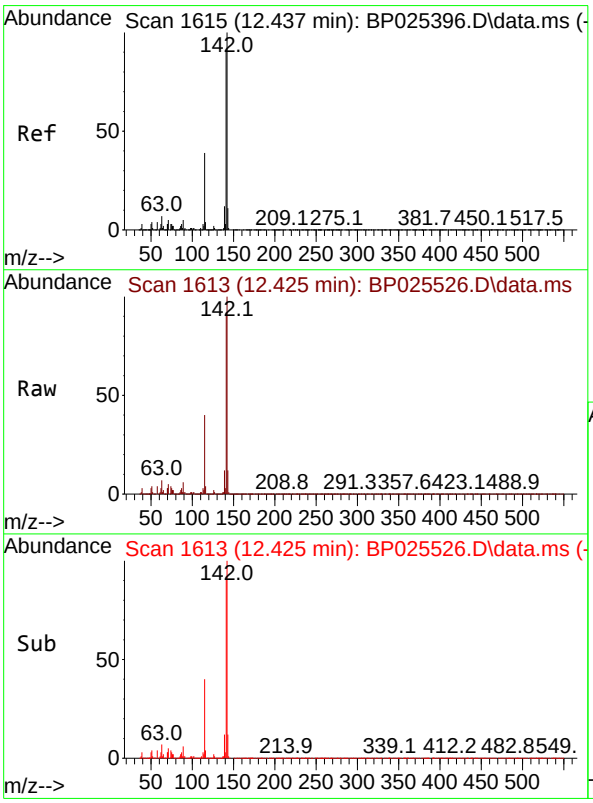
#37
2-Methylnaphthalene
Concen: 37.995 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 999947

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	37.6	28.9	43.3

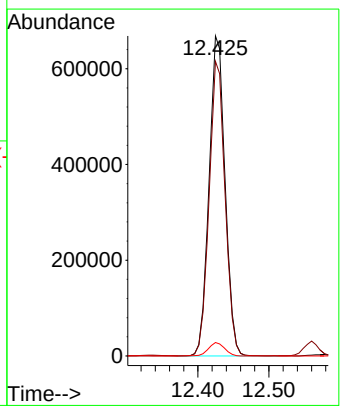


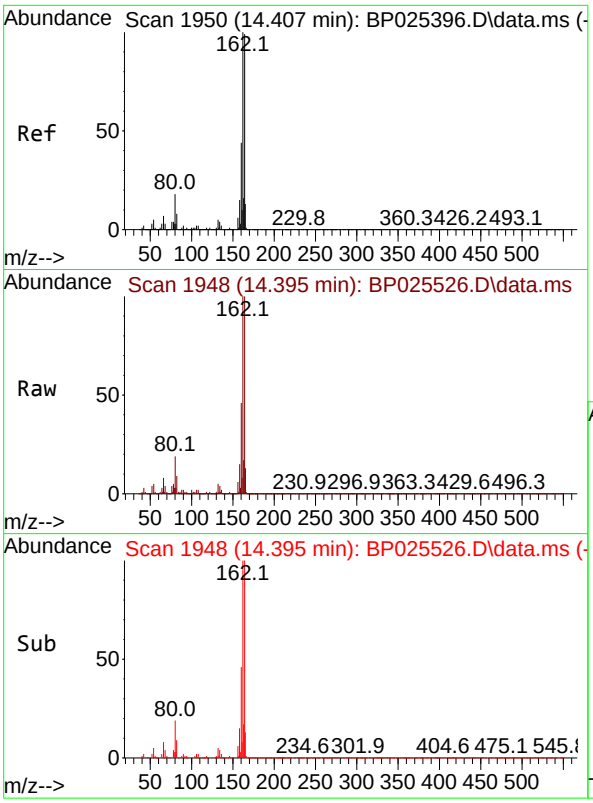


#38
1-Methylnaphthalene
Concen: 37.300 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:142 Resp: 1043941

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7
116	4.2	3.2	4.8



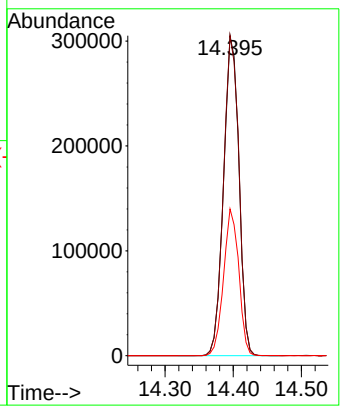


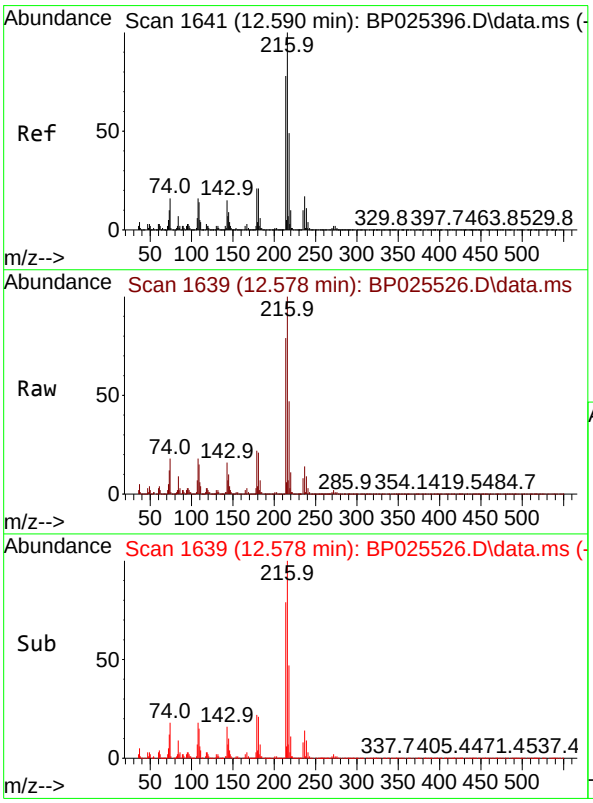
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 480142

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.0	121.6
160	45.9	35.4	53.2

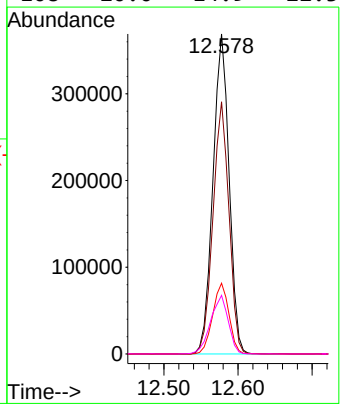


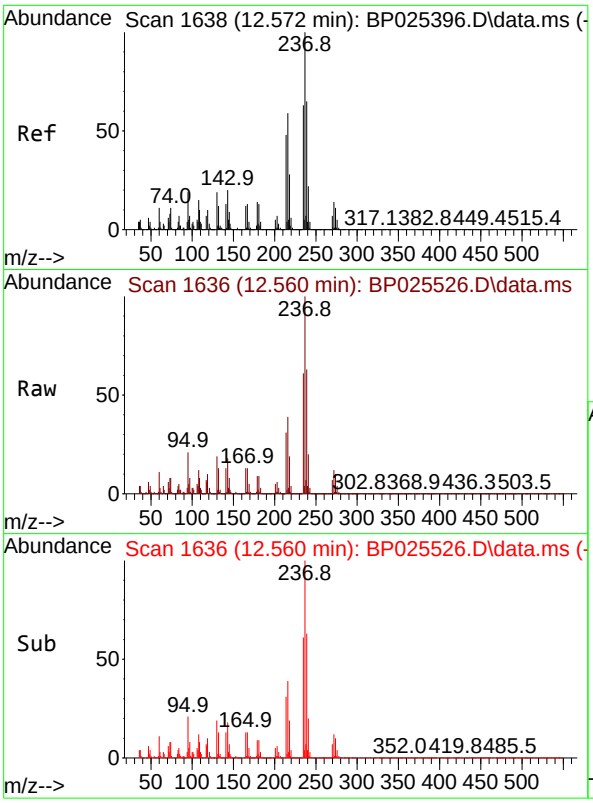


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.240 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:216 Resp: 558004

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	22.3	17.1	25.7
108	20.0	14.9	22.3



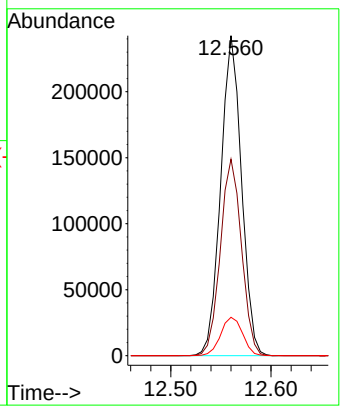


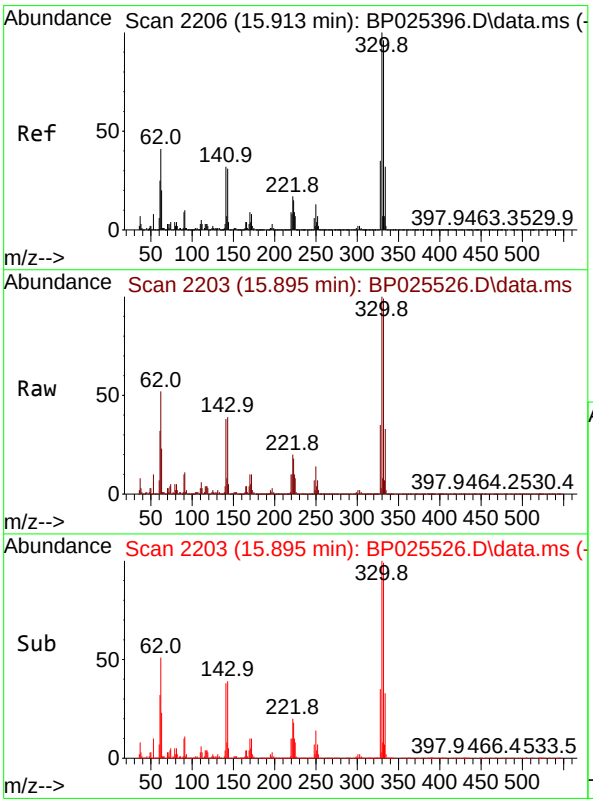
#41
Hexachlorocyclopentadiene
Concen: 41.668 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 349022

Ion	Ratio	Lower	Upper
237	100		
235	61.4	42.7	82.7
272	12.0	0.0	34.0

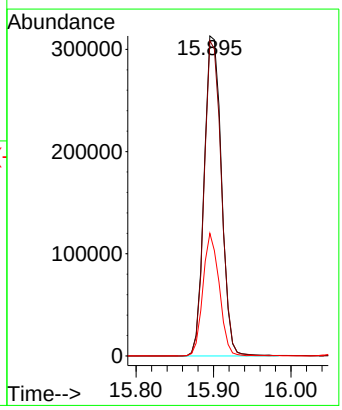


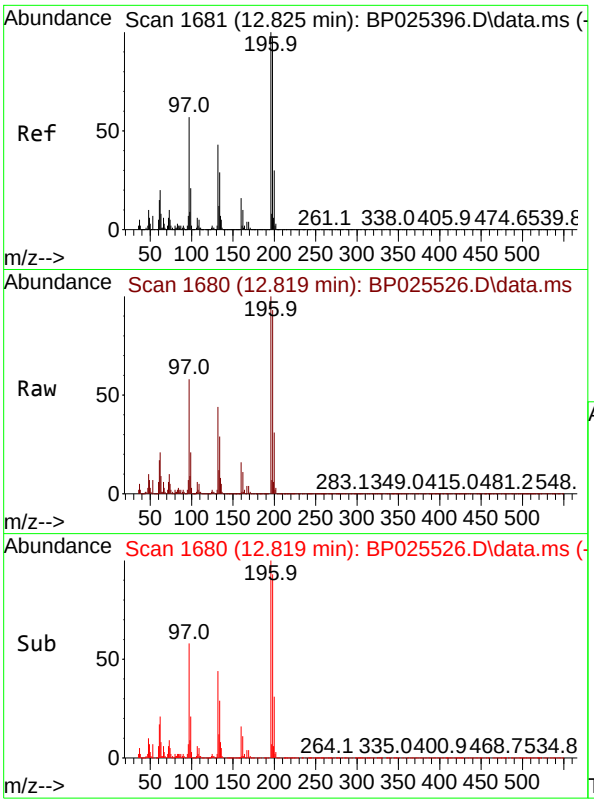


#42
2,4,6-Tribromophenol
Concen: 74.936 ng
RT: 15.895 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:330 Resp: 484295

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	36.4	26.6	39.8



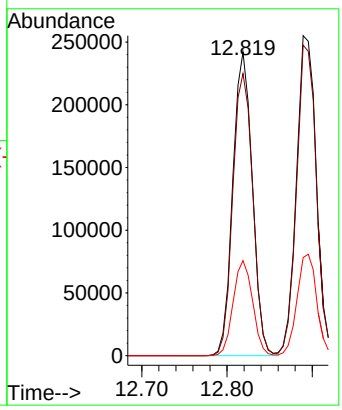


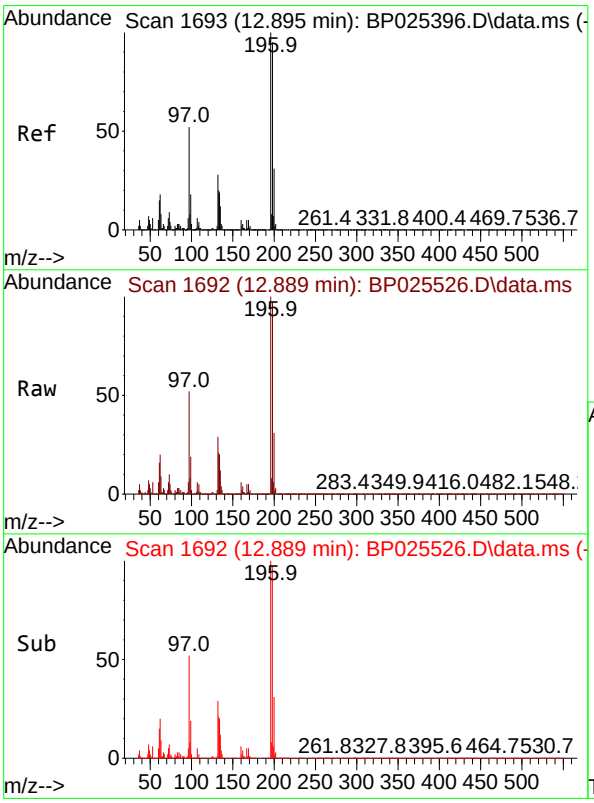
#43
2,4,6-Trichlorophenol
Concen: 41.205 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 385756

Ion	Ratio	Lower	Upper
196	100		
198	92.9	77.2	115.8
200	31.3	23.9	35.9

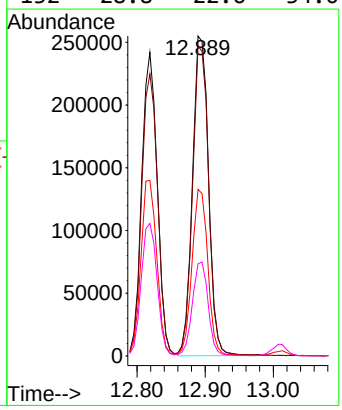


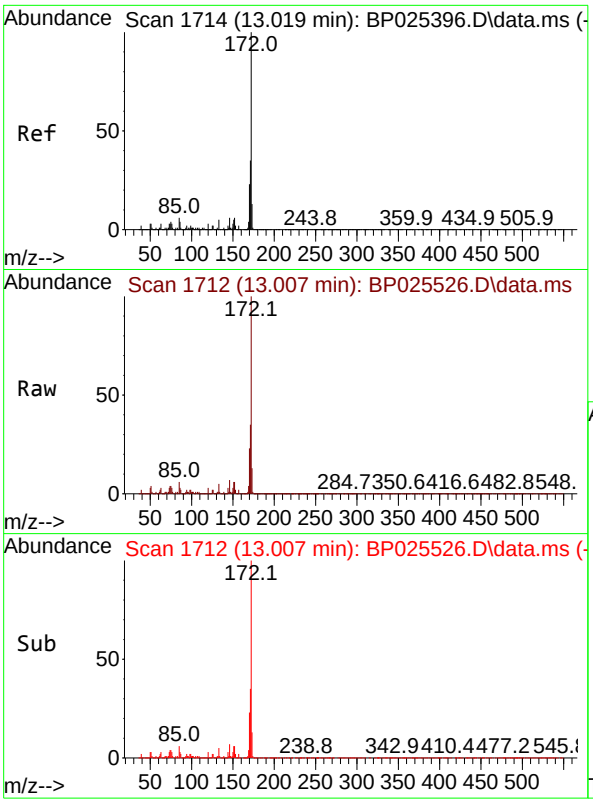


#44
2,4,5-Trichlorophenol
Concen: 40.598 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:196 Resp: 416547

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.2	114.2
97	52.1	41.2	61.8
132	28.8	22.6	34.0



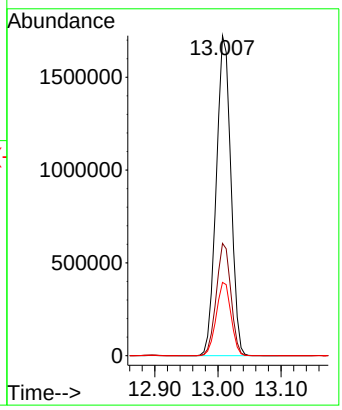


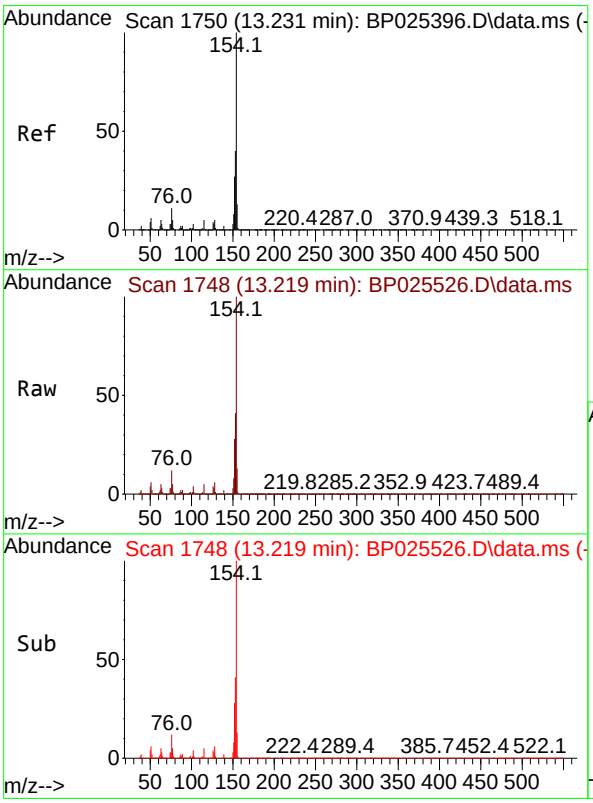
#45
2-Fluorobiphenyl
Concen: 78.794 ng
RT: 13.007 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2768196

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	22.9	18.6	28.0

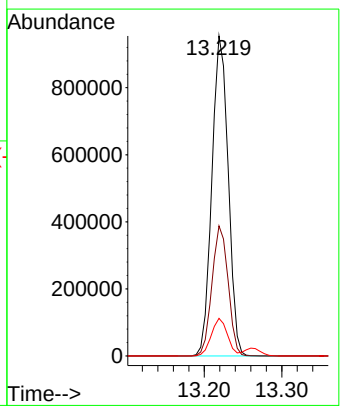


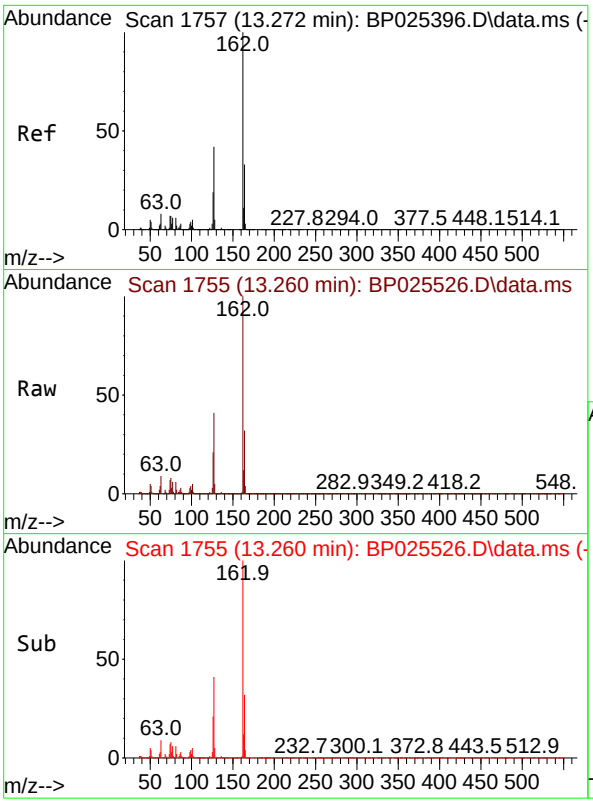


#46
1,1'-Biphenyl
Concen: 39.995 ng
RT: 13.219 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:154 Resp: 1394649

Ion	Ratio	Lower	Upper
154	100		
153	40.6	19.5	59.5
76	11.7	0.0	31.1



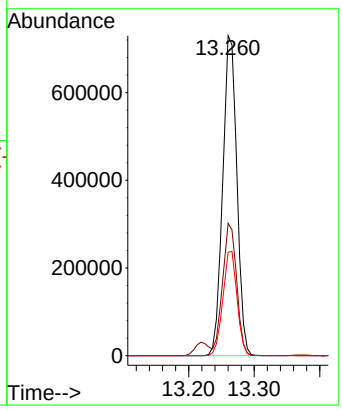


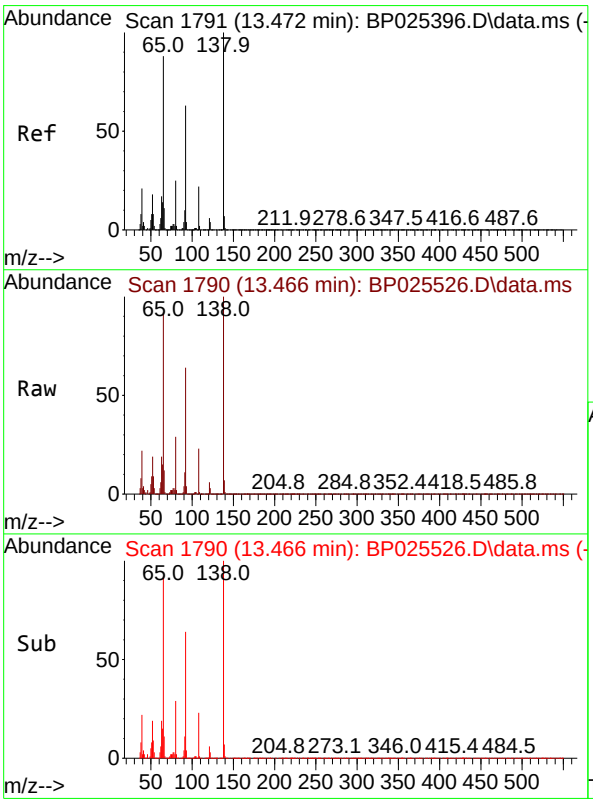
#47
2-Chloronaphthalene
Concen: 40.186 ng
RT: 13.260 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1090908

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	32.3	26.2	39.2

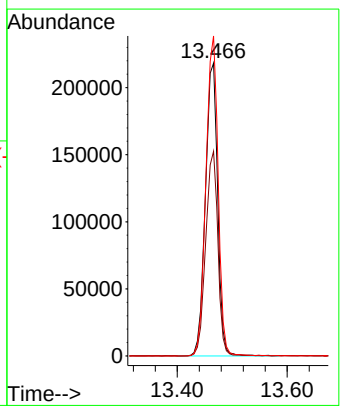


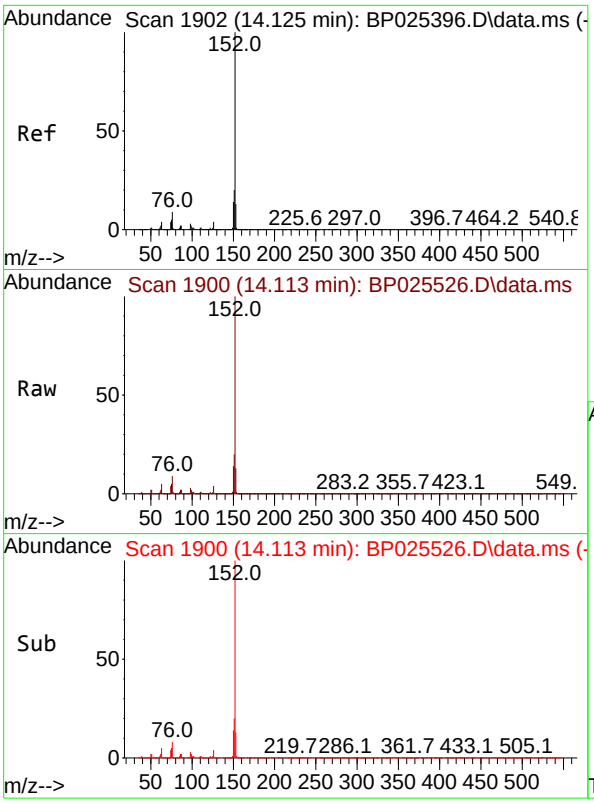


#48
2-Nitroaniline
Concen: 42.636 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion: 65 Resp: 337247

Ion	Ratio	Lower	Upper
65	100		
92	69.9	57.6	86.4
138	109.3	91.0	136.6



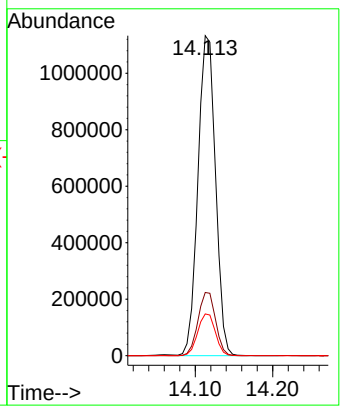


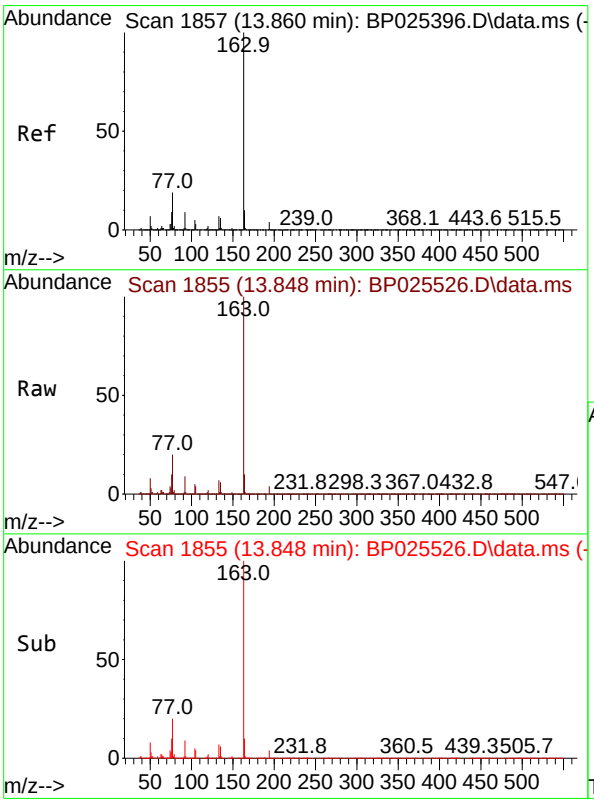
#49
Acenaphthylene
Concen: 39.644 ng
RT: 14.113 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1780779

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8

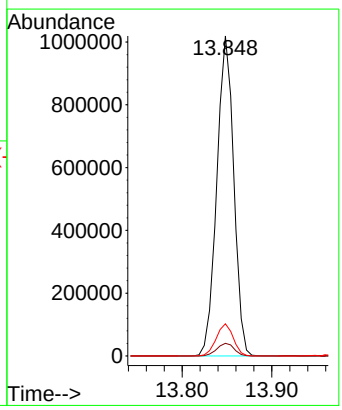


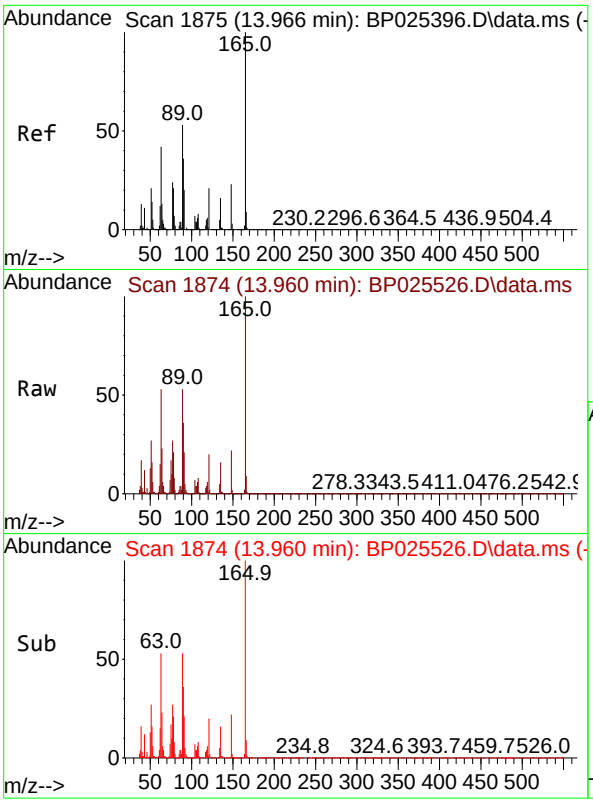


#50
Dimethylphthalate
Concen: 38.020 ng
RT: 13.848 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:163 Resp: 1336804

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.1	7.9	11.9



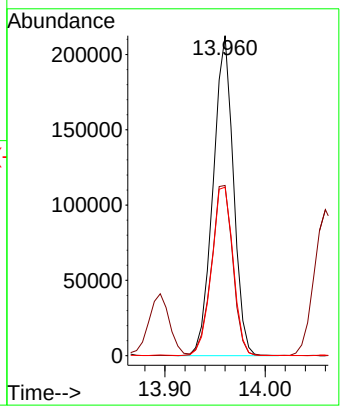


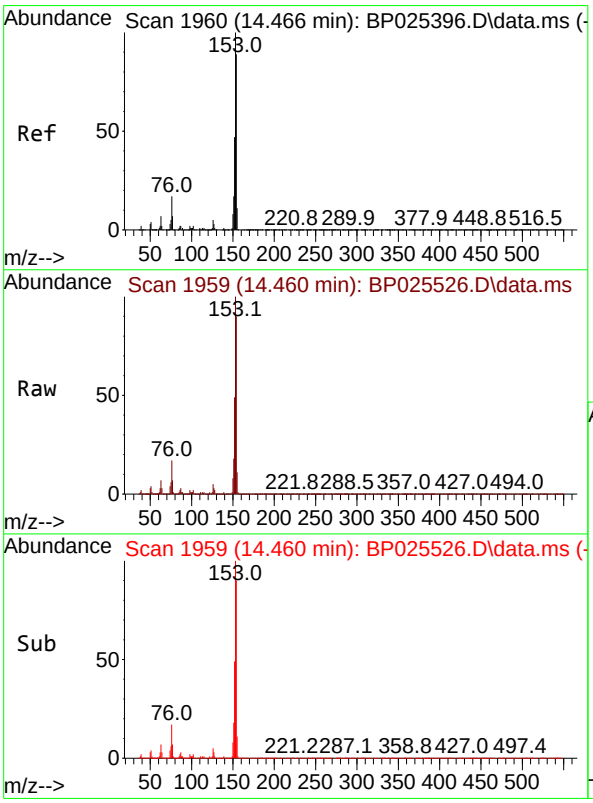
#51
2,6-Dinitrotoluene
Concen: 40.251 ng
RT: 13.960 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 298291

Ion	Ratio	Lower	Upper
165	100		
63	53.2	40.9	61.3
89	52.7	42.1	63.1

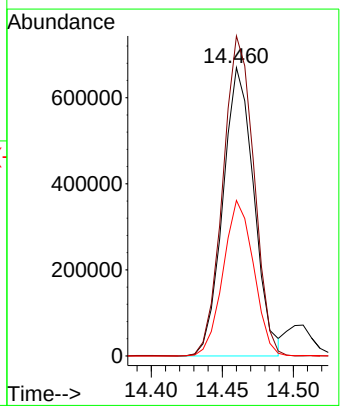


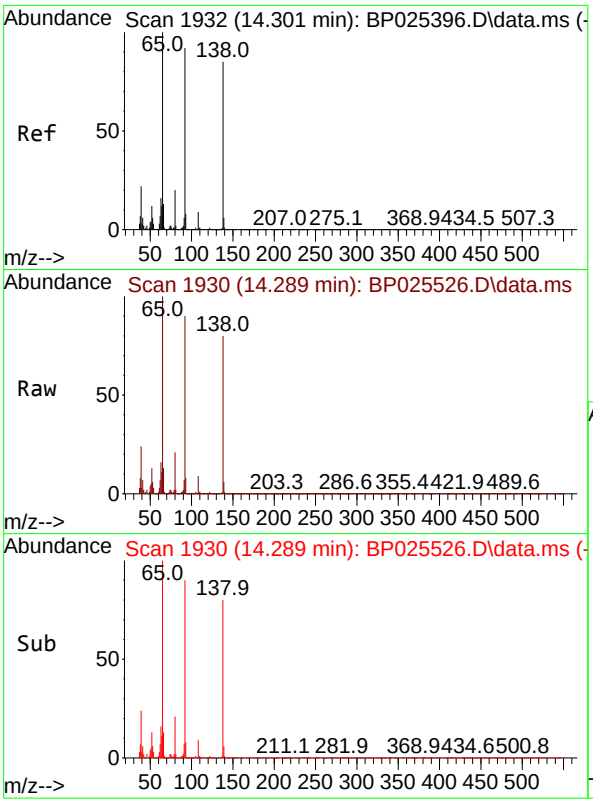


#52
Acenaphthene
Concen: 38.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:154 Resp: 1016517

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.2	135.2
152	54.0	42.1	63.1



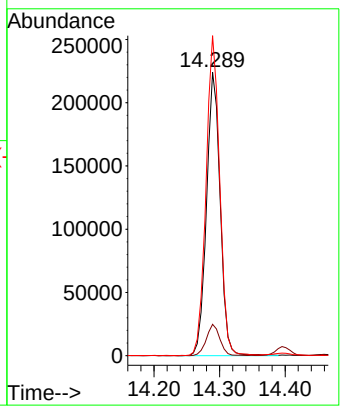


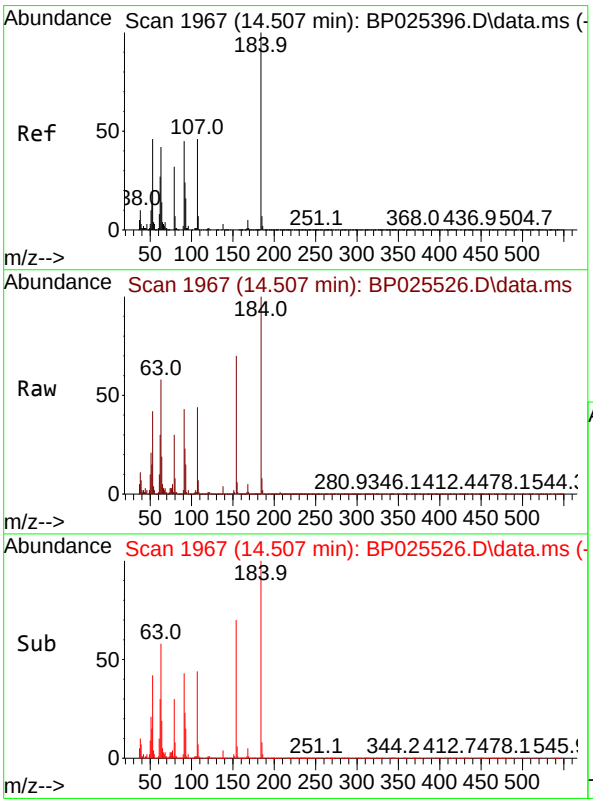
#53
3-Nitroaniline
Concen: 38.977 ng
RT: 14.289 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 324980

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	112.9	86.2	129.2

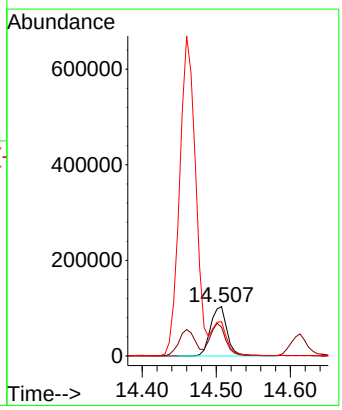


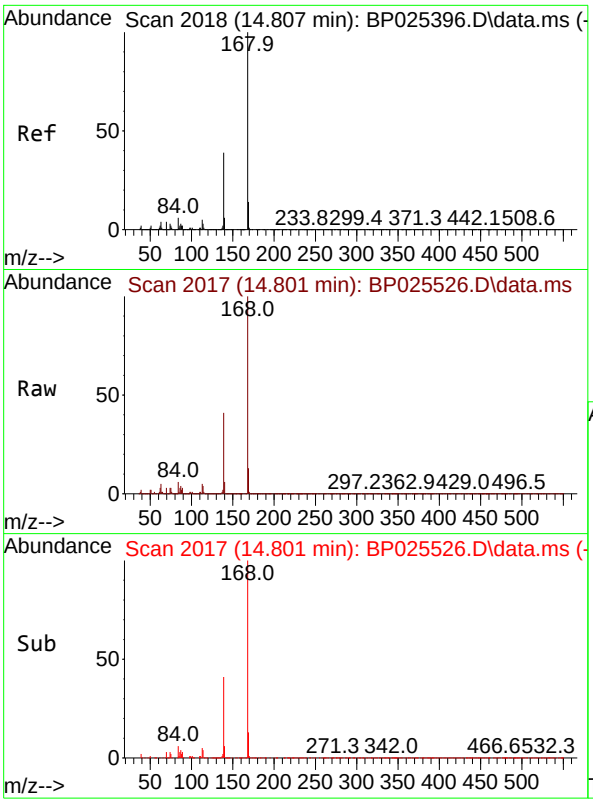


#54
2,4-Dinitrophenol
Concen: 40.644 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:184 Resp: 160853

Ion	Ratio	Lower	Upper
184	100		
63	58.4	49.4	74.2
154	69.5	54.6	82.0



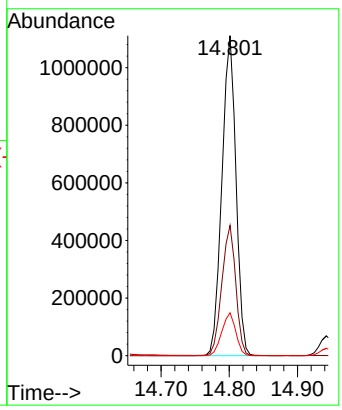


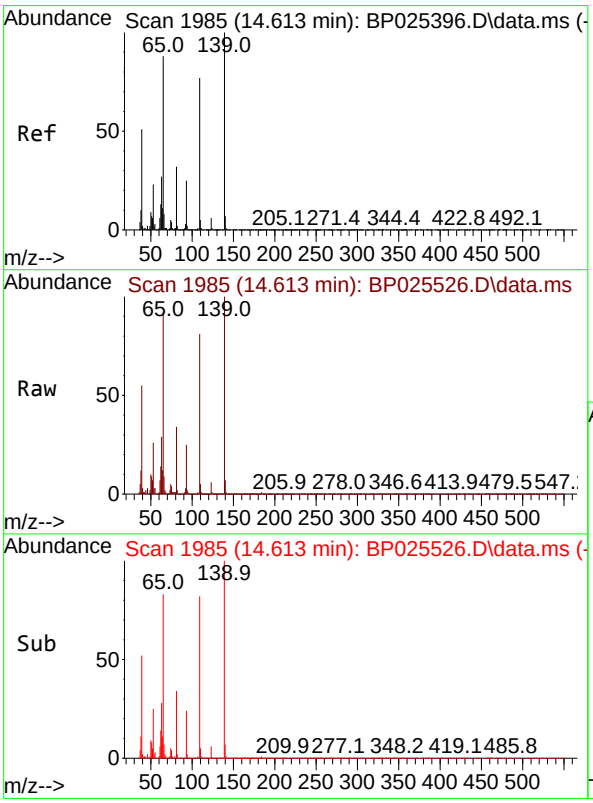
#55
Dibenzofuran
Concen: 38.235 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1593872

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.5	47.3
169	13.4	10.9	16.3

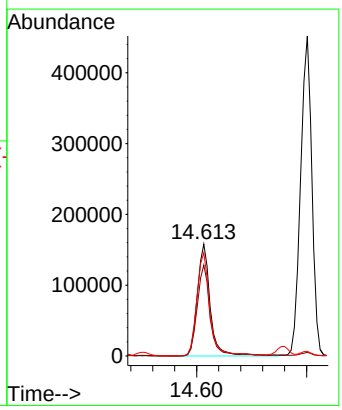


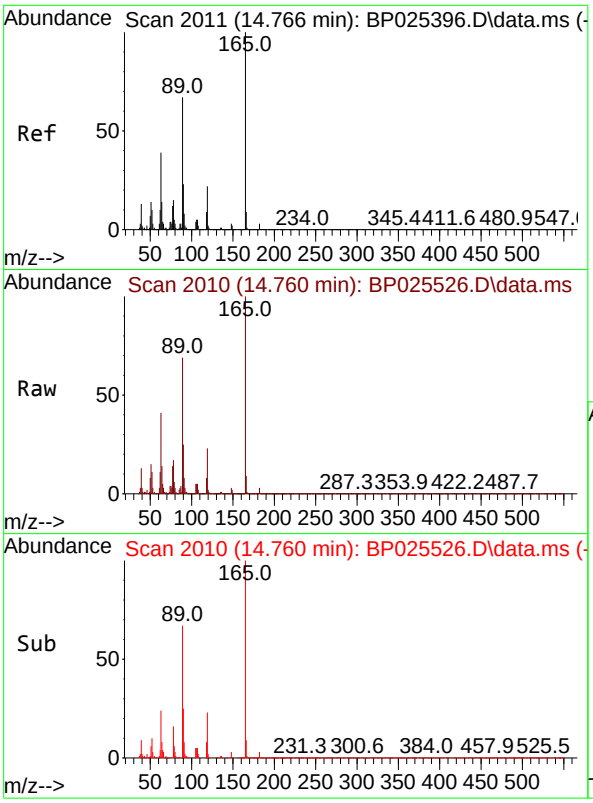


#56
4-Nitrophenol
Concen: 37.635 ng
RT: 14.613 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:139 Resp: 257855

Ion	Ratio	Lower	Upper
139	100		
109	81.2	56.6	96.6
65	92.3	68.2	108.2



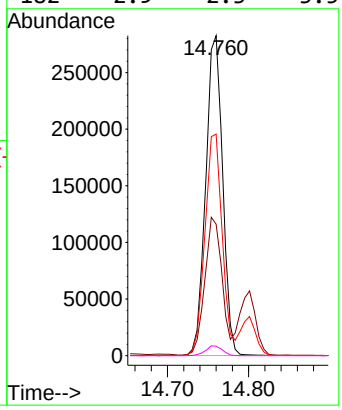


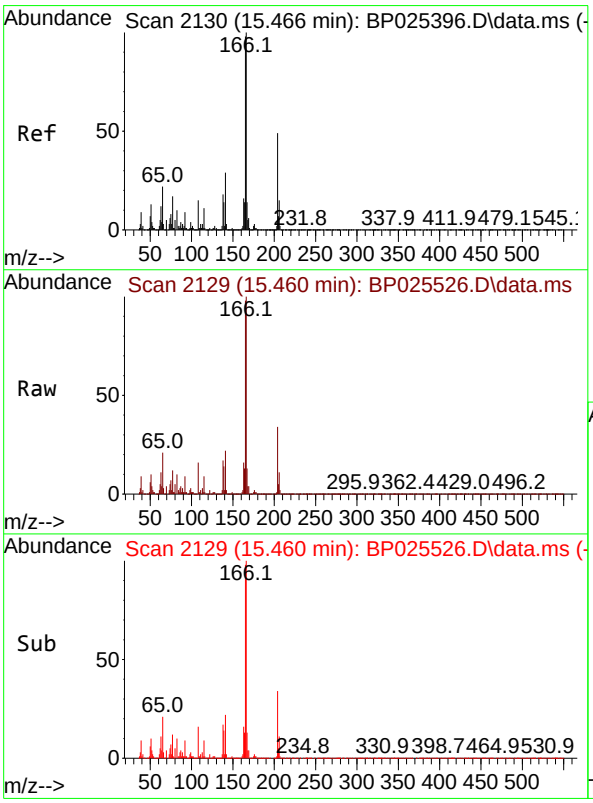
#57
2,4-Dinitrotoluene
Concen: 38.698 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 409171

Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	69.3	53.3	79.9
182	2.9	2.3	3.5

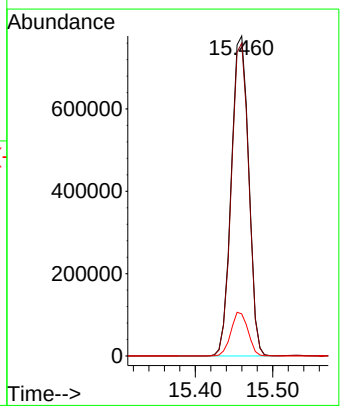


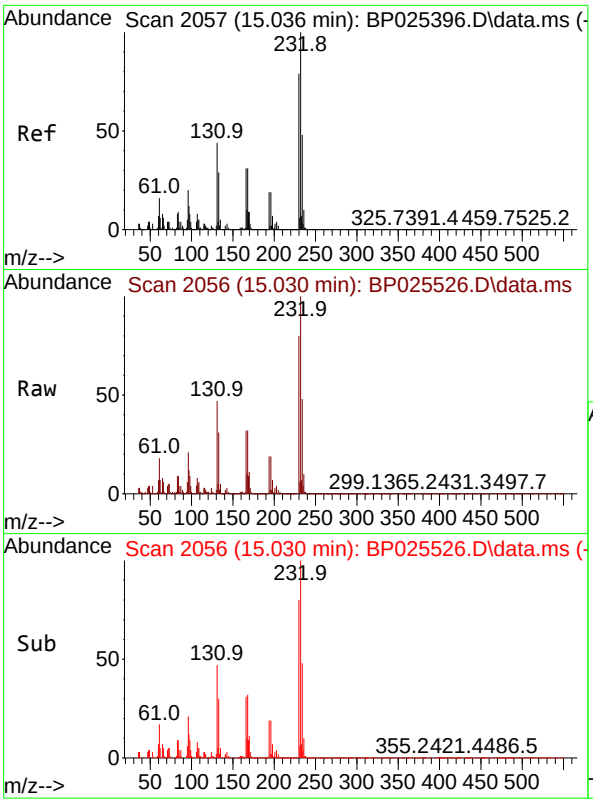


#58
Fluorene
Concen: 36.973 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:166 Resp: 1216177

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.8	118.2
167	13.1	11.0	16.4



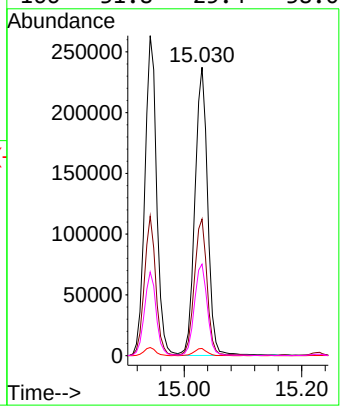


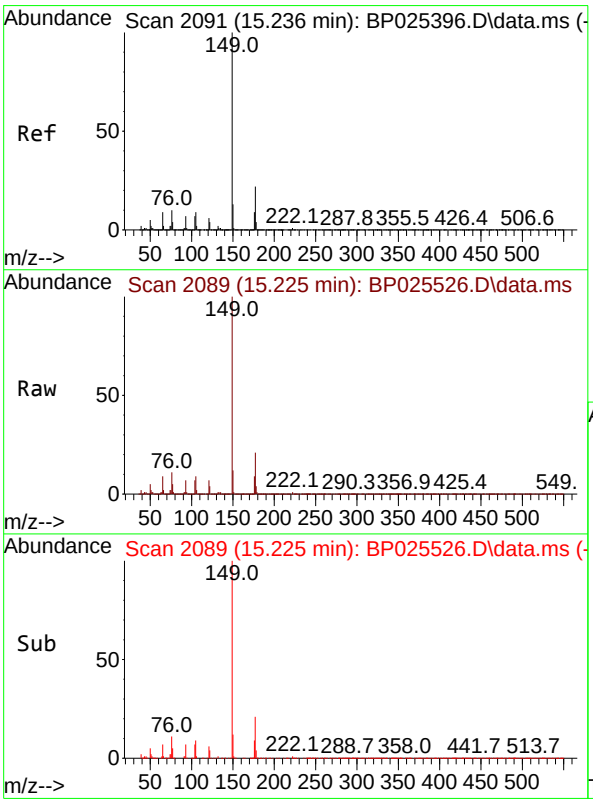
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.239 ng
RT: 15.030 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 355491

Ion	Ratio	Lower	Upper
232	100		
131	47.5	37.0	55.6
130	2.4	1.9	2.9
166	31.8	25.4	38.0

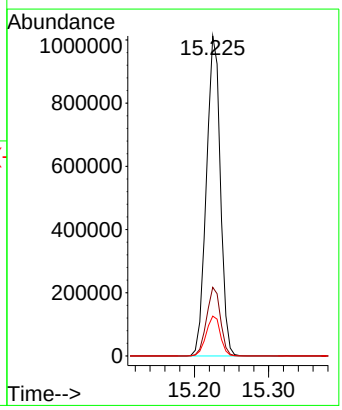


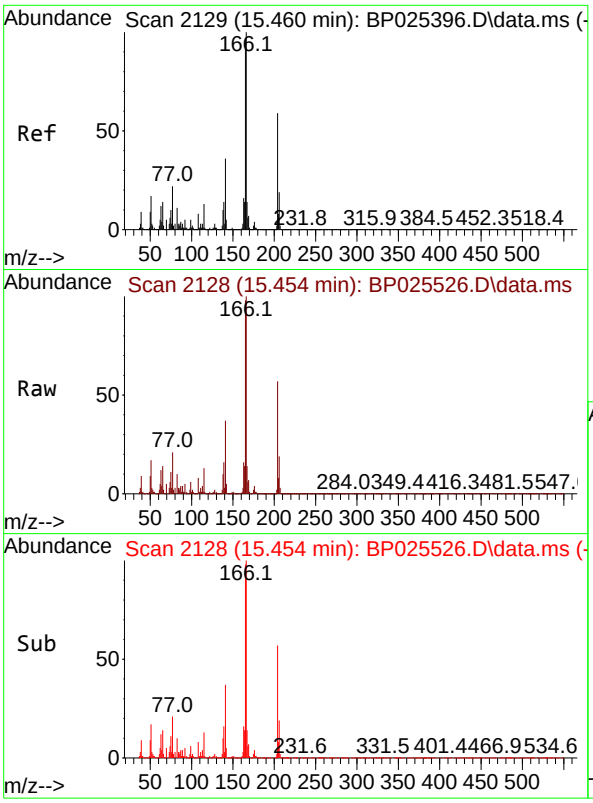


#60
Diethylphthalate
Concen: 37.056 ng
RT: 15.225 min Scan# 2089
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 1323887

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	12.5	10.3	15.5



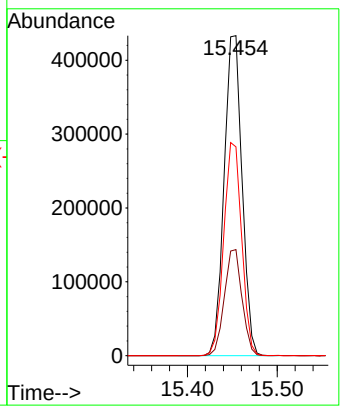


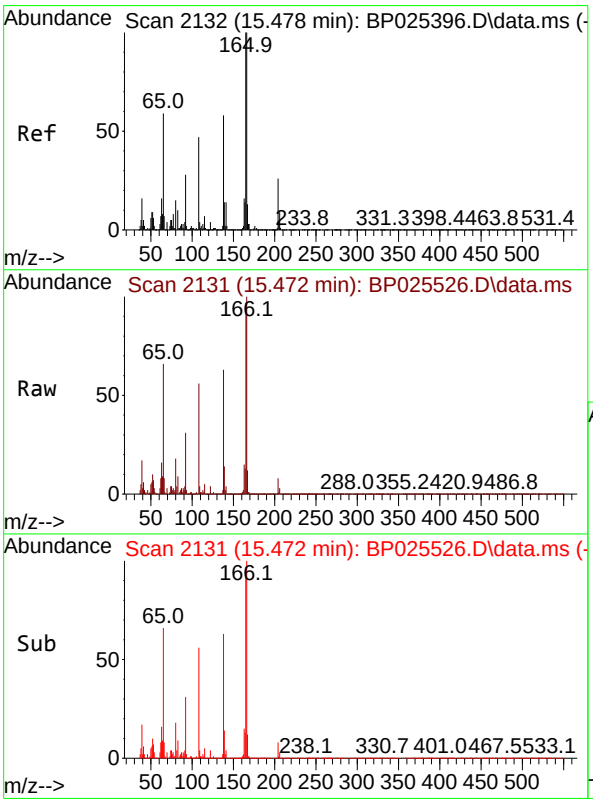
#61
4-Chlorophenyl-phenylether
Concen: 36.730 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 600871

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	65.2	49.4	74.2

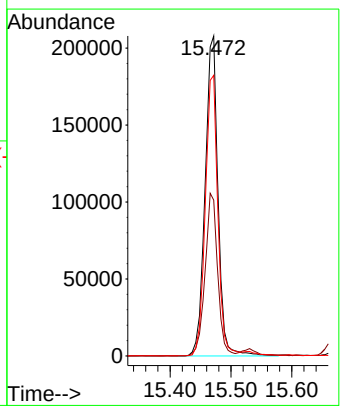


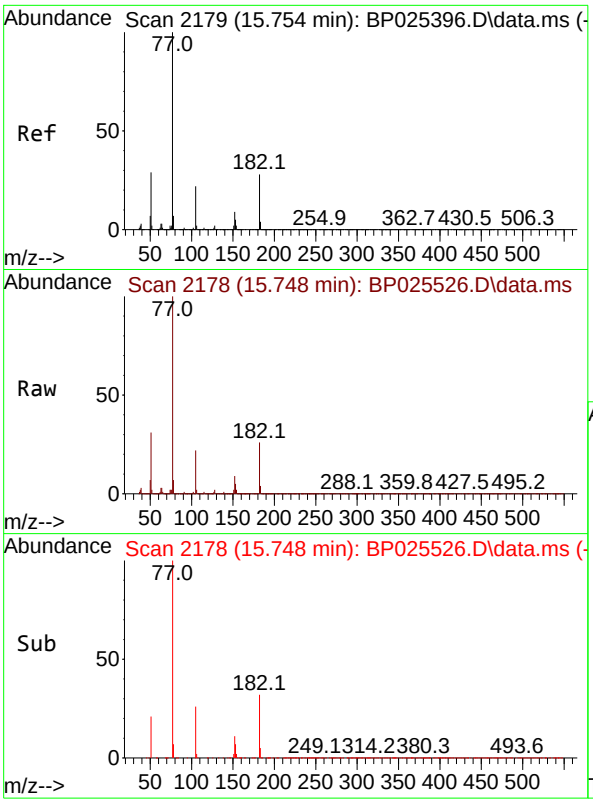


#62
4-Nitroaniline
Concen: 35.928 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:138 Resp: 307105

Ion	Ratio	Lower	Upper
138	100		
92	48.7	29.1	69.1
108	87.7	61.5	101.5



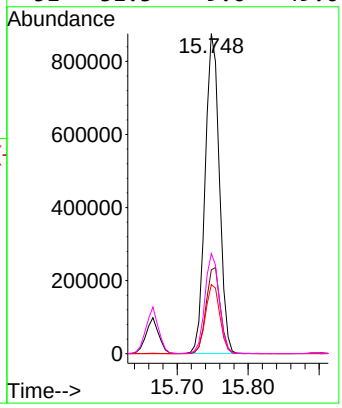


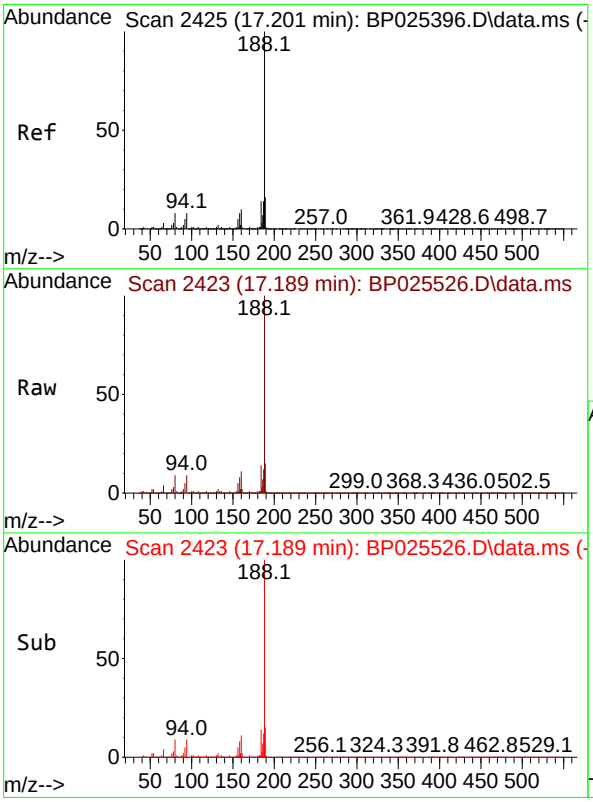
#63
Azobenzene
Concen: 39.764 ng
RT: 15.748 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1216437

Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.5	47.5
105	21.6	2.1	42.1
51	31.3	9.6	49.6

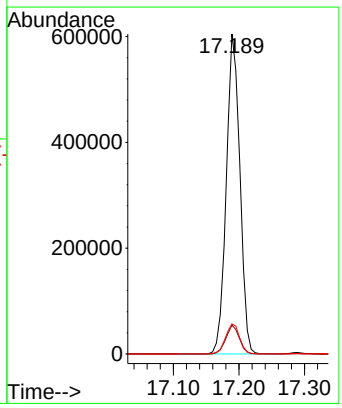


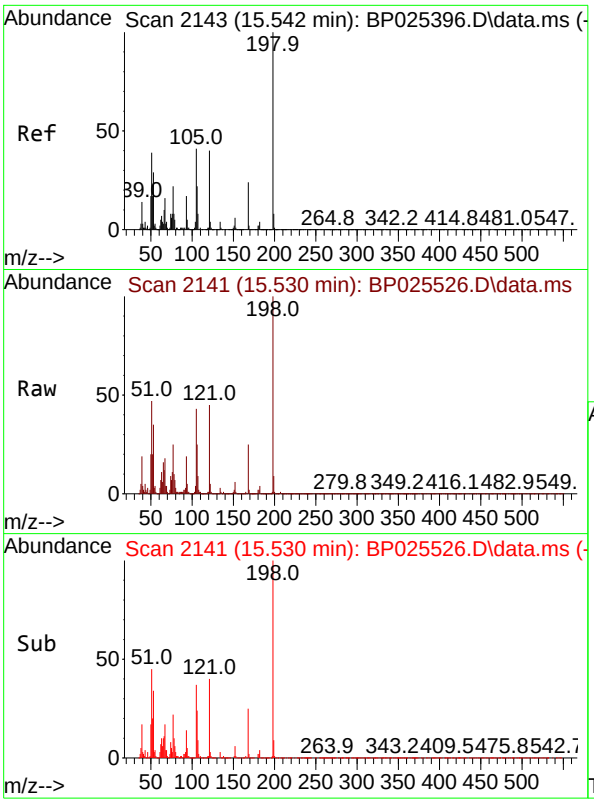


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:188 Resp: 869173

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.4	6.7	10.1



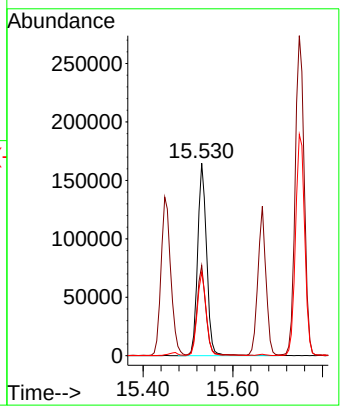


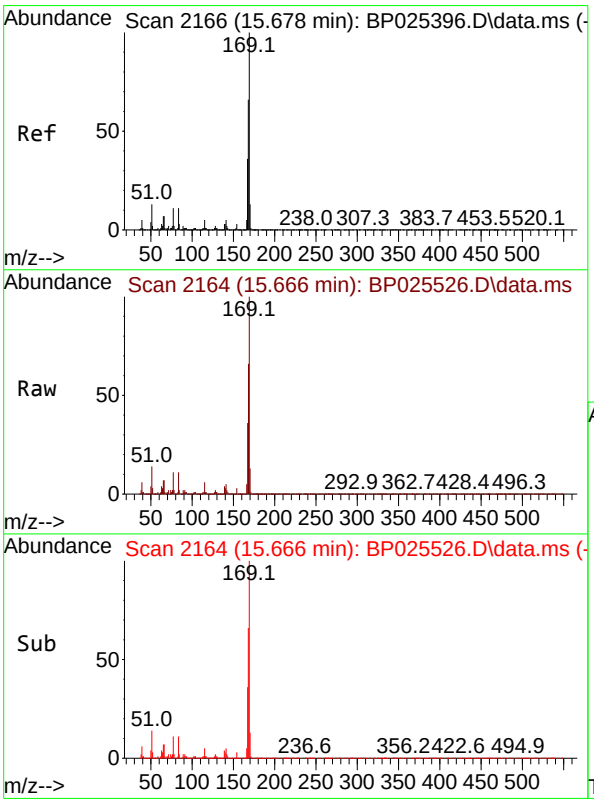
#65
4,6-Dinitro-2-methylphenol
Concen: 42.016 ng
RT: 15.530 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 227645

Ion	Ratio	Lower	Upper
198	100		
51	46.8	19.6	59.6
105	43.4	20.9	60.9

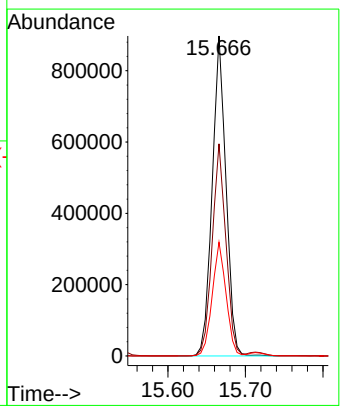


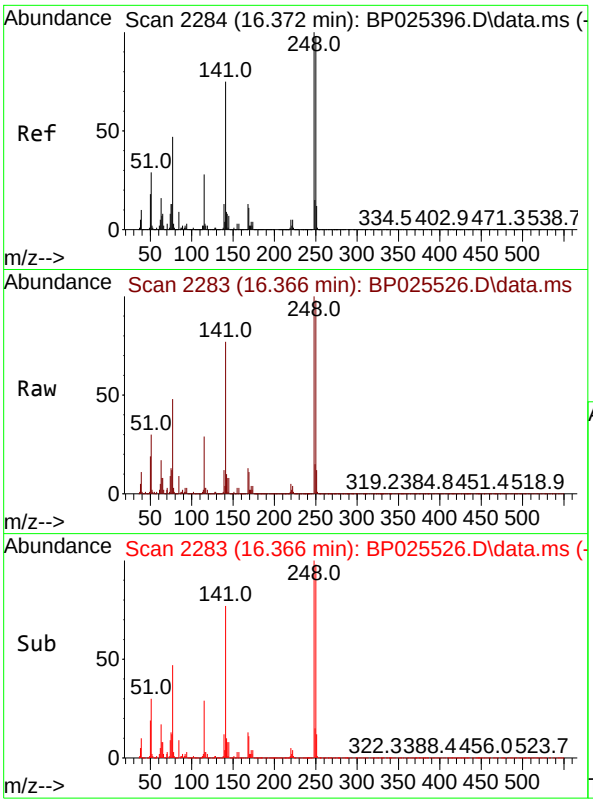


#66
n-Nitrosodiphenylamine
Concen: 41.848 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:169 Resp: 1109160

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	35.6	28.7	43.1



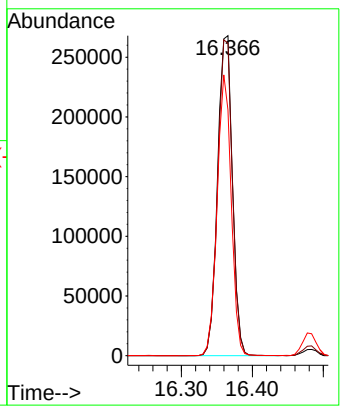


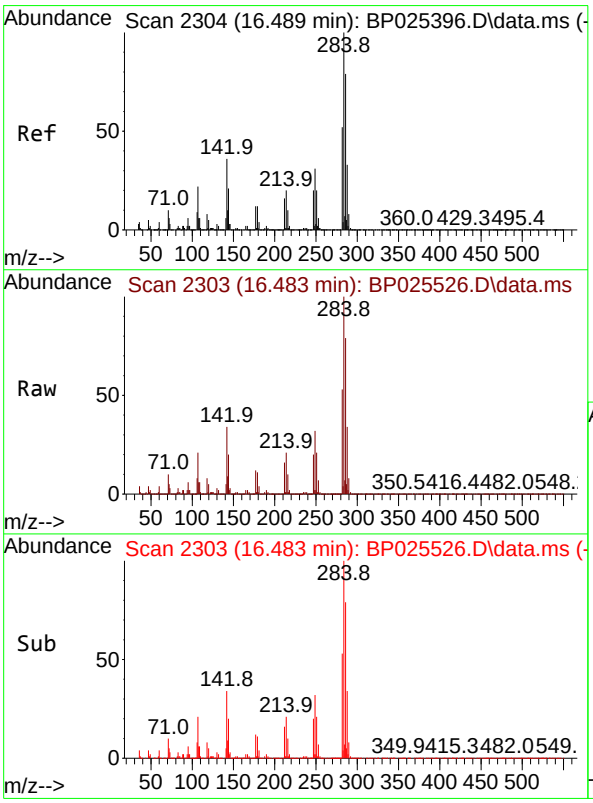
#67
4-Bromophenyl-phenylether
Concen: 40.652 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 388602

Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.2	117.2
141	76.8	59.6	89.4

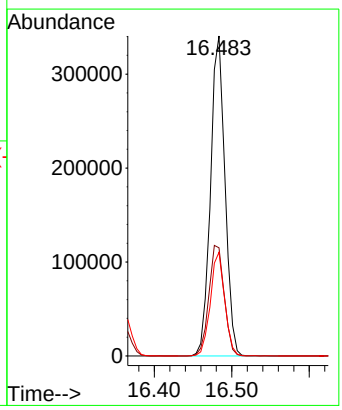


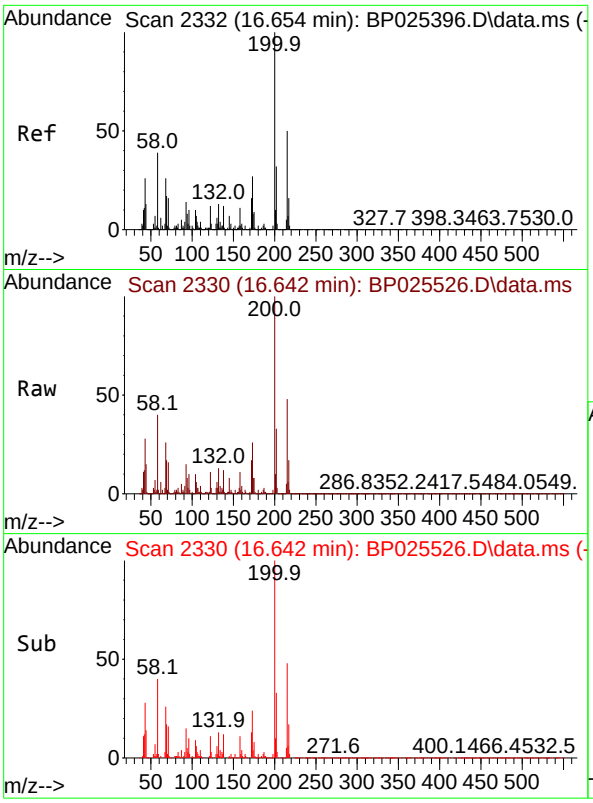


#68
Hexachlorobenzene
Concen: 39.912 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:284 Resp: 442271

Ion	Ratio	Lower	Upper
284	100		
142	33.8	29.1	43.7
249	32.4	25.0	37.4



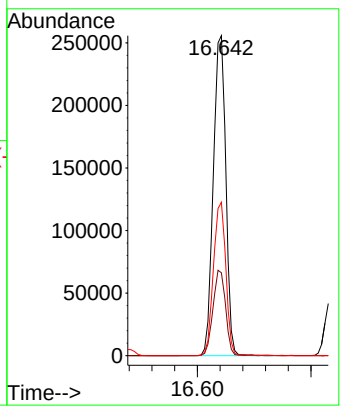


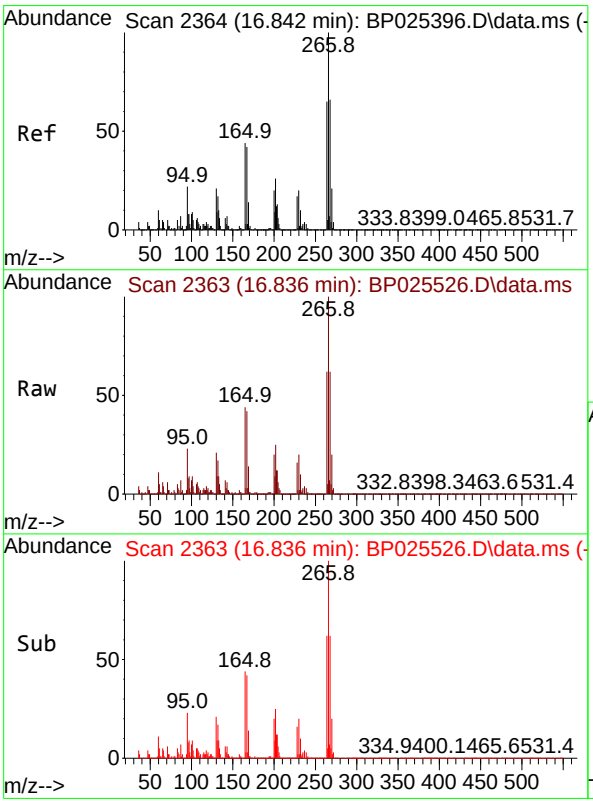
#69
Atrazine
Concen: 39.190 ng
RT: 16.642 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 388998

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.7	46.7
215	48.0	29.7	69.7

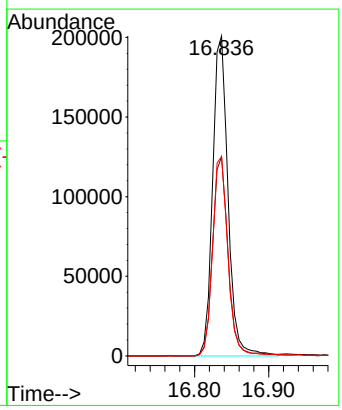


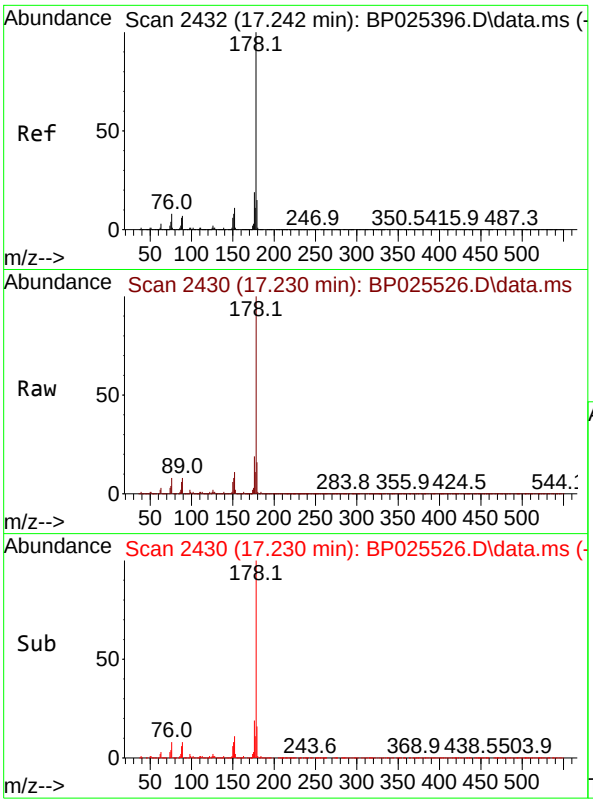


#70
Pentachlorophenol
Concen: 41.242 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:266 Resp: 288486

Ion	Ratio	Lower	Upper
266	100		
268	62.2	52.6	79.0
264	62.3	52.0	78.0



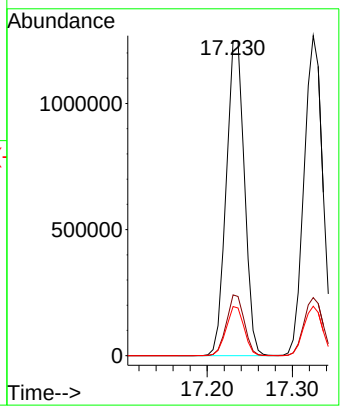


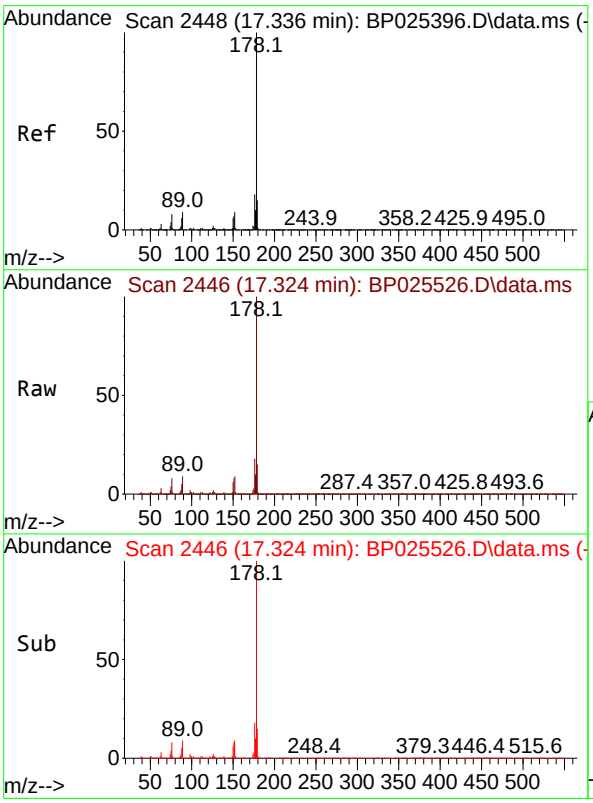
#71
Phenanthrene
Concen: 38.791 ng
RT: 17.230 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1852149

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.6	12.2	18.4

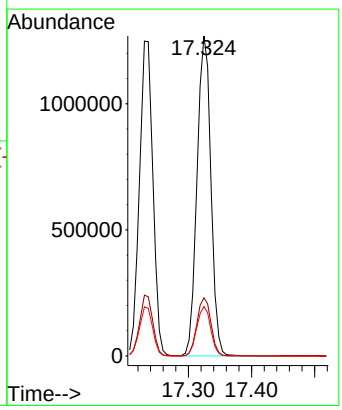


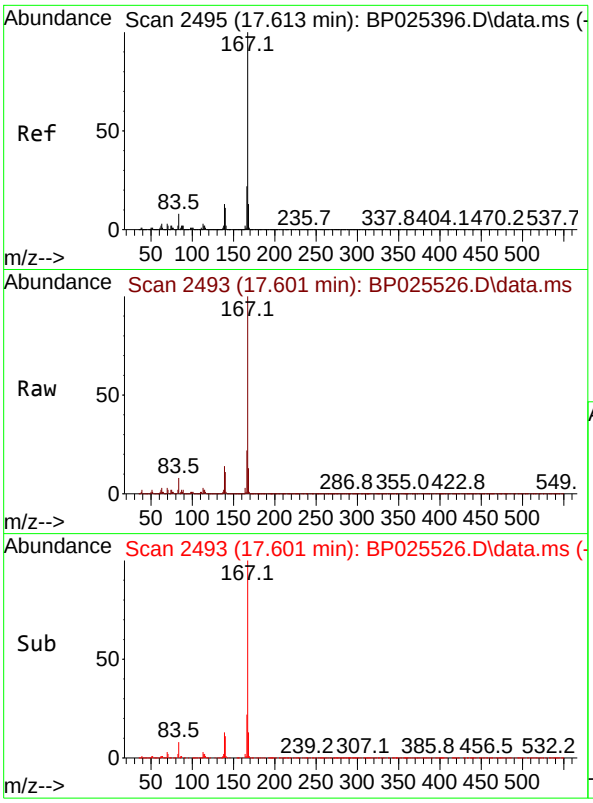


#72
Anthracene
Concen: 39.524 ng
RT: 17.324 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:178 Resp: 1927125

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.2



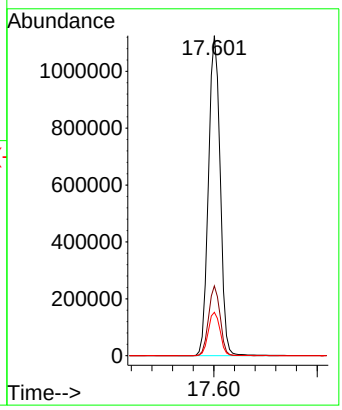


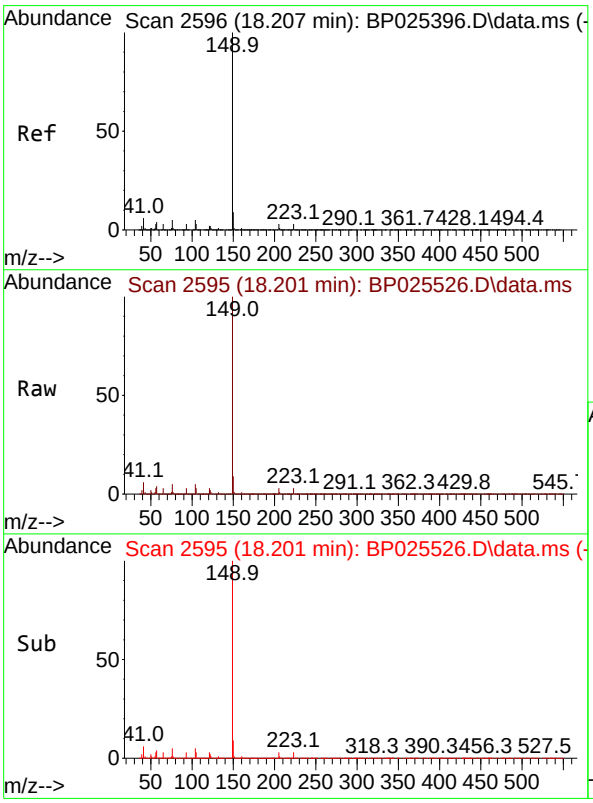
#73
Carbazole
Concen: 38.481 ng
RT: 17.601 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1767299

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.5	10.6	16.0

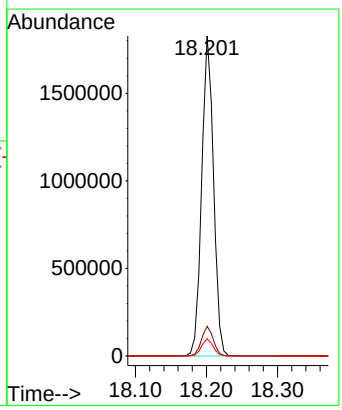


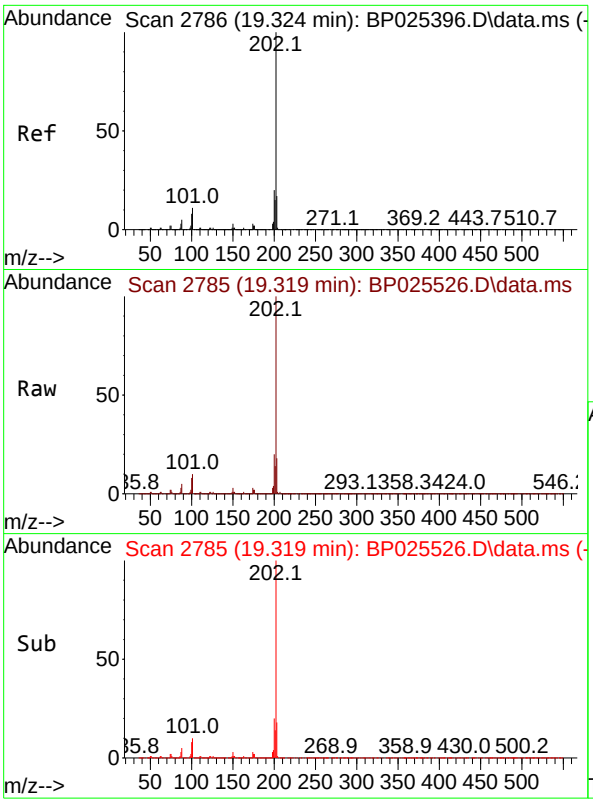


#74
Di-n-butylphthalate
Concen: 37.487 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 2118222

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.4	4.2	6.2



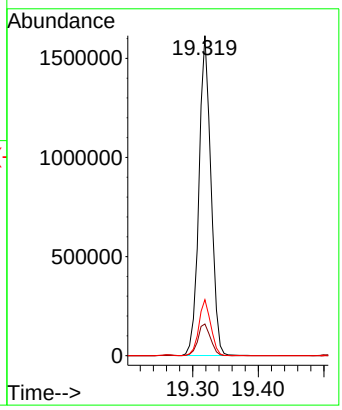


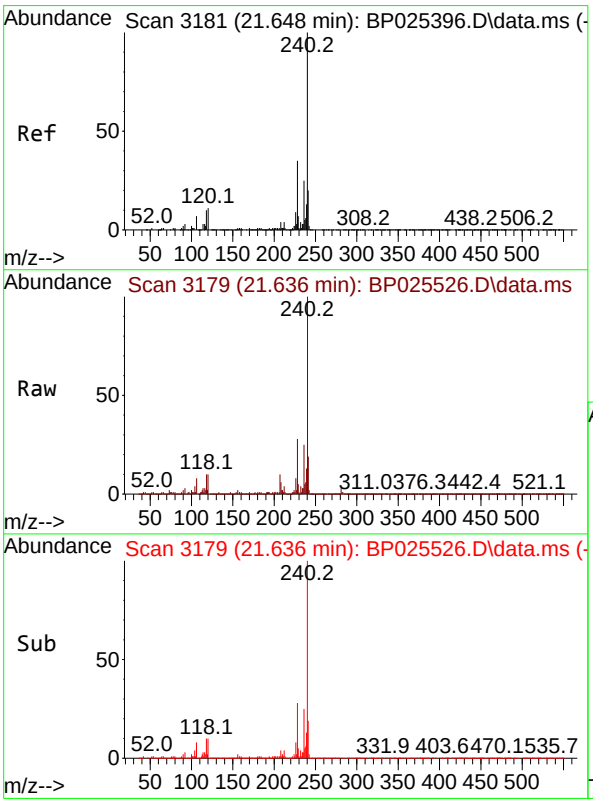
#75
Fluoranthene
Concen: 36.116 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2056945

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.5	0.0	37.3

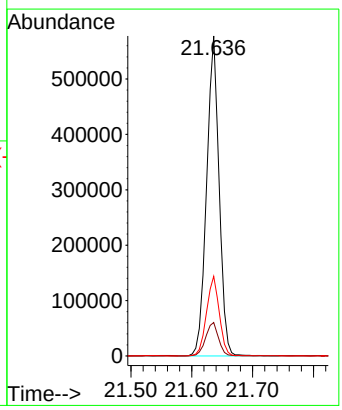


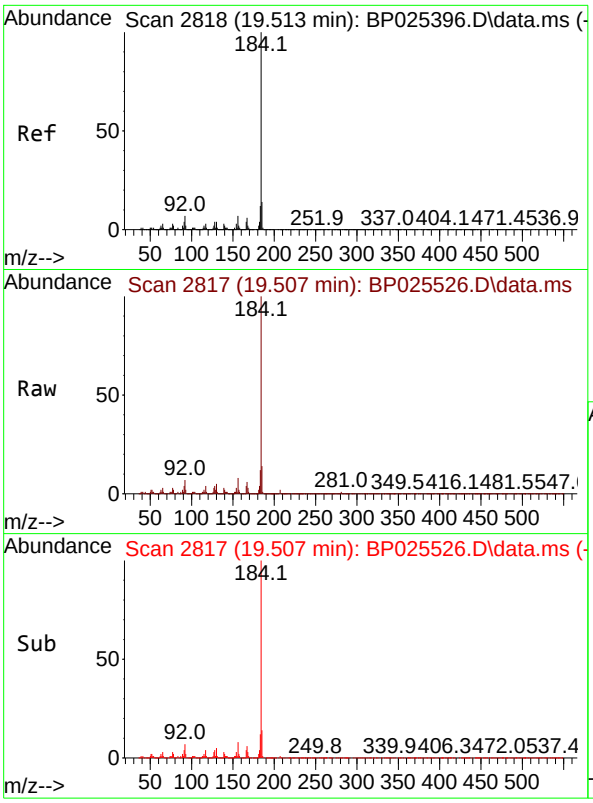


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:240 Resp: 823541

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	24.9	19.8	29.8



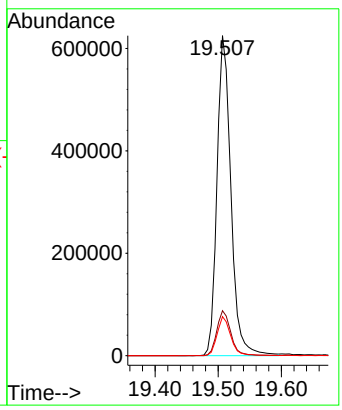


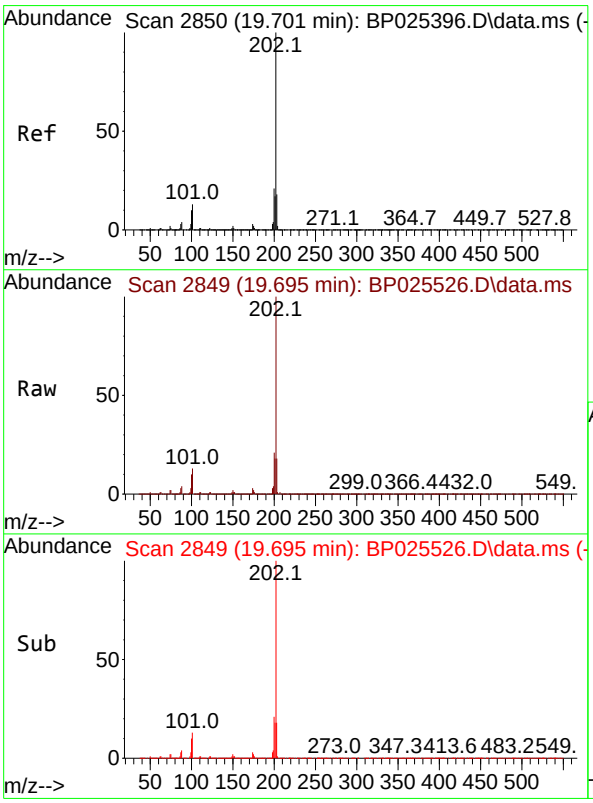
#77
Benzidine
Concen: 34.006 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 955775

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	12.2	9.4	14.2

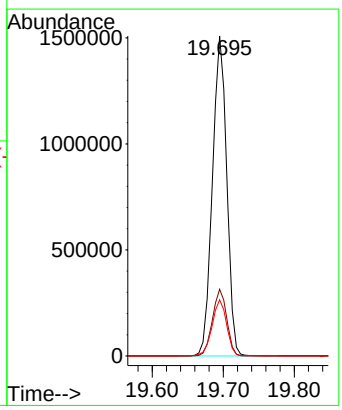


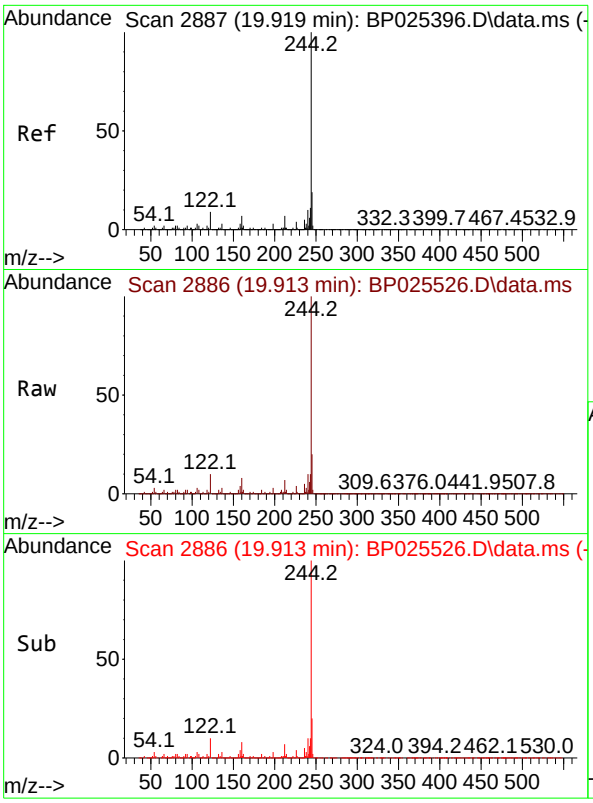


#78
Pyrene
Concen: 39.495 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:202 Resp: 2114083

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.5	14.2	21.2



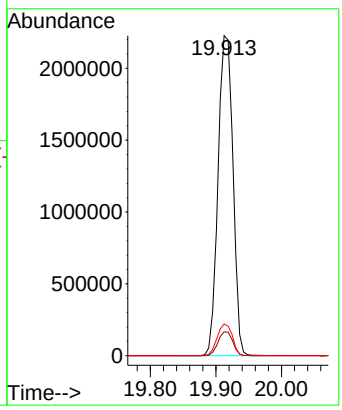


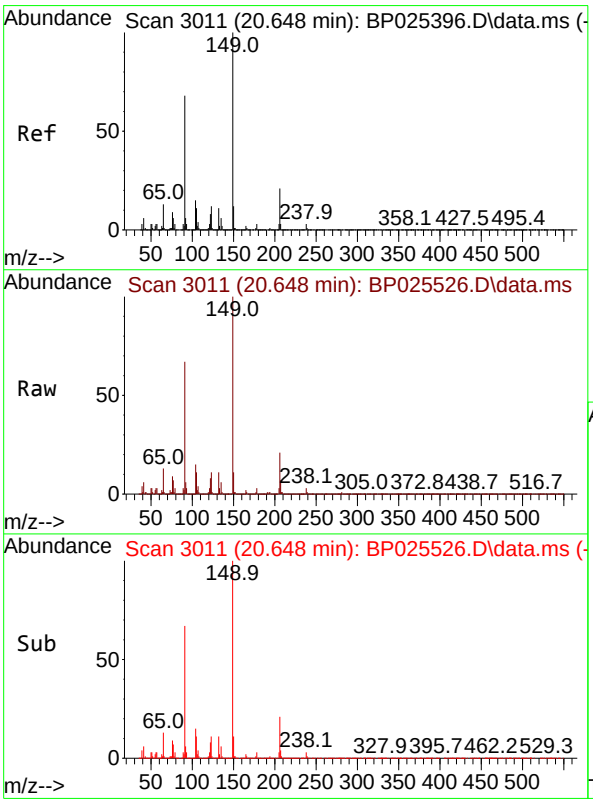
#79
Terphenyl-d14
Concen: 77.871 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3505178

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.9	7.4	11.2

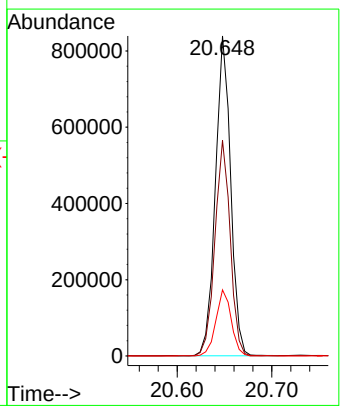


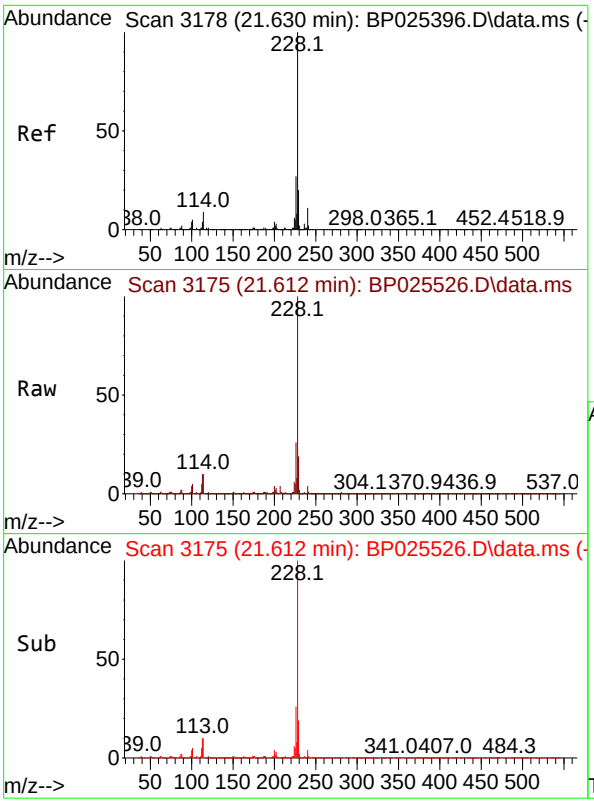


#80
Butylbenzylphthalate
Concen: 38.610 ng
RT: 20.648 min Scan# 3011
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 936663

Ion	Ratio	Lower	Upper
149	100		
91	67.3	54.2	81.2
206	20.7	16.6	24.8



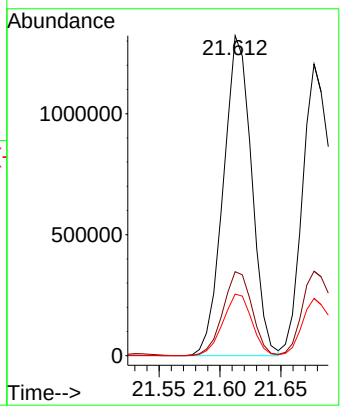


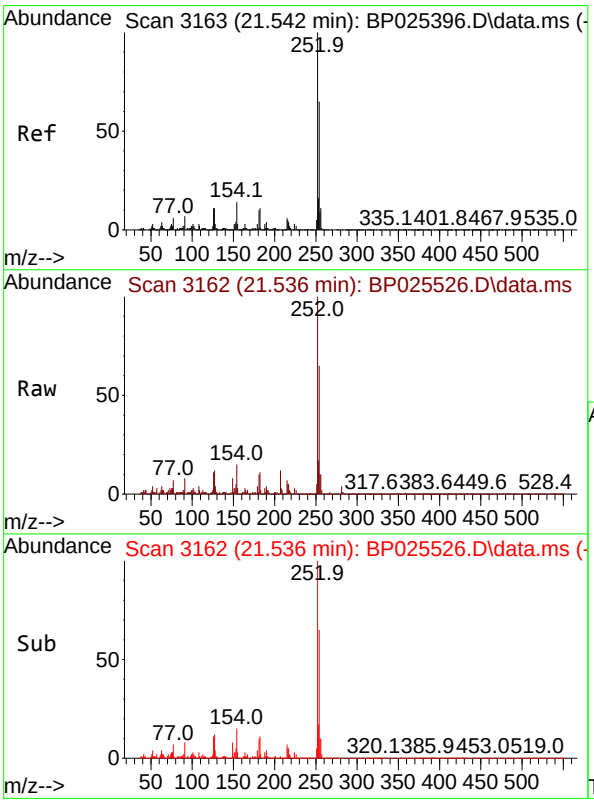
#81
Benzo(a)anthracene
Concen: 39.296 ng
RT: 21.612 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2134261

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	19.3	15.6	23.4

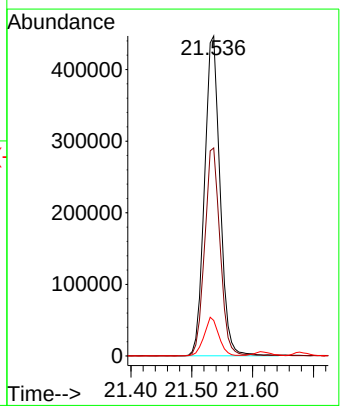


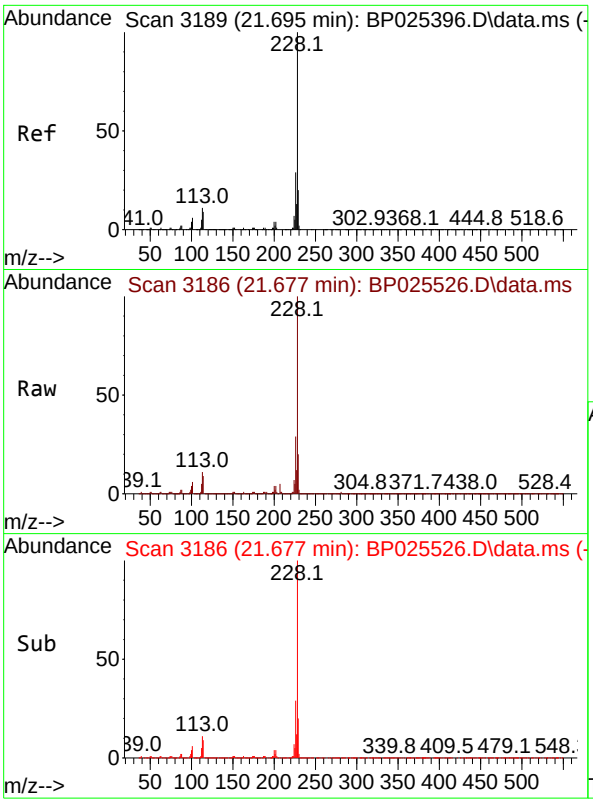


#82
3,3'-Dichlorobenzidine
Concen: 38.576 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 789715

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	11.1	9.1	13.7



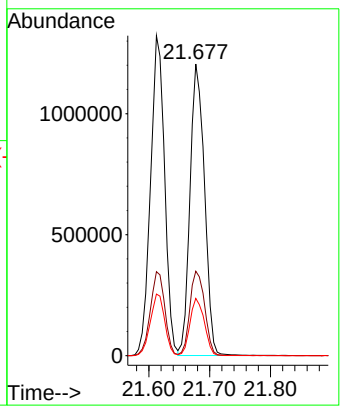


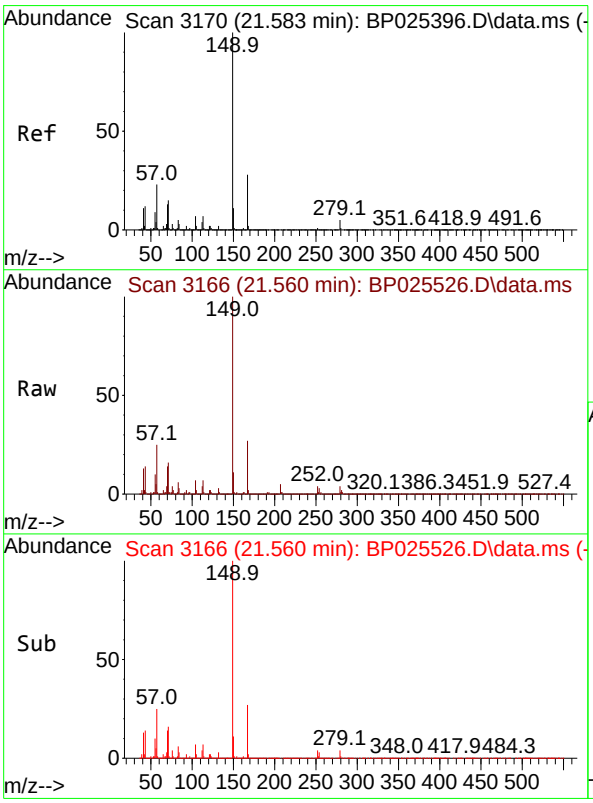
#83
Chrysene
Concen: 39.179 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1992794

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.7	15.6	23.4

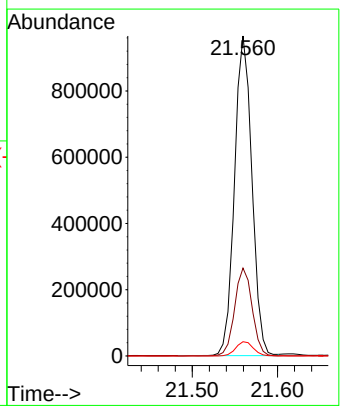


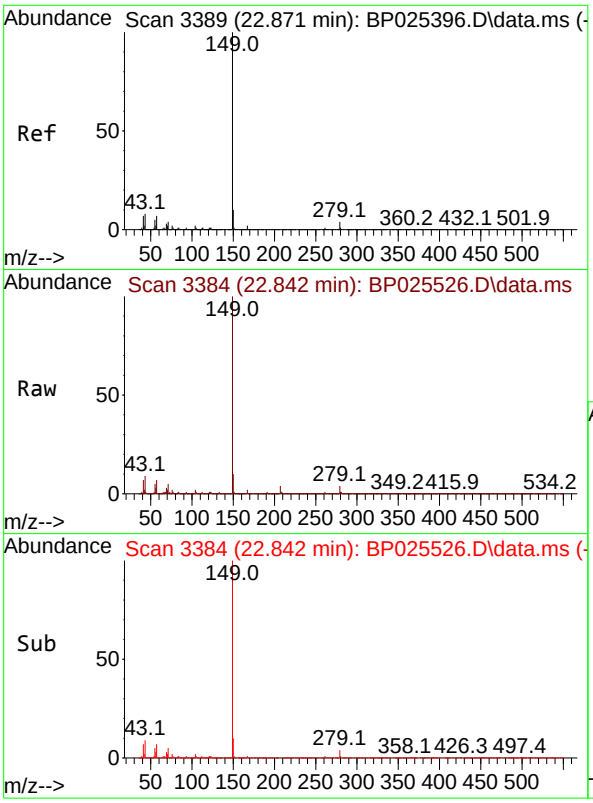


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.334 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:149 Resp: 1368948

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.5	3.8	5.6



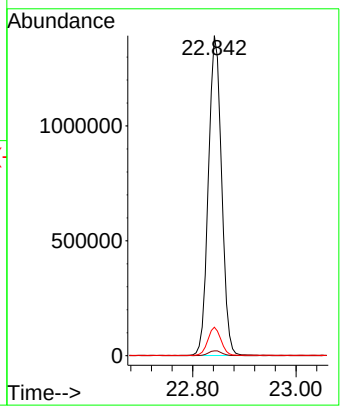


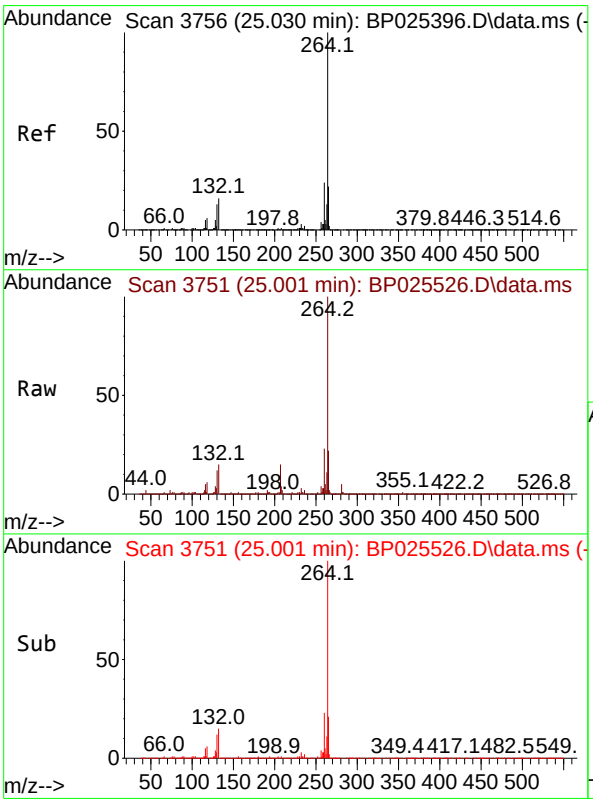
#85
Di-n-octyl phthalate
Concen: 40.160 ng
RT: 22.842 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2466831

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.3	9.5

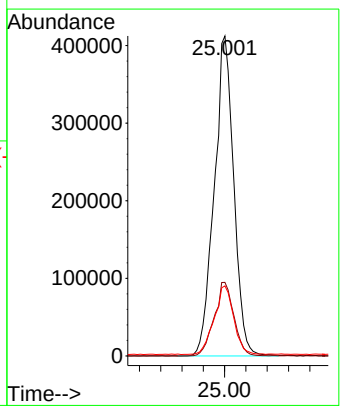


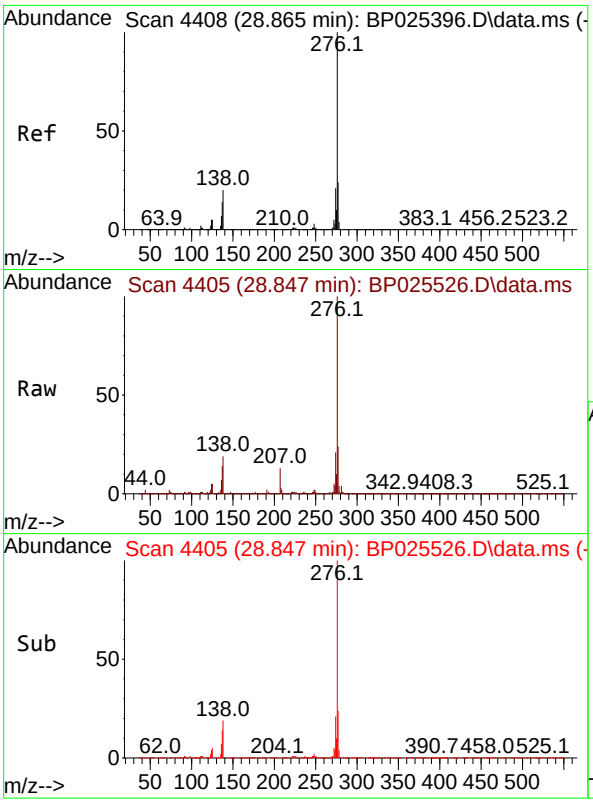


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:264 Resp: 1048104

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	21.9	17.4	26.0



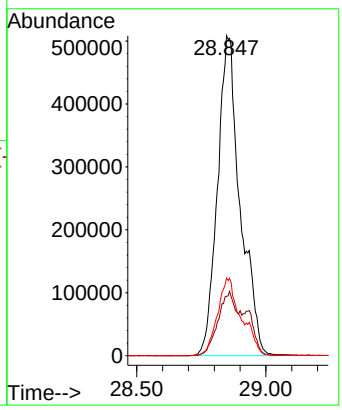


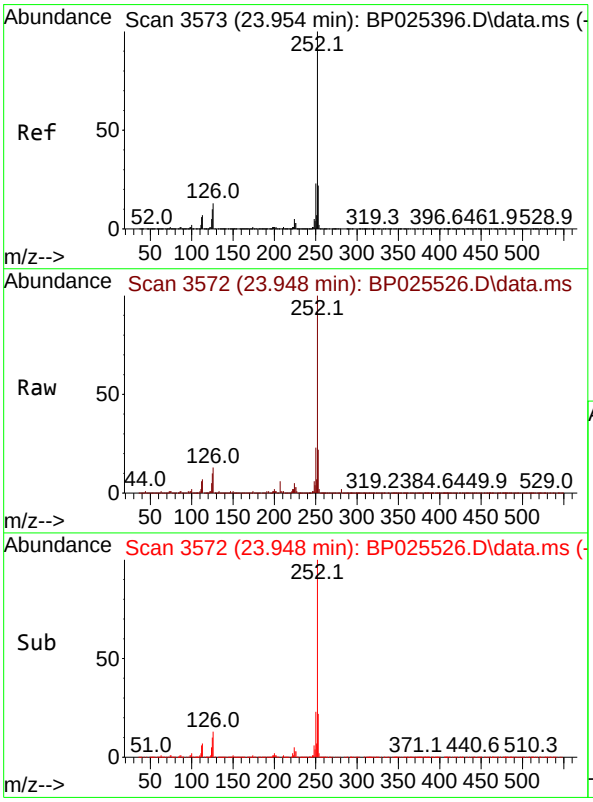
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.446 ng
RT: 28.847 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 3108816

Ion	Ratio	Lower	Upper
276	100		
138	17.4	12.9	19.3
277	21.5	17.0	25.6

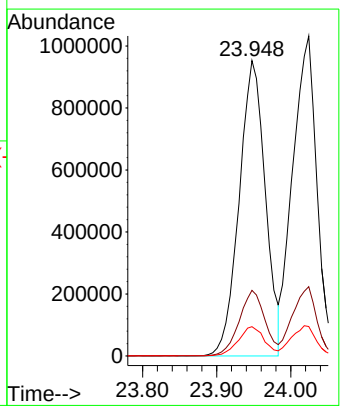


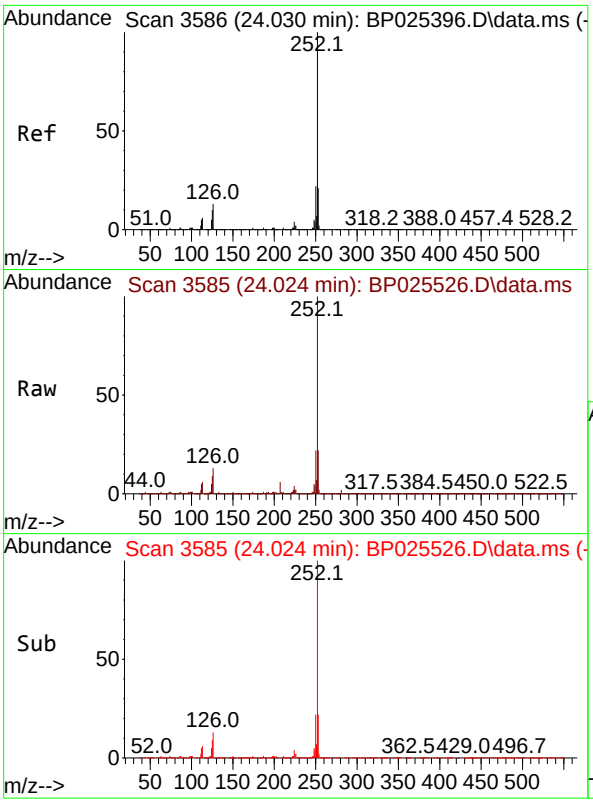


#88
Benzo(b)fluoranthene
Concen: 37.901 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 2342446

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.9	7.9	11.9



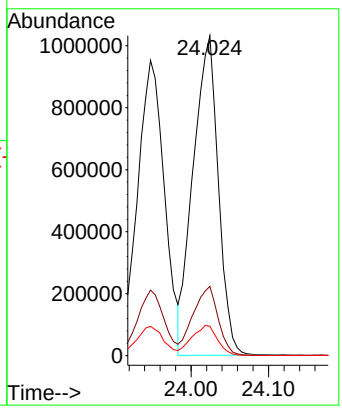


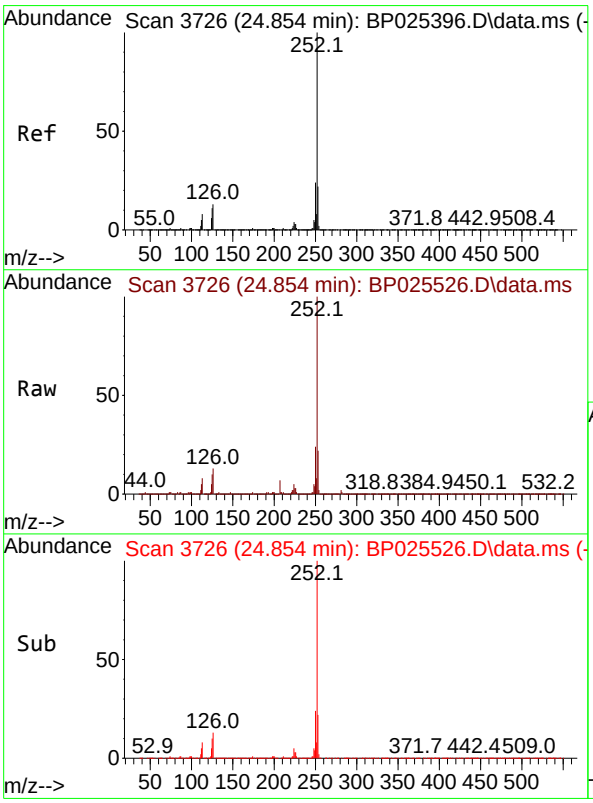
#89
Benzo(k)fluoranthene
Concen: 37.602 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2325553

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.2	7.8	11.6

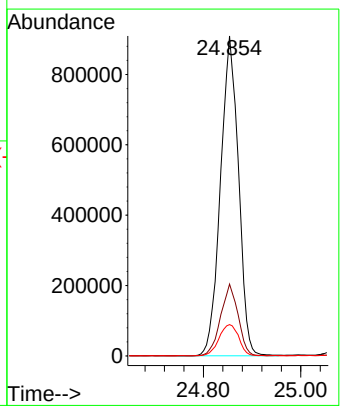


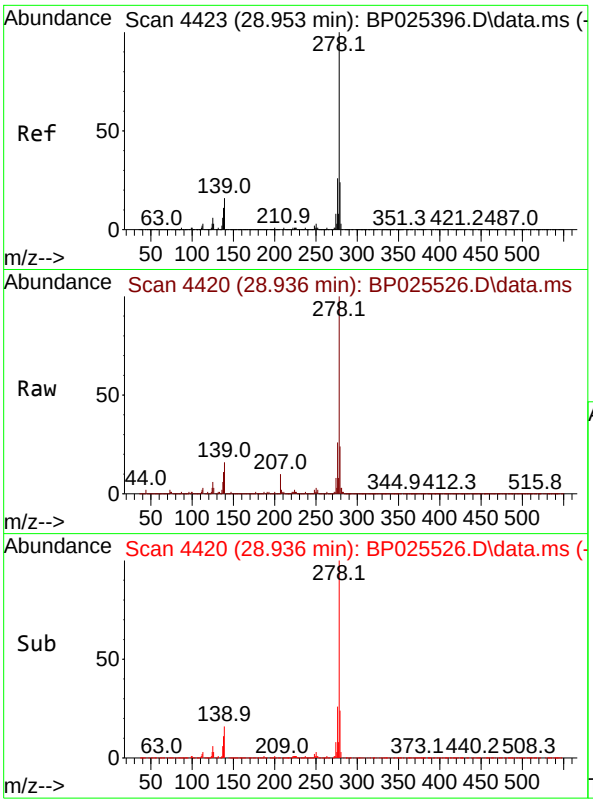


#90
Benzo(a)pyrene
Concen: 38.843 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:252 Resp: 2336844

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.8	8.7	13.1



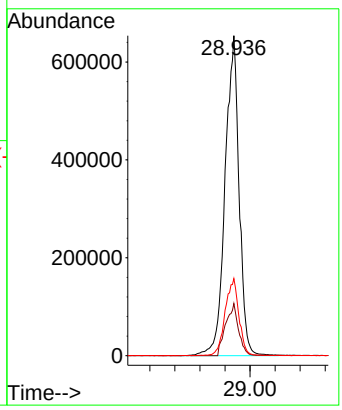


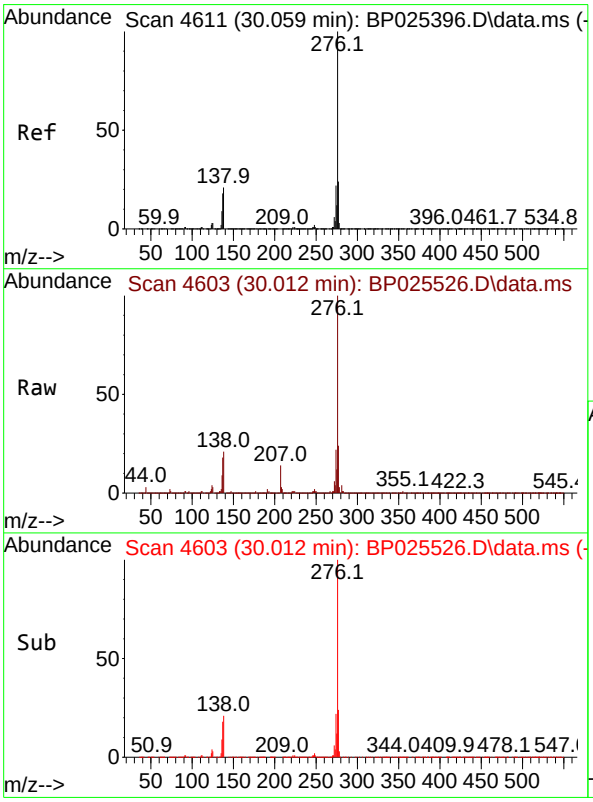
#91
Dibenzo(a,h)anthracene
Concen: 40.400 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2537691

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.0	19.4
279	24.1	19.4	29.2

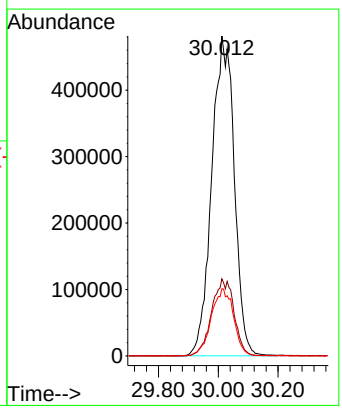




#92
Benzo(g,h,i)perylene
Concen: 40.739 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025526.D
Acq: 21 Aug 2025 03:59

Tgt Ion:276 Resp: 2515443

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	21.0	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	-0.01
2		1,4-Dioxane	0.472	0.469	0.6	128	0.00
3		Pyridine	1.291	1.257	2.6	125	0.00
4		n-Nitrosodimethylamine	0.532	0.585	-10.0	139	0.00
5	S	2-Fluorophenol	1.204	1.216	-1.0	127	0.00
6		Aniline	2.080	2.061	0.9	124	0.00
7	S	Phenol-d6	1.544	1.547	-0.2	124	0.00
8		2-Chlorophenol	1.359	1.350	0.7	125	0.00
9		Benzaldehyde	1.082	1.290	-19.2	115	0.00
10	C	Phenol	1.620	1.613	0.4	125	0.00
11		bis(2-Chloroethyl)ether	1.263	1.261	0.2	126	0.00
12		1,3-Dichlorobenzene	1.499	1.485	0.9	125	0.00
13	C	1,4-Dichlorobenzene	1.532	1.500	2.1	124	-0.01
14		1,2-Dichlorobenzene	1.483	1.433	3.4	122	0.00
15		Benzyl Alcohol	1.227	1.227	0.0	125	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.733	-2.4	130	0.00
17		2-Methylphenol	1.125	1.122	0.3	123	0.00
18		Hexachloroethane	0.563	0.559	0.7	125	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.976	4.6	120	0.00
20		3+4-Methylphenols	1.560	1.505	3.5	120	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	117	0.00
22		Acetophenone	0.502	0.499	0.6	121	0.00
23	S	Nitrobenzene-d5	0.395	0.409	-3.5	125	0.00
24		Nitrobenzene	0.353	0.366	-3.7	125	0.00
25		Isophorone	0.700	0.680	2.9	118	0.00
26	C	2-Nitrophenol	0.181	0.186	-2.8	121	0.00
27		2,4-Dimethylphenol	0.312	0.314	-0.6	119	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.410	3.1	118	-0.01
29	C	2,4-Dichlorophenol	0.310	0.310	0.0	119	0.00
30		1,2,4-Trichlorobenzene	0.340	0.332	2.4	119	0.00
31		Naphthalene	1.040	1.009	3.0	118	-0.01
32		Benzoic acid	0.230	0.231	-0.4	119	0.01
33		4-Chloroaniline	0.459	0.448	2.4	116	0.00
34	C	Hexachlorobutadiene	0.211	0.207	1.9	118	-0.01
35		Caprolactam	0.114	0.101	11.4	108	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.344	3.1	116	0.00
37		2-Methylnaphthalene	0.676	0.643	4.9	116	-0.01
38		1-Methylnaphthalene	0.719	0.671	6.7	115	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.578	0.581	-0.5	113	-0.01
41	P	Hexachlorocyclopentadiene	0.349	0.363	-4.0	114	-0.01
42	S	2,4,6-Tribromophenol	0.269	0.252	6.3	104	-0.02
43	C	2,4,6-Trichlorophenol	0.390	0.402	-3.1	114	0.00
44		2,4,5-Trichlorophenol	0.427	0.434	-1.6	111	0.00
45	S	2-Fluorobiphenyl	1.463	1.441	1.5	113	-0.01
46		1,1'-Biphenyl	1.453	1.452	0.1	112	-0.01
47		2-Chloronaphthalene	1.131	1.136	-0.4	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.351	-6.7	116	0.00
49		Acenaphthylene	1.871	1.854	0.9	112	-0.01
50		Dimethylphthalate	1.465	1.392	5.0	108	-0.01
51		2,6-Dinitrotoluene	0.309	0.311	-0.6	109	0.00
52	C	Acenaphthene	1.098	1.059	3.6	111	0.00
53		3-Nitroaniline	0.347	0.338	2.6	108	-0.01
54	P	2,4-Dinitrophenol	0.165	0.168	-1.8	112	0.00
55		Dibenzofuran	1.736	1.660	4.4	108	0.00
56	P	4-Nitrophenol	0.285	0.269	5.6	105	0.00
57		2,4-Dinitrotoluene	0.440	0.426	3.2	106	0.00
58		Fluorene	1.370	1.266	7.6	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.370	1.9	110	0.00
60		Diethylphthalate	1.488	1.379	7.3	105	-0.01
61		4-Chlorophenyl-phenylether	0.681	0.626	8.1	105	0.00
62		4-Nitroaniline	0.356	0.320	10.1	99	0.00
63		Azobenzene	1.274	1.267	0.5	111	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	-0.01
65		4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	105	-0.01
66	c	n-Nitrosodiphenylamine	0.610	0.638	-4.6	106	-0.01
67		4-Bromophenyl-phenylether	0.220	0.224	-1.8	103	0.00
68		Hexachlorobenzene	0.255	0.254	0.4	103	0.00
69		Atrazine	0.228	0.224	1.8	101	-0.01
70	C	Pentachlorophenol	0.161	0.166	-3.1	104	0.00
71		Phenanthrene	1.099	1.065	3.1	101	-0.01
72		Anthracene	1.122	1.109	1.2	101	-0.01
73		Carbazole	1.057	1.017	3.8	99	-0.01
74		Di-n-butylphthalate	1.300	1.219	6.2	96	0.00
75	C	Fluoranthene	1.311	1.183	9.8	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	-0.01
77		Benzidine	0.683	0.580	15.1	55	0.00
78		Pyrene	1.300	1.284	1.2	92	0.00
79	S	Terphenyl-d14	1.093	1.064	2.7	93	0.00
80		Butylbenzylphthalate	0.589	0.569	3.4	90	0.00
81		Benzo(a)anthracene	1.319	1.296	1.7	94	-0.02
82		3,3'-Dichlorobenzidine	0.497	0.479	3.6	90	0.00
83		Chrysene	1.235	1.210	2.0	94	-0.02
84		Bis(2-ethylhexyl)phthalate	0.867	0.831	4.2	92	-0.02
85	c	Di-n-octyl phthalate	1.492	1.498	-0.4	95	-0.03
86	I	Perylene-d12	1.000	1.000	0.0	103	-0.03
87		Indeno(1,2,3-cd)pyrene	1.467	1.483	-1.1	108	-0.02
88		Benzo(b)fluoranthene	1.179	1.117	5.3	101	0.00
89		Benzo(k)fluoranthene	1.180	1.109	6.0	101	0.00
90	C	Benzo(a)pyrene	1.148	1.115	2.9	103	0.00
91		Dibenzo(a,h)anthracene	1.199	1.211	-1.0	107	-0.02
92		Benzo(g,h,i)perylene	1.178	1.200	-1.9	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	122	-0.01
2		1,4-Dioxane	40.000	39.729	0.7	128	0.00
3		Pyridine	40.000	38.955	2.6	125	0.00
4		n-Nitrosodimethylamine	40.000	43.959	-9.9	139	0.00
5	S	2-Fluorophenol	80.000	80.749	-0.9	127	0.00
6		Aniline	40.000	39.629	0.9	124	0.00
7	S	Phenol-d6	80.000	80.152	-0.2	124	0.00
8		2-Chlorophenol	40.000	39.746	0.6	125	0.00
9		Benzaldehyde	40.000	47.711	-19.3	115	0.00
10	C	Phenol	40.000	39.828	0.4	125	0.00
11		bis(2-Chloroethyl)ether	40.000	39.942	0.1	126	0.00
12		1,3-Dichlorobenzene	40.000	39.651	0.9	125	0.00
13	C	1,4-Dichlorobenzene	40.000	39.168	2.1	124	-0.01
14		1,2-Dichlorobenzene	40.000	38.659	3.4	122	0.00
15		Benzyl Alcohol	40.000	40.000	0.0	125	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.975	-2.4	130	0.00
17		2-Methylphenol	40.000	39.881	0.3	123	0.00
18		Hexachloroethane	40.000	39.729	0.7	125	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.186	4.5	120	0.00
20		3+4-Methylphenols	40.000	38.594	3.5	120	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	117	0.00
22		Acetophenone	40.000	39.831	0.4	121	0.00
23	S	Nitrobenzene-d5	80.000	82.765	-3.5	125	0.00
24		Nitrobenzene	40.000	41.406	-3.5	125	0.00
25		Isophorone	40.000	38.851	2.9	118	0.00
26	C	2-Nitrophenol	40.000	41.086	-2.7	121	0.00
27		2,4-Dimethylphenol	40.000	40.225	-0.6	119	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.812	3.0	118	-0.01
29	C	2,4-Dichlorophenol	40.000	40.055	-0.1	119	0.00
30		1,2,4-Trichlorobenzene	40.000	39.125	2.2	119	0.00
31		Naphthalene	40.000	38.828	2.9	118	-0.01
32		Benzoic acid	40.000	40.049	-0.1	119	0.01
33		4-Chloroaniline	40.000	38.991	2.5	116	0.00
34	C	Hexachlorobutadiene	40.000	39.065	2.3	118	-0.01
35		Caprolactam	40.000	35.484	11.3	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.676	3.3	116	0.00
37		2-Methylnaphthalene	40.000	37.995	5.0	116	-0.01
38		1-Methylnaphthalene	40.000	37.300	6.8	115	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.240	-0.6	113	-0.01
41	P	Hexachlorocyclopentadiene	40.000	41.668	-4.2	114	-0.01
42	S	2,4,6-Tribromophenol	80.000	74.936	6.3	104	-0.02
43	C	2,4,6-Trichlorophenol	40.000	41.205	-3.0	114	0.00
44		2,4,5-Trichlorophenol	40.000	40.598	-1.5	111	0.00
45	S	2-Fluorobiphenyl	80.000	78.794	1.5	113	-0.01
46		1,1'-Biphenyl	40.000	39.995	0.0	112	-0.01
47		2-Chloronaphthalene	40.000	40.186	-0.5	112	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.636	-6.6	116	0.00
49		Acenaphthylene	40.000	39.644	0.9	112	-0.01
50		Dimethylphthalate	40.000	38.020	4.9	108	-0.01
51		2,6-Dinitrotoluene	40.000	40.251	-0.6	109	0.00
52	C	Acenaphthene	40.000	38.553	3.6	111	0.00
53		3-Nitroaniline	40.000	38.977	2.6	108	-0.01
54	P	2,4-Dinitrophenol	40.000	40.644	-1.6	112	0.00
55		Dibenzofuran	40.000	38.235	4.4	108	0.00
56	P	4-Nitrophenol	40.000	37.635	5.9	105	0.00
57		2,4-Dinitrotoluene	40.000	38.698	3.3	106	0.00
58		Fluorene	40.000	36.973	7.6	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.239	1.9	110	0.00
60		Diethylphthalate	40.000	37.056	7.4	105	-0.01
61		4-Chlorophenyl-phenylether	40.000	36.730	8.2	105	0.00
62		4-Nitroaniline	40.000	35.928	10.2	99	0.00
63		Azobenzene	40.000	39.764	0.6	111	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	42.016	-5.0	105	-0.01
66	c	n-Nitrosodiphenylamine	40.000	41.848	-4.6	106	-0.01
67		4-Bromophenyl-phenylether	40.000	40.652	-1.6	103	0.00
68		Hexachlorobenzene	40.000	39.912	0.2	103	0.00
69		Atrazine	40.000	39.190	2.0	101	-0.01
70	C	Pentachlorophenol	40.000	41.242	-3.1	104	0.00
71		Phenanthrene	40.000	38.791	3.0	101	-0.01
72		Anthracene	40.000	39.524	1.2	101	-0.01
73		Carbazole	40.000	38.481	3.8	99	-0.01
74		Di-n-butylphthalate	40.000	37.487	6.3	96	0.00
75	C	Fluoranthene	40.000	36.116	9.7	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	-0.01
77		Benzidine	40.000	34.006	15.0	55	0.00
78		Pyrene	40.000	39.495	1.3	92	0.00
79	S	Terphenyl-d14	80.000	77.871	2.7	93	0.00
80		Butylbenzylphthalate	40.000	38.610	3.5	90	0.00
81		Benzo(a)anthracene	40.000	39.296	1.8	94	-0.02
82		3,3'-Dichlorobenzidine	40.000	38.576	3.6	90	0.00
83		Chrysene	40.000	39.179	2.1	94	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	38.334	4.2	92	-0.02
85	c	Di-n-octyl phthalate	40.000	40.160	-0.4	95	-0.03
86	I	Perylene-d12	20.000	20.000	0.0	103	-0.03
87		Indeno(1,2,3-cd)pyrene	40.000	40.446	-1.1	108	-0.02
88		Benzo(b)fluoranthene	40.000	37.901	5.2	101	0.00
89		Benzo(k)fluoranthene	40.000	37.602	6.0	101	0.00
90	C	Benzo(a)pyrene	40.000	38.843	2.9	103	0.00
91		Dibenzo(a,h)anthracene	40.000	40.400	-1.0	107	-0.02
92		Benzo(g,h,i)perylene	40.000	40.739	-1.8	108	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025526.D
Acq On : 21 Aug 2025 03:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 05:11:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 06:42

Lab File ID: BP025528.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.211		0.6	
Benzaldehyde	1.082	1.331		23.0	
Phenol-d6	1.544	1.588		2.8	
Phenol	1.620	1.664		2.7	20.0
bis(2-Chloroethyl)ether	1.263	1.271		0.6	
2-Chlorophenol	1.359	1.383		1.8	
2-Methylphenol	1.125	1.159		3.0	
2,2-oxybis(1-Chloropropane)	1.692	1.822		7.7	
Acetophenone	0.502	0.505		0.6	
3+4-Methylphenols	1.560	1.594		2.2	
n-Nitroso-di-n-propylamine	1.023	1.037	0.050	1.4	
Nitrobenzene-d5	0.395	0.404		2.3	
Hexachloroethane	0.563	0.574		2.0	
Nitrobenzene	0.353	0.365		3.4	
Isophorone	0.700	0.714		2.0	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.319		2.2	
bis(2-Chloroethoxy)methane	0.423	0.421		-0.5	
2,4-Dichlorophenol	0.310	0.312		0.6	20.0
Naphthalene	1.040	1.015		-2.4	
4-Chloroaniline	0.459	0.465		1.3	
Hexachlorobutadiene	0.211	0.208		-1.4	20.0
Caprolactam	0.114	0.116		1.8	
4-Chloro-3-methylphenol	0.355	0.366		3.1	20.0
2-Methylnaphthalene	0.676	0.671		-0.7	
Hexachlorocyclopentadiene	0.349	0.350	0.050	0.3	
2,4,6-Trichlorophenol	0.390	0.410		5.1	20.0
2-Fluorobiphenyl	1.463	1.383		-5.5	
2,4,5-Trichlorophenol	0.427	0.446		4.4	
1,1-Biphenyl	1.453	1.459		0.4	
2-Chloronaphthalene	1.131	1.124		-0.6	
2-Nitroaniline	0.329	0.374		13.7	
Dimethylphthalate	1.465	1.502		2.5	
Acenaphthylene	1.871	1.868		-0.2	
2,6-Dinitrotoluene	0.309	0.330		6.8	
3-Nitroaniline	0.347	0.367		5.8	
Acenaphthene	1.098	1.075		-2.1	20.0
2,4-Dinitrophenol	0.165	0.174	0.050	5.5	
4-Nitrophenol	0.285	0.307	0.050	7.7	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 06:42

Lab File ID: BP025528.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.733		-0.2	
2,4-Dinitrotoluene	0.440	0.482		9.5	
Diethylphthalate	1.488	1.538		3.4	
4-Chlorophenyl-phenylether	0.681	0.648		-4.8	
Fluorene	1.370	1.312		-4.2	
4-Nitroaniline	0.356	0.363		2.0	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.274		1.9	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.250		-2.0	
Atrazine	0.228	0.231		1.3	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.074		-2.3	
Anthracene	1.122	1.087		-3.1	
Carbazole	1.057	1.024		-3.1	
Di-n-butylphthalate	1.300	1.302		0.2	
Fluoranthene	1.311	1.222		-6.8	20.0
Pyrene	1.300	1.517		16.7	
Terphenyl-d14	1.093	1.224		12.0	
Butylbenzylphthalate	0.589	0.681		15.6	
3,3-Dichlorobenzidine	0.497	0.463		-6.8	
Benzo(a)anthracene	1.319	1.317		-0.2	
Chrysene	1.235	1.220		-1.2	
Bis(2-ethylhexyl)phthalate	0.867	0.908		4.7	
Di-n-octyl phthalate	1.492	1.357		-9.0	20.0
Benzo(b)fluoranthene	1.179	1.178		-0.1	
Benzo(k)fluoranthene	1.180	1.160		-1.7	
Benzo(a)pyrene	1.148	1.150		0.2	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.545		5.3	
Dibenzo(a,h)anthracene	1.199	1.264		5.4	
Benzo(g,h,i)perylene	1.178	1.268		7.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.574		-0.7	
1,4-Dioxane	0.472	0.468		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.391		3.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	210336	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	893021	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	582847	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1185139	20.000	ng		0.00
76) Chrysene-d12	21.642	240	966898	20.000	ng		0.00
86) Perylene-d12	25.001	264	954709	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	1018965	80.452	ng		0.00
7) Phenol-d6	6.966	99	1335936	82.271	ng		0.00
23) Nitrobenzene-d5	8.931	82	1443187	81.750	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	639783	81.551	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	3224036	75.599	ng		0.00
79) Terphenyl-d14	19.924	244	4732498	89.549	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	197014	39.712	ng		98
3) Pyridine	3.725	79	535552	39.440	ng		94
4) n-Nitrosodimethylamine	3.631	42	248430	44.377	ng		94
6) Aniline	7.125	93	887762	40.577	ng		98
8) 2-Chlorophenol	7.360	128	581806	40.707	ng		98
9) Benzaldehyde	6.937	77	559981	49.222	ng		96
10) Phenol	6.996	94	699876	41.075	ng		97
11) bis(2-Chloroethyl)ether	7.213	93	534841	40.272	ng		98
12) 1,3-Dichlorobenzene	7.678	146	627773	39.834	ng		98
13) 1,4-Dichlorobenzene	7.819	146	637445	39.573	ng		99
14) 1,2-Dichlorobenzene	8.137	146	617713	39.615	ng		99
15) Benzyl Alcohol	8.025	79	543909	42.156	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.302	45	766477	43.083	ng		97
17) 2-Methylphenol	8.225	107	487657	41.208	ng		98
18) Hexachloroethane	8.854	117	241449	40.767	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	436071	40.542	ng		96
20) 3+4-Methylphenols	8.549	107	670504	40.875	ng		94
22) Acetophenone	8.596	105	901234	40.242	ng	#	97
24) Nitrobenzene	8.972	77	652095	41.331	ng		98
25) Isophorone	9.496	82	1274526	40.795	ng		99
26) 2-Nitrophenol	9.672	139	332366	41.048	ng		98
27) 2,4-Dimethylphenol	9.737	122	569584	40.905	ng		99
28) bis(2-Chloroethoxy)met...	9.966	93	752214	39.830	ng		98
29) 2,4-Dichlorophenol	10.207	162	557739	40.321	ng		99
30) 1,2,4-Trichlorobenzene	10.419	180	579601	38.224	ng		99
31) Naphthalene	10.607	128	1813476	39.071	ng		99
32) Benzoic acid	9.896	122	439768	42.778	ng		97
33) 4-Chloroaniline	10.707	127	829890	40.477	ng		99
34) Hexachlorobutadiene	10.896	225	371034	39.290	ng		98
35) Caprolactam	11.507	113	207200	40.851	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	654337	41.225	ng		98
37) 2-Methylnaphthalene	12.213	142	1199198	39.701	ng		99
38) 1-Methylnaphthalene	12.431	142	1254785	39.062	ng		99
40) 1,2,4,5-Tetrachloroben...	12.584	216	669588	39.778	ng		99
41) Hexachlorocyclopentadiene	12.566	237	407908	40.117	ng		98
43) 2,4,6-Trichlorophenol	12.825	196	478356	42.093	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

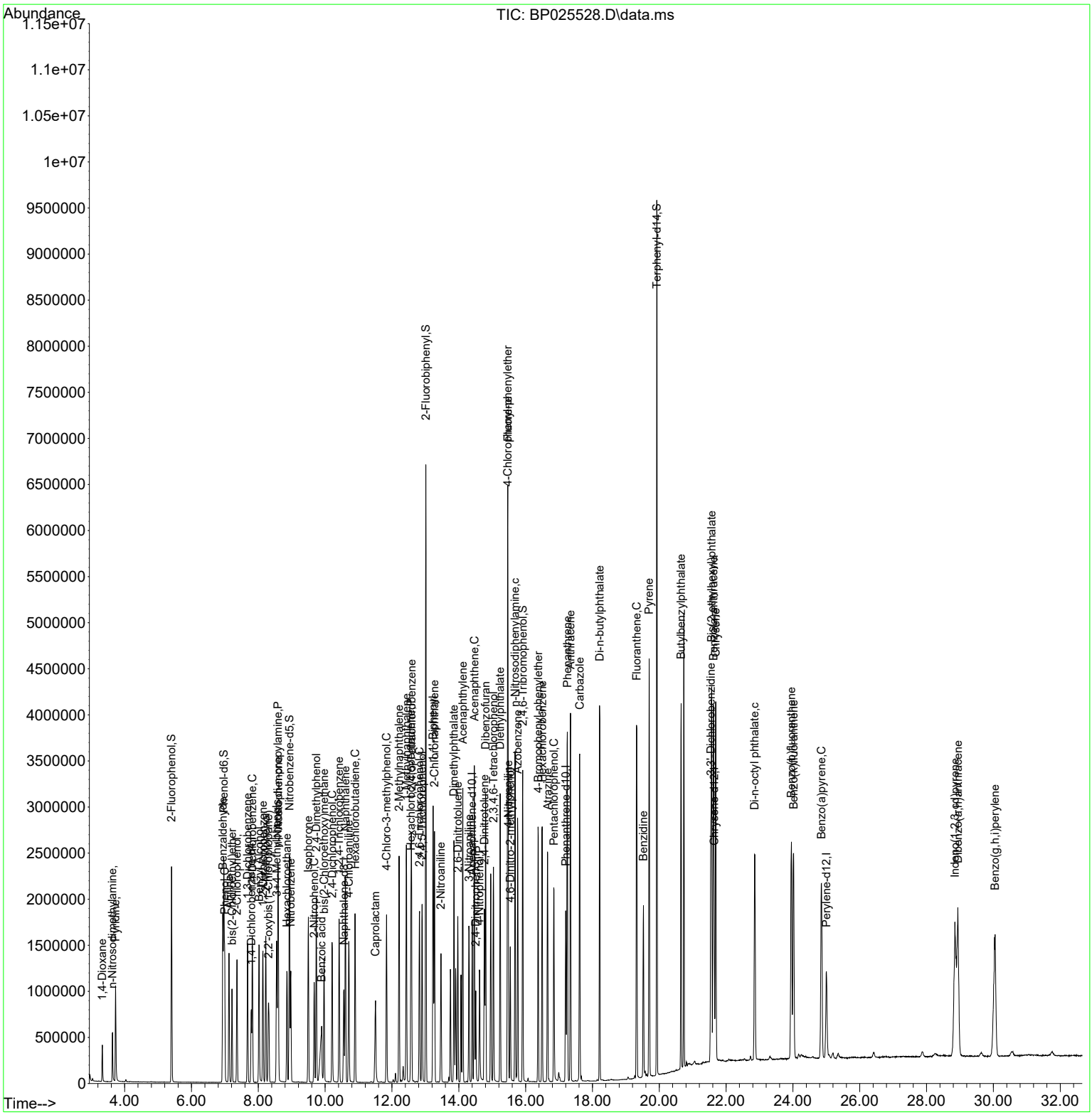
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	520387	41.781	ng	99
46) 1,1'-Biphenyl	13.231	154	1701266	40.191	ng	99
47) 2-Chloronaphthalene	13.272	162	1310696	39.774	ng	100
48) 2-Nitroaniline	13.466	65	435470	45.353	ng	97
49) Acenaphthylene	14.119	152	2178041	39.943	ng	99
50) Dimethylphthalate	13.854	163	1751072	41.027	ng	99
51) 2,6-Dinitrotoluene	13.972	165	384470	42.738	ng	94
52) Acenaphthene	14.466	154	1253527	39.164	ng	99
53) 3-Nitroaniline	14.301	138	428348	42.321	ng	95
54) 2,4-Dinitrophenol	14.507	184	202691	42.191	ng	97
55) Dibenzofuran	14.801	168	2020338	39.925	ng	98
56) 4-Nitrophenol	14.619	139	357906	43.033	ng	93
57) 2,4-Dinitrotoluene	14.766	165	561949	43.783	ng	97
58) Fluorene	15.466	166	1529223	38.298	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	455330	41.403	ng	97
60) Diethylphthalate	15.236	149	1793007	41.343	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	755243	38.031	ng	94
62) 4-Nitroaniline	15.483	138	422646	40.733	ng	92
63) Azobenzene	15.760	77	1581016	42.575	ng	96
65) 4,6-Dinitro-2-methylph...	15.542	198	311124	42.114	ng	96
66) n-Nitrosodiphenylamine	15.684	169	1424731	39.423	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	514245	39.453	ng	97
68) Hexachlorobenzene	16.495	284	591430	39.143	ng	99
69) Atrazine	16.660	200	547846	40.478	ng	97
70) Pentachlorophenol	16.848	266	401483	42.093	ng	96
71) Phenanthrene	17.248	178	2545441	39.098	ng	99
72) Anthracene	17.342	178	2577328	38.766	ng	99
73) Carbazole	17.619	167	2426628	38.750	ng	99
74) Di-n-butylphthalate	18.213	149	3085121	40.043	ng	100
75) Fluoranthene	19.319	202	2895789	37.289	ng	98
77) Benzidine	19.524	184	1206527	36.563	ng	100
78) Pyrene	19.695	202	2933533	46.678	ng	100
80) Butylbenzylphthalate	20.654	149	1316128	46.209	ng	97
81) Benzo(a)anthracene	21.618	228	2546412	39.933	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	894776	37.227	ng	99
83) Chrysene	21.689	228	2359088	39.504	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1755836	41.878	ng	100
85) Di-n-octyl phthalate	22.854	149	2625098	36.401	ng	98
87) Indeno(1,2,3-cd)pyrene	28.848	276	2950656	42.143	ng	99
88) Benzo(b)fluoranthene	23.954	252	2249885	39.965	ng	99
89) Benzo(k)fluoranthene	24.018	252	2214493	39.310	ng	99
90) Benzo(a)pyrene	24.854	252	2196644	40.085	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	2413697	42.186	ng	100
92) Benzo(g,h,i)perylene	30.047	276	2420845	43.043	ng	100

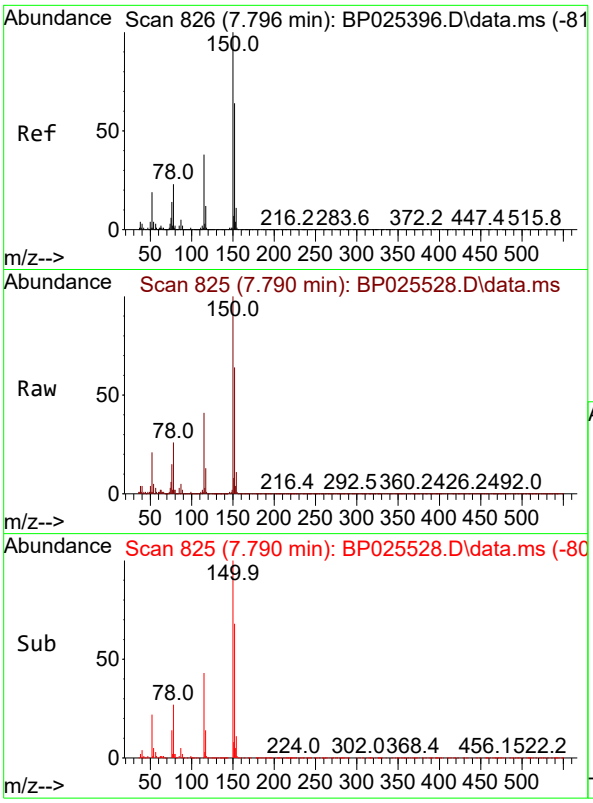
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



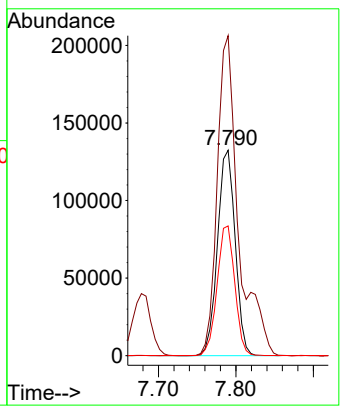


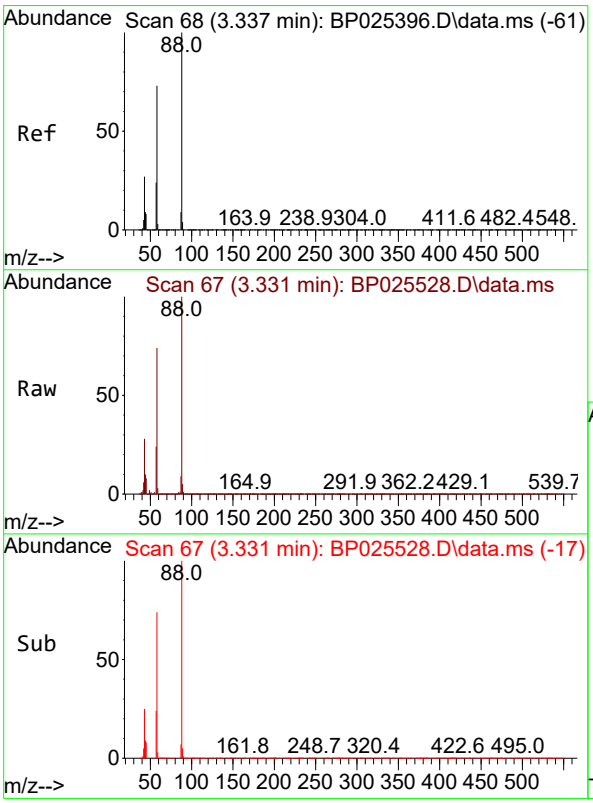
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 210336

Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.9	188.9
115	63.1	48.5	72.7

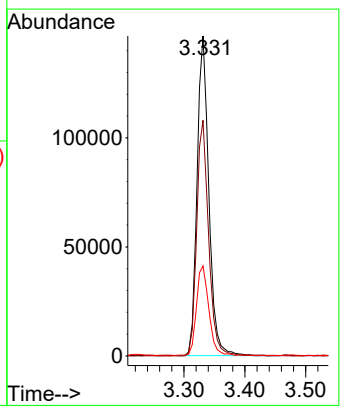


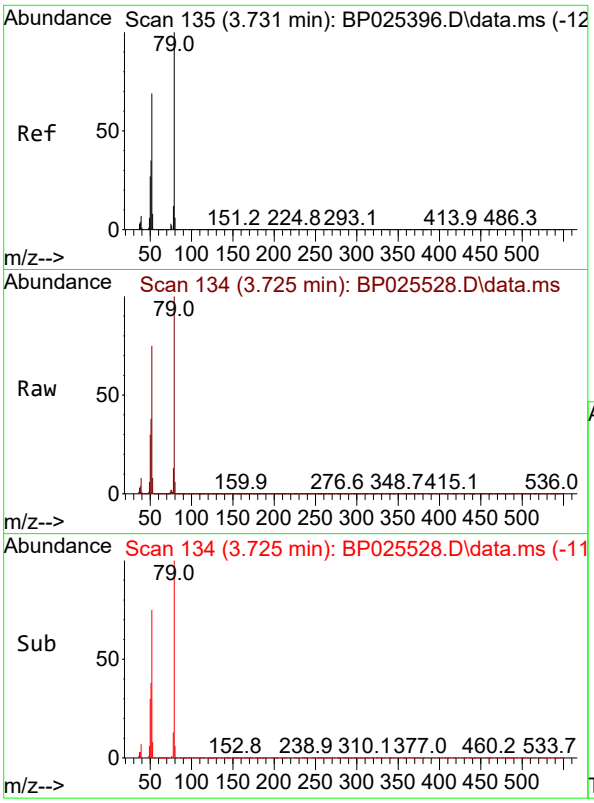


#2
1,4-Dioxane
Concen: 39.712 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 88 Resp: 197014

Ion	Ratio	Lower	Upper
88	100		
58	74.6	59.2	88.8
43	29.6	21.7	32.5



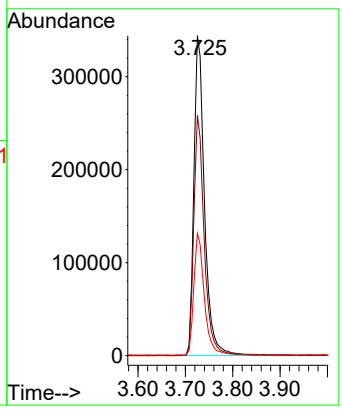


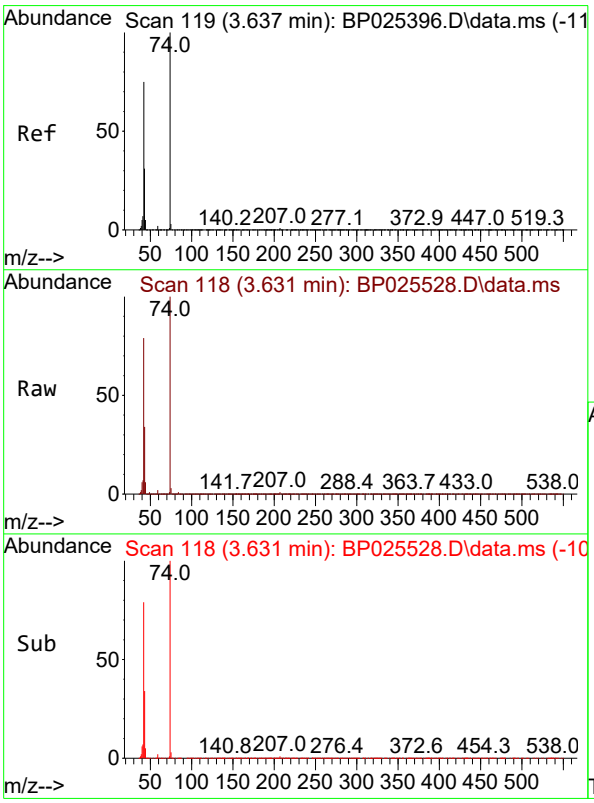
#3
Pyridine
Concen: 39.440 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 535552

Ion	Ratio	Lower	Upper
79	100		
52	75.2	55.5	83.3
51	38.2	28.3	42.5

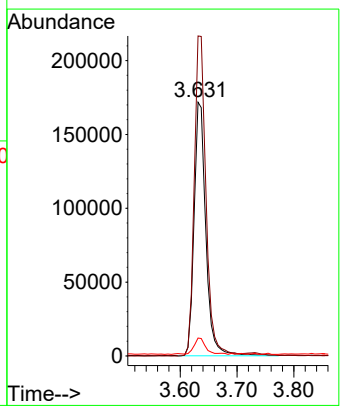


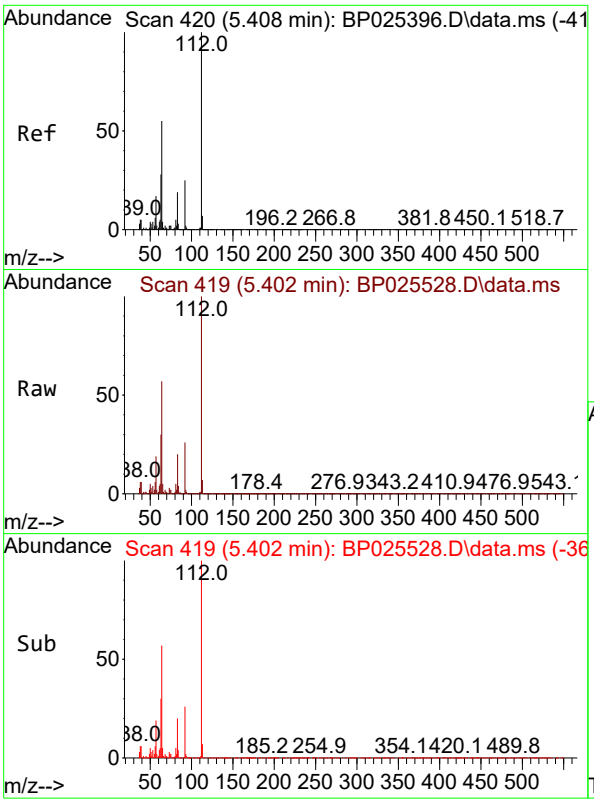


#4
n-Nitrosodimethylamine
Concen: 44.377 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 42 Resp: 248430

Ion	Ratio	Lower	Upper
42	100		
74	126.1	107.0	160.4
44	7.1	6.2	9.4



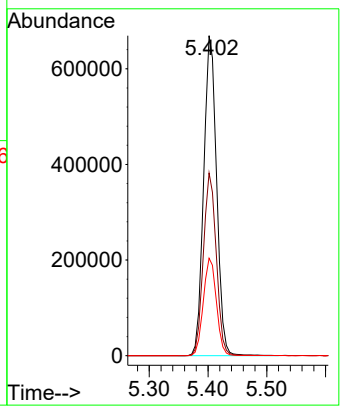


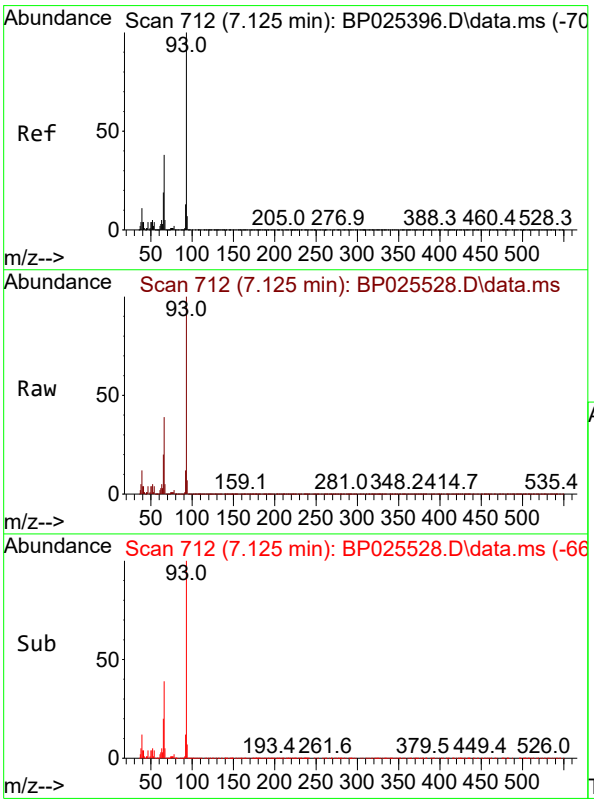
#5
2-Fluorophenol
Concen: 80.452 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1018965

Ion	Ratio	Lower	Upper
112	100		
64	57.1	43.8	65.8
63	30.4	22.7	34.1

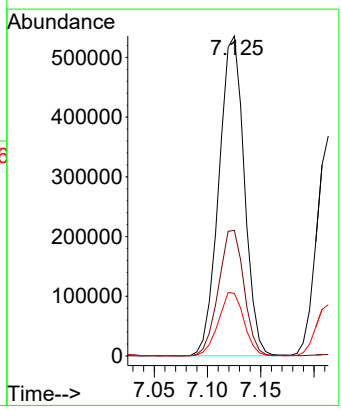


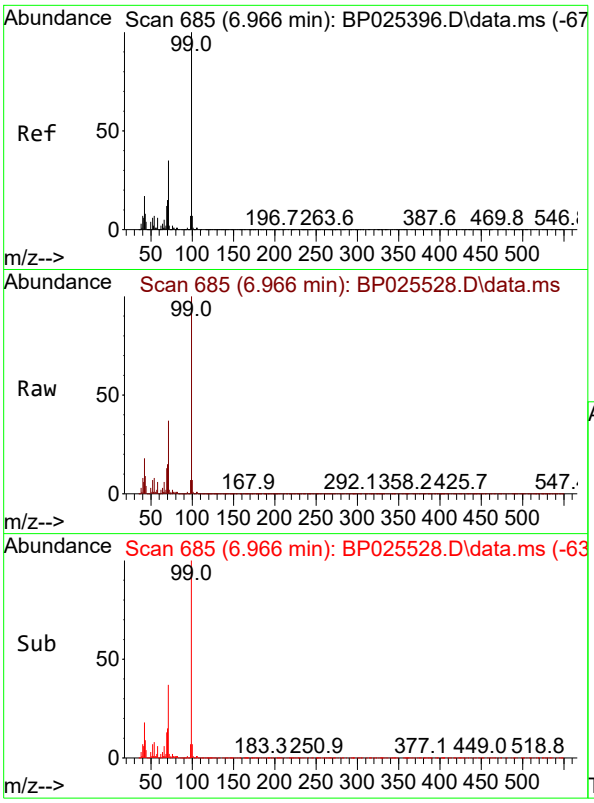


#6
Aniline
Concen: 40.577 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 93 Resp: 887762

Ion	Ratio	Lower	Upper
93	100		
66	39.2	30.4	45.6
65	19.5	15.3	22.9



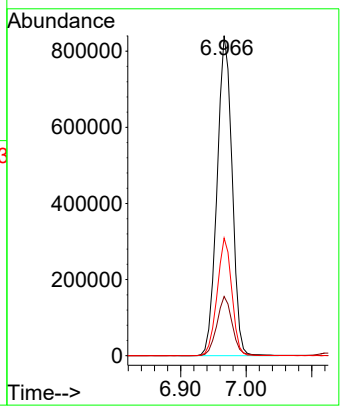


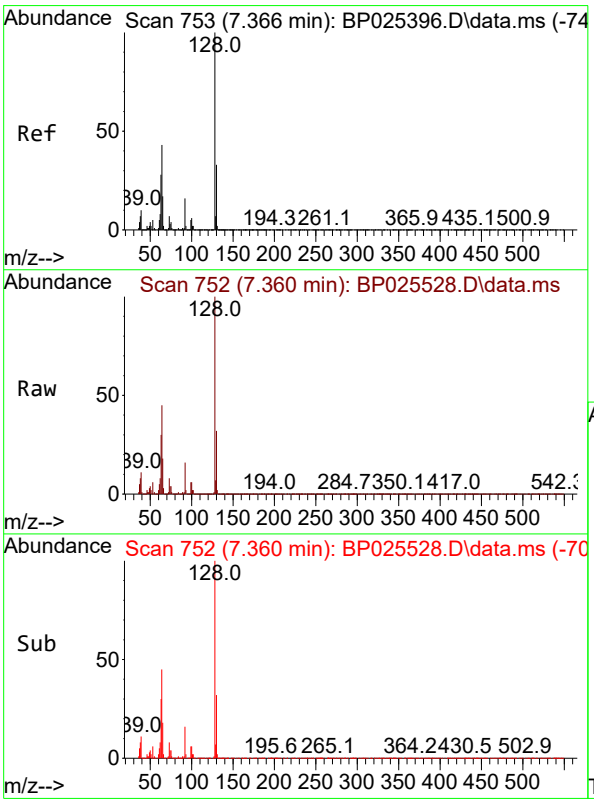
#7
Phenol-d6
Concen: 82.271 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1335936

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.7	20.5
71	36.7	28.2	42.4

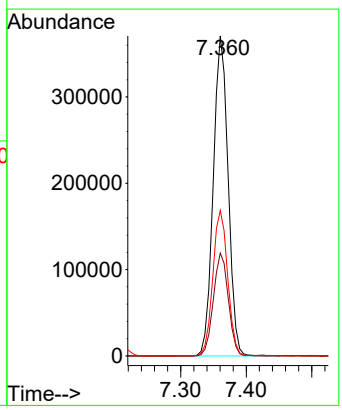


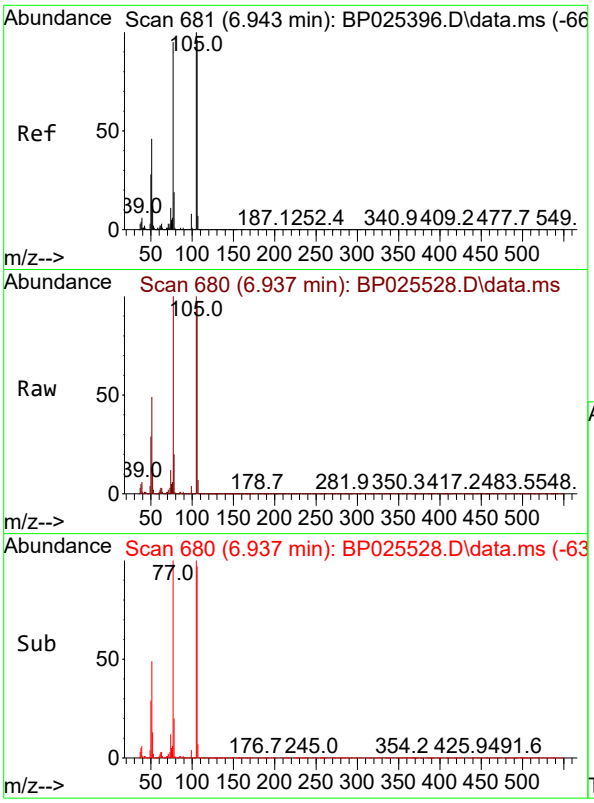


#8
2-Chlorophenol
Concen: 40.707 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:128 Resp: 581806

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	45.5	23.4	63.4



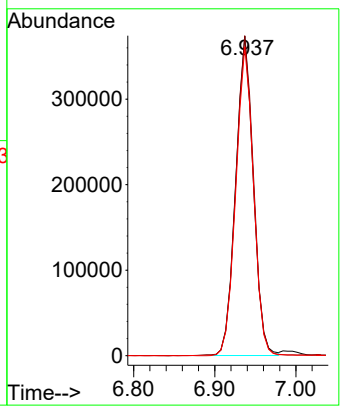


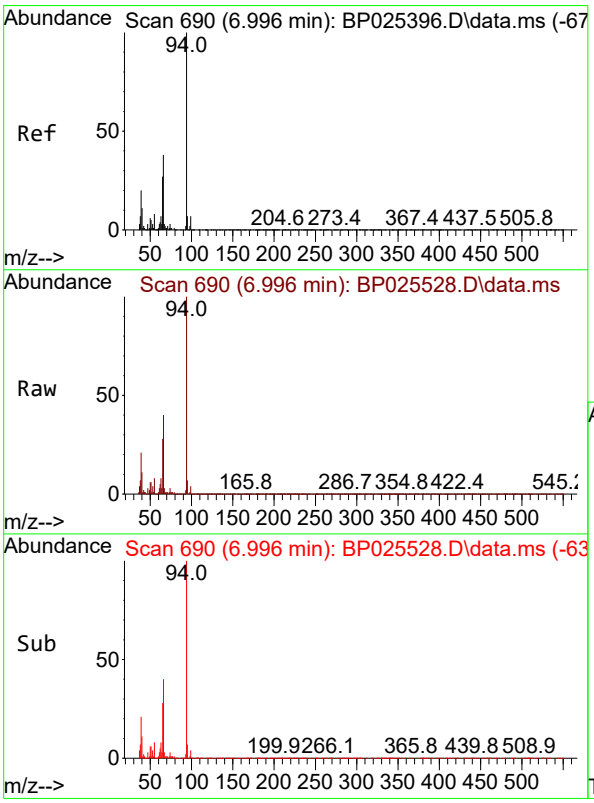
#9
Benzaldehyde
Concen: 49.222 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 559981

Ion	Ratio	Lower	Upper
77	100		
105	100.2	84.8	124.8
106	96.7	80.5	120.5

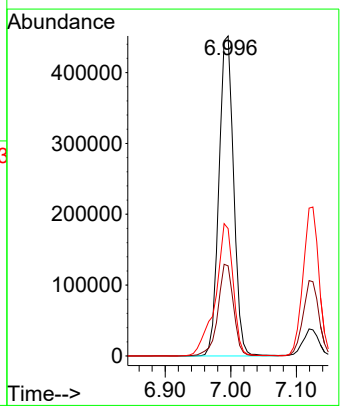


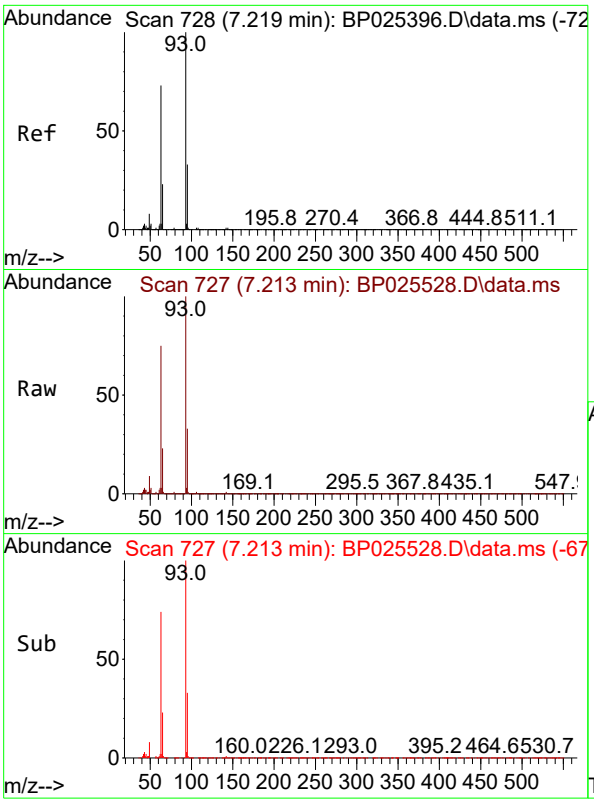


#10
Phenol
Concen: 41.075 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 94 Resp: 699876

Ion	Ratio	Lower	Upper
94	100		
65	28.2	6.8	46.8
66	39.8	18.2	58.2



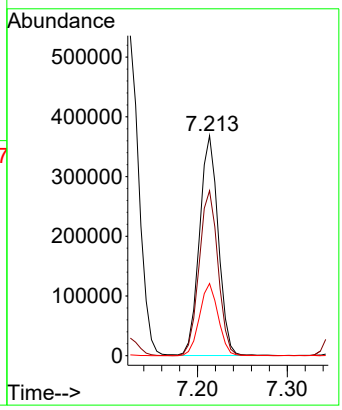


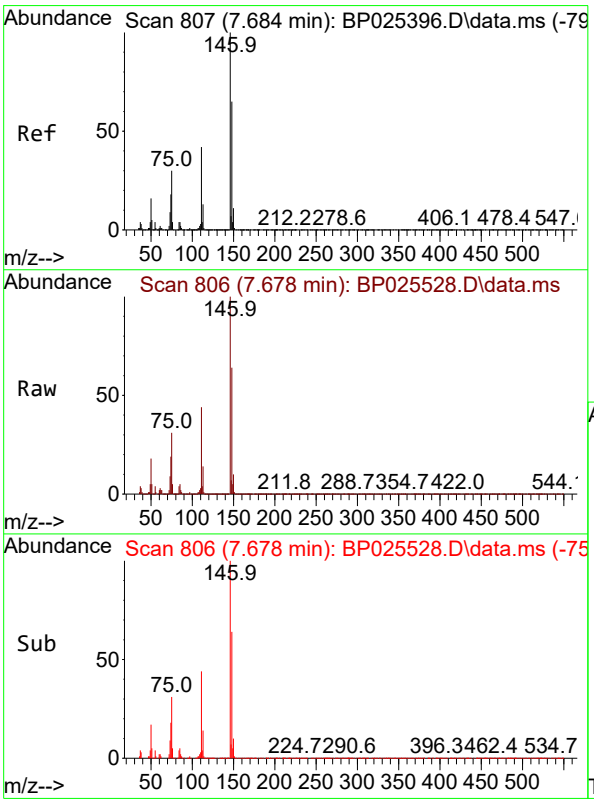
#11
bis(2-Chloroethyl)ether
Concen: 40.272 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 534841

Ion	Ratio	Lower	Upper
93	100		
63	75.0	52.6	92.6
95	32.8	12.7	52.7

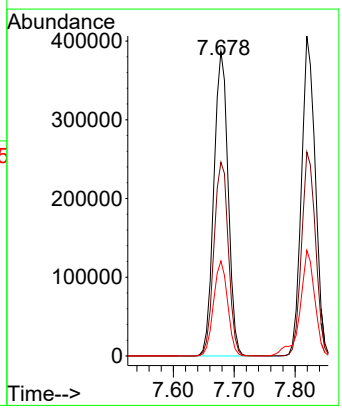


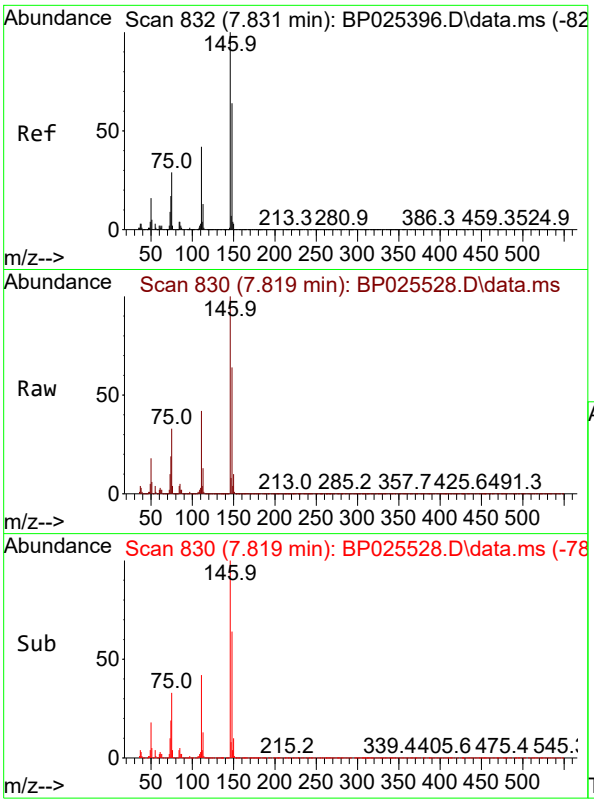


#12
1,3-Dichlorobenzene
Concen: 39.834 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:146 Resp: 627773

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
75	31.2	23.7	35.5



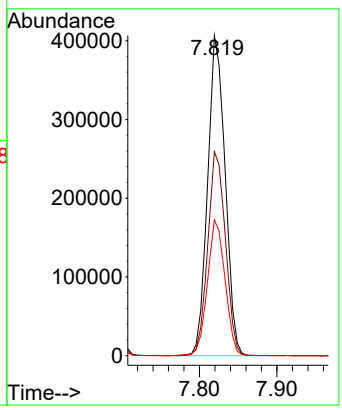


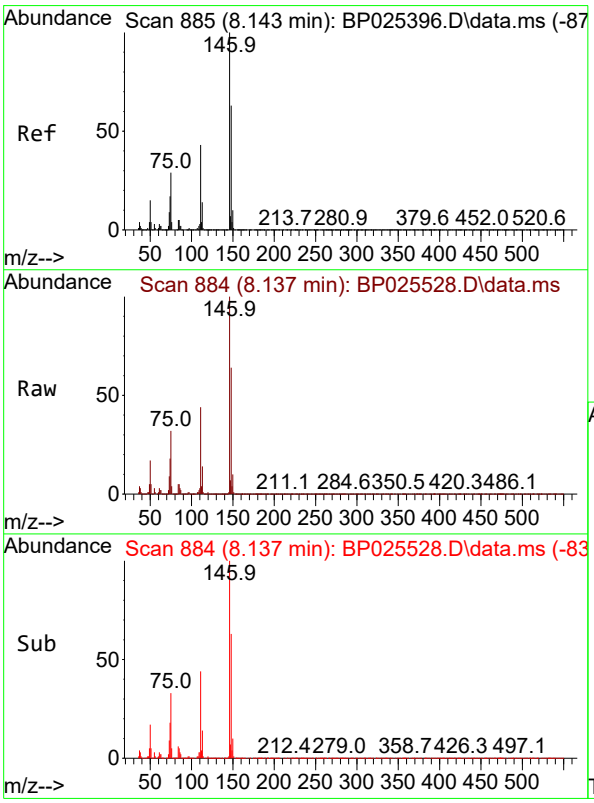
#13
1,4-Dichlorobenzene
Concen: 39.573 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 637445

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.6	77.4
111	42.5	33.4	50.0

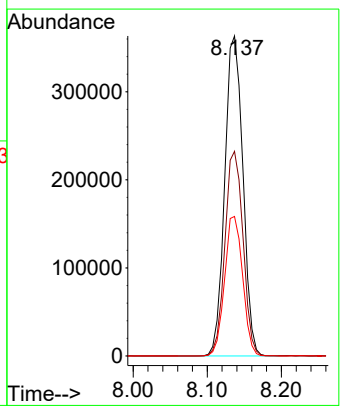


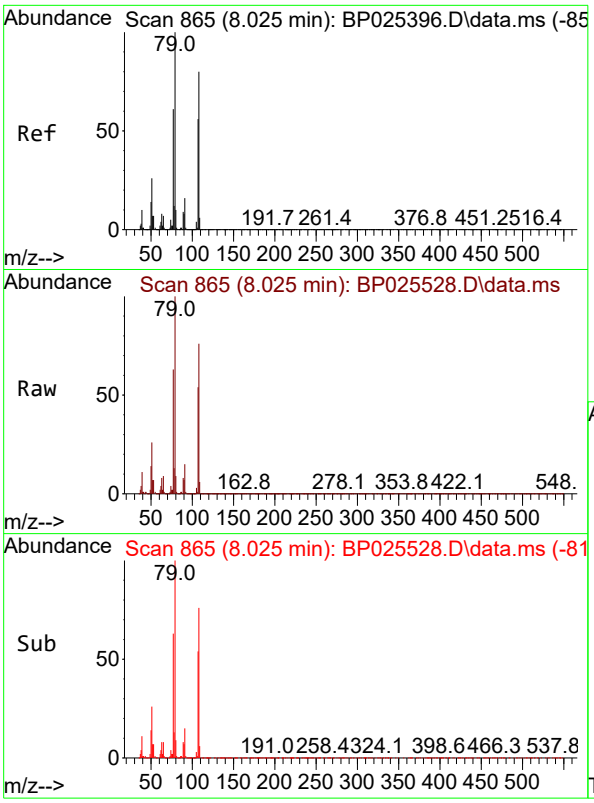


#14
1,2-Dichlorobenzene
Concen: 39.615 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:146 Resp: 617713

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.4	75.6
111	43.6	34.5	51.7



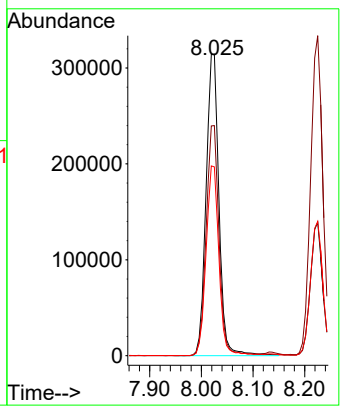


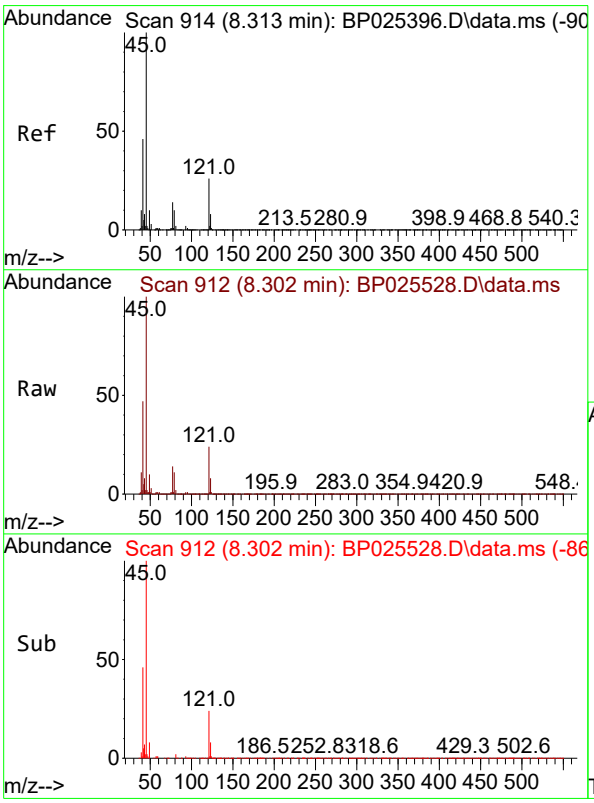
#15
Benzyl Alcohol
Concen: 42.156 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 543909

Ion	Ratio	Lower	Upper
79	100		
108	76.3	63.8	95.6
77	62.6	49.0	73.4

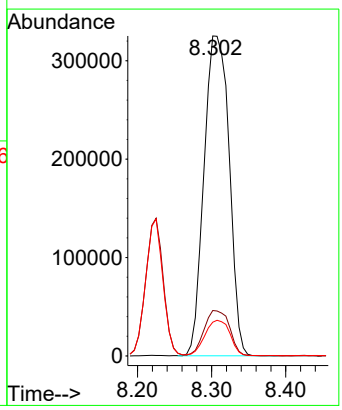


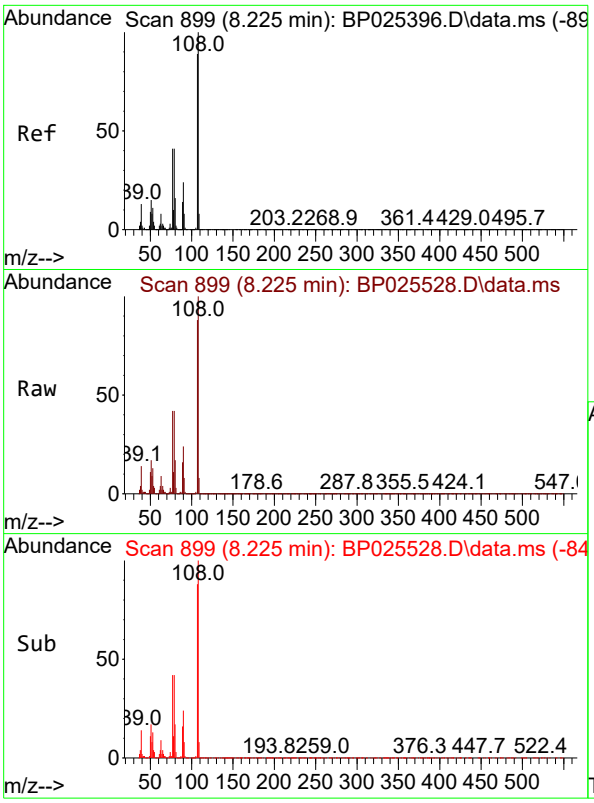


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.083 ng
RT: 8.302 min Scan# 912
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 45 Resp: 766477

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	35.3
79	10.5	0.0	31.8



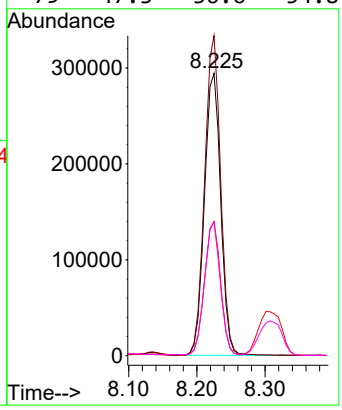


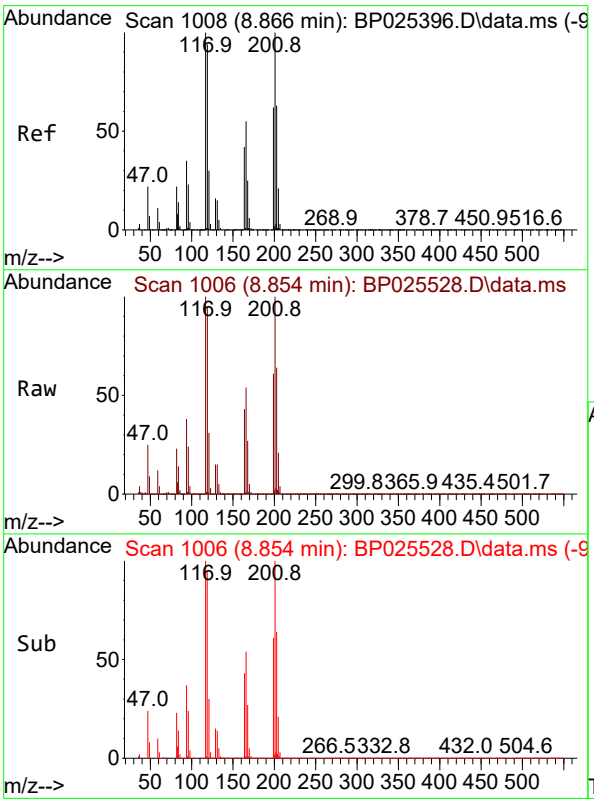
#17
2-Methylphenol
Concen: 41.208 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 487657

Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.4	134.0
77	47.5	36.3	54.5
79	47.3	36.6	54.8

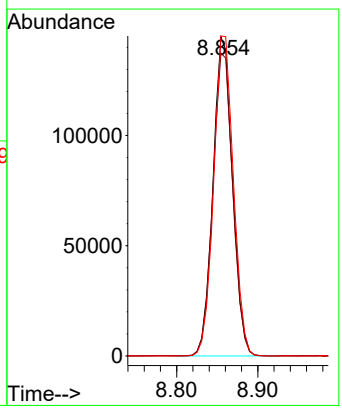


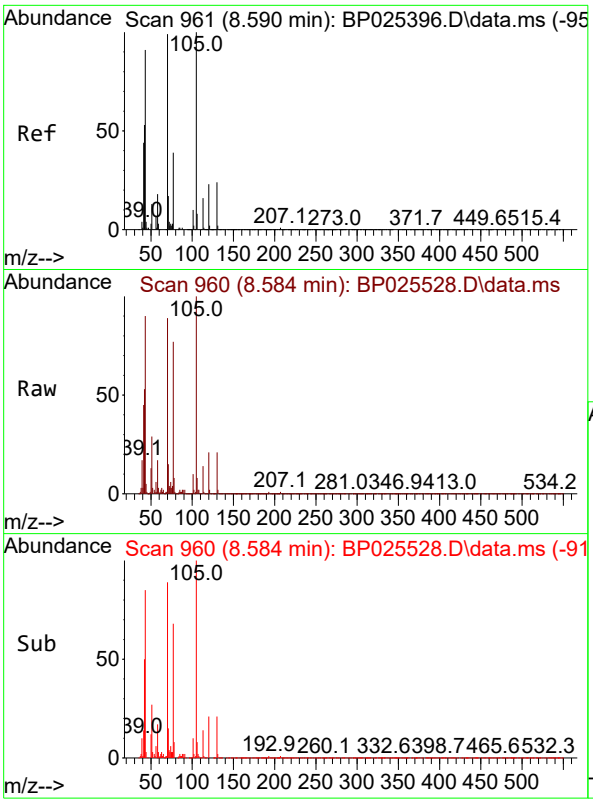


#18
Hexachloroethane
Concen: 40.767 ng
RT: 8.854 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:117 Resp: 241449

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.1	112.7
201	100.4	80.1	120.1



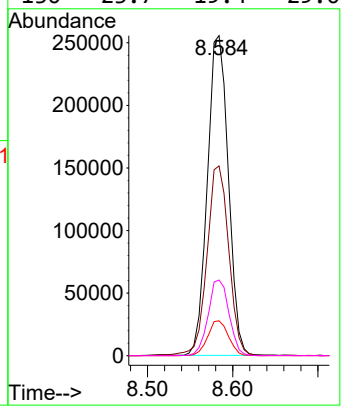


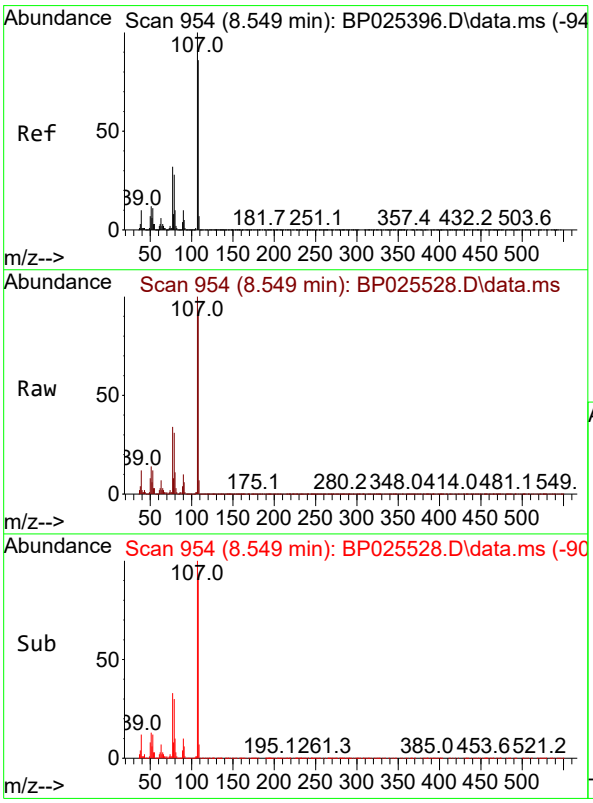
#19
n-Nitroso-di-n-propylamine
Concen: 40.542 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 436071

Ion	Ratio	Lower	Upper
70	100		
42	59.3	43.8	65.6
101	10.9	8.5	12.7
130	23.7	19.4	29.0

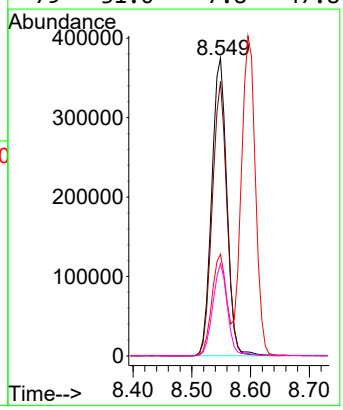


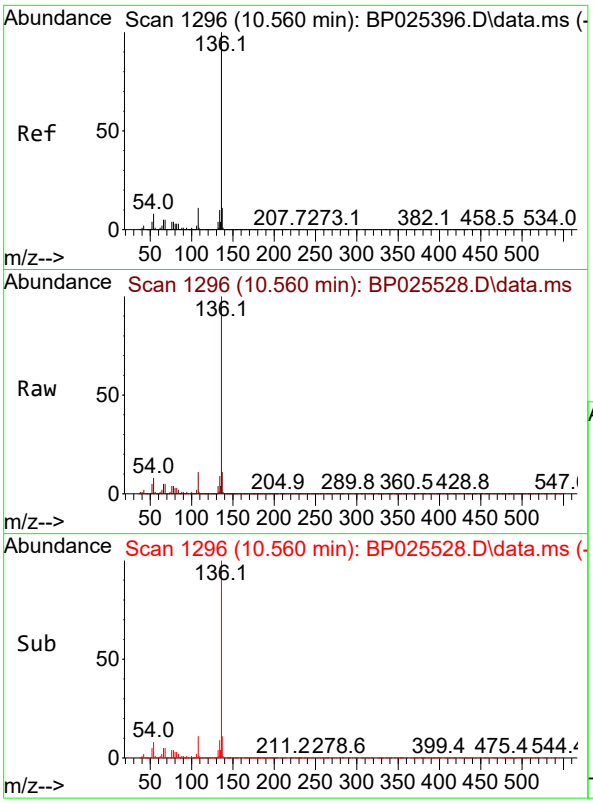


#20
3+4-Methylphenols
Concen: 40.875 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:107 Resp: 670504

Ion	Ratio	Lower	Upper
107	100		
108	92.0	66.3	106.3
77	34.1	12.3	52.3
79	31.0	7.8	47.8



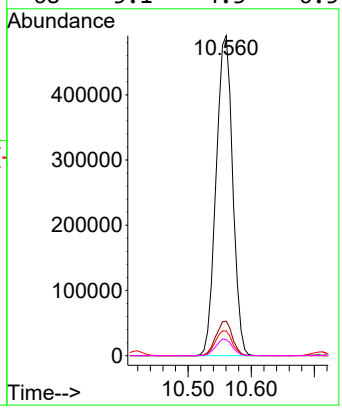


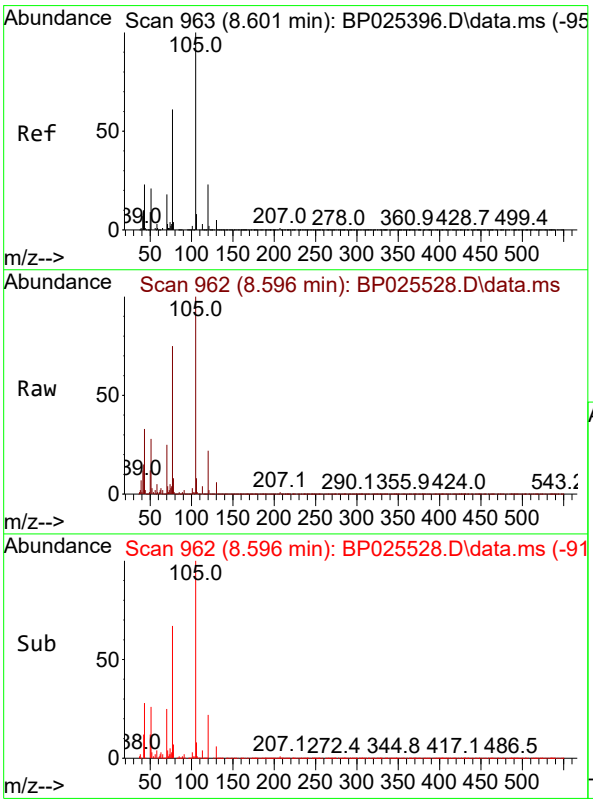
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 893021

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.8	6.0	9.0
68	5.1	4.3	6.5

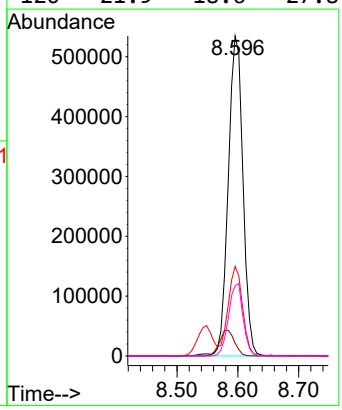


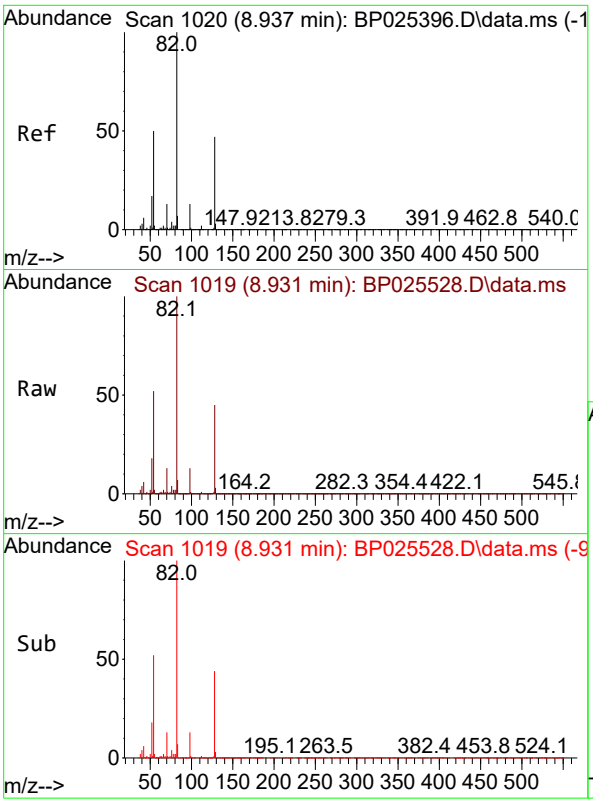


#22
Acetophenone
Concen: 40.242 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:105 Resp: 901234

Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.6	4.0#
51	28.0	20.6	30.8
120	21.9	18.6	27.8



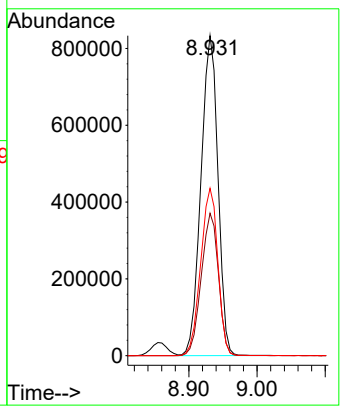


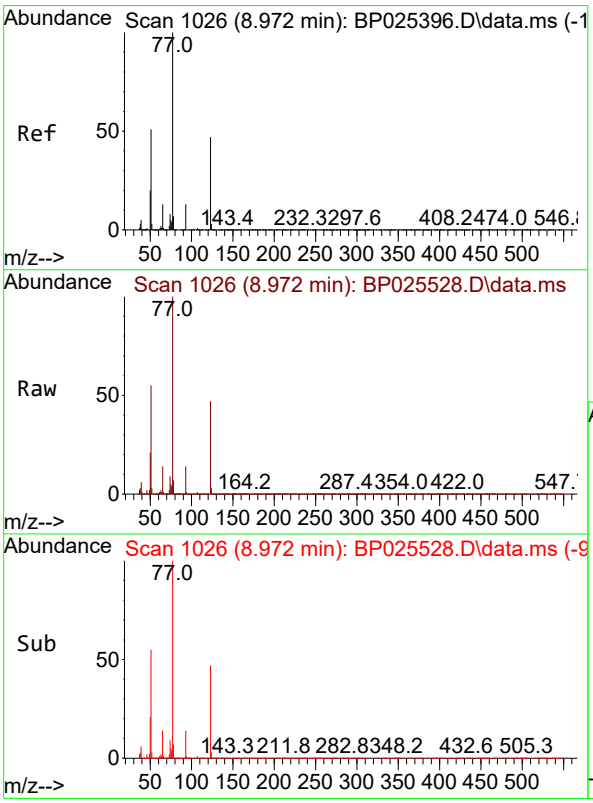
#23
Nitrobenzene-d5
Concen: 81.750 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1443187

Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.7	56.5
54	52.3	39.8	59.6

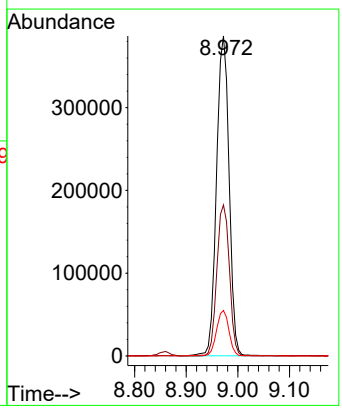


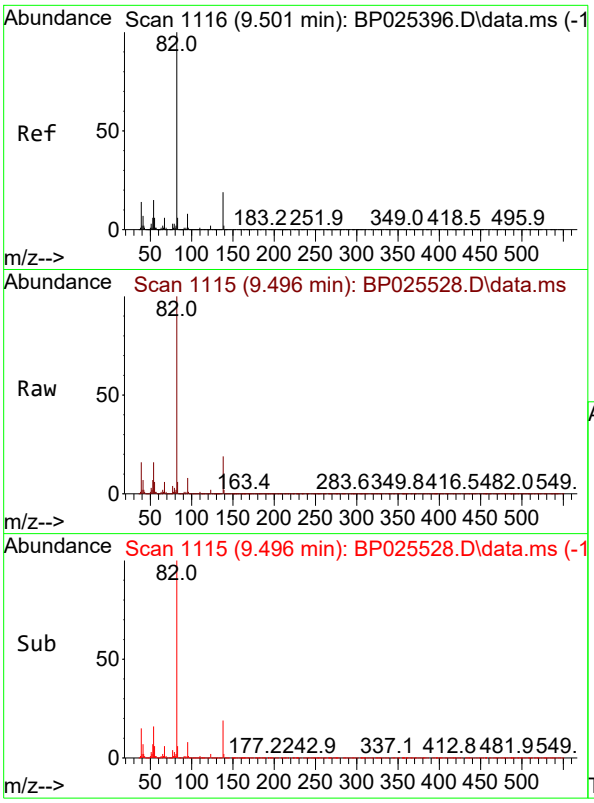


#24
Nitrobenzene
Concen: 41.331 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 77 Resp: 652095

Ion	Ratio	Lower	Upper
77	100		
123	47.2	38.6	58.0
65	14.2	10.6	15.8



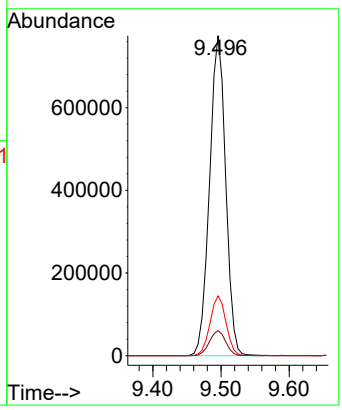


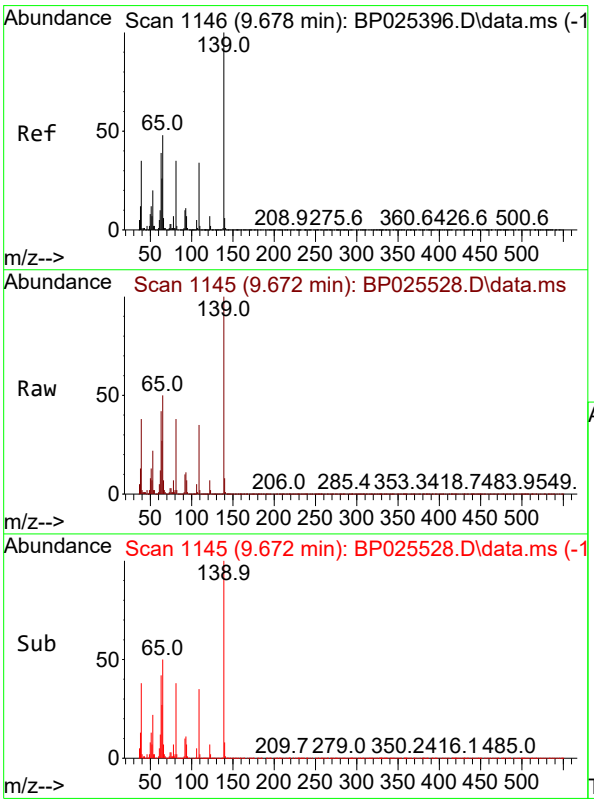
#25
Isophorone
Concen: 40.795 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1274526

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.7	15.4	23.0

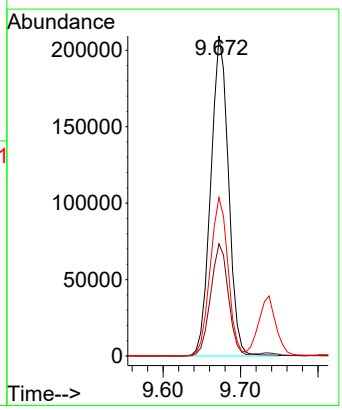


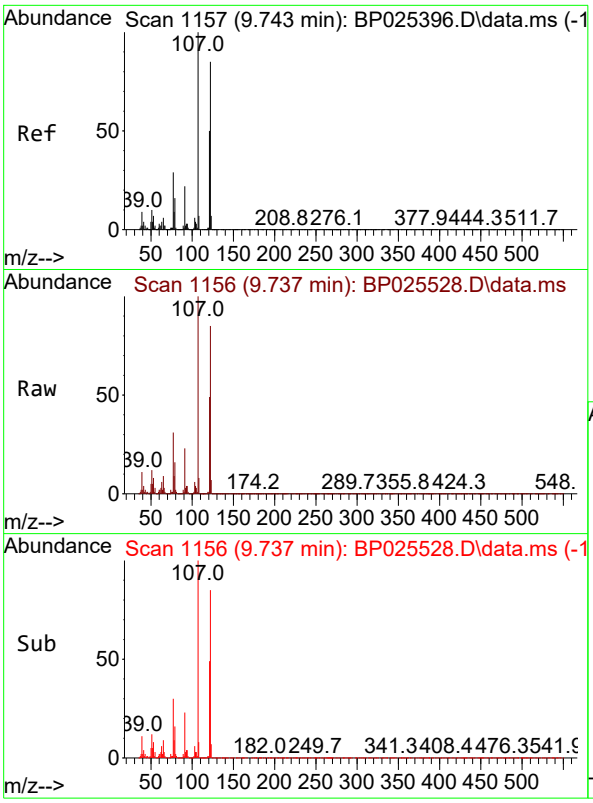


#26
2-Nitrophenol
Concen: 41.048 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:139 Resp: 332366

Ion	Ratio	Lower	Upper
139	100		
109	35.0	26.9	40.3
65	49.5	38.3	57.5



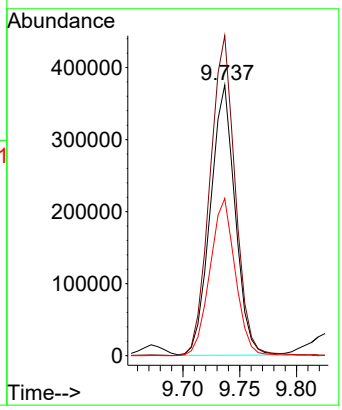


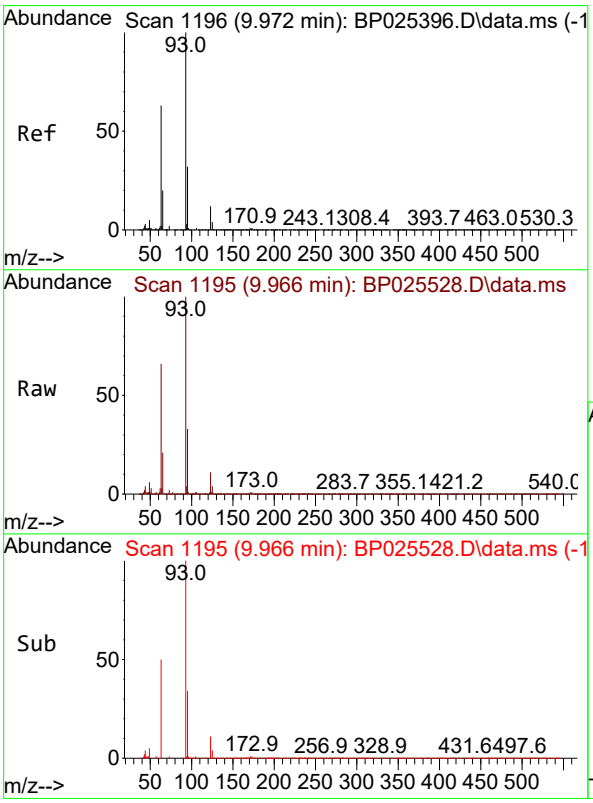
#27
2,4-Dimethylphenol
Concen: 40.905 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 569584

Ion	Ratio	Lower	Upper
122	100		
107	118.2	93.7	140.5
121	58.0	46.6	69.8

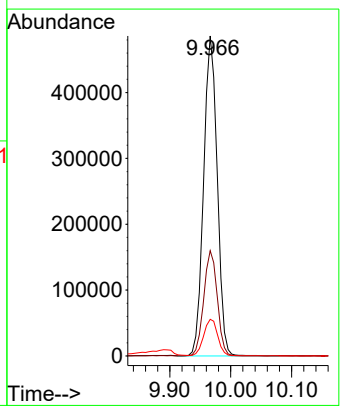


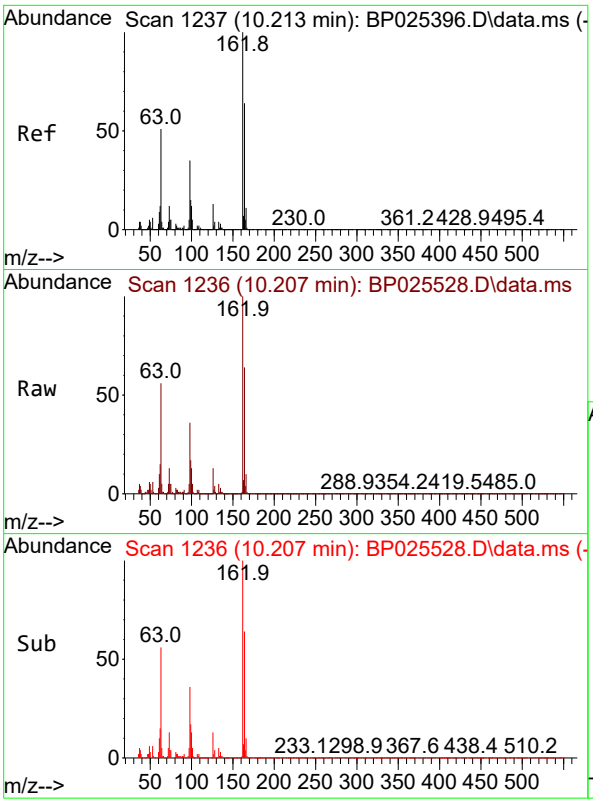


#28
bis(2-Chloroethoxy)methane
Concen: 39.830 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 93 Resp: 752214

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.0
123	11.5	9.4	14.0



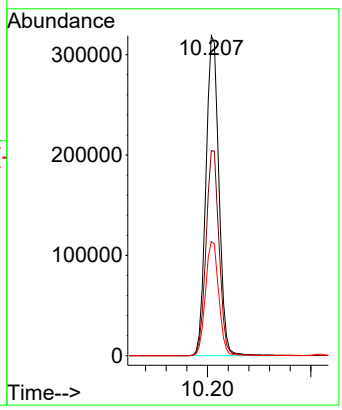


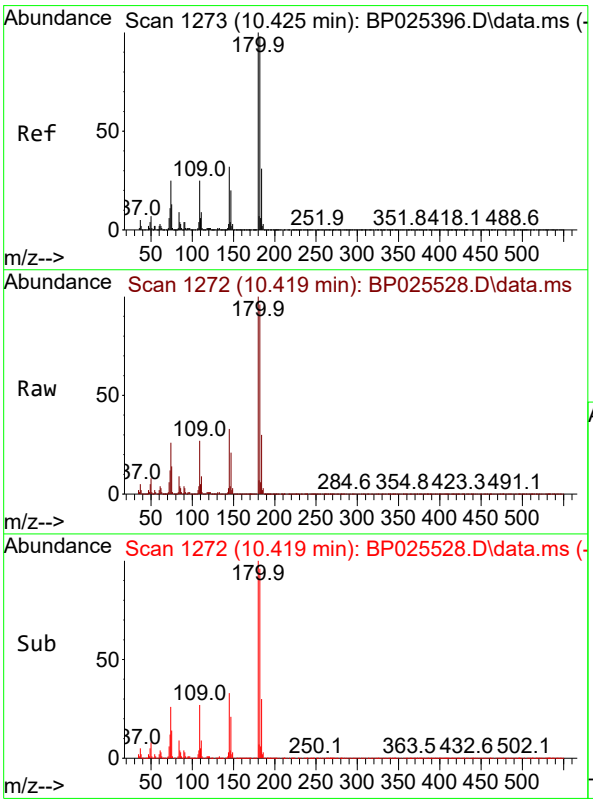
#29
2,4-Dichlorophenol
Concen: 40.321 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 557739

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	35.6	14.9	54.9

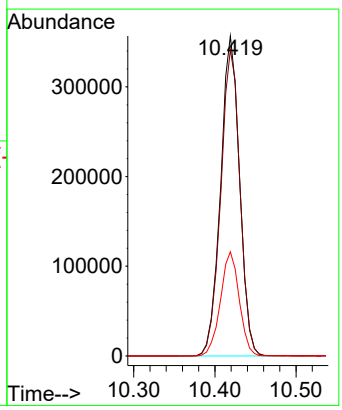


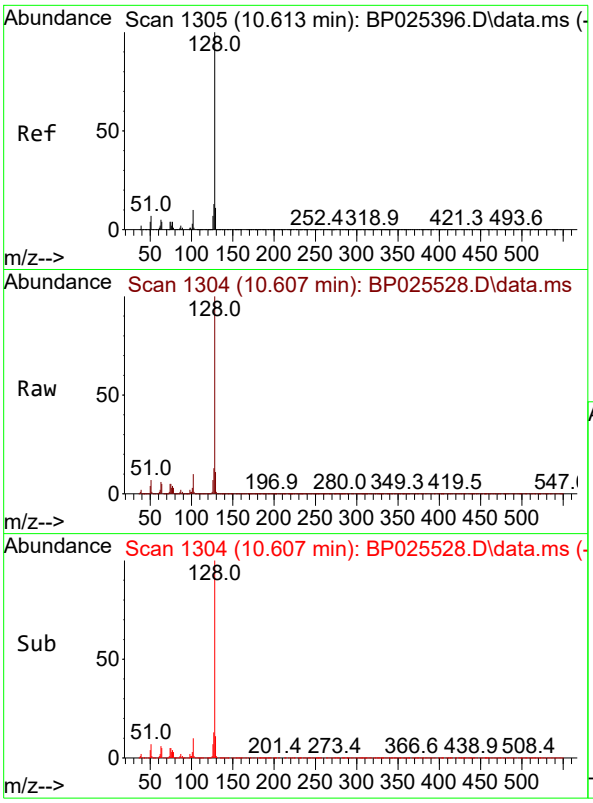


#30
1,2,4-Trichlorobenzene
Concen: 38.224 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:180 Resp: 579601

Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.0	117.0
145	32.6	25.9	38.9



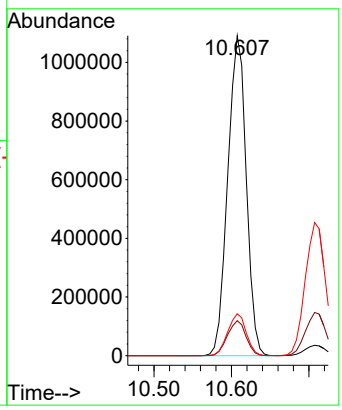


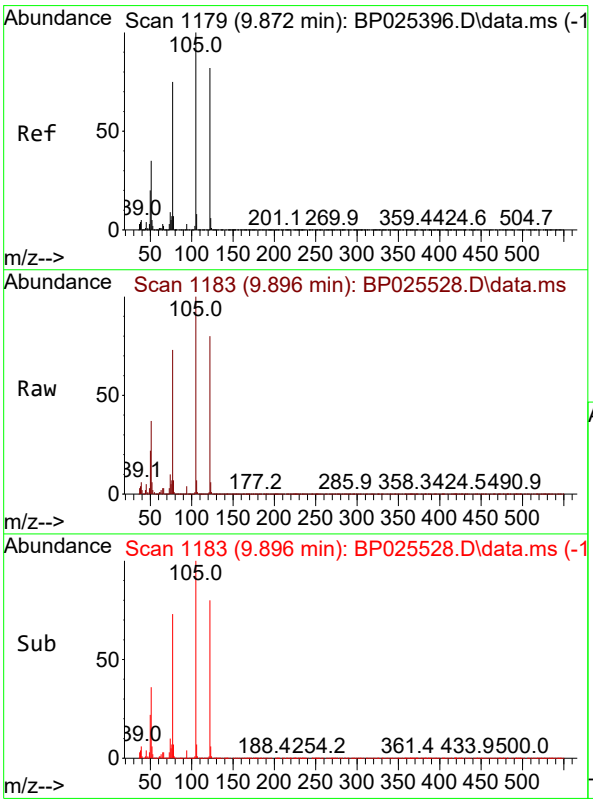
#31
Naphthalene
Concen: 39.071 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1813476

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.1	10.7	16.1

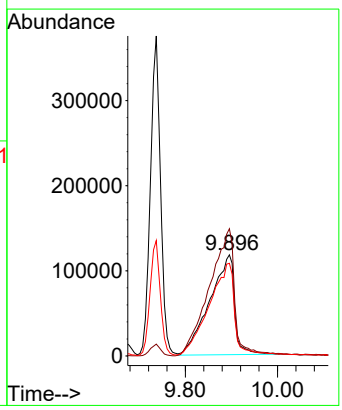


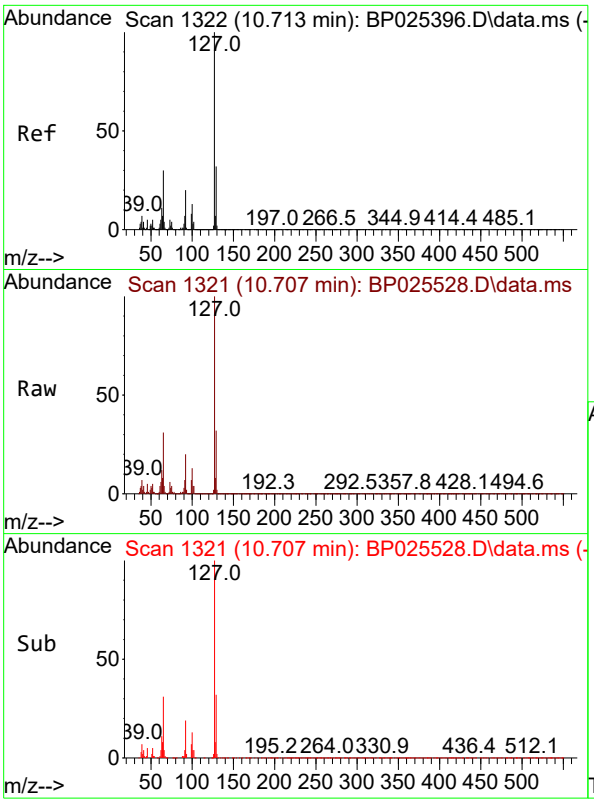


#32
Benzoic acid
Concen: 42.778 ng
RT: 9.896 min Scan# 1183
Delta R.T. 0.024 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:122 Resp: 439768

Ion	Ratio	Lower	Upper
122	100		
105	125.7	100.6	140.6
77	91.6	71.5	111.5



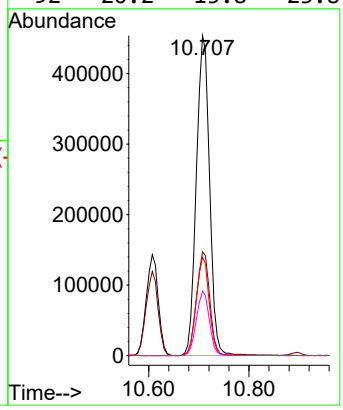


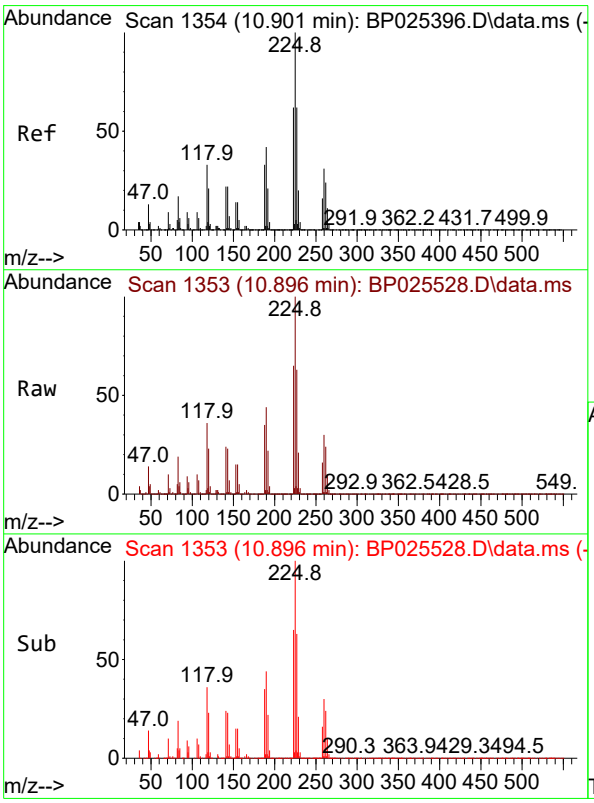
#33
4-Chloroaniline
Concen: 40.477 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 829890

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	30.7	23.8	35.6
92	20.2	15.8	23.8

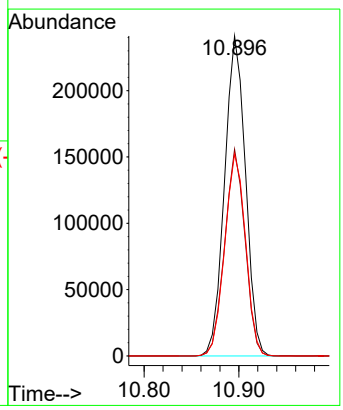


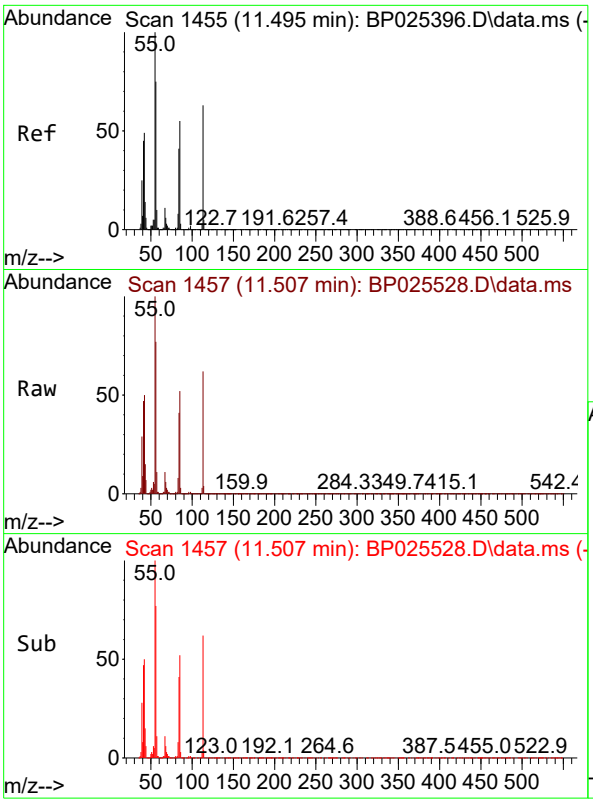


#34
Hexachlorobutadiene
Concen: 39.290 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:225 Resp: 371034

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.0	75.0
227	63.1	49.7	74.5



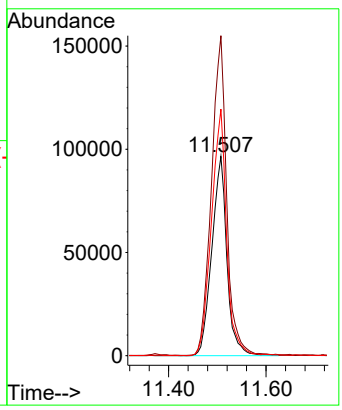


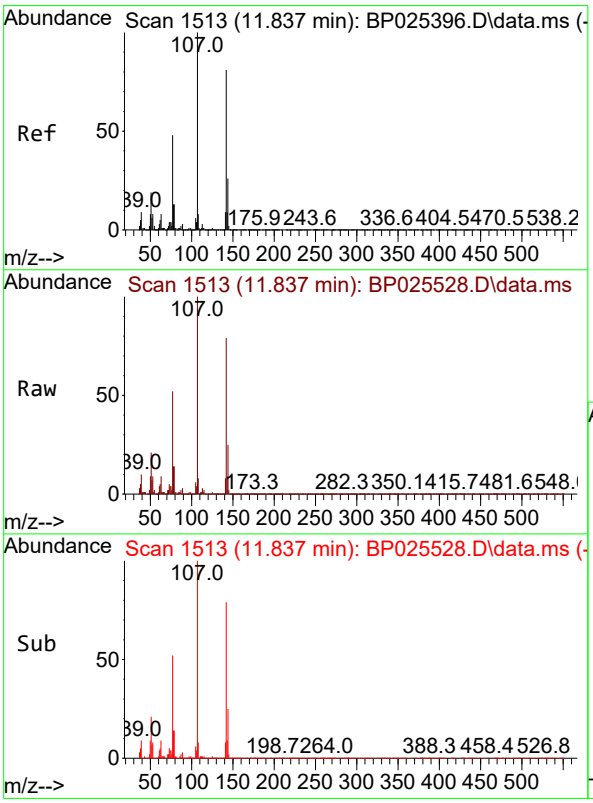
#35
Caprolactam
Concen: 40.851 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 207200

Ion	Ratio	Lower	Upper
113	100		
55	160.6	140.0	180.0
56	123.7	100.0	140.0

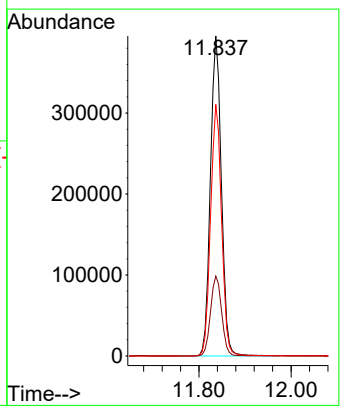


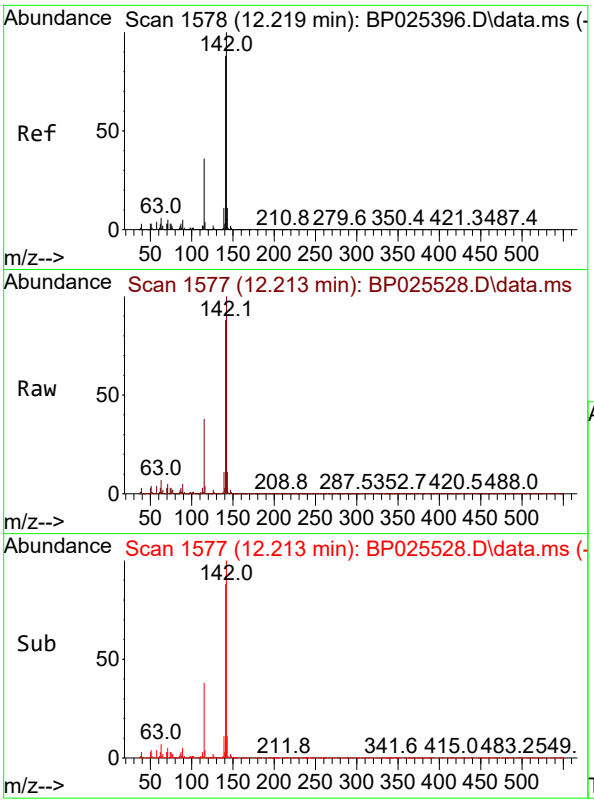


#36
4-Chloro-3-methylphenol
Concen: 41.225 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:107 Resp: 654337

Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.0	31.4
142	78.6	64.6	97.0



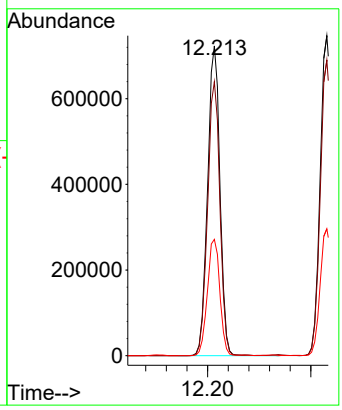


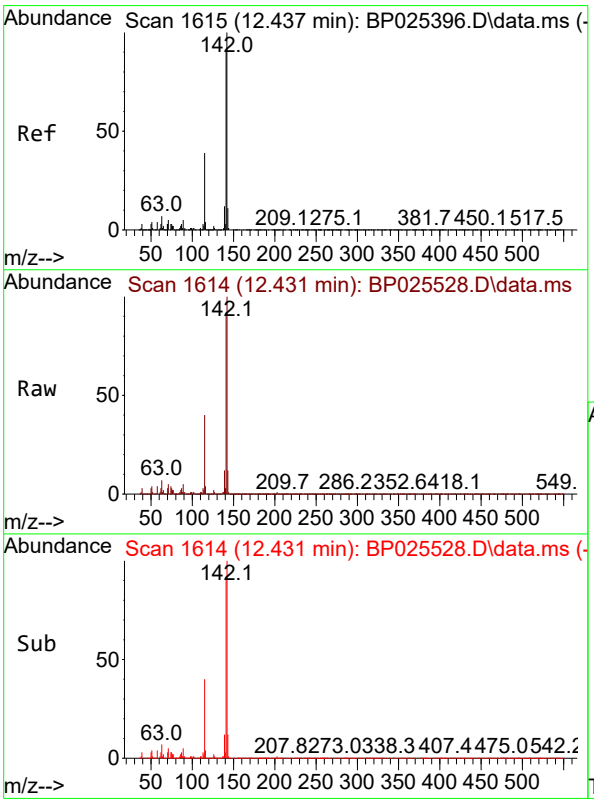
#37
2-Methylnaphthalene
Concen: 39.701 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1199198

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	37.6	28.9	43.3

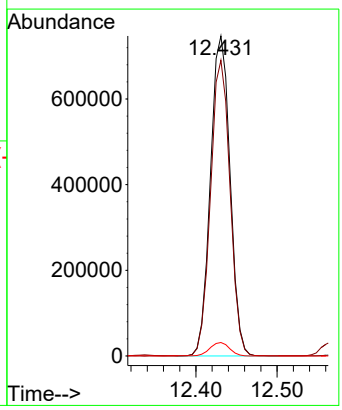


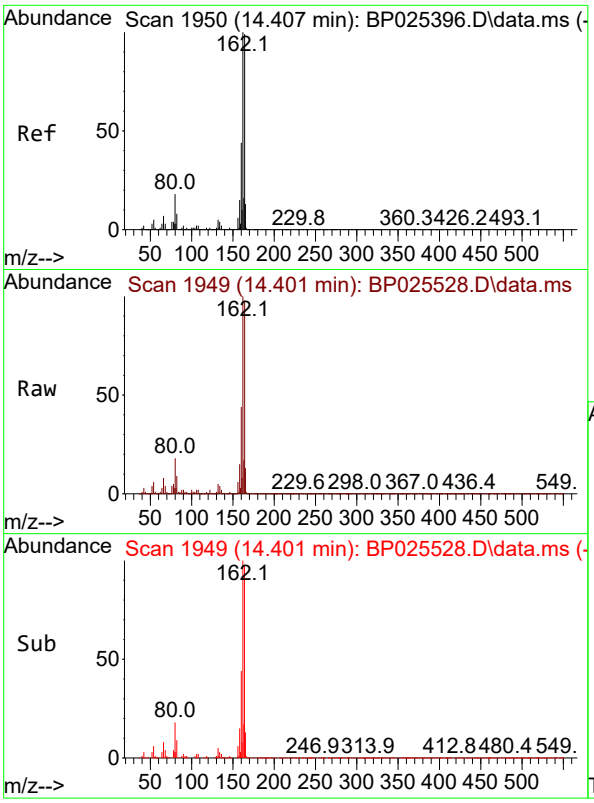


#38
1-Methylnaphthalene
Concen: 39.062 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:142 Resp: 1254785

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.1	109.7
116	4.2	3.2	4.8



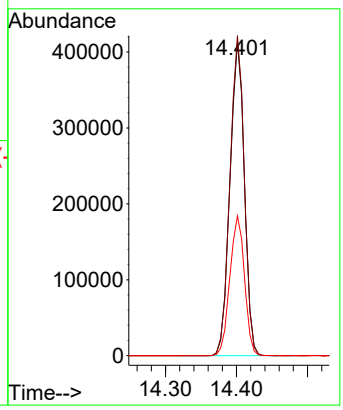


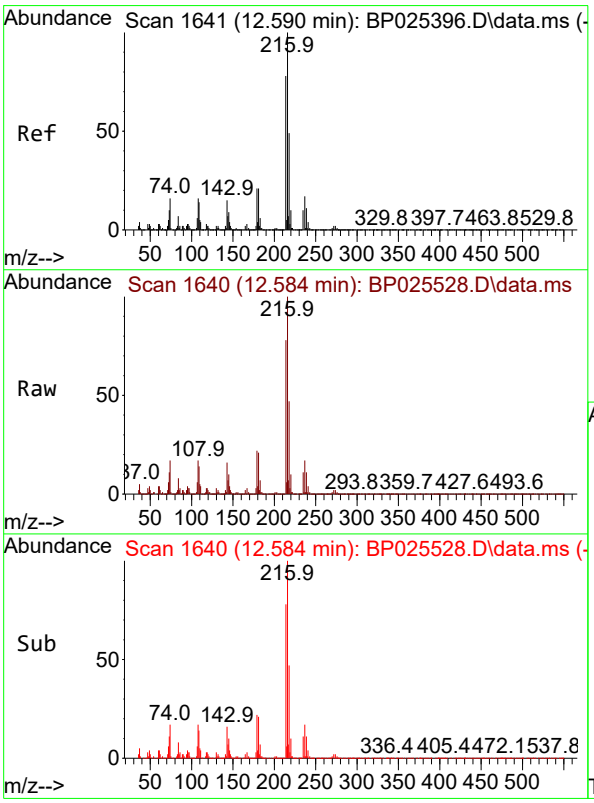
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 582847

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.0	121.6
160	44.4	35.4	53.2

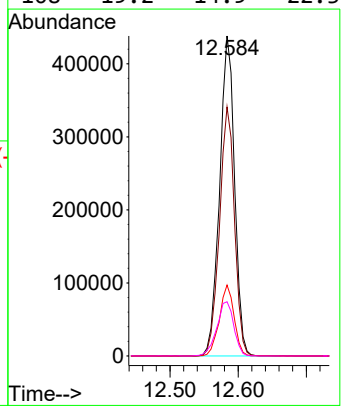


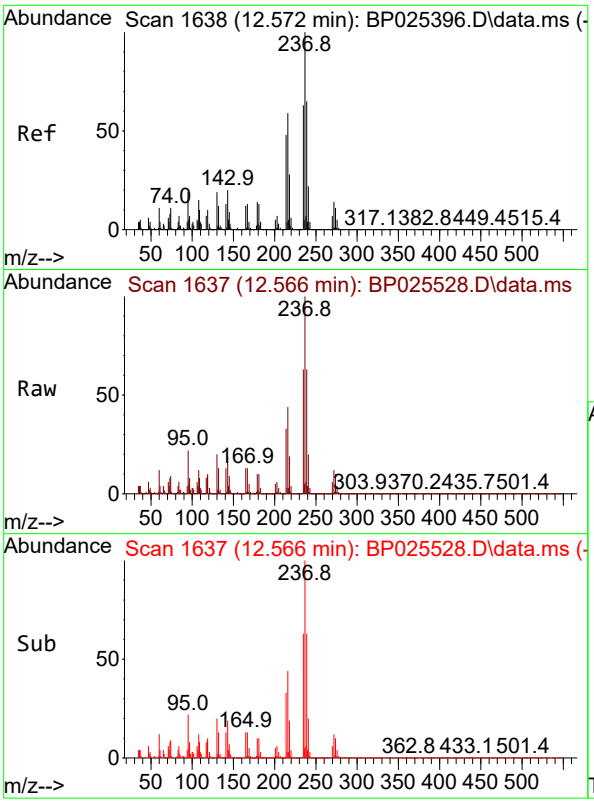


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.778 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:216 Resp: 669588

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.9	17.1	25.7
108	19.2	14.9	22.3



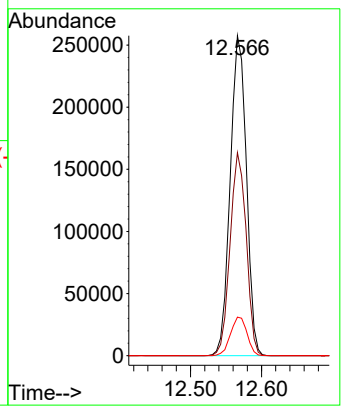


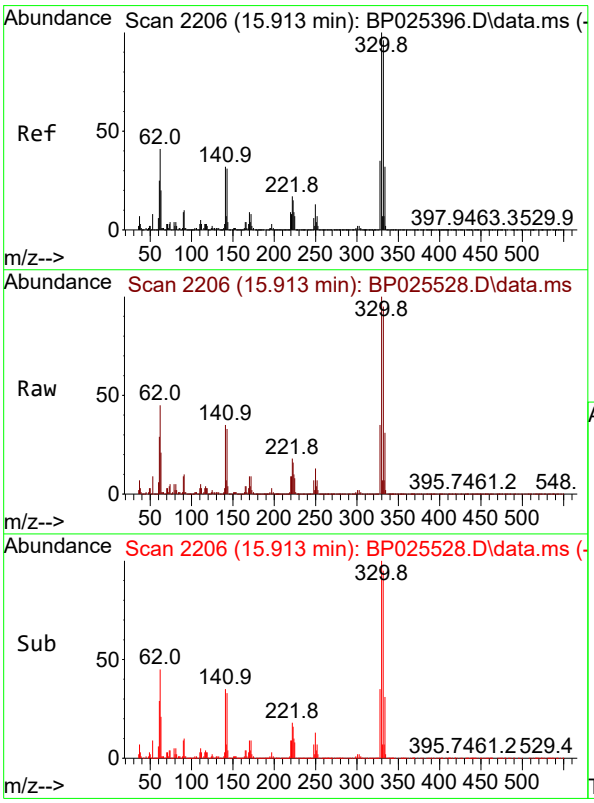
#41
Hexachlorocyclopentadiene
Concen: 40.117 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 407908

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.7	82.7
272	12.1	0.0	34.0

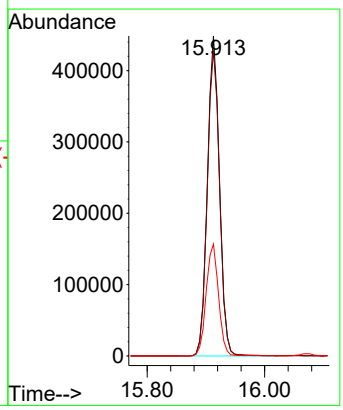


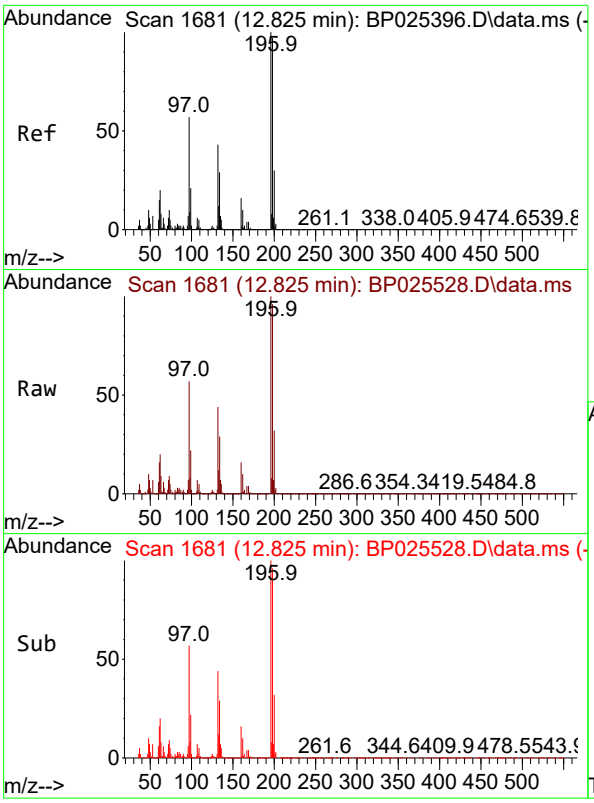


#42
2,4,6-Tribromophenol
Concen: 81.551 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:330 Resp: 639783

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	35.7	26.6	39.8



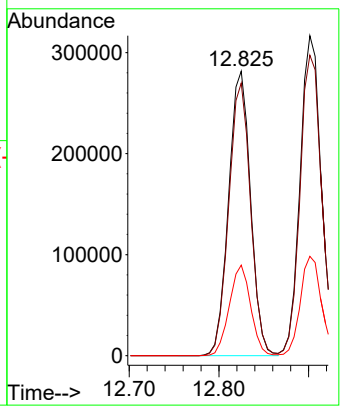


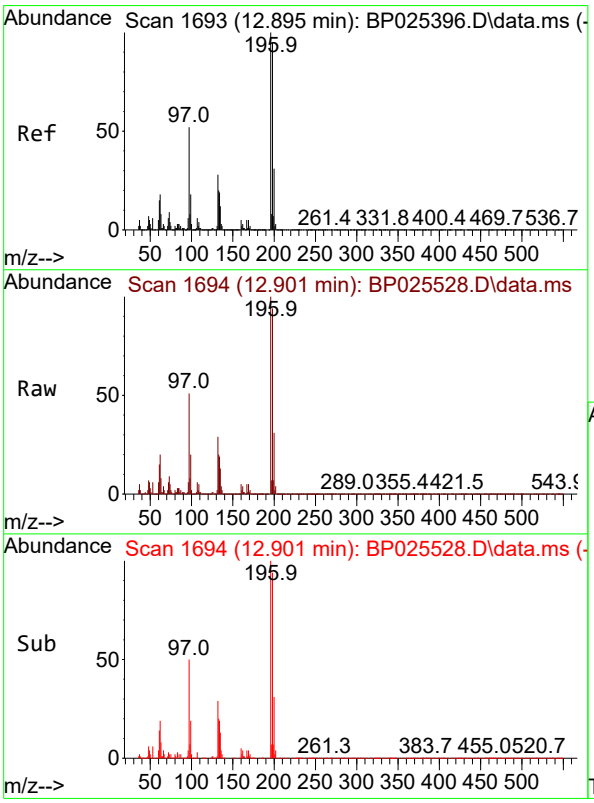
#43
2,4,6-Trichlorophenol
Concen: 42.093 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 478356

Ion	Ratio	Lower	Upper
196	100		
198	95.8	77.2	115.8
200	31.9	23.9	35.9

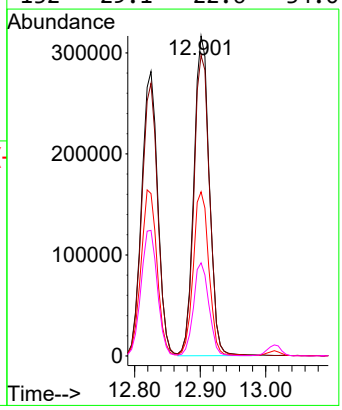


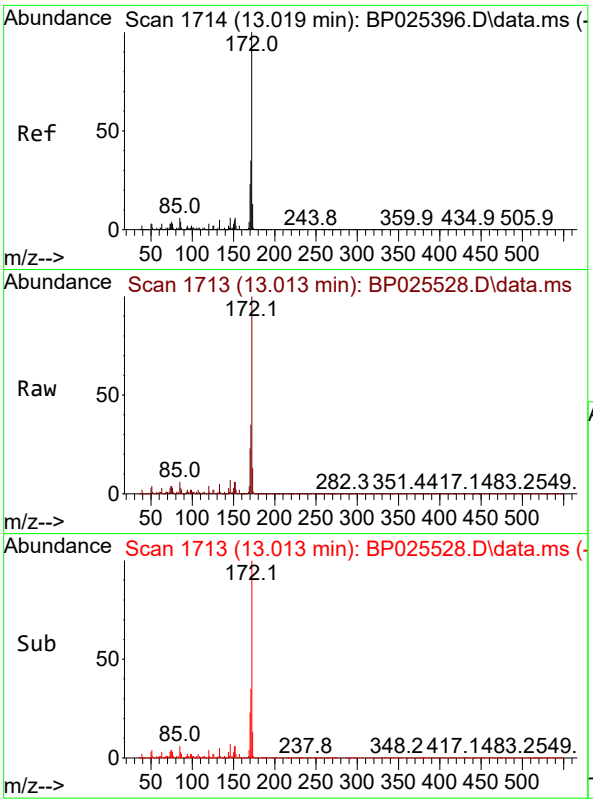


#44
2,4,5-Trichlorophenol
Concen: 41.781 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:196 Resp: 520387

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.2	114.2
97	51.3	41.2	61.8
132	29.1	22.6	34.0



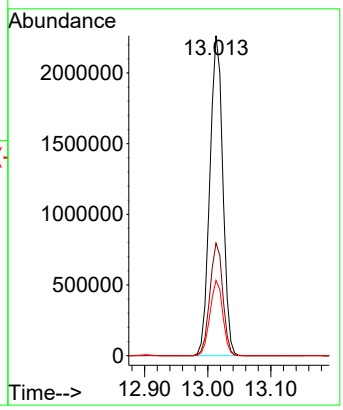


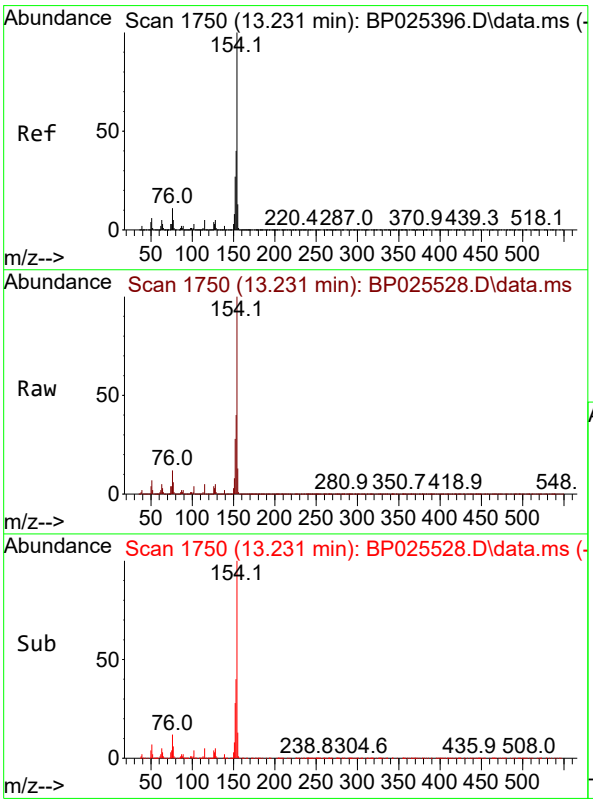
#45
2-Fluorobiphenyl
Concen: 75.599 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3224036

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.5	18.6	28.0

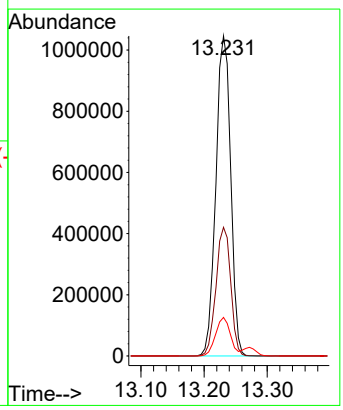


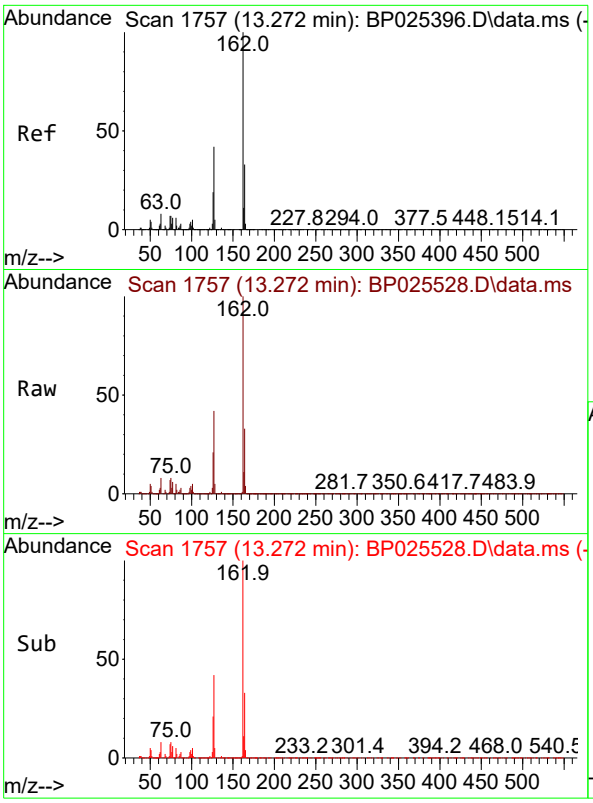


#46
1,1'-Biphenyl
Concen: 40.191 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:154 Resp: 1701266

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	12.0	0.0	31.1



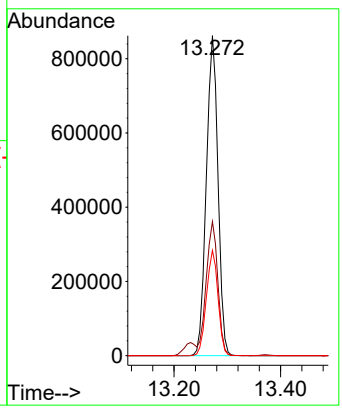


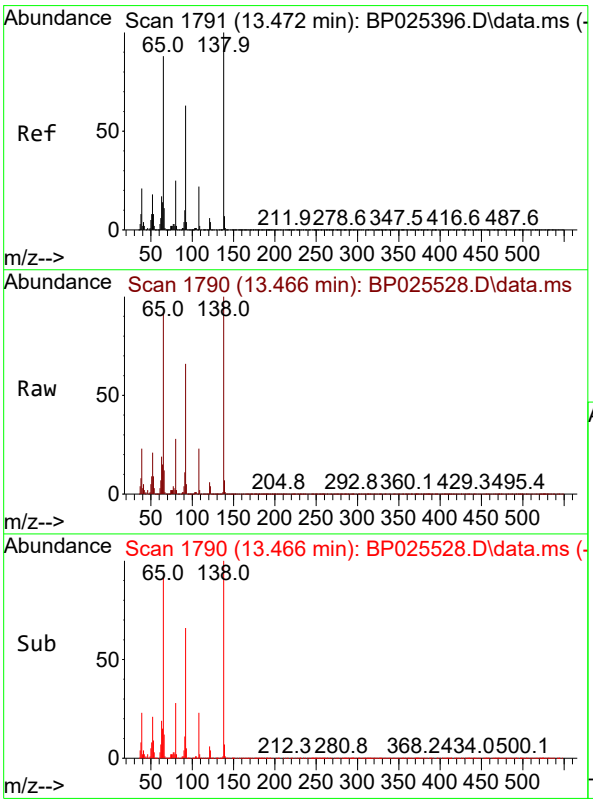
#47
2-Chloronaphthalene
Concen: 39.774 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1310696

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.4	50.2
164	32.9	26.2	39.2

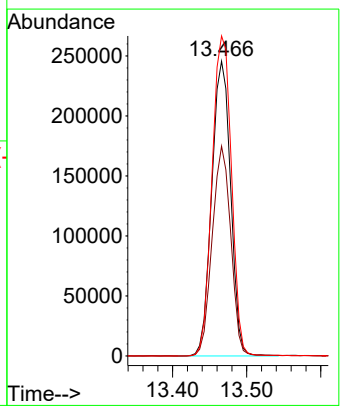


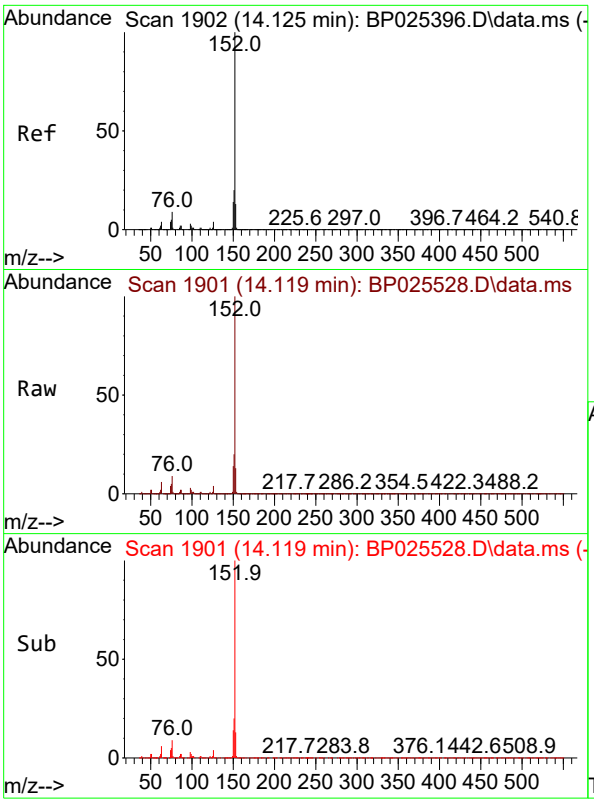


#48
2-Nitroaniline
Concen: 45.353 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion: 65 Resp: 435470

Ion	Ratio	Lower	Upper
65	100		
92	71.2	57.6	86.4
138	108.5	91.0	136.6



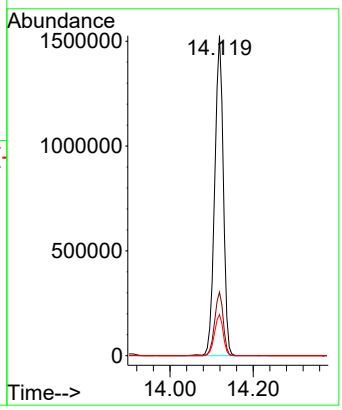


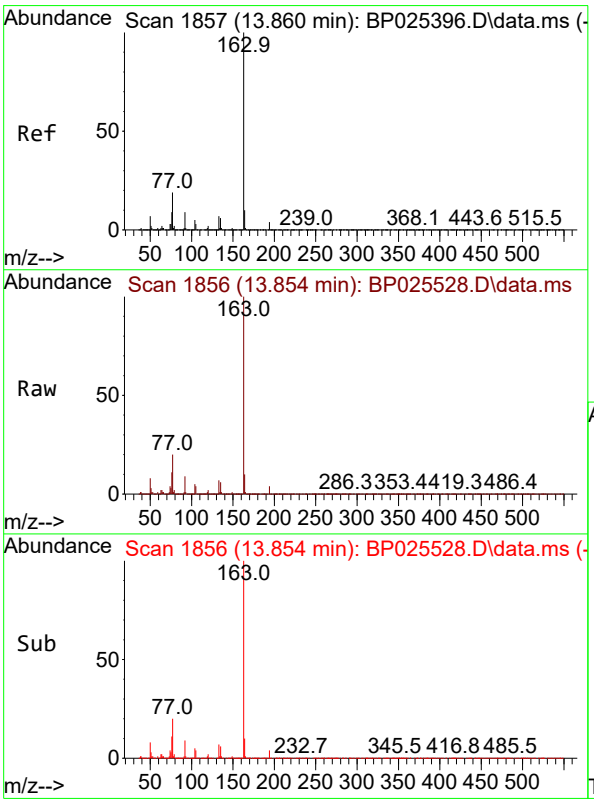
#49
Acenaphthylene
Concen: 39.943 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2178041

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.9	10.6	15.8

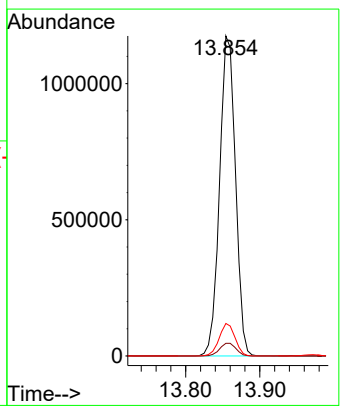


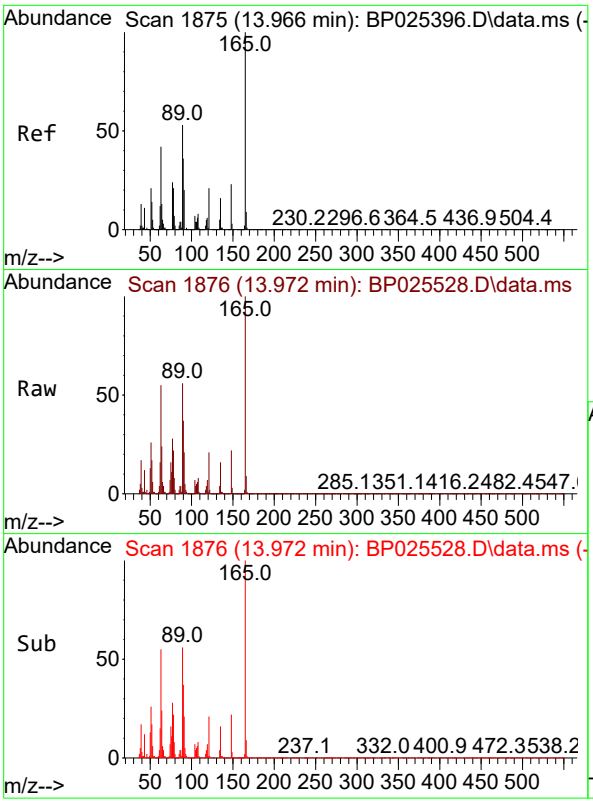


#50
Dimethylphthalate
Concen: 41.027 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:163 Resp: 1751072

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.1	7.9	11.9



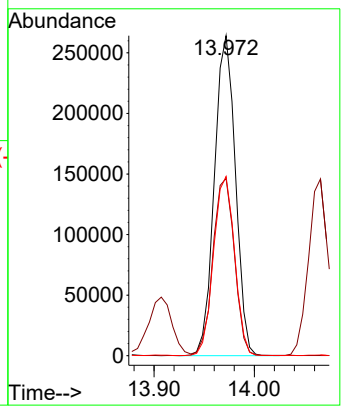


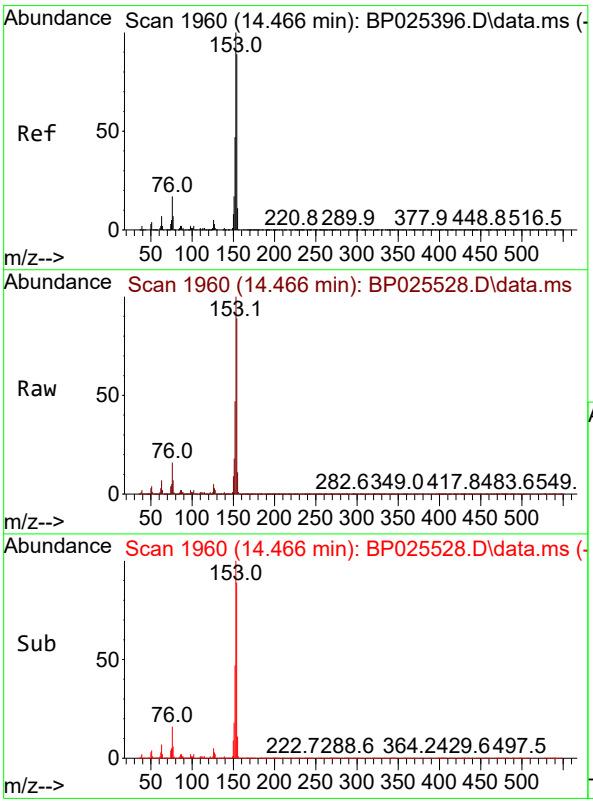
#51
2,6-Dinitrotoluene
Concen: 42.738 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 384470

Ion	Ratio	Lower	Upper
165	100		
63	55.4	40.9	61.3
89	56.0	42.1	63.1

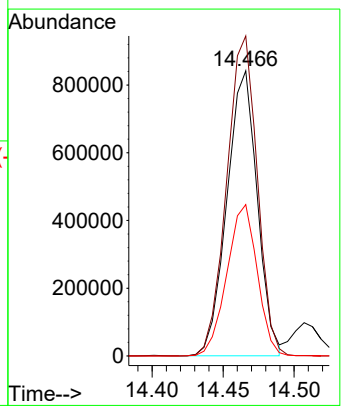


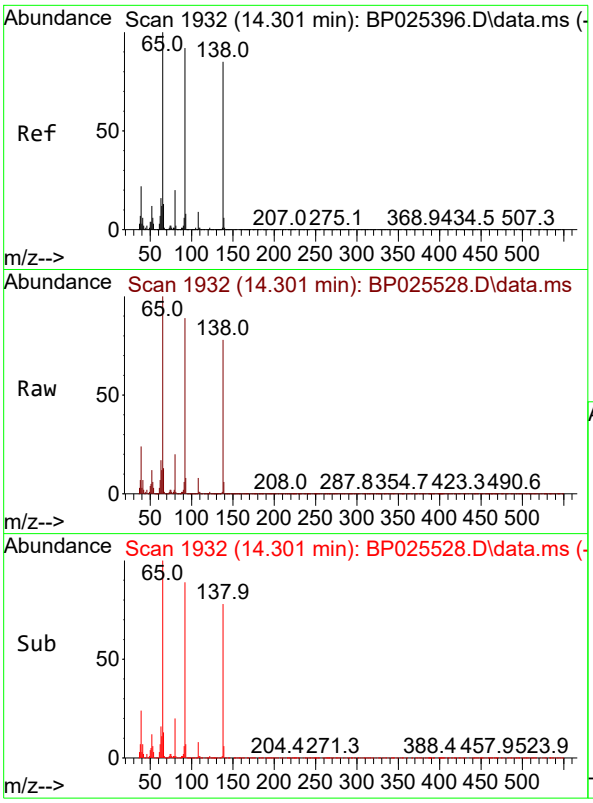


#52
Acenaphthene
Concen: 39.164 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:154 Resp: 1253527

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.2	135.2
152	53.1	42.1	63.1



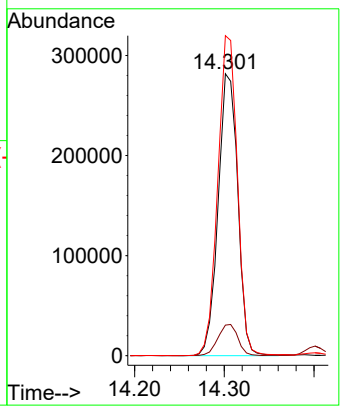


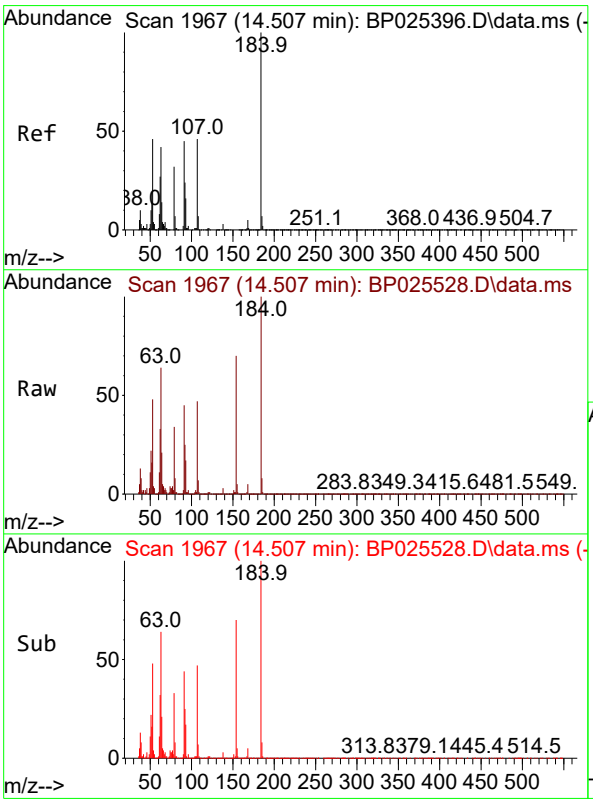
#53
3-Nitroaniline
Concen: 42.321 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 428348

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.3	12.5
92	113.5	86.2	129.2

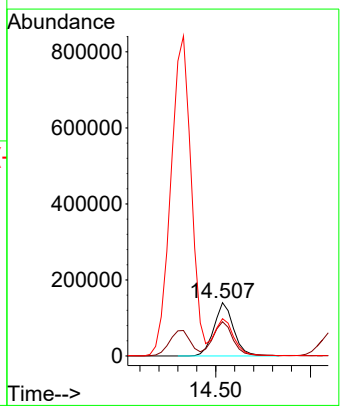


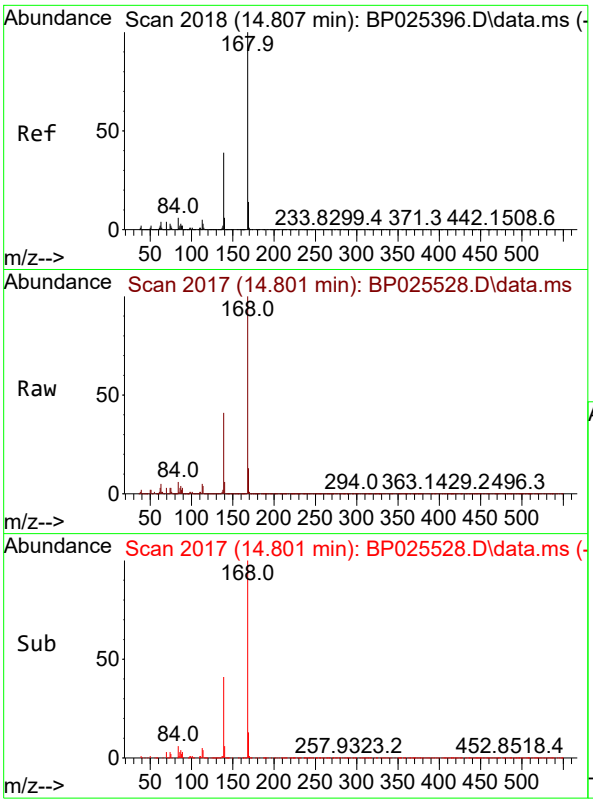


#54
2,4-Dinitrophenol
Concen: 42.191 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:184 Resp: 202691

Ion	Ratio	Lower	Upper
184	100		
63	64.3	49.4	74.2
154	70.0	54.6	82.0



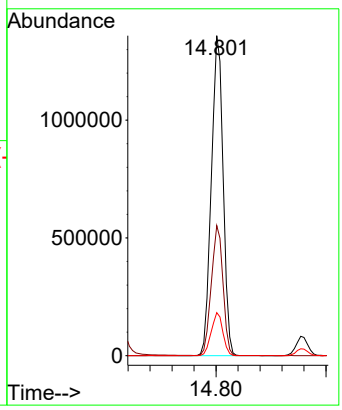


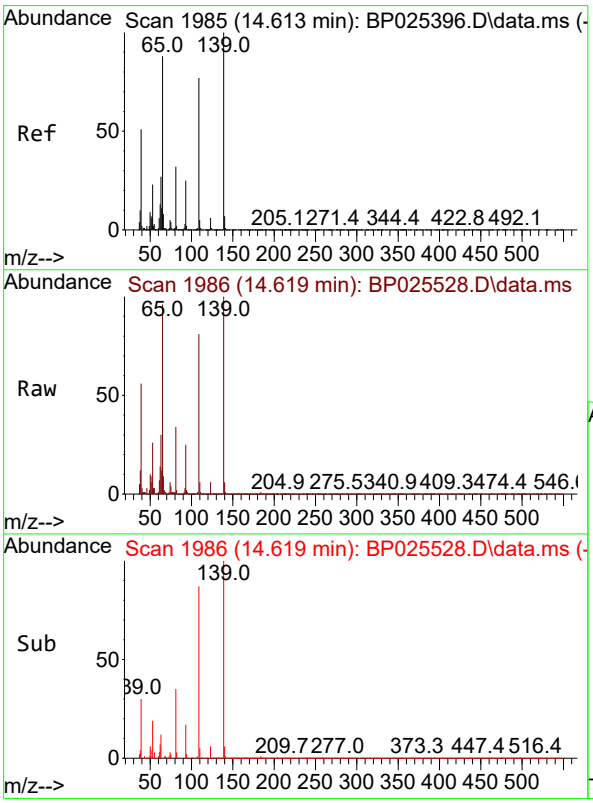
#55
Dibenzofuran
Concen: 39.925 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2020338

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.5	47.3
169	13.4	10.9	16.3

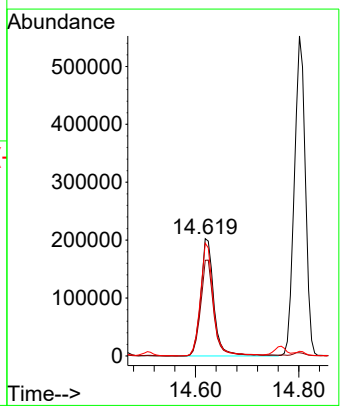


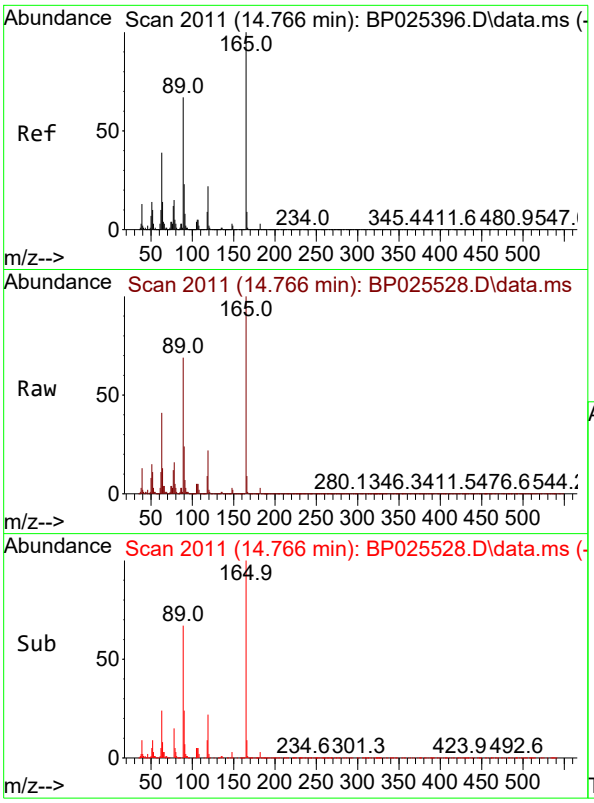


#56
4-Nitrophenol
Concen: 43.033 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:139 Resp: 357906

Ion	Ratio	Lower	Upper
139	100		
109	81.5	56.6	96.6
65	96.1	68.2	108.2



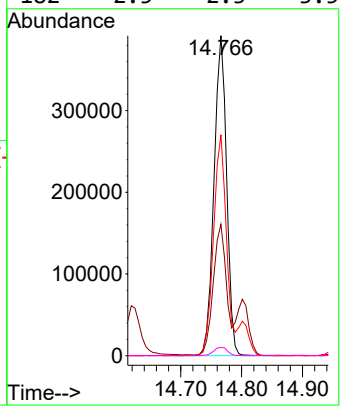


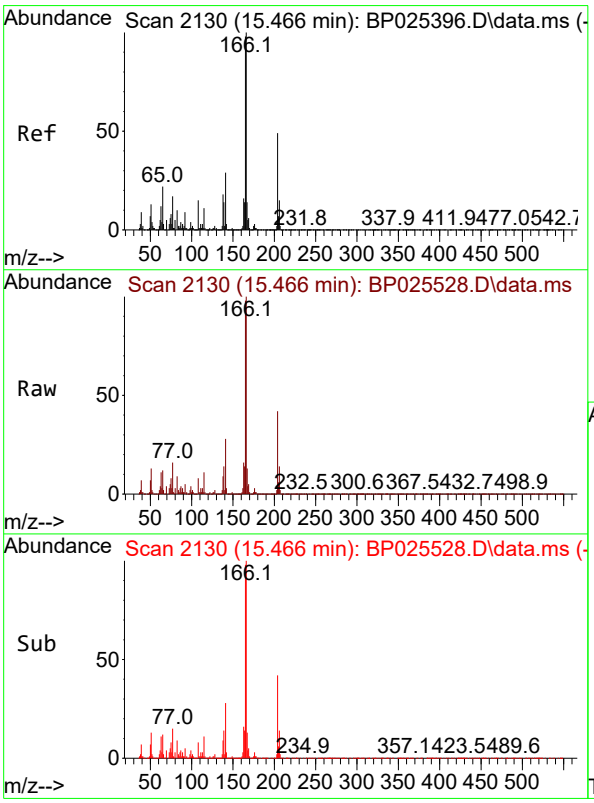
#57
2,4-Dinitrotoluene
Concen: 43.783 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 561949

Ion	Ratio	Lower	Upper
165	100		
63	41.0	31.4	47.2
89	69.0	53.3	79.9
182	2.5	2.3	3.5

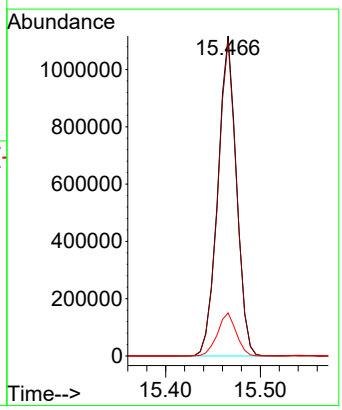


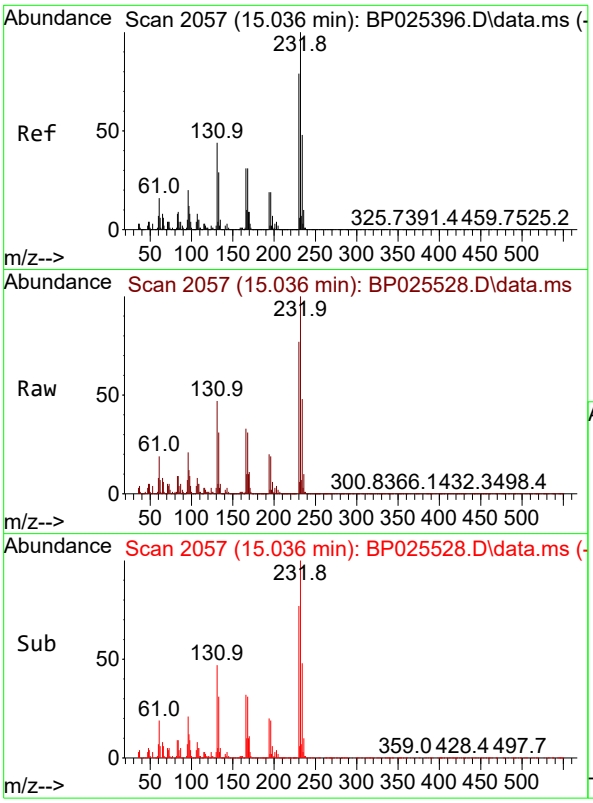


#58
Fluorene
Concen: 38.298 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:166 Resp: 1529223

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.4	11.0	16.4



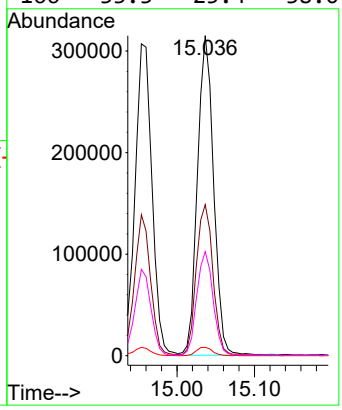


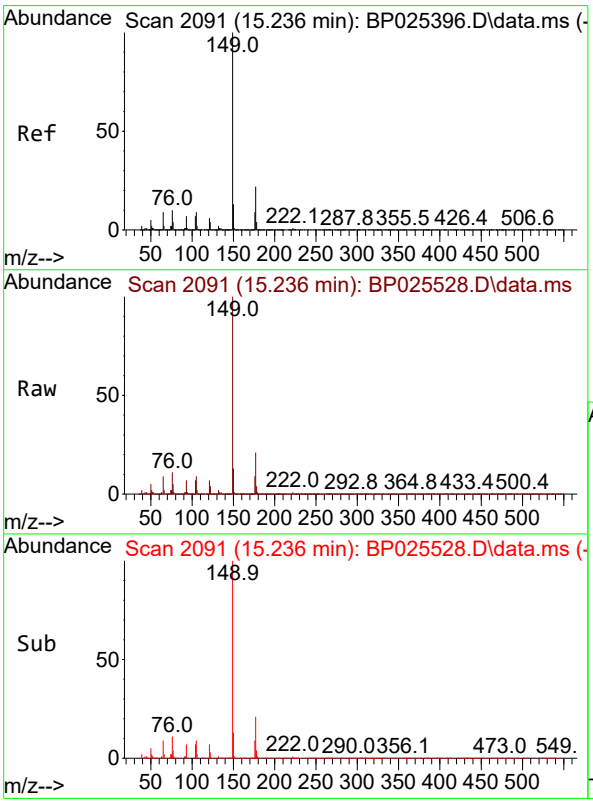
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.403 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 455330

Ion	Ratio	Lower	Upper
232	100		
131	48.9	37.0	55.6
130	2.7	1.9	2.9
166	33.3	25.4	38.0

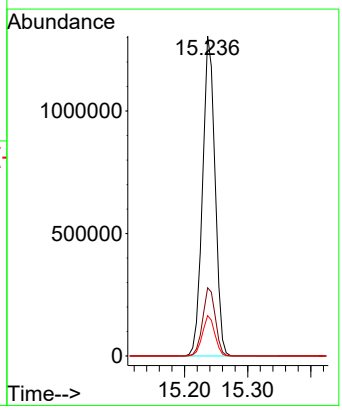


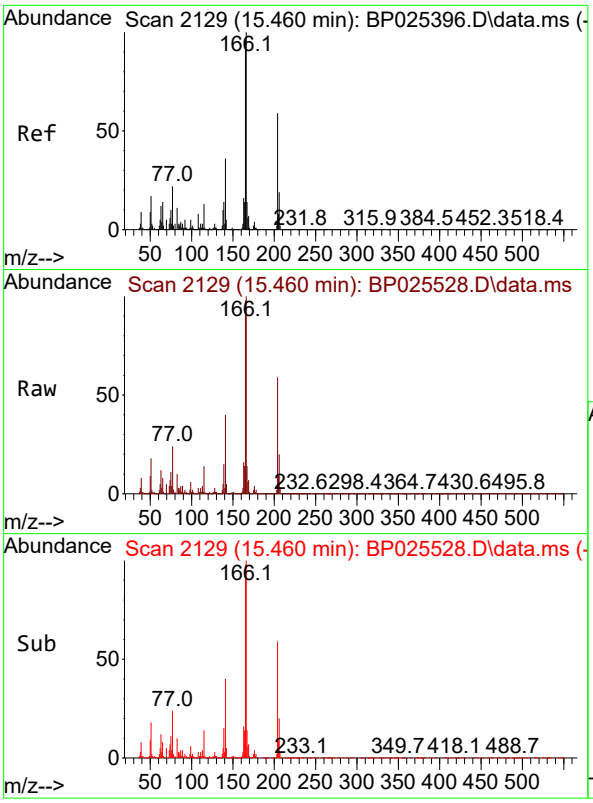


#60
Diethylphthalate
Concen: 41.343 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:149 Resp: 1793007

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.6	10.3	15.5



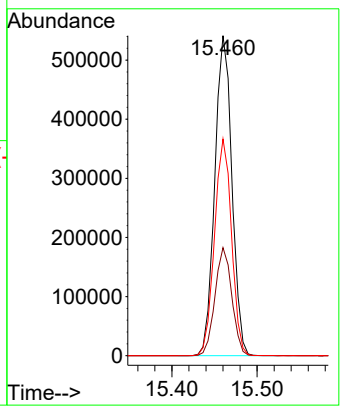


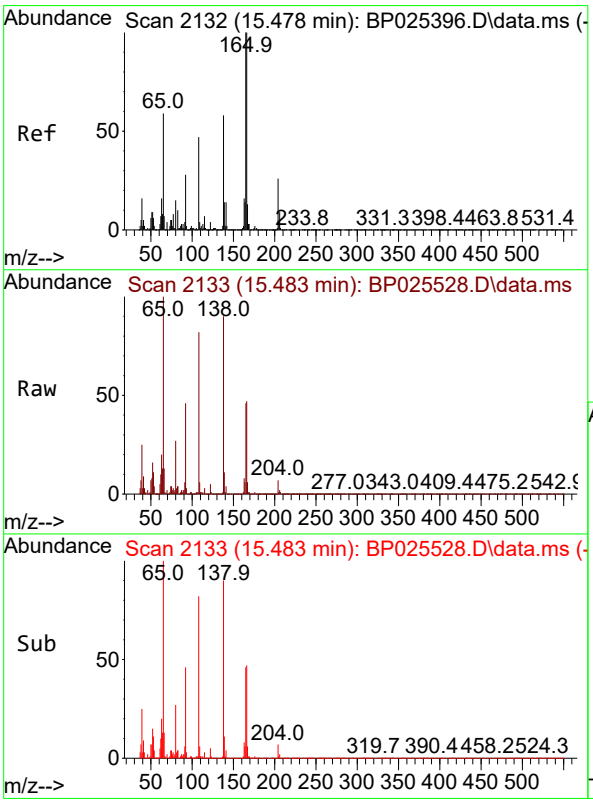
#61
4-Chlorophenyl-phenylether
Concen: 38.031 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 755243

Ion	Ratio	Lower	Upper
204	100		
206	33.7	25.8	38.8
141	67.7	49.4	74.2

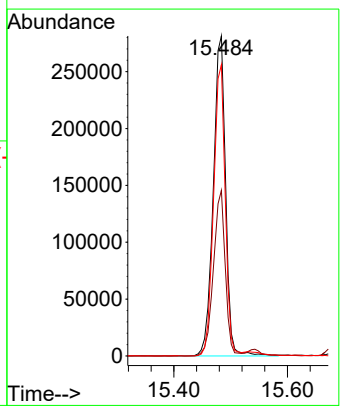


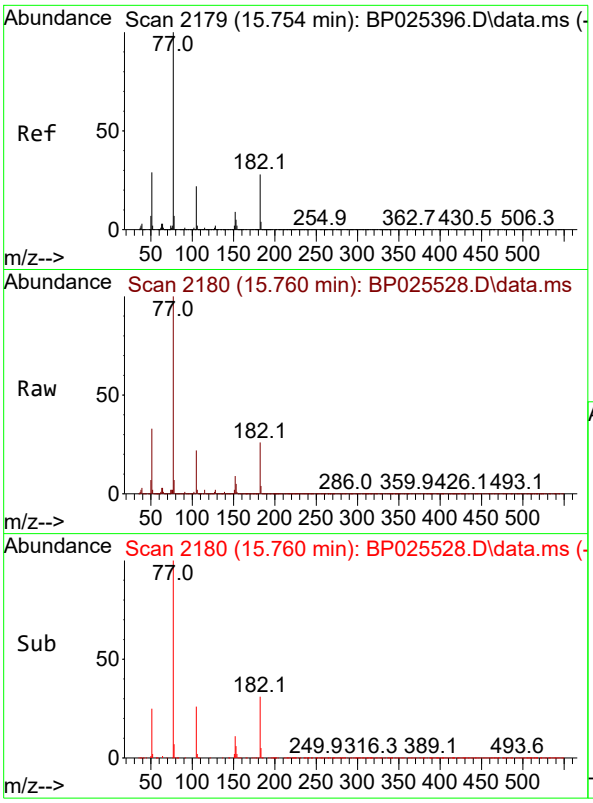


#62
4-Nitroaniline
Concen: 40.733 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:138 Resp: 422646

Ion	Ratio	Lower	Upper
138	100		
92	51.7	29.1	69.1
108	91.0	61.5	101.5



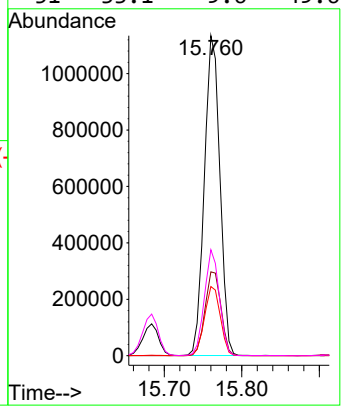


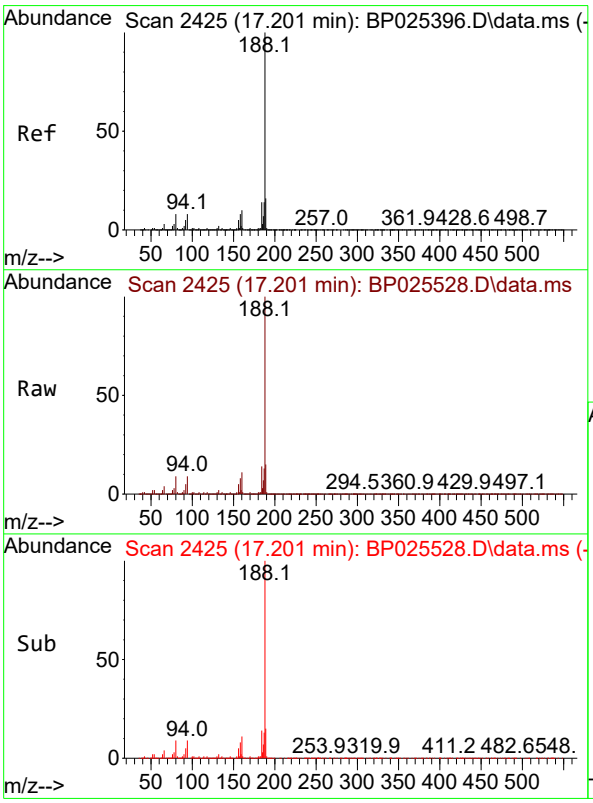
#63
Azobenzene
Concen: 42.575 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1581016

Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.5	47.5
105	21.6	2.1	42.1
51	33.1	9.6	49.6

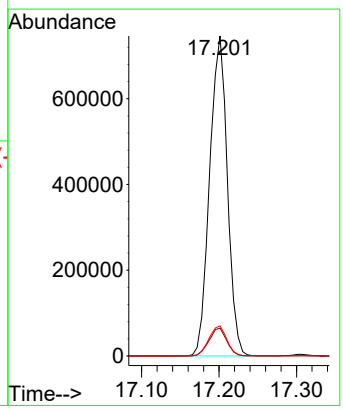


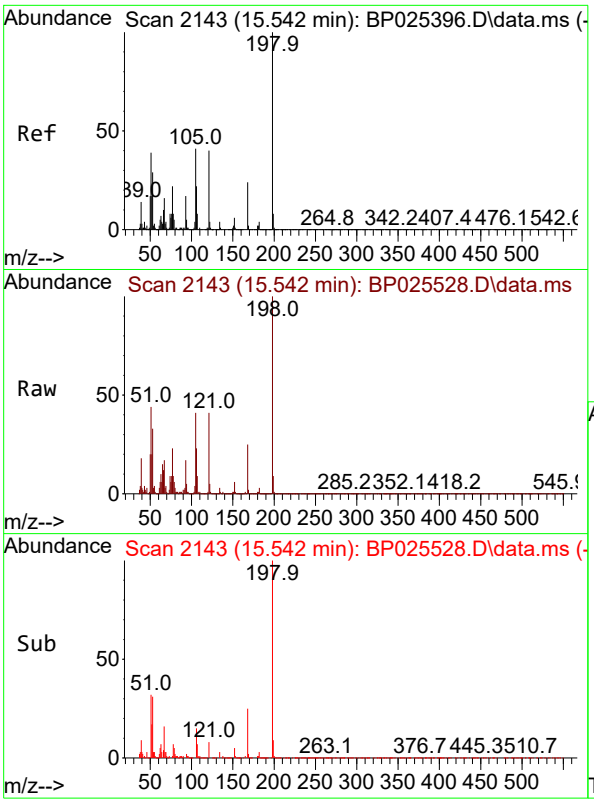


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:188 Resp: 1185139

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	6.7	10.1



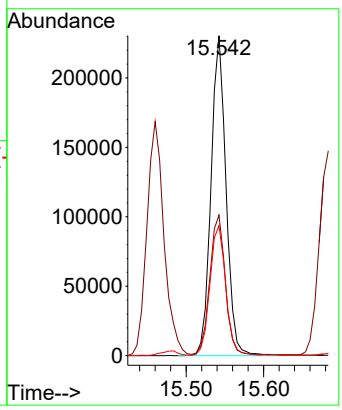


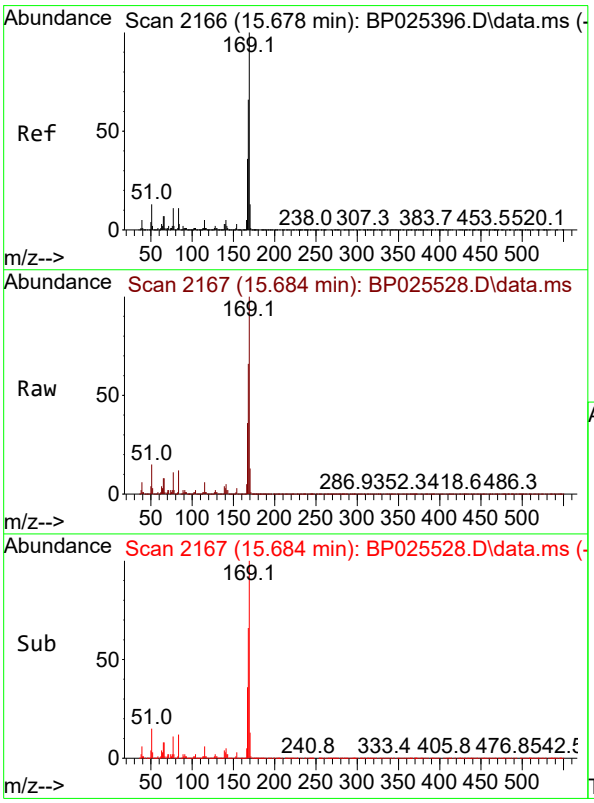
#65
4,6-Dinitro-2-methylphenol
Concen: 42.114 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 311124

Ion	Ratio	Lower	Upper
198	100		
51	43.9	19.6	59.6
105	40.6	20.9	60.9

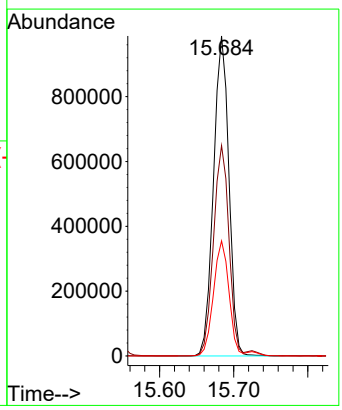


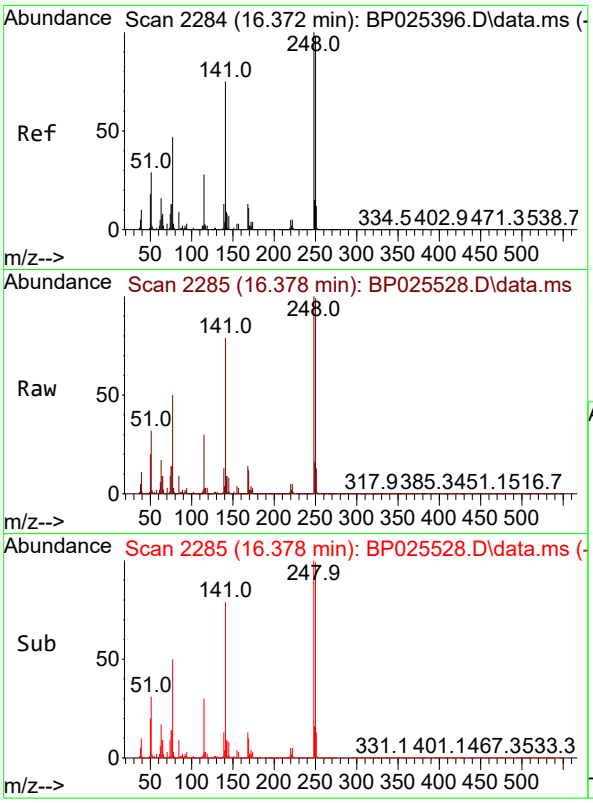


#66
n-Nitrosodiphenylamine
Concen: 39.423 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:169 Resp: 1424731

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	36.0	28.7	43.1



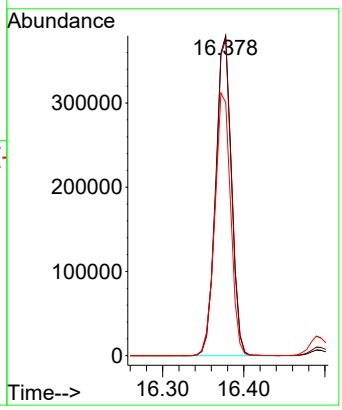


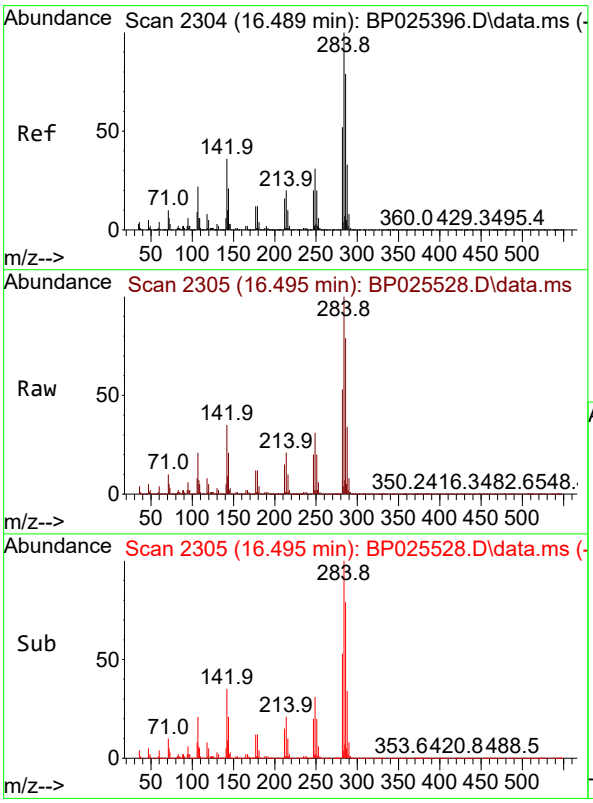
#67
4-Bromophenyl-phenylether
Concen: 39.453 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 514245

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.2	117.2
141	79.1	59.6	89.4

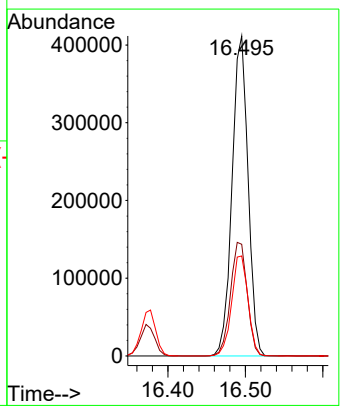


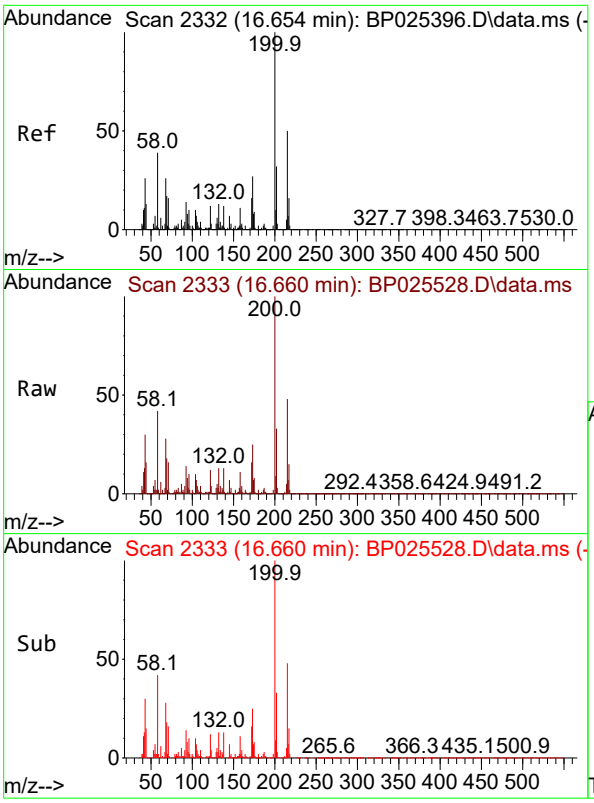


#68
Hexachlorobenzene
Concen: 39.143 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:284 Resp: 591430

Ion	Ratio	Lower	Upper
284	100		
142	34.9	29.1	43.7
249	31.2	25.0	37.4



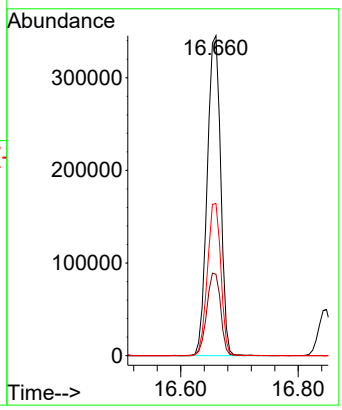


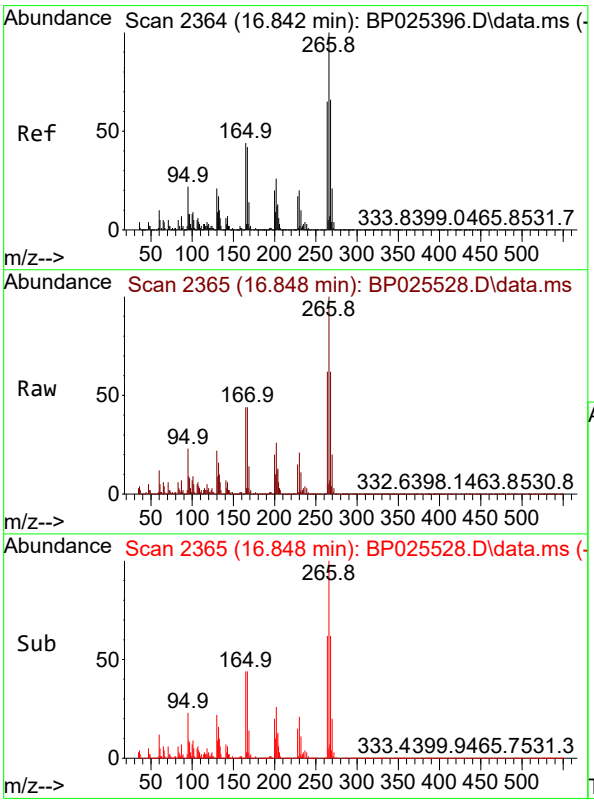
#69
Atrazine
Concen: 40.478 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 547846

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.7	46.7
215	47.5	29.7	69.7

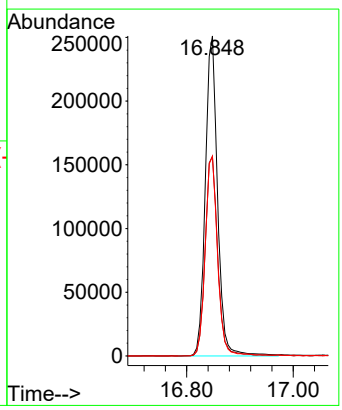


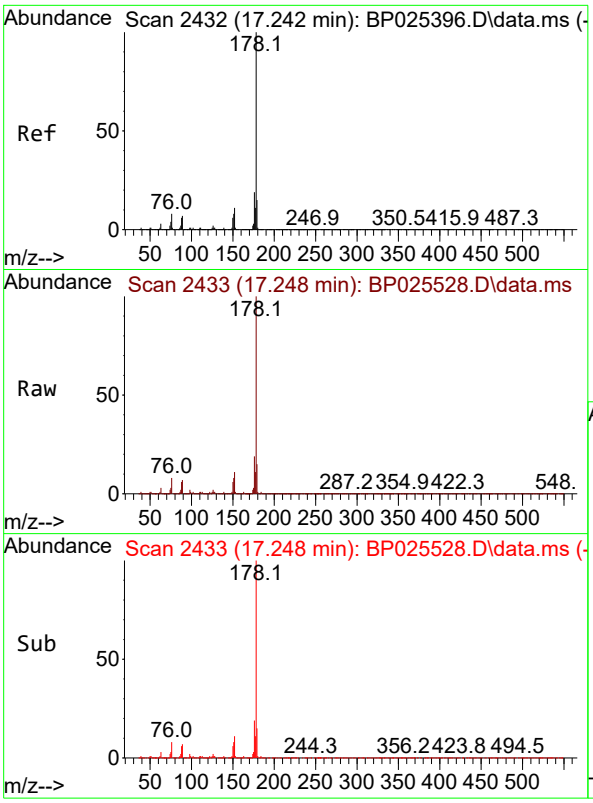


#70
Pentachlorophenol
Concen: 42.093 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:266 Resp: 401483

Ion	Ratio	Lower	Upper
266	100		
268	62.3	52.6	79.0
264	62.4	52.0	78.0



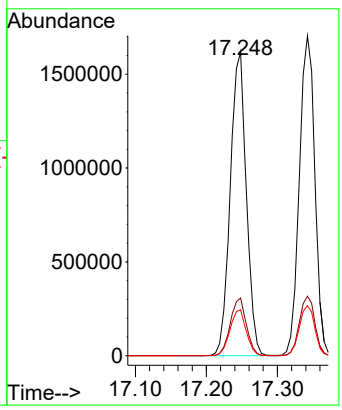


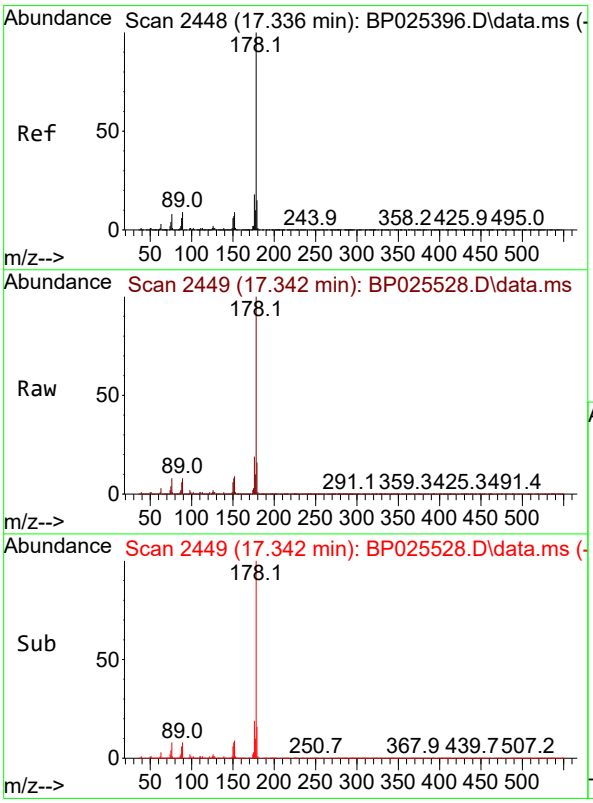
#71
Phenanthrene
Concen: 39.098 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2545441

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.1	12.2	18.4

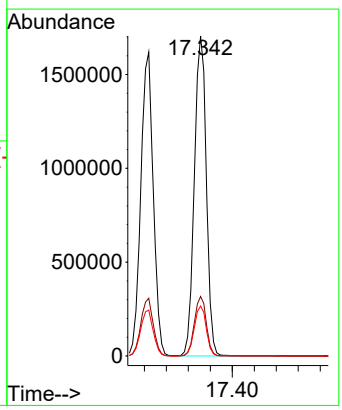


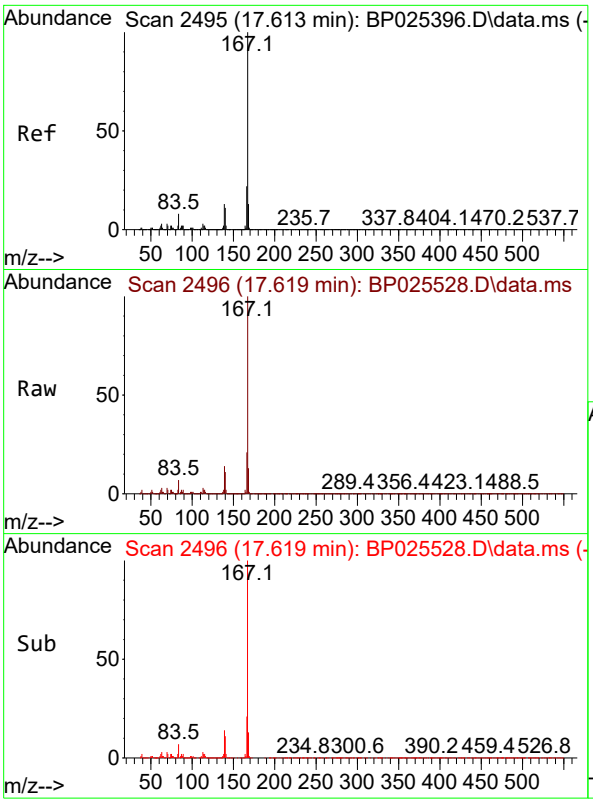


#72
Anthracene
Concen: 38.766 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:178 Resp: 2577328

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.6	12.2	18.2



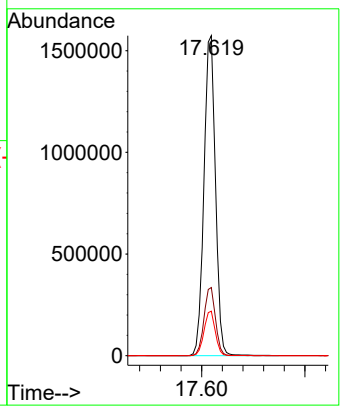


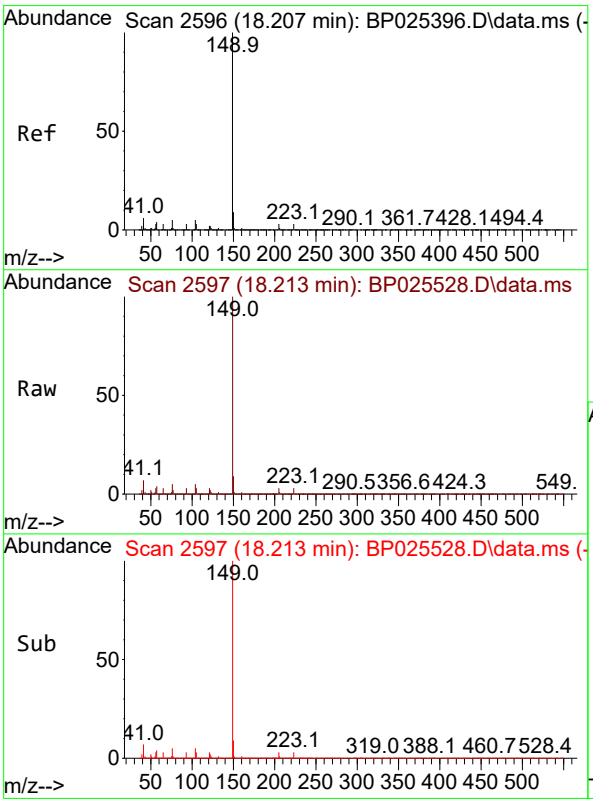
#73
Carbazole
Concen: 38.750 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2426628

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.9	10.6	16.0

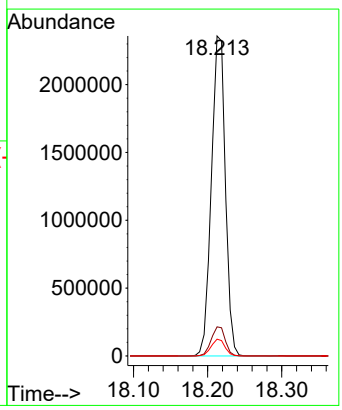


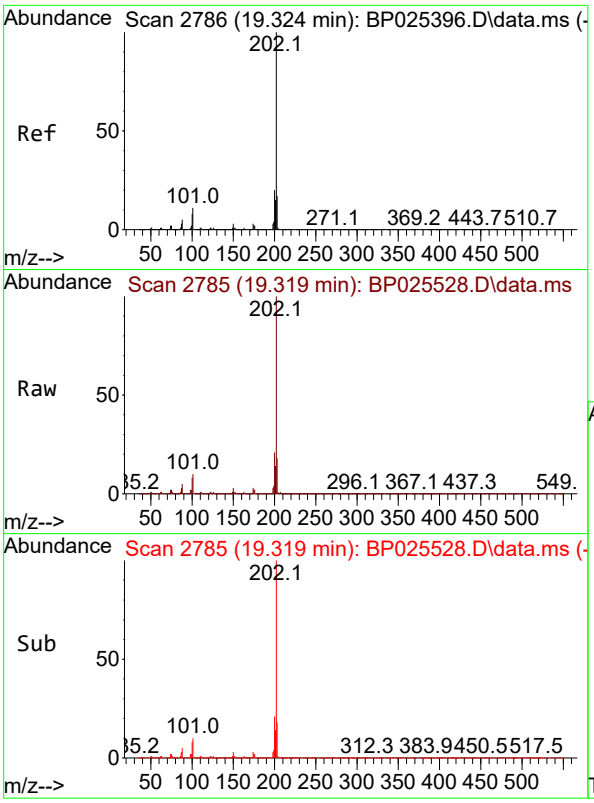


#74
Di-n-butylphthalate
Concen: 40.043 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:149 Resp: 3085121

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



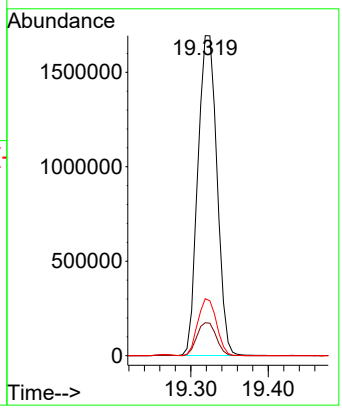


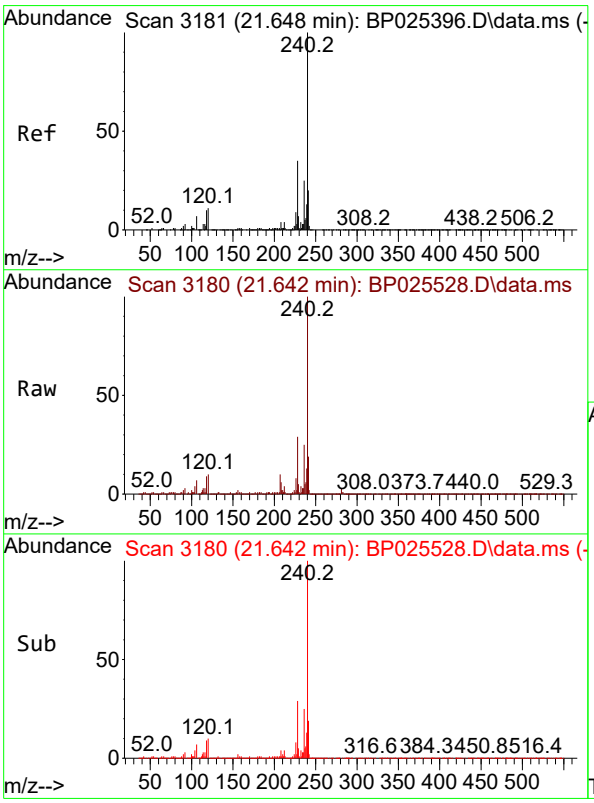
#75
Fluoranthene
Concen: 37.289 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2895789

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.8	0.0	37.3

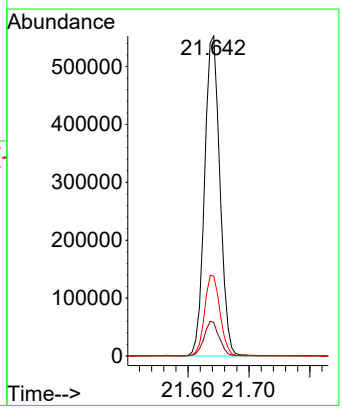


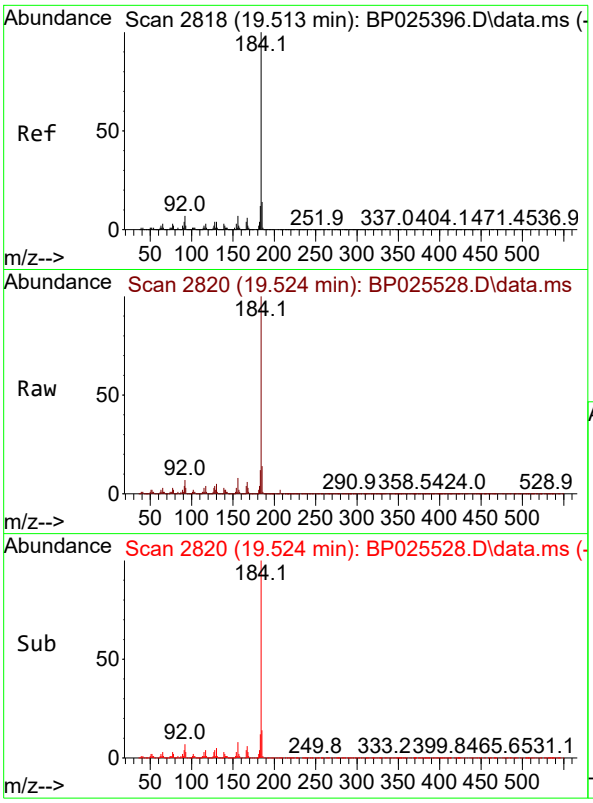


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:240 Resp: 966898

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.0	19.8	29.8



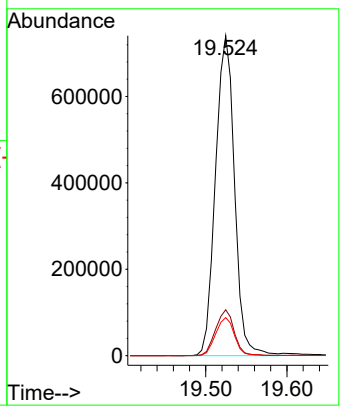


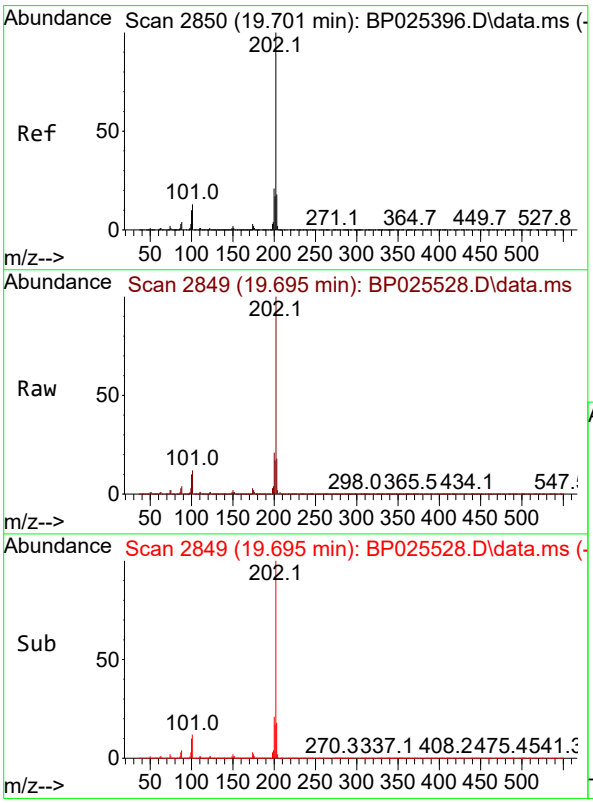
#77
Benzidine
Concen: 36.563 ng
RT: 19.524 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1206527

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	11.9	9.4	14.2

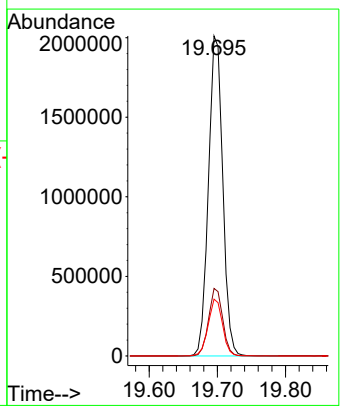


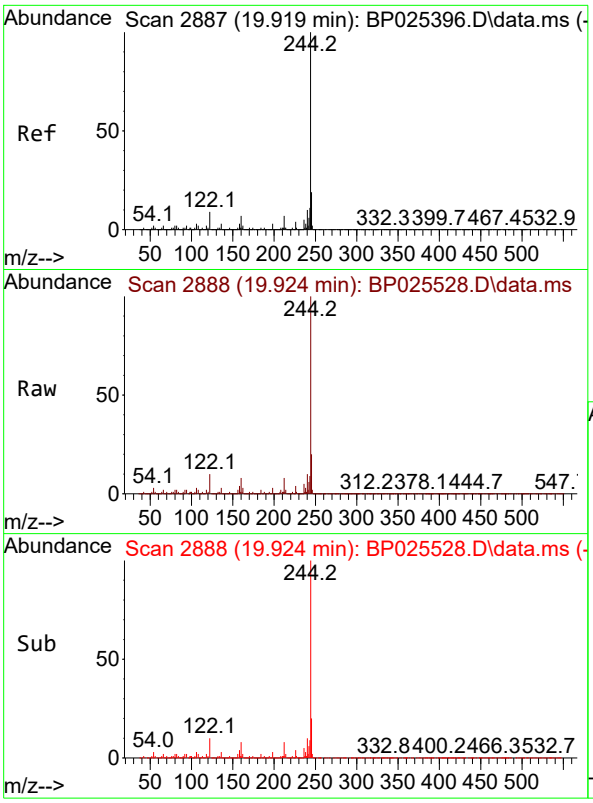


#78
Pyrene
Concen: 46.678 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:202 Resp: 2933533

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.2	21.2



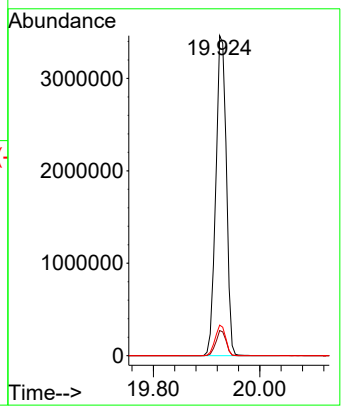


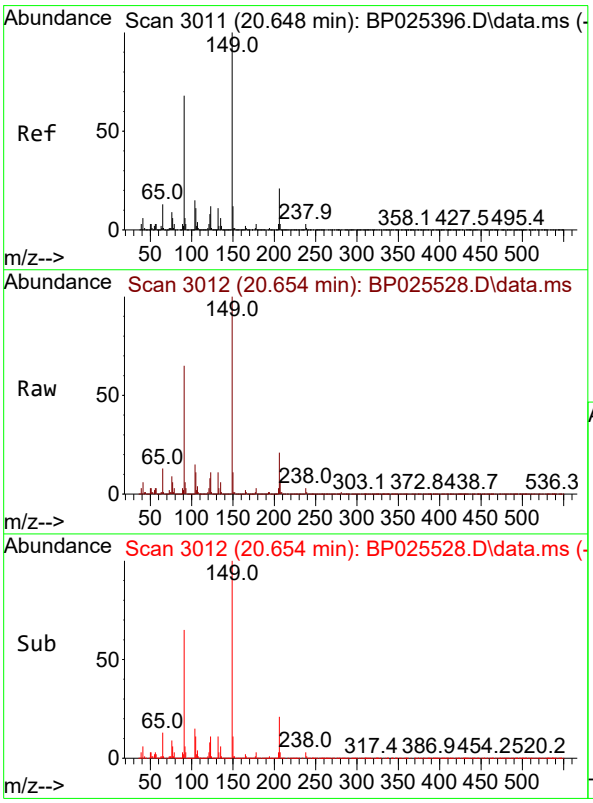
#79
Terphenyl-d14
Concen: 89.549 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 4732498

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.6
122	9.6	7.4	11.2

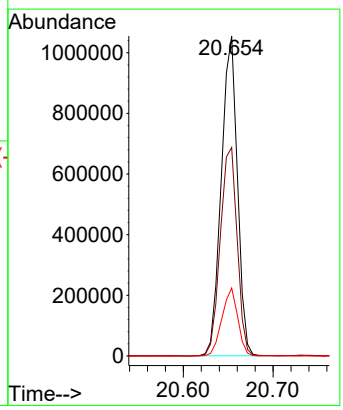


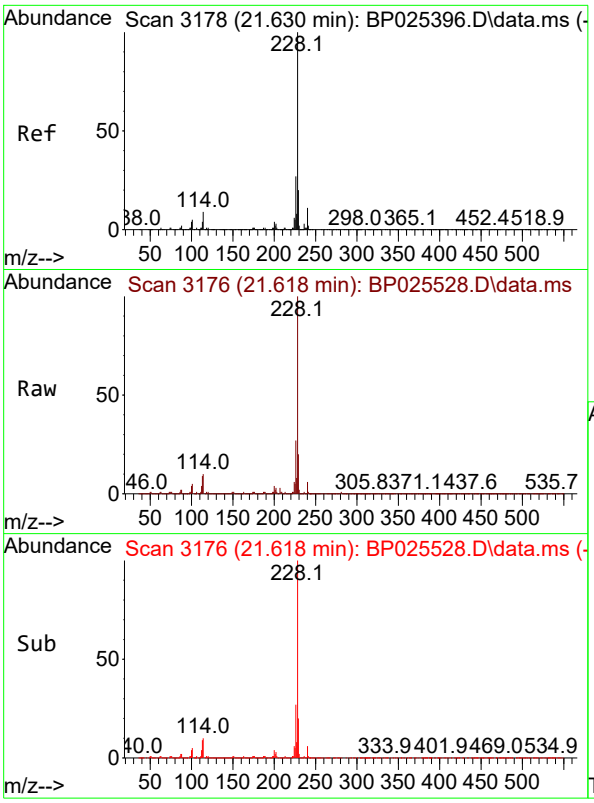


#80
Butylbenzylphthalate
Concen: 46.209 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:149 Resp: 1316128

Ion	Ratio	Lower	Upper
149	100		
91	65.1	54.2	81.2
206	21.2	16.6	24.8



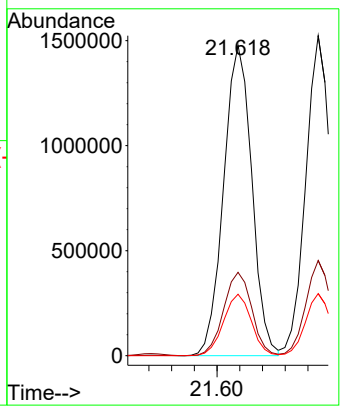


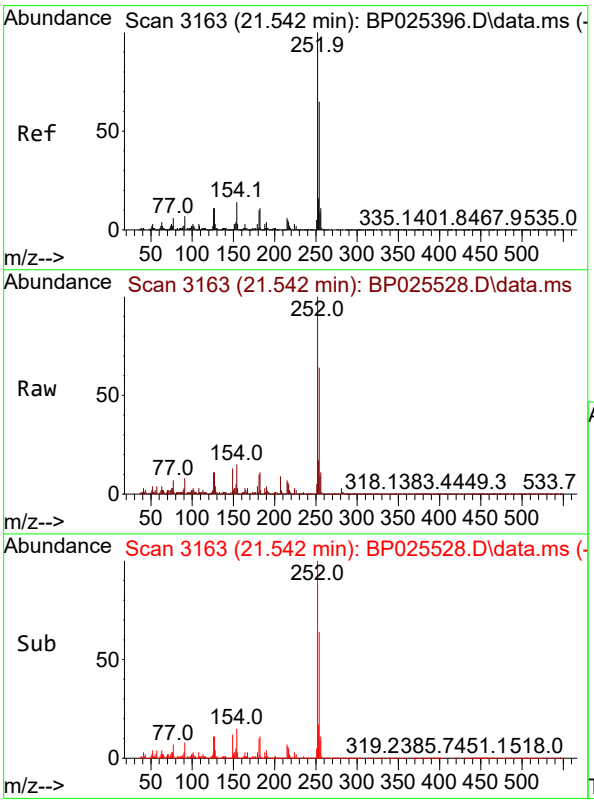
#81
Benzo(a)anthracene
Concen: 39.933 ng
RT: 21.618 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2546412

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.8	15.6	23.4

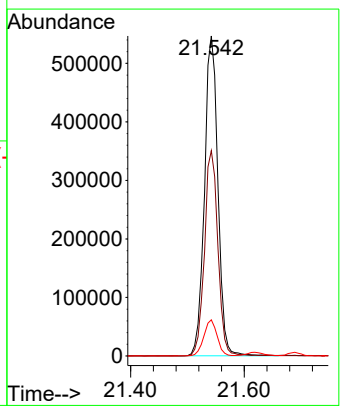


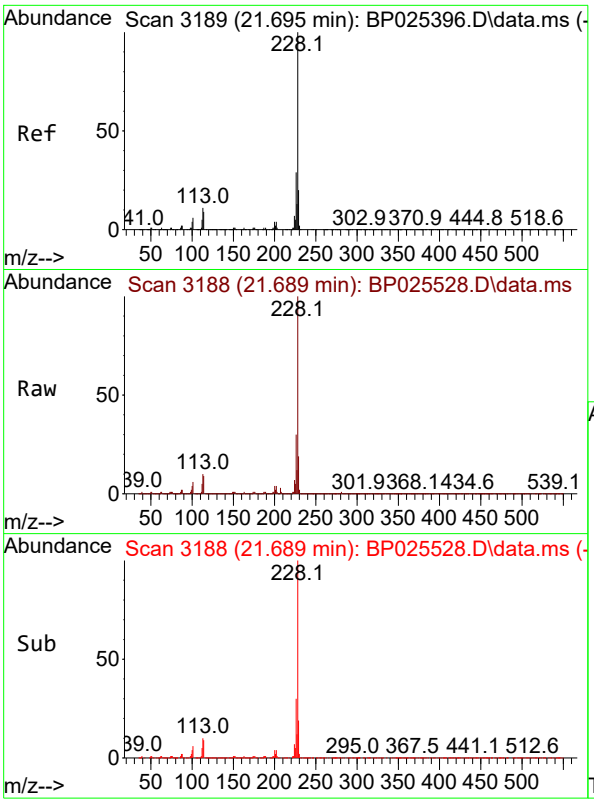


#82
3,3'-Dichlorobenzidine
Concen: 37.227 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:252 Resp: 894776

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	11.3	9.1	13.7



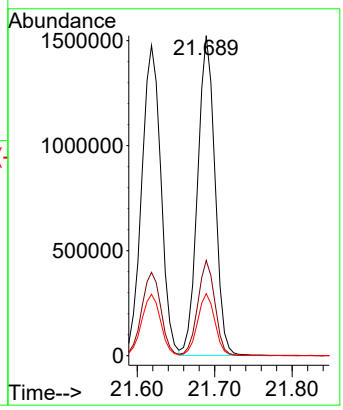


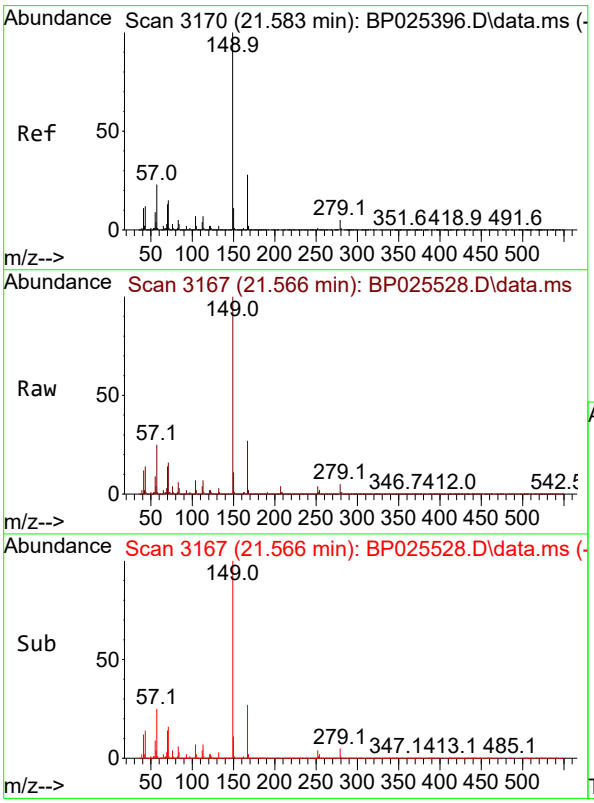
#83
Chrysene
Concen: 39.504 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2359088

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.4	15.6	23.4

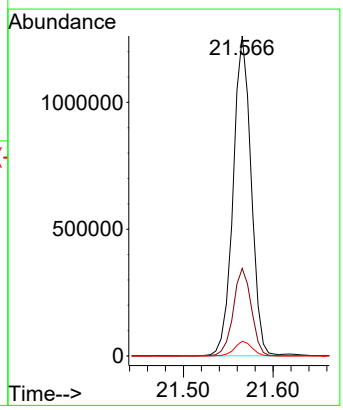


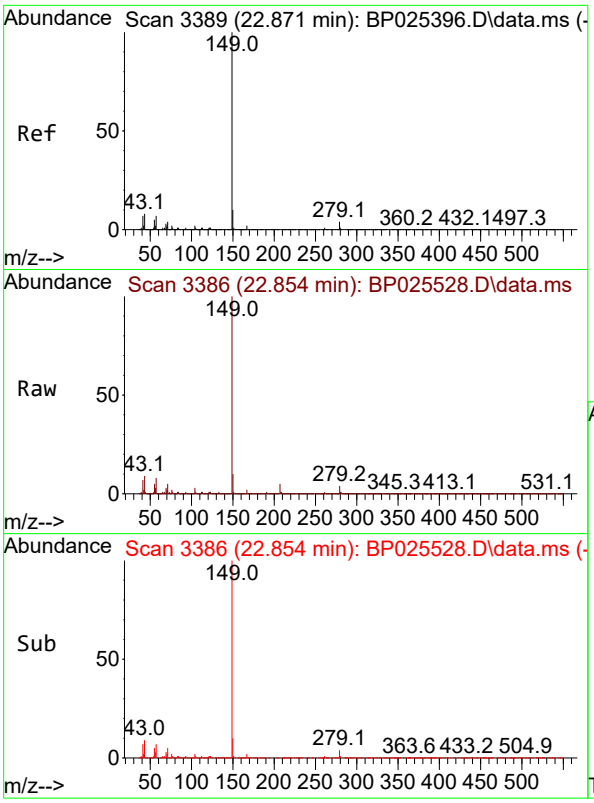


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.878 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:149 Resp: 1755836

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.6	3.8	5.6



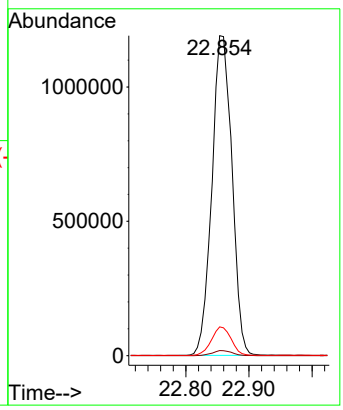


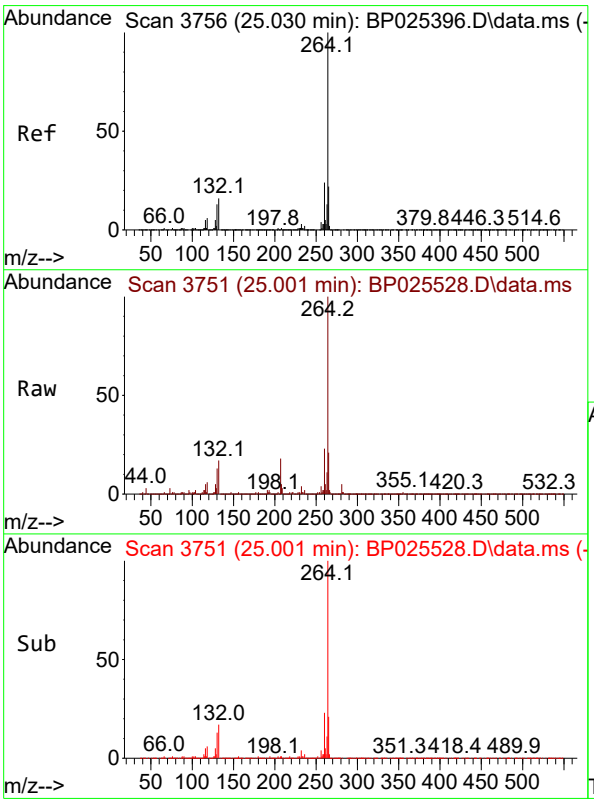
#85
Di-n-octyl phthalate
Concen: 36.401 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2625098

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.3	9.5

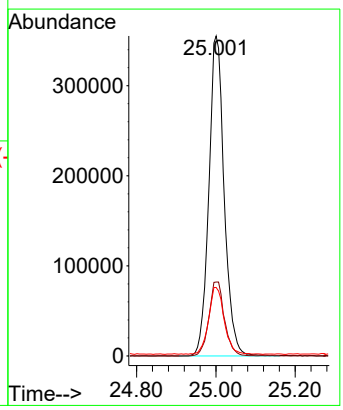


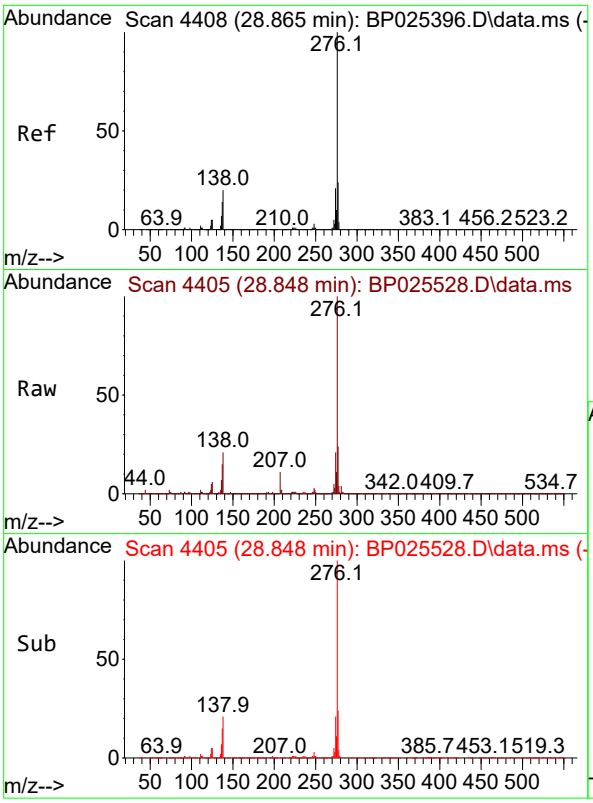


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:264 Resp: 954709

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.3	28.9
265	21.4	17.4	26.0



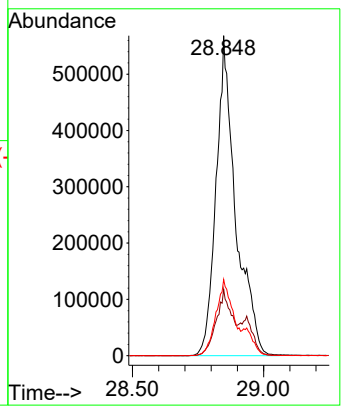


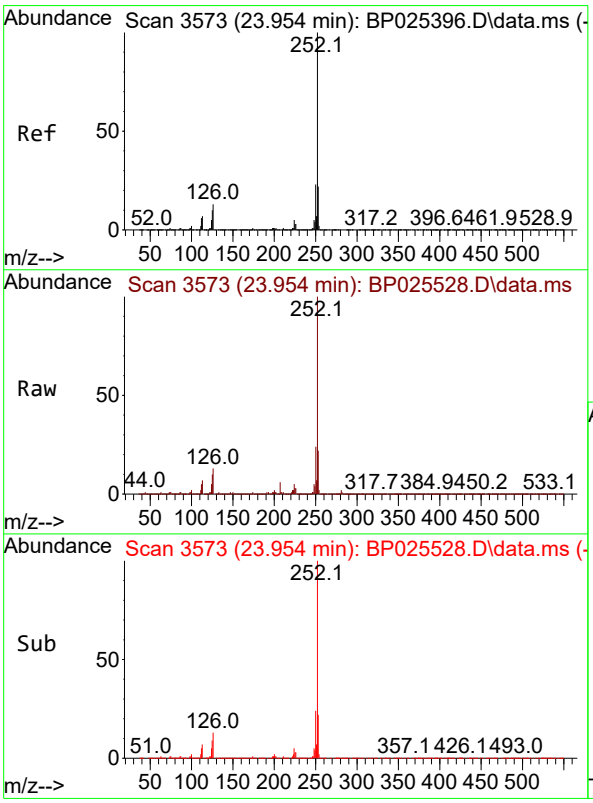
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.143 ng
RT: 28.848 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2950656

Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.9	19.3
277	20.6	17.0	25.6

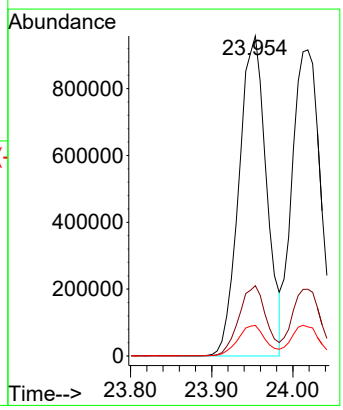


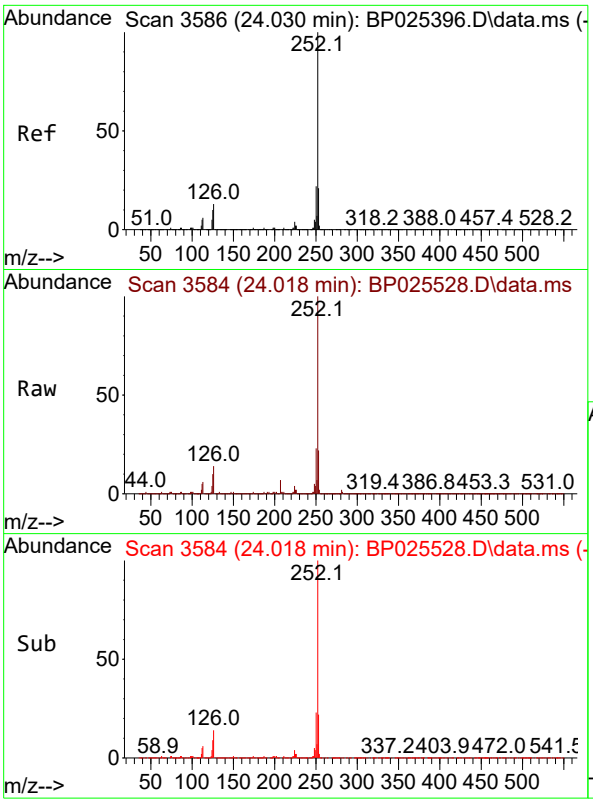


#88
Benzo(b)fluoranthene
Concen: 39.965 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:252 Resp: 2249885

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.5	7.9	11.9



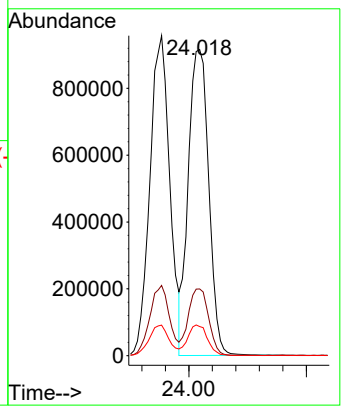


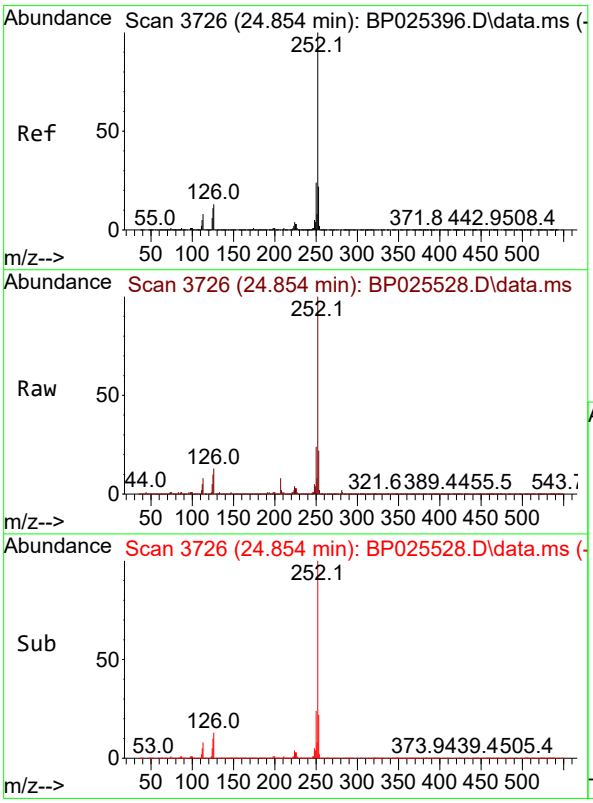
#89
Benzo(k)fluoranthene
Concen: 39.310 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2214493

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.5	7.8	11.6

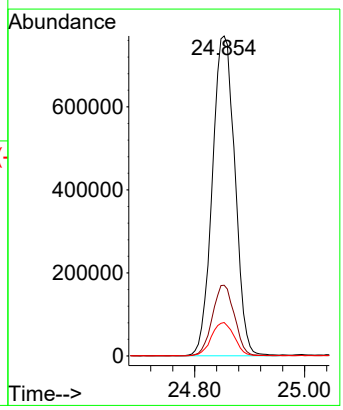


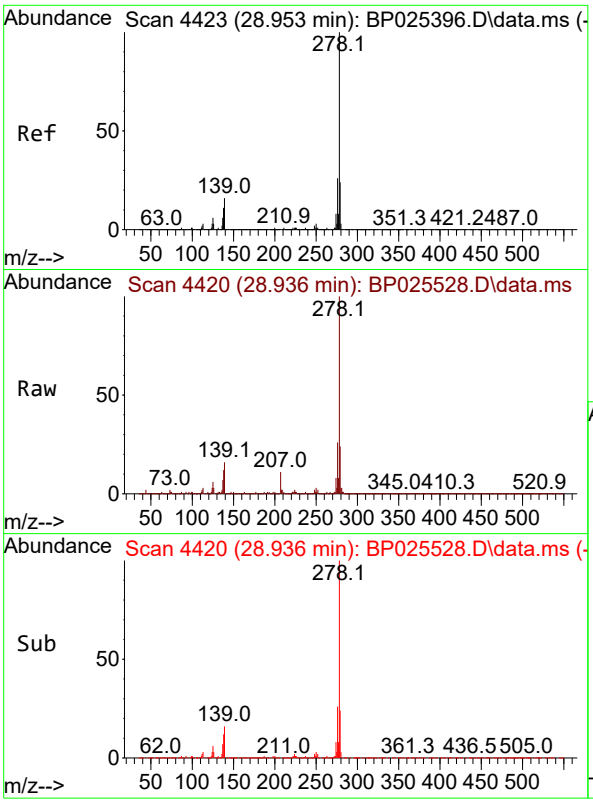


#90
Benzo(a)pyrene
Concen: 40.085 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:252 Resp: 2196644

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.4	8.7	13.1



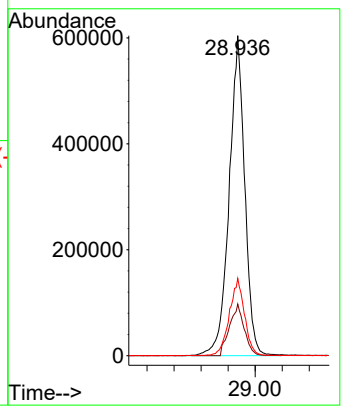


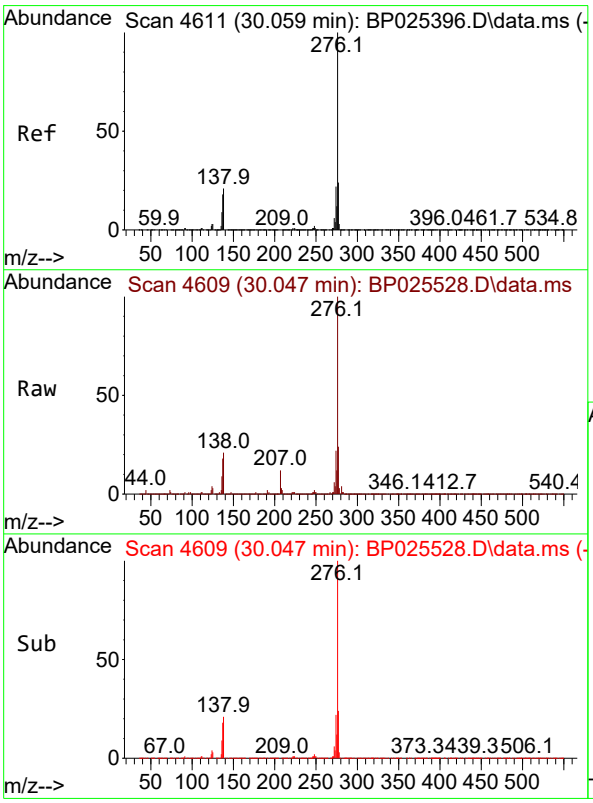
#91
Dibenzo(a,h)anthracene
Concen: 42.186 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2413697

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	24.2	19.4	29.2

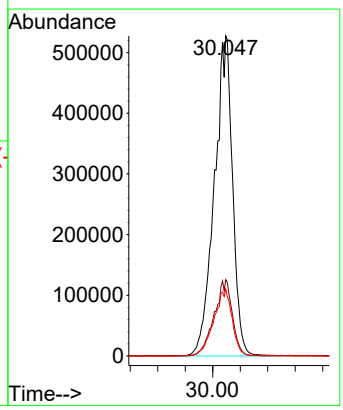




#92
Benzo(g,h,i)perylene
Concen: 43.043 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025528.D
Acq: 21 Aug 2025 06:42

Tgt Ion:276 Resp: 2420845

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.9	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00
2		1,4-Dioxane	0.472	0.468	0.8	140	0.00
3		Pyridine	1.291	1.273	1.4	139	0.00
4		n-Nitrosodimethylamine	0.532	0.591	-11.1	154#	0.00
5	S	2-Fluorophenol	1.204	1.211	-0.6	139	0.00
6		Aniline	2.080	2.110	-1.4	139	0.00
7	S	Phenol-d6	1.544	1.588	-2.8	140	0.00
8		2-Chlorophenol	1.359	1.383	-1.8	140	0.00
9		Benzaldehyde	1.082	1.331	-23.0	130	0.00
10	C	Phenol	1.620	1.664	-2.7	141	0.00
11		bis(2-Chloroethyl)ether	1.263	1.271	-0.6	139	0.00
12		1,3-Dichlorobenzene	1.499	1.492	0.5	138	0.00
13	C	1,4-Dichlorobenzene	1.532	1.515	1.1	138	-0.01
14		1,2-Dichlorobenzene	1.483	1.468	1.0	137	0.00
15		Benzyl Alcohol	1.227	1.293	-5.4	145	0.00
16		2,2'-oxybis(1-Chloropropane	1.692	1.822	-7.7	150	-0.01
17		2-Methylphenol	1.125	1.159	-3.0	140	0.00
18		Hexachloroethane	0.563	0.574	-2.0	140	-0.01
19	P	n-Nitroso-di-n-propylamine	1.023	1.037	-1.4	139	0.00
20		3+4-Methylphenols	1.560	1.594	-2.2	139	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00
22		Acetophenone	0.502	0.505	-0.6	140	0.00
23	S	Nitrobenzene-d5	0.395	0.404	-2.3	142	0.00
24		Nitrobenzene	0.353	0.365	-3.4	143	0.00
25		Isophorone	0.700	0.714	-2.0	143	0.00
26	C	2-Nitrophenol	0.181	0.186	-2.8	139	0.00
27		2,4-Dimethylphenol	0.312	0.319	-2.2	139	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.421	0.5	139	0.00
29	C	2,4-Dichlorophenol	0.310	0.312	-0.6	138	0.00
30		1,2,4-Trichlorobenzene	0.340	0.325	4.4	134	0.00
31		Naphthalene	1.040	1.015	2.4	137	0.00
32		Benzoic acid	0.230	0.246	-7.0	146	0.02
33		4-Chloroaniline	0.459	0.465	-1.3	138	0.00
34	C	Hexachlorobutadiene	0.211	0.208	1.4	137	0.00
35		Caprolactam	0.114	0.116	-1.8	143	0.01
36	C	4-Chloro-3-methylphenol	0.355	0.366	-3.1	142	0.00
37		2-Methylnaphthalene	0.676	0.671	0.7	139	0.00
38		1-Methylnaphthalene	0.719	0.703	2.2	138	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.574	0.7	136	0.00
41	P	Hexachlorocyclopentadiene	0.349	0.350	-0.3	133	0.00
42	S	2,4,6-Tribromophenol	0.269	0.274	-1.9	138	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.410	-5.1	142	0.00
44		2,4,5-Trichlorophenol	0.427	0.446	-4.4	139	0.00
45	S	2-Fluorobiphenyl	1.463	1.383	5.5	131	0.00
46		1,1'-Biphenyl	1.453	1.459	-0.4	137	0.00
47		2-Chloronaphthalene	1.131	1.124	0.6	135	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.374	-13.7	149	0.00
49		Acenaphthylene	1.871	1.868	0.2	137	0.00
50		Dimethylphthalate	1.465	1.502	-2.5	141	0.00
51		2,6-Dinitrotoluene	0.309	0.330	-6.8	141	0.00
52	C	Acenaphthene	1.098	1.075	2.1	136	0.00
53		3-Nitroaniline	0.347	0.367	-5.8	142	0.00
54	P	2,4-Dinitrophenol	0.165	0.174	-5.5	141	0.00
55		Dibenzofuran	1.736	1.733	0.2	137	0.00
56	P	4-Nitrophenol	0.285	0.307	-7.7	145	0.00
57		2,4-Dinitrotoluene	0.440	0.482	-9.5	146	0.00
58		Fluorene	1.370	1.312	4.2	133	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.391	-3.7	140	0.00
60		Diethylphthalate	1.488	1.538	-3.4	142	0.00
61		4-Chlorophenyl-phenylether	0.681	0.648	4.8	131	0.00
62		4-Nitroaniline	0.356	0.363	-2.0	136	0.00
63		Azobenzene	1.274	1.356	-6.4	145	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	134	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	143	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.601	1.5	136	0.00
67		4-Bromophenyl-phenylether	0.220	0.217	1.4	136	0.00
68		Hexachlorobenzene	0.255	0.250	2.0	138	0.00
69		Atrazine	0.228	0.231	-1.3	142	0.00
70	C	Pentachlorophenol	0.161	0.169	-5.0	144	0.00
71		Phenanthrene	1.099	1.074	2.3	138	0.00
72		Anthracene	1.122	1.087	3.1	135	0.00
73		Carbazole	1.057	1.024	3.1	136	0.00
74		Di-n-butylphthalate	1.300	1.302	-0.2	140	0.00
75	C	Fluoranthene	1.311	1.222	6.8	133	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.683	0.624	8.6	69	0.01
78		Pyrene	1.300	1.517	-16.7	128	0.00
79	S	Terphenyl-d14	1.093	1.224	-12.0	126	0.00
80		Butylbenzylphthalate	0.589	0.681	-15.6	126	0.00
81		Benzo(a)anthracene	1.319	1.317	0.2	112	-0.01
82		3,3'-Dichlorobenzidine	0.497	0.463	6.8	102	0.00
83		Chrysene	1.235	1.220	1.2	111	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.908	-4.7	118	-0.02
85	c	Di-n-octyl phthalate	1.492	1.357	9.0	101	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	93	-0.03
87		Indeno(1,2,3-cd)pyrene	1.467	1.545	-5.3	102	-0.02
88		Benzo(b)fluoranthene	1.179	1.178	0.1	97	0.00
89		Benzo(k)fluoranthene	1.180	1.160	1.7	96	-0.01
90	C	Benzo(a)pyrene	1.148	1.150	-0.2	97	0.00
91		Dibenzo(a,h)anthracene	1.199	1.264	-5.4	102	-0.02
92		Benzo(g,h,i)perylene	1.178	1.268	-7.6	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	133	0.00
2		1,4-Dioxane	40.000	39.712	0.7	140	0.00
3		Pyridine	40.000	39.440	1.4	139	0.00
4		n-Nitrosodimethylamine	40.000	44.377	-10.9	154	0.00
5	S	2-Fluorophenol	80.000	80.452	-0.6	139	0.00
6		Aniline	40.000	40.577	-1.4	139	0.00
7	S	Phenol-d6	80.000	82.271	-2.8	140	0.00
8		2-Chlorophenol	40.000	40.707	-1.8	140	0.00
9		Benzaldehyde	40.000	49.222	-23.1	130	0.00
10	C	Phenol	40.000	41.075	-2.7	141	0.00
11		bis(2-Chloroethyl)ether	40.000	40.272	-0.7	139	0.00
12		1,3-Dichlorobenzene	40.000	39.834	0.4	138	0.00
13	C	1,4-Dichlorobenzene	40.000	39.573	1.1	138	-0.01
14		1,2-Dichlorobenzene	40.000	39.615	1.0	137	0.00
15		Benzyl Alcohol	40.000	42.156	-5.4	145	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.083	-7.7	150	-0.01
17		2-Methylphenol	40.000	41.208	-3.0	140	0.00
18		Hexachloroethane	40.000	40.767	-1.9	140	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.542	-1.4	139	0.00
20		3+4-Methylphenols	40.000	40.875	-2.2	139	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	135	0.00
22		Acetophenone	40.000	40.242	-0.6	140	0.00
23	S	Nitrobenzene-d5	80.000	81.750	-2.2	142	0.00
24		Nitrobenzene	40.000	41.331	-3.3	143	0.00
25		Isophorone	40.000	40.795	-2.0	143	0.00
26	C	2-Nitrophenol	40.000	41.048	-2.6	139	0.00
27		2,4-Dimethylphenol	40.000	40.905	-2.3	139	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.830	0.4	139	0.00
29	C	2,4-Dichlorophenol	40.000	40.321	-0.8	138	0.00
30		1,2,4-Trichlorobenzene	40.000	38.224	4.4	134	0.00
31		Naphthalene	40.000	39.071	2.3	137	0.00
32		Benzoic acid	40.000	42.778	-6.9	146	0.02
33		4-Chloroaniline	40.000	40.477	-1.2	138	0.00
34	C	Hexachlorobutadiene	40.000	39.290	1.8	137	0.00
35		Caprolactam	40.000	40.851	-2.1	143	0.01
36	C	4-Chloro-3-methylphenol	40.000	41.225	-3.1	142	0.00
37		2-Methylnaphthalene	40.000	39.701	0.7	139	0.00
38		1-Methylnaphthalene	40.000	39.062	2.3	138	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	132	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.778	0.6	136	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.117	-0.3	133	0.00
42	S	2,4,6-Tribromophenol	80.000	81.551	-1.9	138	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.093	-5.2	142	0.00
44		2,4,5-Trichlorophenol	40.000	41.781	-4.5	139	0.00
45	S	2-Fluorobiphenyl	80.000	75.599	5.5	131	0.00
46		1,1'-Biphenyl	40.000	40.191	-0.5	137	0.00
47		2-Chloronaphthalene	40.000	39.774	0.6	135	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	45.353	-13.4	149	0.00
49		Acenaphthylene	40.000	39.943	0.1	137	0.00
50		Dimethylphthalate	40.000	41.027	-2.6	141	0.00
51		2,6-Dinitrotoluene	40.000	42.738	-6.8	141	0.00
52	C	Acenaphthene	40.000	39.164	2.1	136	0.00
53		3-Nitroaniline	40.000	42.321	-5.8	142	0.00
54	P	2,4-Dinitrophenol	40.000	42.191	-5.5	141	0.00
55		Dibenzofuran	40.000	39.925	0.2	137	0.00
56	P	4-Nitrophenol	40.000	43.033	-7.6	145	0.00
57		2,4-Dinitrotoluene	40.000	43.783	-9.5	146	0.00
58		Fluorene	40.000	38.298	4.3	133	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.403	-3.5	140	0.00
60		Diethylphthalate	40.000	41.343	-3.4	142	0.00
61		4-Chlorophenyl-phenylether	40.000	38.031	4.9	131	0.00
62		4-Nitroaniline	40.000	40.733	-1.8	136	0.00
63		Azobenzene	40.000	42.575	-6.4	145	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	134	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.114	-5.3	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.423	1.4	136	0.00
67		4-Bromophenyl-phenylether	40.000	39.453	1.4	136	0.00
68		Hexachlorobenzene	40.000	39.143	2.1	138	0.00
69		Atrazine	40.000	40.478	-1.2	142	0.00
70	C	Pentachlorophenol	40.000	42.093	-5.2	144	0.00
71		Phenanthrene	40.000	39.098	2.3	138	0.00
72		Anthracene	40.000	38.766	3.1	135	0.00
73		Carbazole	40.000	38.750	3.1	136	0.00
74		Di-n-butylphthalate	40.000	40.043	-0.1	140	0.00
75	C	Fluoranthene	40.000	37.289	6.8	133	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	36.563	8.6	69	0.01
78		Pyrene	40.000	46.678	-16.7	128	0.00
79	S	Terphenyl-d14	80.000	89.549	-11.9	126	0.00
80		Butylbenzylphthalate	40.000	46.209	-15.5	126	0.00
81		Benzo(a)anthracene	40.000	39.933	0.2	112	-0.01
82		3,3'-Dichlorobenzidine	40.000	37.227	6.9	102	0.00
83		Chrysene	40.000	39.504	1.2	111	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.878	-4.7	118	-0.02
85	c	Di-n-octyl phthalate	40.000	36.401	9.0	101	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	93	-0.03
87		Indeno(1,2,3-cd)pyrene	40.000	42.143	-5.4	102	-0.02
88		Benzo(b)fluoranthene	40.000	39.965	0.1	97	0.00
89		Benzo(k)fluoranthene	40.000	39.310	1.7	96	-0.01
90	C	Benzo(a)pyrene	40.000	40.085	-0.2	97	0.00
91		Dibenzo(a,h)anthracene	40.000	42.186	-5.5	102	-0.02
92		Benzo(g,h,i)perylene	40.000	43.043	-7.6	104	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025528.D
Acq On : 21 Aug 2025 06:42
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 07:32:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 17:11

Lab File ID: BP025542.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.212		0.7	50.0
Benzaldehyde	1.082	1.364		26.1	50.0
Phenol-d6	1.544	1.576		2.1	50.0
Phenol	1.620	1.627		0.4	50.0
bis(2-Chloroethyl)ether	1.263	1.232		-2.5	50.0
2-Chlorophenol	1.359	1.363		0.3	50.0
2-Methylphenol	1.125	1.127		0.2	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.698		0.4	50.0
Acetophenone	0.502	0.488		-2.8	50.0
3+4-Methylphenols	1.560	1.540		-1.3	50.0
n-Nitroso-di-n-propylamine	1.023	0.960	0.050	-6.2	50.0
Nitrobenzene-d5	0.395	0.400		1.3	50.0
Hexachloroethane	0.563	0.558		-0.9	50.0
Nitrobenzene	0.353	0.359		1.7	50.0
Isophorone	0.700	0.664		-5.1	50.0
2-Nitrophenol	0.181	0.184		1.7	50.0
2,4-Dimethylphenol	0.312	0.307		-1.6	50.0
bis(2-Chloroethoxy)methane	0.423	0.397		-6.1	50.0
2,4-Dichlorophenol	0.310	0.306		-1.3	50.0
Naphthalene	1.040	0.998		-4.0	50.0
4-Chloroaniline	0.459	0.442		-3.7	50.0
Hexachlorobutadiene	0.211	0.203		-3.8	50.0
Caprolactam	0.114	0.114		0.0	50.0
4-Chloro-3-methylphenol	0.355	0.349		-1.7	50.0
2-Methylnaphthalene	0.676	0.634		-6.2	50.0
Hexachlorocyclopentadiene	0.349	0.257	0.050	-26.4	50.0
2,4,6-Trichlorophenol	0.390	0.396		1.5	50.0
2-Fluorobiphenyl	1.463	1.377		-5.9	50.0
2,4,5-Trichlorophenol	0.427	0.429		0.5	50.0
1,1-Biphenyl	1.453	1.391		-4.3	50.0
2-Chloronaphthalene	1.131	1.085		-4.1	50.0
2-Nitroaniline	0.329	0.358		8.8	50.0
Dimethylphthalate	1.465	1.393		-4.9	50.0
Acenaphthylene	1.871	1.831		-2.1	50.0
2,6-Dinitrotoluene	0.309	0.310		0.3	50.0
3-Nitroaniline	0.347	0.357		2.9	50.0
Acenaphthene	1.098	1.038		-5.5	50.0
2,4-Dinitrophenol	0.165	0.152	0.050	-7.9	50.0
4-Nitrophenol	0.285	0.310	0.050	8.8	50.0

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/21/2025 17:11

Lab File ID: BP025542.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.667		-4.0	50.0
2,4-Dinitrotoluene	0.440	0.467		6.1	50.0
Diethylphthalate	1.488	1.450		-2.6	50.0
4-Chlorophenyl-phenylether	0.681	0.643		-5.6	50.0
Fluorene	1.370	1.332		-2.8	50.0
4-Nitroaniline	0.356	0.384		7.9	50.0
4,6-Dinitro-2-methylphenol	0.125	0.105		-16.0	50.0
n-Nitrosodiphenylamine	0.610	0.588		-3.6	50.0
2,4,6-Tribromophenol	0.269	0.267		-0.7	50.0
4-Bromophenyl-phenylether	0.220	0.208		-5.5	50.0
Hexachlorobenzene	0.255	0.241		-5.5	50.0
Atrazine	0.228	0.223		-2.2	50.0
Pentachlorophenol	0.161	0.162		0.6	50.0
Phenanthrene	1.099	1.070		-2.6	50.0
Anthracene	1.122	1.092		-2.7	50.0
Carbazole	1.057	1.063		0.6	50.0
Di-n-butylphthalate	1.300	1.288		-0.9	50.0
Fluoranthene	1.311	1.283		-2.1	50.0
Pyrene	1.300	1.271		-2.2	50.0
Terphenyl-d14	1.093	1.049		-4.0	50.0
Butylbenzylphthalate	0.589	0.602		2.2	50.0
3,3-Dichlorobenzidine	0.497	0.504		1.4	50.0
Benzo(a)anthracene	1.319	1.296		-1.7	50.0
Chrysene	1.235	1.203		-2.6	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.849		-2.1	50.0
Di-n-octyl phthalate	1.492	1.537		3.0	50.0
Benzo(b)fluoranthene	1.179	1.107		-6.1	50.0
Benzo(k)fluoranthene	1.180	1.135		-3.8	50.0
Benzo(a)pyrene	1.148	1.109		-3.4	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.440		-1.8	50.0
Dibenzo(a,h)anthracene	1.199	1.186		-1.1	50.0
Benzo(g,h,i)perylene	1.178	1.170		-0.7	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.557		-3.6	50.0
1,4-Dioxane	0.472	0.452		-4.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.380		0.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	136090	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	561087	20.000	ng	-0.01
39) Acenaphthene-d10	14.401	164	361820	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	738022	20.000	ng	0.00
76) Chrysene-d12	21.654	240	775486	20.000	ng	0.00
86) Perylene-d12	25.042	264	938396	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	659968	80.536	ng	0.00
7) Phenol-d6	6.966	99	858005	81.665	ng	0.00
23) Nitrobenzene-d5	8.925	82	898712	81.025	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	386032	79.265	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	1993253	75.290	ng	-0.01
79) Terphenyl-d14	19.919	244	3252513	76.735	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.325	88	123102	38.351	ng	98
3) Pyridine	3.725	79	334015	38.018	ng	96
4) n-Nitrosodimethylamine	3.625	42	154661	42.700	ng	93
6) Aniline	7.113	93	558248	39.437	ng	97
8) 2-Chlorophenol	7.361	128	371115	40.132	ng	99
9) Benzaldehyde	6.931	77	371170	50.425	ng	97
10) Phenol	6.990	94	442754	40.161	ng	98
11) bis(2-Chloroethyl)ether	7.208	93	335445	39.038	ng	99
12) 1,3-Dichlorobenzene	7.672	146	400071	39.235	ng	99
13) 1,4-Dichlorobenzene	7.813	146	407112	39.062	ng	99
14) 1,2-Dichlorobenzene	8.131	146	391768	38.832	ng	99
15) Benzyl Alcohol	8.013	79	333074	39.899	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.302	45	462041	40.140	ng	98
17) 2-Methylphenol	8.219	107	306623	40.046	ng	99
18) Hexachloroethane	8.855	117	151796	39.613	ng	95
19) n-Nitroso-di-n-propyla...	8.578	70	261358	37.556	ng	99
20) 3+4-Methylphenols	8.543	107	419151	39.493	ng	97
22) Acetophenone	8.590	105	547747	38.928	ng	98
24) Nitrobenzene	8.966	77	402602	40.614	ng	99
25) Isophorone	9.490	82	744998	37.953	ng	98
26) 2-Nitrophenol	9.666	139	206989	40.687	ng	97
27) 2,4-Dimethylphenol	9.731	122	343995	39.319	ng	95
28) bis(2-Chloroethoxy)met...	9.960	93	445729	37.564	ng	99
29) 2,4-Dichlorophenol	10.207	162	343907	39.571	ng	98
30) 1,2,4-Trichlorobenzene	10.413	180	367404	38.564	ng	96
31) Naphthalene	10.602	128	1119457	38.386	ng	100
32) Benzoic acid	9.872	122	263736	40.832	ng	96
33) 4-Chloroaniline	10.707	127	495841	38.492	ng	100
34) Hexachlorobutadiene	10.890	225	228289	38.476	ng	98
35) Caprolactam	11.490	113	127845	40.117	ng	99
36) 4-Chloro-3-methylphenol	11.837	107	391584	39.266	ng	97
37) 2-Methylnaphthalene	12.207	142	711313	37.480	ng	99
38) 1-Methylnaphthalene	12.425	142	759140	37.614	ng	99
40) 1,2,4,5-Tetrachloroben...	12.578	216	403111	38.576	ng	100
41) Hexachlorocyclopentadiene	12.560	237	185973	29.463	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	286518	40.614	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

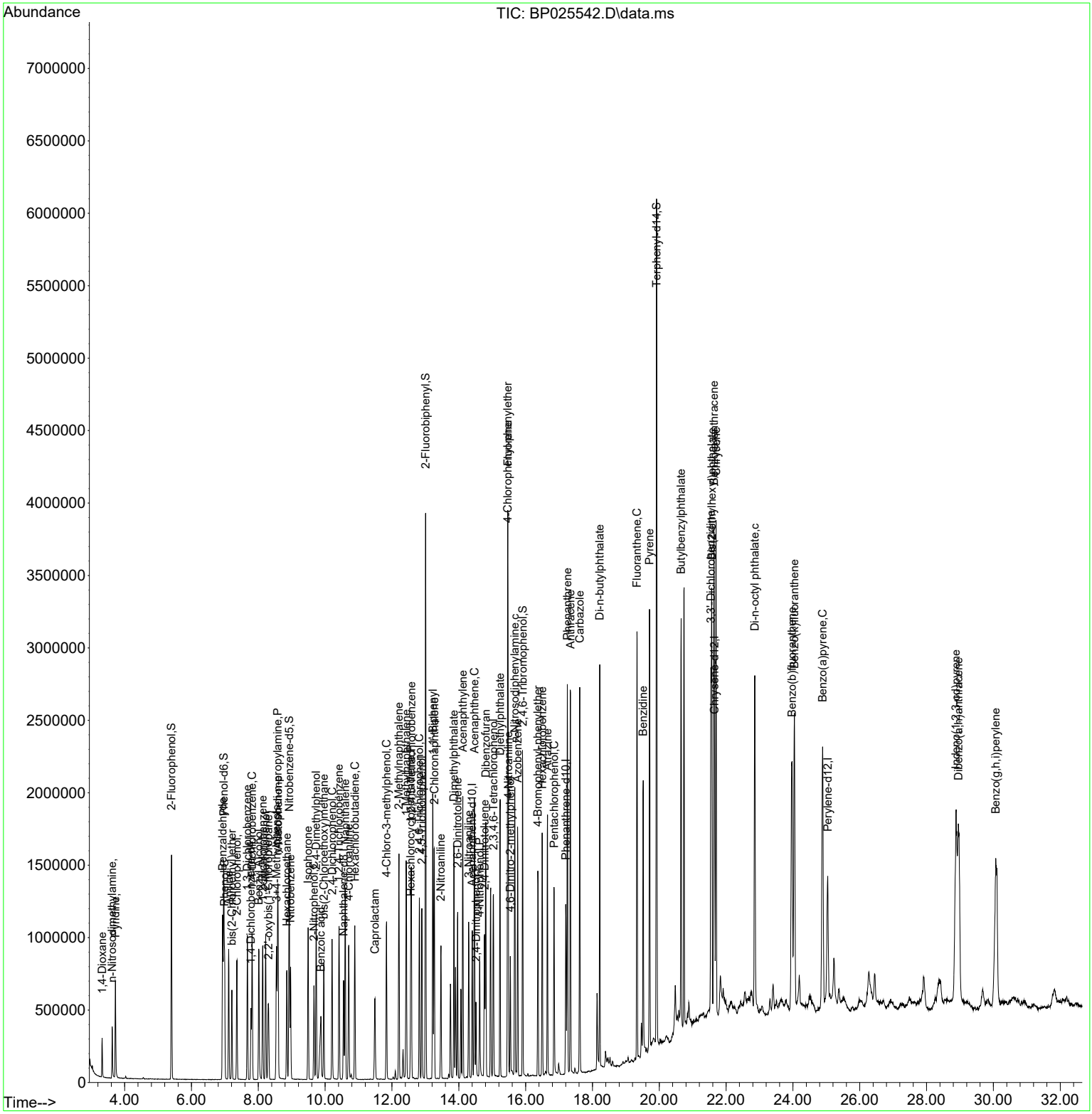
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	310439	40.151	ng	97
46) 1,1'-Biphenyl	13.225	154	1006707	38.311	ng	99
47) 2-Chloronaphthalene	13.266	162	785215	38.384	ng	99
48) 2-Nitroaniline	13.466	65	259315	43.505	ng	99
49) Acenaphthylene	14.119	152	1325117	39.147	ng	100
50) Dimethylphthalate	13.854	163	1008135	38.049	ng	99
51) 2,6-Dinitrotoluene	13.966	165	224262	40.158	ng	99
52) Acenaphthene	14.466	154	751169	37.805	ng	99
53) 3-Nitroaniline	14.295	138	258517	41.145	ng	95
54) 2,4-Dinitrophenol	14.519	184	109722	36.791	ng	96
55) Dibenzofuran	14.807	168	1206654	38.412	ng	100
56) 4-Nitrophenol	14.625	139	224642	43.509	ng	99
57) 2,4-Dinitrotoluene	14.772	165	337744	42.389	ng	98
58) Fluorene	15.466	166	964124	38.896	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.037	232	275227	40.314	ng	99
60) Diethylphthalate	15.237	149	1048925	38.961	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	465636	37.771	ng	97
62) 4-Nitroaniline	15.484	138	277864	43.138	ng	99
63) Azobenzene	15.760	77	930640	40.370	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	155486	33.798	ng	93
66) n-Nitrosodiphenylamine	15.678	169	868621	38.596	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	306365	37.744	ng	97
68) Hexachlorobenzene	16.495	284	355309	37.762	ng	99
69) Atrazine	16.654	200	329503	39.095	ng	98
70) Pentachlorophenol	16.854	266	238756	40.198	ng	97
71) Phenanthrene	17.248	178	1579287	38.954	ng	99
72) Anthracene	17.342	178	1611788	38.931	ng	99
73) Carbazole	17.619	167	1568464	40.220	ng	99
74) Di-n-butylphthalate	18.219	149	1901273	39.627	ng	100
75) Fluoranthene	19.330	202	1894256	39.170	ng	99
77) Benzidine	19.519	184	1131270	42.745	ng	99
78) Pyrene	19.707	202	1970872	39.101	ng	99
80) Butylbenzylphthalate	20.654	149	933796	40.877	ng	98
81) Benzo(a)anthracene	21.636	228	2010459	39.310	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	781552	40.543	ng	100
83) Chrysene	21.701	228	1865688	38.953	ng	99
84) Bis(2-ethylhexyl)phtha...	21.572	149	1316686	39.155	ng	99
85) Di-n-octyl phthalate	22.860	149	2384611	41.227	ng	98
87) Indeno(1,2,3-cd)pyrene	28.877	276	2703463	39.284	ng	94
88) Benzo(b)fluoranthene	23.971	252	2077718	37.548	ng	100
89) Benzo(k)fluoranthene	24.042	252	2130275	38.472	ng	99
90) Benzo(a)pyrene	24.889	252	2081963	38.652	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2225141	39.566	ng	99
92) Benzo(g,h,i)perylene	30.071	276	2194980	39.705	ng	99

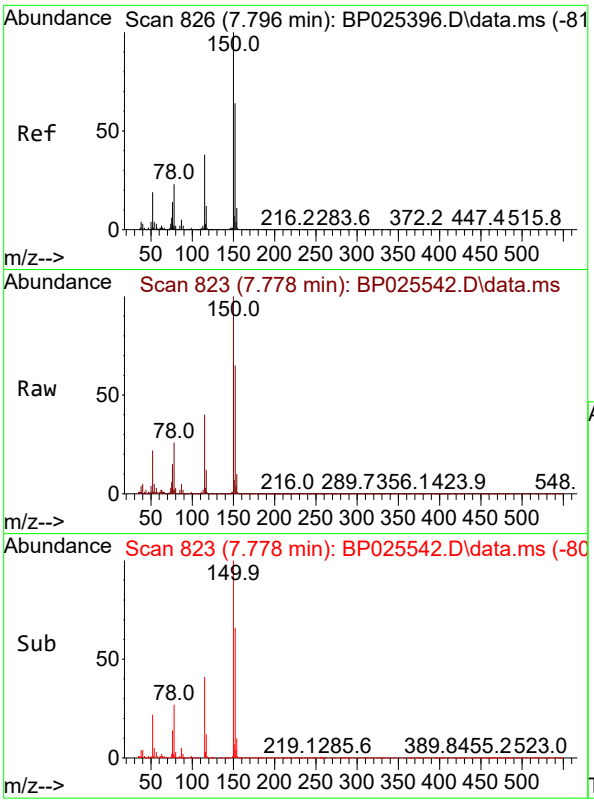
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



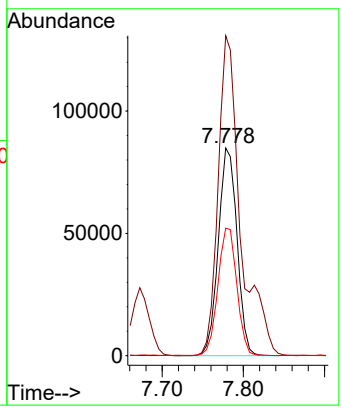


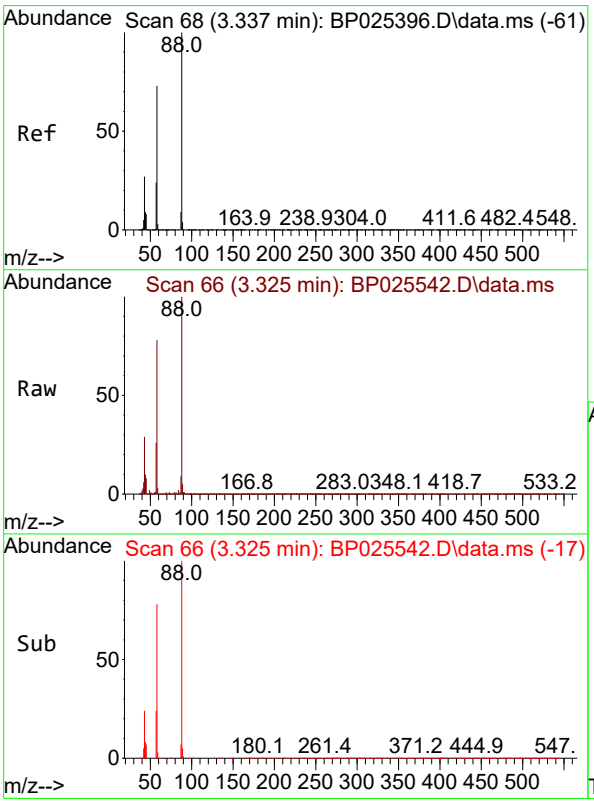
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 136090

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	61.4	48.5	72.7

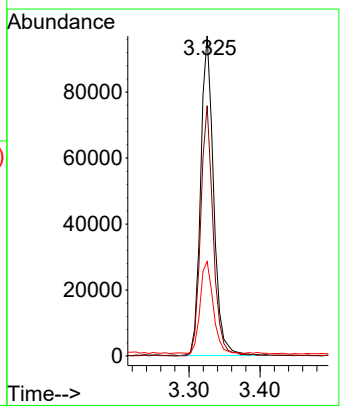


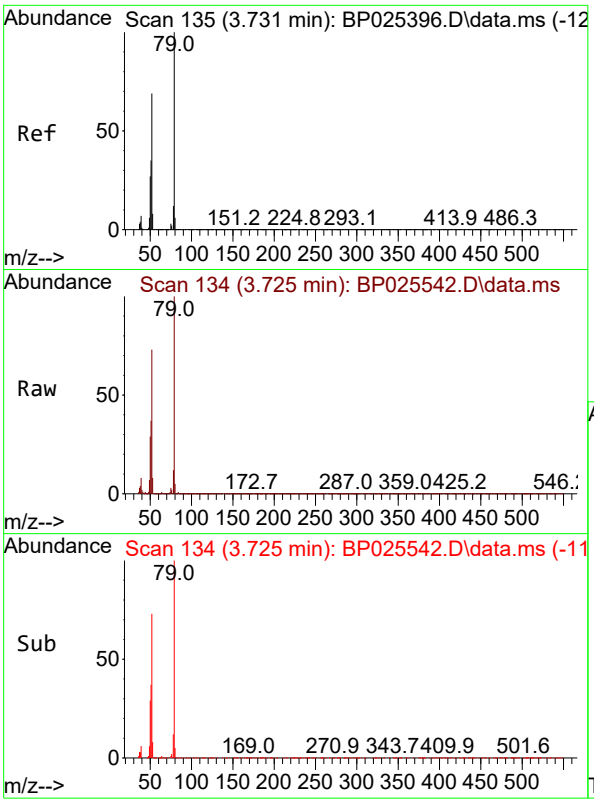


#2
1,4-Dioxane
Concen: 38.351 ng
RT: 3.325 min Scan# 66
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 88 Resp: 123102

Ion	Ratio	Lower	Upper
88	100		
58	75.7	59.2	88.8
43	29.0	21.7	32.5



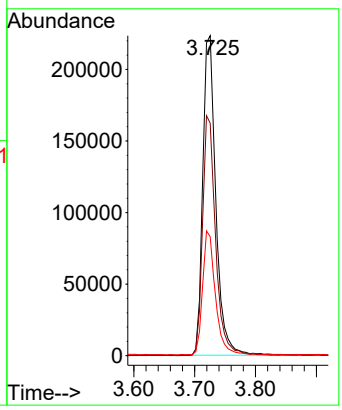


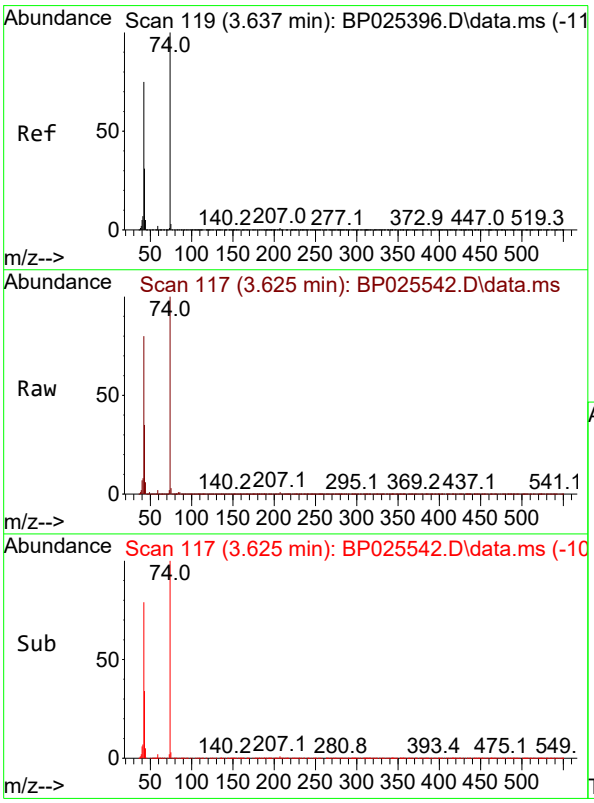
#3
Pyridine
Concen: 38.018 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 334015

Ion	Ratio	Lower	Upper
79	100		
52	72.6	55.5	83.3
51	37.2	28.3	42.5

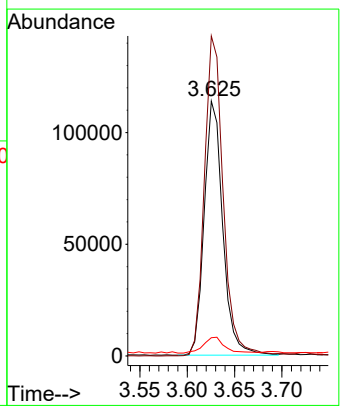


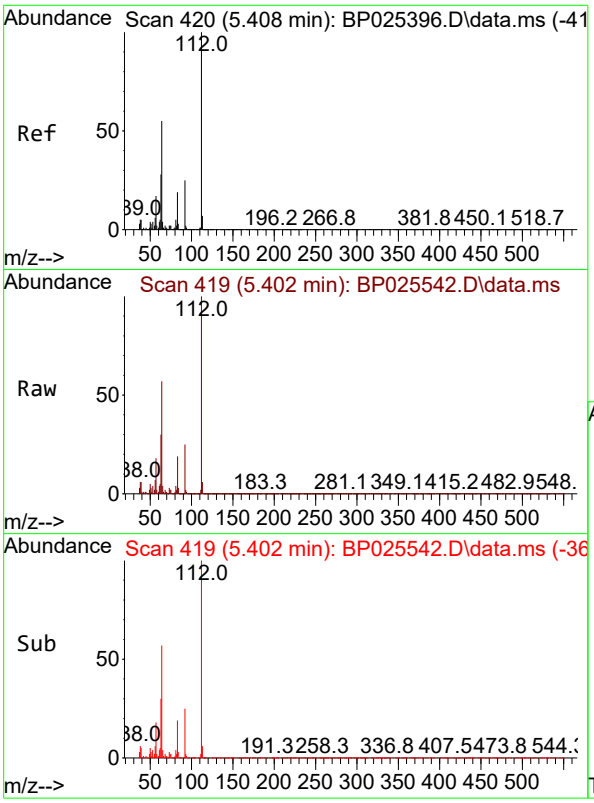


#4
n-Nitrosodimethylamine
Concen: 42.700 ng
RT: 3.625 min Scan# 117
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 42 Resp: 154661

Ion	Ratio	Lower	Upper
42	100		
74	125.5	107.0	160.4
44	7.1	6.2	9.4



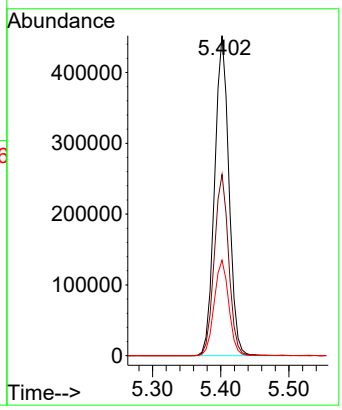


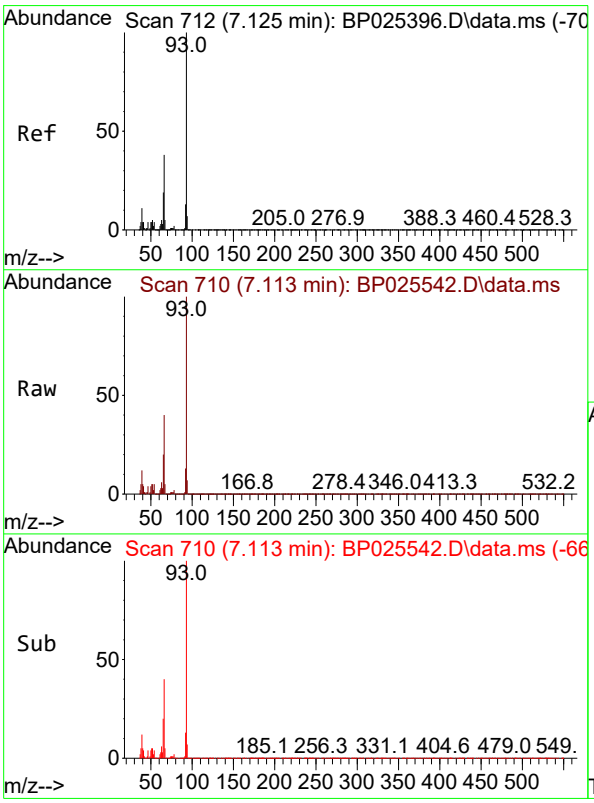
#5
2-Fluorophenol
Concen: 80.536 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 659968

Ion	Ratio	Lower	Upper
112	100		
64	56.7	43.8	65.8
63	29.8	22.7	34.1

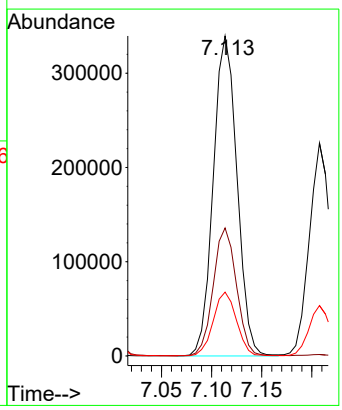


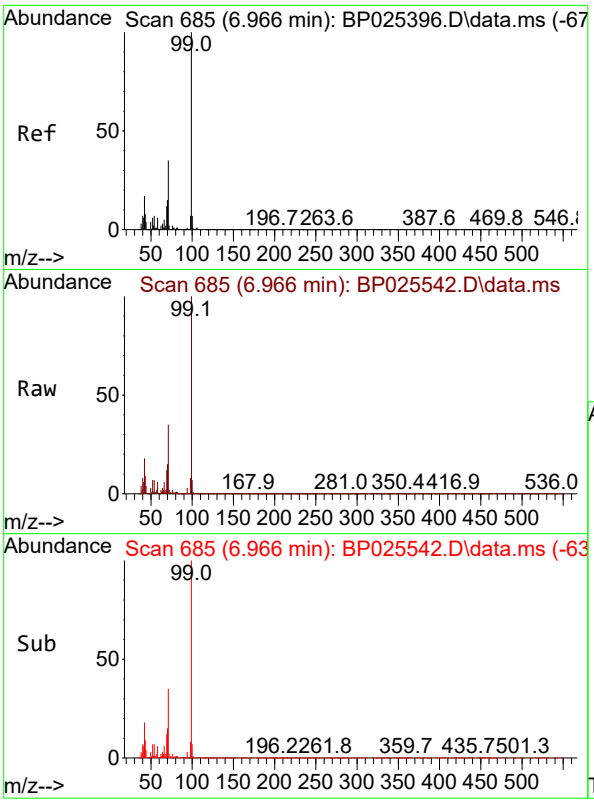


#6
Aniline
Concen: 39.437 ng
RT: 7.113 min Scan# 710
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 93 Resp: 558248

Ion	Ratio	Lower	Upper
93	100		
66	40.0	30.4	45.6
65	19.9	15.3	22.9



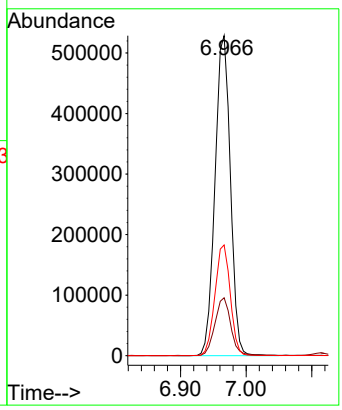


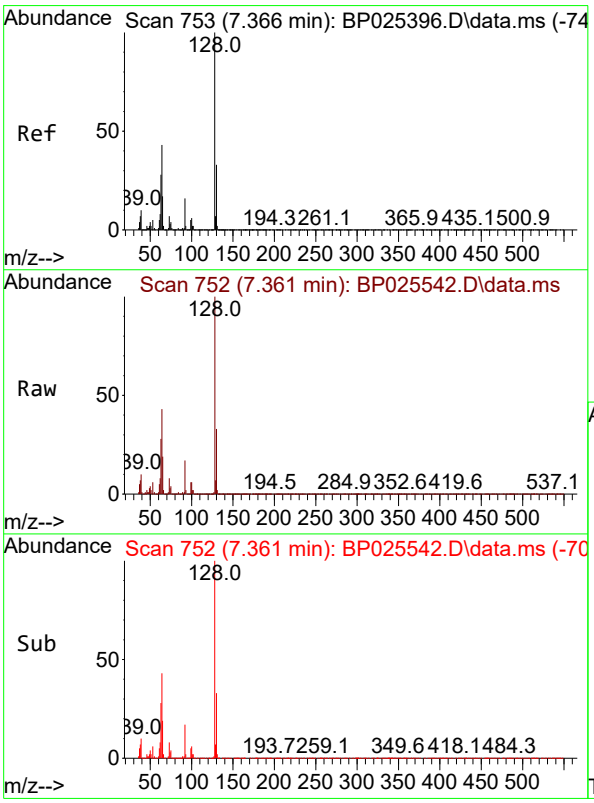
#7
Phenol-d6
Concen: 81.665 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 858005

Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.7	20.5
71	34.6	28.2	42.4

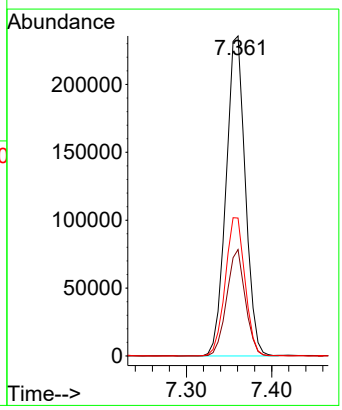


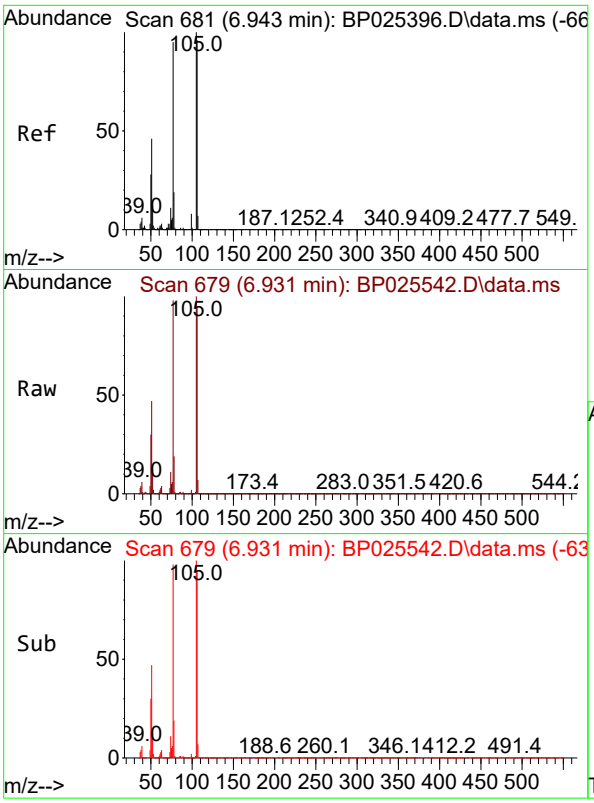


#8
2-Chlorophenol
Concen: 40.132 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:128 Resp: 371115

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.6	52.6
64	43.1	23.4	63.4



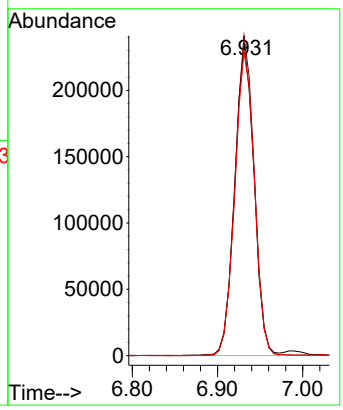


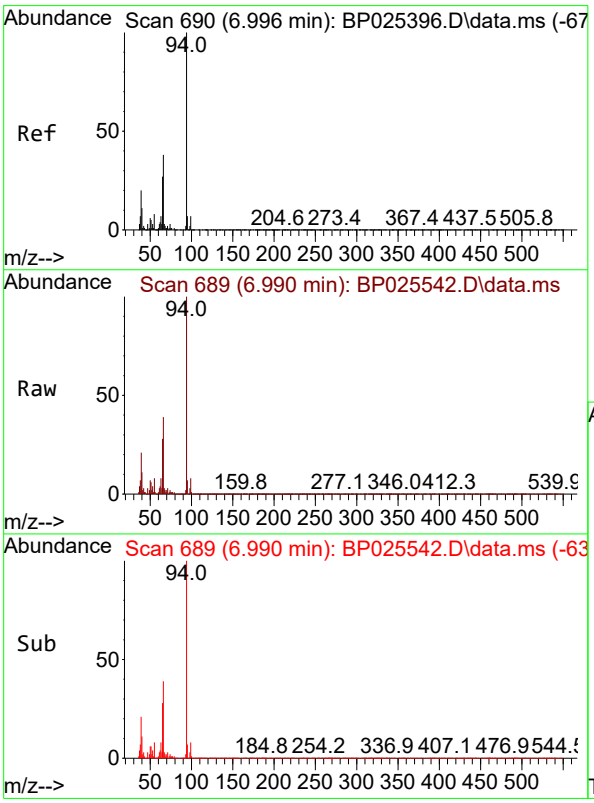
#9
Benzaldehyde
Concen: 50.425 ng
RT: 6.931 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 371170

Ion	Ratio	Lower	Upper
77	100		
105	102.3	84.8	124.8
106	97.0	80.5	120.5

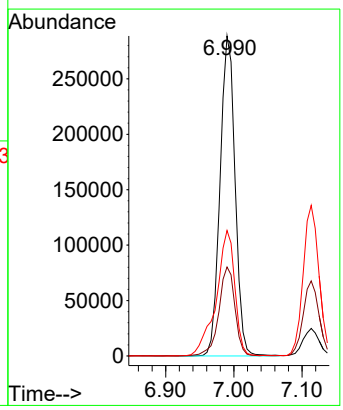


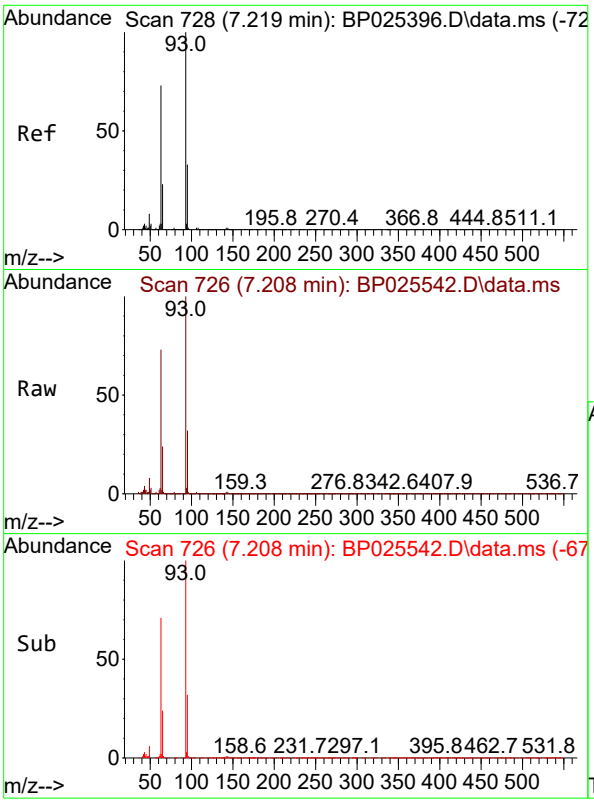


#10
Phenol
Concen: 40.161 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 94 Resp: 442754

Ion	Ratio	Lower	Upper
94	100		
65	27.8	6.8	46.8
66	39.2	18.2	58.2



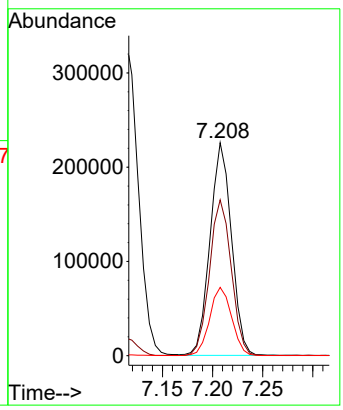


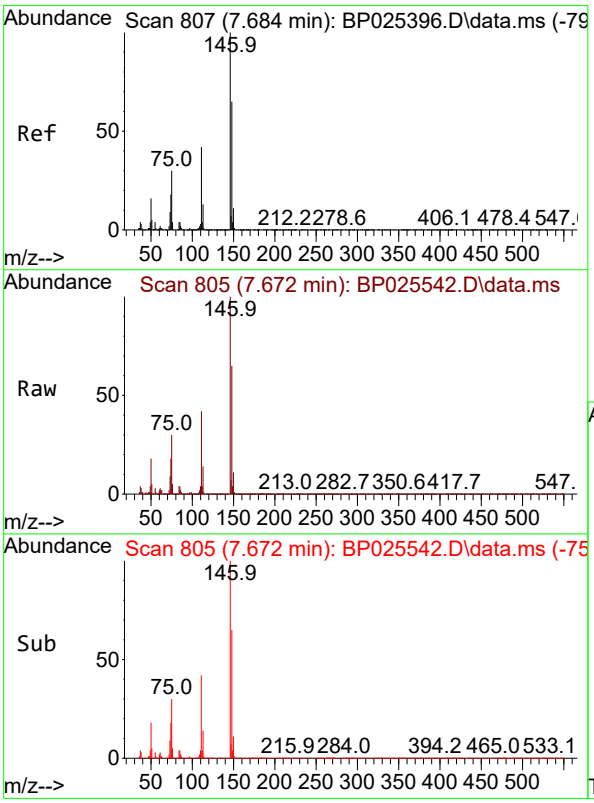
#11
bis(2-Chloroethyl)ether
Concen: 39.038 ng
RT: 7.208 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 335445

Ion	Ratio	Lower	Upper
93	100		
63	73.2	52.6	92.6
95	32.1	12.7	52.7

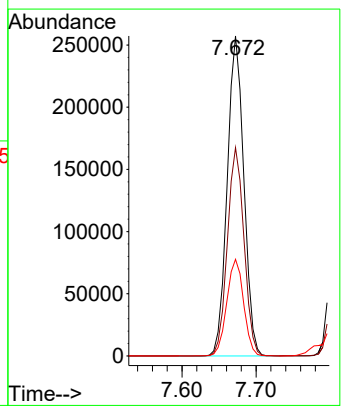


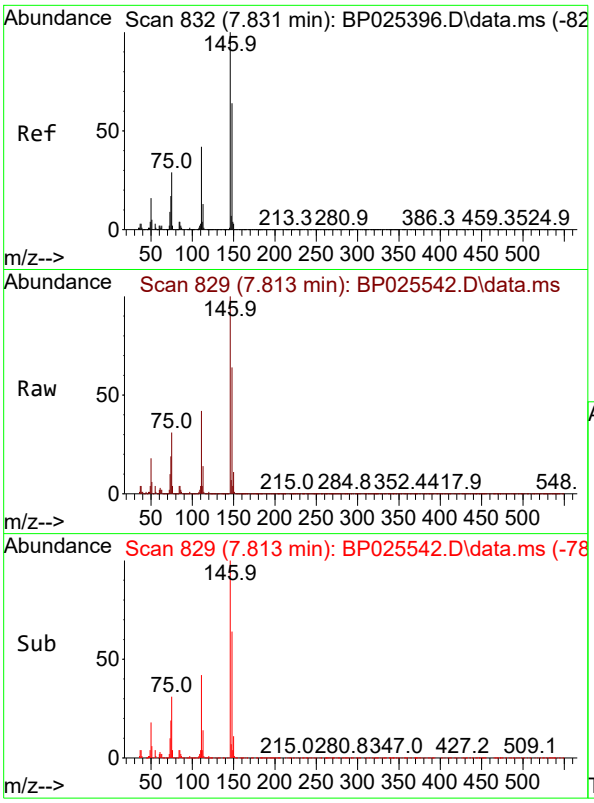


#12
1,3-Dichlorobenzene
Concen: 39.235 ng
RT: 7.672 min Scan# 805
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:146 Resp: 400071

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
75	30.2	23.7	35.5



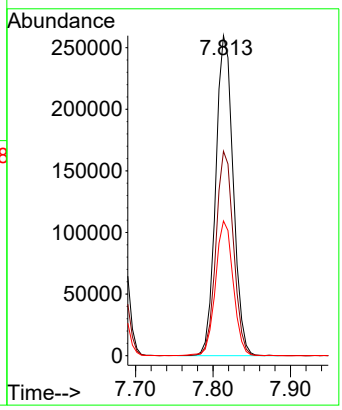


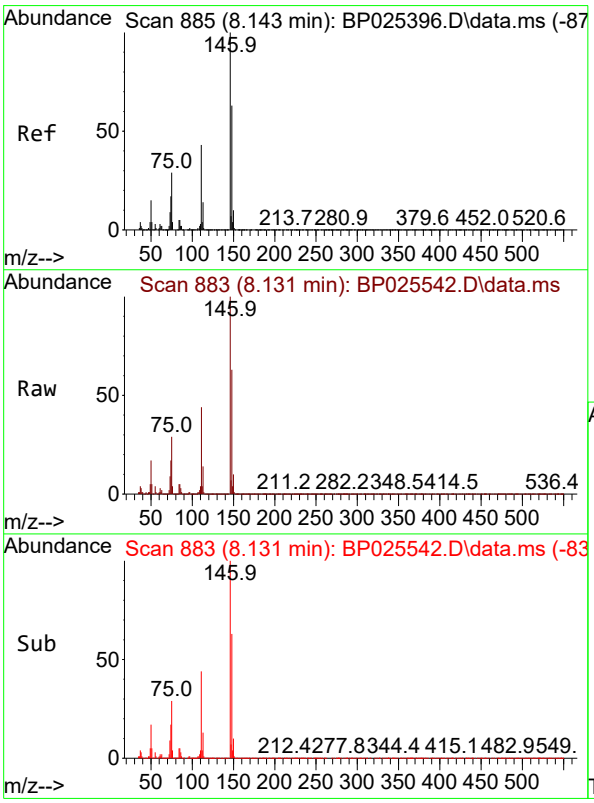
#13
1,4-Dichlorobenzene
Concen: 39.062 ng
RT: 7.813 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 407112

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	42.1	33.4	50.0

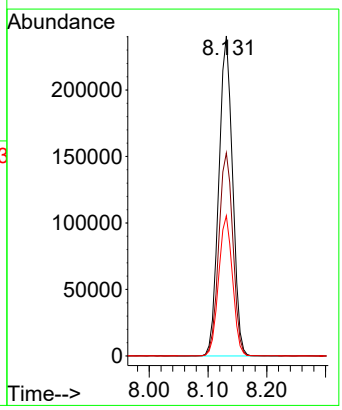


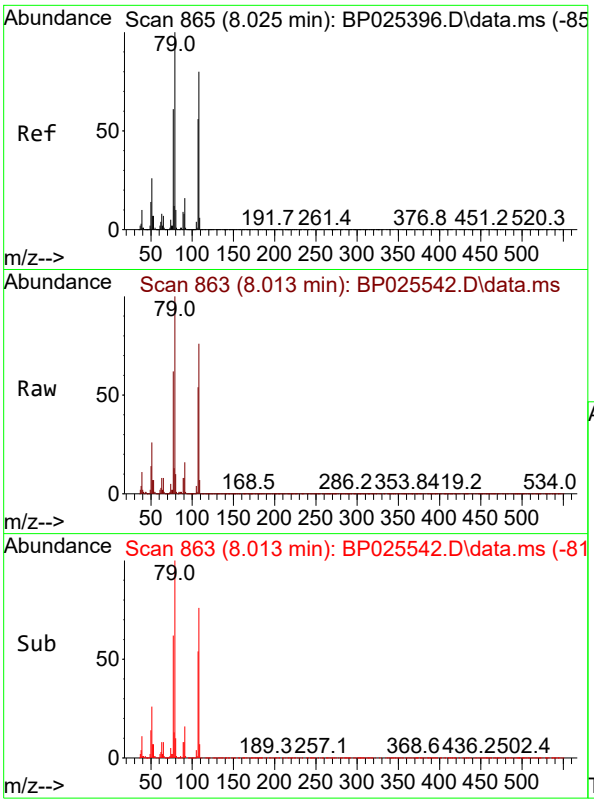


#14
1,2-Dichlorobenzene
Concen: 38.832 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:146 Resp: 391768

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	43.8	34.5	51.7



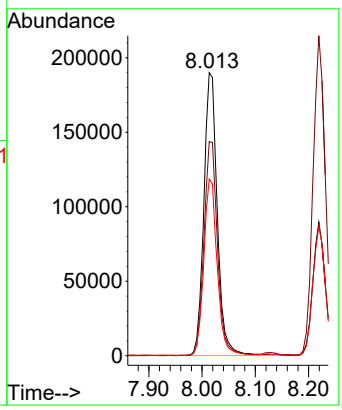


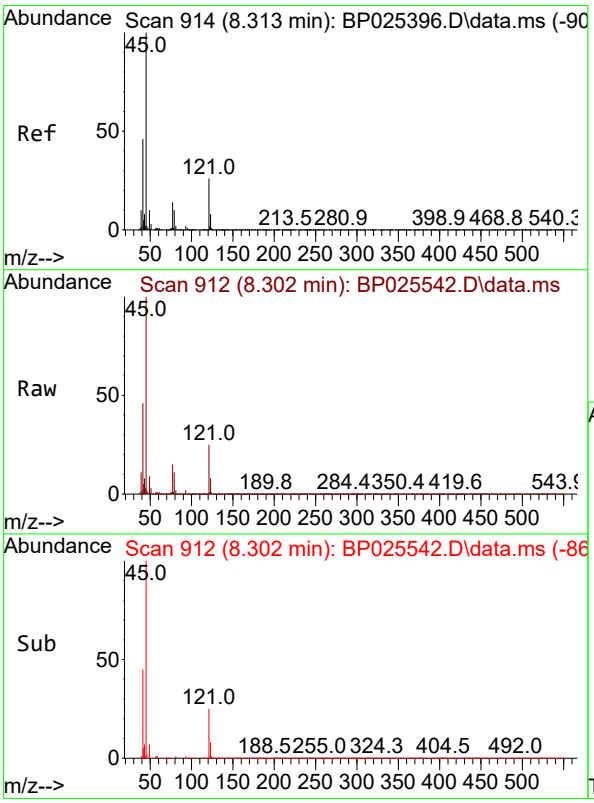
#15
Benzyl Alcohol
Concen: 39.899 ng
RT: 8.013 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 333074

Ion	Ratio	Lower	Upper
79	100		
108	75.6	63.8	95.6
77	62.4	49.0	73.4

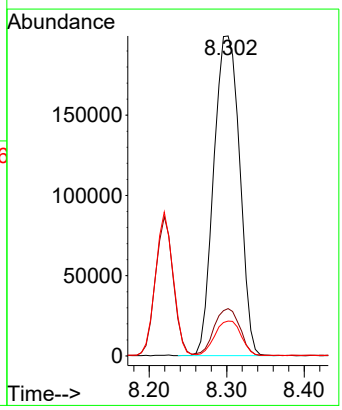


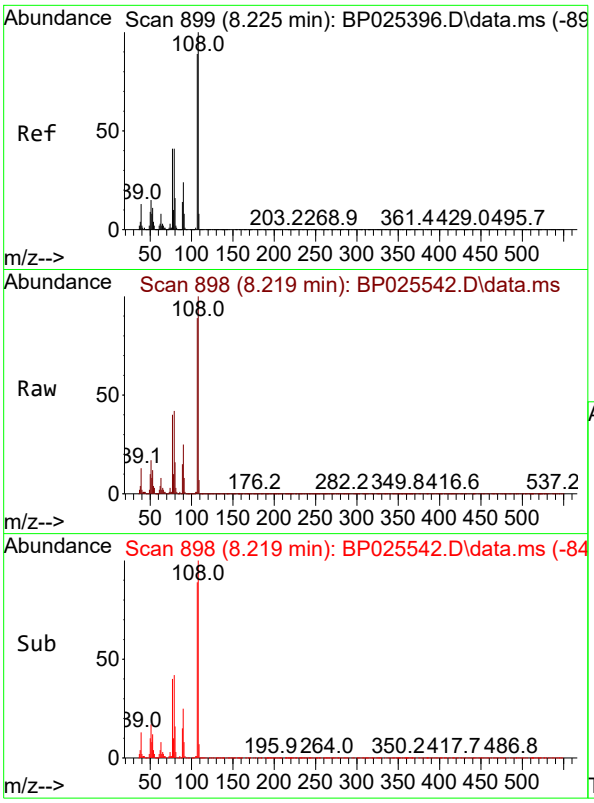


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.140 ng
RT: 8.302 min Scan# 912
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 45 Resp: 462041

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	10.9	0.0	31.8



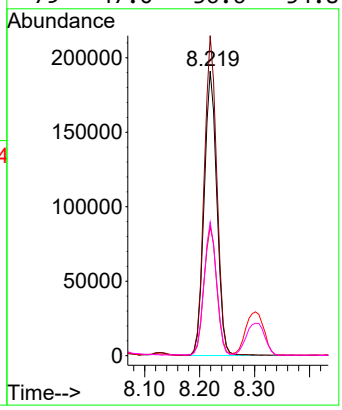


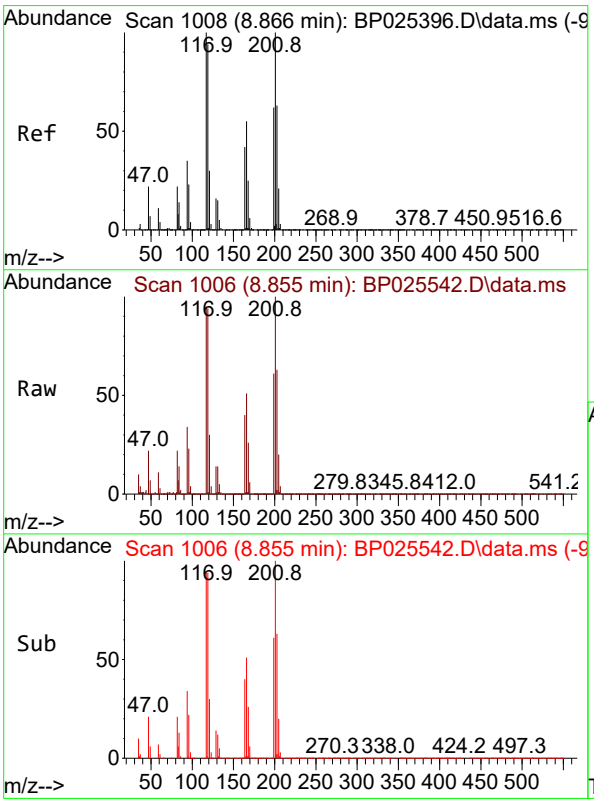
#17
2-Methylphenol
Concen: 40.046 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 306623

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.4	134.0
77	45.4	36.3	54.5
79	47.0	36.6	54.8

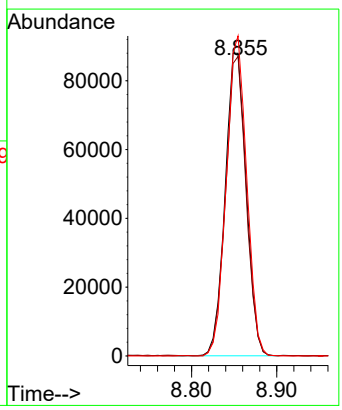


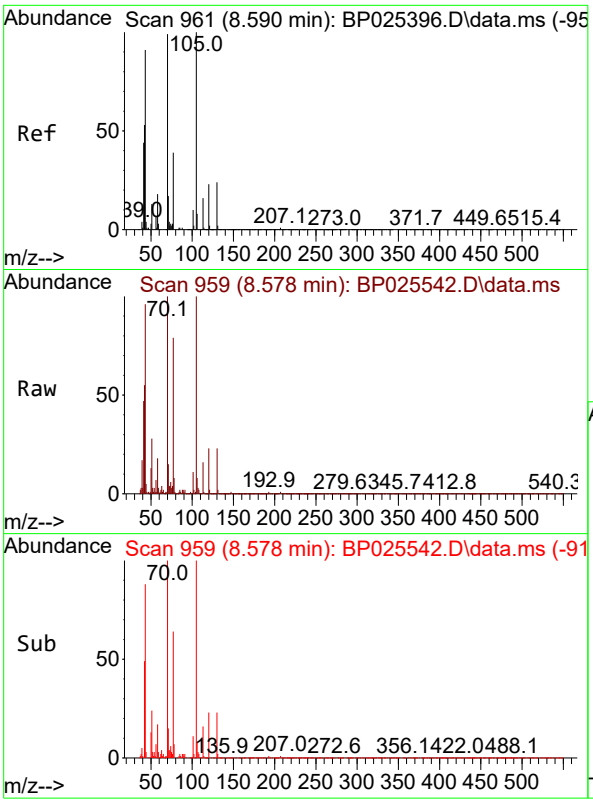


#18
Hexachloroethane
Concen: 39.613 ng
RT: 8.855 min Scan# 1006
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:117 Resp: 151796

Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.1	112.7
201	105.7	80.1	120.1



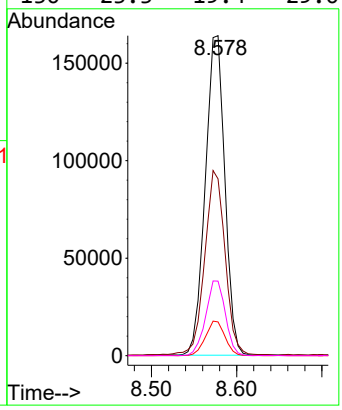


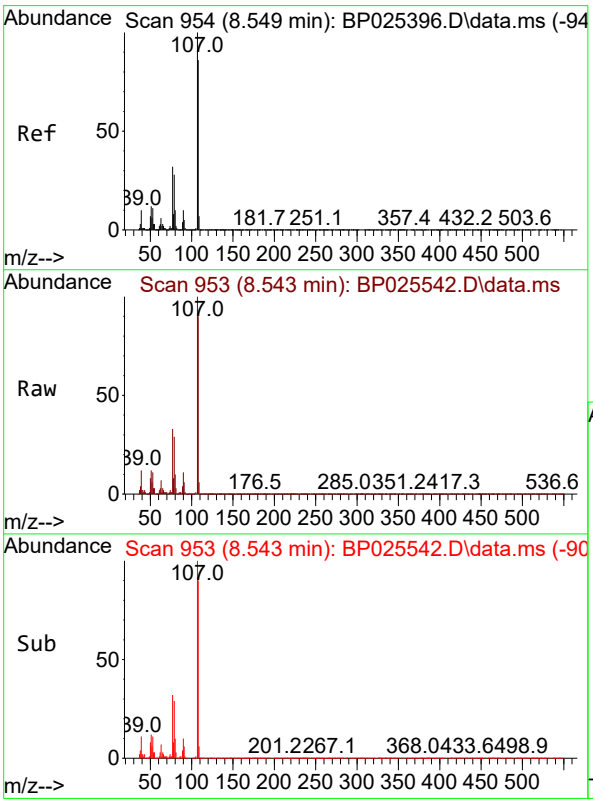
#19
n-Nitroso-di-n-propylamine
Concen: 37.556 ng
RT: 8.578 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 261358

Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.8	65.6
101	10.5	8.5	12.7
130	23.3	19.4	29.0

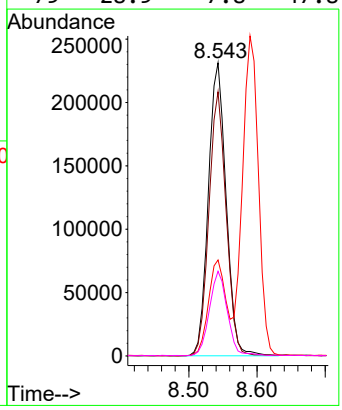


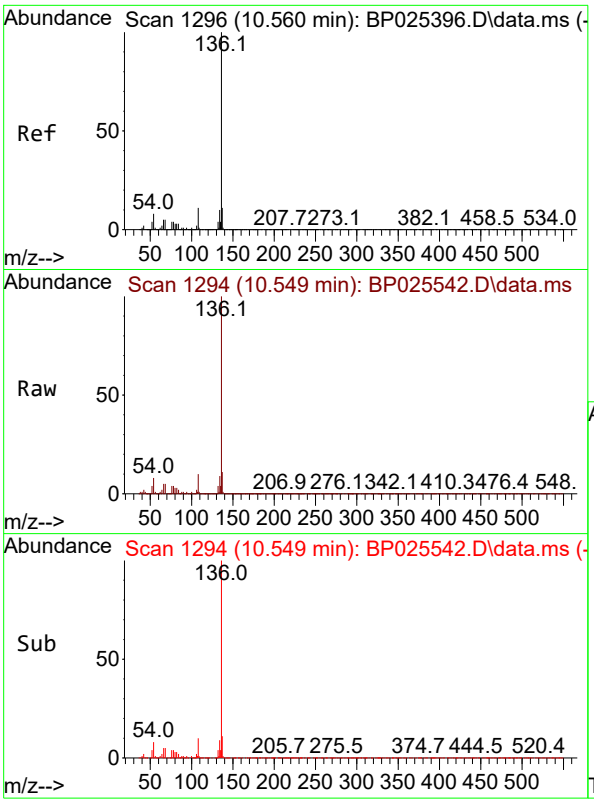


#20
3+4-Methylphenols
Concen: 39.493 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:107 Resp: 419151

Ion	Ratio	Lower	Upper
107	100		
108	90.1	66.3	106.3
77	32.8	12.3	52.3
79	28.9	7.8	47.8



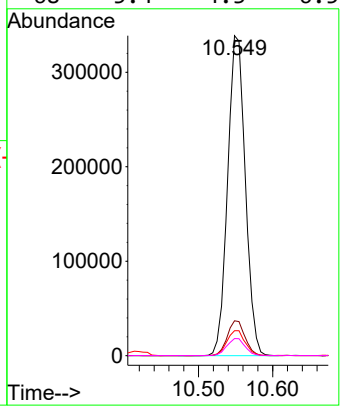


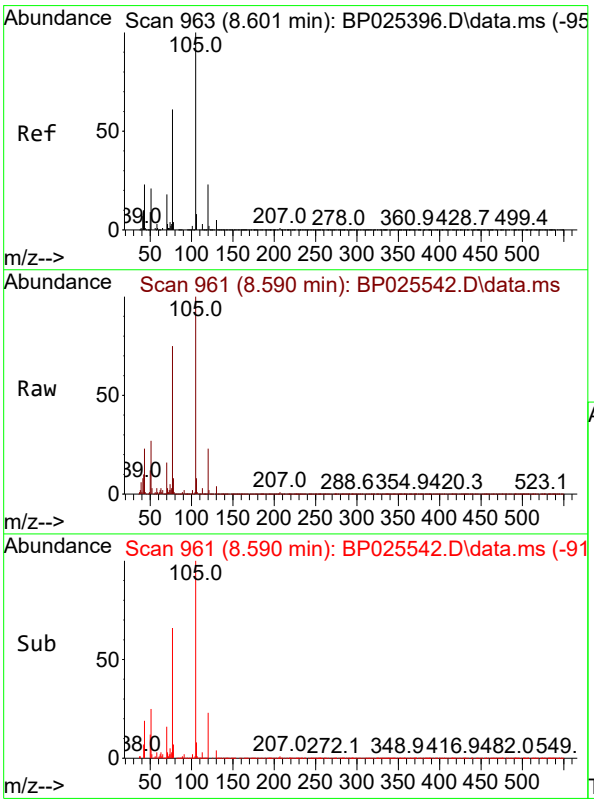
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 561087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.8	6.0	9.0
68	5.4	4.3	6.5

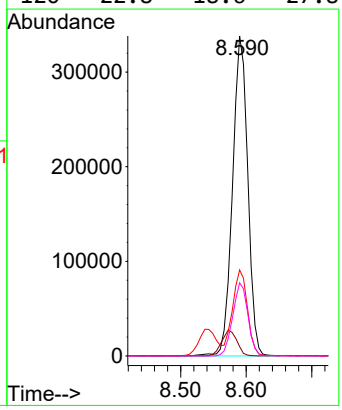


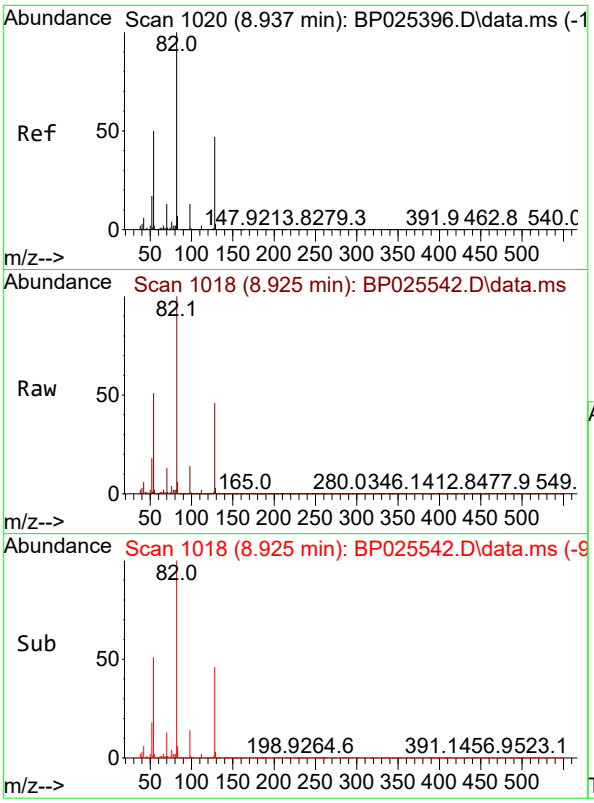


#22
Acetophenone
Concen: 38.928 ng
RT: 8.590 min Scan# 961
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:105 Resp: 547747

Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.6	4.0
51	26.9	20.6	30.8
120	22.8	18.6	27.8



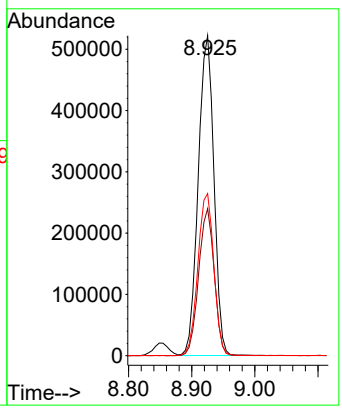


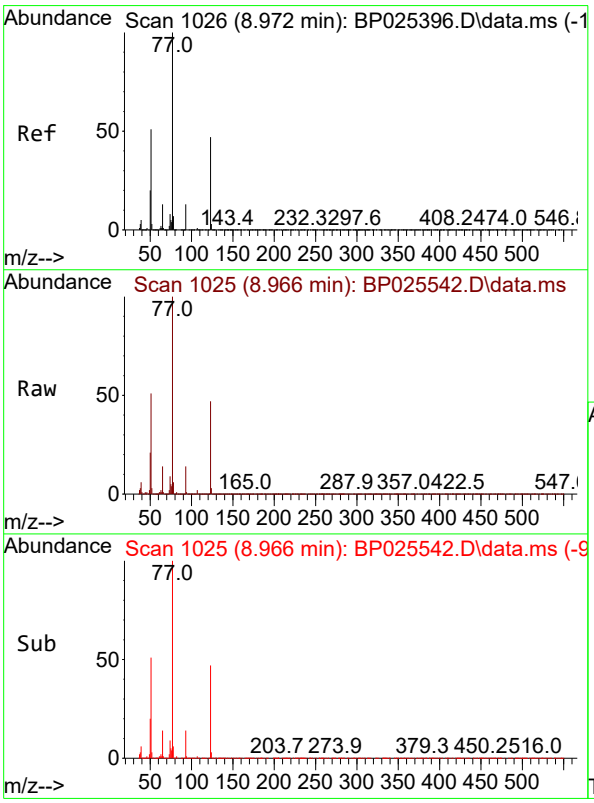
#23
Nitrobenzene-d5
Concen: 81.025 ng
RT: 8.925 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 898712

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	50.7	39.8	59.6

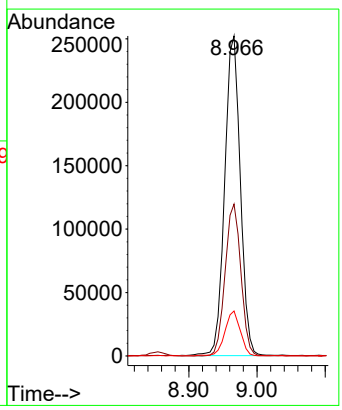


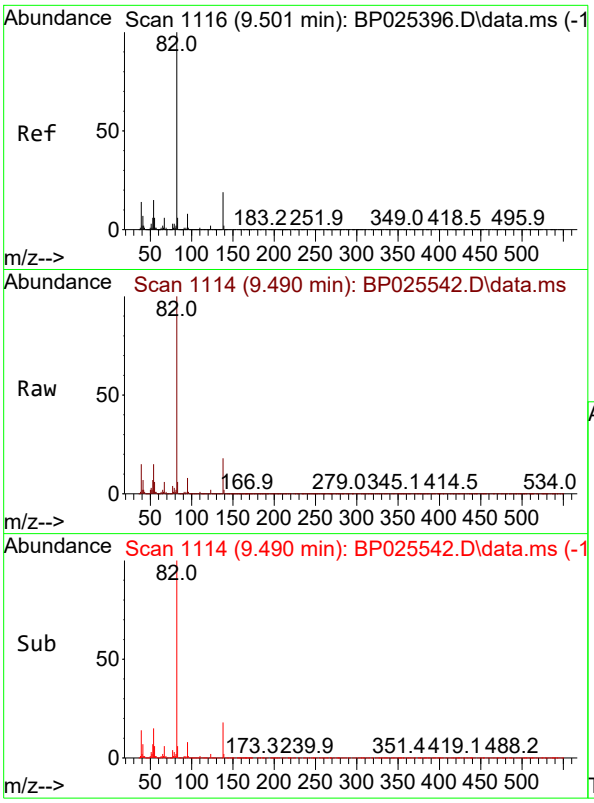


#24
Nitrobenzene
Concen: 40.614 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 77 Resp: 402602

Ion	Ratio	Lower	Upper
77	100		
123	47.4	38.6	58.0
65	14.0	10.6	15.8



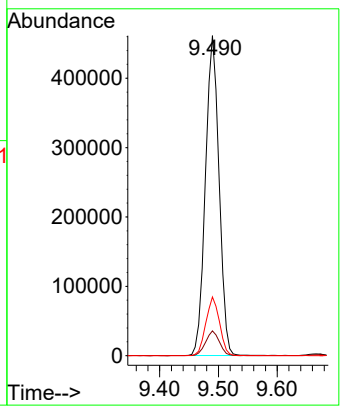


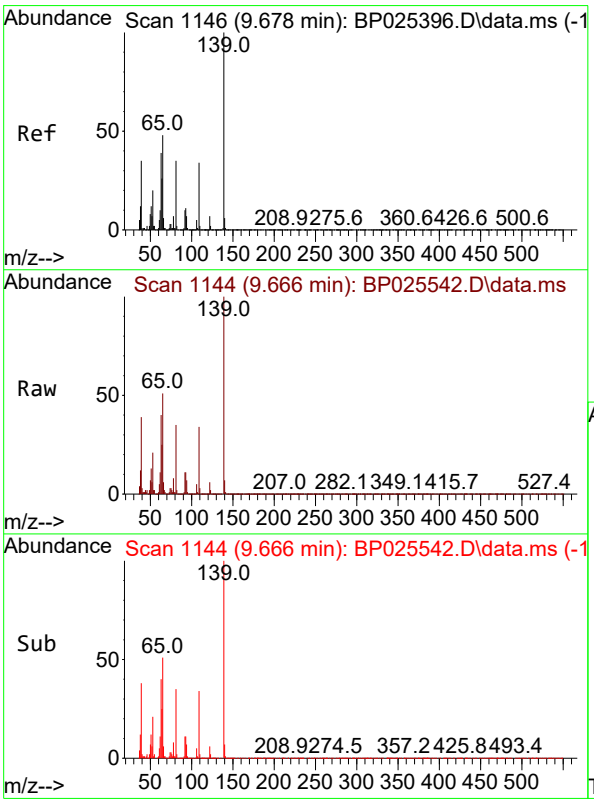
#25
Isophorone
Concen: 37.953 ng
RT: 9.490 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 744998

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.4	15.4	23.0

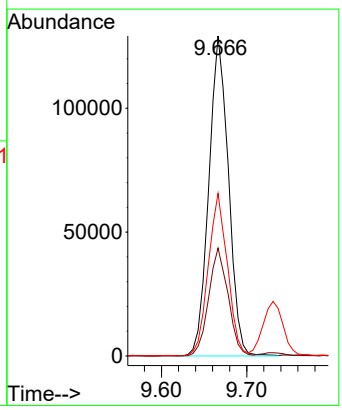


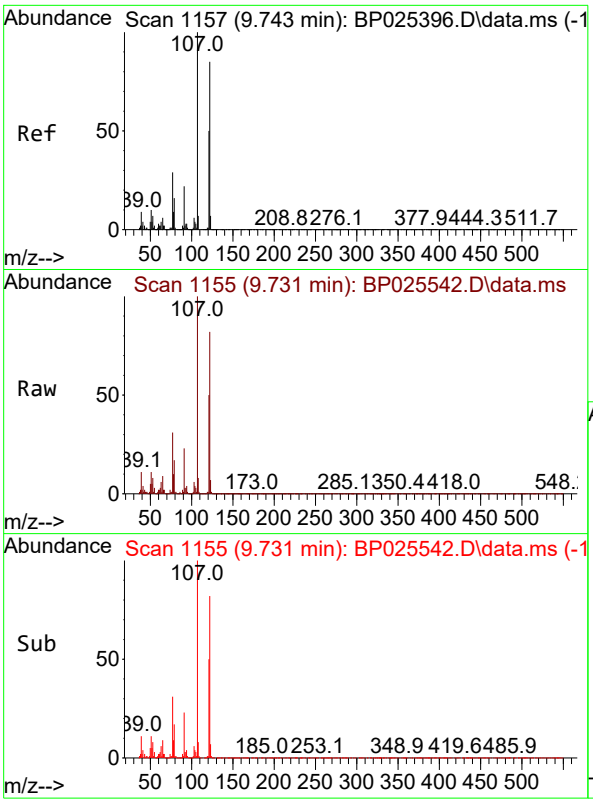


#26
2-Nitrophenol
Concen: 40.687 ng
RT: 9.666 min Scan# 1144
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:139 Resp: 206989

Ion	Ratio	Lower	Upper
139	100		
109	33.7	26.9	40.3
65	50.8	38.3	57.5



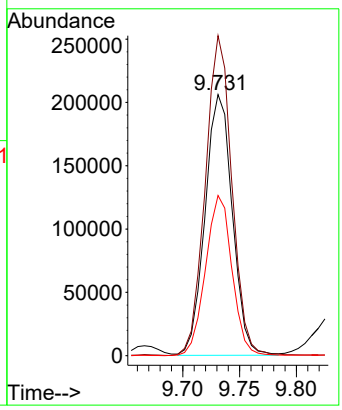


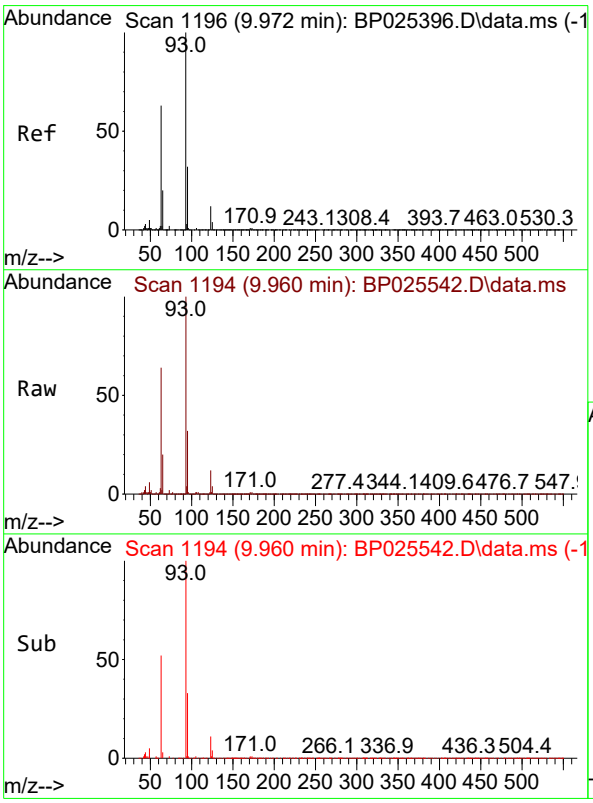
#27
2,4-Dimethylphenol
Concen: 39.319 ng
RT: 9.731 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 343995

Ion	Ratio	Lower	Upper
122	100		
107	122.5	93.7	140.5
121	61.3	46.6	69.8

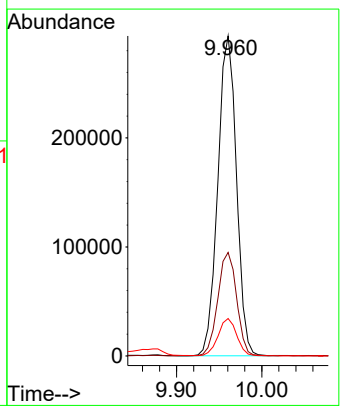


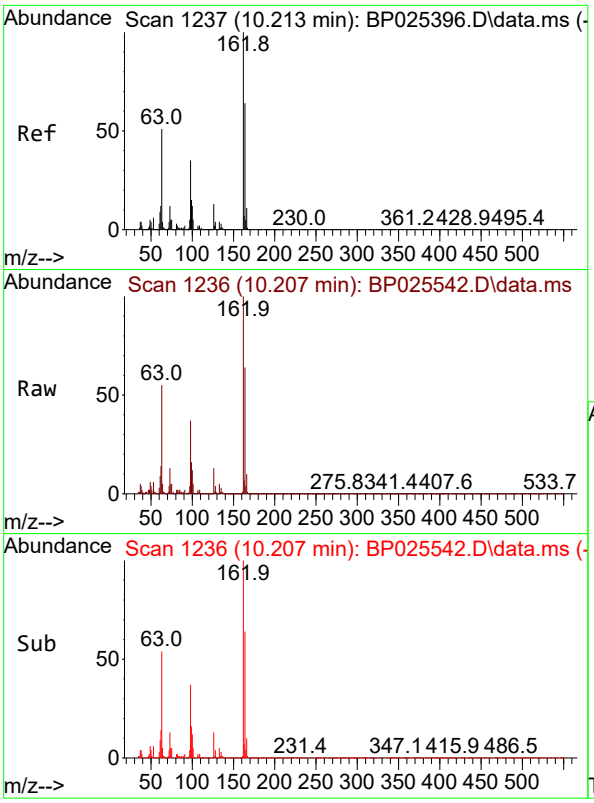


#28
bis(2-Chloroethoxy)methane
Concen: 37.564 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 93 Resp: 445729

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.4	38.0
123	11.7	9.4	14.0



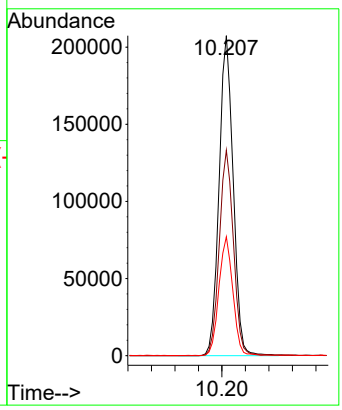


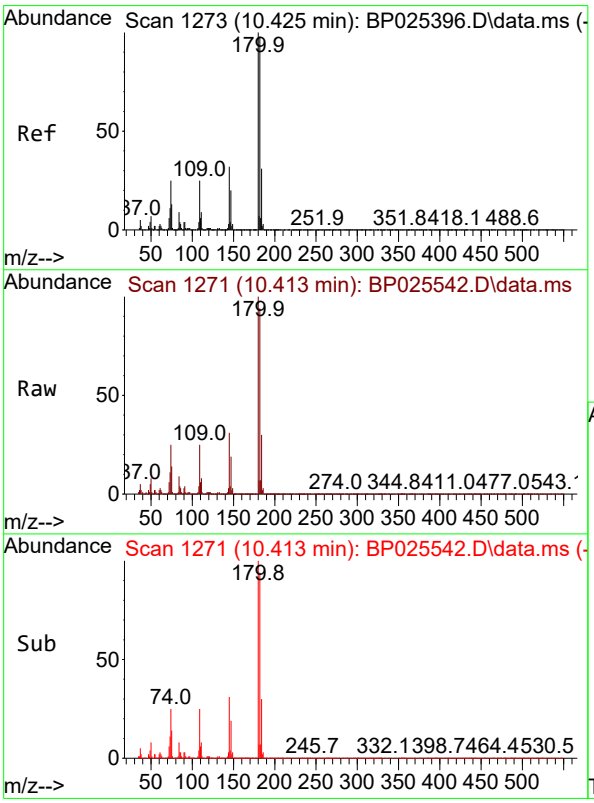
#29
2,4-Dichlorophenol
Concen: 39.571 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 343907

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.4	84.4
98	37.1	14.9	54.9

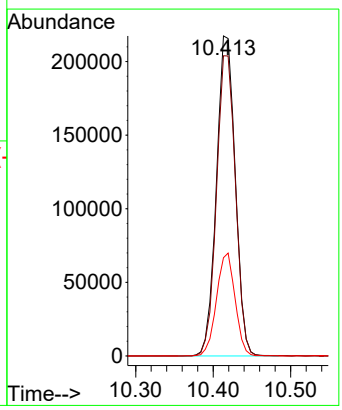


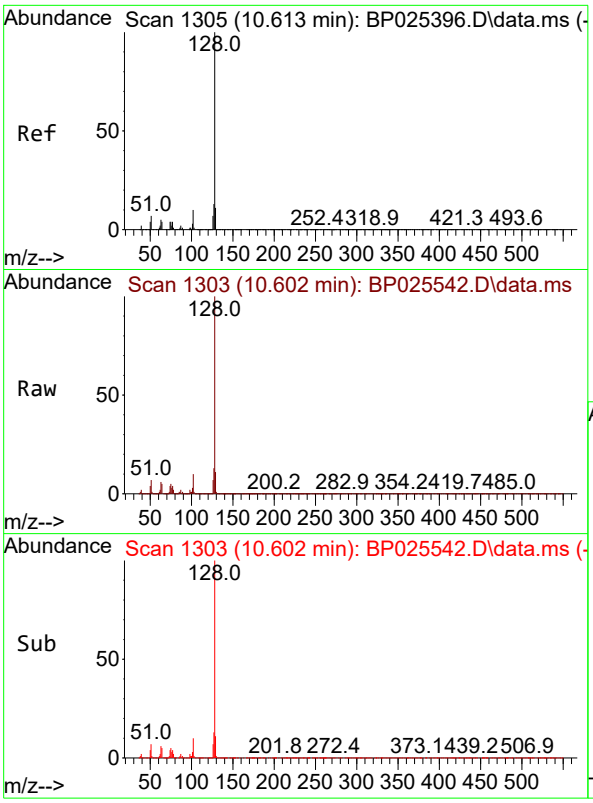


#30
1,2,4-Trichlorobenzene
Concen: 38.564 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:180 Resp: 367404

Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.0	117.0
145	30.7	25.9	38.9



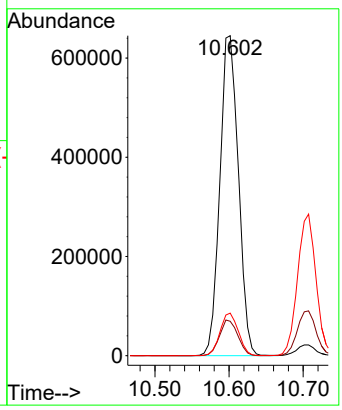


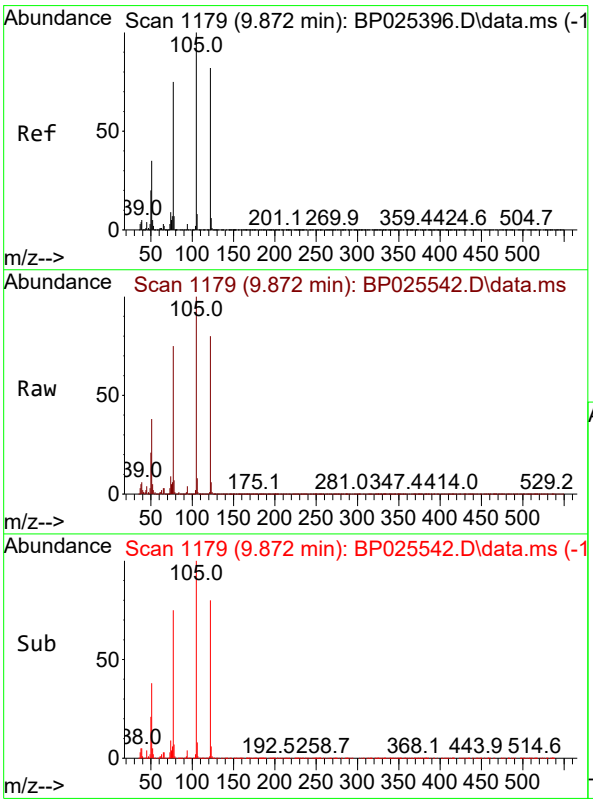
#31
Naphthalene
Concen: 38.386 ng
RT: 10.602 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1119457

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.3	10.7	16.1

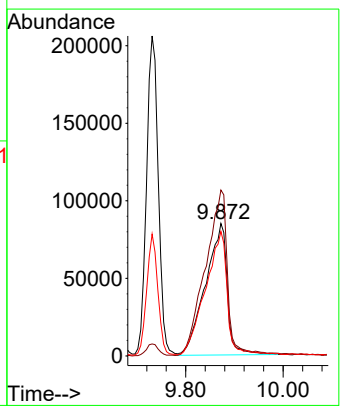


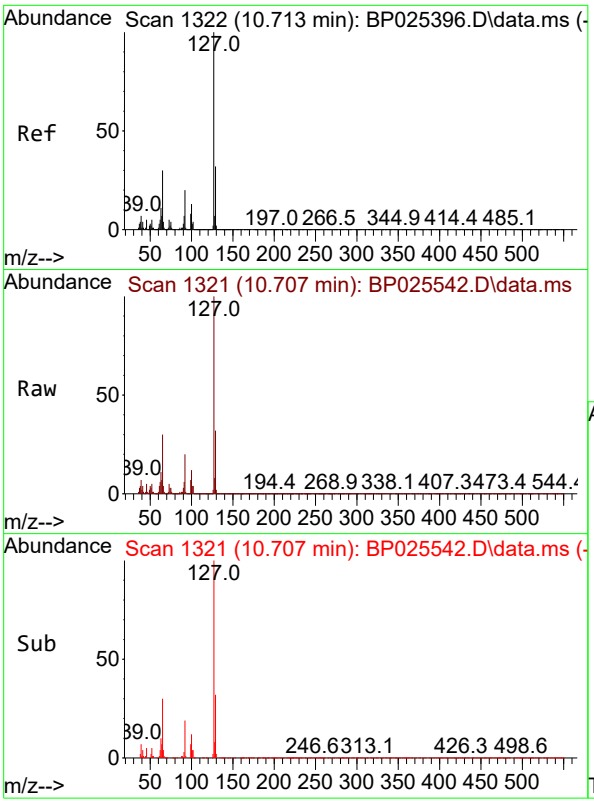


#32
Benzoic acid
Concen: 40.832 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:122 Resp: 263736

Ion	Ratio	Lower	Upper
122	100		
105	125.3	100.6	140.6
77	94.0	71.5	111.5



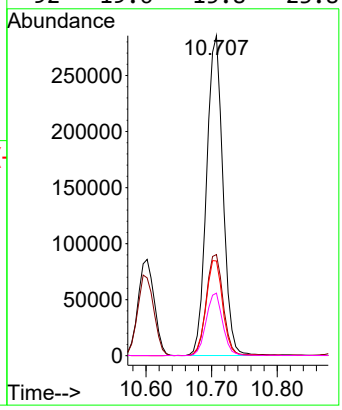


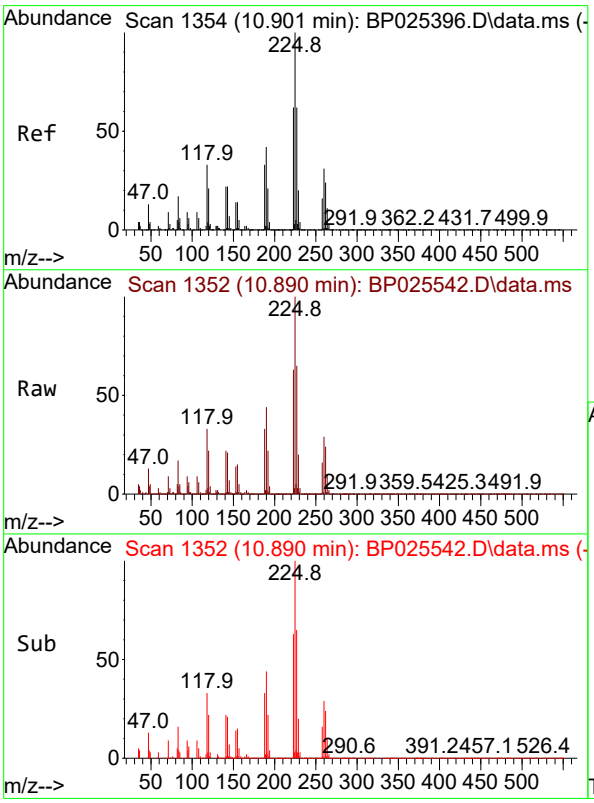
#33
4-Chloroaniline
Concen: 38.492 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 495841

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.2
65	29.6	23.8	35.6
92	19.6	15.8	23.8

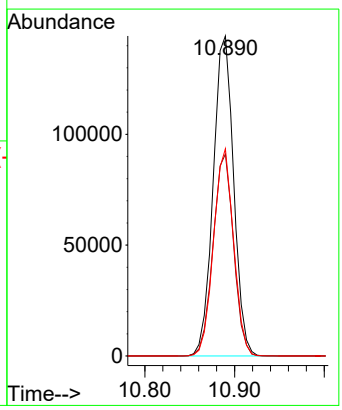


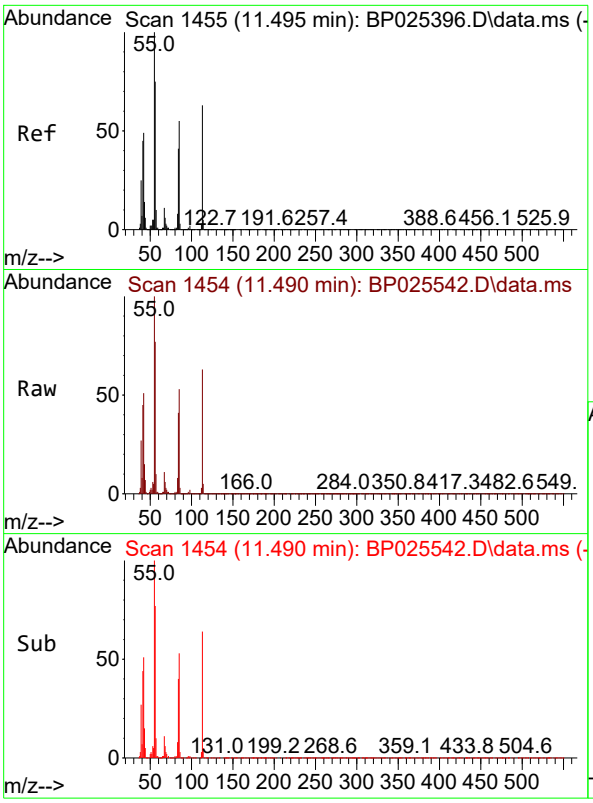


#34
Hexachlorobutadiene
Concen: 38.476 ng
RT: 10.890 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:225 Resp: 228289

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0
227	64.8	49.7	74.5



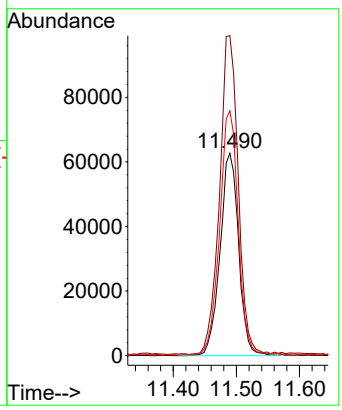


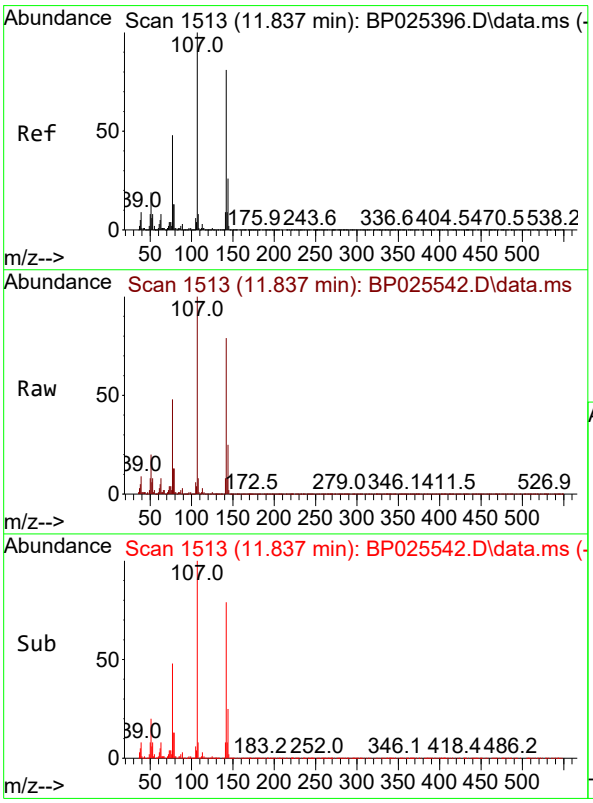
#35
Caprolactam
Concen: 40.117 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 127845

Ion	Ratio	Lower	Upper
113	100		
55	158.0	140.0	180.0
56	121.0	100.0	140.0

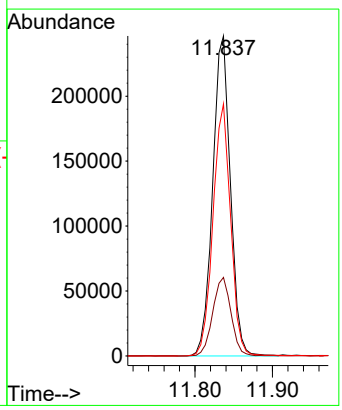


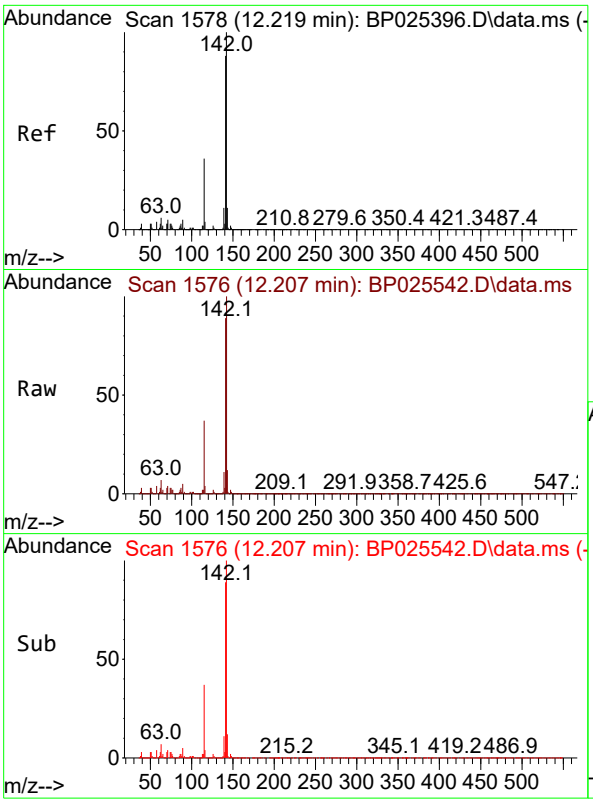


#36
4-Chloro-3-methylphenol
Concen: 39.266 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:107 Resp: 391584

Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.0	31.4
142	78.7	64.6	97.0



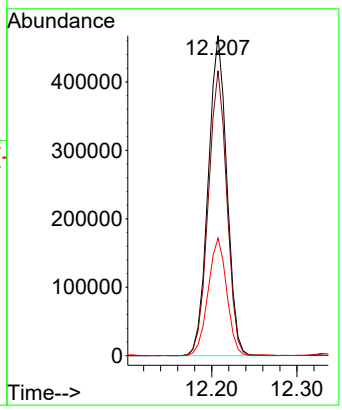


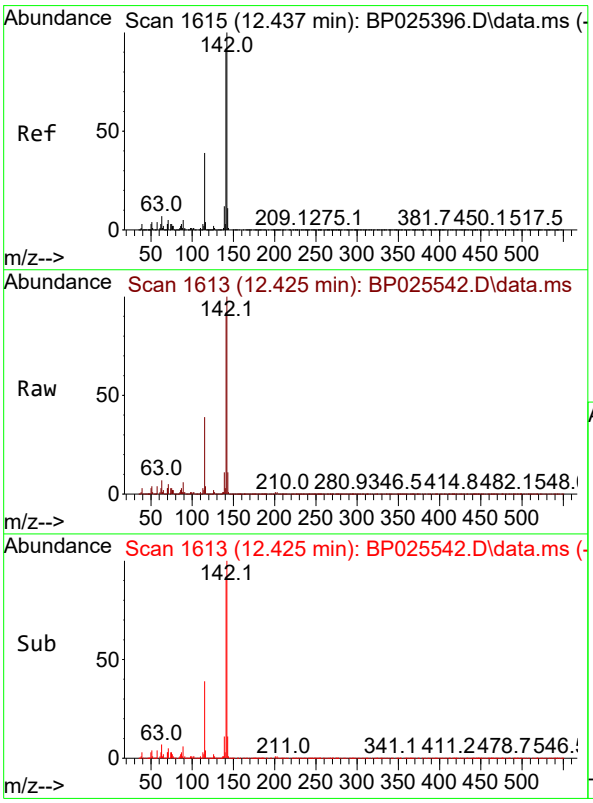
#37
2-Methylnaphthalene
Concen: 37.480 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 711313

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	36.8	28.9	43.3

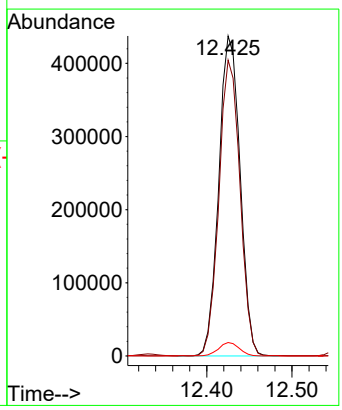


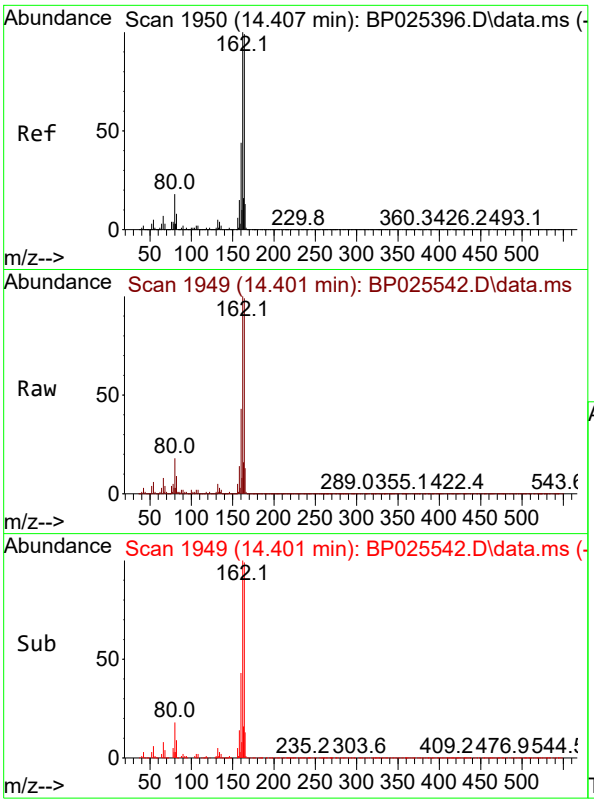


#38
1-Methylnaphthalene
Concen: 37.614 ng
RT: 12.425 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:142 Resp: 759140

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.1	109.7
116	4.2	3.2	4.8



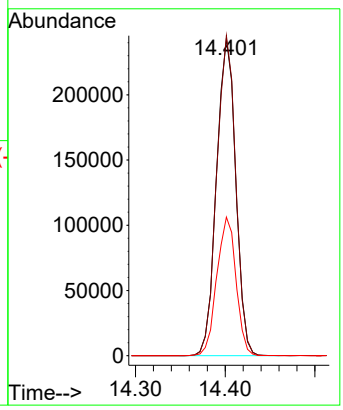


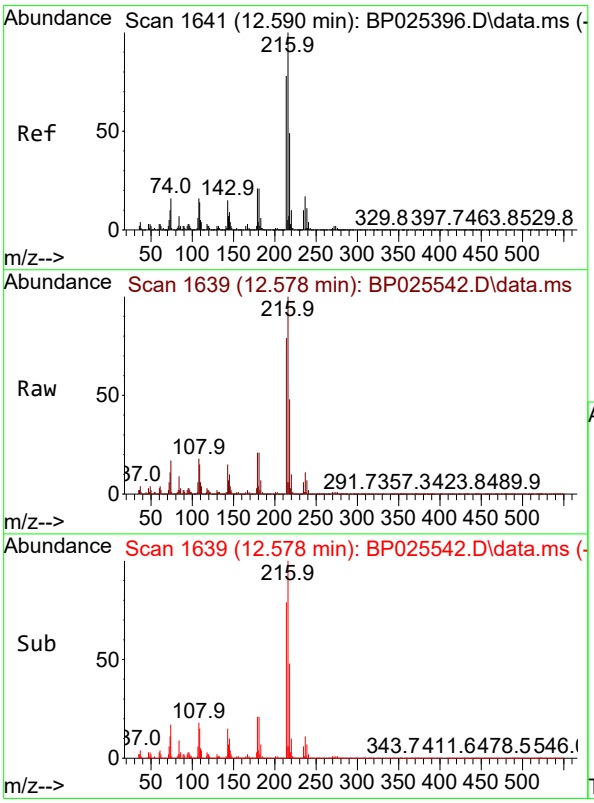
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 361820

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.0	121.6
160	43.7	35.4	53.2

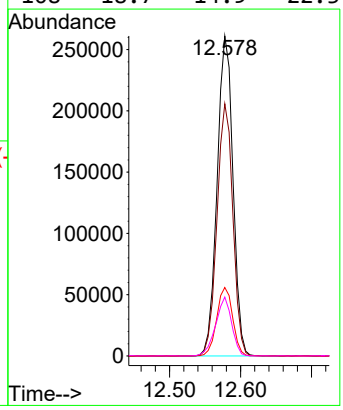


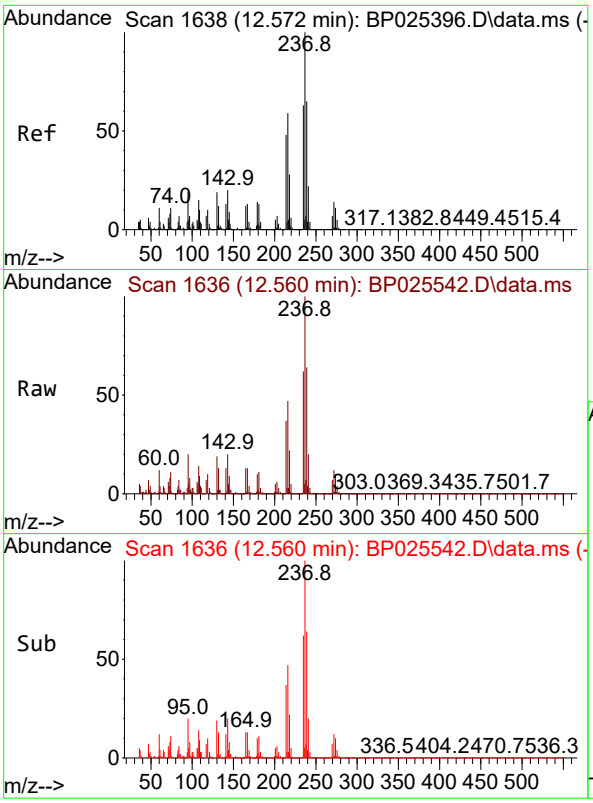


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.576 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:216 Resp: 403111

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.6	17.1	25.7
108	18.7	14.9	22.3



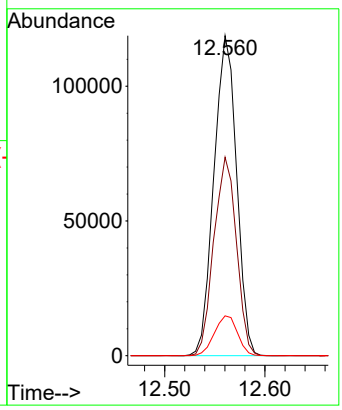


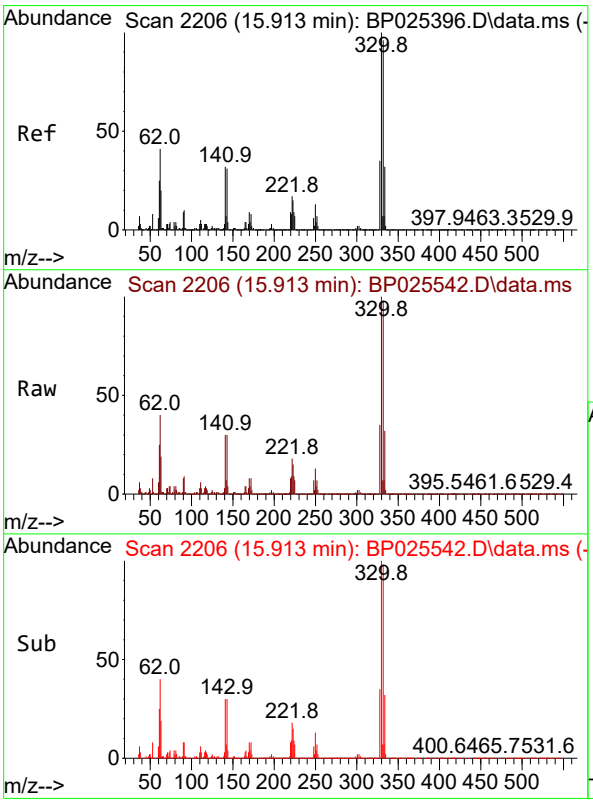
#41
Hexachlorocyclopentadiene
Concen: 29.463 ng
RT: 12.560 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 185973

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.7	82.7
272	12.5	0.0	34.0

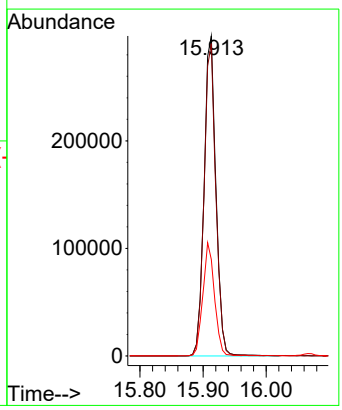


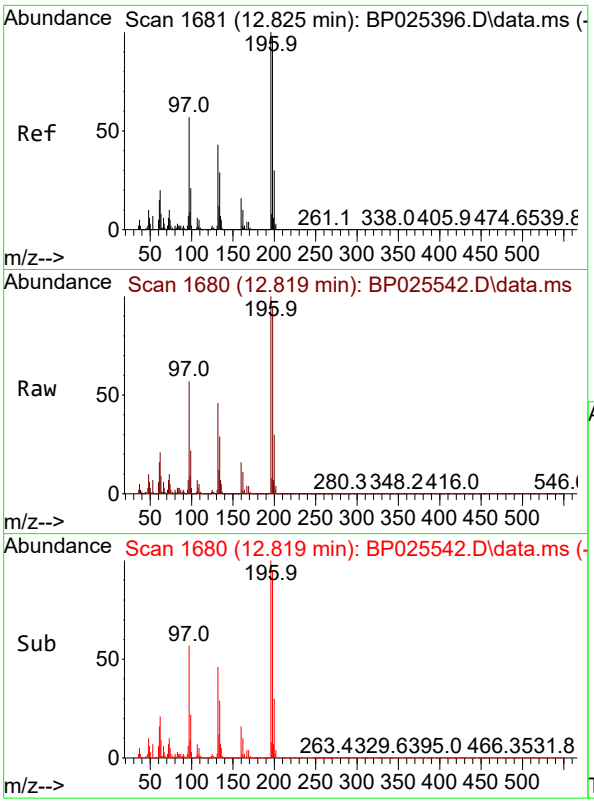


#42
2,4,6-Tribromophenol
Concen: 79.265 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:330 Resp: 386032

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	34.8	26.6	39.8



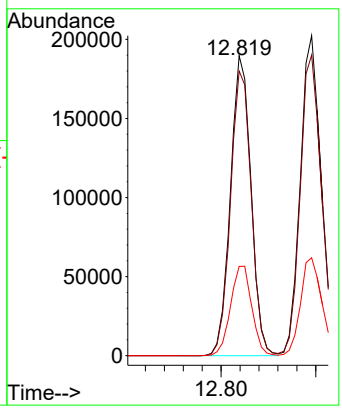


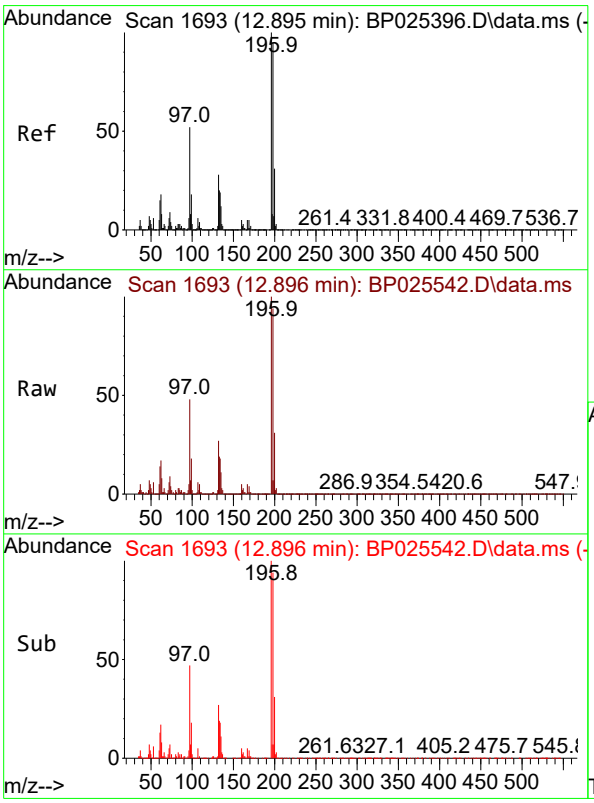
#43
2,4,6-Trichlorophenol
Concen: 40.614 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 286518

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.2	115.8
200	29.8	23.9	35.9

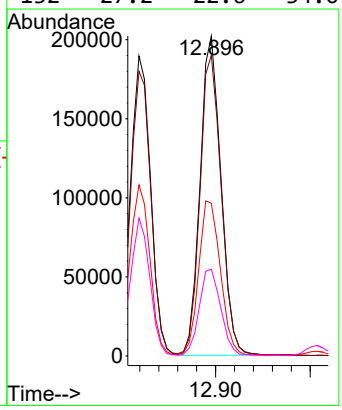


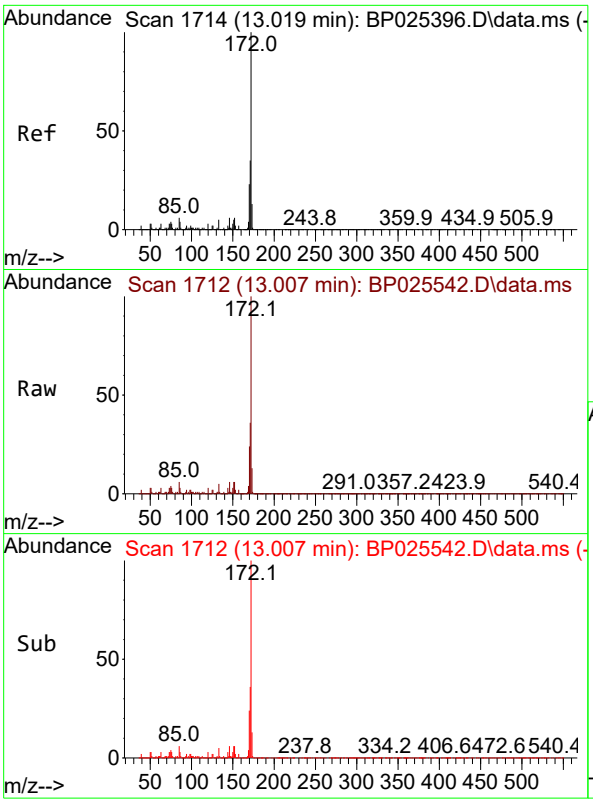


#44
2,4,5-Trichlorophenol
Concen: 40.151 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:196 Resp: 310439

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.2	114.2
97	47.8	41.2	61.8
132	27.2	22.6	34.0



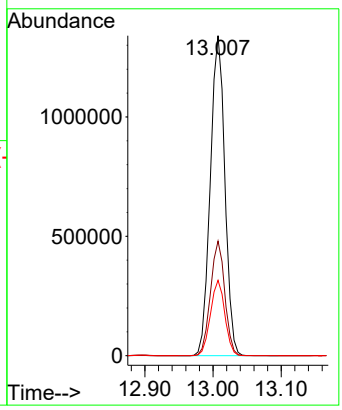


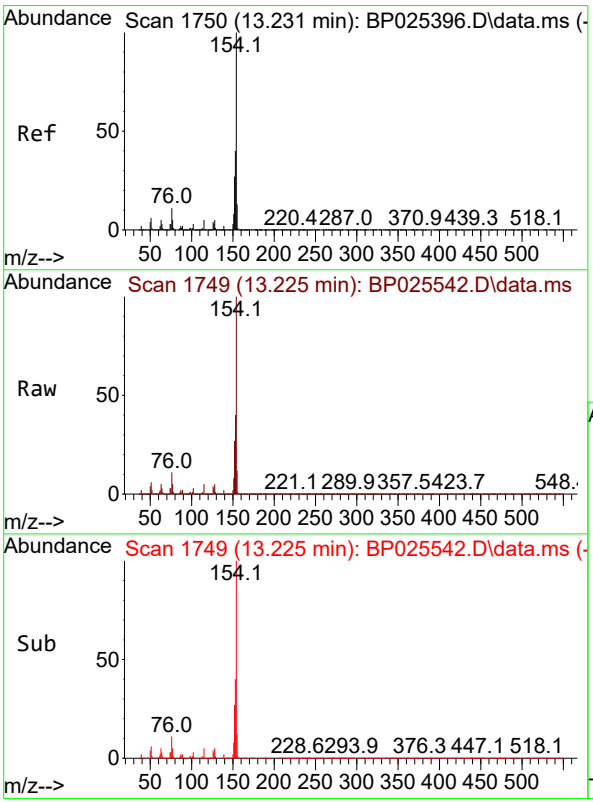
#45
2-Fluorobiphenyl
Concen: 75.290 ng
RT: 13.007 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1993253

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.1	42.1
170	23.6	18.6	28.0

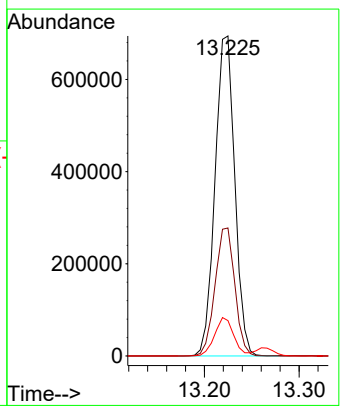


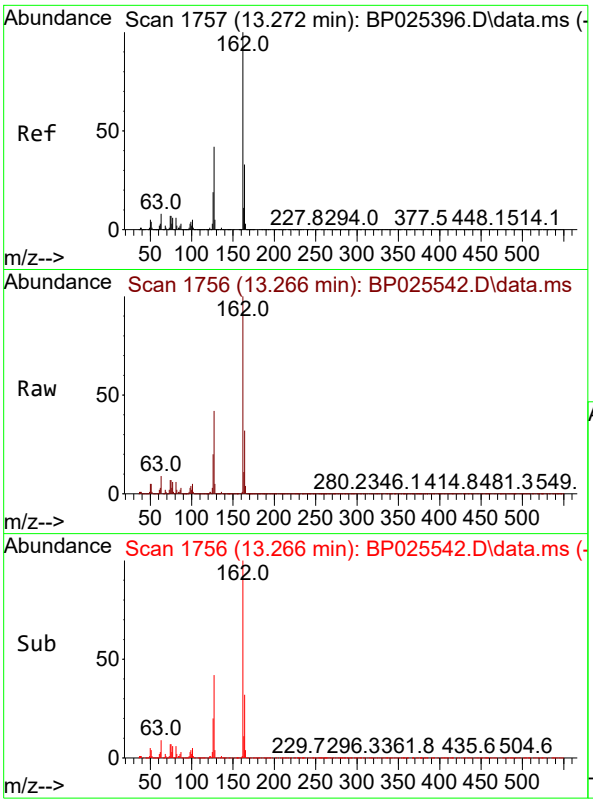


#46
1,1'-Biphenyl
Concen: 38.311 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:154 Resp: 1006707

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.5	59.5
76	11.1	0.0	31.1



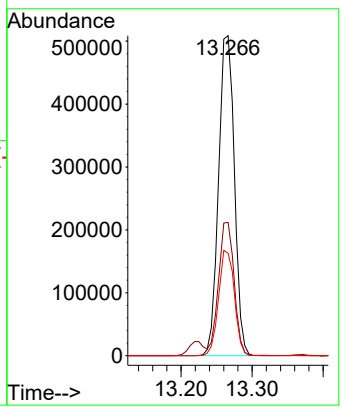


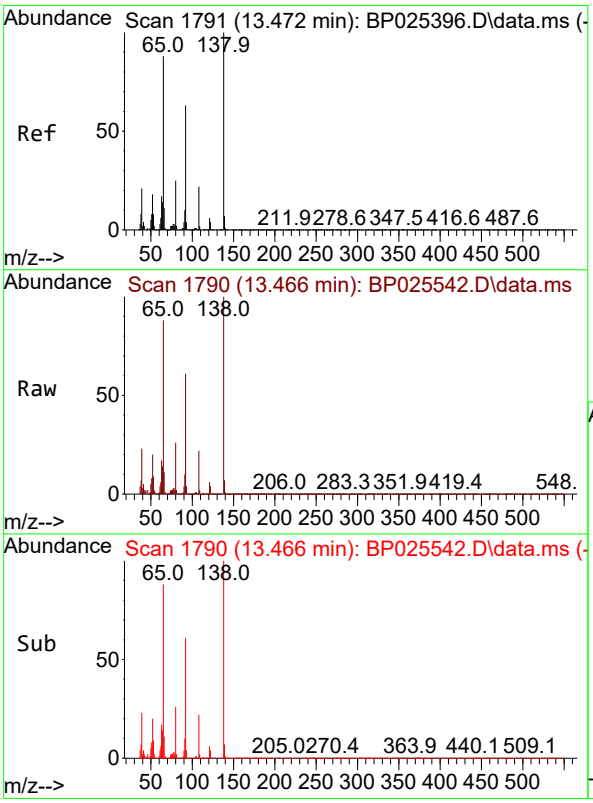
#47
2-Chloronaphthalene
Concen: 38.384 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 785215

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	32.0	26.2	39.2

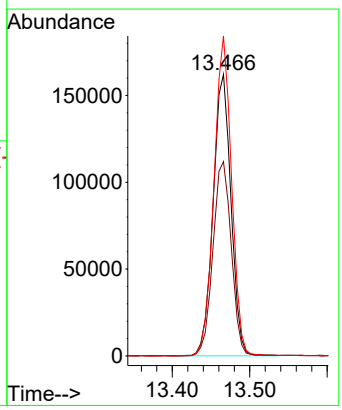


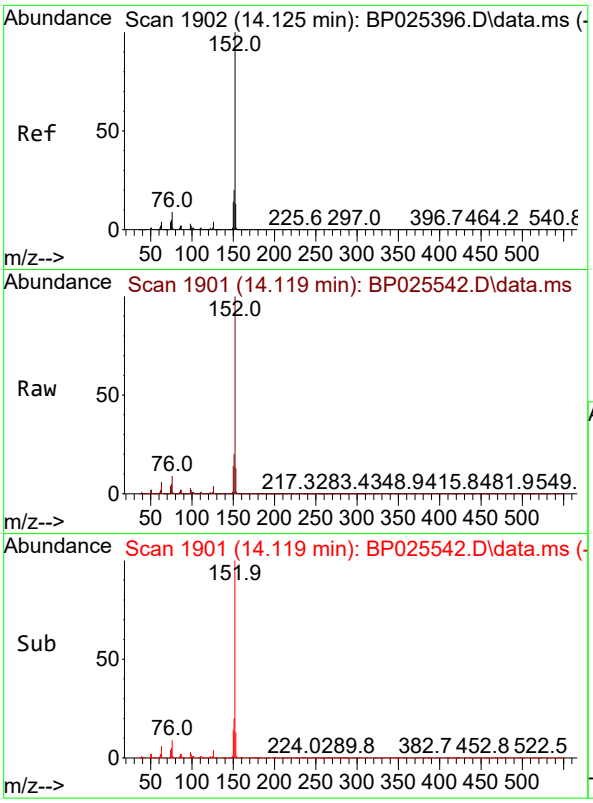


#48
2-Nitroaniline
Concen: 43.505 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion: 65 Resp: 259315

Ion	Ratio	Lower	Upper
65	100		
92	69.1	57.6	86.4
138	113.7	91.0	136.6



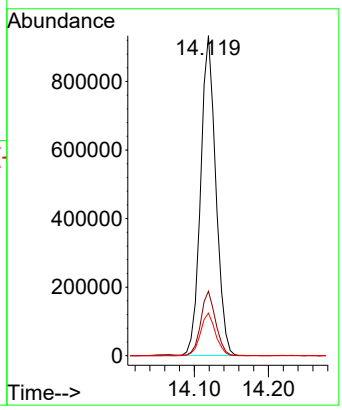


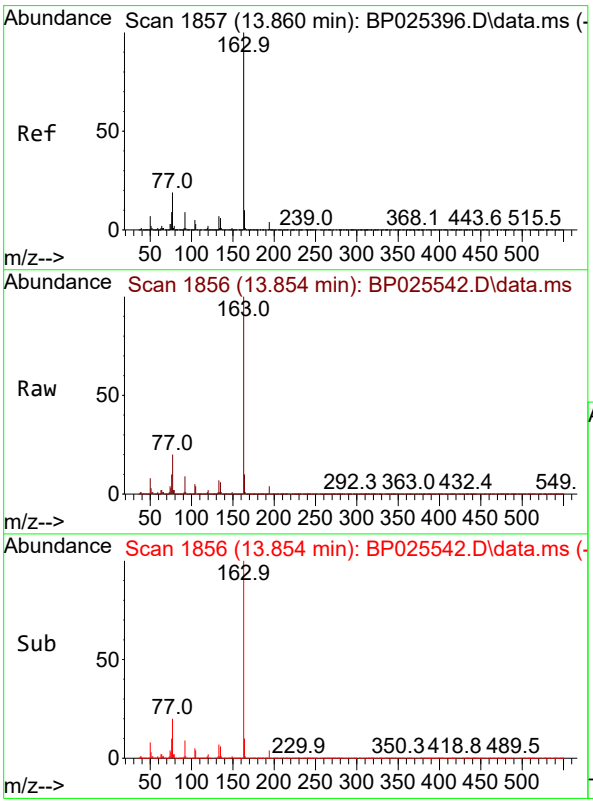
#49
Acenaphthylene
Concen: 39.147 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1325117

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	10.6	15.8

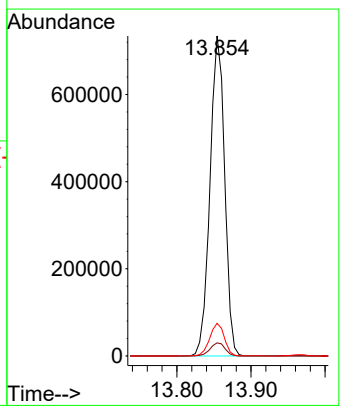


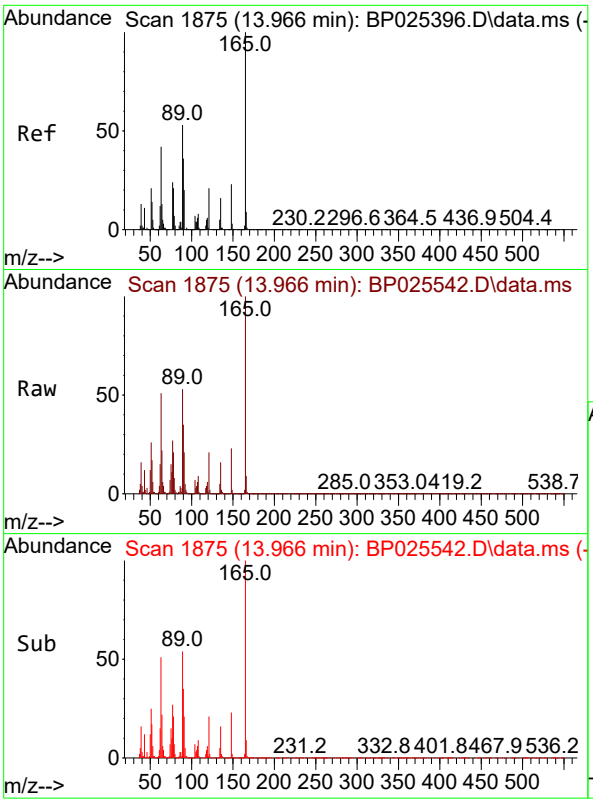


#50
Dimethylphthalate
Concen: 38.049 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:163 Resp: 1008135

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	7.9	11.9



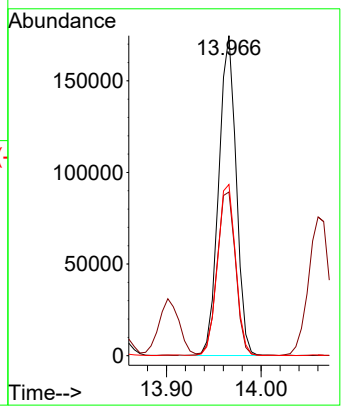


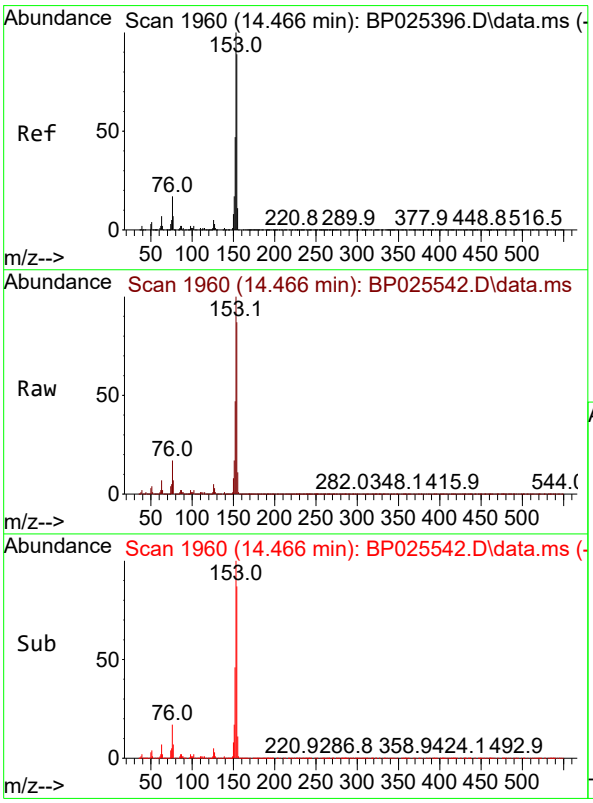
#51
2,6-Dinitrotoluene
Concen: 40.158 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 224262

Ion	Ratio	Lower	Upper
165	100		
63	51.1	40.9	61.3
89	53.5	42.1	63.1

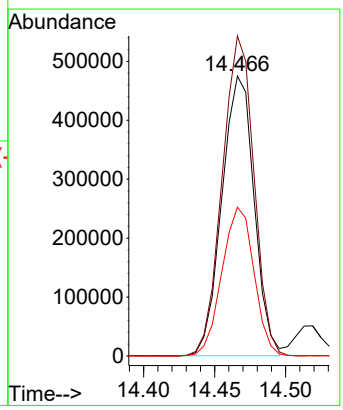


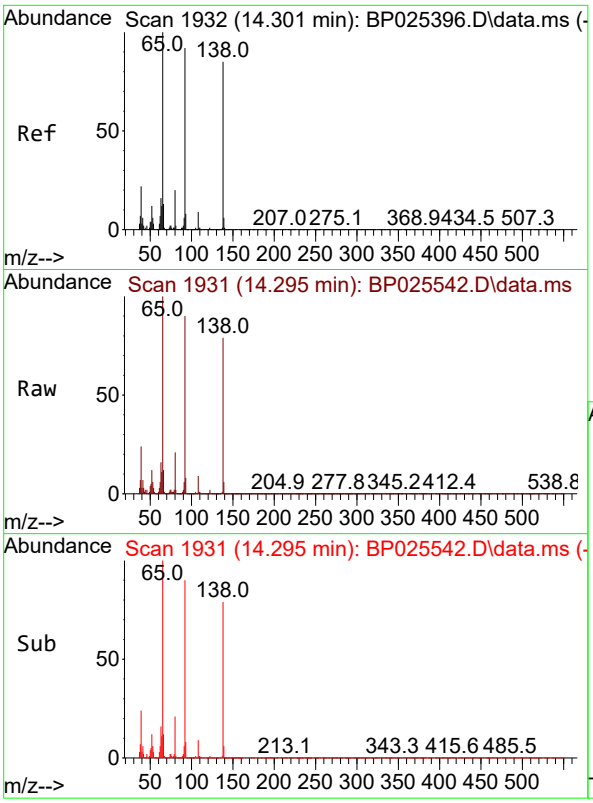


#52
Acenaphthene
Concen: 37.805 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:154 Resp: 751169

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.2	135.2
152	53.2	42.1	63.1



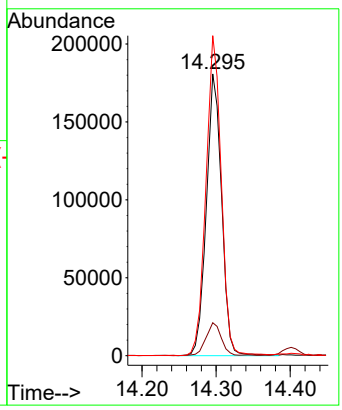


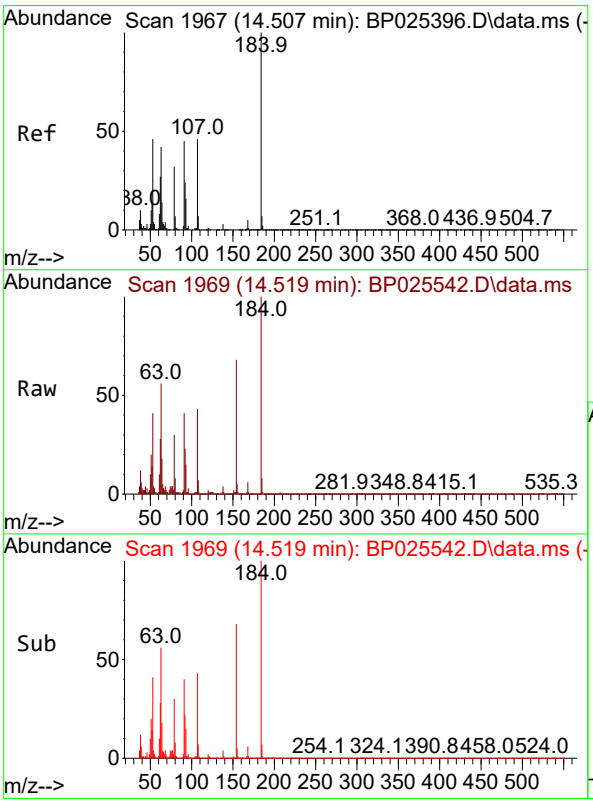
#53
3-Nitroaniline
Concen: 41.145 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 258517

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	113.6	86.2	129.2

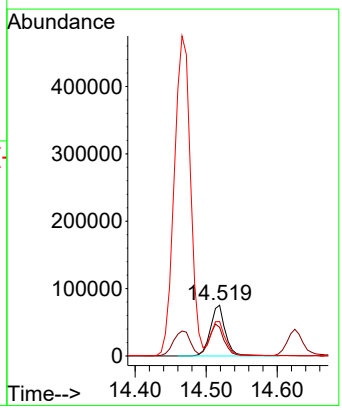


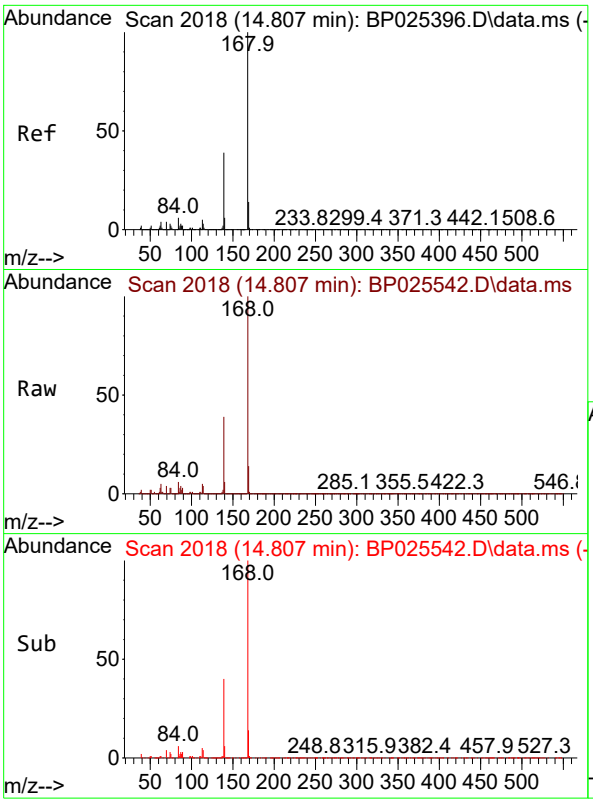


#54
2,4-Dinitrophenol
Concen: 36.791 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:184 Resp: 109722

Ion	Ratio	Lower	Upper
184	100		
63	56.3	49.4	74.2
154	67.8	54.6	82.0



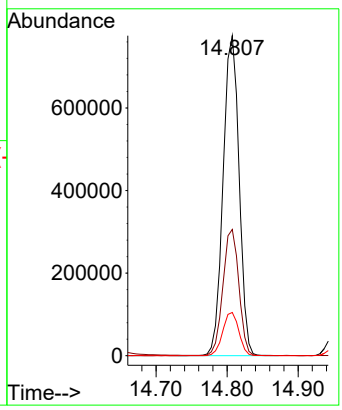


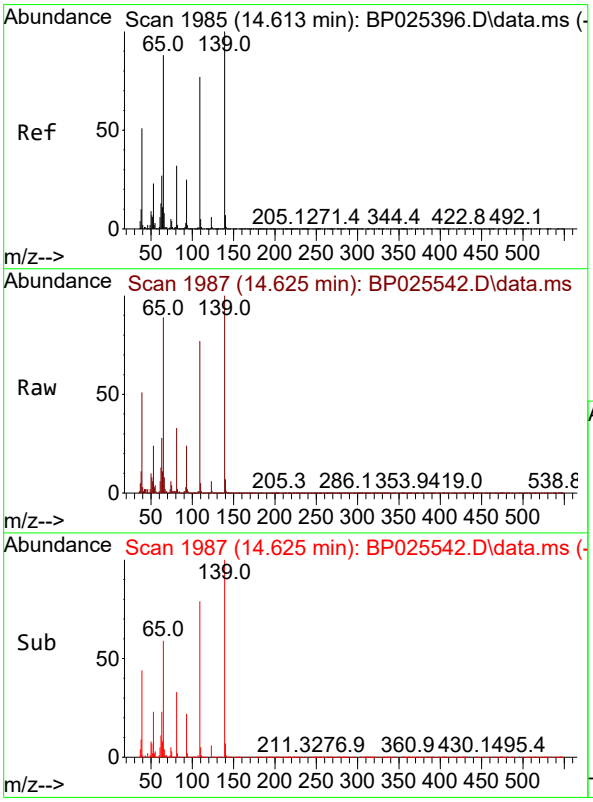
#55
Dibenzofuran
Concen: 38.412 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1206654

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	13.5	10.9	16.3

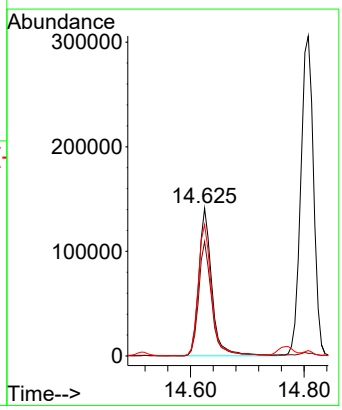


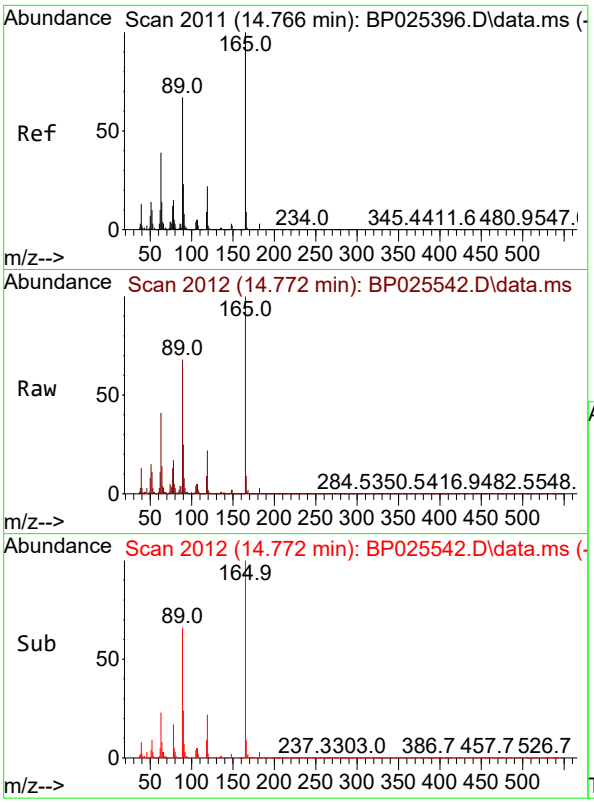


#56
4-Nitrophenol
Concen: 43.509 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:139 Resp: 224642

Ion	Ratio	Lower	Upper
139	100		
109	77.5	56.6	96.6
65	89.0	68.2	108.2



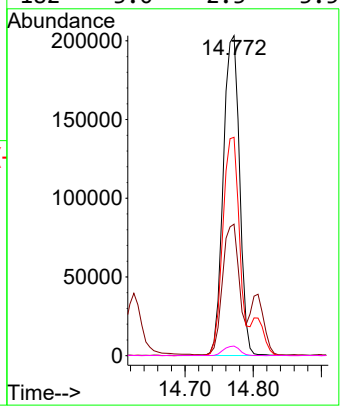


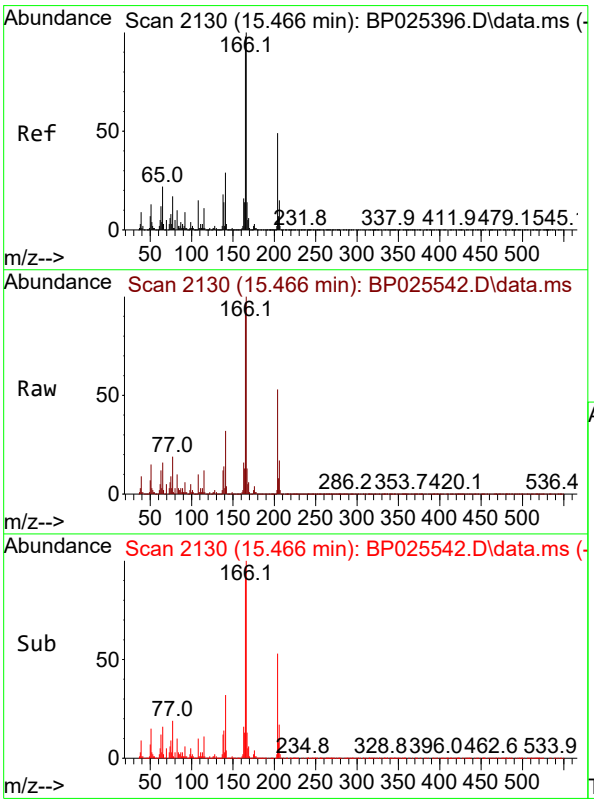
#57
2,4-Dinitrotoluene
Concen: 42.389 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 337744

Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	68.2	53.3	79.9
182	3.0	2.3	3.5

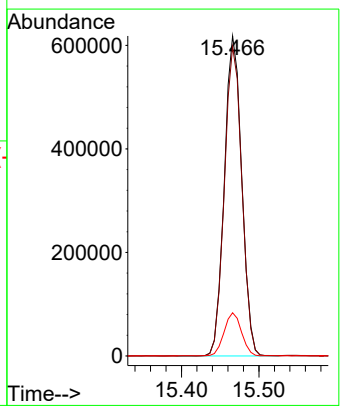


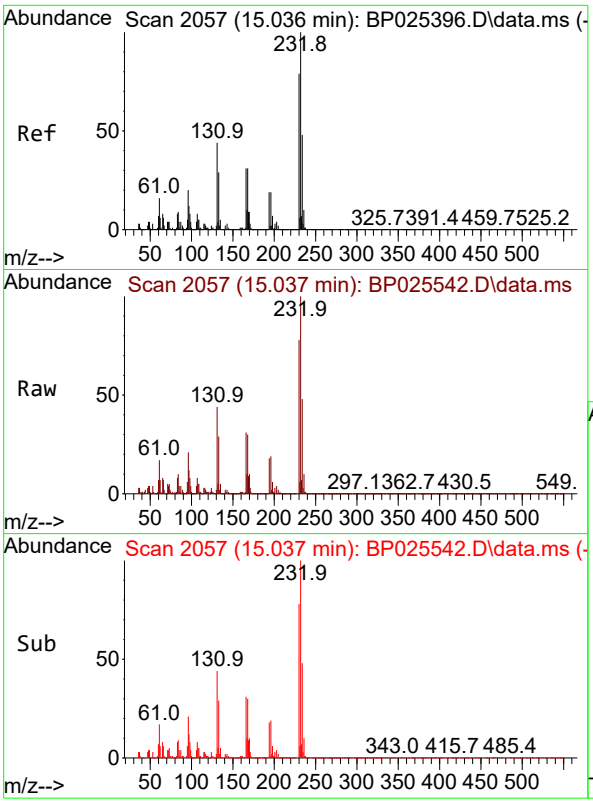


#58
Fluorene
Concen: 38.896 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:166 Resp: 964124

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	13.5	11.0	16.4



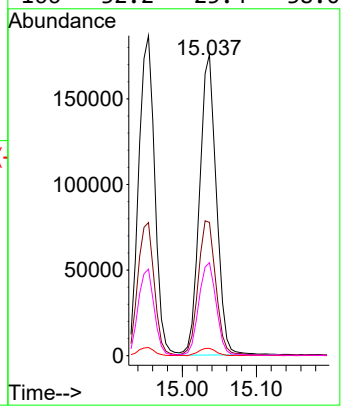


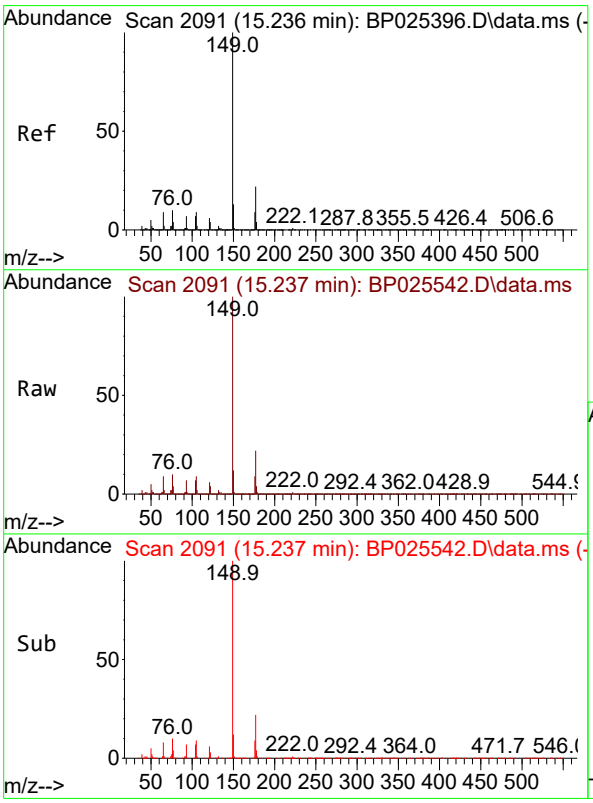
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.314 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 275227

Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.0	55.6
130	2.5	1.9	2.9
166	32.2	25.4	38.0

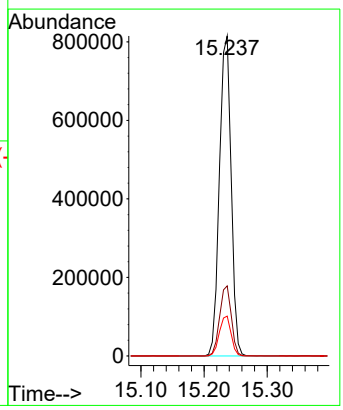


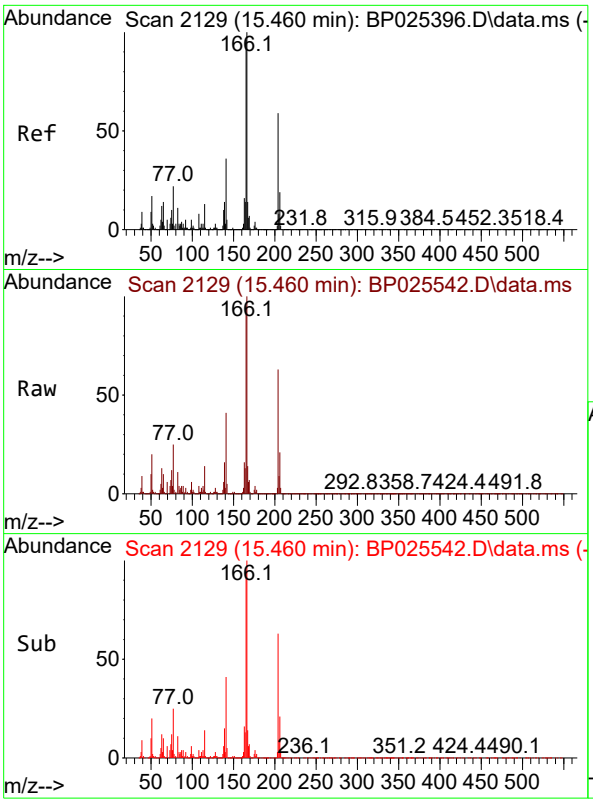


#60
Diethylphthalate
Concen: 38.961 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:149 Resp: 1048925

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.5	10.3	15.5



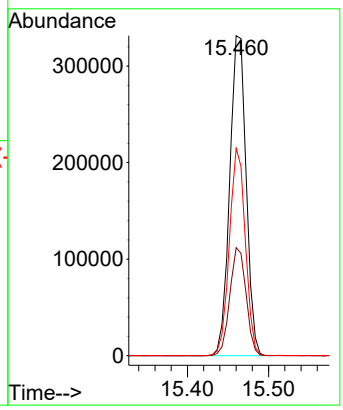


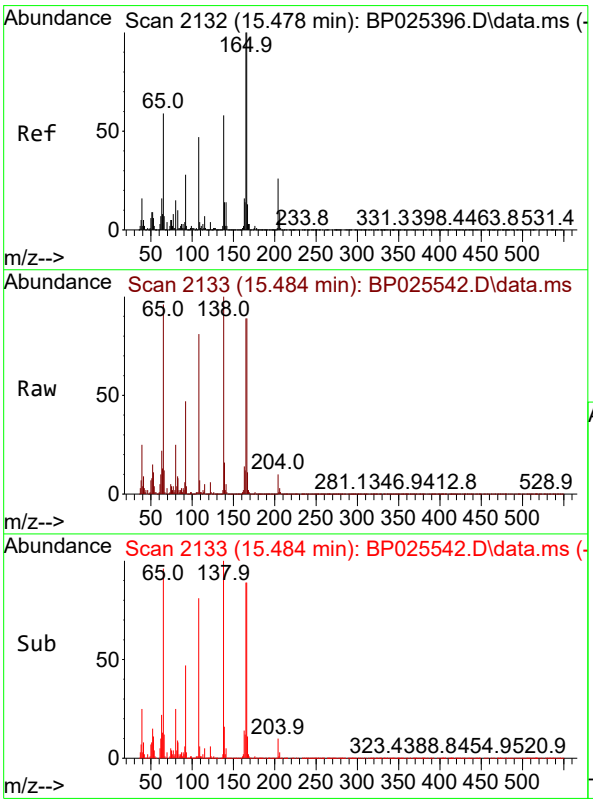
#61
4-Chlorophenyl-phenylether
Concen: 37.771 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 465636

Ion	Ratio	Lower	Upper
204	100		
206	33.8	25.8	38.8
141	64.8	49.4	74.2

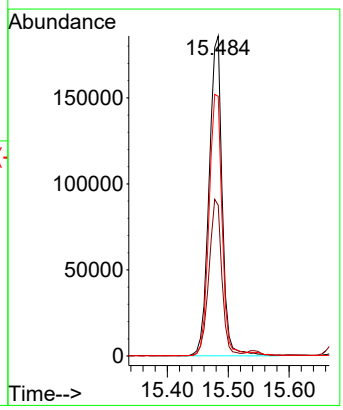


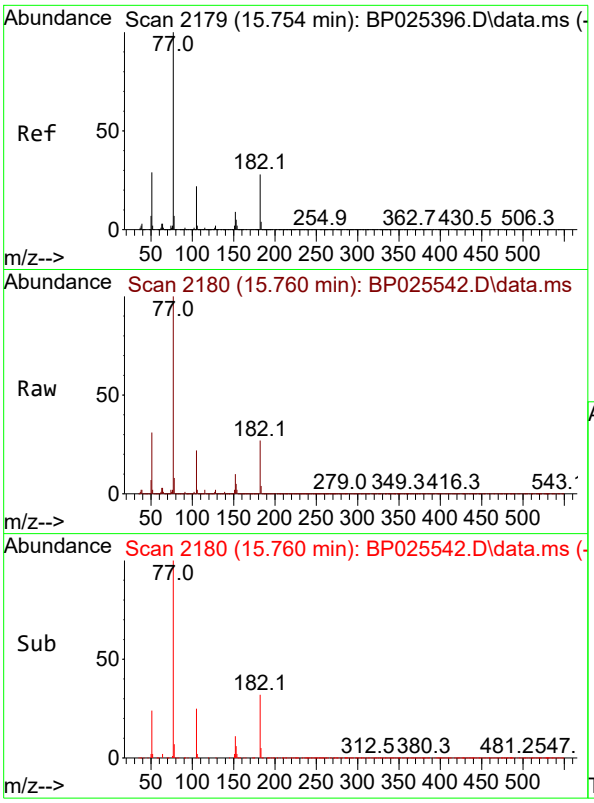


#62
4-Nitroaniline
Concen: 43.138 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:138 Resp: 277864

Ion	Ratio	Lower	Upper
138	100		
92	47.1	29.1	69.1
108	81.2	61.5	101.5



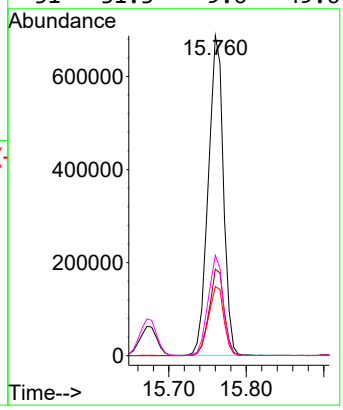


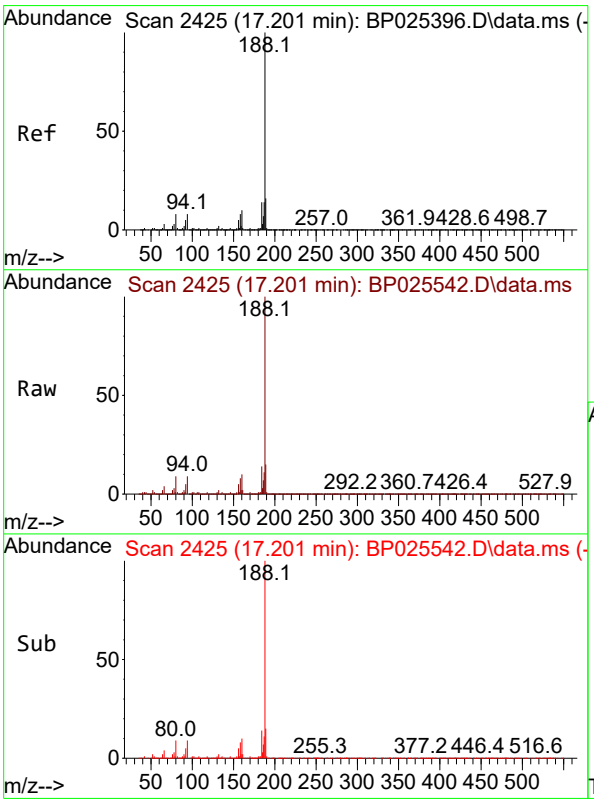
#63
Azobenzene
Concen: 40.370 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 930640

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.5	47.5
105	21.6	2.1	42.1
51	31.3	9.6	49.6

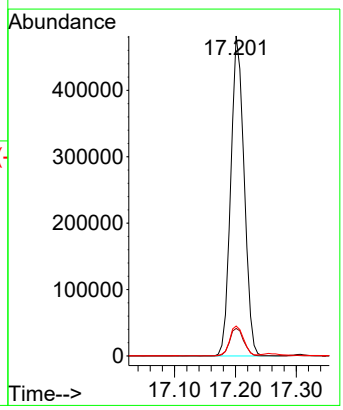


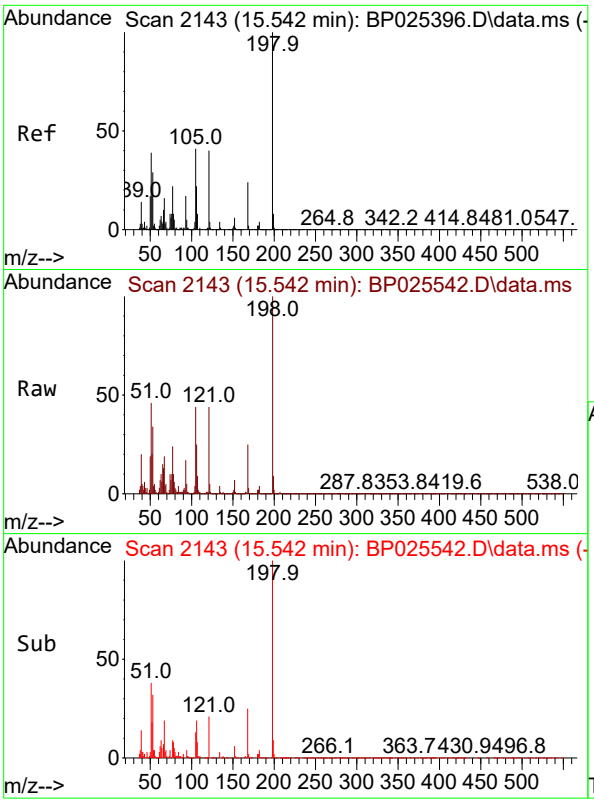


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:188 Resp: 738022

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.4	6.7	10.1



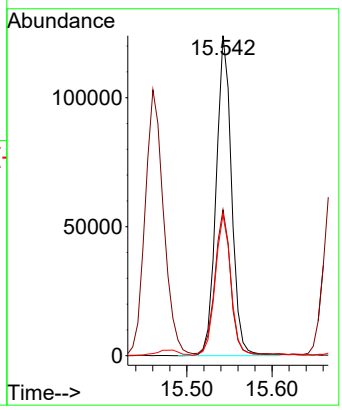


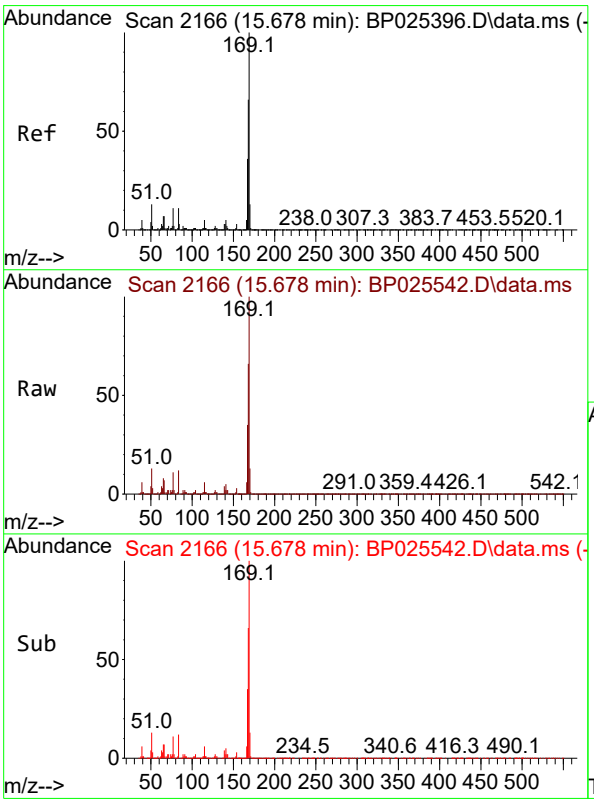
#65
4,6-Dinitro-2-methylphenol
Concen: 33.798 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 155486

Ion	Ratio	Lower	Upper
198	100		
51	45.6	19.6	59.6
105	44.0	20.9	60.9

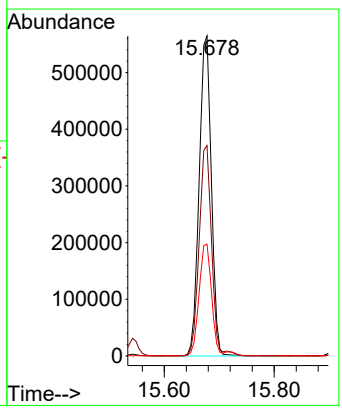


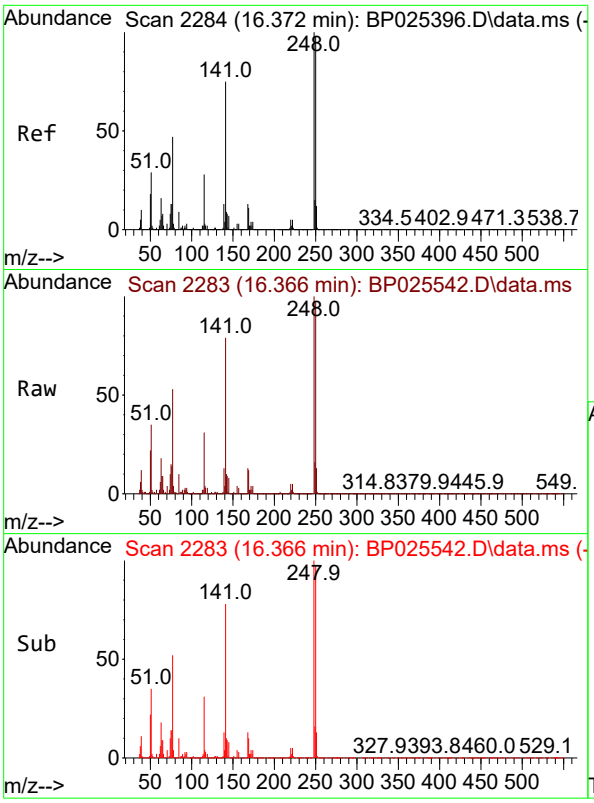


#66
n-Nitrosodiphenylamine
Concen: 38.596 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:169 Resp: 868621

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.2	79.8
167	35.0	28.7	43.1



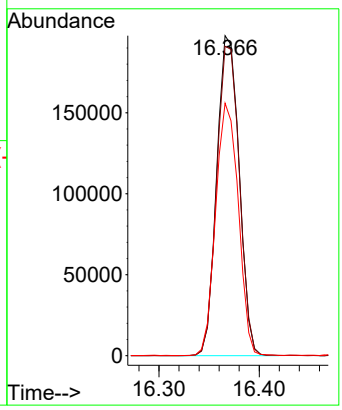


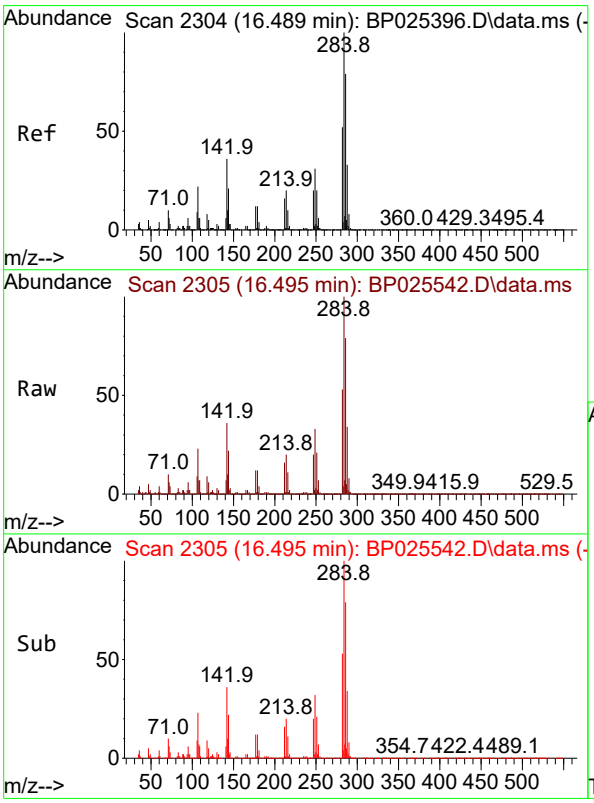
#67
4-Bromophenyl-phenylether
Concen: 37.744 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 306365

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.2
141	78.9	59.6	89.4

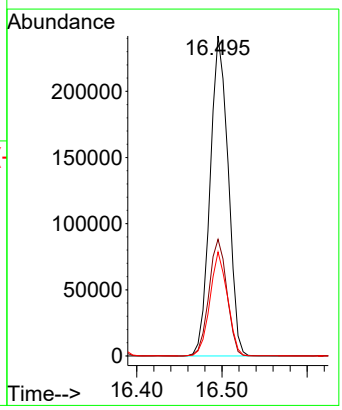


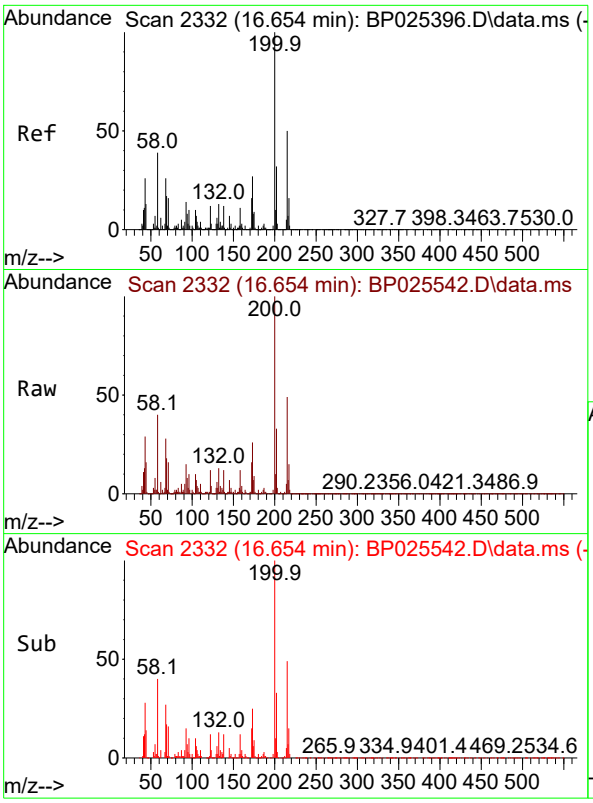


#68
Hexachlorobenzene
Concen: 37.762 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:284 Resp: 355309

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.1	43.7
249	32.5	25.0	37.4



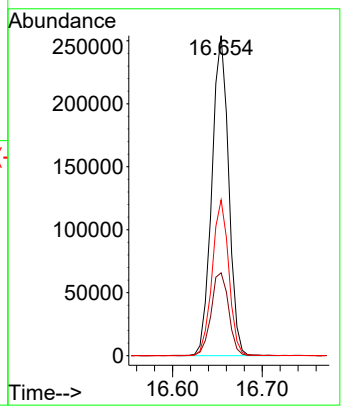


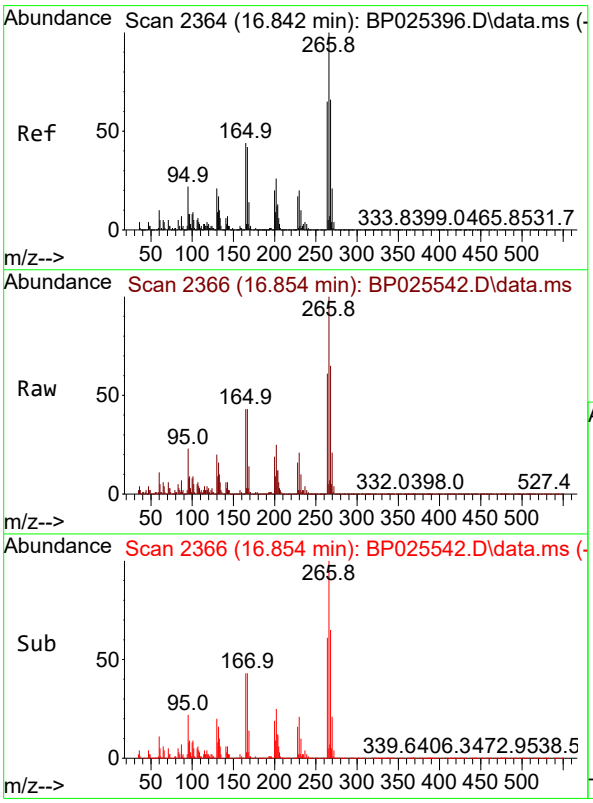
#69
Atrazine
Concen: 39.095 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 329503

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.7	46.7
215	48.7	29.7	69.7

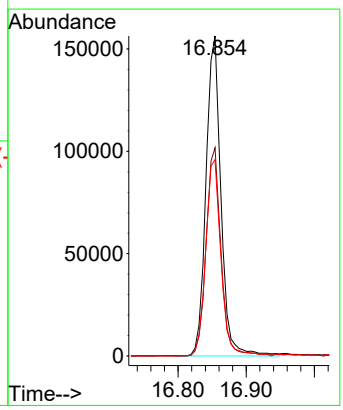


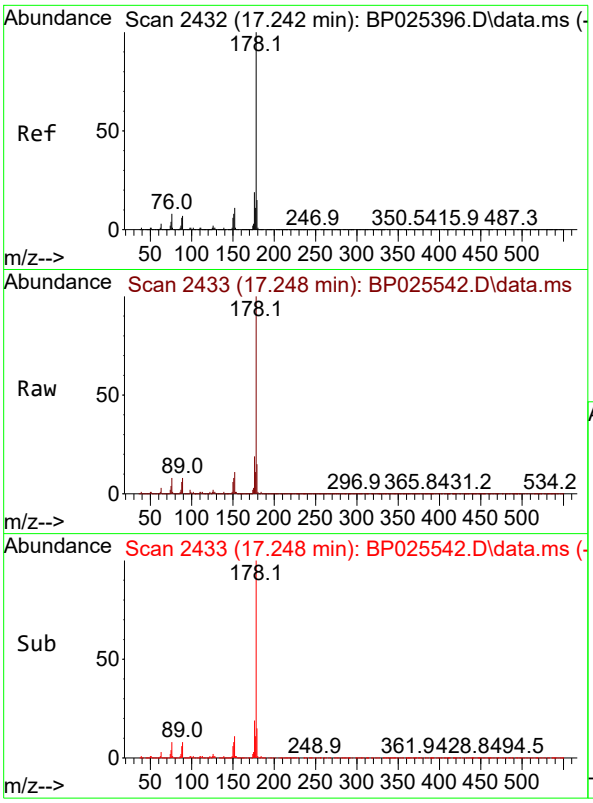


#70
Pentachlorophenol
Concen: 40.198 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:266 Resp: 238756

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	61.3	52.0	78.0



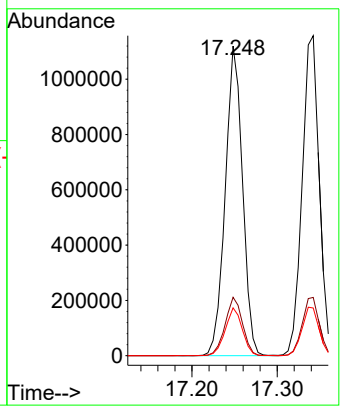


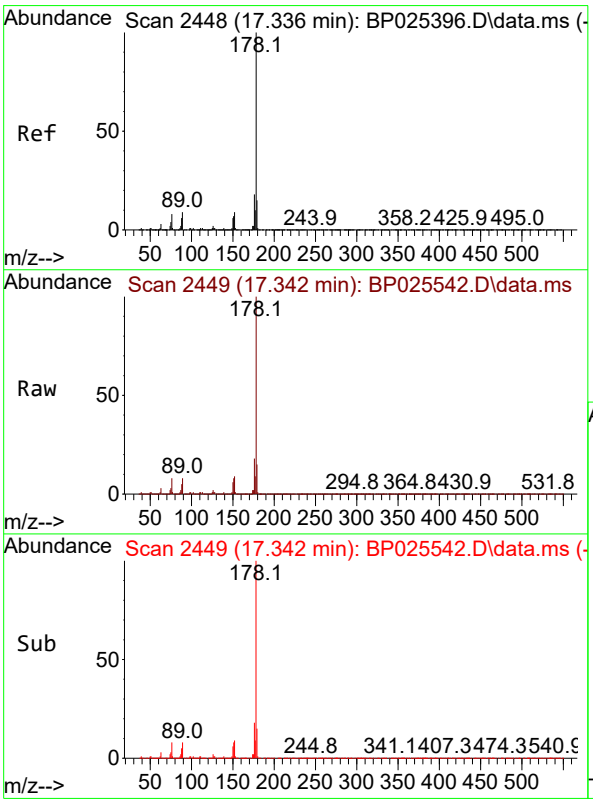
#71
Phenanthrene
Concen: 38.954 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1579287

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.4	12.2	18.4

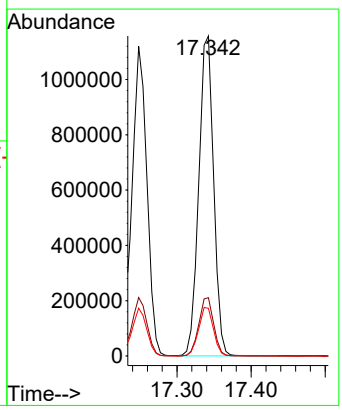


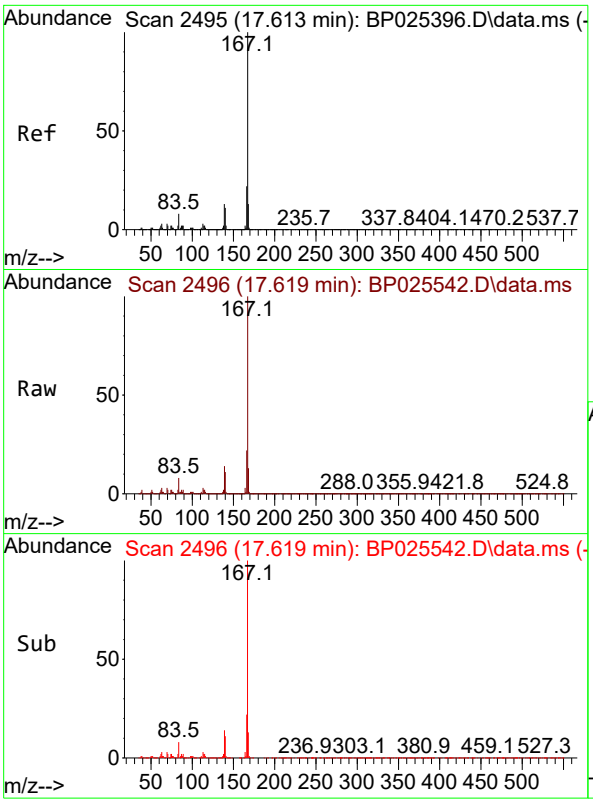


#72
Anthracene
Concen: 38.931 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:178 Resp: 1611788

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.9	12.2	18.2



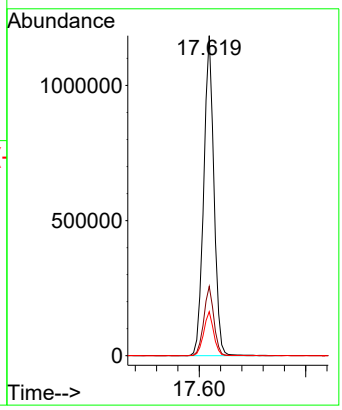


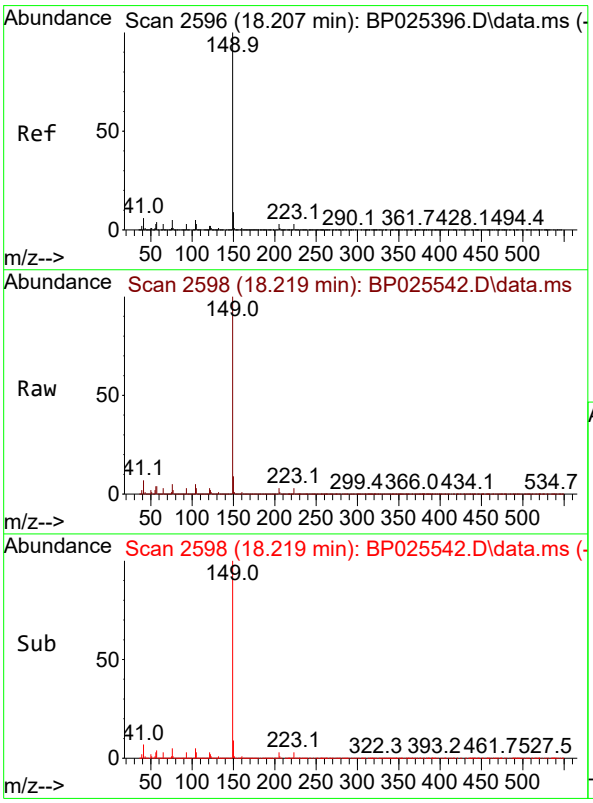
#73
Carbazole
Concen: 40.220 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1568464

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.7	10.6	16.0

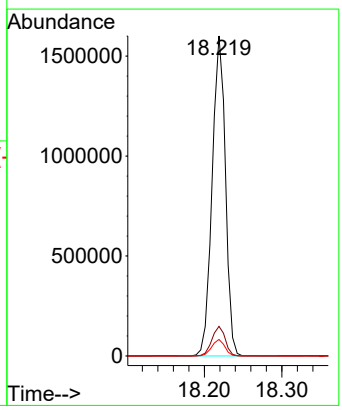


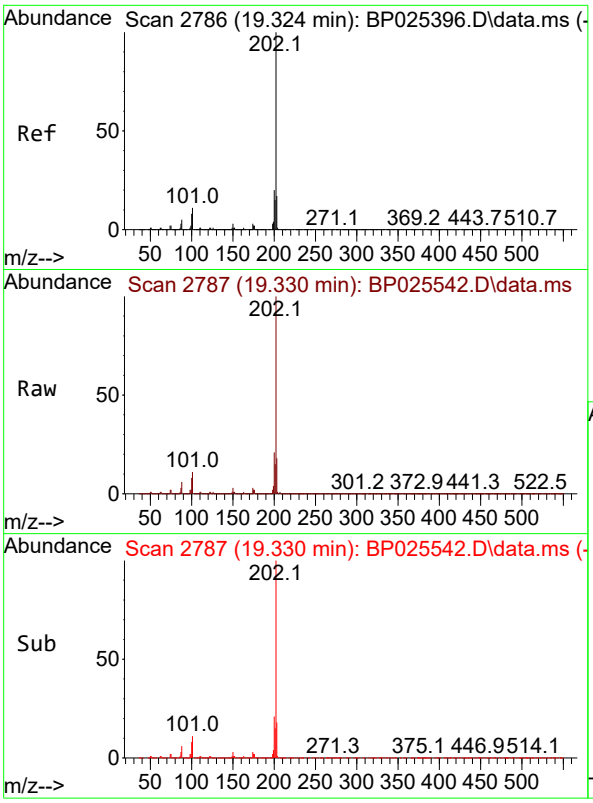


#74
Di-n-butylphthalate
Concen: 39.627 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:149 Resp: 1901273

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2



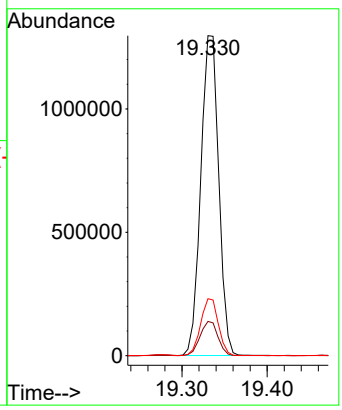


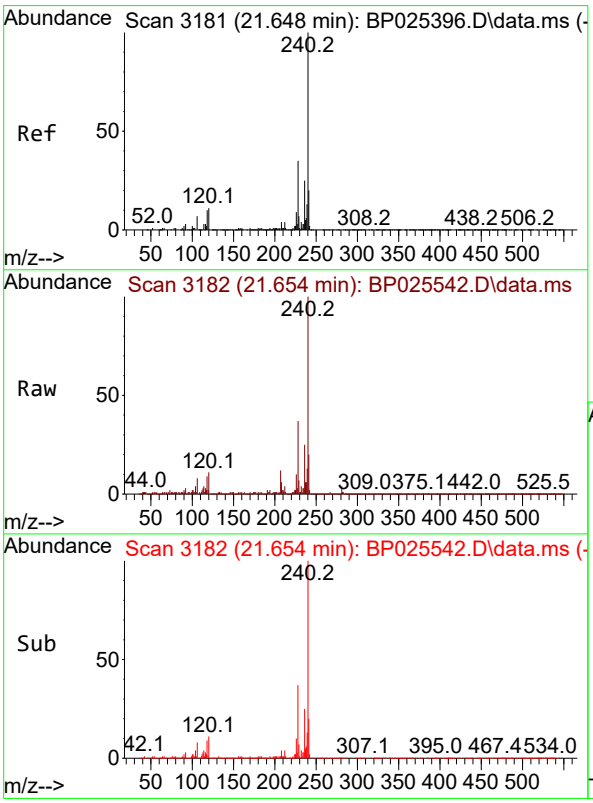
#75
Fluoranthene
Concen: 39.170 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1894256

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.1
203	17.8	0.0	37.3

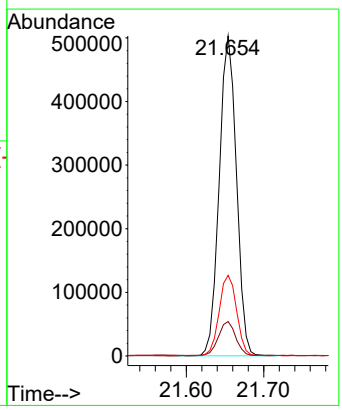


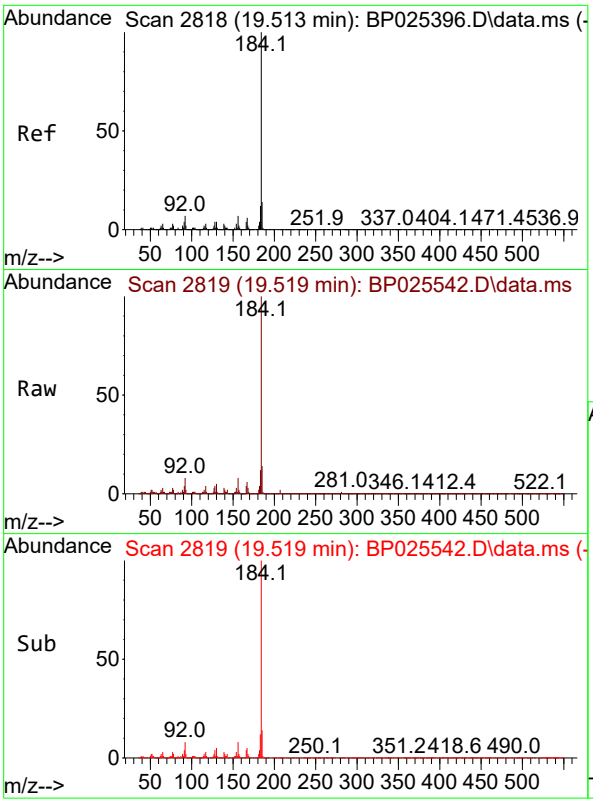


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:240 Resp: 775486

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.2	19.8	29.8



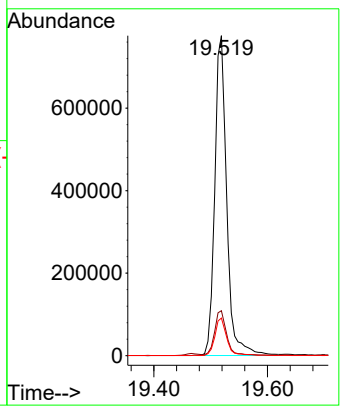


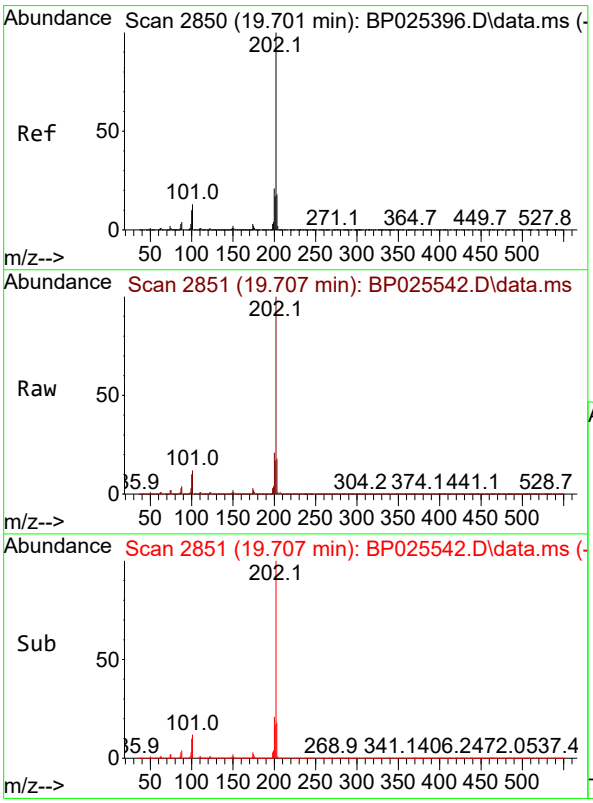
#77
Benzidine
Concen: 42.745 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1131270

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.8	9.4	14.2

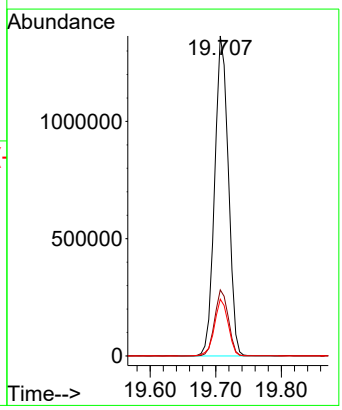


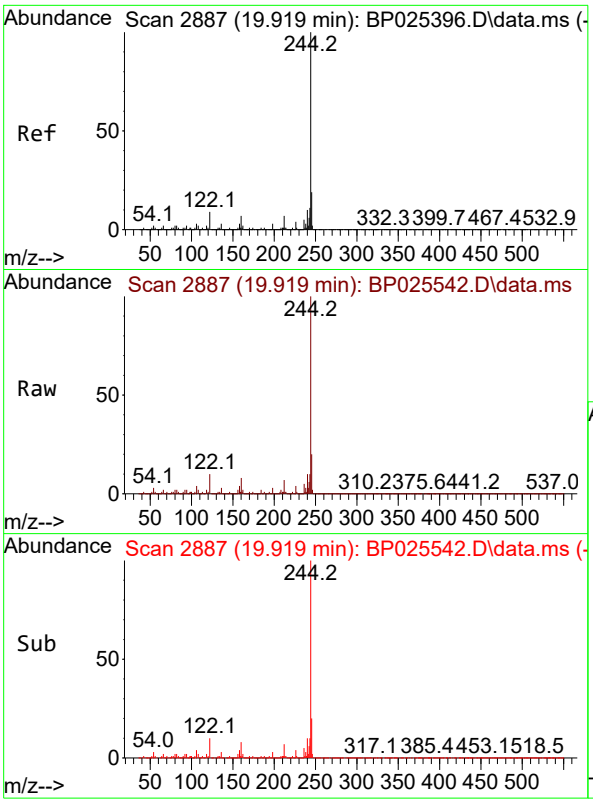


#78
Pyrene
Concen: 39.101 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:202 Resp: 1970872

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.8	14.2	21.2



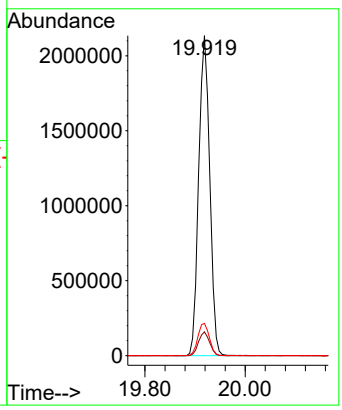


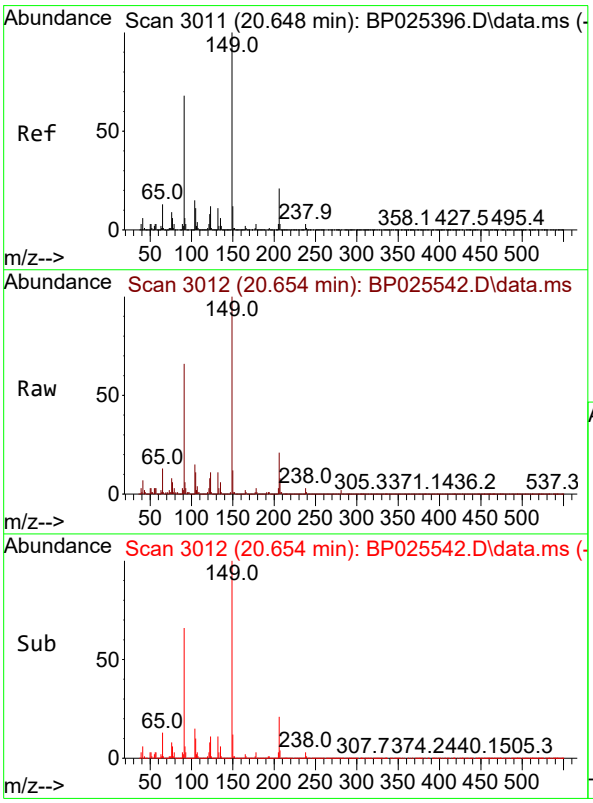
#79
Terphenyl-d14
Concen: 76.735 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3252513

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.1	7.4	11.2

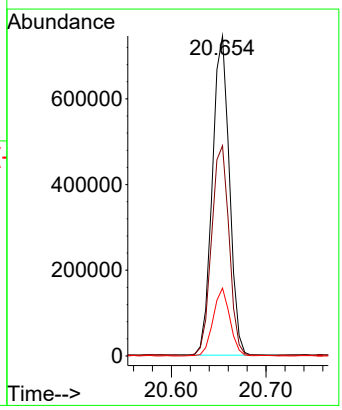


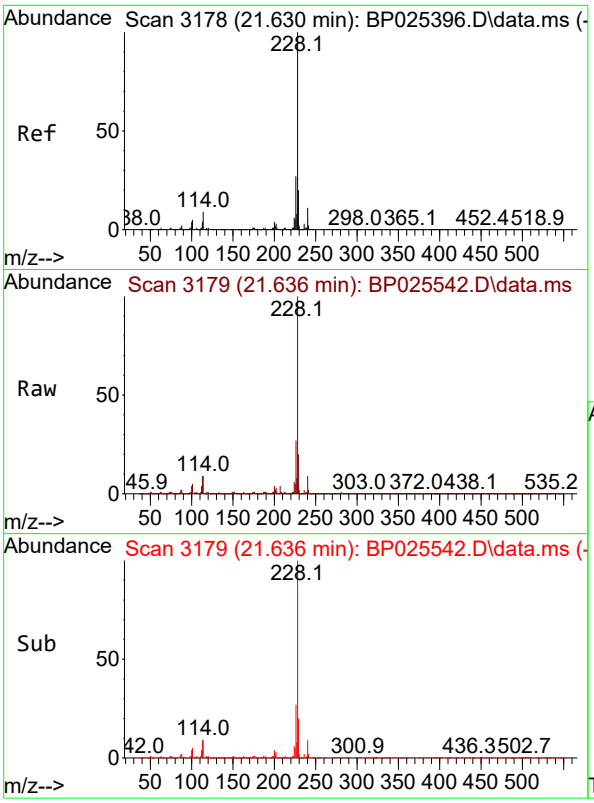


#80
Butylbenzylphthalate
Concen: 40.877 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:149 Resp: 933796

Ion	Ratio	Lower	Upper
149	100		
91	65.7	54.2	81.2
206	21.2	16.6	24.8



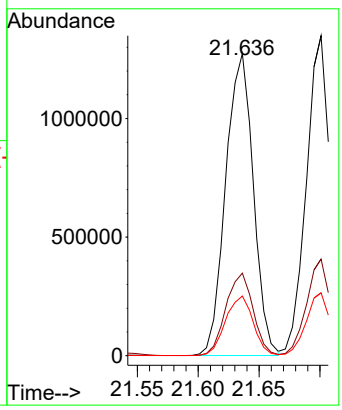


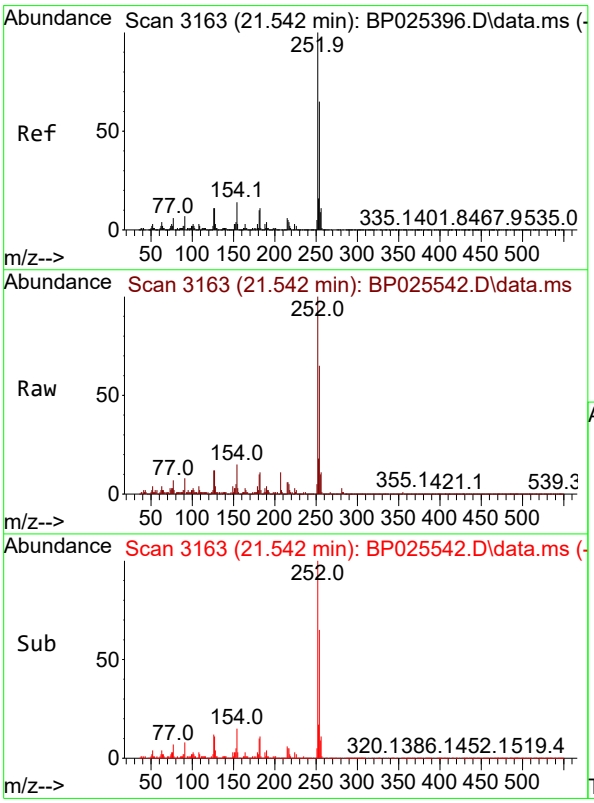
#81
Benzo(a)anthracene
Concen: 39.310 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2010459

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.7	15.6	23.4

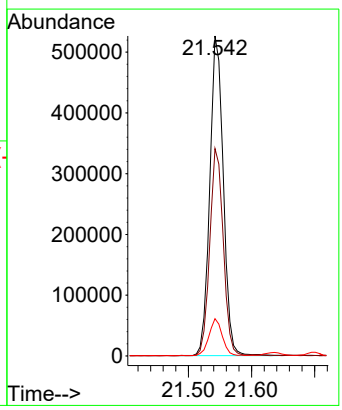


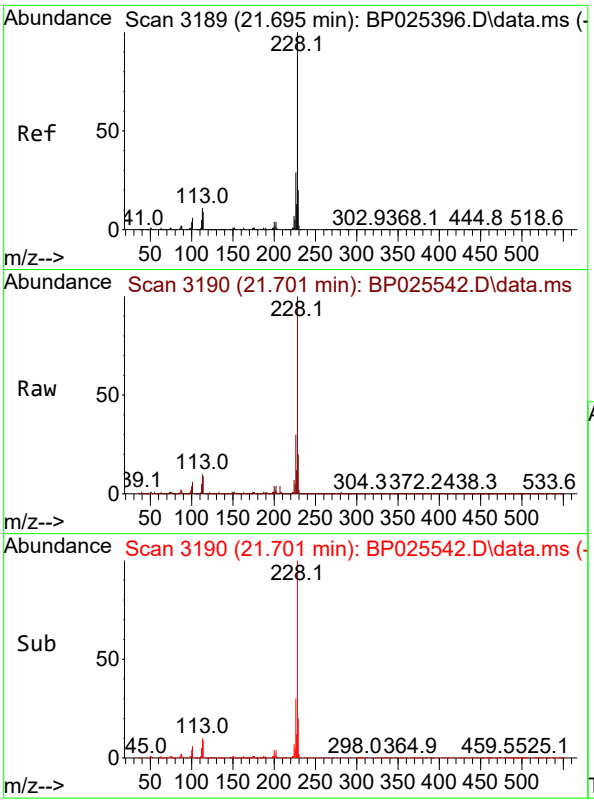


#82
3,3'-Dichlorobenzidine
Concen: 40.543 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:252 Resp: 781552

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.6	9.1	13.7



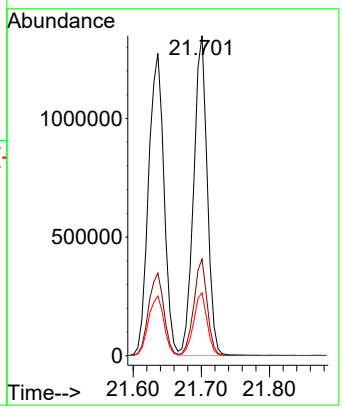


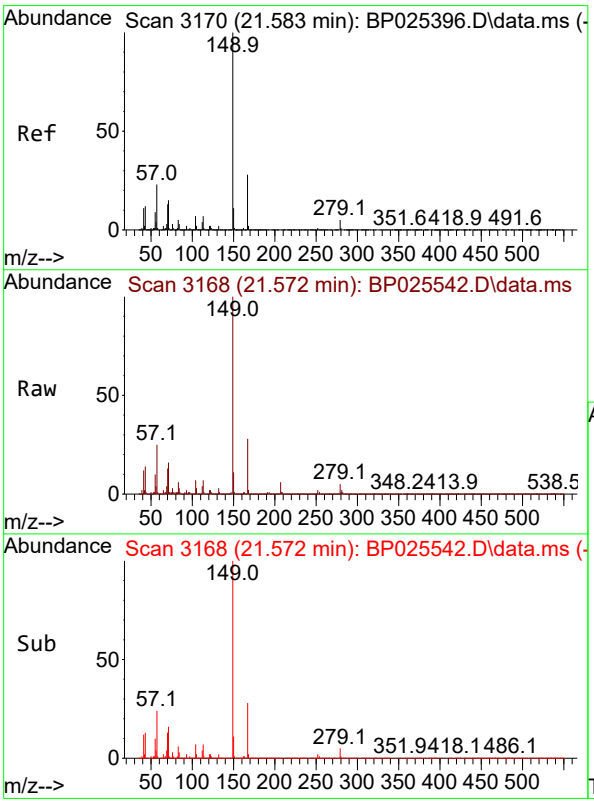
#83
Chrysene
Concen: 38.953 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1865688

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.2	34.8
229	19.6	15.6	23.4

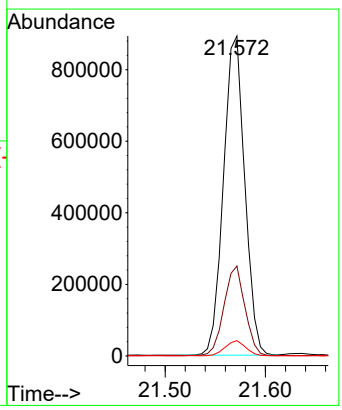


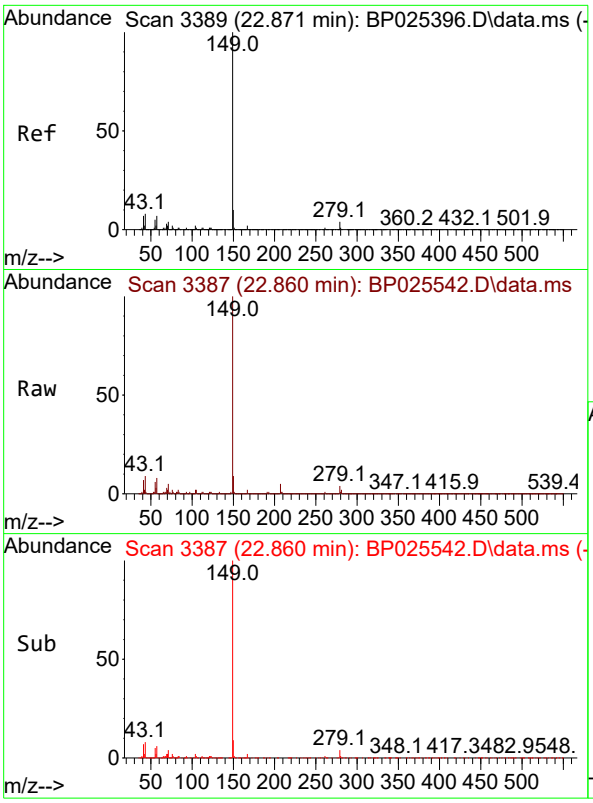


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.155 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:149 Resp: 1316686

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.1	33.1
279	4.8	3.8	5.6



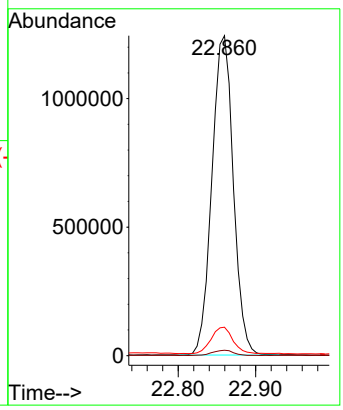


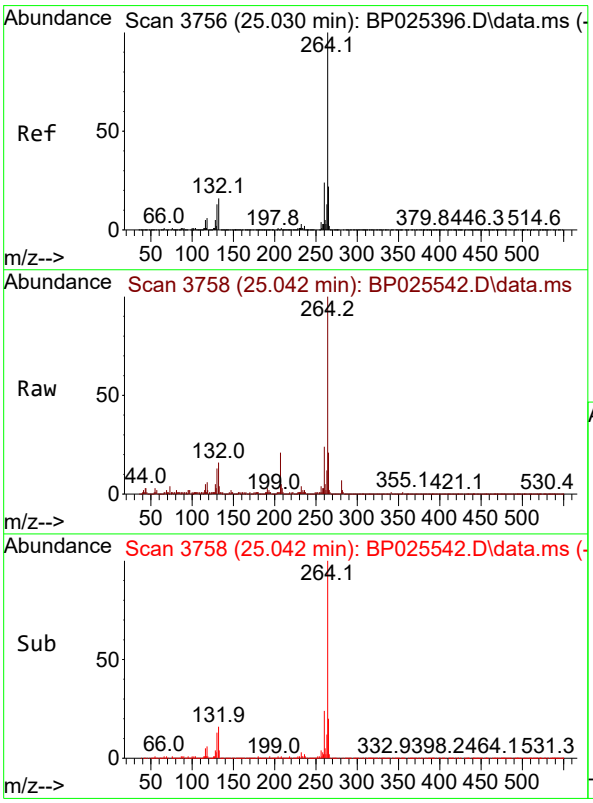
#85
Di-n-octyl phthalate
Concen: 41.227 ng
RT: 22.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2384611

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.8	6.3	9.5

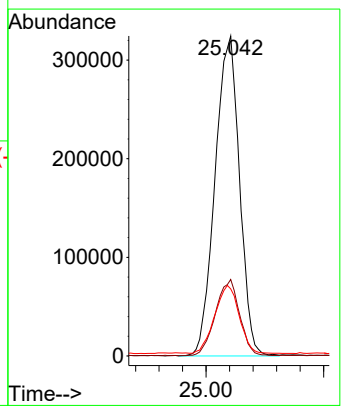


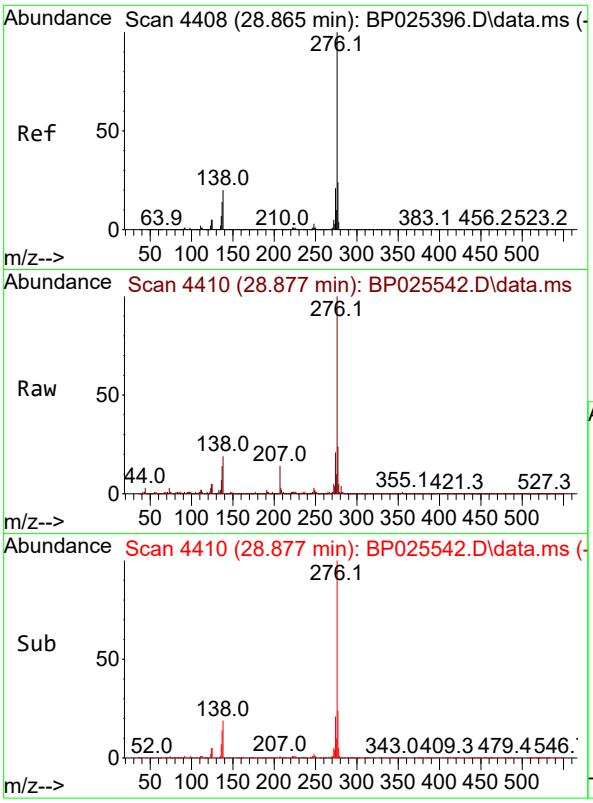


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:264 Resp: 938396

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.0	17.4	26.0



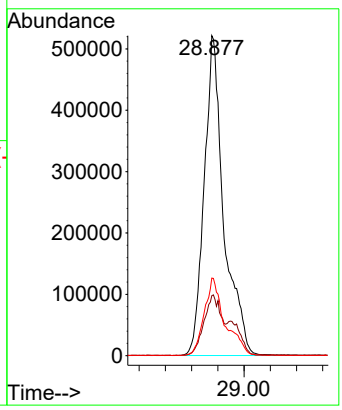


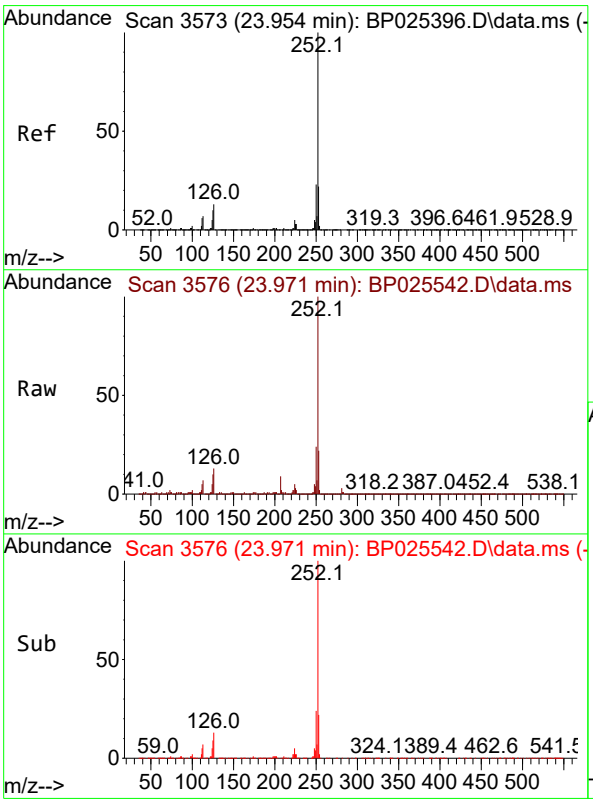
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.284 ng
RT: 28.877 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2703463

Ion	Ratio	Lower	Upper
276	100		
138	16.9	12.9	19.3
277	25.5	17.0	25.6

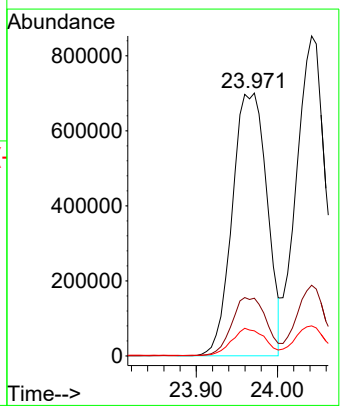


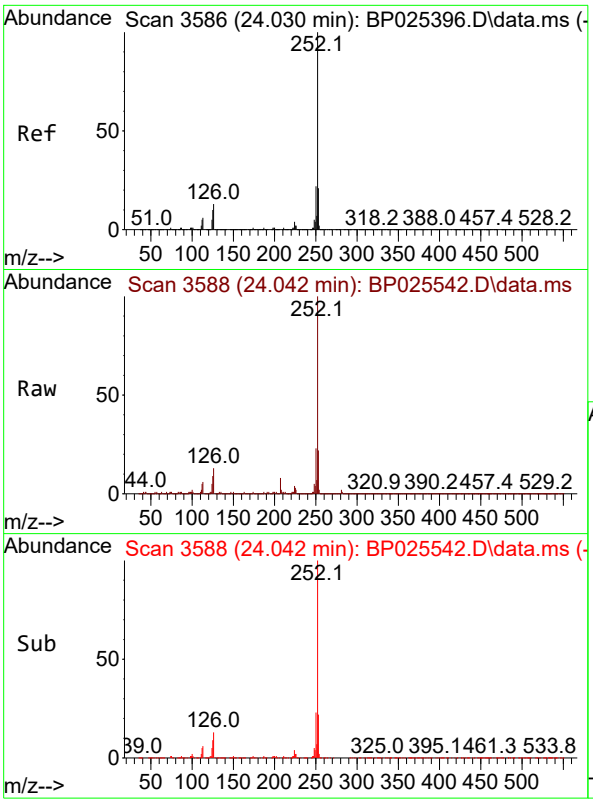


#88
Benzo(b)fluoranthene
Concen: 37.548 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:252 Resp: 2077718

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.5	7.9	11.9



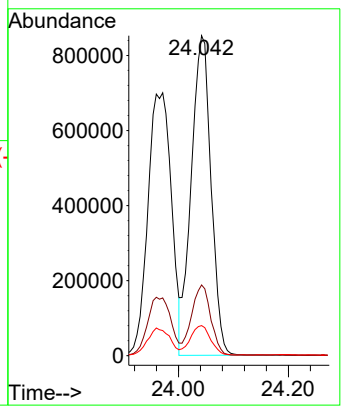


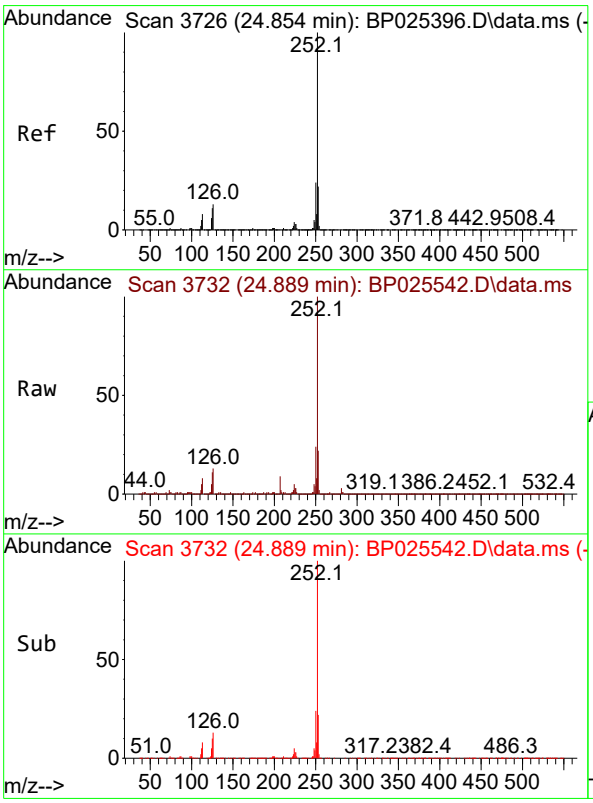
#89
Benzo(k)fluoranthene
Concen: 38.472 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2130275

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.4	7.8	11.6

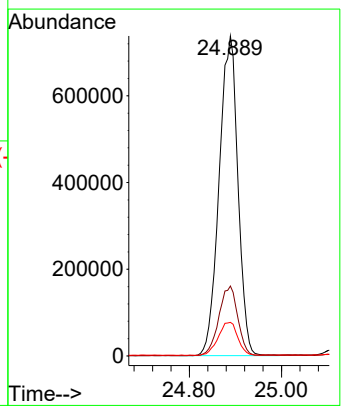


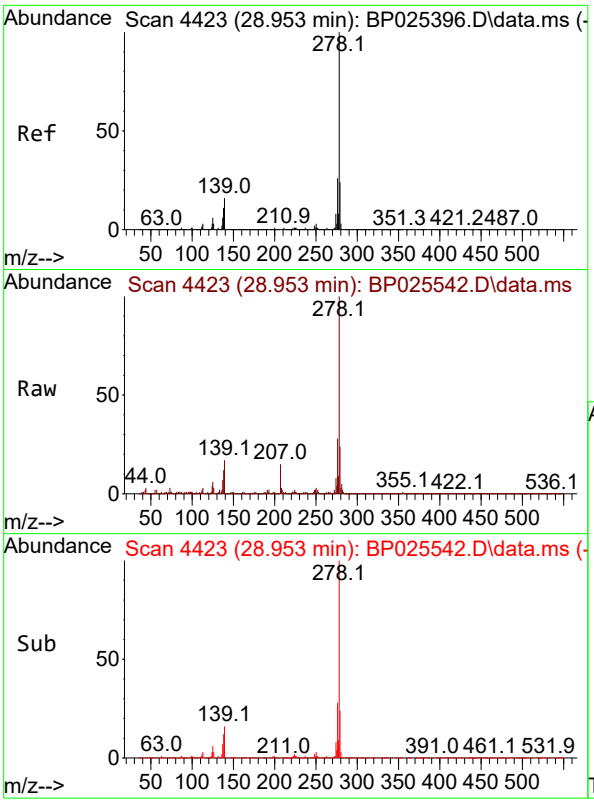


#90
Benzo(a)pyrene
Concen: 38.652 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:252 Resp: 2081963

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.5	8.7	13.1



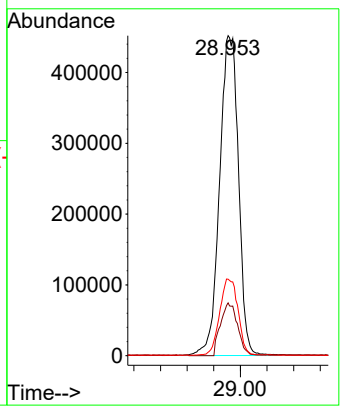


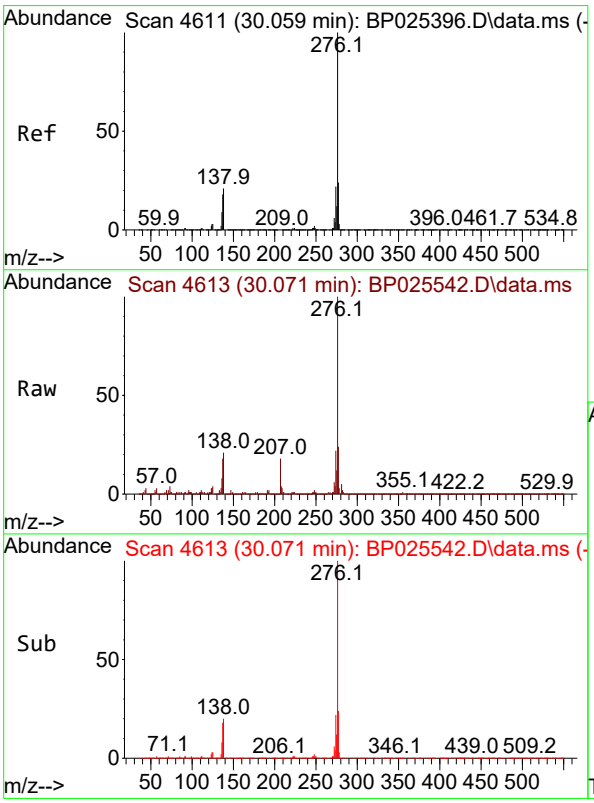
#91
Dibenzo(a,h)anthracene
Concen: 39.566 ng
RT: 28.953 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2225141

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.4
279	23.9	19.4	29.2

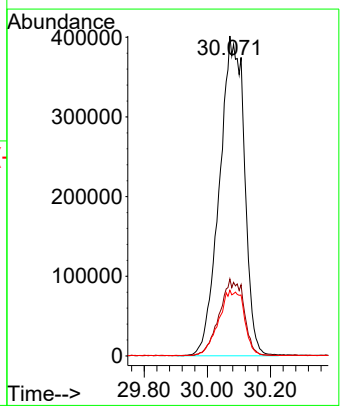




#92
Benzo(g,h,i)perylene
Concen: 39.705 ng
RT: 30.071 min Scan# 4613
Delta R.T. 0.012 min
Lab File: BP025542.D
Acq: 21 Aug 2025 17:11

Tgt Ion:276 Resp: 2194980

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	20.5	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	-0.02
2		1,4-Dioxane	0.472	0.452	4.2	88	-0.01
3		Pyridine	1.291	1.227	5.0	87	0.00
4		n-Nitrosodimethylamine	0.532	0.568	-6.8	96	-0.01
5	S	2-Fluorophenol	1.204	1.212	-0.7	90	0.00
6		Aniline	2.080	2.051	1.4	88	-0.01
7	S	Phenol-d6	1.544	1.576	-2.1	90	0.00
8		2-Chlorophenol	1.359	1.363	-0.3	90	0.00
9		Benzaldehyde	1.082	1.364	-26.1#	86	-0.01
10	C	Phenol	1.620	1.627	-0.4	89	0.00
11		bis(2-Chloroethyl)ether	1.263	1.232	2.5	87	-0.01
12		1,3-Dichlorobenzene	1.499	1.470	1.9	88	-0.01
13	C	1,4-Dichlorobenzene	1.532	1.496	2.3	88	-0.02
14		1,2-Dichlorobenzene	1.483	1.439	3.0	87	-0.01
15		Benzyl Alcohol	1.227	1.224	0.2	89	-0.01
16		2,2'-oxybis(1-Chloropropane	1.692	1.698	-0.4	90	-0.01
17		2-Methylphenol	1.125	1.127	-0.2	88	0.00
18		Hexachloroethane	0.563	0.558	0.9	88	-0.01
19	P	n-Nitroso-di-n-propylamine	1.023	0.960	6.2	84	-0.01
20		3+4-Methylphenols	1.560	1.540	1.3	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	85	-0.01
22		Acetophenone	0.502	0.488	2.8	85	-0.01
23	S	Nitrobenzene-d5	0.395	0.400	-1.3	88	-0.01
24		Nitrobenzene	0.353	0.359	-1.7	88	0.00
25		Isophorone	0.700	0.664	5.1	83	-0.01
26	C	2-Nitrophenol	0.181	0.184	-1.7	86	-0.01
27		2,4-Dimethylphenol	0.312	0.307	1.6	84	-0.01
28		bis(2-Chloroethoxy)methane	0.423	0.397	6.1	82	-0.01
29	C	2,4-Dichlorophenol	0.310	0.306	1.3	85	0.00
30		1,2,4-Trichlorobenzene	0.340	0.327	3.8	85	-0.01
31		Naphthalene	1.040	0.998	4.0	84	-0.01
32		Benzoic acid	0.230	0.235	-2.2	88	0.00
33		4-Chloroaniline	0.459	0.442	3.7	83	0.00
34	C	Hexachlorobutadiene	0.211	0.203	3.8	84	-0.01
35		Caprolactam	0.114	0.114	0.0	88	0.00
36	C	4-Chloro-3-methylphenol	0.355	0.349	1.7	85	0.00
37		2-Methylnaphthalene	0.676	0.634	6.2	82	-0.01
38		1-Methylnaphthalene	0.719	0.676	6.0	83	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.557	3.6	82	-0.01
41	P	Hexachlorocyclopentadiene	0.349	0.257	26.4#	61	-0.01
42	S	2,4,6-Tribromophenol	0.269	0.267	0.7	83	0.00
43	C	2,4,6-Trichlorophenol	0.390	0.396	-1.5	85	0.00
44		2,4,5-Trichlorophenol	0.427	0.429	-0.5	83	0.00
45	S	2-Fluorobiphenyl	1.463	1.377	5.9	81	-0.01
46		1,1'-Biphenyl	1.453	1.391	4.3	81	0.00
47		2-Chloronaphthalene	1.131	1.085	4.1	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.329	0.358	-8.8	89	0.00
49		Acenaphthylene	1.871	1.831	2.1	83	0.00
50		Dimethylphthalate	1.465	1.393	4.9	81	0.00
51		2,6-Dinitrotoluene	0.309	0.310	-0.3	82	0.00
52	C	Acenaphthene	1.098	1.038	5.5	82	0.00
53		3-Nitroaniline	0.347	0.357	-2.9	86	0.00
54	P	2,4-Dinitrophenol	0.165	0.152	7.9	76	0.01
55		Dibenzofuran	1.736	1.667	4.0	82	0.00
56	P	4-Nitrophenol	0.285	0.310	-8.8	91	0.01
57		2,4-Dinitrotoluene	0.440	0.467	-6.1	87	0.00
58		Fluorene	1.370	1.332	2.8	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.377	0.380	-0.8	85	0.00
60		Diethylphthalate	1.488	1.450	2.6	83	0.00
61		4-Chlorophenyl-phenylether	0.681	0.643	5.6	81	0.00
62		4-Nitroaniline	0.356	0.384	-7.9	90	0.00
63		Azobenzene	1.274	1.286	-0.9	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.105	16.0	72	0.00
66	c	n-Nitrosodiphenylamine	0.610	0.588	3.6	83	0.00
67		4-Bromophenyl-phenylether	0.220	0.208	5.5	81	0.00
68		Hexachlorobenzene	0.255	0.241	5.5	83	0.00
69		Atrazine	0.228	0.223	2.2	85	0.00
70	C	Pentachlorophenol	0.161	0.162	-0.6	86	0.01
71		Phenanthrene	1.099	1.070	2.6	86	0.00
72		Anthracene	1.122	1.092	2.7	84	0.00
73		Carbazole	1.057	1.063	-0.6	88	0.00
74		Di-n-butylphthalate	1.300	1.288	0.9	86	0.01
75	C	Fluoranthene	1.311	1.283	2.1	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.683	0.729	-6.7	65	0.00
78		Pyrene	1.300	1.271	2.2	86	0.00
79	S	Terphenyl-d14	1.093	1.049	4.0	86	0.00
80		Butylbenzylphthalate	0.589	0.602	-2.2	90	0.00
81		Benzo(a)anthracene	1.319	1.296	1.7	88	0.00
82		3,3'-Dichlorobenzidine	0.497	0.504	-1.4	89	0.00
83		Chrysene	1.235	1.203	2.6	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.867	0.849	2.1	88	-0.01
85	c	Di-n-octyl phthalate	1.492	1.537	-3.0	92	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	92	0.01
87		Indeno(1,2,3-cd)pyrene	1.467	1.440	1.8	94	0.01
88		Benzo(b)fluoranthene	1.179	1.107	6.1	90	0.02
89		Benzo(k)fluoranthene	1.180	1.135	3.8	92	0.01
90	C	Benzo(a)pyrene	1.148	1.109	3.4	92	0.04
91		Dibenzo(a,h)anthracene	1.199	1.186	1.1	94	0.00
92		Benzo(g,h,i)perylene	1.178	1.170	0.7	94	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	-0.02
2		1,4-Dioxane	40.000	38.351	4.1	88	-0.01
3		Pyridine	40.000	38.018	5.0	87	0.00
4		n-Nitrosodimethylamine	40.000	42.700	-6.8	96	-0.01
5	S	2-Fluorophenol	80.000	80.536	-0.7	90	0.00
6		Aniline	40.000	39.437	1.4	88	-0.01
7	S	Phenol-d6	80.000	81.665	-2.1	90	0.00
8		2-Chlorophenol	40.000	40.132	-0.3	90	0.00
9		Benzaldehyde	40.000	50.425	-26.1#	86	-0.01
10	C	Phenol	40.000	40.161	-0.4	89	0.00
11		bis(2-Chloroethyl)ether	40.000	39.038	2.4	87	-0.01
12		1,3-Dichlorobenzene	40.000	39.235	1.9	88	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.062	2.3	88	-0.02
14		1,2-Dichlorobenzene	40.000	38.832	2.9	87	-0.01
15		Benzyl Alcohol	40.000	39.899	0.3	89	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	40.140	-0.4	90	-0.01
17		2-Methylphenol	40.000	40.046	-0.1	88	0.00
18		Hexachloroethane	40.000	39.613	1.0	88	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	37.556	6.1	84	-0.01
20		3+4-Methylphenols	40.000	39.493	1.3	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	85	-0.01
22		Acetophenone	40.000	38.928	2.7	85	-0.01
23	S	Nitrobenzene-d5	80.000	81.025	-1.3	88	-0.01
24		Nitrobenzene	40.000	40.614	-1.5	88	0.00
25		Isophorone	40.000	37.953	5.1	83	-0.01
26	C	2-Nitrophenol	40.000	40.687	-1.7	86	-0.01
27		2,4-Dimethylphenol	40.000	39.319	1.7	84	-0.01
28		bis(2-Chloroethoxy)methane	40.000	37.564	6.1	82	-0.01
29	C	2,4-Dichlorophenol	40.000	39.571	1.1	85	0.00
30		1,2,4-Trichlorobenzene	40.000	38.564	3.6	85	-0.01
31		Naphthalene	40.000	38.386	4.0	84	-0.01
32		Benzoic acid	40.000	40.832	-2.1	88	0.00
33		4-Chloroaniline	40.000	38.492	3.8	83	0.00
34	C	Hexachlorobutadiene	40.000	38.476	3.8	84	-0.01
35		Caprolactam	40.000	40.117	-0.3	88	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.266	1.8	85	0.00
37		2-Methylnaphthalene	40.000	37.480	6.3	82	-0.01
38		1-Methylnaphthalene	40.000	37.614	6.0	83	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	82	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.576	3.6	82	-0.01
41	P	Hexachlorocyclopentadiene	40.000	29.463	26.3#	61	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.265	0.9	83	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.614	-1.5	85	0.00
44		2,4,5-Trichlorophenol	40.000	40.151	-0.4	83	0.00
45	S	2-Fluorobiphenyl	80.000	75.290	5.9	81	-0.01
46		1,1'-Biphenyl	40.000	38.311	4.2	81	0.00
47		2-Chloronaphthalene	40.000	38.384	4.0	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.505	-8.8	89	0.00
49		Acenaphthylene	40.000	39.147	2.1	83	0.00
50		Dimethylphthalate	40.000	38.049	4.9	81	0.00
51		2,6-Dinitrotoluene	40.000	40.158	-0.4	82	0.00
52	C	Acenaphthene	40.000	37.805	5.5	82	0.00
53		3-Nitroaniline	40.000	41.145	-2.9	86	0.00
54	P	2,4-Dinitrophenol	40.000	36.791	8.0	76	0.01
55		Dibenzofuran	40.000	38.412	4.0	82	0.00
56	P	4-Nitrophenol	40.000	43.509	-8.8	91	0.01
57		2,4-Dinitrotoluene	40.000	42.389	-6.0	87	0.00
58		Fluorene	40.000	38.896	2.8	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.314	-0.8	85	0.00
60		Diethylphthalate	40.000	38.961	2.6	83	0.00
61		4-Chlorophenyl-phenylether	40.000	37.771	5.6	81	0.00
62		4-Nitroaniline	40.000	43.138	-7.8	90	0.00
63		Azobenzene	40.000	40.370	-0.9	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	40.000	33.798	15.5	72	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.596	3.5	83	0.00
67		4-Bromophenyl-phenylether	40.000	37.744	5.6	81	0.00
68		Hexachlorobenzene	40.000	37.762	5.6	83	0.00
69		Atrazine	40.000	39.095	2.3	85	0.00
70	C	Pentachlorophenol	40.000	40.198	-0.5	86	0.01
71		Phenanthrene	40.000	38.954	2.6	86	0.00
72		Anthracene	40.000	38.931	2.7	84	0.00
73		Carbazole	40.000	40.220	-0.5	88	0.00
74		Di-n-butylphthalate	40.000	39.627	0.9	86	0.01
75	C	Fluoranthene	40.000	39.170	2.1	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	42.745	-6.9	65	0.00
78		Pyrene	40.000	39.101	2.2	86	0.00
79	S	Terphenyl-d14	80.000	76.735	4.1	86	0.00
80		Butylbenzylphthalate	40.000	40.877	-2.2	90	0.00
81		Benzo(a)anthracene	40.000	39.310	1.7	88	0.00
82		3,3'-Dichlorobenzidine	40.000	40.543	-1.4	89	0.00
83		Chrysene	40.000	38.953	2.6	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.155	2.1	88	-0.01
85	c	Di-n-octyl phthalate	40.000	41.227	-3.1	92	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	92	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.284	1.8	94	0.01
88		Benzo(b)fluoranthene	40.000	37.548	6.1	90	0.02
89		Benzo(k)fluoranthene	40.000	38.472	3.8	92	0.01
90	C	Benzo(a)pyrene	40.000	38.652	3.4	92	0.04
91		Dibenzo(a,h)anthracene	40.000	39.566	1.1	94	0.00
92		Benzo(g,h,i)perylene	40.000	39.705	0.7	94	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025542.D
Acq On : 21 Aug 2025 17:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 21 17:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

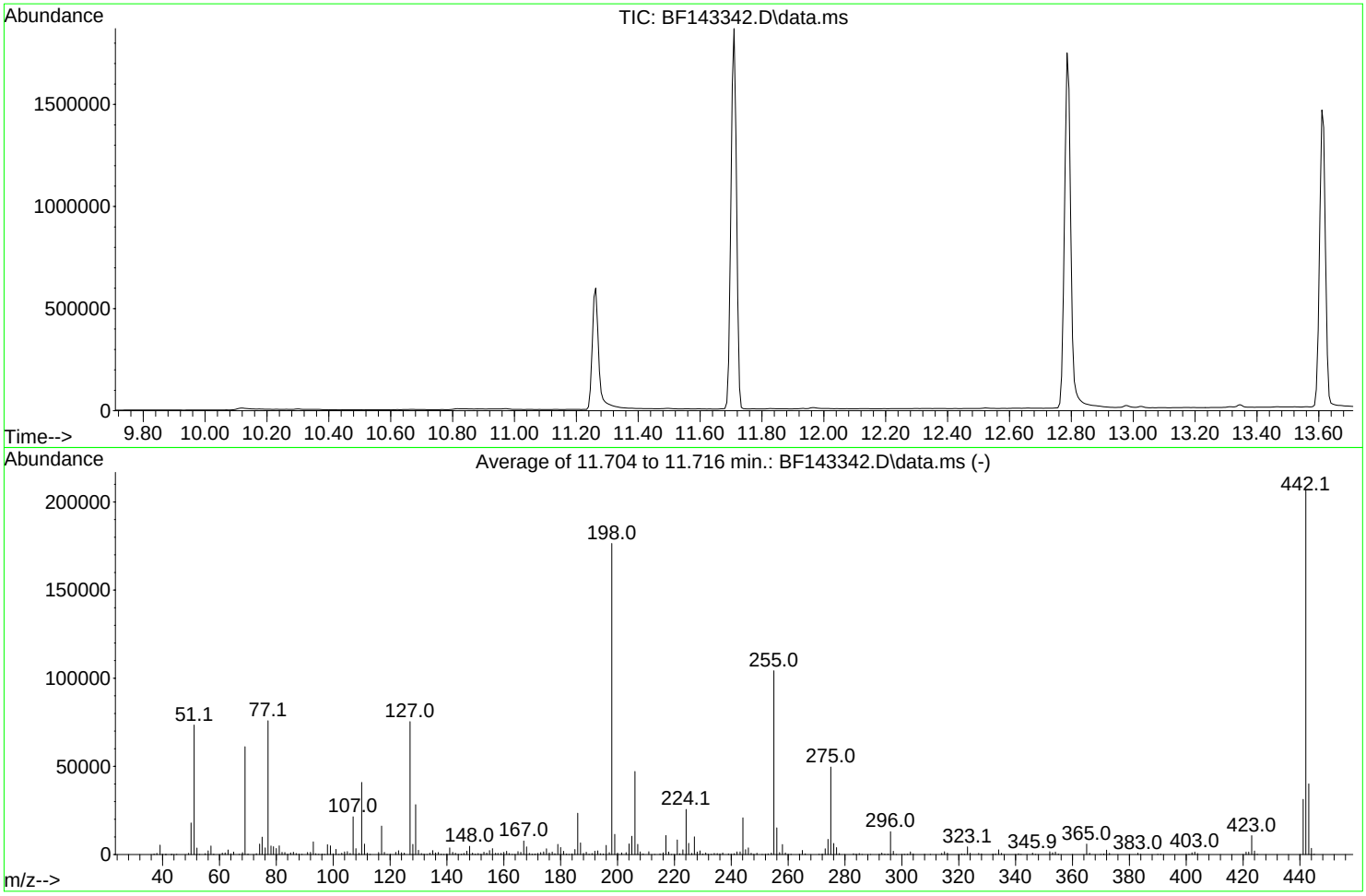
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



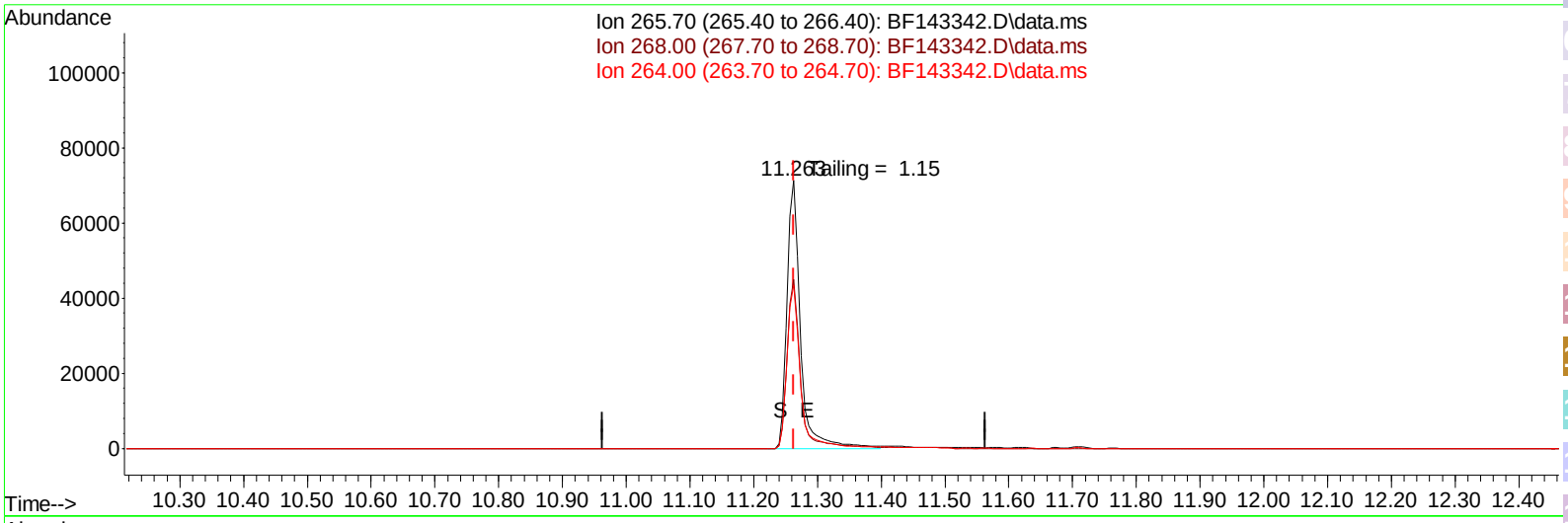
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

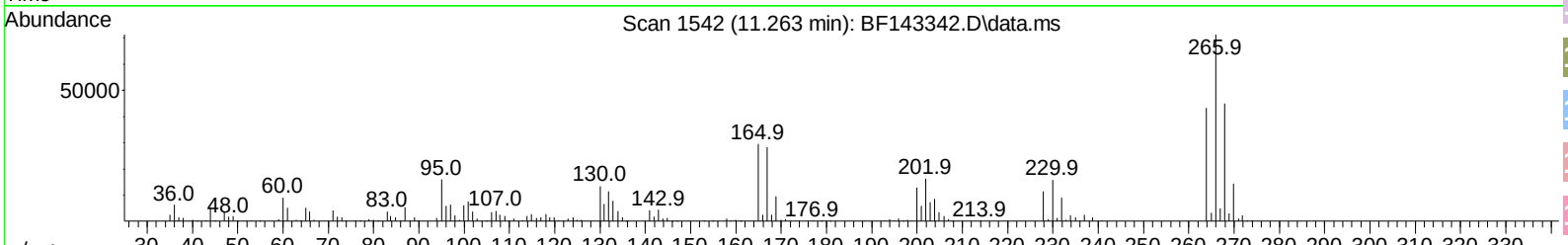
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1075	PASS
69	69	100	100	100.0	61205	PASS
70	69	0.00	2	0.5	326	PASS
197	198	0.00	2	0.6	1092	PASS
198	198	100	100	100.0	176469	PASS
199	198	5	9	6.5	11438	PASS
365	198	1	100	3.4	5927	PASS
441	443	0.01	150	77.9	31269	PASS
442	442	100	100	100.0	206464	PASS
443	442	15	24	19.4	40120	PASS

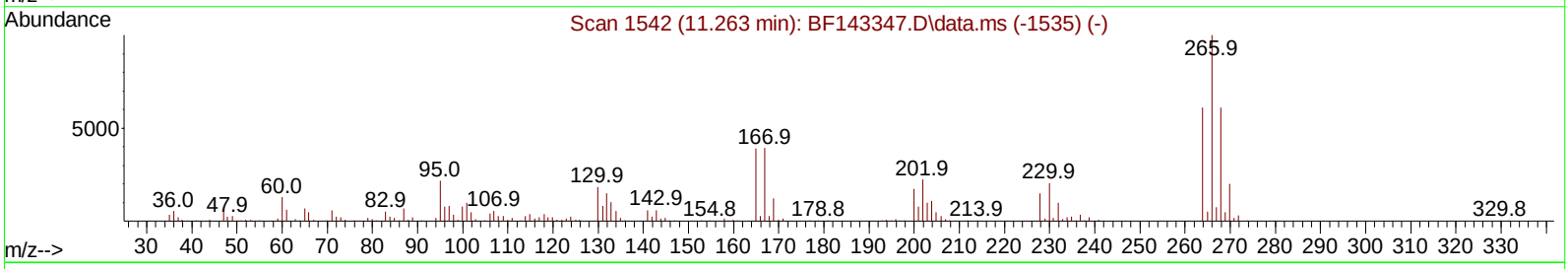
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143342.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.000) 127995.01 ng

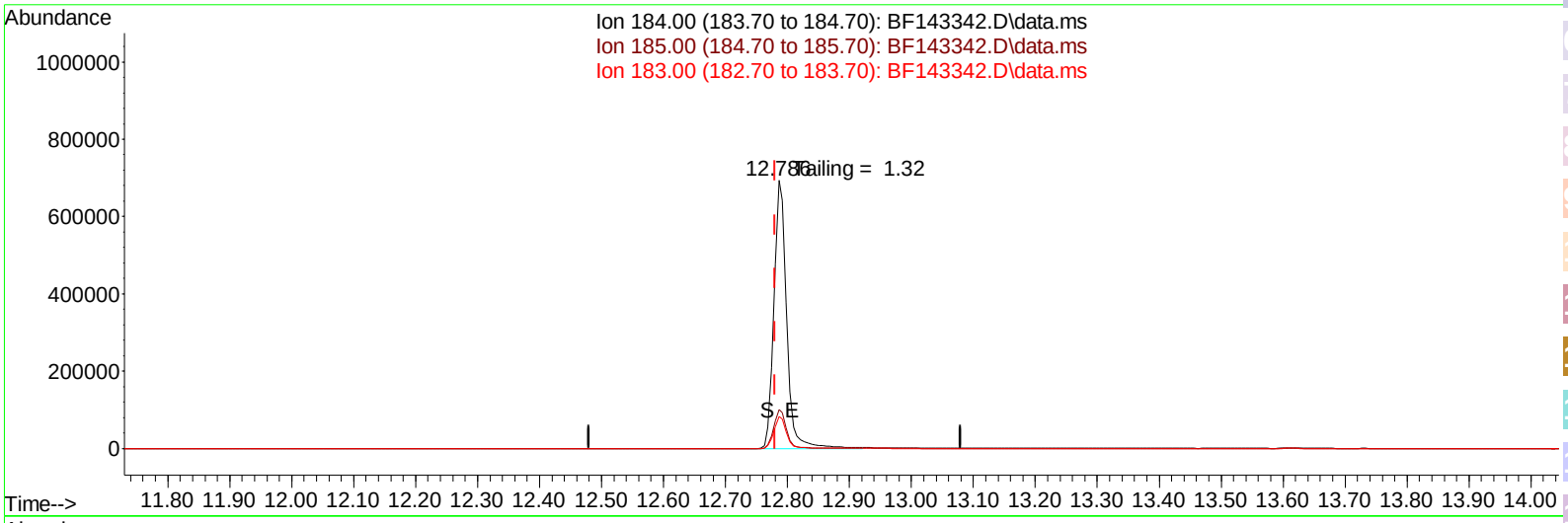
response 106759

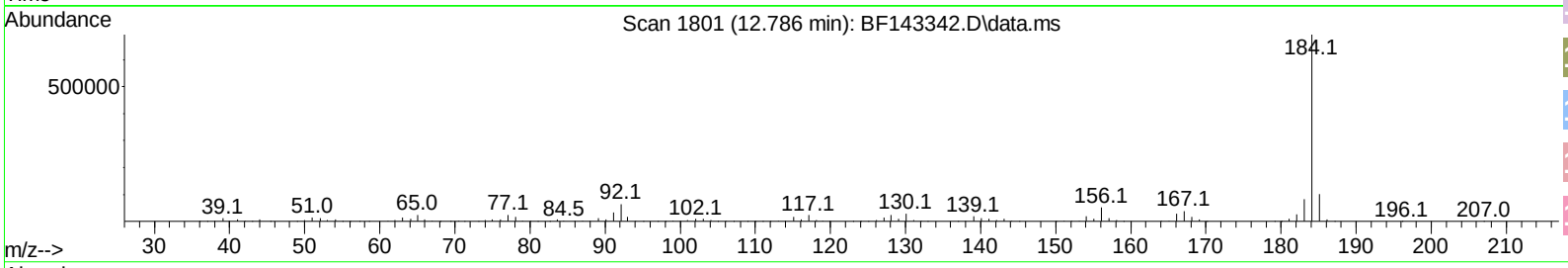
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	63.14
264.00	61.00	60.85
0.00	0.00	0.00

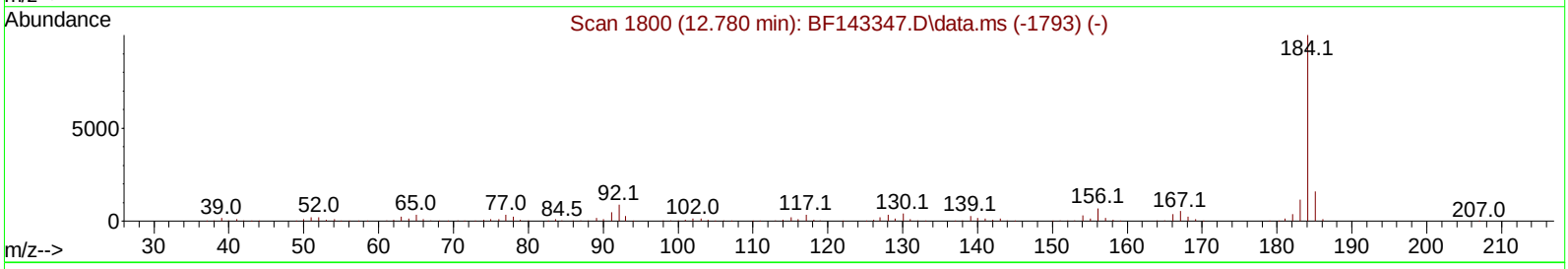
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143342.D\data.ms

(77) Benzidine

12.786min (+ 0.006) 0.00 ng

response 1006924

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.63
183.00	11.60	11.87
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

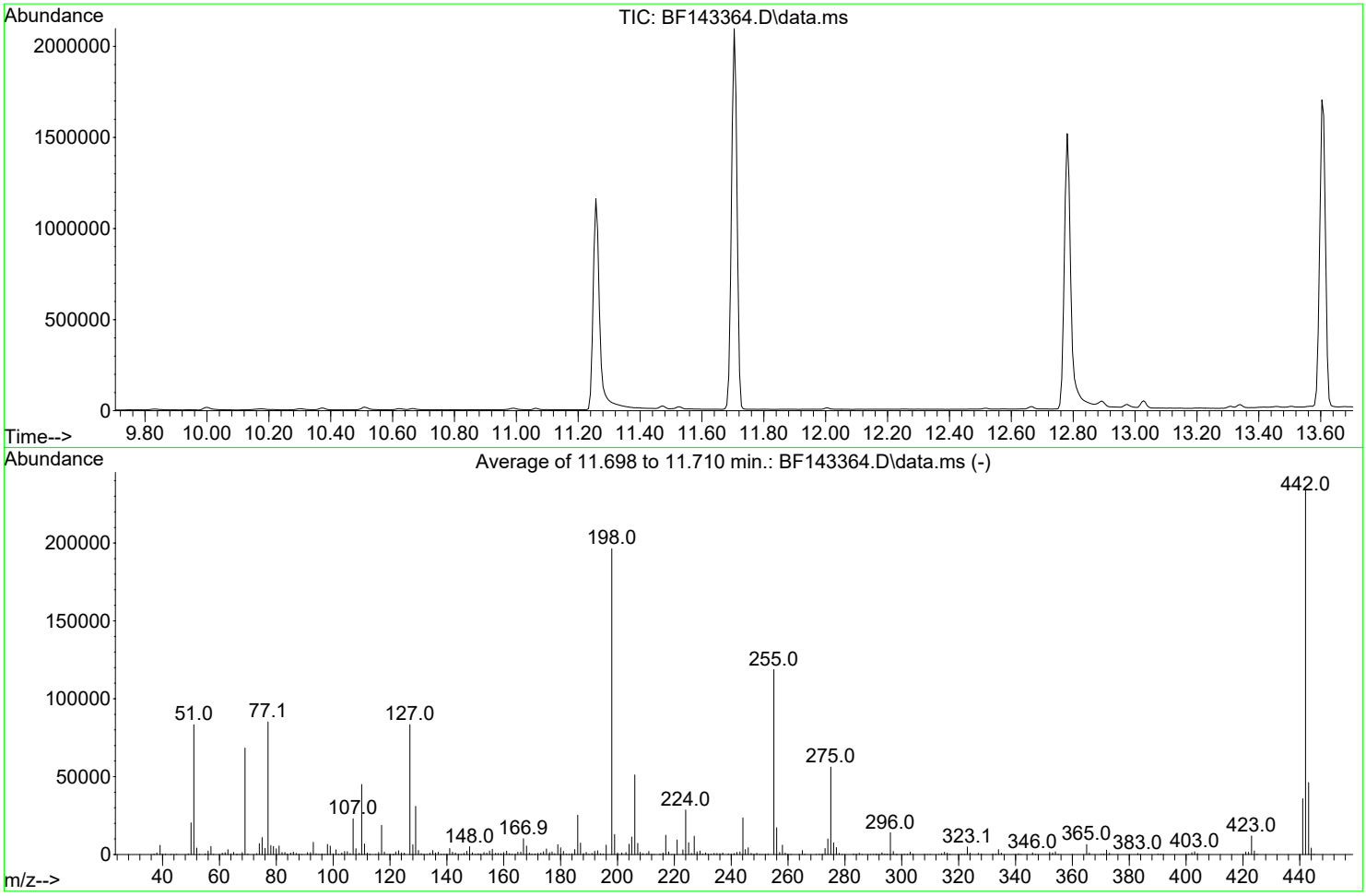
Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_F	BF143342.D
Compound Name	**Response**	**Retention Time**
DDT	266385	13.61
DDD	3780	13.345
DDE	3356	12.98
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7136	273521	2.61

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143364.D
Acq On : 13 Aug 2025 08:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



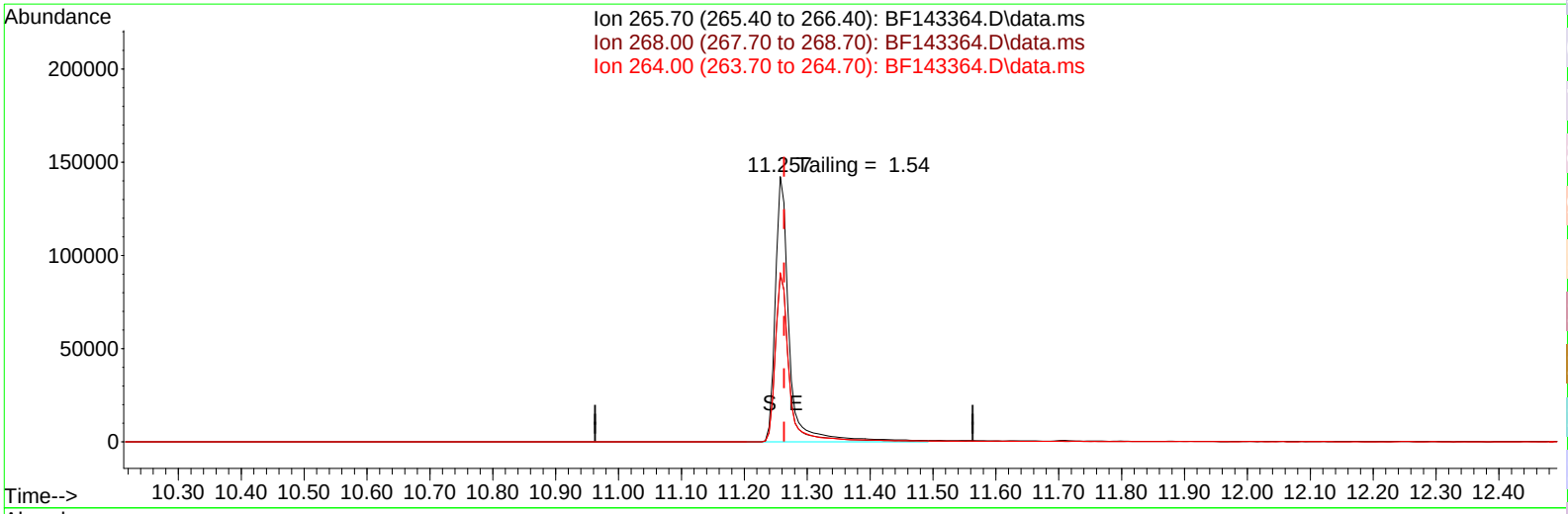
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

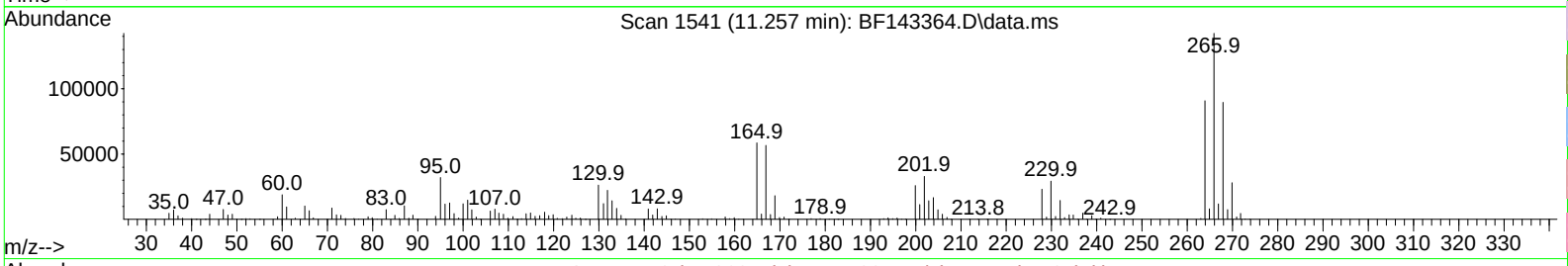
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1286	PASS
69	69	100	100	100.0	68336	PASS
70	69	0.00	2	0.6	395	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	196331	PASS
199	198	5	9	6.6	12910	PASS
365	198	1	100	3.3	6489	PASS
441	443	0.01	150	77.5	35787	PASS
442	442	100	100	100.0	233685	PASS
443	442	15	24	19.8	46192	PASS

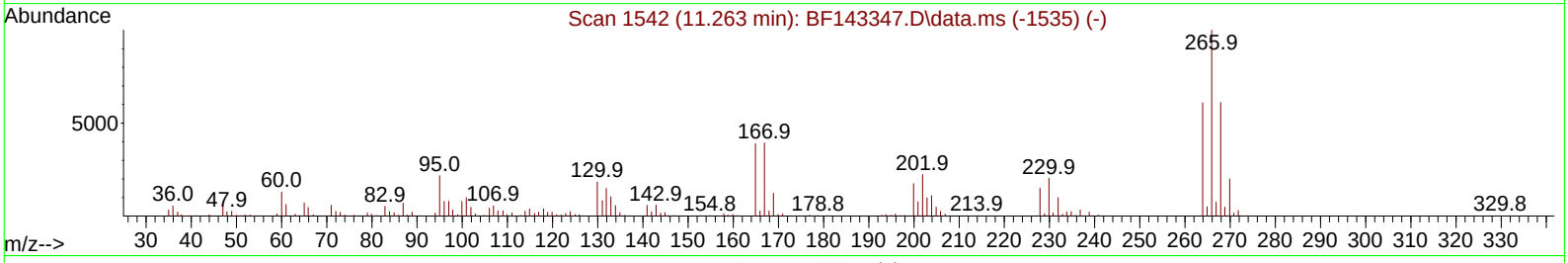
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143364.D
Acq On : 13 Aug 2025 08:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 13 11:48:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143364.D\data.ms

(70) Pentachlorophenol (C)

11.257min (-0.006) 27752.57 ng

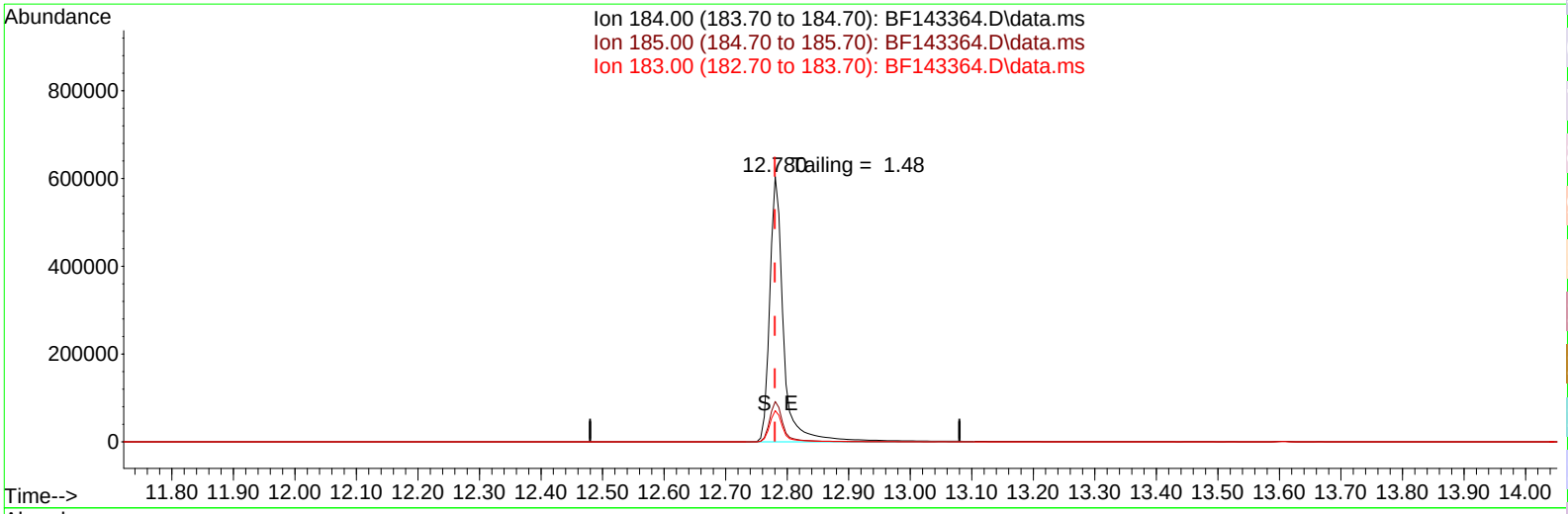
response 221678

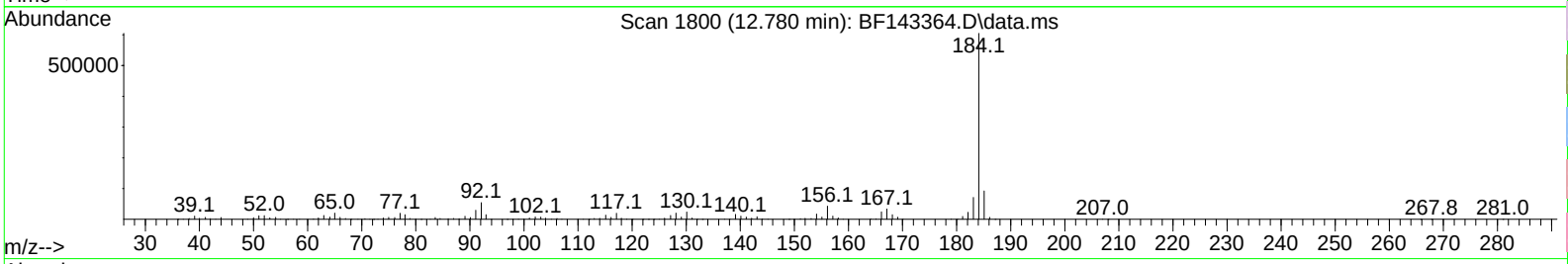
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	62.96
264.00	61.00	63.80
0.00	0.00	0.00

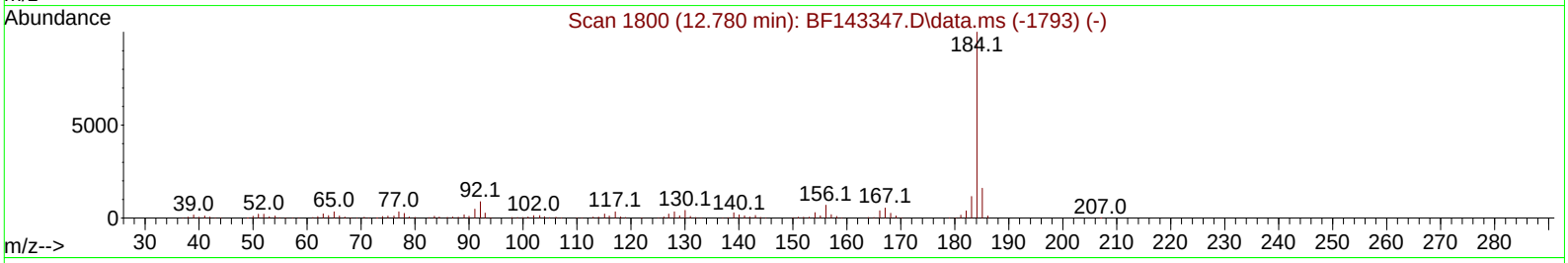
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143364.D
Acq On : 13 Aug 2025 08:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 13 11:48:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143364.D\data.ms

(77) Benzidine

12.780min (+ 0.000) 0.00 ng

response 949077

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	15.22
183.00	11.60	11.79
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

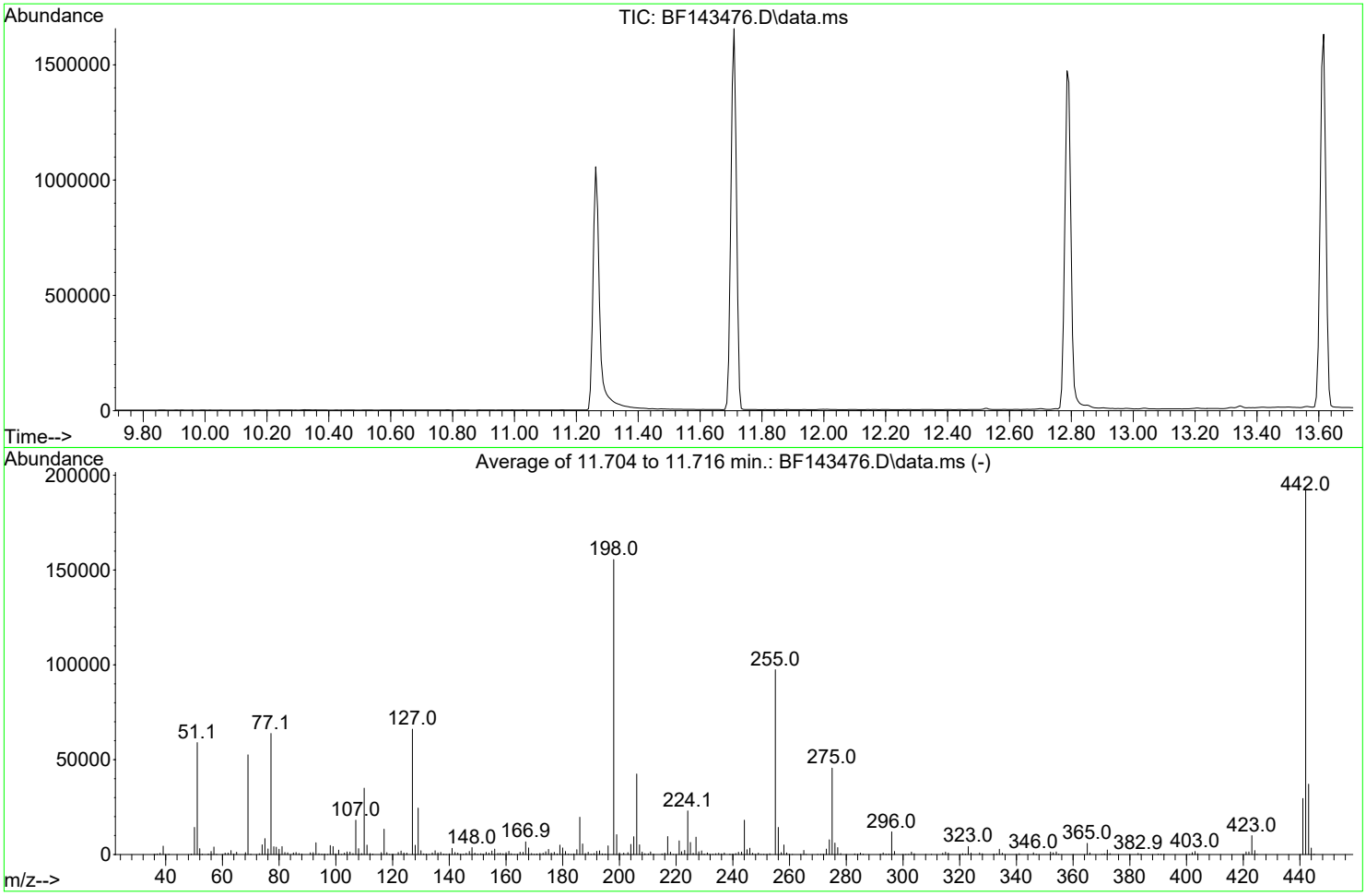
Date	Instrument Name	DFTPP Data File
8/13/2025	BNA_F	BF143364.D
Compound Name	**Response**	**Retention Time**
DDT	428873	13.604
DDD	10022	13.339
DDE	6725	12.975
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16747	445620	3.76

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



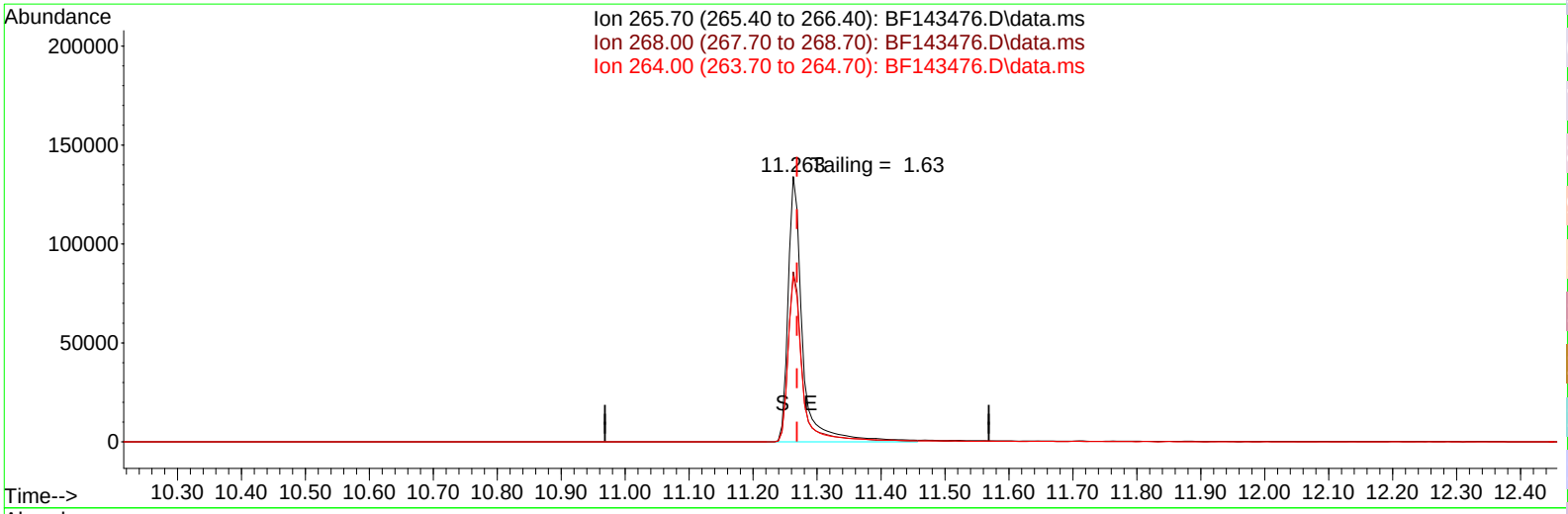
AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

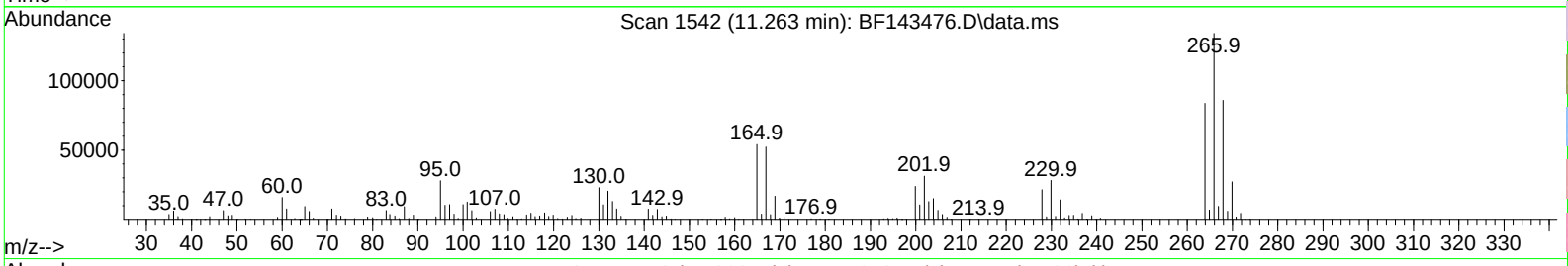
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	985	PASS
69	69	100	100	100.0	52563	PASS
70	69	0.00	2	0.5	276	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	155509	PASS
199	198	5	9	6.8	10536	PASS
365	198	1	100	3.8	5904	PASS
441	443	0.01	150	79.6	29523	PASS
442	442	100	100	100.0	191893	PASS
443	442	15	24	19.3	37093	PASS

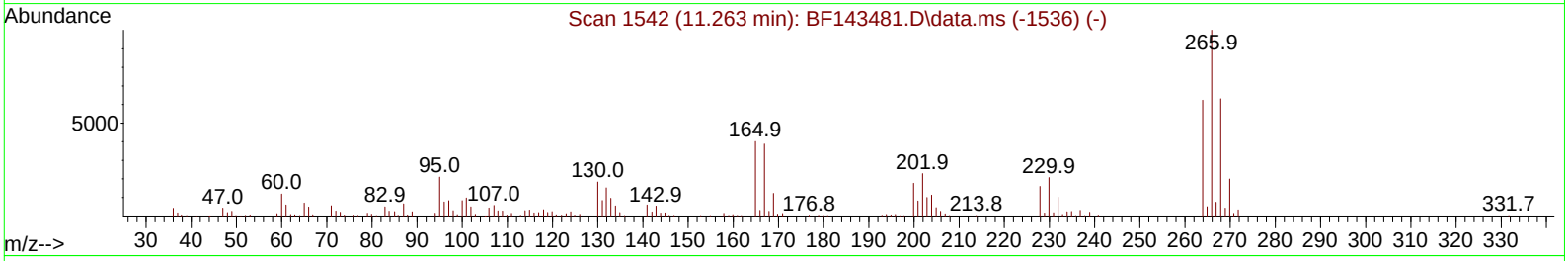
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration







TIC: BF143476.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 46358.19 ng

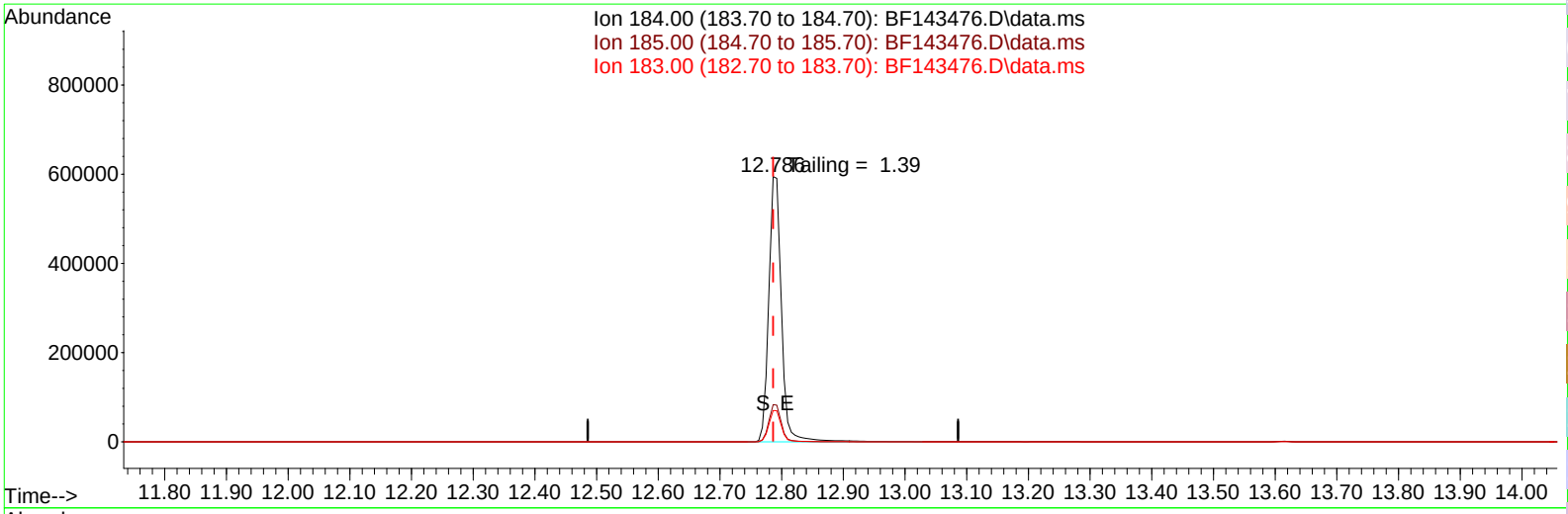
response 211078

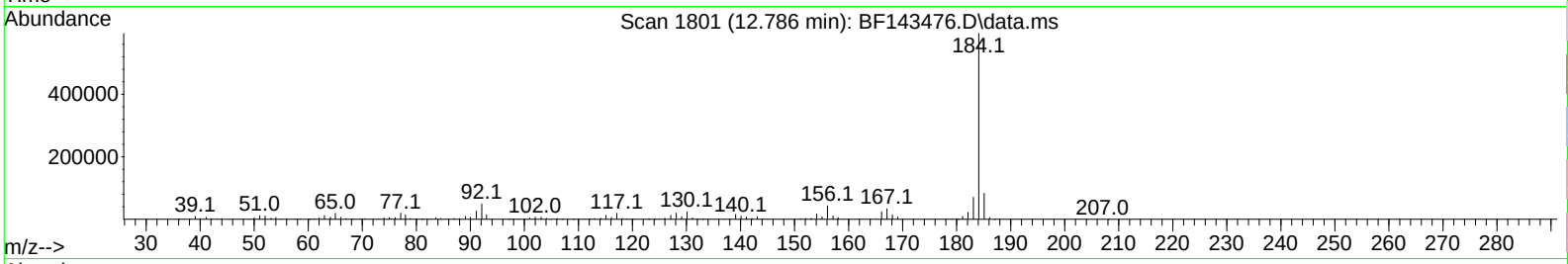
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.07
264.00	62.30	62.45
0.00	0.00	0.00

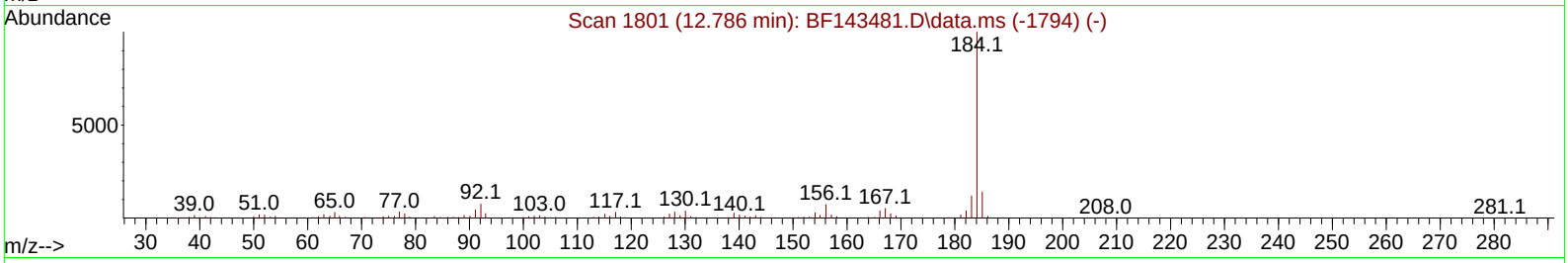
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
Data File : BF143476.D
Acq On : 20 Aug 2025 10:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 20 15:07:46 2025
Response via : Initial Calibration







TIC: BF143476.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 0.00 ng

response 857686

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.00
183.00	11.90	11.84
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

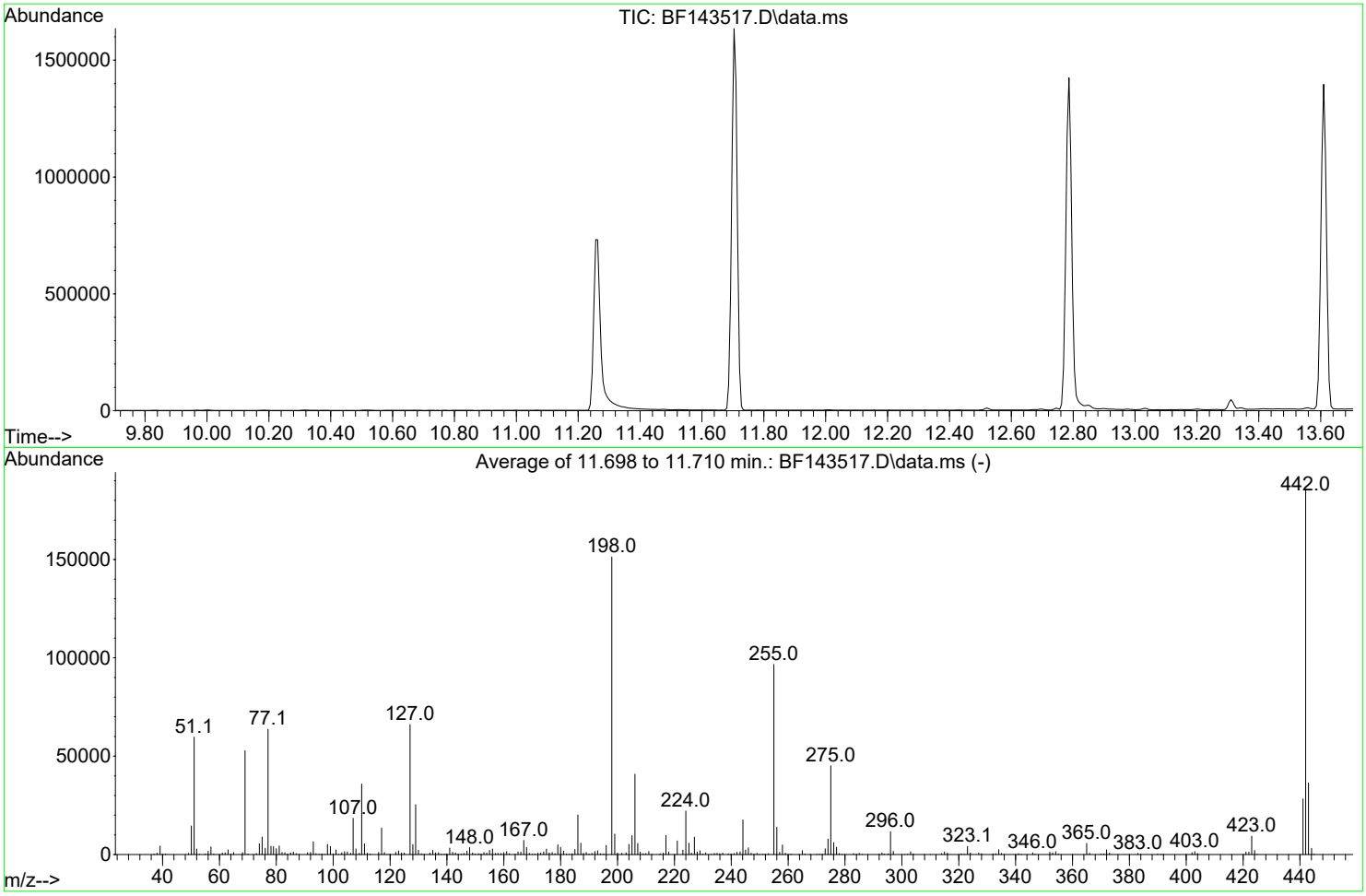
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_F	BF143476.D
Compound Name	**Response**	**Retention Time**
DDT	414933	13.616
DDD	4692	13.345
DDE	1143	12.98
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5835	420768	1.39

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 21 06:12:21 2025



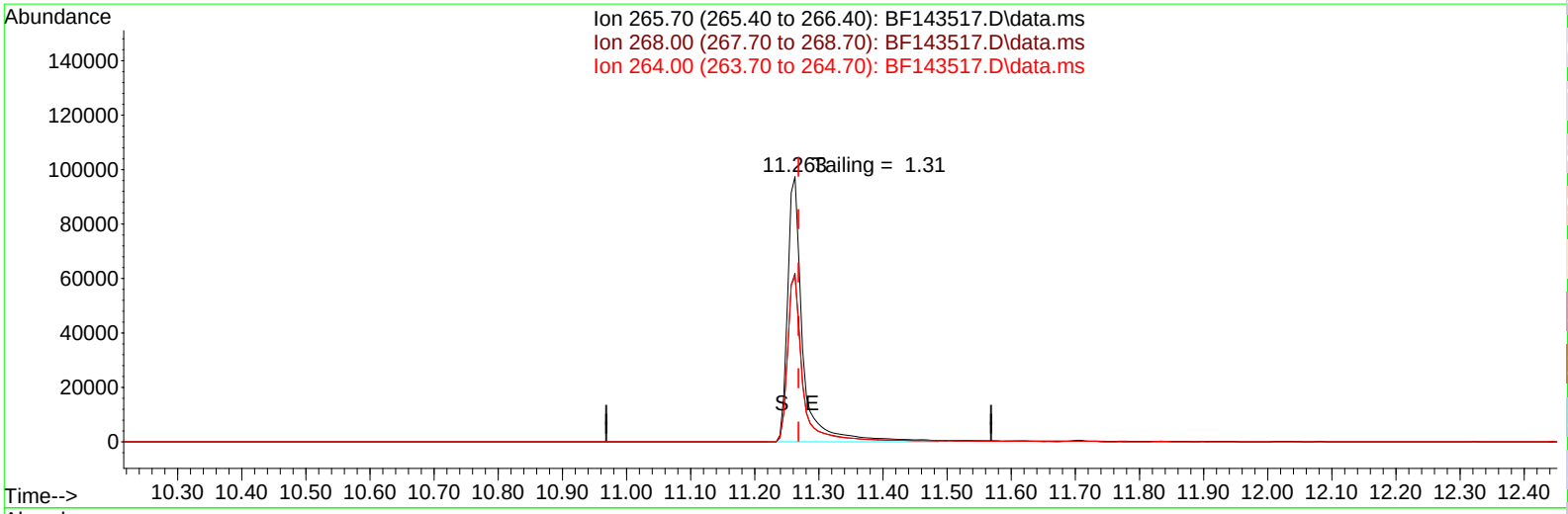
AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

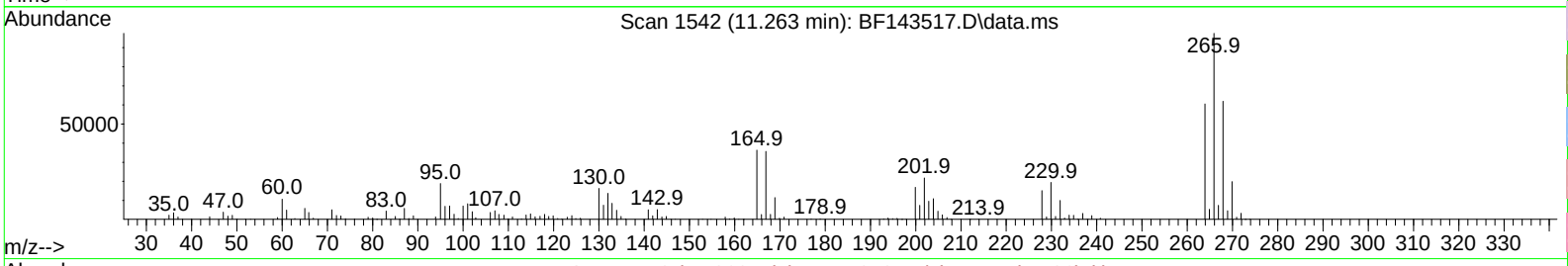
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	984	PASS
69	69	100	100	100.0	52787	PASS
70	69	0.00	2	0.6	326	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	151288	PASS
199	198	5	9	6.9	10453	PASS
365	198	1	100	3.8	5742	PASS
441	443	0.01	150	77.6	28243	PASS
442	442	100	100	100.0	185035	PASS
443	442	15	24	19.7	36395	PASS

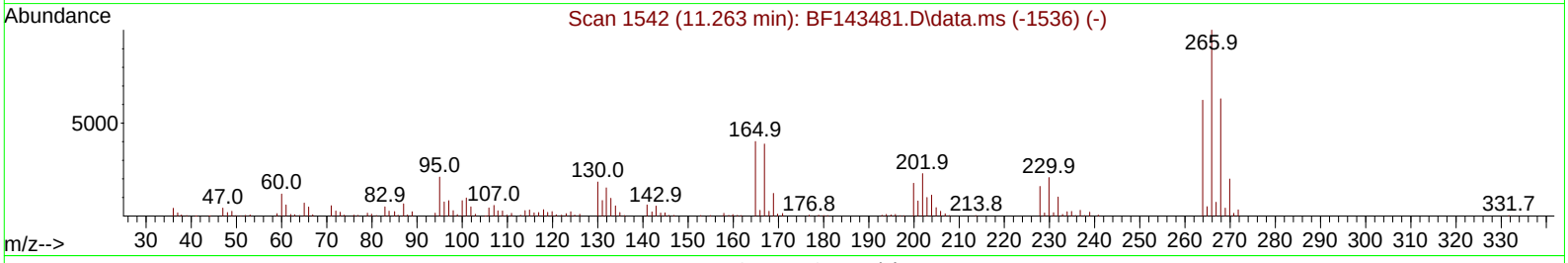
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration







TIC: BF143517.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.006) 27043.48 ng

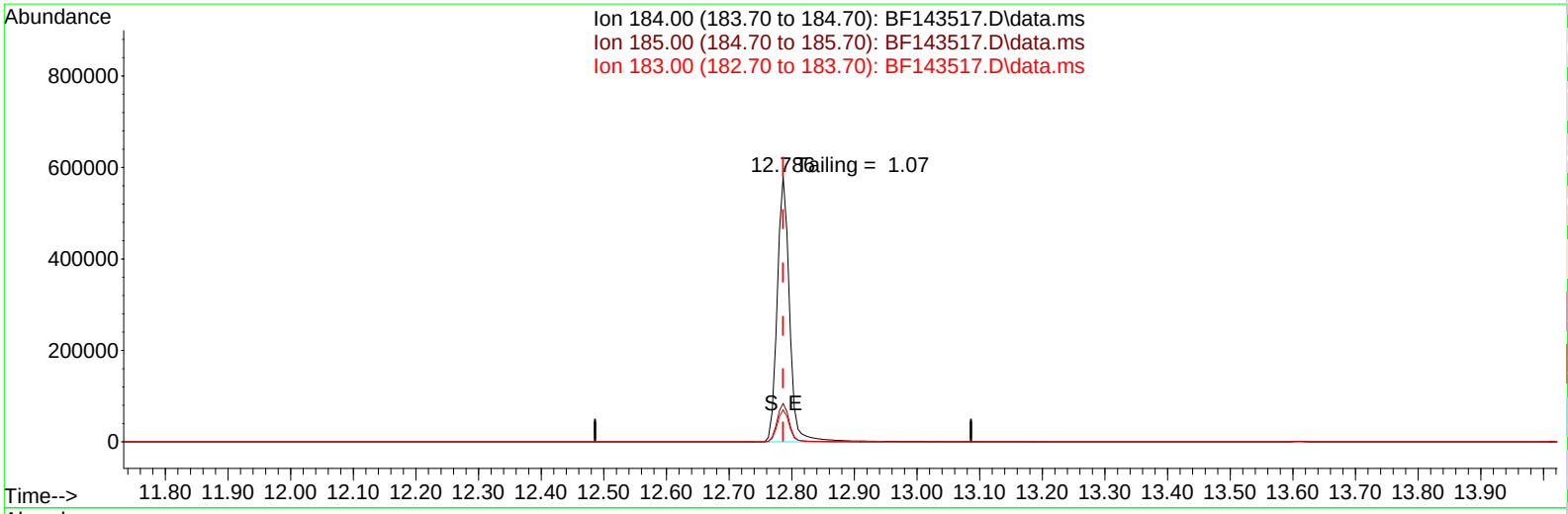
response 160887

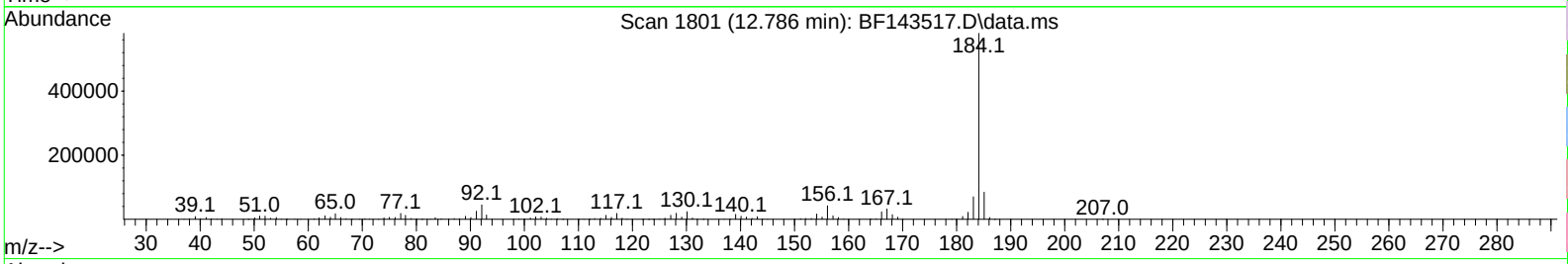
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.52
264.00	62.30	62.15
0.00	0.00	0.00

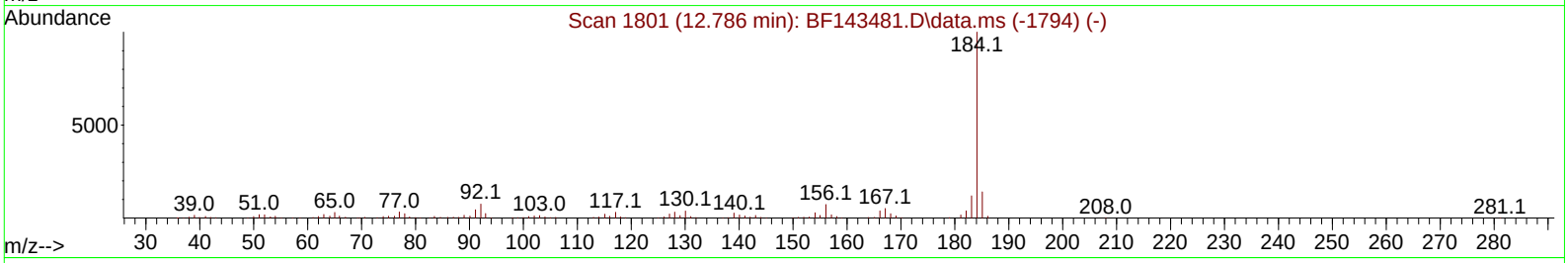
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143517.D
Acq On : 21 Aug 2025 08:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 08:42:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration







TIC: BF143517.D\data.ms

(77) Benzidine

12.786min (+ 0.000) 116738.94 ng

response 796205

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.54
183.00	11.90	12.13
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

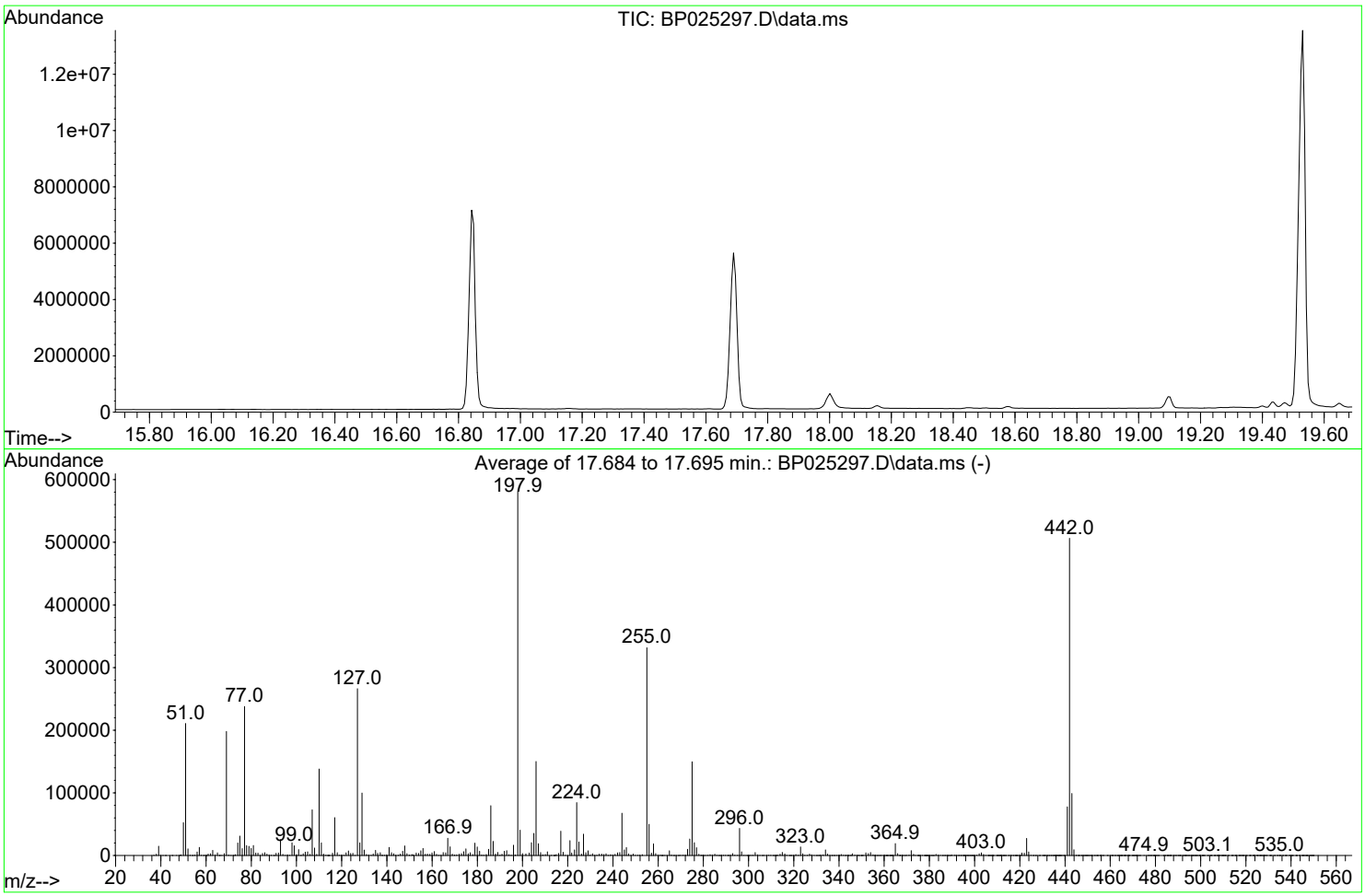
Date	Instrument Name	DFTPP Data File
8/21/2025	BNA_F	BF143517.D
Compound Name	**Response**	**Retention Time**
DDT	346568	13.61
DDD	14042	13.31
DDE	896	12.974
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14938	361506	4.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025



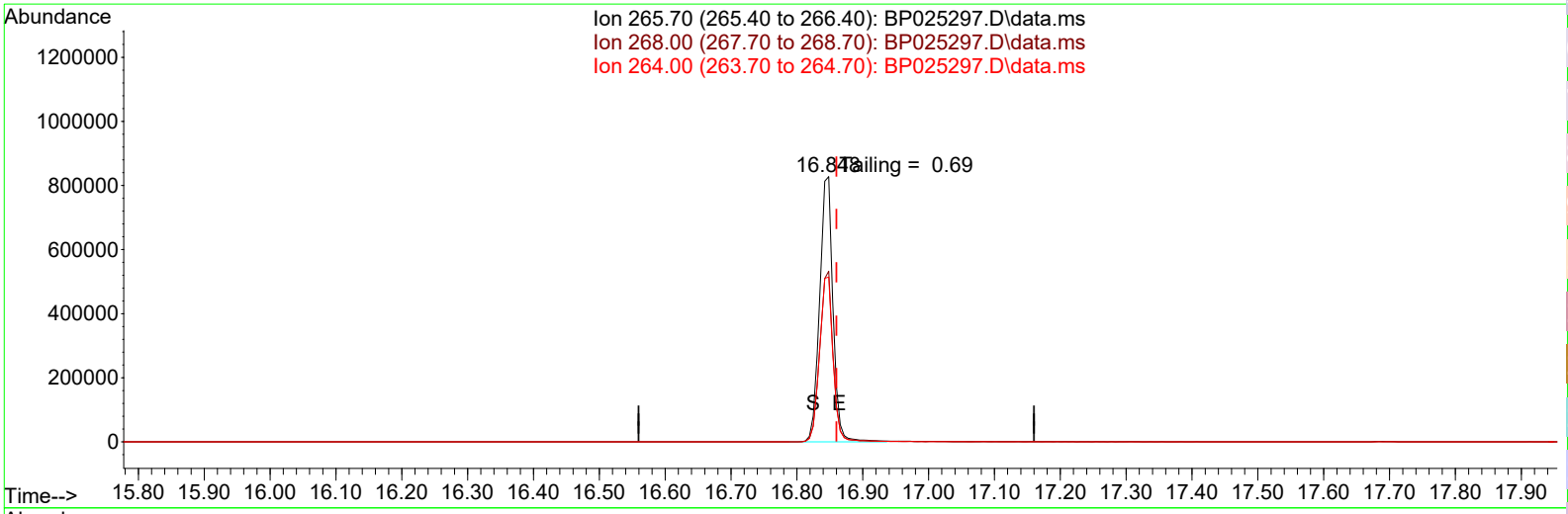
AutoFind: Scans 2507, 2508, 2509; Background Corrected with Scan 2497

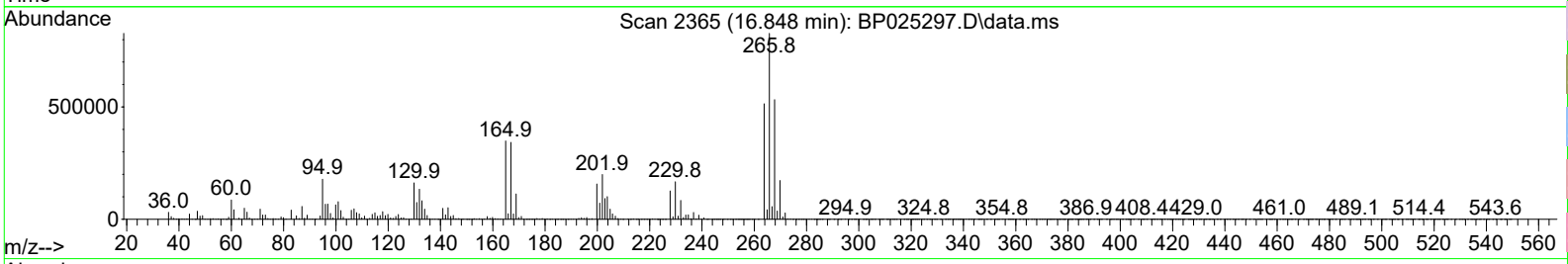
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3139	PASS
69	69	100	100	100.0	197961	PASS
70	69	0.00	2	0.5	1001	PASS
197	198	0.00	2	0.2	934	PASS
198	198	100	100	100.0	580472	PASS
199	198	5	9	7.0	40411	PASS
365	198	1	100	3.3	19143	PASS
441	443	0.01	150	78.4	77662	PASS
442	442	100	100	100.0	506491	PASS
443	442	15	24	19.6	99034	PASS

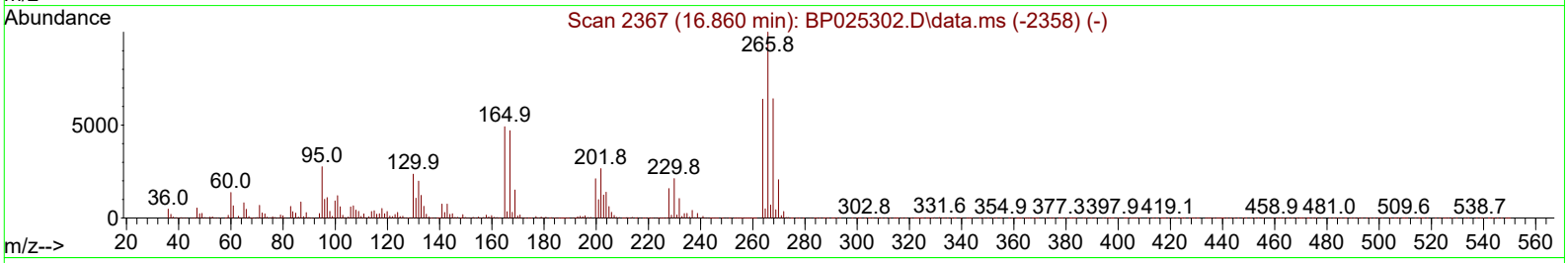
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 06 07:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025297.D\data.ms

(70) Pentachlorophenol (C)

16.848min (-0.012) 1707314.09 ng

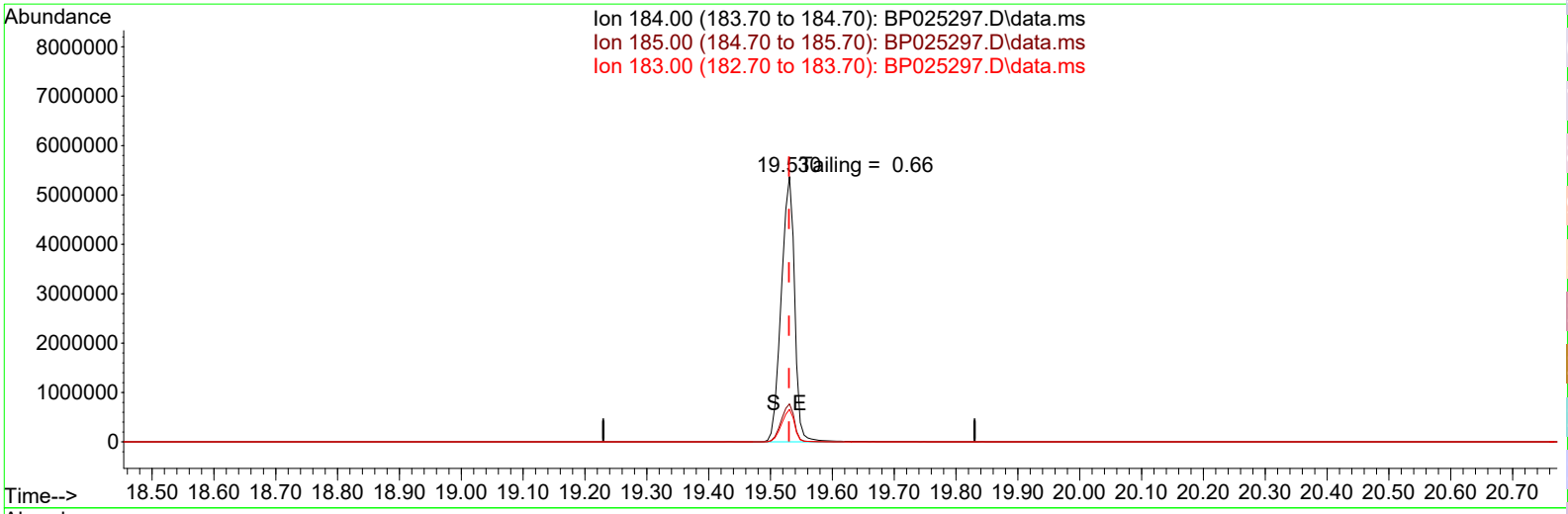
response 1166643

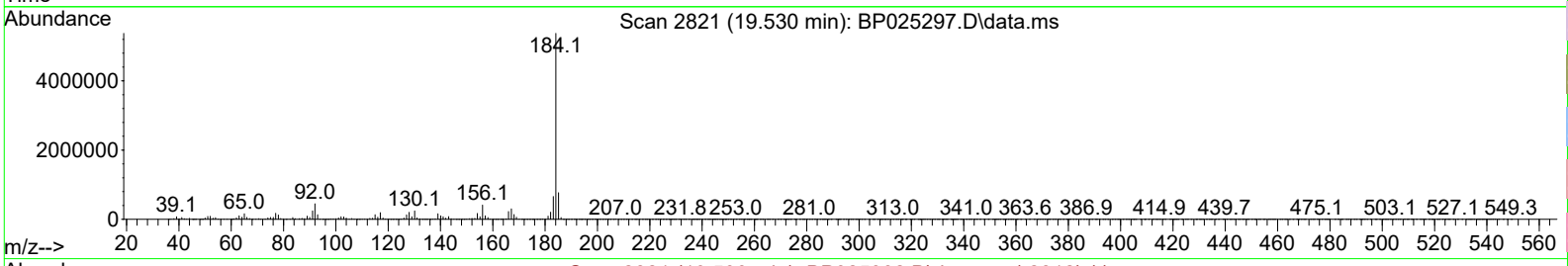
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.20	64.31
264.00	63.90	62.13
0.00	0.00	0.00

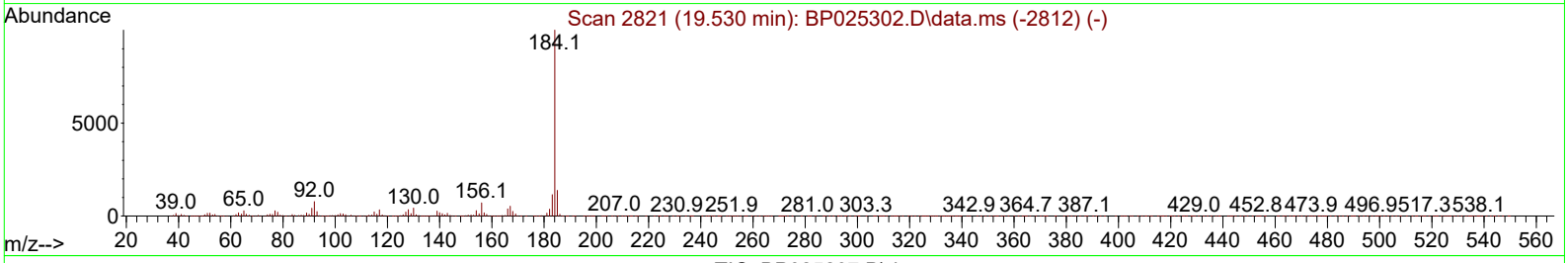
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025297.D
Acq On : 05 Aug 2025 11:21
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 06 07:09:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025297.D\data.ms

(77) Benzidine

19.530min (+ 0.000) 113432.74 ng

response 8120949

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.80	14.30
183.00	11.50	12.22
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

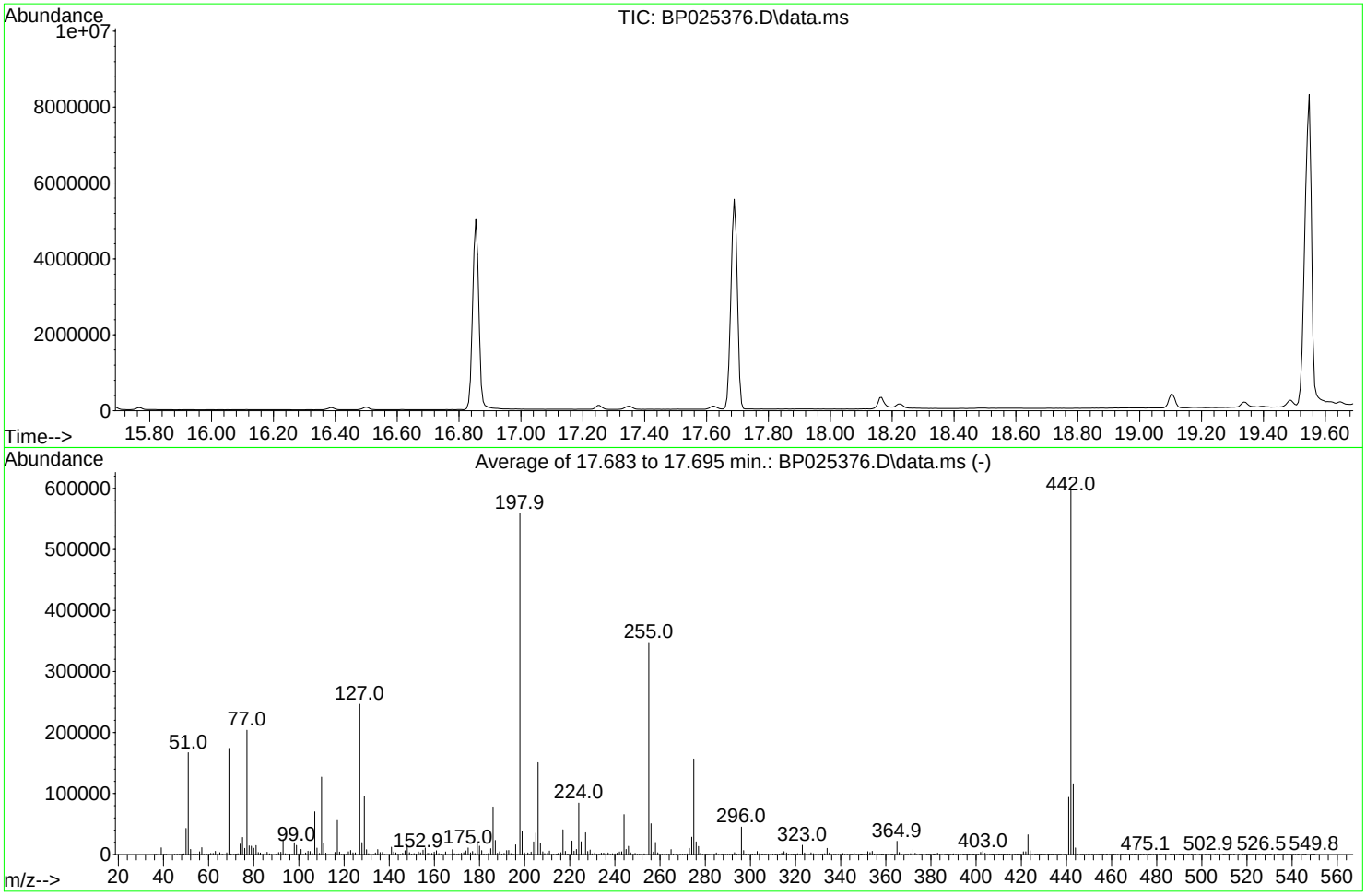
Date	Instrument Name	DFTPP Data File
8/5/2025	BNA_P	BP025297.D
Compound Name	**Response**	**Retention Time**
DDT	2359483	20.83
DDD	25464	20.425
DDE	1490	19.836
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
26954	2386437	1.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025376.D
Acq On : 13 Aug 2025 09:10
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 06 06:41:44 2025



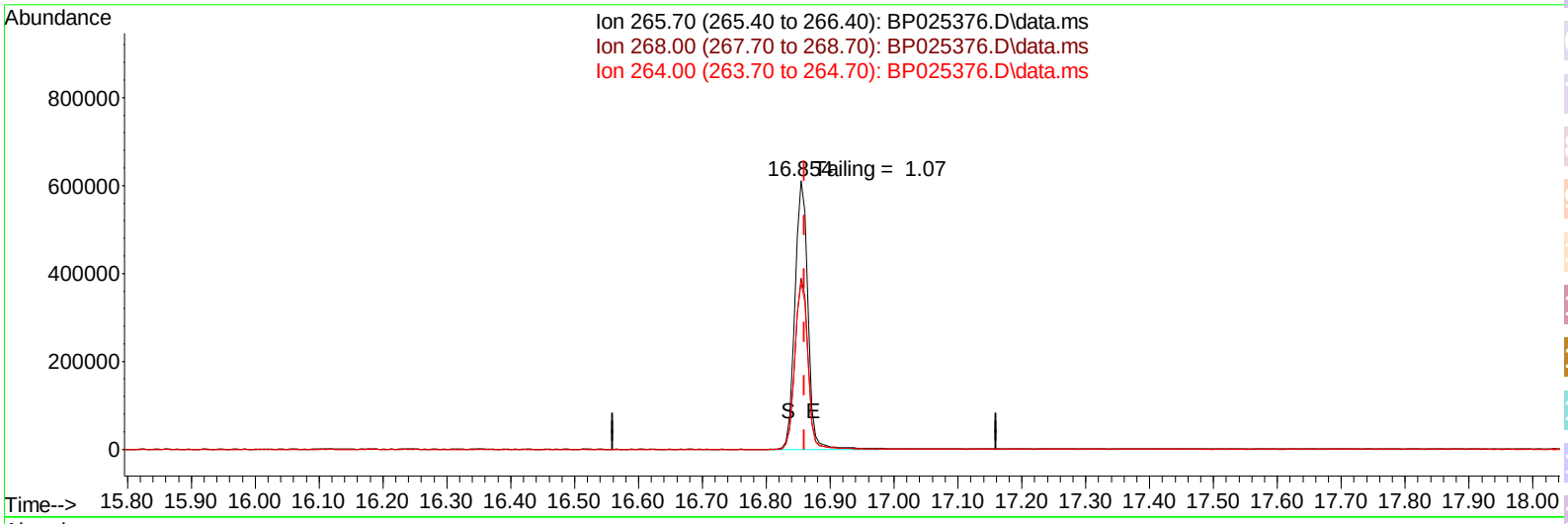
AutoFind: Scans 2507, 2508, 2509; Background Corrected with Scan 2496

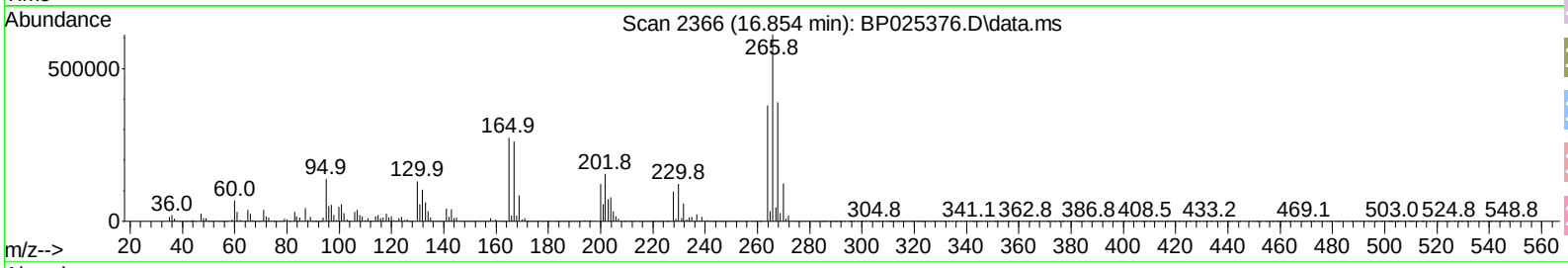
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	3000	PASS
69	69	100	100	100.0	174059	PASS
70	69	0.00	2	0.5	948	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	559040	PASS
199	198	5	9	6.9	38448	PASS
365	198	1	100	3.9	21719	PASS
441	443	0.01	150	80.7	93704	PASS
442	442	100	100	100.0	596565	PASS
443	442	15	24	19.5	116141	PASS

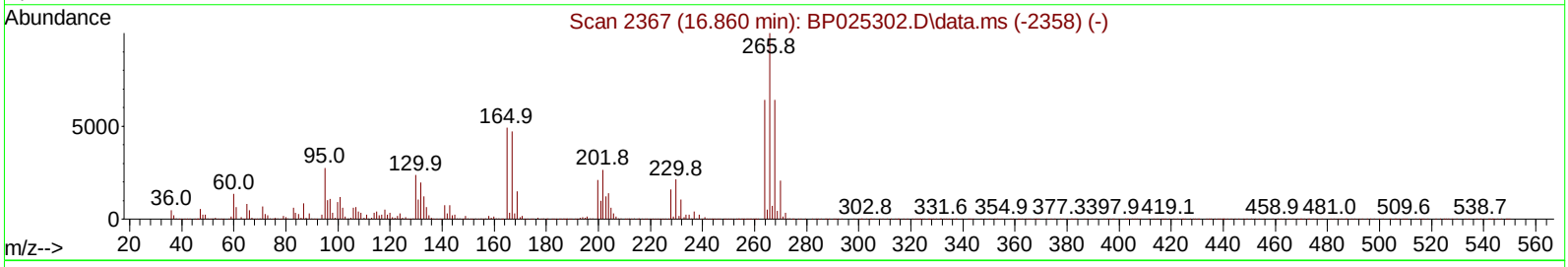
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025376.D
Acq On : 13 Aug 2025 09:10
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 13 10:45:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025376.D\data.ms

(70) Pentachlorophenol (C)

16.854min (-0.006) 72054.22 ng

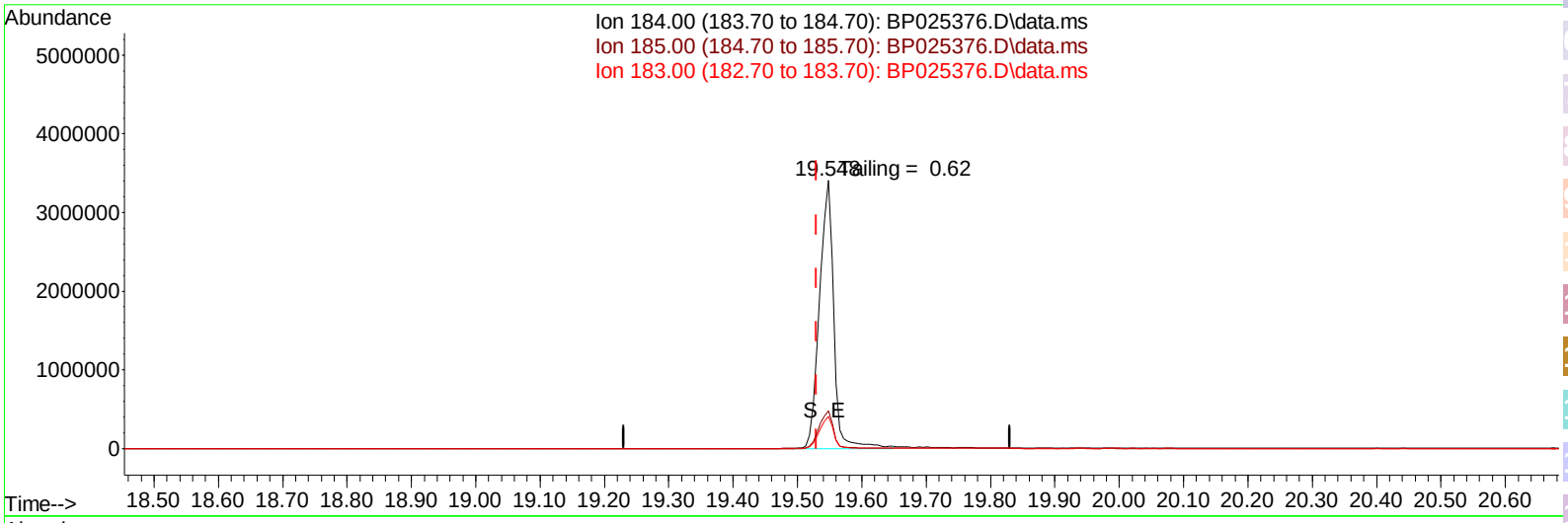
response 872257

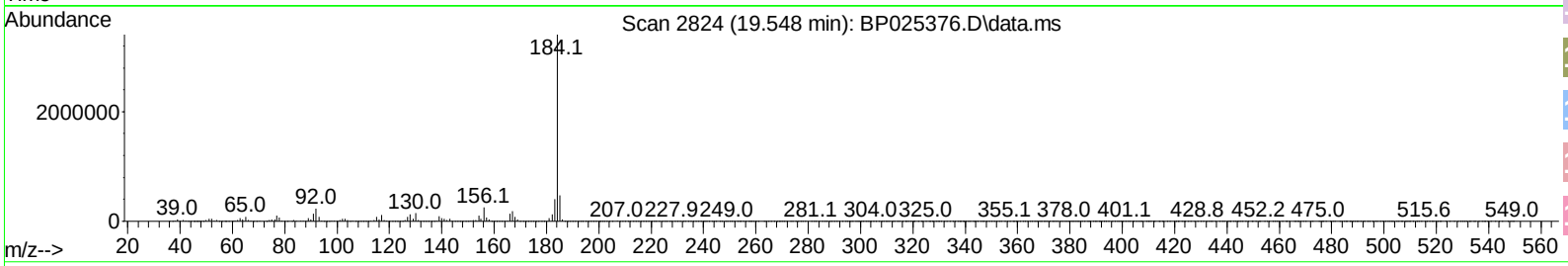
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.20	63.77
264.00	63.90	62.17
0.00	0.00	0.00

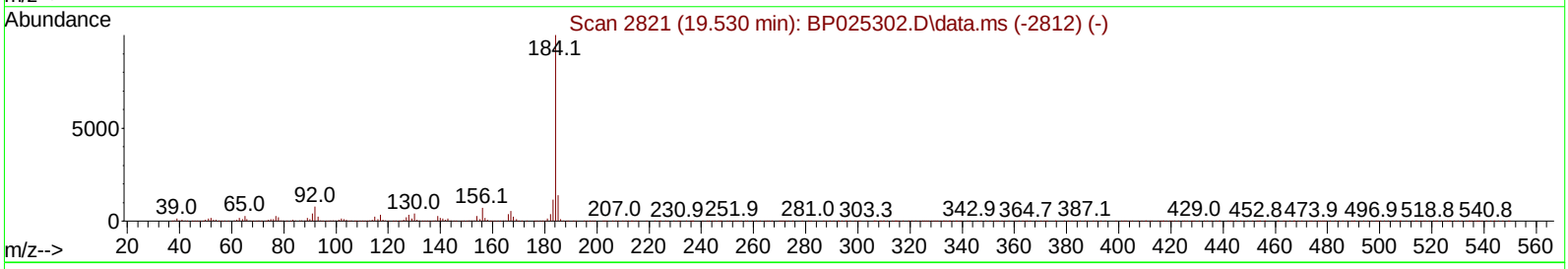
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025376.D
Acq On : 13 Aug 2025 09:10
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 13 10:45:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration







TIC: BP025376.D\data.ms

(77) Benzidine

19.548min (+ 0.018) 57458.25 ng

response 5292761

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.80	14.00
183.00	11.50	11.99
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

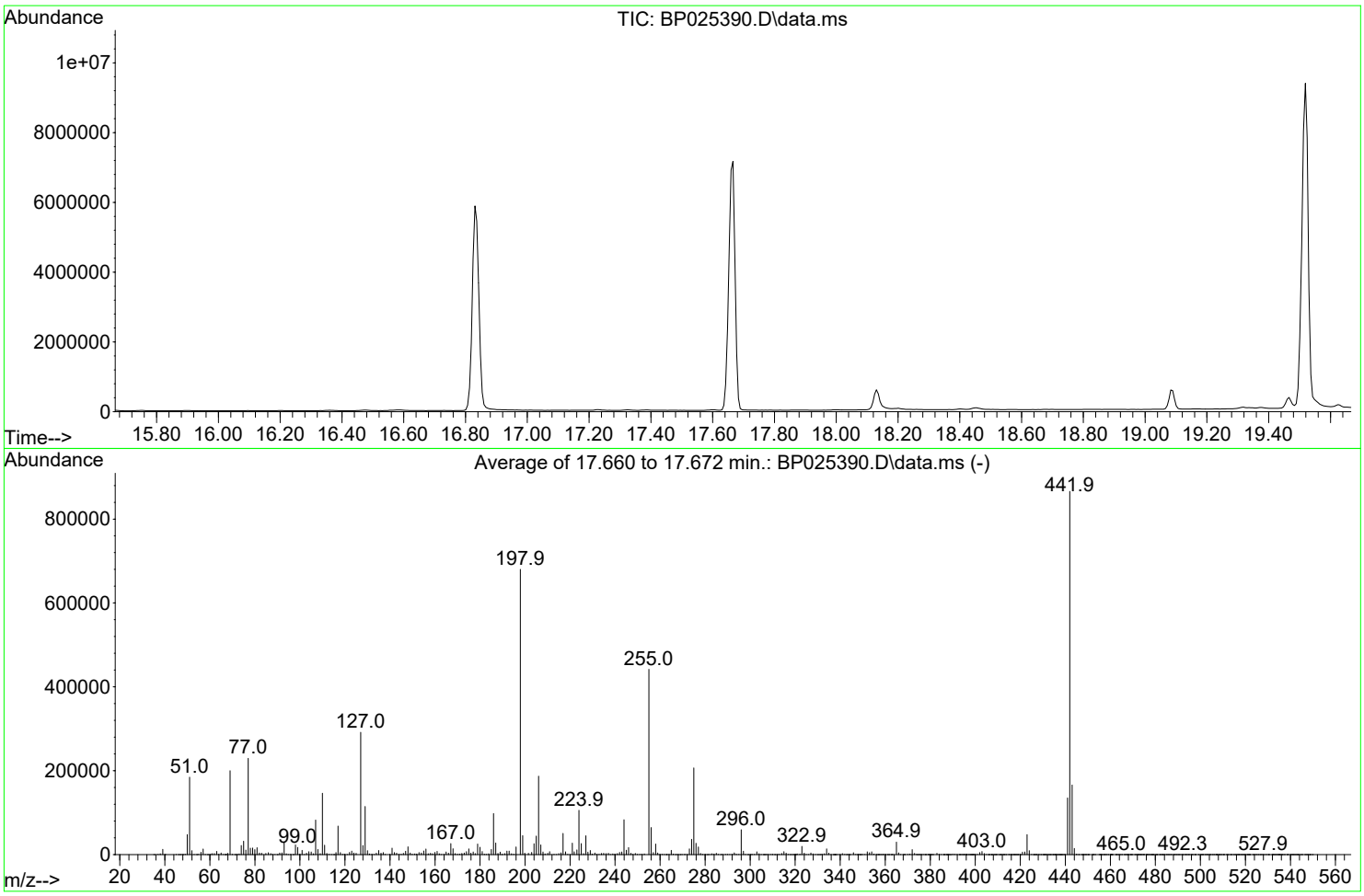
Date	Instrument Name	DFTPP Data File
8/13/2025	BNA_P	BP025376.D
Compound Name	**Response**	**Retention Time**
DDT	2483175	20.842
DDD	51260	20.372
DDE	5330	19.848
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
56590	2539765	2.23

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



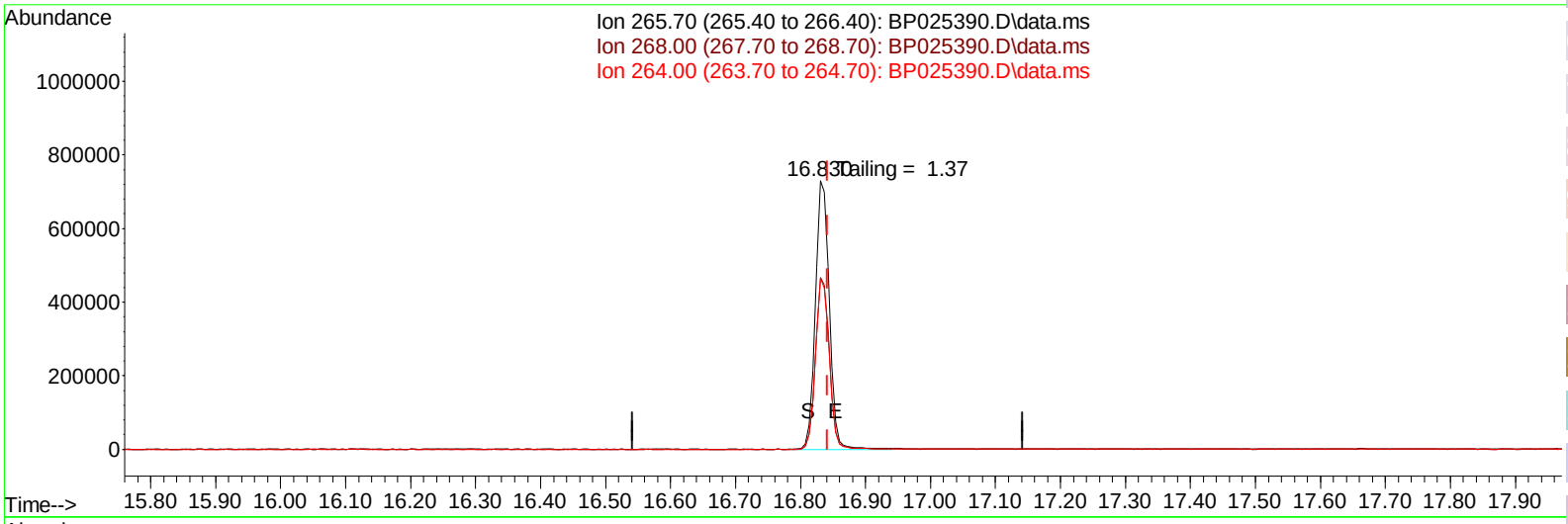
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

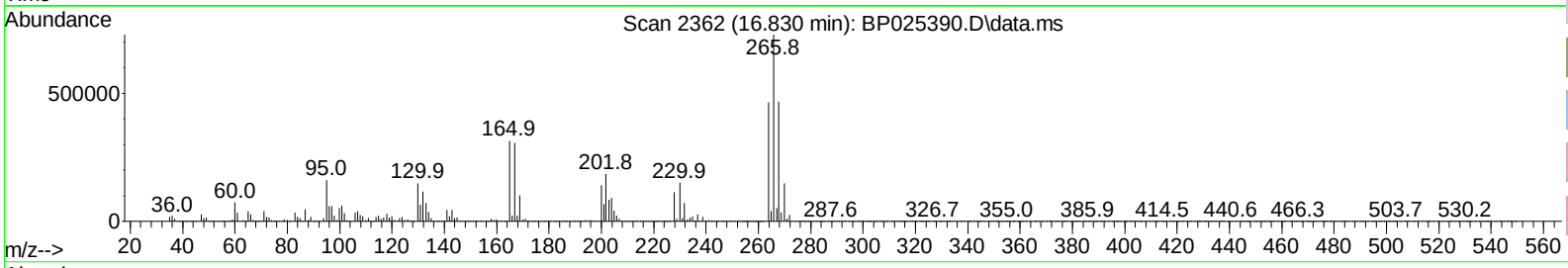
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	3290	PASS
69	69	100	100	100.0	199967	PASS
70	69	0.00	2	0.4	716	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	680138	PASS
199	198	5	9	6.7	45247	PASS
365	198	1	100	4.4	29981	PASS
441	443	0.01	150	81.3	135091	PASS
442	442	100	100	100.0	866023	PASS
443	442	15	24	19.2	166133	PASS

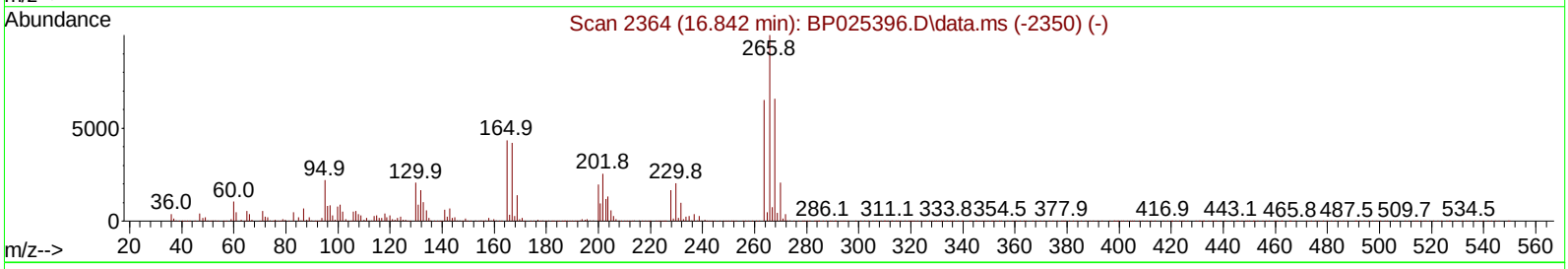
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025390.D\data.ms

(70) Pentachlorophenol (C)

16.830min (-0.012) 61985.64 ng

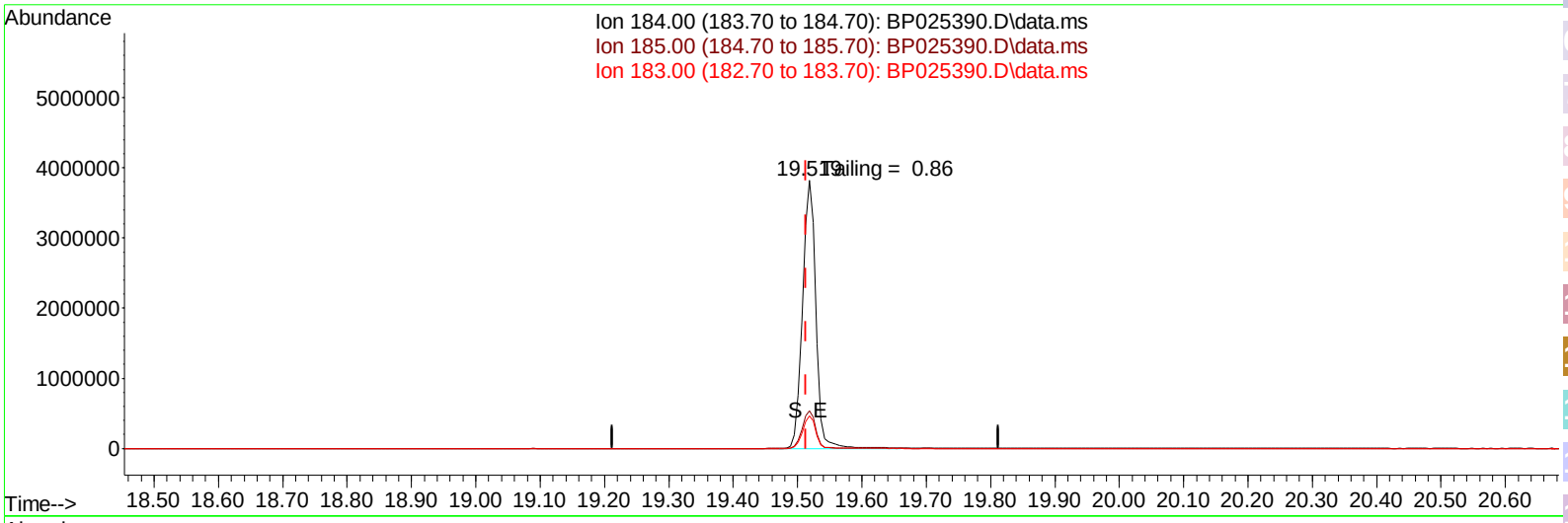
response 1096483

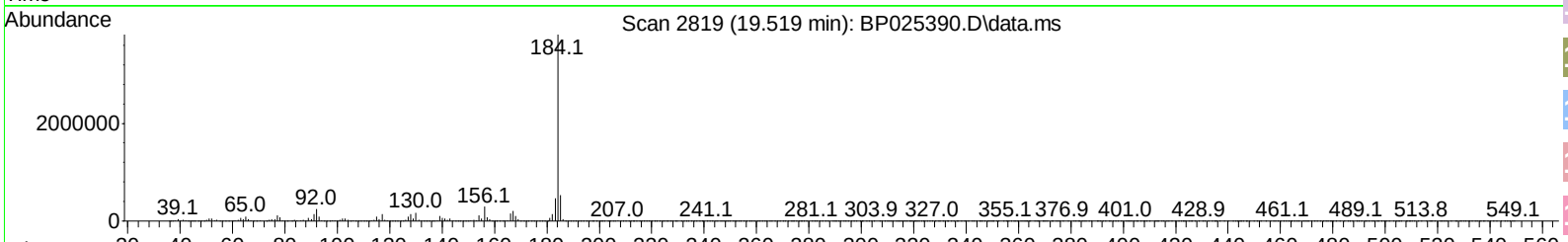
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.04
264.00	65.00	63.79
0.00	0.00	0.00

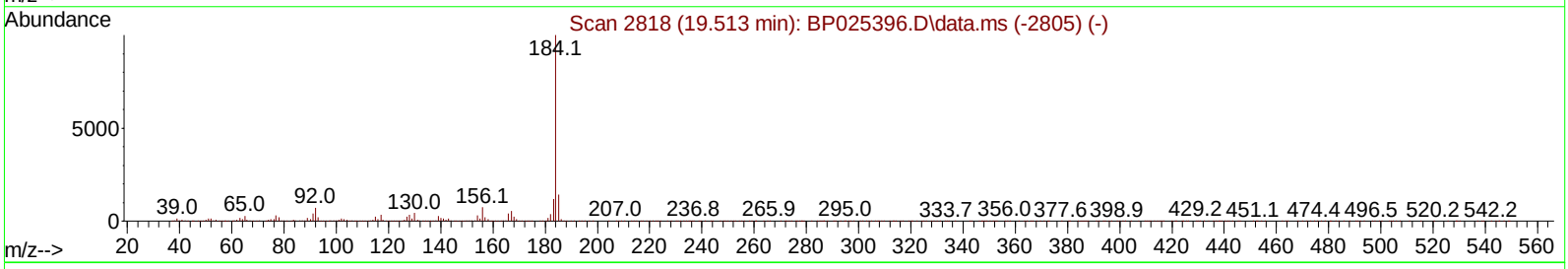
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025390.D
Acq On : 14 Aug 2025 10:30
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 18:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025390.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 64482.34 ng

response 5499416

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.03
183.00	11.80	12.10
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

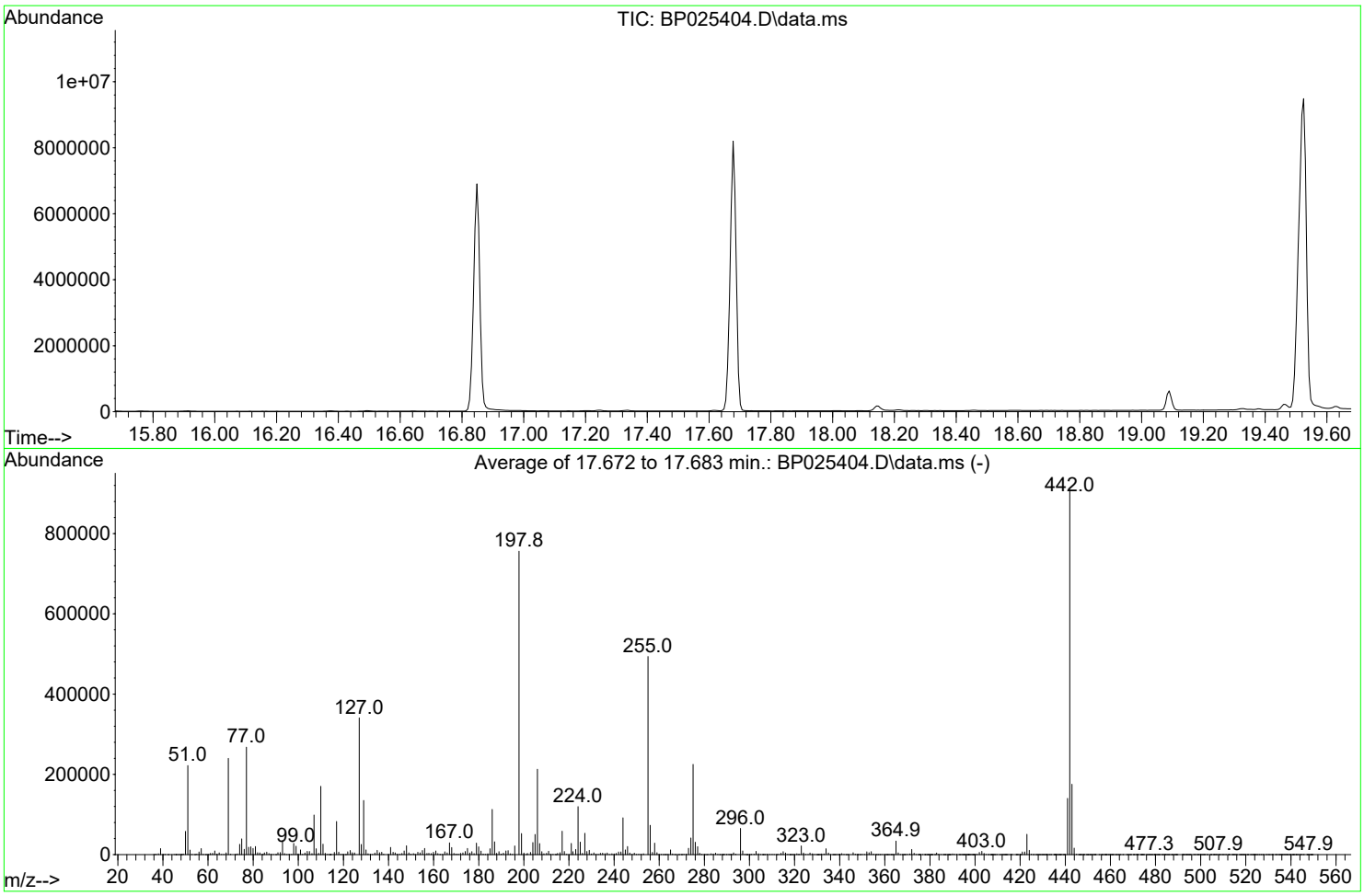
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	BP025390.D
Compound Name	**Response**	**Retention Time**
DDT	2976098	20.818
DDD	52170	20.407
DDE	9165	19.824
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
61335	3037433	2.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025404.D
Acq On : 14 Aug 2025 22:14
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



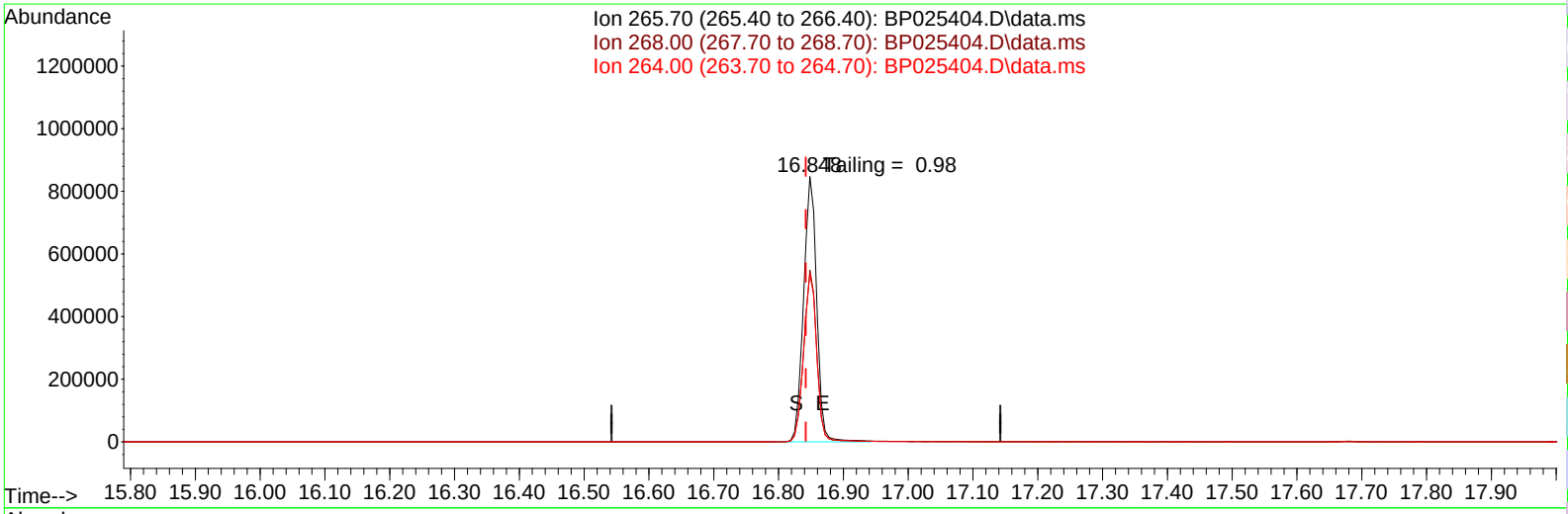
AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2496

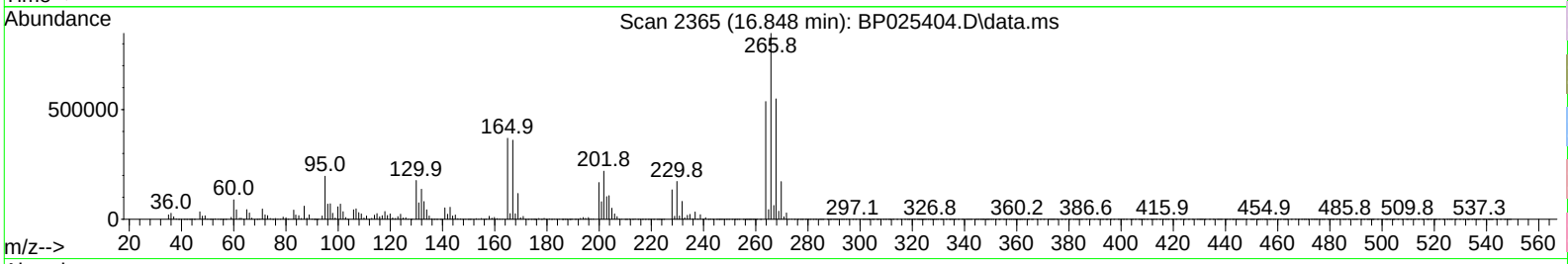
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4266	PASS
69	69	100	100	100.0	239963	PASS
70	69	0.00	2	0.5	1107	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	756157	PASS
199	198	5	9	6.9	52397	PASS
365	198	1	100	4.5	33744	PASS
441	443	0.01	150	79.9	140197	PASS
442	442	100	100	100.0	905133	PASS
443	442	15	24	19.4	175487	PASS

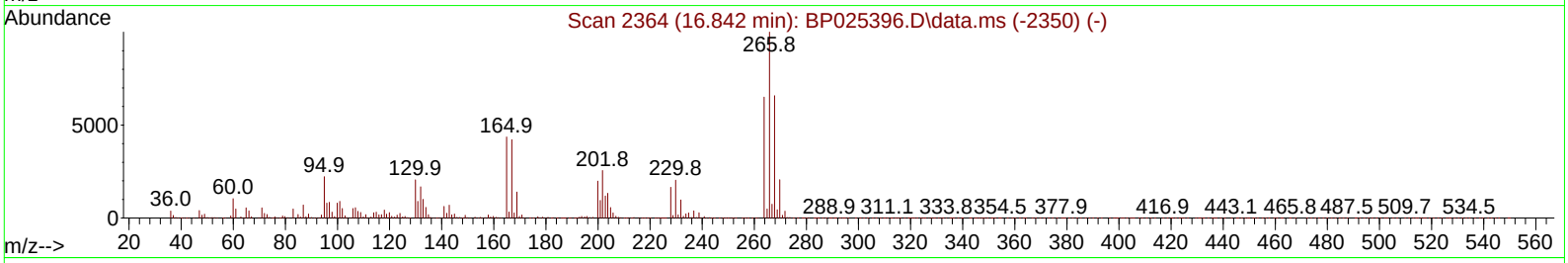
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025404.D
Acq On : 14 Aug 2025 22:14
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 03:47:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025404.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.006) 31099.04 ng

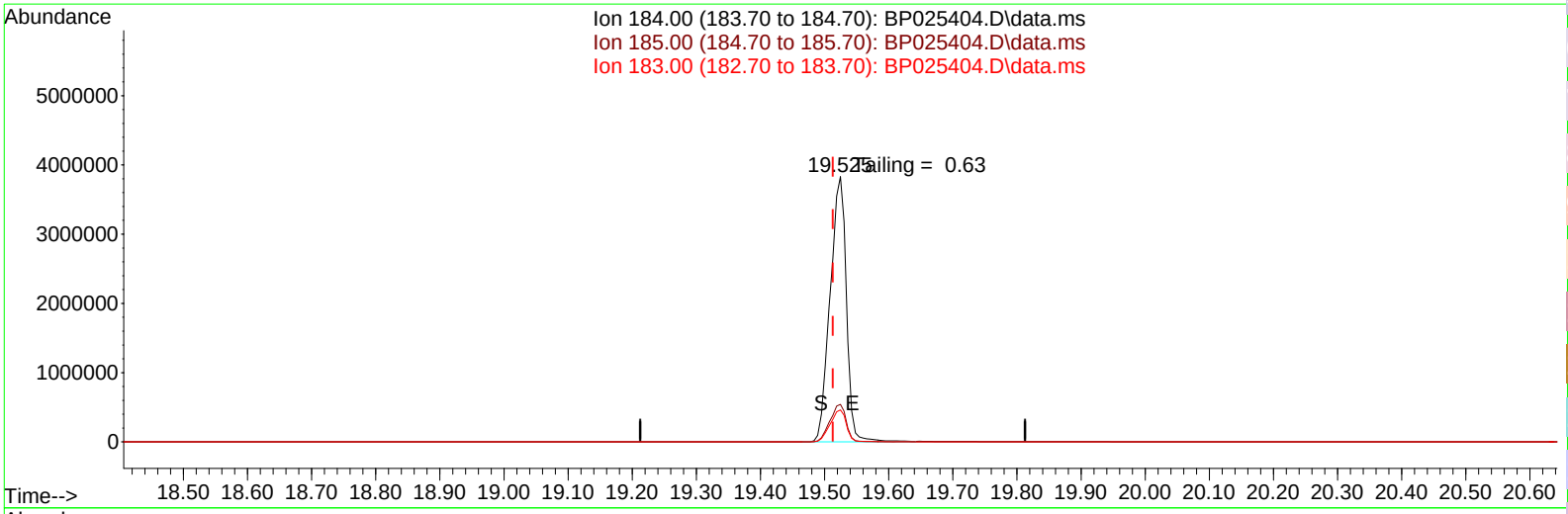
response 1200354

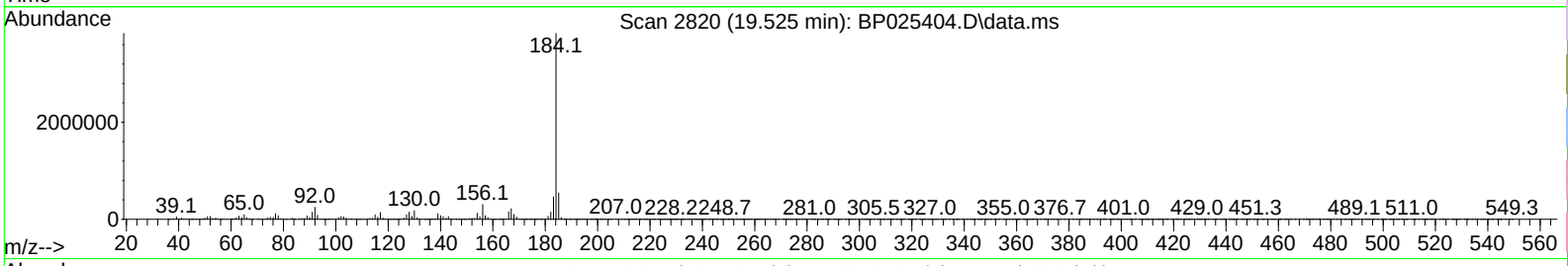
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.76
264.00	65.00	63.34
0.00	0.00	0.00

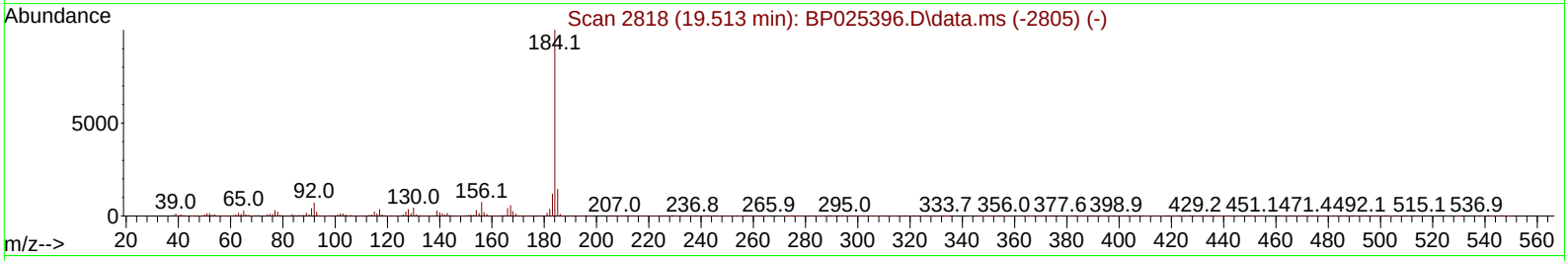
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025404.D
Acq On : 14 Aug 2025 22:14
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 03:47:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025404.D\data.ms

(77) Benzidine

19.525min (+ 0.012) 36687.84 ng

response 6768737

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.14
183.00	11.80	12.08
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

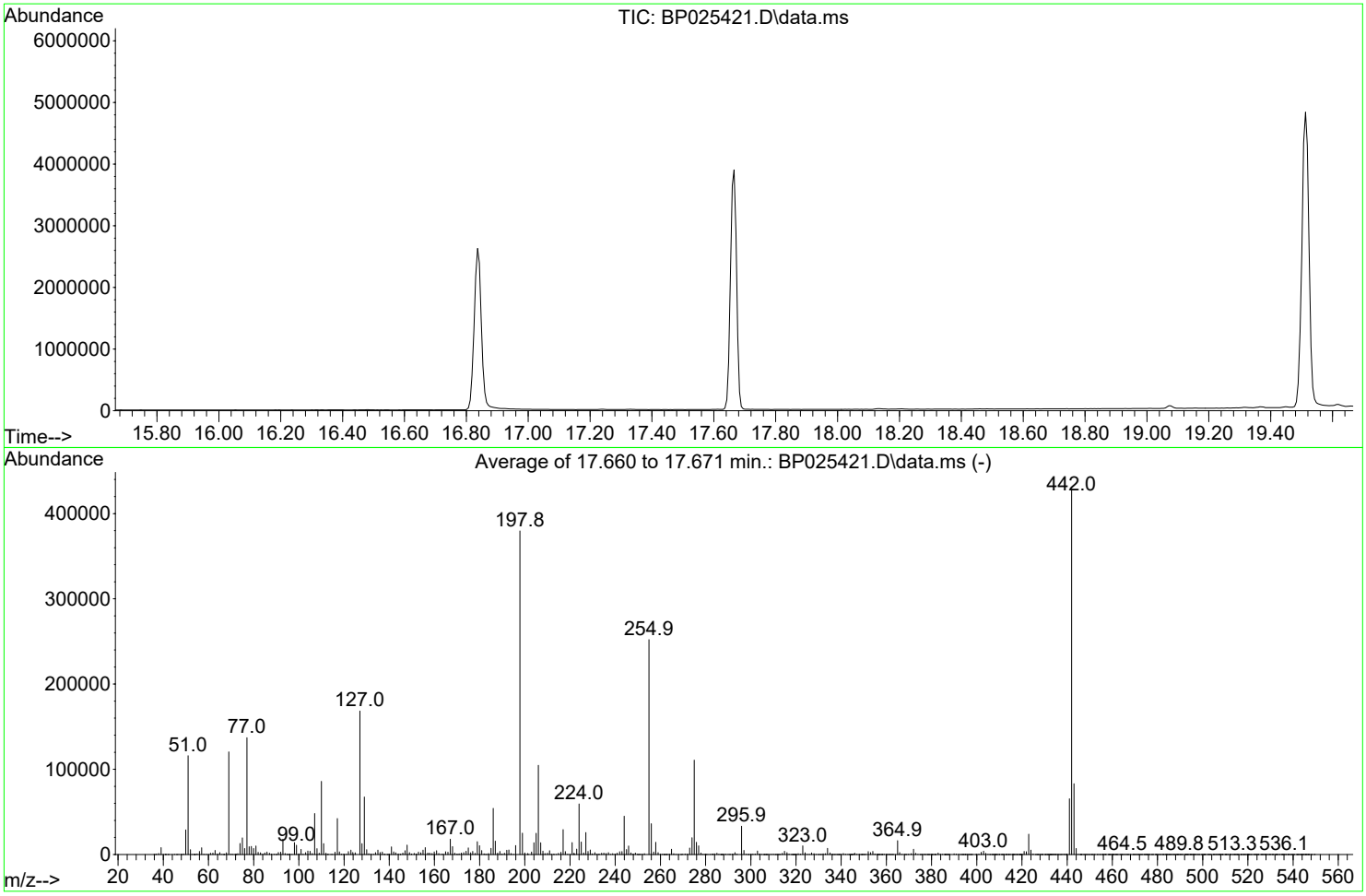
Date	Instrument Name	DFTPP Data File
8/14/2025	BNA_P	BP025404.D
Compound Name	**Response**	**Retention Time**
DDT	3229321	20.813
DDD	27030	20.354
DDE	8790	19.824
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
35820	3265141	1.10

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



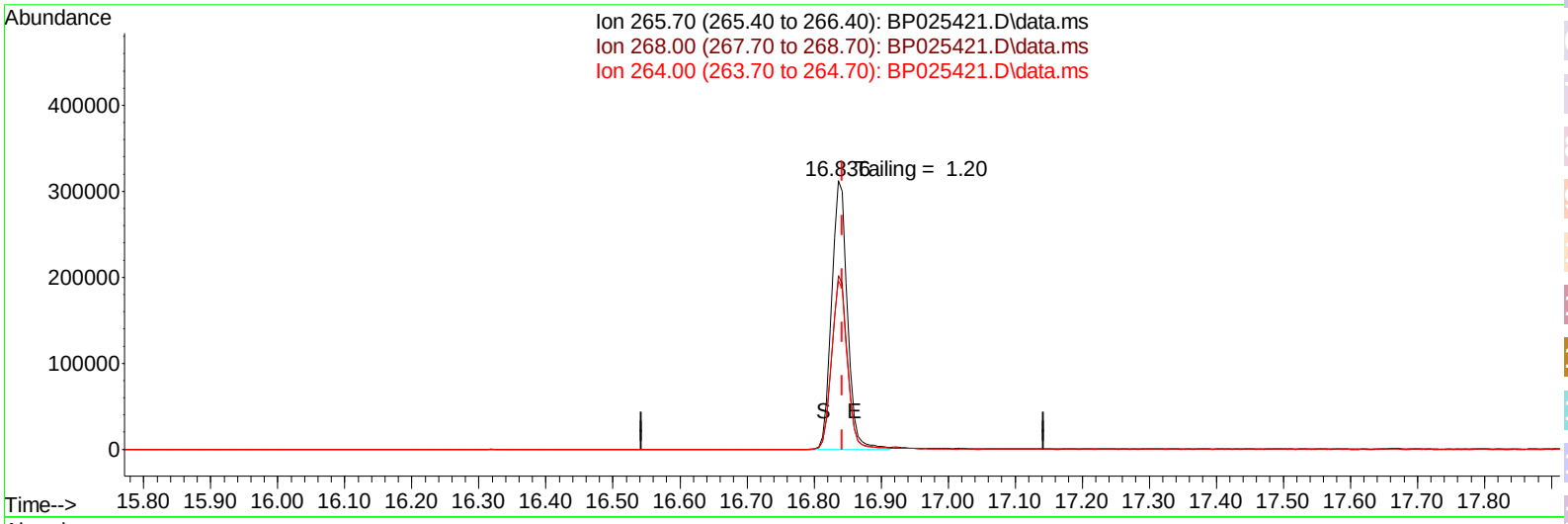
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2494

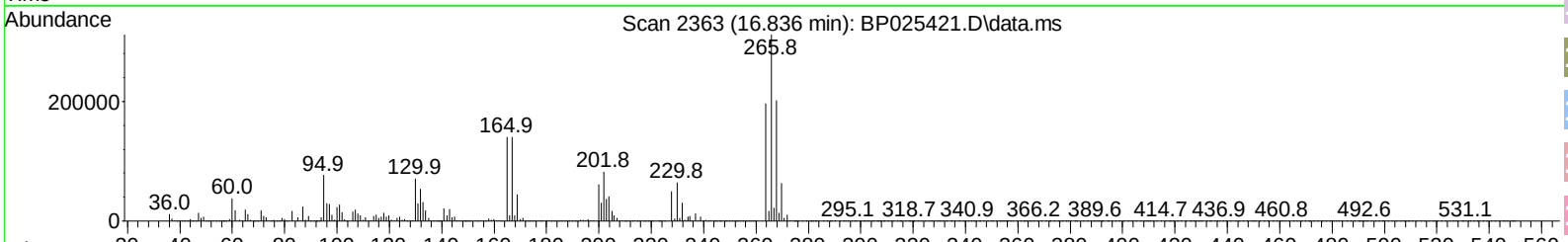
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	2159	PASS
69	69	100	100	100.0	120418	PASS
70	69	0.00	2	0.5	621	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	379747	PASS
199	198	5	9	6.6	25040	PASS
365	198	1	100	4.3	16274	PASS
441	443	0.01	150	78.6	65352	PASS
442	442	100	100	100.0	427047	PASS
443	442	15	24	19.5	83115	PASS

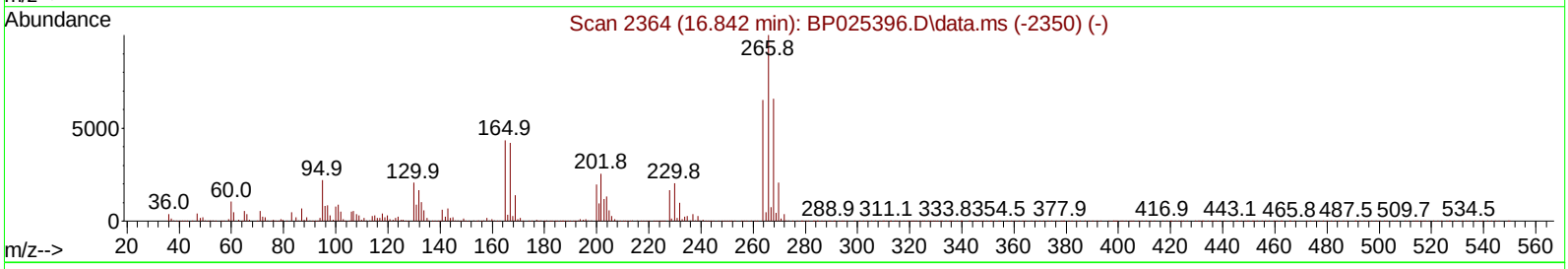
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025421.D\data.ms

(70) Pentachlorophenol (C)

16.836min (-0.006) 99008.85 ng

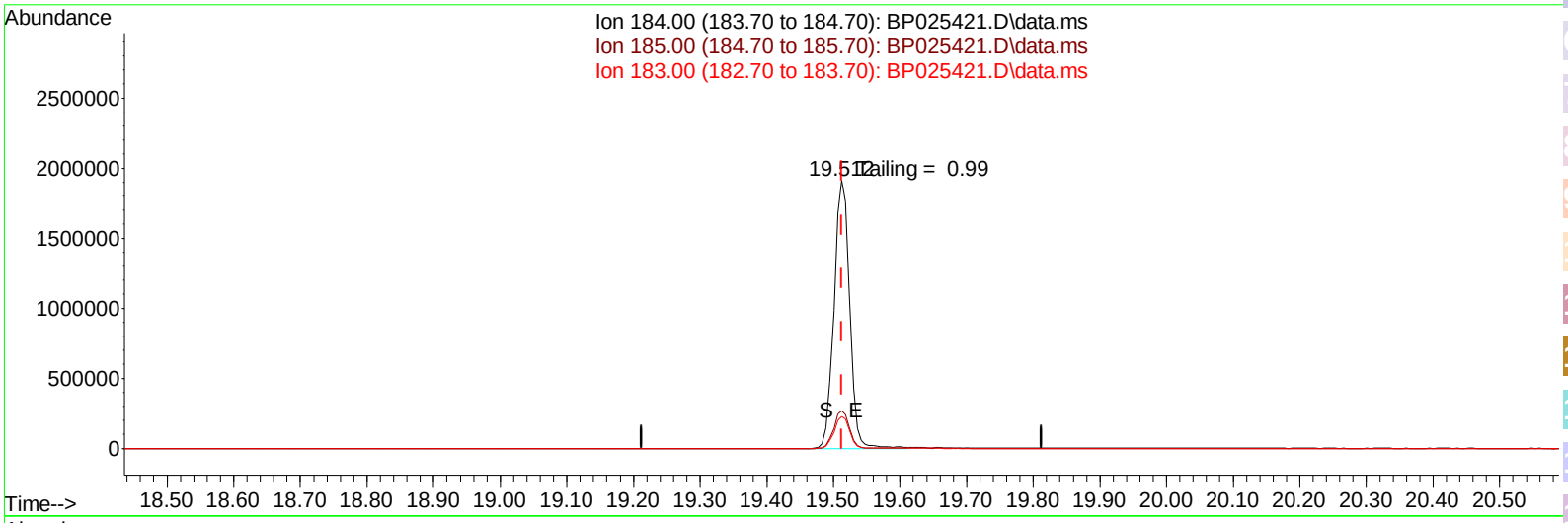
response 510758

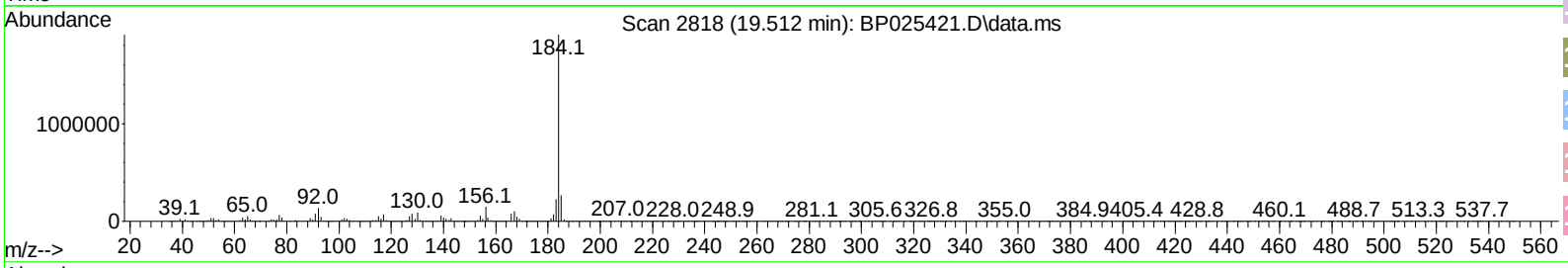
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.63
264.00	65.00	62.91
0.00	0.00	0.00

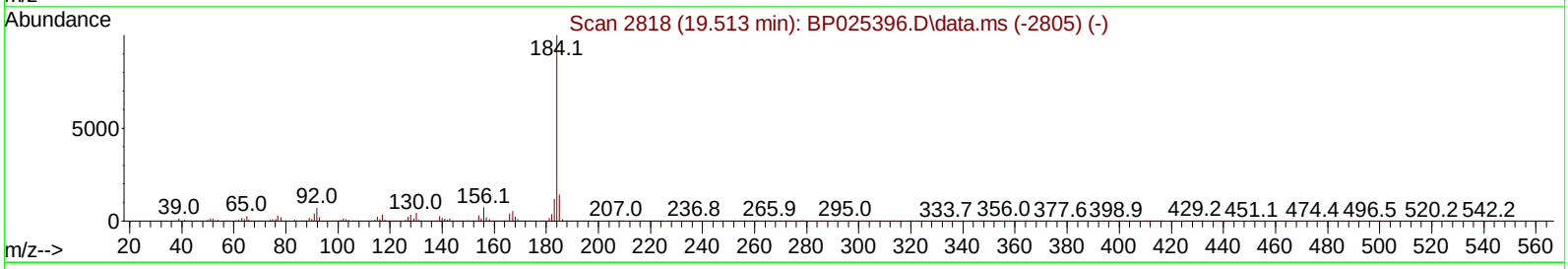
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025421.D
Acq On : 15 Aug 2025 09:55
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 15 11:28:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025421.D\data.ms

(77) Benzidine

19.512min (-0.000) 55650.72 ng

response 3124253

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.04
183.00	11.80	11.97
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

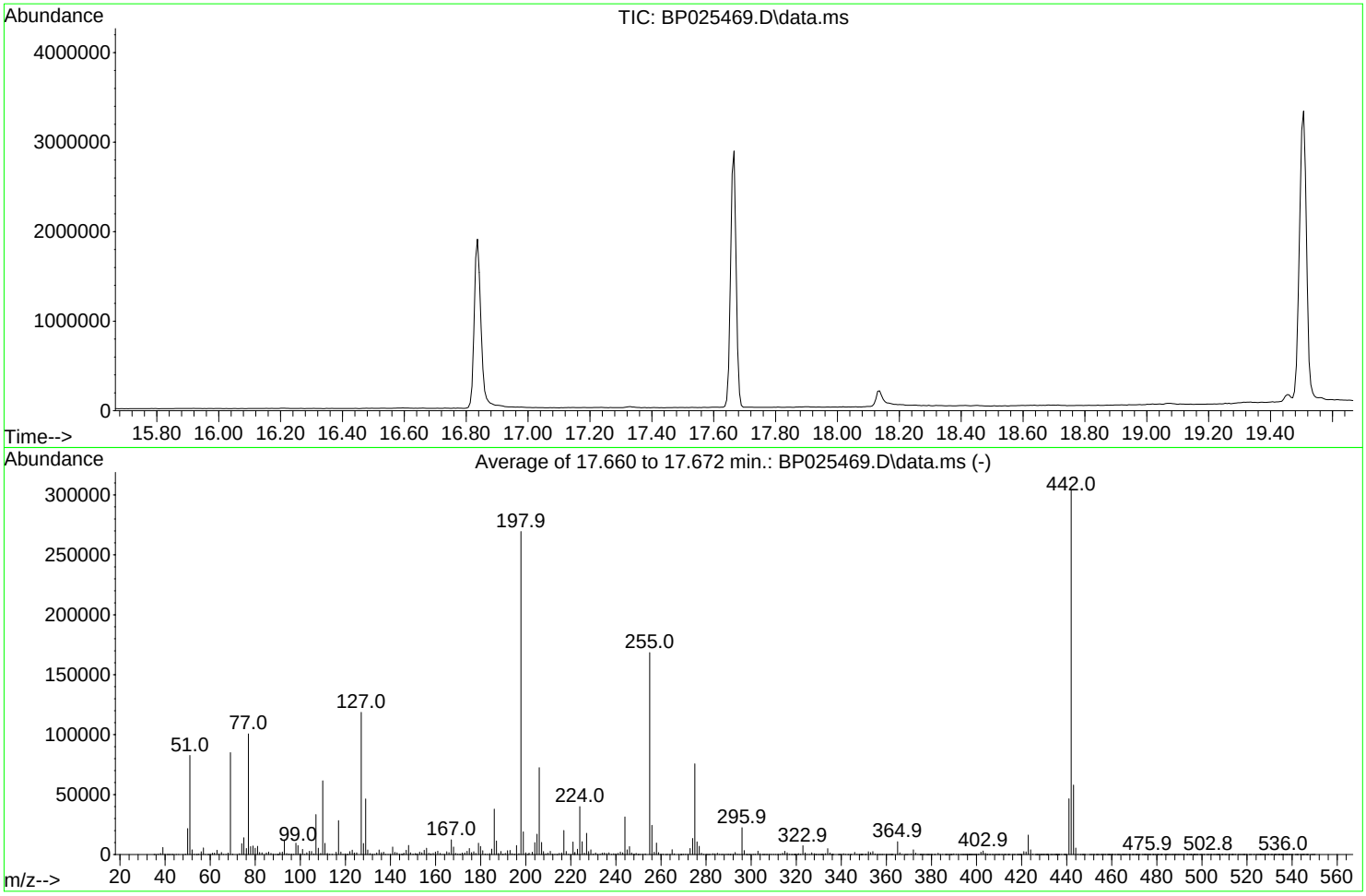
Date	Instrument Name	DFTPP Data File
8/15/2025	BNA_P	BP025421.D
Compound Name	**Response**	**Retention Time**
DDT	1519310	20.812
DDD	29585	20.348
DDE	4915	19.818
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
34500	1553810	2.22

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



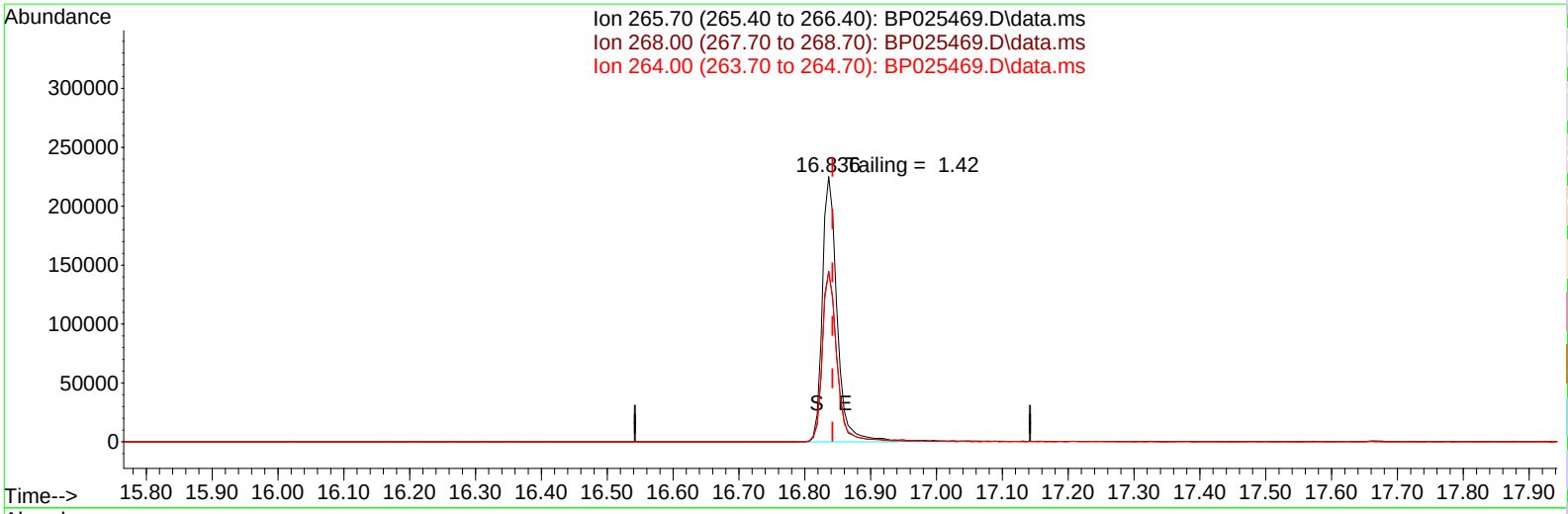
AutoFind: Scans 2503, 2504, 2505; Background Corrected with Scan 2495

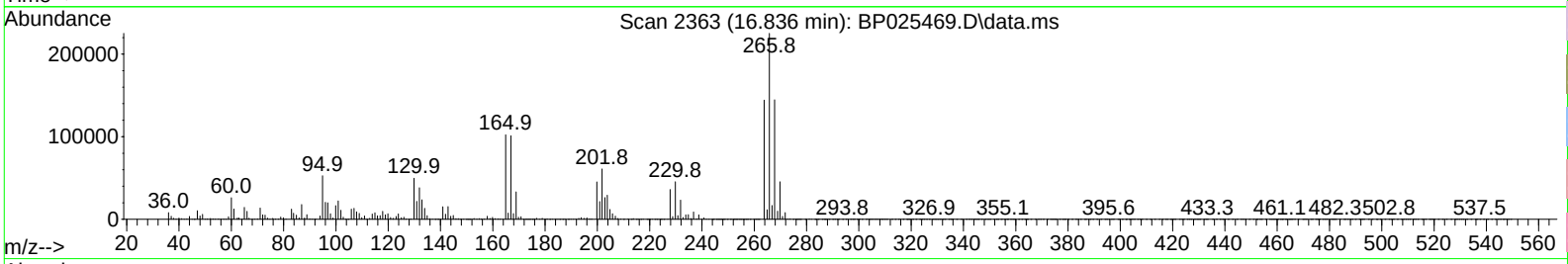
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	1264	PASS
69	69	100	100	100.0	85071	PASS
70	69	0.00	2	0.4	346	PASS
197	198	0.00	2	0.3	784	PASS
198	198	100	100	100.0	269485	PASS
199	198	5	9	7.0	18925	PASS
365	198	1	100	4.0	10734	PASS
441	443	0.01	150	80.2	46560	PASS
442	442	100	100	100.0	303675	PASS
443	442	15	24	19.1	58026	PASS

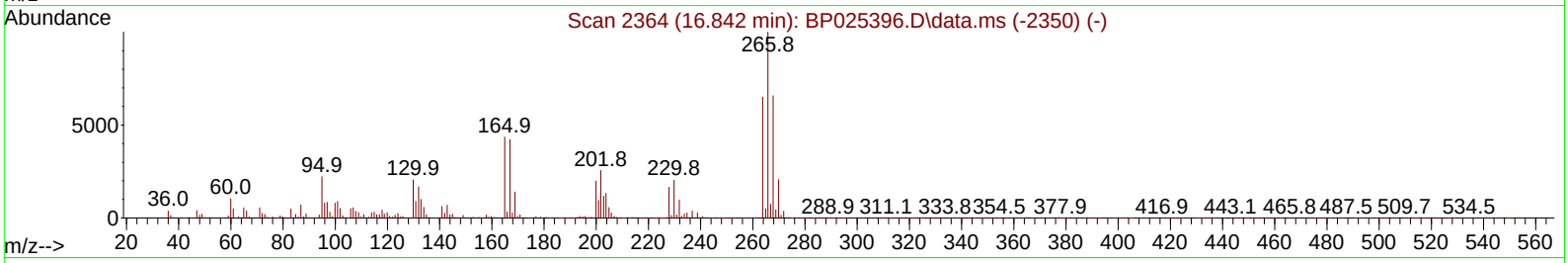
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:14:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025469.D\data.ms

(70) Pentachlorophenol (C)

16.836min (-0.006) 311283.12 ng

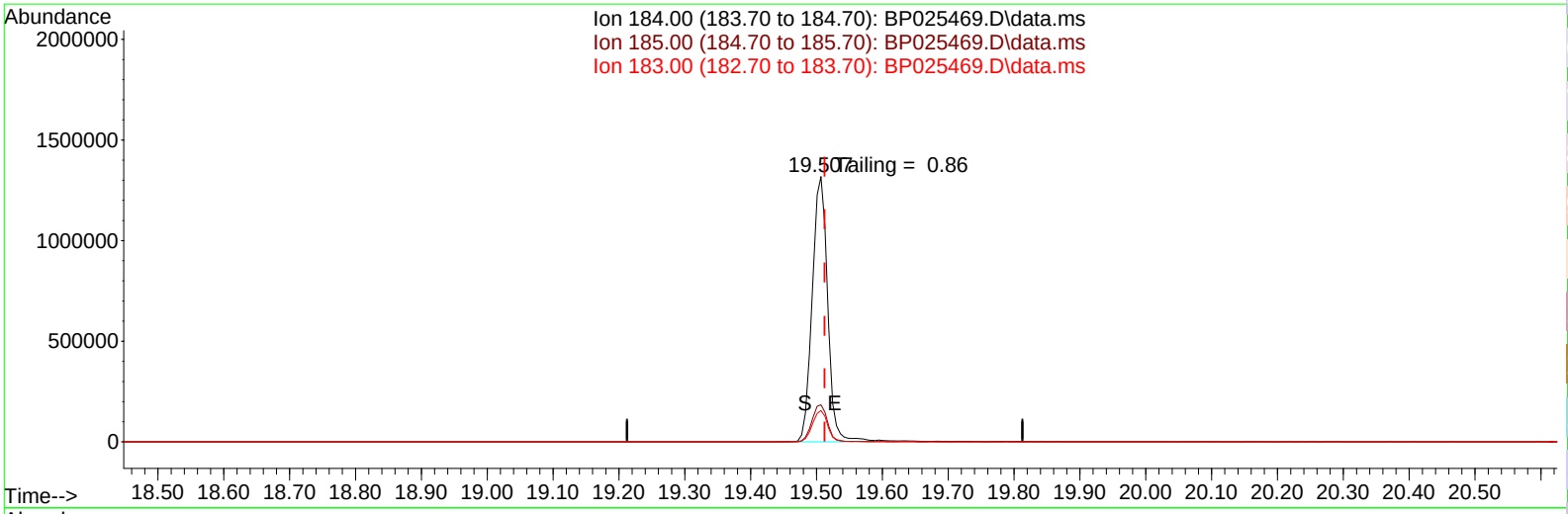
response 350725

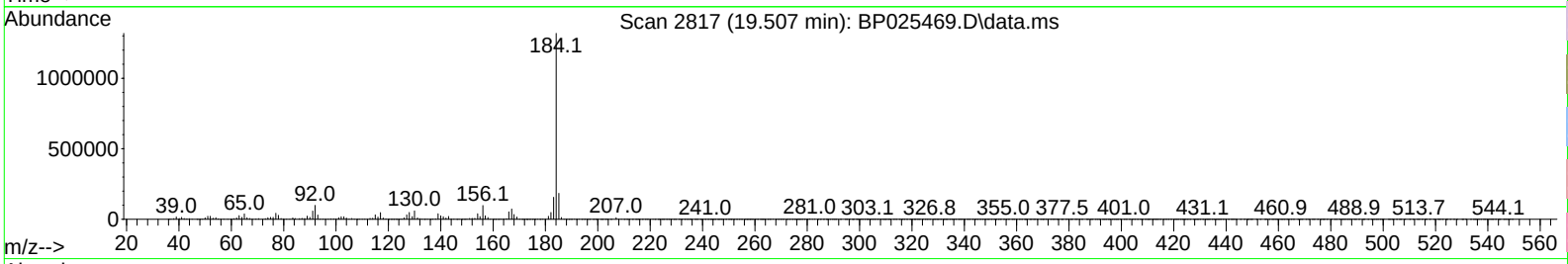
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.27
264.00	65.00	64.07
0.00	0.00	0.00

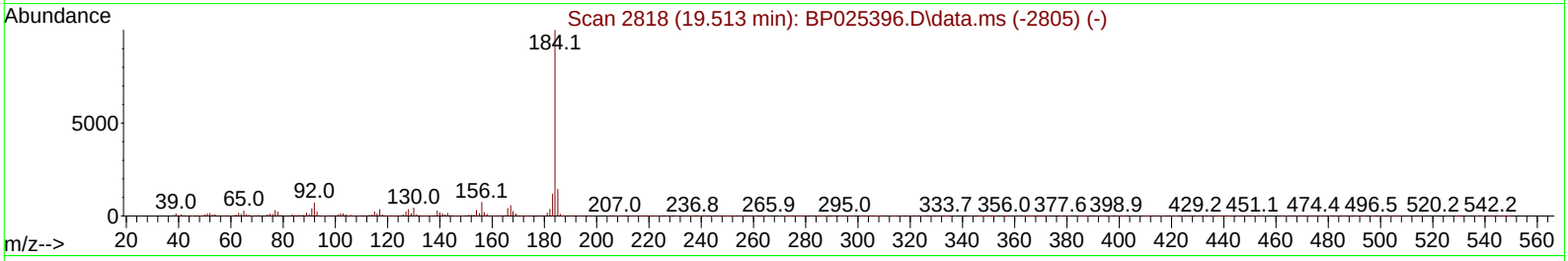
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025469.D
Acq On : 19 Aug 2025 10:03
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 19 12:14:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025469.D\data.ms

(77) Benzidine

19.507min (-0.006) 183825.79 ng

response 2158114

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.80	11.82
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

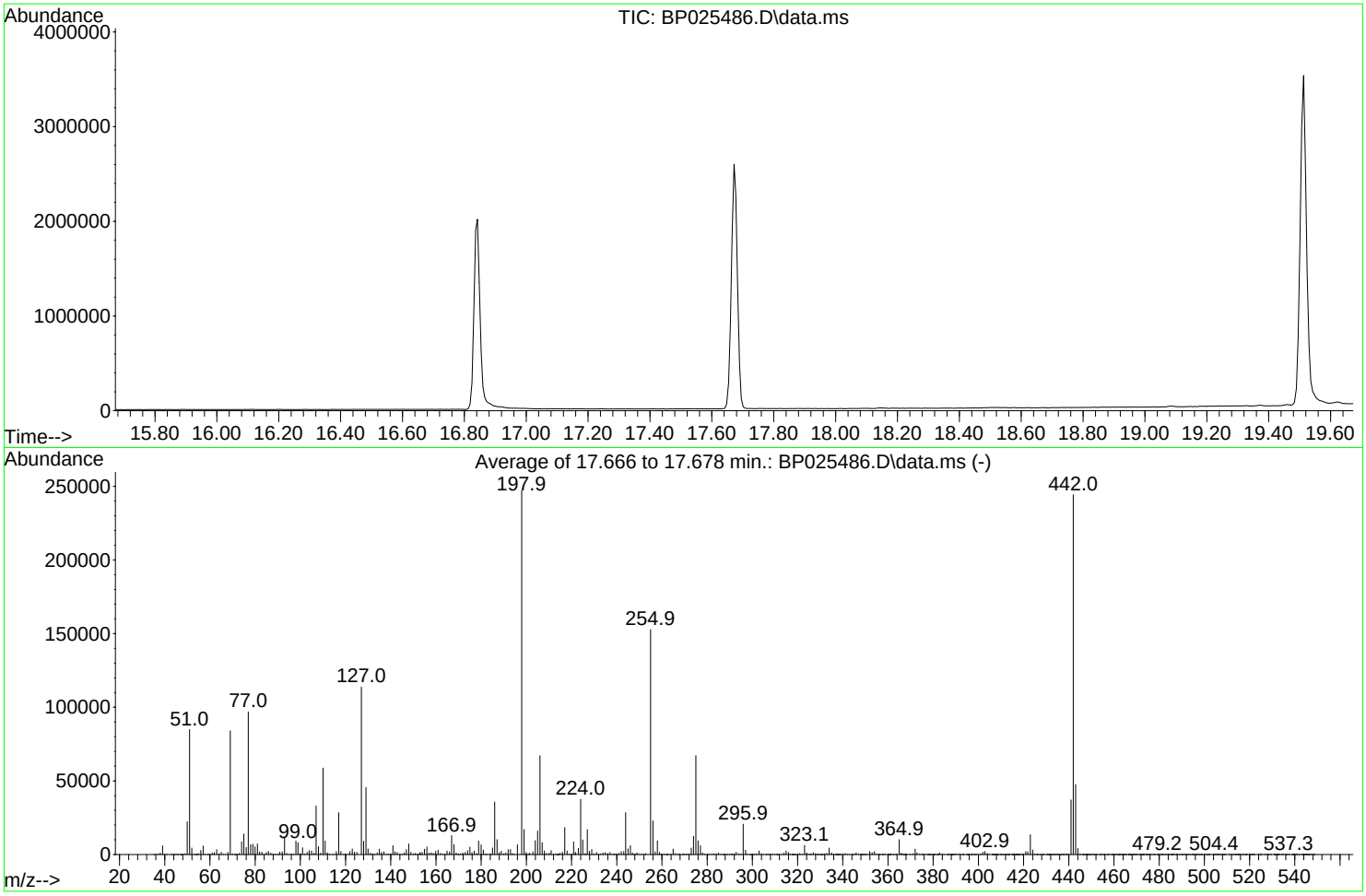
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_P	BP025469.D
Compound Name	**Response**	**Retention Time**
DDT	1098473	20.807
DDD	16608	20.348
DDE	3876	19.819
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
20484	1118957	1.83

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



AutoFind: Scans 2504, 2505, 2506; Background Corrected with Scan 2490

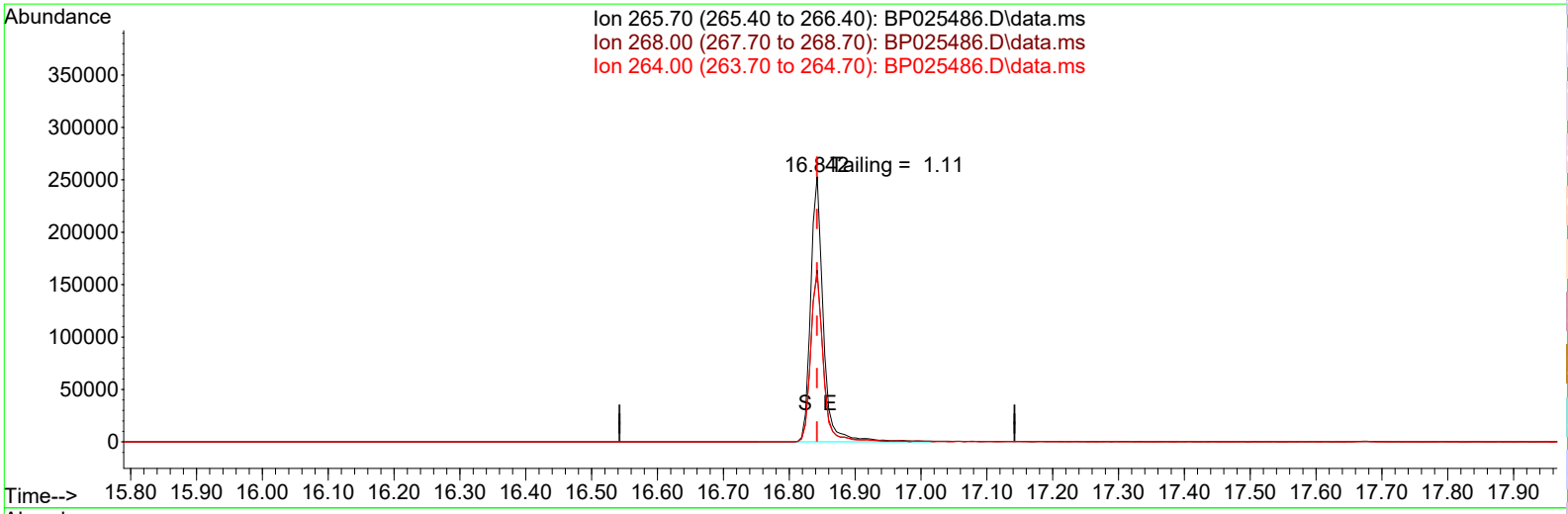
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1538	PASS
69	69	100	100	100.0	83998	PASS
70	69	0.00	2	0.5	443	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	247117	PASS
199	198	5	9	6.9	17035	PASS
365	198	1	100	4.1	10085	PASS
441	443	0.01	150	78.2	37107	PASS
442	442	100	100	100.0	244224	PASS
443	442	15	24	19.4	47432	PASS

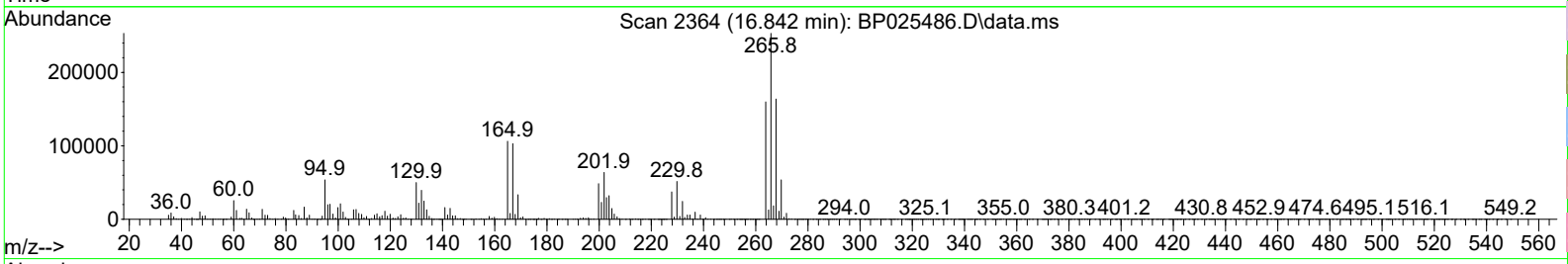
Sample Results: **BP025486.D**

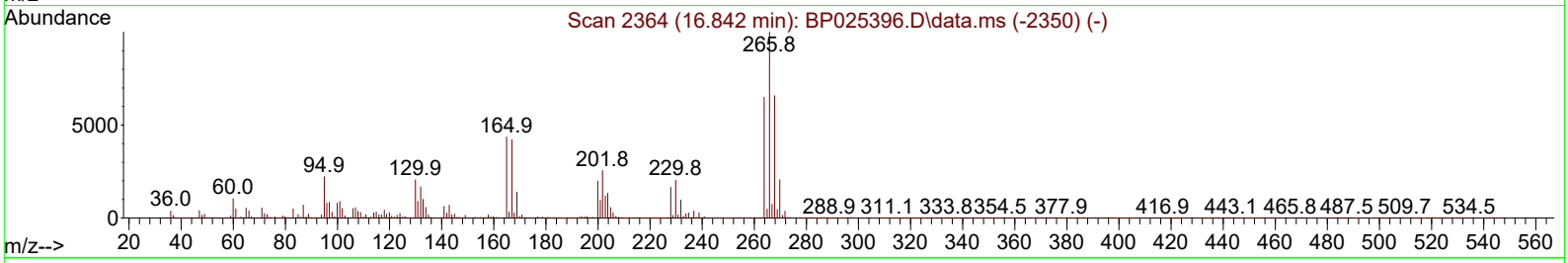
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 02:50:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025486.D\data.ms

(70) Pentachlorophenol (C)

16.842min (+ 0.000) 158046.45 ng

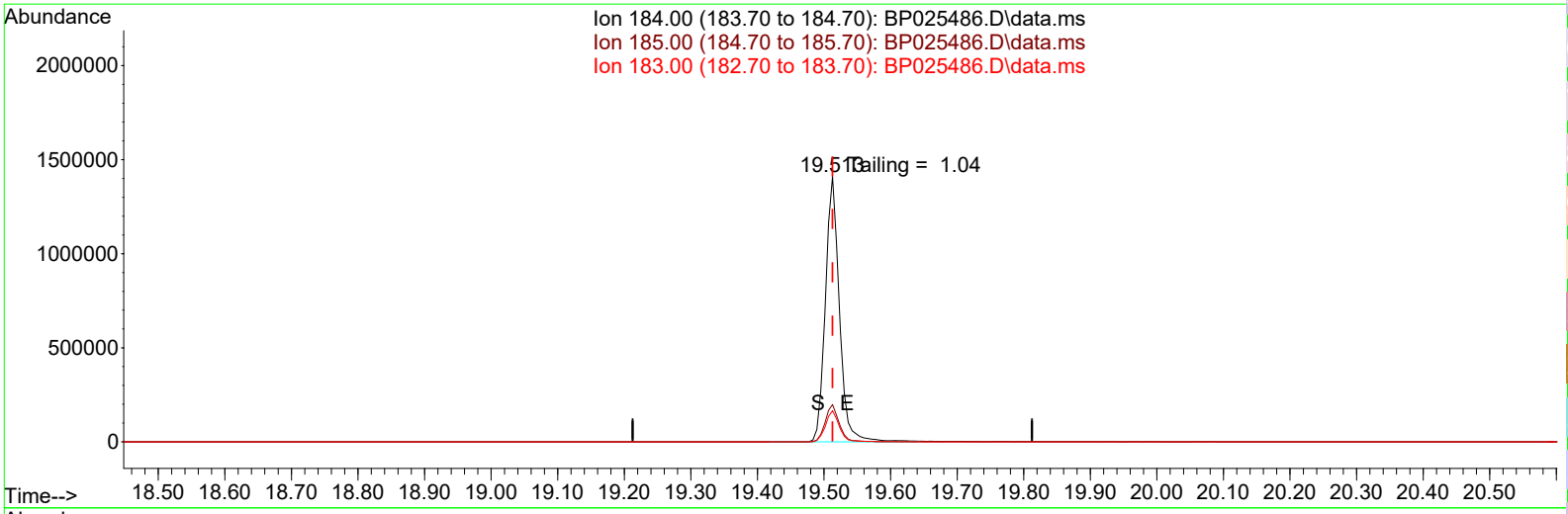
response 338337

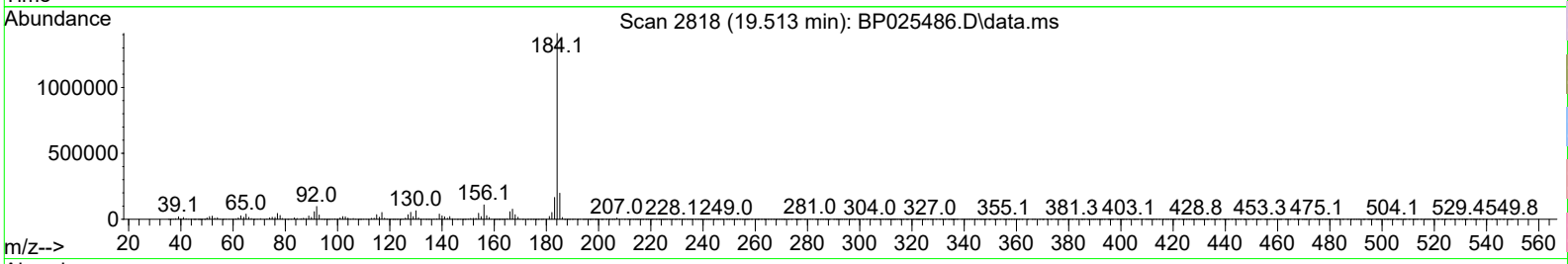
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.68
264.00	65.00	63.19
0.00	0.00	0.00

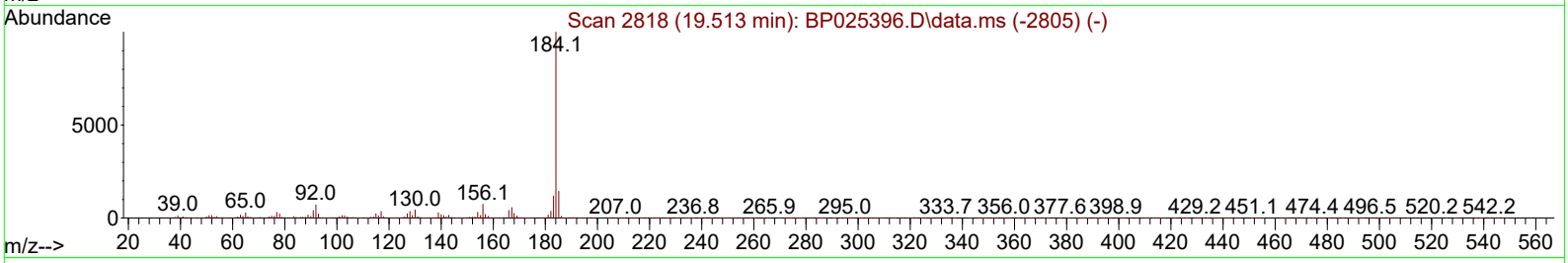
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025486.D
Acq On : 19 Aug 2025 23:05
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 02:50:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025486.D\data.ms

(77) Benzidine

19.513min (+ 0.000) 55037.12 ng

response 2058618

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.07
183.00	11.80	11.73
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

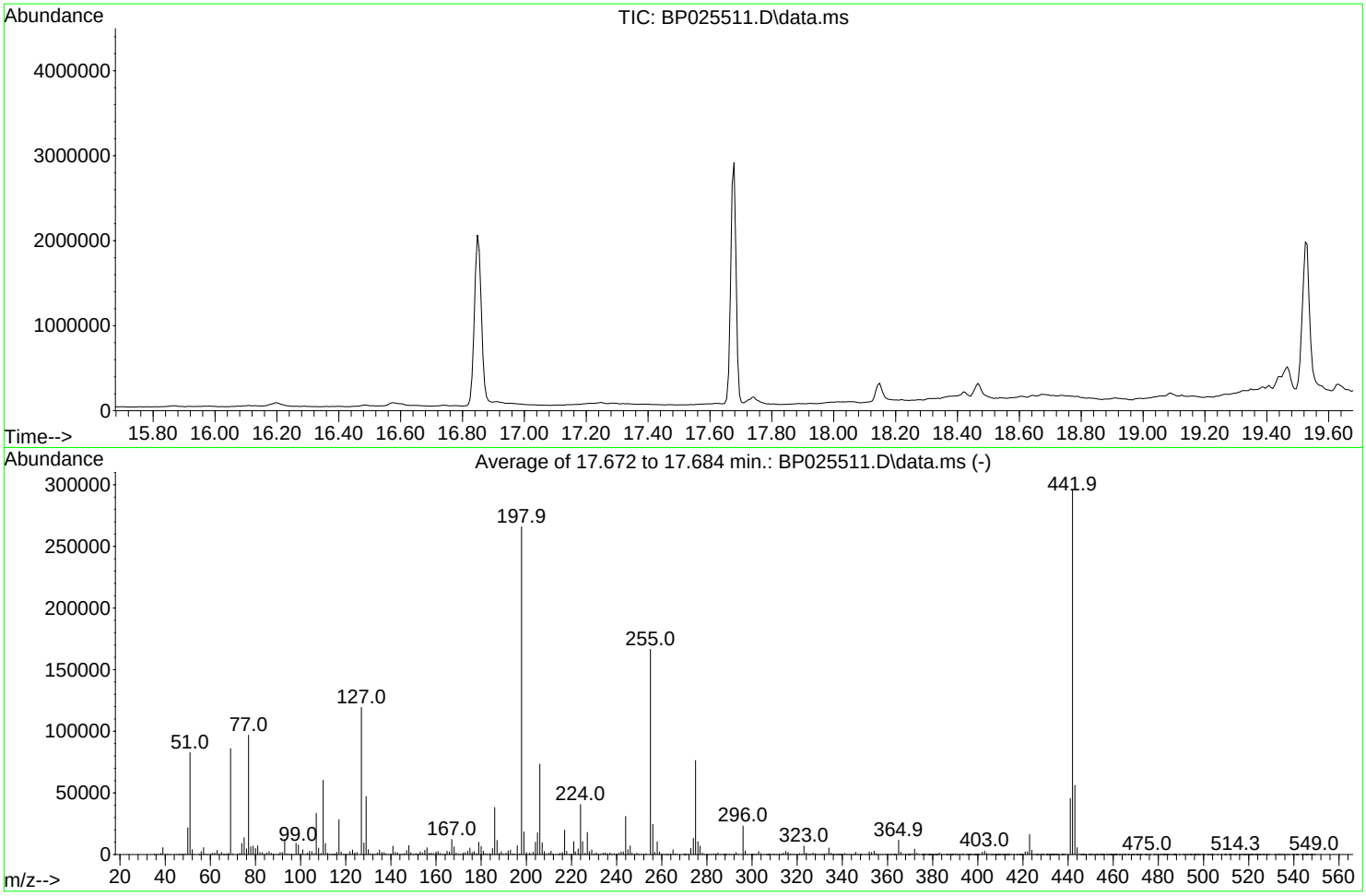
Date	Instrument Name	DFTPP Data File
8/19/2025	BNA_P	BP025486.D
Compound Name	**Response**	**Retention Time**
DDT	1027414	20.807
DDD	15935	20.342
DDE	3495	19.83
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19430	1046844	1.86

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



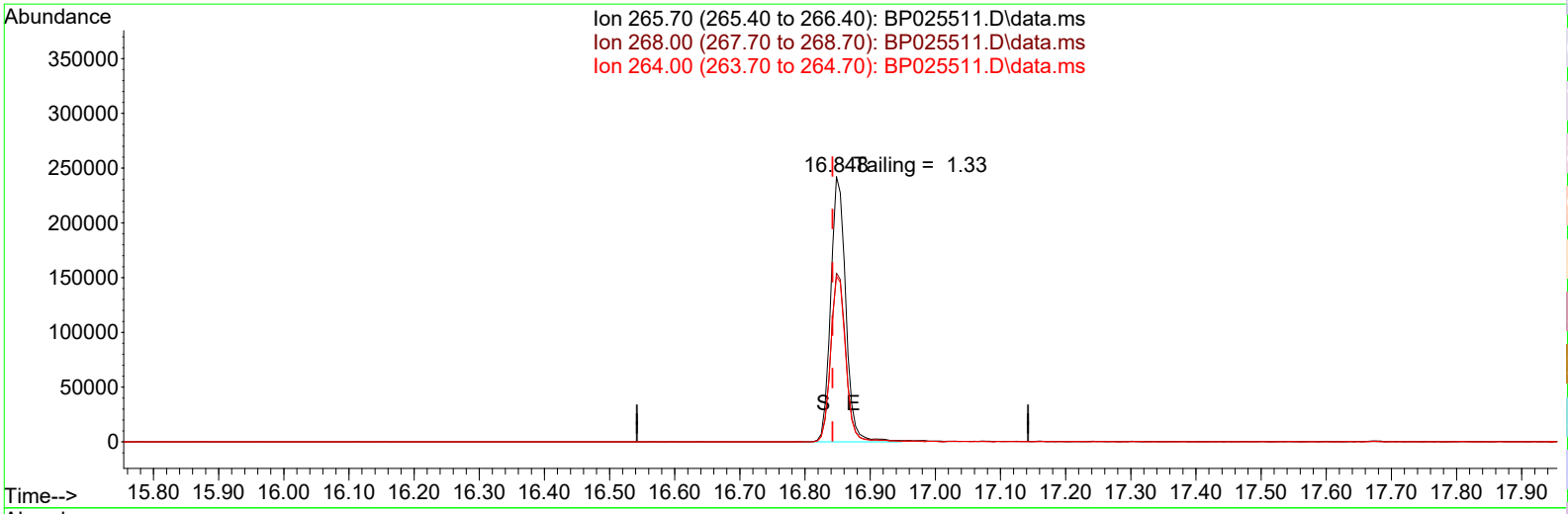
AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2494

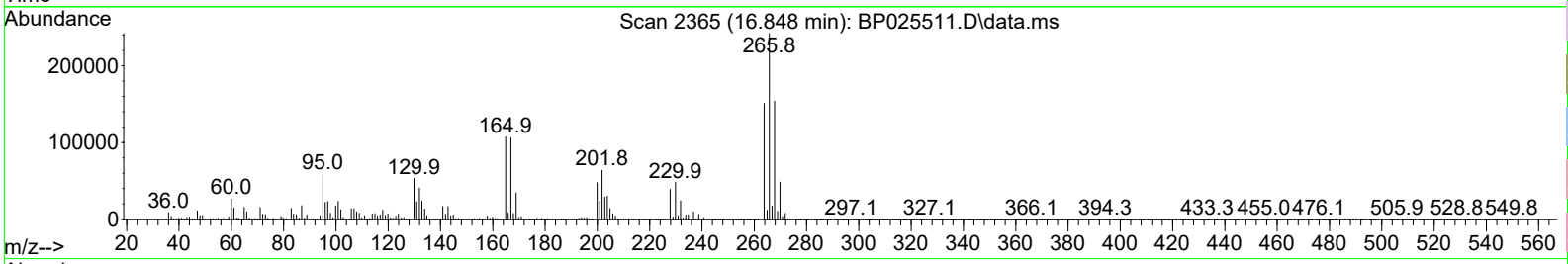
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.1	967	PASS
69	69	100	100	100.0	85970	PASS
70	69	0.00	2	0.7	593	PASS
197	198	0.00	2	0.2	540	PASS
198	198	100	100	100.0	265973	PASS
199	198	5	9	6.9	18267	PASS
365	198	1	100	4.4	11643	PASS
441	443	0.01	150	80.9	45462	PASS
442	442	100	100	100.0	295314	PASS
443	442	15	24	19.0	56176	PASS

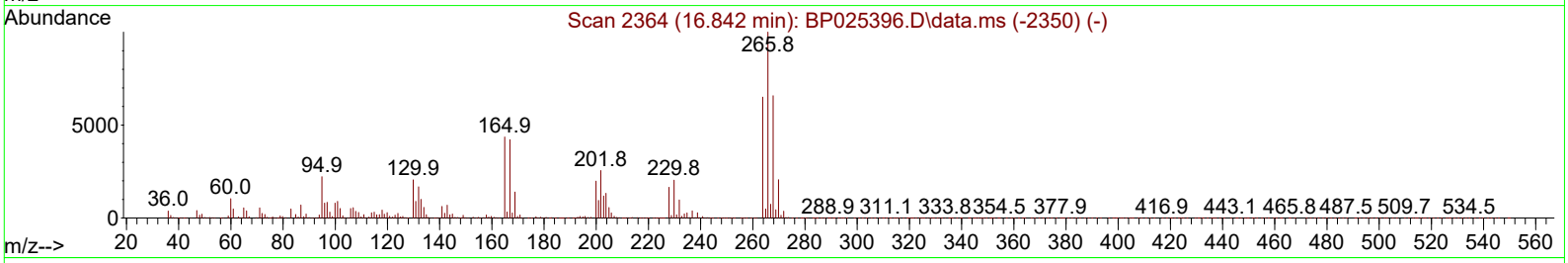
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025511.D\data.ms

(70) Pentachlorophenol (C)

16.848min (+ 0.006) 19981.54 ng

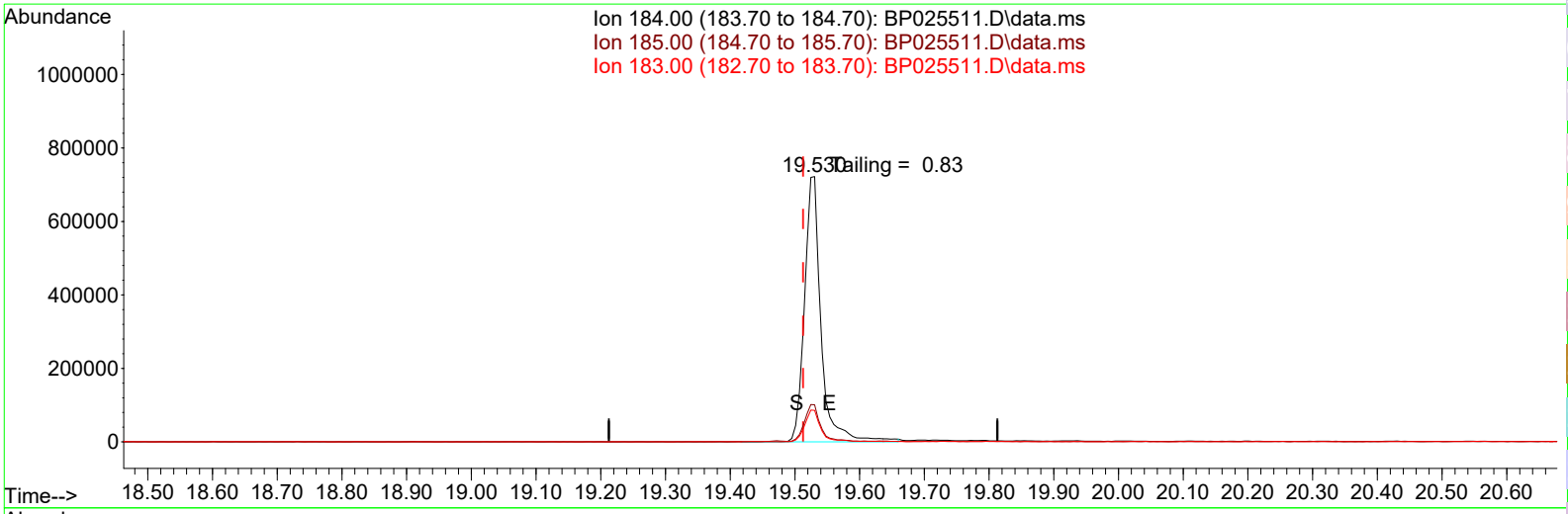
response 390285

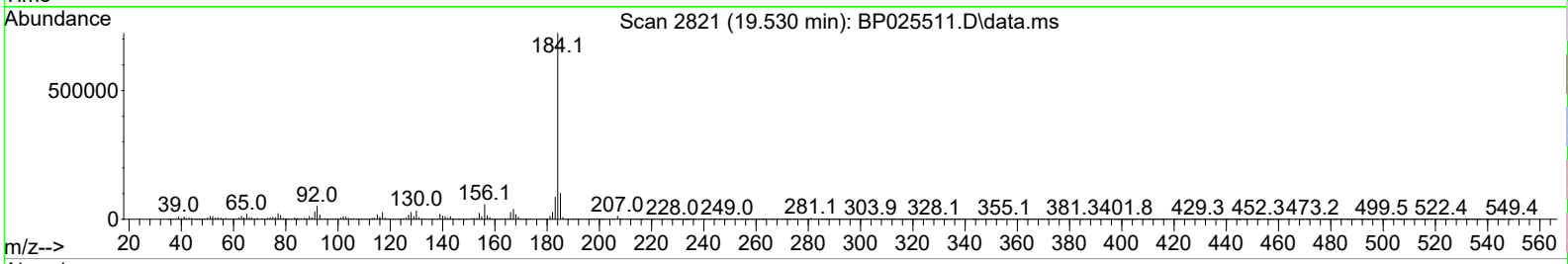
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	63.60
264.00	65.00	62.36
0.00	0.00	0.00

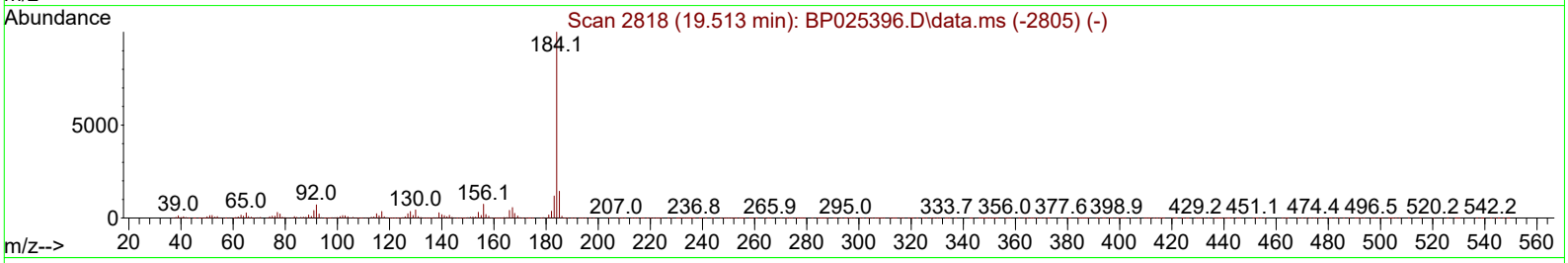
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025511.D
Acq On : 20 Aug 2025 17:04
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:41:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025511.D\data.ms

(77) Benzidine

19.530min (+ 0.018) 12499.23 ng

response 1286969

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.80	11.89
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

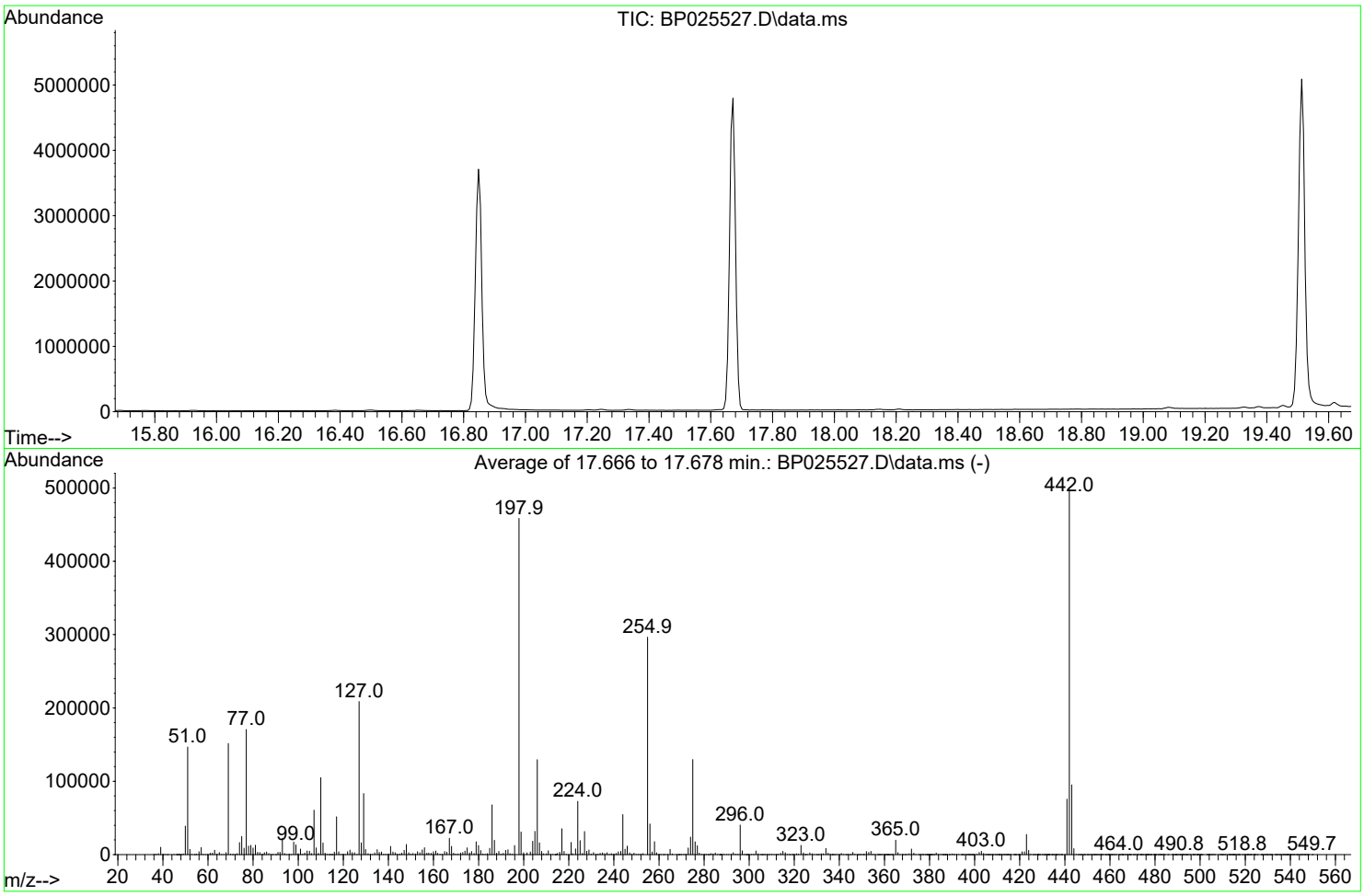
Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_P	BP025511.D
Compound Name	**Response**	**Retention Time**
DDT	1084945	20.825
DDD	23682	20.366
DDE	2473	19.836
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
26155	1111100	2.35

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025527.D
Acq On : 21 Aug 2025 06:01
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025



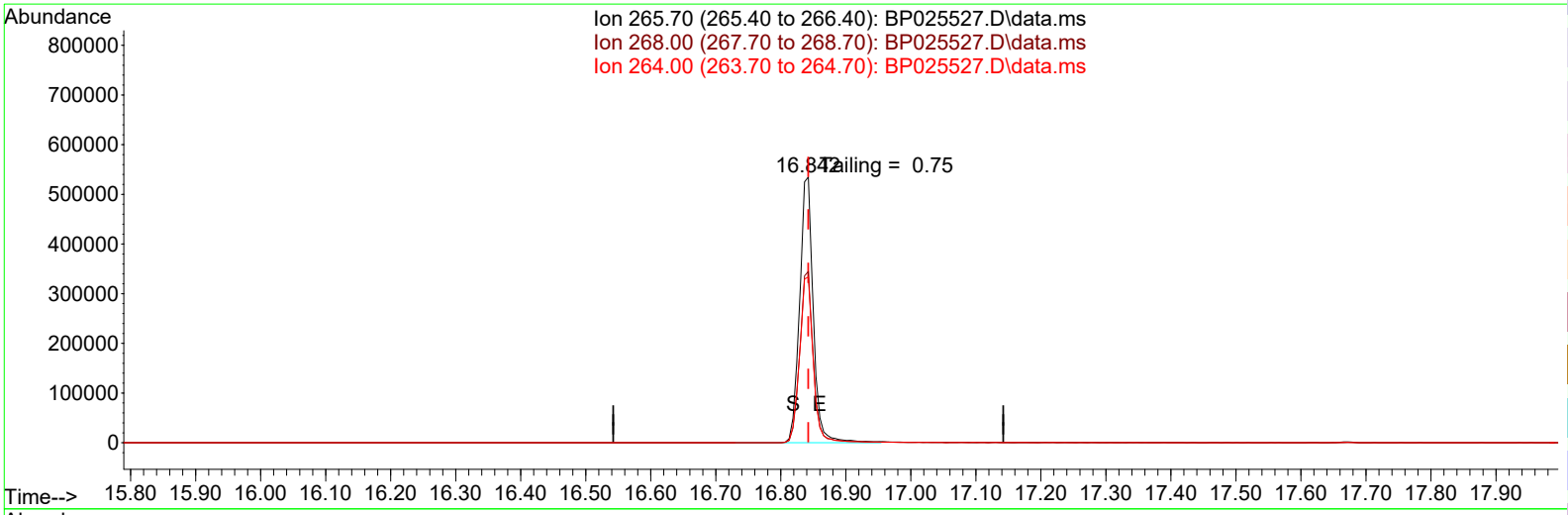
AutoFind: Scans 2504, 2505, 2506; Background Corrected with Scan 2495

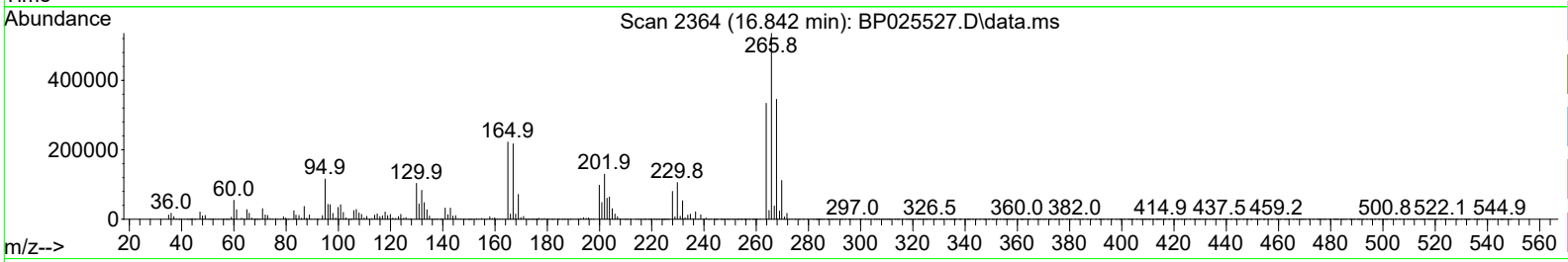
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	2866	PASS
69	69	100	100	100.0	151600	PASS
70	69	0.00	2	0.5	829	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	458631	PASS
199	198	5	9	6.7	30834	PASS
365	198	1	100	4.3	19700	PASS
441	443	0.01	150	79.6	75722	PASS
442	442	100	100	100.0	495296	PASS
443	442	15	24	19.2	95153	PASS

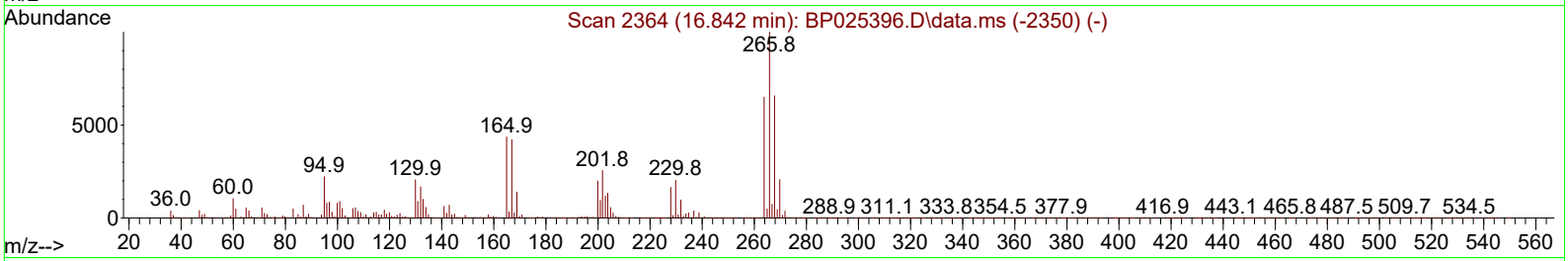
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025527.D
Acq On : 21 Aug 2025 05:20
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 06:28:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025527.D\data.ms

(70) Pentachlorophenol (C)

16.842min (+ 0.000) 14024.53 ng

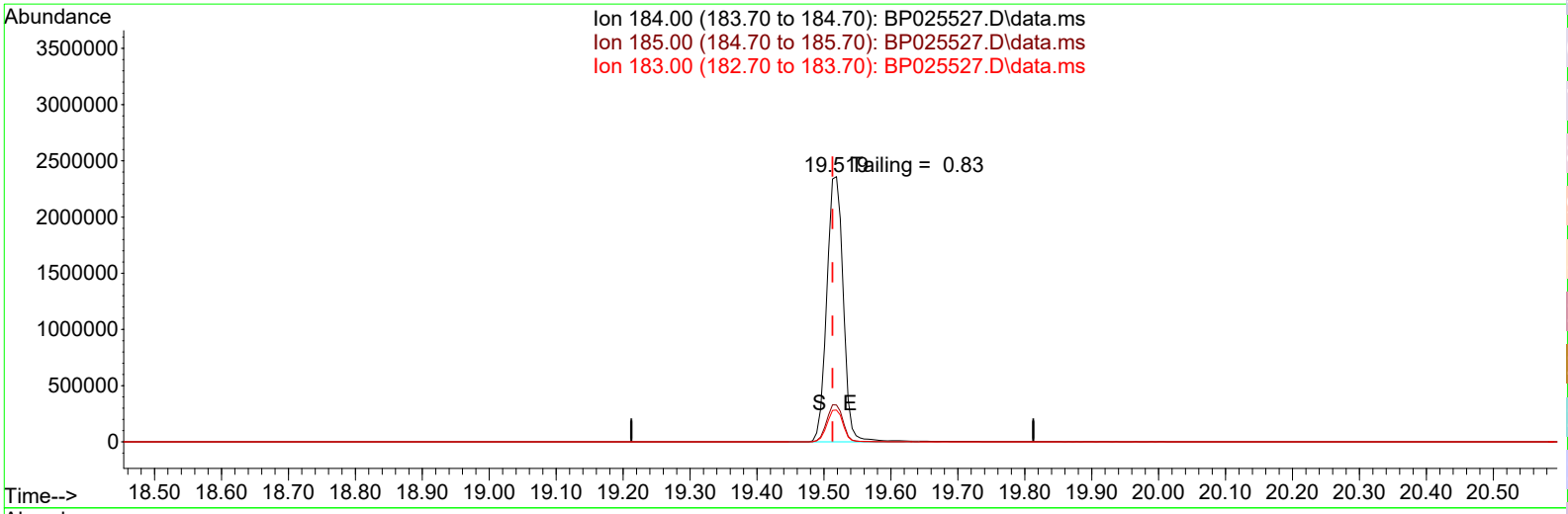
response 784998

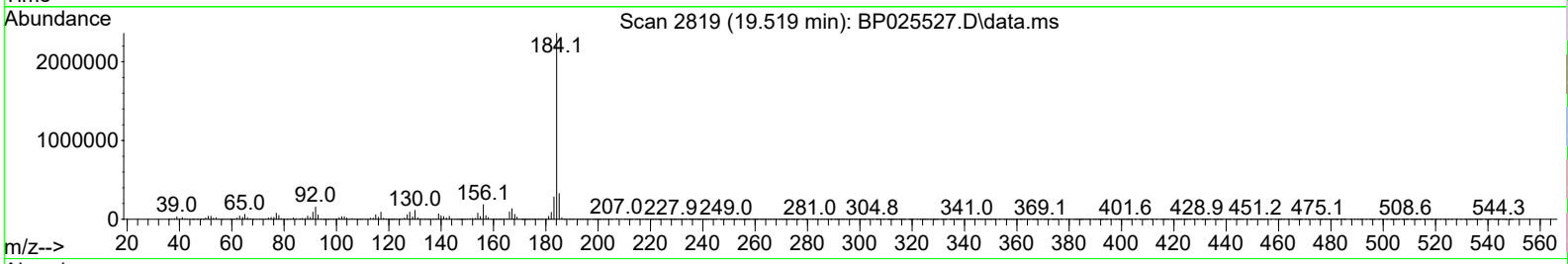
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	64.48
264.00	65.00	62.40
0.00	0.00	0.00

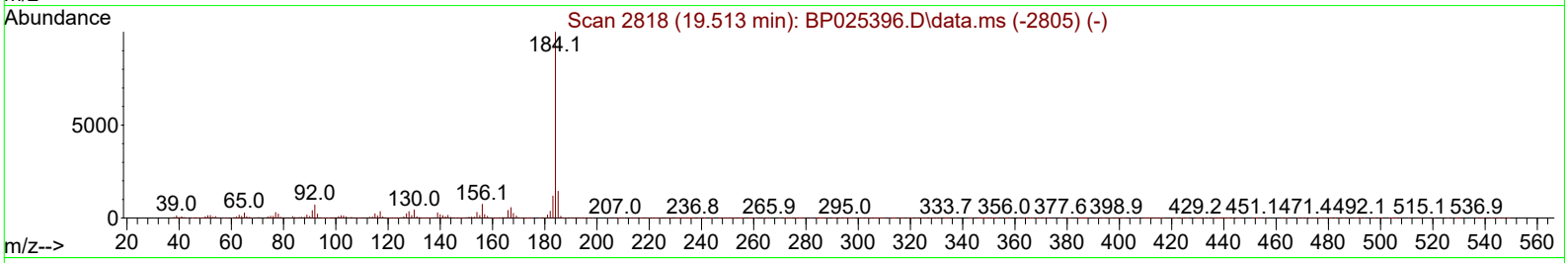
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025527.D
Acq On : 21 Aug 2025 05:20
Operator : CG/JU
Sample : DFTPP
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 21 06:28:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration







TIC: BP025527.D\data.ms

(77) Benzidine

19.519min (+ 0.006) 13689.91 ng

response 4033404

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.90
183.00	11.80	11.97
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2025	BNA_P	BP025527.D
Compound Name	**Response**	**Retention Time**
DDT	2180101	20.813
DDD	63141	20.348
DDE	5921	19.825
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
69062	2249163	3.07

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169210BL	SDG No.:	Q2820
Lab Sample ID:	PB169210BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169210BL	SDG No.:	Q2820
Lab Sample ID:	PB169210BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169210BL			SDG No.:	Q2820
Lab Sample ID:	PB169210BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124		35 - 115		82%	SPK: 150
13127-88-3	Phenol-d6	109		34 - 127		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.3		37 - 122		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		44 - 115		82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		39 - 132		104%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		54 - 127		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	189000	7.802				
1146-65-2	Naphthalene-d8	718000	10.572				
15067-26-2	Acenaphthene-d10	426000	14.413				
1517-22-2	Phenanthrene-d10	848000	17.213				
1719-03-5	Chrysene-d12	1040000	21.672				
1520-96-3	Perylene-d12	1200000	25.071				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			4.95	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169210BL			SDG No.:	Q2820
Lab Sample ID:	PB169210BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025378.D	1	08/12/25 09:15	08/13/25 10:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Time: Aug 13 10:57:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

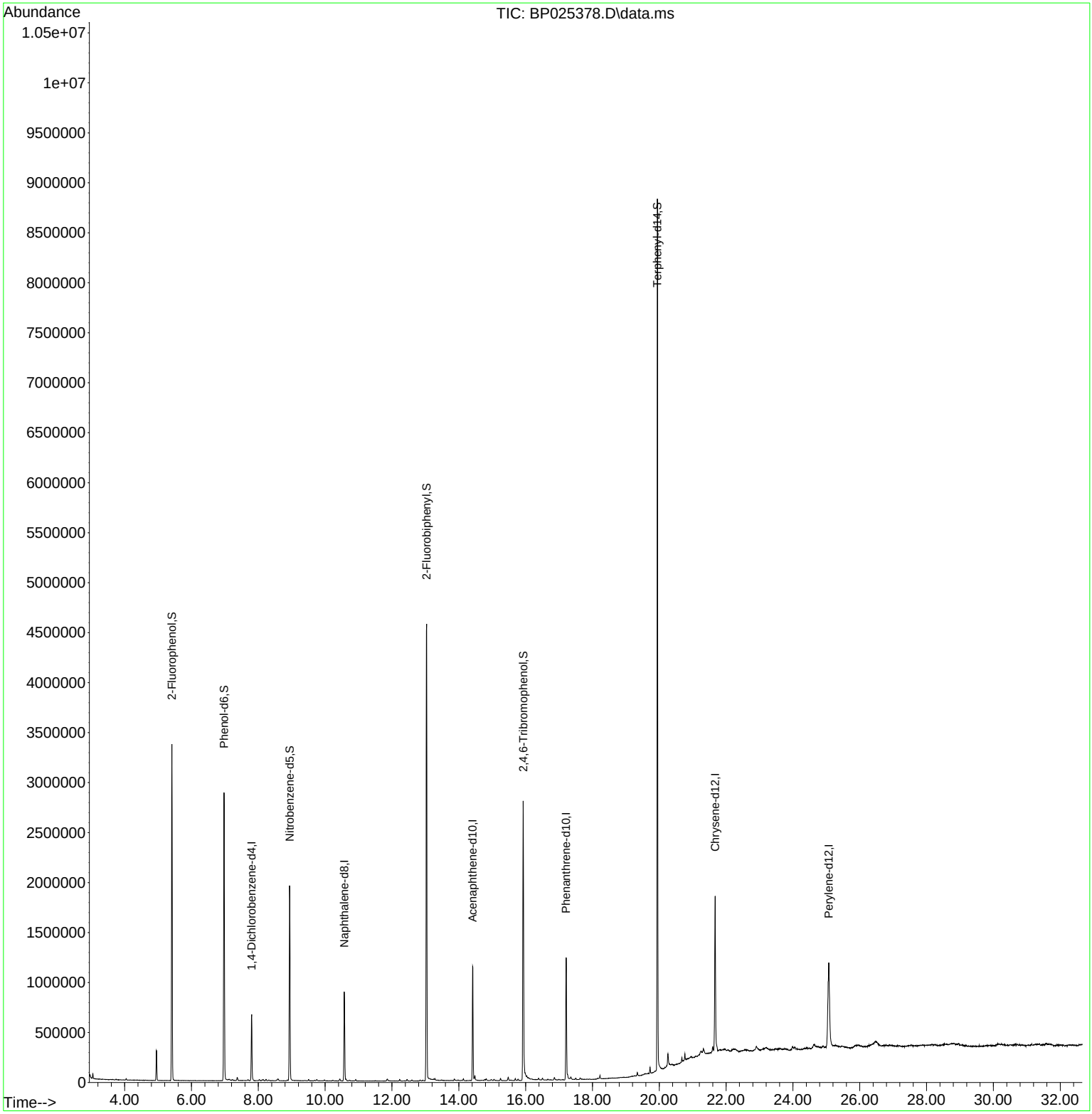
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	188983	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	717580	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	426281	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	848111	20.000	ng	-0.01
76) Chrysene-d12	21.672	240	1035402	20.000	ng	0.01
86) Perylene-d12	25.071	264	1197801	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1451749	123.553	ng	0.00
7) Phenol-d6	6.972	99	1684797	108.950	ng	0.00
23) Nitrobenzene-d5	8.937	82	1117291	86.261	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	665492	156.489	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	2537490	82.218	ng	0.00
79) Terphenyl-d14	19.942	244	4353513	79.417	ng	0.00
Target Compounds						Qvalue

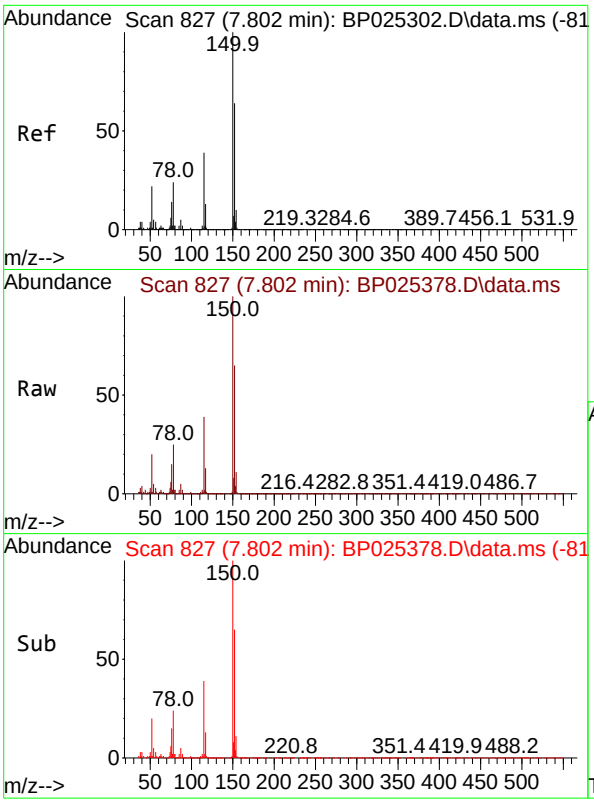
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Time: Aug 13 10:57:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



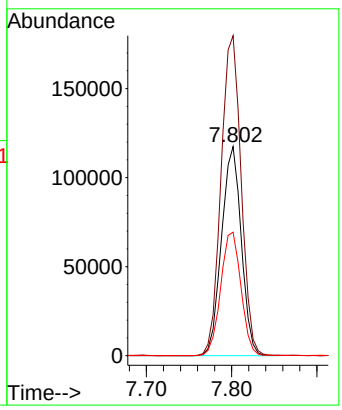


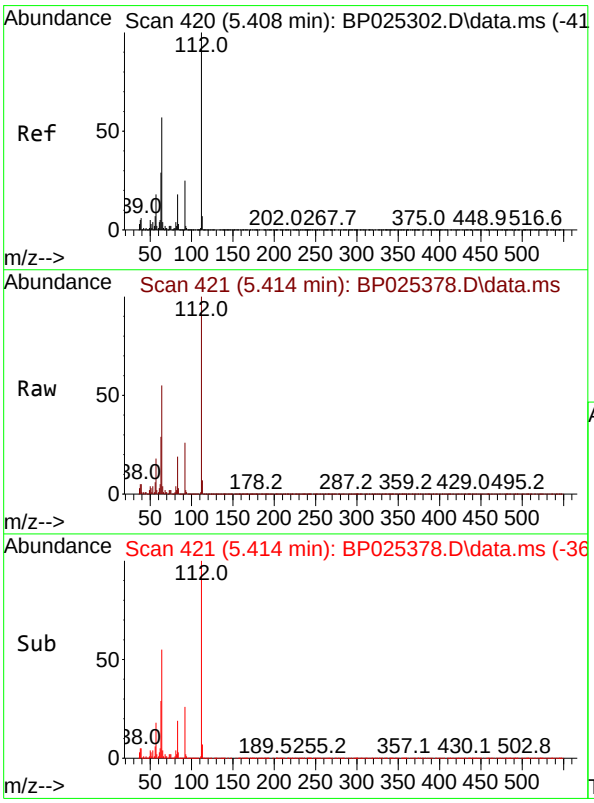
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:152 Resp: 188983

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.1	187.7
115	59.1	48.4	72.6

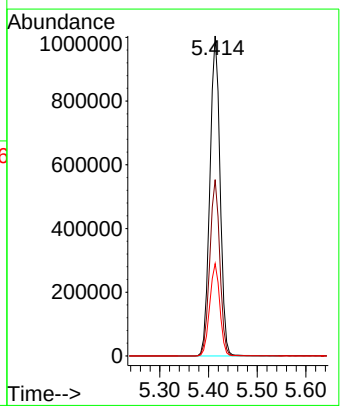


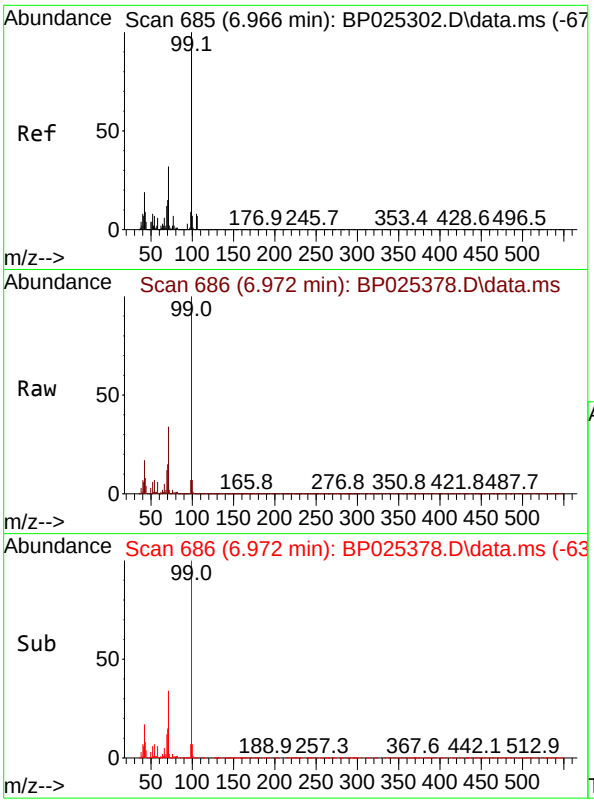


#5
2-Fluorophenol
Concen: 123.553 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:112 Resp: 1451749

Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.3	67.9
63	28.9	23.0	34.6



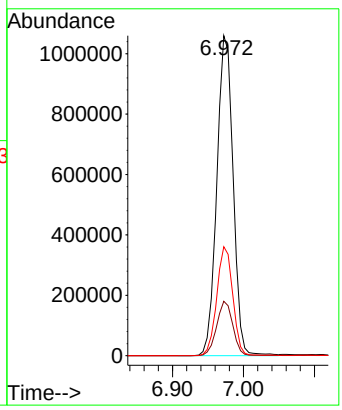


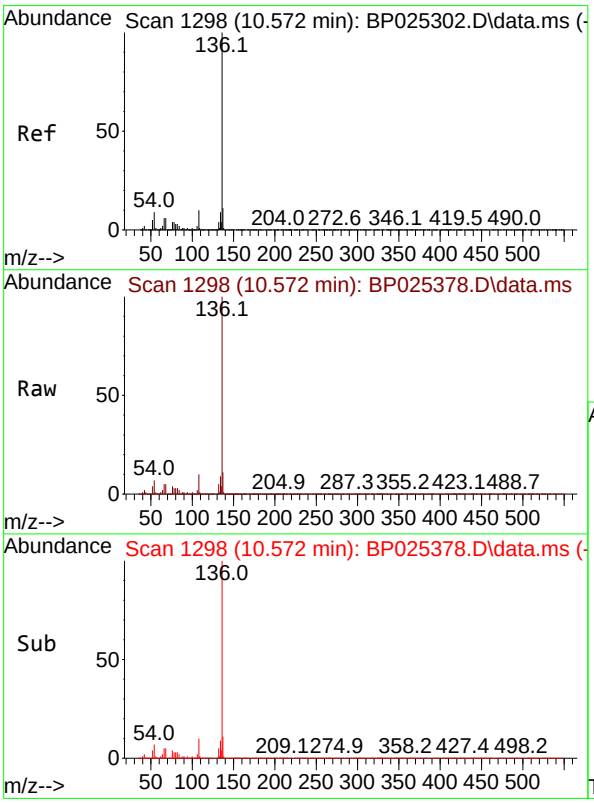
#7
Phenol-d6
Concen: 108.950 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion: 99 Resp: 1684797

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.6
71	34.0	25.5	38.3

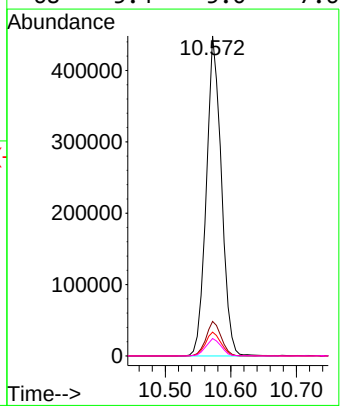


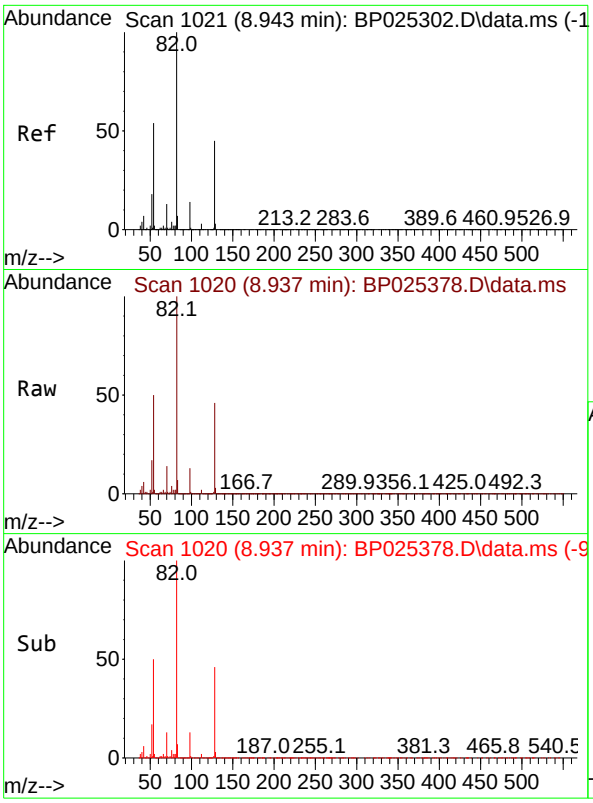


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:136 Resp: 717580

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	7.0	10.6
68	5.4	5.0	7.6



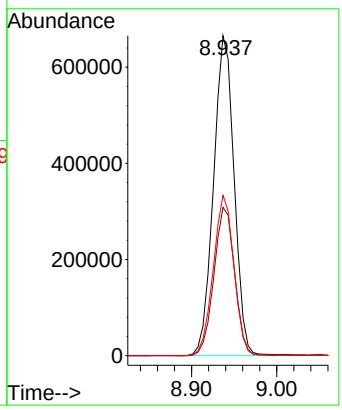


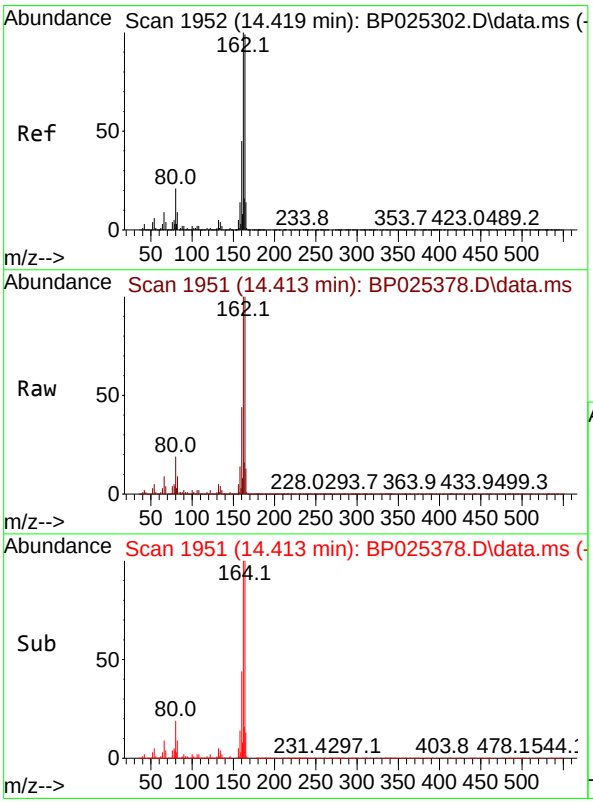
#23
Nitrobenzene-d5
Concen: 86.261 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion: 82 Resp: 1117291

Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.4	53.2
54	50.1	42.9	64.3

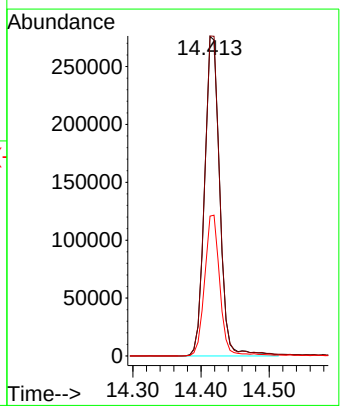


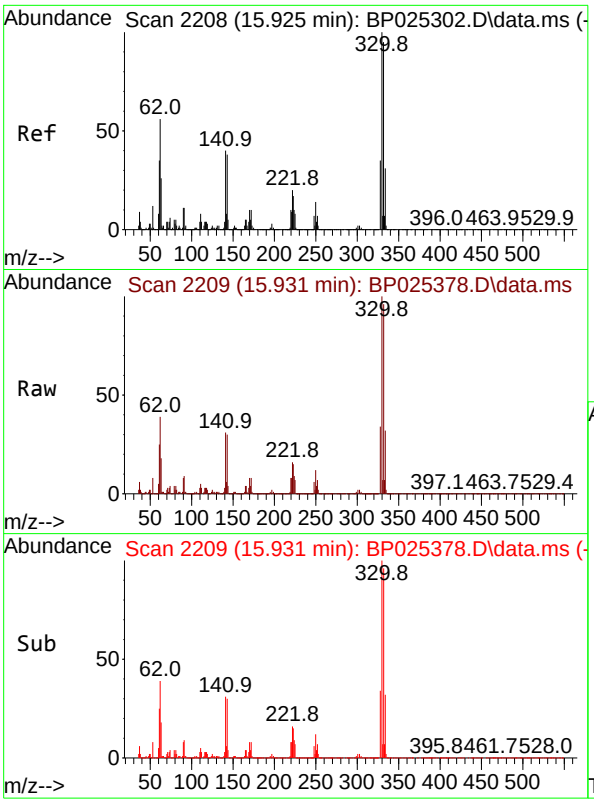


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:164 Resp: 426281

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	43.8	35.9	53.9



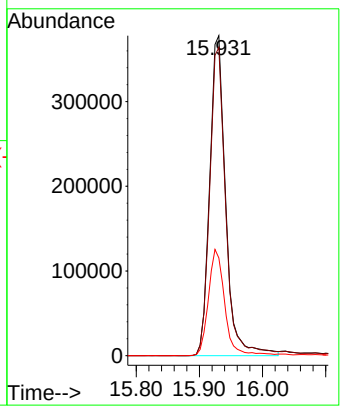


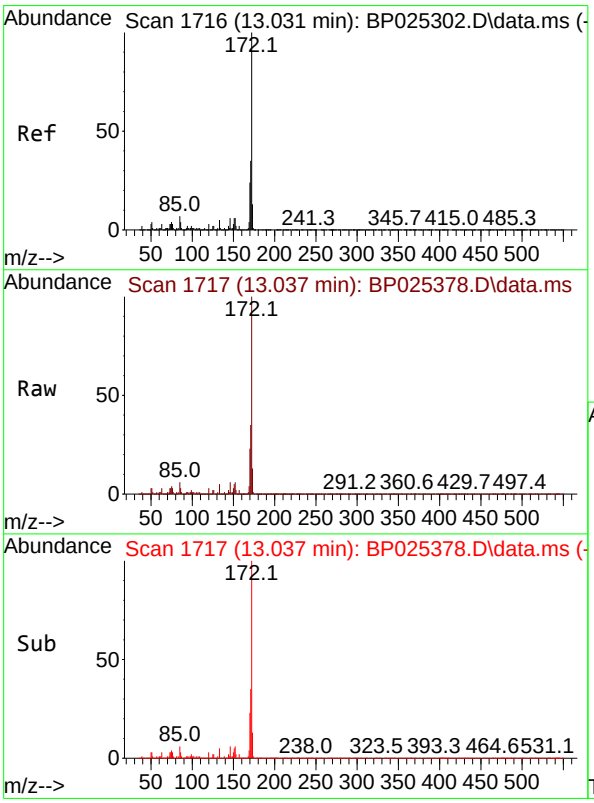
#42
2,4,6-Tribromophenol
Concen: 156.489 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:330 Resp: 665492

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	33.8	31.7	47.5

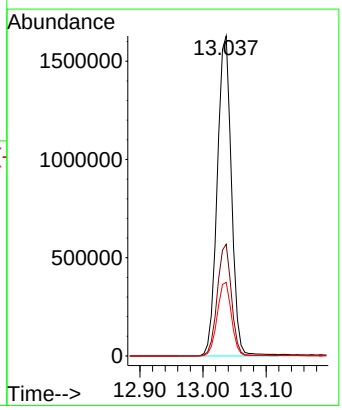


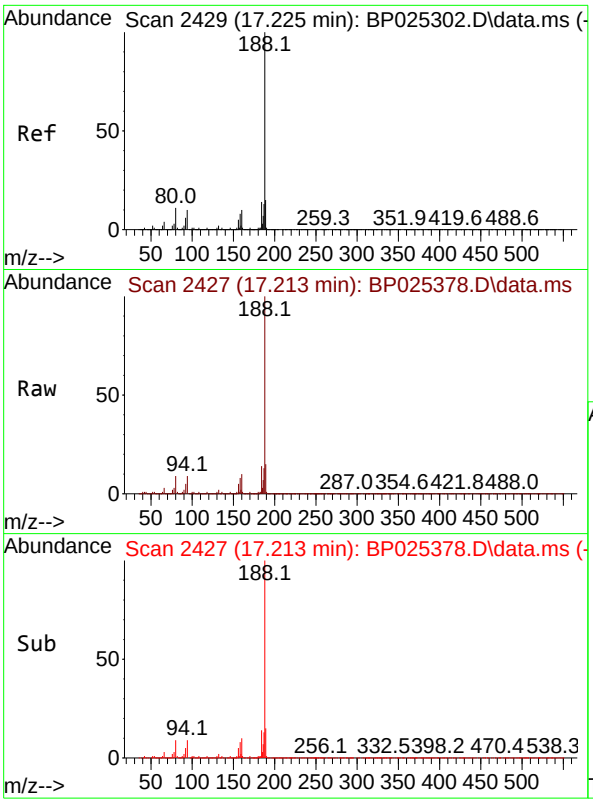


#45
2-Fluorobiphenyl
Concen: 82.218 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:172 Resp: 2537490

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.0	18.9	28.3



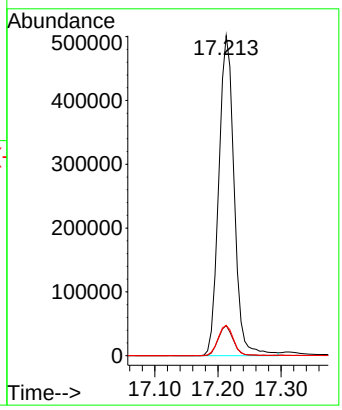


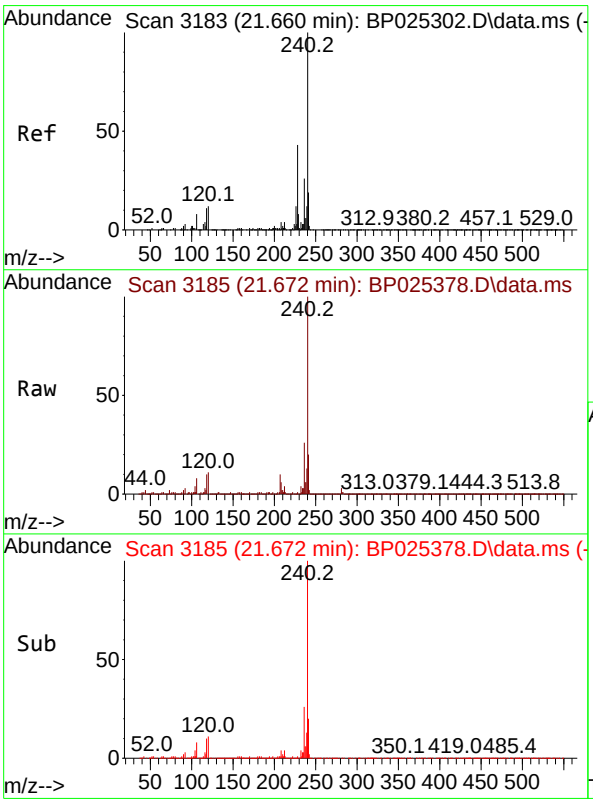
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:188 Resp: 848111

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	9.5	8.5	12.7

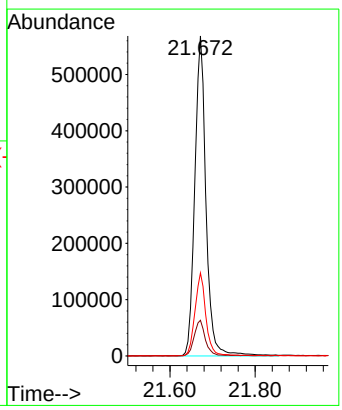


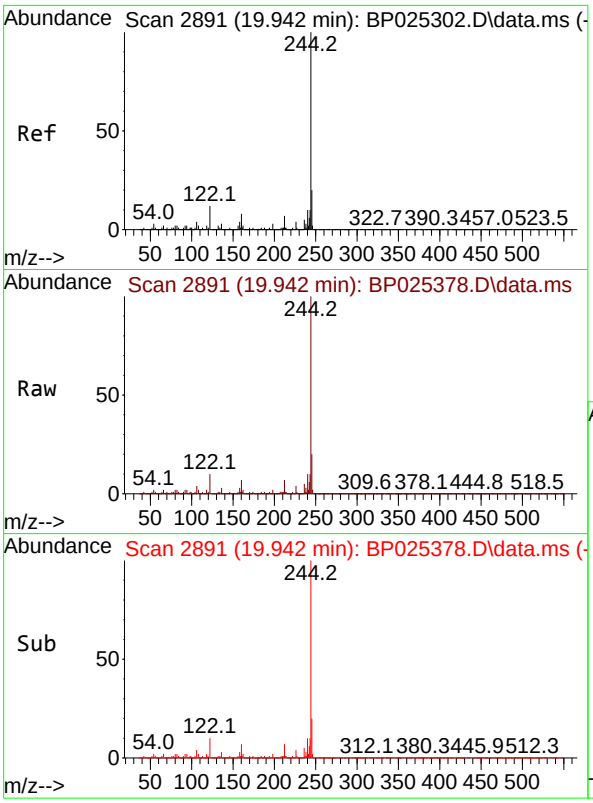


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.672 min Scan# 3185
Delta R.T. 0.012 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:240 Resp: 1035402

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.6	14.4
236	26.0	20.4	30.6



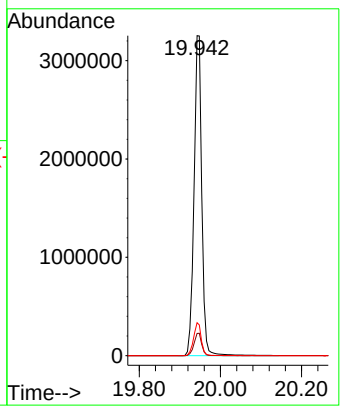


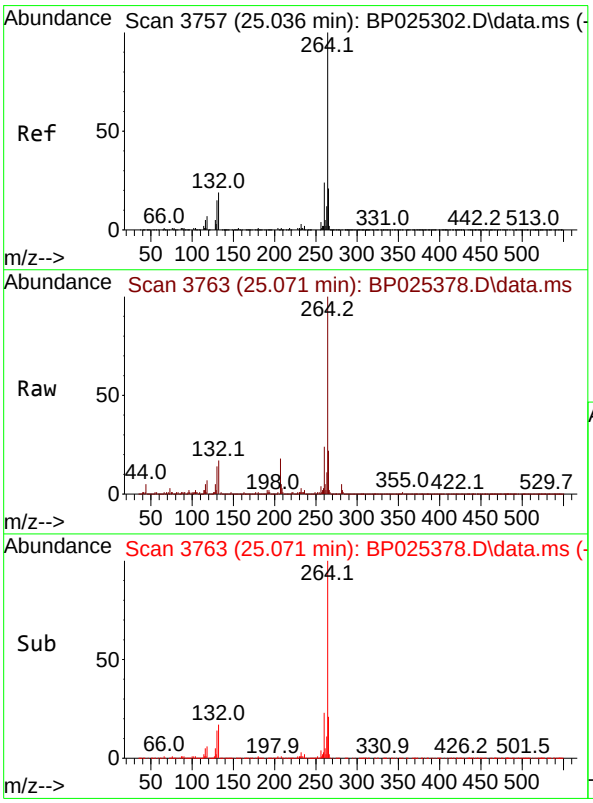
#79
Terphenyl-d14
Concen: 79.417 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Tgt Ion:244 Resp: 4353513

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.3	9.5	14.3

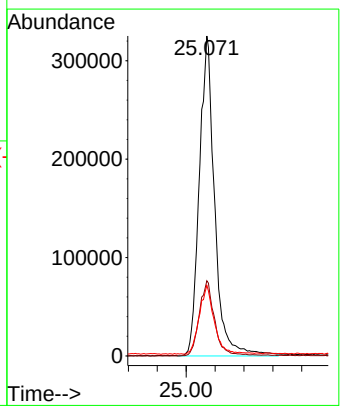




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025378.D
Acq: 13 Aug 2025 10:32

Tgt Ion:264 Resp: 1197801

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025378.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.949	337	342	352	rVB	301513	428213	3.67%	0.868%
2	5.414	414	421	433	rBV	3365773	4844409	41.47%	9.820%
3	6.972	677	686	696	rBV	2881903	4676598	40.04%	9.480%
4	7.802	819	827	838	rBV	662272	1105279	9.46%	2.241%
5	8.937	1012	1020	1034	rBV	1950947	3302715	28.28%	6.695%
6	10.572	1290	1298	1305	rBV	892568	1440425	12.33%	2.920%
7	13.037	1708	1717	1729	rBV	4570197	7240752	61.99%	14.678%
8	14.413	1944	1951	1958	rBV	1142874	1748518	14.97%	3.544%
9	15.925	2201	2208	2224	rBV	2795569	5024115	43.01%	10.184%
10	17.213	2420	2427	2440	rBV2	1222251	2128428	18.22%	4.315%
11	19.942	2885	2891	2910	rBV	8719712	11680348	100.00%	23.677%
12	20.260	2941	2945	2955	rBV3	109234	201937	1.73%	0.409%
13	21.672	3178	3185	3197	rVB	1543332	2785450	23.85%	5.646%
14	25.071	3754	3763	3778	rVB	817157	2723821	23.32%	5.522%

Sum of corrected areas: 49331008

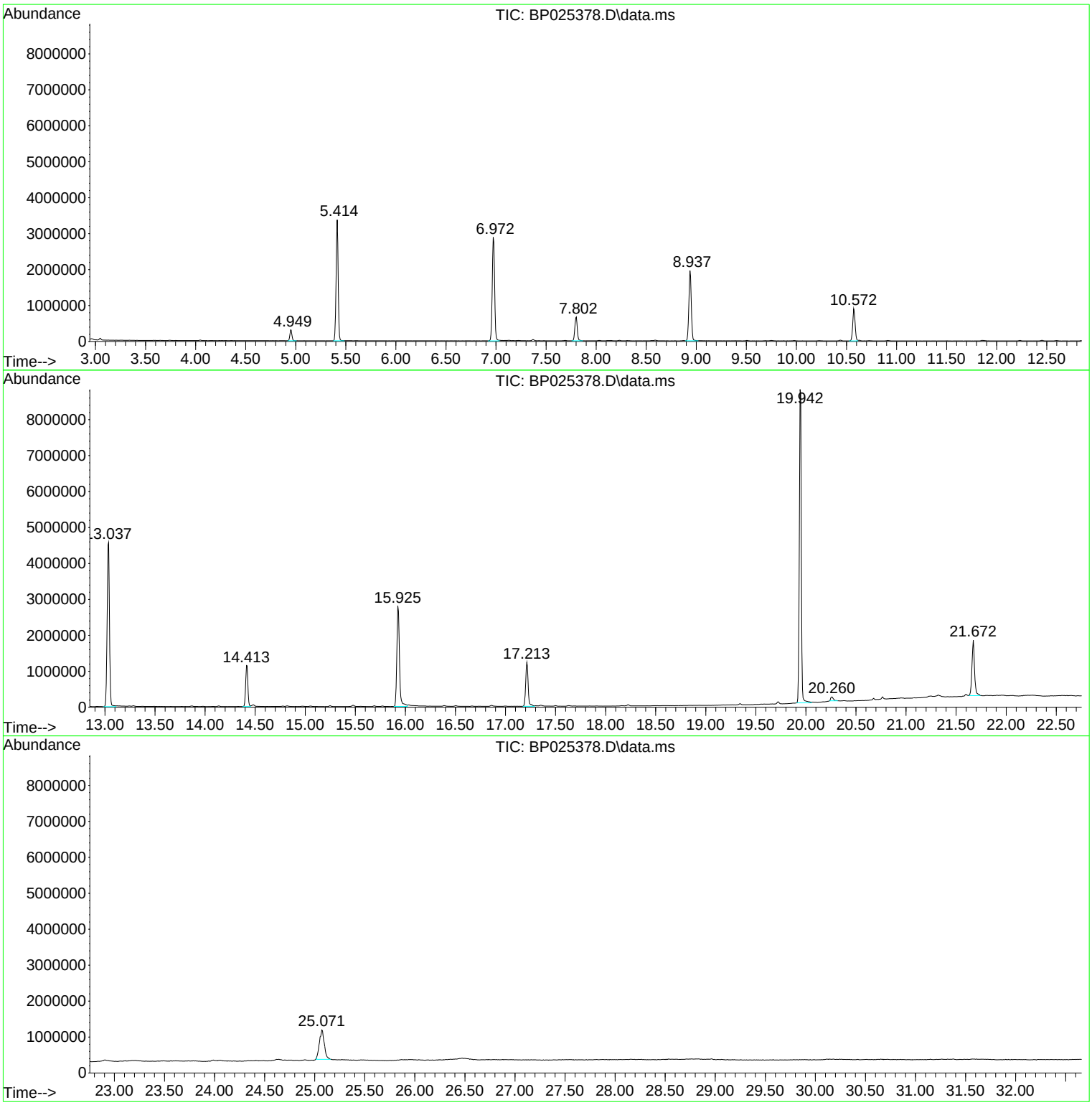
Sample Results: **BP025378.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

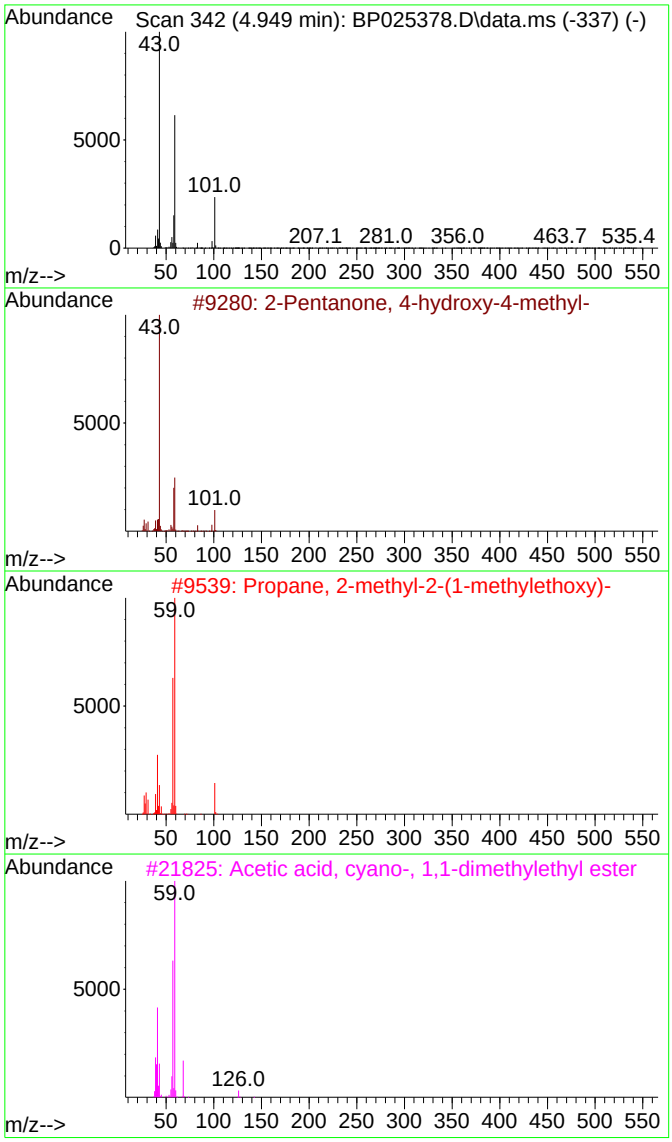
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

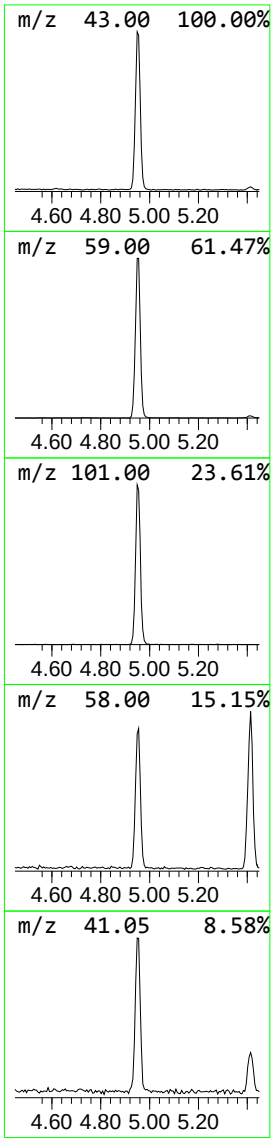
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	7.75 ng	428213	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025378.D
Acq On : 13 Aug 2025 10:32
Operator : CG/JU
Sample : PB169210BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.949	7.8	ng	428213	1	7.802	1105280	20.0

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2820
Lab Sample ID:	PB169228BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169228BL	SDG No.:	Q2820
Lab Sample ID:	PB169228BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169228BL			SDG No.:	Q2820
Lab Sample ID:	PB169228BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124		35 - 115		82%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.2		37 - 122		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.0		44 - 115		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		39 - 132		83%	SPK: 150
1718-51-0	Terphenyl-d14	73.2		54 - 127		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.79				
1146-65-2	Naphthalene-d8	580000	10.554				
15067-26-2	Acenaphthene-d10	376000	14.401				
1517-22-2	Phenanthrene-d10	766000	17.201				
1719-03-5	Chrysene-d12	918000	21.642				
1520-96-3	Perylene-d12	1040000	25.018				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A			4.95	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169228BL			SDG No.:	Q2820
Lab Sample ID:	PB169228BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025406.D	1	08/13/25 09:05	08/14/25 23:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Time: Aug 15 01:38:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

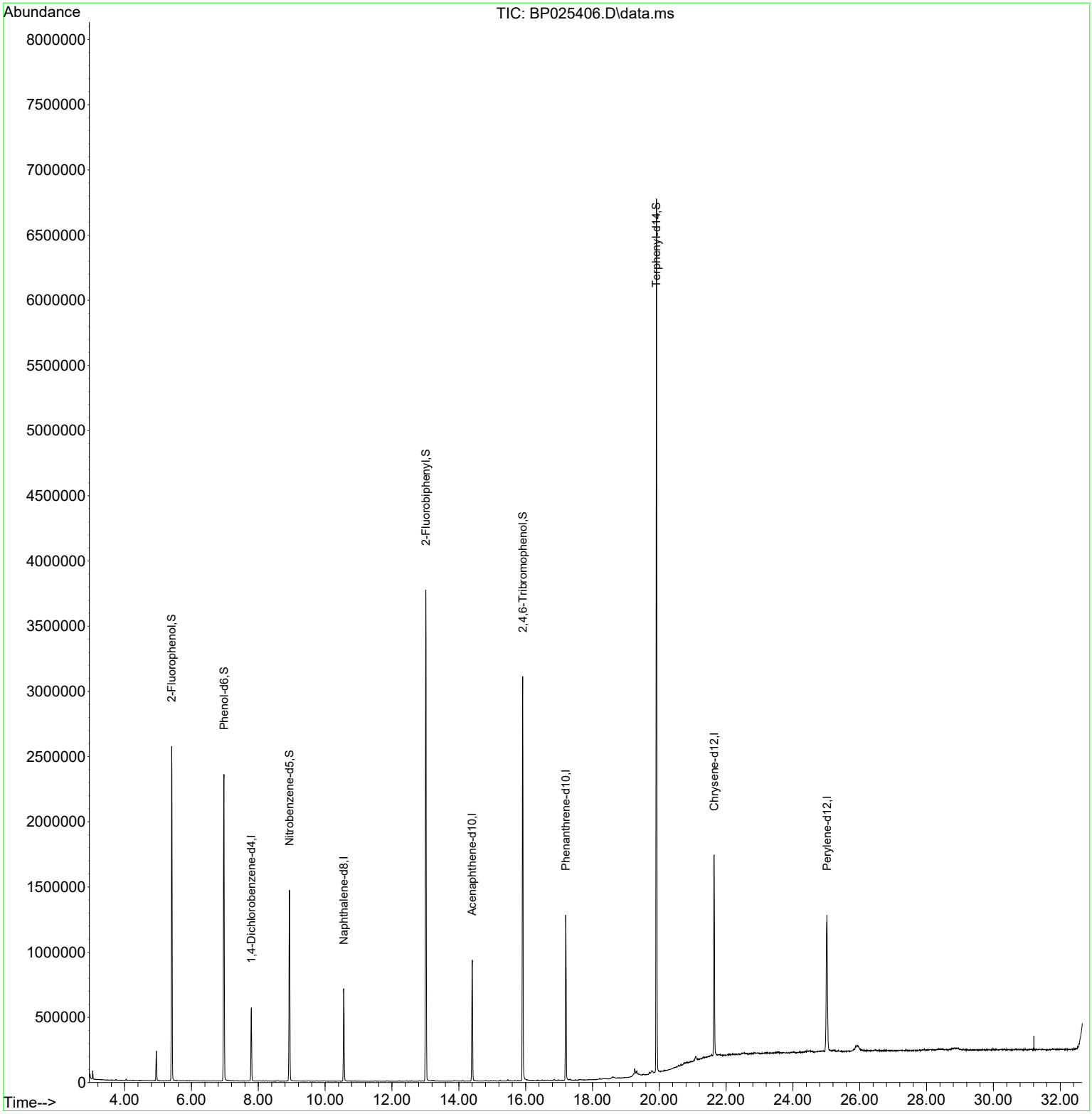
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	151255	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	580467	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	375906	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	766364	20.000	ng	0.00
76) Chrysene-d12	21.642	240	917581	20.000	ng	0.00
86) Perylene-d12	25.018	264	1039281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1126243	123.655	ng	0.00
7) Phenol-d6	6.972	99	1380582	118.230	ng	0.00
23) Nitrobenzene-d5	8.931	82	874228	76.186	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	628097	124.137	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2062528	74.987	ng	0.00
79) Terphenyl-d14	19.913	244	3671345	73.203	ng	0.00
Target Compounds						Qvalue

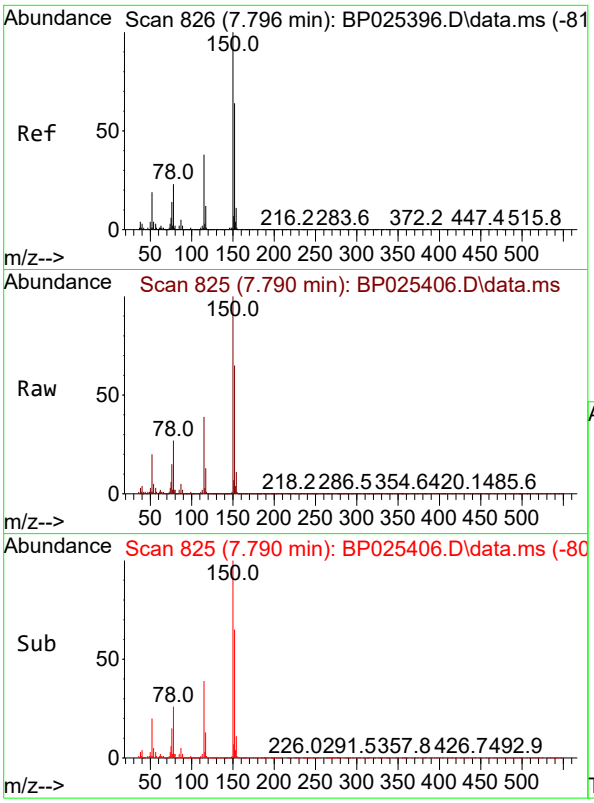
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Time: Aug 15 01:38:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



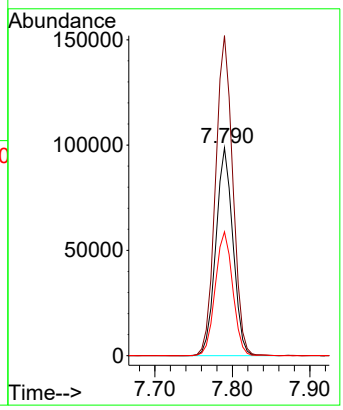


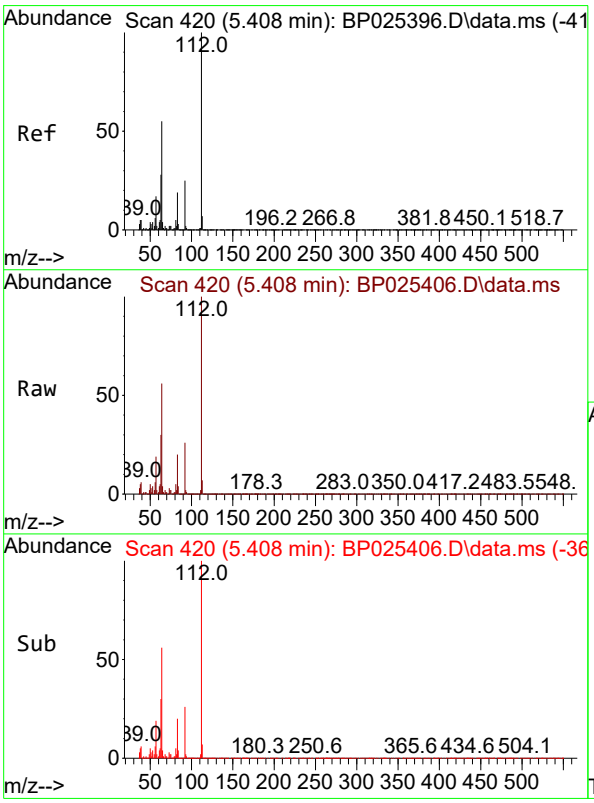
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:152 Resp: 151255

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	59.6	48.5	72.7

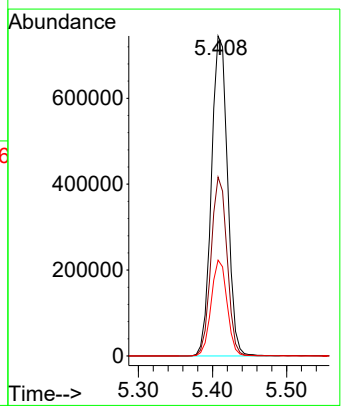


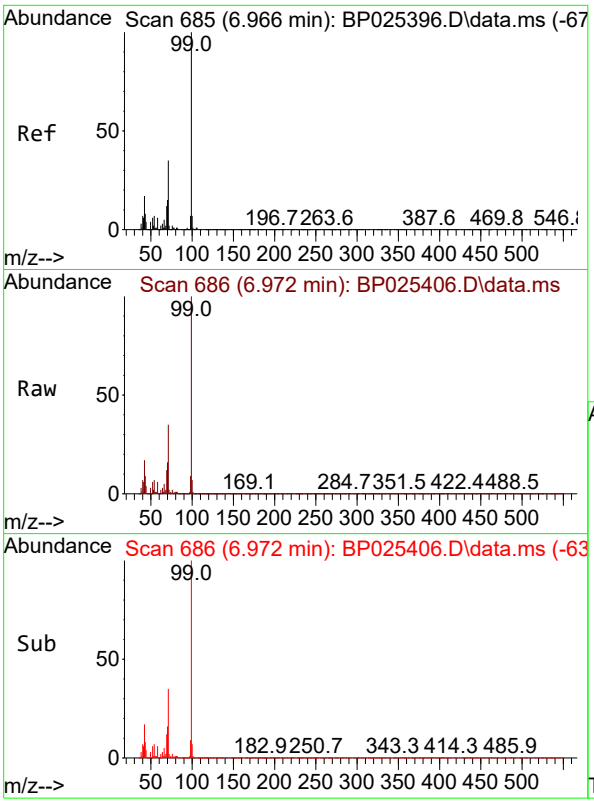


#5
2-Fluorophenol
Concen: 123.655 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:112 Resp: 1126243

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	29.9	22.7	34.1



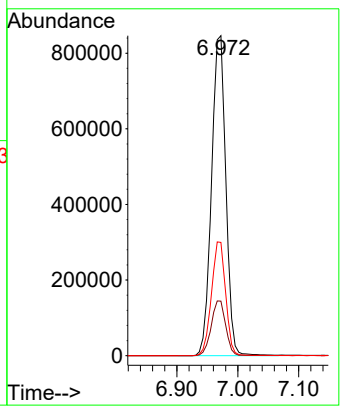


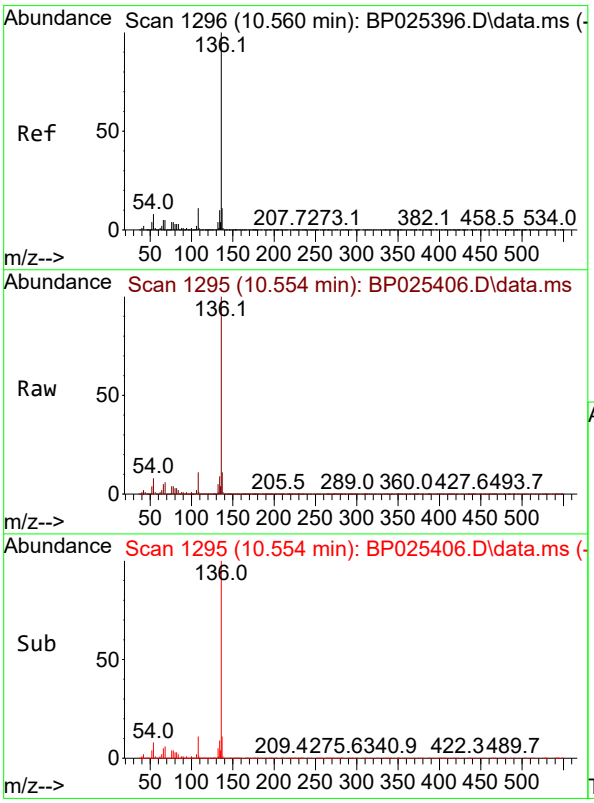
#7
Phenol-d6
Concen: 118.230 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion: 99 Resp: 1380582

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.4	28.2	42.4

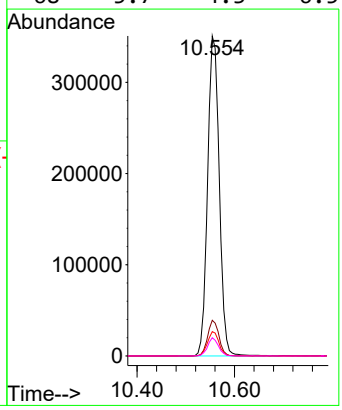


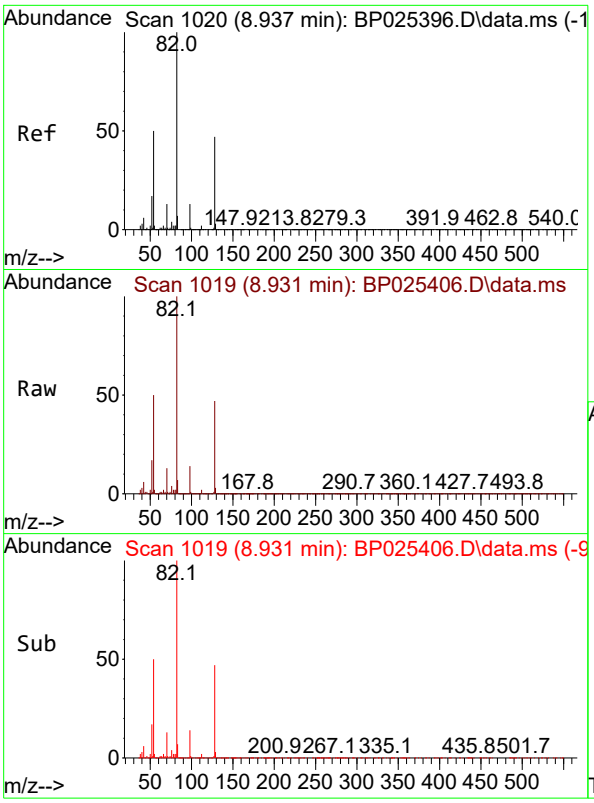


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:136 Resp: 580467

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.7	4.3	6.5



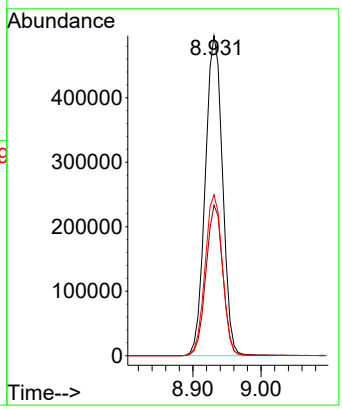


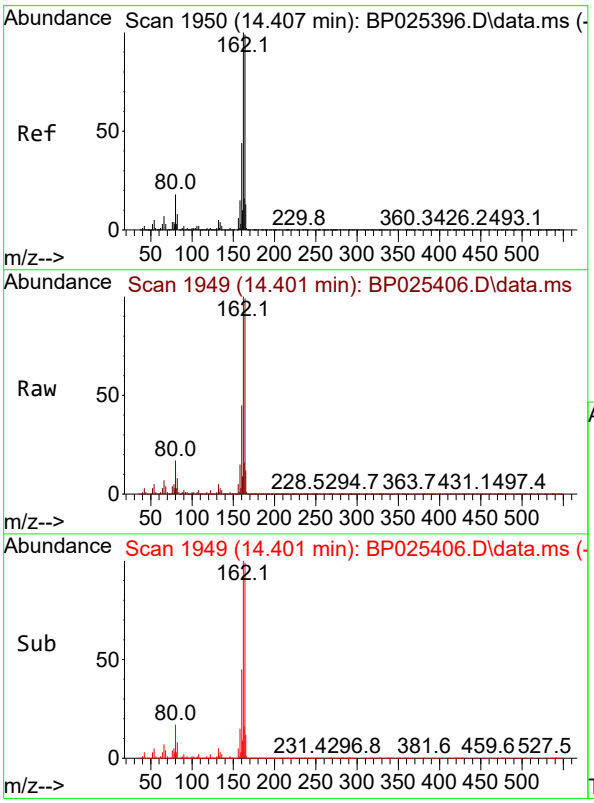
#23
Nitrobenzene-d5
Concen: 76.186 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion: 82 Resp: 874228

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	50.3	39.8	59.6

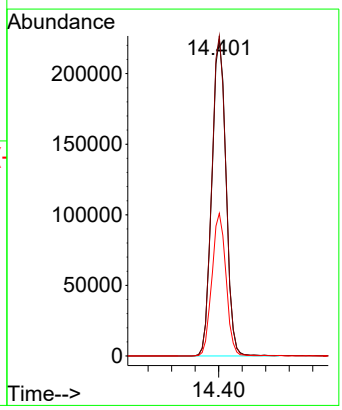


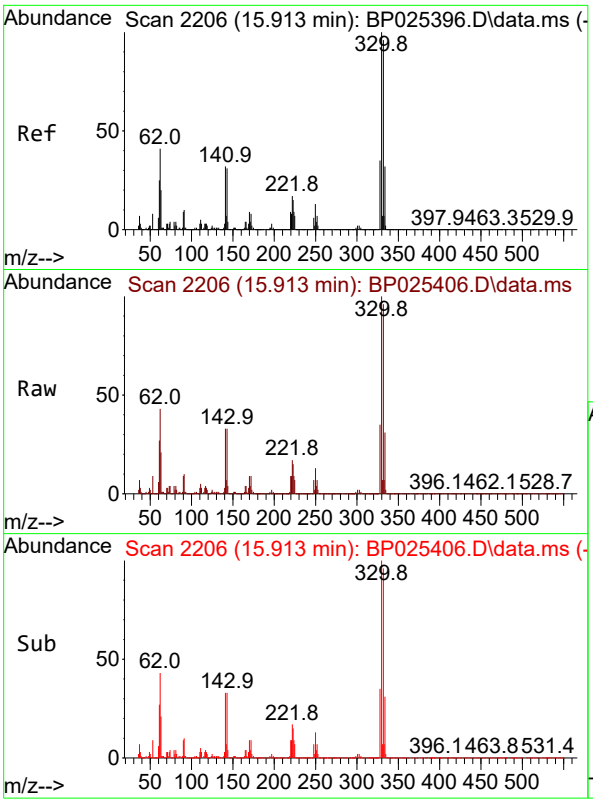


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:164 Resp: 375906

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.6
160	45.0	35.4	53.2



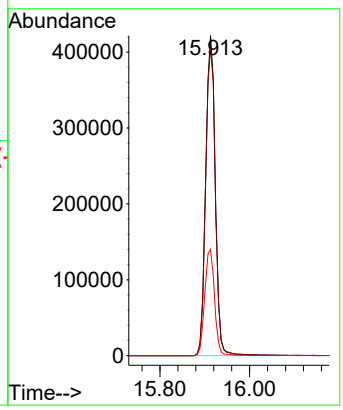


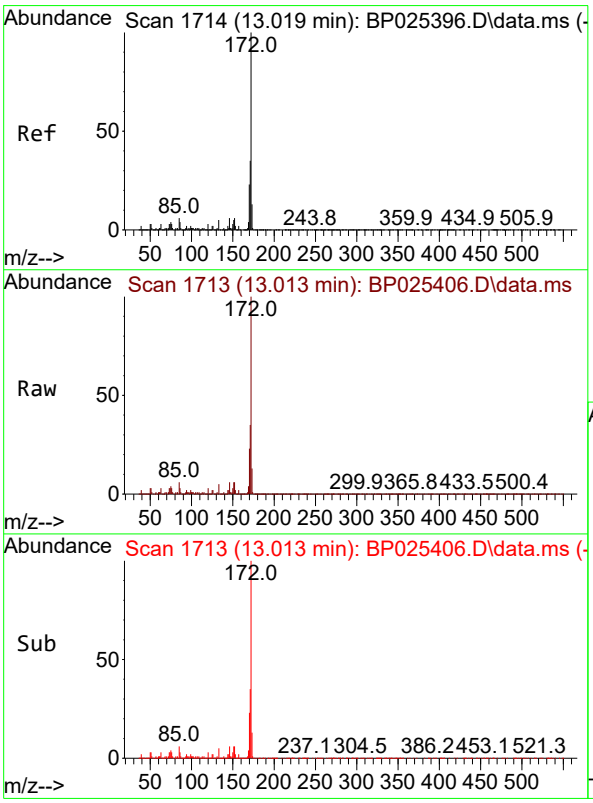
#42
2,4,6-Tribromophenol
Concen: 124.137 ng
RT: 15.913 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:330 Resp: 628097

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	34.1	26.6	39.8

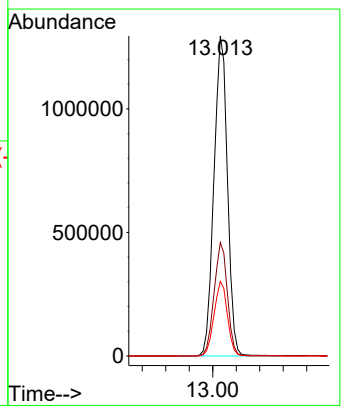


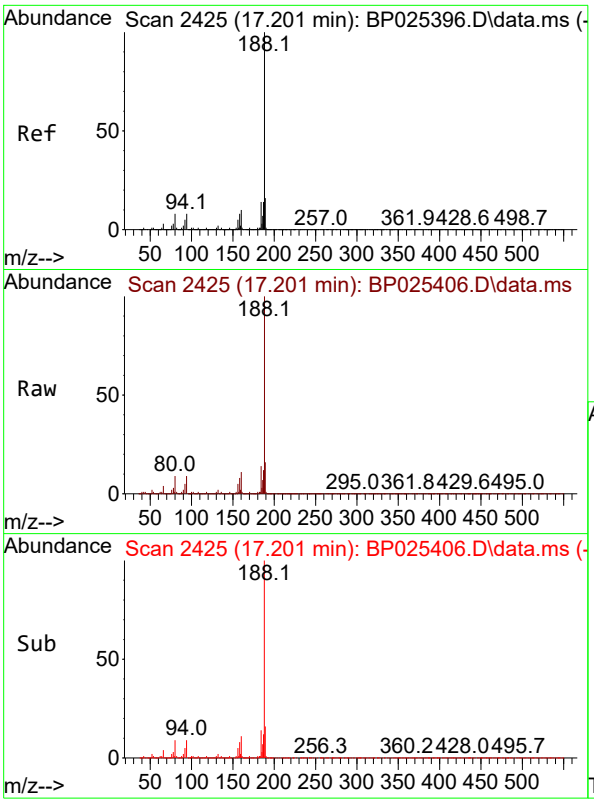


#45
2-Fluorobiphenyl
Concen: 74.987 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:172 Resp: 2062528

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.3	18.6	28.0



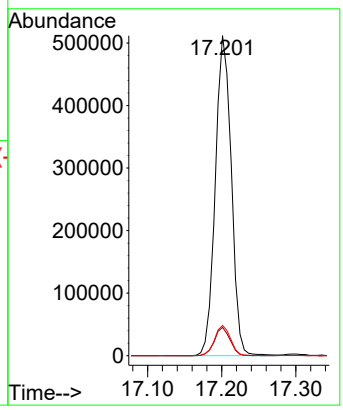


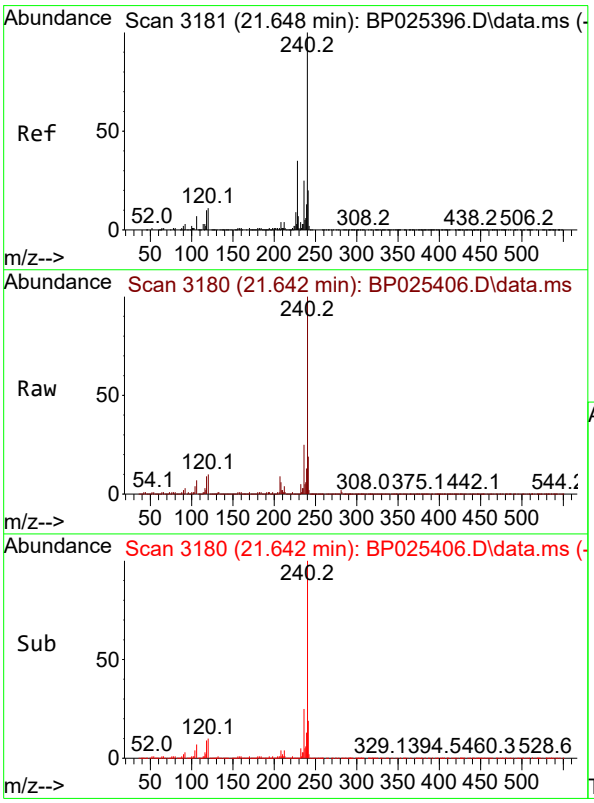
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:188 Resp: 766364

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.5	6.7	10.1

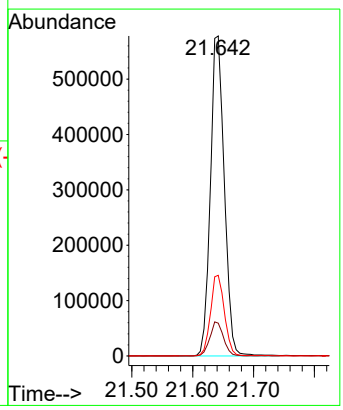


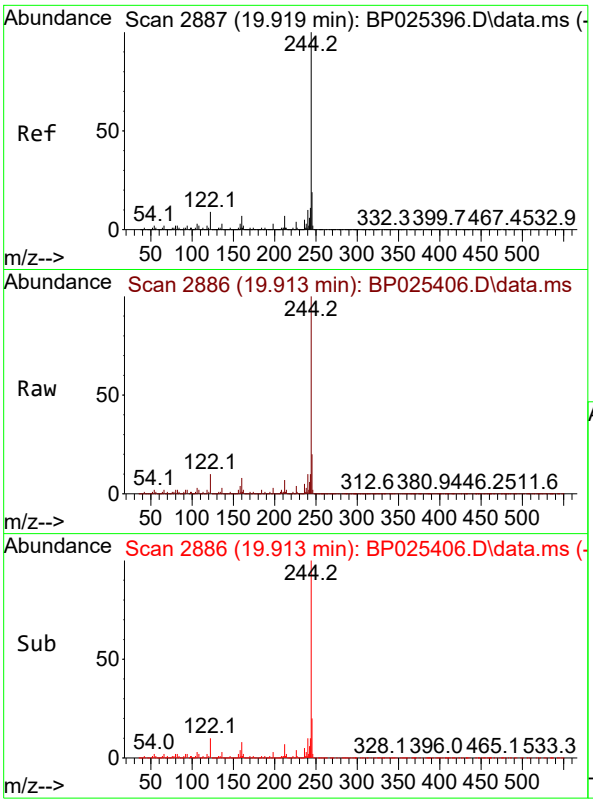


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:240 Resp: 917581

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.2	19.8	29.8



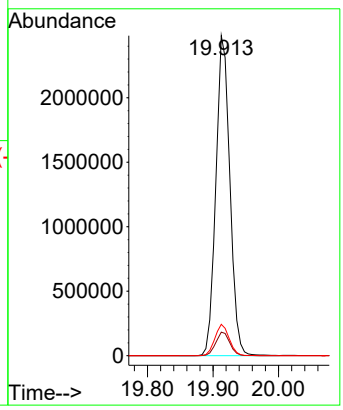


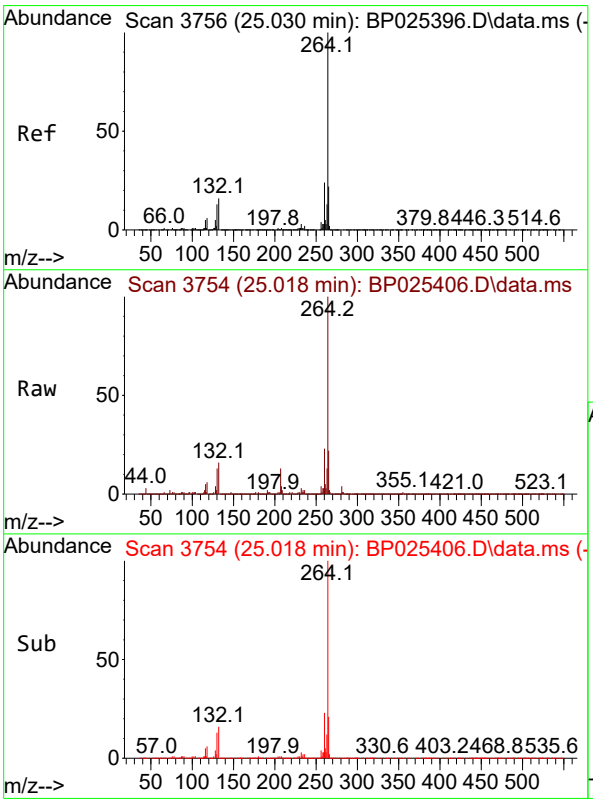
#79
Terphenyl-d14
Concen: 73.203 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Tgt Ion:244 Resp: 3671345

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.8	7.4	11.2

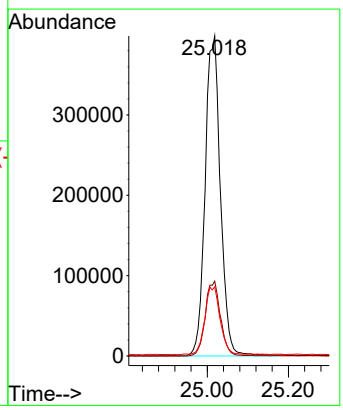




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025406.D
Acq: 14 Aug 2025 23:37

Tgt Ion:264 Resp: 1039281

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0



Sample Results: **BP025406.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.949	336	342	349	rBV	226714	318411	3.20%	0.759%
2	5.408	413	420	431	rBV	2564528	3841230	38.62%	9.154%
3	6.972	677	686	695	rBV	2351007	3865235	38.86%	9.211%
4	7.790	817	825	834	rBV	562351	877817	8.82%	2.092%
5	8.931	1011	1019	1035	rBV	1463783	2588438	26.02%	6.169%
6	10.554	1286	1295	1312	rBV	710009	1175812	11.82%	2.802%
7	13.013	1704	1713	1729	rBV	3768883	5975830	60.07%	14.241%
8	14.401	1942	1949	1957	rBV	928824	1569054	15.77%	3.739%
9	15.913	2199	2206	2224	rBV	3102476	4715170	47.40%	11.237%
10	17.201	2416	2425	2438	rBV2	1269901	1938365	19.49%	4.619%
11	19.913	2880	2886	2900	rBV	6699452	9947409	100.00%	23.706%
12	21.642	3174	3180	3193	rVB2	1533044	2480300	24.93%	5.911%
13	25.018	3745	3754	3768	rVB	1039128	2667911	26.82%	6.358%

Sum of corrected areas: 41960982

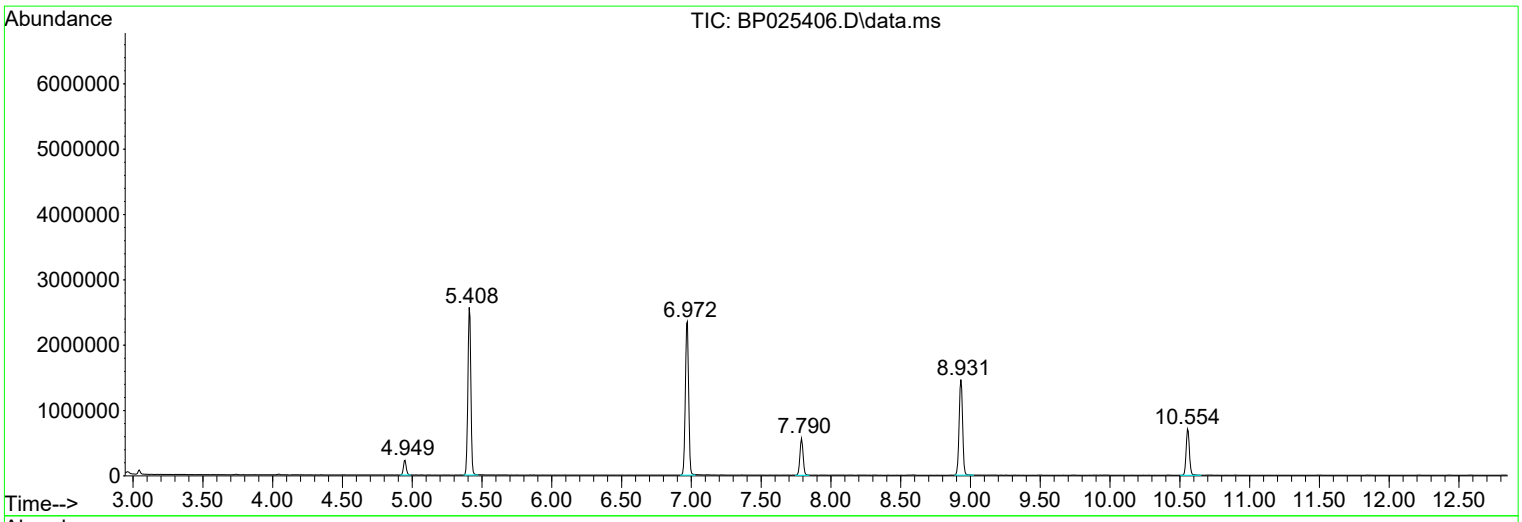
Sample Results: **BP025406.D**

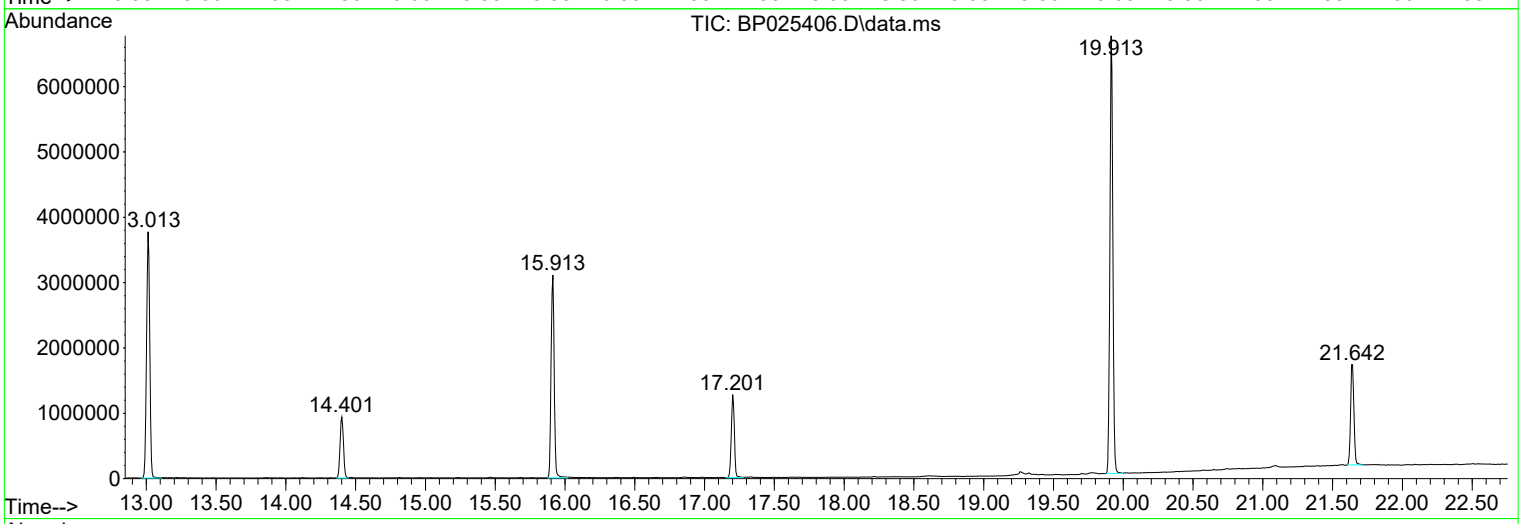
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

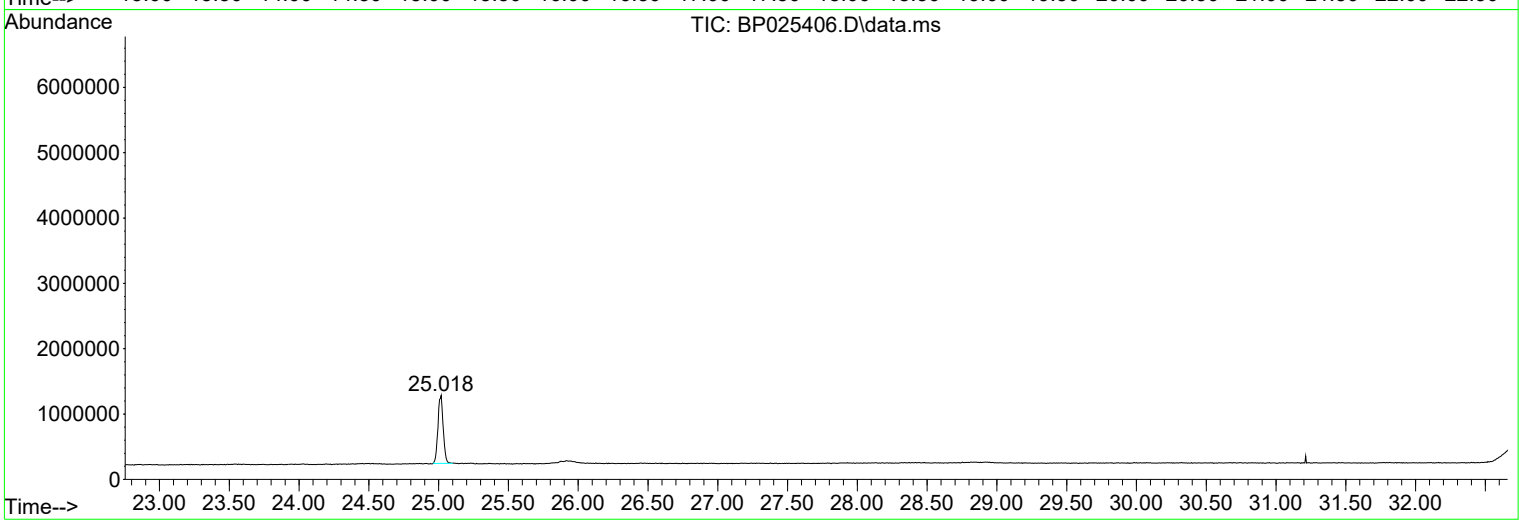
Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

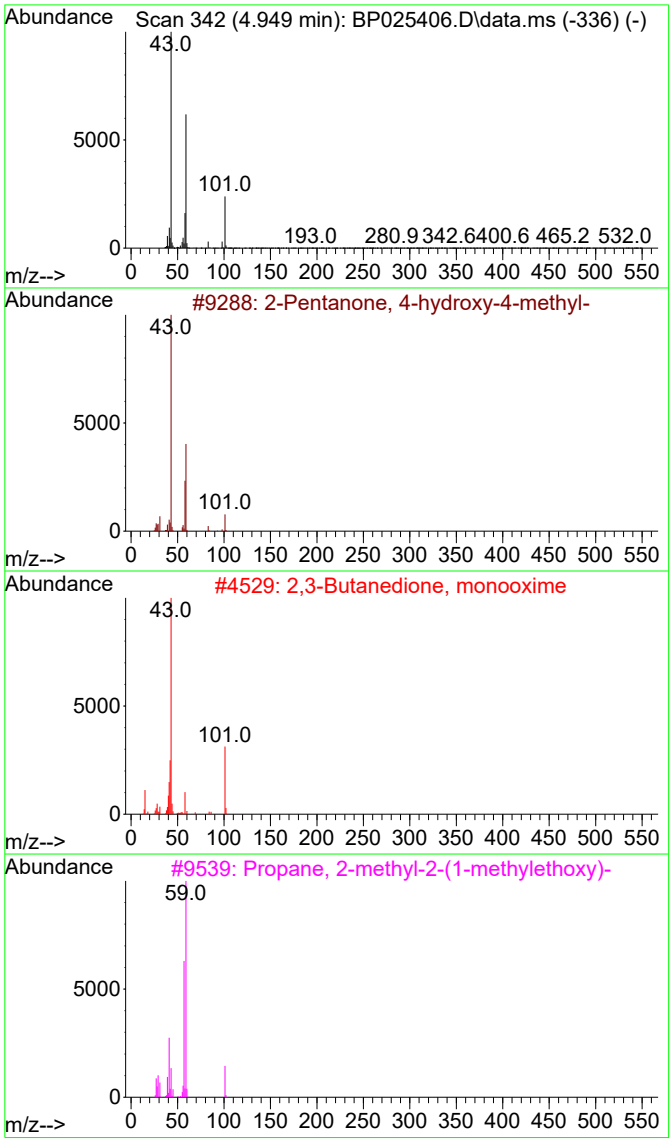
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

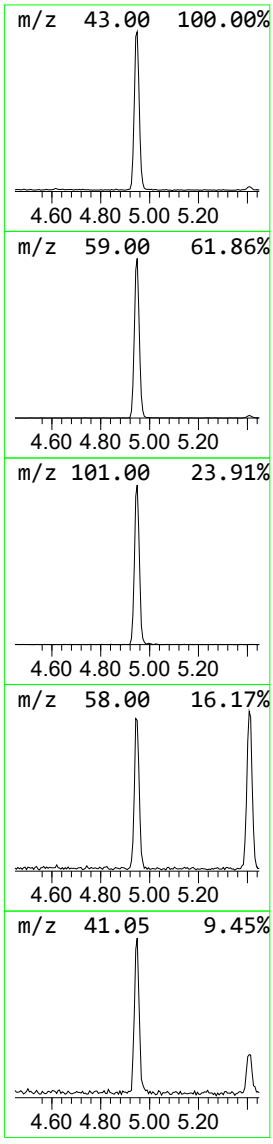
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.949	7.25 ng	318411	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025406.D
Acq On : 14 Aug 2025 23:37
Operator : CG/JU
Sample : PB169228BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.949	7.3	ng	318411	1	7.790	877817	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BL	SDG No.:	Q2820
Lab Sample ID:	PB169242BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	47.4	80.0	80.0	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169242BL			SDG No.:	Q2820
Lab Sample ID:	PB169242BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.3	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.8	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169242BL			SDG No.:	Q2820
Lab Sample ID:	PB169242BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139		35 - 115		92%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127		88%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.9		37 - 122		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		44 - 115		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		39 - 132		97%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		54 - 127		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158000	7.79				
1146-65-2	Naphthalene-d8	605000	10.56				
15067-26-2	Acenaphthene-d10	392000	14.395				
1517-22-2	Phenanthrene-d10	838000	17.189				
1719-03-5	Chrysene-d12	919000	21.63				
1520-96-3	Perylene-d12	1040000	25.001				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A			4.94	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	97.0	J			19.4	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	180	J			19.6	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	140	J			20.7	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169242BL			SDG No.:	Q2820
Lab Sample ID:	PB169242BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Time: Aug 20 02:27:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

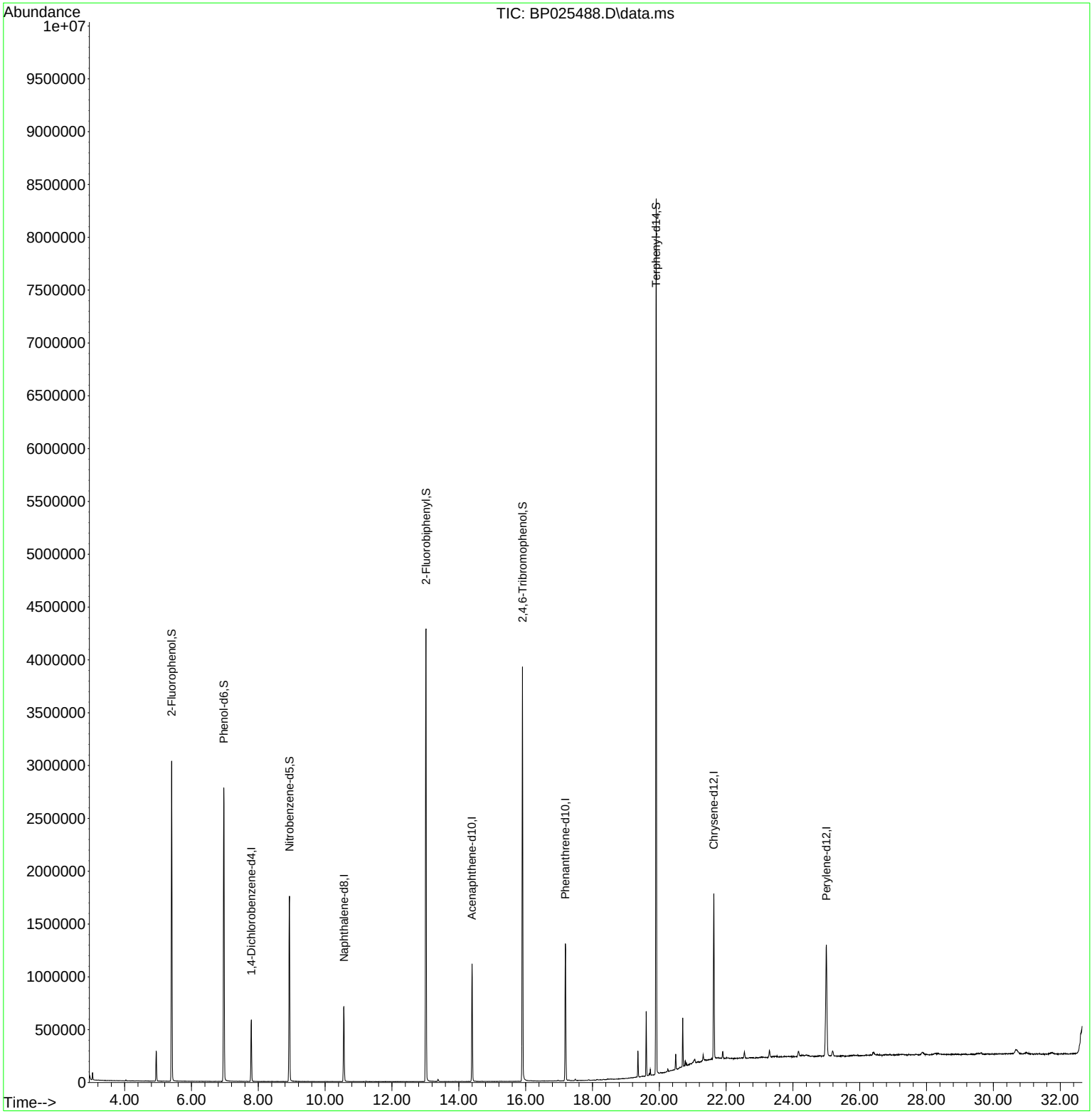
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	158125	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	604850	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	392339	20.000	ng	-0.01
64) Phenanthrene-d10	17.189	188	837745	20.000	ng	-0.01
76) Chrysene-d12	21.630	240	919387	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1036555	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1319499	138.580	ng	0.00
7) Phenol-d6	6.966	99	1613671	132.187	ng	0.00
23) Nitrobenzene-d5	8.931	82	1062397	88.852	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	767171	145.272	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2369901	82.554	ng	0.00
79) Terphenyl-d14	19.907	244	4185704	83.295	ng	-0.01
Target Compounds						Qvalue

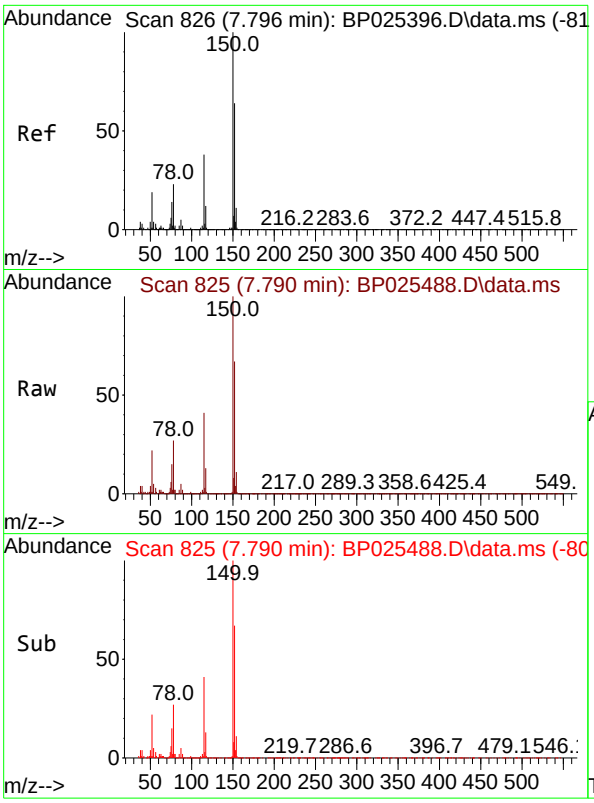
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Time: Aug 20 02:27:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



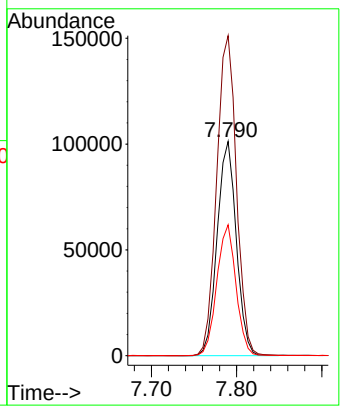


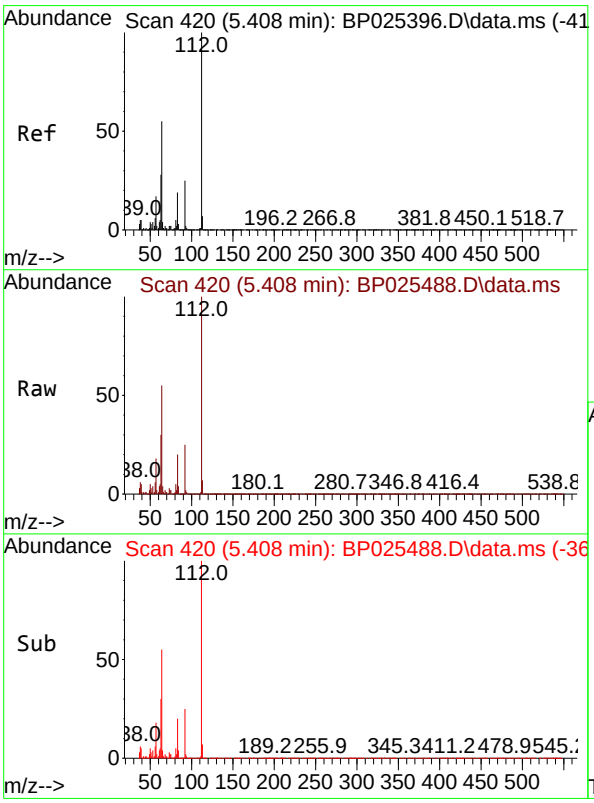
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion:152 Resp: 158125

Ion	Ratio	Lower	Upper
152	100		
150	149.4	125.9	188.9
115	61.1	48.5	72.7

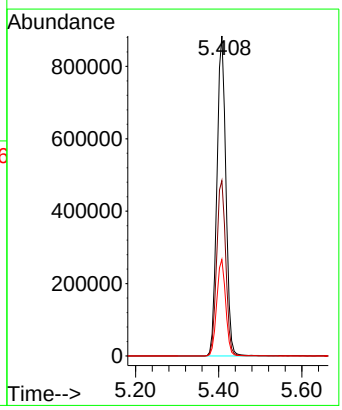


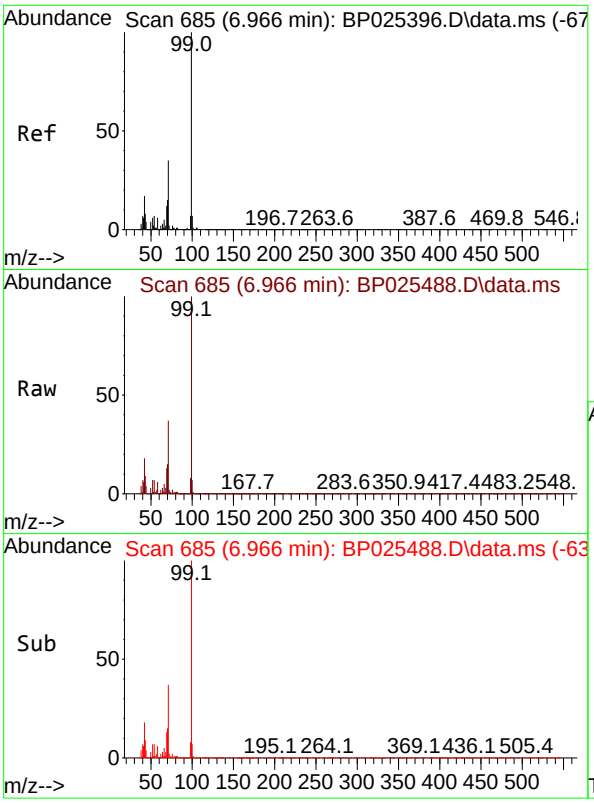


#5
2-Fluorophenol
Concen: 138.580 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:112 Resp: 1319499

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.8
63	30.2	22.7	34.1



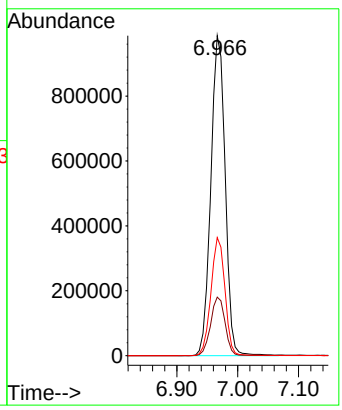


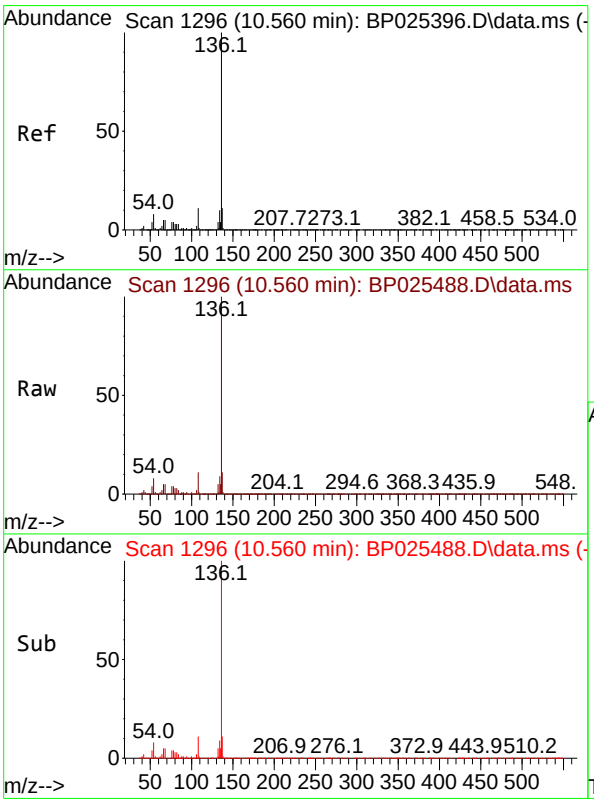
#7
Phenol-d6
Concen: 132.187 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion: 99 Resp: 1613671

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	36.9	28.2	42.4

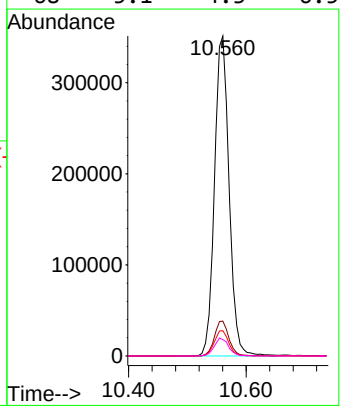


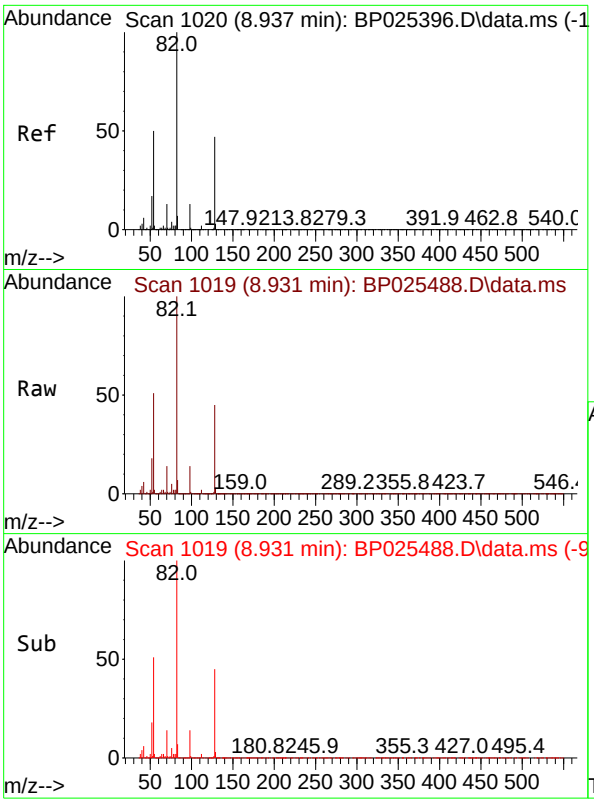


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:136 Resp: 604850

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.3	6.0	9.0
68	5.1	4.3	6.5



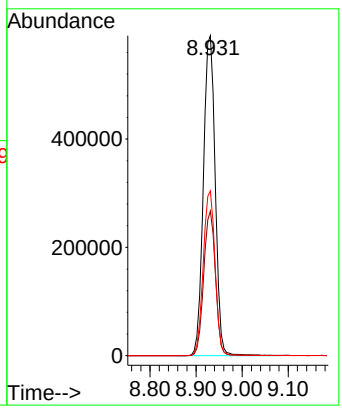


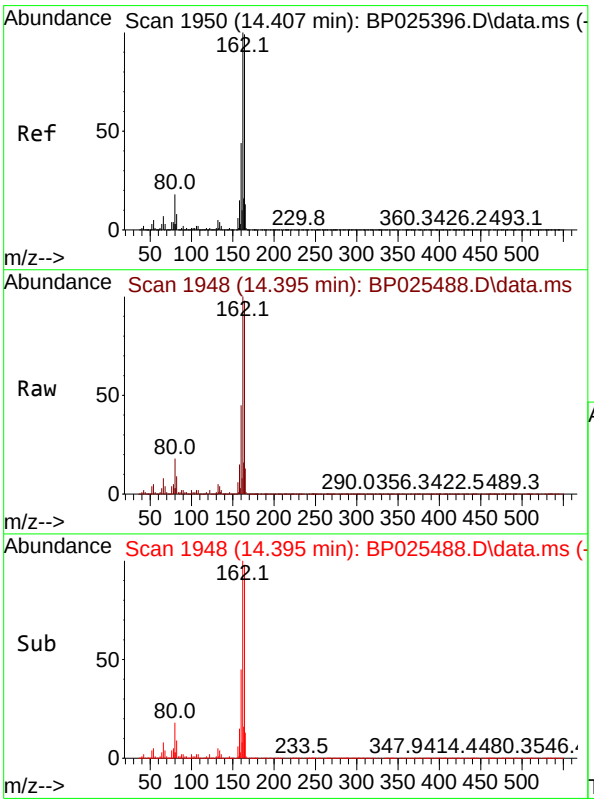
#23
Nitrobenzene-d5
Concen: 88.852 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion: 82 Resp: 1062397

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.7	56.5
54	51.5	39.8	59.6

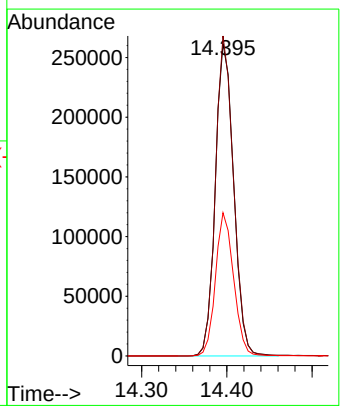


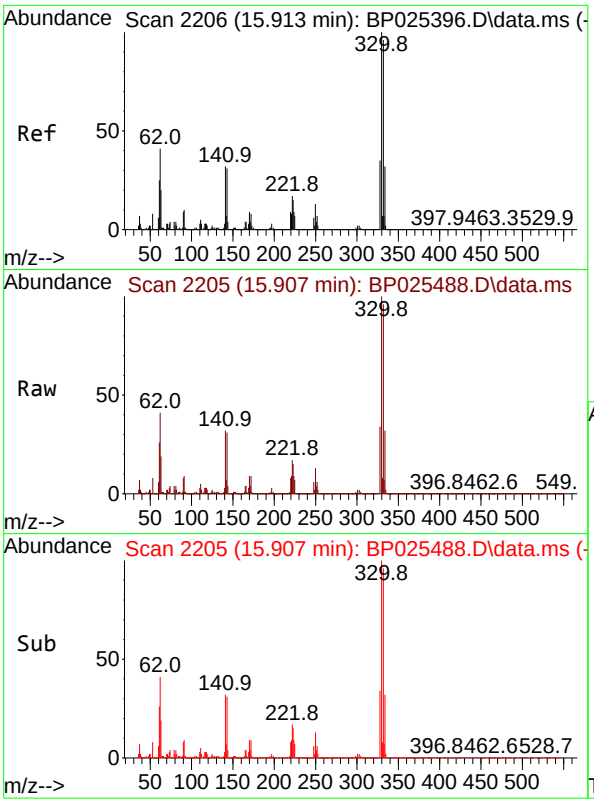


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:164 Resp: 392339

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.0	121.6
160	45.8	35.4	53.2



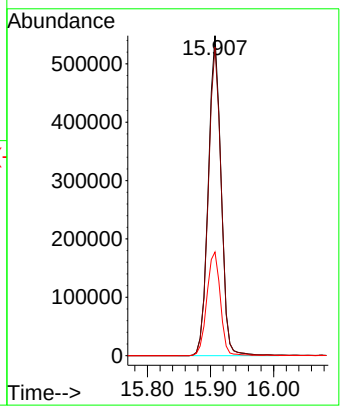


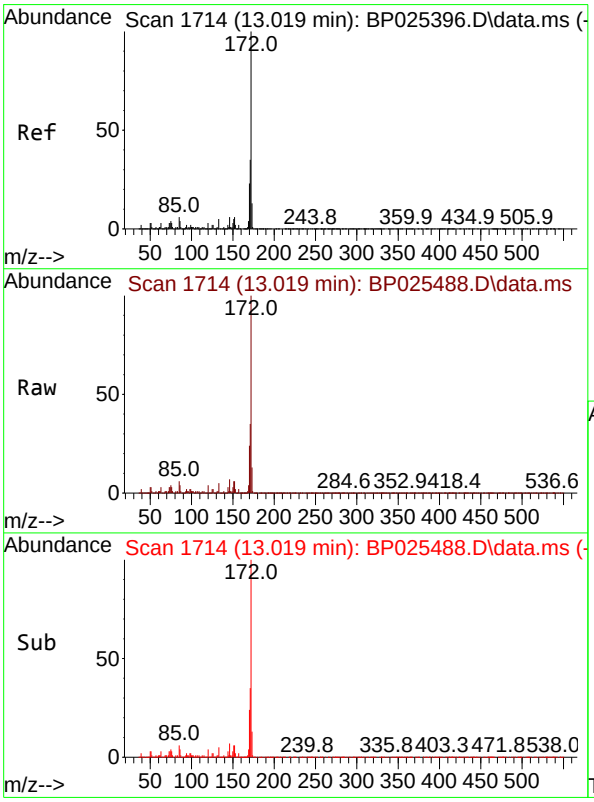
#42
2,4,6-Tribromophenol
Concen: 145.272 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion:330 Resp: 767171

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.3	115.9
141	34.5	26.6	39.8

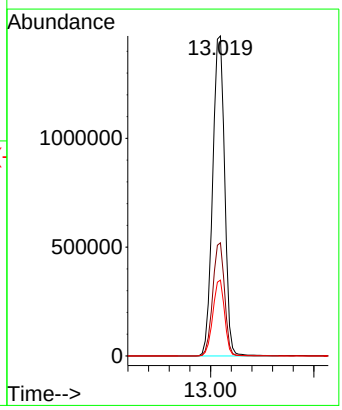


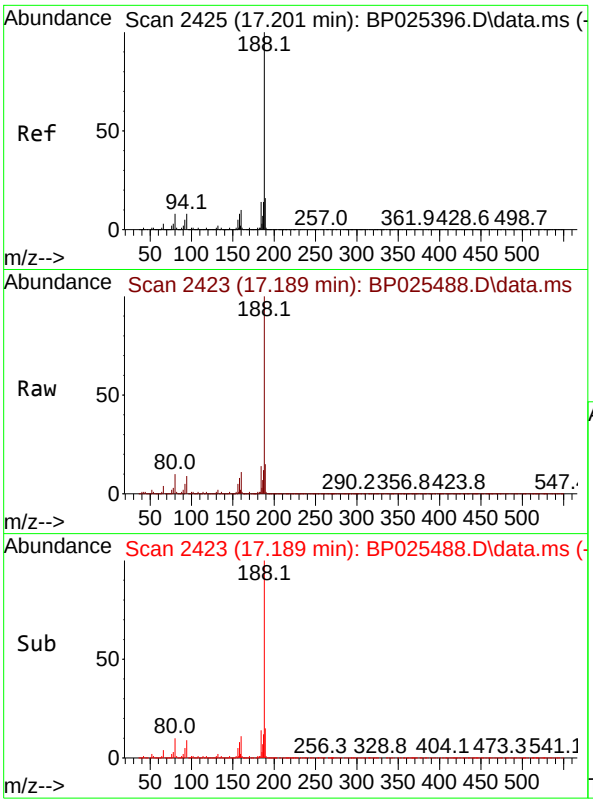


#45
2-Fluorobiphenyl
Concen: 82.554 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:172 Resp: 2369901

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.7	18.6	28.0



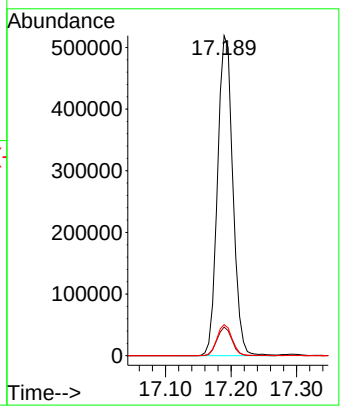


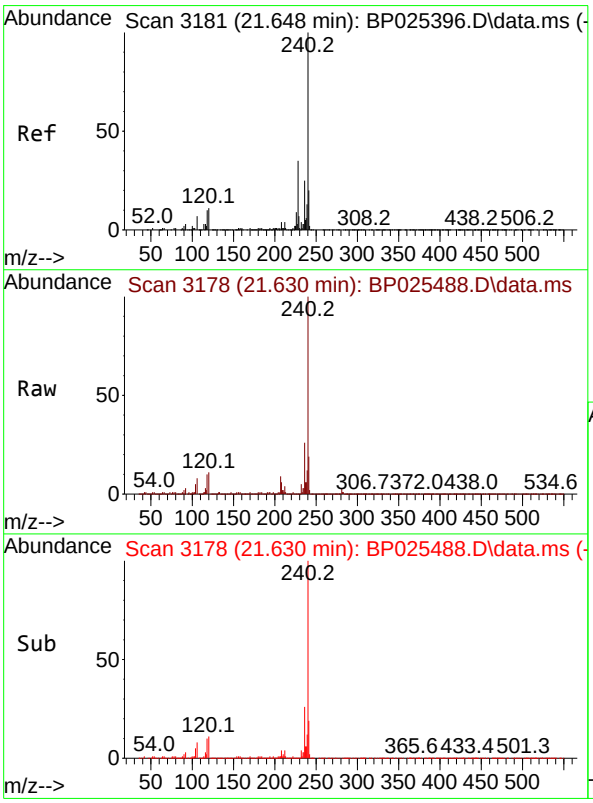
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion:188 Resp: 837745

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.7	6.7	10.1

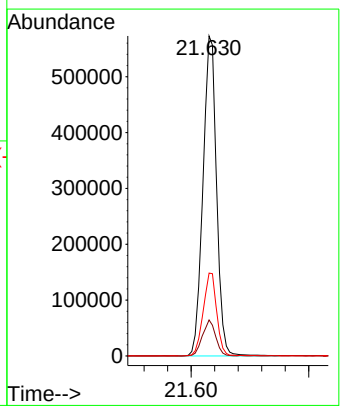


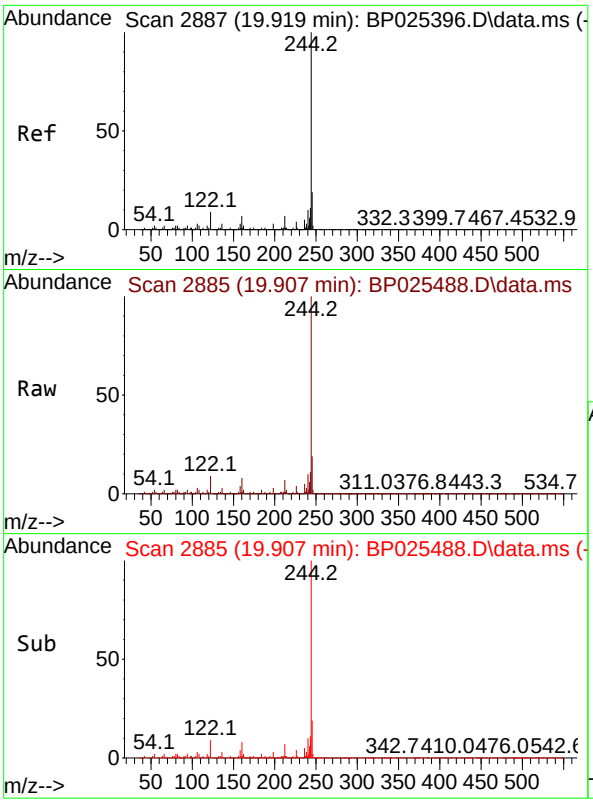


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:240 Resp: 919387

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.9	19.8	29.8



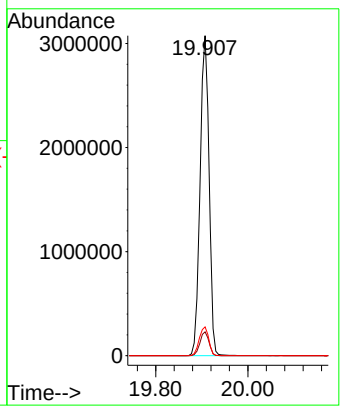


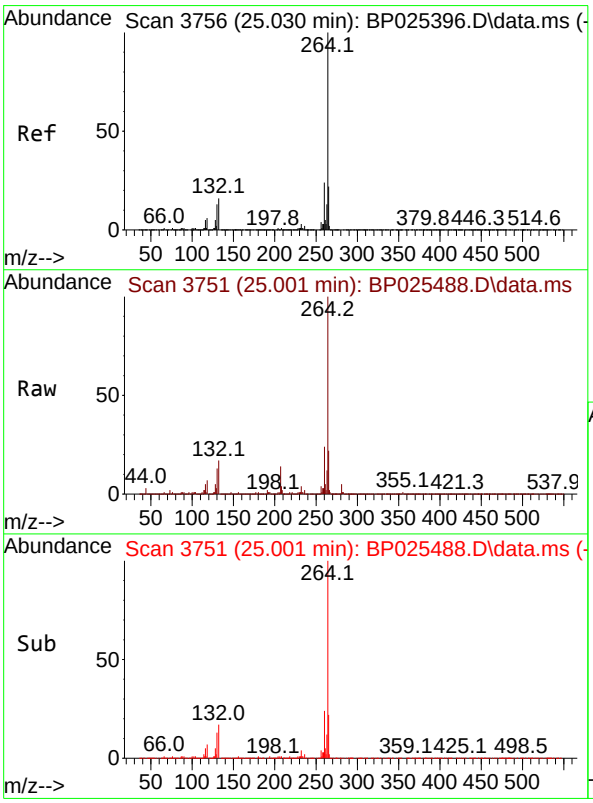
#79
Terphenyl-d14
Concen: 83.295 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Tgt Ion:244 Resp: 4185704

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2

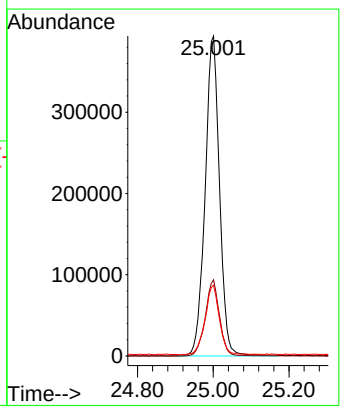




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025488.D
Acq: 20 Aug 2025 00:27

Tgt Ion:264 Resp: 1036555

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.1	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025488.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.943	335	341	350	rBV	284877	409791	3.60%	0.822%
2	5.408	413	420	431	rBV	3029668	4545029	39.96%	9.116%
3	6.966	677	685	702	rBV	2778785	4618755	40.60%	9.264%
4	7.790	818	825	832	rBV	582146	918577	8.08%	1.842%
5	8.931	1007	1019	1029	rBV	1755395	3146374	27.66%	6.311%
6	10.560	1288	1296	1312	rBV	710165	1226150	10.78%	2.459%
7	13.019	1705	1714	1732	rBV	4286138	6927261	60.90%	13.894%
8	14.395	1940	1948	1960	rBV	1114038	1677283	14.74%	3.364%
9	15.907	2197	2205	2224	rBV	3922418	5815330	51.12%	11.664%
10	17.189	2416	2423	2437	rBV2	1297299	2105930	18.51%	4.224%
11	19.360	2788	2792	2800	rVB	247074	305894	2.69%	0.614%
12	19.607	2830	2834	2839	rBV	610715	693253	6.09%	1.390%
13	19.907	2879	2885	2896	rBV	8284004	11375324	100.00%	22.816%
14	20.489	2980	2984	2990	rBV	147965	201872	1.77%	0.405%
15	20.701	3016	3020	3025	rBV	462952	543781	4.78%	1.091%
16	21.630	3172	3178	3189	rBV	1559764	2498140	21.96%	5.011%
17	25.001	3742	3751	3766	rVB	1050454	2708088	23.81%	5.432%
18	32.618	5042	5046	5047	rBV2	92878	139696	1.23%	0.280%

Sum of corrected areas: 49856528

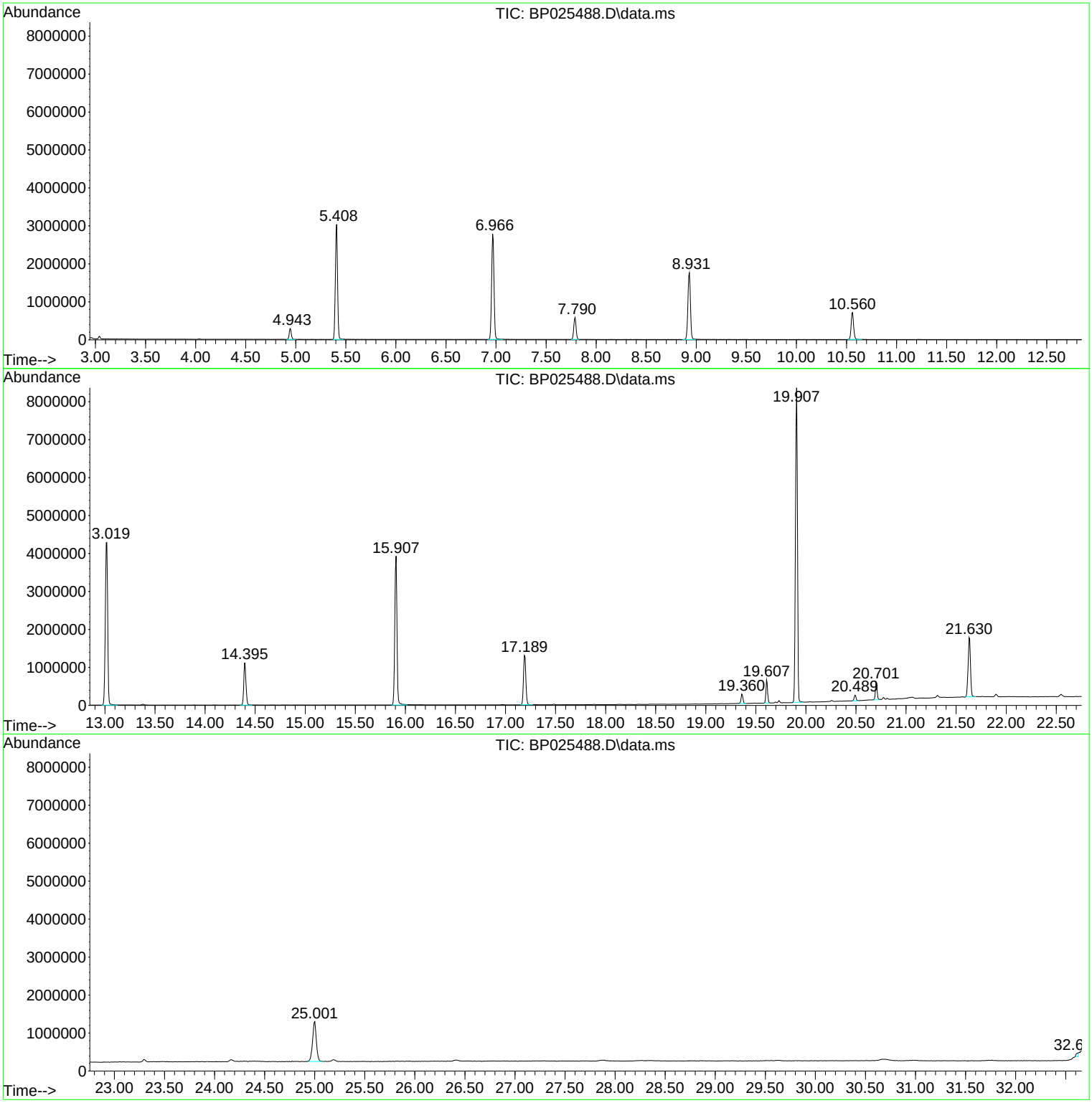
Sample Results: **BP025488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

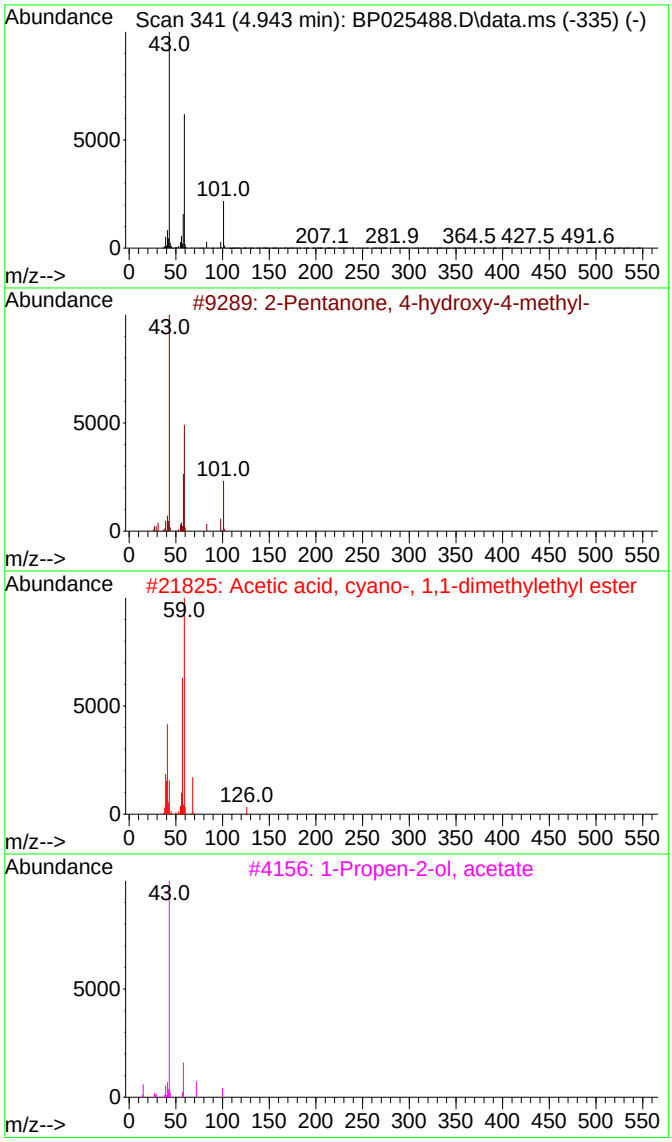
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

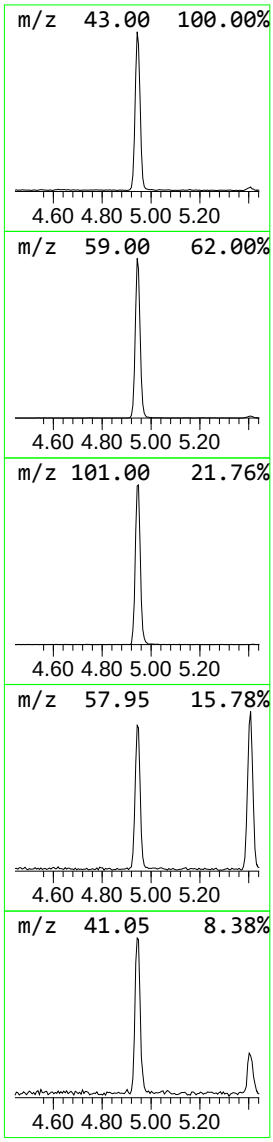
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.943	8.92 ng	409791	1,4-Dichlorobenzene-d4	7.790

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

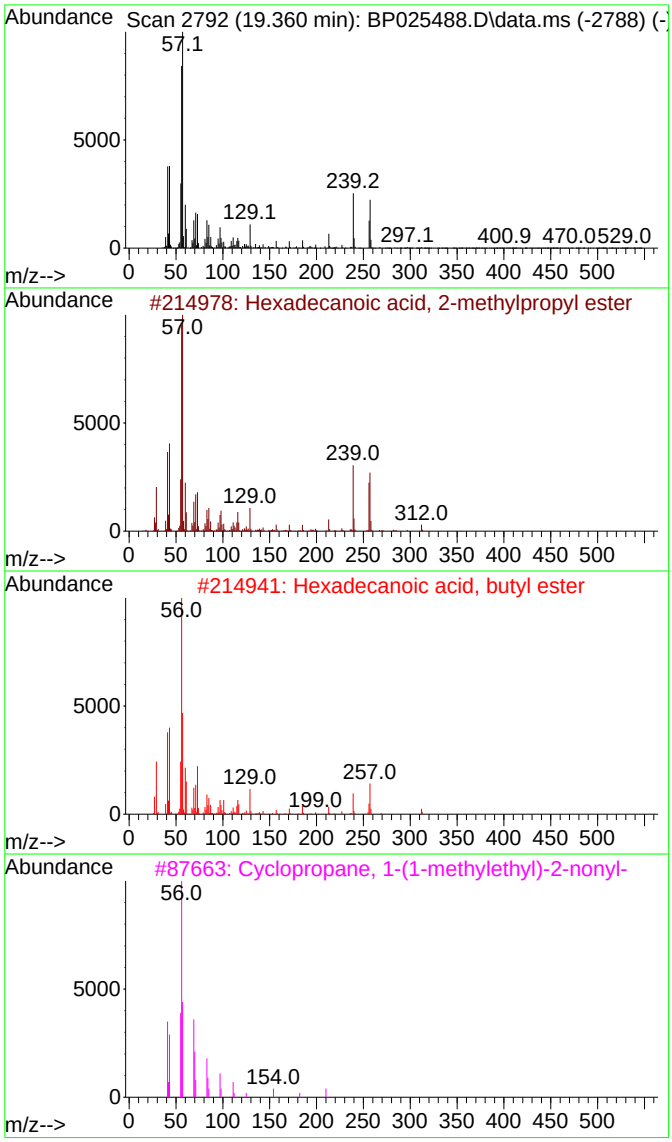
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

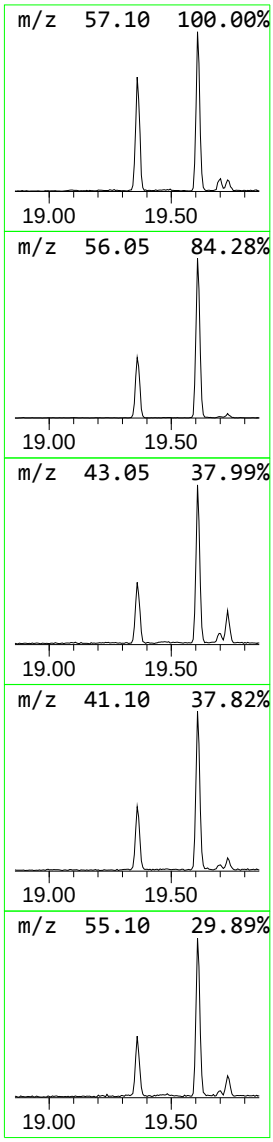
****

Peak Number 2 Hexadecanoic acid, 2-methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.360	2.91 ng	305894	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	90
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	72
3	Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	35
4	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	35
5	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

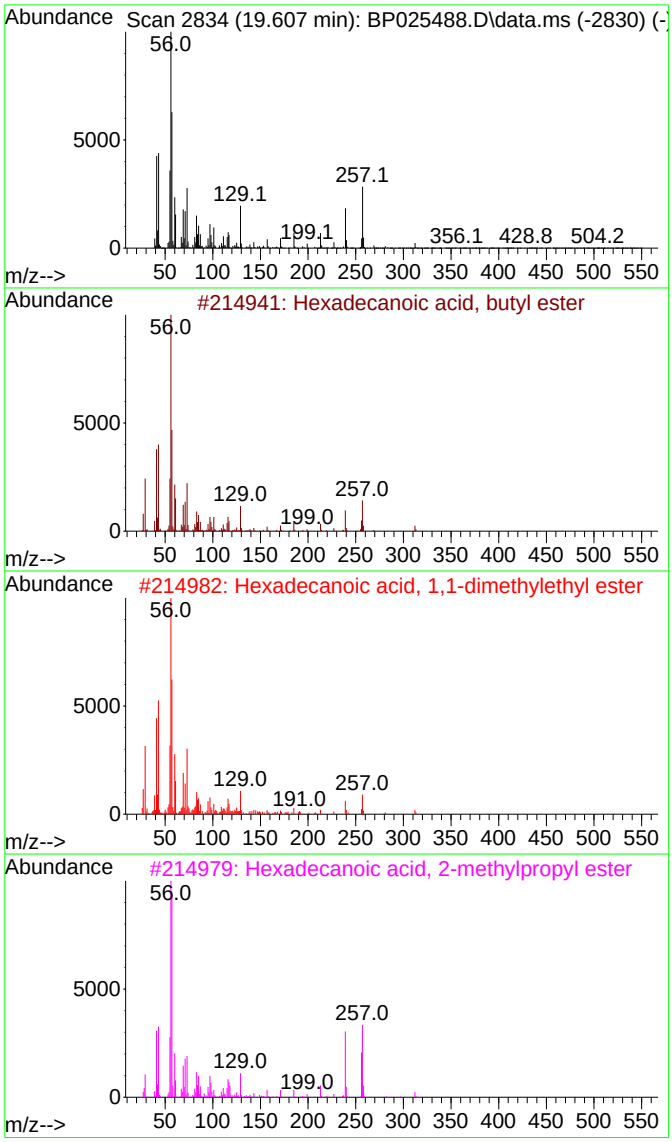
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

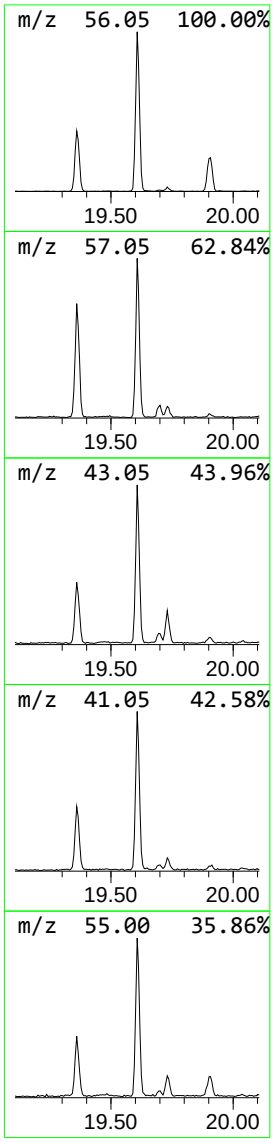
****

Peak Number 3 Hexadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.607	5.55 ng	693253	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	99
2	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	89
4	Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35
5	2-(Cyanomethoxy)tetrahydropyran	141	C7H11NO2	017521-49-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

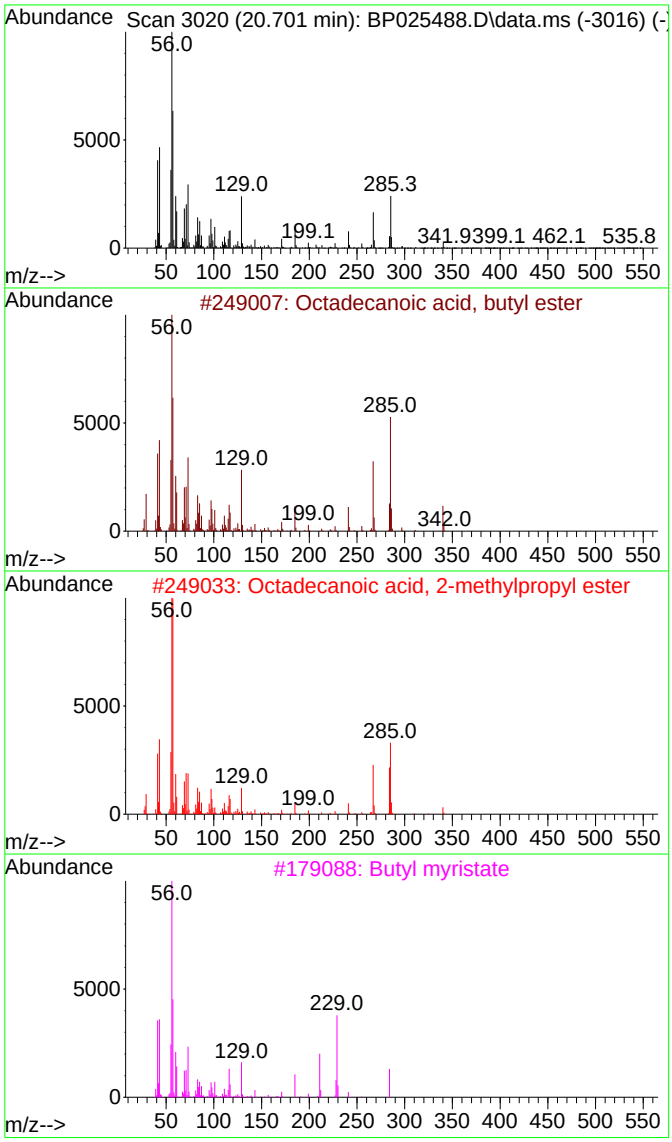
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

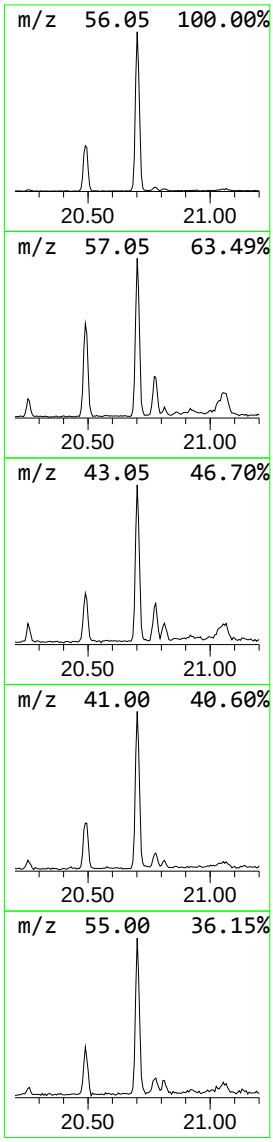
****

Peak Number 4 Octadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.701	4.35 ng	543781	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	99
2	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	89
3	Butyl myristate	284	C18H36O2	000110-36-1	53
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	27
5	3-Bromopropyl isocyanate	163	C4H6BrNO	056017-72-2	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025488.D
Acq On : 20 Aug 2025 00:27
Operator : CG/JU
Sample : PB169242BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.943	8.9	ng	409791	1	7.790	918577	20.0
Hexadecanoic ac...	19.360	2.9	ng	305894	4	17.189	2105930	20.0
Hexadecanoic ac...	19.607	5.5	ng	693253	5	21.630	2498140	20.0
Octadecanoic ac...	20.701	4.3	ng	543781	5	21.630	2498140	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169210BS			SDG No.:	Q2820
Lab Sample ID:	PB169210BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOC-TCL BNA -20
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1000		160	270	330	ug/Kg
108-95-2	Phenol	1700		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1700		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	130	170	ug/Kg
78-59-1	Isophorone	1500		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	1400		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169210BS	SDG No.:	Q2820
Lab Sample ID:	PB169210BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1500		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	130	170	ug/Kg
86-73-7	Fluorene	1500		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.3	270	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	130	170	ug/Kg
120-12-7	Anthracene	1600		33.3	130	170	ug/Kg
86-74-8	Carbazole	1600		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	130	170	ug/Kg
129-00-0	Pyrene	1600		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	130	170	ug/Kg
218-01-9	Chrysene	1600		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	130	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169210BS			SDG No.:	Q2820
Lab Sample ID:	PB169210BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025402.D	1	08/12/25 09:15	08/14/25 20:10	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1400		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	136		35 - 115		91%	SPK: 150
13127-88-3	Phenol-d6	138		34 - 127		92%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.6		37 - 122		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.7		44 - 115		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		39 - 132		92%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		54 - 127		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	156000	7.79				
1146-65-2	Naphthalene-d8	651000	10.56				
15067-26-2	Acenaphthene-d10	436000	14.413				
1517-22-2	Phenanthrene-d10	896000	17.201				
1719-03-5	Chrysene-d12	938000	21.648				
1520-96-3	Perylene-d12	1020000	25.018				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	156059	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	650560	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	435539	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	895607	20.000	ng	0.00
76) Chrysene-d12	21.648	240	937531	20.000	ng	0.00
86) Perylene-d12	25.018	264	1016818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1280798	136.296	ng	0.00
7) Phenol-d6	6.972	99	1664968	138.195	ng	0.00
23) Nitrobenzene-d5	8.937	82	1023164	79.558	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	807504	137.743	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2538853	79.667	ng	0.00
79) Terphenyl-d14	19.942	244	4256352	83.062	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	150326	40.840	ng	99
3) Pyridine	3.725	79	377128	37.433	ng	98
4) n-Nitrosodimethylamine	3.631	42	183326	44.137	ng	97
6) Aniline	7.125	93	680651	41.931	ng	98
8) 2-Chlorophenol	7.366	128	518221	48.869	ng	99
9) Benzaldehyde	6.937	77	256830	30.427	ng	98
10) Phenol	6.996	94	629374	49.784	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	437105	44.360	ng	100
12) 1,3-Dichlorobenzene	7.684	146	509681	43.589	ng	100
13) 1,4-Dichlorobenzene	7.825	146	520662	43.564	ng	99
14) 1,2-Dichlorobenzene	8.143	146	502978	43.476	ng	97
15) Benzyl Alcohol	8.025	79	446566	46.649	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	580366	43.968	ng	98
17) 2-Methylphenol	8.225	107	435851	49.640	ng	99
18) Hexachloroethane	8.866	117	192819	43.879	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	349179	43.755	ng	97
20) 3+4-Methylphenols	8.549	107	601995	49.463	ng	98
22) Acetophenone	8.602	105	715431	43.852	ng	99
24) Nitrobenzene	8.978	77	512825	44.618	ng	99
25) Isophorone	9.502	82	1003541	44.092	ng	99
26) 2-Nitrophenol	9.678	139	274616	46.556	ng	99
27) 2,4-Dimethylphenol	9.743	122	502601	49.547	ng	99
28) bis(2-Chloroethoxy)met...	9.978	93	622573	45.252	ng	98
29) 2,4-Dichlorophenol	10.213	162	505992	50.213	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	484724	43.881	ng	99
31) Naphthalene	10.613	128	1505392	44.521	ng	99
32) Benzoic acid	9.884	122	383103	51.155	ng	97
33) 4-Chloroaniline	10.713	127	624236	41.794	ng	99
34) Hexachlorobutadiene	10.901	225	298042	43.323	ng	98
35) Caprolactam	11.496	113	181569	49.139	ng	99
36) 4-Chloro-3-methylphenol	11.831	107	582706	50.394	ng	98
37) 2-Methylnaphthalene	12.219	142	1004265	45.639	ng	99
38) 1-Methylnaphthalene	12.443	142	1051392	44.929	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	564099	44.845	ng	99
41) Hexachlorocyclopentadiene	12.578	237	716635	94.317	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	420901	49.564	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	468666	50.356	ng	98
46) 1,1'-Biphenyl	13.231	154	1476847	46.689	ng	100
47) 2-Chloronaphthalene	13.272	162	1146132	46.544	ng	99
48) 2-Nitroaniline	13.472	65	355089	49.489	ng	96
49) Acenaphthylene	14.131	152	1910326	46.883	ng	100
50) Dimethylphthalate	13.860	163	1540919	48.314	ng	99
51) 2,6-Dinitrotoluene	13.978	165	335519	49.911	ng	98
52) Acenaphthene	14.478	154	1132105	47.334	ng	100
53) 3-Nitroaniline	14.307	138	331713	43.858	ng	97
54) 2,4-Dinitrophenol	14.513	184	401585	111.865	ng	97
55) Dibenzofuran	14.813	168	1757203	46.470	ng	100
56) 4-Nitrophenol	14.625	139	648186	104.294	ng	98
57) 2,4-Dinitrotoluene	14.766	165	491249	51.219	ng	100
58) Fluorene	15.472	166	1388189	46.525	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.042	232	408762	49.740	ng	99
60) Diethylphthalate	15.248	149	1563135	48.233	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	683735	46.075	ng	98
62) 4-Nitroaniline	15.489	138	380486	49.072	ng	99
63) Azobenzene	15.772	77	1343333	48.409	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	277954	49.788	ng	95
66) n-Nitrosodiphenylamine	15.689	169	1290834	47.265	ng	99
67) 4-Bromophenyl-phenylether	16.384	248	460600	46.761	ng	96
68) Hexachlorobenzene	16.501	284	531682	46.564	ng	98
69) Atrazine	16.660	200	492822	48.184	ng	97
70) Pentachlorophenol	16.848	266	700841	97.234	ng	99
71) Phenanthrene	17.248	178	2335980	47.481	ng	100
72) Anthracene	17.348	178	2338590	46.547	ng	99
73) Carbazole	17.619	167	2254500	47.640	ng	99
74) Di-n-butylphthalate	18.219	149	2850461	48.957	ng	100
75) Fluoranthene	19.336	202	2769236	47.188	ng	99
77) Benzidine	19.525	184	2034719	63.593	ng	99
78) Pyrene	19.713	202	2848697	46.748	ng	99
80) Butylbenzylphthalate	20.666	149	1350312	48.894	ng	99
81) Benzo(a)anthracene	21.630	228	2905027	46.984	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	936735	40.194	ng	99
83) Chrysene	21.695	228	2733737	47.211	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1973001	48.532	ng	100
85) Di-n-octyl phthalate	22.877	149	3308927	47.320	ng	100
87) Indeno(1,2,3-cd)pyrene	28.848	276	3596116m	48.225	ng	
88) Benzo(b)fluoranthene	23.971	252	2918542	48.676	ng	99
89) Benzo(k)fluoranthene	24.042	252	2967349	49.456	ng	100
90) Benzo(a)pyrene	24.871	252	2854031	48.899	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	2946612	48.354	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2879368	48.068	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED

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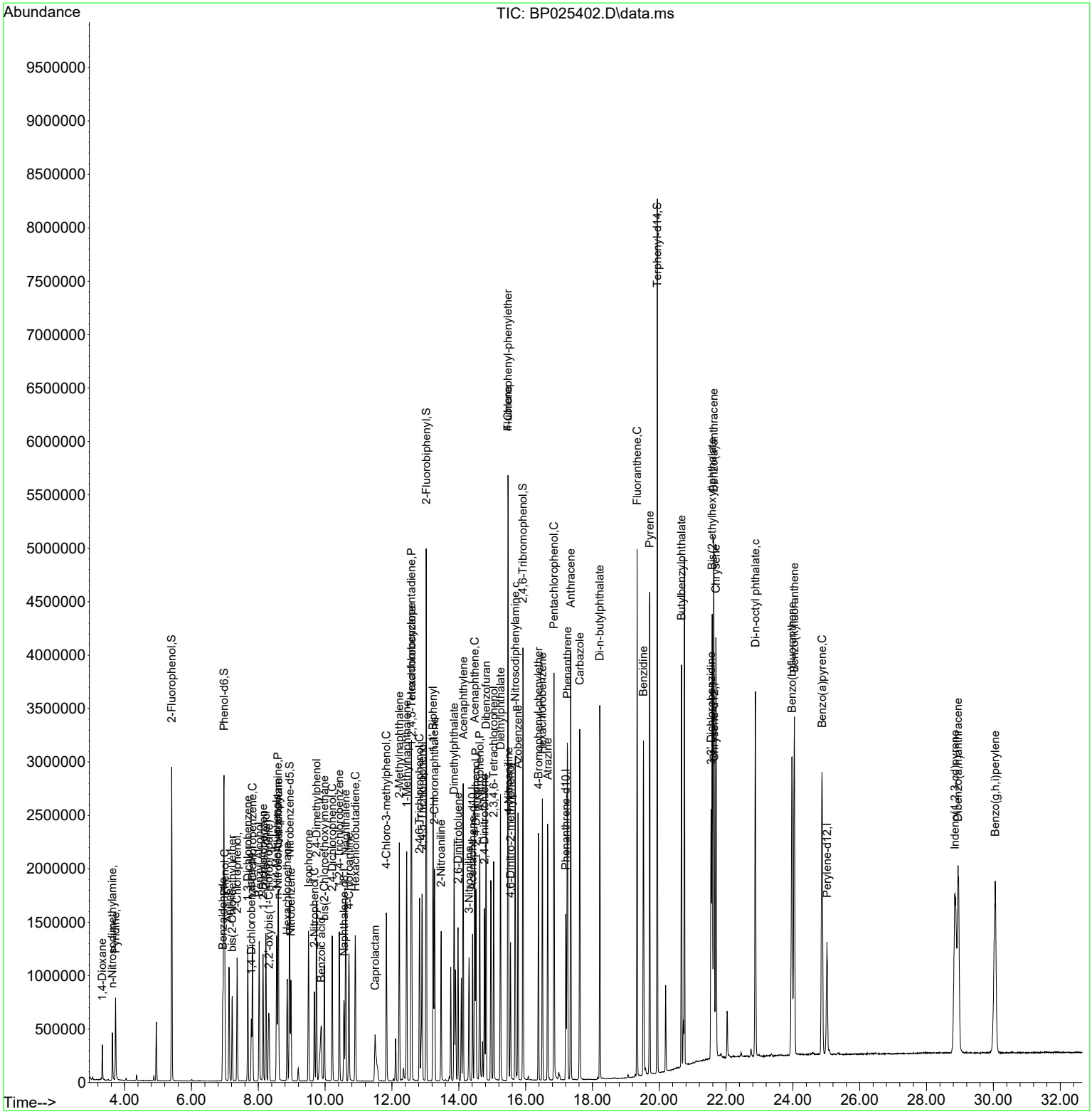
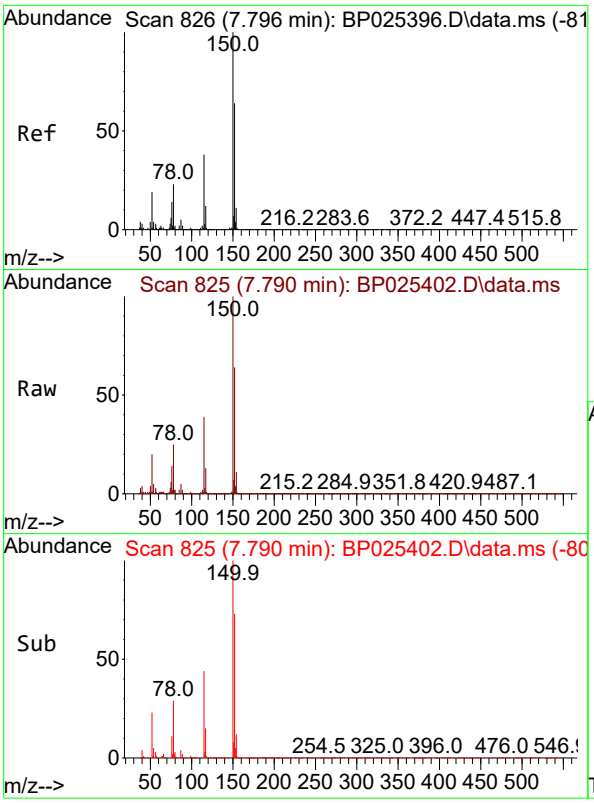
Supervised By :Jagrut Upadhyay 08/15/2025

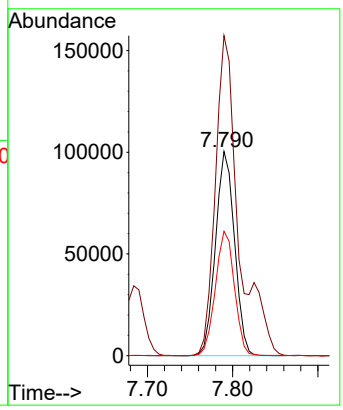




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:152 Resp: 15605

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.9	188.9
115	60.9	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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Reviewed By :Rahul Chavli 08/15/2025
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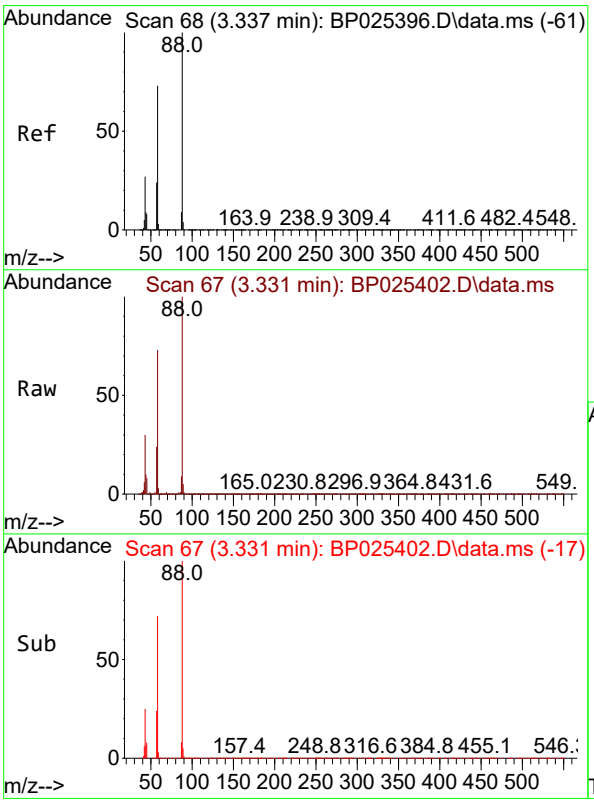
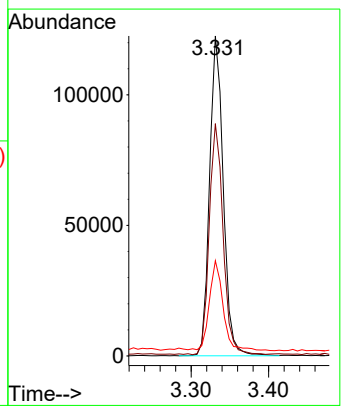
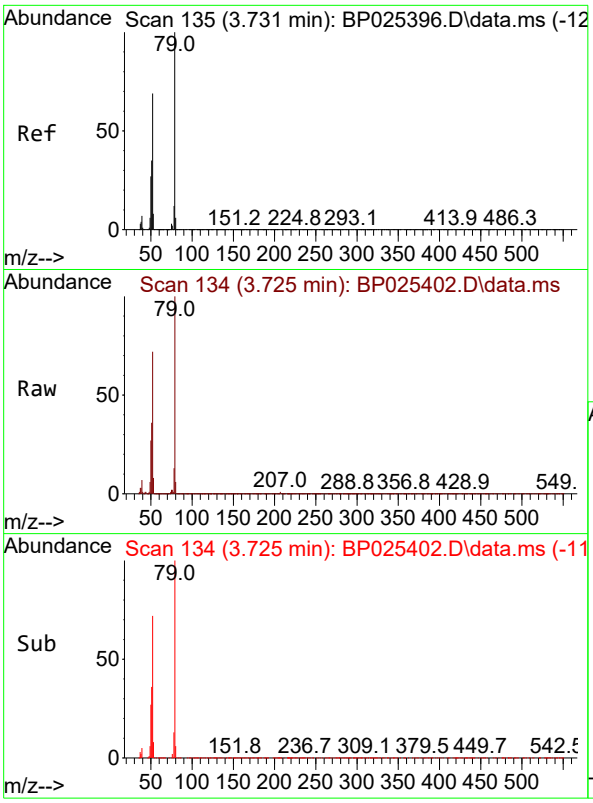


#2
1,4-Dioxane
Concen: 40.840 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 88 Resp: 150326

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	28.2	21.7	32.5

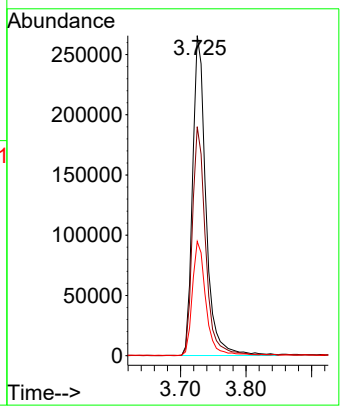




#3
Pyridine
Concen: 37.433 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 79 Resp: 37712

Ion	Ratio	Lower	Upper
79	100		
52	71.5	55.5	83.3
51	35.7	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations
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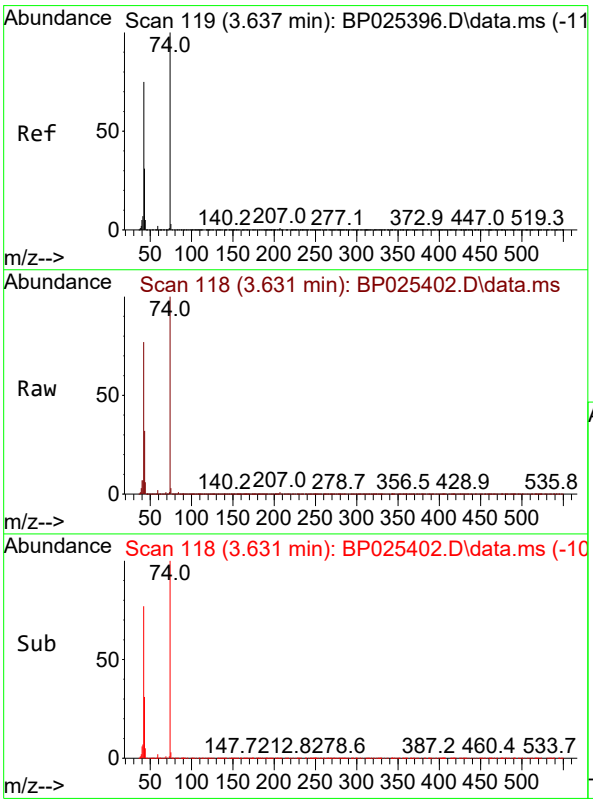
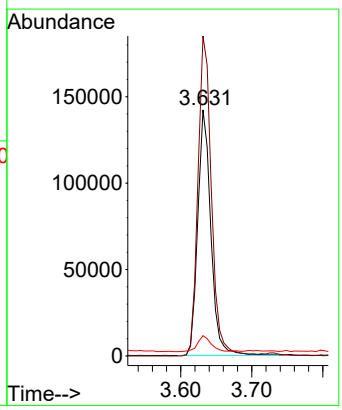
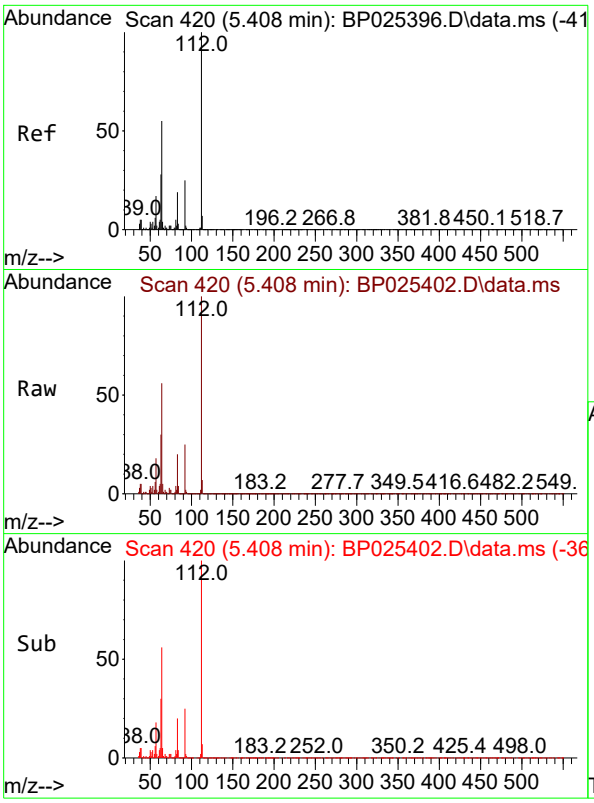


#4
n-Nitrosodimethylamine
Concen: 44.137 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 42 Resp: 183326

Ion	Ratio	Lower	Upper
42	100		
74	130.0	107.0	160.4
44	8.3	6.2	9.4

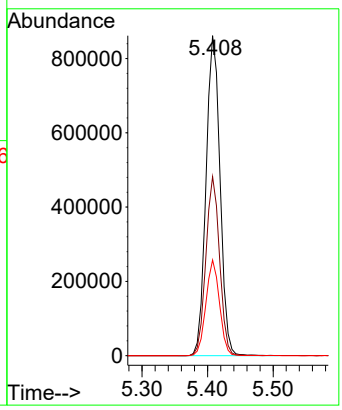




#5
2-Fluorophenol
Concen: 136.296 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:112 Resp: 128079

Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.8	65.8
63	29.9	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
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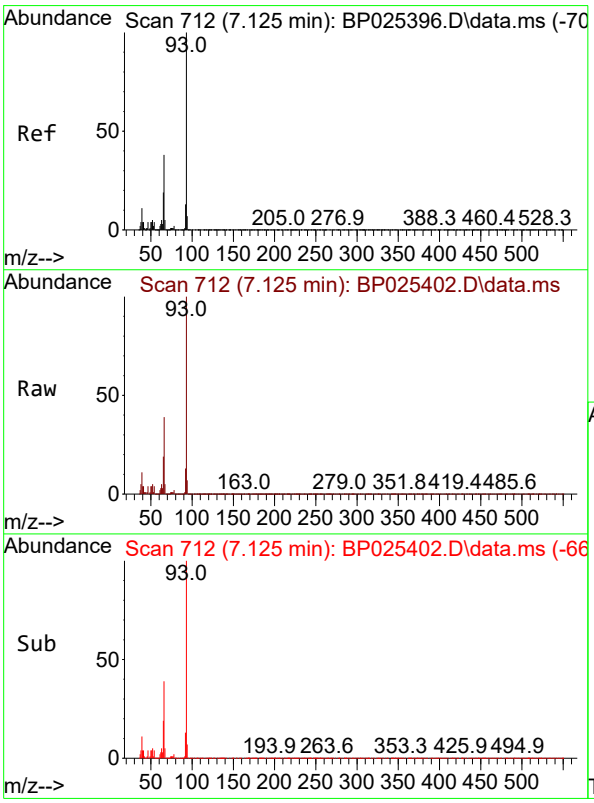
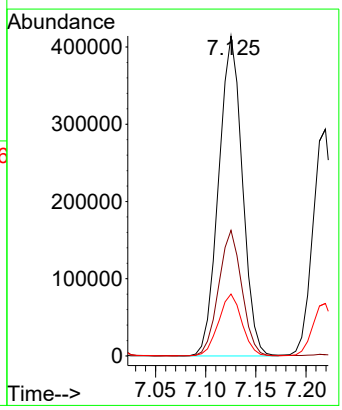
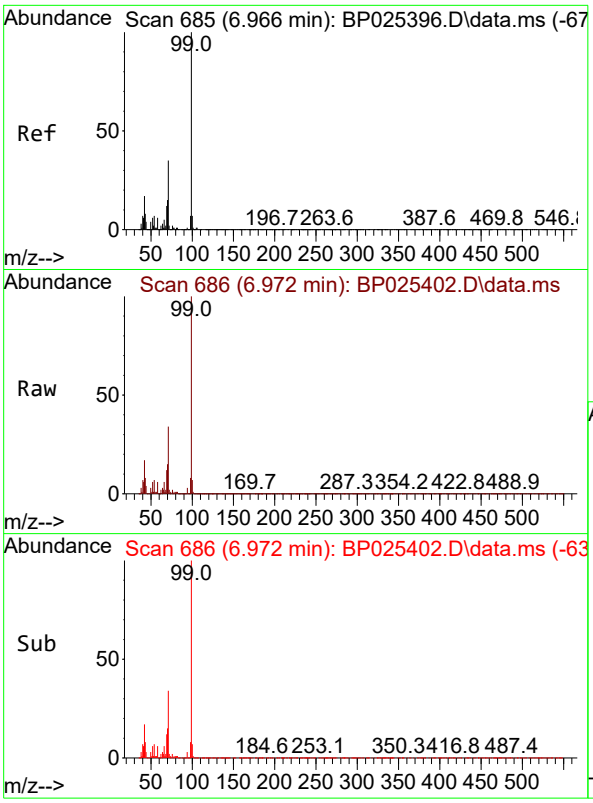


#6
Aniline
Concen: 41.931 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 93 Resp: 680651

Ion	Ratio	Lower	Upper
93	100		
66	39.2	30.4	45.6
65	19.4	15.3	22.9

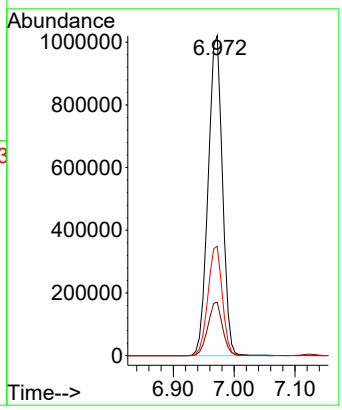




#7
Phenol-d6
Concen: 138.195 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 99 Resp: 166496

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	34.1	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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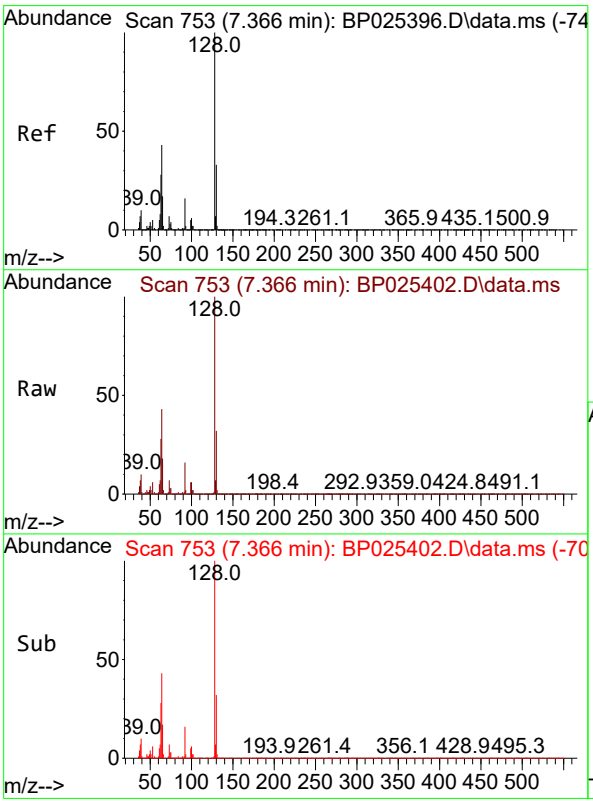
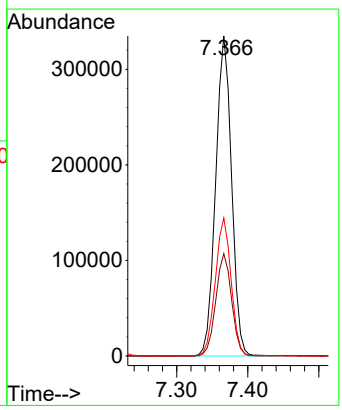
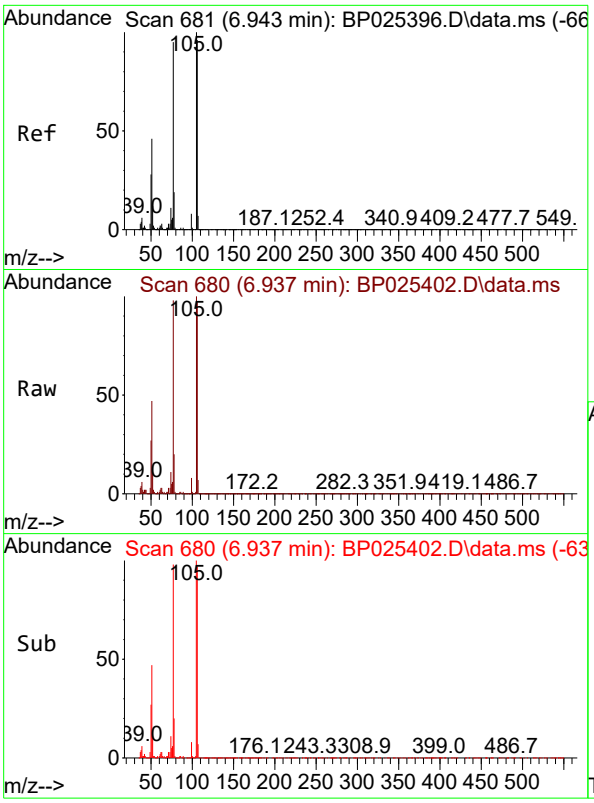


#8
2-Chlorophenol
Concen: 48.869 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:128 Resp: 518221

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	43.1	23.4	63.4

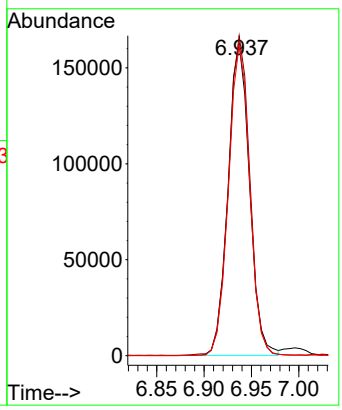




#9
Benzaldehyde
Concen: 30.427 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 77 Resp: 25683

Ion	Ratio	Lower	Upper
77	100		
105	102.4	84.8	124.8
106	99.4	80.5	120.5



Instrument :
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ClientSampleId :
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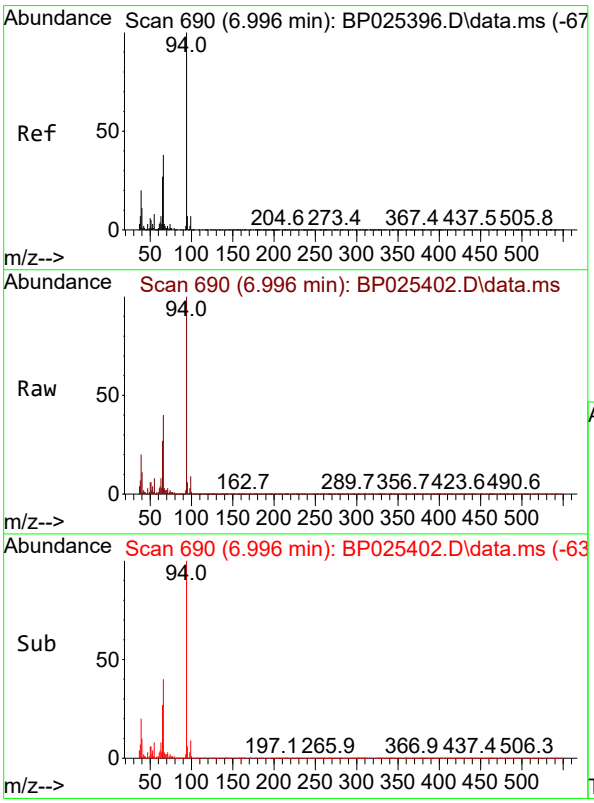
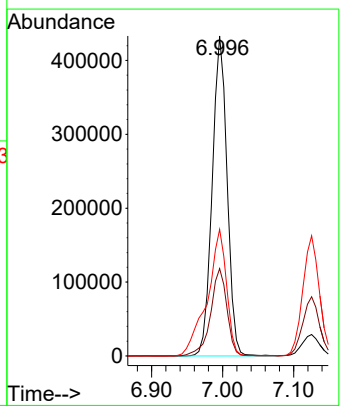
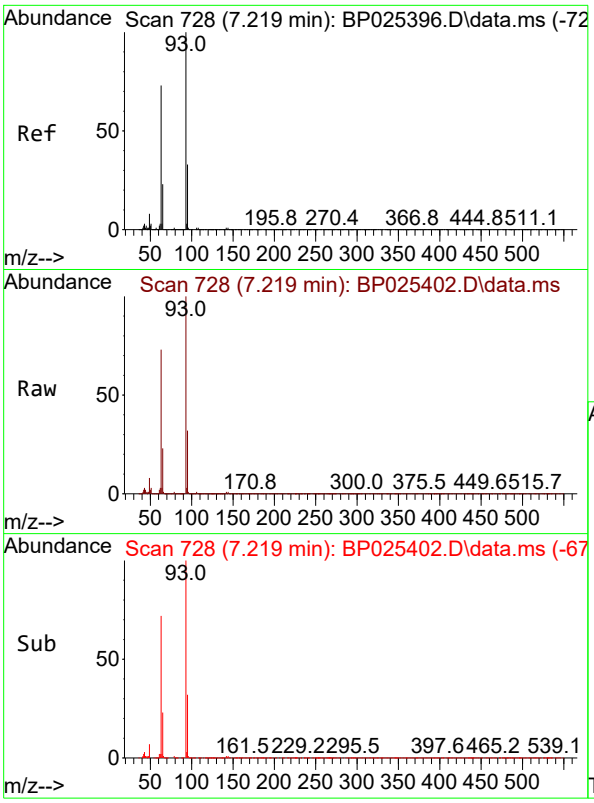


#10
Phenol
Concen: 49.784 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 94 Resp: 629374

Ion	Ratio	Lower	Upper
94	100		
65	27.3	6.8	46.8
66	39.6	18.2	58.2

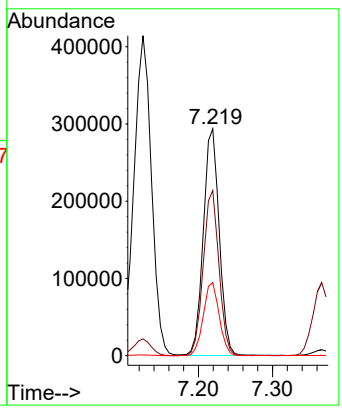




#11
bis(2-Chloroethyl)ether
Concen: 44.360 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 93 Resp: 43710

Ion	Ratio	Lower	Upper
93	100		
63	72.8	52.6	92.6
95	32.2	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
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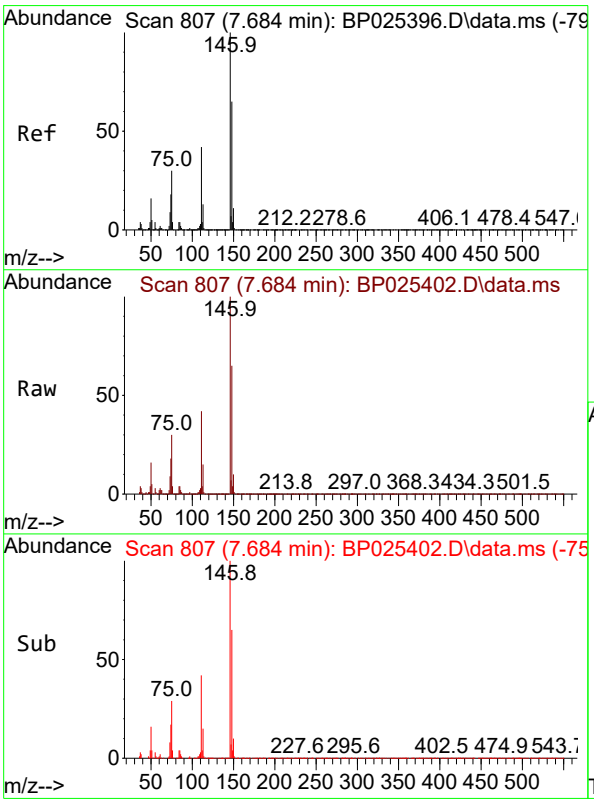
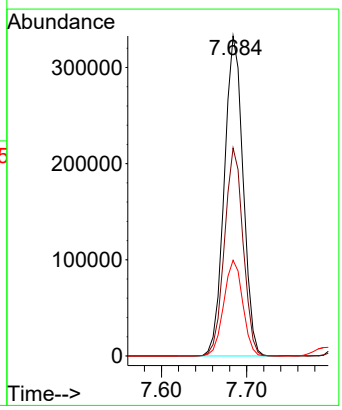
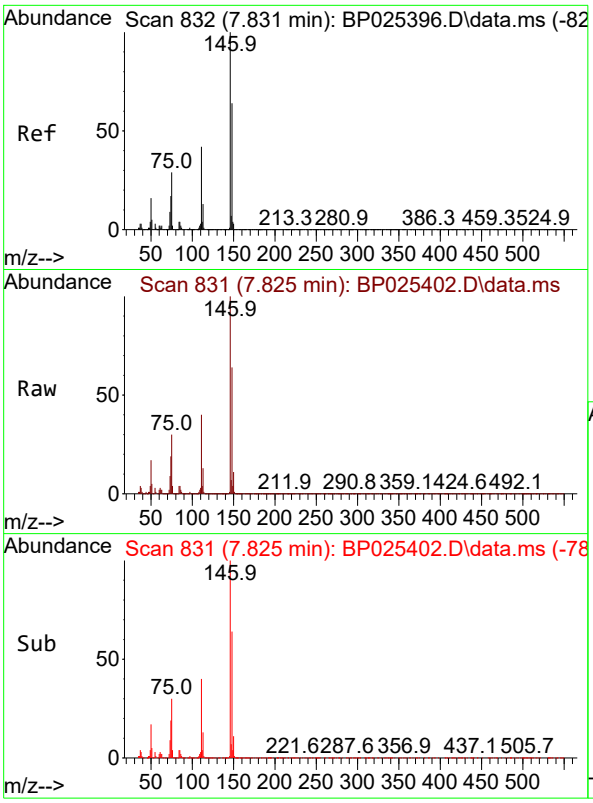


#12
1,3-Dichlorobenzene
Concen: 43.589 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:146 Resp: 509681

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	29.9	23.7	35.5





#13
1,4-Dichlorobenzene
Concen: 43.564 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:146 Resp: 52066

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
111	40.2	33.4	50.0

Instrument :
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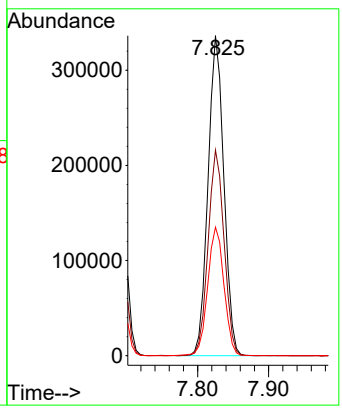
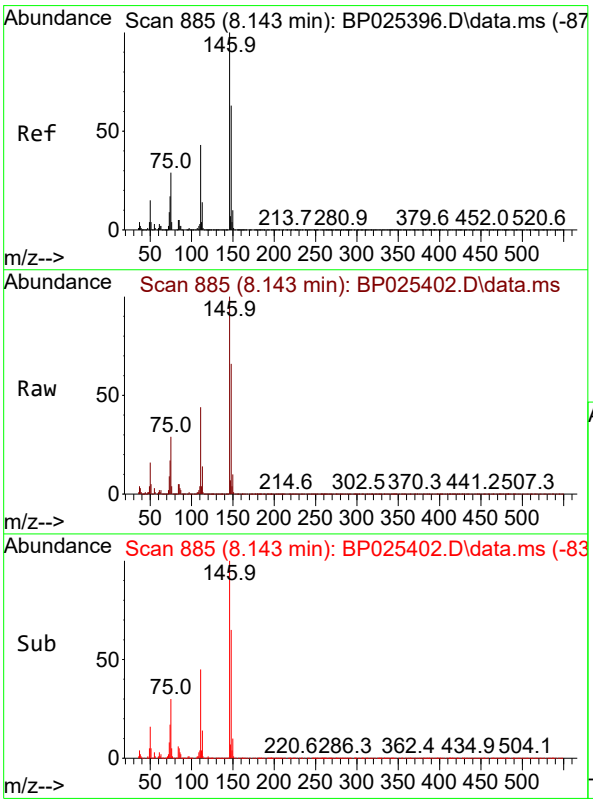
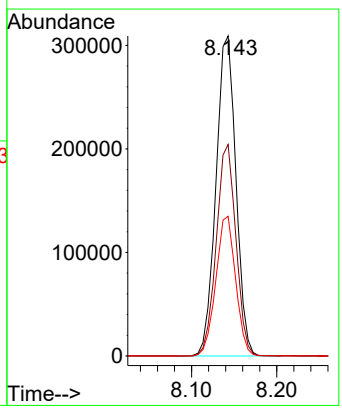


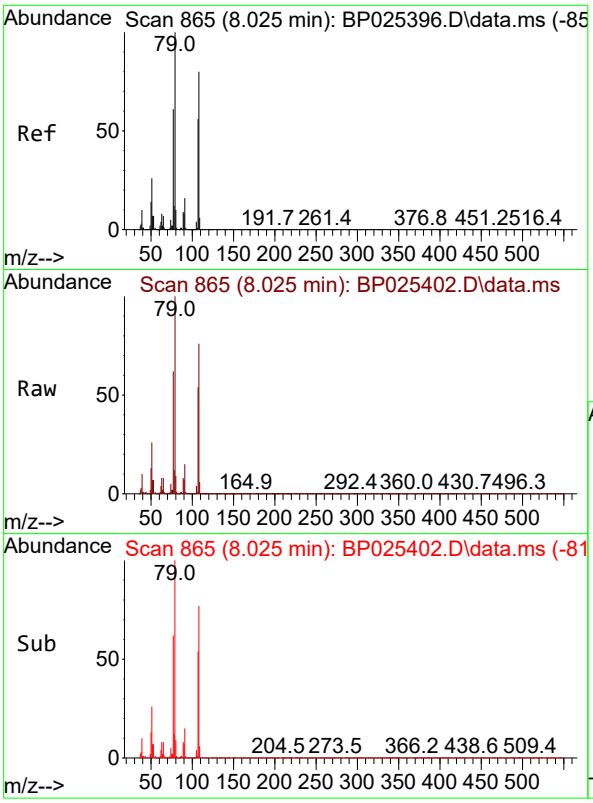


#14
1,2-Dichlorobenzene
Concen: 43.476 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:146 Resp: 502978

Ion	Ratio	Lower	Upper
146	100		
148	66.1	50.4	75.6
111	43.6	34.5	51.7

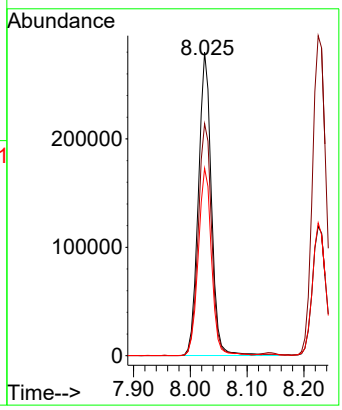




#15
Benzyl Alcohol
Concen: 46.649 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 79 Resp: 44656

Ion	Ratio	Lower	Upper
79	100		
108	76.5	63.8	95.6
77	61.7	49.0	73.4



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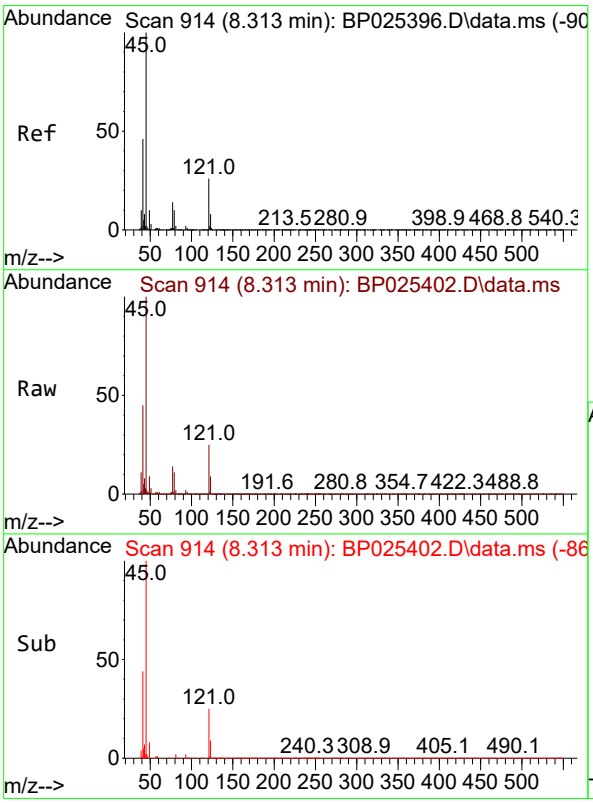
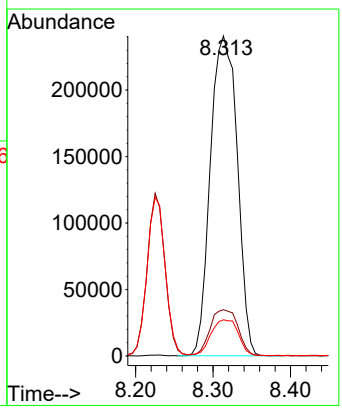
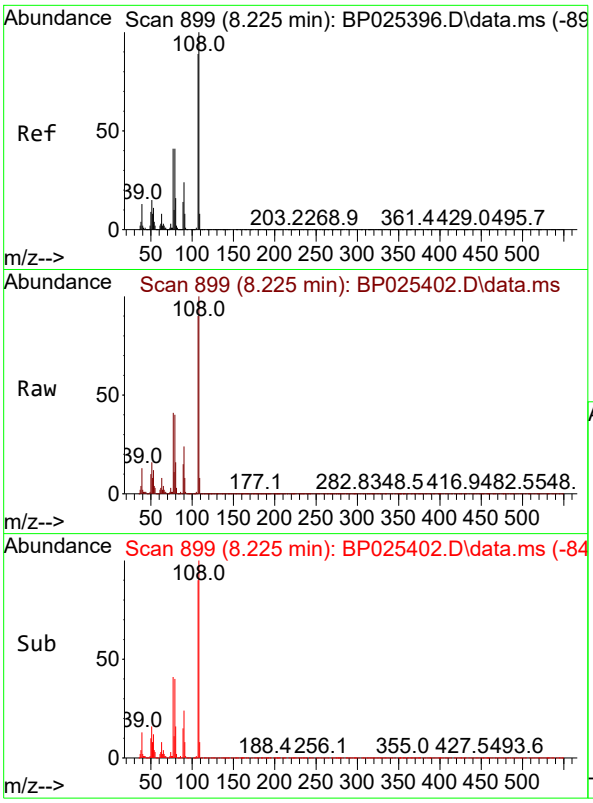


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.968 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 45 Resp: 580366

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	35.3
79	11.3	0.0	31.8

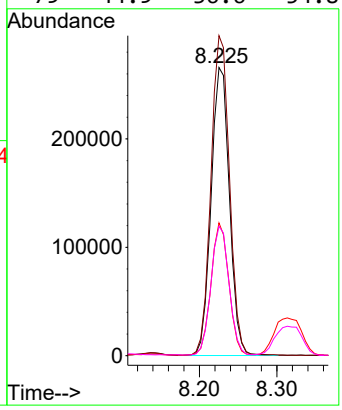




#17
2-Methylphenol
Concen: 49.640 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:107 Resp: 43585

Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.4	134.0
77	46.1	36.3	54.5
79	44.9	36.6	54.8



Instrument :
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ClientSampleId :
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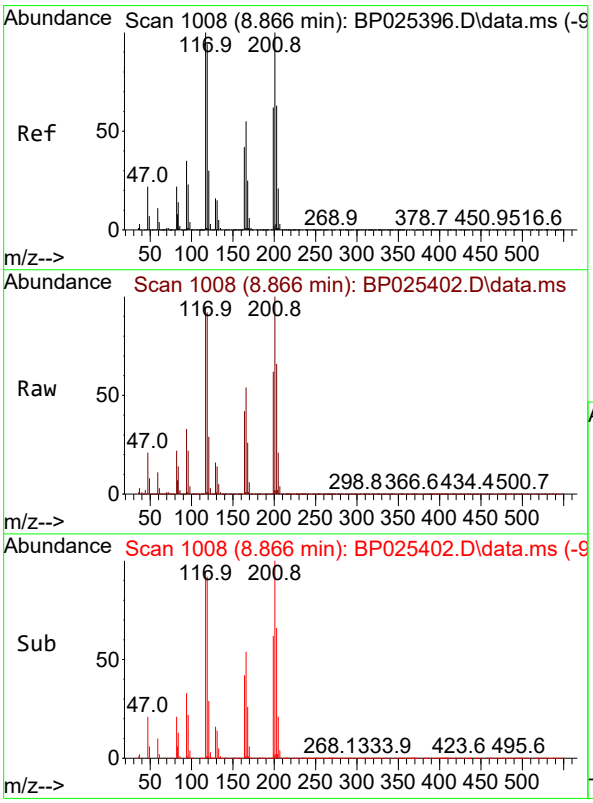
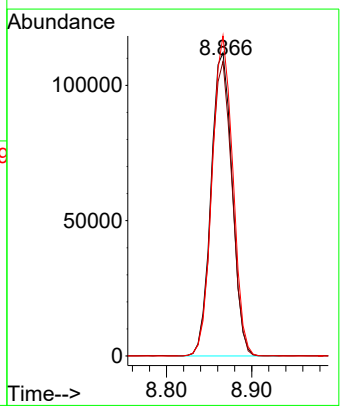
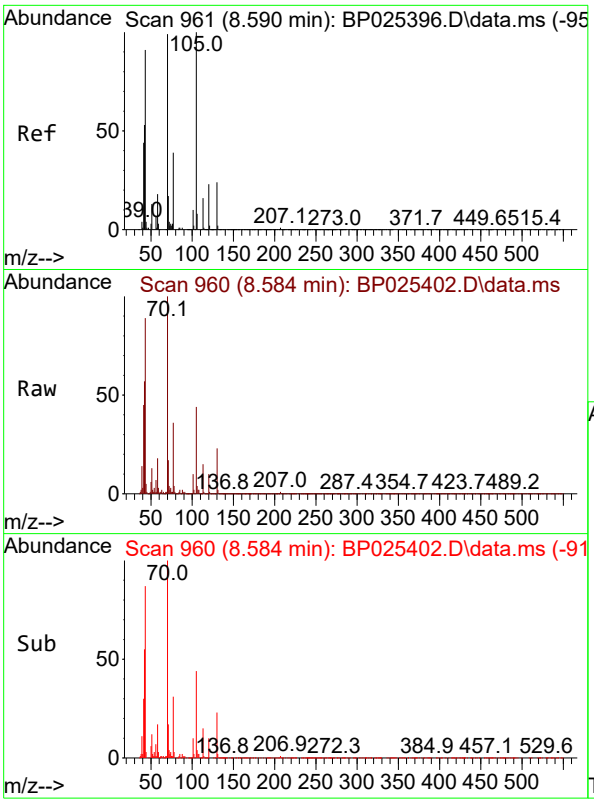


#18
Hexachloroethane
Concen: 43.879 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:117 Resp: 192819

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.1	112.7
201	105.6	80.1	120.1

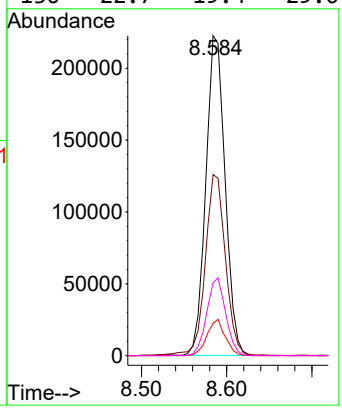




#19
n-Nitroso-di-n-propylamine
Concen: 43.755 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 70 Resp: 34917

Ion	Ratio	Lower	Upper
70	100		
42	56.6	43.8	65.6
101	10.1	8.5	12.7
130	22.7	19.4	29.0



Instrument :
BNA_P
ClientSampleId :
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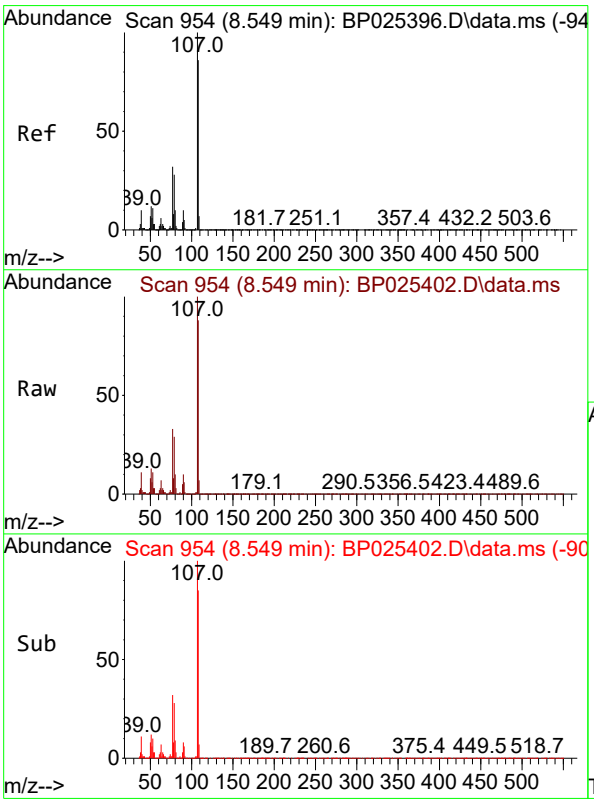
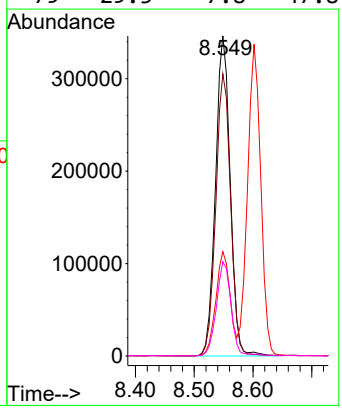
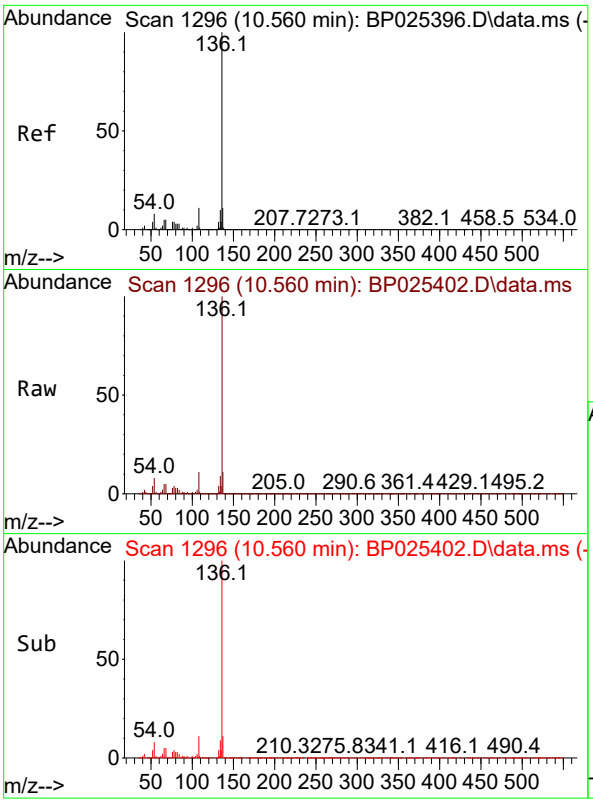


#20
3+4-Methylphenols
Concen: 49.463 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:107 Resp: 601995

Ion	Ratio	Lower	Upper
107	100		
108	88.2	66.3	106.3
77	32.6	12.3	52.3
79	29.5	7.8	47.8

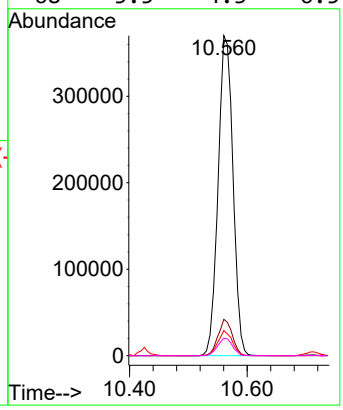




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:136 Resp: 65056

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5



Instrument :
BNA_P
ClientSampleId :
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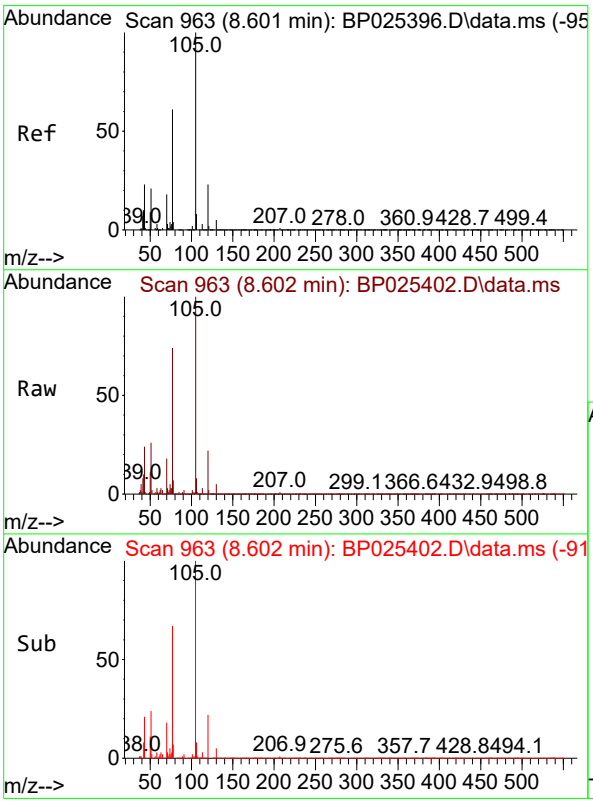
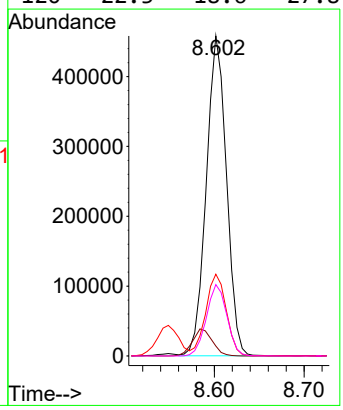
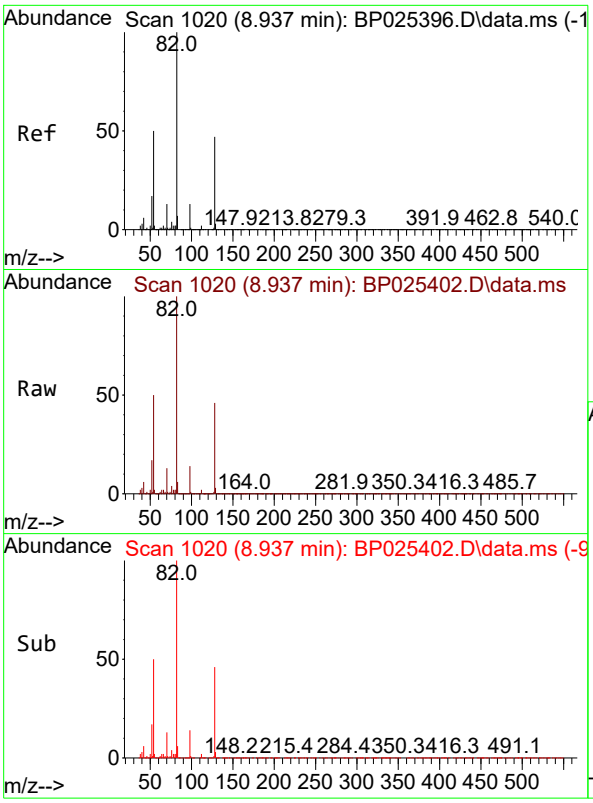


#22
Acetophenone
Concen: 43.852 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:105 Resp: 715431

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	25.5	20.6	30.8
120	22.3	18.6	27.8

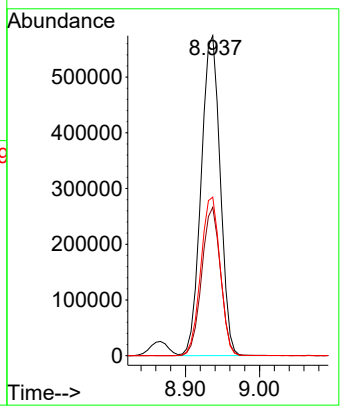




#23
Nitrobenzene-d5
Concen: 79.558 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 82 Resp: 102316

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	49.6	39.8	59.6



Instrument :
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ClientSampleId :
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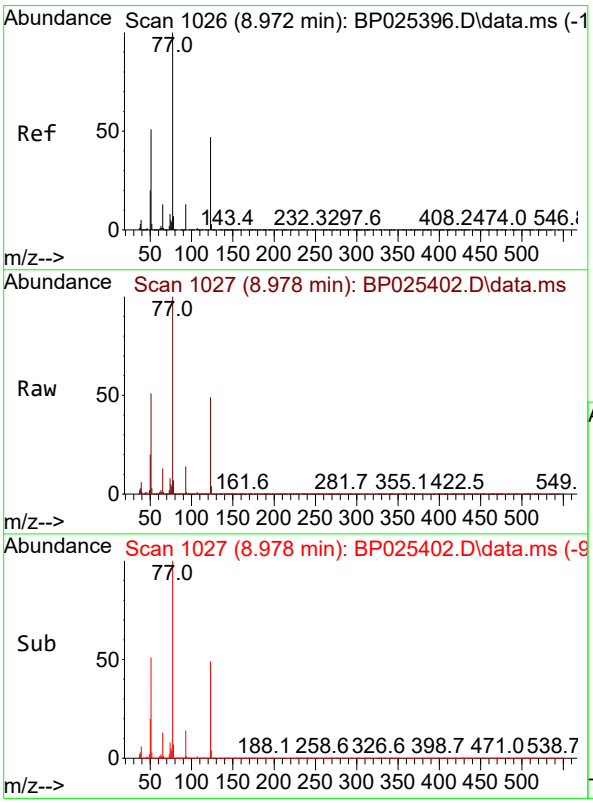
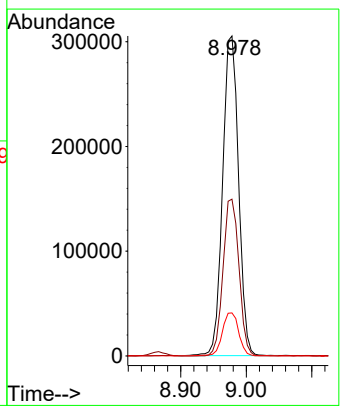
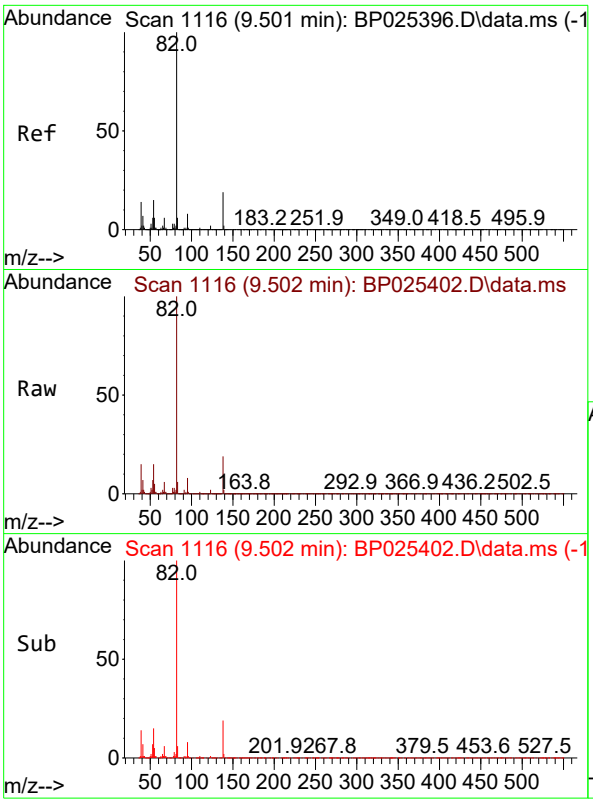


#24
Nitrobenzene
Concen: 44.618 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 77 Resp: 512825

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	58.0
65	13.5	10.6	15.8

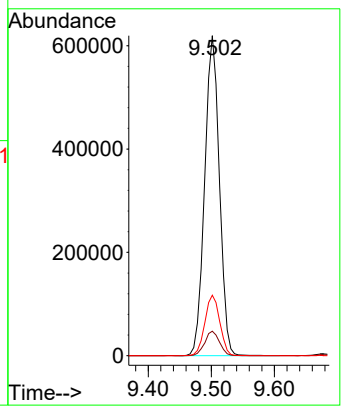




#25
Isophorone
Concen: 44.092 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 82 Resp: 100354

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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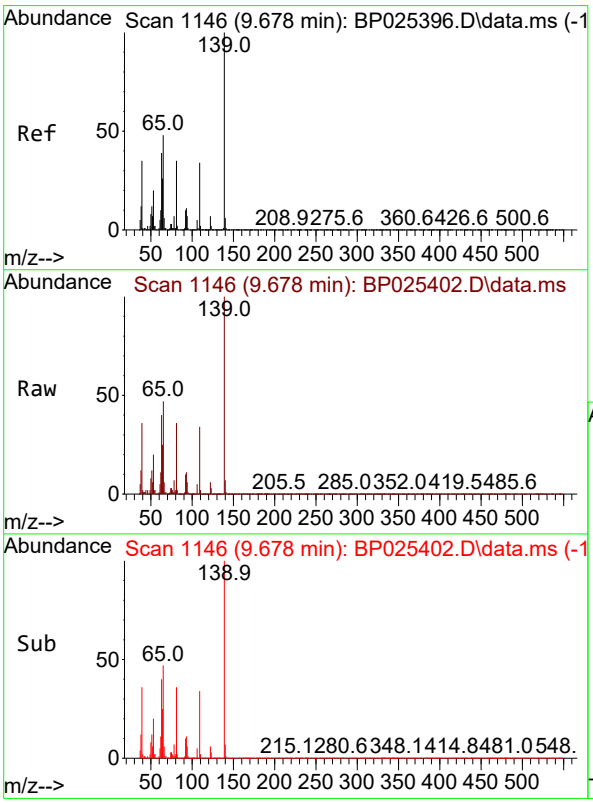
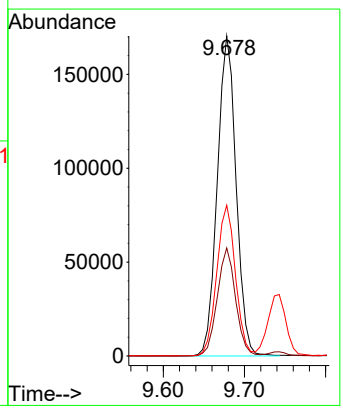
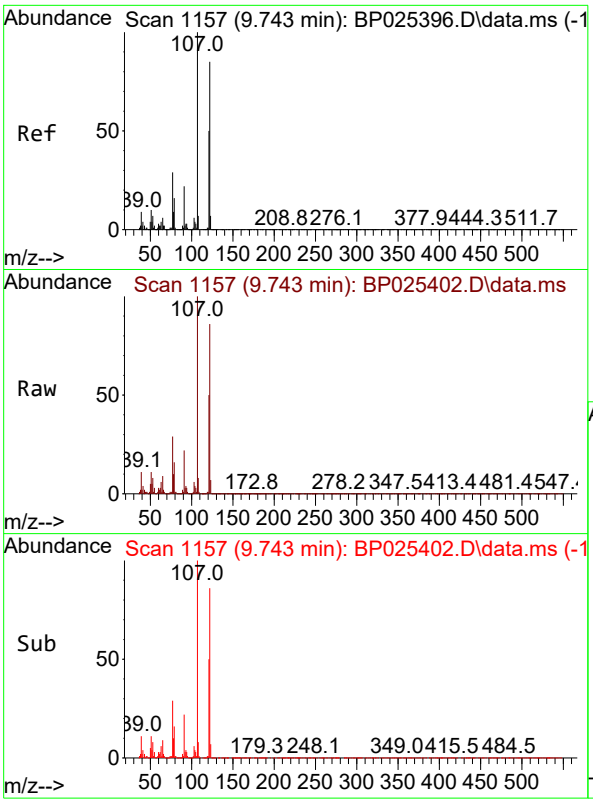


#26
2-Nitrophenol
Concen: 46.556 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:139 Resp: 274616

Ion	Ratio	Lower	Upper
139	100		
109	33.7	26.9	40.3
65	47.1	38.3	57.5





#27
2,4-Dimethylphenol
Concen: 49.547 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:122 Resp: 50260

Ion	Ratio	Lower	Upper
122	100		
107	115.8	93.7	140.5
121	57.7	46.6	69.8

Instrument :
BNA_P
ClientSampleId :
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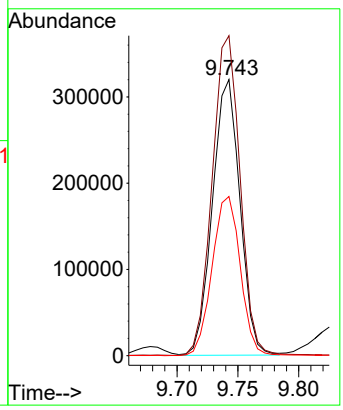
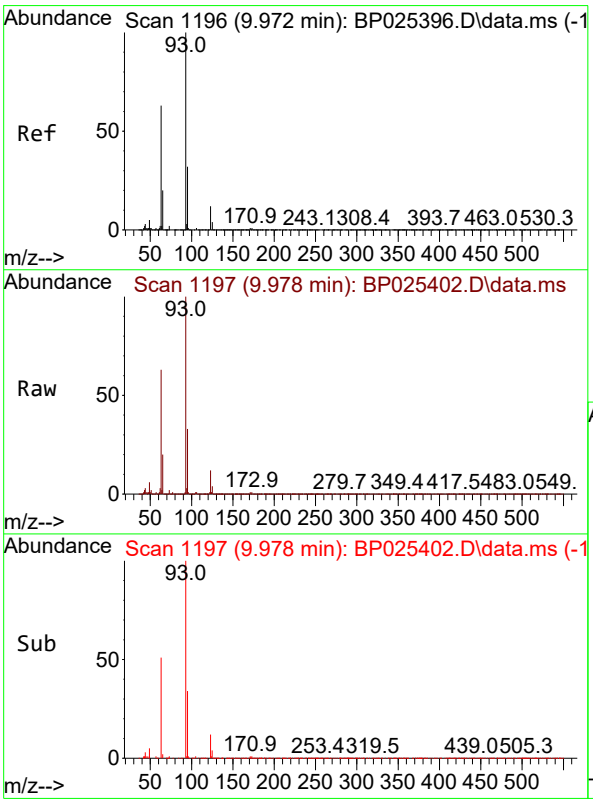
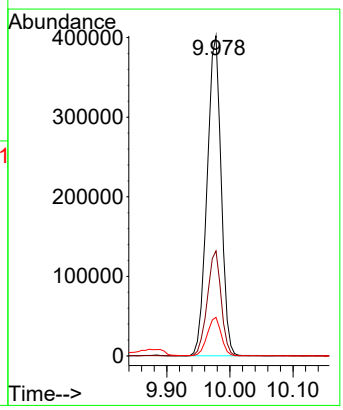


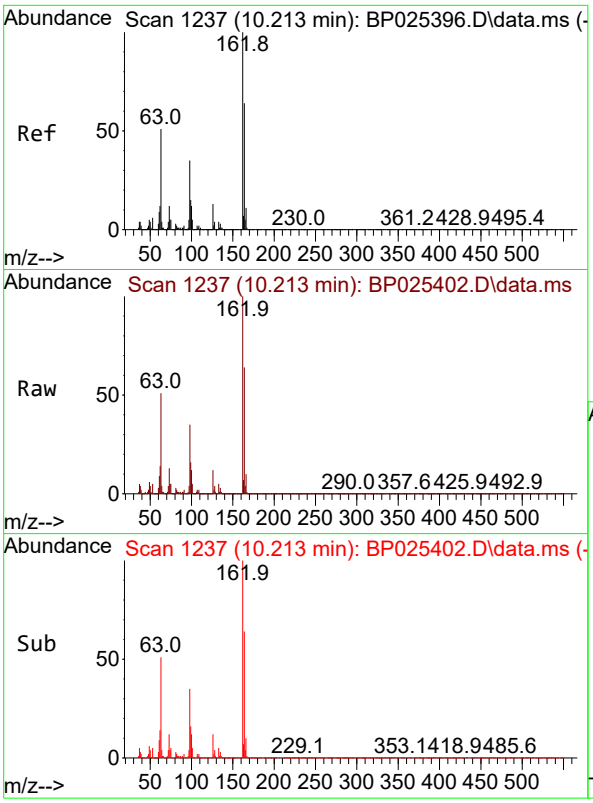


#28
bis(2-Chloroethoxy)methane
Concen: 45.252 ng
RT: 9.978 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 93 Resp: 622573

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.0
123	12.1	9.4	14.0

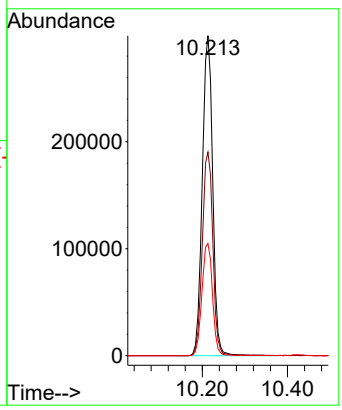




#29
2,4-Dichlorophenol
Concen: 50.213 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:162 Resp: 50599

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.4	84.4
98	35.0	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
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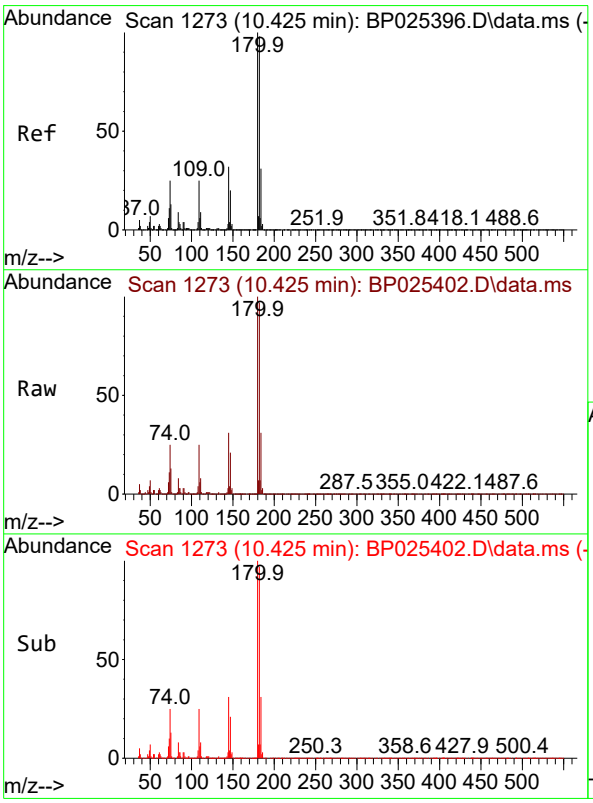
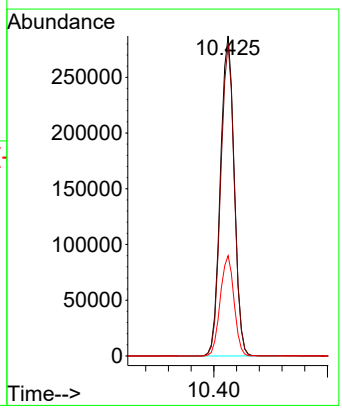
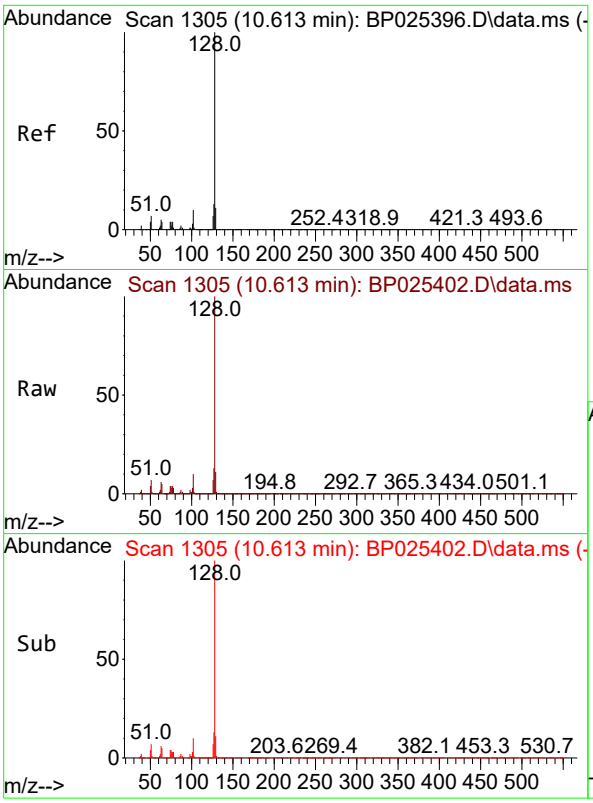


#30
1,2,4-Trichlorobenzene
Concen: 43.881 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:180 Resp: 484724

Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.0	117.0
145	31.4	25.9	38.9

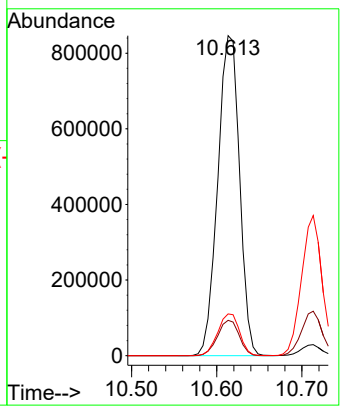




#31
Naphthalene
Concen: 44.521 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:128 Resp: 150539

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.1	10.7	16.1



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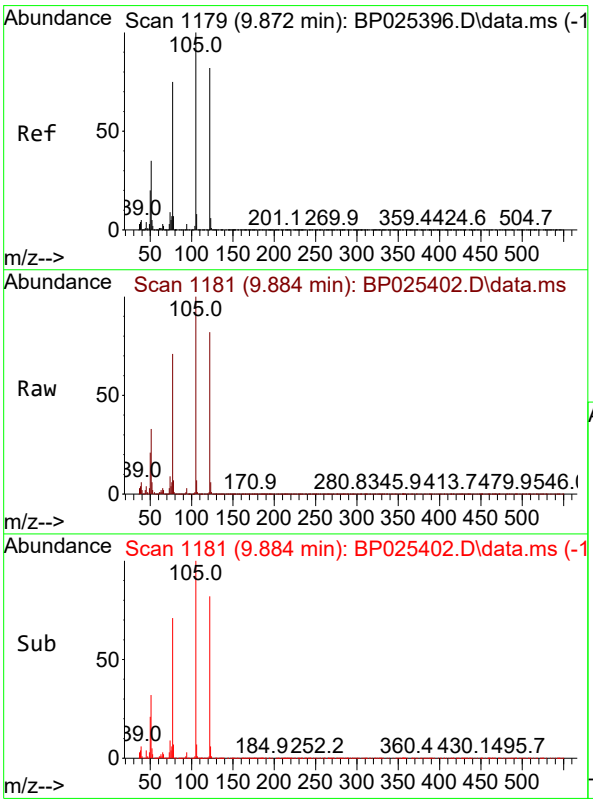
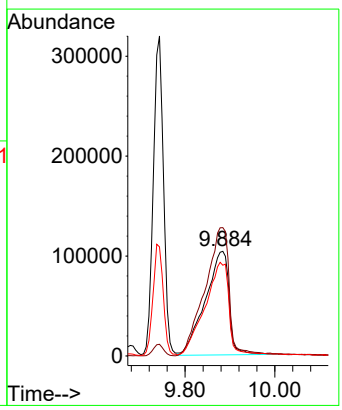
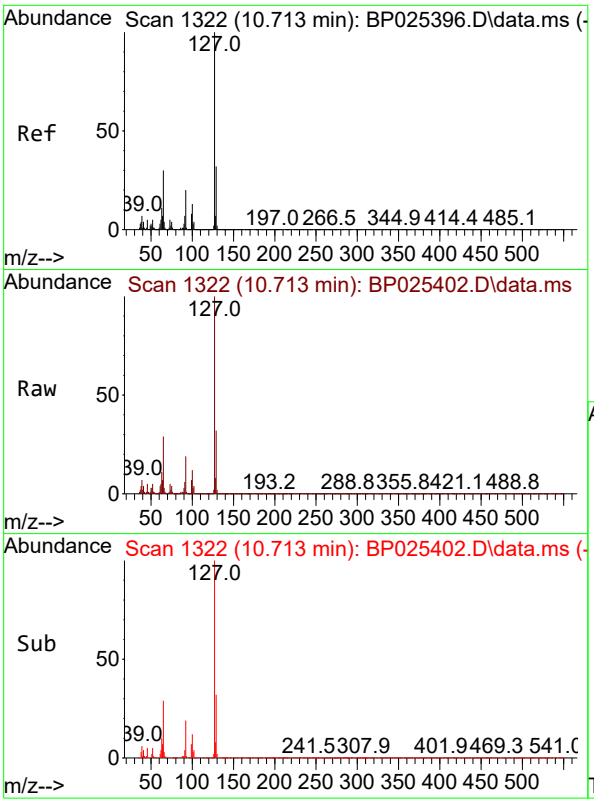


#32
Benzoic acid
Concen: 51.155 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:122 Resp: 383103

Ion	Ratio	Lower	Upper
122	100		
105	122.6	100.6	140.6
77	86.7	71.5	111.5

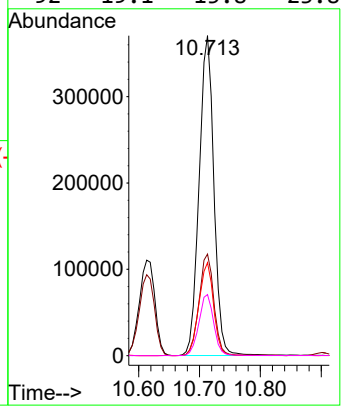




#33
4-Chloroaniline
Concen: 41.794 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:127 Resp: 62423

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.1	23.8	35.6
92	19.1	15.8	23.8



Instrument :
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ClientSampleId :
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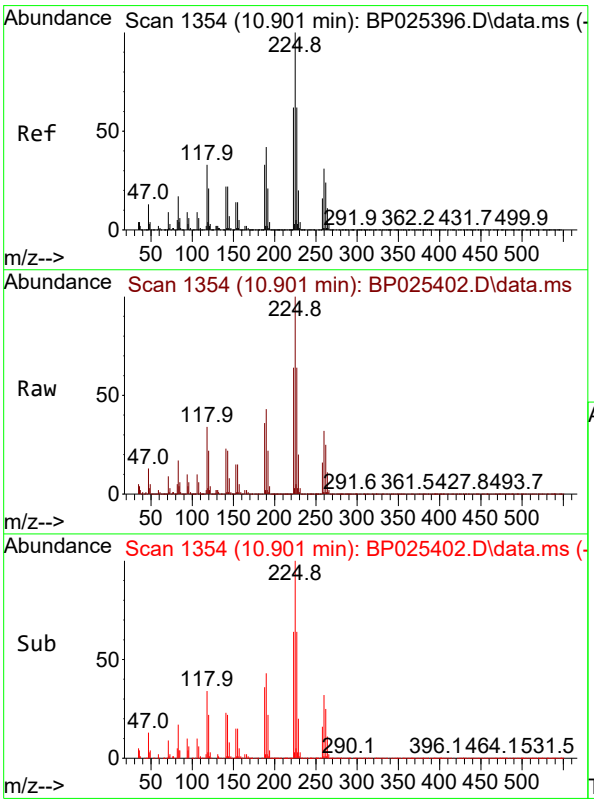
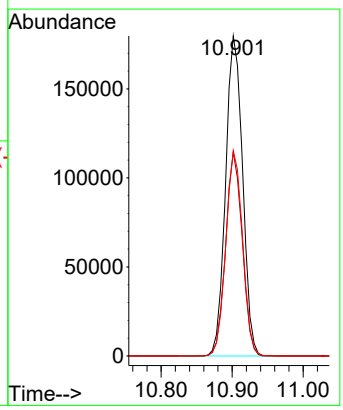
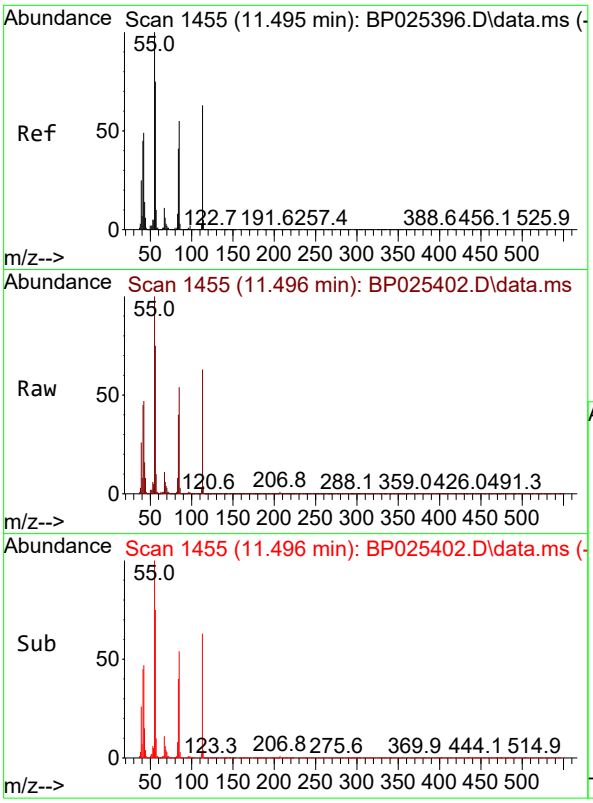


#34
Hexachlorobutadiene
Concen: 43.323 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:225 Resp: 298042

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.0	75.0
227	64.1	49.7	74.5





#35
Caprolactam
Concen: 49.139 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:113 Resp: 18156

Ion	Ratio	Lower	Upper
113	100		
55	158.2	140.0	180.0
56	119.2	100.0	140.0

Instrument :
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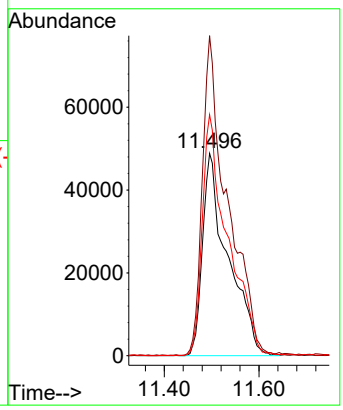
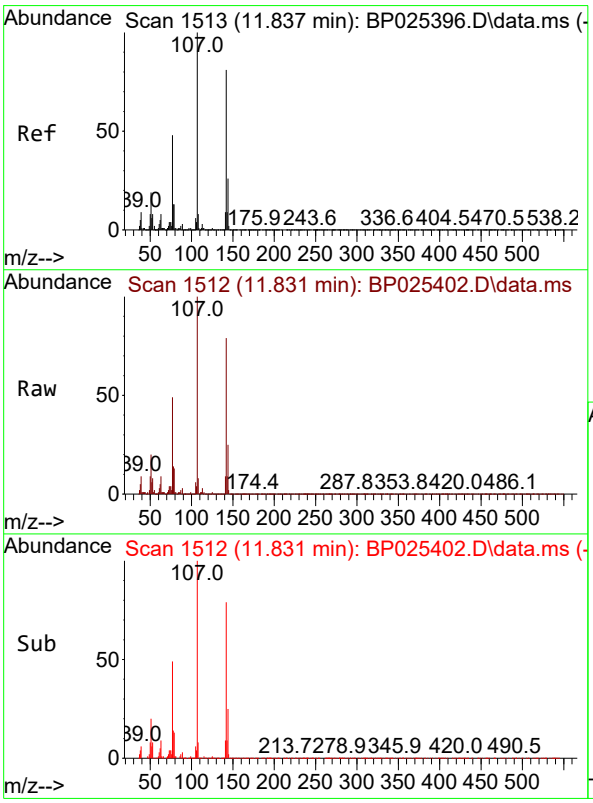
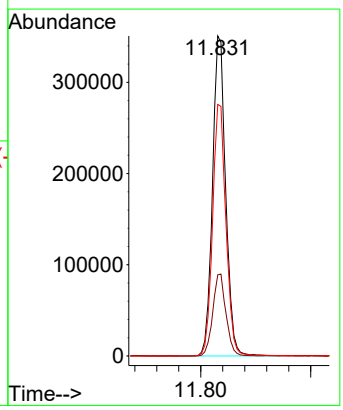


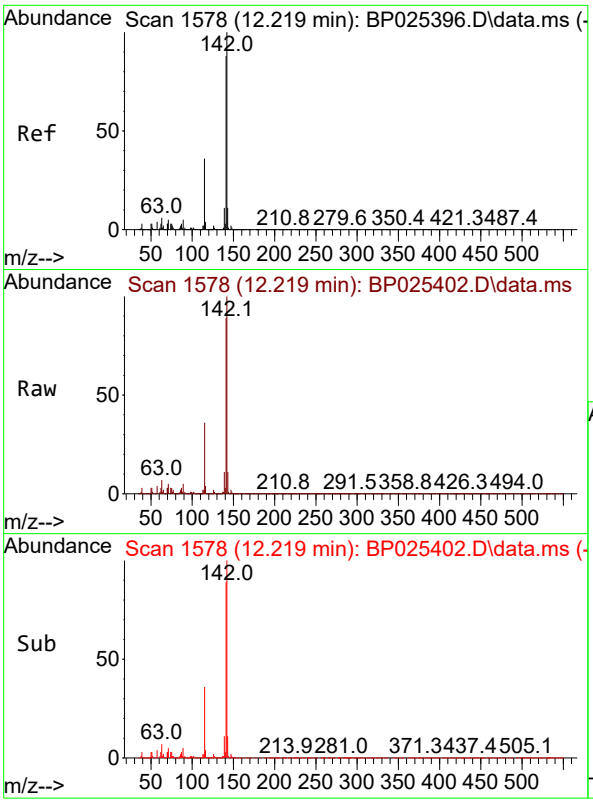


#36
4-Chloro-3-methylphenol
Concen: 50.394 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:107 Resp: 582706

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	78.6	64.6	97.0

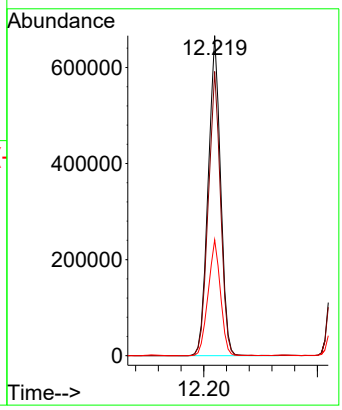




#37
2-Methylnaphthalene
Concen: 45.639 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:142 Resp: 100426

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	36.2	28.9	43.3



Instrument :
BNA_P
ClientSampleId :
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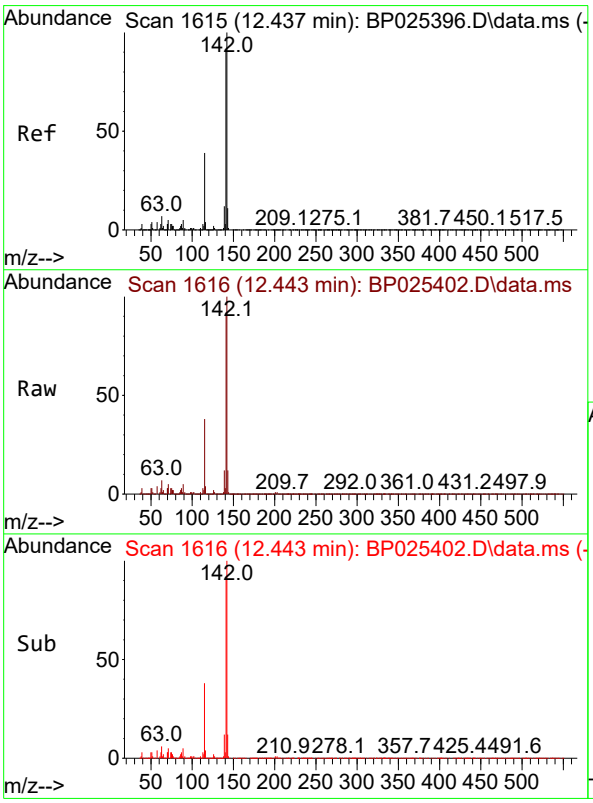
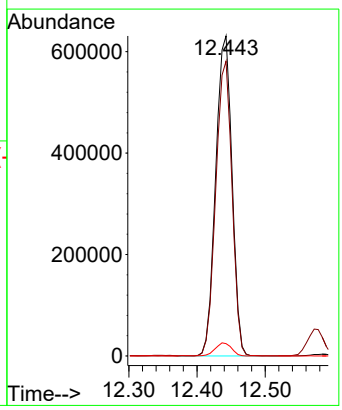
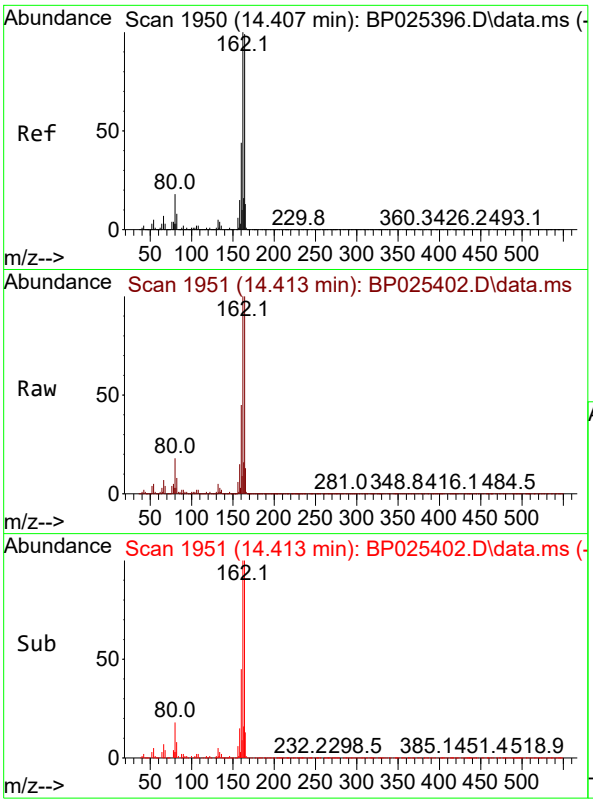


#38
1-Methylnaphthalene
Concen: 44.929 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:142 Resp: 1051392

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7
116	3.9	3.2	4.8

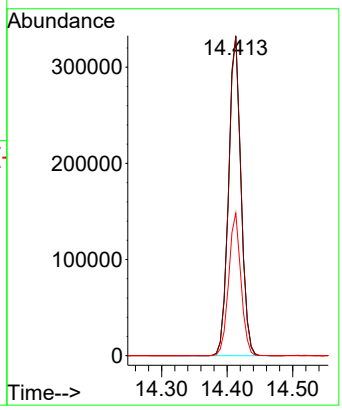




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:164 Resp: 43553

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.6
160	44.7	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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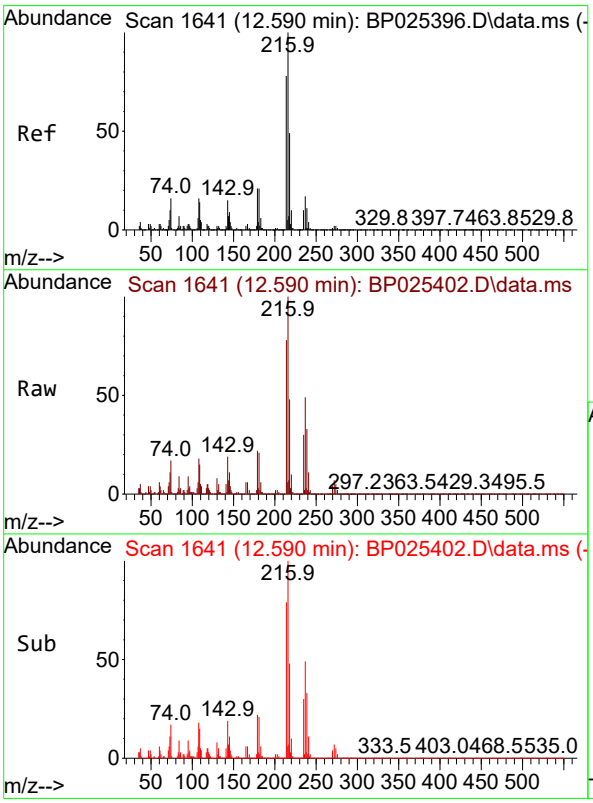
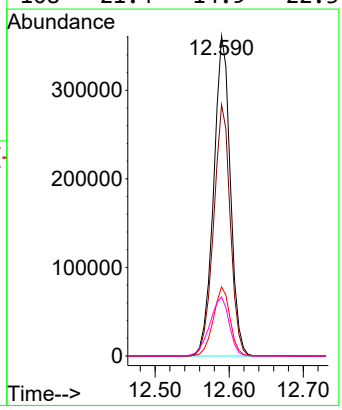
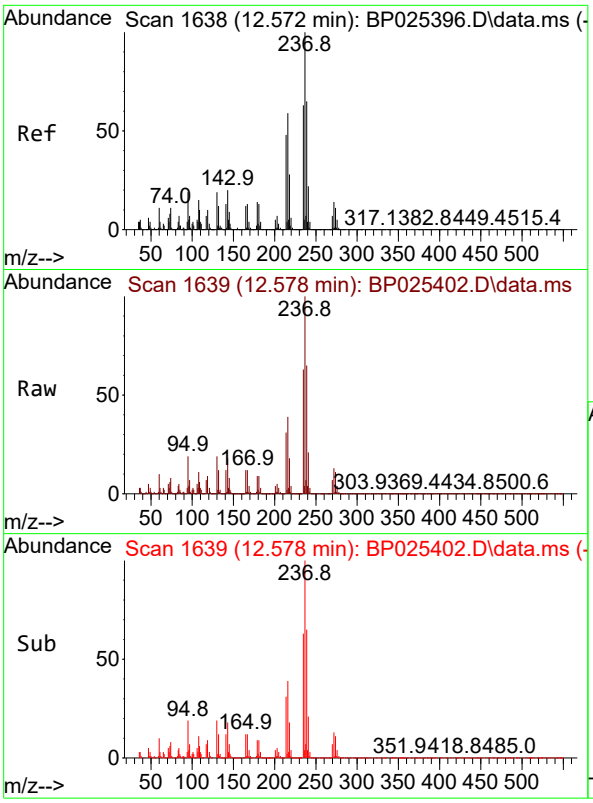


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.845 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:216 Resp: 564099

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.7	17.1	25.7
108	21.4	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 94.317 ng
RT: 12.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:237 Resp: 71663

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.7	82.7
272	12.9	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
PB169210BS

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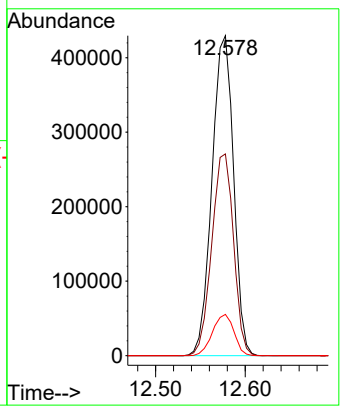
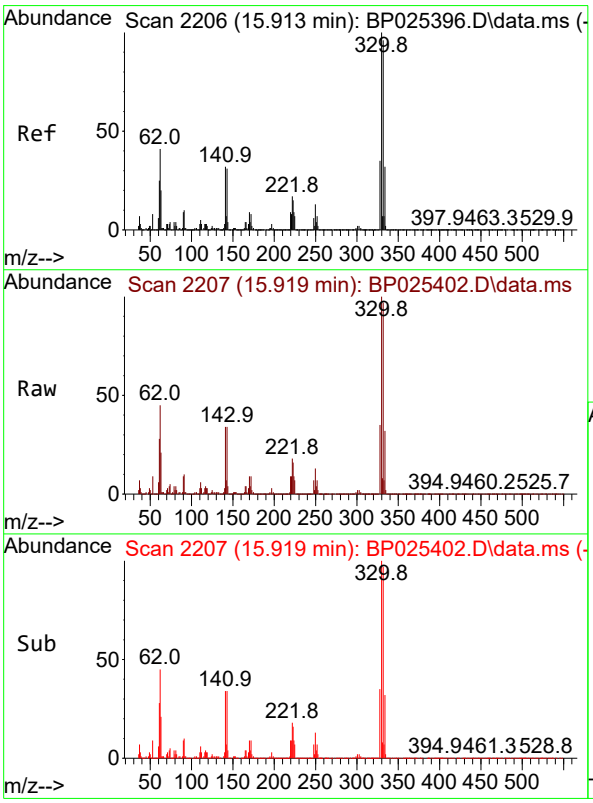
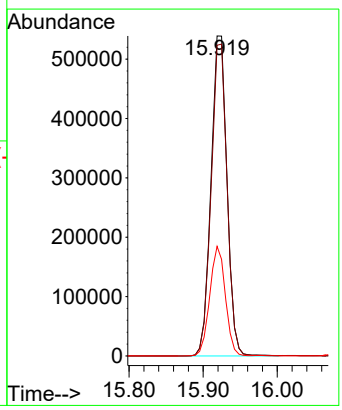


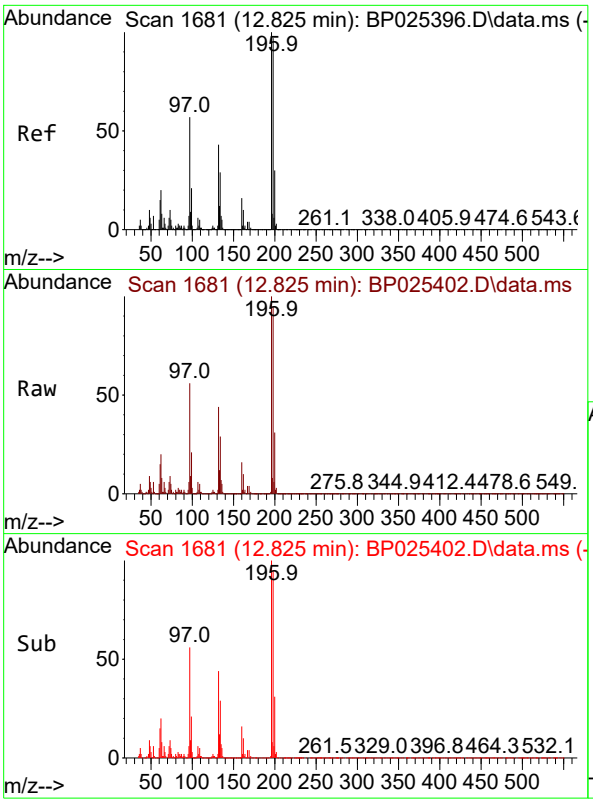


#42
2,4,6-Tribromophenol
Concen: 137.743 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:330 Resp: 807504

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	33.6	26.6	39.8

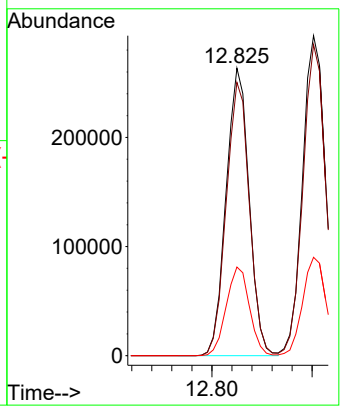




#43
2,4,6-Trichlorophenol
Concen: 49.564 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:196 Resp: 42090

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.2	115.8
200	30.8	23.9	35.9



Instrument :
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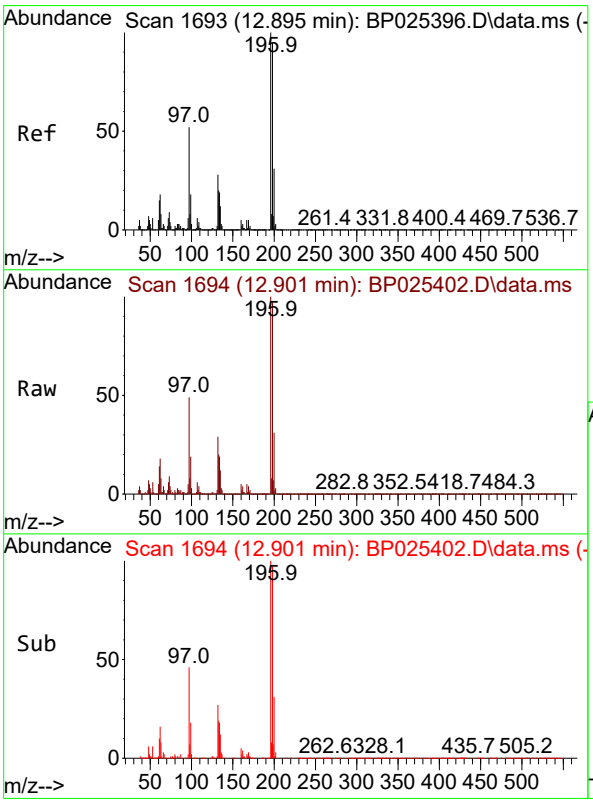
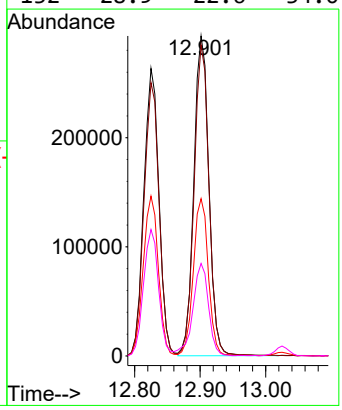
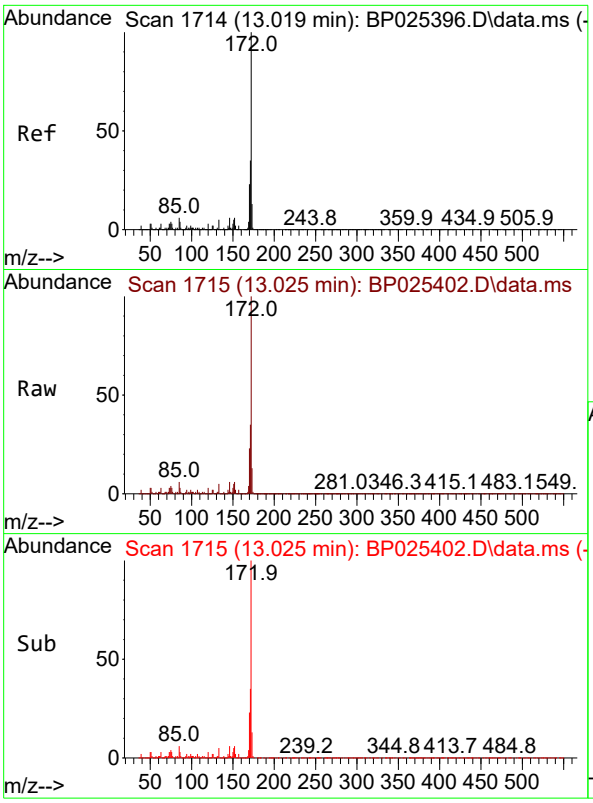


#44
2,4,5-Trichlorophenol
Concen: 50.356 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:196 Resp: 468666

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.2	114.2
97	49.1	41.2	61.8
132	28.9	22.6	34.0

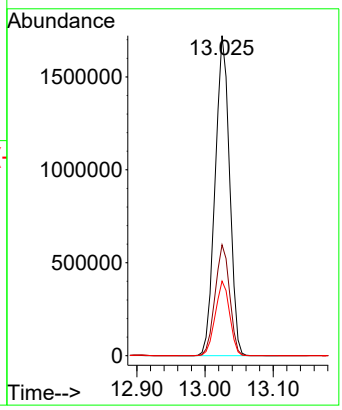




#45
2-Fluorobiphenyl
Concen: 79.667 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:172 Resp: 253885

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	23.3	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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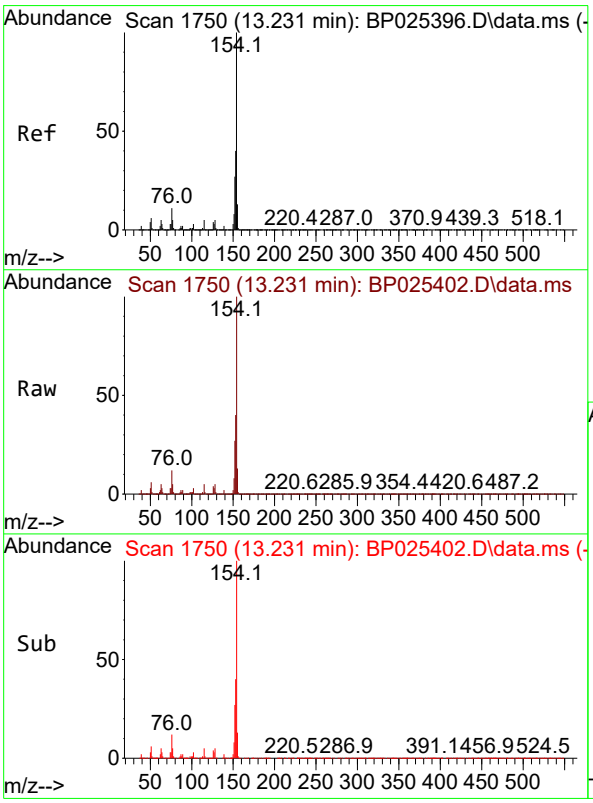
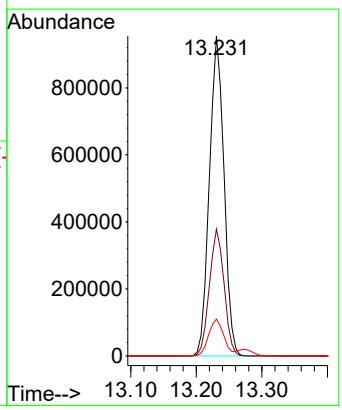
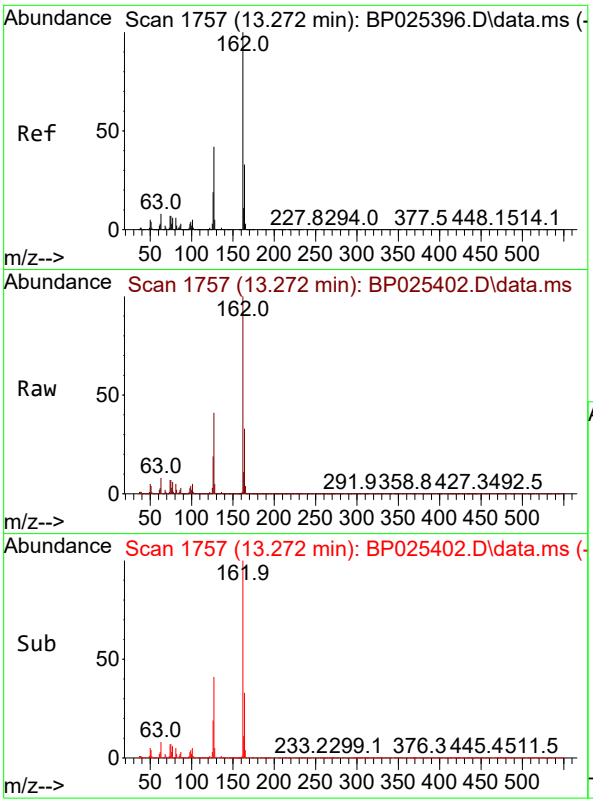


#46
1,1'-Biphenyl
Concen: 46.689 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:154 Resp: 1476847

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.5	59.5
76	11.5	0.0	31.1

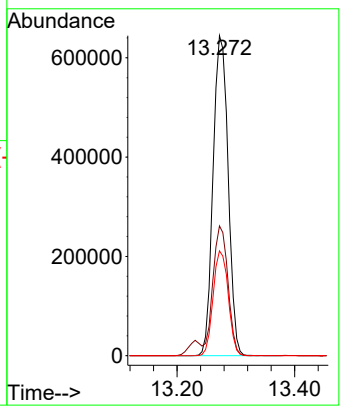




#47
2-Chloronaphthalene
Concen: 46.544 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:162 Resp: 114613

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.7	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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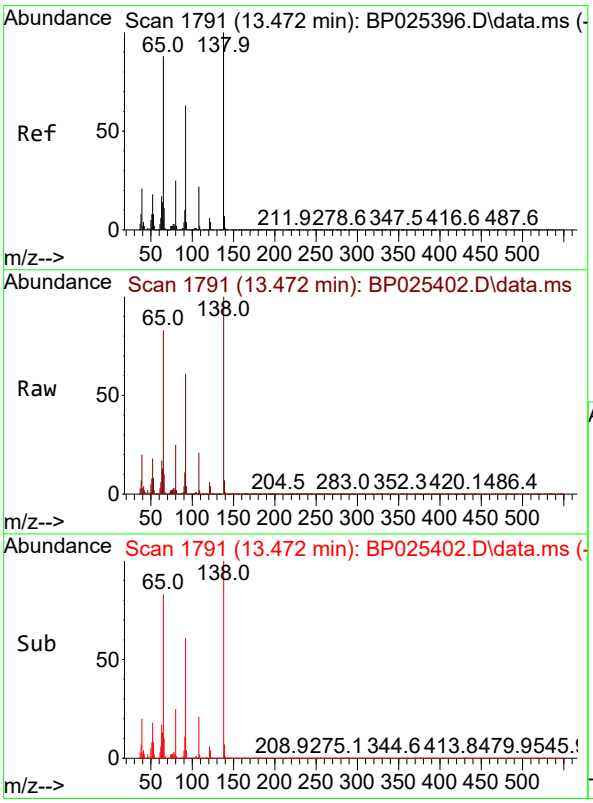
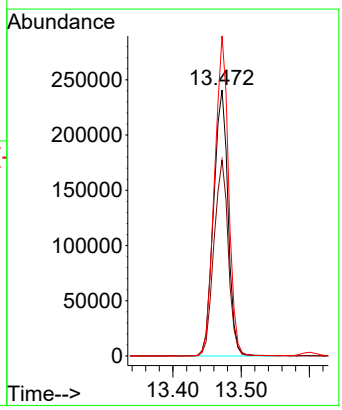
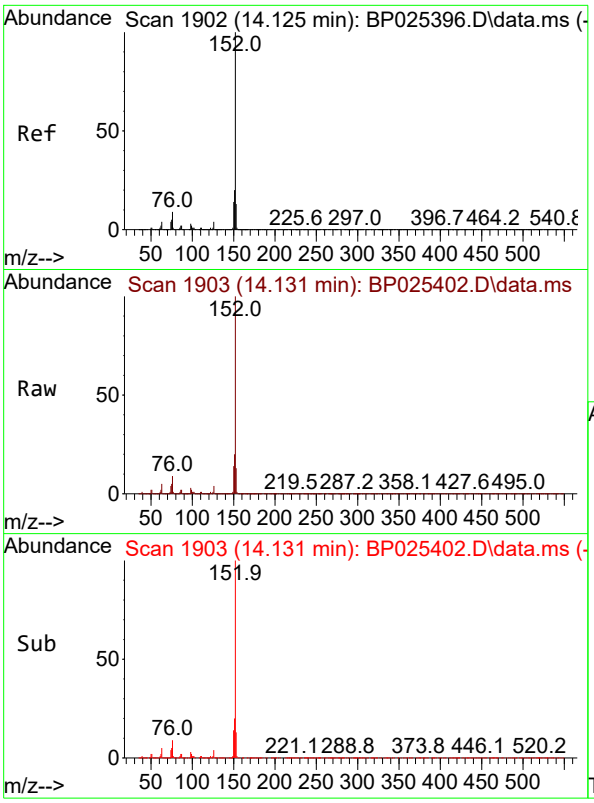


#48
2-Nitroaniline
Concen: 49.489 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 65 Resp: 355089

Ion	Ratio	Lower	Upper
65	100		
92	73.7	57.6	86.4
138	120.3	91.0	136.6

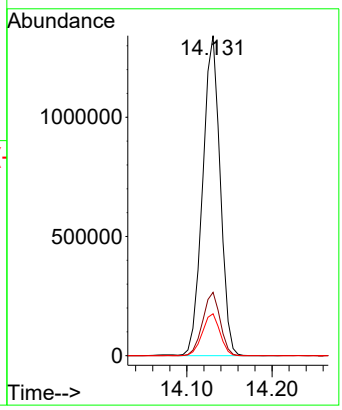




#49
Acenaphthylene
Concen: 46.883 ng
RT: 14.131 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:152 Resp: 191032

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



Instrument :
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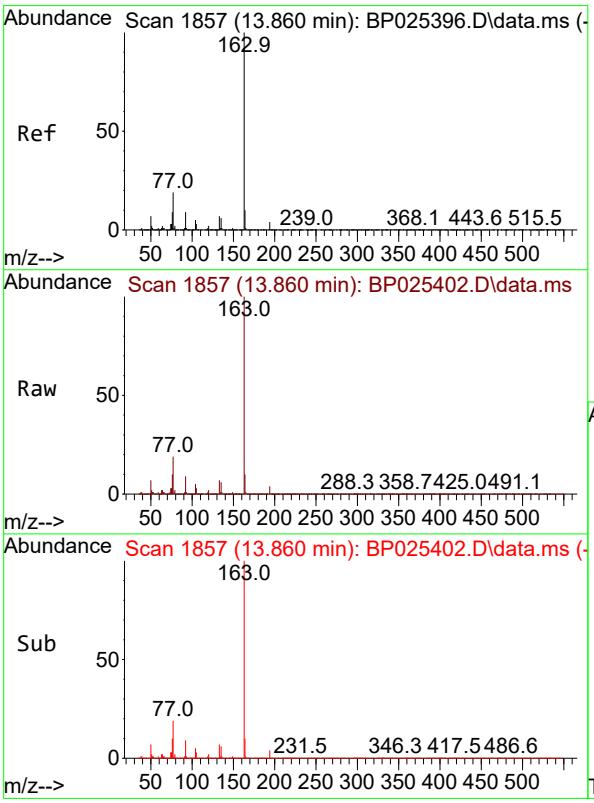
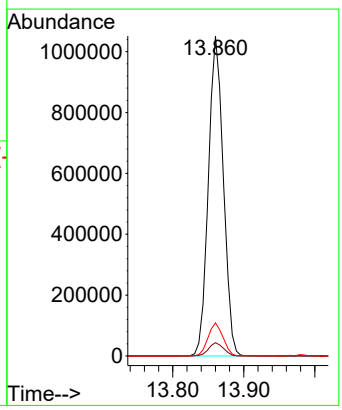
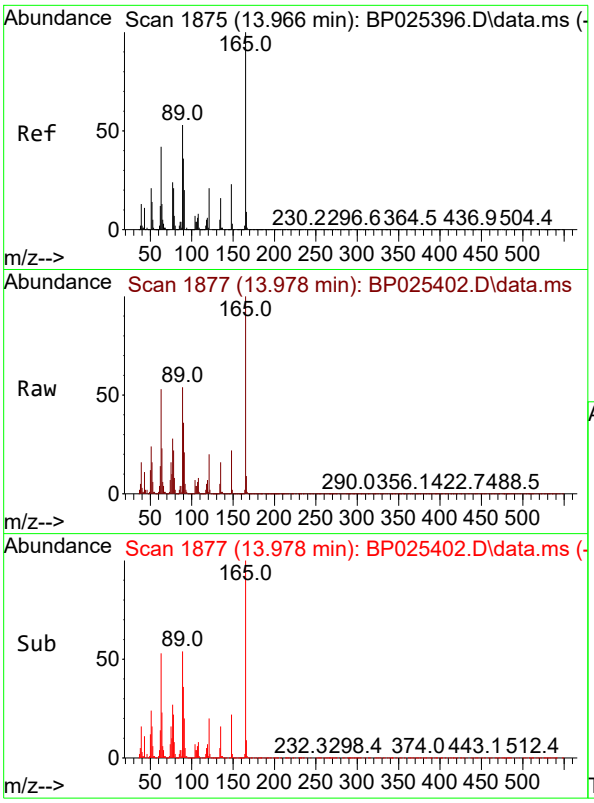


#50
Dimethylphthalate
Concen: 48.314 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:163 Resp: 1540919

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.4	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 49.911 ng
RT: 13.978 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:165 Resp: 33551

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.9	61.3
89	54.0	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
PB169210BS

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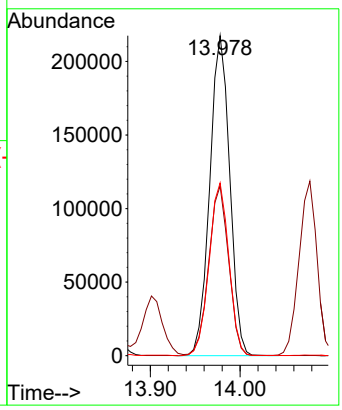
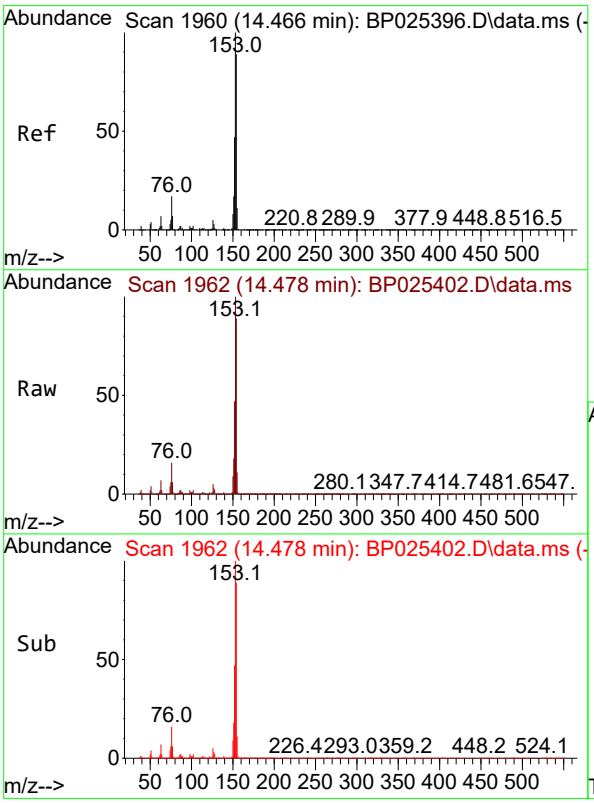
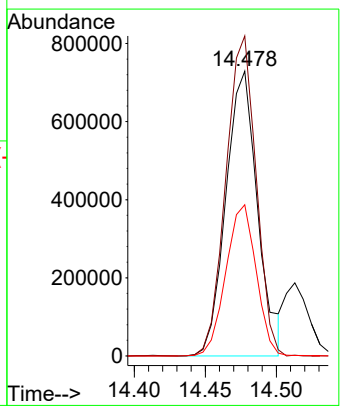


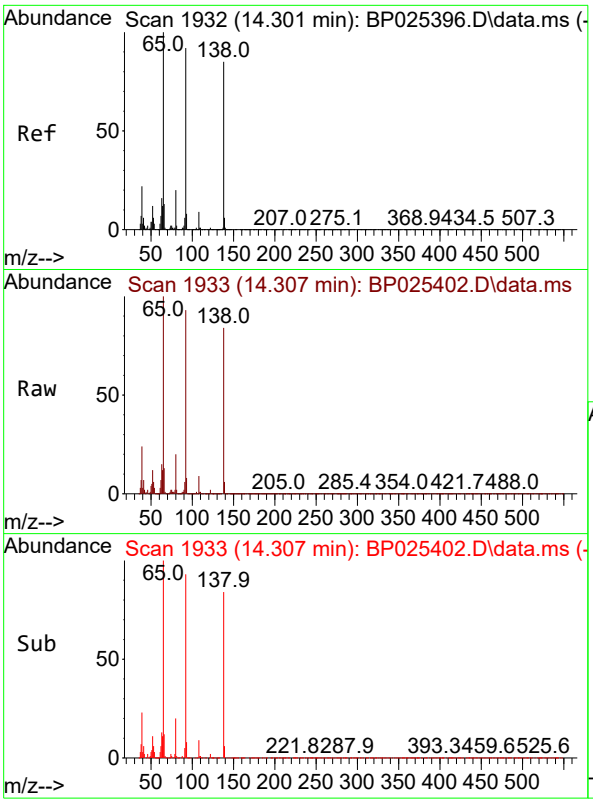


#52
Acenaphthene
Concen: 47.334 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:154 Resp: 1132105

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.2	135.2
152	53.1	42.1	63.1





#53
3-Nitroaniline
Concen: 43.858 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:138 Resp: 33171

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.3	12.5
92	111.1	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
PB169210BS

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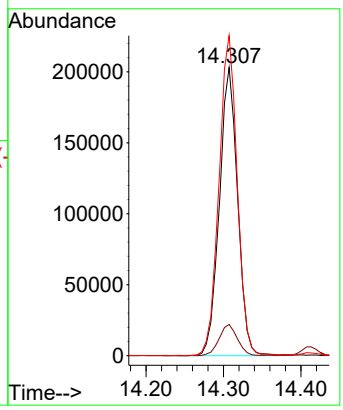
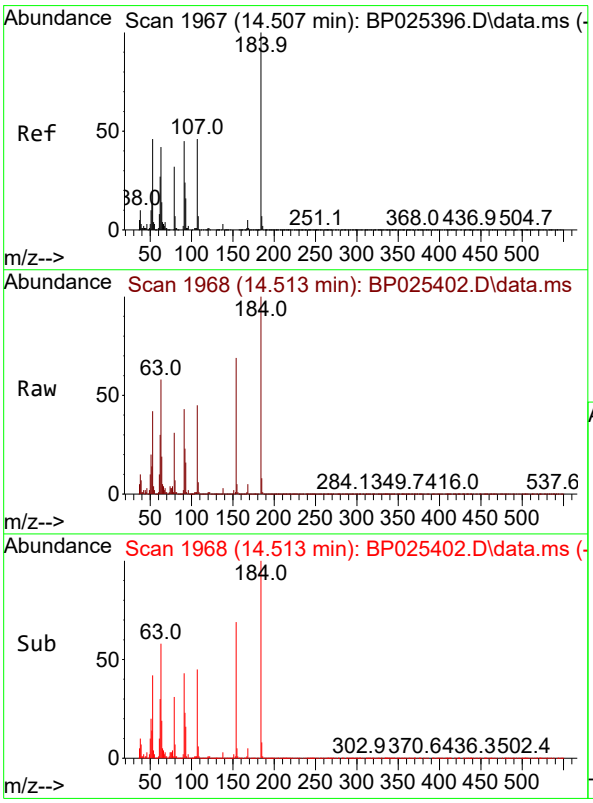
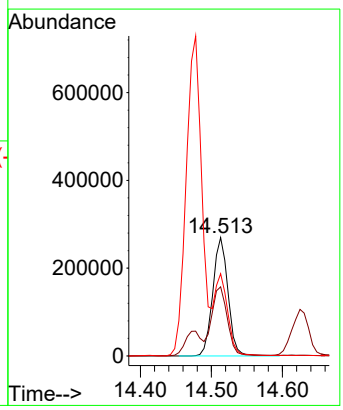


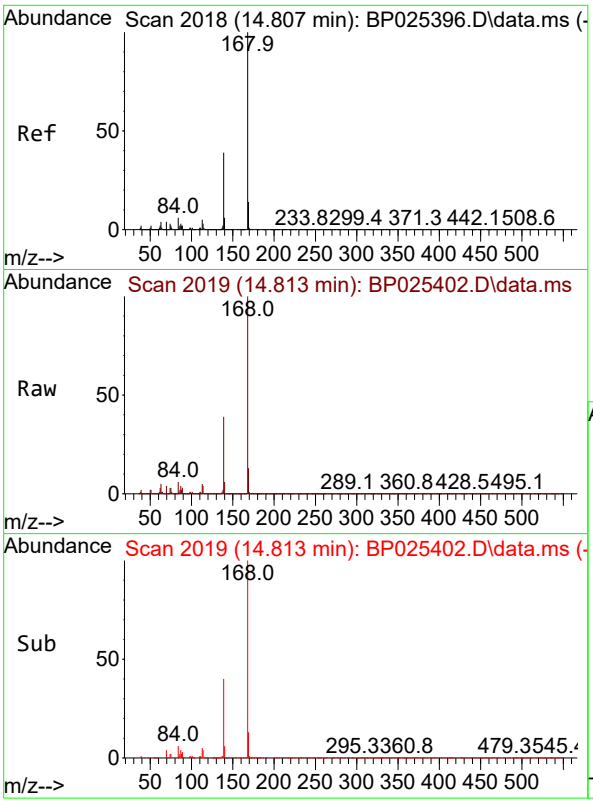


#54
2,4-Dinitrophenol
Concen: 111.865 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:184 Resp: 401585

Ion	Ratio	Lower	Upper
184	100		
63	58.4	49.4	74.2
154	69.4	54.6	82.0

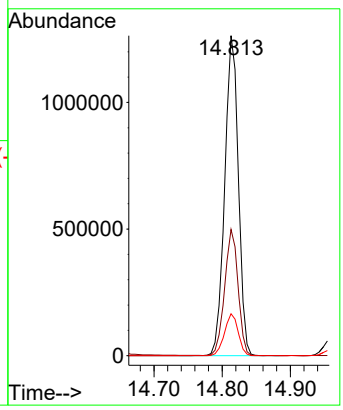




#55
Dibenzofuran
Concen: 46.470 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:168 Resp: 175720

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	13.1	10.9	16.3



Instrument :
BNA_P
ClientSampleId :
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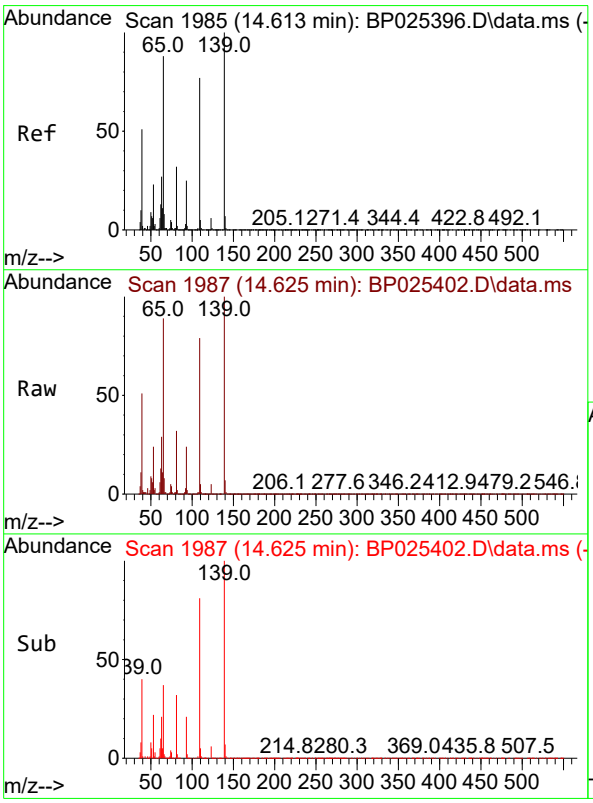
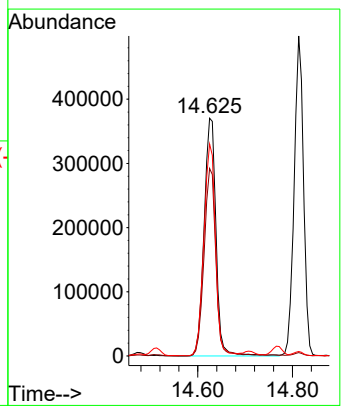
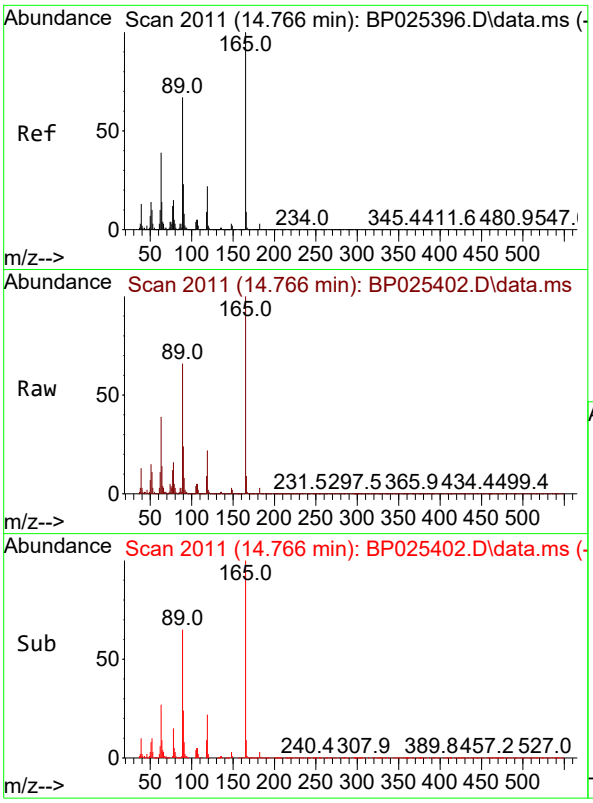


#56
4-Nitrophenol
Concen: 104.294 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:139 Resp: 648186

Ion	Ratio	Lower	Upper
139	100		
109	78.9	56.6	96.6
65	89.2	68.2	108.2

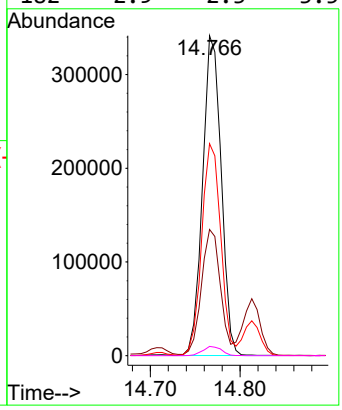




#57
2,4-Dinitrotoluene
Concen: 51.219 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:165 Resp: 49124

Ion	Ratio	Lower	Upper
165	100		
63	39.4	31.4	47.2
89	66.3	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
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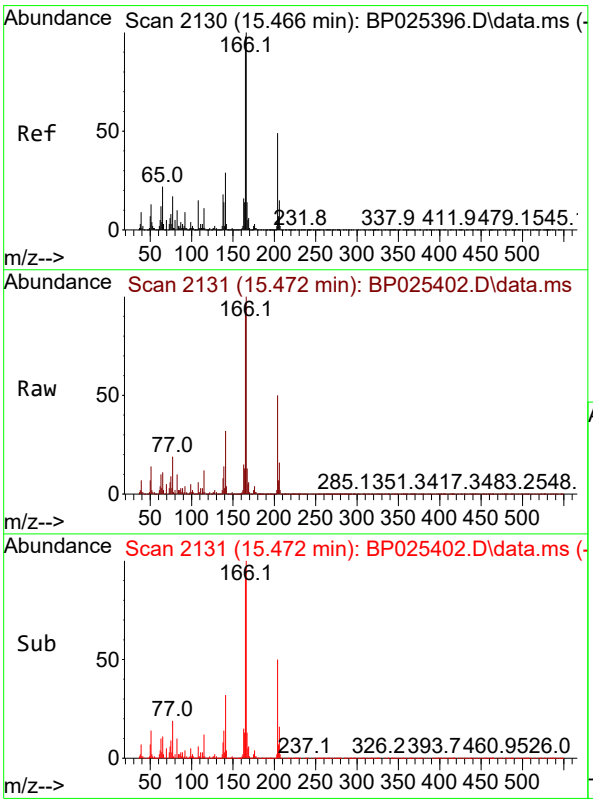
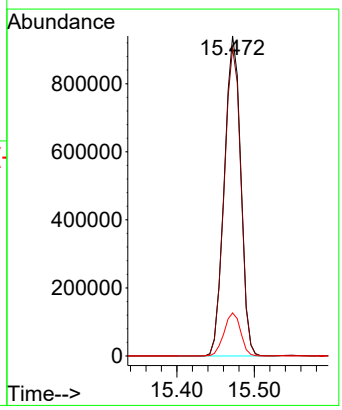
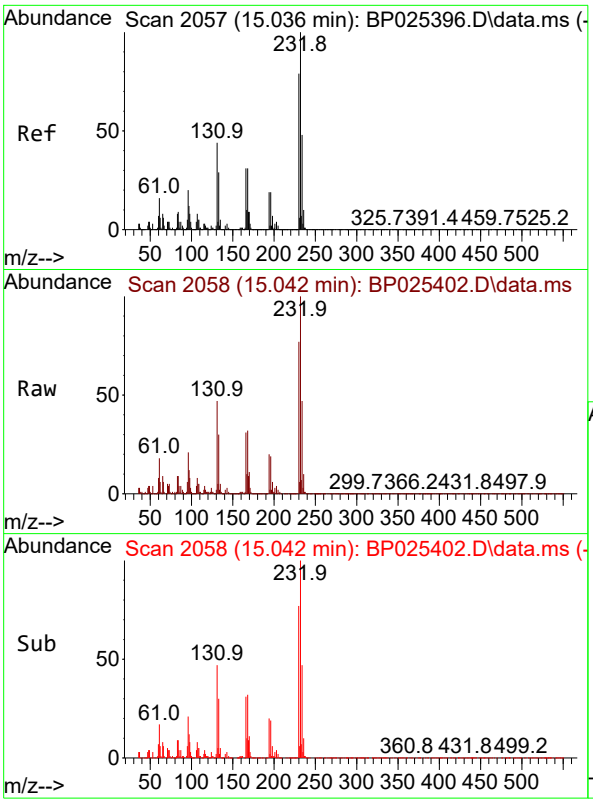


#58
Fluorene
Concen: 46.525 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:166 Resp: 1388189

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.8	118.2
167	13.4	11.0	16.4

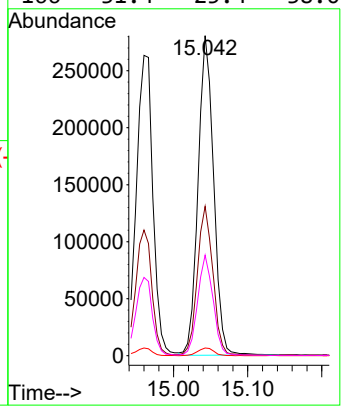




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.740 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:232 Resp: 40876

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.5	1.9	2.9
166	31.4	25.4	38.0



Instrument :
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ClientSampleId :
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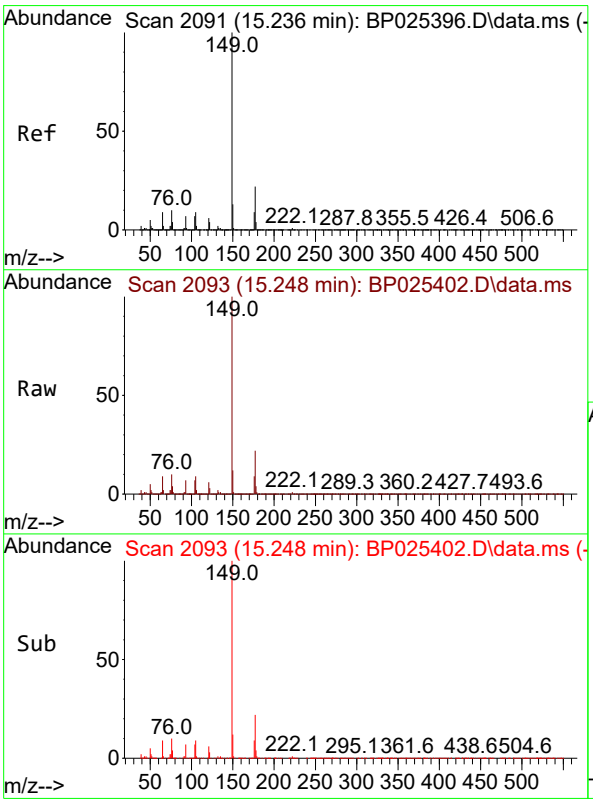
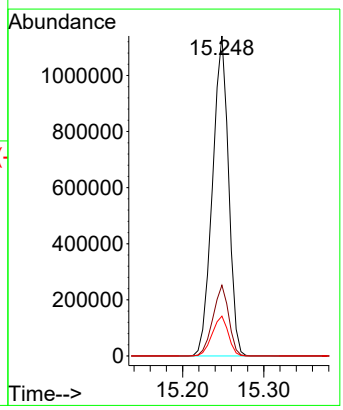
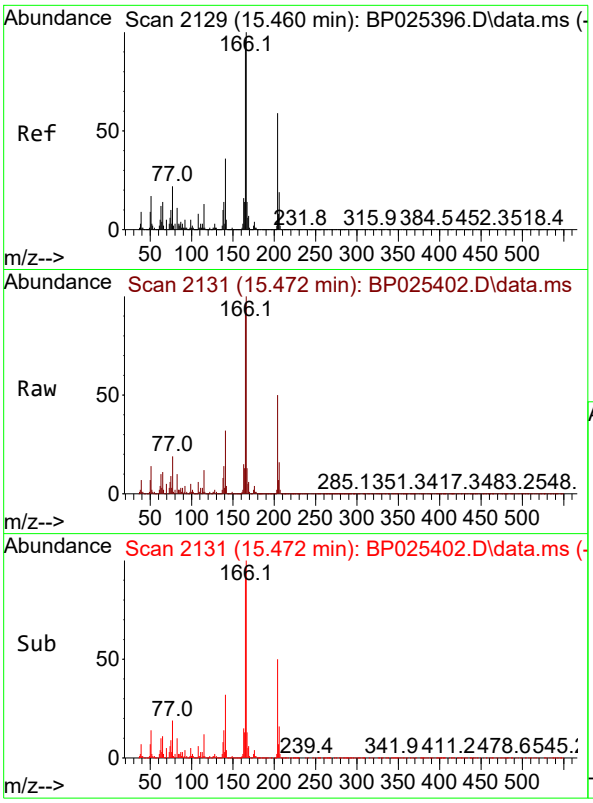


#60
Diethylphthalate
Concen: 48.233 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1563135

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.4	10.3	15.5

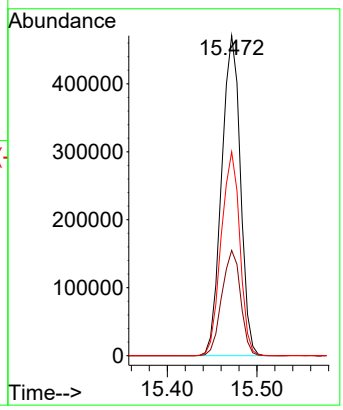




#61
4-Chlorophenyl-phenylether
Concen: 46.075 ng
RT: 15.472 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:204 Resp: 68373

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.8
141	63.7	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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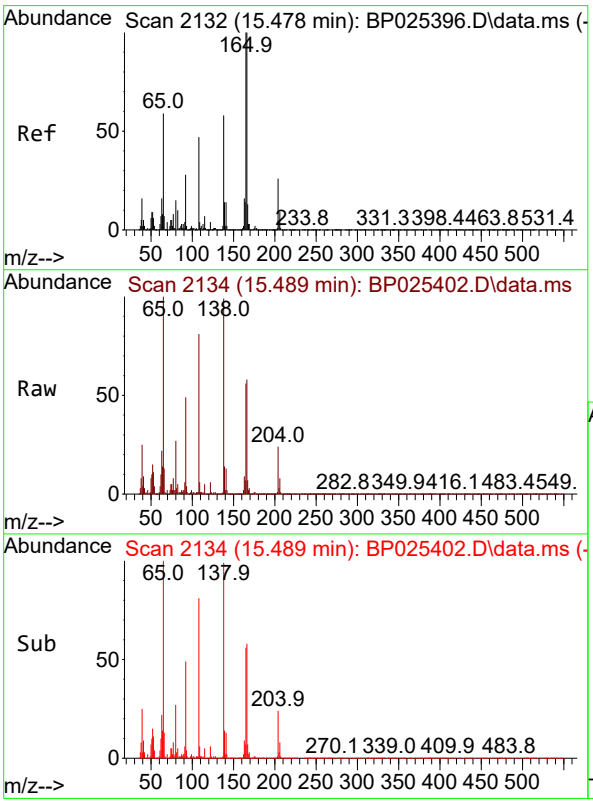
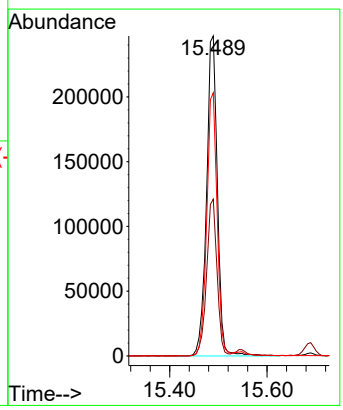
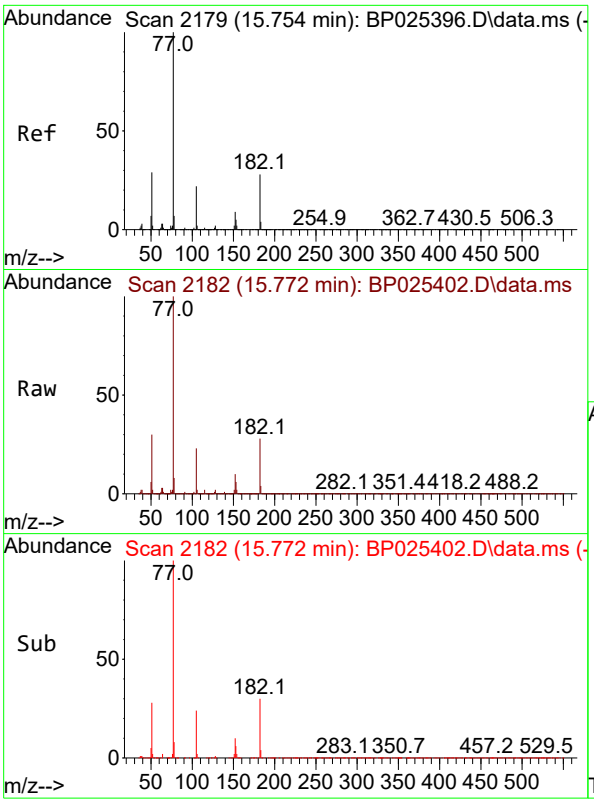


#62
4-Nitroaniline
Concen: 49.072 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:138 Resp: 380486

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.1	69.1
108	82.2	61.5	101.5

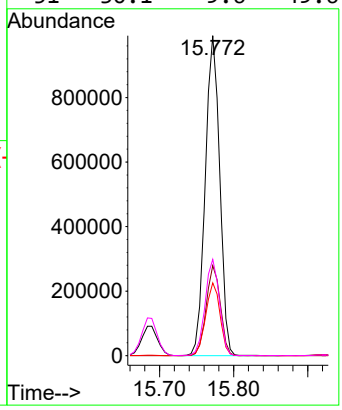




#63
Azobenzene
Concen: 48.409 ng
RT: 15.772 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 77 Resp: 134333

Ion	Ratio	Lower	Upper
77	100		
182	28.1	7.5	47.5
105	22.8	2.1	42.1
51	30.1	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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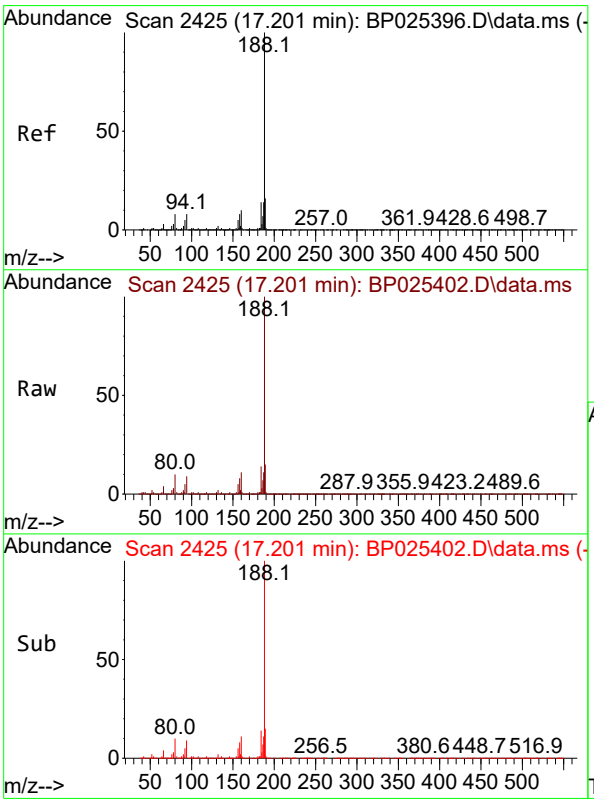
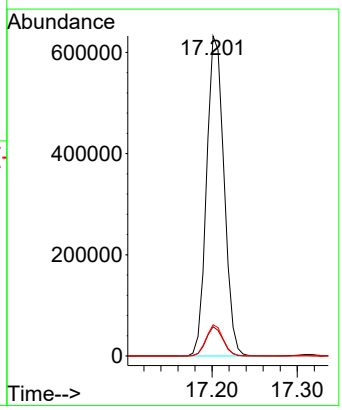
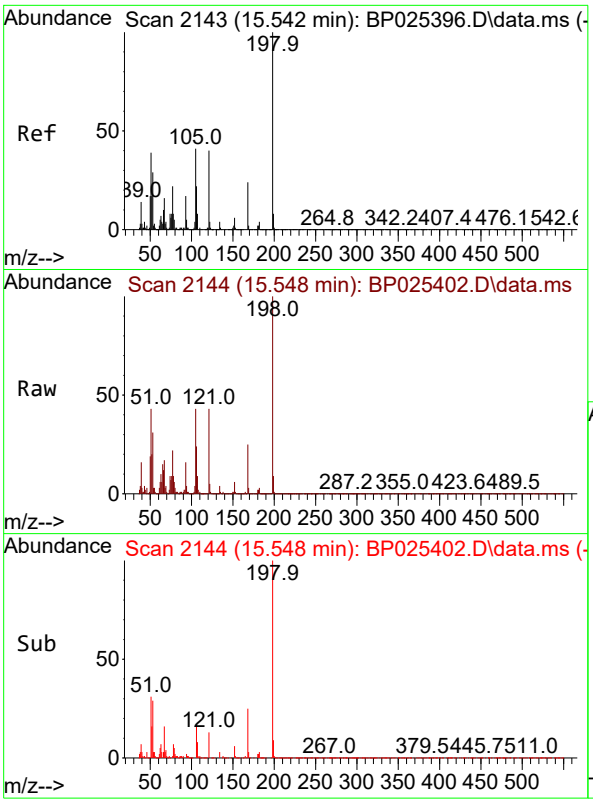


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:188 Resp: 895607

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1

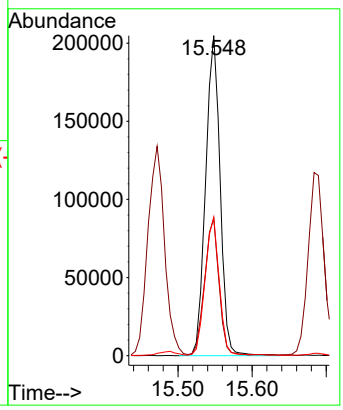




#65
4,6-Dinitro-2-methylphenol
Concen: 49.788 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:198 Resp: 27795

Ion	Ratio	Lower	Upper
198	100		
51	42.8	19.6	59.6
105	43.3	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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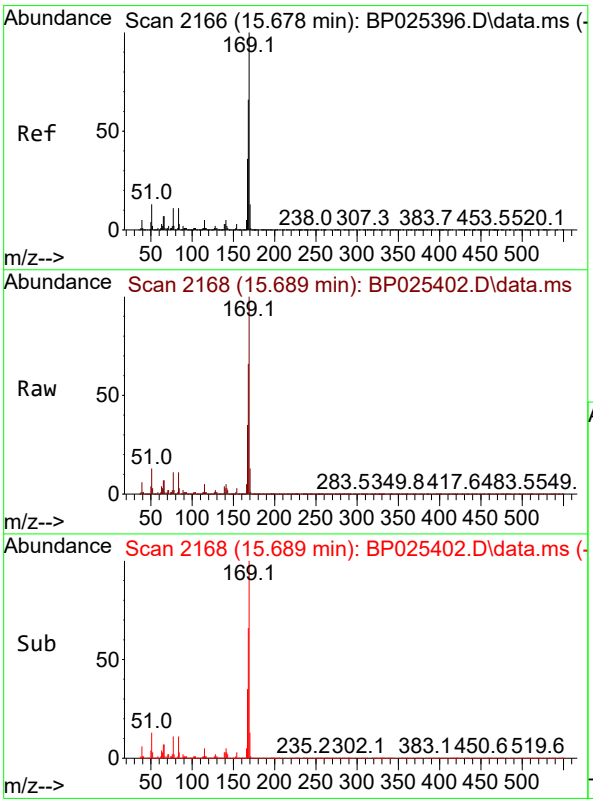
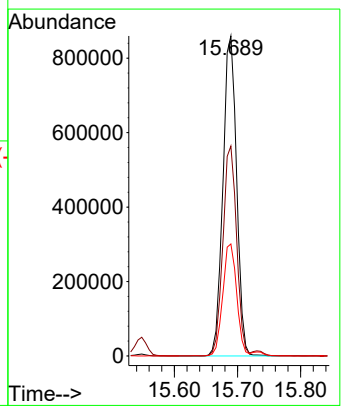
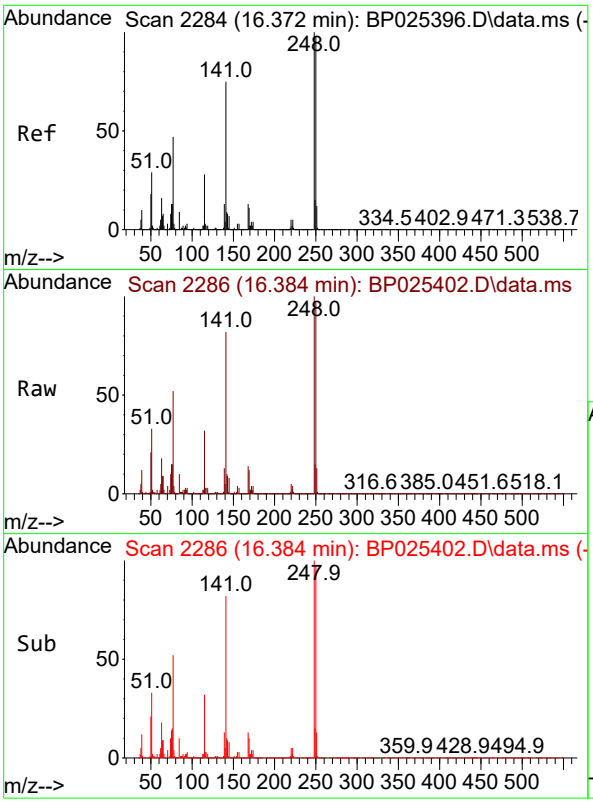


#66
n-Nitrosodiphenylamine
Concen: 47.265 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:169 Resp: 1290834

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.0	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 46.761 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:248 Resp: 46060

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.2
141	82.2	59.6	89.4

Instrument :
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ClientSampleId :
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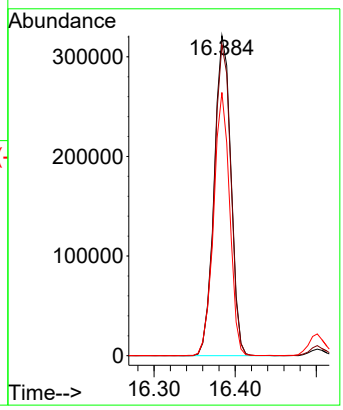
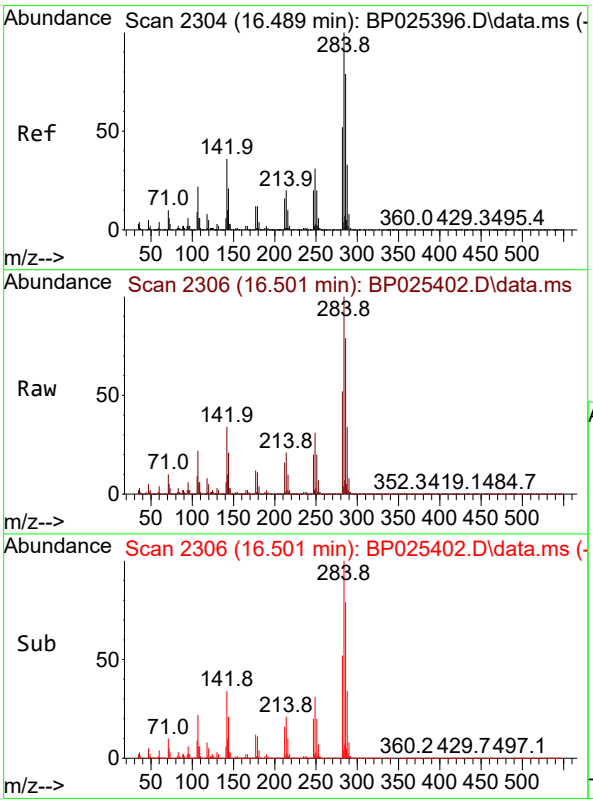
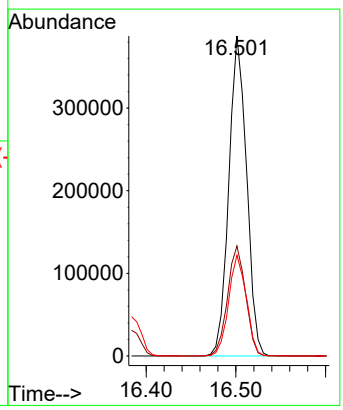


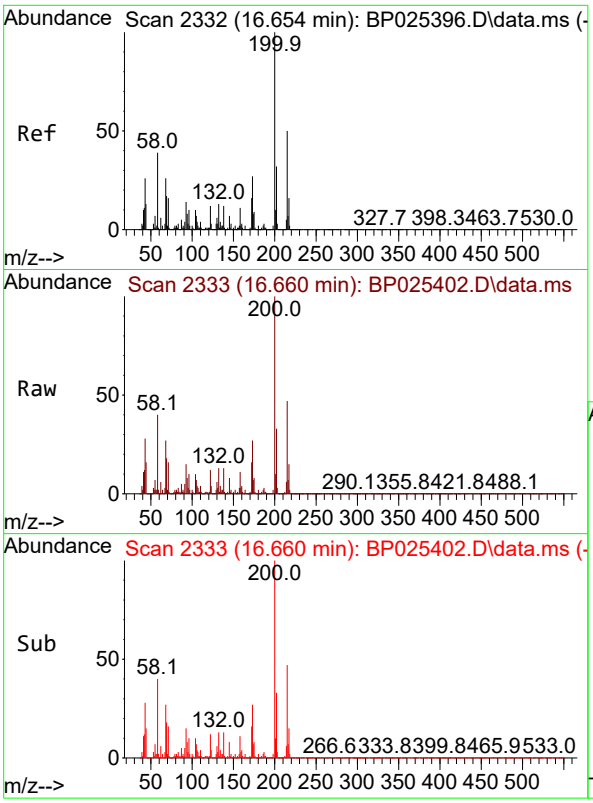


#68
Hexachlorobenzene
Concen: 46.564 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:284 Resp: 531682

Ion	Ratio	Lower	Upper
284	100		
142	34.4	29.1	43.7
249	31.5	25.0	37.4

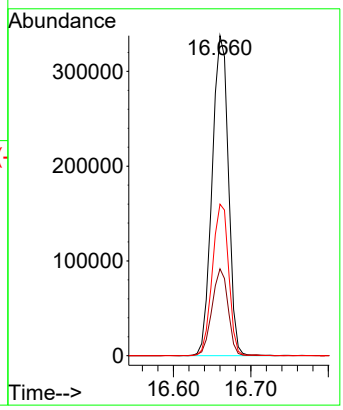




#69
Atrazine
Concen: 48.184 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:200 Resp: 49282

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.7	46.7
215	47.3	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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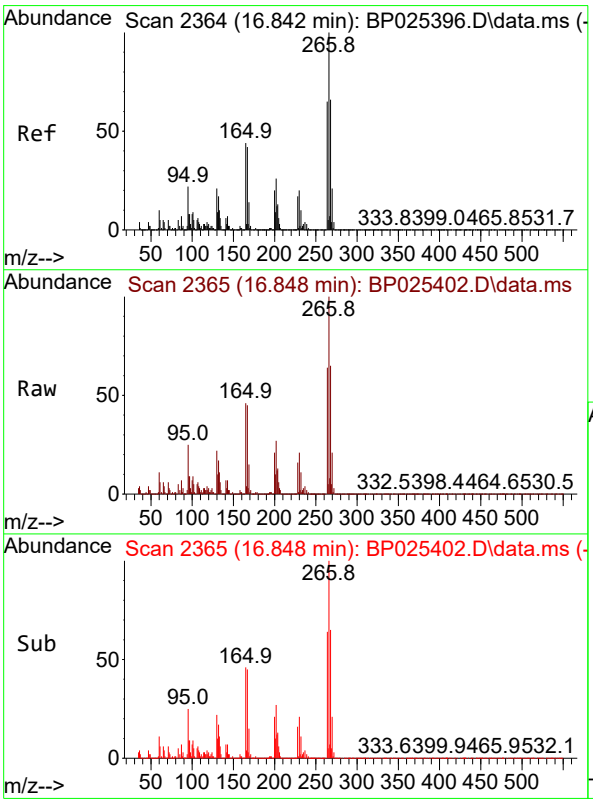
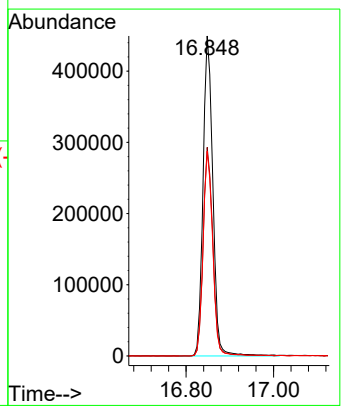
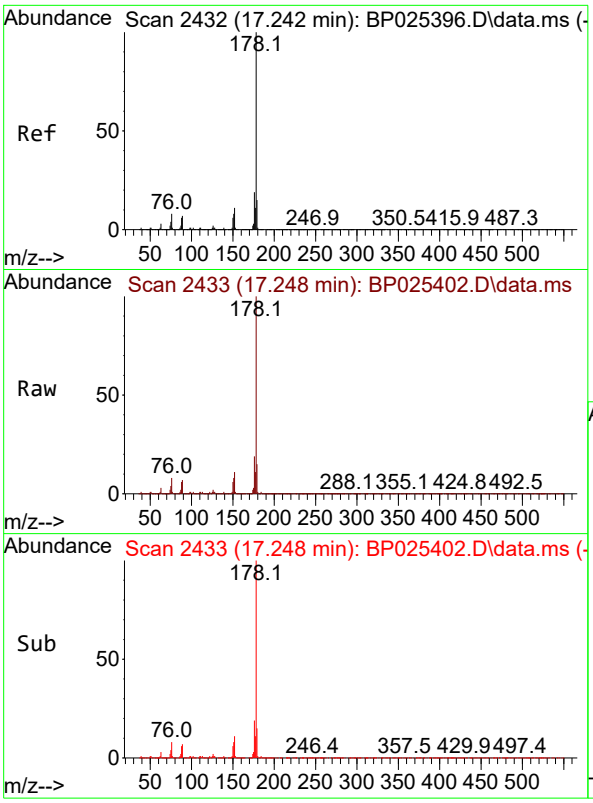


#70
Pentachlorophenol
Concen: 97.234 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:266 Resp: 700841

Ion	Ratio	Lower	Upper
266	100		
268	65.2	52.6	79.0
264	64.0	52.0	78.0

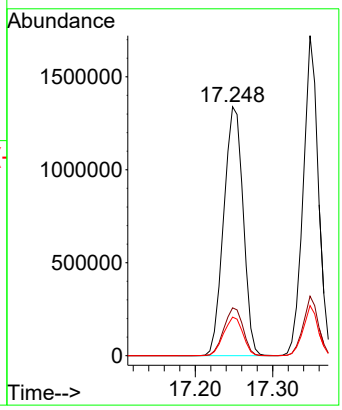




#71
Phenanthrene
Concen: 47.481 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:178 Resp: 233598

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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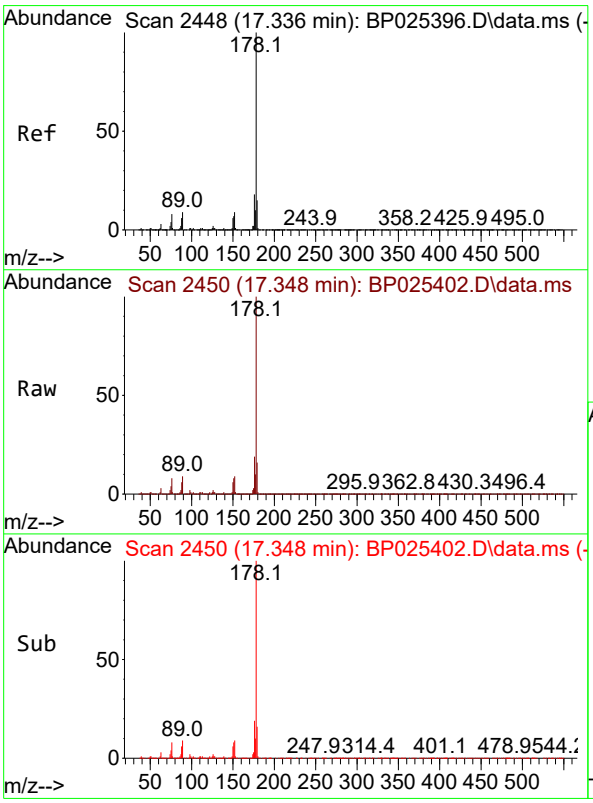
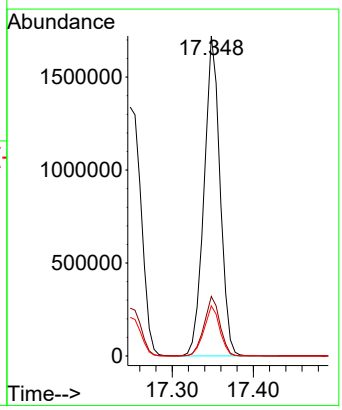
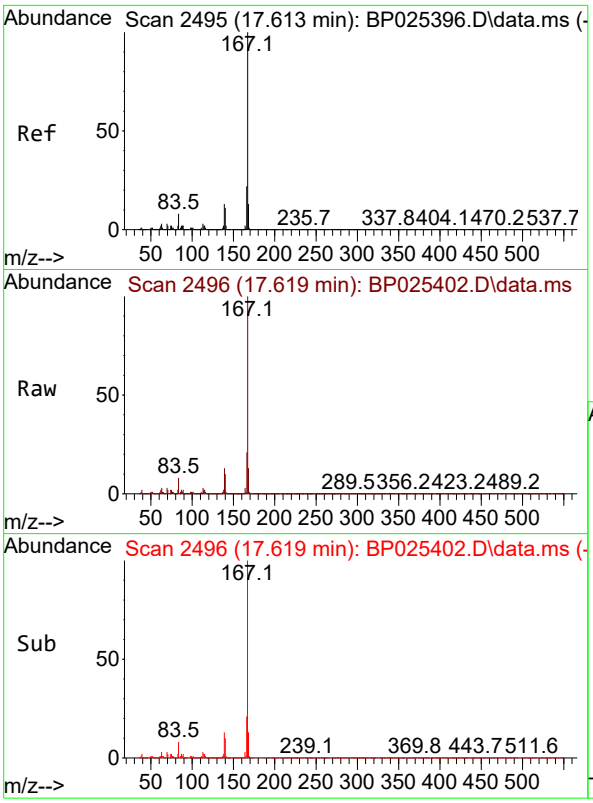


#72
Anthracene
Concen: 46.547 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:178 Resp: 2338590

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.7	12.2	18.2

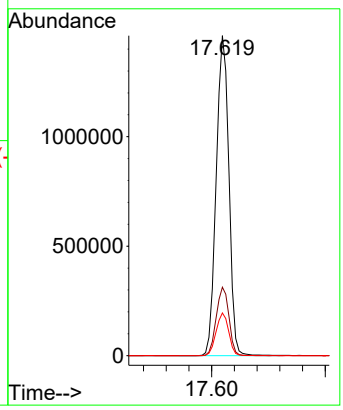




#73
Carbazole
Concen: 47.640 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:167 Resp: 225450

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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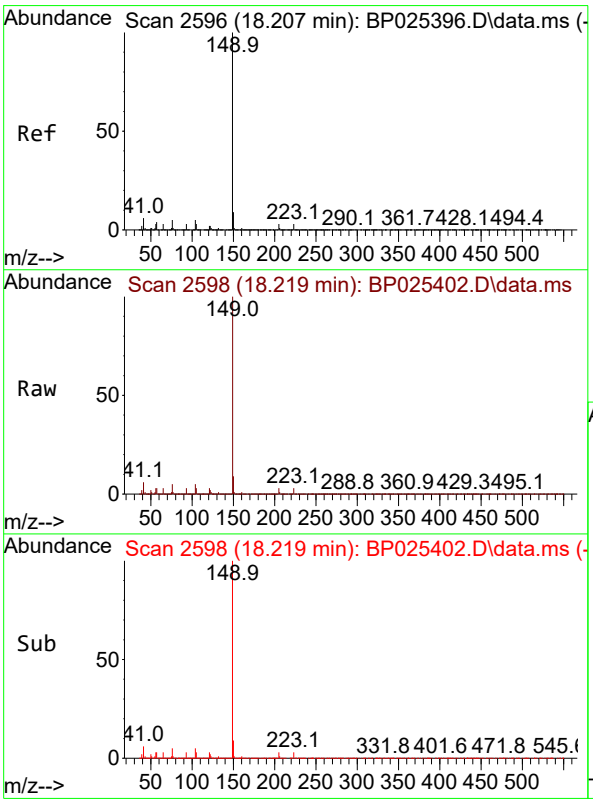
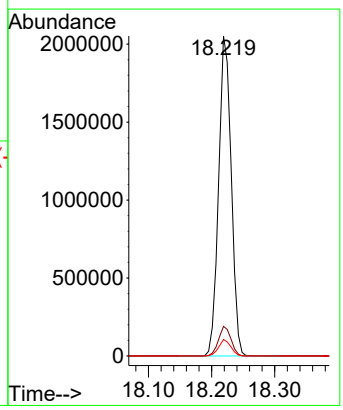
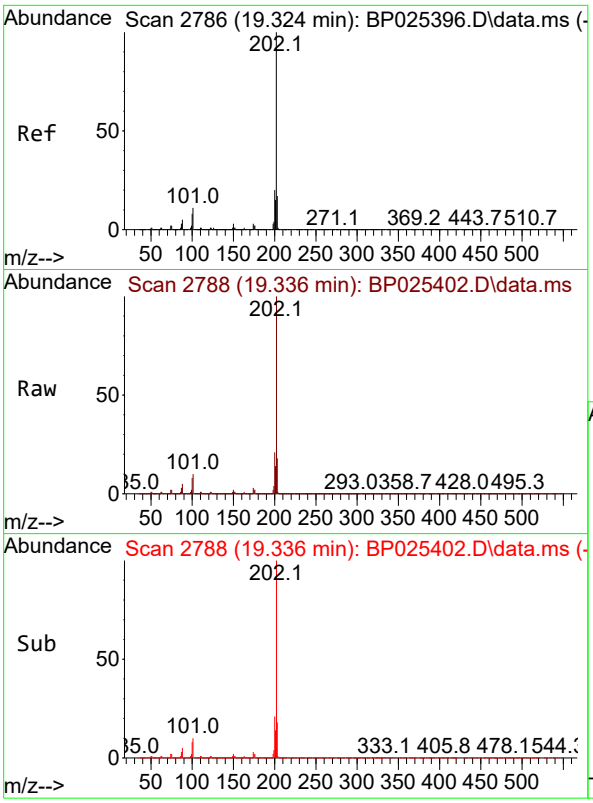


#74
Di-n-butylphthalate
Concen: 48.957 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 2850461

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2

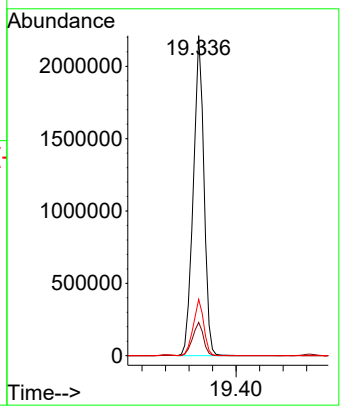




#75
Fluoranthene
Concen: 47.188 ng
RT: 19.336 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:202 Resp: 276923

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.6	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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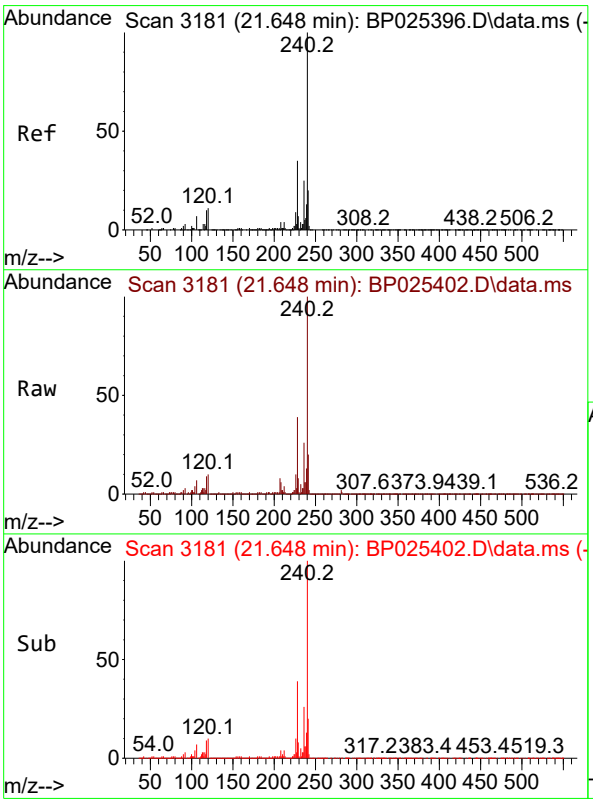
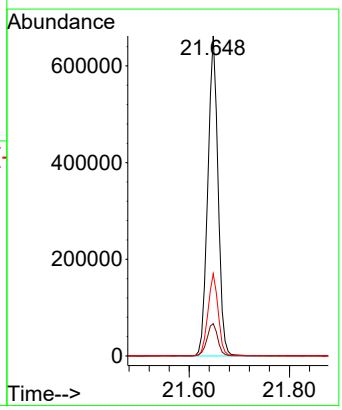
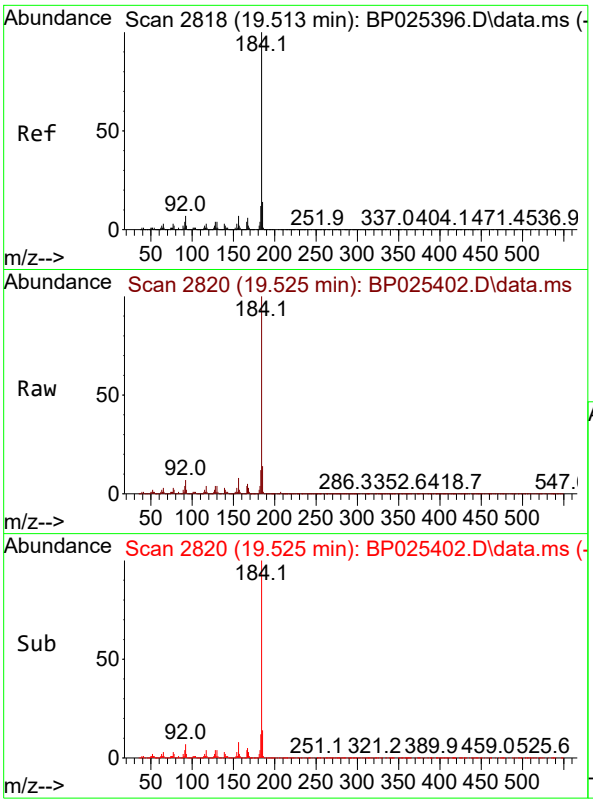


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:240 Resp: 937531

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.7	19.8	29.8

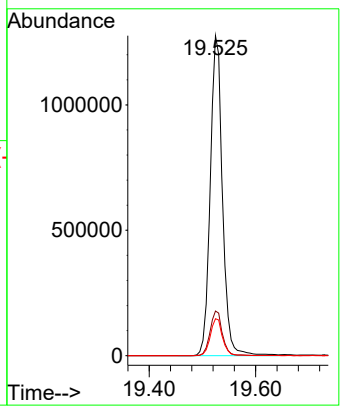




#77
Benzidine
Concen: 63.593 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:184 Resp: 203471

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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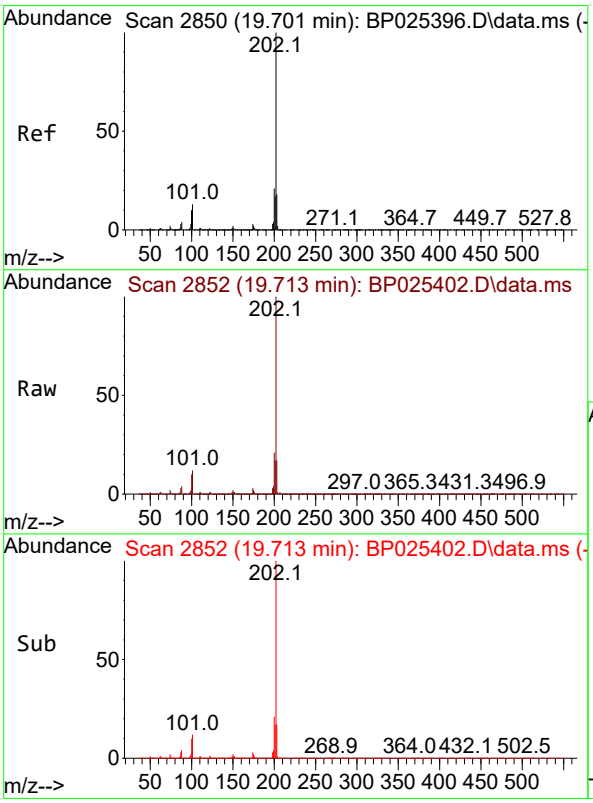
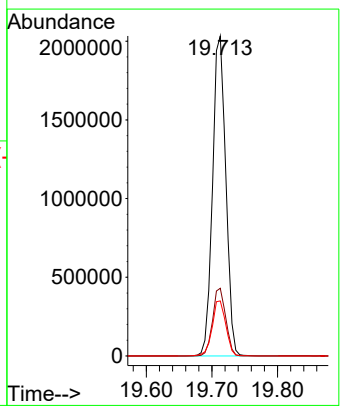
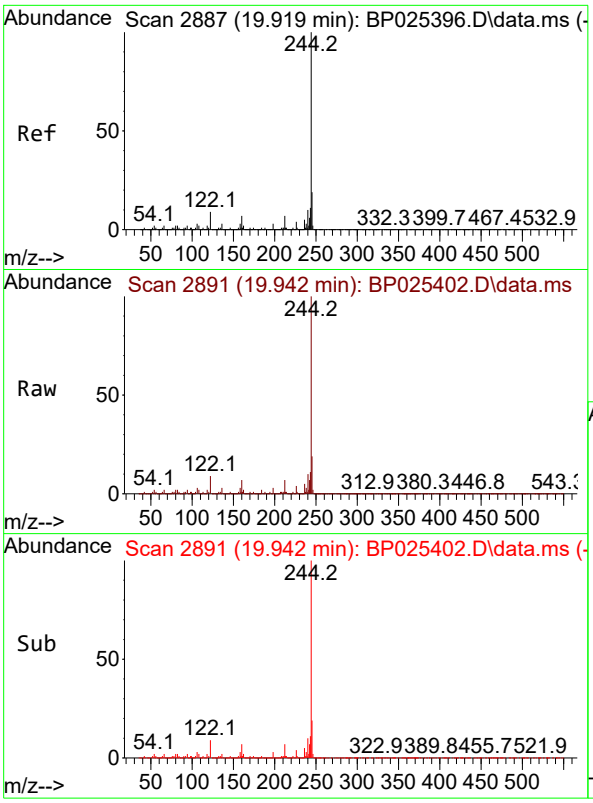


#78
Pyrene
Concen: 46.748 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:202 Resp: 2848697

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.2	14.2	21.2

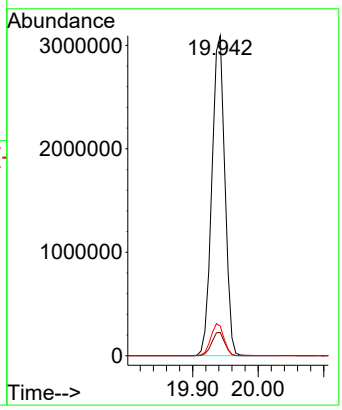




#79
Terphenyl-d14
Concen: 83.062 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:244 Resp: 425635

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.2	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
PB169210BS

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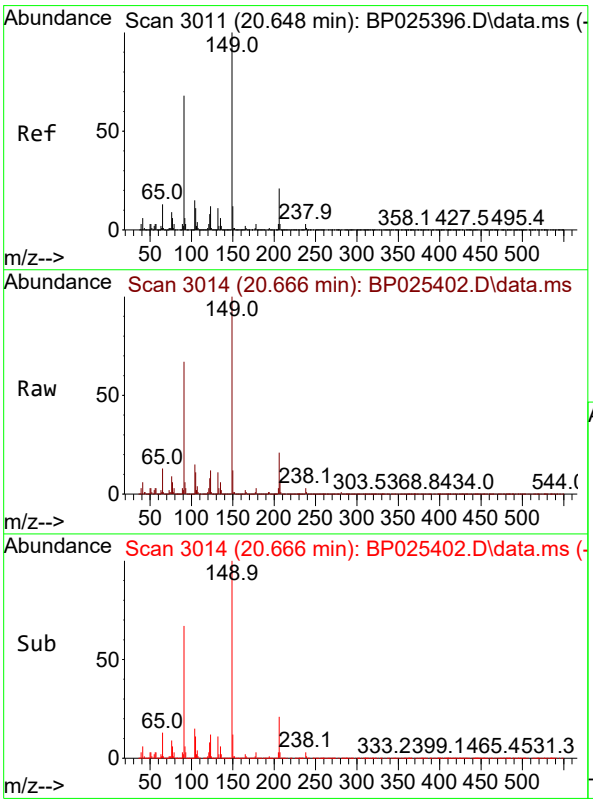
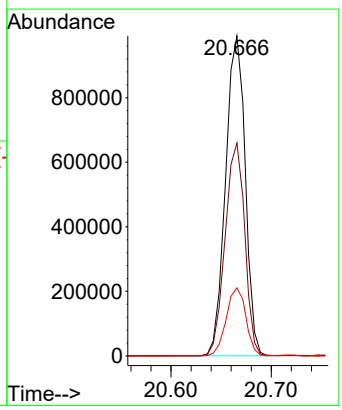
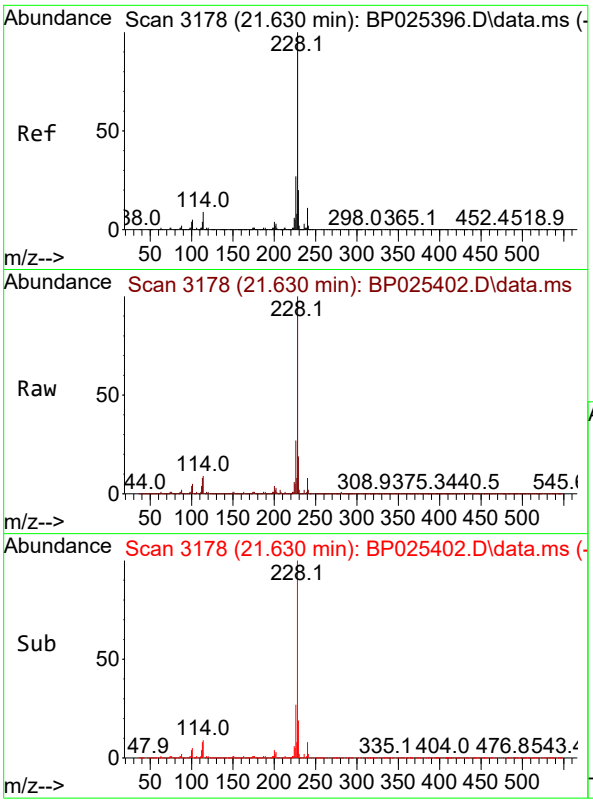


#80
Butylbenzylphthalate
Concen: 48.894 ng
RT: 20.666 min Scan# 3014
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1350312

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.2	81.2
206	21.3	16.6	24.8





#81
Benzo(a)anthracene
Concen: 46.984 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:228 Resp: 290502

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
PB169210BS

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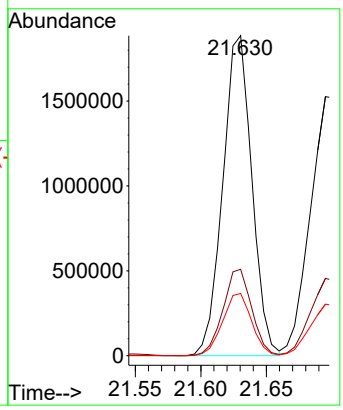
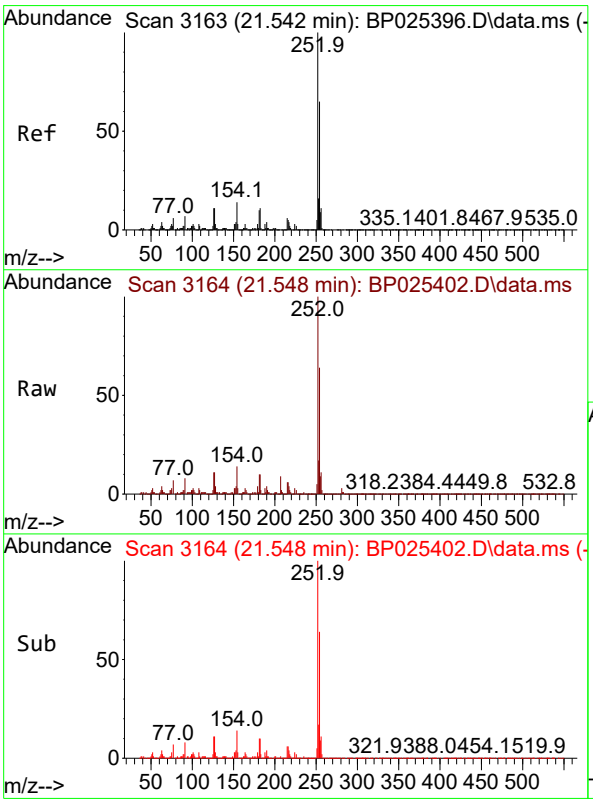
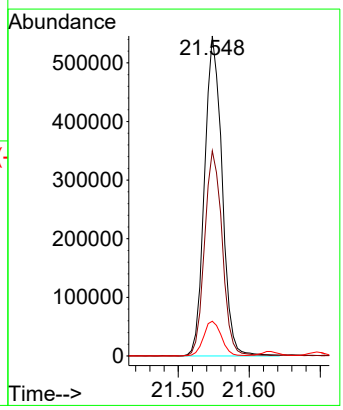


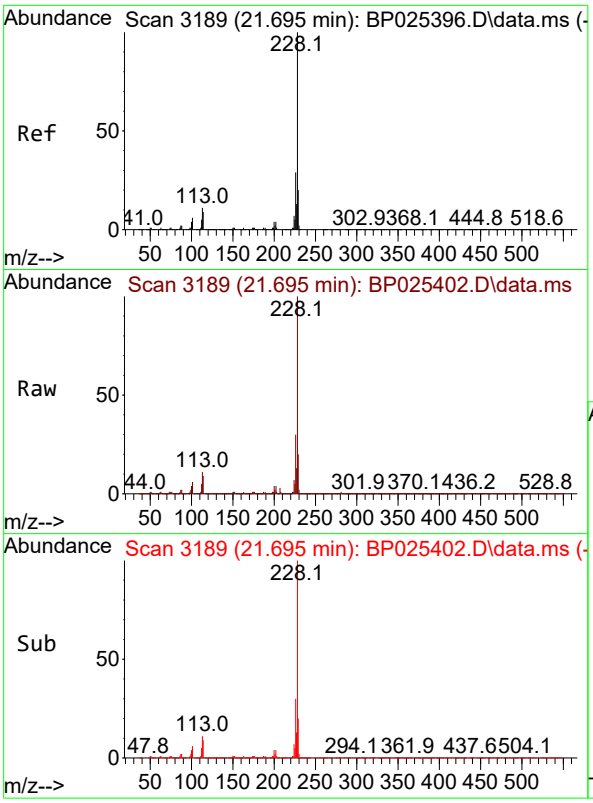


#82
3,3'-Dichlorobenzidine
Concen: 40.194 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 936735

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	10.9	9.1	13.7

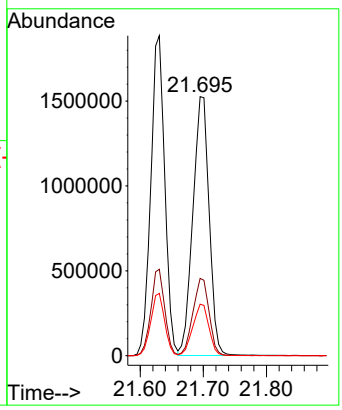




#83
Chrysene
Concen: 47.211 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:228 Resp: 273373

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations
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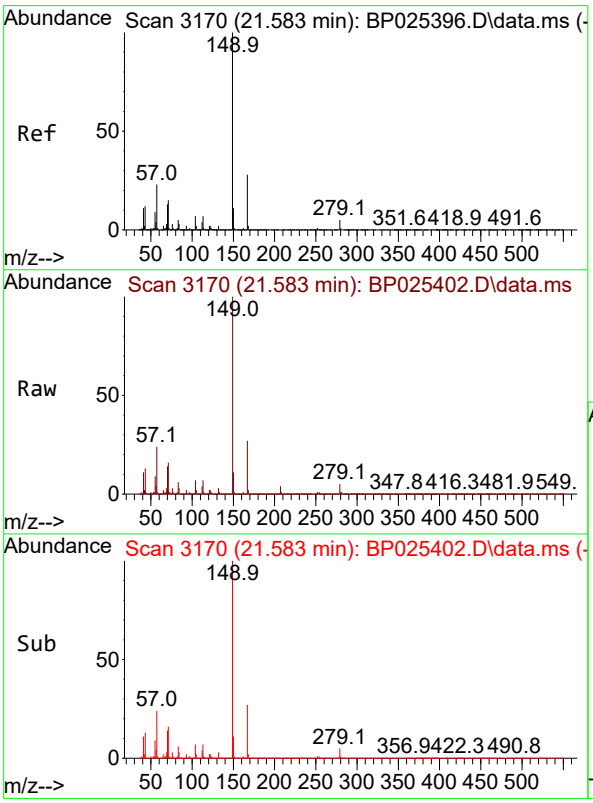
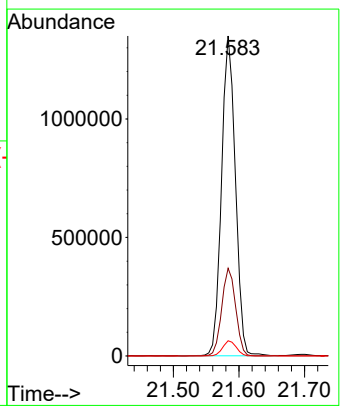
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

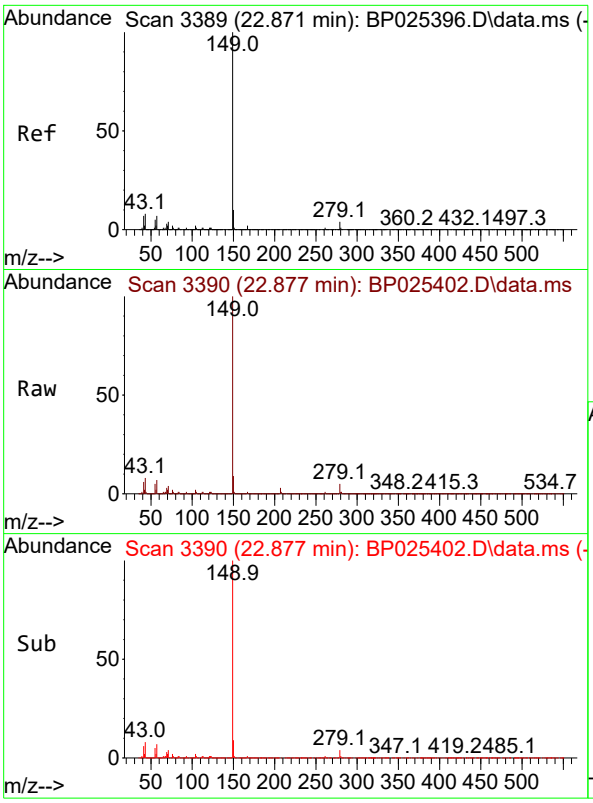


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.532 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1973001

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 47.320 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

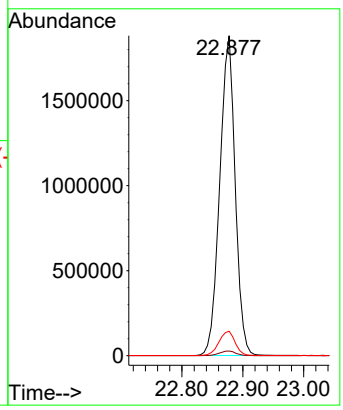
Tgt Ion:149 Resp: 330892

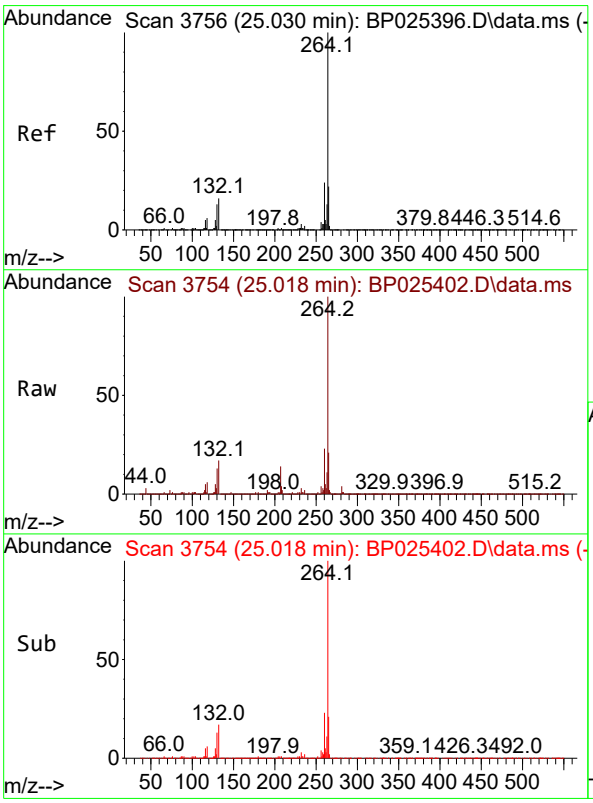
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

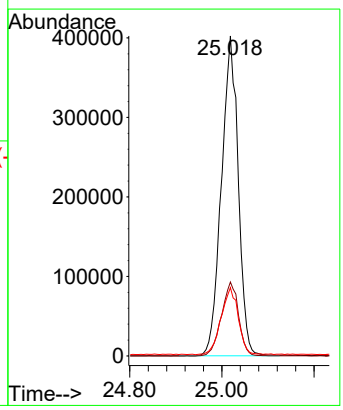


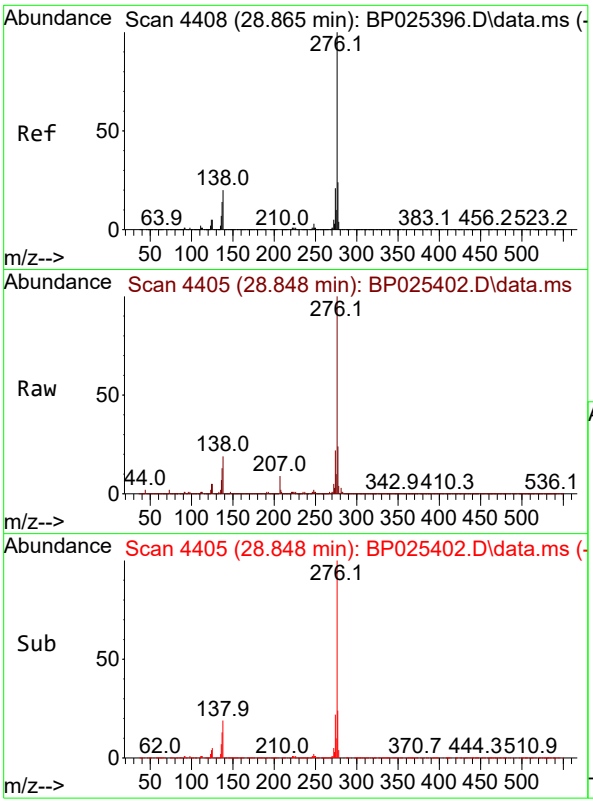


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:264 Resp: 1016818

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.3	28.9
265	21.3	17.4	26.0

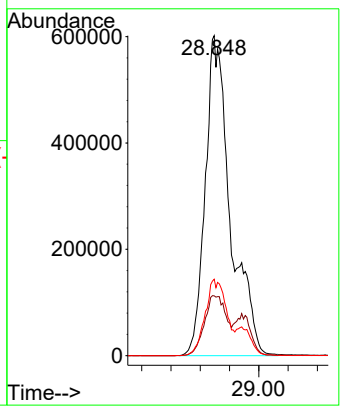




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.225 ng m
RT: 28.848 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:276 Resp: 359611

Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.9	19.3
277	20.3	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations
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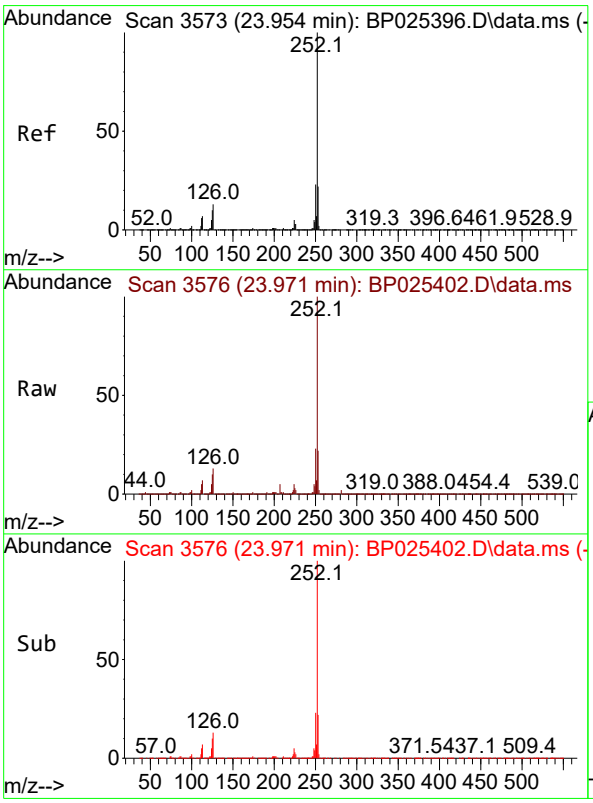
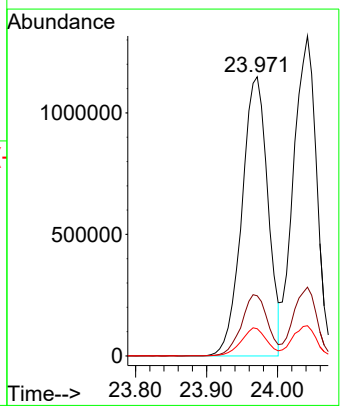
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

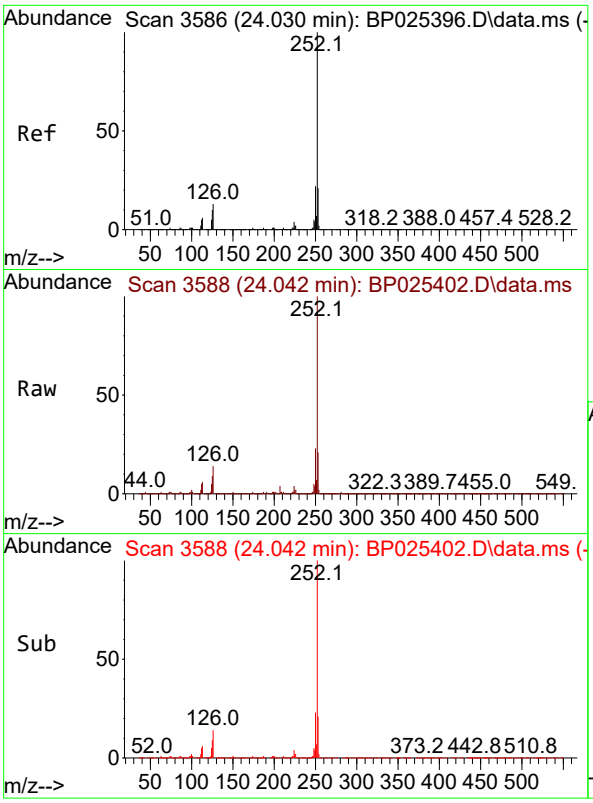


#88
Benzo(b)fluoranthene
Concen: 48.676 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 2918542

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	9.7	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 49.456 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 296734

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	9.5	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations
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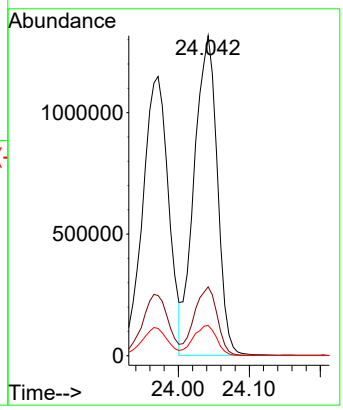
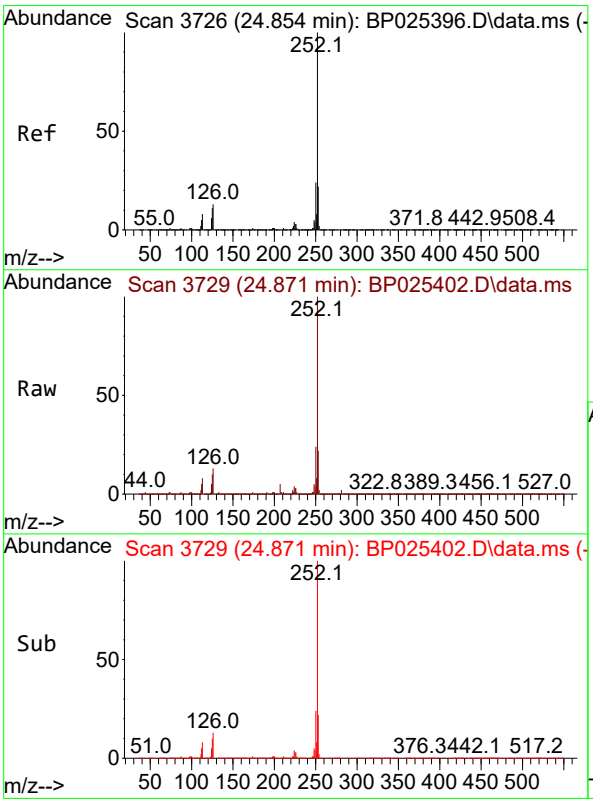
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

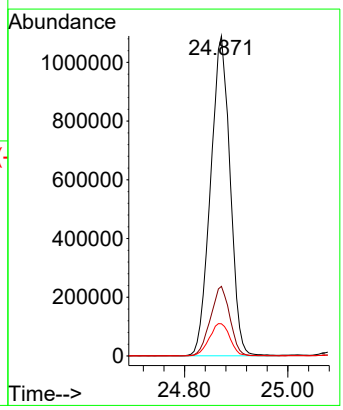


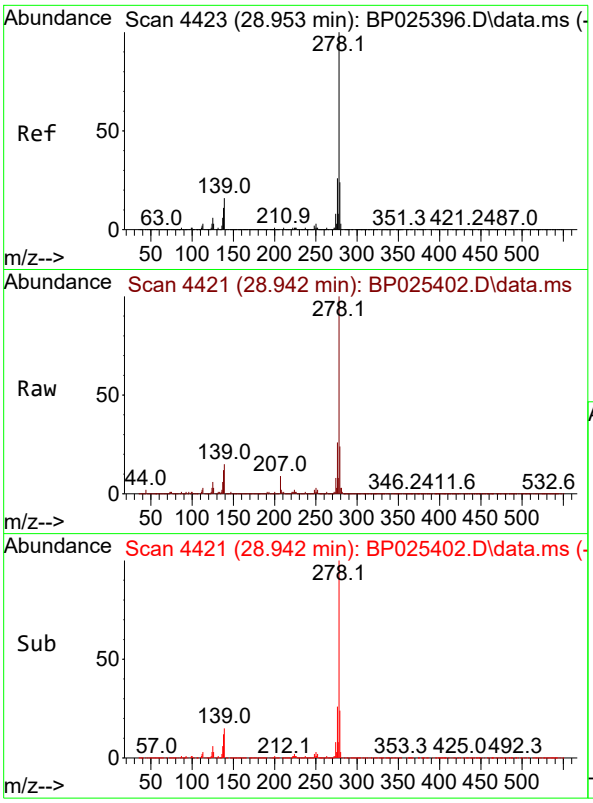


#90
Benzo(a)pyrene
Concen: 48.899 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 2854031

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.1	8.7	13.1

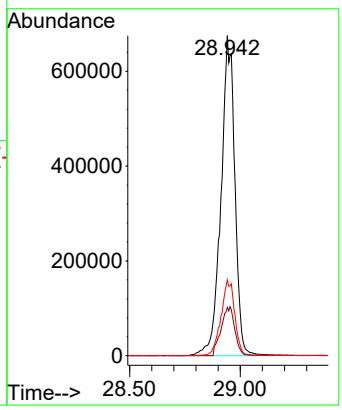




#91
Dibenzo(a,h)anthracene
Concen: 48.354 ng
RT: 28.942 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:278 Resp: 294661

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.7	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
PB169210BS

Manual Integrations
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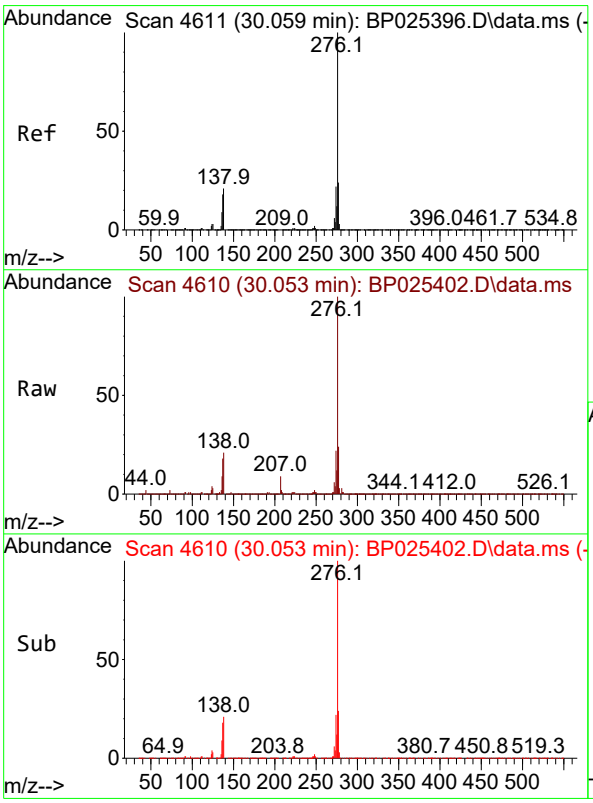
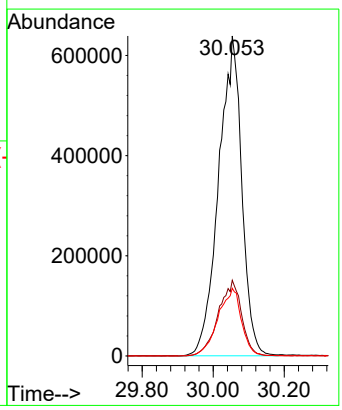
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 48.068 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:276 Resp: 2879368

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	21.1	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169228BS	SDG No.:	Q2820
Lab Sample ID:	PB169228BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	890		160	270	330	ug/Kg
108-95-2	Phenol	1500		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	80.0	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	130	170	ug/Kg
78-59-1	Isophorone	1400		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	1100		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	130	170	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169228BS	SDG No.:	Q2820
Lab Sample ID:	PB169228BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	130	170	ug/Kg
86-73-7	Fluorene	1500		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1500		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	51.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	130	170	ug/Kg
120-12-7	Anthracene	1500		33.3	130	170	ug/Kg
86-74-8	Carbazole	1500		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	130	170	ug/Kg
129-00-0	Pyrene	1500		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	130	170	ug/Kg
218-01-9	Chrysene	1500		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.8	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	130	170	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169228BS			SDG No.:	Q2820
Lab Sample ID:	PB169228BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025407.D	1	08/13/25 09:05	08/15/25 00:18	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125		35 - 115		84%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127		84%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.0		37 - 122		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		44 - 115		73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		39 - 132		85%	SPK: 150
1718-51-0	Terphenyl-d14	77.4		54 - 127		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147000	7.79				
1146-65-2	Naphthalene-d8	607000	10.554				
15067-26-2	Acenaphthene-d10	410000	14.401				
1517-22-2	Phenanthrene-d10	839000	17.189				
1719-03-5	Chrysene-d12	849000	21.642				
1520-96-3	Perylene-d12	946000	25.018				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

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08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	147030	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	606682	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	410001	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	838541	20.000	ng		-0.01
76) Chrysene-d12	21.642	240	848930	20.000	ng		0.00
86) Perylene-d12	25.018	264	946447	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1110154	125.391	ng		0.00
7) Phenol-d6	6.972	99	1425501	125.584	ng		0.00
23) Nitrobenzene-d5	8.931	82	911194	75.976	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	707616	128.223	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2196374	73.213	ng		0.00
79) Terphenyl-d14	19.919	244	3590153	77.373	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	130883	37.741	ng		99
3) Pyridine	3.731	79	324920	34.231	ng		98
4) n-Nitrosodimethylamine	3.637	42	165173	42.209	ng		100
6) Aniline	7.125	93	571326	37.357	ng		99
8) 2-Chlorophenol	7.366	128	455193	45.561	ng		99
9) Benzaldehyde	6.937	77	212043	26.663	ng		97
10) Phenol	6.996	94	551928	46.339	ng		97
11) bis(2-Chloroethyl)ether	7.219	93	390018	42.012	ng		98
12) 1,3-Dichlorobenzene	7.684	146	460503	41.801	ng		99
13) 1,4-Dichlorobenzene	7.825	146	466980	41.472	ng		99
14) 1,2-Dichlorobenzene	8.137	146	456253	41.859	ng		98
15) Benzyl Alcohol	8.025	79	401073	44.470	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.307	45	511027	41.092	ng		100
17) 2-Methylphenol	8.225	107	386767	46.755	ng		100
18) Hexachloroethane	8.860	117	171481	41.420	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	312622	41.580	ng		98
20) 3+4-Methylphenols	8.549	107	528303	46.073	ng		97
22) Acetophenone	8.596	105	658466	43.279	ng	#	98
24) Nitrobenzene	8.972	77	468149	43.677	ng		99
25) Isophorone	9.496	82	915580	43.137	ng		99
26) 2-Nitrophenol	9.672	139	240132	43.654	ng		97
27) 2,4-Dimethylphenol	9.737	122	448325	47.393	ng		98
28) bis(2-Chloroethoxy)met...	9.966	93	546870	42.624	ng		98
29) 2,4-Dichlorophenol	10.207	162	449262	47.808	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	440470	42.758	ng		98
31) Naphthalene	10.607	128	1361279	43.171	ng		99
32) Benzoic acid	9.884	122	336308	48.155	ng		98
33) 4-Chloroaniline	10.707	127	445208	31.964	ng		99
34) Hexachlorobutadiene	10.896	225	272205	42.429	ng		98
35) Caprolactam	11.490	113	162024	47.021	ng		95
36) 4-Chloro-3-methylphenol	11.831	107	511279	47.415	ng		99
37) 2-Methylnaphthalene	12.213	142	895593	43.644	ng		100
38) 1-Methylnaphthalene	12.431	142	932869	42.748	ng		99
40) 1,2,4,5-Tetrachloroben...	12.584	216	506460	42.771	ng		98
41) Hexachlorocyclopentadiene	12.566	237	673801	94.204	ng		98
43) 2,4,6-Trichlorophenol	12.819	196	371415	46.461	ng		98

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Data File : BP025407.D
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Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB169228BS

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	416860	47.579	ng	97
46) 1,1'-Biphenyl	13.225	154	1304149	43.798	ng	100
47) 2-Chloronaphthalene	13.266	162	1016595	43.855	ng	99
48) 2-Nitroaniline	13.466	65	314909	46.623	ng	96
49) Acenaphthylene	14.119	152	1706619	44.492	ng	100
50) Dimethylphthalate	13.854	163	1374506	45.780	ng	100
51) 2,6-Dinitrotoluene	13.966	165	301444	47.635	ng	99
52) Acenaphthene	14.466	154	996925	44.278	ng	100
53) 3-Nitroaniline	14.295	138	248427	34.892	ng	95
54) 2,4-Dinitrophenol	14.501	184	370101	109.516	ng	98
55) Dibenzofuran	14.801	168	1572174	44.166	ng	98
56) 4-Nitrophenol	14.619	139	563832	96.372	ng	97
57) 2,4-Dinitrotoluene	14.754	165	433702	48.036	ng	97
58) Fluorene	15.460	166	1231357	43.839	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	369543	47.768	ng	99
60) Diethylphthalate	15.236	149	1395643	45.748	ng	99
61) 4-Chlorophenyl-phenyle...	15.454	204	617842	44.228	ng	100
62) 4-Nitroaniline	15.472	138	326180	44.688	ng	97
63) Azobenzene	15.754	77	1182478	45.267	ng	99
65) 4,6-Dinitro-2-methylph...	15.536	198	256489	49.069	ng	98
66) n-Nitrosodiphenylamine	15.672	169	1141054	44.624	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	406073	44.031	ng	97
68) Hexachlorobenzene	16.483	284	477112	44.629	ng	98
69) Atrazine	16.648	200	436604	45.593	ng	98
70) Pentachlorophenol	16.836	266	647332	95.922	ng	97
71) Phenanthrene	17.236	178	2049033	44.483	ng	100
72) Anthracene	17.330	178	2071926	44.046	ng	100
73) Carbazole	17.607	167	1984094	44.780	ng	99
74) Di-n-butylphthalate	18.201	149	2442996	44.814	ng	100
75) Fluoranthene	19.324	202	2426038	44.153	ng	99
77) Benzidine	19.513	184	1396799	48.212	ng	99
78) Pyrene	19.701	202	2461482	44.610	ng	100
80) Butylbenzylphthalate	20.654	149	1144283	45.758	ng	99
81) Benzo(a)anthracene	21.624	228	2552604	45.593	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	665844	31.552	ng	99
83) Chrysene	21.695	228	2383389	45.457	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1660300	45.102	ng	100
85) Di-n-octyl phthalate	22.865	149	2881260	45.504	ng	100
87) Indeno(1,2,3-cd)pyrene	28.842	276	3210651m	46.257	ng	
88) Benzo(b)fluoranthene	23.948	252	2645452	47.402	ng	98
89) Benzo(k)fluoranthene	24.007	252	2554212	45.736	ng	99
90) Benzo(a)pyrene	24.848	252	2544632	46.840	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2636878	46.488	ng	98
92) Benzo(g,h,i)perylene	30.024	276	2572611	46.141	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Instrument :
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ClientSampleId :
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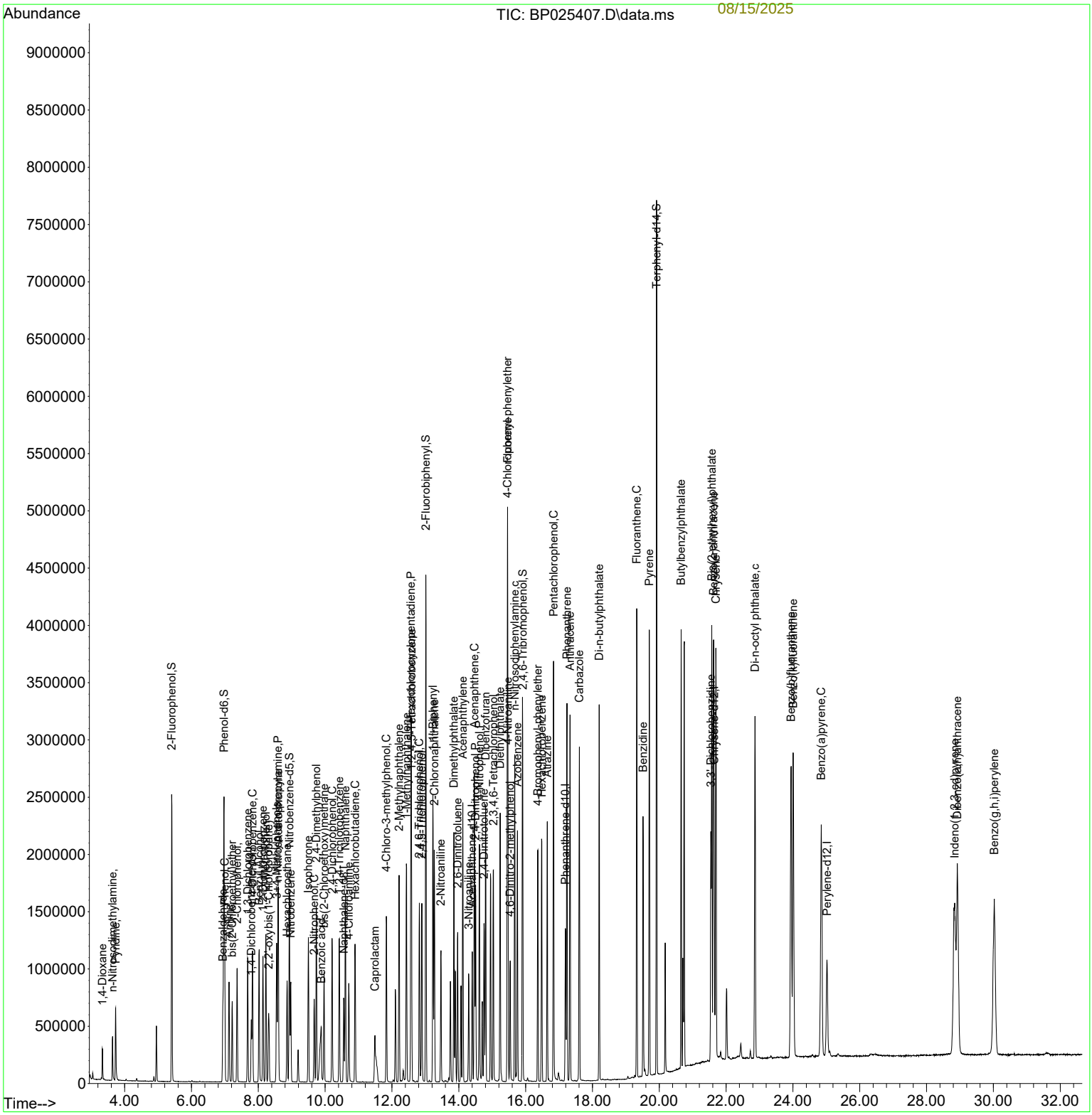
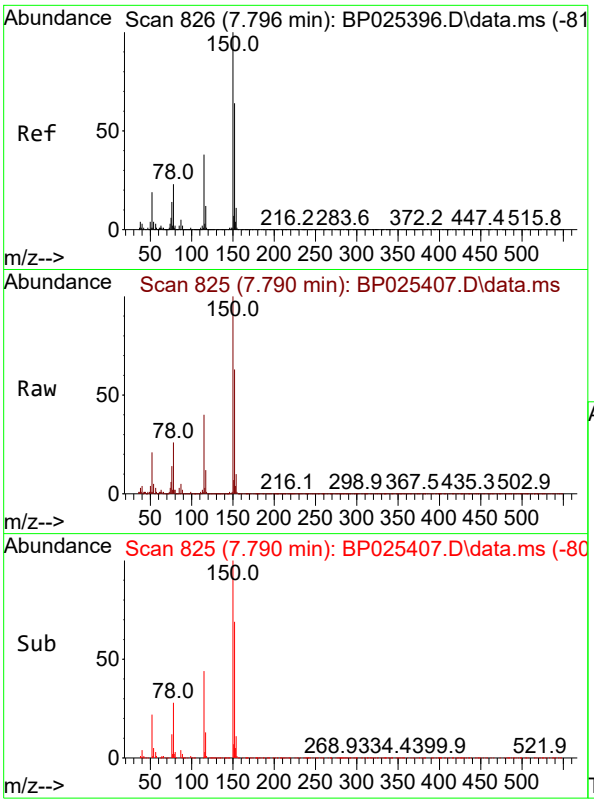
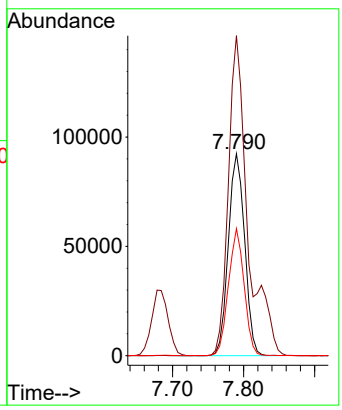




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:152 Resp: 14703

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	62.9	48.5	72.7



Instrument :
BNA_P
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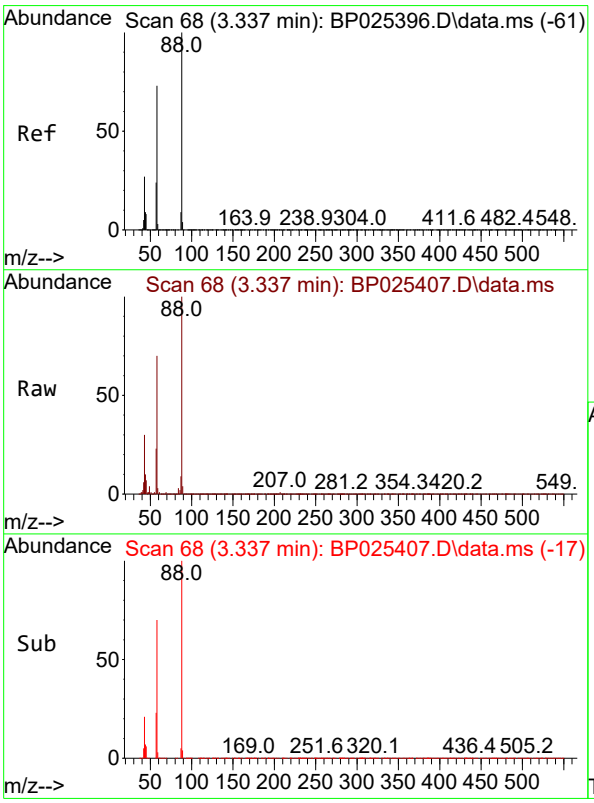
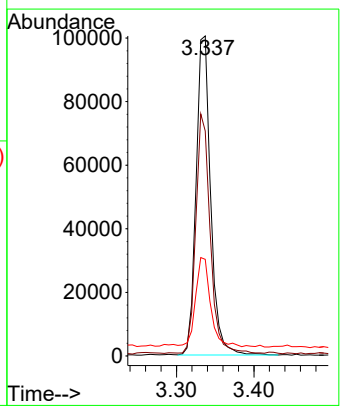
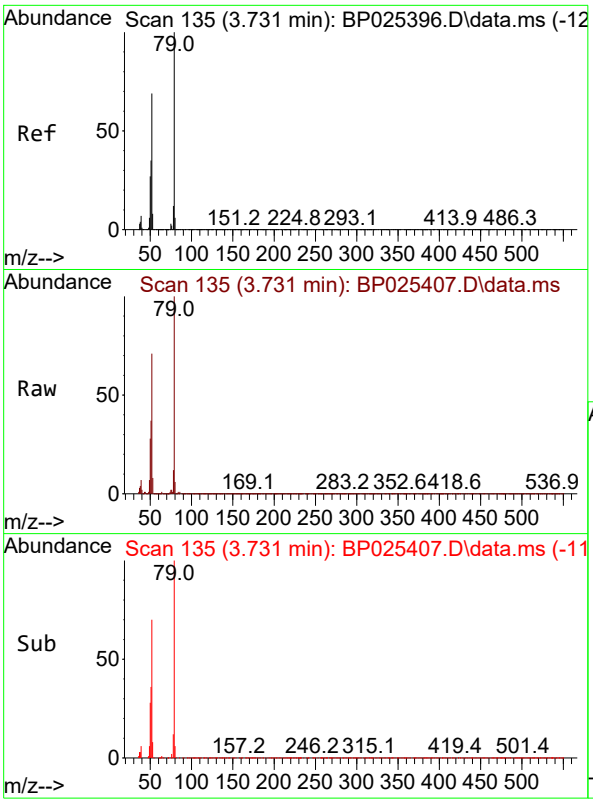


#2
1,4-Dioxane
Concen: 37.741 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 88 Resp: 130883

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	28.5	21.7	32.5

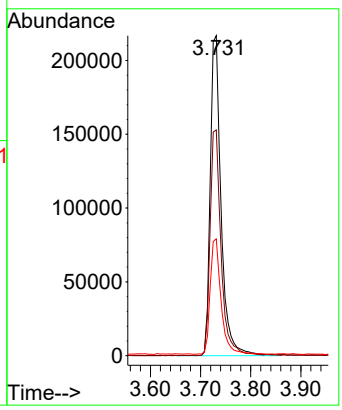




#3
Pyridine
Concen: 34.231 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 79 Resp: 3249

Ion	Ratio	Lower	Upper
79	100		
52	70.5	55.5	83.3
51	36.5	28.3	42.5



Instrument :
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ClientSampleId :
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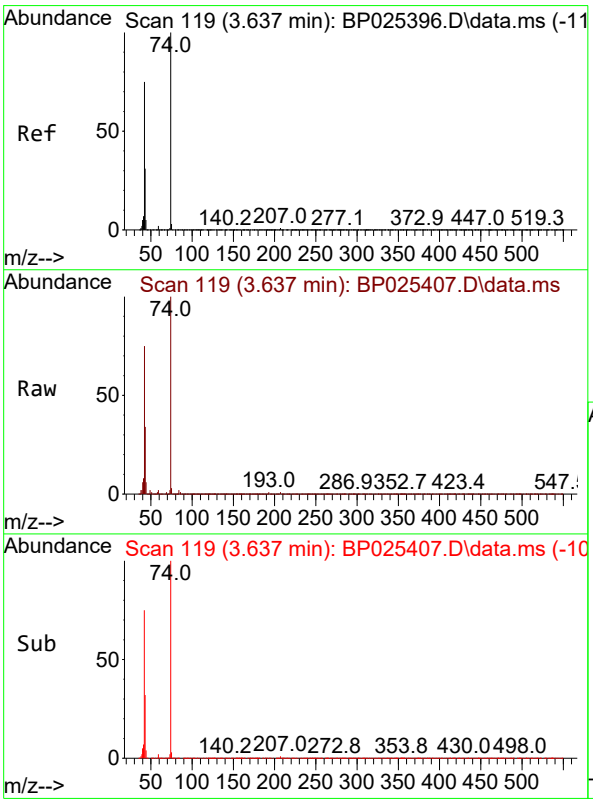
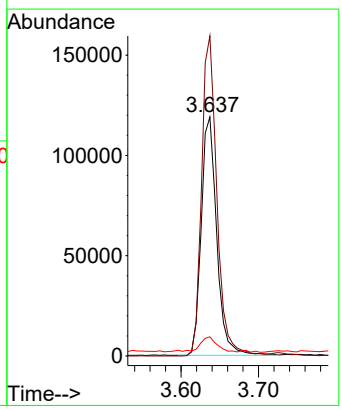
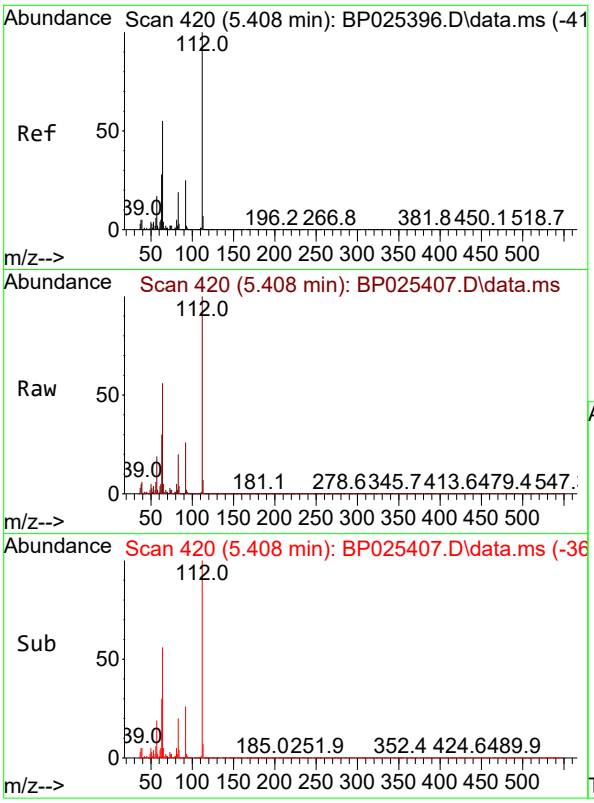


#4
n-Nitrosodimethylamine
Concen: 42.209 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 42 Resp: 165173

Ion	Ratio	Lower	Upper
42	100		
74	133.9	107.0	160.4
44	8.0	6.2	9.4

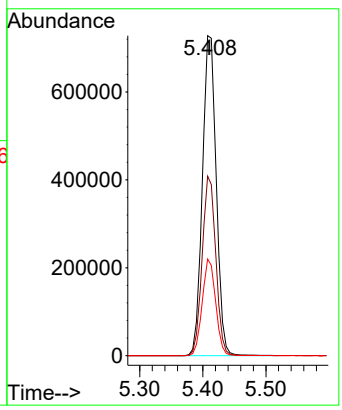




#5
2-Fluorophenol
Concen: 125.391 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:112 Resp: 111015

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	30.2	22.7	34.1



Instrument :
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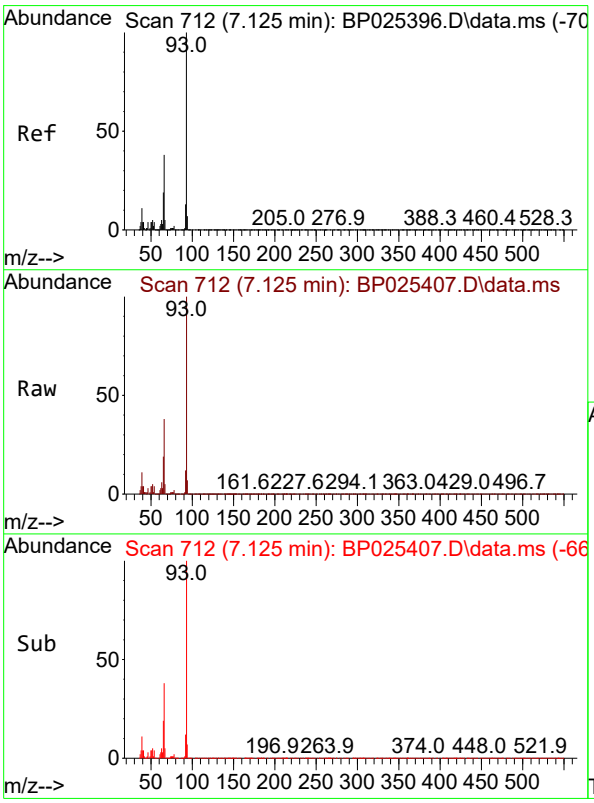
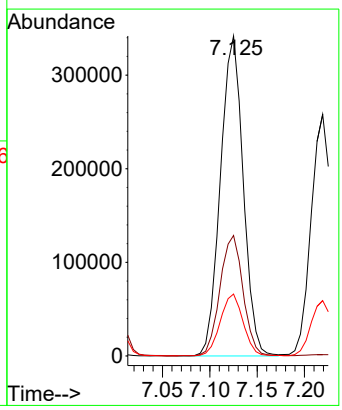
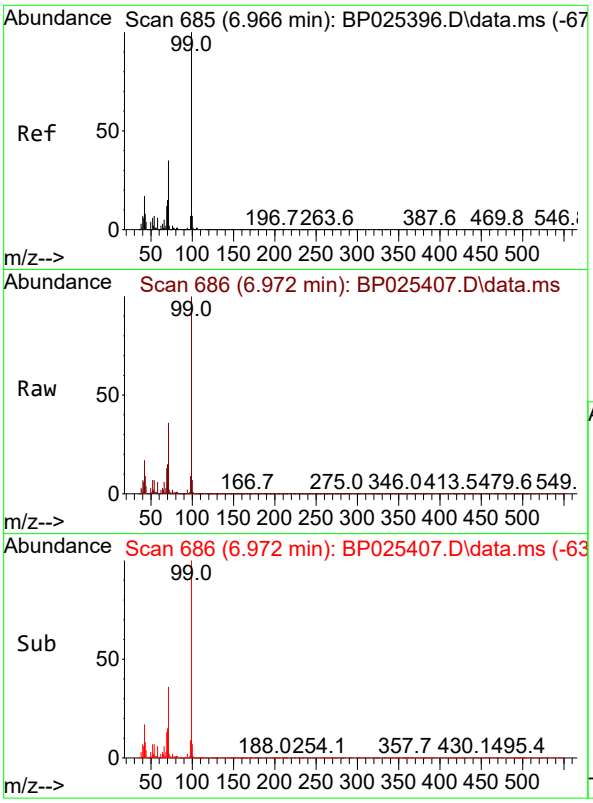


#6
Aniline
Concen: 37.357 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 93 Resp: 571326

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.4	45.6
65	19.4	15.3	22.9

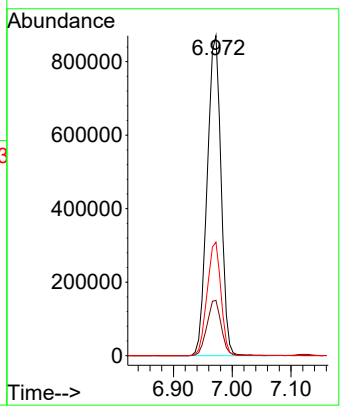




#7
Phenol-d6
Concen: 125.584 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 99 Resp: 142550

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	35.5	28.2	42.4



Instrument :
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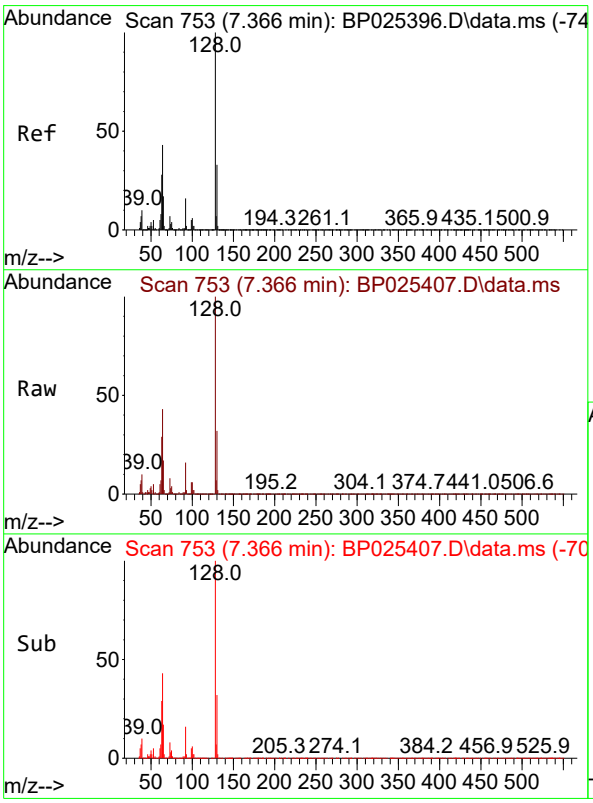
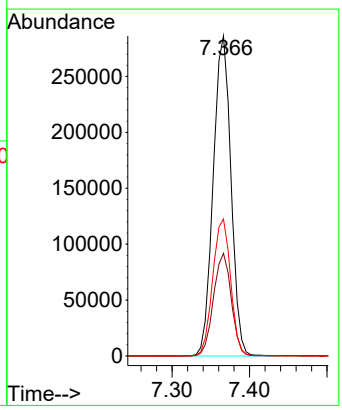
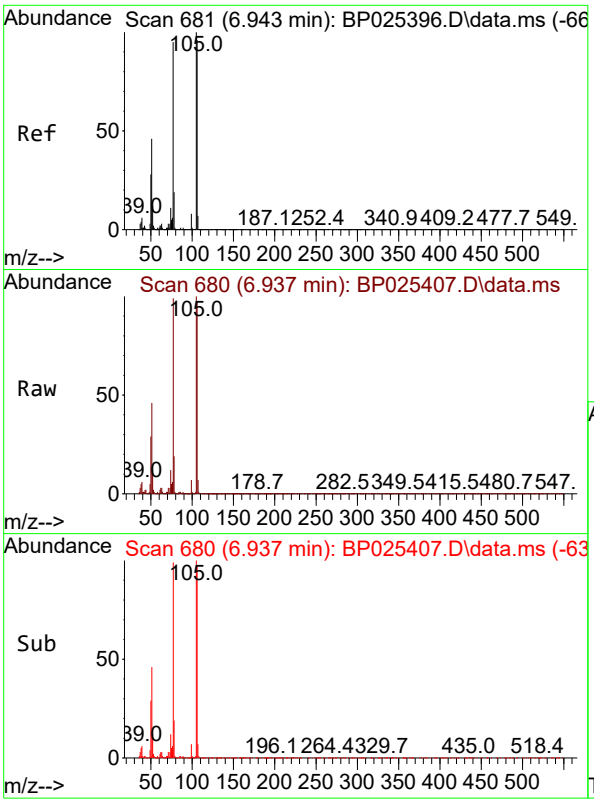


#8
2-Chlorophenol
Concen: 45.561 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:128 Resp: 455193

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	42.8	23.4	63.4

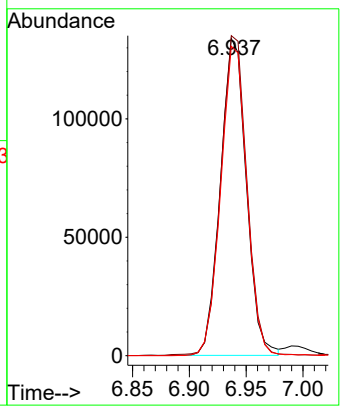




#9
Benzaldehyde
Concen: 26.663 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 77 Resp: 21204

Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	97.6	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
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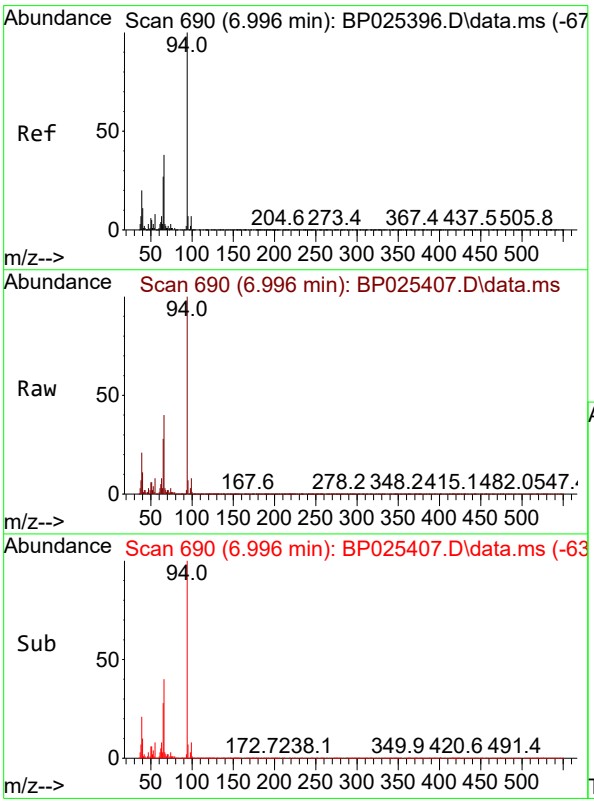
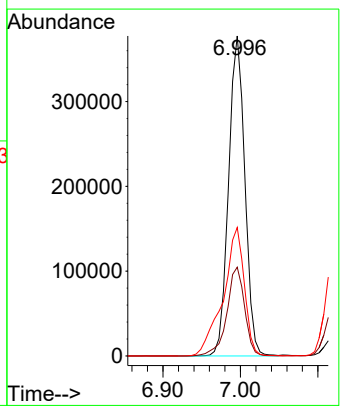
08/15/2025

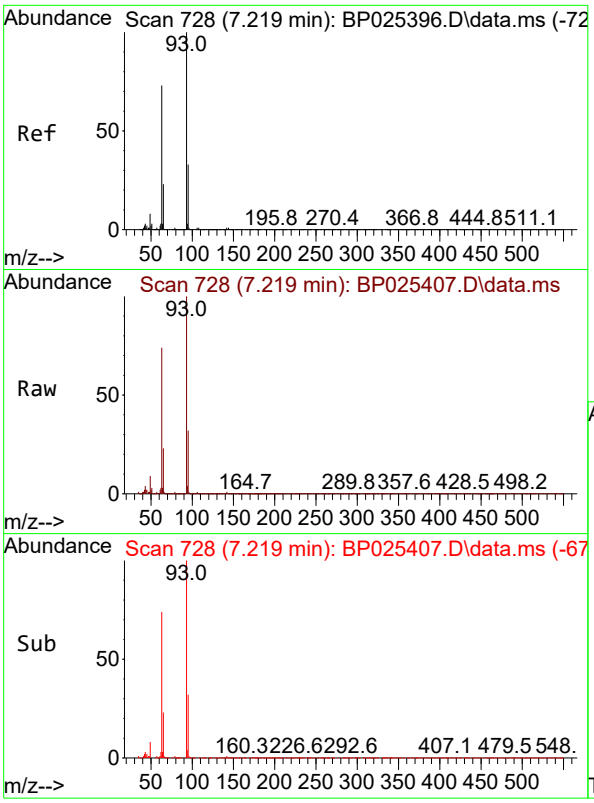


#10
Phenol
Concen: 46.339 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 94 Resp: 551928

Ion	Ratio	Lower	Upper
94	100		
65	27.8	6.8	46.8
66	40.2	18.2	58.2

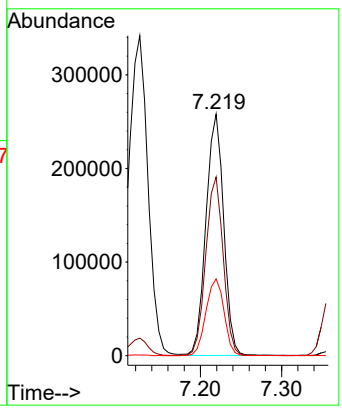




#11
bis(2-Chloroethyl)ether
Concen: 42.012 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 93 Resp: 39001

Ion	Ratio	Lower	Upper
93	100		
63	74.0	52.6	92.6
95	31.8	12.7	52.7



Instrument :
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ClientSampleId :
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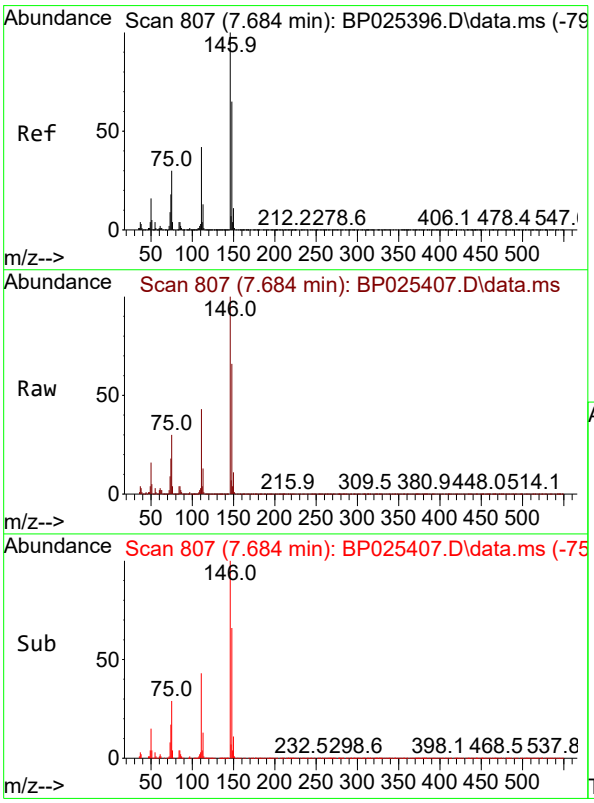
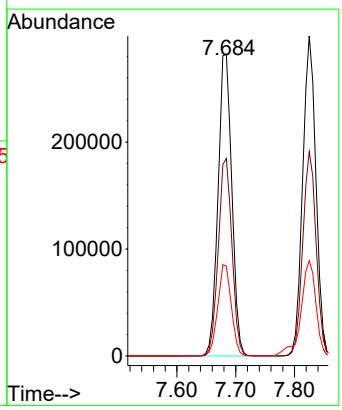
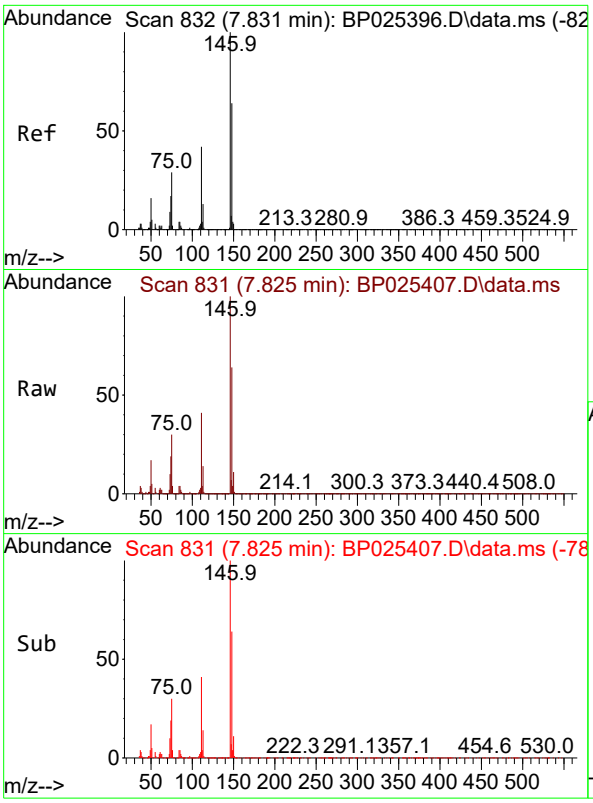


#12
1,3-Dichlorobenzene
Concen: 41.801 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:146 Resp: 460503

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
75	29.8	23.7	35.5

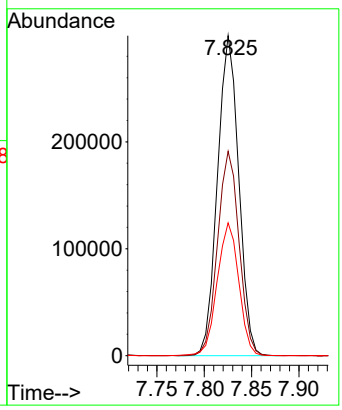




#13
1,4-Dichlorobenzene
Concen: 41.472 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:146 Resp: 46698

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	41.5	33.4	50.0



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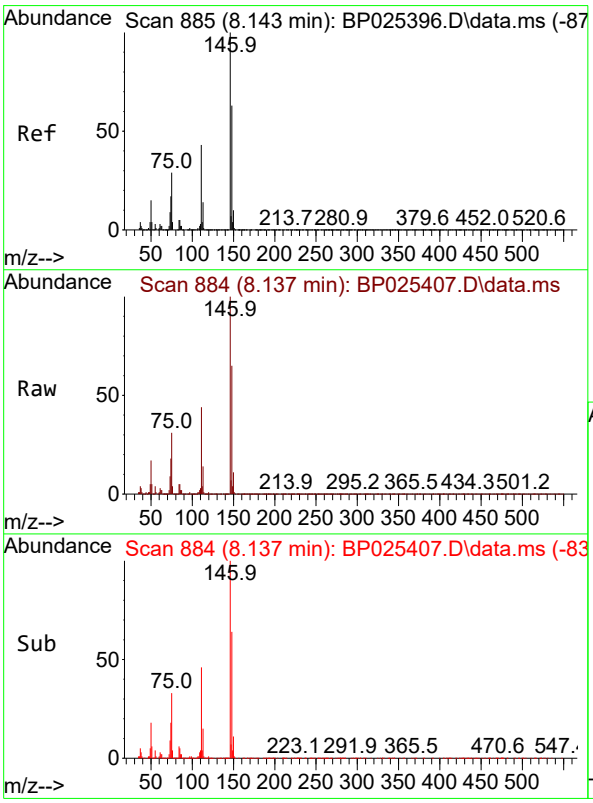
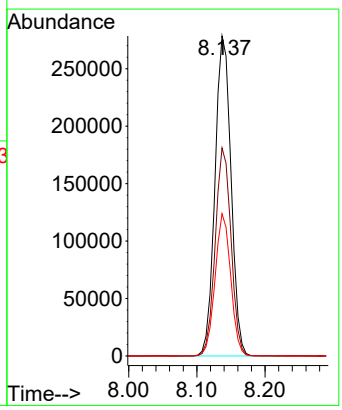
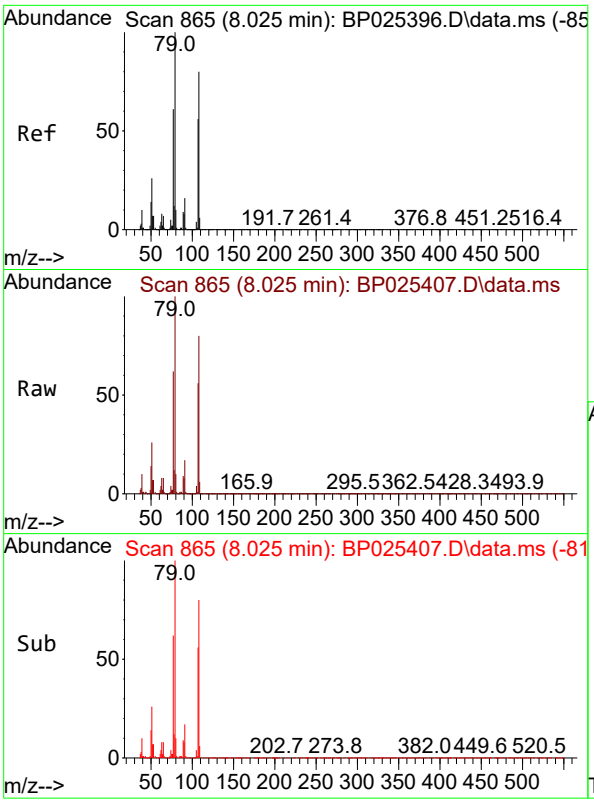


#14
1,2-Dichlorobenzene
Concen: 41.859 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:146 Resp: 456253

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	44.4	34.5	51.7

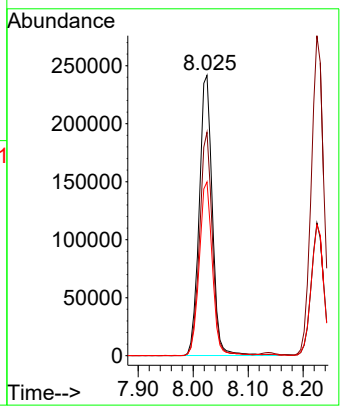




#15
Benzyl Alcohol
Concen: 44.470 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 79 Resp: 40107

Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.8	95.6
77	62.0	49.0	73.4



Instrument :
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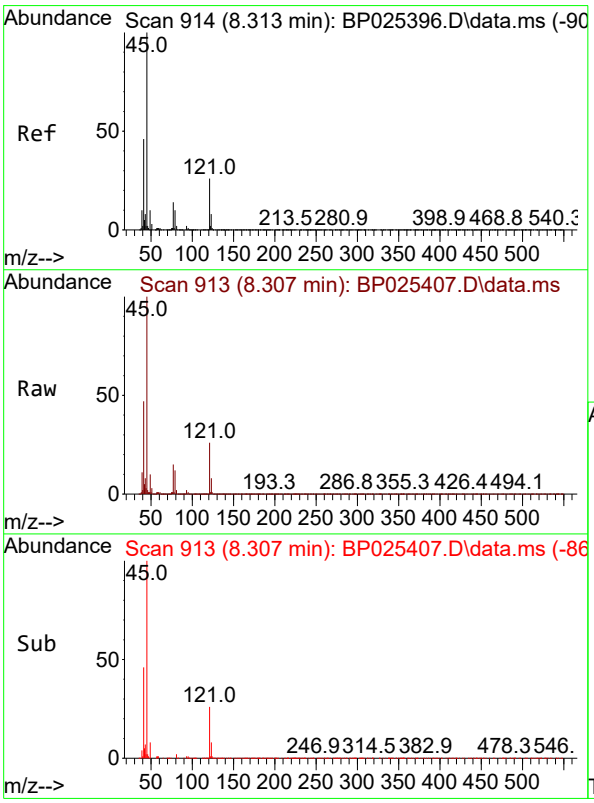
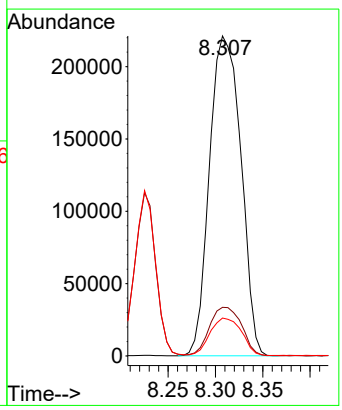
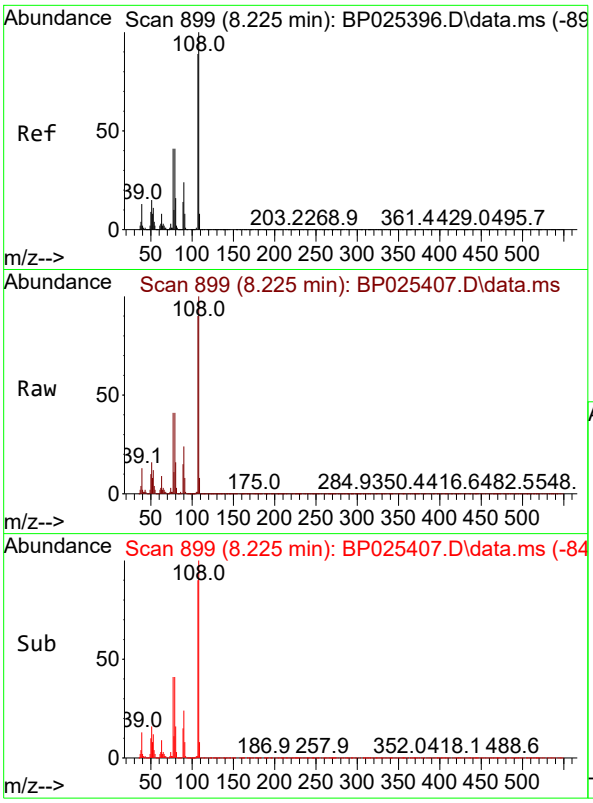


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.092 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 45 Resp: 511027

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.3
79	11.8	0.0	31.8

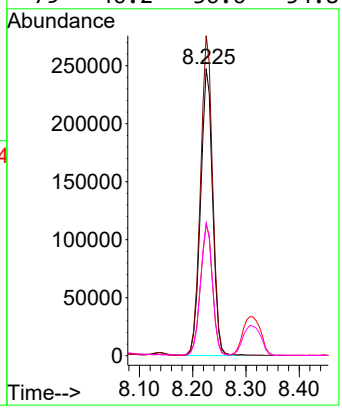




#17
2-Methylphenol
Concen: 46.755 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:107 Resp: 38676

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	45.6	36.3	54.5
79	46.2	36.6	54.8



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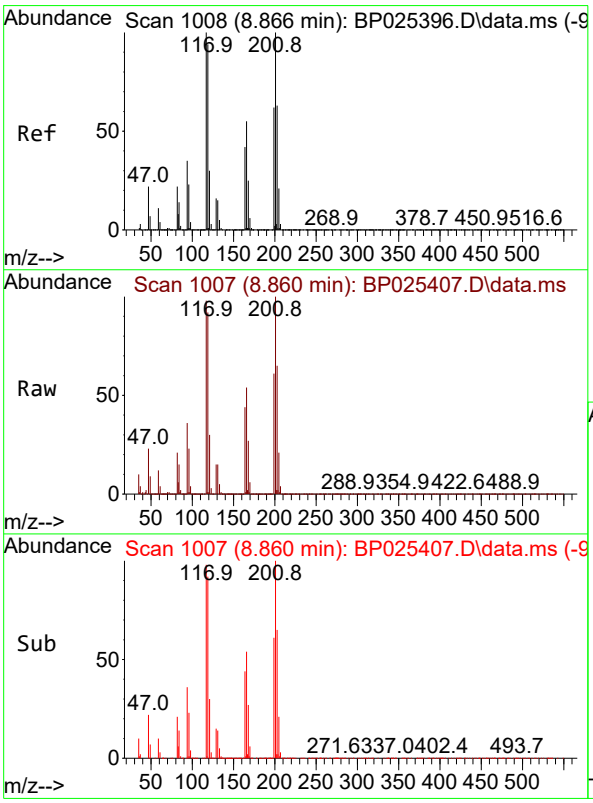
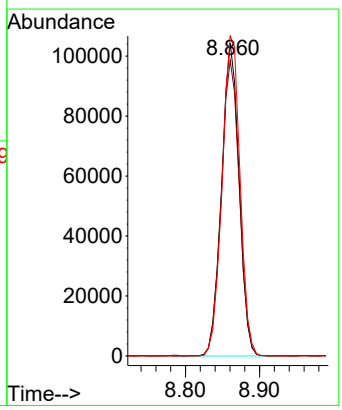
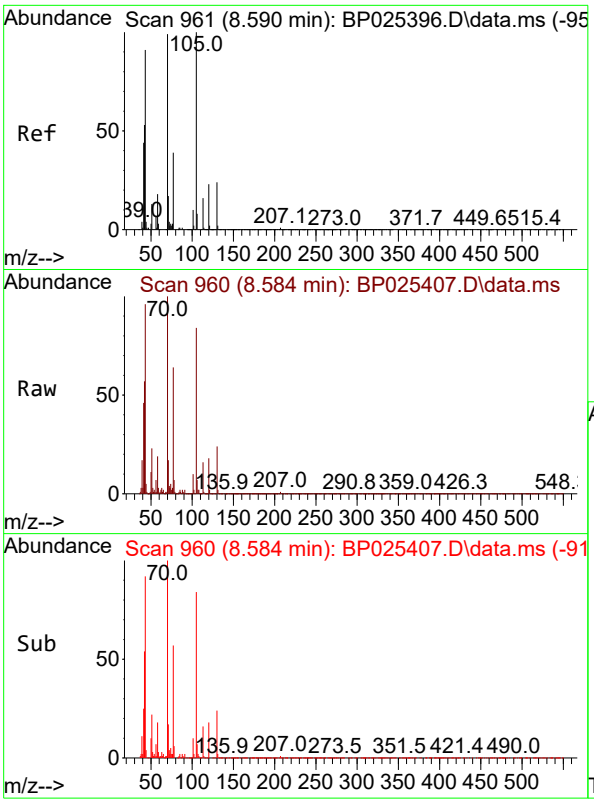


#18
Hexachloroethane
Concen: 41.420 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:117 Resp: 171481

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	102.3	80.1	120.1

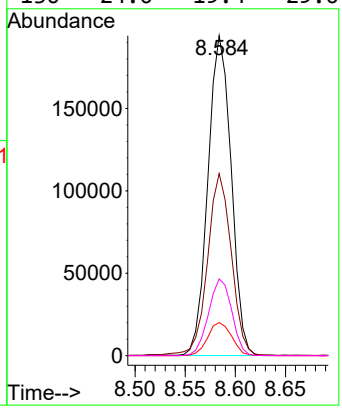




#19
n-Nitroso-di-n-propylamine
Concen: 41.580 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 70 Resp: 31262

Ion	Ratio	Lower	Upper
70	100		
42	56.9	43.8	65.6
101	10.4	8.5	12.7
130	24.0	19.4	29.0



Instrument :
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ClientSampleId :
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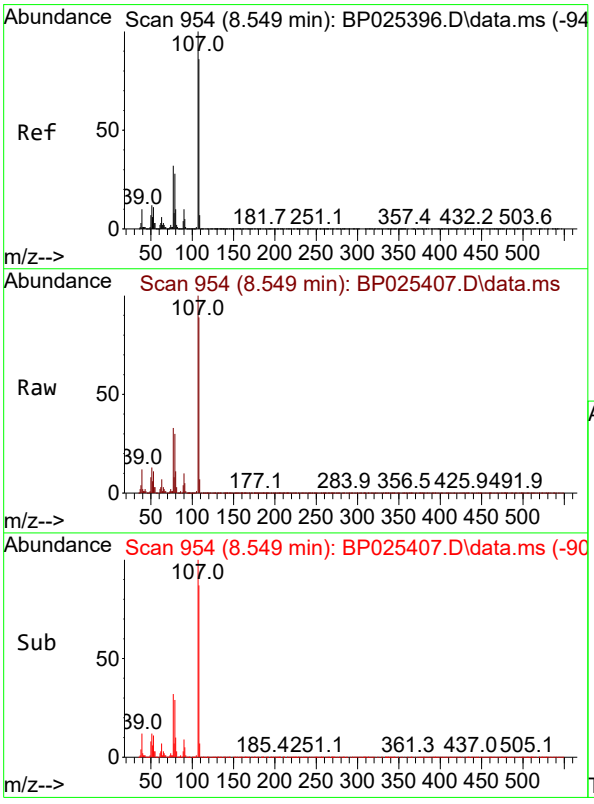
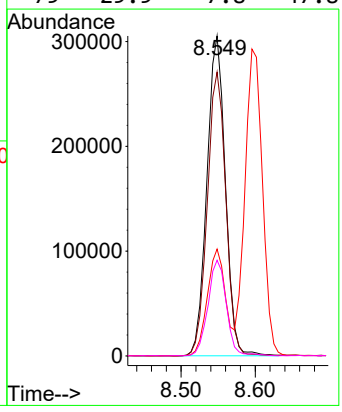
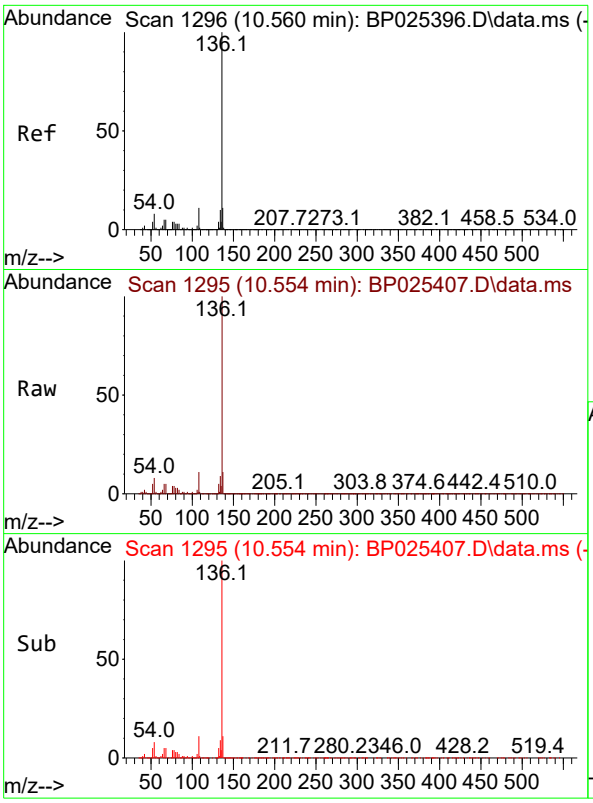


#20
3+4-Methylphenols
Concen: 46.073 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:107 Resp: 528303

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.4	12.3	52.3
79	29.9	7.8	47.8

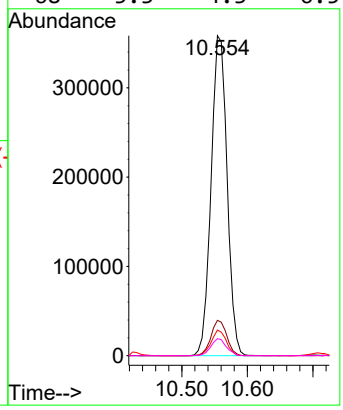




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:136 Resp: 60668

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5



Instrument :
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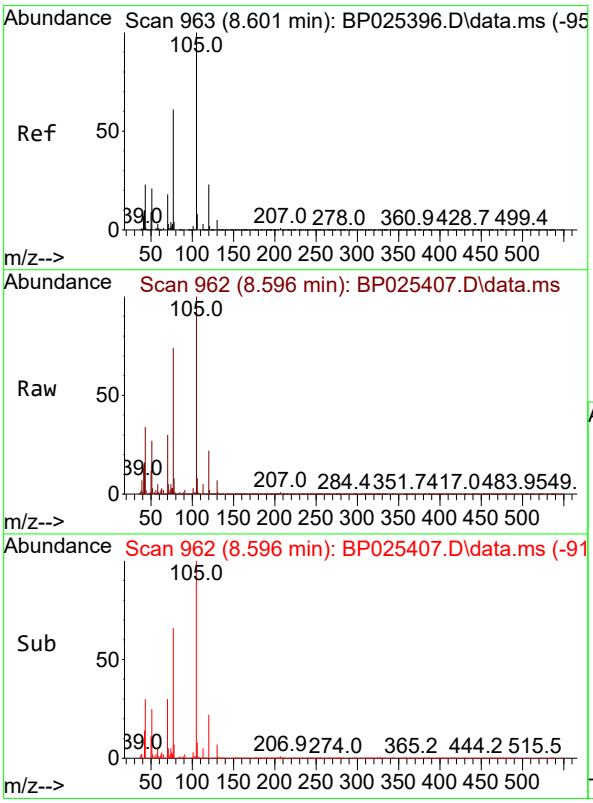
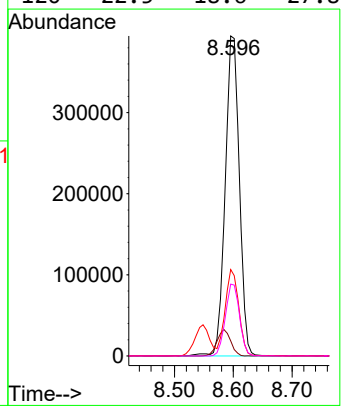
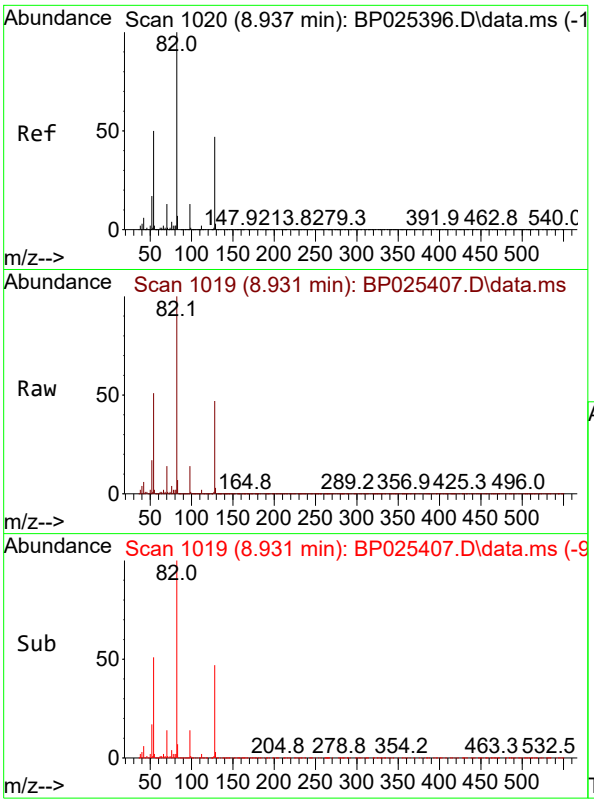


#22
Acetophenone
Concen: 43.279 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:105 Resp: 658466

Ion	Ratio	Lower	Upper
105	100		
71	4.7	2.6	4.0#
51	27.0	20.6	30.8
120	22.5	18.6	27.8

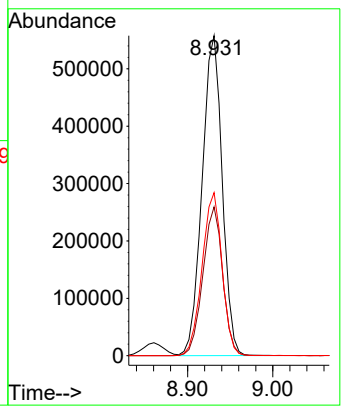




#23
Nitrobenzene-d5
Concen: 75.976 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 82 Resp: 91119

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	51.0	39.8	59.6



Instrument :
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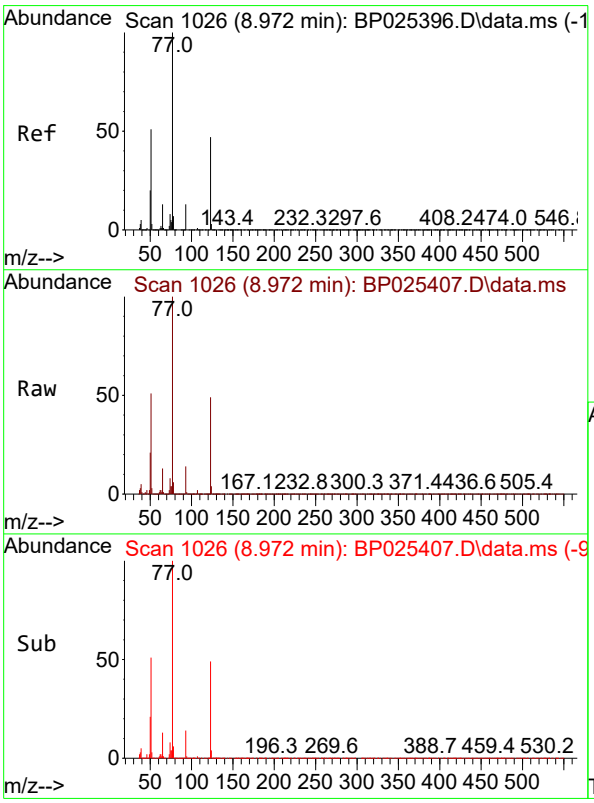
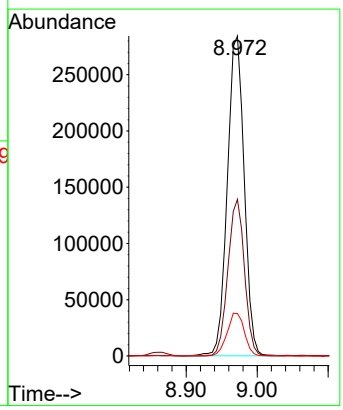
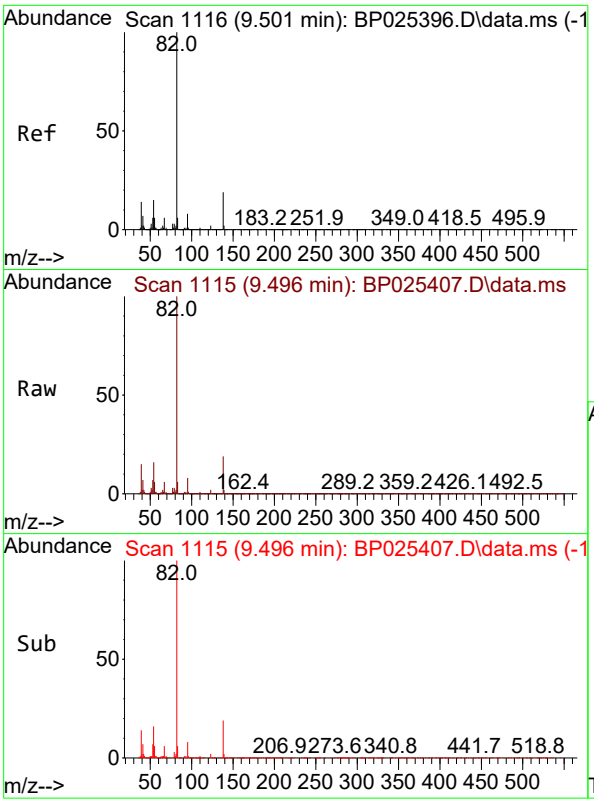


#24
Nitrobenzene
Concen: 43.677 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 77 Resp: 468149

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	58.0
65	13.2	10.6	15.8

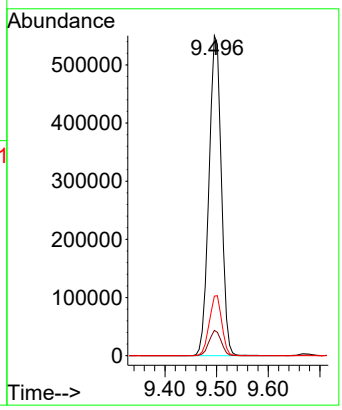




#25
Isophorone
Concen: 43.137 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 82 Resp: 91558

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.6	15.4	23.0



Instrument :
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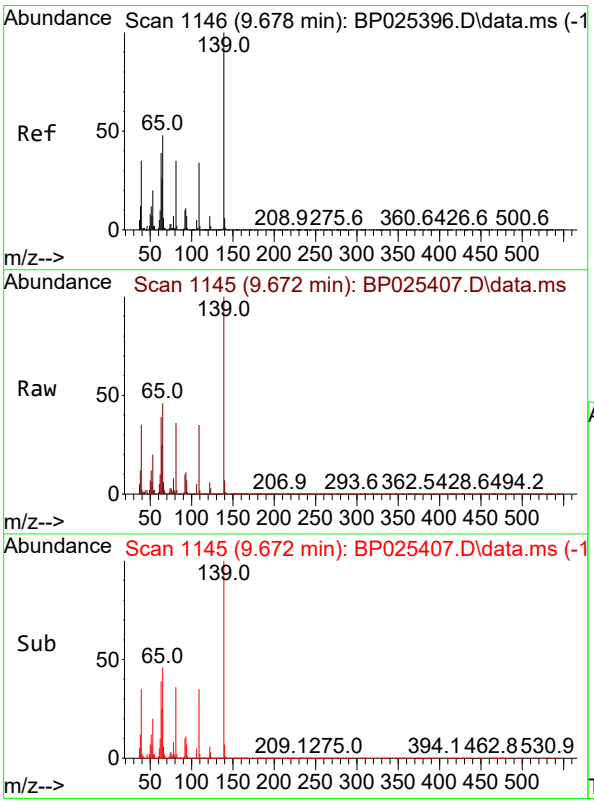
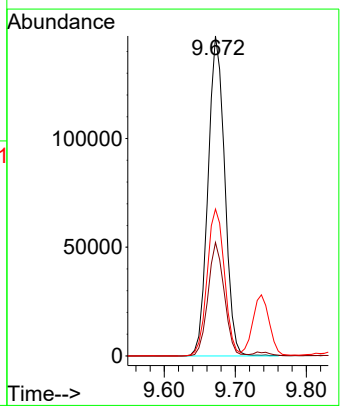
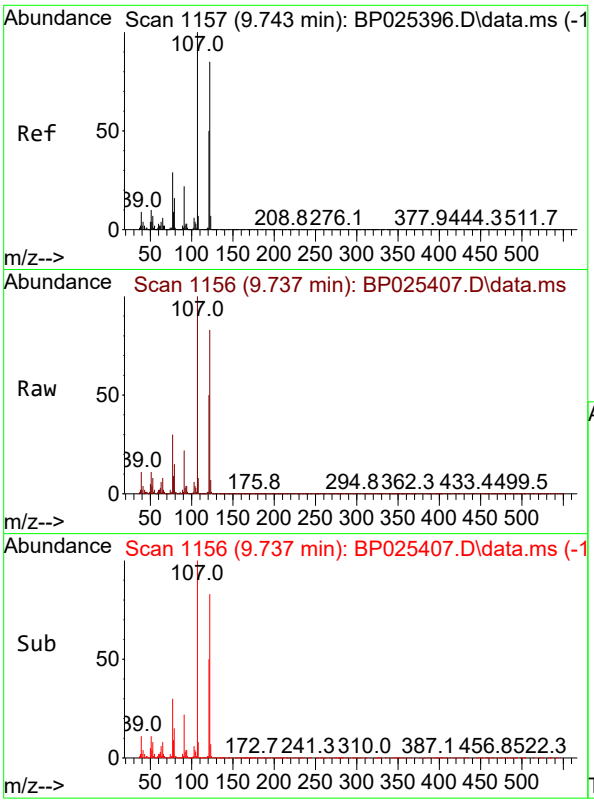


#26
2-Nitrophenol
Concen: 43.654 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:139 Resp: 240132

Ion	Ratio	Lower	Upper
139	100		
109	35.4	26.9	40.3
65	45.9	38.3	57.5

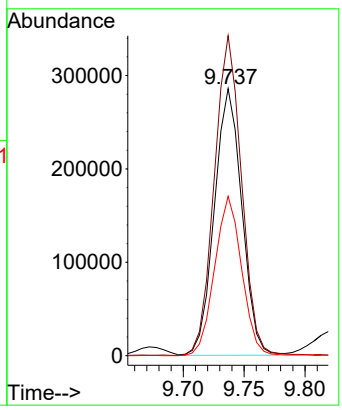




#27
2,4-Dimethylphenol
Concen: 47.393 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:122 Resp: 44832

Ion	Ratio	Lower	Upper
122	100		
107	119.8	93.7	140.5
121	59.7	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
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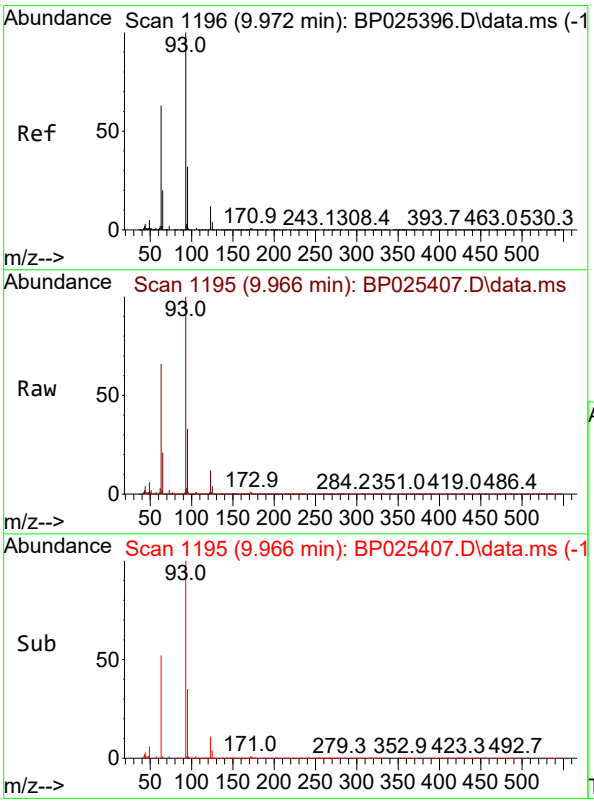
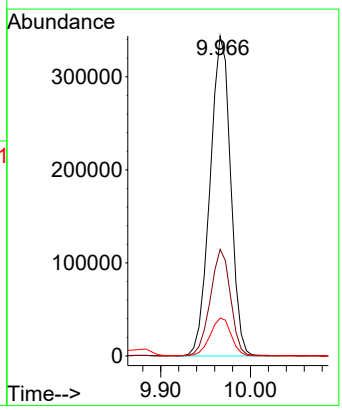
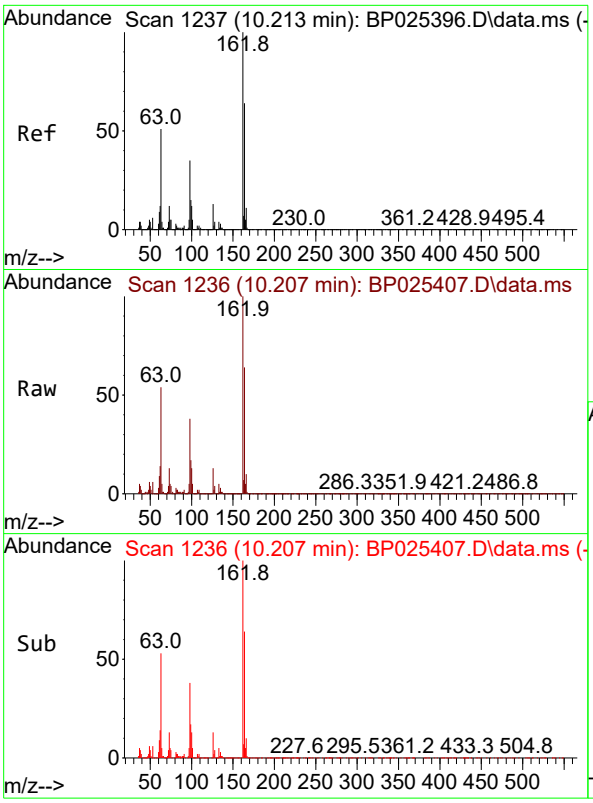


#28
bis(2-Chloroethoxy)methane
Concen: 42.624 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 93 Resp: 546870

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.4	38.0
123	11.9	9.4	14.0

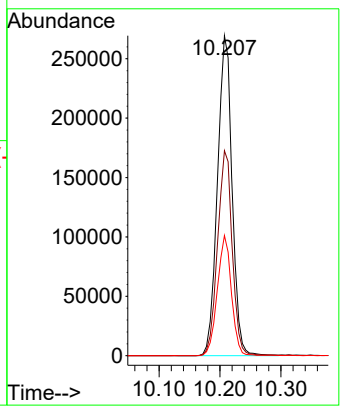




#29
2,4-Dichlorophenol
Concen: 47.808 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:162 Resp: 44926

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	37.6	14.9	54.9



Instrument :
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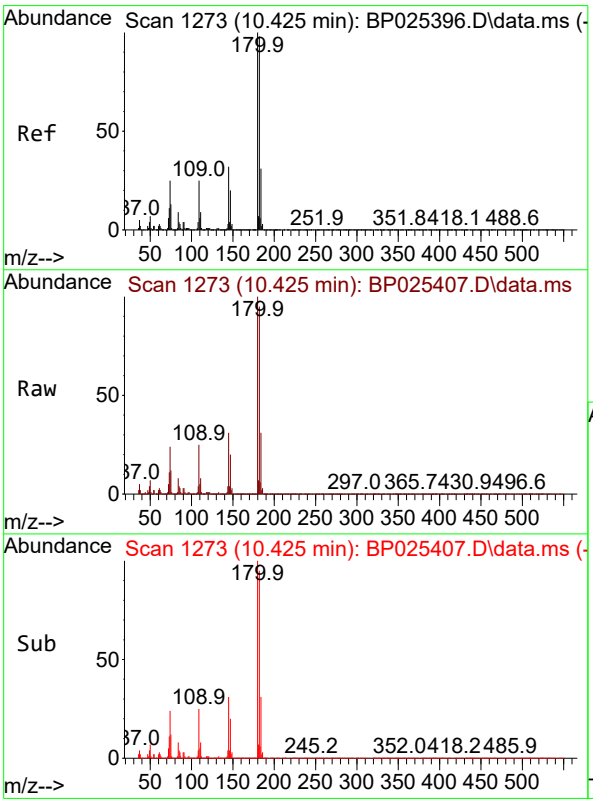
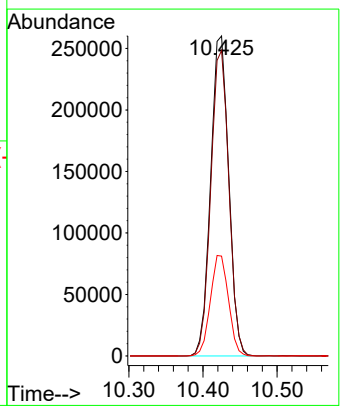
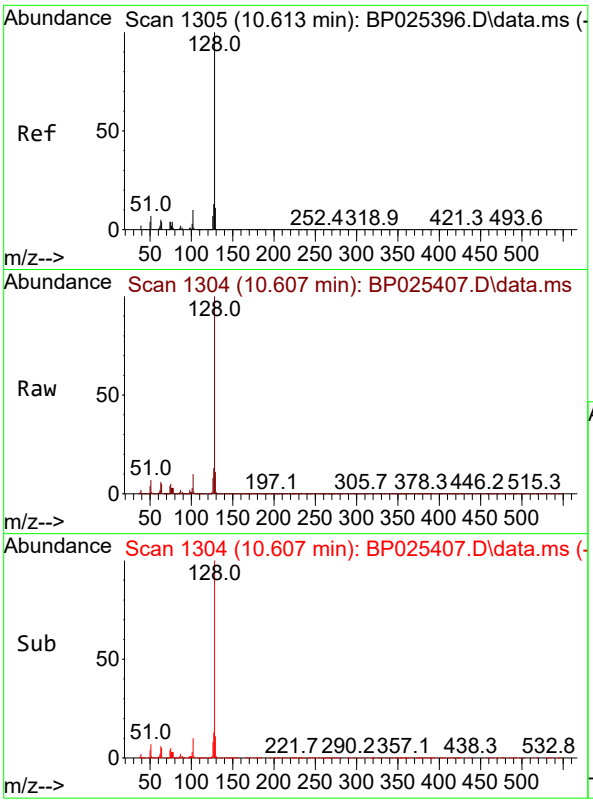


#30
1,2,4-Trichlorobenzene
Concen: 42.758 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:180 Resp: 440470

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.0	117.0
145	31.2	25.9	38.9

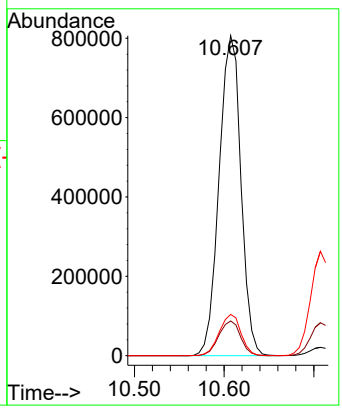




#31
Naphthalene
Concen: 43.171 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:128 Resp: 136127

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.7	16.1



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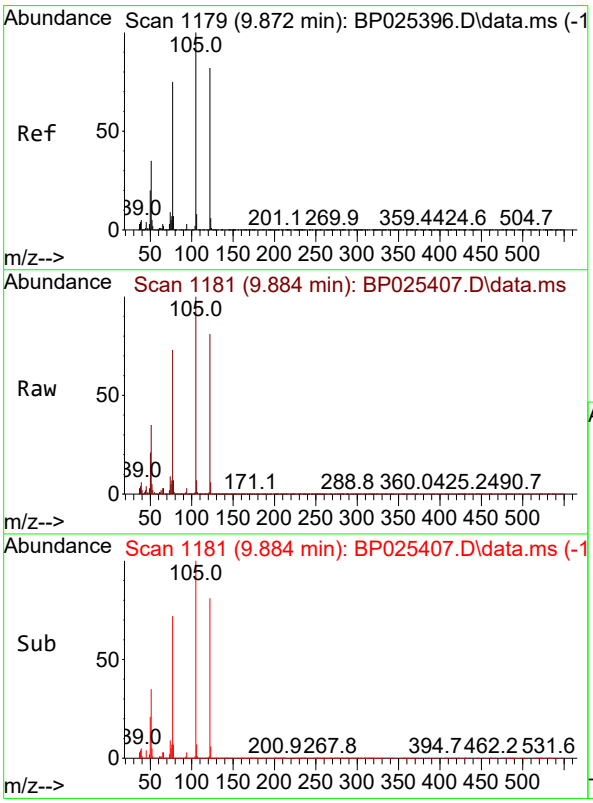
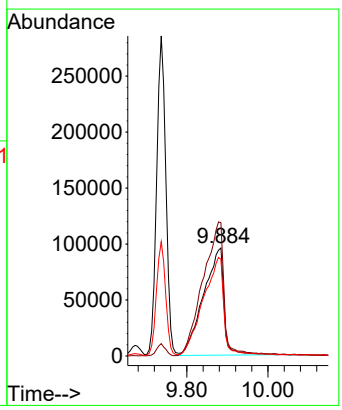
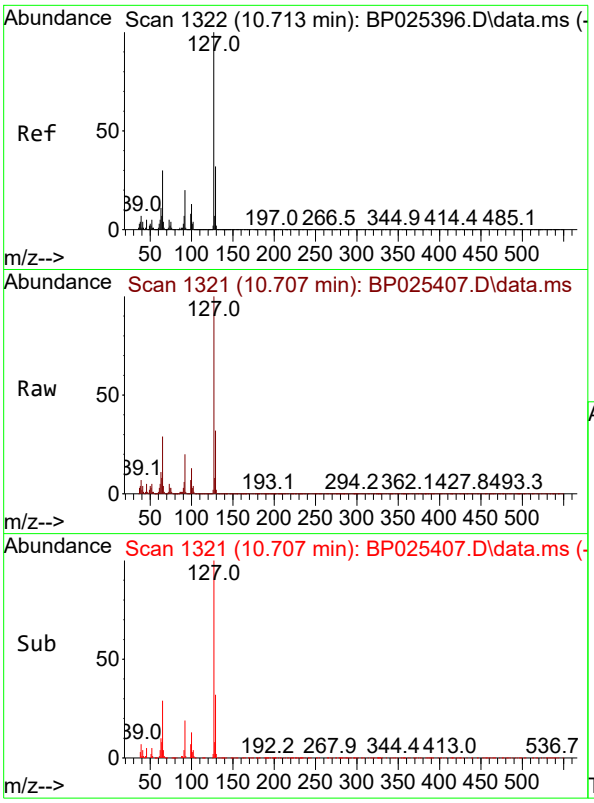


#32
Benzoic acid
Concen: 48.155 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:122 Resp: 336308

Ion	Ratio	Lower	Upper
122	100		
105	123.4	100.6	140.6
77	89.6	71.5	111.5

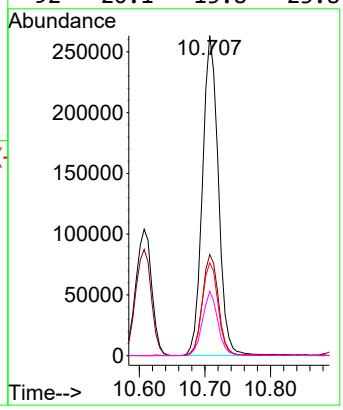




#33
4-Chloroaniline
Concen: 31.964 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:127 Resp: 44520

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.2
65	29.0	23.8	35.6
92	20.1	15.8	23.8



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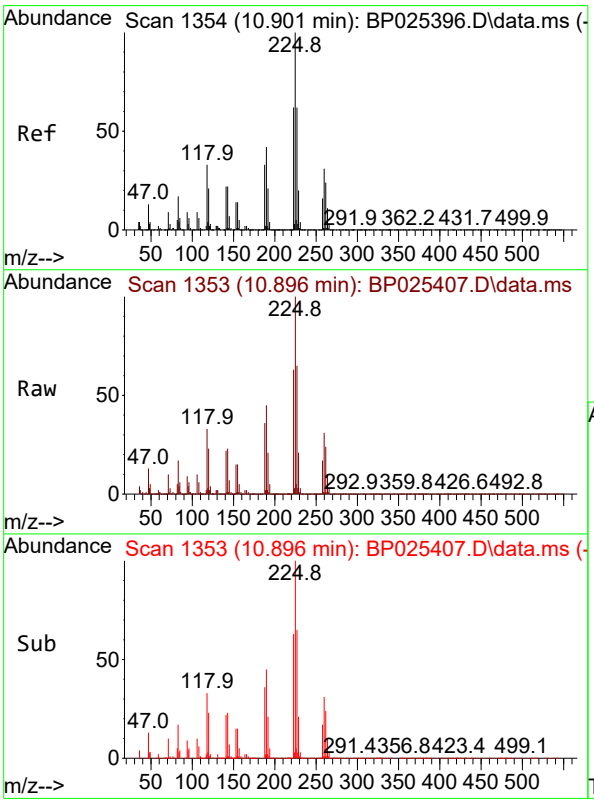
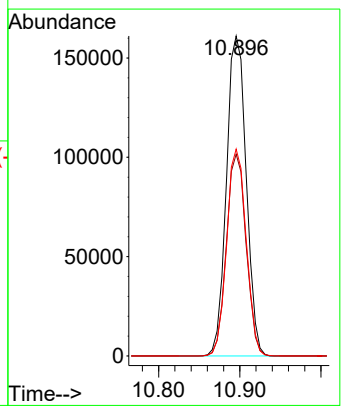
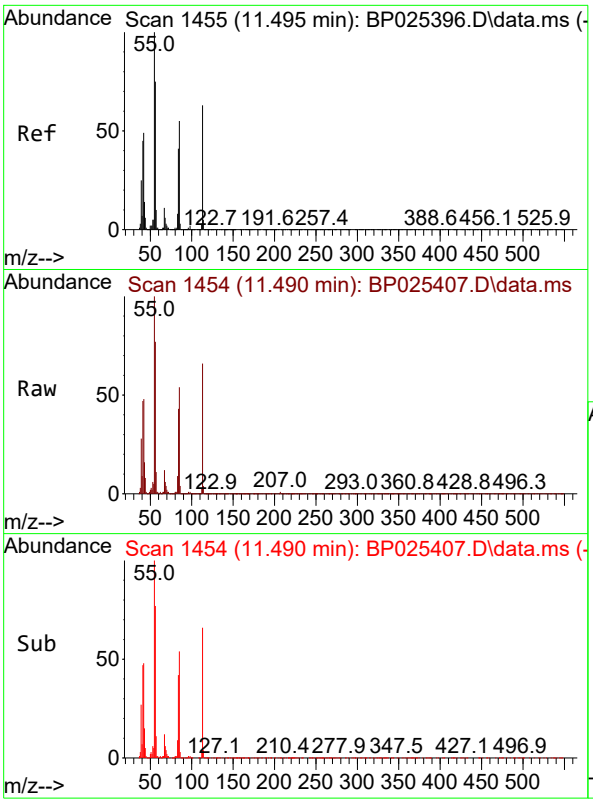


#34
Hexachlorobutadiene
Concen: 42.429 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:225 Resp: 272205

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0
227	64.7	49.7	74.5

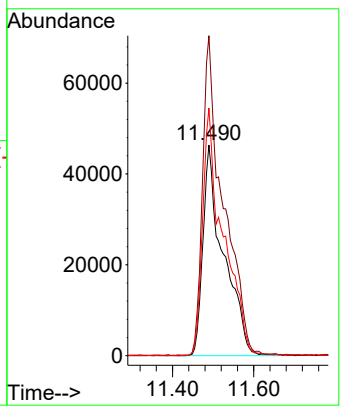




#35
Caprolactam
Concen: 47.021 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:113 Resp: 16202

Ion	Ratio	Lower	Upper
113	100		
55	151.8	140.0	180.0
56	117.4	100.0	140.0



Instrument :
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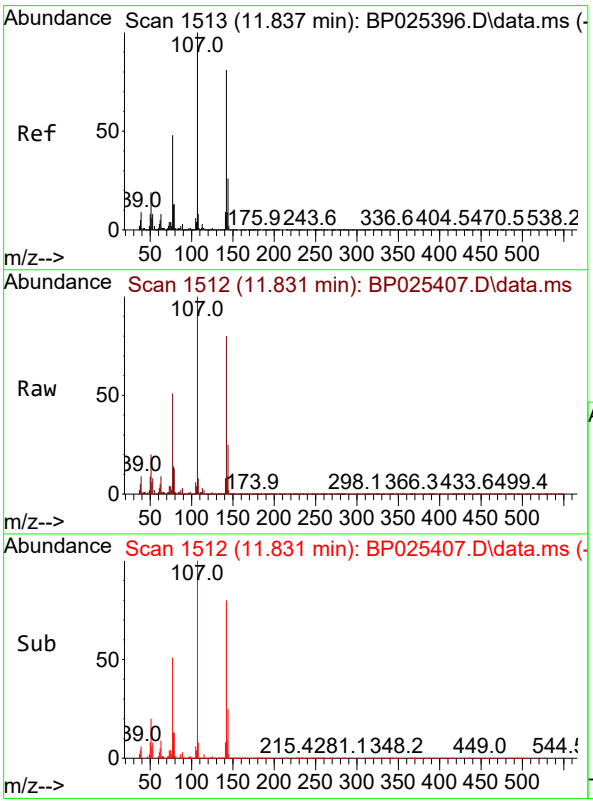
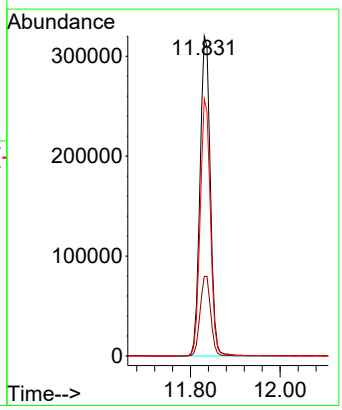
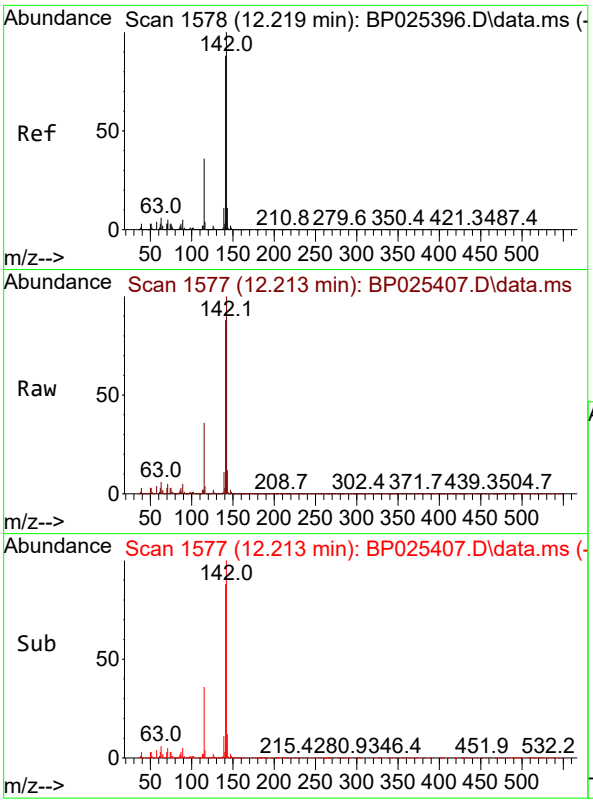


#36
4-Chloro-3-methylphenol
Concen: 47.415 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:107 Resp: 511279

Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.0	31.4
142	80.3	64.6	97.0

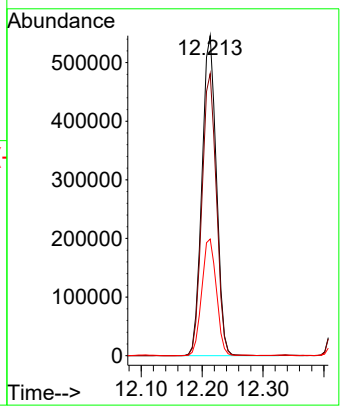




#37
2-Methylnaphthalene
Concen: 43.644 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:142 Resp: 89559

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5
115	36.5	28.9	43.3



Instrument :
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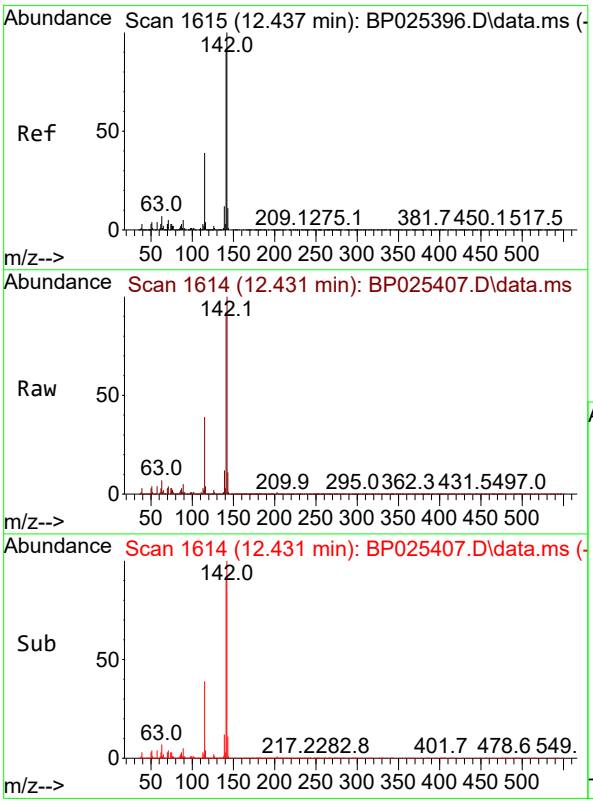
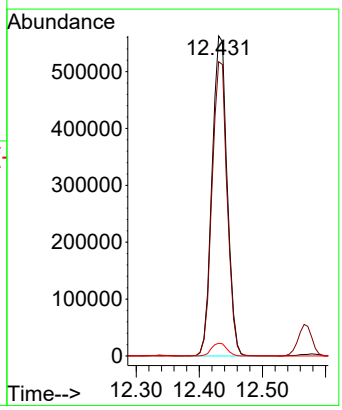
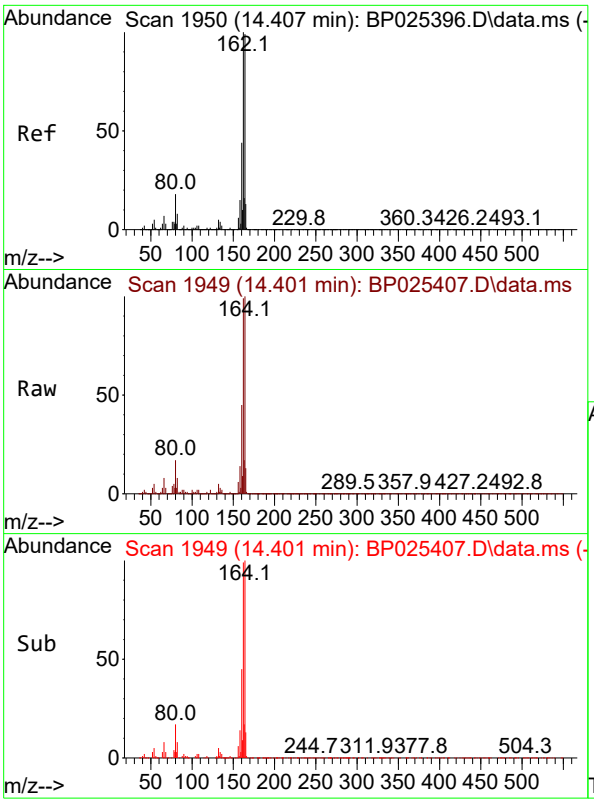


#38
1-Methylnaphthalene
Concen: 42.748 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:142 Resp: 932869

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.1	109.7
116	3.9	3.2	4.8

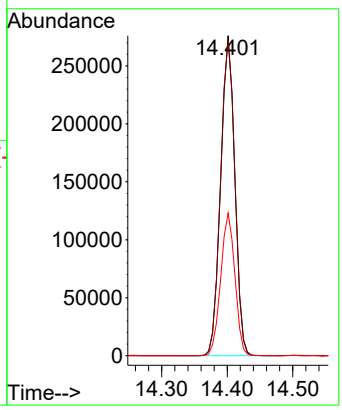




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:164 Resp: 41000

Ion	Ratio	Lower	Upper
164	100		
162	98.5	81.0	121.6
160	44.6	35.4	53.2



Instrument :
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ClientSampleId :
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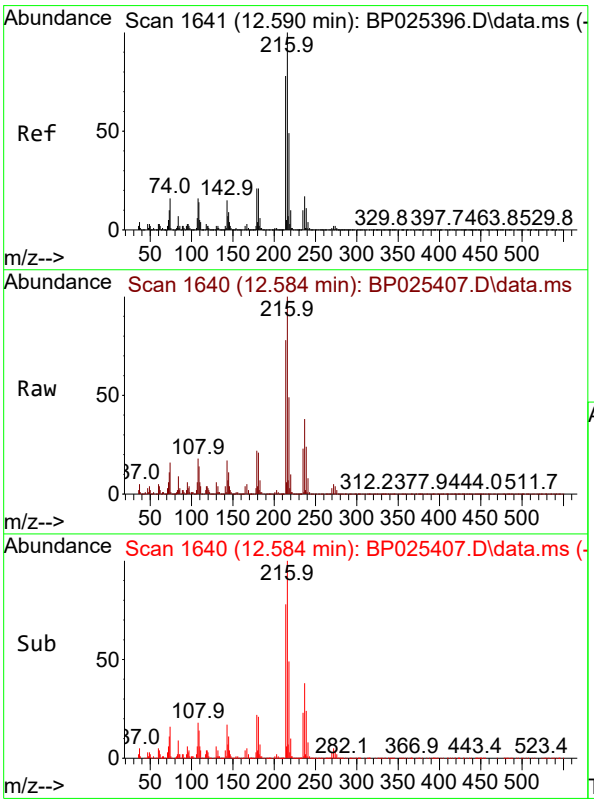
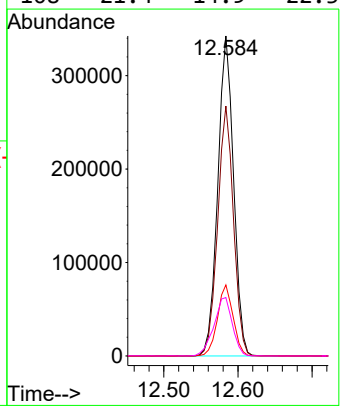
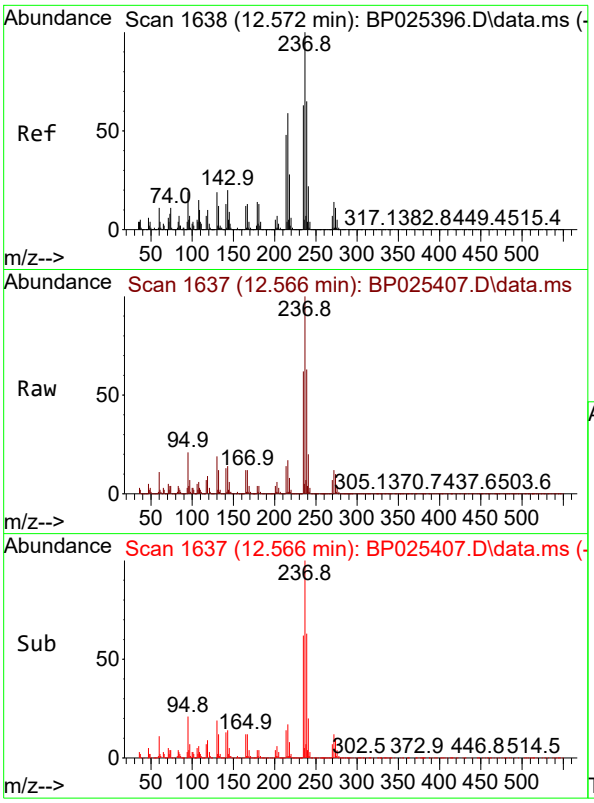


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.771 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:216 Resp: 506460

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.0	17.1	25.7
108	21.4	14.9	22.3

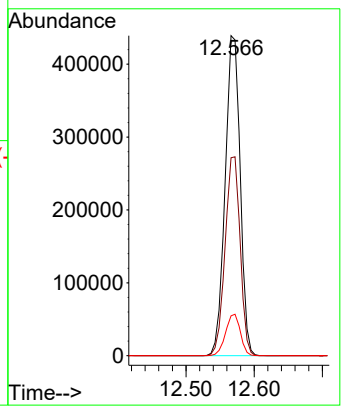




#41
Hexachlorocyclopentadiene
Concen: 94.204 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:237 Resp: 67380

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	12.5	0.0	34.0



Instrument :
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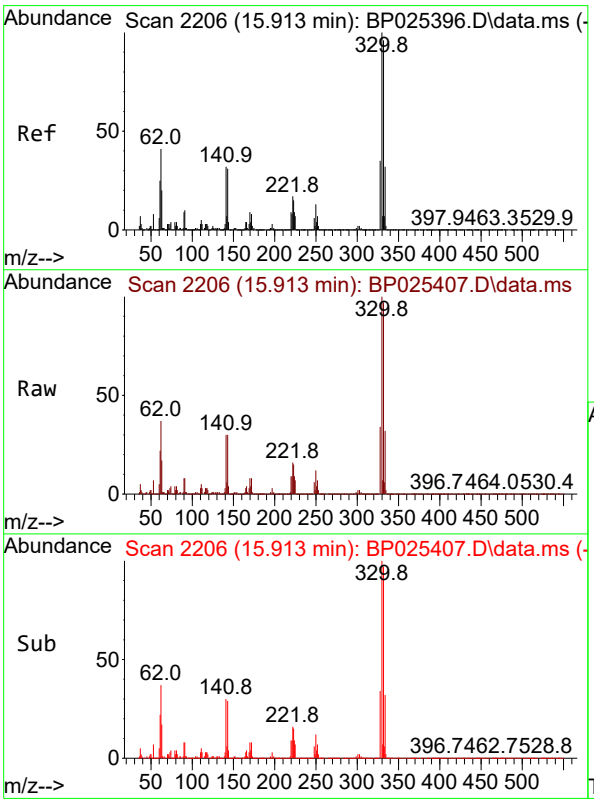
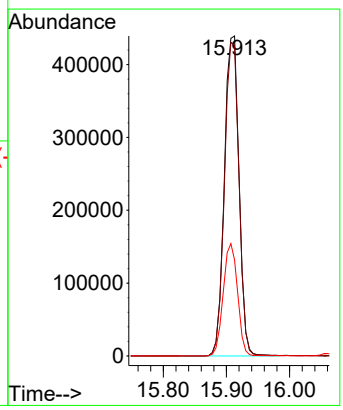
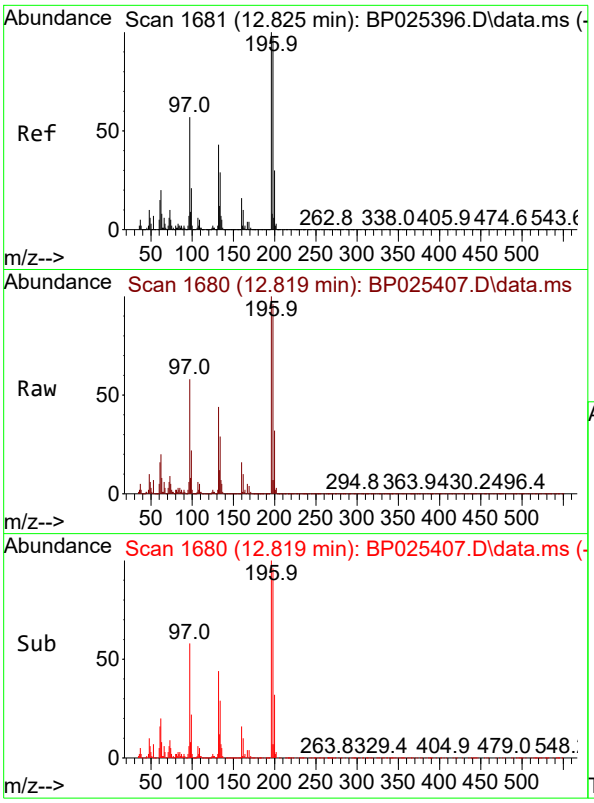


#42
2,4,6-Tribromophenol
Concen: 128.223 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:330 Resp: 707616

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	34.4	26.6	39.8

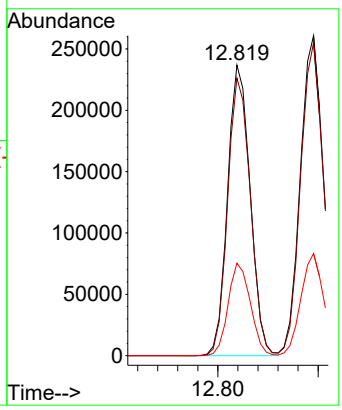




#43
2,4,6-Trichlorophenol
Concen: 46.461 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:196 Resp: 37141

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.2	115.8
200	31.9	23.9	35.9



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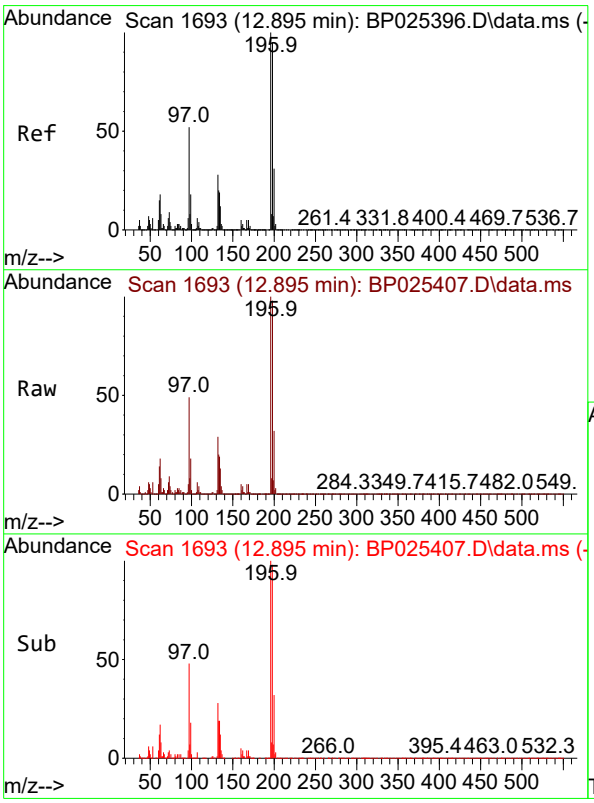
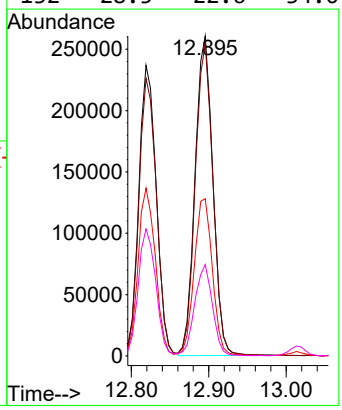
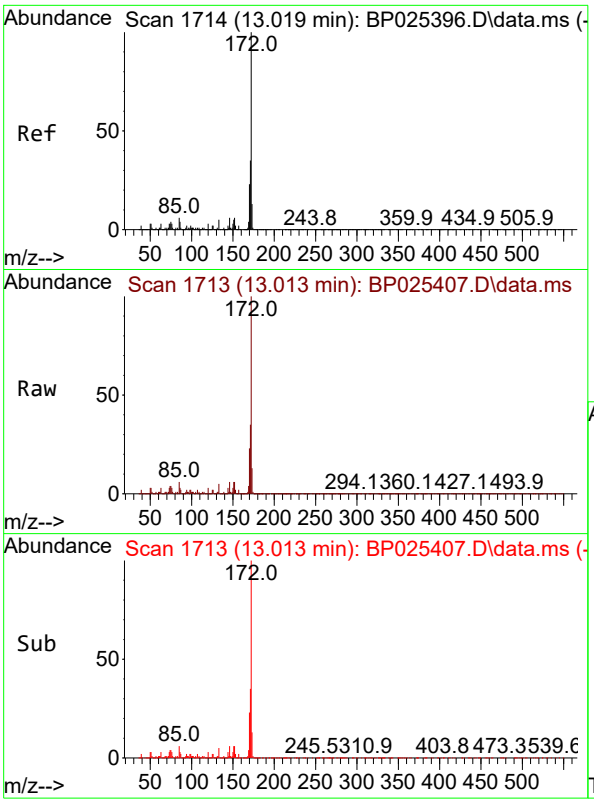


#44
2,4,5-Trichlorophenol
Concen: 47.579 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:196 Resp: 416860

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.2	114.2
97	49.2	41.2	61.8
132	28.5	22.6	34.0

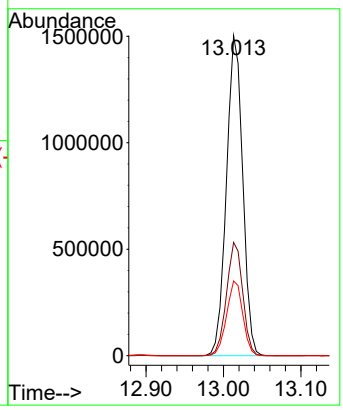




#45
2-Fluorobiphenyl
Concen: 73.213 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:172 Resp: 219637

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.4	18.6	28.0



Instrument :
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ClientSampleId :
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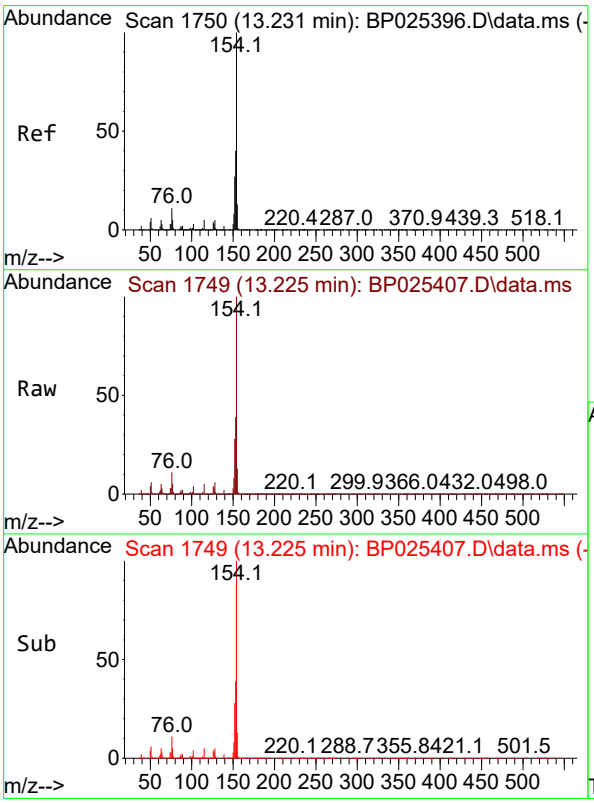
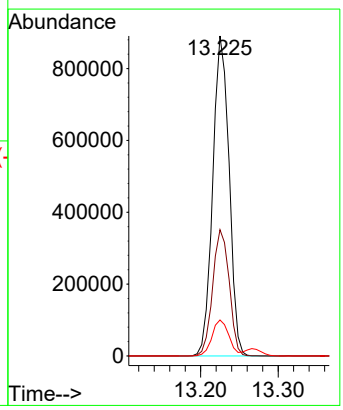
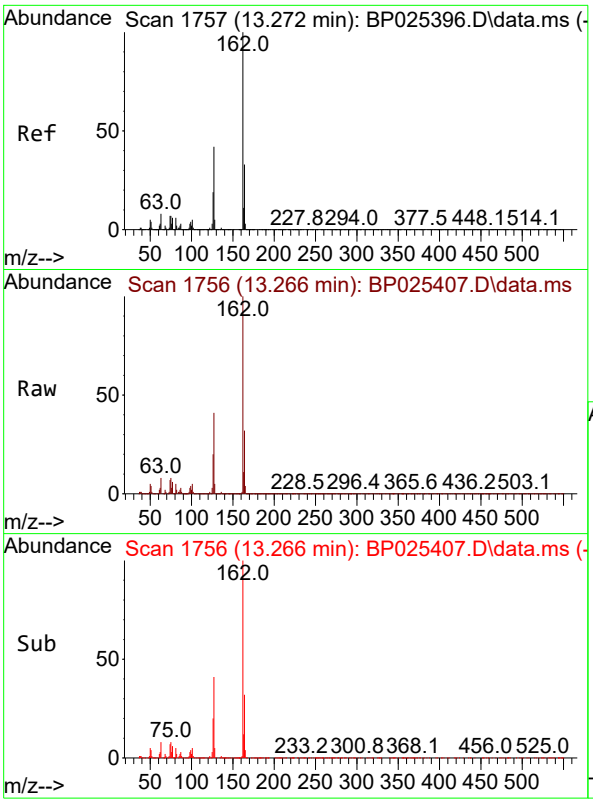


#46
1,1'-Biphenyl
Concen: 43.798 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:154 Resp: 1304149

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.3	0.0	31.1

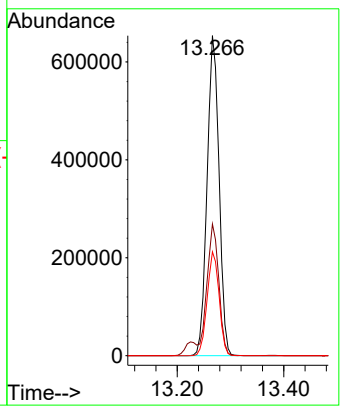




#47
2-Chloronaphthalene
Concen: 43.855 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:162 Resp: 101659

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.4	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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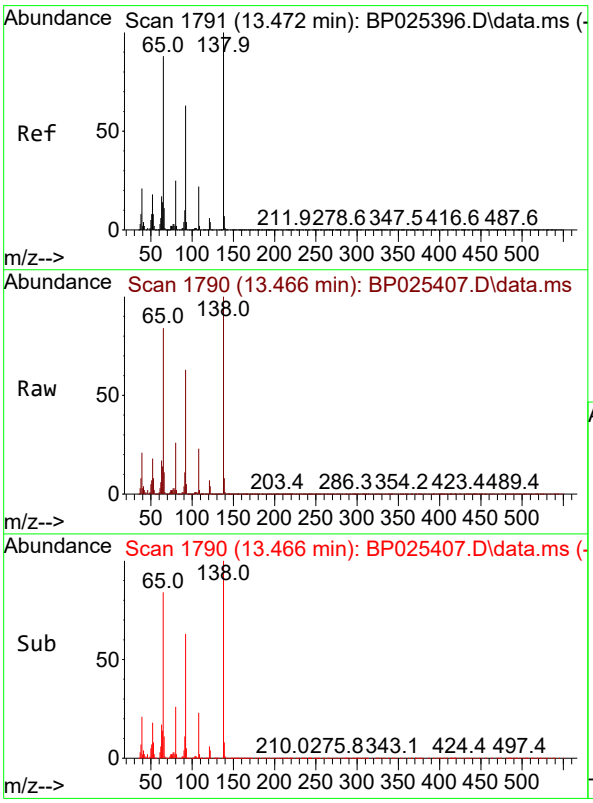
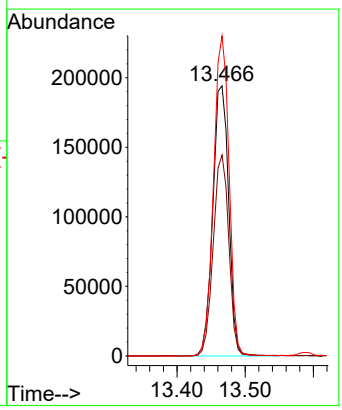
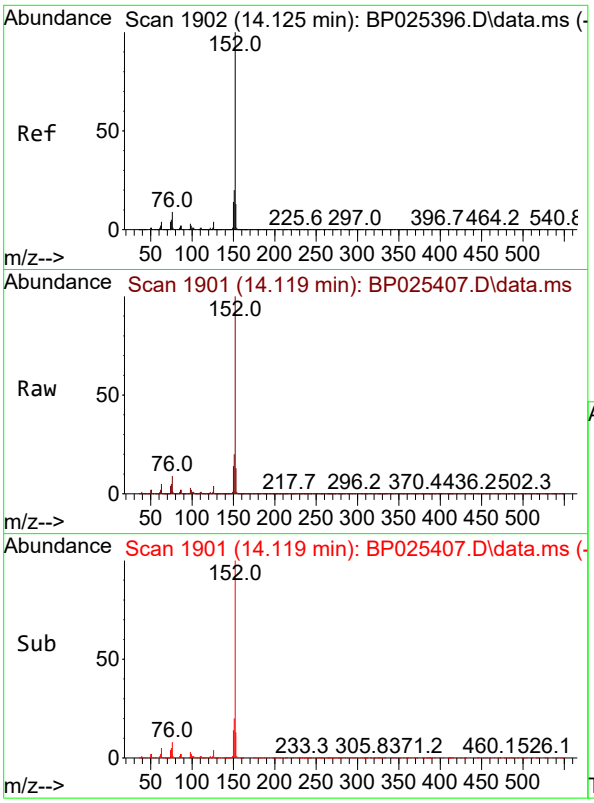


#48
2-Nitroaniline
Concen: 46.623 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 65 Resp: 314909

Ion	Ratio	Lower	Upper
65	100		
92	74.4	57.6	86.4
138	118.5	91.0	136.6

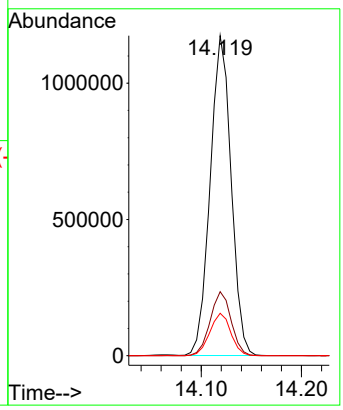




#49
Acenaphthylene
Concen: 44.492 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:152 Resp: 170661

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8



Instrument :
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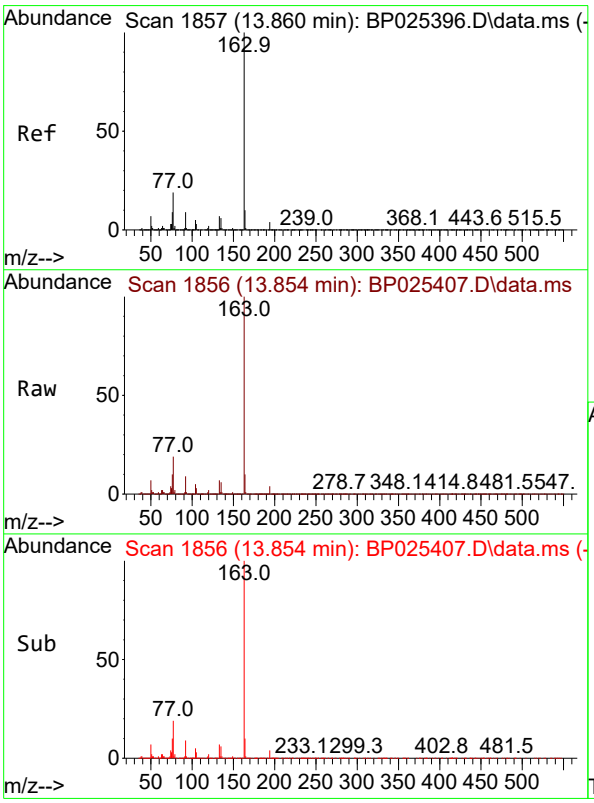
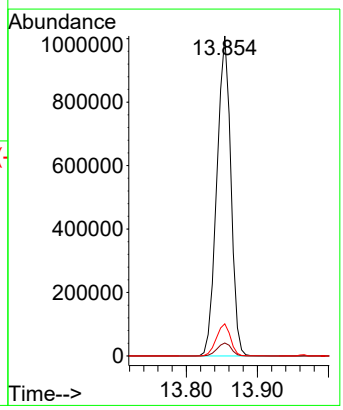
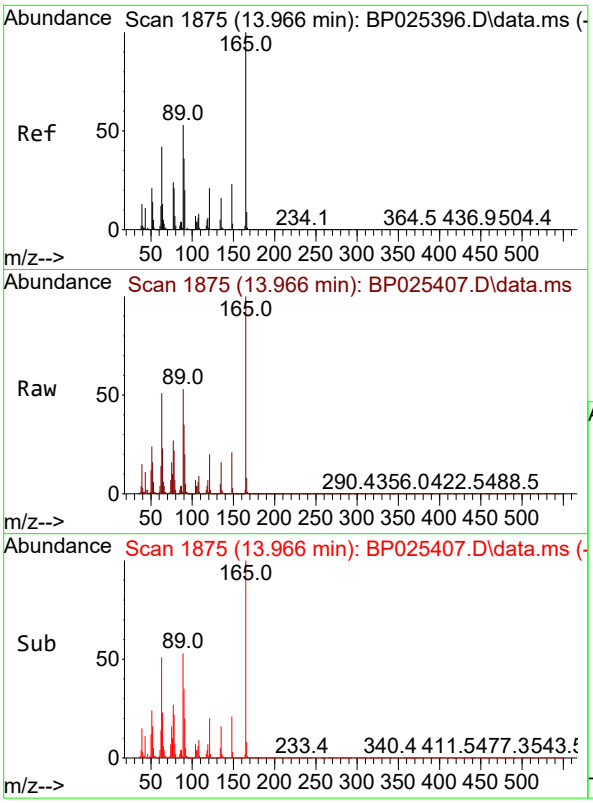


#50
Dimethylphthalate
Concen: 45.780 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:163 Resp: 1374506

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

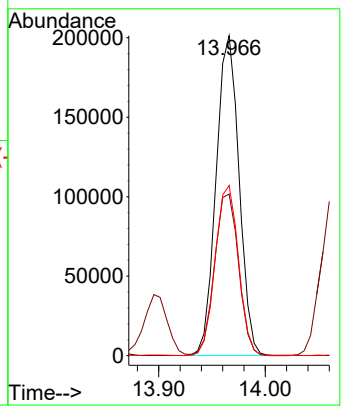




#51
2,6-Dinitrotoluene
Concen: 47.635 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:165 Resp: 30144

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.9	61.3
89	53.2	42.1	63.1



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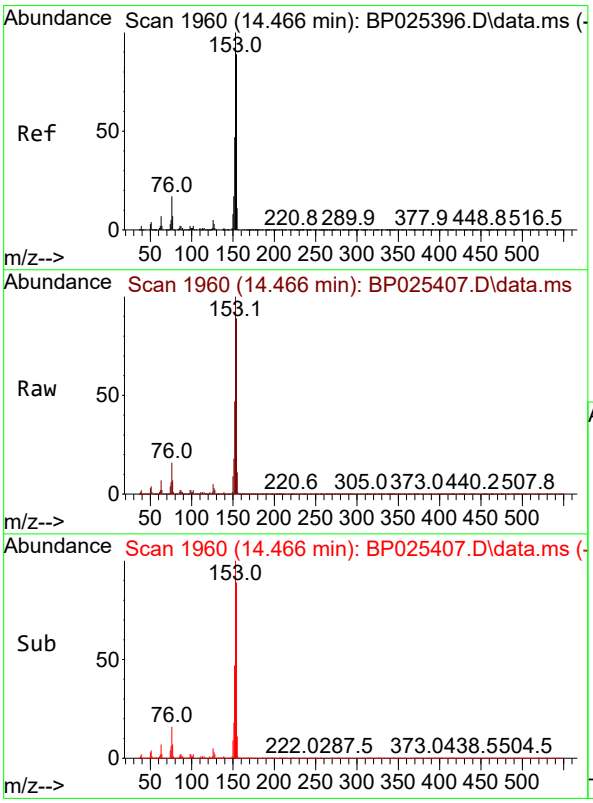
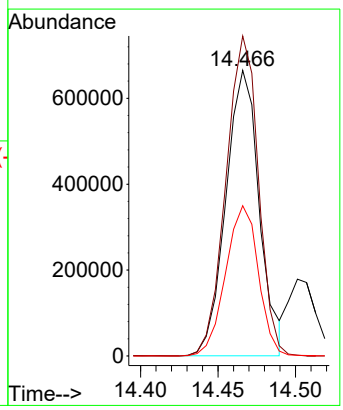
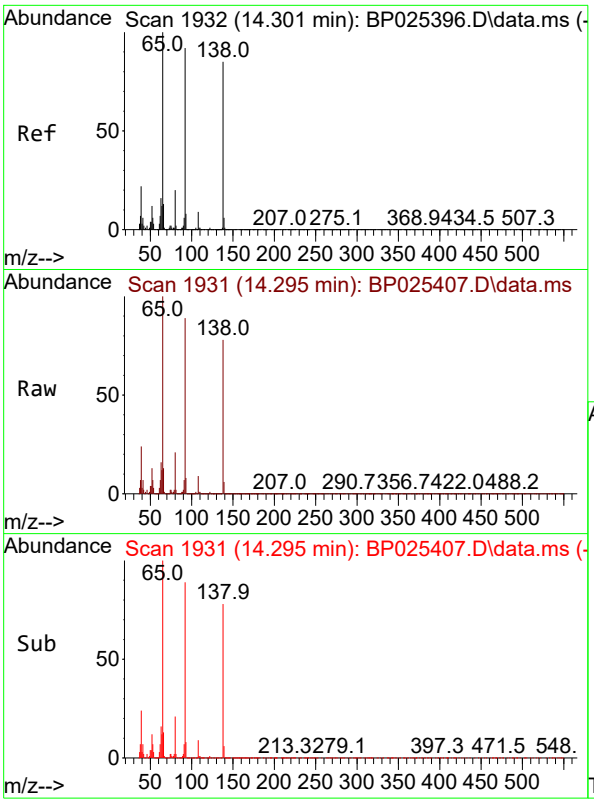


#52
Acenaphthene
Concen: 44.278 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:154 Resp: 996925

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.2
152	52.6	42.1	63.1

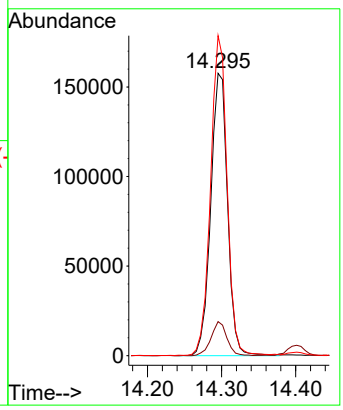




#53
3-Nitroaniline
Concen: 34.892 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:138 Resp: 24842

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	113.3	86.2	129.2



Instrument :
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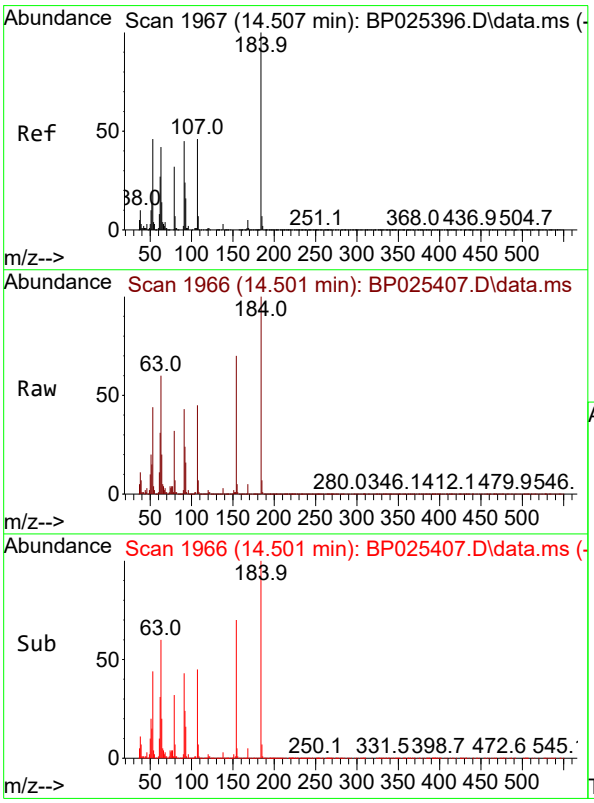
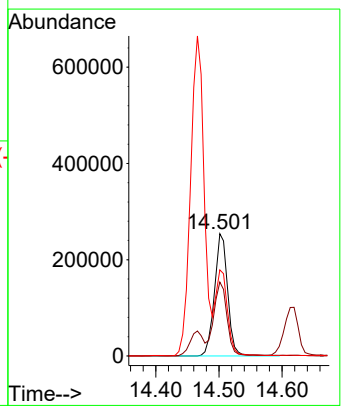
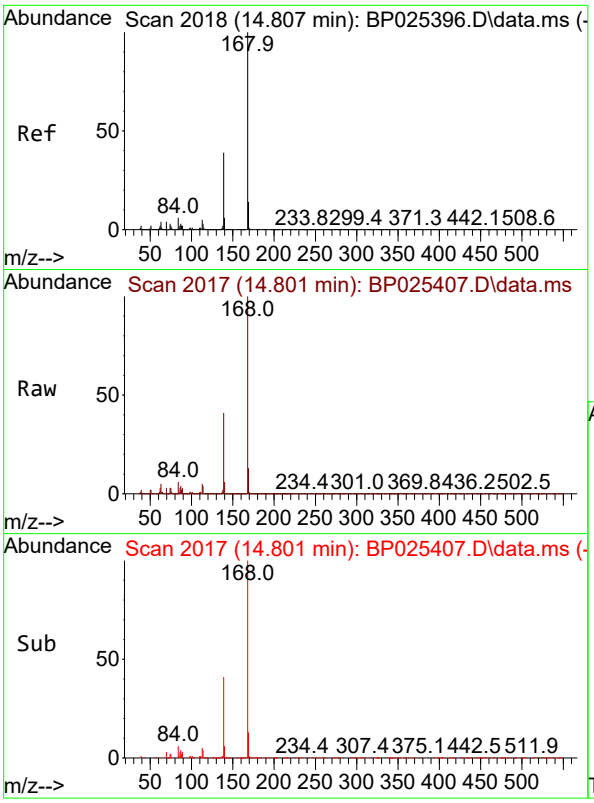


#54
2,4-Dinitrophenol
Concen: 109.516 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:184 Resp: 370101

Ion	Ratio	Lower	Upper
184	100		
63	60.5	49.4	74.2
154	70.4	54.6	82.0

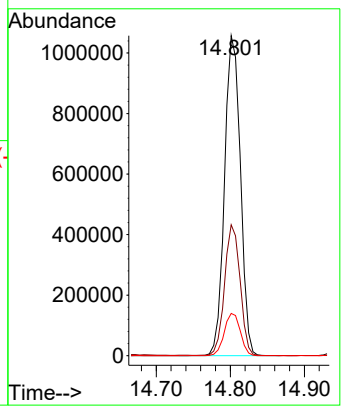




#55
Dibenzofuran
Concen: 44.166 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:168 Resp: 157217

Ion	Ratio	Lower	Upper
168	100		
139	40.9	31.5	47.3
169	13.2	10.9	16.3



Instrument :
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ClientSampleId :
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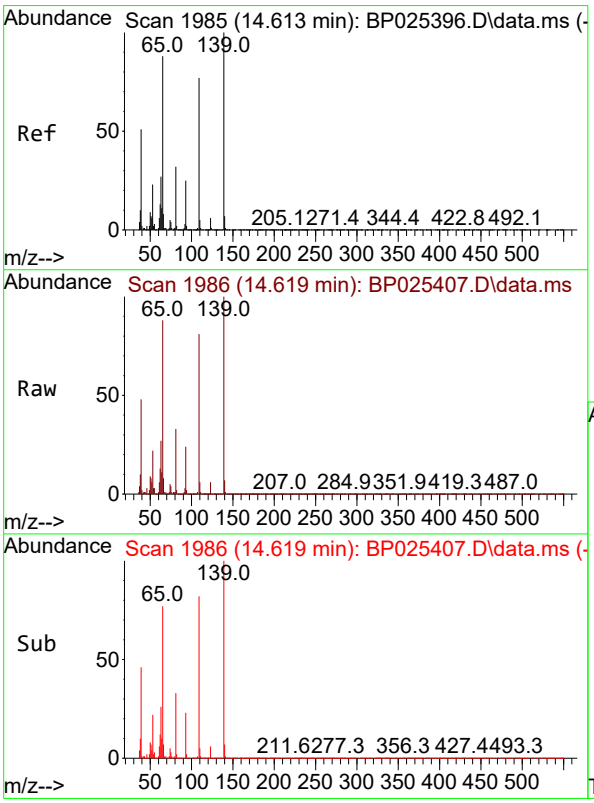
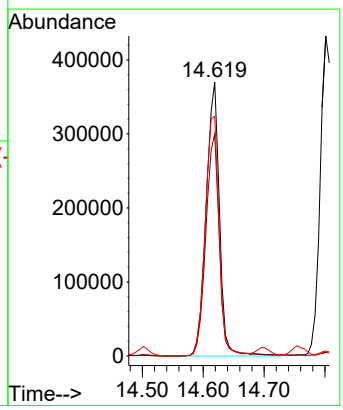
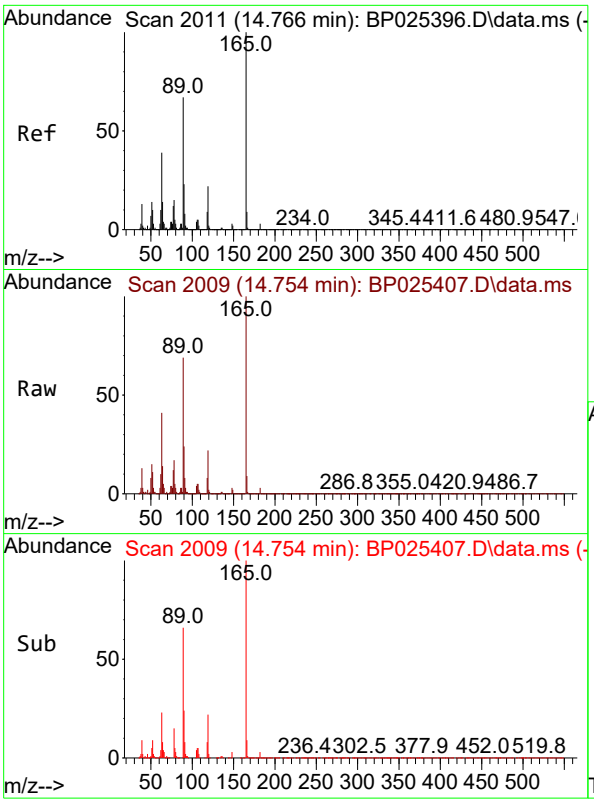


#56
4-Nitrophenol
Concen: 96.372 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:139 Resp: 563832

Ion	Ratio	Lower	Upper
139	100		
109	81.0	56.6	96.6
65	87.6	68.2	108.2

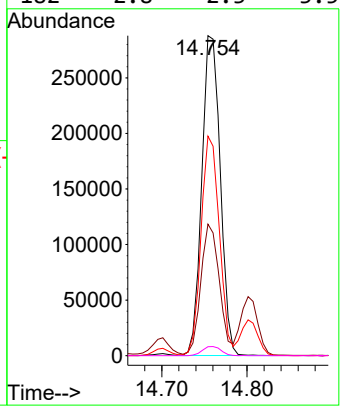




#57
2,4-Dinitrotoluene
Concen: 48.036 ng
RT: 14.754 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:165 Resp: 43370

Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	68.6	53.3	79.9
182	2.8	2.3	3.5



Instrument :
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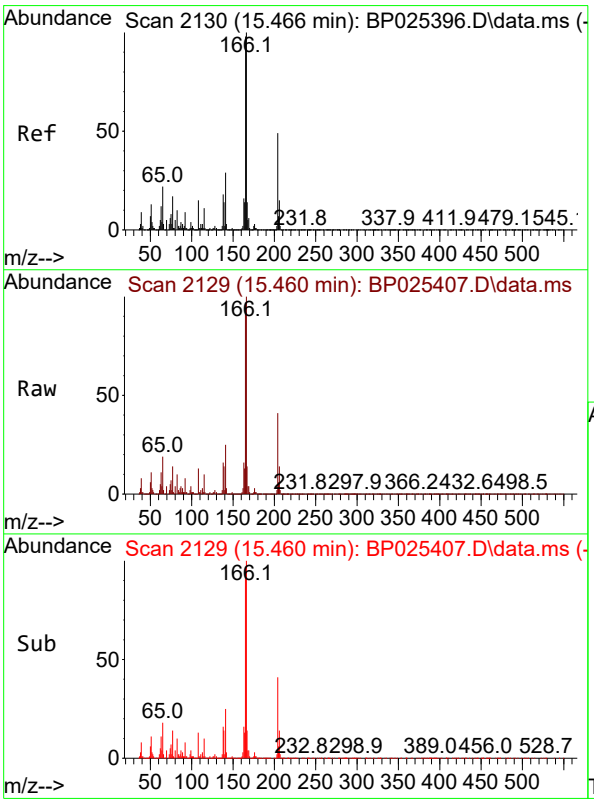
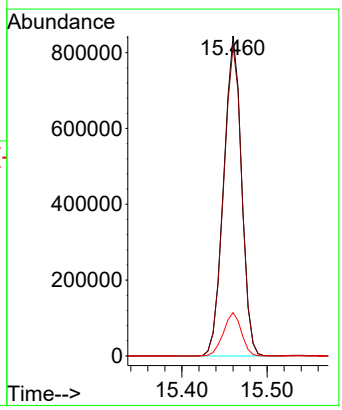
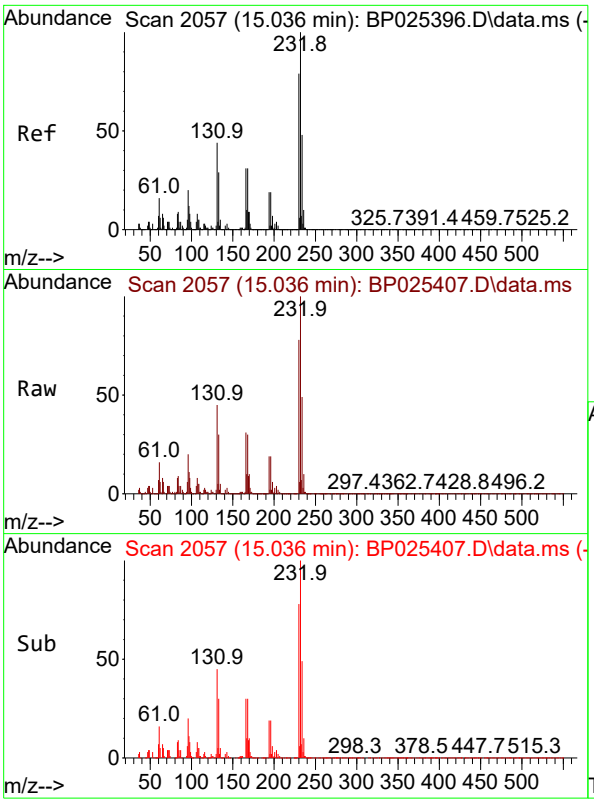


#58
Fluorene
Concen: 43.839 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:166 Resp: 1231357

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.5	11.0	16.4

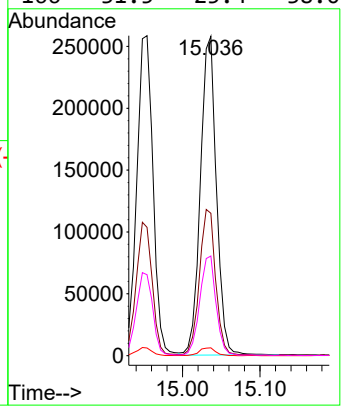




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.768 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:232 Resp: 36954

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.5	1.9	2.9
166	31.5	25.4	38.0



Instrument :
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ClientSampleId :
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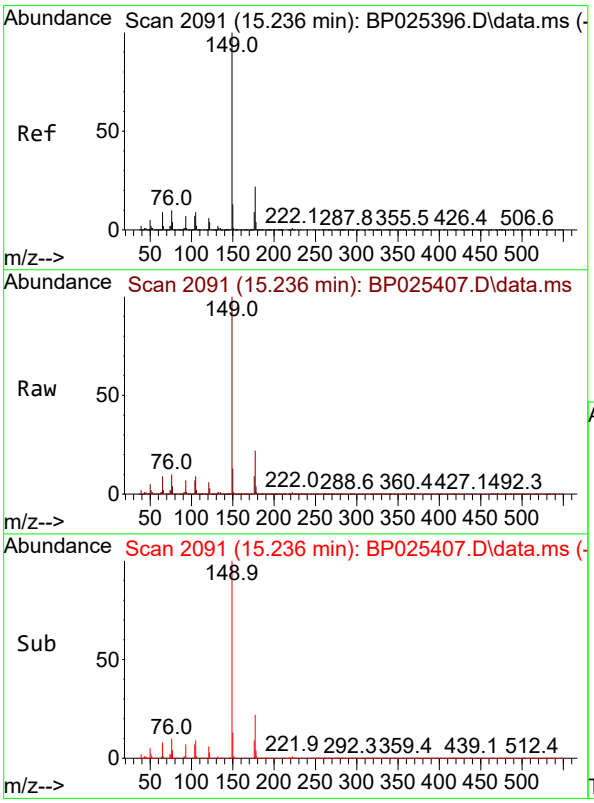
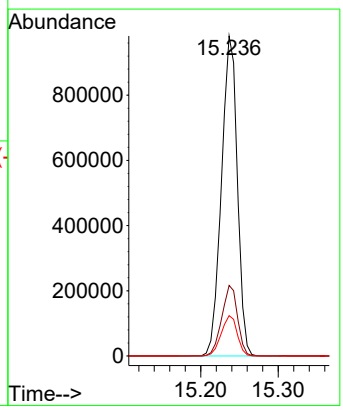
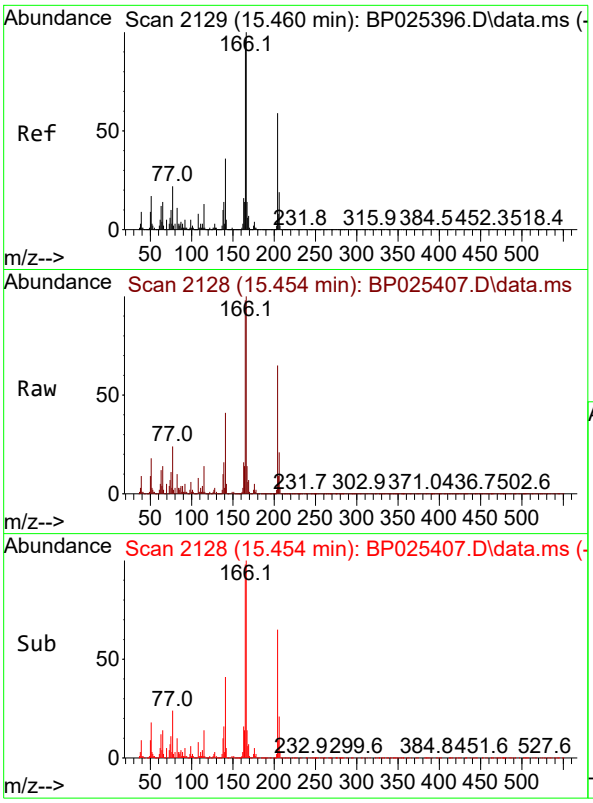


#60
Diethylphthalate
Concen: 45.748 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1395643

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.6	10.3	15.5

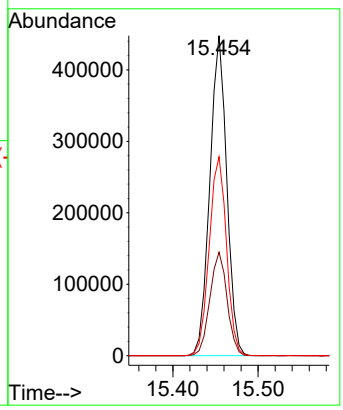




#61
4-Chlorophenyl-phenylether
Concen: 44.228 ng
RT: 15.454 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:204 Resp: 61784

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	62.2	49.4	74.2



Instrument :
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ClientSampleId :
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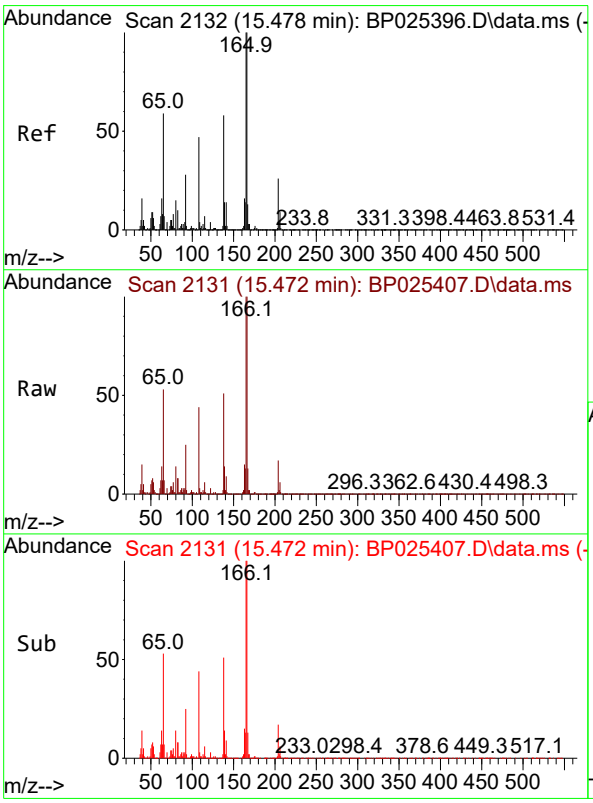
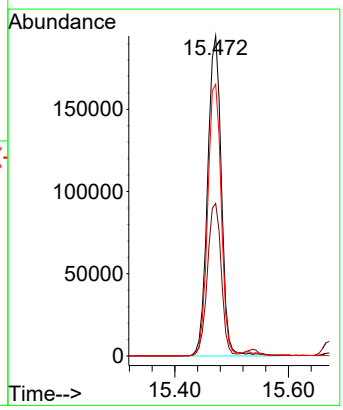
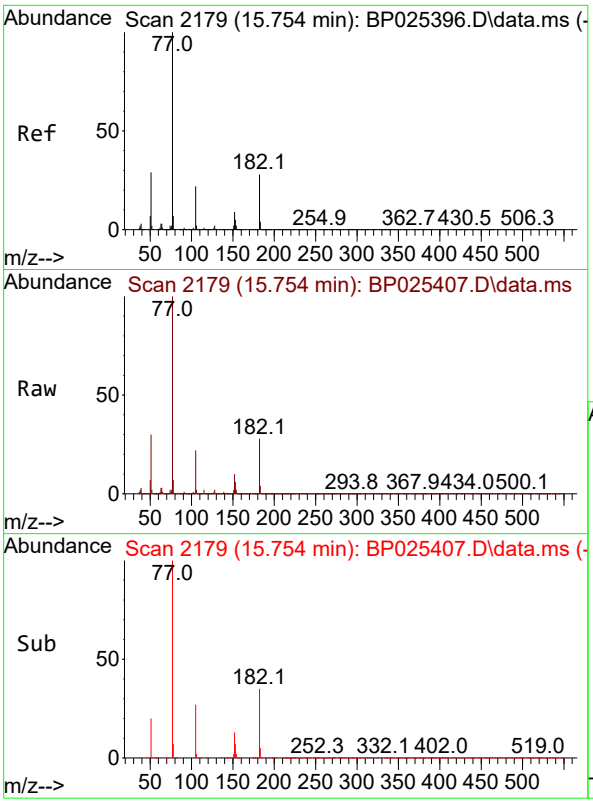


#62
4-Nitroaniline
Concen: 44.688 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:138 Resp: 326180

Ion	Ratio	Lower	Upper
138	100		
92	47.7	29.1	69.1
108	84.9	61.5	101.5

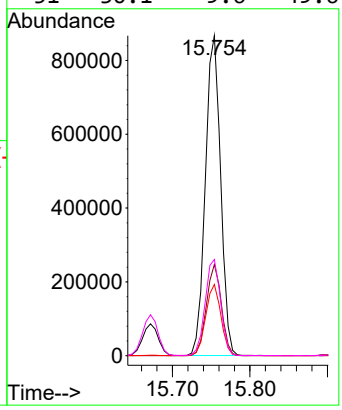




#63
Azobenzene
Concen: 45.267 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 77 Resp: 118247

Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.5	47.5
105	22.2	2.1	42.1
51	30.1	9.6	49.6



Instrument :
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ClientSampleId :
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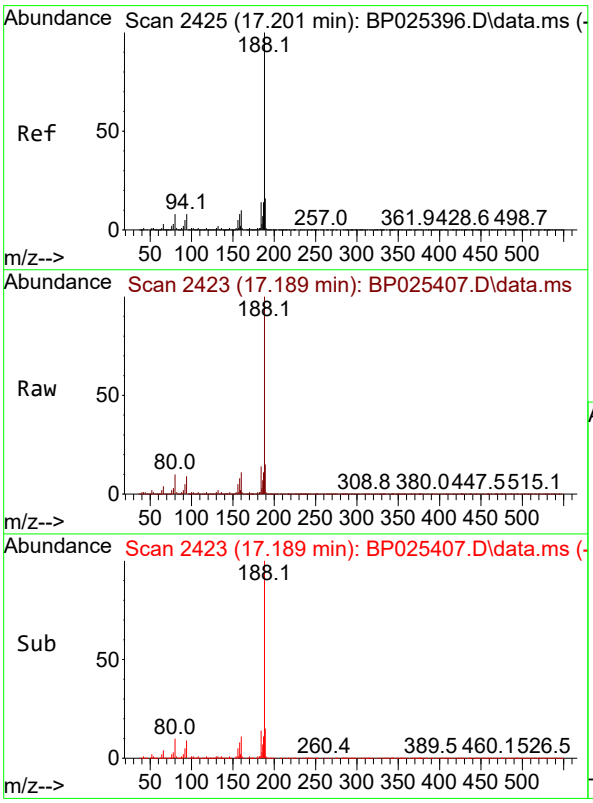
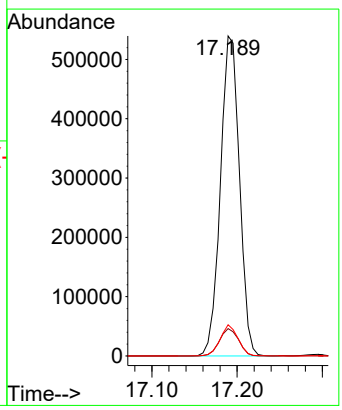
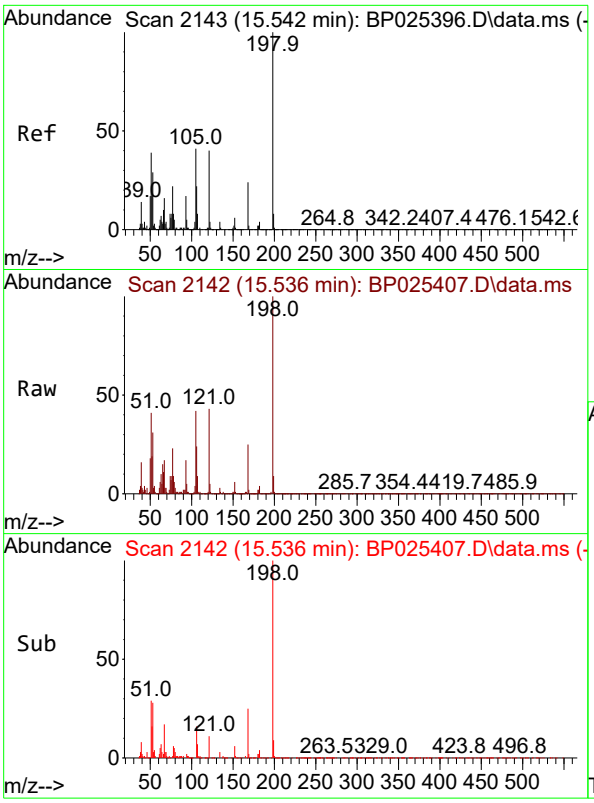


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:188 Resp: 838541

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.8	6.7	10.1

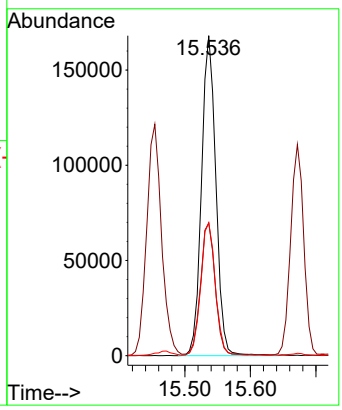




#65
4,6-Dinitro-2-methylphenol
Concen: 49.069 ng
RT: 15.536 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:198 Resp: 25648

Ion	Ratio	Lower	Upper
198	100		
51	41.4	19.6	59.6
105	41.6	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
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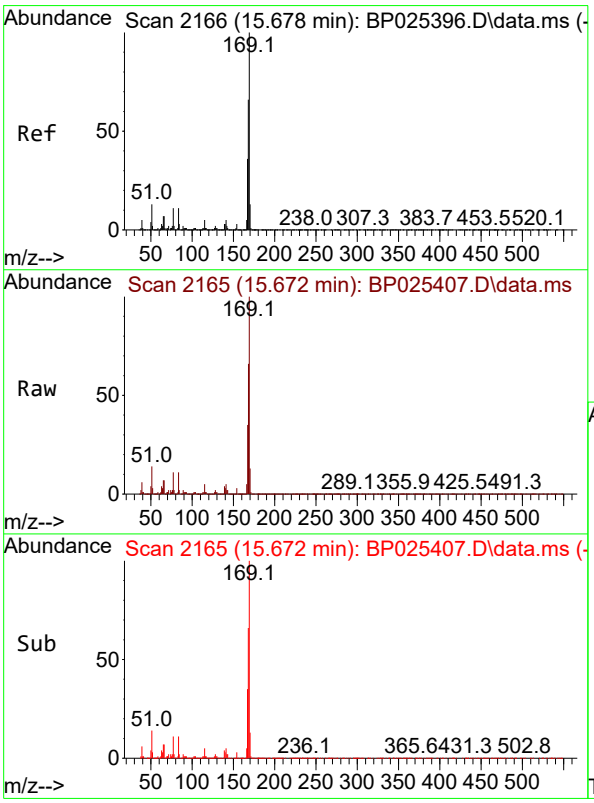
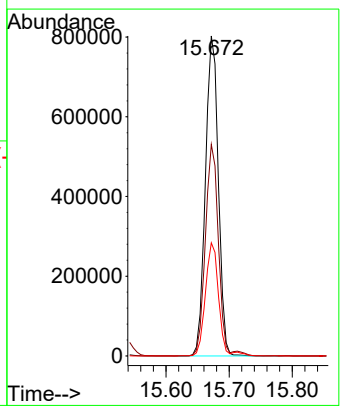
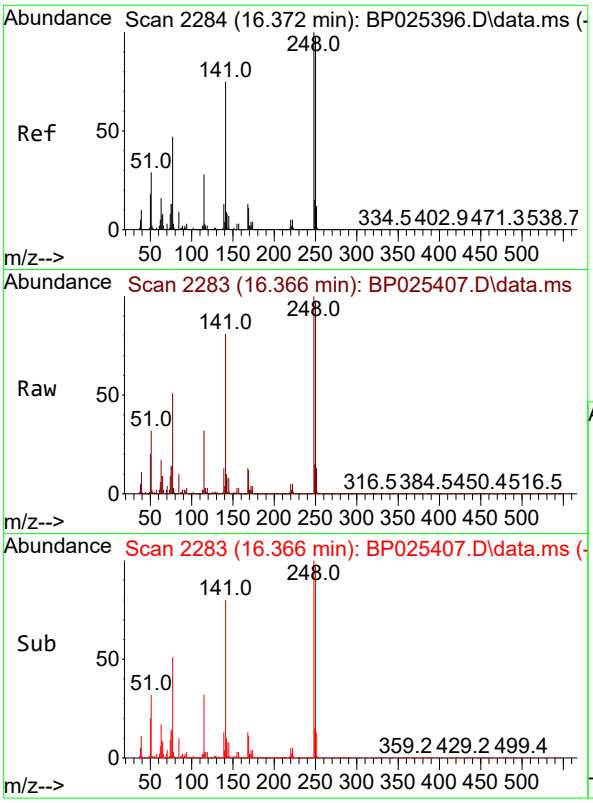


#66
n-Nitrosodiphenylamine
Concen: 44.624 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:169 Resp: 1141054

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	35.3	28.7	43.1

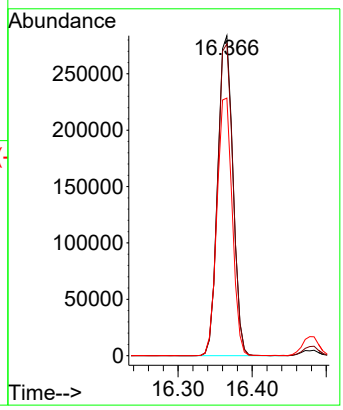




#67
4-Bromophenyl-phenylether
Concen: 44.031 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:248 Resp: 40607

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.2	117.2
141	80.5	59.6	89.4



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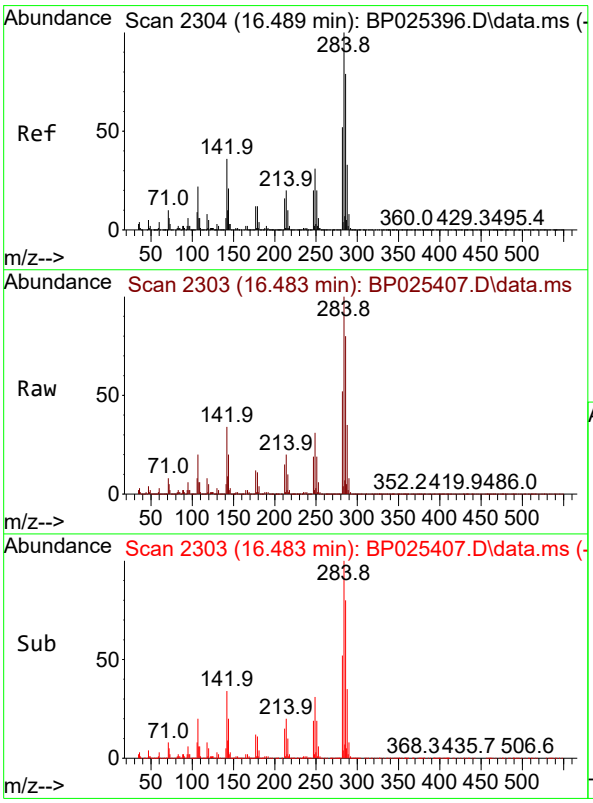
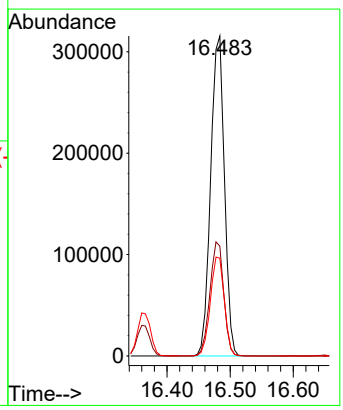
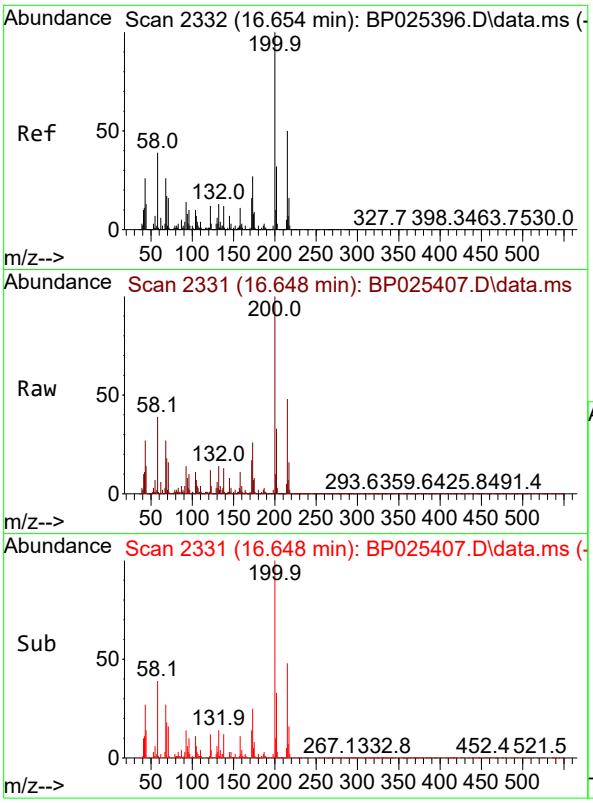


#68
Hexachlorobenzene
Concen: 44.629 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:284 Resp: 477112

Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.1	43.7
249	30.5	25.0	37.4

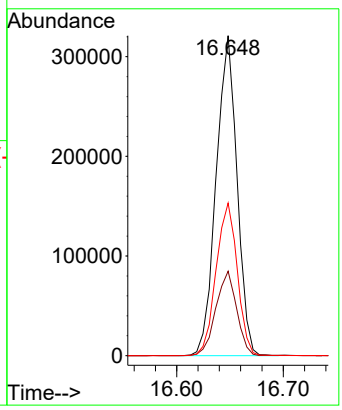




#69
Atrazine
Concen: 45.593 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:200 Resp: 43660

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	47.7	29.7	69.7



Instrument :
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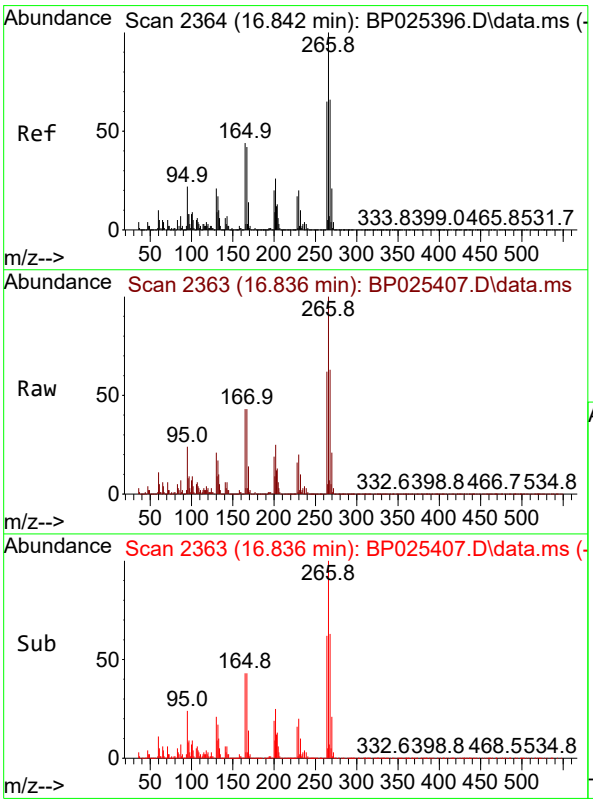
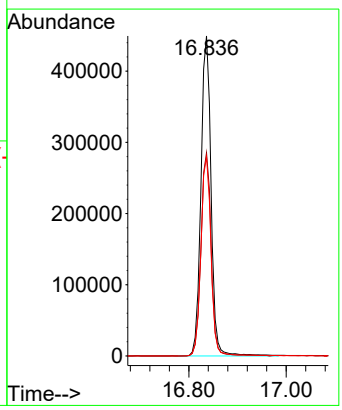
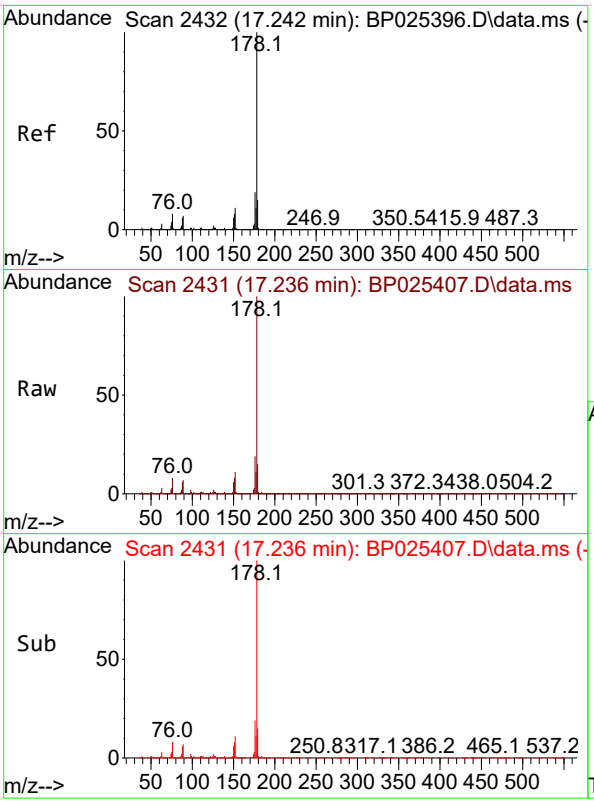


#70
Pentachlorophenol
Concen: 95.922 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:266 Resp: 647332

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	62.3	52.0	78.0

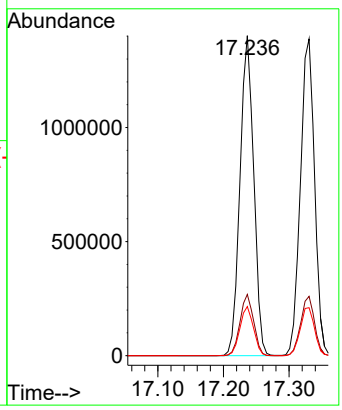




#71
Phenanthrene
Concen: 44.483 ng
RT: 17.236 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:178 Resp: 204903

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.3	12.2	18.4



Instrument :
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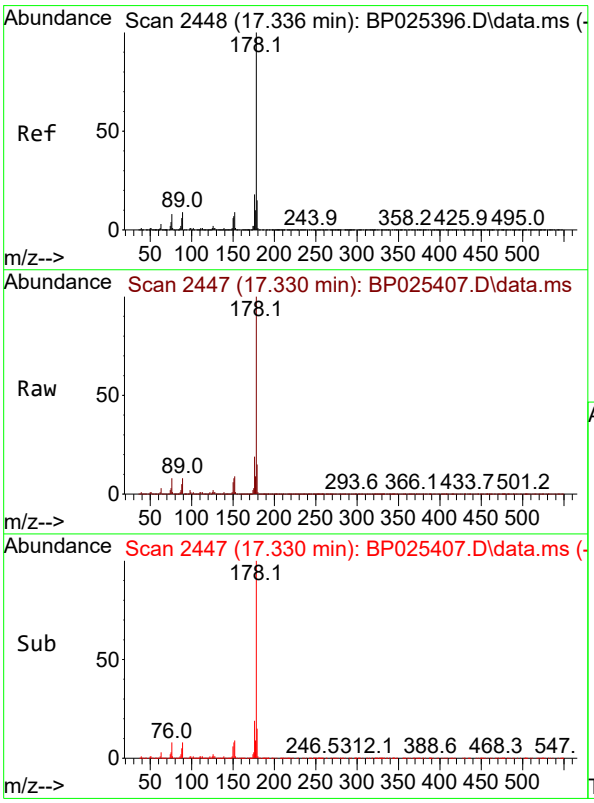
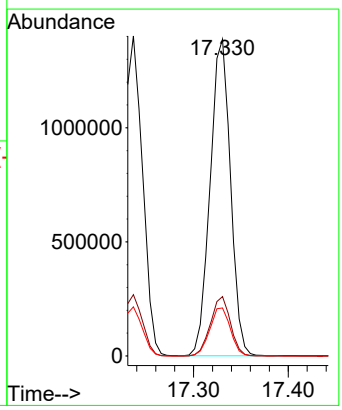
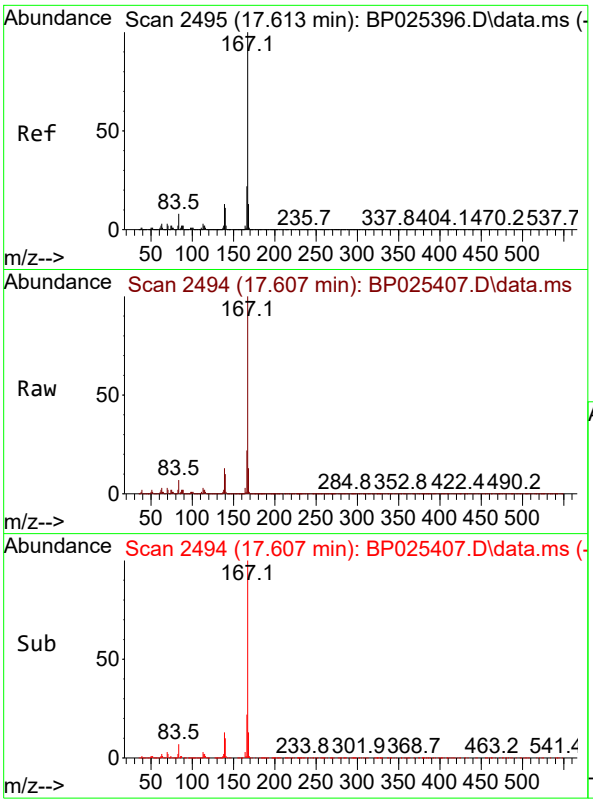


#72
Anthracene
Concen: 44.046 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:178 Resp: 2071926

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.2	18.2

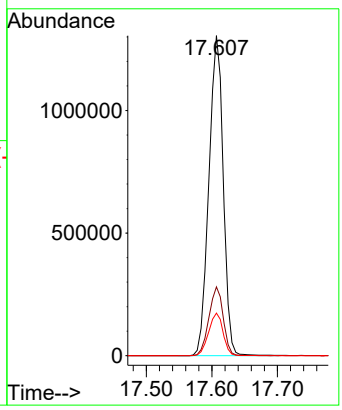




#73
Carbazole
Concen: 44.780 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:167 Resp: 198409

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.3	10.6	16.0



Instrument :
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ClientSampleId :
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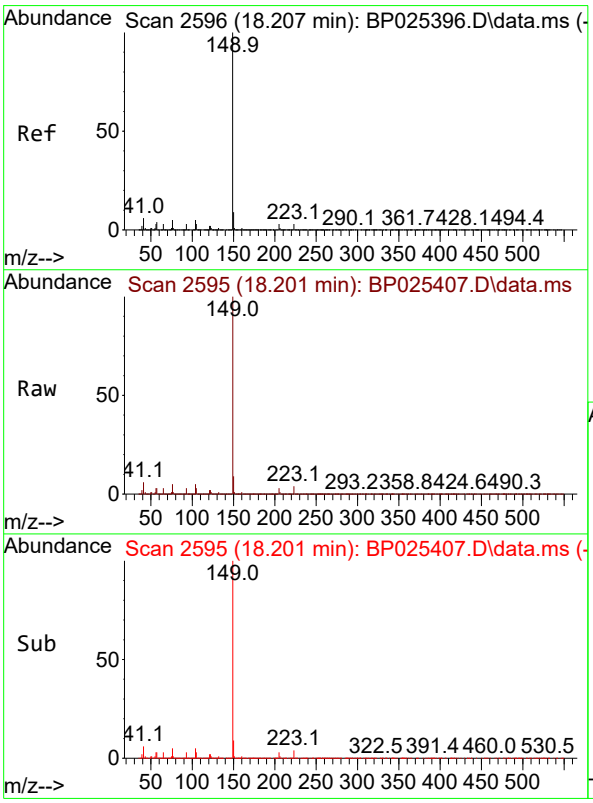
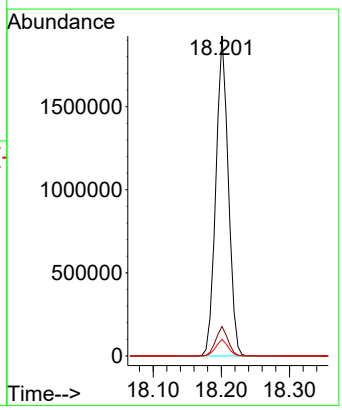
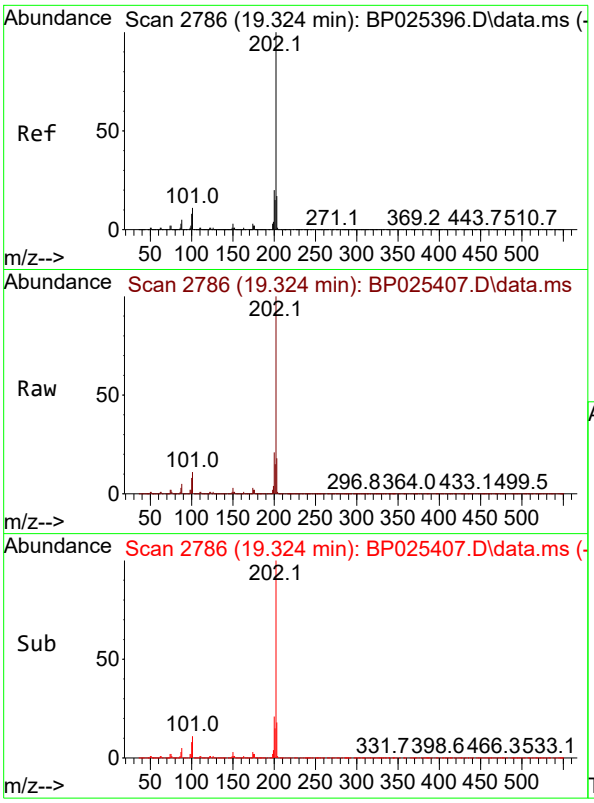


#74
Di-n-butylphthalate
Concen: 44.814 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 2442996

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2

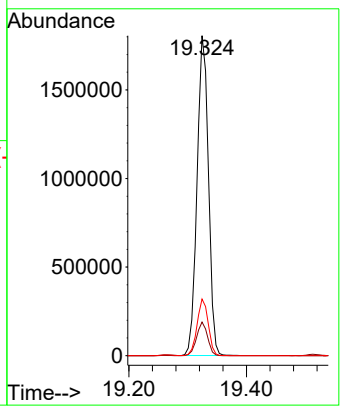




#75
Fluoranthene
Concen: 44.153 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:202 Resp: 242603

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.7	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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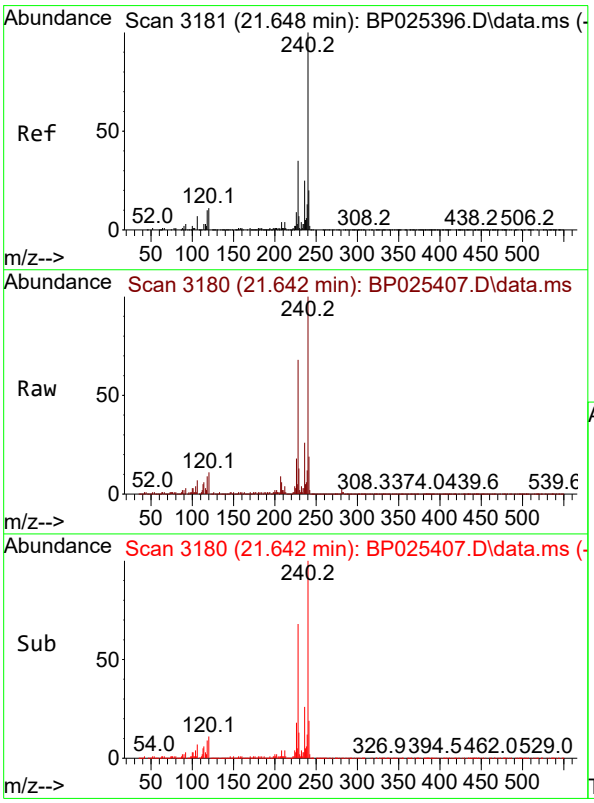
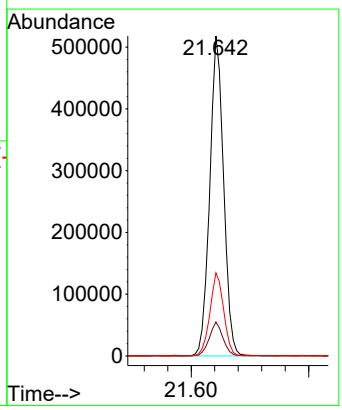
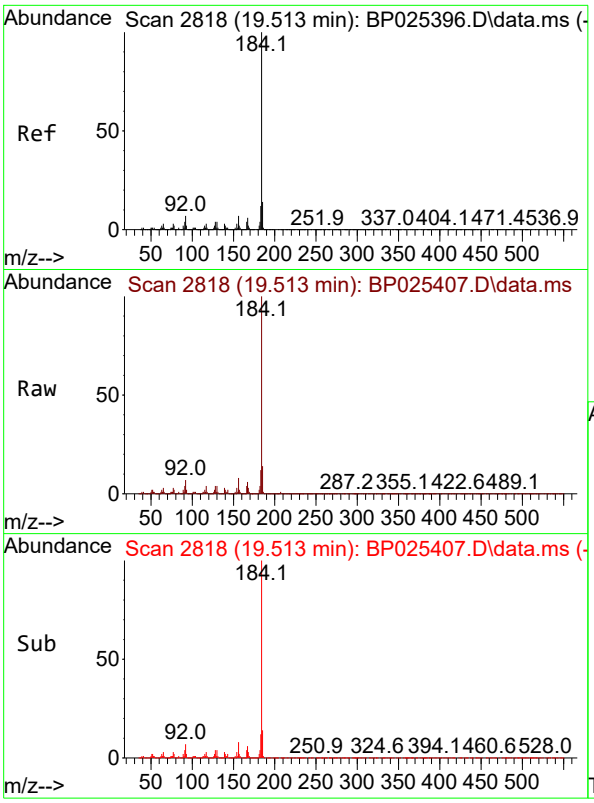


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:240 Resp: 848930

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.0	19.8	29.8

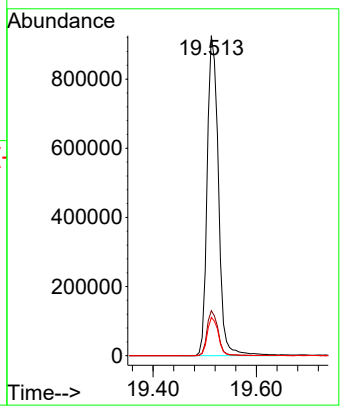




#77
Benzidine
Concen: 48.212 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:184 Resp: 139679

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.0	9.4	14.2



Instrument :
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ClientSampleId :
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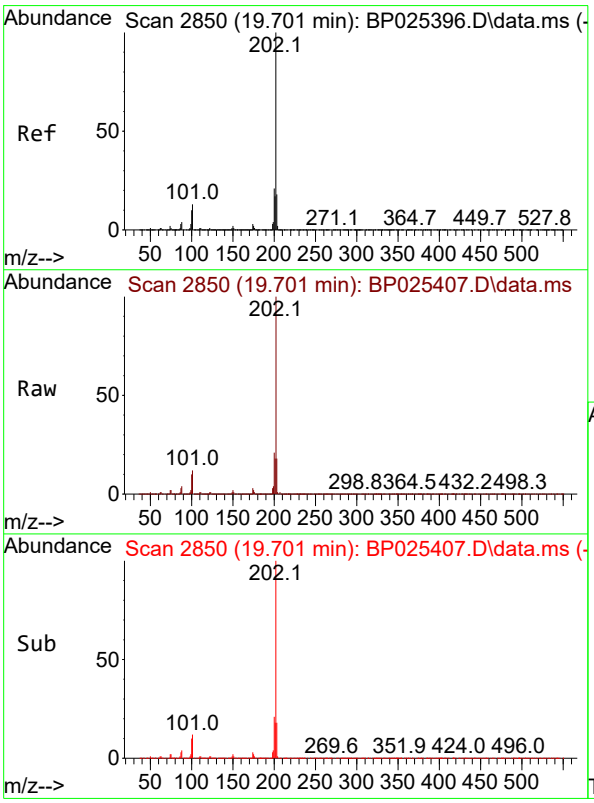
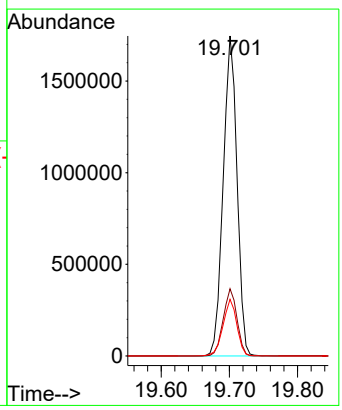
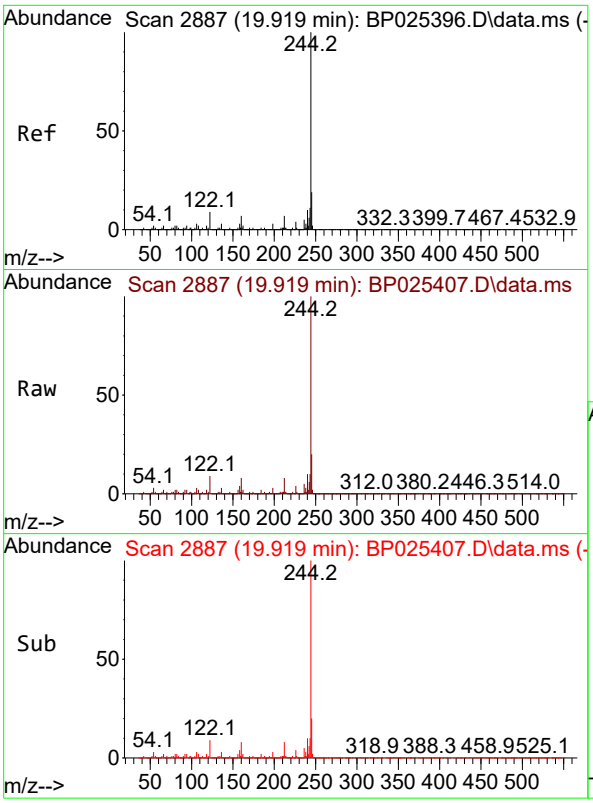


#78
Pyrene
Concen: 44.610 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:202 Resp: 2461482

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2

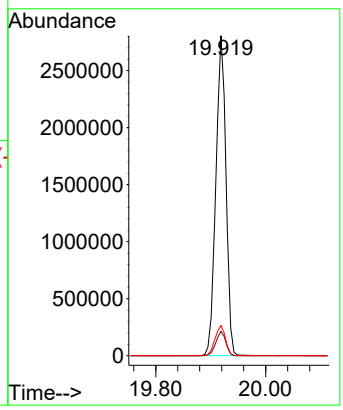




#79
Terphenyl-d14
Concen: 77.373 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:244 Resp: 359015

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.5	7.4	11.2



Instrument :
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ClientSampleId :
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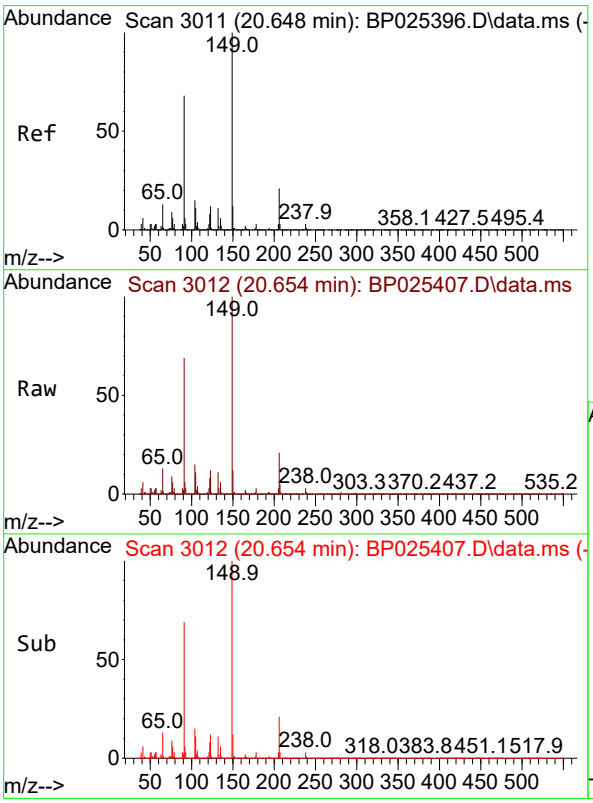
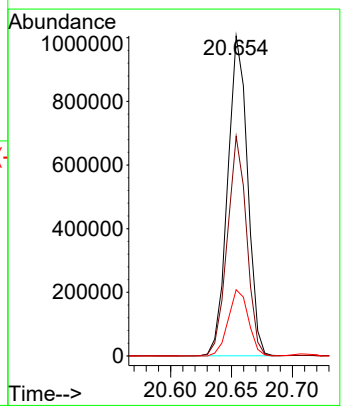
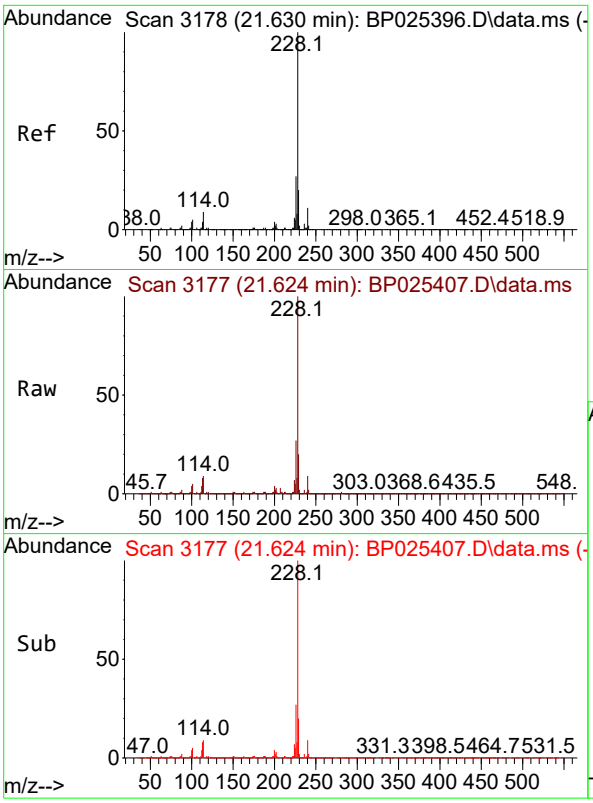


#80
Butylbenzylphthalate
Concen: 45.758 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1144283

Ion	Ratio	Lower	Upper
149	100		
91	68.7	54.2	81.2
206	20.7	16.6	24.8

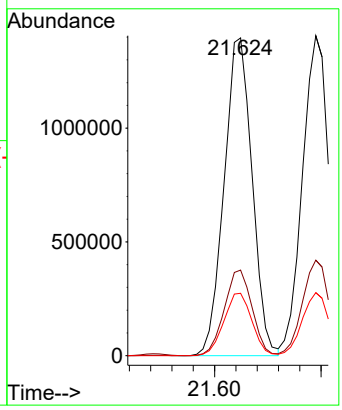




#81
Benzo(a)anthracene
Concen: 45.593 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:228 Resp: 255260

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
PB169228BS

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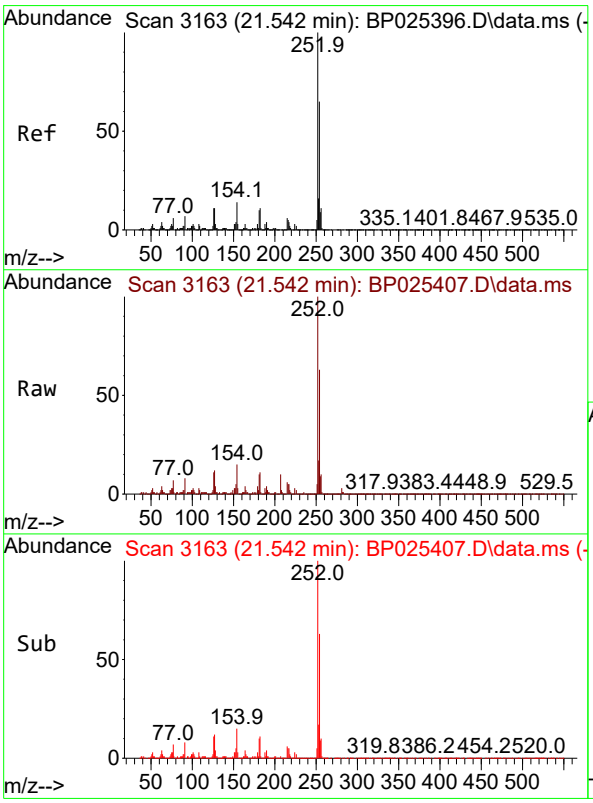
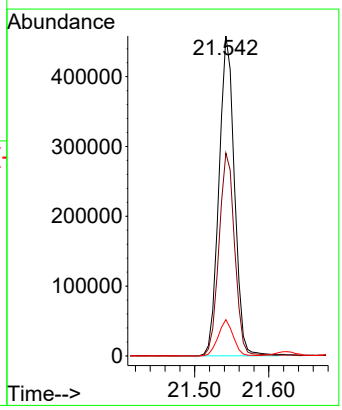
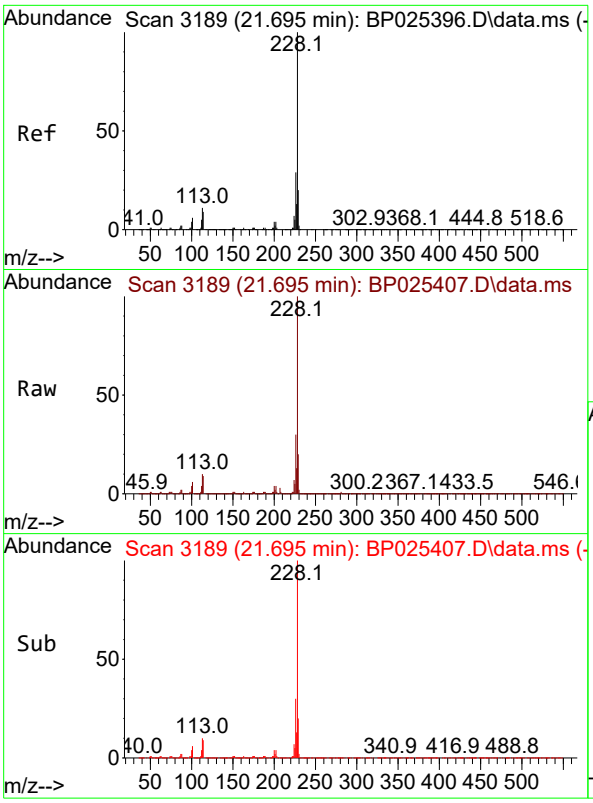


#82
3,3'-Dichlorobenzidine
Concen: 31.552 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 665844

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.8	77.6
126	11.4	9.1	13.7

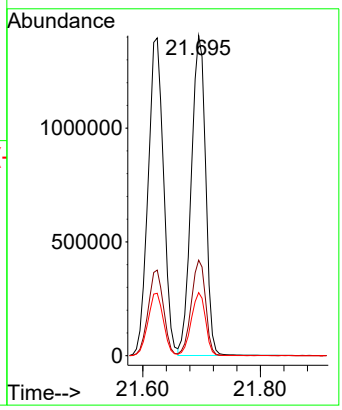




#83
Chrysene
Concen: 45.457 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:228 Resp: 238338

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4

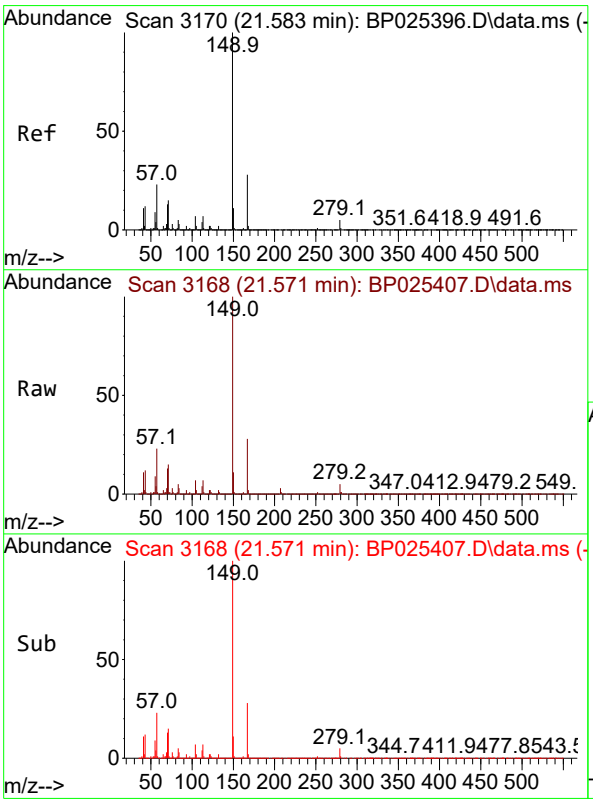


Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

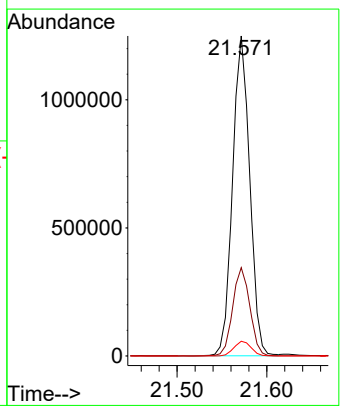
Supervised By :Jagrut Upadhyay
08/15/2025

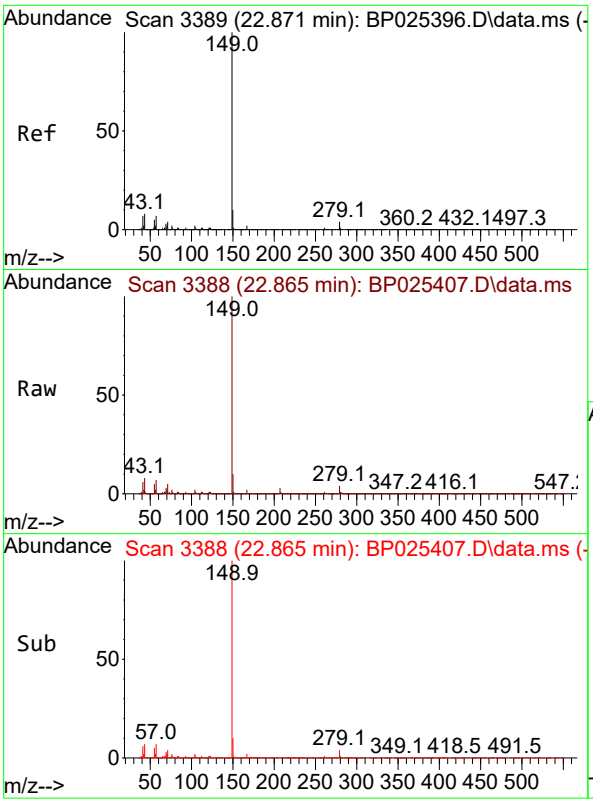


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.102 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1660300

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.6	3.8	5.6

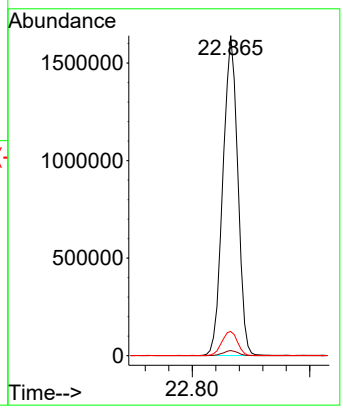




#85
Di-n-octyl phthalate
Concen: 45.504 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 288126

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED

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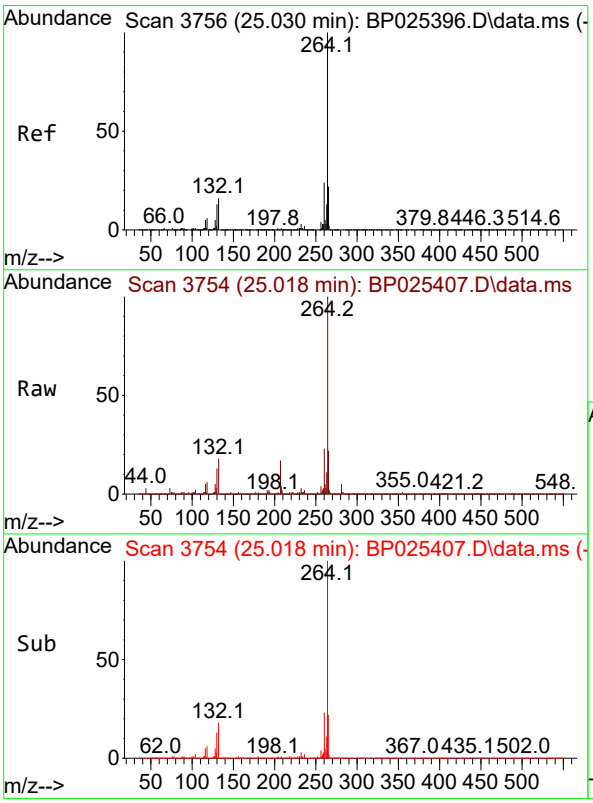
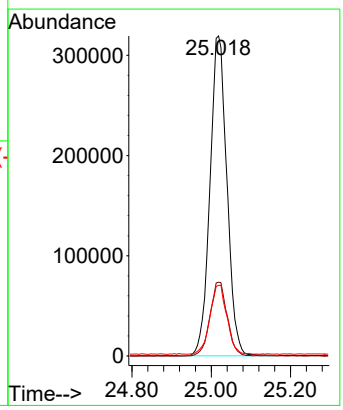
08/15/2025

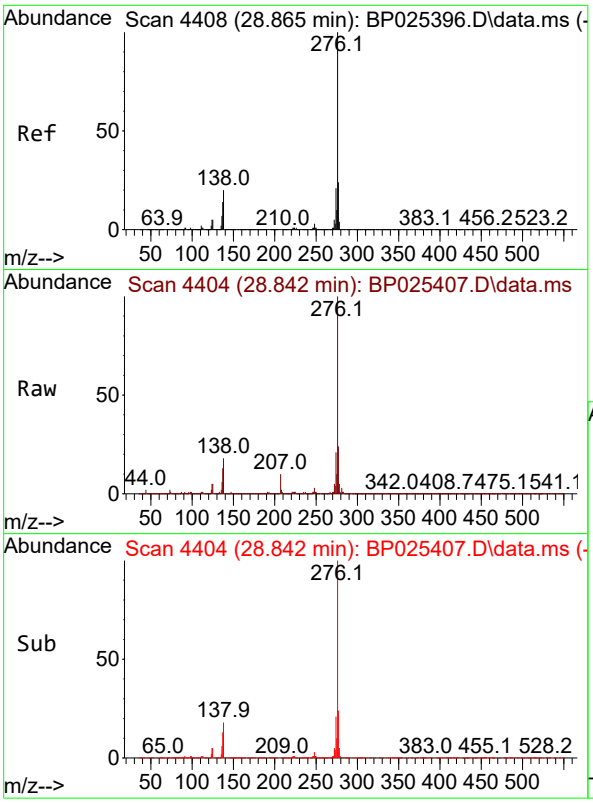


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:264 Resp: 946447

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.1	17.4	26.0

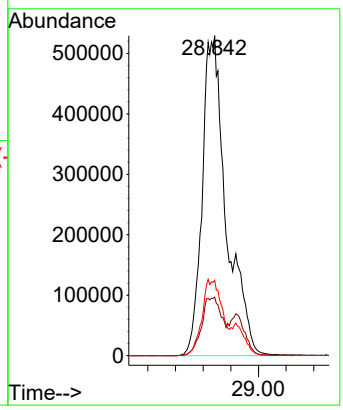




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.257 ng m
RT: 28.842 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:276 Resp: 321065

Ion	Ratio	Lower	Upper
276	100		
138	0.0	12.9	19.3#
277	0.0	17.0	25.6#



Instrument :
BNA_P
ClientSampleId :
PB169228BS

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Supervised By :Jagrut Upadhyay 08/15/2025

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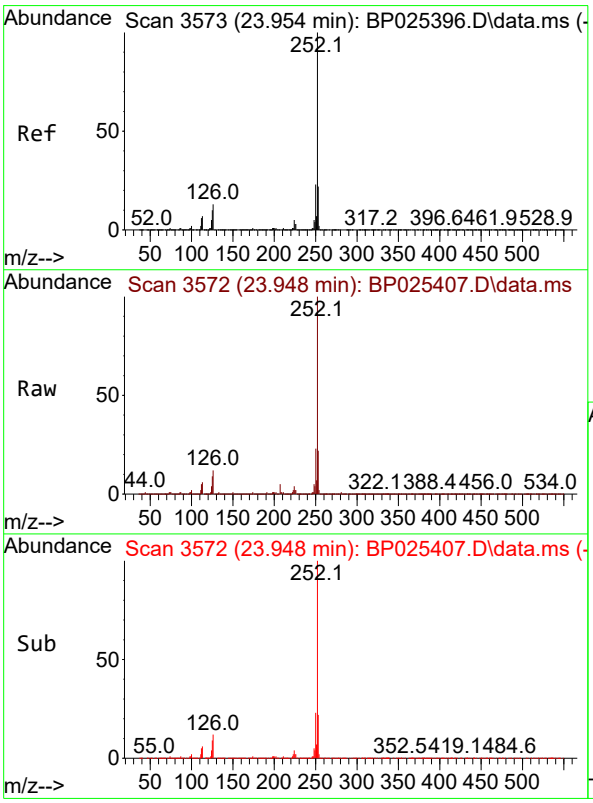
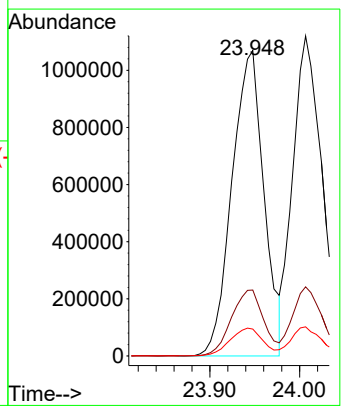
08/15/2025

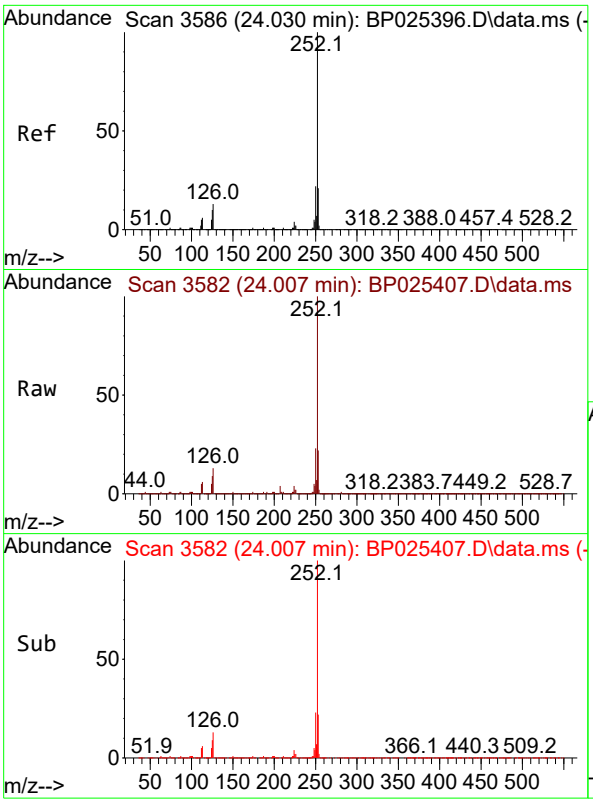


#88
Benzo(b)fluoranthene
Concen: 47.402 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 2645452

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.8	7.9	11.9

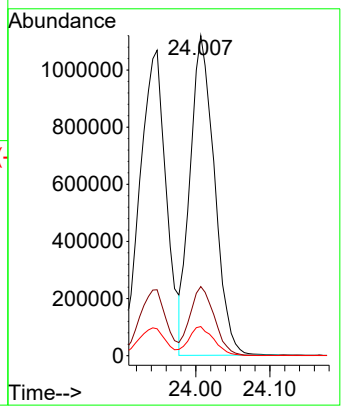




#89
Benzo(k)fluoranthene
Concen: 45.736 ng
RT: 24.007 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 255421

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.1	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
PB169228BS

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Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

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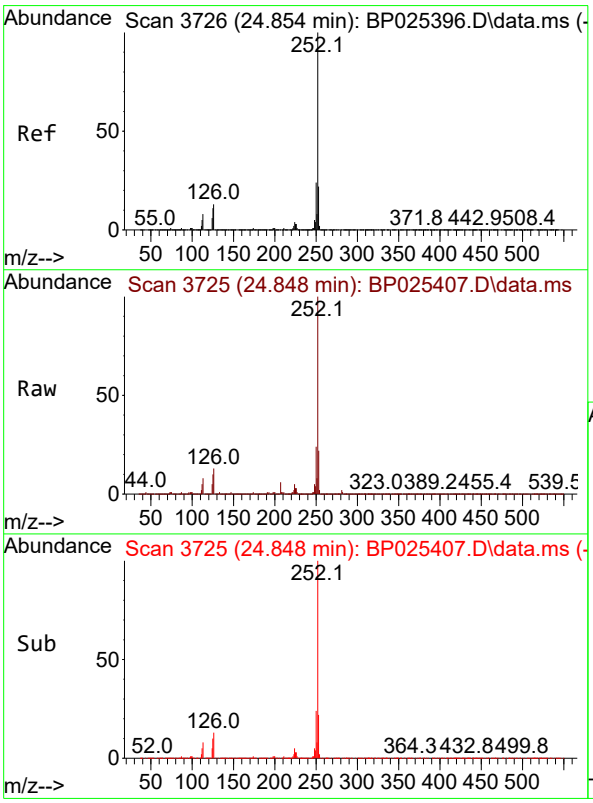
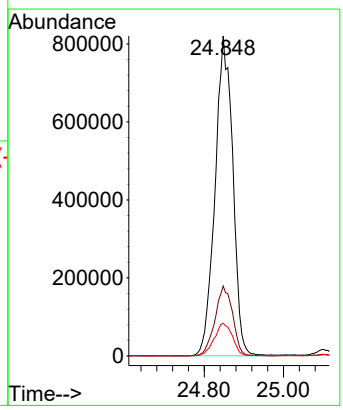
08/15/2025

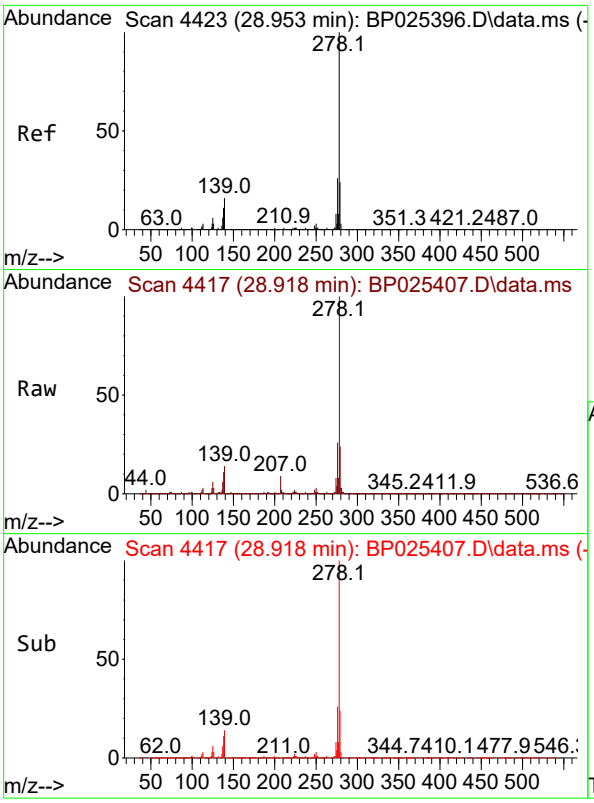


#90
Benzo(a)pyrene
Concen: 46.840 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 2544632

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	8.7	13.1

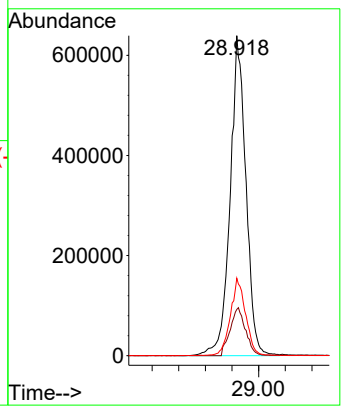




#91
Dibenzo(a,h)anthracene
Concen: 46.488 ng
RT: 28.918 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:278 Resp: 263687

Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.0	19.4
279	24.2	19.4	29.2

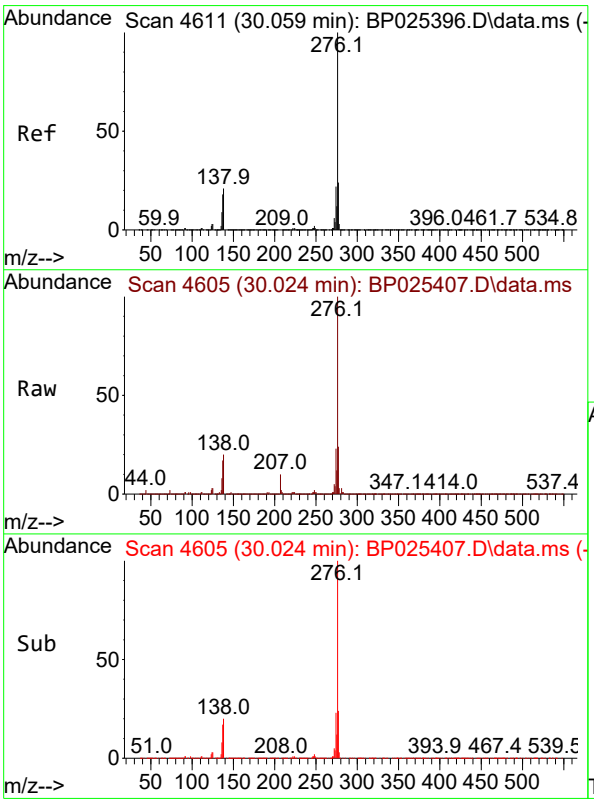


Instrument :
BNA_P
ClientSampleId :
PB169228BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

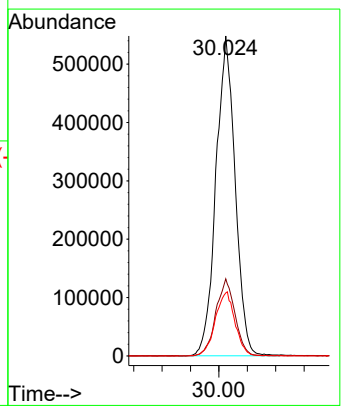
Supervised By :Jagrut Upadhyay
08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 46.141 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:276 Resp: 2572611

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	19.7	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169242BS			SDG No.:	Q2820
Lab Sample ID:	PB169242BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOC-TCL BNA -20
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025489.D	1	08/14/25 08:40	08/20/25 01:07	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	940		160	270	330	ug/Kg
108-95-2	Phenol	1600		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	130	170	ug/Kg
78-59-1	Isophorone	1600		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	1200		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1900		52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		27.1	130	170	ug/Kg

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BS	SDG No.:	Q2820
Lab Sample ID:	PB169242BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025489.D	1	08/14/25 08:40	08/20/25 01:07	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1400		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	1800		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	130	170	ug/Kg
86-73-7	Fluorene	1600		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	3600	E	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	130	170	ug/Kg
120-12-7	Anthracene	1600		33.3	130	170	ug/Kg
86-74-8	Carbazole	1700		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1700		30.0	130	170	ug/Kg
129-00-0	Pyrene	1600		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		23.0	130	170	ug/Kg
218-01-9	Chrysene	1700		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		19.0	130	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.			Date Collected:	
Project:	USACE018-44 DOD			Date Received:	
Client Sample ID:	PB169242BS			SDG No.:	Q2820
Lab Sample ID:	PB169242BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025489.D	1	08/14/25 08:40	08/20/25 01:07	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134		35 - 115		90%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.8		37 - 122		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 115		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		39 - 132		97%	SPK: 150
1718-51-0	Terphenyl-d14	86.4		54 - 127		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126000	7.796				
1146-65-2	Naphthalene-d8	506000	10.566				
15067-26-2	Acenaphthene-d10	364000	14.401				
1517-22-2	Phenanthrene-d10	786000	17.189				
1719-03-5	Chrysene-d12	838000	21.625				
1520-96-3	Perylene-d12	884000	24.989				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025489.D
Acq On : 20 Aug 2025 01:07
Operator : CG/JU
Sample : PB169242BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Quant Time: Aug 20 02:27:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	125615	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	505871	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	363724	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	785967	20.000	ng	-0.01
76) Chrysene-d12	21.625	240	837525	20.000	ng	-0.02
86) Perylene-d12	24.989	264	883653	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1016778	134.424	ng	0.00
7) Phenol-d6	6.972	99	1302531	134.314	ng	0.00
23) Nitrobenzene-d5	8.931	82	838338	83.831	ng	0.00
42) 2,4,6-Tribromophenol	15.907	330	711475	145.325	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2044889	76.836	ng	0.00
79) Terphenyl-d14	19.901	244	3953214	86.358	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	100520	33.927	ng	97
3) Pyridine	3.731	79	298101	36.760	ng	98
4) n-Nitrosodimethylamine	3.631	42	161754	48.382	ng	91
6) Aniline	7.125	93	519797	39.782	ng	99
8) 2-Chlorophenol	7.366	128	417455	48.907	ng	98
9) Benzaldehyde	6.943	77	192102	28.274	ng	99
10) Phenol	7.002	94	503580	49.488	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	362223	45.670	ng	99
12) 1,3-Dichlorobenzene	7.684	146	425265	45.184	ng	99
13) 1,4-Dichlorobenzene	7.831	146	433606	45.073	ng	99
14) 1,2-Dichlorobenzene	8.143	146	419293	45.026	ng	98
15) Benzyl Alcohol	8.031	79	371563	48.221	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	499110	46.976	ng	99
17) 2-Methylphenol	8.231	107	347697	49.197	ng	97
18) Hexachloroethane	8.866	117	160973	45.510	ng	95
19) n-Nitroso-di-n-propyla...	8.590	70	289898	45.130	ng	97
20) 3+4-Methylphenols	8.549	107	483810	49.386	ng	98
22) Acetophenone	8.602	105	606991	47.846	ng	98
24) Nitrobenzene	8.972	77	430234	48.138	ng	97
25) Isophorone	9.502	82	843994	47.689	ng	99
26) 2-Nitrophenol	9.678	139	223852	48.804	ng	97
27) 2,4-Dimethylphenol	9.743	122	400946	50.831	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	505254	47.229	ng	98
29) 2,4-Dichlorophenol	10.213	162	404232	51.589	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	401415	46.732	ng	99
31) Naphthalene	10.613	128	1244457	47.331	ng	100
32) Benzoic acid	9.890	122	331854	56.986	ng	98
33) 4-Chloroaniline	10.713	127	401484	34.569	ng	99
34) Hexachlorobutadiene	10.902	225	251210	46.960	ng	99
35) Caprolactam	11.502	113	165373	57.557	ng	97
36) 4-Chloro-3-methylphenol	11.843	107	489388	54.429	ng	98
37) 2-Methylnaphthalene	12.213	142	816767	47.734	ng	98
38) 1-Methylnaphthalene	12.437	142	875005	48.086	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	466718	44.429	ng	99
41) Hexachlorocyclopentadiene	12.572	237	547819	86.335	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	351027	49.497	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025489.D
Acq On : 20 Aug 2025 01:07
Operator : CG/JU
Sample : PB169242BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Quant Time: Aug 20 02:27:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

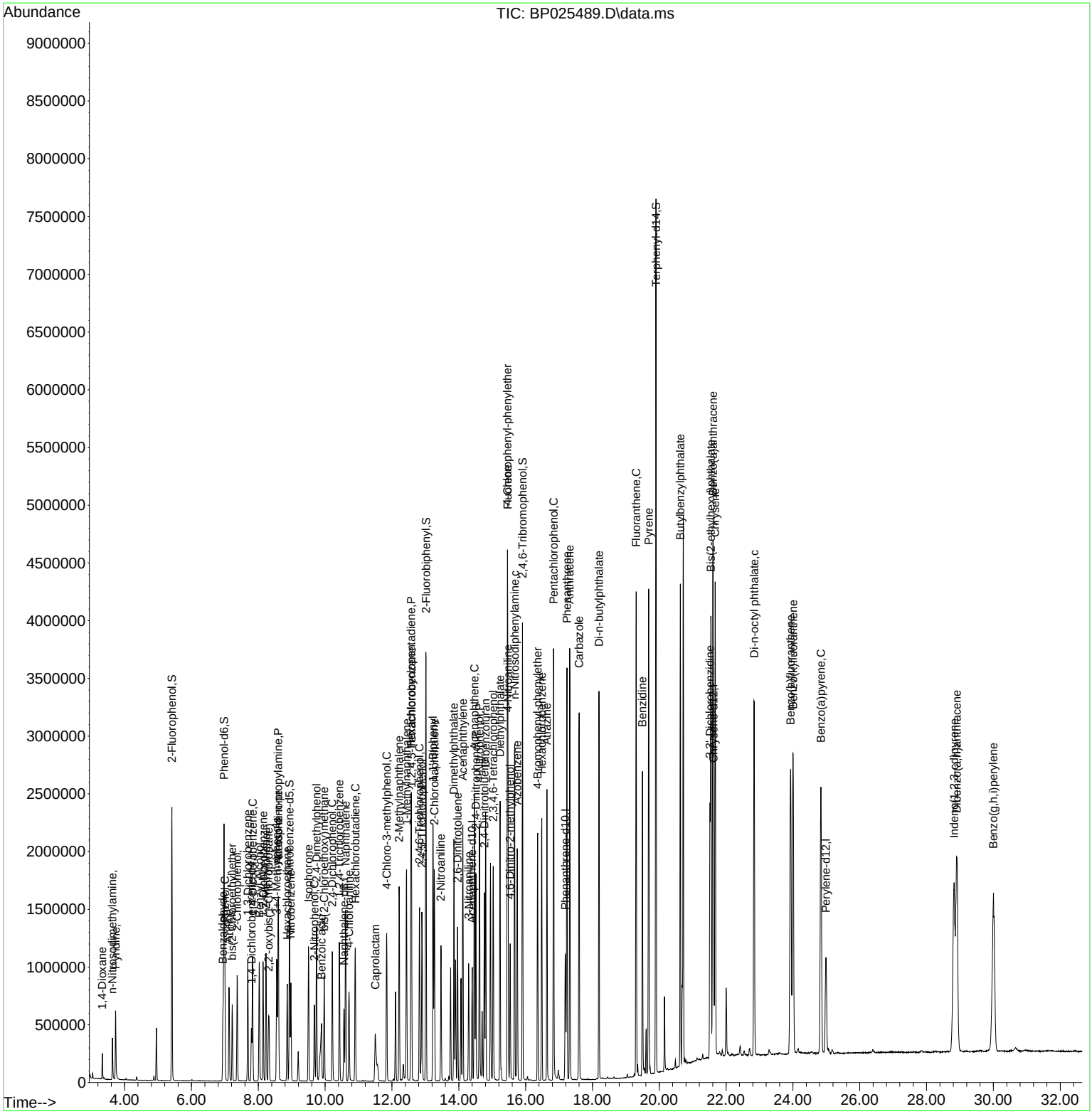
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	398379	51.255	ng	100
46) 1,1'-Biphenyl	13.231	154	1213211	45.928	ng	99
47) 2-Chloronaphthalene	13.266	162	928328	45.143	ng	100
48) 2-Nitroaniline	13.466	65	331140	55.264	ng	98
49) Acenaphthylene	14.119	152	1618996	47.578	ng	100
50) Dimethylphthalate	13.854	163	1356557	50.931	ng	99
51) 2,6-Dinitrotoluene	13.966	165	300006	53.440	ng	98
52) Acenaphthene	14.466	154	940183	47.071	ng	100
53) 3-Nitroaniline	14.296	138	256549	40.618	ng	97
54) 2,4-Dinitrophenol	14.513	184	376459	125.571	ng	95
55) Dibenzofuran	14.801	168	1506121	47.694	ng	98
56) 4-Nitrophenol	14.619	139	597756	115.169	ng	91
57) 2,4-Dinitrotoluene	14.766	165	460365	57.476	ng	97
58) Fluorene	15.460	166	1219615	48.945	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	366949	53.468	ng	98
60) Diethylphthalate	15.237	149	1431889	52.907	ng	98
61) 4-Chlorophenyl-phenyle...	15.454	204	595570	48.058	ng	97
62) 4-Nitroaniline	15.472	138	345776	53.400	ng	93
63) Azobenzene	15.748	77	1241428	53.570	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	263835	53.851	ng	93
66) n-Nitrosodiphenylamine	15.672	169	1153302	48.120	ng	99
67) 4-Bromophenyl-phenylether	16.360	248	404681	46.815	ng	97
68) Hexachlorobenzene	16.484	284	477945	47.697	ng	97
69) Atrazine	16.637	200	464200	51.717	ng	97
70) Pentachlorophenol	16.837	266	678508	107.267	ng	98
71) Phenanthrene	17.237	178	2106985	48.800	ng	100
72) Anthracene	17.319	178	2136608	48.459	ng	99
73) Carbazole	17.601	167	2120545	51.060	ng	99
74) Di-n-butylphthalate	18.195	149	2680990	52.470	ng	99
75) Fluoranthene	19.307	202	2590995	50.309	ng	99
77) Benzidine	19.495	184	1477006	51.674	ng	100
78) Pyrene	19.683	202	2692453	49.460	ng	99
80) Butylbenzylphthalate	20.630	149	1285781	52.116	ng	100
81) Benzo(a)anthracene	21.607	228	2778617	50.305	ng	100
82) 3,3'-Dichlorobenzidine	21.519	252	778549	37.395	ng	99
83) Chrysene	21.672	228	2595574	50.178	ng	99
84) Bis(2-ethylhexyl)phtha...	21.542	149	1893639	52.141	ng	100
85) Di-n-octyl phthalate	22.842	149	3252836	52.072	ng	98
87) Indeno(1,2,3-cd)pyrene	28.824	276	3313996	51.139	ng	97
88) Benzo(b)fluoranthene	23.930	252	2770744	53.175	ng	99
89) Benzo(k)fluoranthene	24.007	252	2746666	52.677	ng	99
90) Benzo(a)pyrene	24.836	252	2643770	52.123	ng	99
91) Dibenzo(a,h)anthracene	28.907	278	2719515	51.352	ng	98
92) Benzo(g,h,i)perylene	30.001	276	2689664	51.668	ng	99

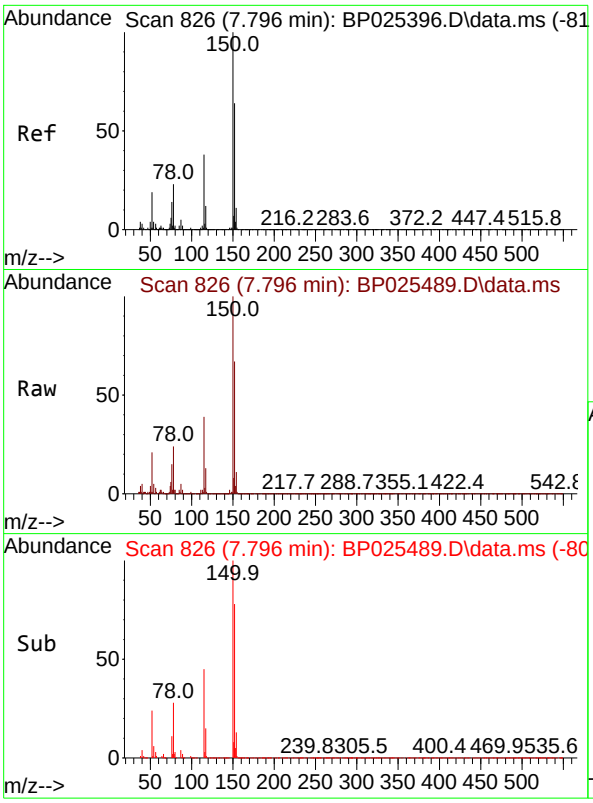
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025489.D
Acq On : 20 Aug 2025 01:07
Operator : CG/JU
Sample : PB169242BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Quant Time: Aug 20 02:27:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



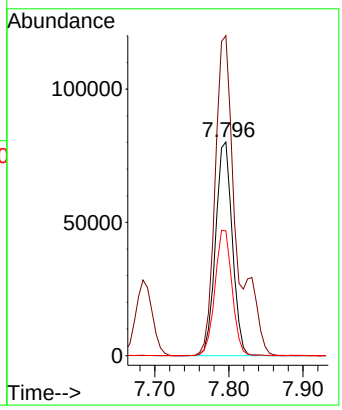


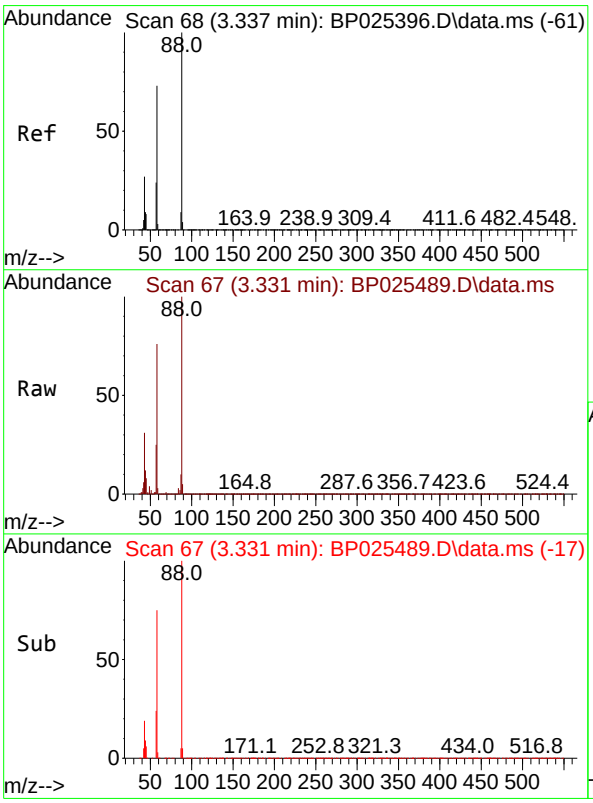
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:152 Resp: 125615

Ion	Ratio	Lower	Upper
152	100		
150	149.8	125.9	188.9
115	58.4	48.5	72.7

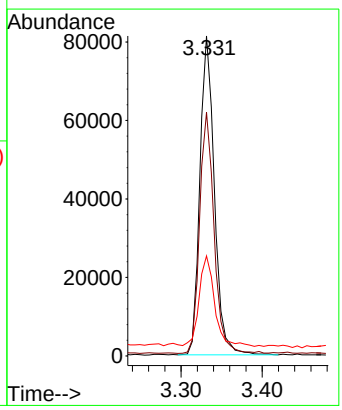


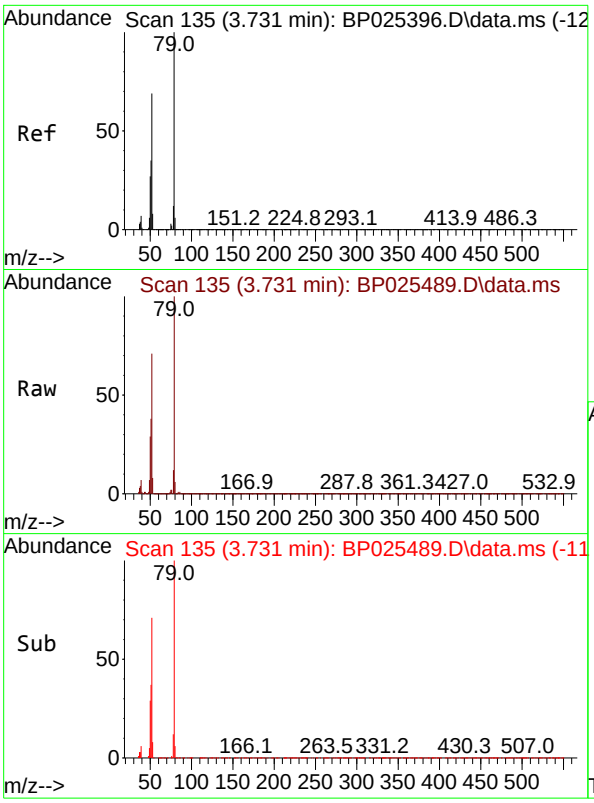


#2
1,4-Dioxane
Concen: 33.927 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 88 Resp: 100520

Ion	Ratio	Lower	Upper
88	100		
58	75.5	59.2	88.8
43	30.2	21.7	32.5



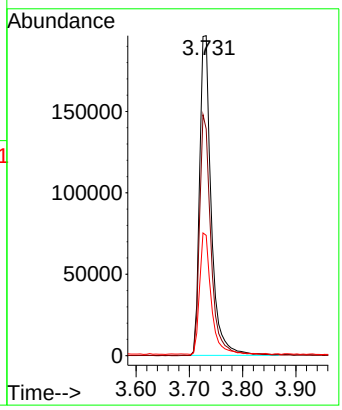


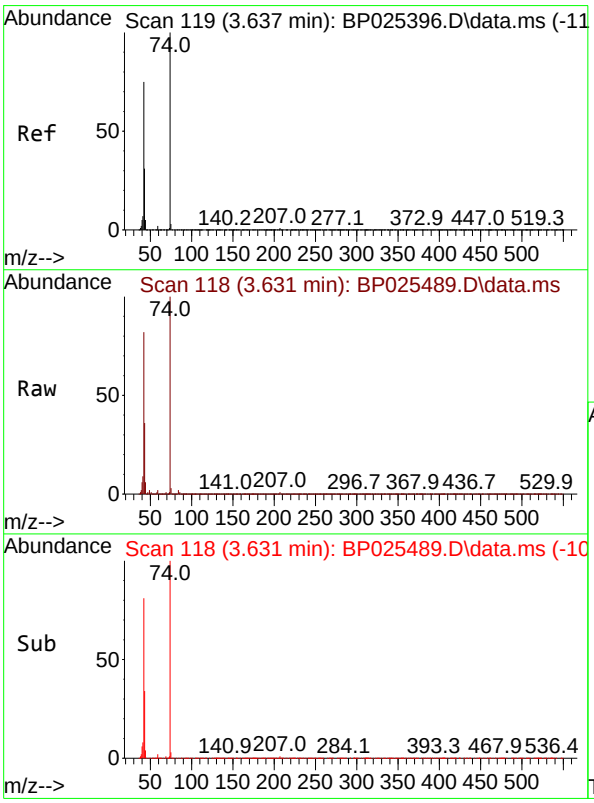
#3
Pyridine
Concen: 36.760 ng
RT: 3.731 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 79 Resp: 298101

Ion	Ratio	Lower	Upper
79	100		
52	70.9	55.5	83.3
51	37.6	28.3	42.5

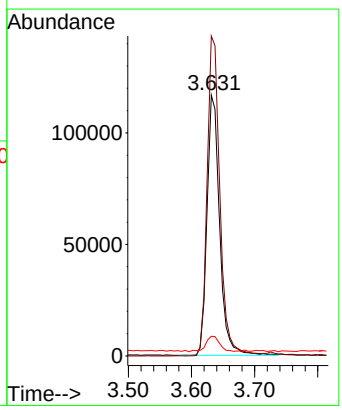


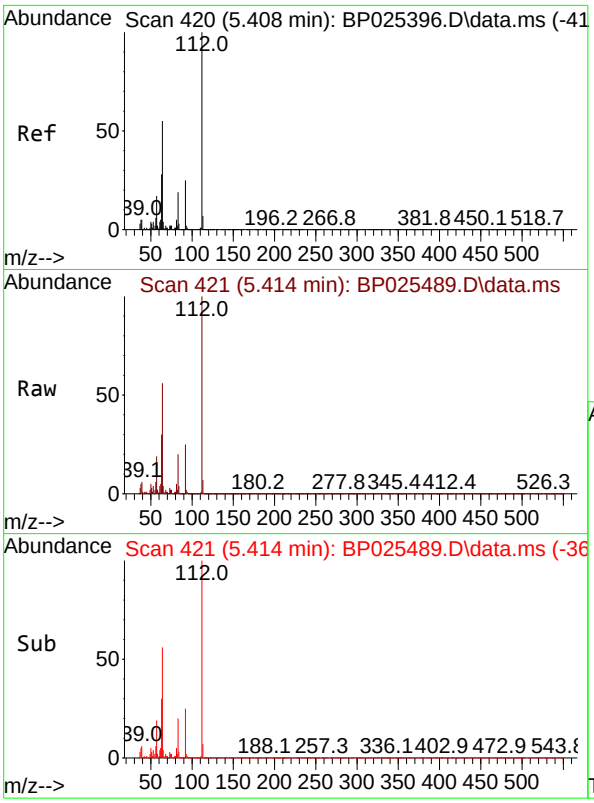


#4
n-Nitrosodimethylamine
Concen: 48.382 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 42 Resp: 161754

Ion	Ratio	Lower	Upper
42	100		
74	122.7	107.0	160.4
44	7.5	6.2	9.4



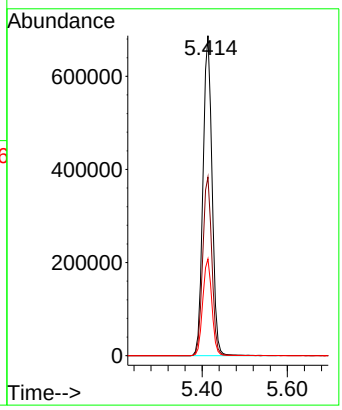


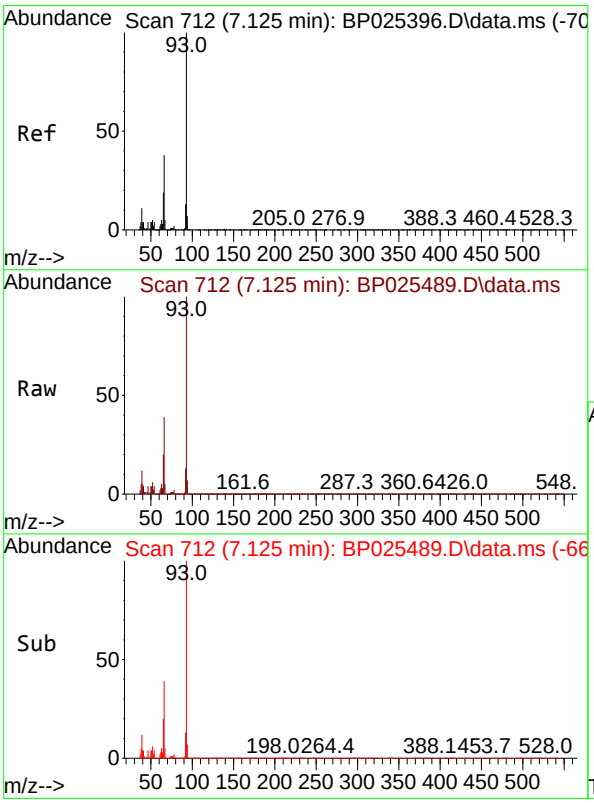
#5
2-Fluorophenol
Concen: 134.424 ng
RT: 5.414 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:112 Resp: 1016778

Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.8
63	30.3	22.7	34.1

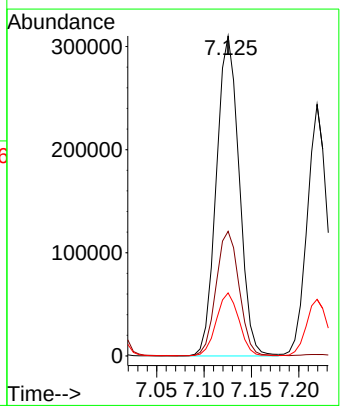


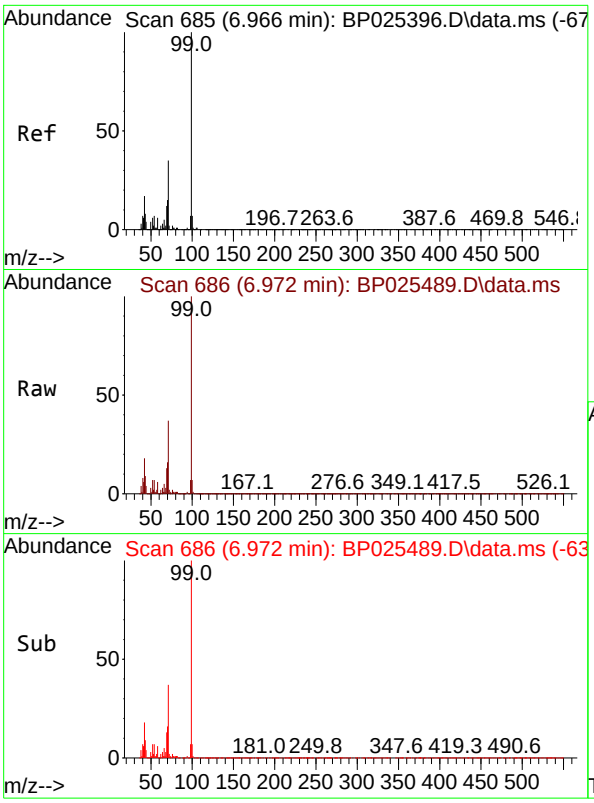


#6
Aniline
Concen: 39.782 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 93 Resp: 519797

Ion	Ratio	Lower	Upper
93	100		
66	38.9	30.4	45.6
65	19.7	15.3	22.9



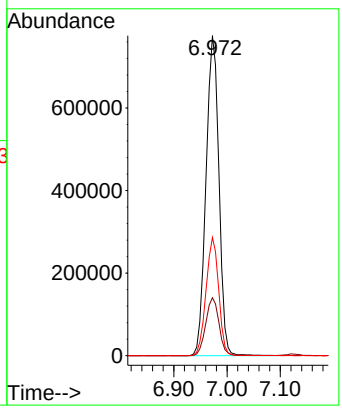


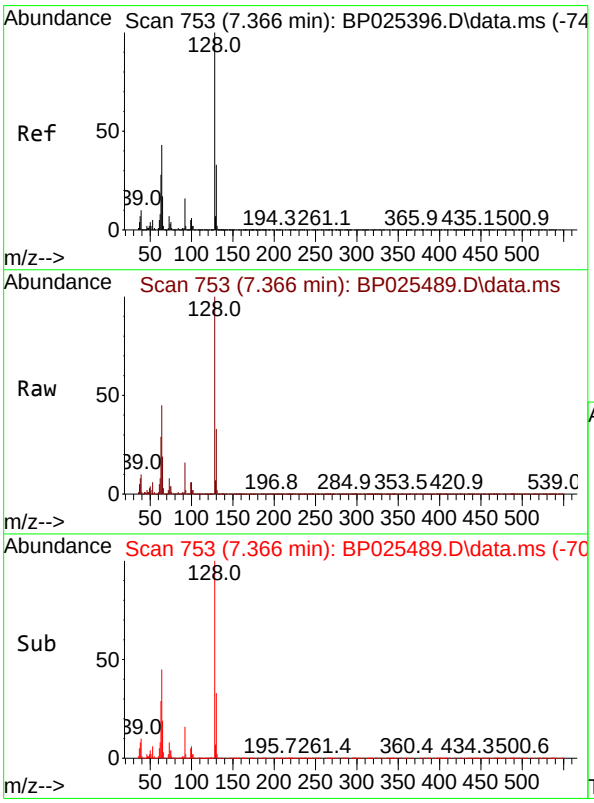
#7
Phenol-d6
Concen: 134.314 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 99 Resp: 1302531

Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.7	20.5
71	36.9	28.2	42.4

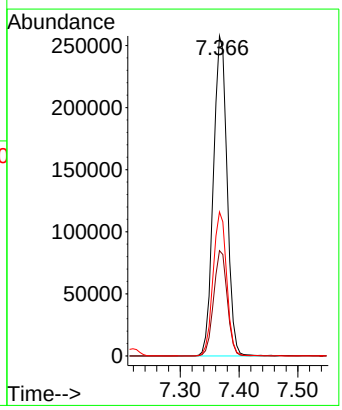


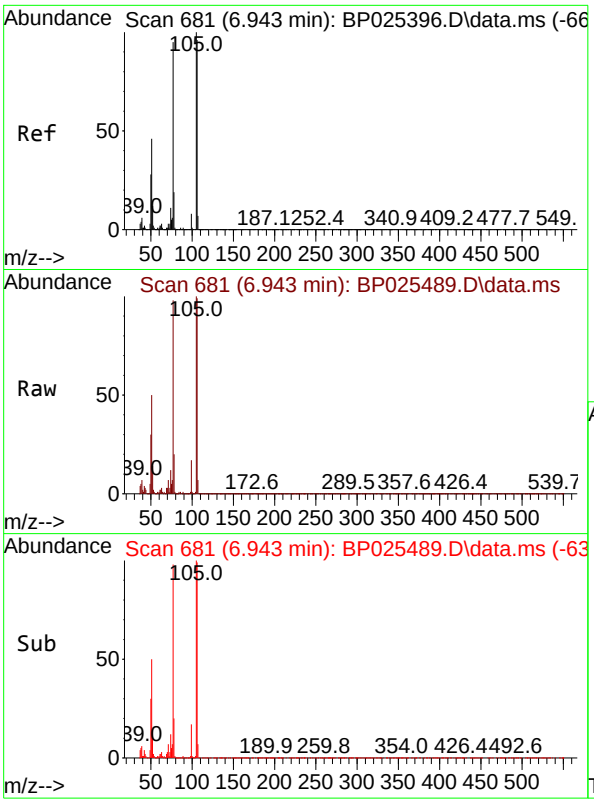


#8
2-Chlorophenol
Concen: 48.907 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:128 Resp: 417455

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	45.0	23.4	63.4



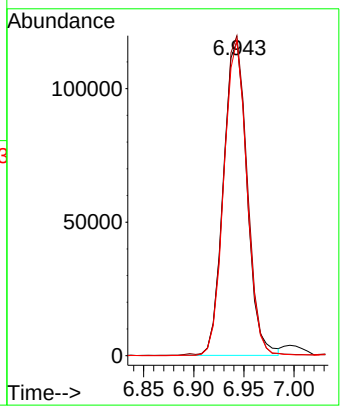


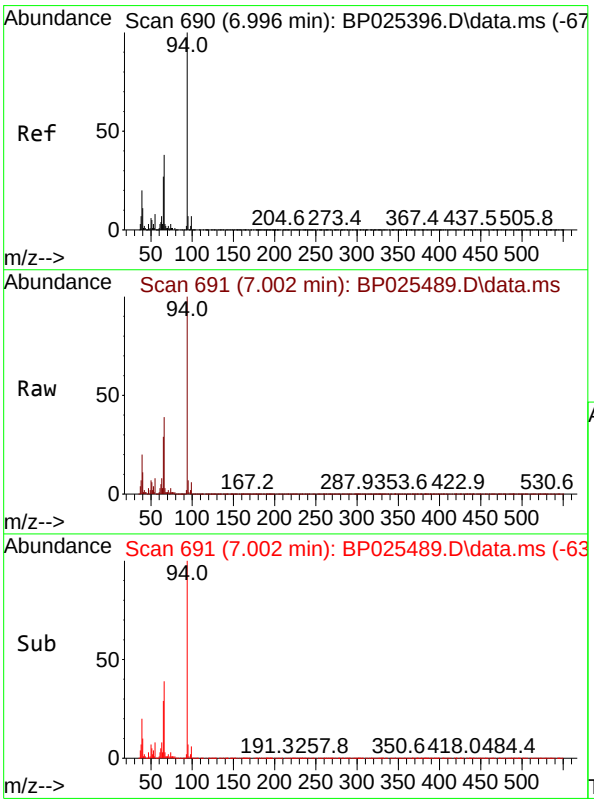
#9
Benzaldehyde
Concen: 28.274 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 77 Resp: 192102

Ion	Ratio	Lower	Upper
77	100		
105	101.8	84.8	124.8
106	100.5	80.5	120.5

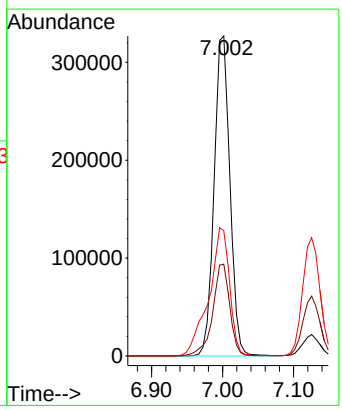


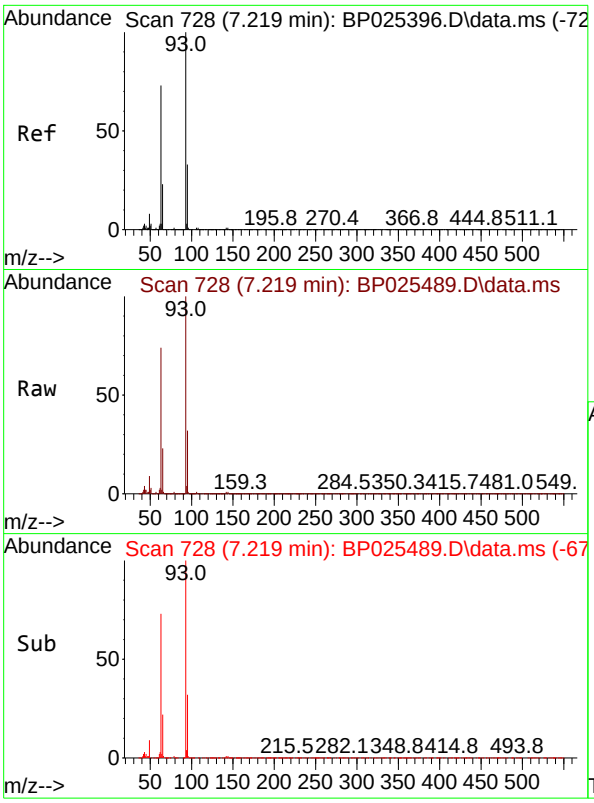


#10
Phenol
Concen: 49.488 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 94 Resp: 503580

Ion	Ratio	Lower	Upper
94	100		
65	28.7	6.8	46.8
66	39.1	18.2	58.2



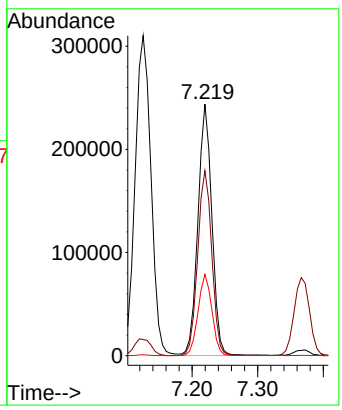


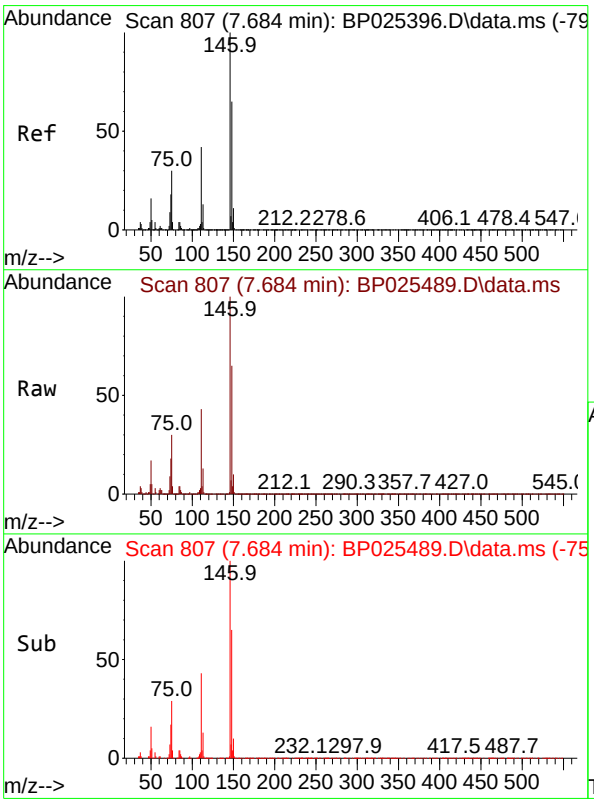
#11
bis(2-Chloroethyl)ether
Concen: 45.670 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 93 Resp: 362223

Ion	Ratio	Lower	Upper
93	100		
63	73.5	52.6	92.6
95	32.3	12.7	52.7

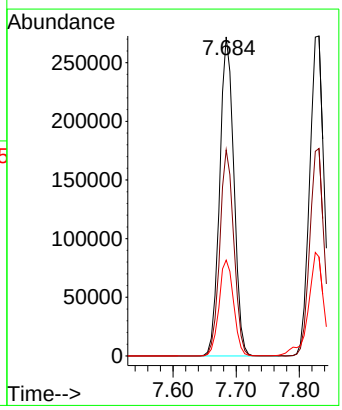


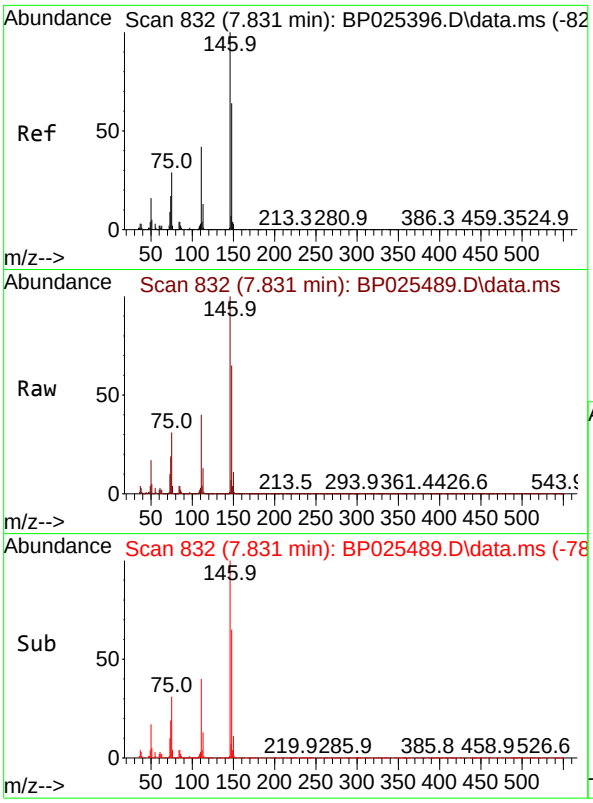


#12
1,3-Dichlorobenzene
Concen: 45.184 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:146 Resp: 425265

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	30.1	23.7	35.5



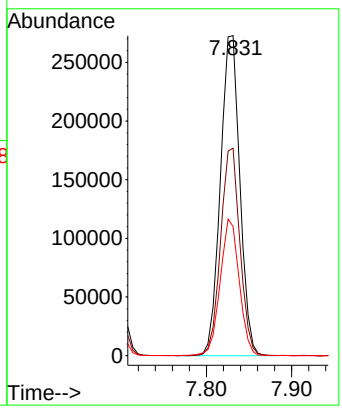


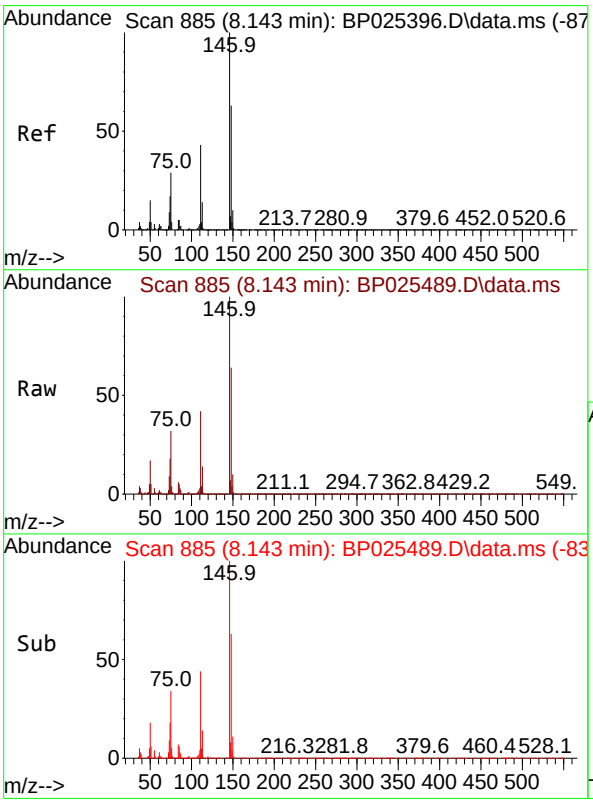
#13
1,4-Dichlorobenzene
Concen: 45.073 ng
RT: 7.831 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:146 Resp: 433606

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.6	77.4
111	40.3	33.4	50.0

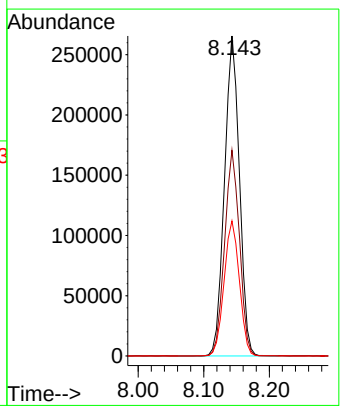


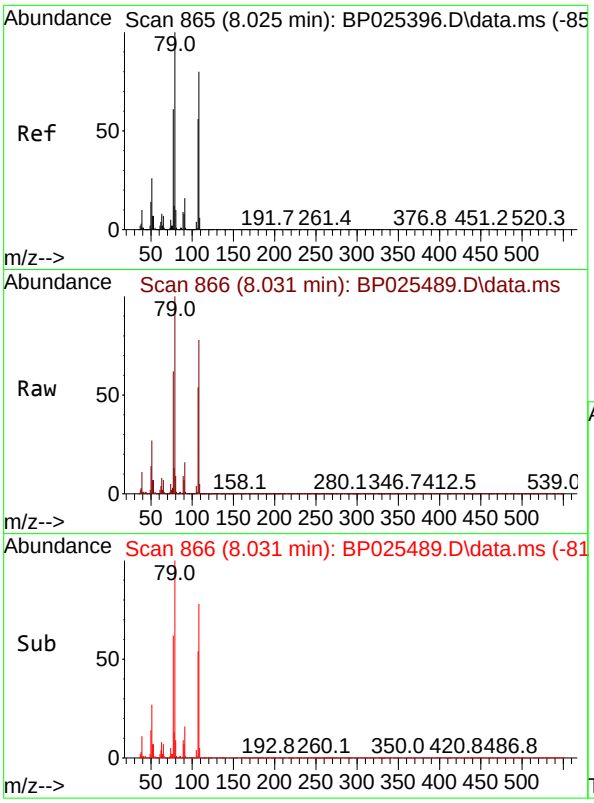


#14
1,2-Dichlorobenzene
Concen: 45.026 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:146 Resp: 419293

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	42.2	34.5	51.7



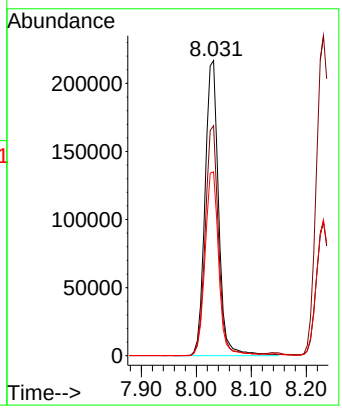


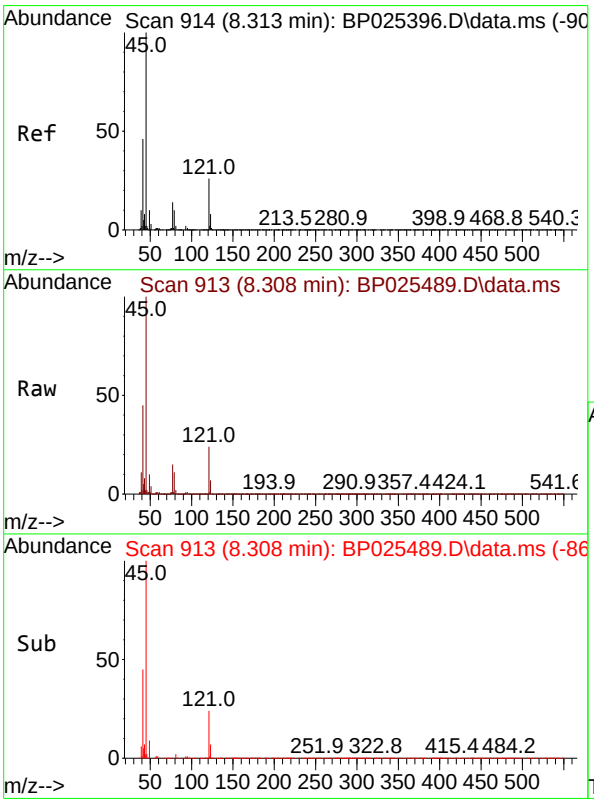
#15
Benzyl Alcohol
Concen: 48.221 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 79 Resp: 371563

Ion	Ratio	Lower	Upper
79	100		
108	77.9	63.8	95.6
77	62.3	49.0	73.4

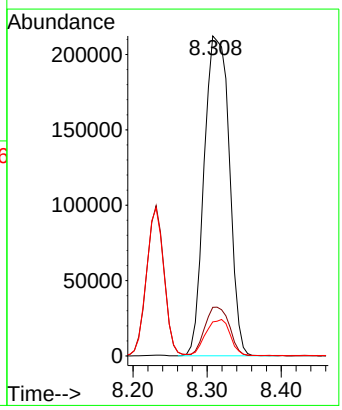


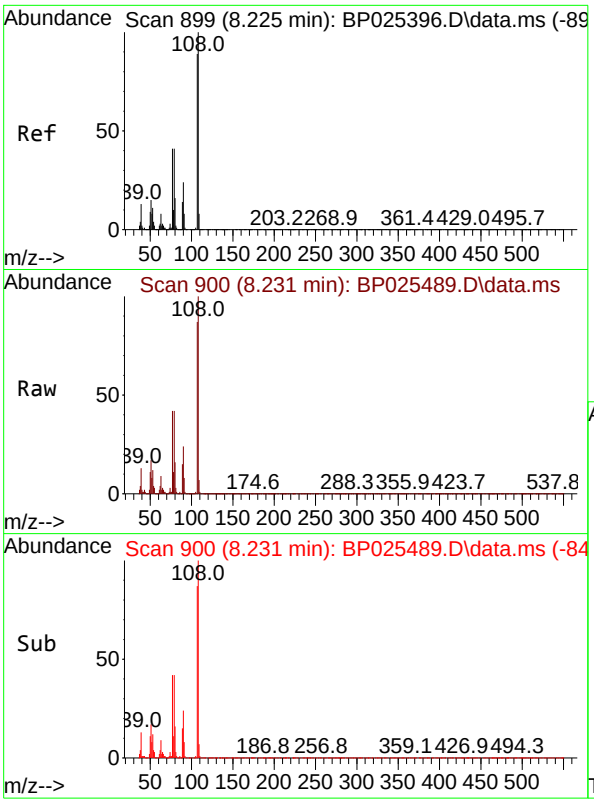


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.976 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 45 Resp: 499110

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.3
79	10.6	0.0	31.8



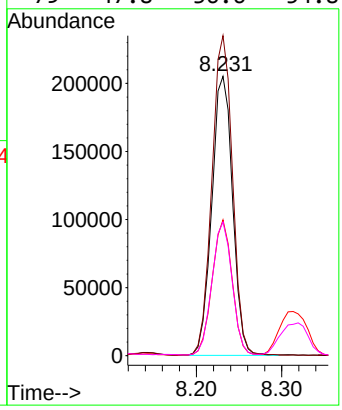


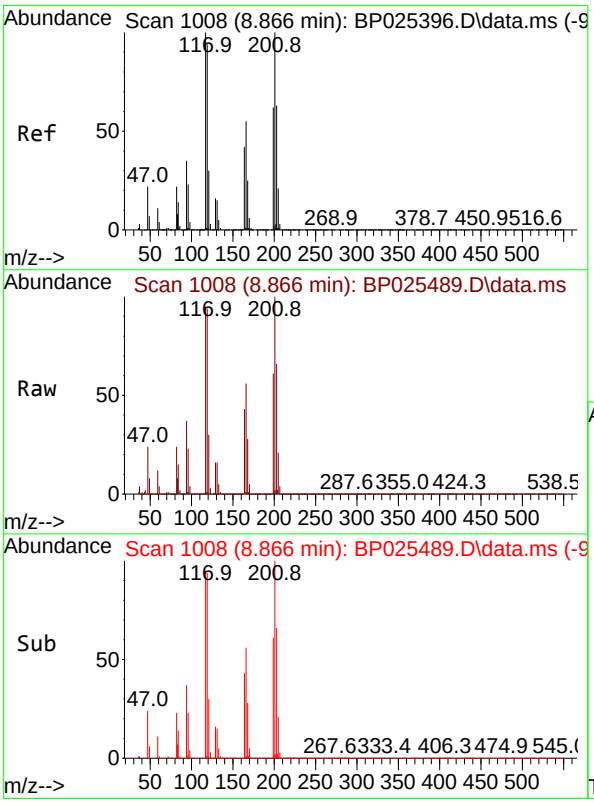
#17
2-Methylphenol
Concen: 49.197 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:107 Resp: 347697

Ion	Ratio	Lower	Upper
107	100		
108	114.5	89.4	134.0
77	48.6	36.3	54.5
79	47.8	36.6	54.8

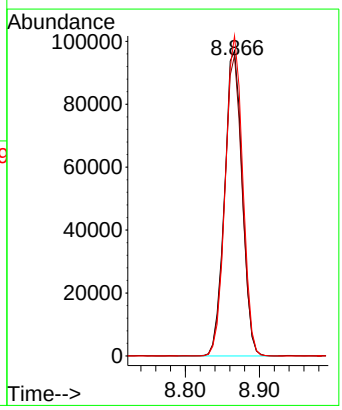


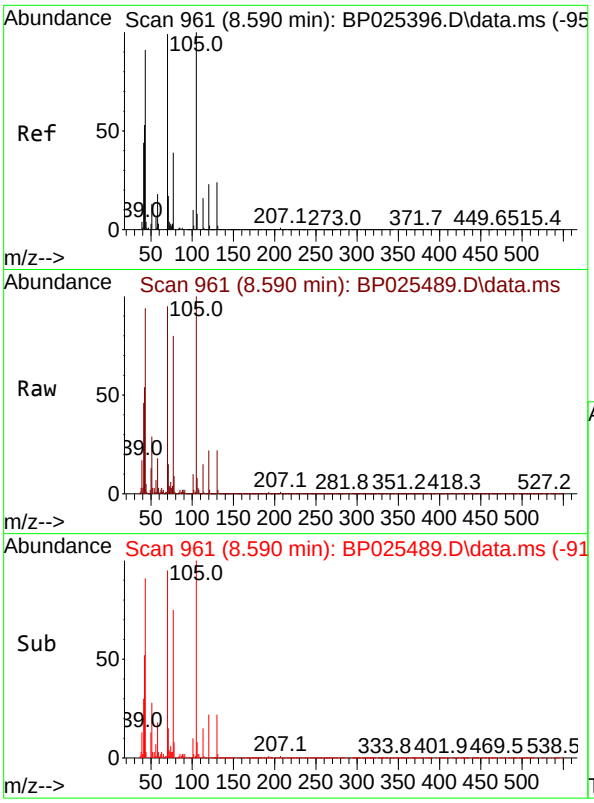


#18
Hexachloroethane
Concen: 45.510 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:117 Resp: 160973

Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.1	112.7
201	104.8	80.1	120.1



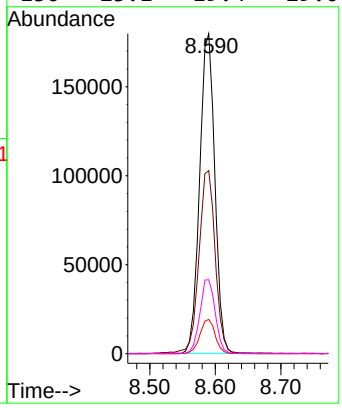


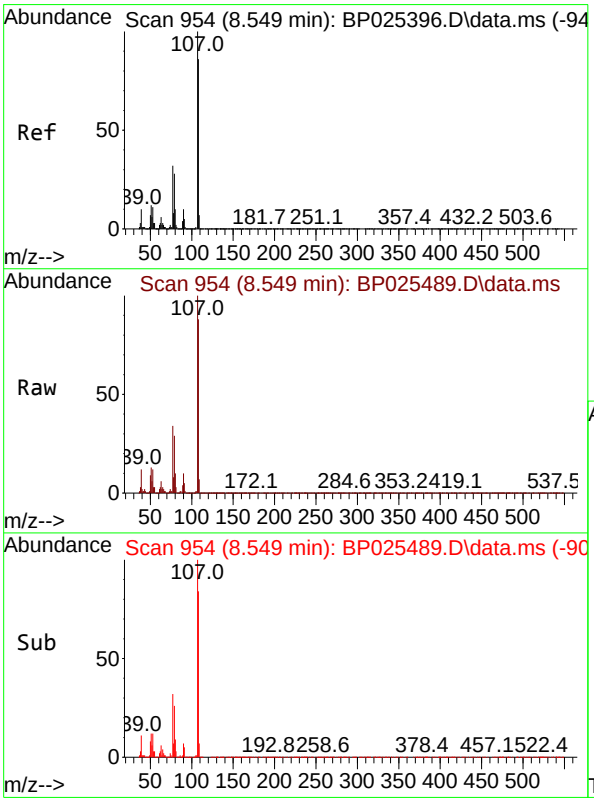
#19
n-Nitroso-di-n-propylamine
Concen: 45.130 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 70 Resp: 289898

Ion	Ratio	Lower	Upper
70	100		
42	57.2	43.8	65.6
101	10.7	8.5	12.7
130	23.1	19.4	29.0

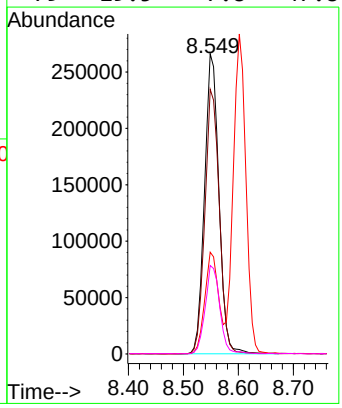


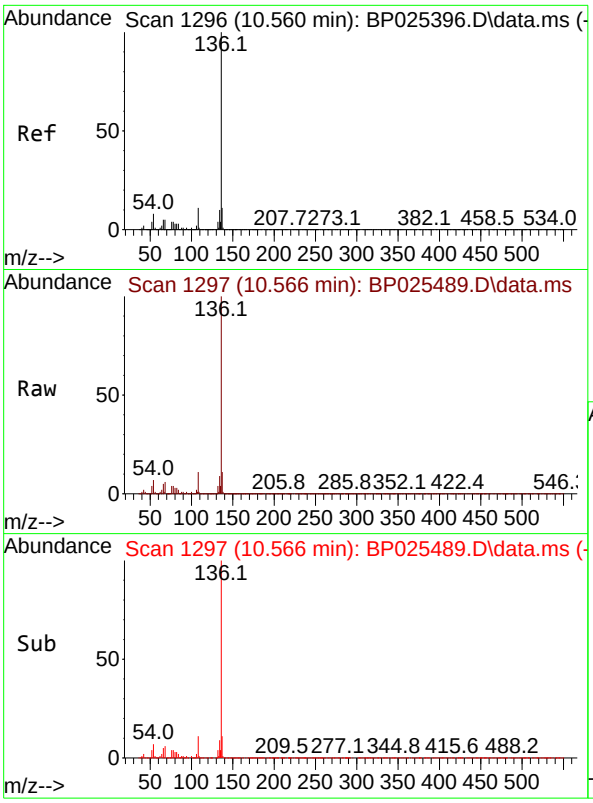


#20
3+4-Methylphenols
Concen: 49.386 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:107 Resp: 483810

Ion	Ratio	Lower	Upper
107	100		
108	88.2	66.3	106.3
77	33.9	12.3	52.3
79	29.5	7.8	47.8



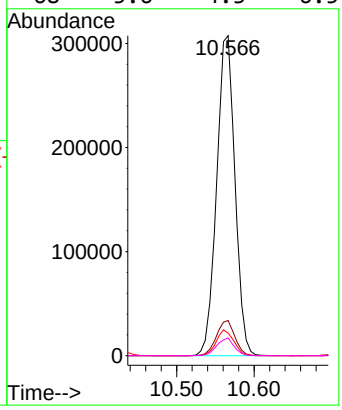


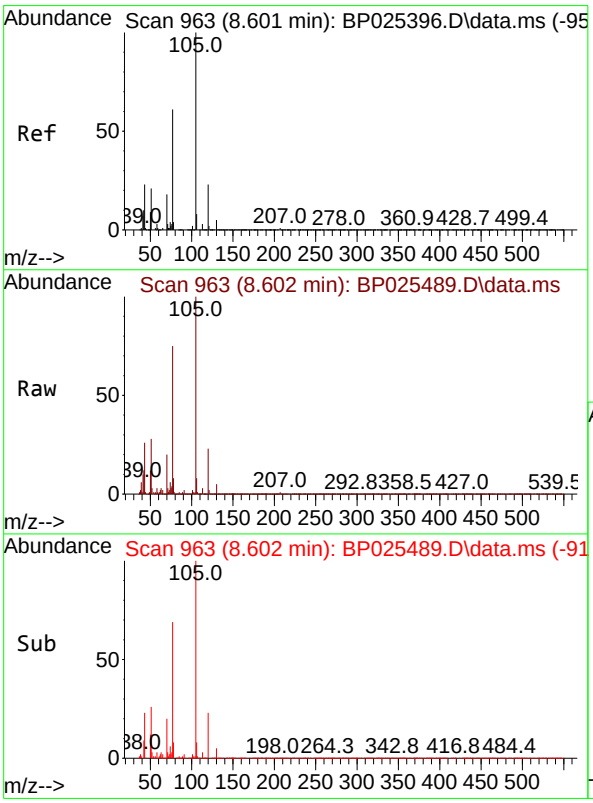
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:136 Resp: 505871

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.0	6.0	9.0
68	5.6	4.3	6.5

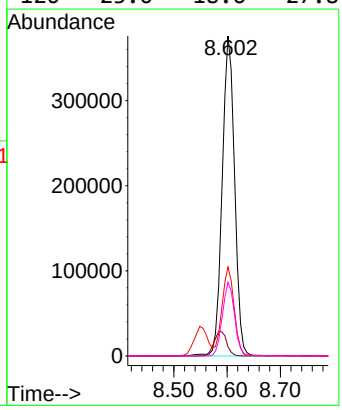


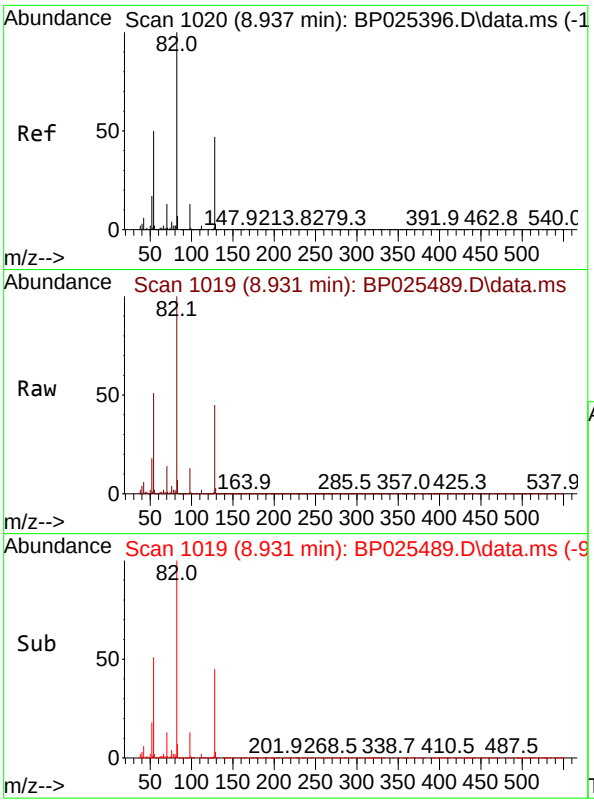


#22
Acetophenone
Concen: 47.846 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:105 Resp: 606991

Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.6	4.0
51	27.8	20.6	30.8
120	23.0	18.6	27.8



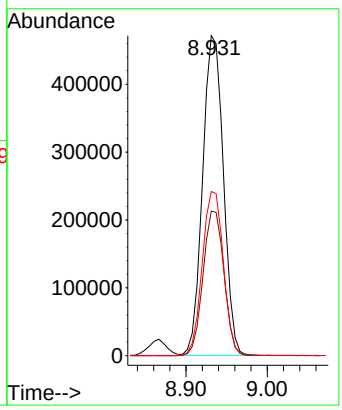


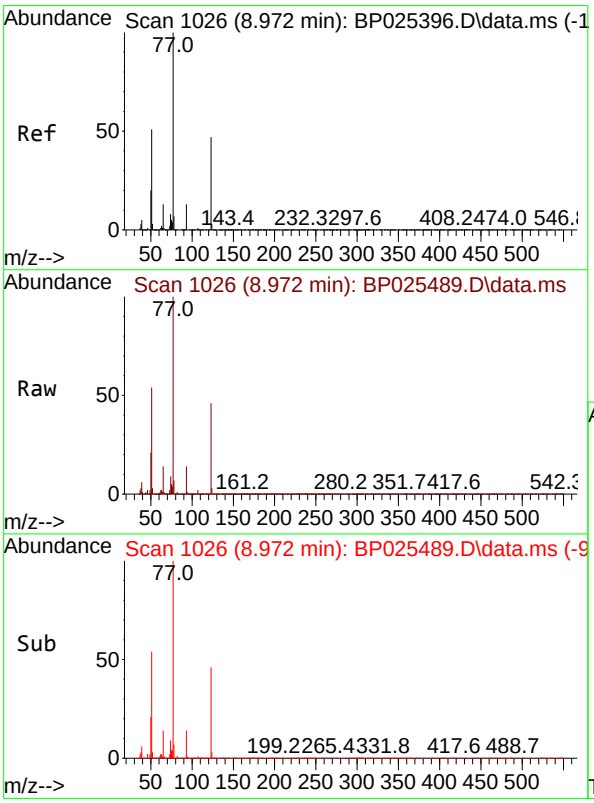
#23
Nitrobenzene-d5
Concen: 83.831 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 82 Resp: 838338

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.7	56.5
54	51.3	39.8	59.6

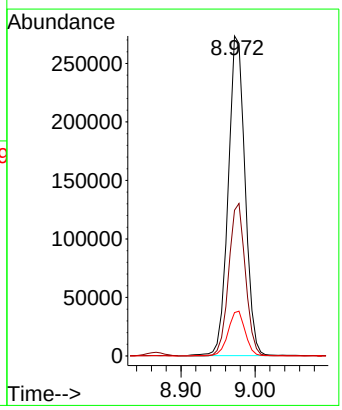


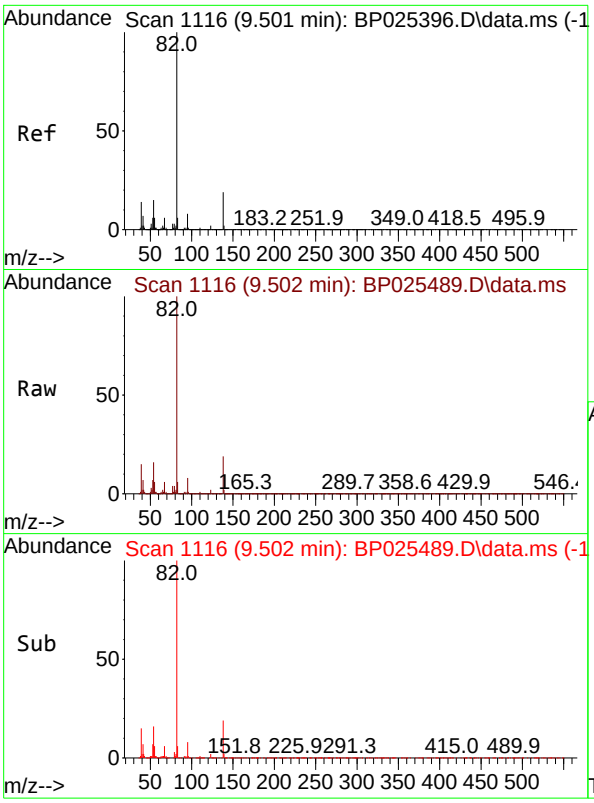


#24
Nitrobenzene
Concen: 48.138 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 77 Resp: 430234

Ion	Ratio	Lower	Upper
77	100		
123	45.6	38.6	58.0
65	13.6	10.6	15.8



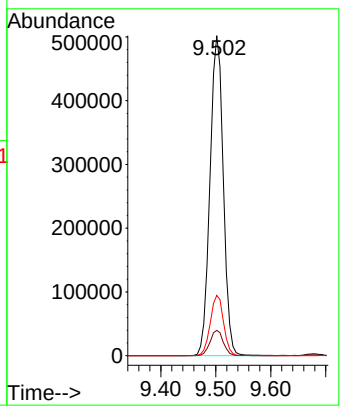


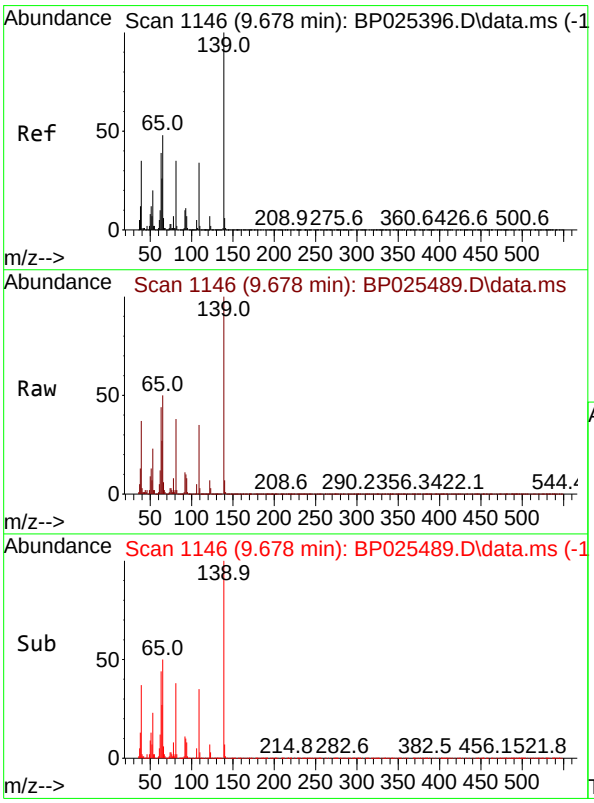
#25
Isophorone
Concen: 47.689 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 82 Resp: 843994

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.9	15.4	23.0

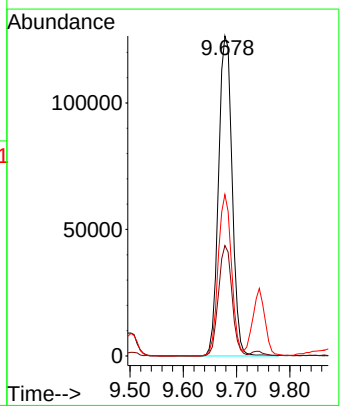


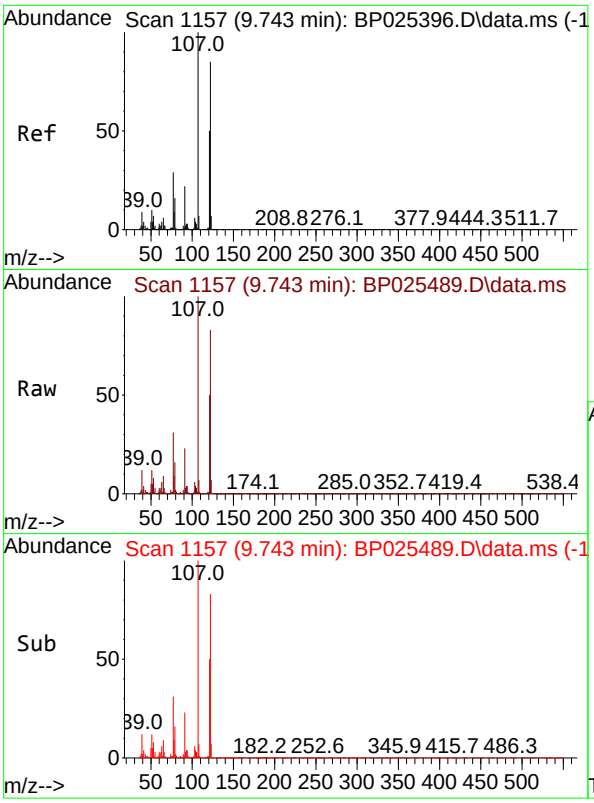


#26
2-Nitrophenol
Concen: 48.804 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:139 Resp: 223852

Ion	Ratio	Lower	Upper
139	100		
109	34.5	26.9	40.3
65	50.5	38.3	57.5



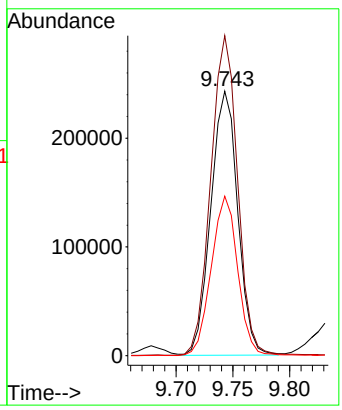


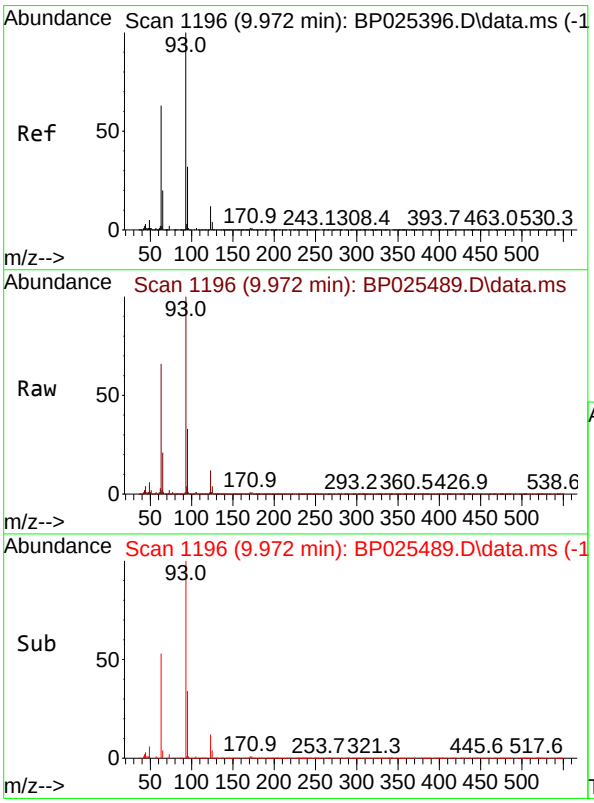
#27
2,4-Dimethylphenol
Concen: 50.831 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:122 Resp: 400946

Ion	Ratio	Lower	Upper
122	100		
107	121.0	93.7	140.5
121	60.3	46.6	69.8

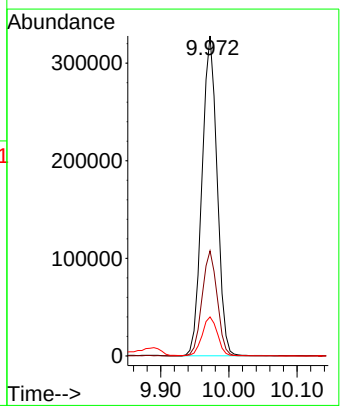


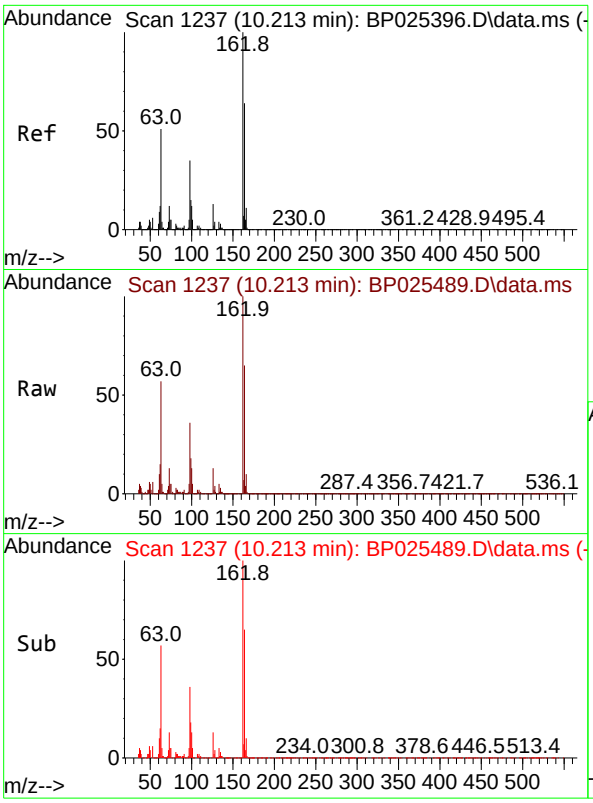


#28
bis(2-Chloroethoxy)methane
Concen: 47.229 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 93 Resp: 505254

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.0
123	12.2	9.4	14.0



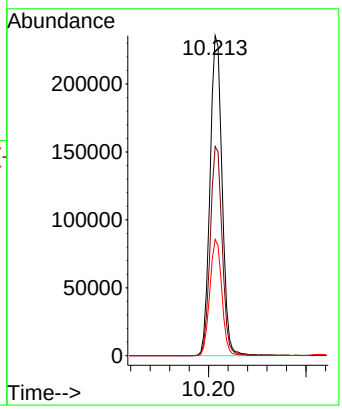


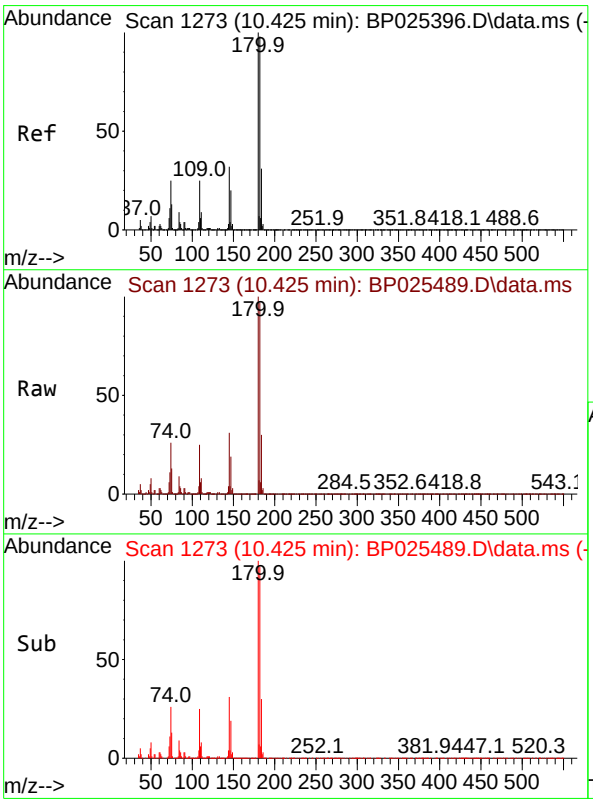
#29
2,4-Dichlorophenol
Concen: 51.589 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:162 Resp: 404232

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.4	84.4
98	36.3	14.9	54.9

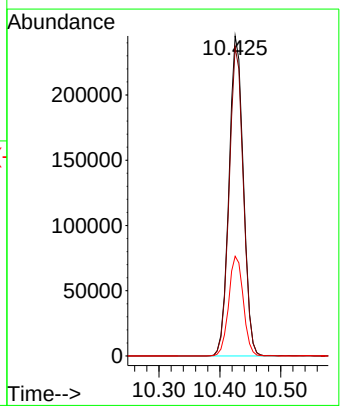


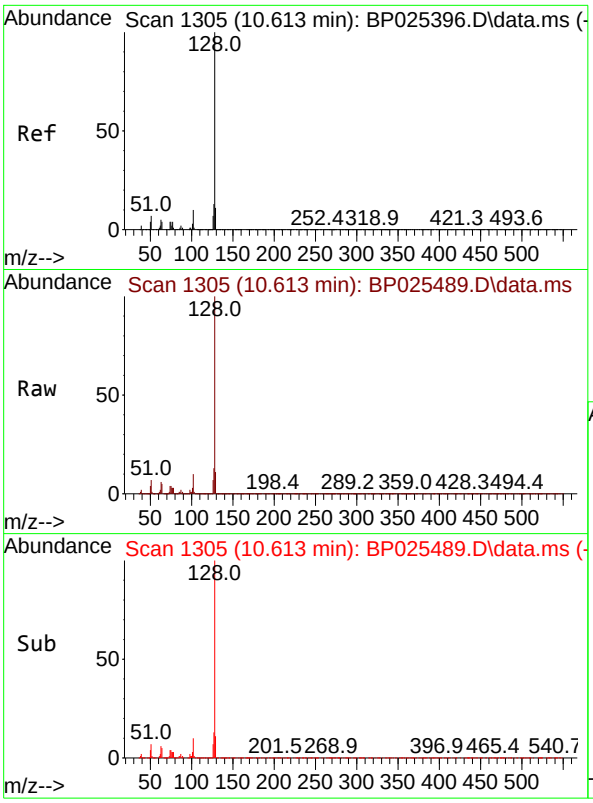


#30
1,2,4-Trichlorobenzene
Concen: 46.732 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:180 Resp: 401415

Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.0	117.0
145	31.1	25.9	38.9



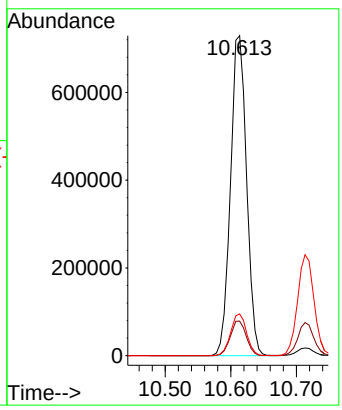


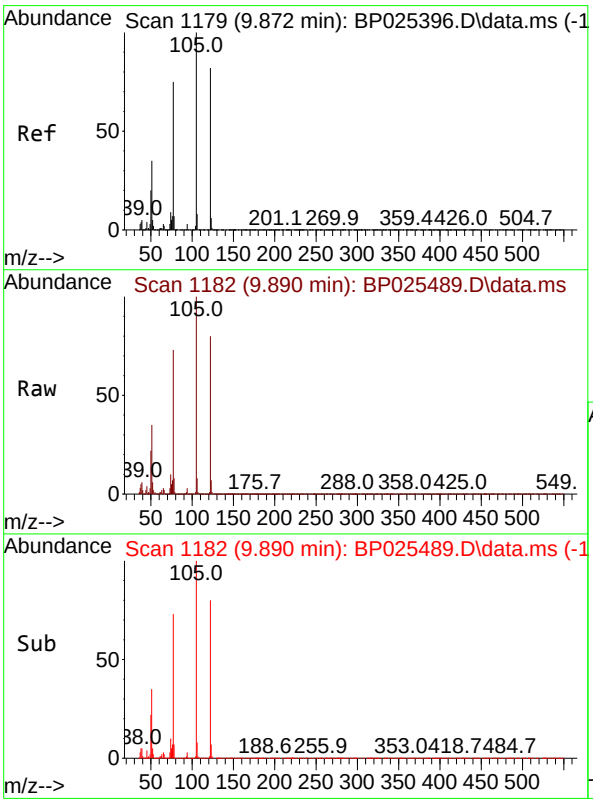
#31
Naphthalene
Concen: 47.331 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:128 Resp: 1244457

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.7	16.1

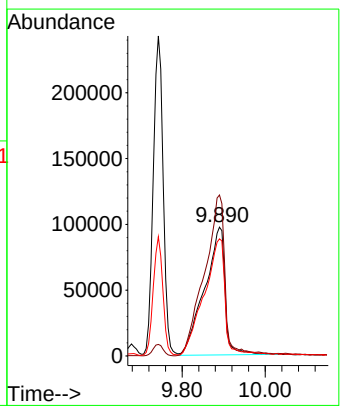


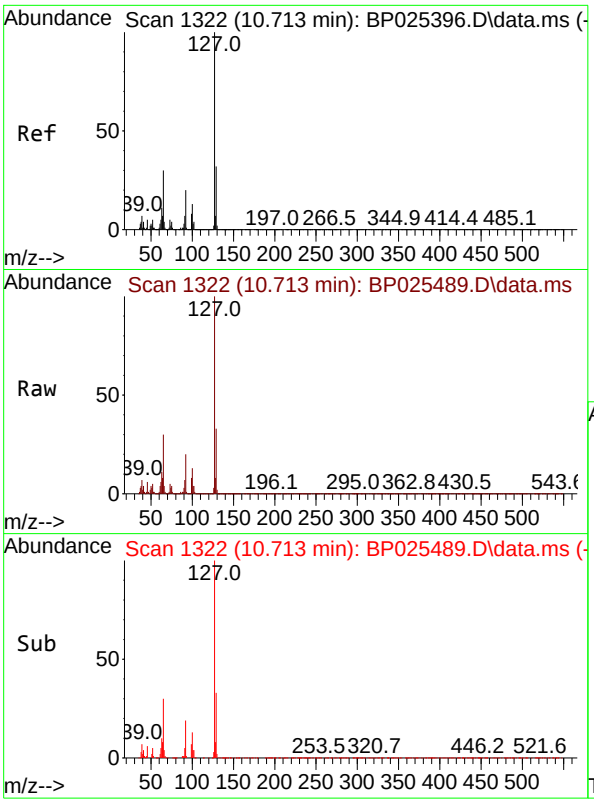


#32
Benzoic acid
Concen: 56.986 ng
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:122 Resp: 331854

Ion	Ratio	Lower	Upper
122	100		
105	124.9	100.6	140.6
77	90.9	71.5	111.5



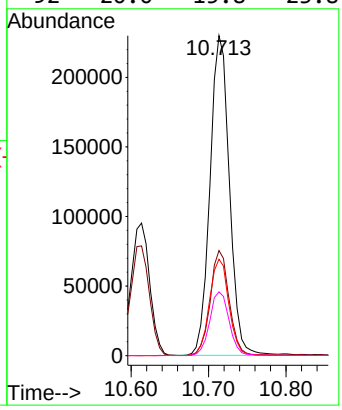


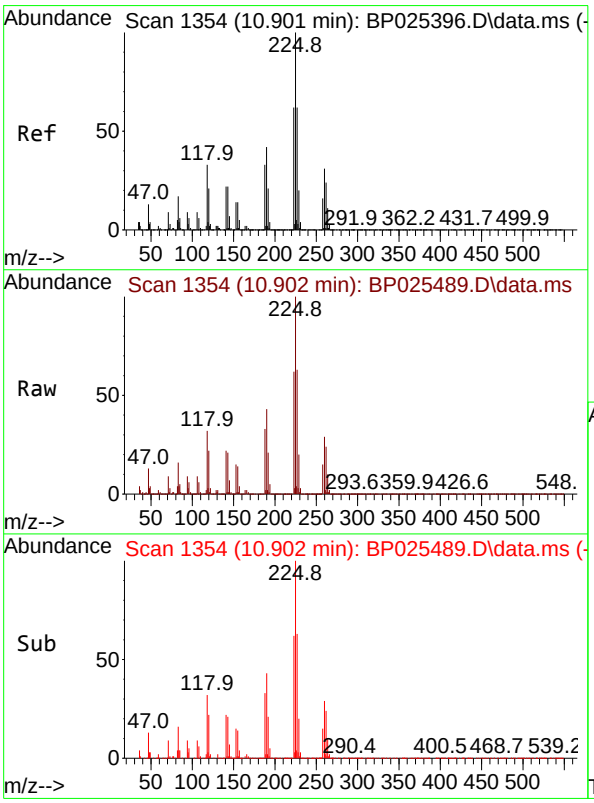
#33
4-Chloroaniline
Concen: 34.569 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:127 Resp: 401484

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.4	38.2
65	30.2	23.8	35.6
92	20.0	15.8	23.8

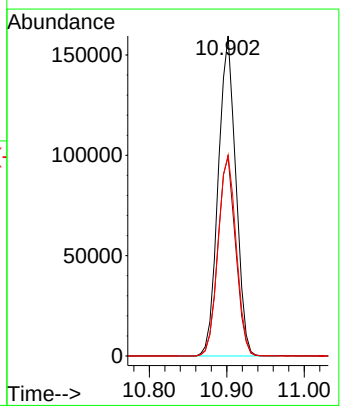


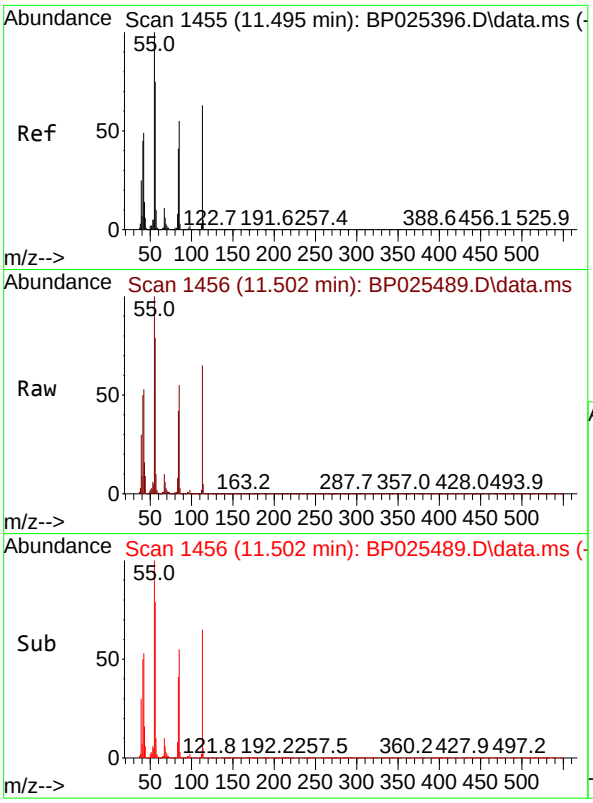


#34
Hexachlorobutadiene
Concen: 46.960 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:225 Resp: 251210

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.0	75.0
227	62.8	49.7	74.5



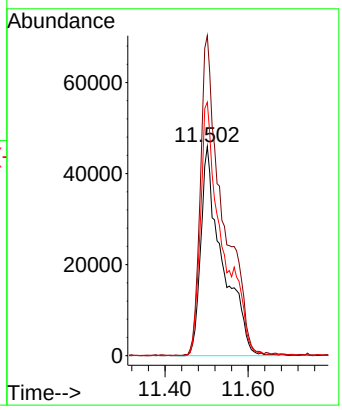


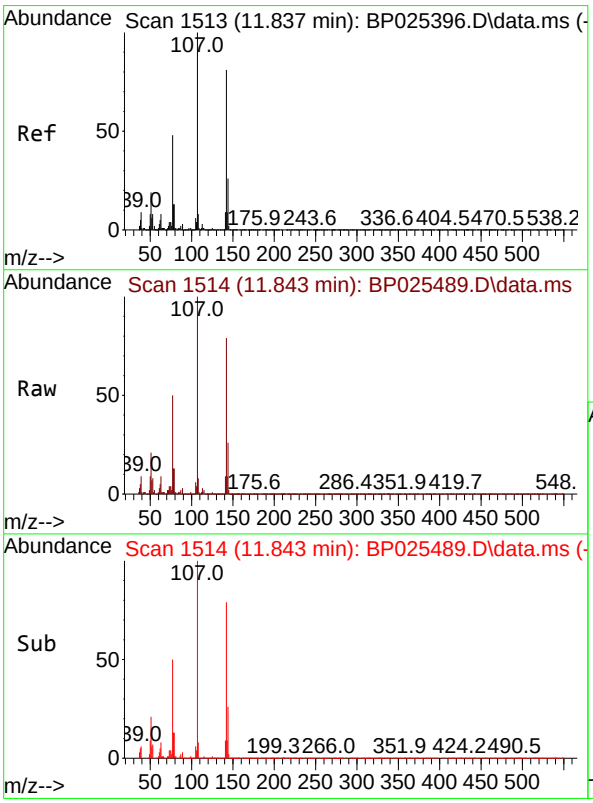
#35
Caprolactam
Concen: 57.557 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:113 Resp: 165373

Ion	Ratio	Lower	Upper
113	100		
55	153.1	140.0	180.0
56	121.2	100.0	140.0

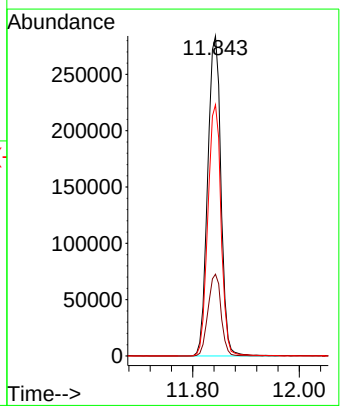


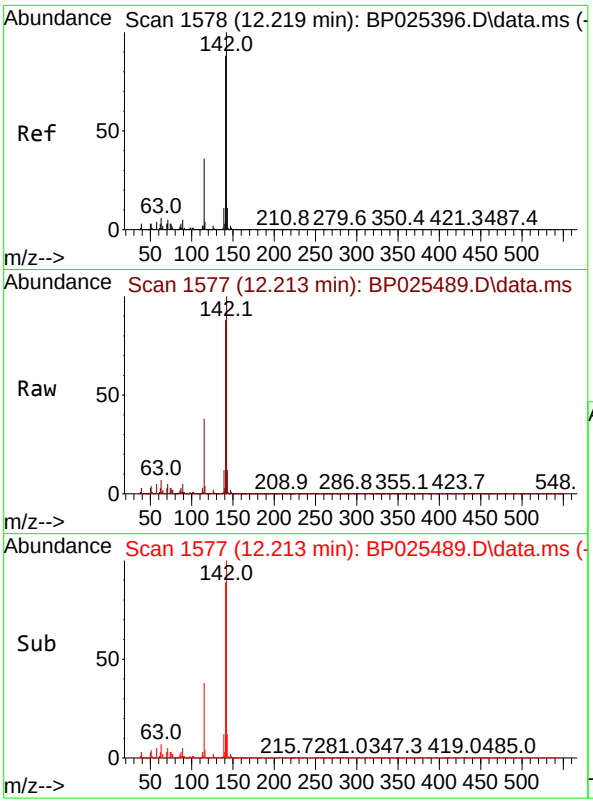


#36
4-Chloro-3-methylphenol
Concen: 54.429 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:107 Resp: 489388

Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.0	31.4
142	78.5	64.6	97.0



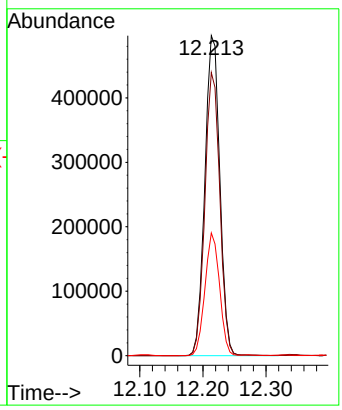


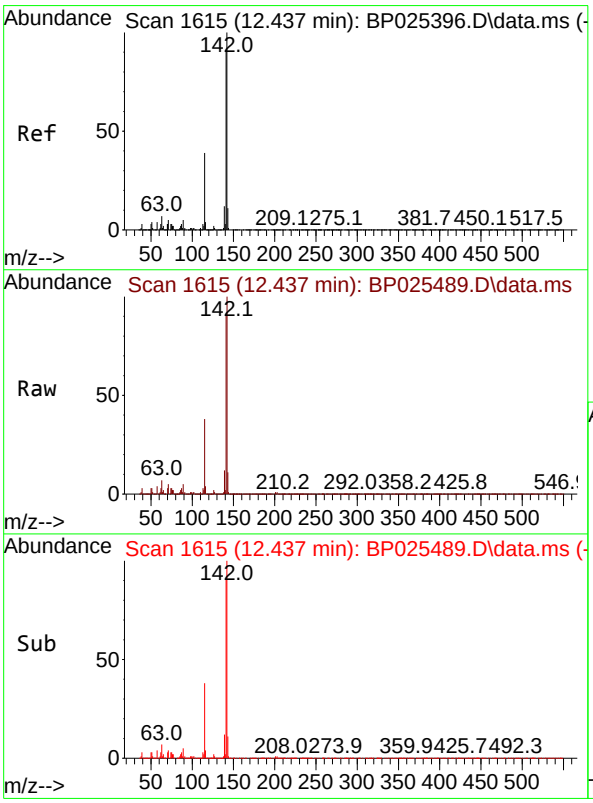
#37
2-Methylnaphthalene
Concen: 47.734 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:142 Resp: 816767

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	38.4	28.9	43.3

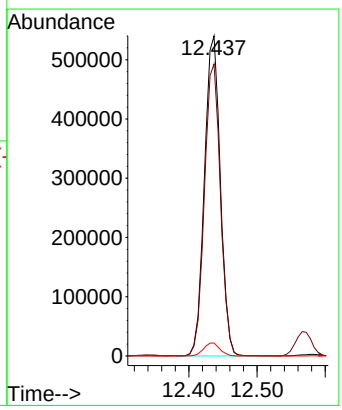


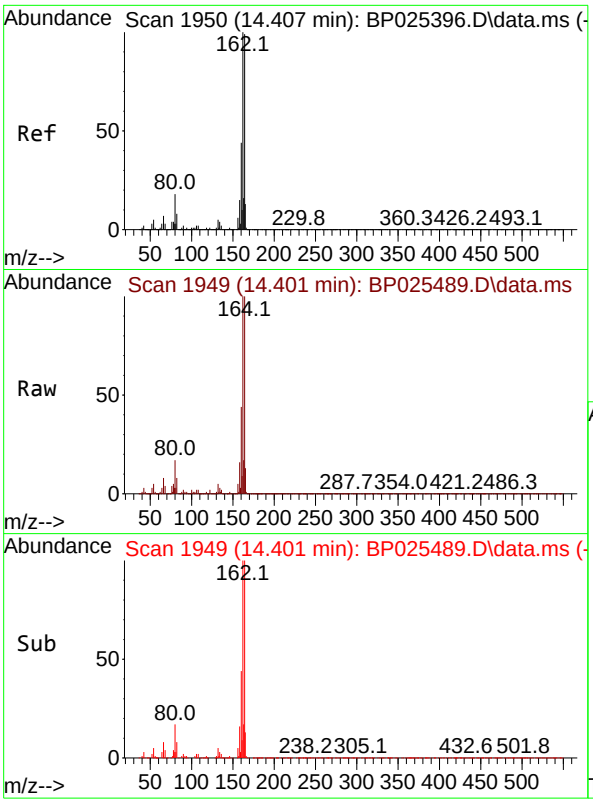


#38
1-Methylnaphthalene
Concen: 48.086 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:142 Resp: 875005

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7
116	4.0	3.2	4.8



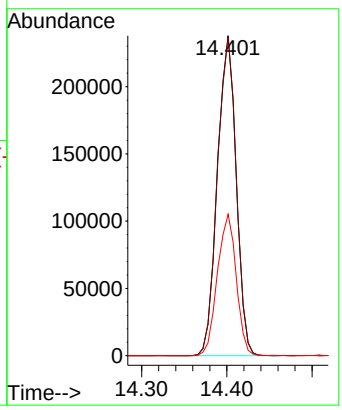


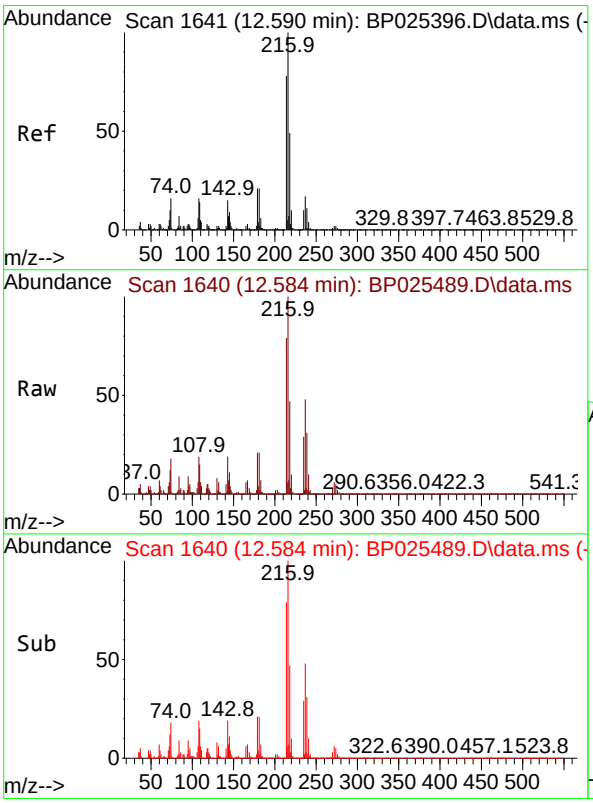
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:164 Resp: 363724

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.0	121.6
160	44.2	35.4	53.2

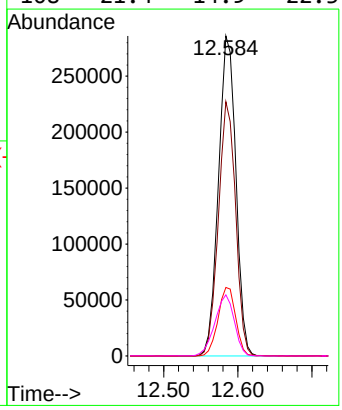


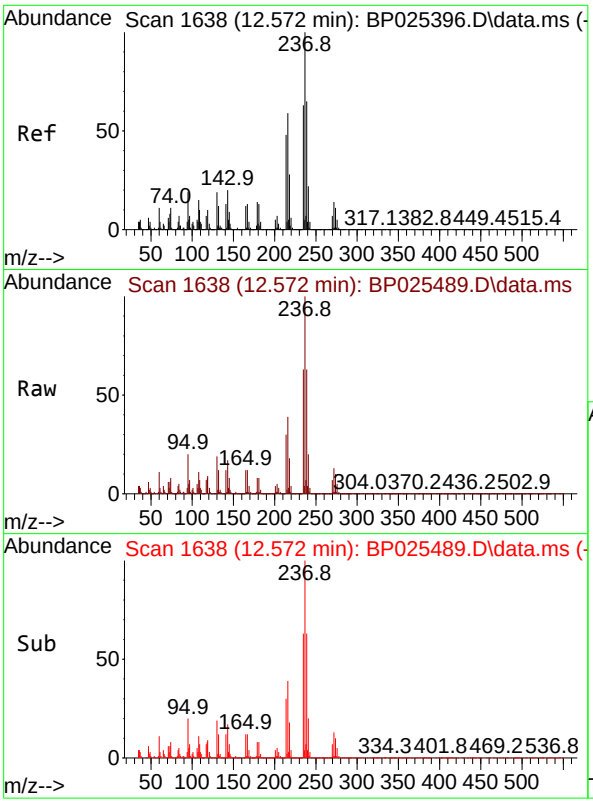


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.429 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:216 Resp: 466718

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.7	17.1	25.7
108	21.4	14.9	22.3



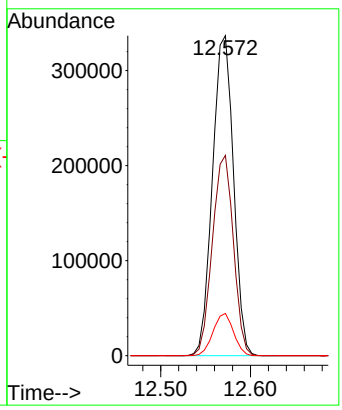


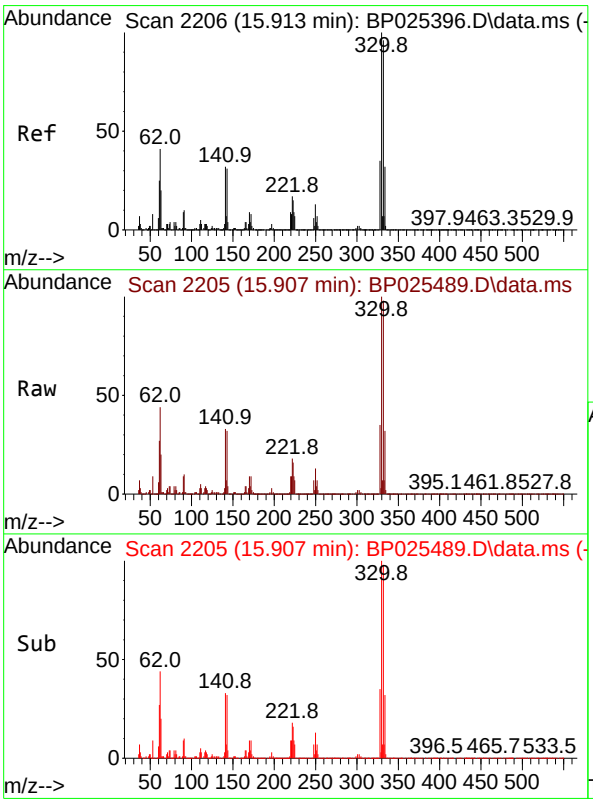
#41
Hexachlorocyclopentadiene
Concen: 86.335 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:237 Resp: 547819

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.7	82.7
272	13.2	0.0	34.0

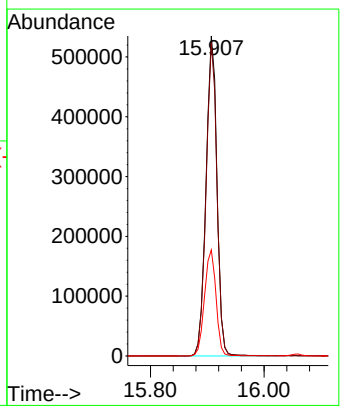


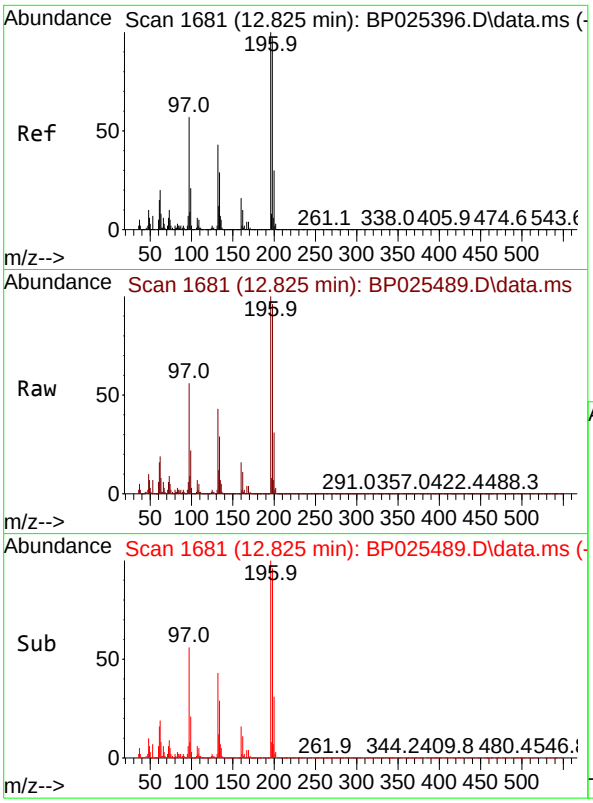


#42
2,4,6-Tribromophenol
Concen: 145.325 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:330 Resp: 711475

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	34.8	26.6	39.8



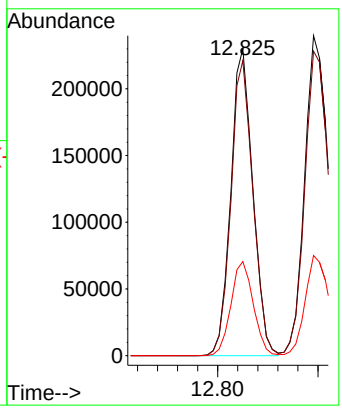


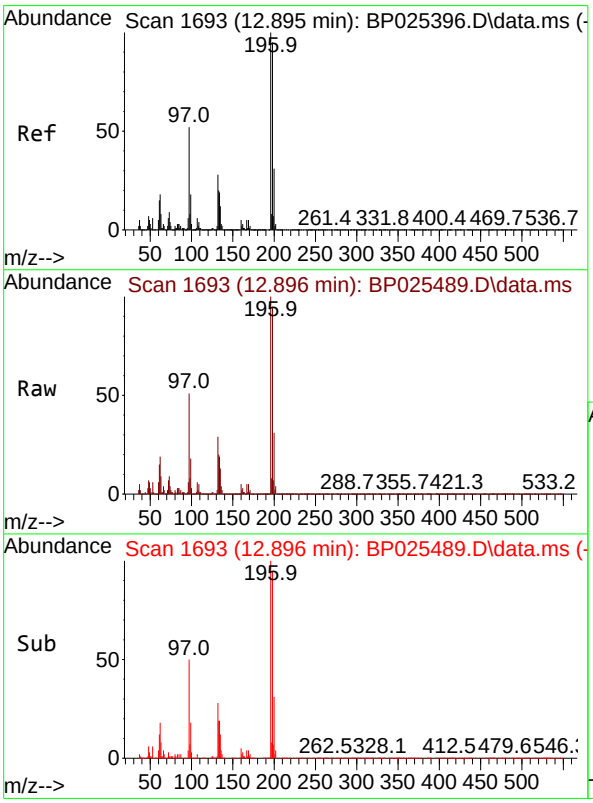
#43
2,4,6-Trichlorophenol
Concen: 49.497 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:196 Resp: 351027

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.2	115.8
200	30.6	23.9	35.9

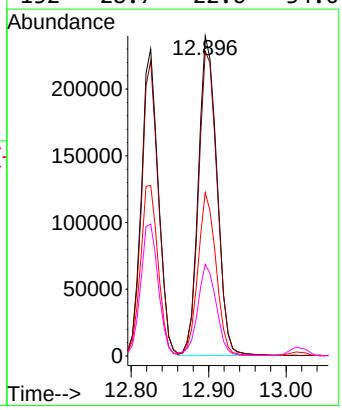


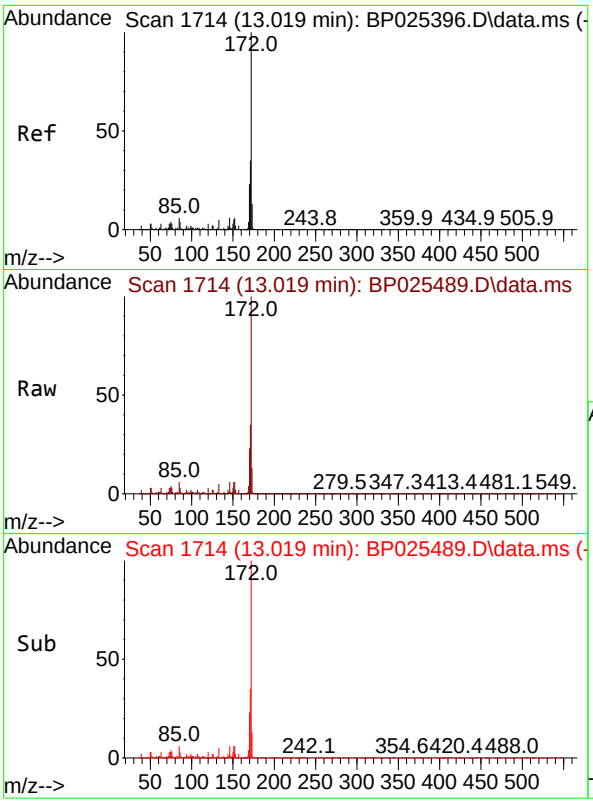


#44
2,4,5-Trichlorophenol
Concen: 51.255 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:196 Resp: 398379

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.2	114.2
97	51.1	41.2	61.8
132	28.7	22.6	34.0



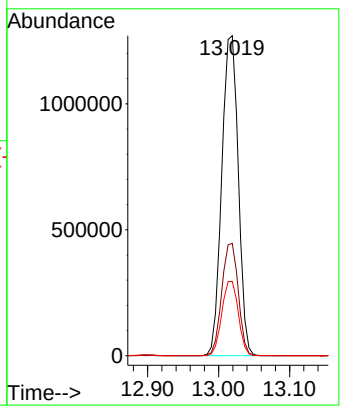


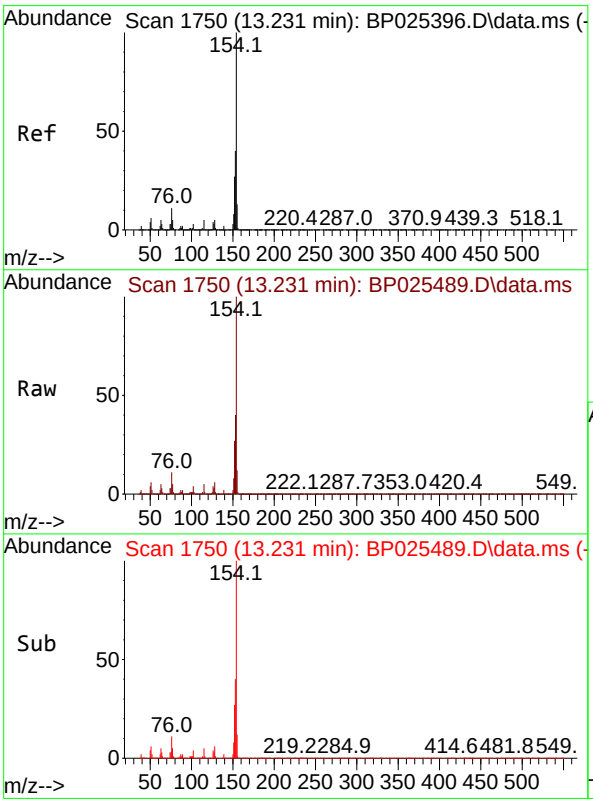
#45
2-Fluorobiphenyl
Concen: 76.836 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:172 Resp: 2044889

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.2	18.6	28.0

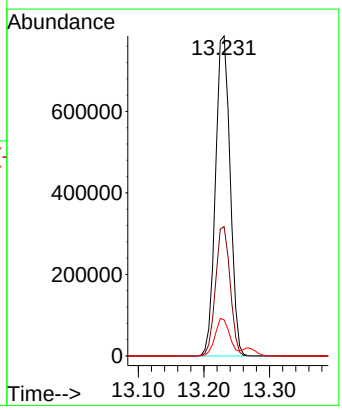


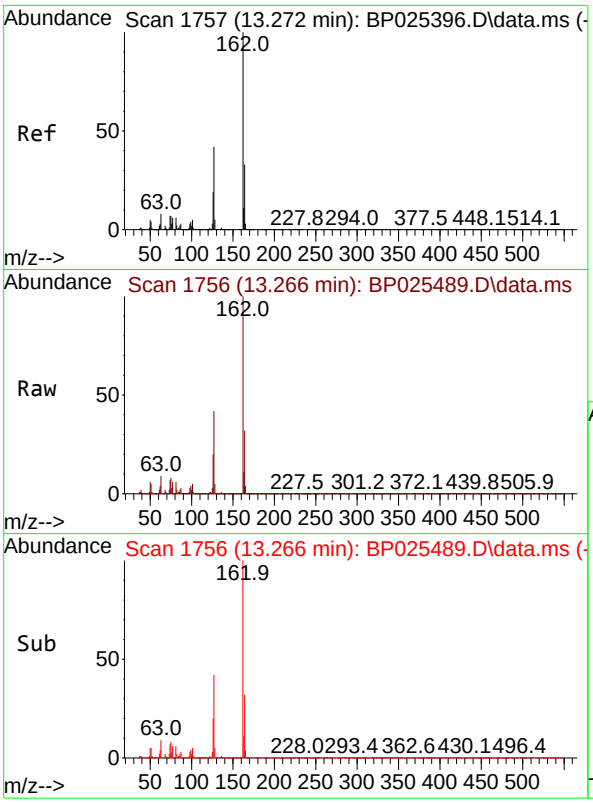


#46
1,1'-Biphenyl
Concen: 45.928 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:154 Resp: 1213211

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.5	59.5
76	11.3	0.0	31.1



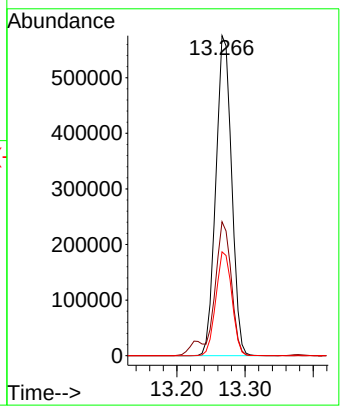


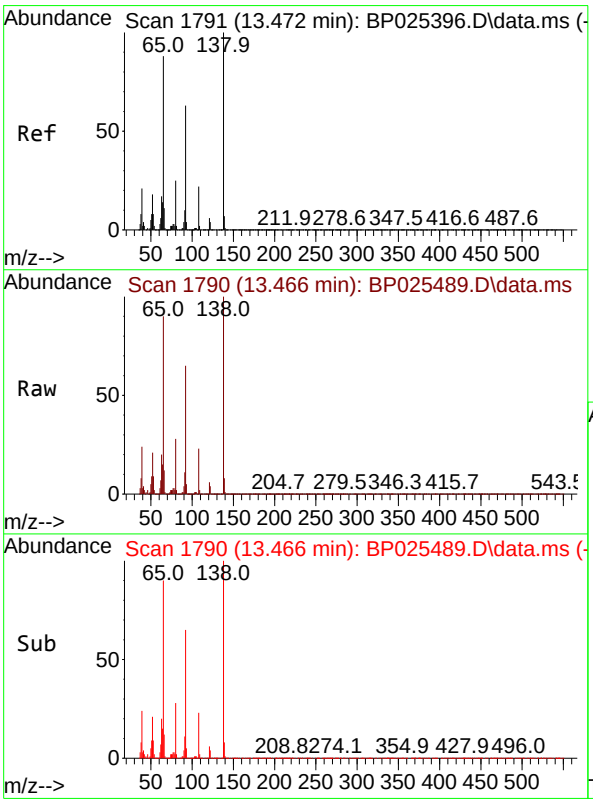
#47
2-Chloronaphthalene
Concen: 45.143 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:162 Resp: 928328

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.5	26.2	39.2

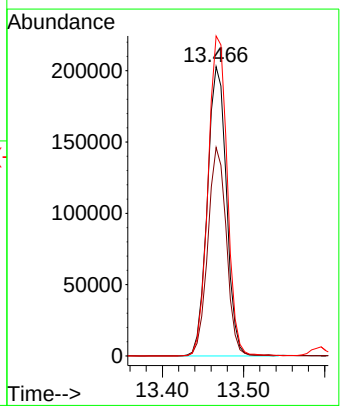


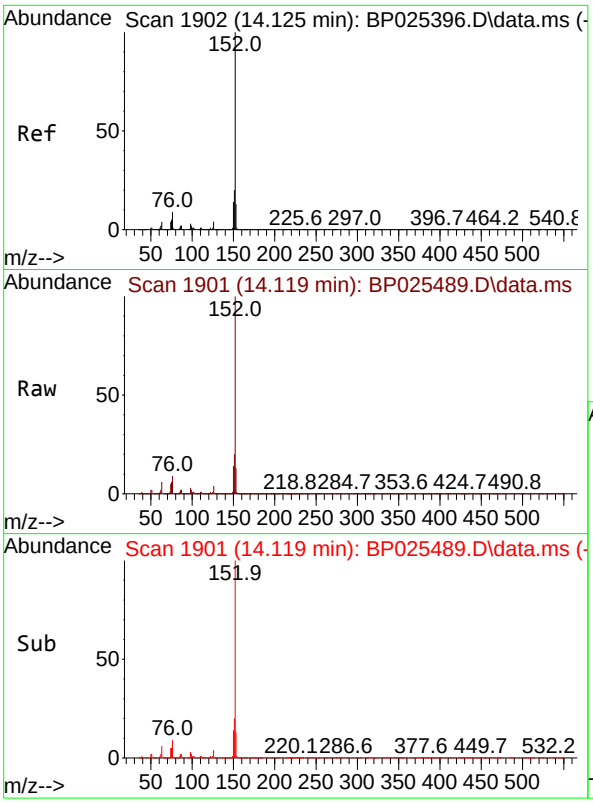


#48
2-Nitroaniline
Concen: 55.264 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion: 65 Resp: 331140

Ion	Ratio	Lower	Upper
65	100		
92	72.1	57.6	86.4
138	110.6	91.0	136.6



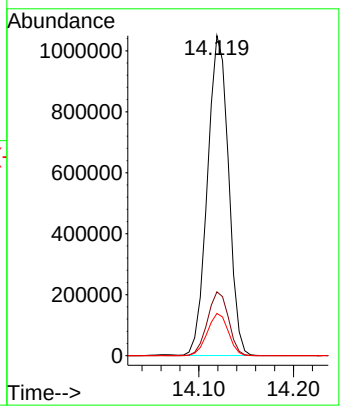


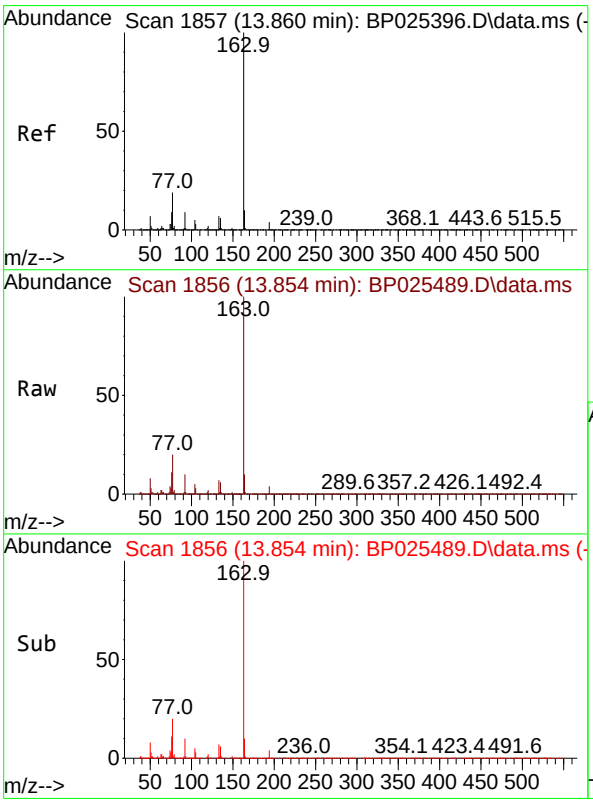
#49
Acenaphthylene
Concen: 47.578 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:152 Resp: 1618996

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.2	10.6	15.8

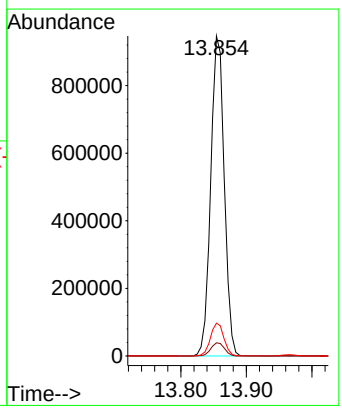


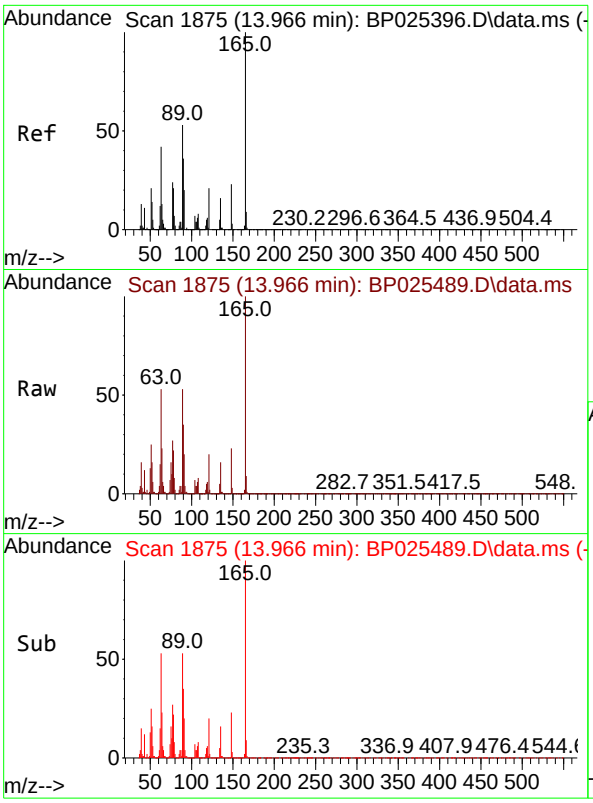


#50
Dimethylphthalate
Concen: 50.931 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:163 Resp: 1356557

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	7.9	11.9



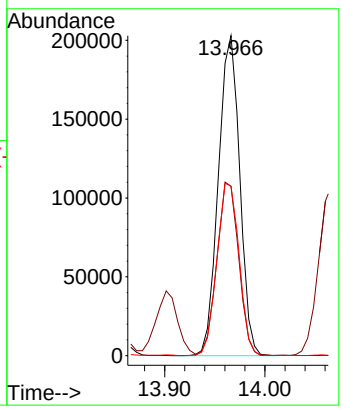


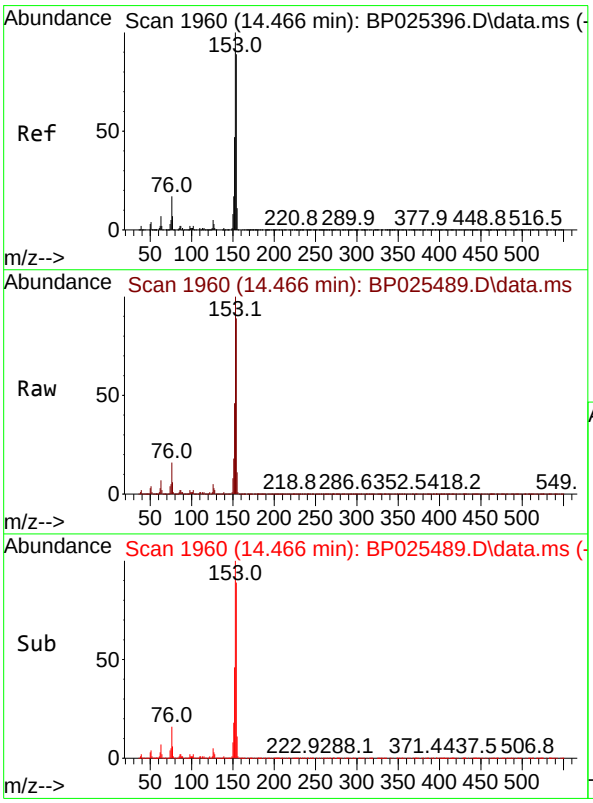
#51
2,6-Dinitrotoluene
Concen: 53.440 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:165 Resp: 300006

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.9	61.3
89	53.0	42.1	63.1

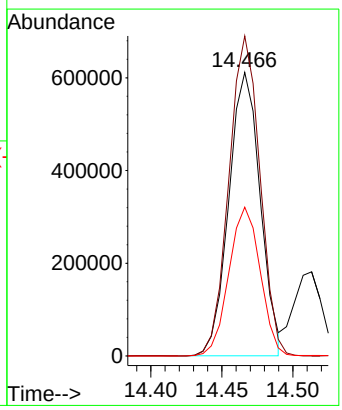


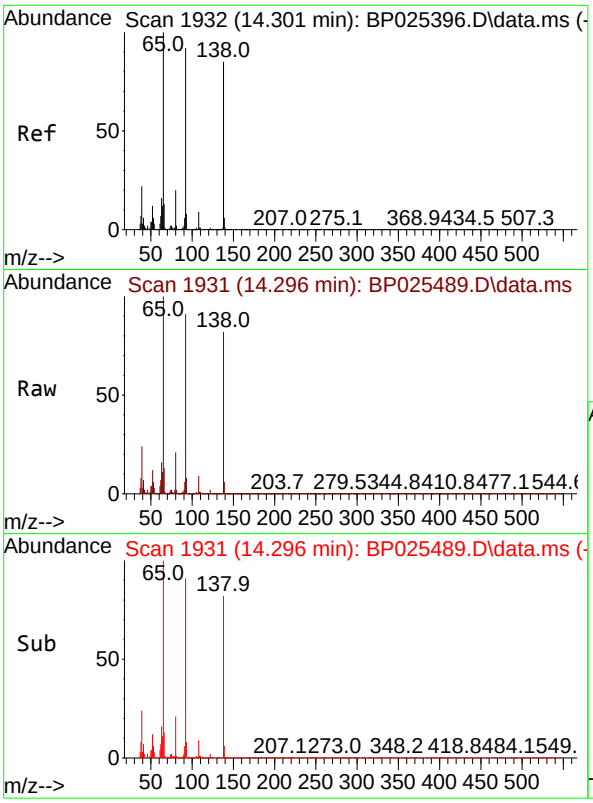


#52
Acenaphthene
Concen: 47.071 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:154 Resp: 940183

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.2	135.2
152	52.5	42.1	63.1



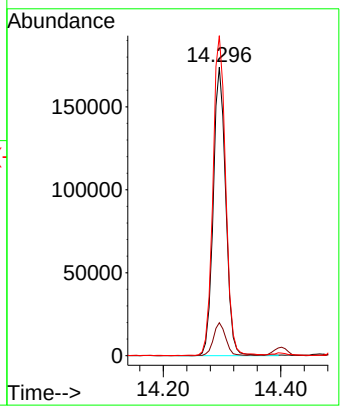


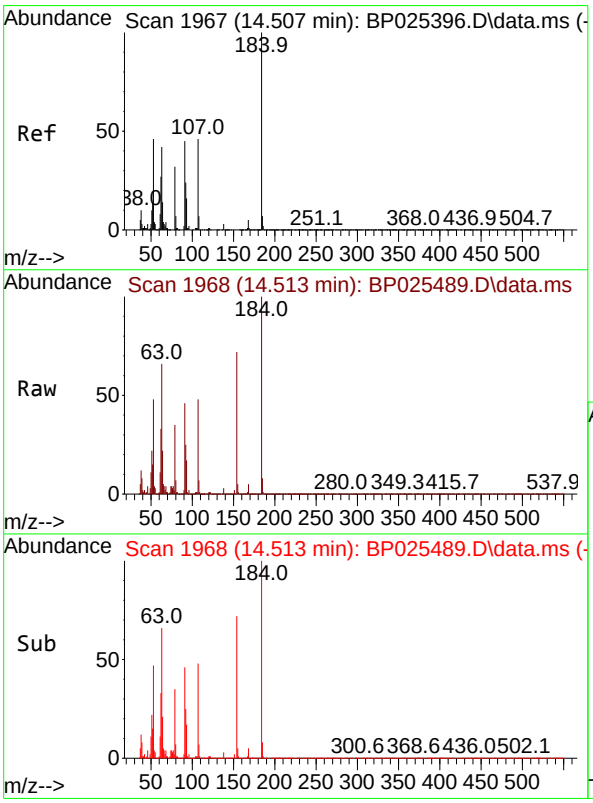
#53
3-Nitroaniline
Concen: 40.618 ng
RT: 14.296 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:138 Resp: 256549

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.3	12.5
92	110.9	86.2	129.2

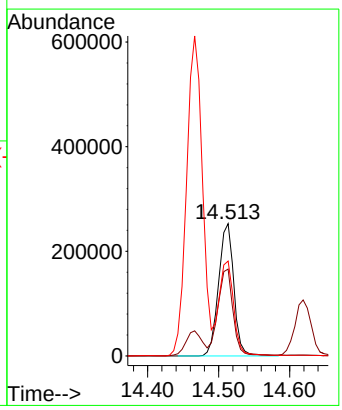


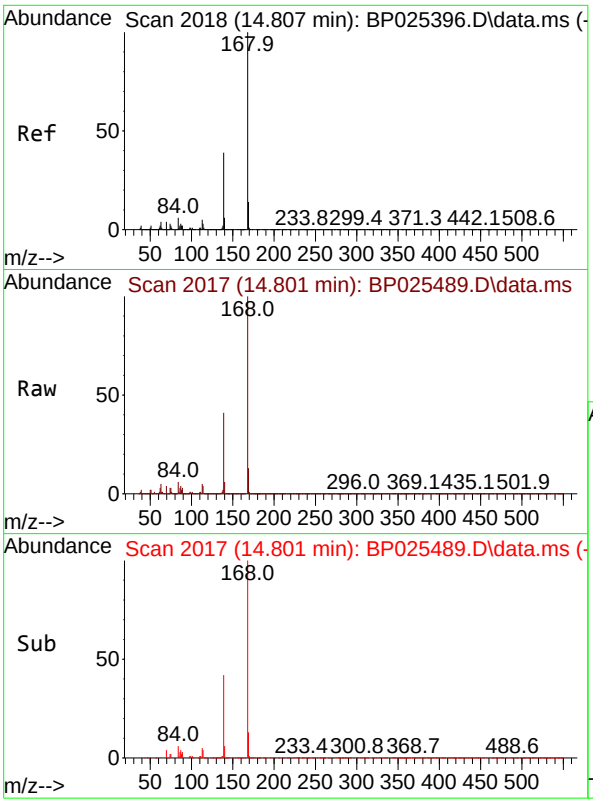


#54
2,4-Dinitrophenol
Concen: 125.571 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:184 Resp: 376459

Ion	Ratio	Lower	Upper
184	100		
63	65.7	49.4	74.2
154	71.8	54.6	82.0



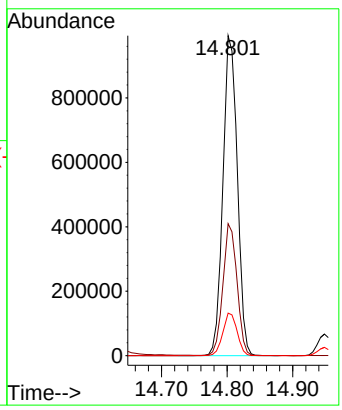


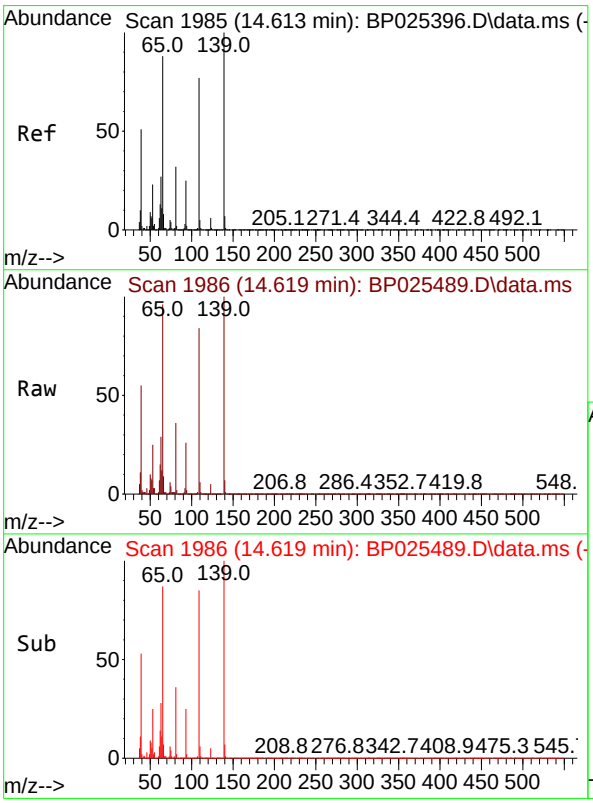
#55
Dibenzofuran
Concen: 47.694 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:168 Resp: 1506121

Ion	Ratio	Lower	Upper
168	100		
139	41.3	31.5	47.3
169	13.3	10.9	16.3

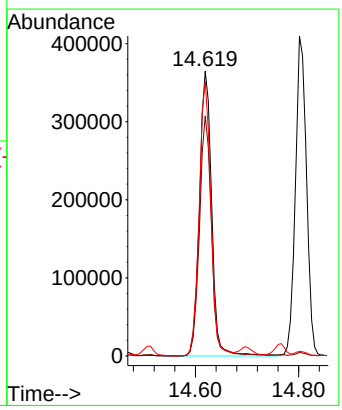


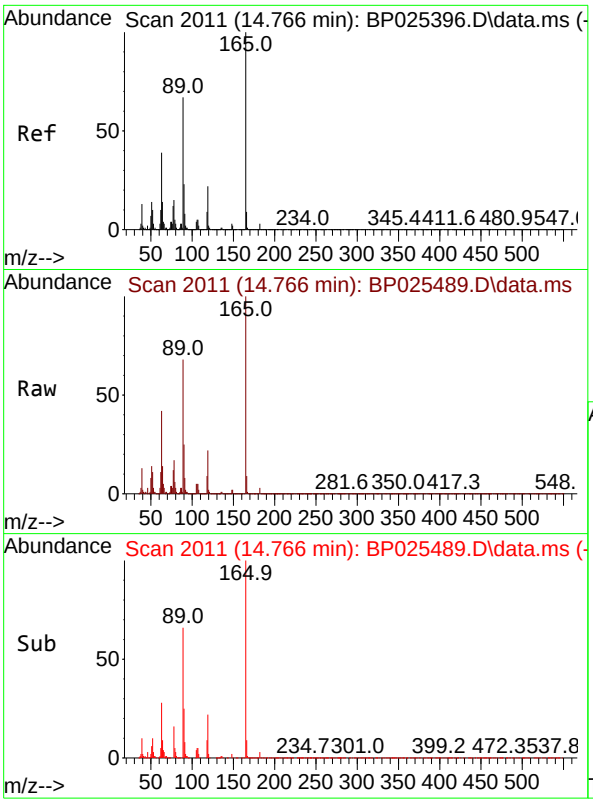


#56
4-Nitrophenol
Concen: 115.169 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:139 Resp: 597756

Ion	Ratio	Lower	Upper
139	100		
109	84.3	56.6	96.6
65	96.4	68.2	108.2



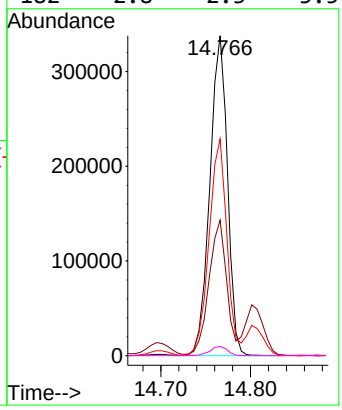


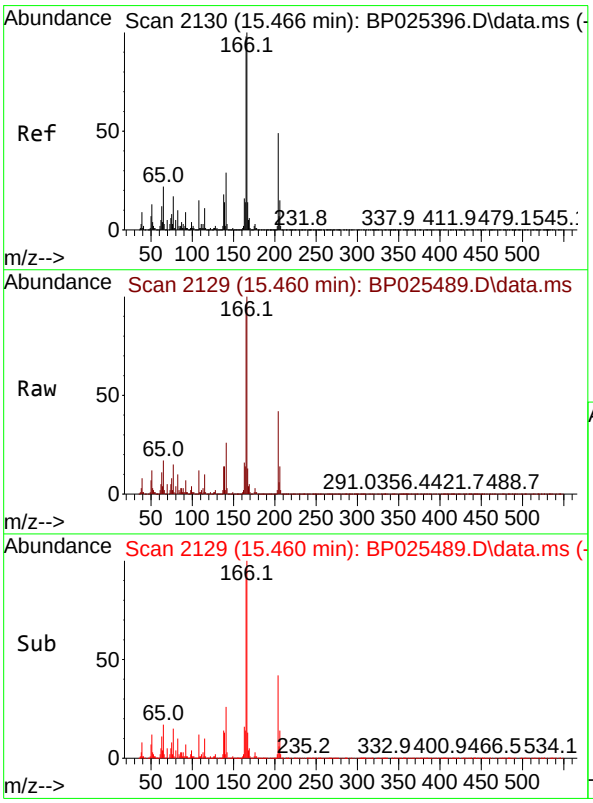
#57
2,4-Dinitrotoluene
Concen: 57.476 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:165 Resp: 460365

Ion	Ratio	Lower	Upper
165	100		
63	42.4	31.4	47.2
89	67.8	53.3	79.9
182	2.8	2.3	3.5

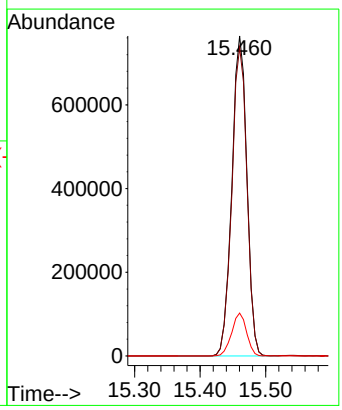


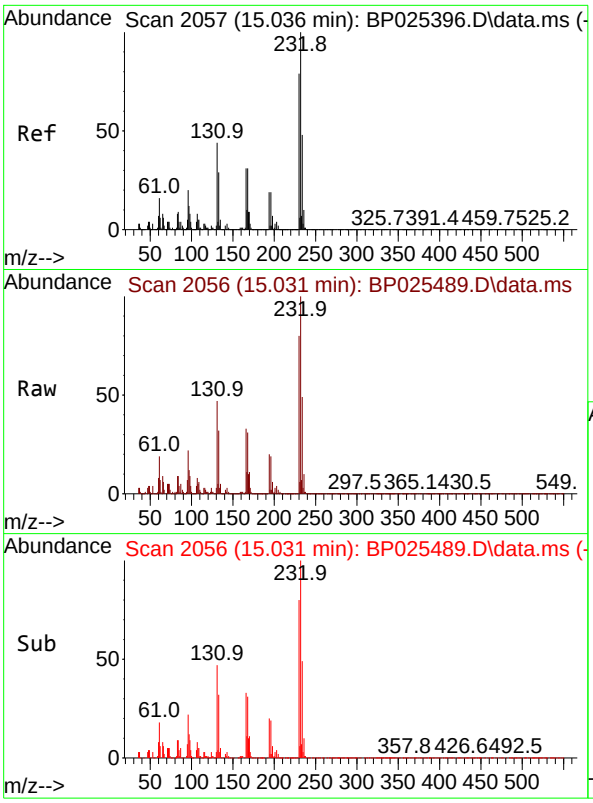


#58
Fluorene
Concen: 48.945 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:166 Resp: 1219615

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	13.4	11.0	16.4



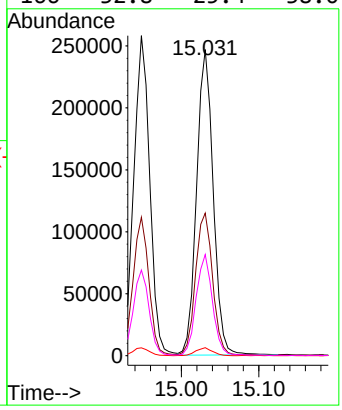


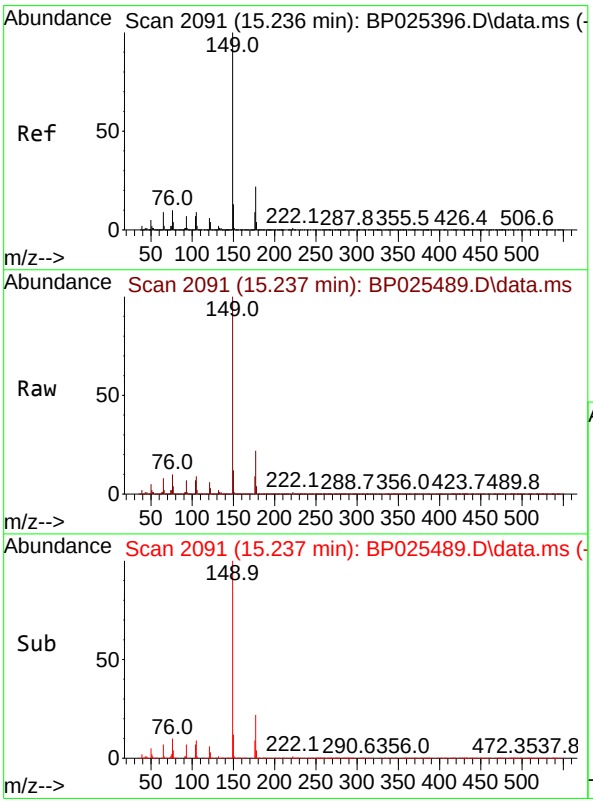
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.468 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:232 Resp: 366949

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.8	25.4	38.0

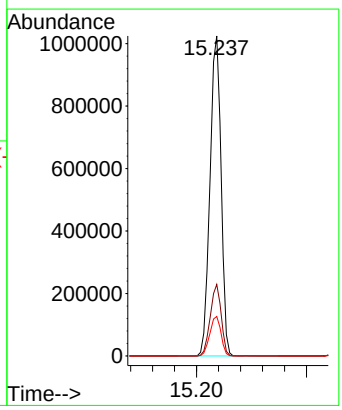


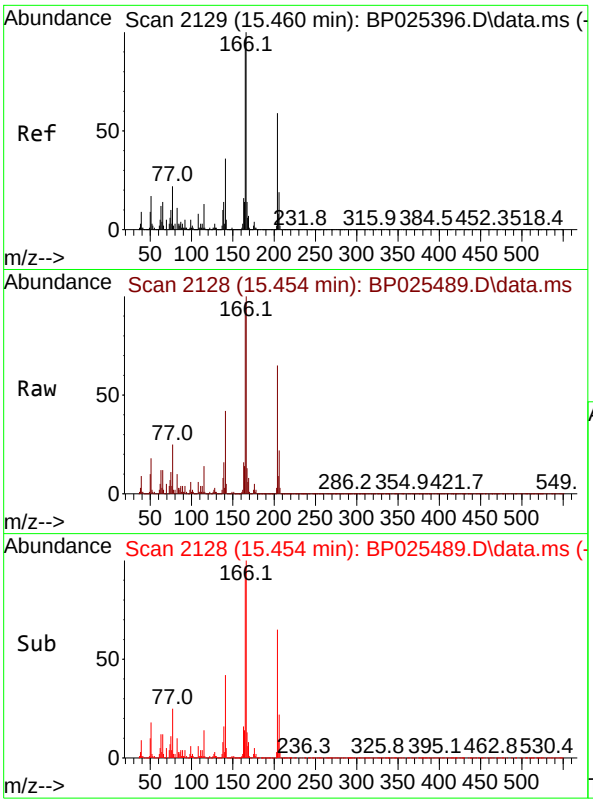


#60
Diethylphthalate
Concen: 52.907 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:149 Resp: 1431889

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.3	25.9
150	12.3	10.3	15.5



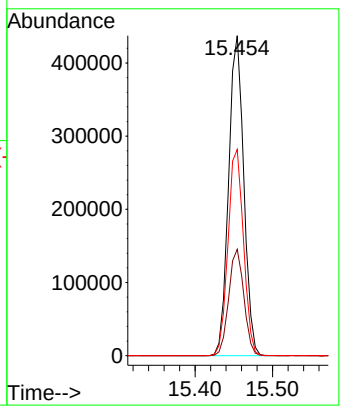


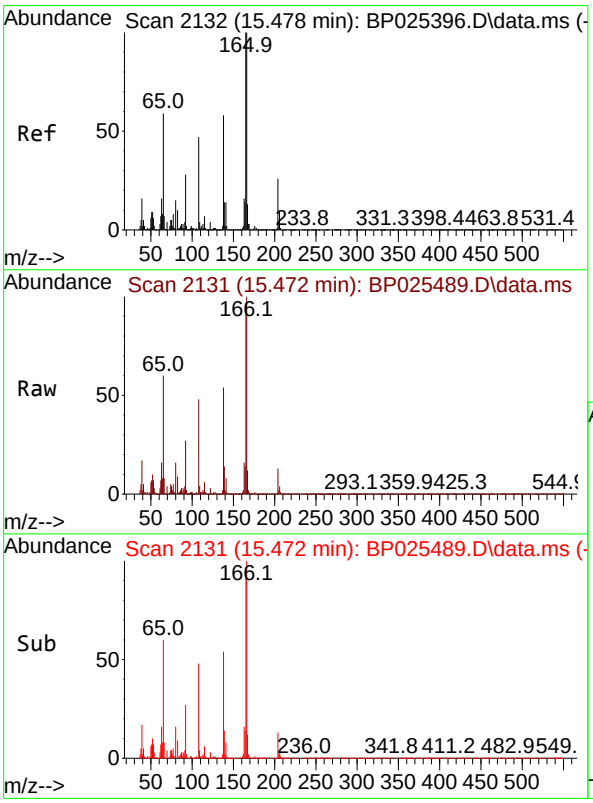
#61
4-Chlorophenyl-phenylether
Concen: 48.058 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:204 Resp: 595570

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	64.5	49.4	74.2

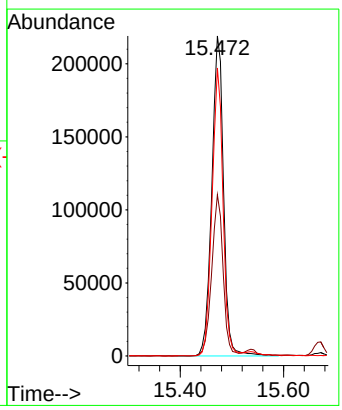


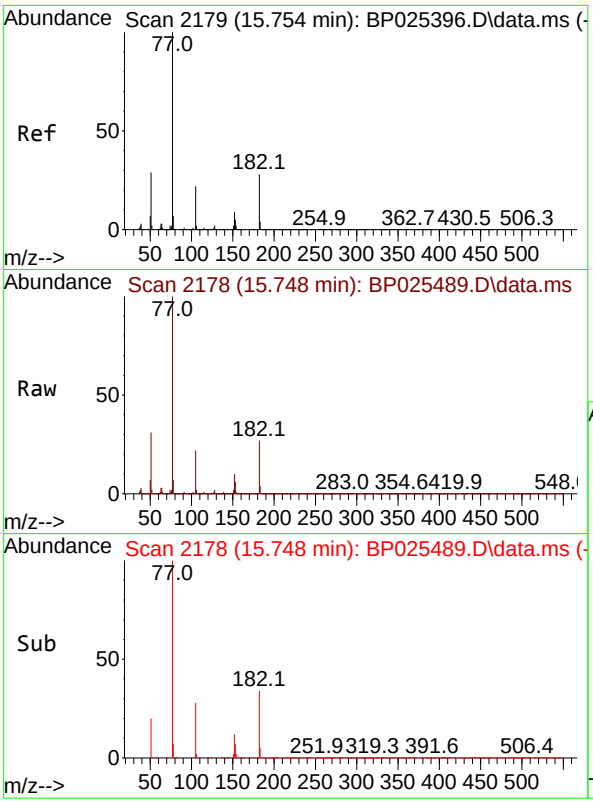


#62
4-Nitroaniline
Concen: 53.400 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:138 Resp: 345776

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.1	69.1
108	90.0	61.5	101.5



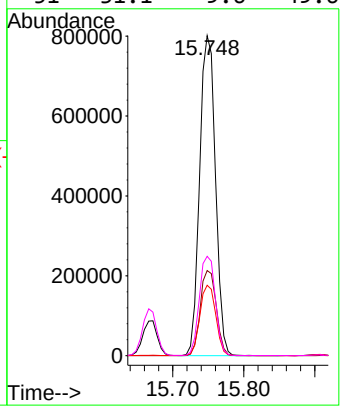


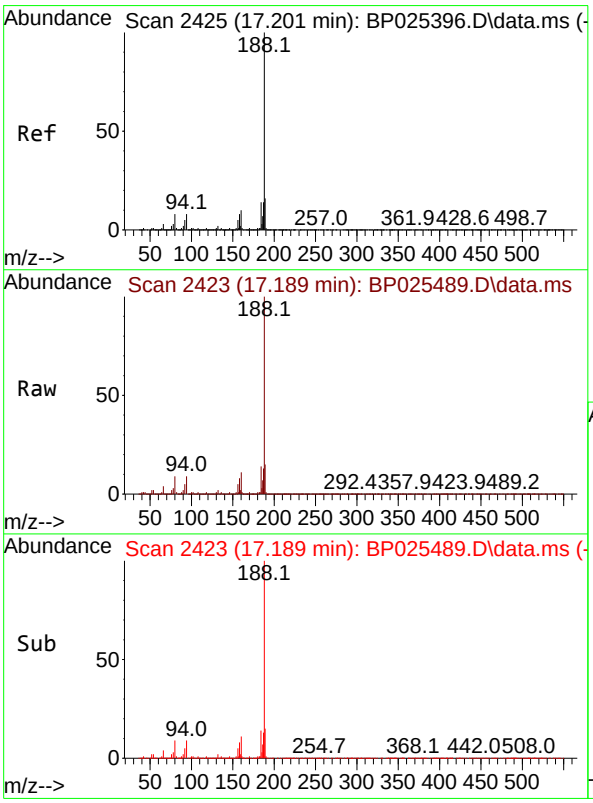
#63
Azobenzene
Concen: 53.570 ng
RT: 15.748 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion: 77 Resp: 1241428

Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.5	47.5
105	22.0	2.1	42.1
51	31.1	9.6	49.6

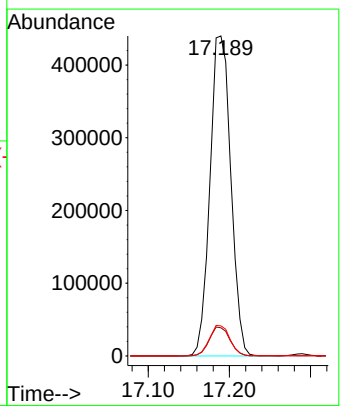


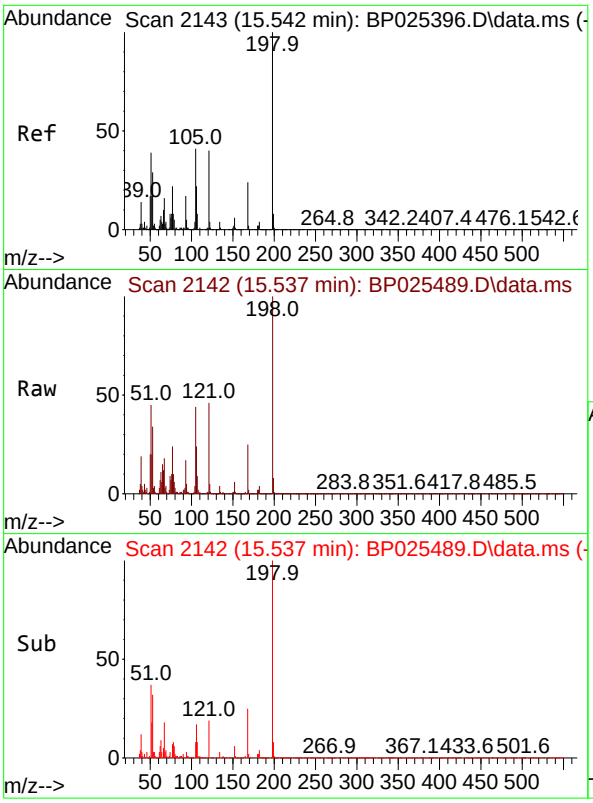


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:188 Resp: 785967

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.4	6.7	10.1



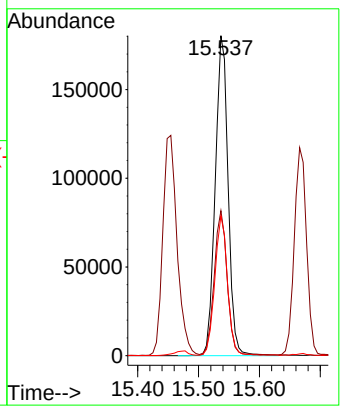


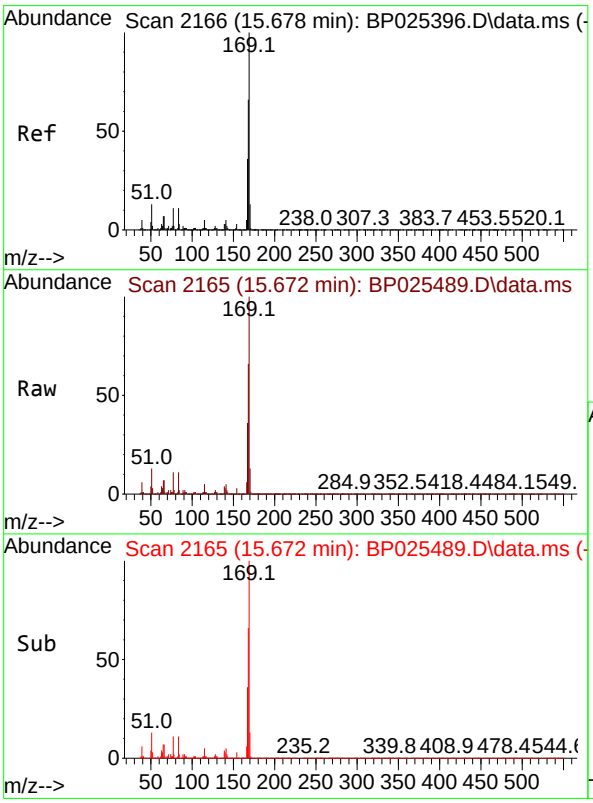
#65
4,6-Dinitro-2-methylphenol
Concen: 53.851 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:198 Resp: 263835

Ion	Ratio	Lower	Upper
198	100		
51	45.3	19.6	59.6
105	43.7	20.9	60.9

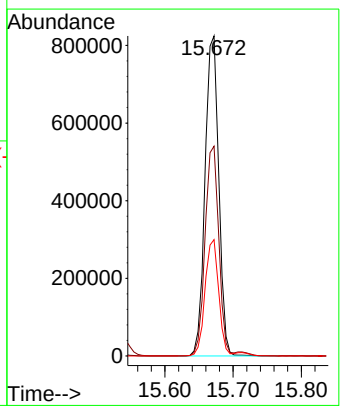


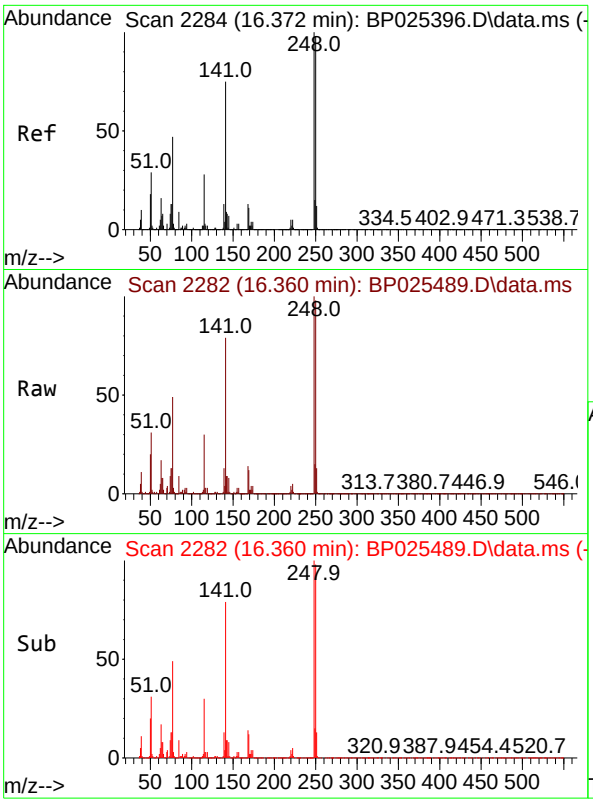


#66
n-Nitrosodiphenylamine
Concen: 48.120 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:169 Resp: 1153302

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	36.3	28.7	43.1



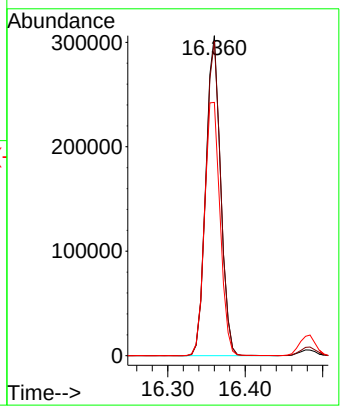


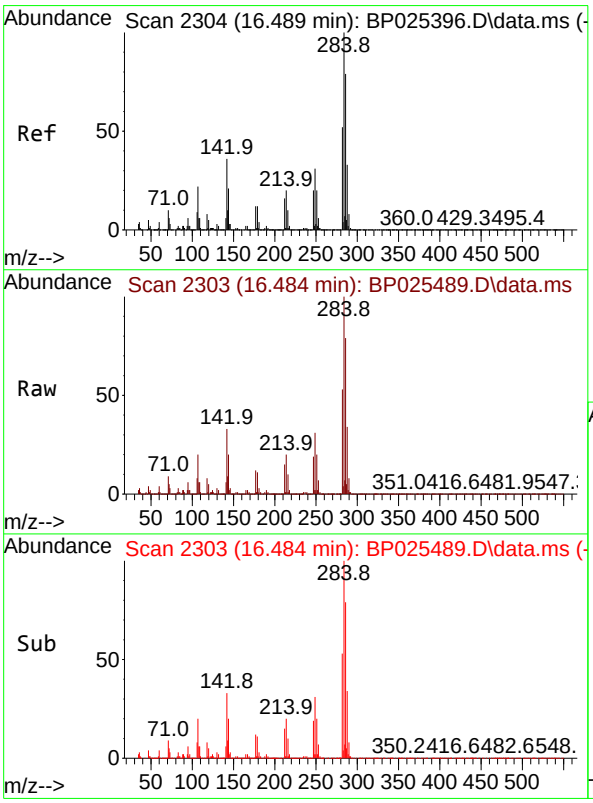
#67
4-Bromophenyl-phenylether
Concen: 46.815 ng
RT: 16.360 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:248 Resp: 404681

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	79.2	59.6	89.4

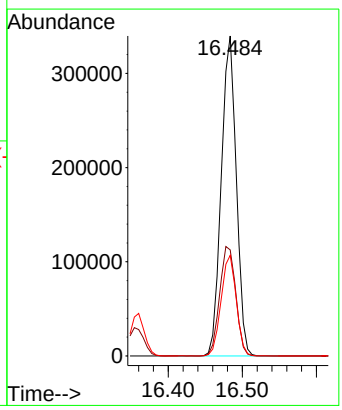


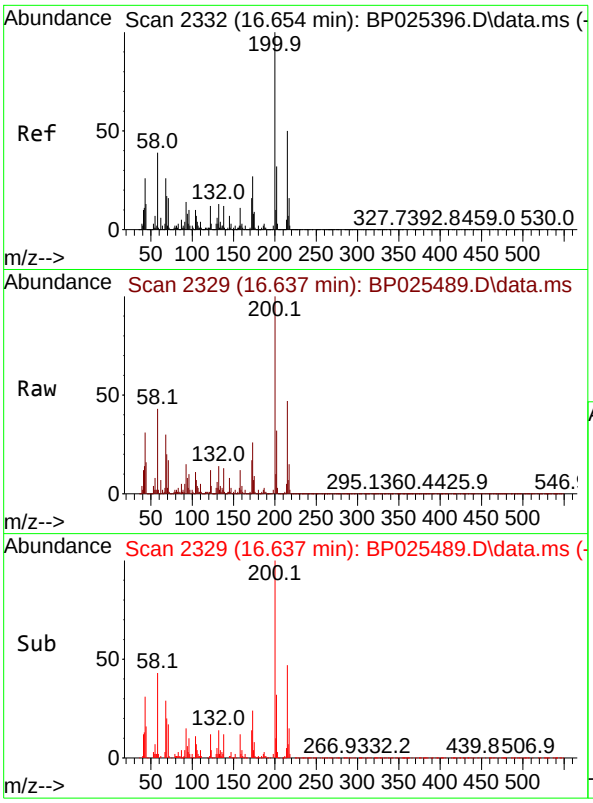


#68
Hexachlorobenzene
Concen: 47.697 ng
RT: 16.484 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:284 Resp: 477945

Ion	Ratio	Lower	Upper
284	100		
142	33.2	29.1	43.7
249	31.4	25.0	37.4



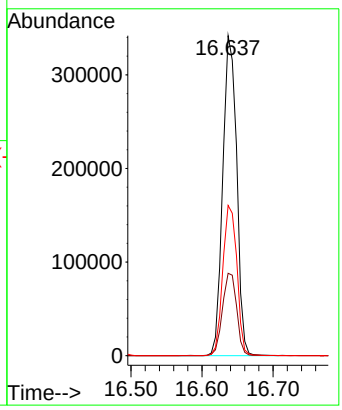


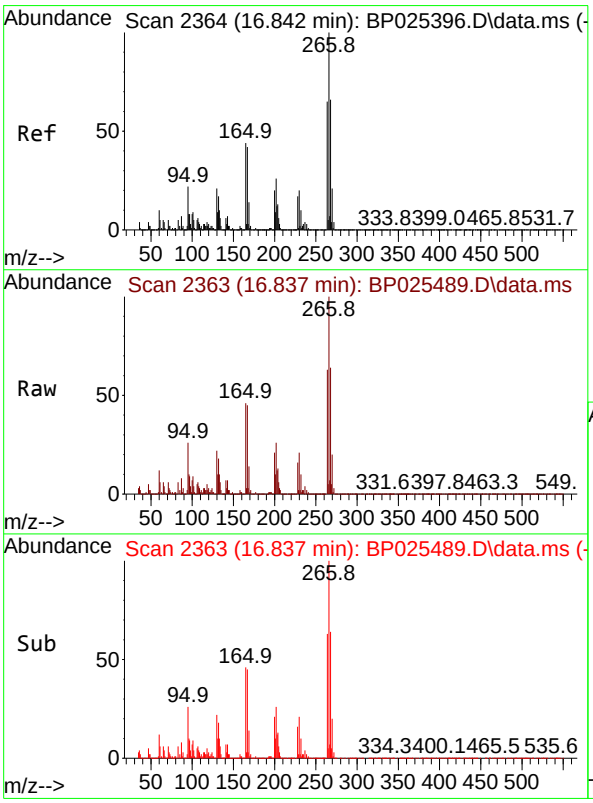
#69
Atrazine
Concen: 51.717 ng
RT: 16.637 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:200 Resp: 464200

Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.7	46.7
215	47.0	29.7	69.7

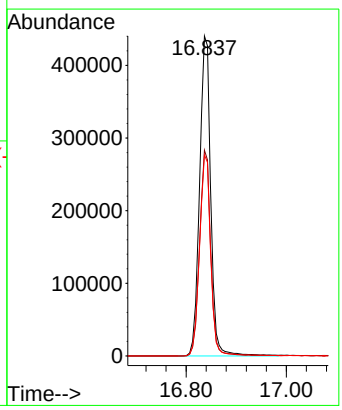


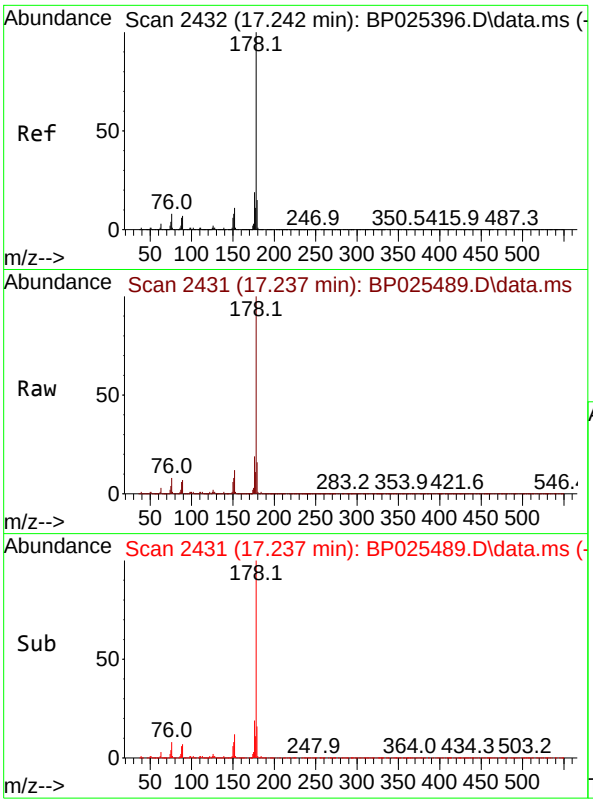


#70
Pentachlorophenol
Concen: 107.267 ng
RT: 16.837 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:266 Resp: 678508

Ion	Ratio	Lower	Upper
266	100		
268	64.3	52.6	79.0
264	62.8	52.0	78.0



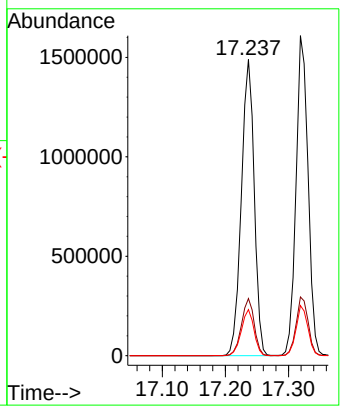


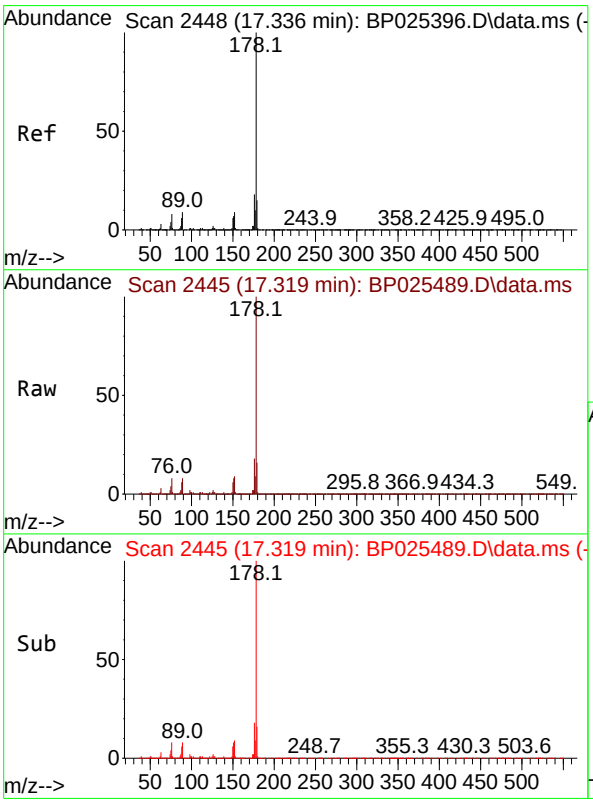
#71
Phenanthrene
Concen: 48.800 ng
RT: 17.237 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:178 Resp: 2106985

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.6	12.2	18.4

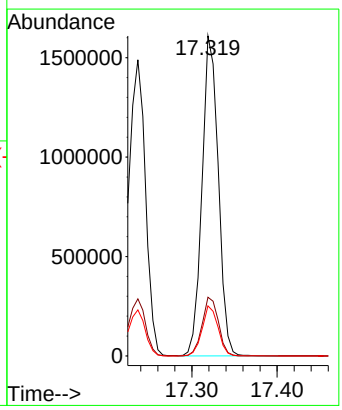


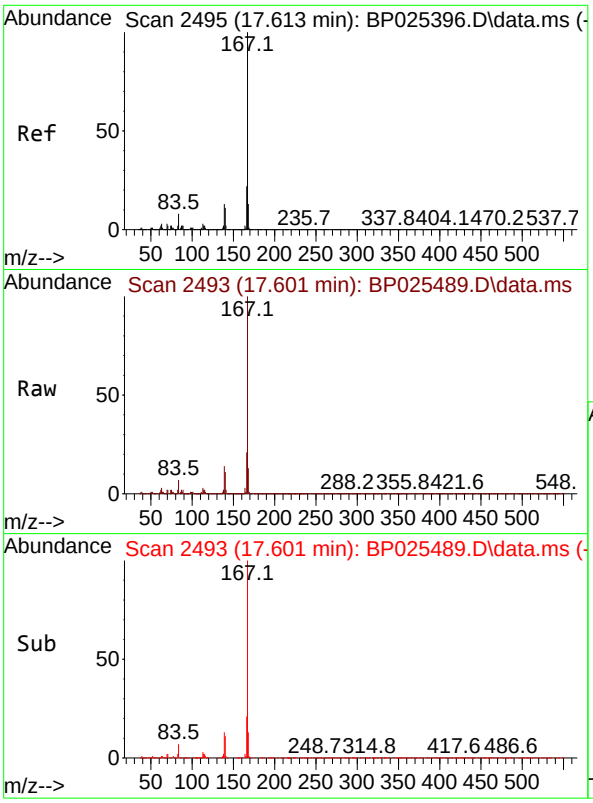


#72
Anthracene
Concen: 48.459 ng
RT: 17.319 min Scan# 2445
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:178 Resp: 2136608

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.6	12.2	18.2



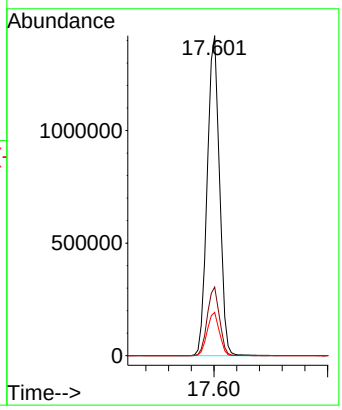


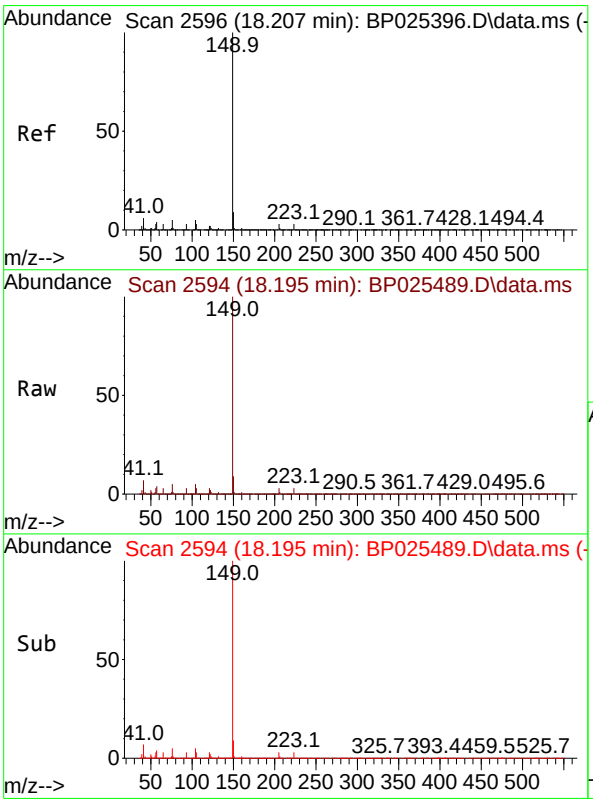
#73
Carbazole
Concen: 51.060 ng
RT: 17.601 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:167 Resp: 2120545

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.6	10.6	16.0

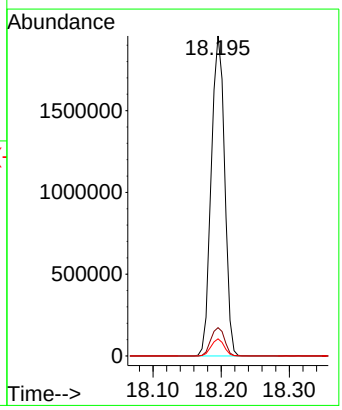


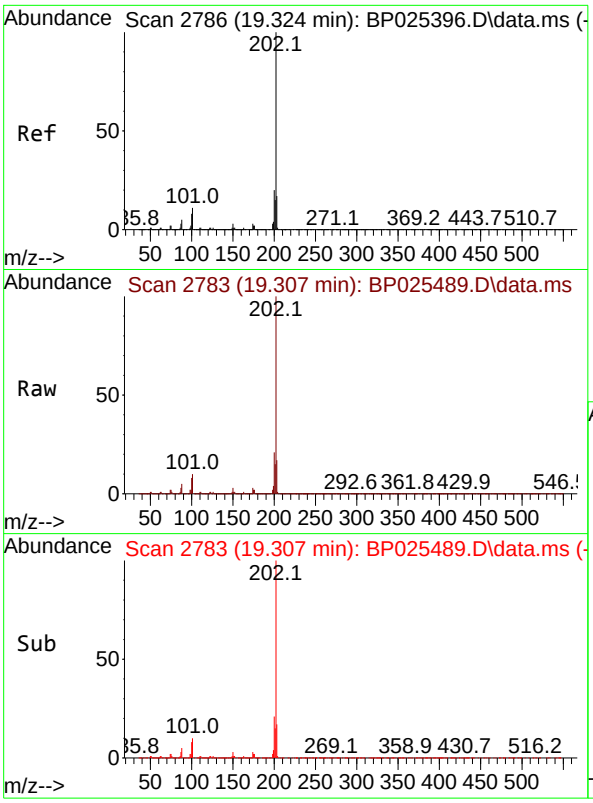


#74
Di-n-butylphthalate
Concen: 52.470 ng
RT: 18.195 min Scan# 2594
Delta R.T. -0.012 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:149 Resp: 2680990

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.3	4.2	6.2



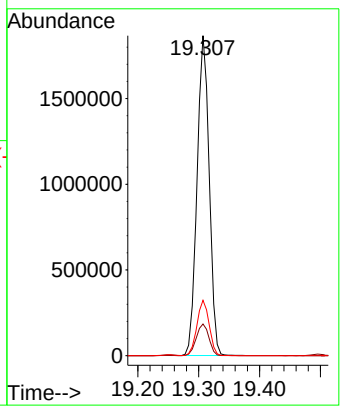


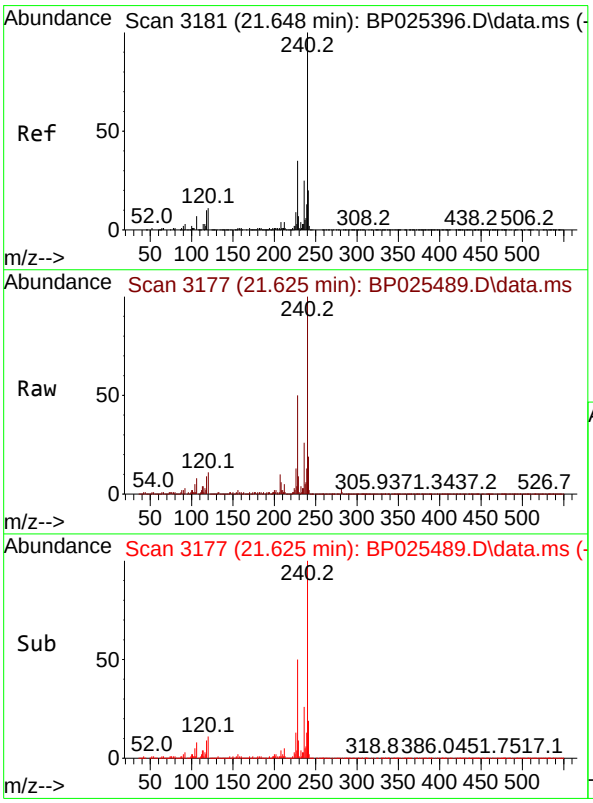
#75
Fluoranthene
Concen: 50.309 ng
RT: 19.307 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:202 Resp: 2590995

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.3	0.0	37.3

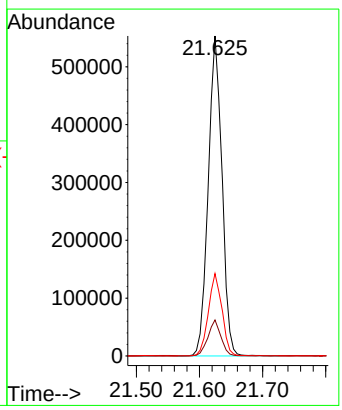


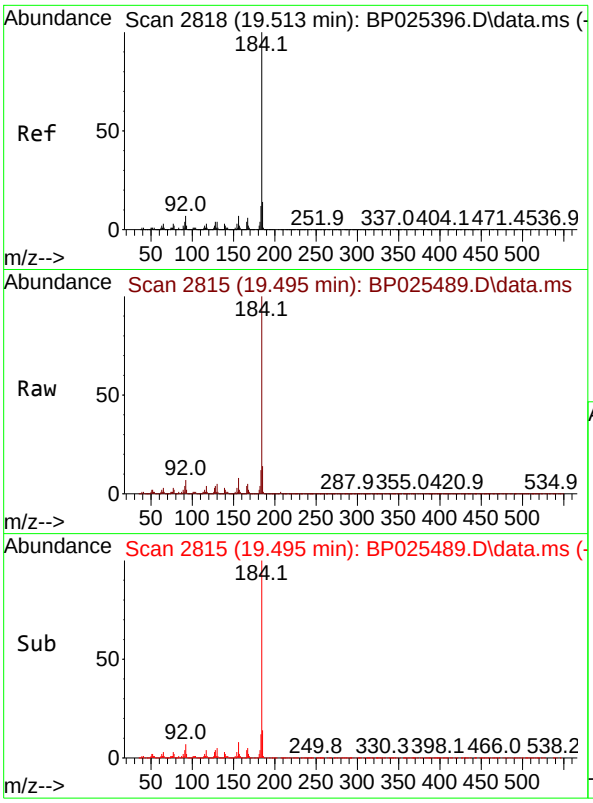


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:240 Resp: 837525

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.8	19.8	29.8



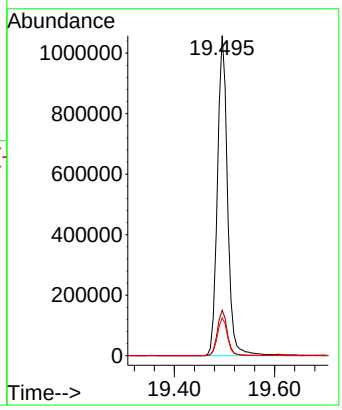


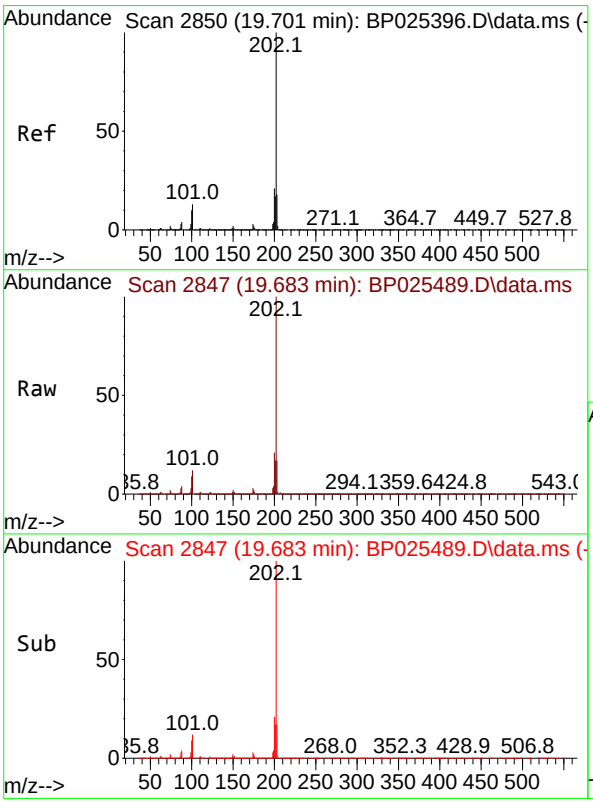
#77
Benzidine
Concen: 51.674 ng
RT: 19.495 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:184 Resp: 1477006

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.9	9.4	14.2

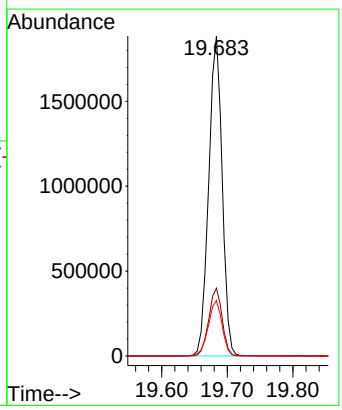


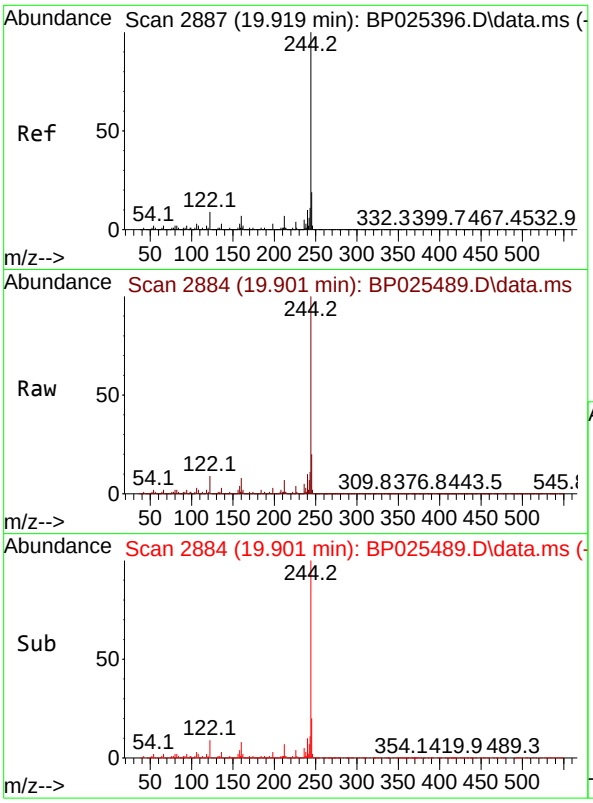


#78
Pyrene
Concen: 49.460 ng
RT: 19.683 min Scan# 2847
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:202 Resp: 2692453

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.3	14.2	21.2



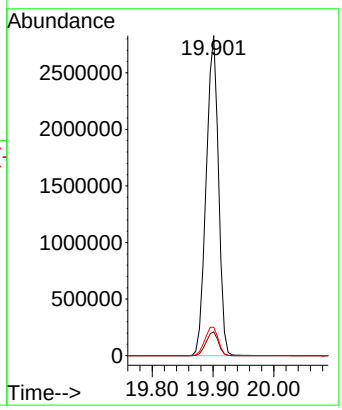


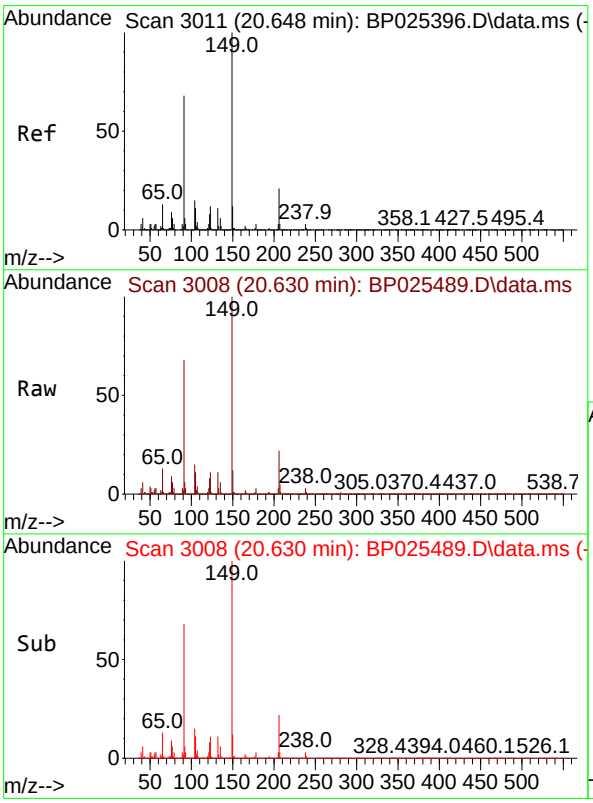
#79
Terphenyl-d14
Concen: 86.358 ng
RT: 19.901 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:244 Resp: 3953214

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.9	7.4	11.2

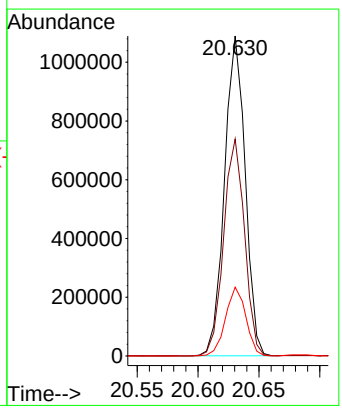


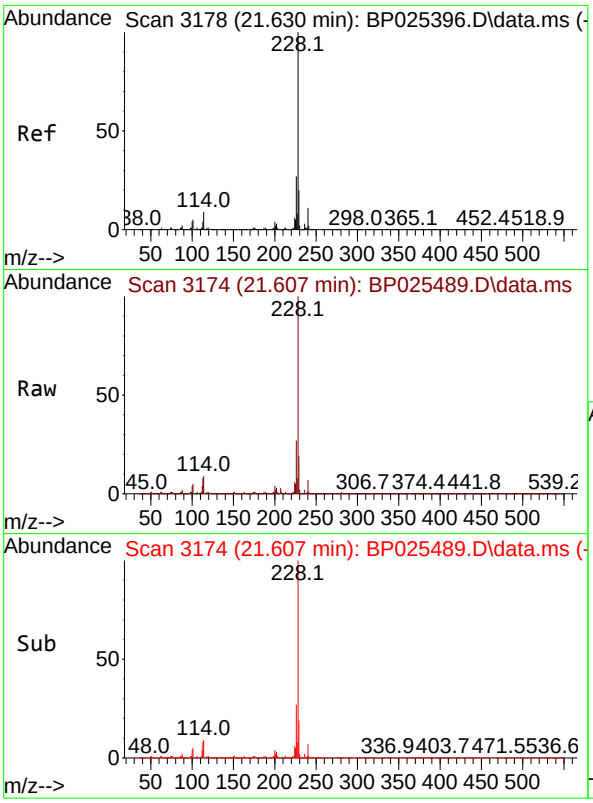


#80
Butylbenzylphthalate
Concen: 52.116 ng
RT: 20.630 min Scan# 3008
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:149 Resp: 1285781

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.2	81.2
206	21.5	16.6	24.8



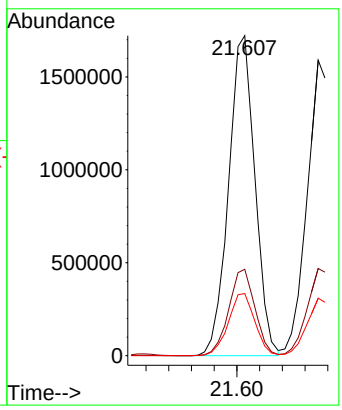


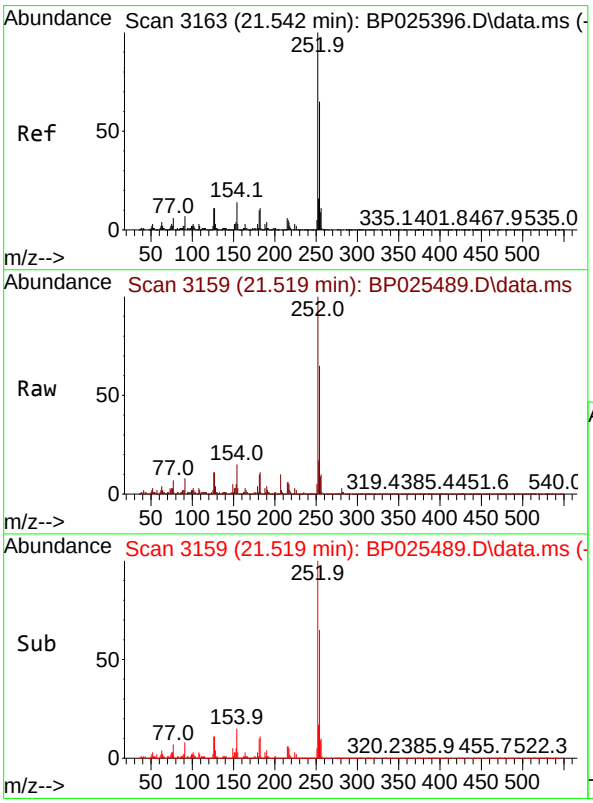
#81
Benzo(a)anthracene
Concen: 50.305 ng
RT: 21.607 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:228 Resp: 2778617

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.4	15.6	23.4

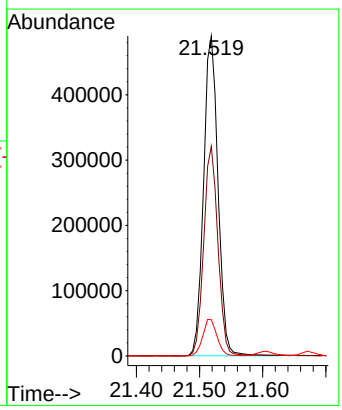


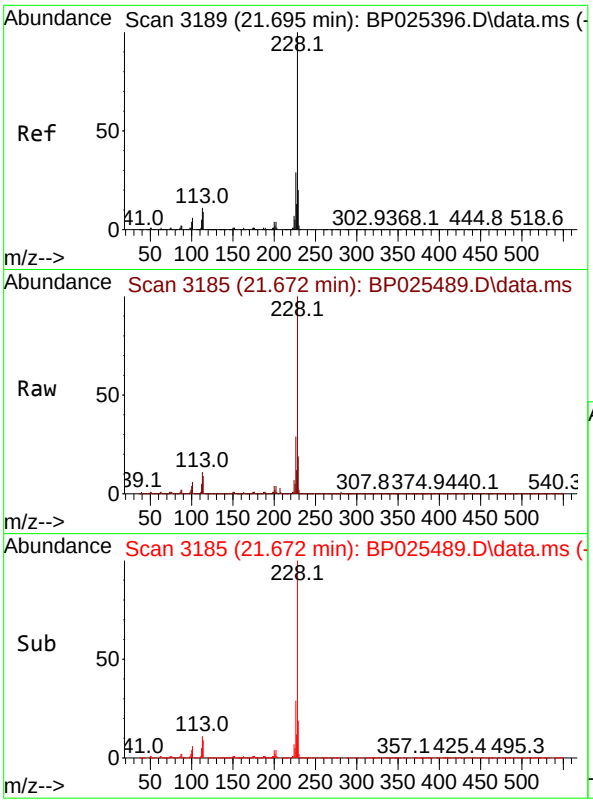


#82
3,3'-Dichlorobenzidine
Concen: 37.395 ng
RT: 21.519 min Scan# 3159
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:252 Resp: 778549

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.8	77.6
126	11.4	9.1	13.7



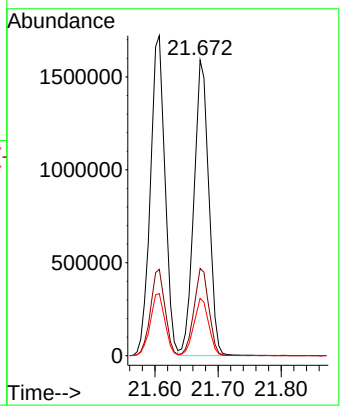


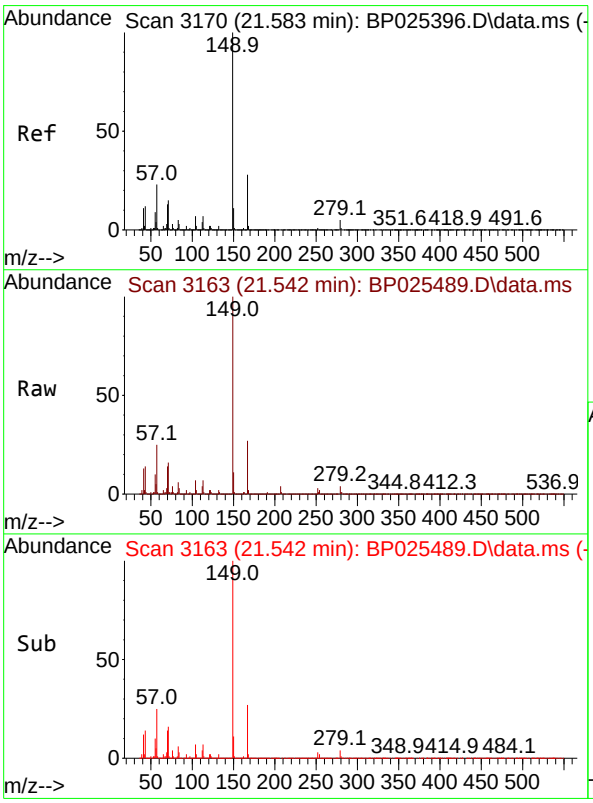
#83
Chrysene
Concen: 50.178 ng
RT: 21.672 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:228 Resp: 2595574

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	19.4	15.6	23.4

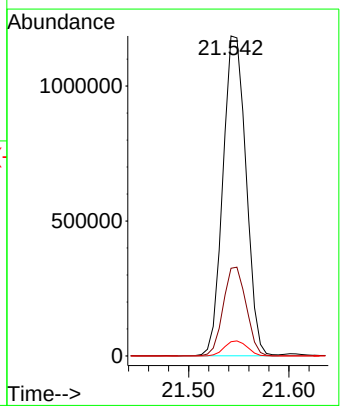


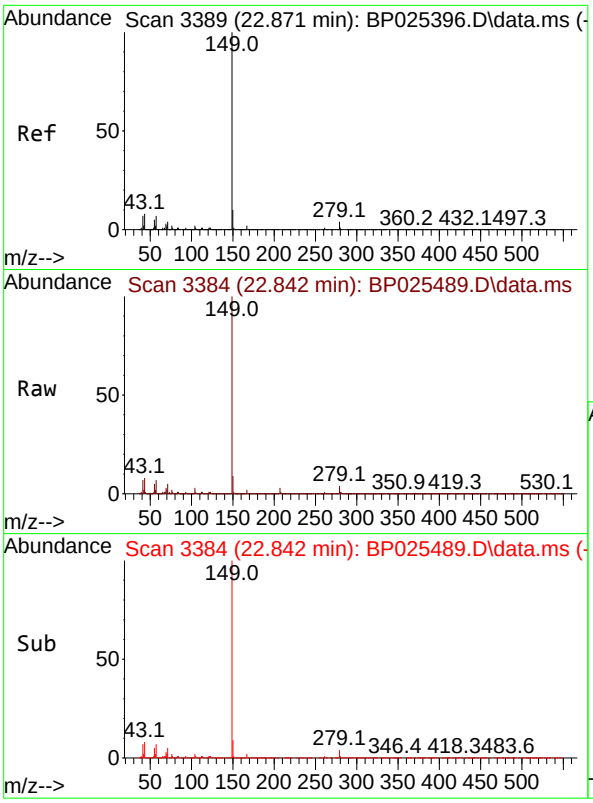


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.141 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.041 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:149 Resp: 1893639

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.5	3.8	5.6



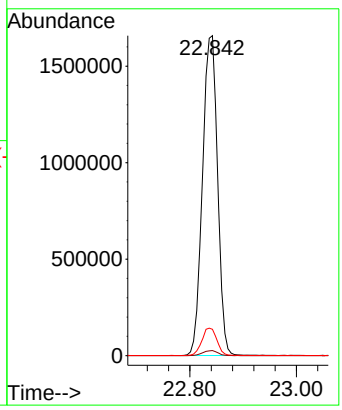


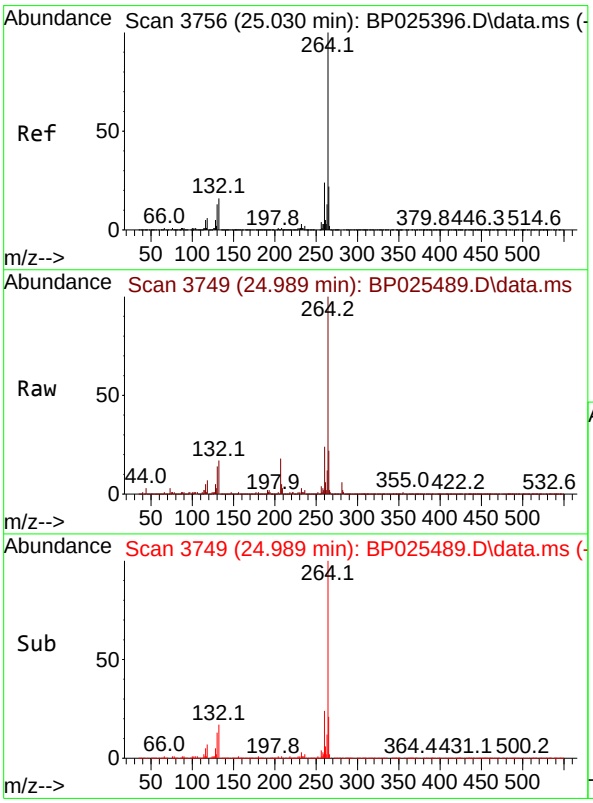
#85
Di-n-octyl phthalate
Concen: 52.072 ng
RT: 22.842 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:149 Resp: 3252836

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.3	9.5

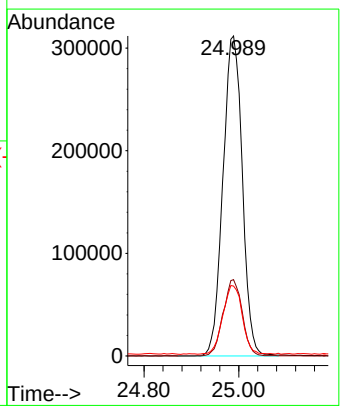


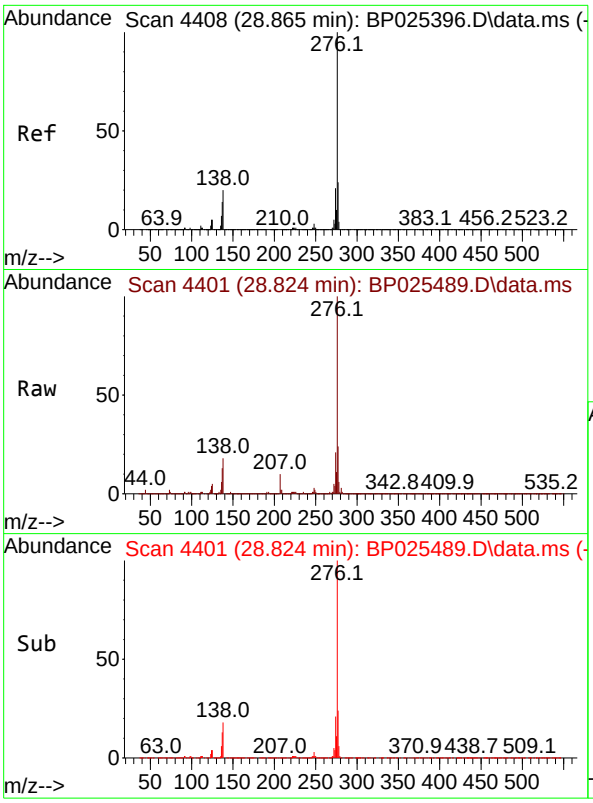


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:264 Resp: 883653

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	21.9	17.4	26.0



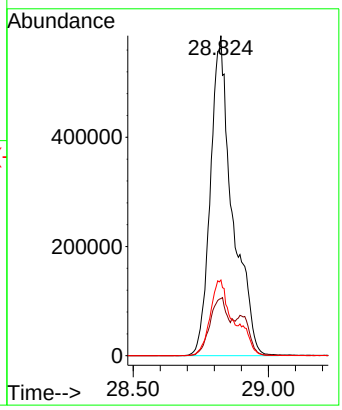


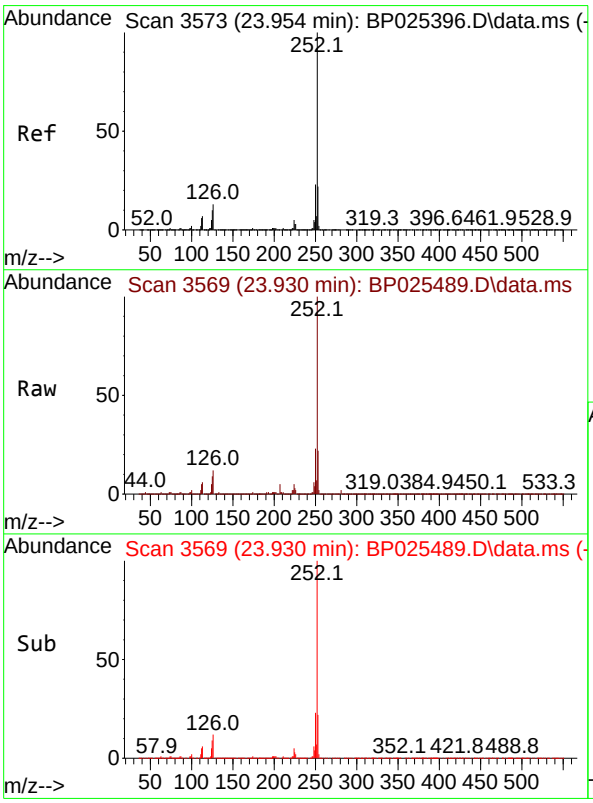
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.139 ng
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:276 Resp: 3313996

Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.9	19.3
277	20.5	17.0	25.6

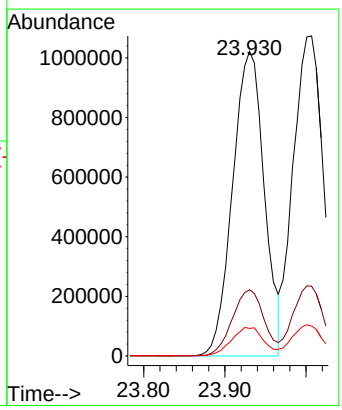


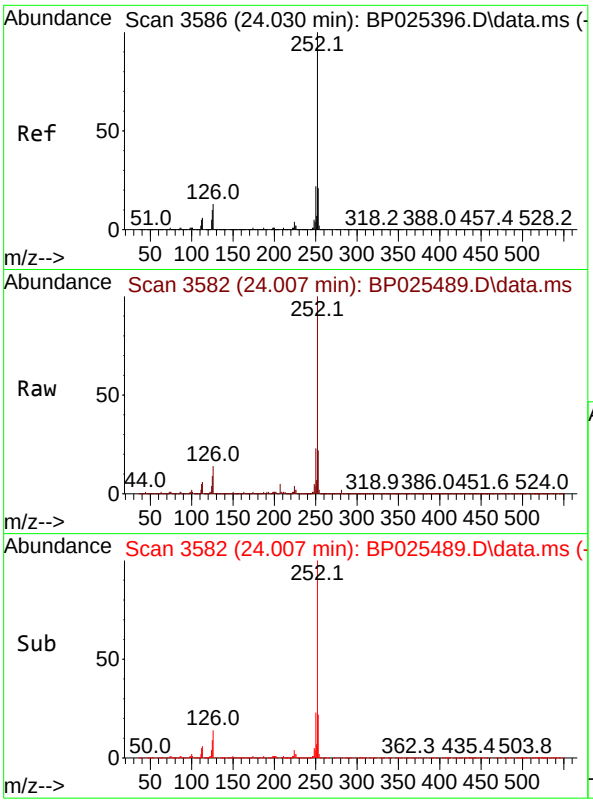


#88
Benzo(b)fluoranthene
Concen: 53.175 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:252 Resp: 2770744

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.0	7.9	11.9



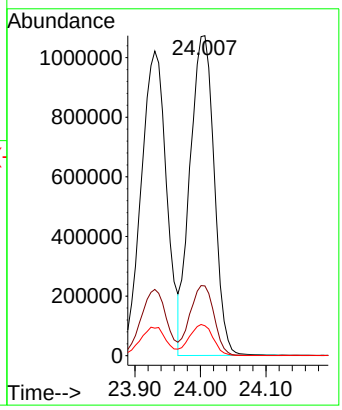


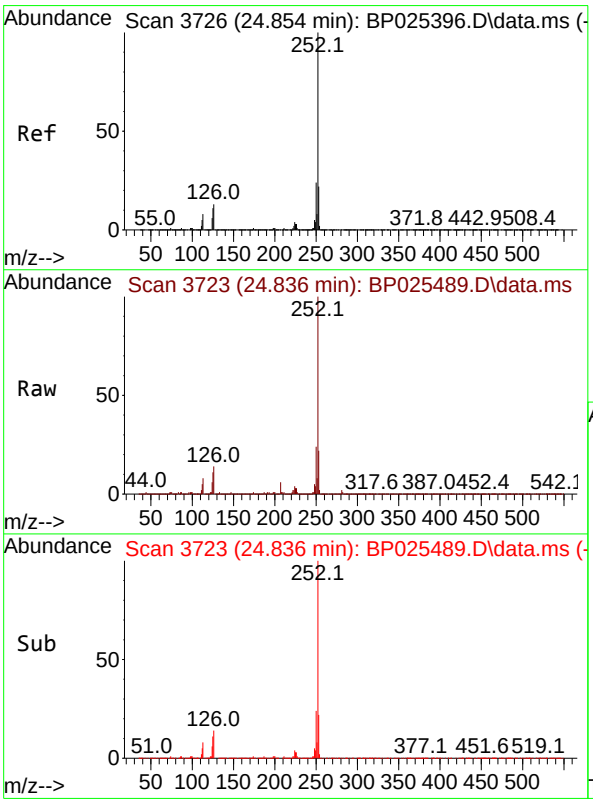
#89
Benzo(k)fluoranthene
Concen: 52.677 ng
RT: 24.007 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:252 Resp: 2746666

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.4	7.8	11.6

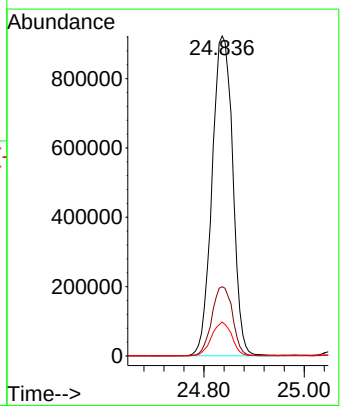


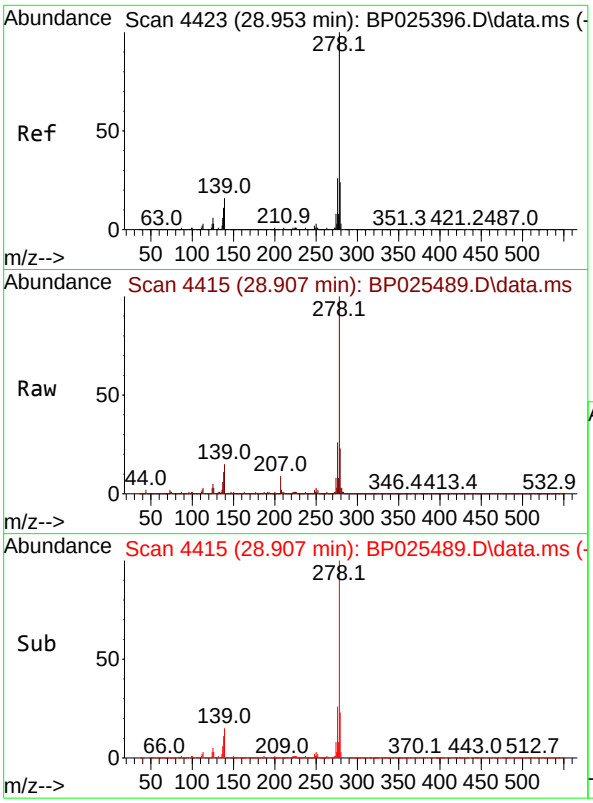


#90
Benzo(a)pyrene
Concen: 52.123 ng
RT: 24.836 min Scan# 3723
Delta R.T. -0.017 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:252 Resp: 2643770

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.6	8.7	13.1



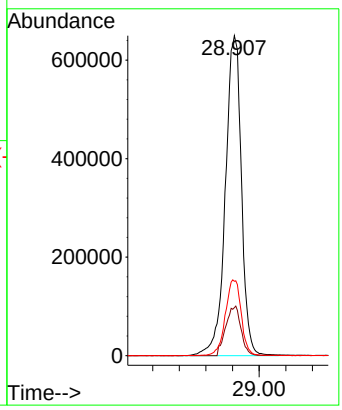


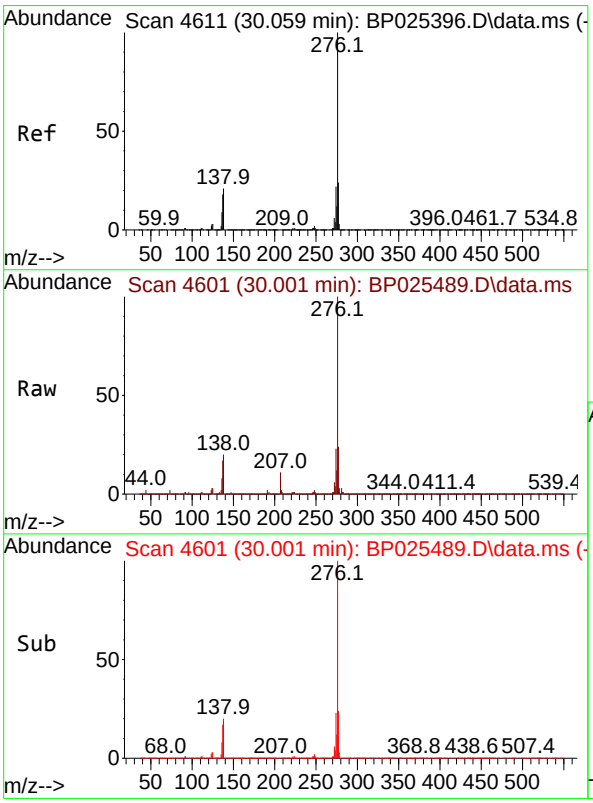
#91
Dibenzo(a,h)anthracene
Concen: 51.352 ng
RT: 28.907 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Instrument :
BNA_P
ClientSampleId :
PB169242BS

Tgt Ion:278 Resp: 2719515

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.0	19.4
279	23.2	19.4	29.2

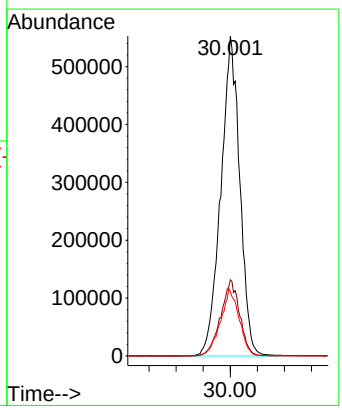




#92
Benzo(g,h,i)perylene
Concen: 51.668 ng
RT: 30.001 min Scan# 4601
Delta R.T. -0.059 min
Lab File: BP025489.D
Acq: 20 Aug 2025 01:07

Tgt Ion:276 Resp: 2689664

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	20.1	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMS	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025516.D	1	08/14/25 08:40	08/20/25 21:11	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		180	310	380	ug/Kg
108-95-2	Phenol	1900		25.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		28.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	1900		28.4	150	200	ug/Kg
95-48-7	2-Methylphenol	1900		34.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		43.6	150	200	ug/Kg
98-86-2	Acetophenone	1800		34.3	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1900		47.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		55.1	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	1800		20.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1800		21.3	150	200	ug/Kg
78-59-1	Isophorone	1800		38.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	1900		67.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		75.4	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		35.8	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		32.9	150	200	ug/Kg
91-20-3	Naphthalene	1800		26.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	960		41.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		29.4	150	200	ug/Kg
105-60-2	Caprolactam	2000		60.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		33.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		29.8	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		23.0	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		33.8	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		25.4	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		26.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	2000		55.9	150	200	ug/Kg
131-11-3	Dimethylphthalate	1900		31.5	150	200	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMS	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025516.D	1	08/14/25 08:40	08/20/25 21:11	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		33.6	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		39.1	150	200	ug/Kg
99-09-2	3-Nitroaniline	1300		53.5	150	200	ug/Kg
83-32-9	Acenaphthene	1700		24.8	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	4500	E	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	3900	E	120	310	380	ug/Kg
132-64-9	Dibenzofuran	1800		26.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		58.3	150	200	ug/Kg
84-66-2	Diethylphthalate	1900		32.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		31.1	150	200	ug/Kg
86-73-7	Fluorene	1800		29.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	1800		74.7	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		32.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.4	150	200	ug/Kg
1912-24-9	Atrazine	1900		39.5	150	200	ug/Kg
87-86-5	Pentachlorophenol	3900	E	59.7	310	380	ug/Kg
85-01-8	Phenanthrene	1800		24.3	150	200	ug/Kg
120-12-7	Anthracene	1800		38.7	150	200	ug/Kg
86-74-8	Carbazole	1800		36.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		55.7	150	200	ug/Kg
206-44-0	Fluoranthene	1700		34.9	150	200	ug/Kg
129-00-0	Pyrene	2100		41.9	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2100		83.1	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		42.7	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1800		26.8	150	200	ug/Kg
218-01-9	Chrysene	1800		23.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		68.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.1	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMS	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025516.D	1	08/14/25 08:40	08/20/25 21:11	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		26.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		34.3	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		33.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		31.9	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		29.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		29.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	1500		52.6	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		31.9	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102		35 - 115		68%	SPK: 150
13127-88-3	Phenol-d6	105		34 - 127		70%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.0		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.5		44 - 115		58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		39 - 132		70%	SPK: 150
1718-51-0	Terphenyl-d14	70.4		54 - 127		70%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197000	7.79				
1146-65-2	Naphthalene-d8	796000	10.555				
15067-26-2	Acenaphthene-d10	542000	14.407				
1517-22-2	Phenanthrene-d10	1090000	17.207				
1719-03-5	Chrysene-d12	893000	21.642				
1520-96-3	Perylene-d12	958000	25.024				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	196853	20.000	ng		0.00
21) Naphthalene-d8	10.555	136	796434	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	542391	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	1090849	20.000	ng		0.00
76) Chrysene-d12	21.642	240	892873	20.000	ng		0.00
86) Perylene-d12	25.024	264	958463	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1211281	102.187	ng		0.00
7) Phenol-d6	6.972	99	1591692	104.735	ng		0.00
23) Nitrobenzene-d5	8.931	82	1023958	65.037	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	771618	105.692	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	2319713	58.451	ng		0.00
79) Terphenyl-d14	19.925	244	3434227	70.370	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	174087	37.494	ng		96
3) Pyridine	3.725	79	483273	38.028	ng		95
4) n-Nitrosodimethylamine	3.631	42	256777	49.010	ng		90
6) Aniline	7.125	93	752387	36.745	ng		99
8) 2-Chlorophenol	7.366	128	652515	48.782	ng		100
9) Benzaldehyde	6.937	77	299983	28.174	ng		97
10) Phenol	7.002	94	788903	49.471	ng		97
11) bis(2-Chloroethyl)ether	7.219	93	565023	45.459	ng		99
12) 1,3-Dichlorobenzene	7.678	146	658534	44.648	ng		97
13) 1,4-Dichlorobenzene	7.825	146	666221	44.192	ng		98
14) 1,2-Dichlorobenzene	8.137	146	650052	44.544	ng		99
15) Benzyl Alcohol	8.025	79	586521	48.572	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.308	45	772444	46.392	ng		99
17) 2-Methylphenol	8.225	107	541309	48.875	ng		98
18) Hexachloroethane	8.861	117	253613	45.754	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	447356	44.440	ng		97
20) 3+4-Methylphenols	8.549	107	747172	48.669	ng		98
22) Acetophenone	8.602	105	925700	46.348	ng	#	98
24) Nitrobenzene	8.972	77	669544	47.583	ng		99
25) Isophorone	9.502	82	1291341	46.346	ng		98
26) 2-Nitrophenol	9.678	139	359110	49.729	ng		99
27) 2,4-Dimethylphenol	9.743	122	616027	49.605	ng		97
28) bis(2-Chloroethoxy)met...	9.966	93	792282	47.040	ng		98
29) 2,4-Dichlorophenol	10.213	162	629551	51.032	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	608202	44.974	ng		98
31) Naphthalene	10.607	128	1888650	45.625	ng		99
32) Benzoic acid	9.908	122	515480	56.224	ng		96
33) 4-Chloroaniline	10.713	127	450951	24.662	ng		99
34) Hexachlorobutadiene	10.896	225	388664	46.148	ng		99
35) Caprolactam	11.507	113	233521m	51.624	ng		
36) 4-Chloro-3-methylphenol	11.843	107	734853	51.912	ng		95
37) 2-Methylnaphthalene	12.213	142	1263780	46.913	ng		99
38) 1-Methylnaphthalene	12.437	142	1302740	45.474	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	702998	44.877	ng		99
41) Hexachlorocyclopentadiene	12.566	237	844610	89.262	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	529135	50.034	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	592451	51.115	ng	99
46) 1,1'-Biphenyl	13.225	154	1816843	46.123	ng	98
47) 2-Chloronaphthalene	13.272	162	1392441	45.407	ng	100
48) 2-Nitroaniline	13.466	65	470973	52.709	ng	96
49) Acenaphthylene	14.125	152	2335961	46.035	ng	100
50) Dimethylphthalate	13.854	163	1923497	48.428	ng	99
51) 2,6-Dinitrotoluene	13.972	165	423357	50.571	ng	94
52) Acenaphthene	14.472	154	1333260	44.762	ng	99
53) 3-Nitroaniline	14.307	138	306252	32.515	ng	96
54) 2,4-Dinitrophenol	14.513	184	518294	115.933	ng	97
55) Dibenzofuran	14.807	168	2154905	45.760	ng	98
56) 4-Nitrophenol	14.631	139	779771	100.749	ng	90
57) 2,4-Dinitrotoluene	14.772	165	614566	51.453	ng	97
58) Fluorene	15.472	166	1680951	45.238	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.048	232	520533	50.862	ng	98
60) Diethylphthalate	15.237	149	1984056	49.161	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	831152	44.976	ng	95
62) 4-Nitroaniline	15.490	138	454185	47.037	ng	94
63) Azobenzene	15.760	77	1878426	54.357	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	350723	51.578	ng	94
66) n-Nitrosodiphenylamine	15.678	169	1571731	47.250	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	585013	48.762	ng	96
68) Hexachlorobenzene	16.495	284	647628	46.567	ng	97
69) Atrazine	16.654	200	609543	48.929	ng	97
70) Pentachlorophenol	16.854	266	874797	99.646	ng	98
71) Phenanthrene	17.248	178	2736199	45.661	ng	99
72) Anthracene	17.337	178	2877852	47.028	ng	100
73) Carbazole	17.619	167	2644146	45.874	ng	99
74) Di-n-butylphthalate	18.213	149	3447802	48.618	ng	100
75) Fluoranthene	19.331	202	3141701	43.953	ng	98
77) Benzidine	19.519	184	1326808	43.542	ng	100
78) Pyrene	19.701	202	3208701	55.290	ng	100
80) Butylbenzylphthalate	20.654	149	1400983	53.266	ng	98
81) Benzo(a)anthracene	21.625	228	2805279	47.640	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	732910	33.021	ng	99
83) Chrysene	21.689	228	2621789	47.543	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1896634	48.987	ng	100
85) Di-n-octyl phthalate	22.854	149	3136775	47.102	ng	99
87) Indeno(1,2,3-cd)pyrene	28.854	276	3460707m	49.235	ng	
88) Benzo(b)fluoranthene	23.960	252	2744537	48.561	ng	99
89) Benzo(k)fluoranthene	24.042	252	2665398	47.128	ng	99
90) Benzo(a)pyrene	24.866	252	2619564	47.615	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2852762	49.664	ng	99
92) Benzo(g,h,i)perylene	30.048	276	2821095	49.963	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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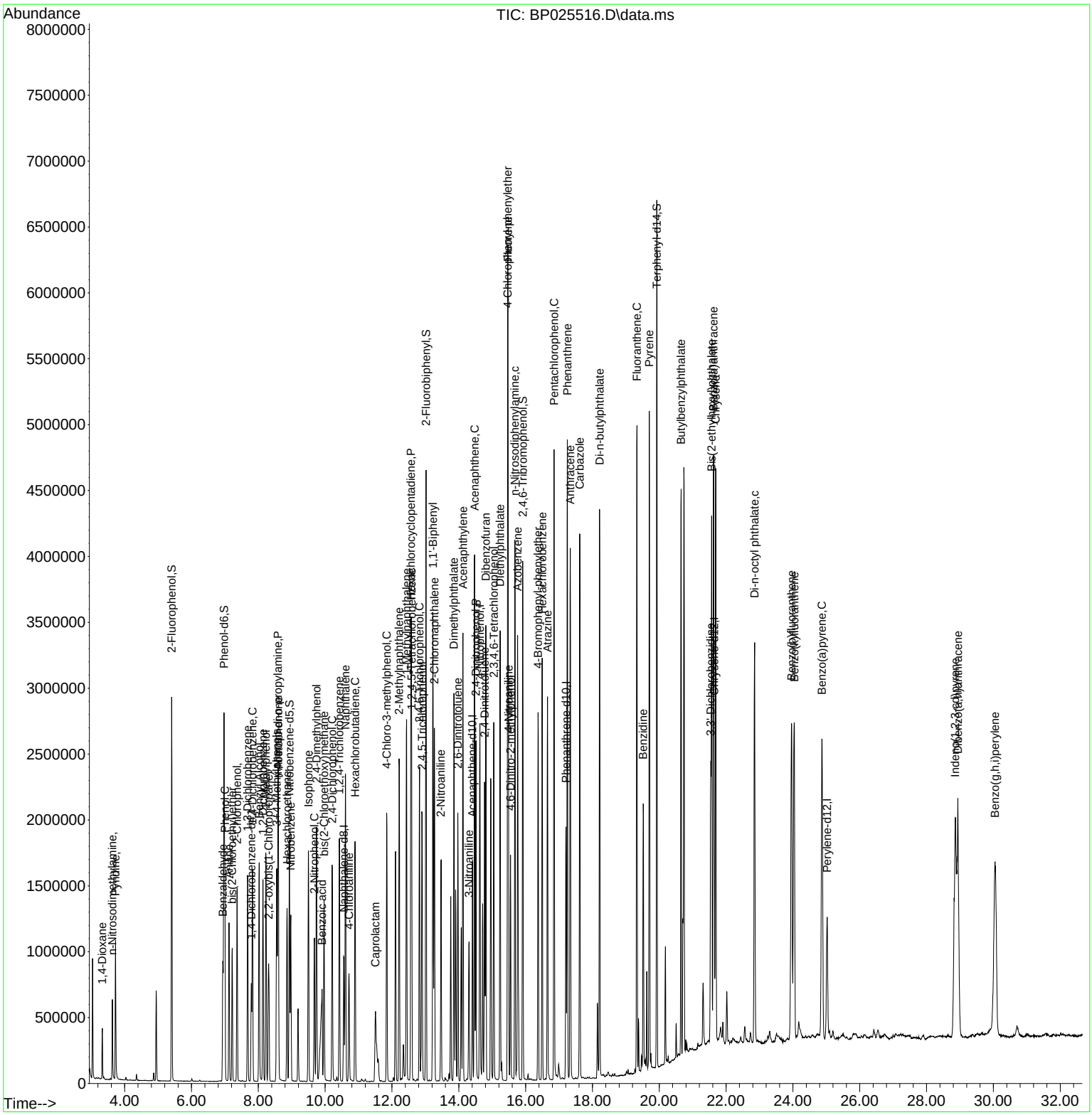
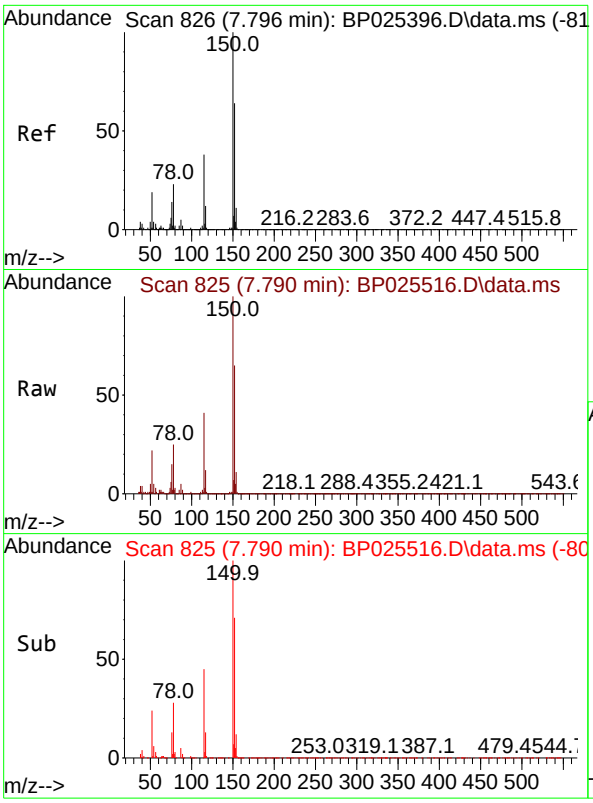
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

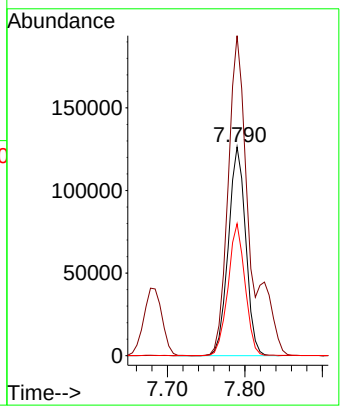




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:152 Resp: 19685

Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.9	188.9
115	63.3	48.5	72.7



Instrument :
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ClientSampleId :
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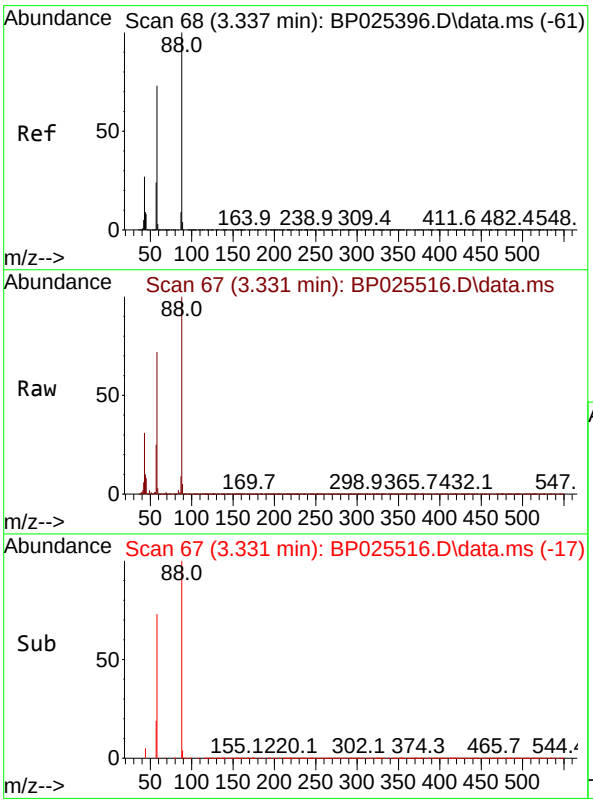
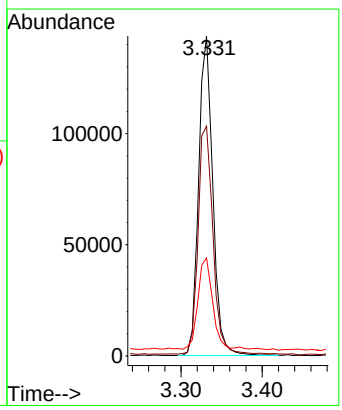
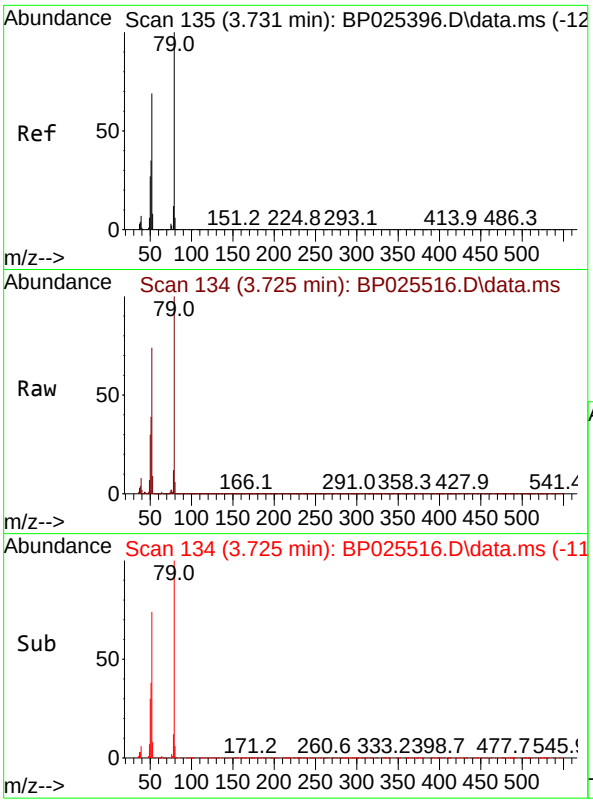


#2
1,4-Dioxane
Concen: 37.494 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 88 Resp: 174087

Ion	Ratio	Lower	Upper
88	100		
58	76.7	59.2	88.8
43	29.8	21.7	32.5

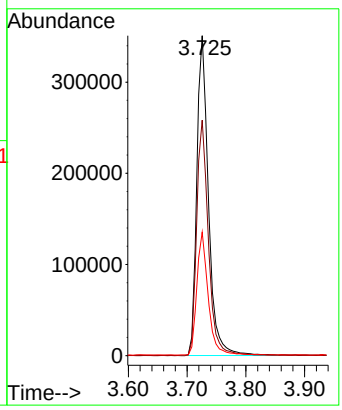




#3
Pyridine
Concen: 38.028 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 79 Resp: 48327

Ion	Ratio	Lower	Upper
79	100		
52	73.6	55.5	83.3
51	38.6	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
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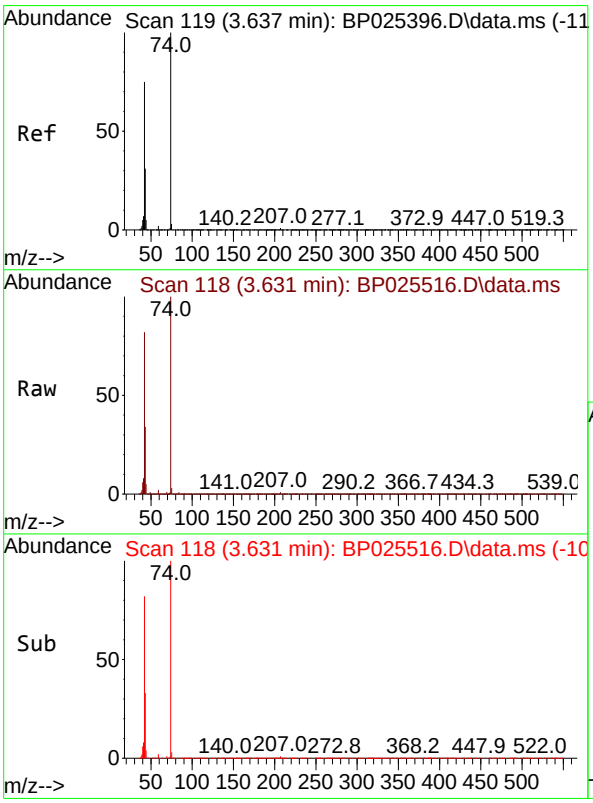
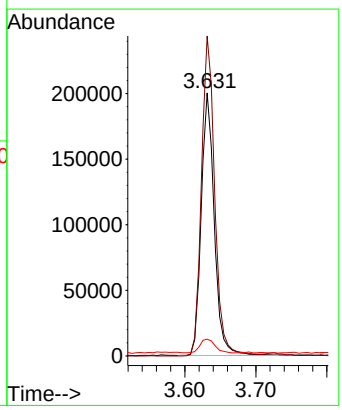
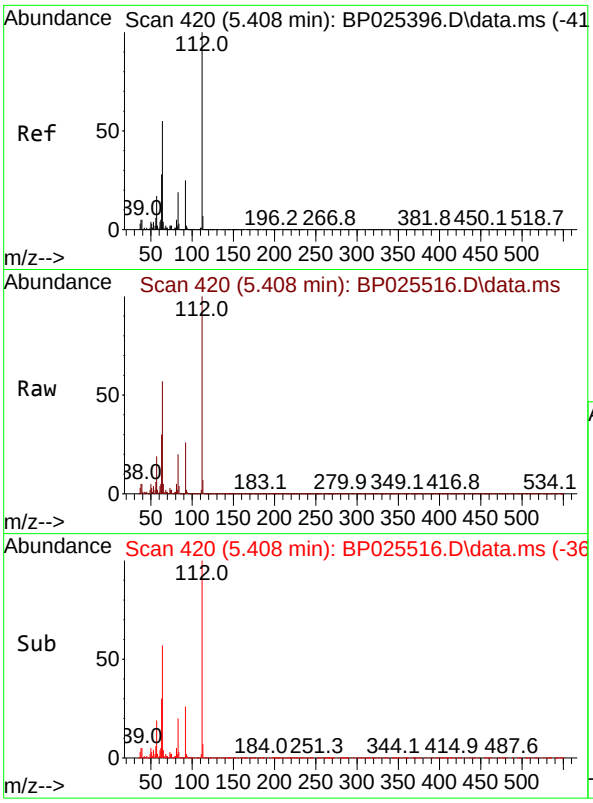


#4
n-Nitrosodimethylamine
Concen: 49.010 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 42 Resp: 256777

Ion	Ratio	Lower	Upper
42	100		
74	121.7	107.0	160.4
44	6.4	6.2	9.4

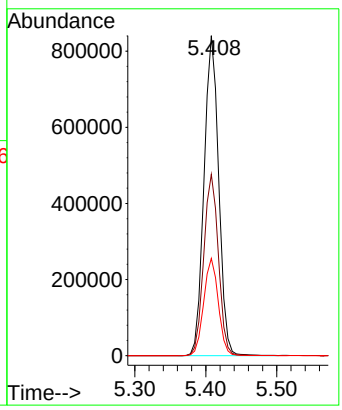




#5
2-Fluorophenol
Concen: 102.187 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:112 Resp: 121128

Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.8	65.8
63	30.4	22.7	34.1



Instrument :
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ClientSampleId :
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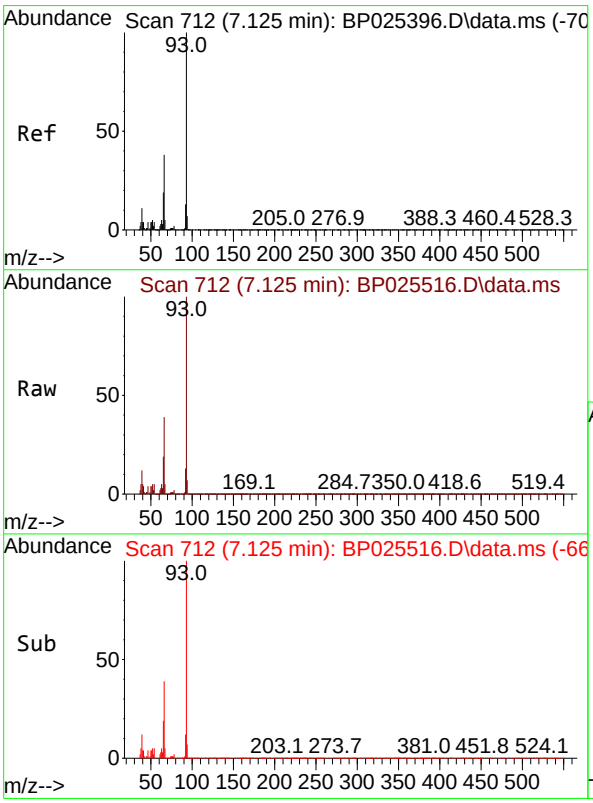
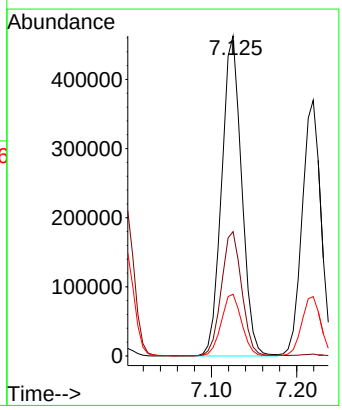
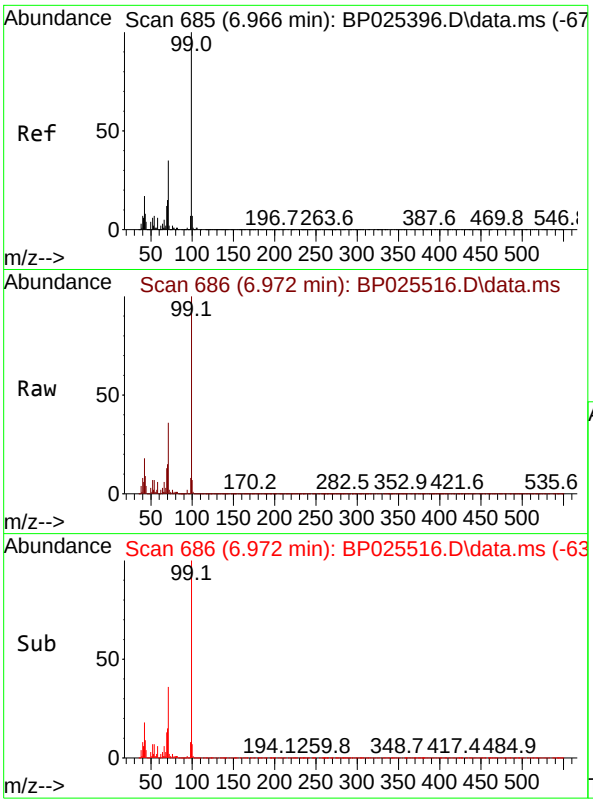


#6
Aniline
Concen: 36.745 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 93 Resp: 752387

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.4	45.6
65	19.3	15.3	22.9

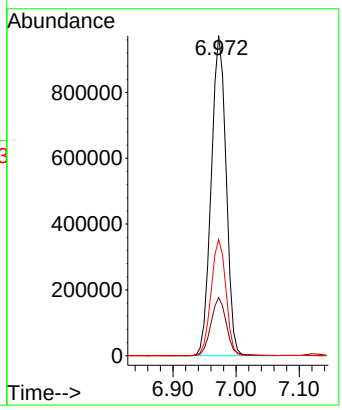




#7
Phenol-d6
Concen: 104.735 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 99 Resp: 159169

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	36.2	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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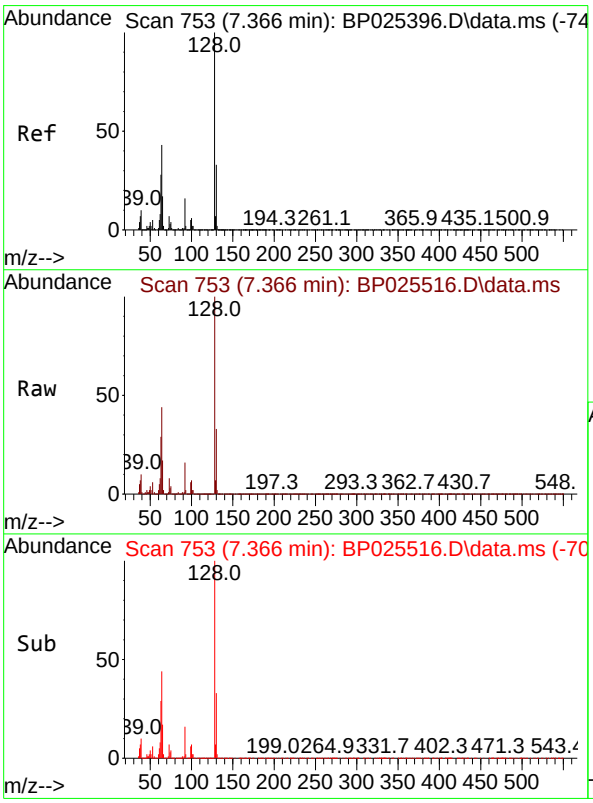
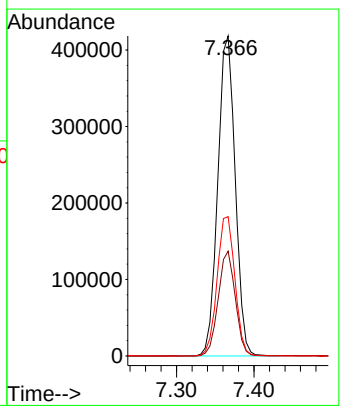
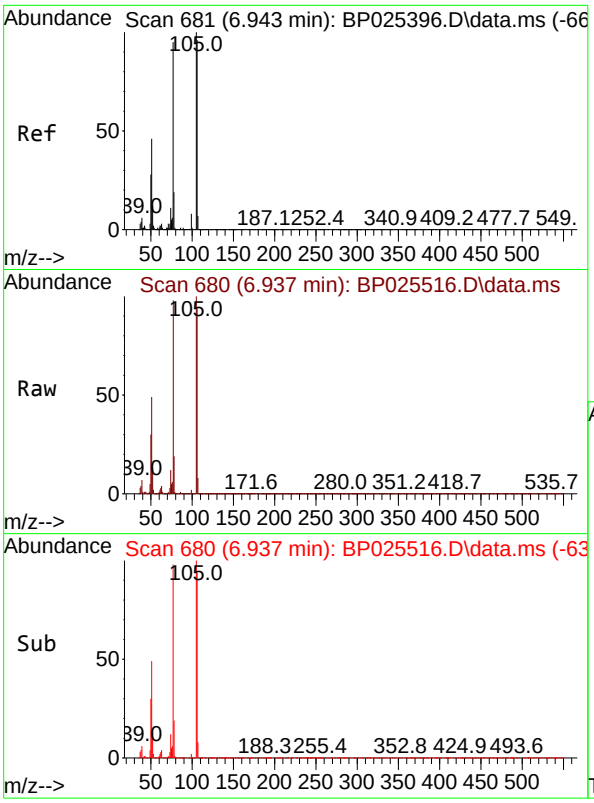


#8
2-Chlorophenol
Concen: 48.782 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:128 Resp: 652515

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	43.6	23.4	63.4

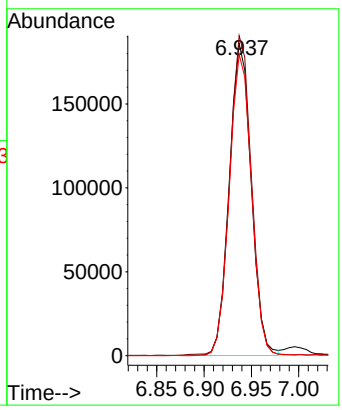




#9
Benzaldehyde
Concen: 28.174 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 77 Resp: 29998

Ion	Ratio	Lower	Upper
77	100		
105	102.5	84.8	124.8
106	96.5	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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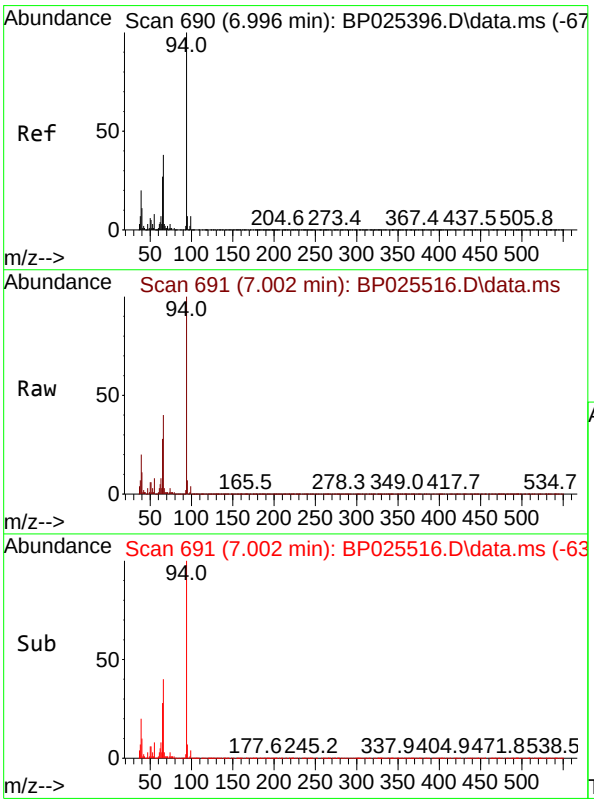
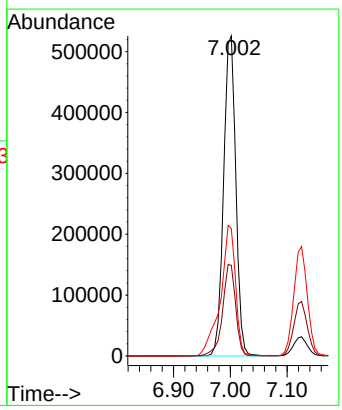
Supervised By :Jagrut Upadhyay 08/21/2025

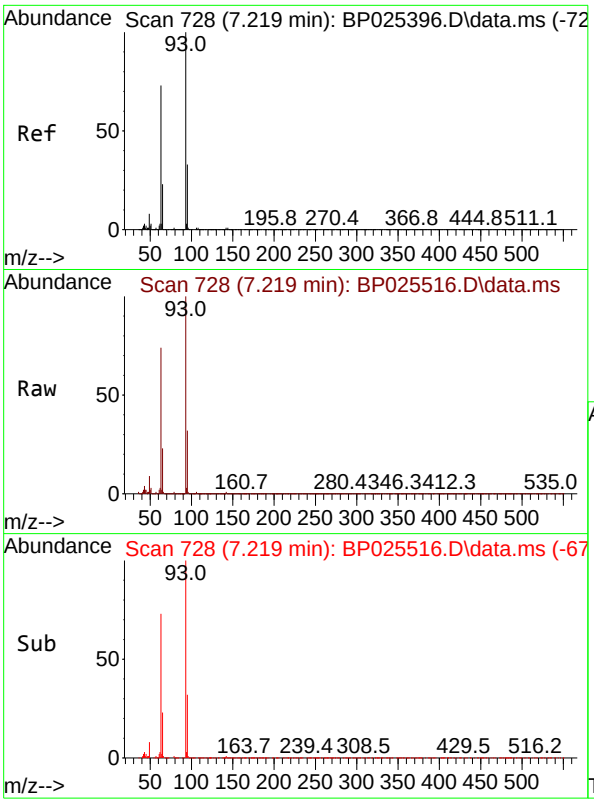


#10
Phenol
Concen: 49.471 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 94 Resp: 788903

Ion	Ratio	Lower	Upper
94	100		
65	28.3	6.8	46.8
66	39.9	18.2	58.2

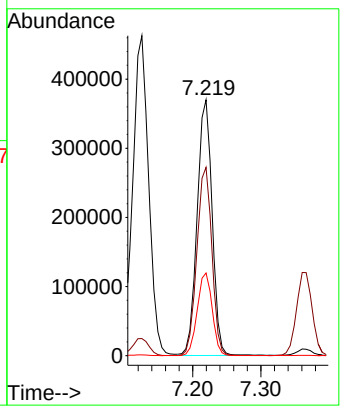




#11
bis(2-Chloroethyl)ether
Concen: 45.459 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 93 Resp: 56502

Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	32.3	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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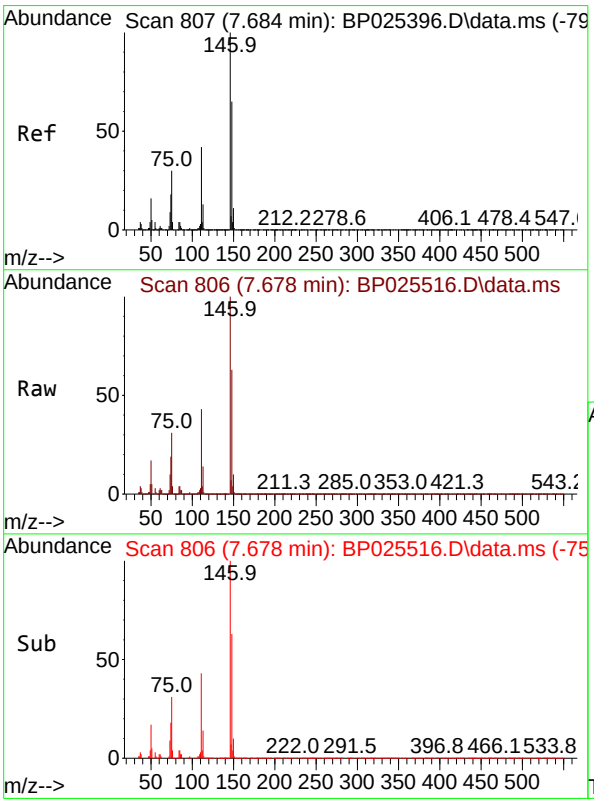
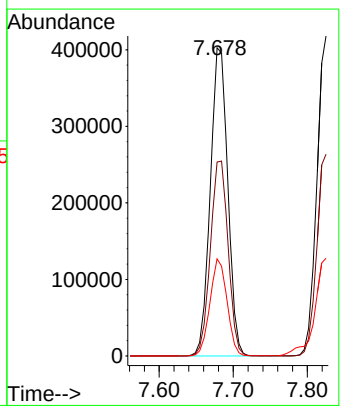
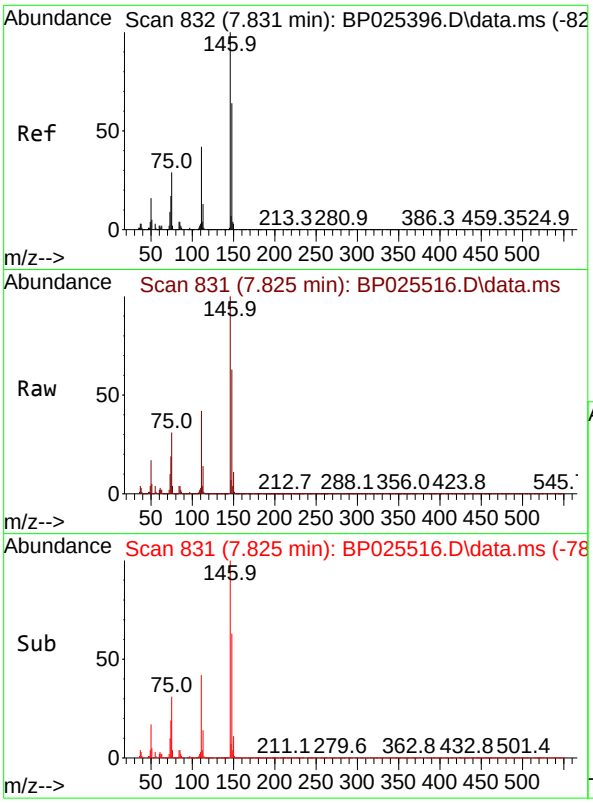


#12
1,3-Dichlorobenzene
Concen: 44.648 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:146 Resp: 658534

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
75	31.5	23.7	35.5

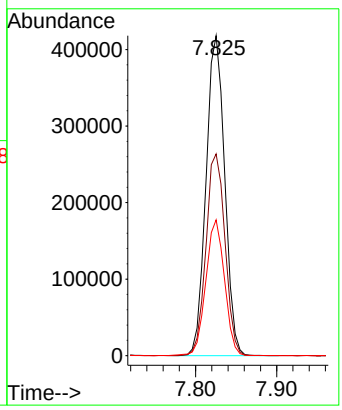




#13
1,4-Dichlorobenzene
Concen: 44.192 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:146 Resp: 66622

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
111	42.5	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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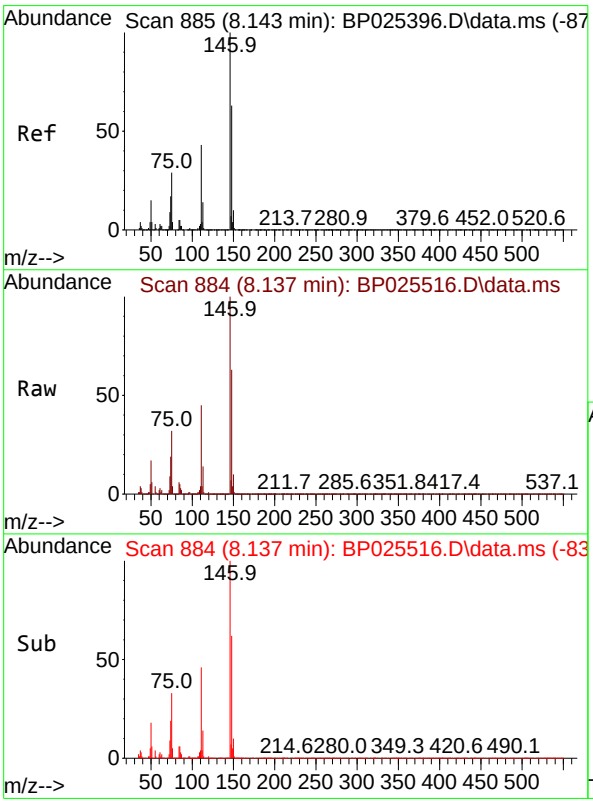
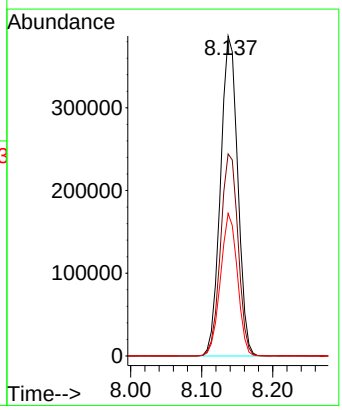
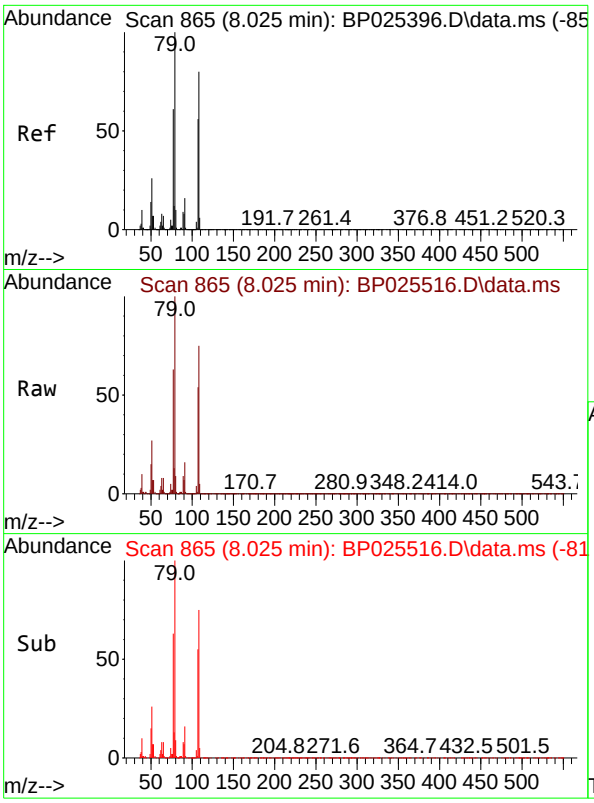


#14
1,2-Dichlorobenzene
Concen: 44.544 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:146 Resp: 650052

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	44.6	34.5	51.7





#15
Benzyl Alcohol
Concen: 48.572 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 79 Resp: 58652

Ion	Ratio	Lower	Upper
79	100		
108	74.5	63.8	95.6
77	63.3	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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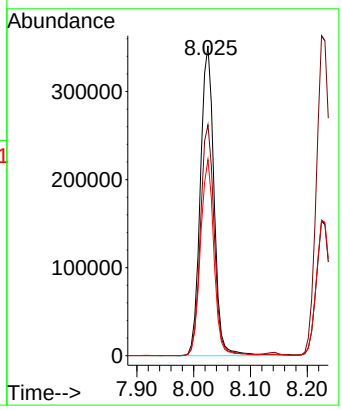
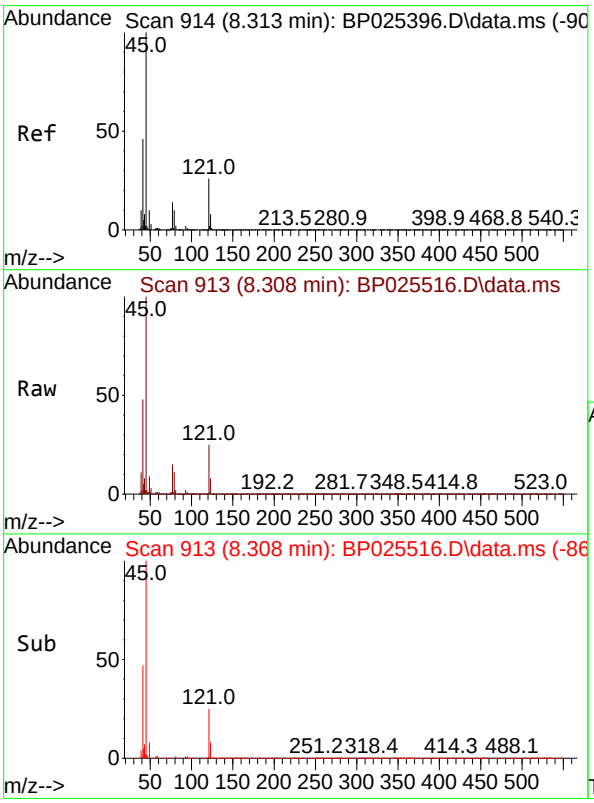
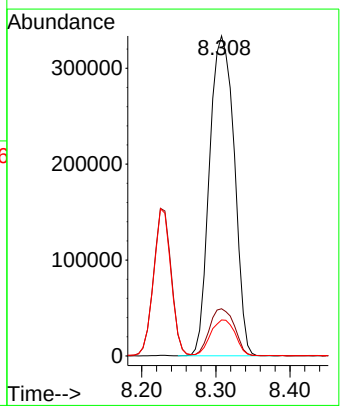


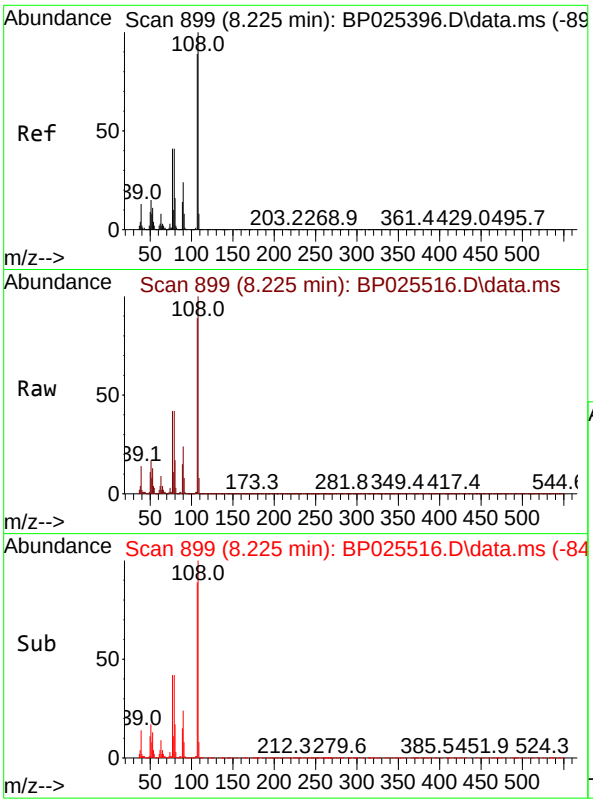


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.392 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 45 Resp: 772444

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.2	0.0	31.8

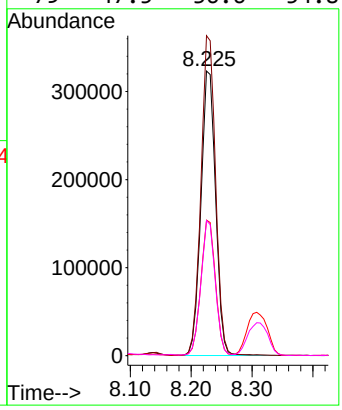




#17
2-Methylphenol
Concen: 48.875 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:107 Resp: 54130

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.4	134.0
77	47.6	36.3	54.5
79	47.5	36.6	54.8



Instrument :
BNA_P
ClientSampleId :
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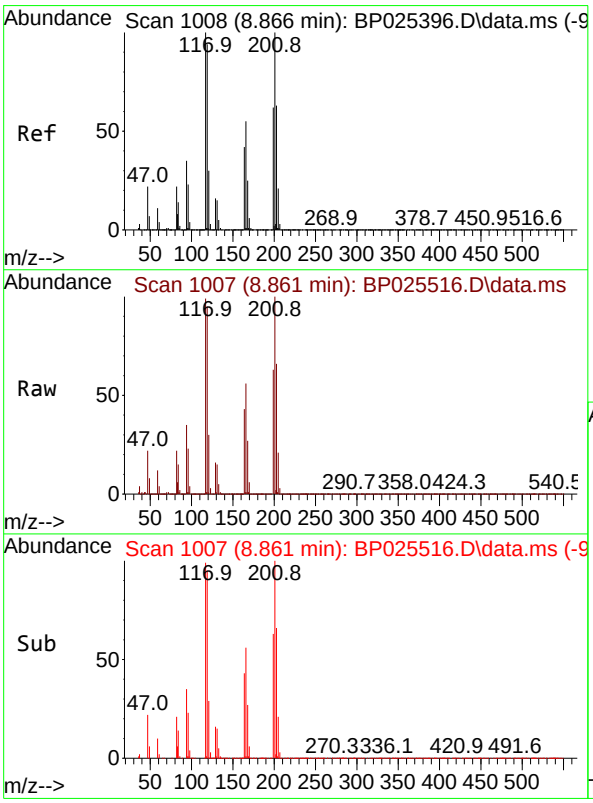
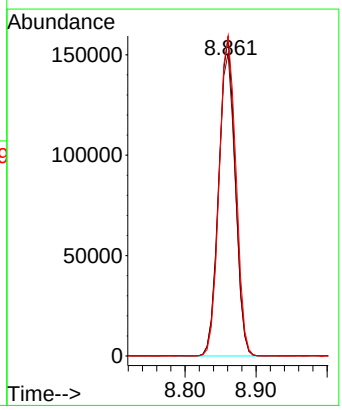
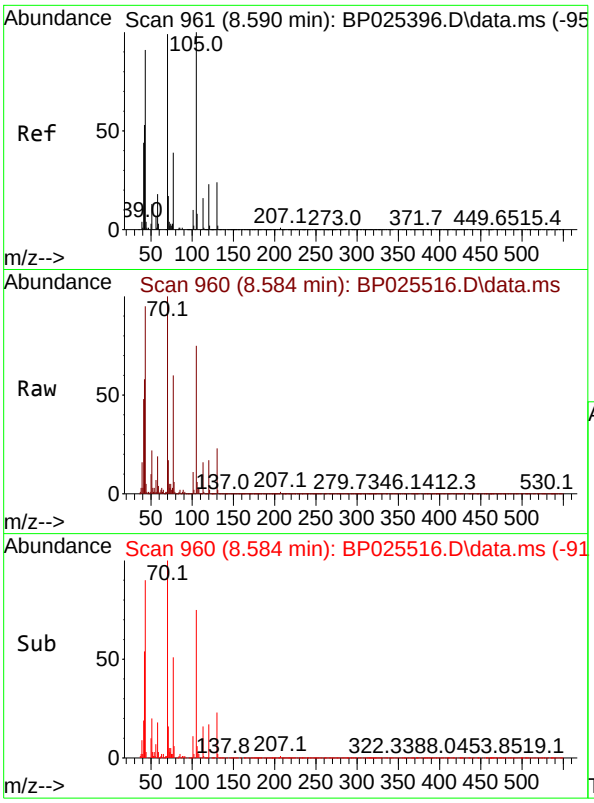


#18
Hexachloroethane
Concen: 45.754 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:117 Resp: 253613

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.1	112.7
201	100.8	80.1	120.1

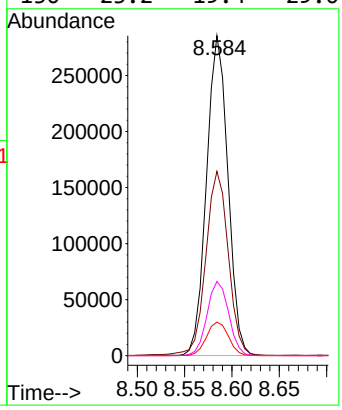




#19
n-Nitroso-di-n-propylamine
Concen: 44.440 ng
RT: 8.584 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 70 Resp: 44735(

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.5	8.5	12.7
130	23.2	19.4	29.0



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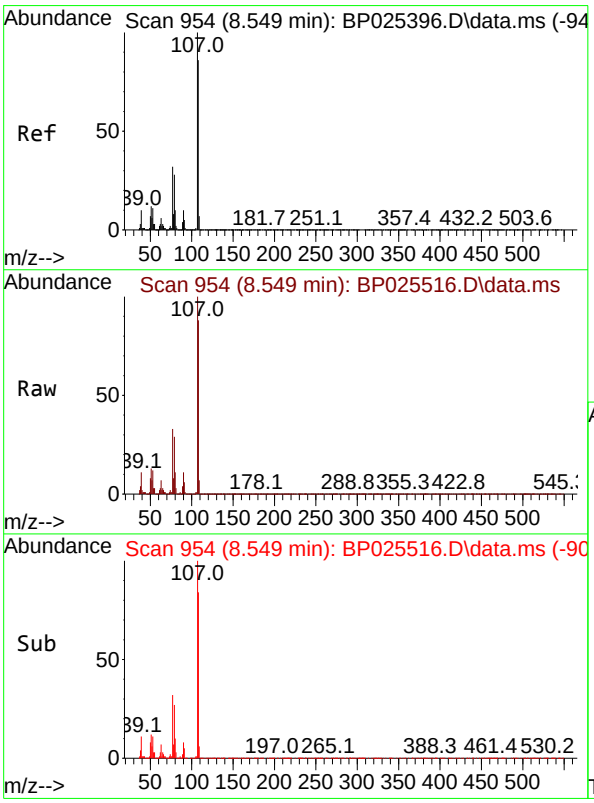
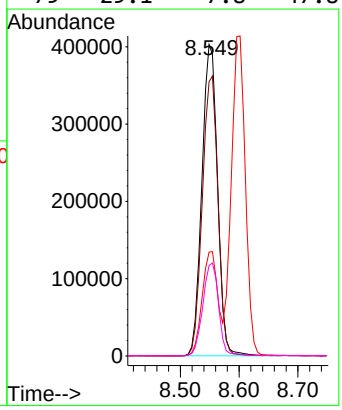
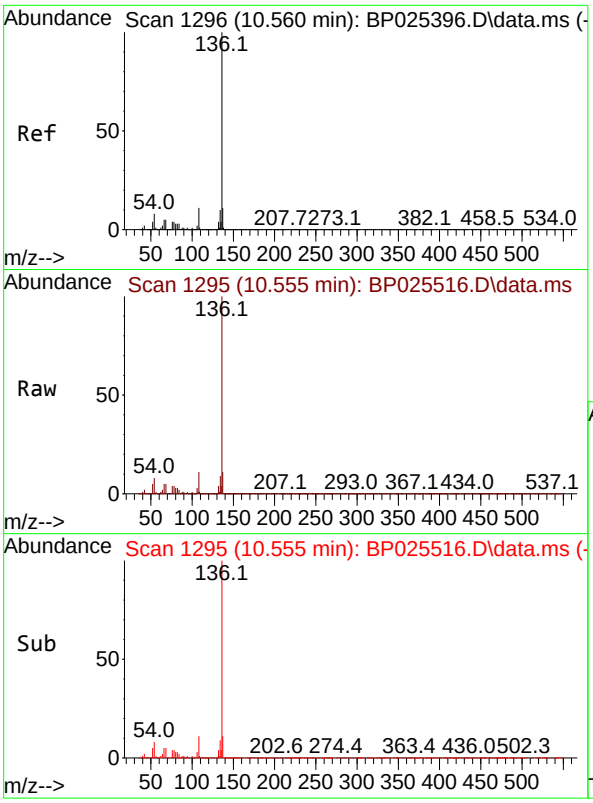


#20
3+4-Methylphenols
Concen: 48.669 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:107 Resp: 747172

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	33.3	12.3	52.3
79	29.1	7.8	47.8

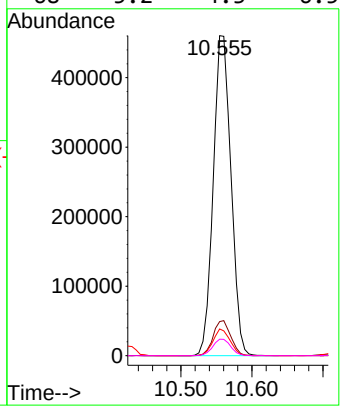




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:136 Resp: 79643

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	8.4	6.0	9.0
68	5.2	4.3	6.5



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ClientSampleId :
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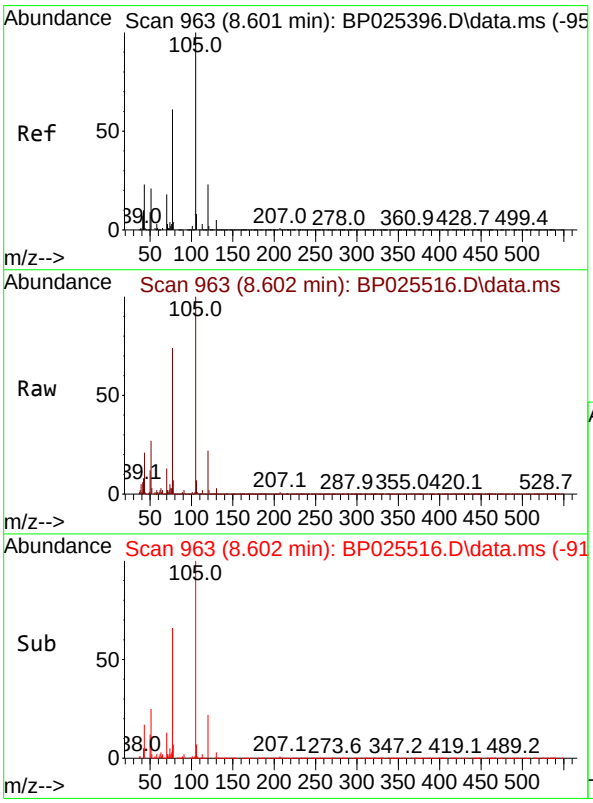
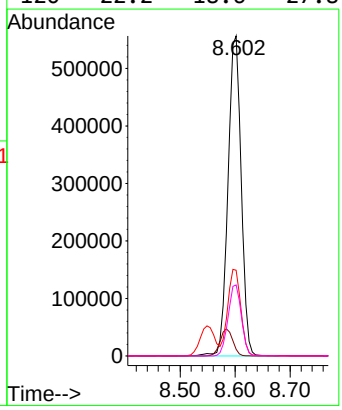
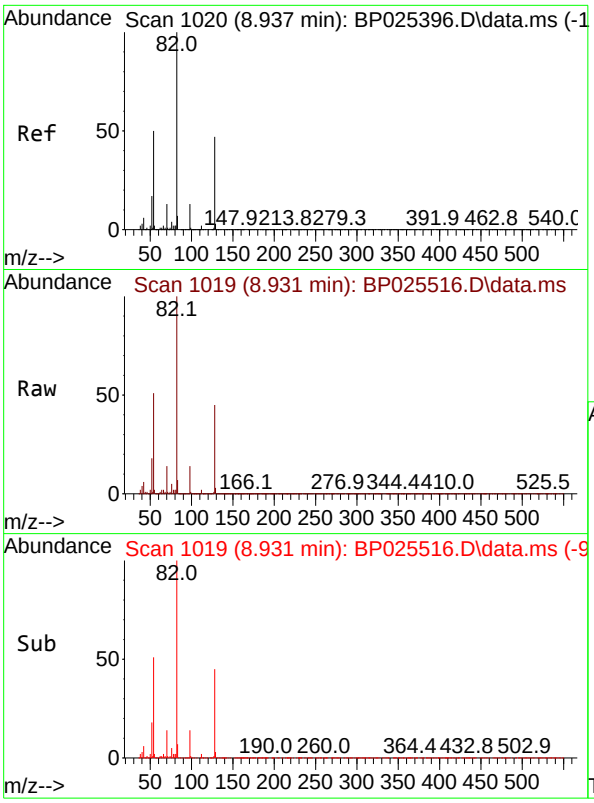


#22
Acetophenone
Concen: 46.348 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:105 Resp: 925700

Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.6	4.0#
51	26.8	20.6	30.8
120	22.2	18.6	27.8

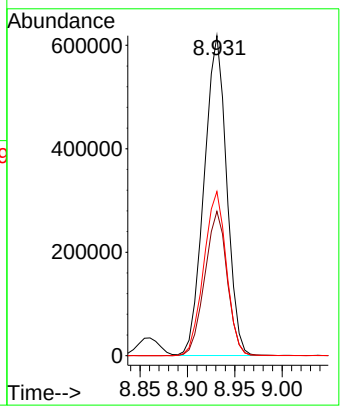




#23
Nitrobenzene-d5
Concen: 65.037 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 82 Resp: 102395

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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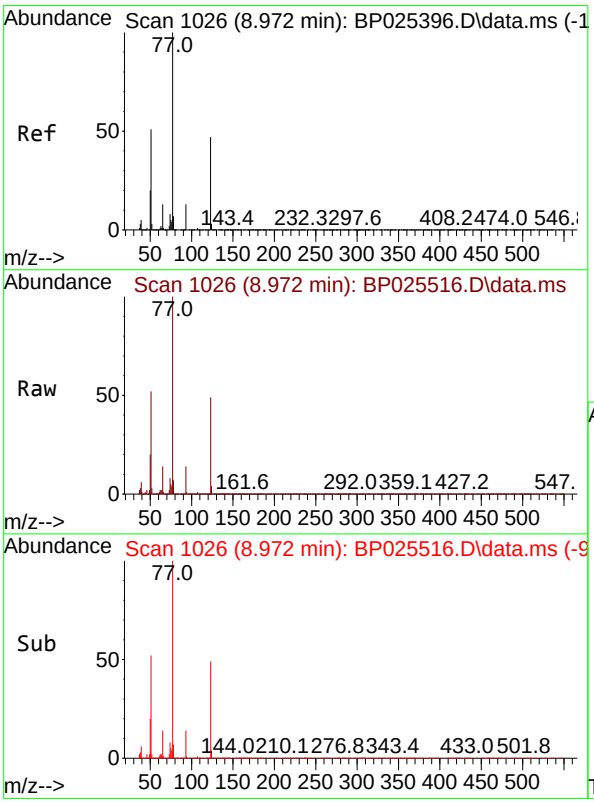
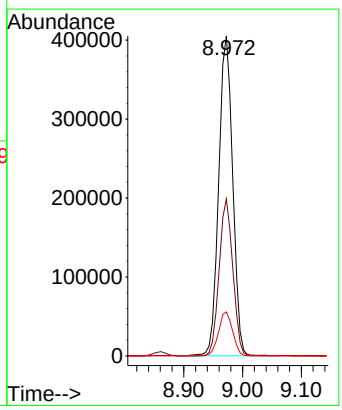
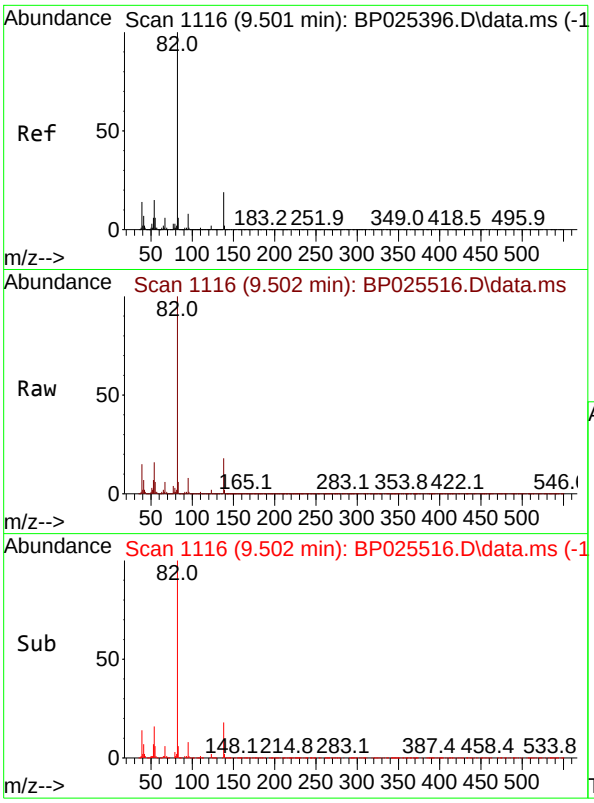


#24
Nitrobenzene
Concen: 47.583 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 77 Resp: 669544

Ion	Ratio	Lower	Upper
77	100		
123	49.1	38.6	58.0
65	13.8	10.6	15.8

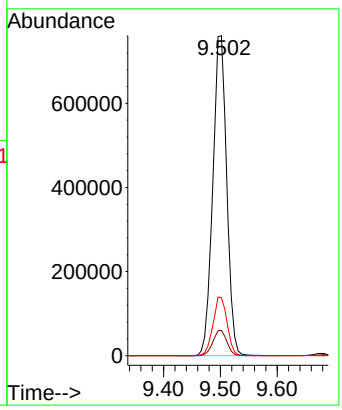




#25
Isophorone
Concen: 46.346 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 82 Resp: 129134

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.1	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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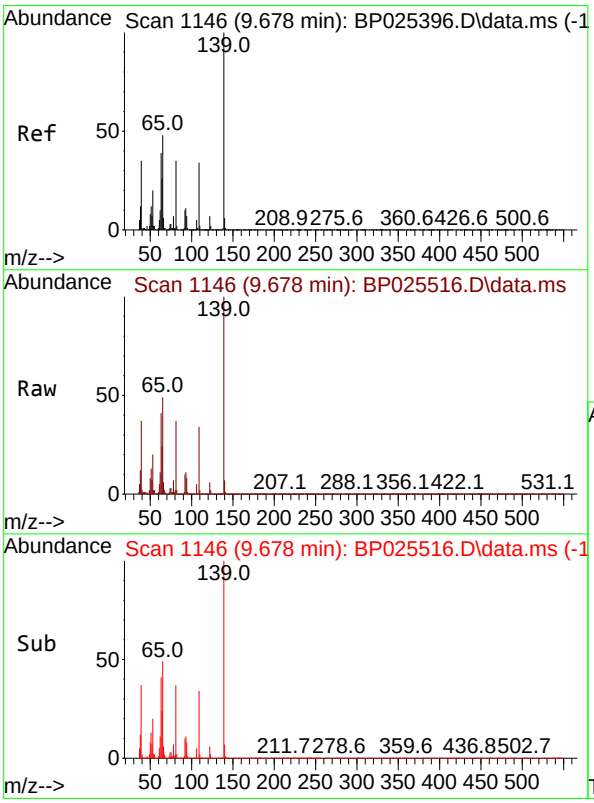
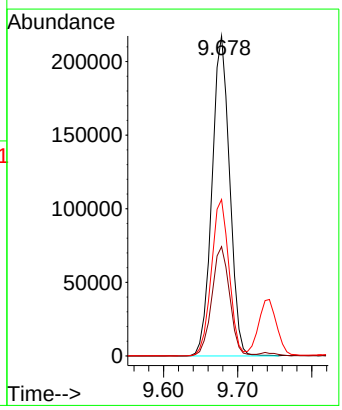
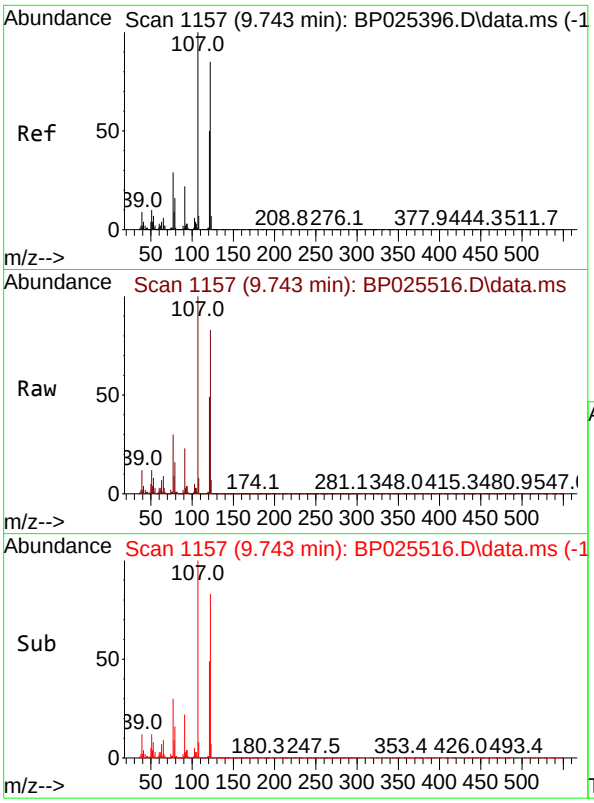


#26
2-Nitrophenol
Concen: 49.729 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:139 Resp: 359110

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.9	40.3
65	48.9	38.3	57.5

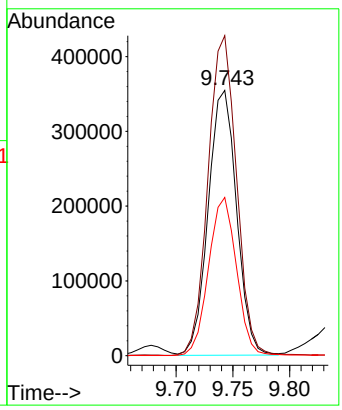




#27
2,4-Dimethylphenol
Concen: 49.605 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:122 Resp: 61602

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	59.7	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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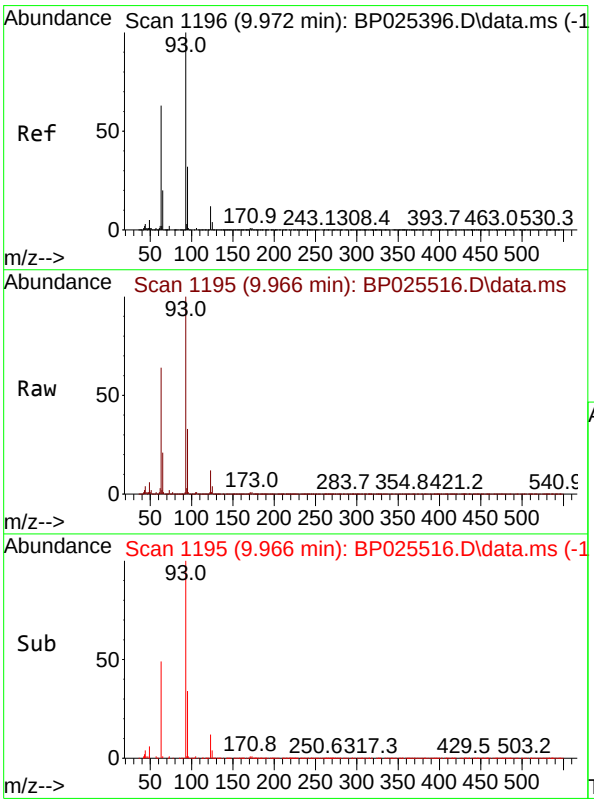
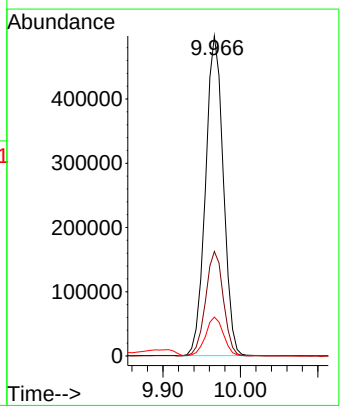
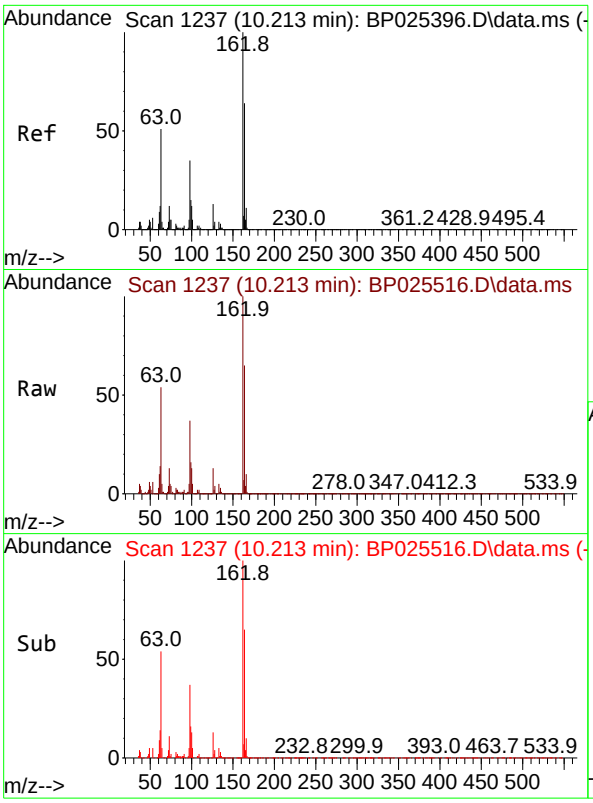


#28
bis(2-Chloroethoxy)methane
Concen: 47.040 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 93 Resp: 792282

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	12.2	9.4	14.0

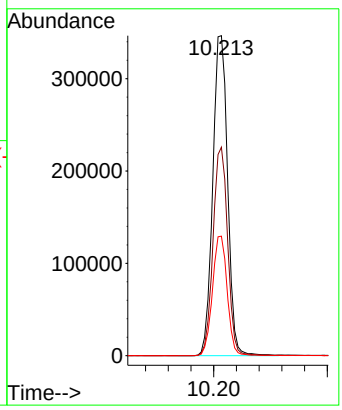




#29
2,4-Dichlorophenol
Concen: 51.032 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:162 Resp: 62955

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.4	84.4
98	37.4	14.9	54.9



Instrument :
BNA_P
ClientSampleId :
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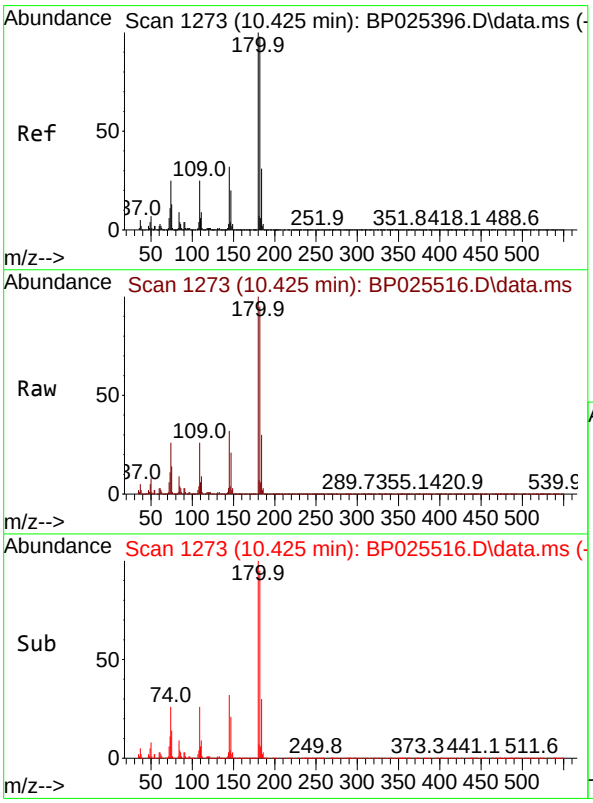
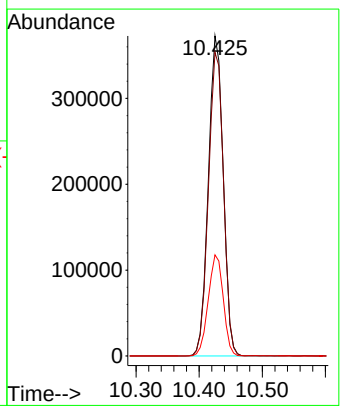
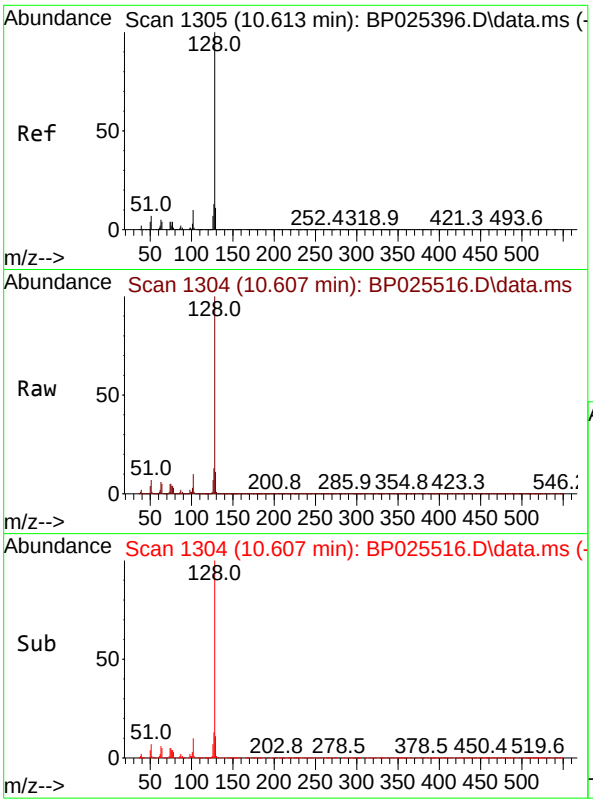


#30
1,2,4-Trichlorobenzene
Concen: 44.974 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:180 Resp: 608202

Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.0	117.0
145	31.6	25.9	38.9

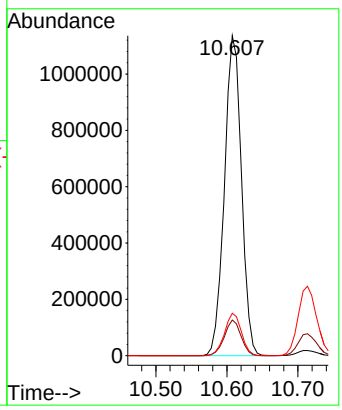




#31
Naphthalene
Concen: 45.625 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:128 Resp: 188865

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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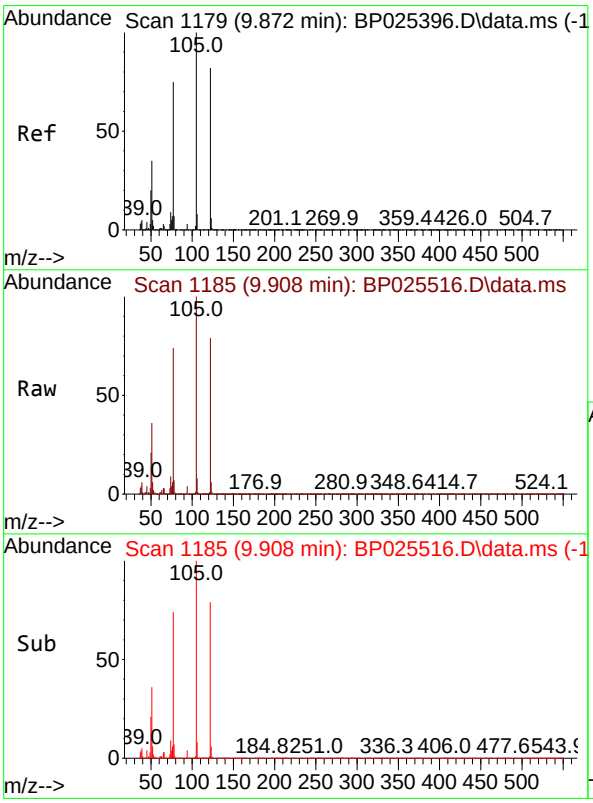
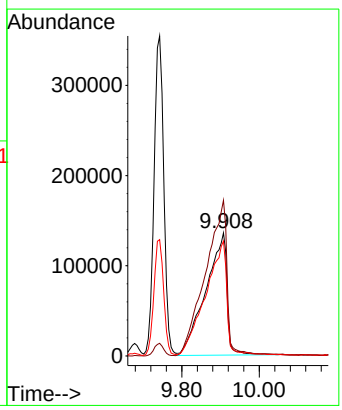
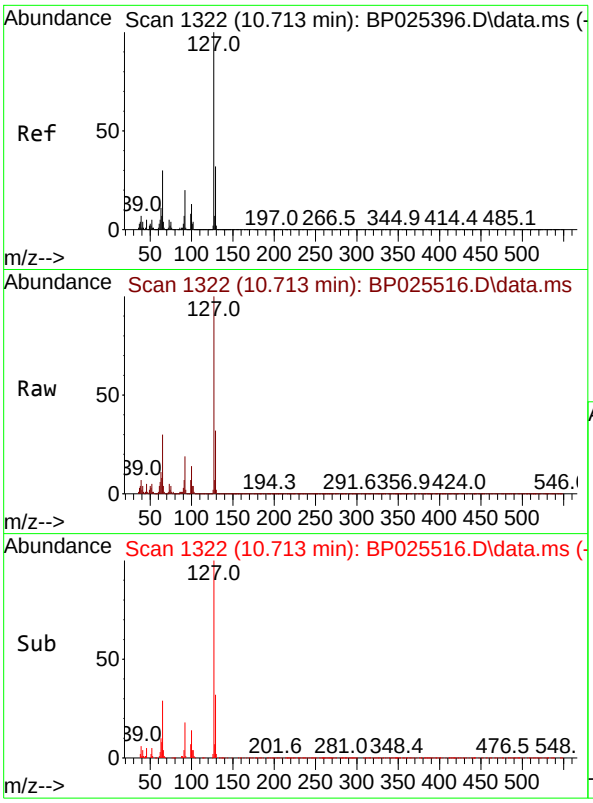


#32
Benzoic acid
Concen: 56.224 ng
RT: 9.908 min Scan# 1185
Delta R.T. 0.035 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:122 Resp: 515480

Ion	Ratio	Lower	Upper
122	100		
105	126.5	100.6	140.6
77	93.3	71.5	111.5

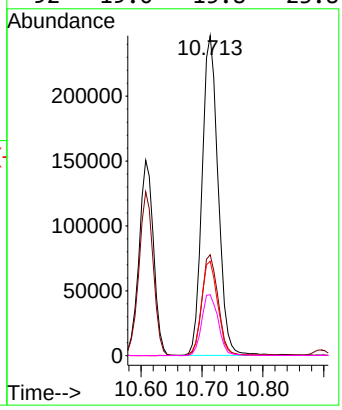




#33
4-Chloroaniline
Concen: 24.662 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:127 Resp: 45095

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	29.5	23.8	35.6
92	19.0	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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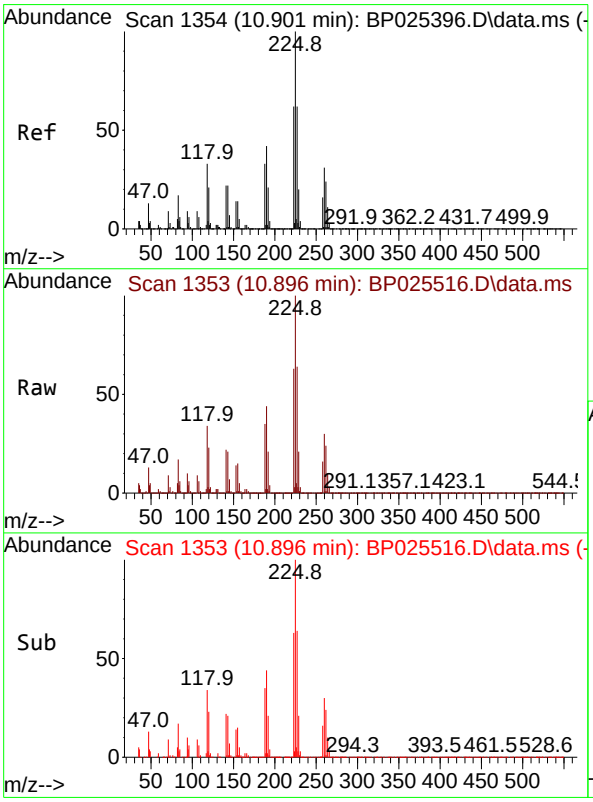
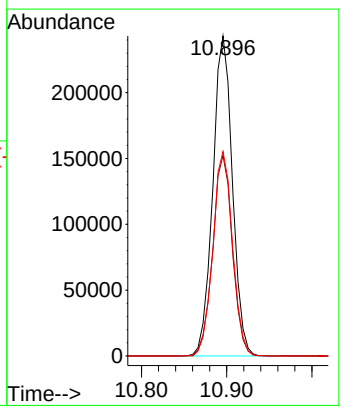
Supervised By :Jagrut Upadhyay 08/21/2025

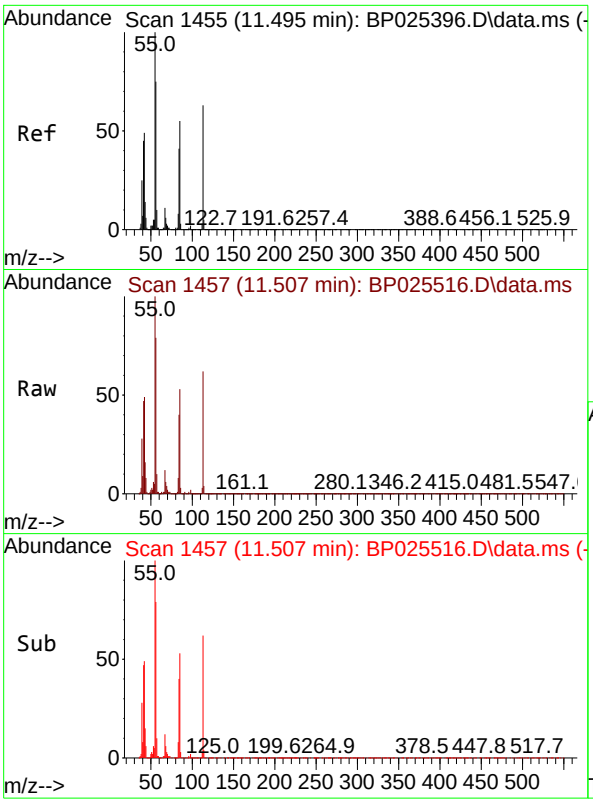


#34
Hexachlorobutadiene
Concen: 46.148 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:225 Resp: 388664

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.0	75.0
227	63.9	49.7	74.5

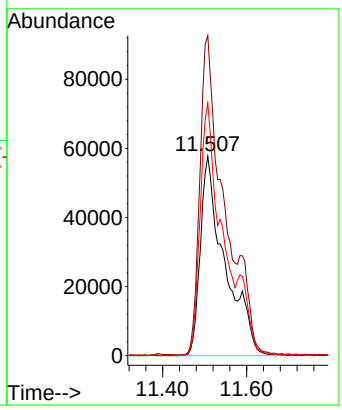




#35
Caprolactam
Concen: 51.624 ng m
RT: 11.507 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:113 Resp: 23352

Ion	Ratio	Lower	Upper
113	100		
55	160.5	140.0	180.0
56	126.7	100.0	140.0



Instrument :
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ClientSampleId :
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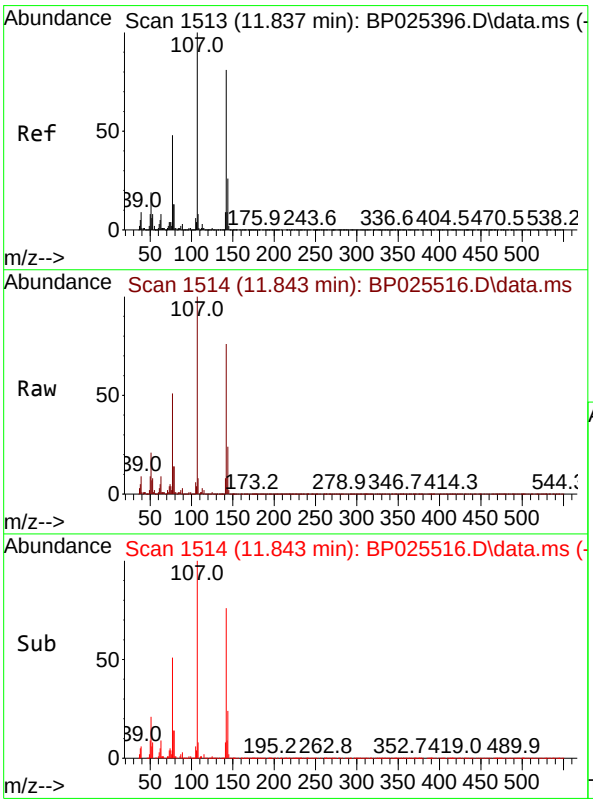
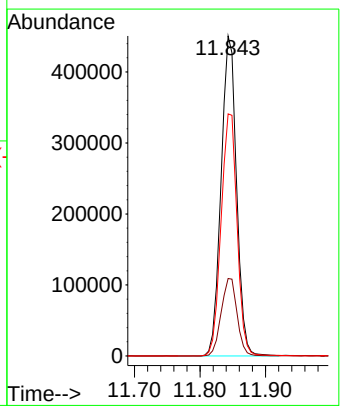
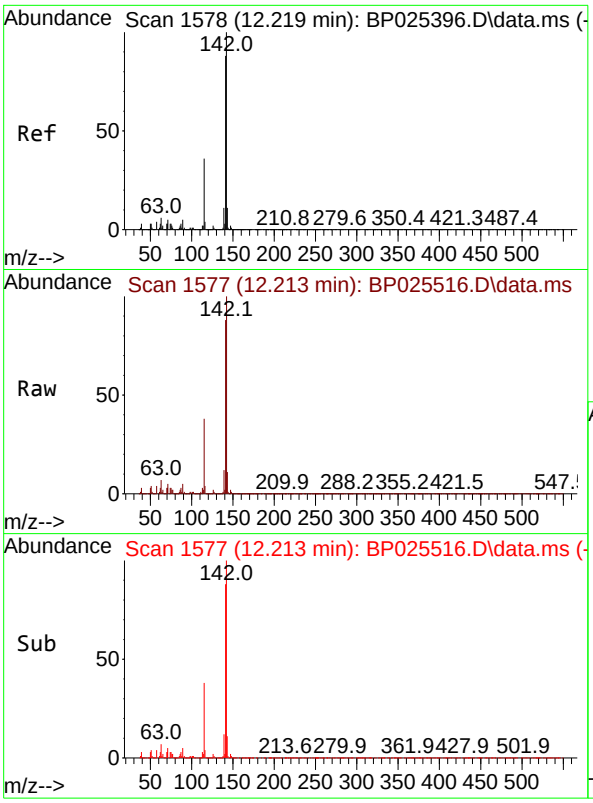


#36
4-Chloro-3-methylphenol
Concen: 51.912 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:107 Resp: 734853

Ion	Ratio	Lower	Upper
107	100		
144	24.2	21.0	31.4
142	75.7	64.6	97.0

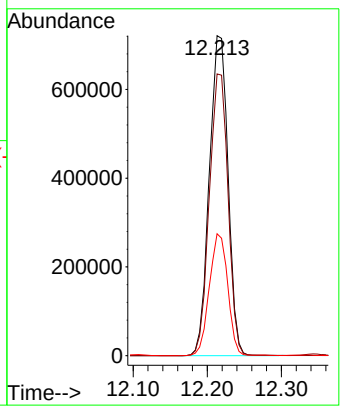




#37
2-Methylnaphthalene
Concen: 46.913 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:142 Resp: 126378

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	38.1	28.9	43.3



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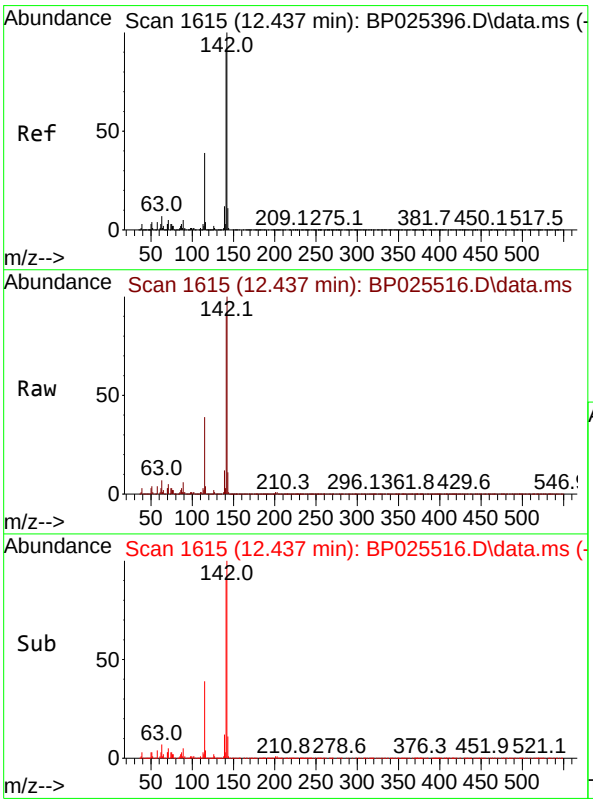
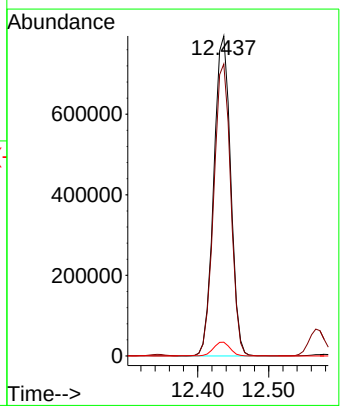
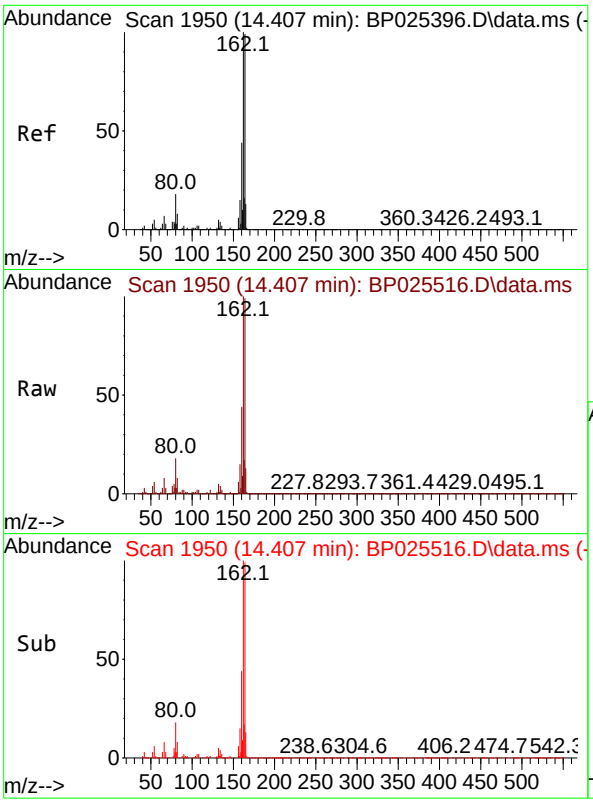


#38
1-Methylnaphthalene
Concen: 45.474 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:142 Resp: 1302740

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7
116	4.3	3.2	4.8

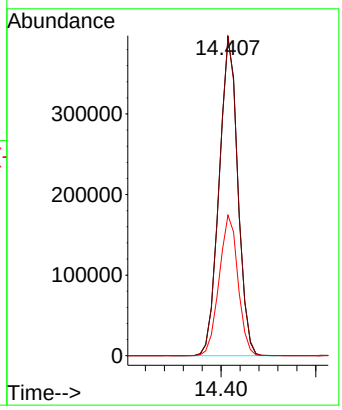




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:164 Resp: 54239

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.0	121.6
160	44.3	35.4	53.2



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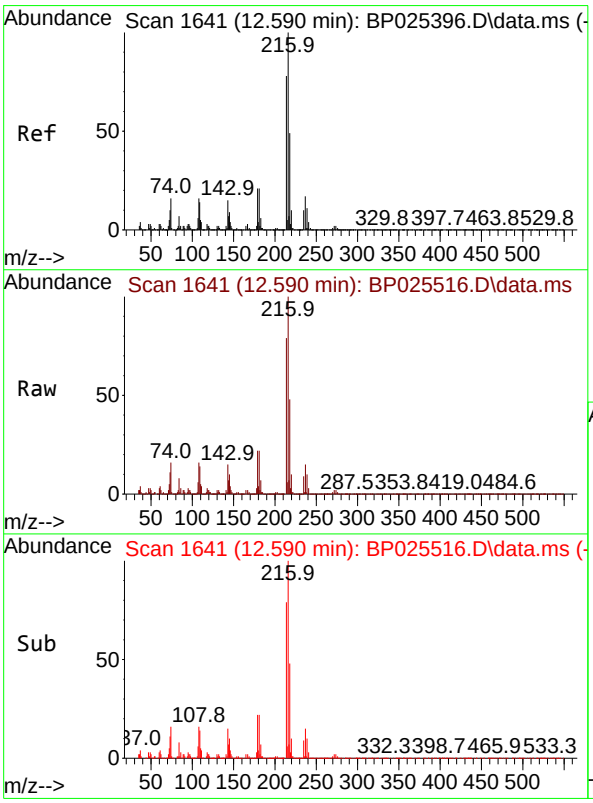
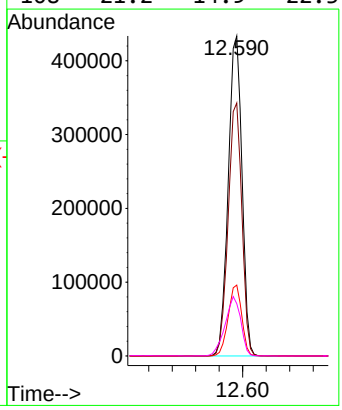
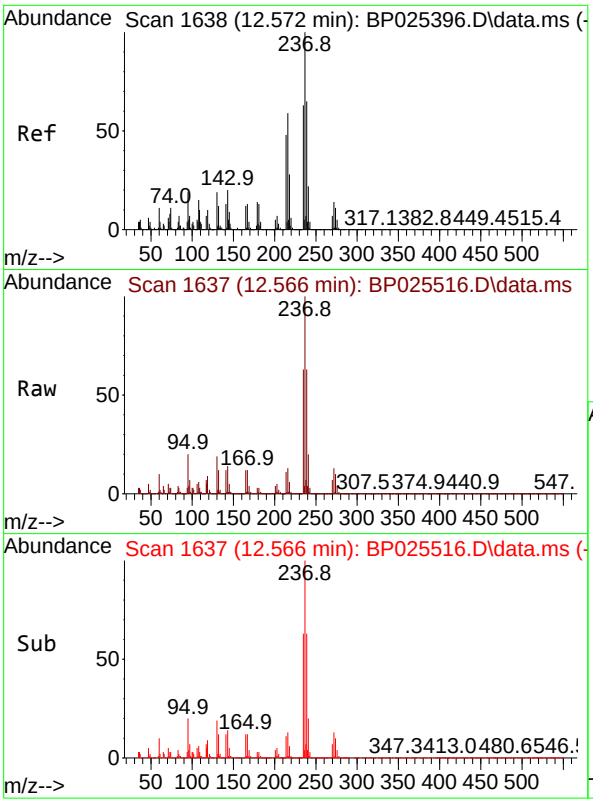


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.877 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:216 Resp: 702998

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.9	17.1	25.7
108	21.2	14.9	22.3

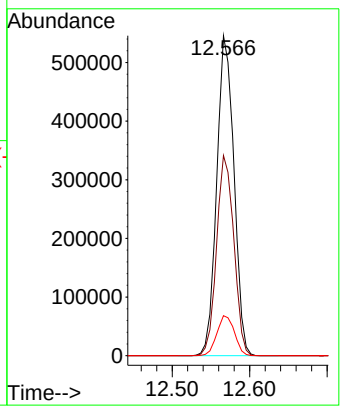




#41
Hexachlorocyclopentadiene
Concen: 89.262 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:237 Resp: 84461

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.7	82.7
272	12.5	0.0	34.0



Instrument :
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ClientSampleId :
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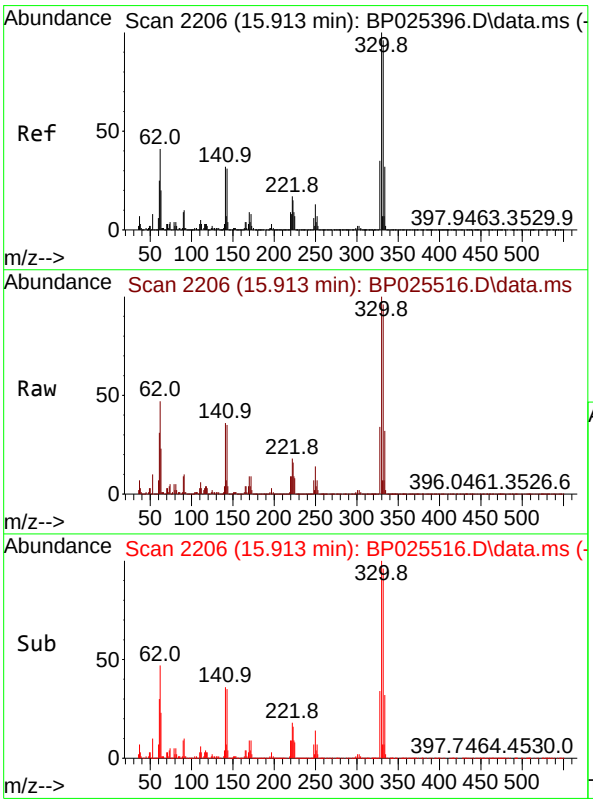
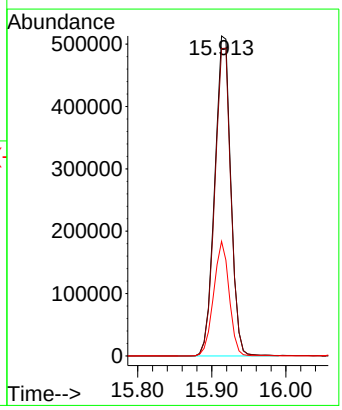
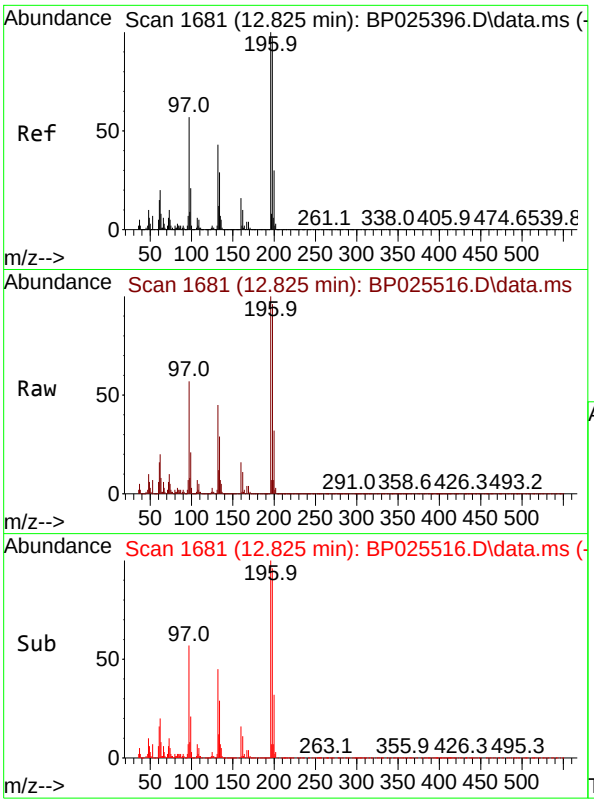


#42
2,4,6-Tribromophenol
Concen: 105.692 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:330 Resp: 771618

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.6	26.6	39.8

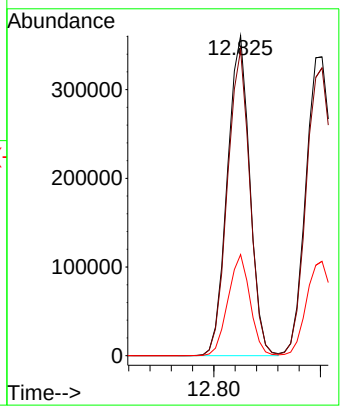




#43
2,4,6-Trichlorophenol
Concen: 50.034 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:196 Resp: 52913

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.2	115.8
200	31.6	23.9	35.9



Instrument :
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ClientSampleId :
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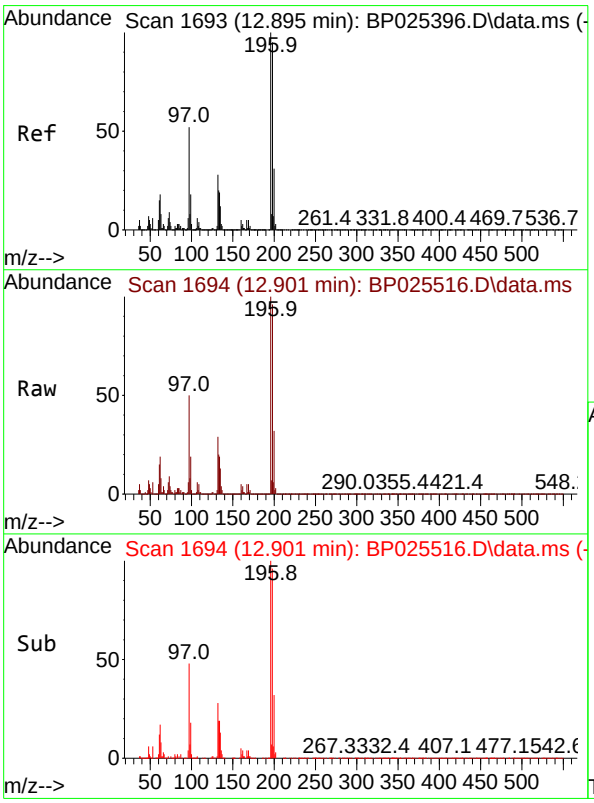
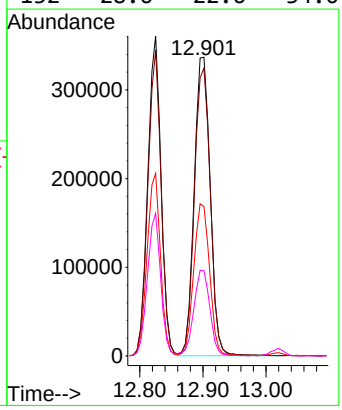
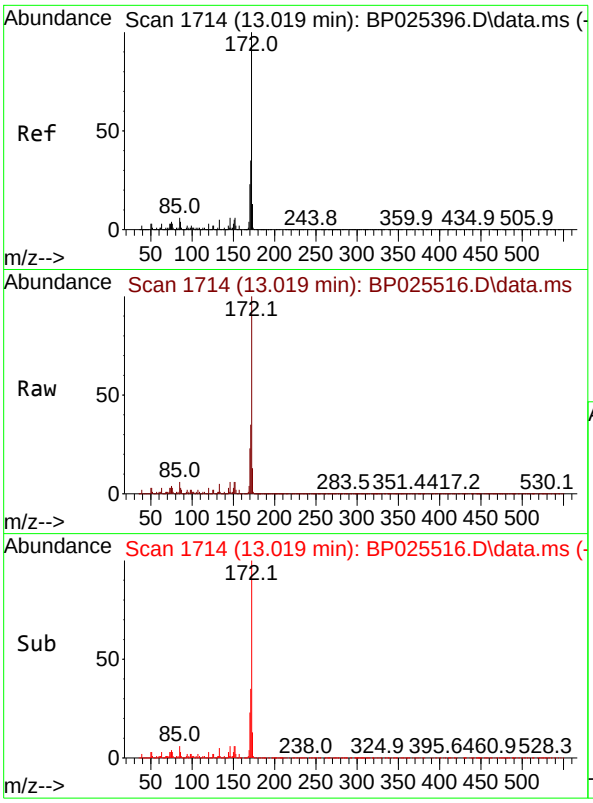


#44
2,4,5-Trichlorophenol
Concen: 51.115 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:196 Resp: 592451

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	50.0	41.2	61.8
132	28.6	22.6	34.0

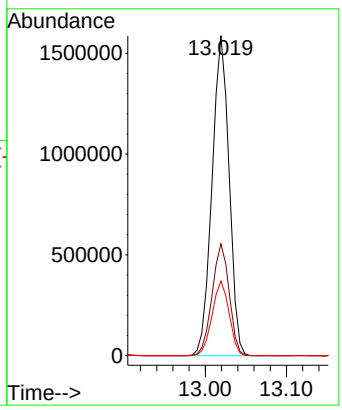




#45
2-Fluorobiphenyl
Concen: 58.451 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:172 Resp: 231971

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.3	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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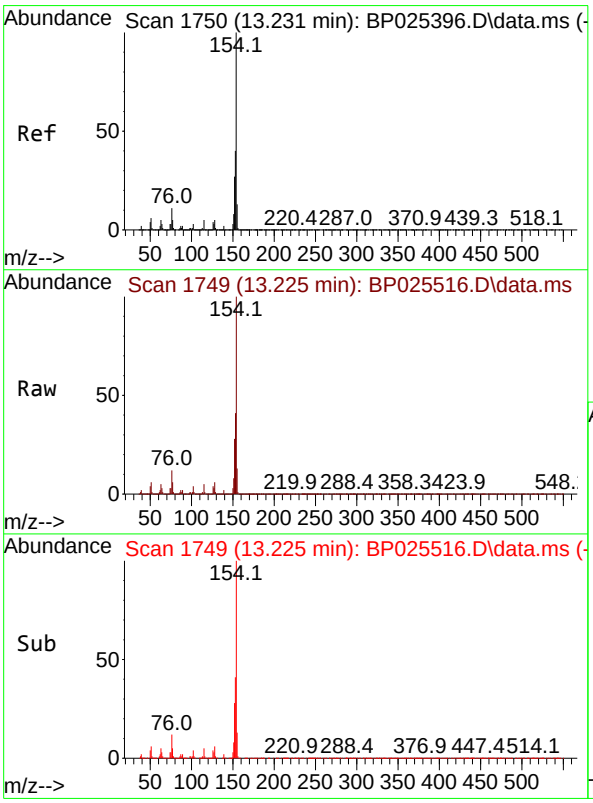
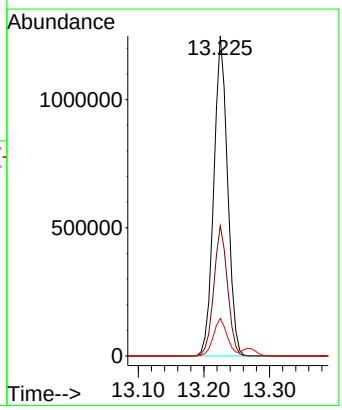
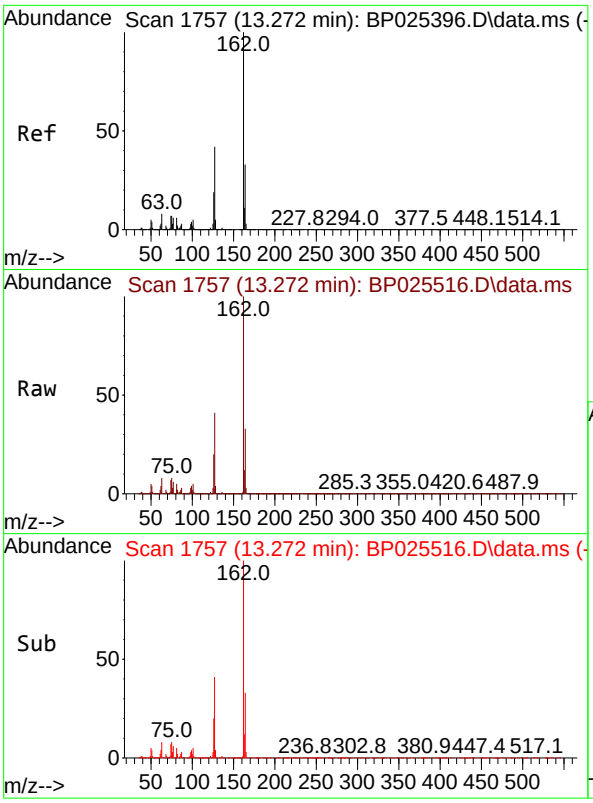


#46
1,1'-Biphenyl
Concen: 46.123 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:154 Resp: 1816843

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	11.7	0.0	31.1

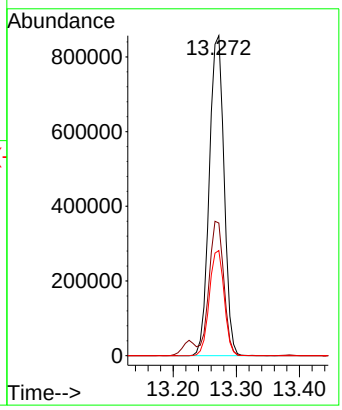




#47
2-Chloronaphthalene
Concen: 45.407 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:162 Resp: 139244

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.8	26.2	39.2



Instrument :
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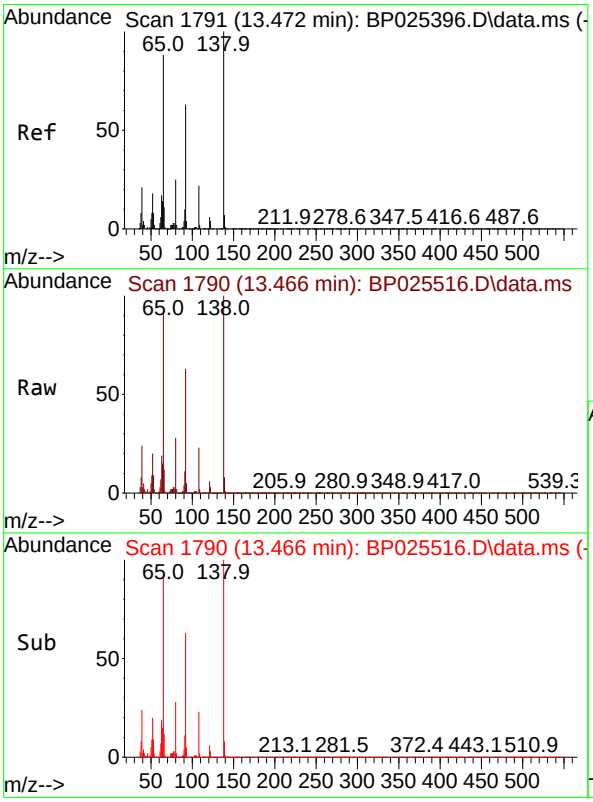
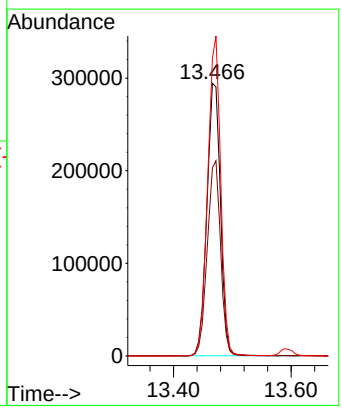
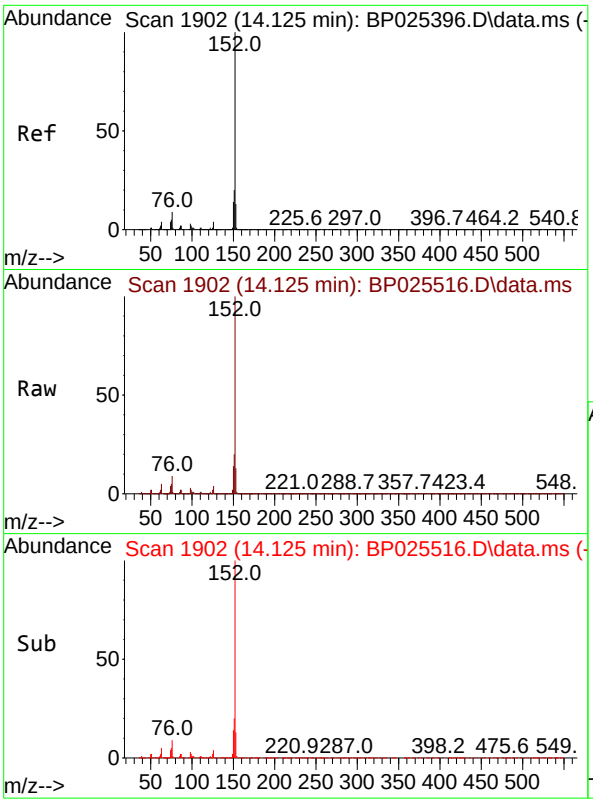


#48
2-Nitroaniline
Concen: 52.709 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 65 Resp: 470973

Ion	Ratio	Lower	Upper
65	100		
92	69.0	57.6	86.4
138	109.2	91.0	136.6

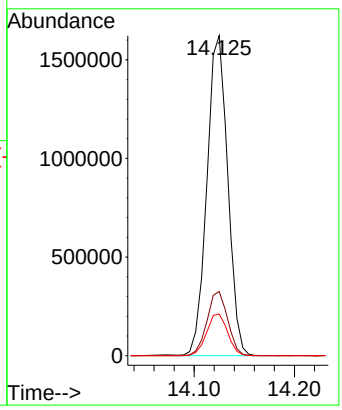




#49
Acenaphthylene
Concen: 46.035 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:152 Resp: 233596

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8



Instrument :
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ClientSampleId :
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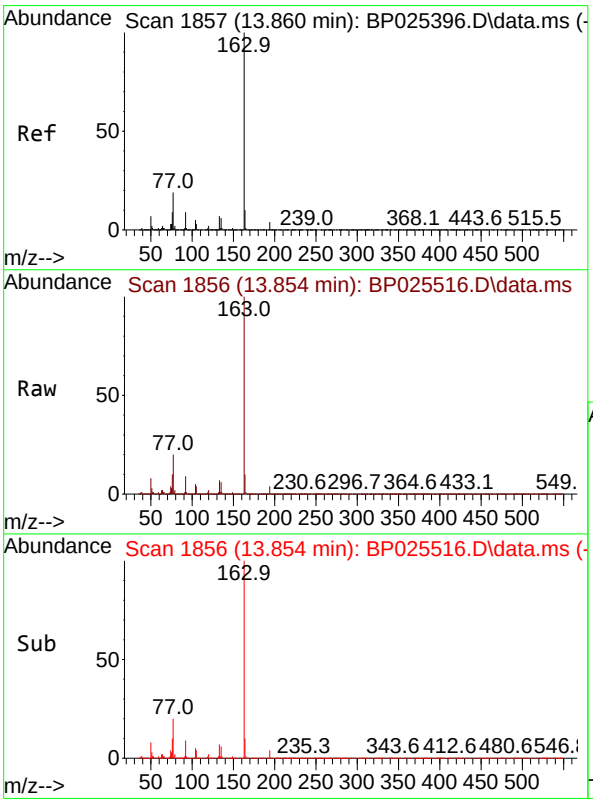
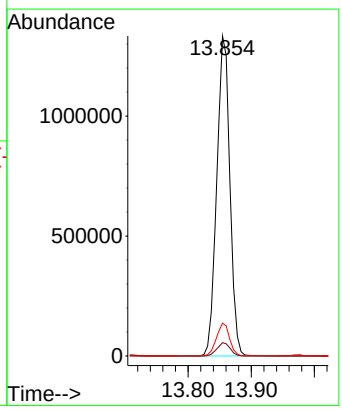
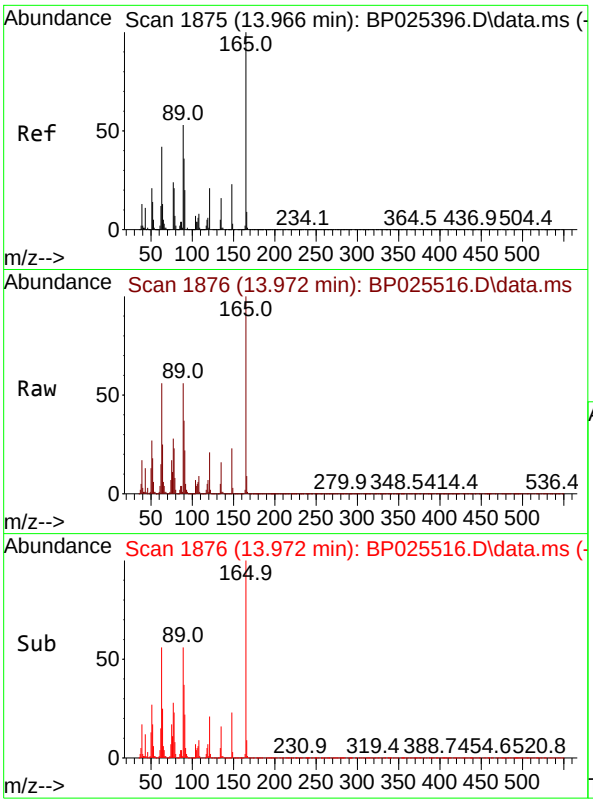


#50
Dimethylphthalate
Concen: 48.428 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:163 Resp: 1923497

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	7.9	11.9

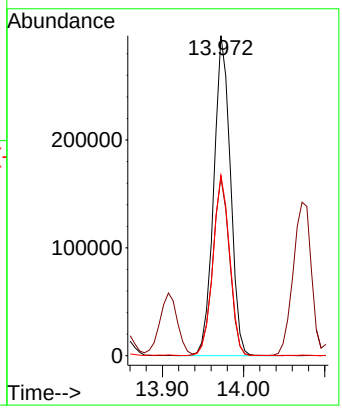




#51
2,6-Dinitrotoluene
Concen: 50.571 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:165 Resp: 42335

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	56.3	42.1	63.1



Instrument :
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ClientSampleId :
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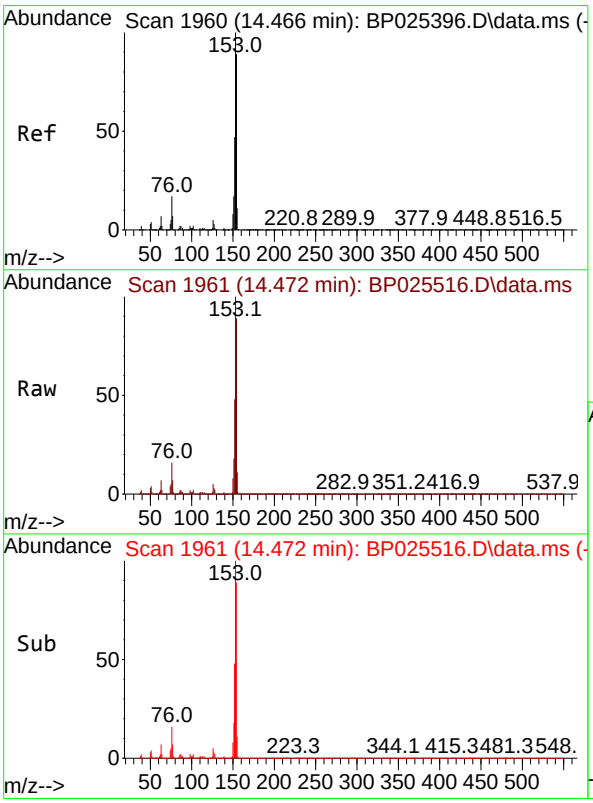
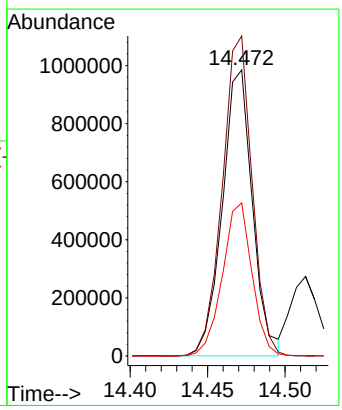
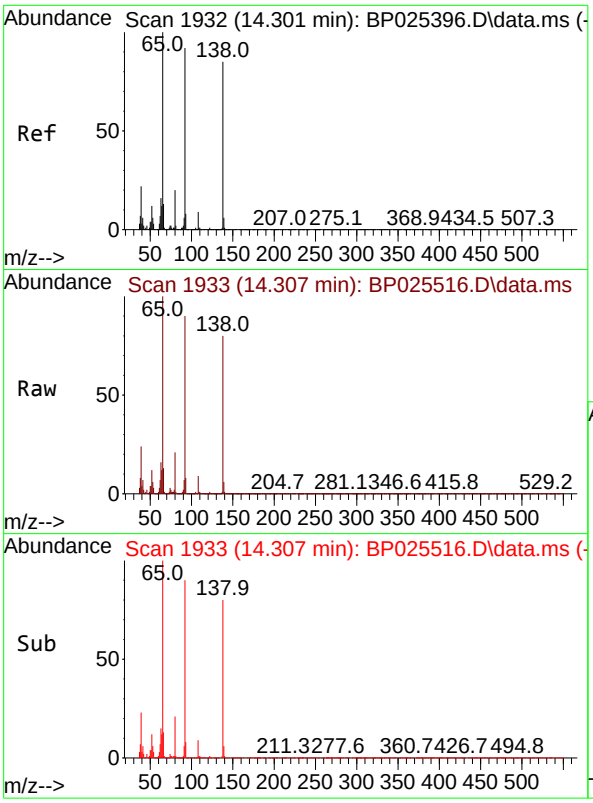


#52
Acenaphthene
Concen: 44.762 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:154 Resp: 1333260

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.6	42.1	63.1





#53
3-Nitroaniline
Concen: 32.515 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:138 Resp: 30625

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.3	12.5
92	112.4	86.2	129.2

Instrument :
BNA_P
ClientSampleId :
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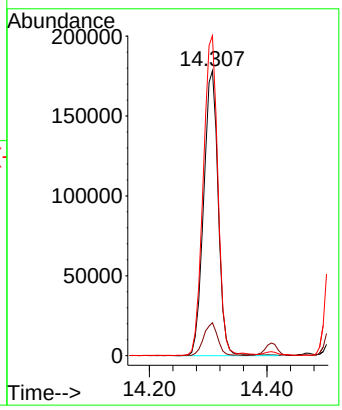
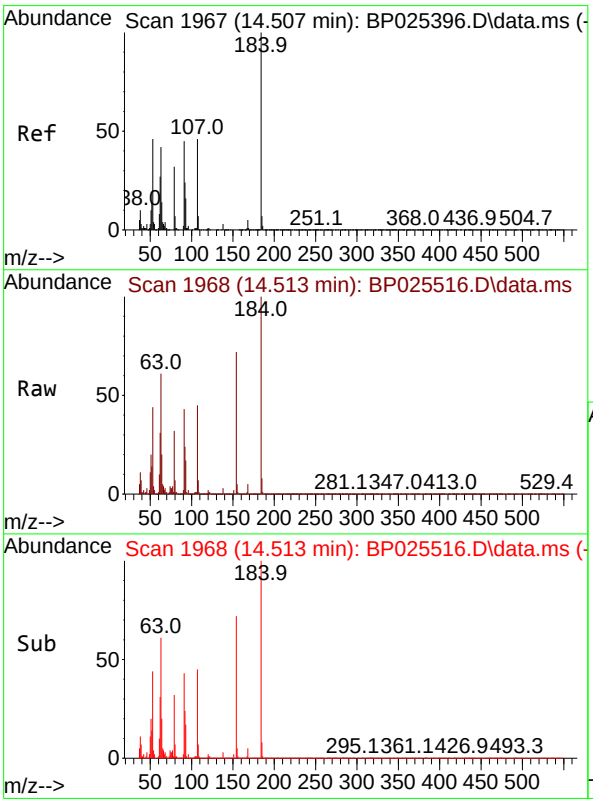
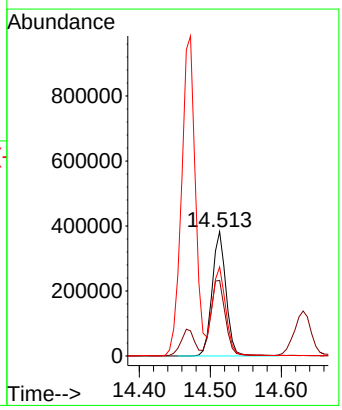


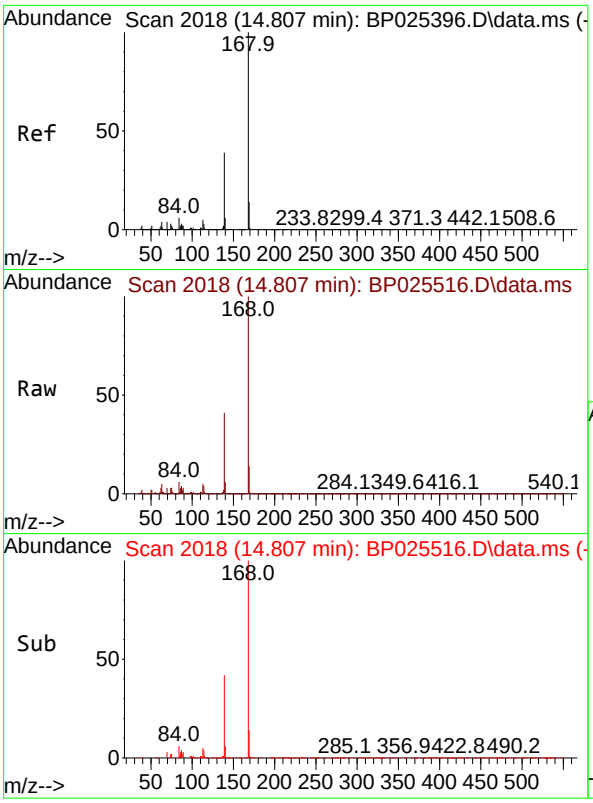


#54
2,4-Dinitrophenol
Concen: 115.933 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:184 Resp: 518294

Ion	Ratio	Lower	Upper
184	100		
63	60.8	49.4	74.2
154	71.5	54.6	82.0

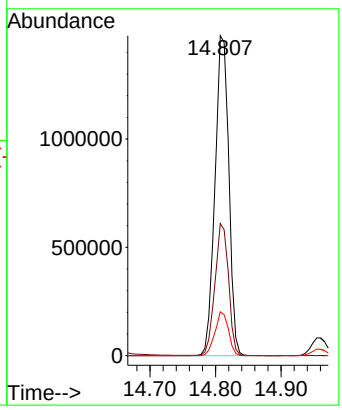




#55
Dibenzofuran
Concen: 45.760 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:168 Resp: 215490

Ion	Ratio	Lower	Upper
168	100		
139	41.3	31.5	47.3
169	13.7	10.9	16.3



Instrument :
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ClientSampleId :
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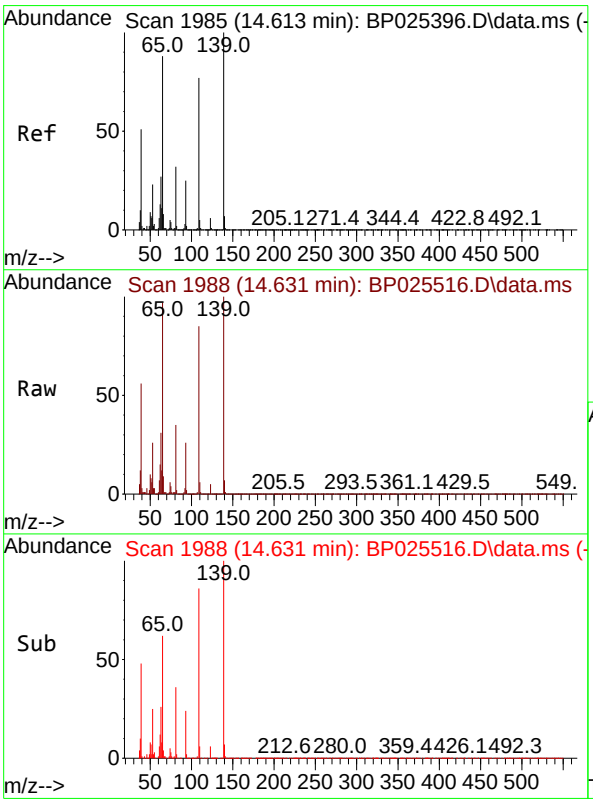
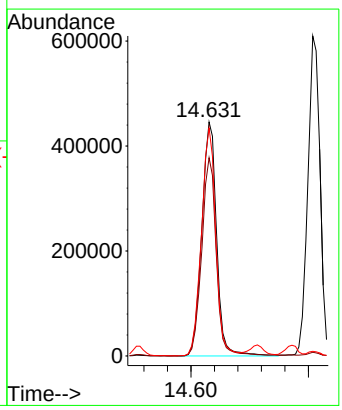
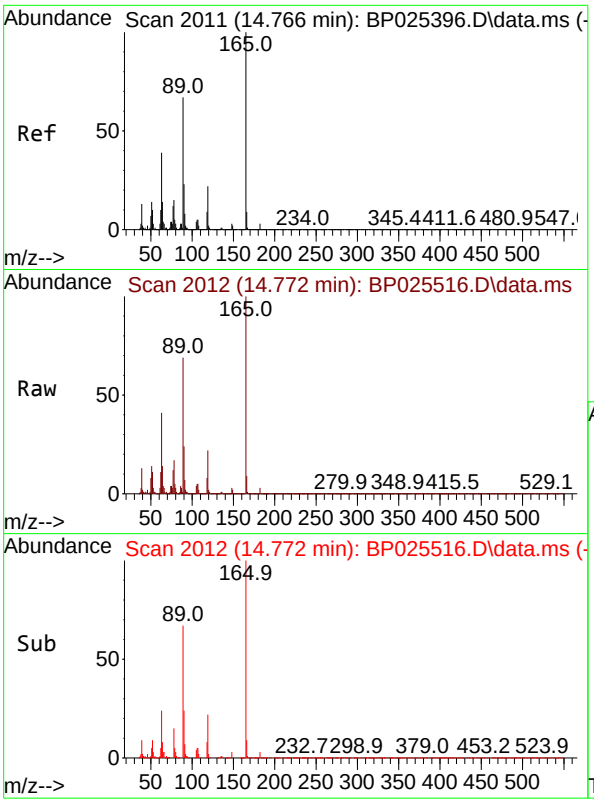


#56
4-Nitrophenol
Concen: 100.749 ng
RT: 14.631 min Scan# 1988
Delta R.T. 0.018 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:139 Resp: 779771

Ion	Ratio	Lower	Upper
139	100		
109	84.8	56.6	96.6
65	97.4	68.2	108.2

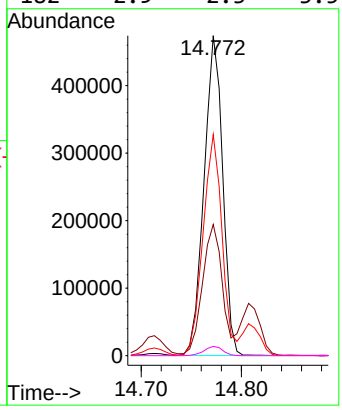




#57
2,4-Dinitrotoluene
Concen: 51.453 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:165 Resp: 61456

Ion	Ratio	Lower	Upper
165	100		
63	41.0	31.4	47.2
89	69.1	53.3	79.9
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
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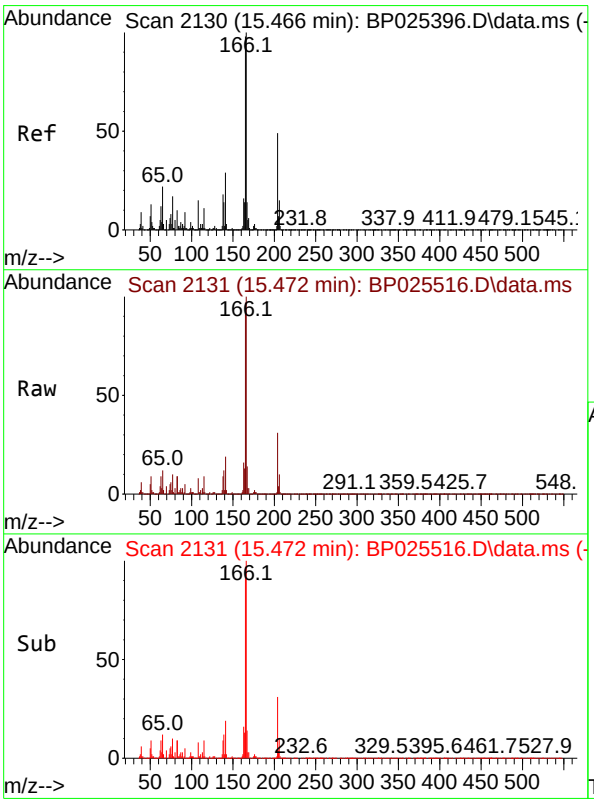
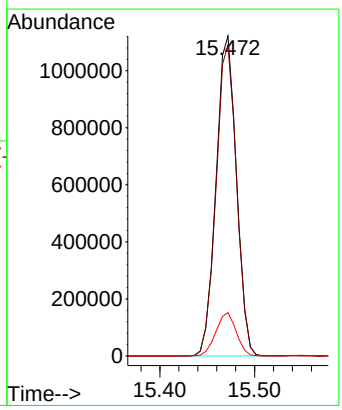
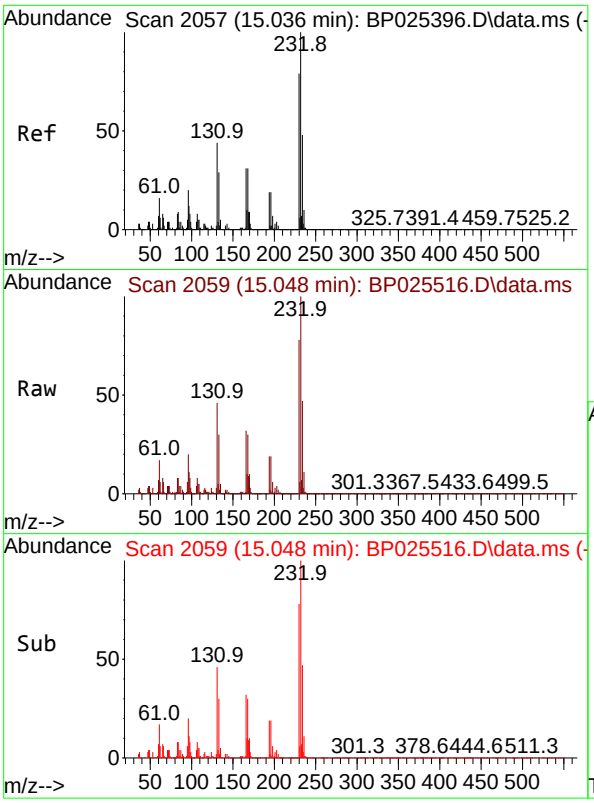


#58
Fluorene
Concen: 45.238 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:166 Resp: 1680951

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.8	118.2
167	13.6	11.0	16.4

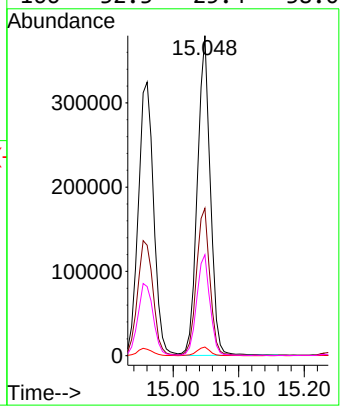




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.862 ng
RT: 15.048 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:232 Resp: 52053

Ion	Ratio	Lower	Upper
232	100		
131	47.7	37.0	55.6
130	2.6	1.9	2.9
166	32.3	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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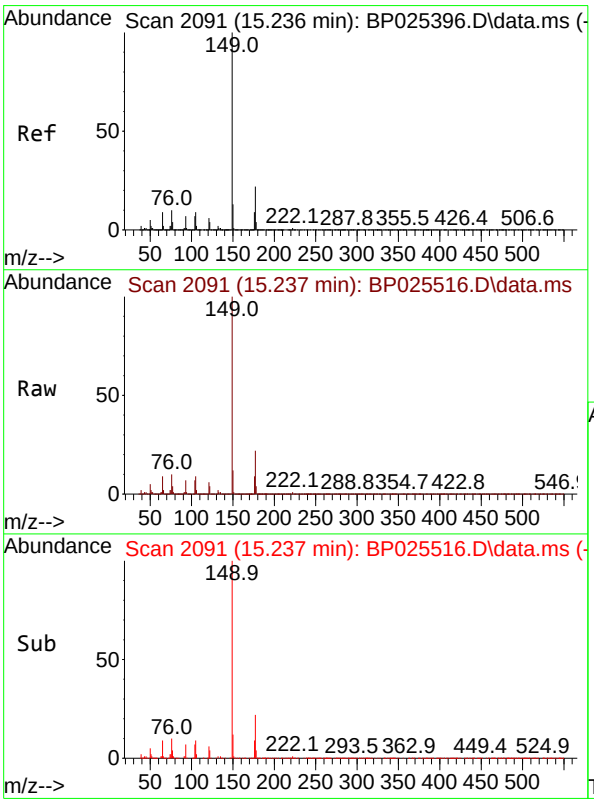
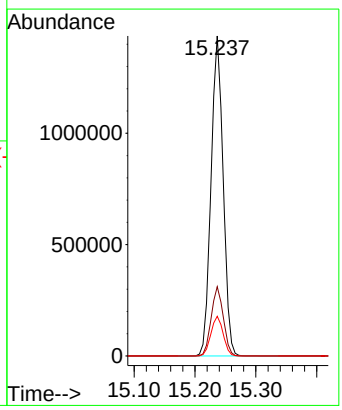
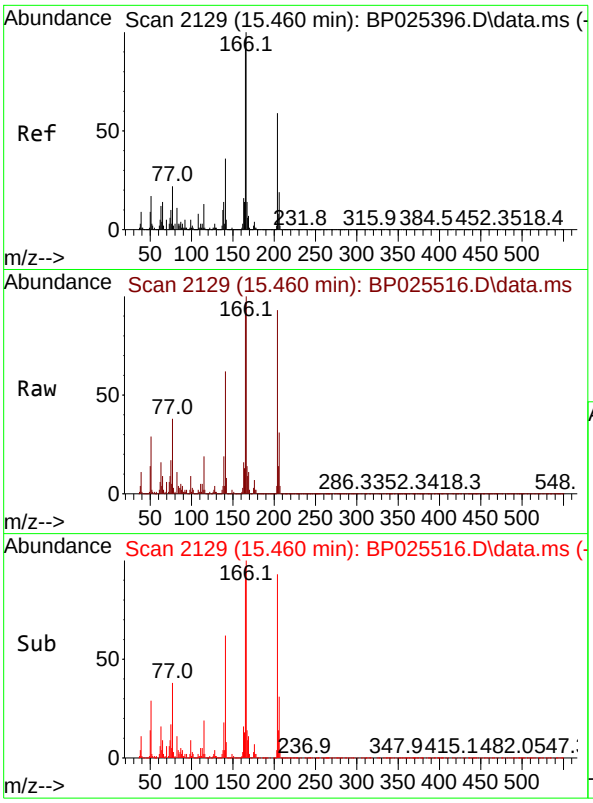


#60
Diethylphthalate
Concen: 49.161 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1984056

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.4	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 44.976 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:204 Resp: 83115

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.8
141	66.4	49.4	74.2

Instrument :
BNA_P
ClientSampleId :
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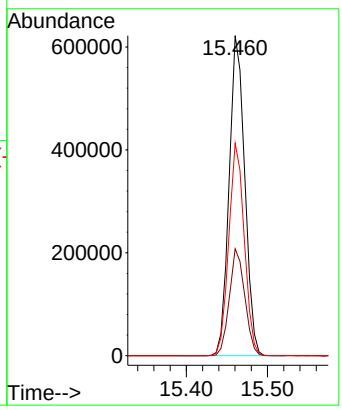
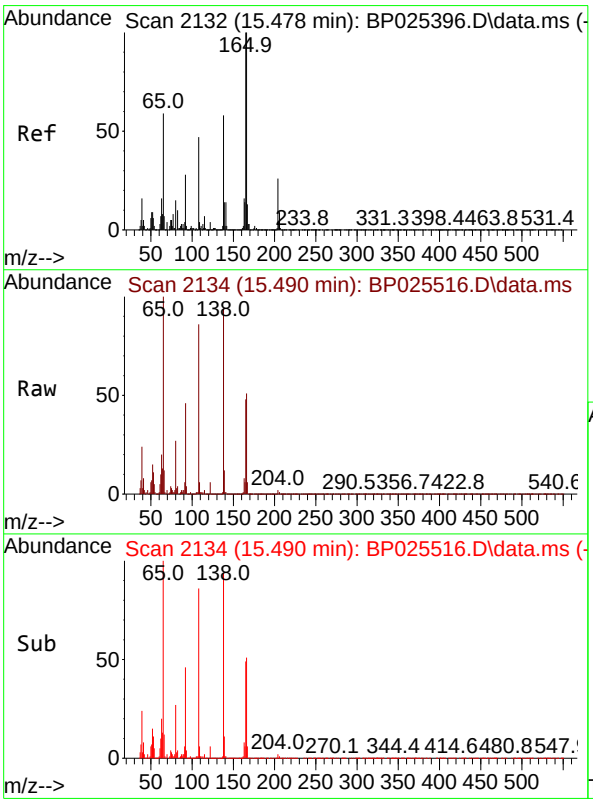
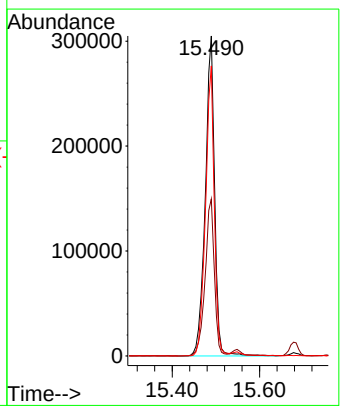


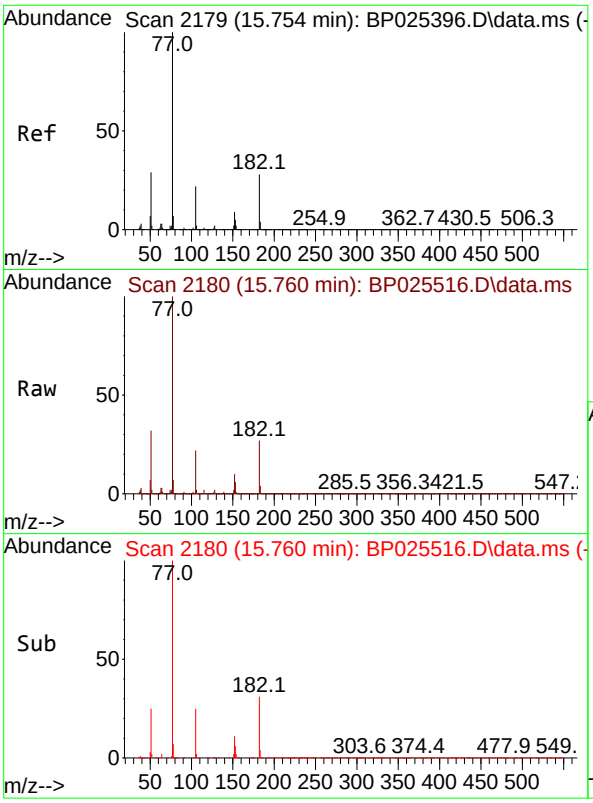


#62
4-Nitroaniline
Concen: 47.037 ng
RT: 15.490 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:138 Resp: 454185

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	90.7	61.5	101.5

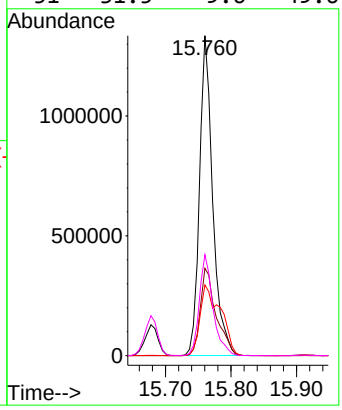




#63
Azobenzene
Concen: 54.357 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 77 Resp: 187842

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.5	47.5
105	22.1	2.1	42.1
51	31.5	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
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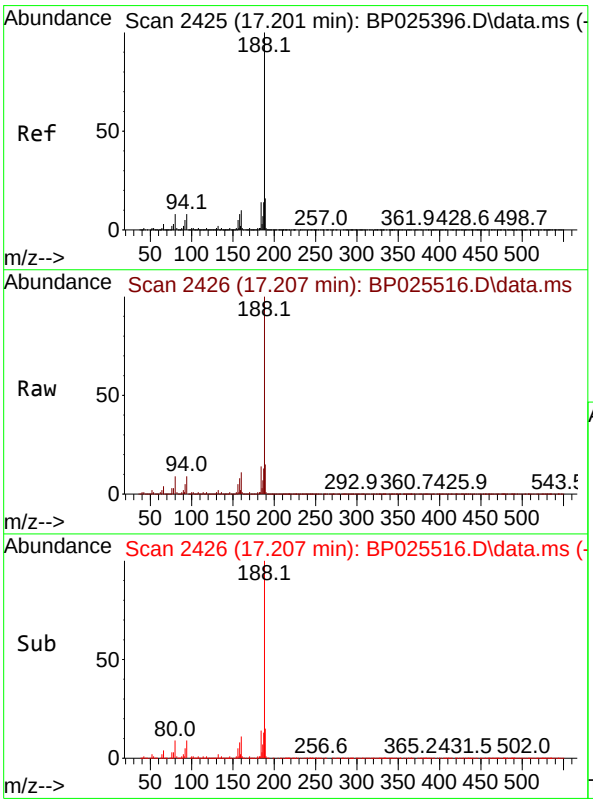
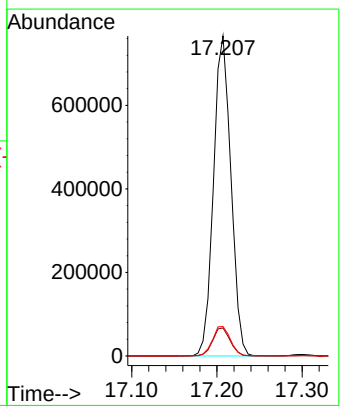
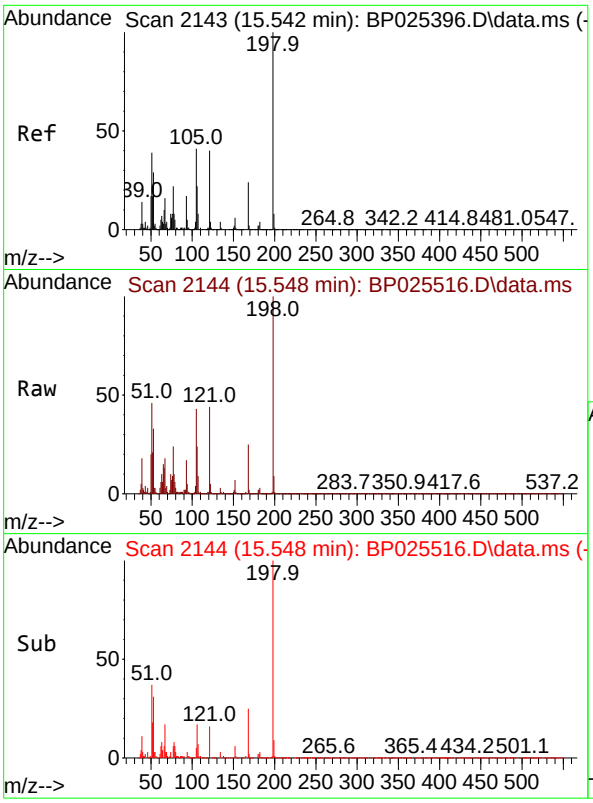


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:188 Resp: 1090849

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	6.7	10.1

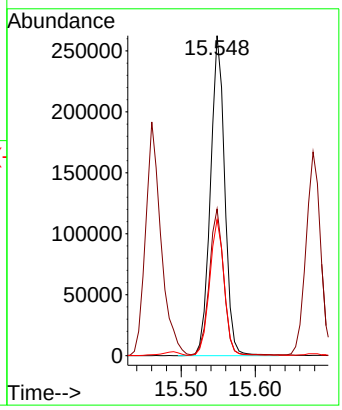




#65
4,6-Dinitro-2-methylphenol
Concen: 51.578 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:198 Resp: 35072

Ion	Ratio	Lower	Upper
198	100		
51	45.9	19.6	59.6
105	42.6	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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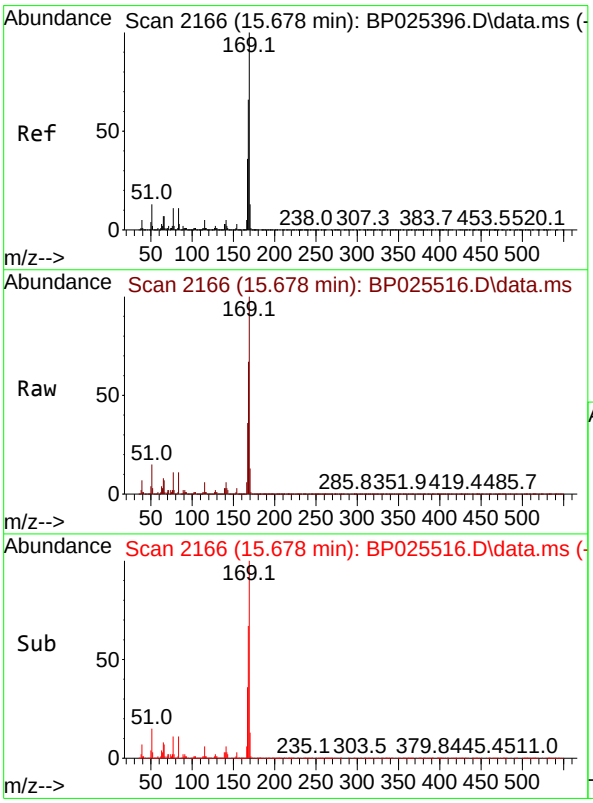
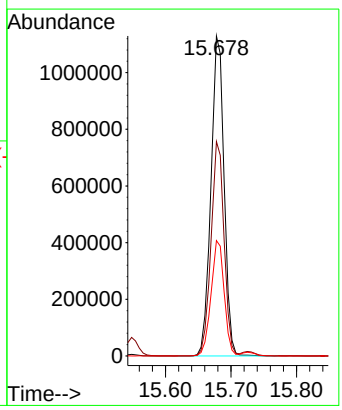
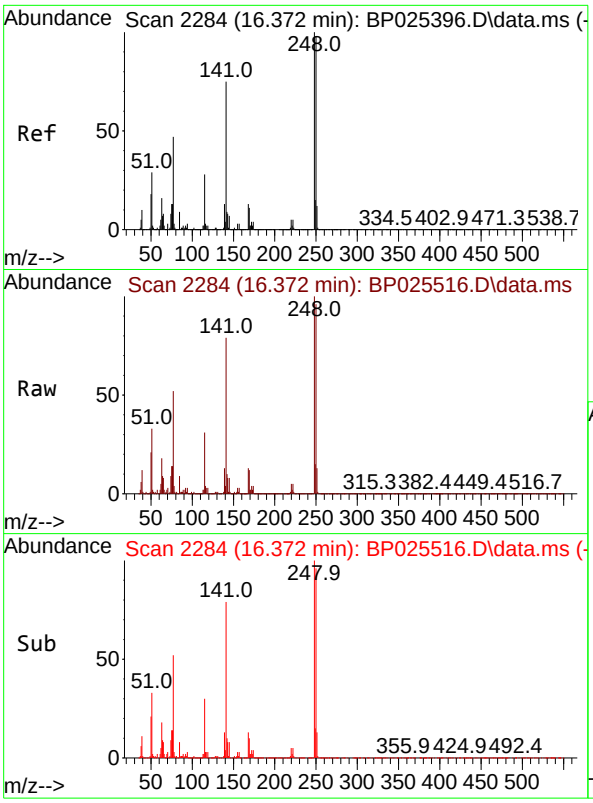


#66
n-Nitrosodiphenylamine
Concen: 47.250 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:169 Resp: 1571731

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.2	79.8
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 48.762 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:248 Resp: 58501

Ion	Ratio	Lower	Upper
248	100		
250	95.8	78.2	117.2
141	79.2	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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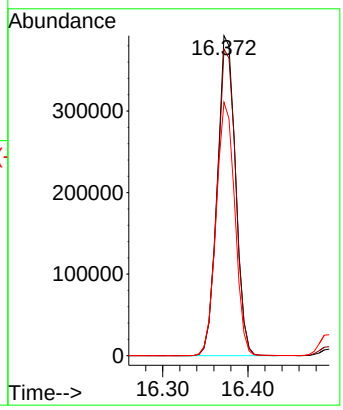
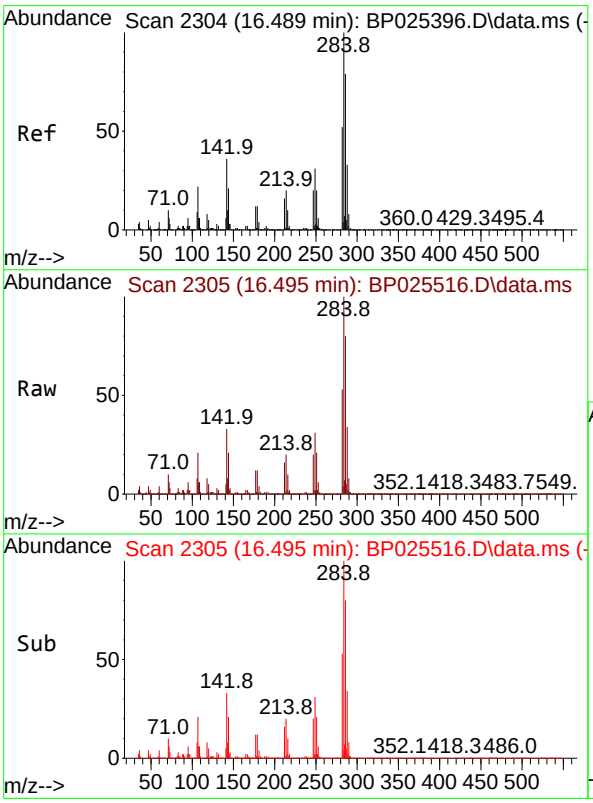
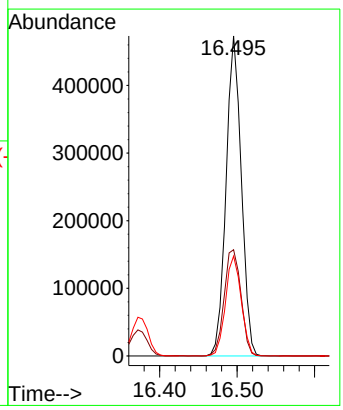


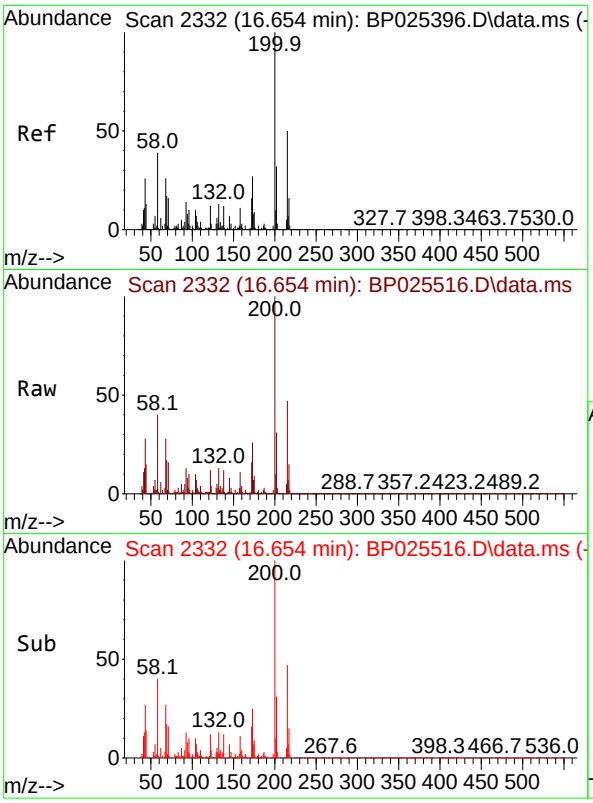


#68
Hexachlorobenzene
Concen: 46.567 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:284 Resp: 647628

Ion	Ratio	Lower	Upper
284	100		
142	33.2	29.1	43.7
249	31.2	25.0	37.4

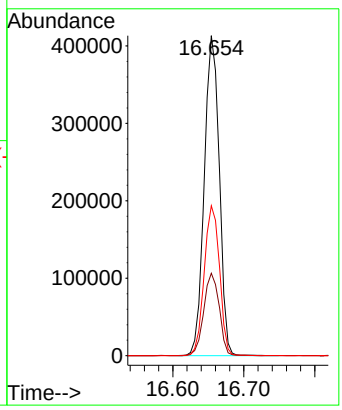




#69
Atrazine
Concen: 48.929 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:200 Resp: 60954

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.7	46.7
215	46.9	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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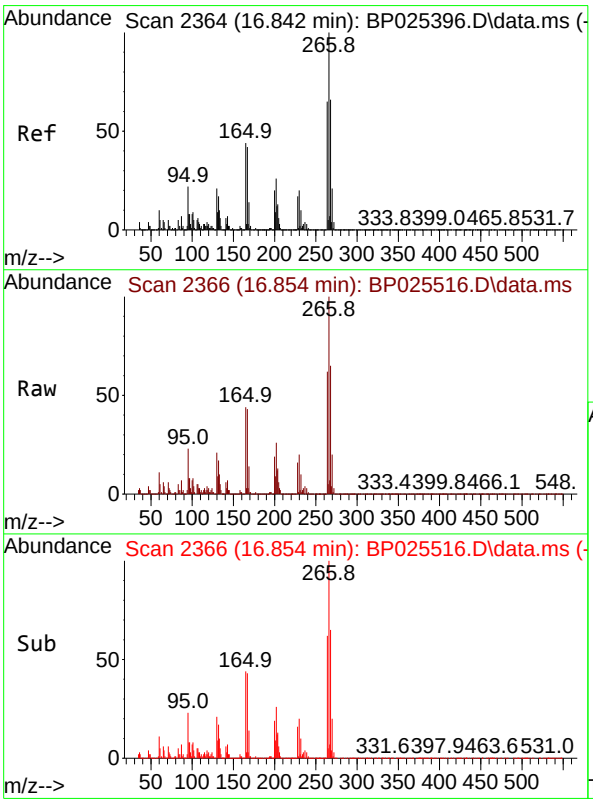
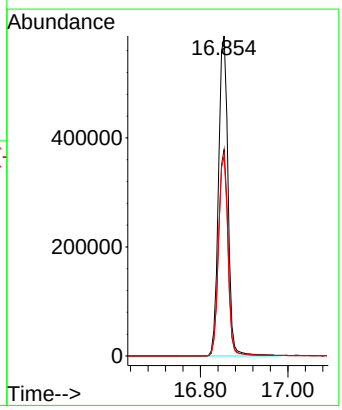
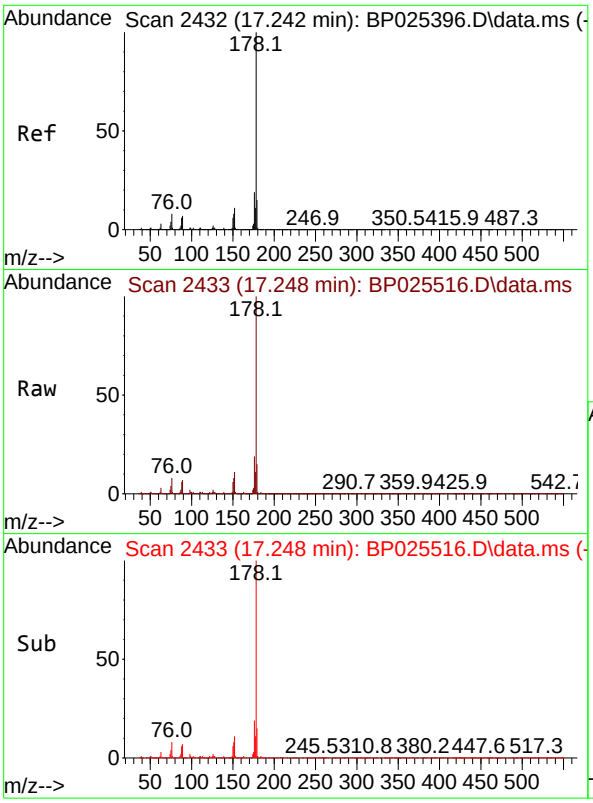


#70
Pentachlorophenol
Concen: 99.646 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:266 Resp: 874797

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.6	79.0
264	62.3	52.0	78.0

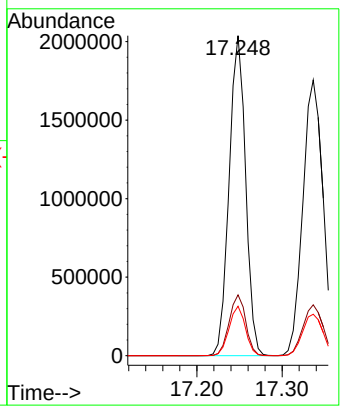




#71
Phenanthrene
Concen: 45.661 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:178 Resp: 273619

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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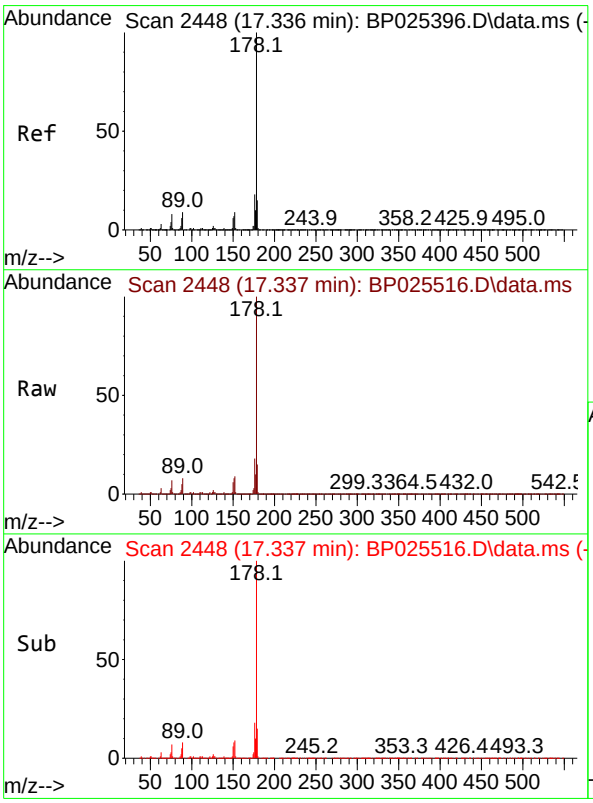
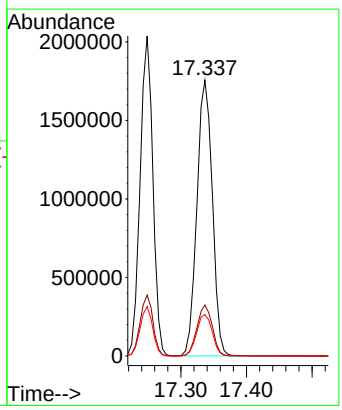
Supervised By :Jagrut Upadhyay 08/21/2025

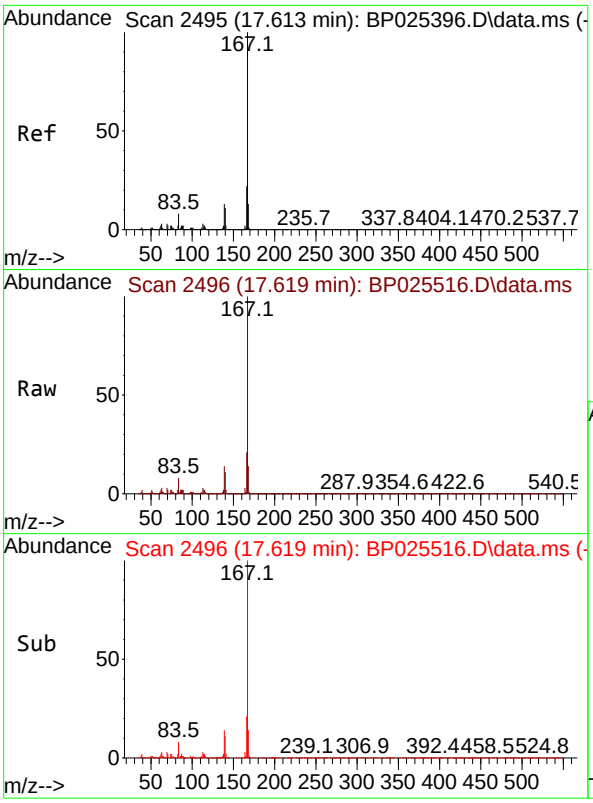


#72
Anthracene
Concen: 47.028 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:178 Resp: 2877852

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.0	12.2	18.2

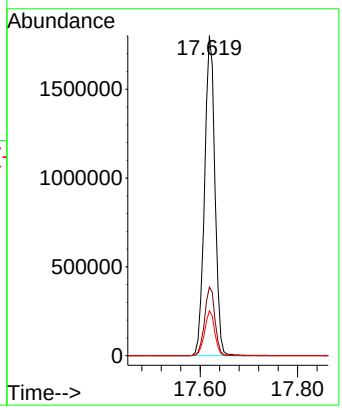




#73
Carbazole
Concen: 45.874 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:167 Resp: 264414

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	14.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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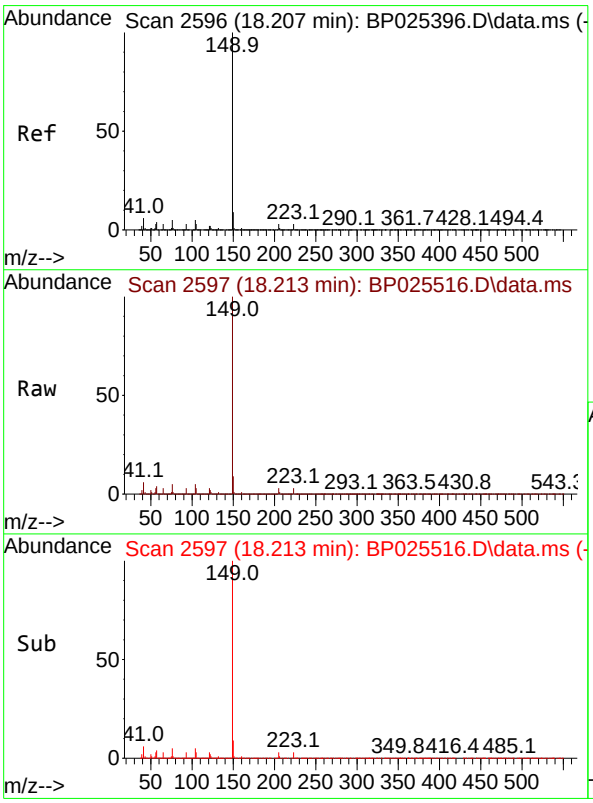
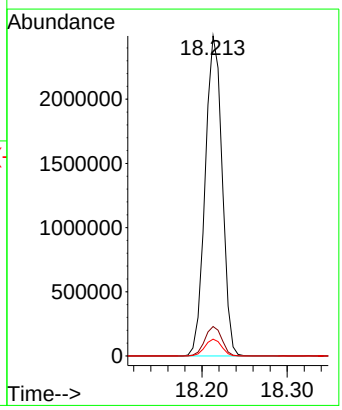
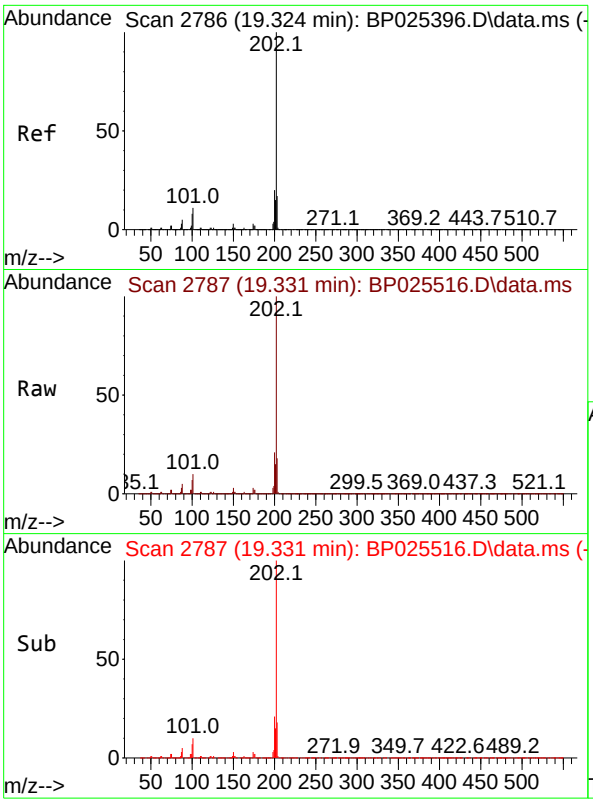


#74
Di-n-butylphthalate
Concen: 48.618 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 3447802

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2

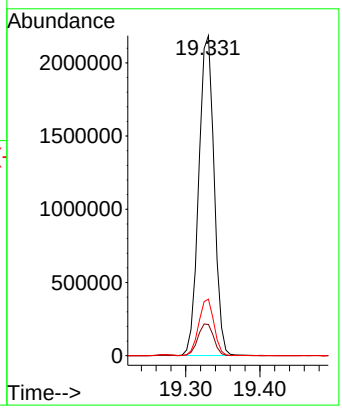




#75
Fluoranthene
Concen: 43.953 ng
RT: 19.331 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:202 Resp: 314170

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.1
203	17.6	0.0	37.3



Instrument :
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ClientSampleId :
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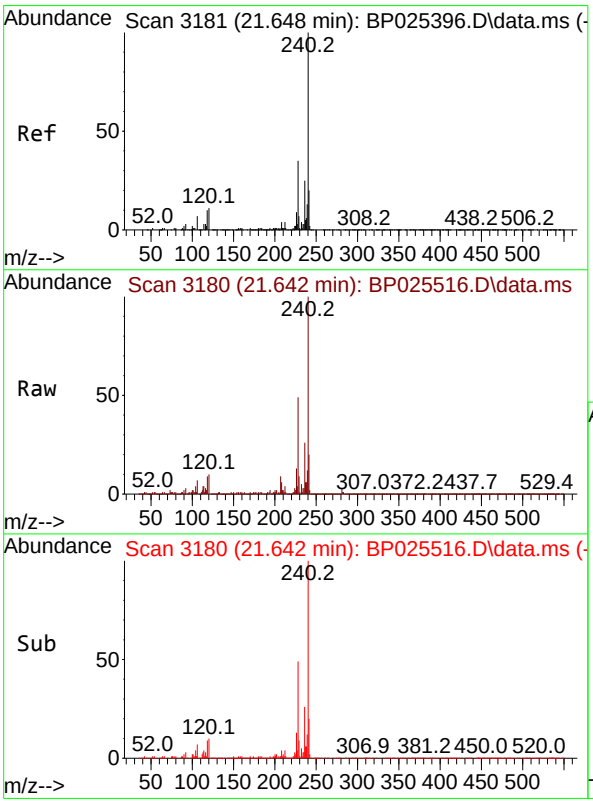
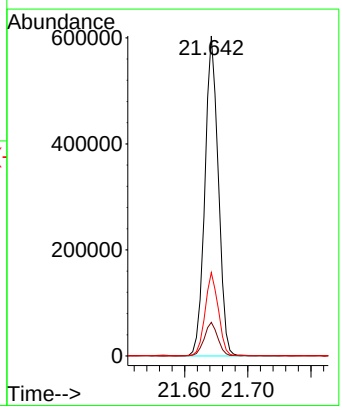
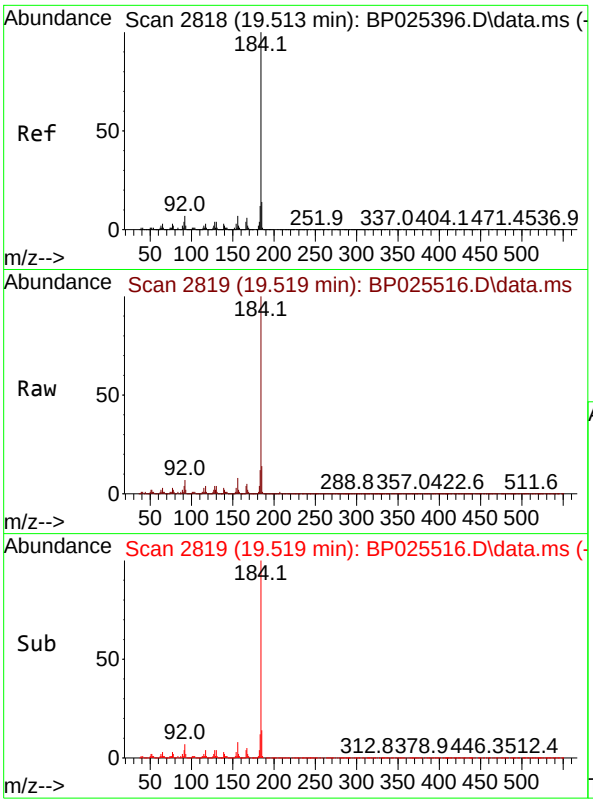


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:240 Resp: 892873

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	26.1	19.8	29.8

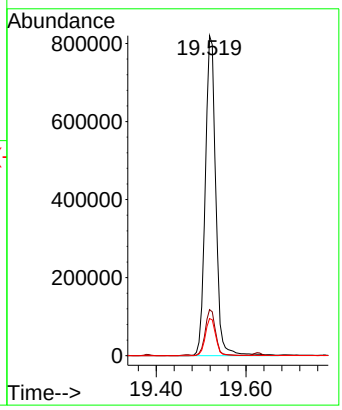




#77
Benzidine
Concen: 43.542 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:184 Resp: 132680

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.6	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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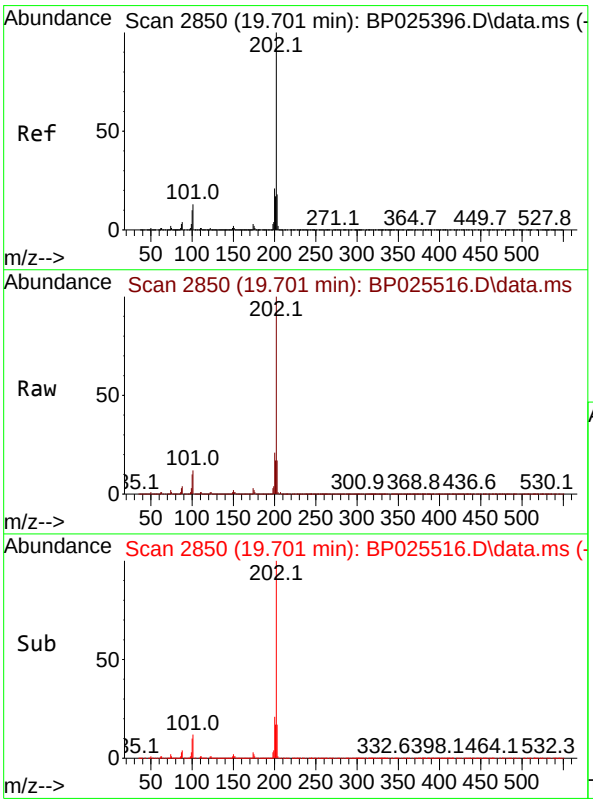
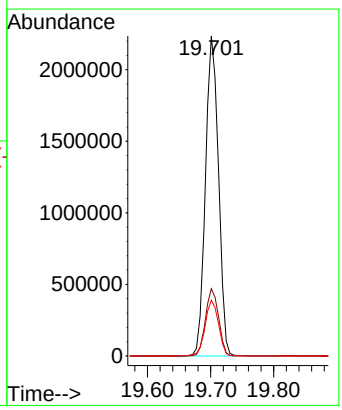
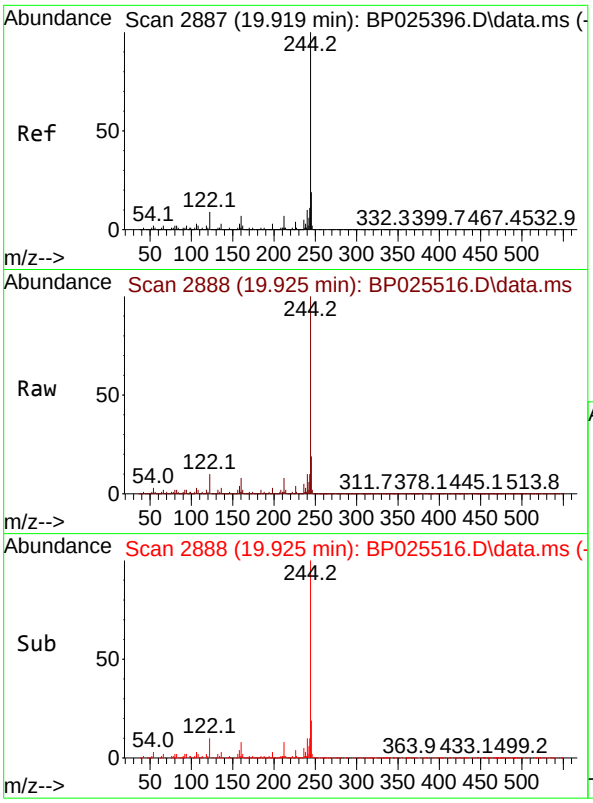


#78
Pyrene
Concen: 55.290 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:202 Resp: 3208701

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.4	14.2	21.2

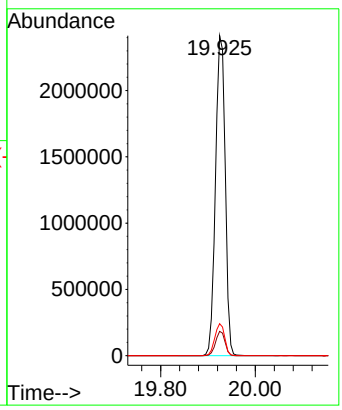




#79
Terphenyl-d14
Concen: 70.370 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:244 Resp: 343422

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.0	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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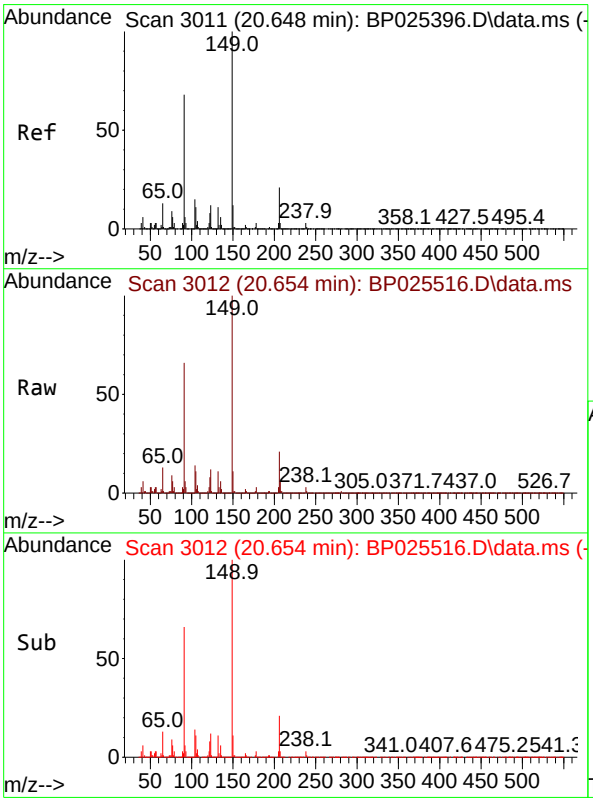
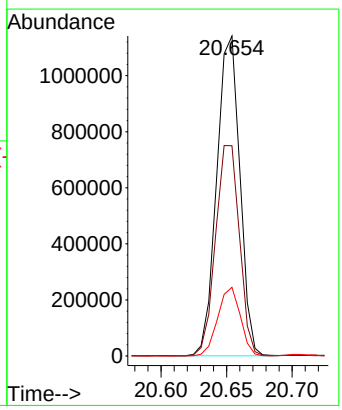
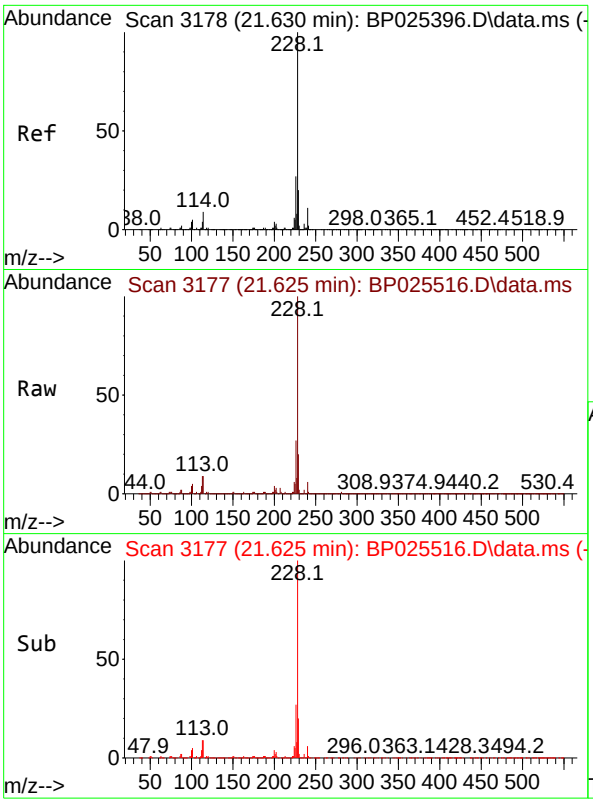


#80
Butylbenzylphthalate
Concen: 53.266 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1400983

Ion	Ratio	Lower	Upper
149	100		
91	65.7	54.2	81.2
206	21.5	16.6	24.8

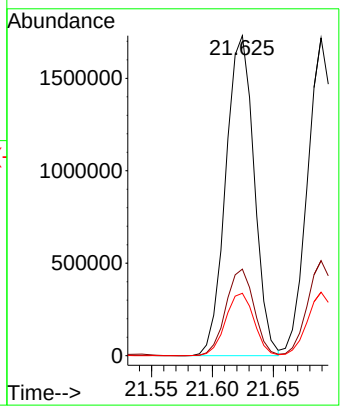




#81
Benzo(a)anthracene
Concen: 47.640 ng
RT: 21.625 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:228 Resp: 280527

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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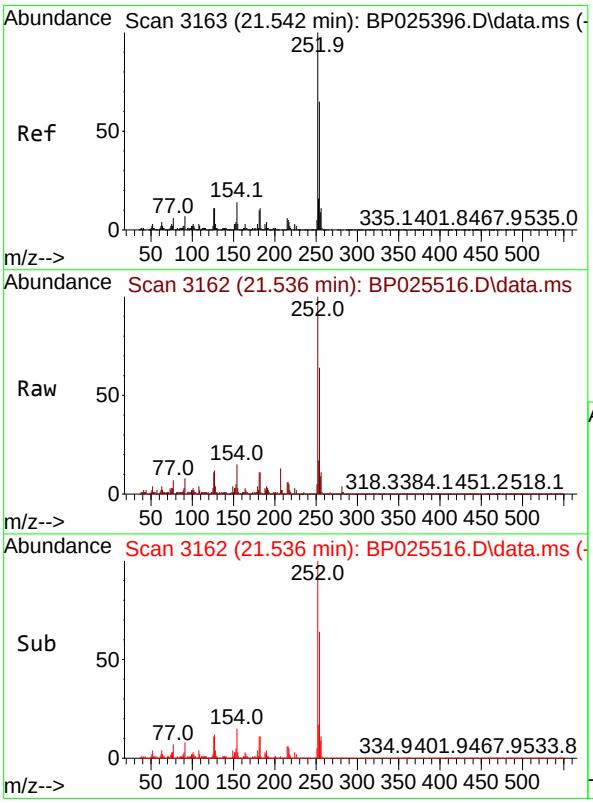
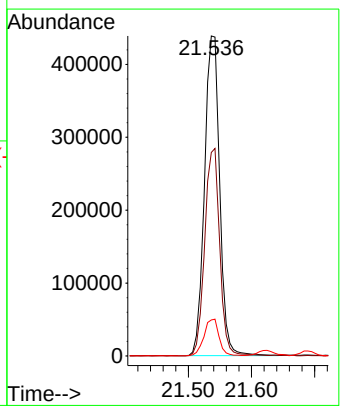
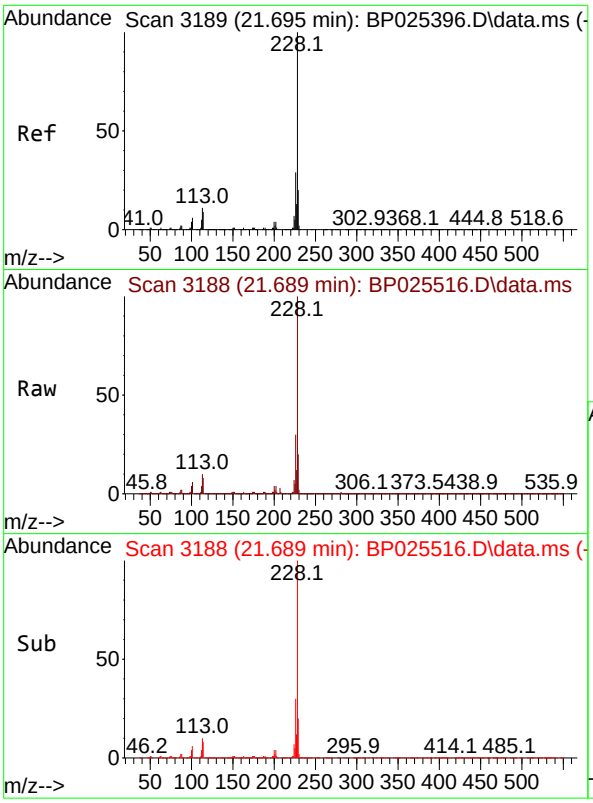


#82
3,3'-Dichlorobenzidine
Concen: 33.021 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 732910

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.8	77.6
126	11.2	9.1	13.7

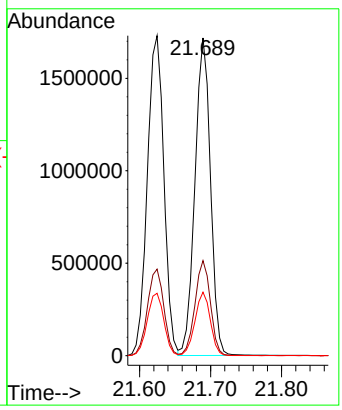




#83
Chrysene
Concen: 47.543 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:228 Resp: 262178

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	20.0	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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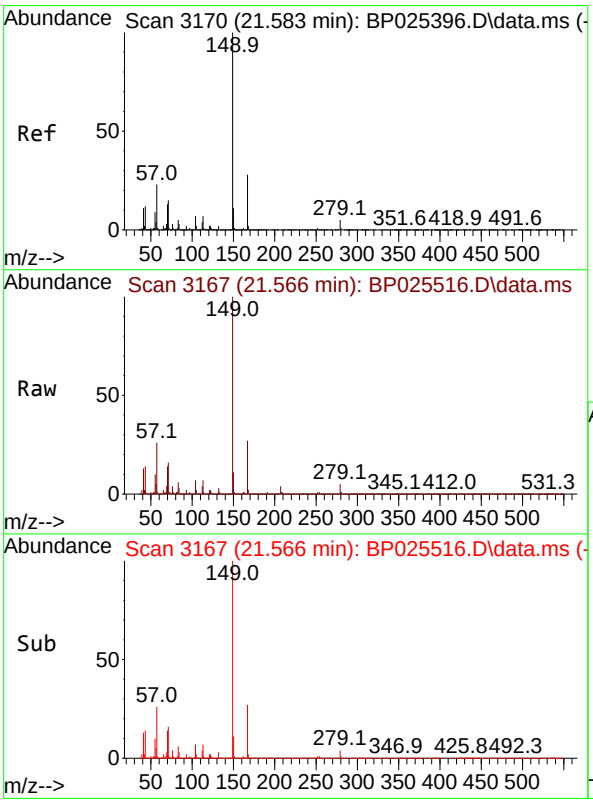
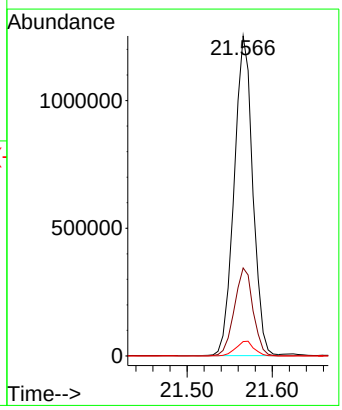
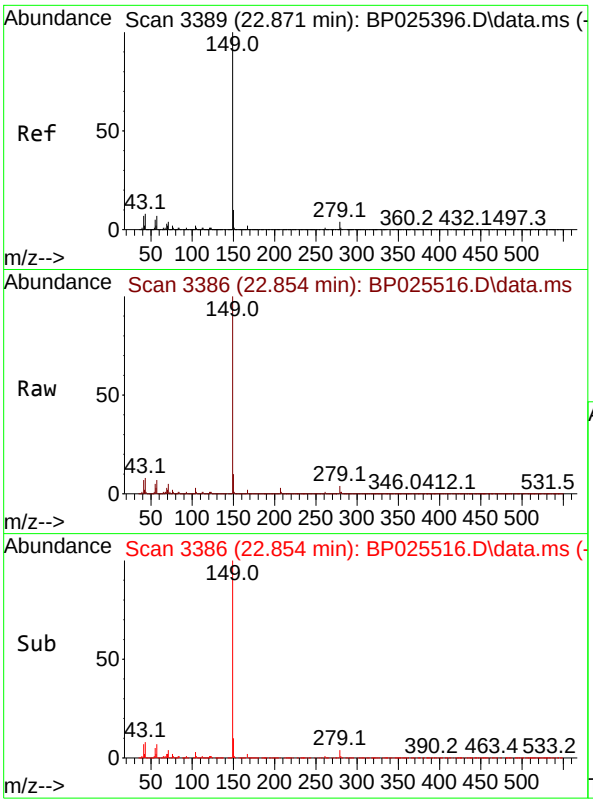


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.987 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1896634

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.5	3.8	5.6

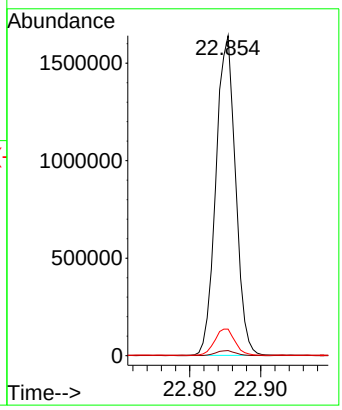




#85
Di-n-octyl phthalate
Concen: 47.102 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 313677

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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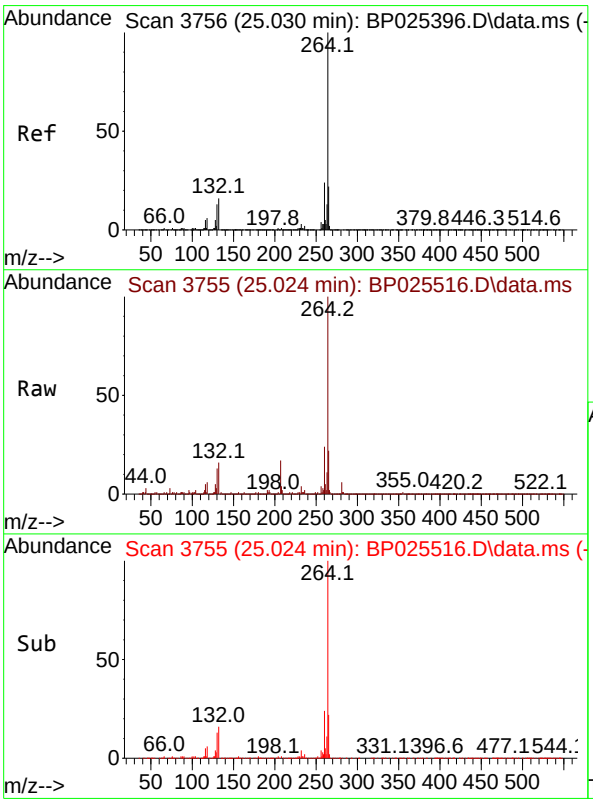
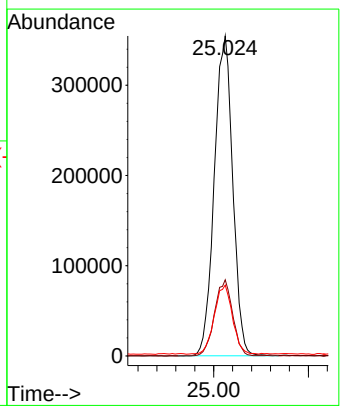
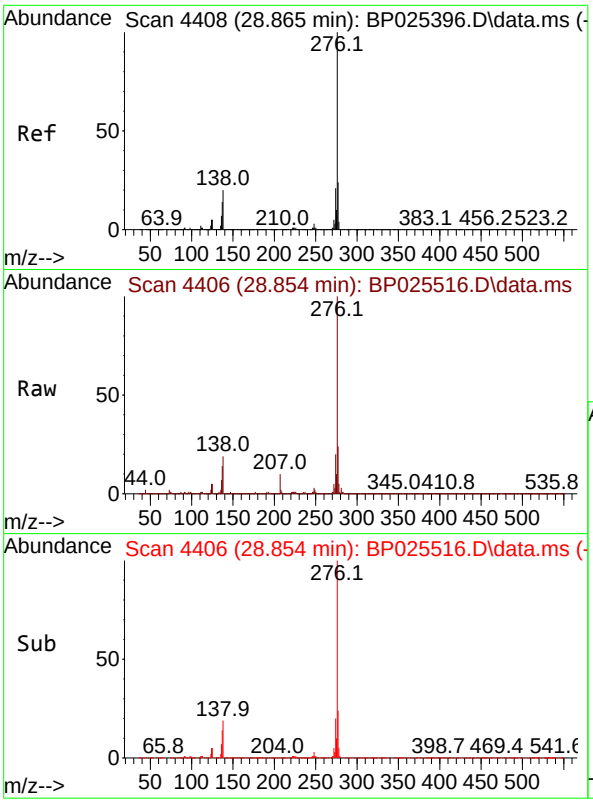


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:264 Resp: 958463

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.1	17.4	26.0

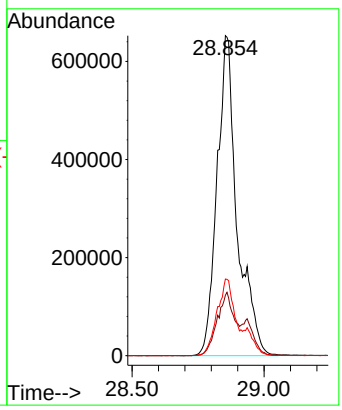




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.235 ng m
RT: 28.854 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:276 Resp: 346070

Ion	Ratio	Lower	Upper
276	100		
138	16.9	12.9	19.3
277	21.2	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

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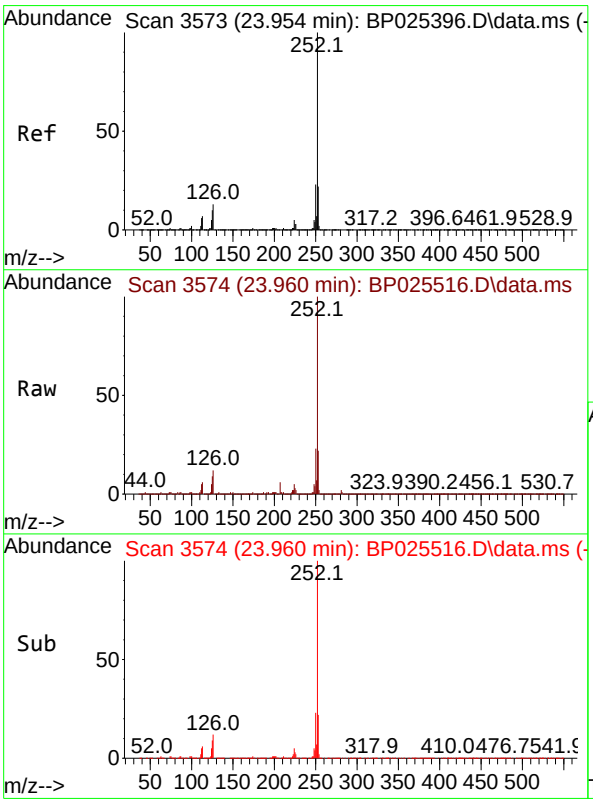
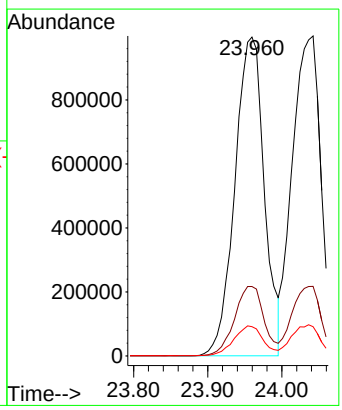
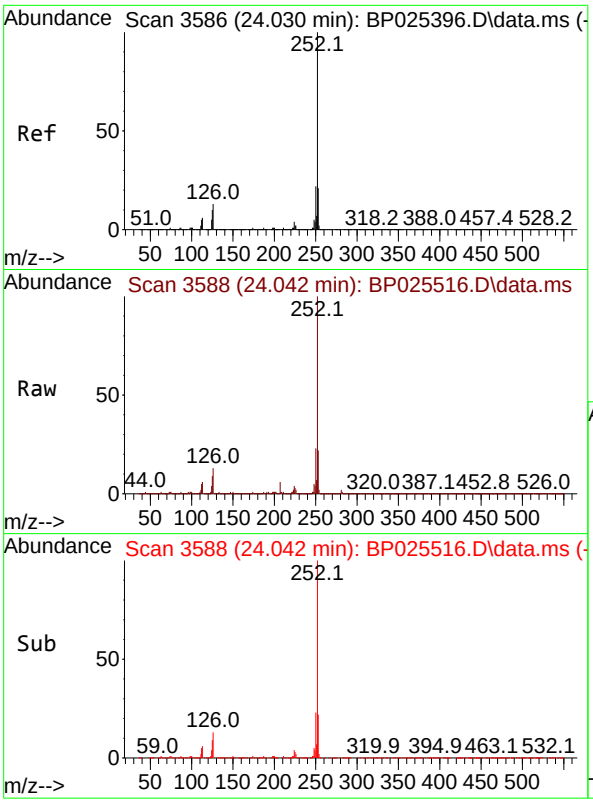


#88
Benzo(b)fluoranthene
Concen: 48.561 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 2744537

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.2	7.9	11.9

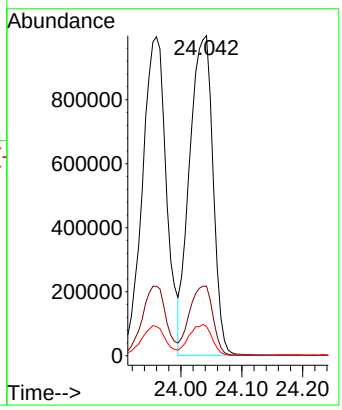




#89
Benzo(k)fluoranthene
Concen: 47.128 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 266539

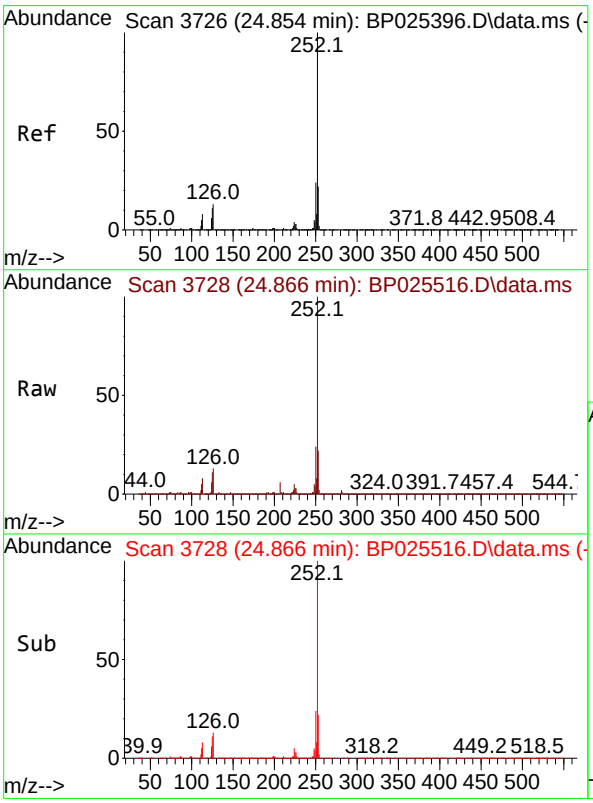
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.1	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Manual Integrations
APPROVED

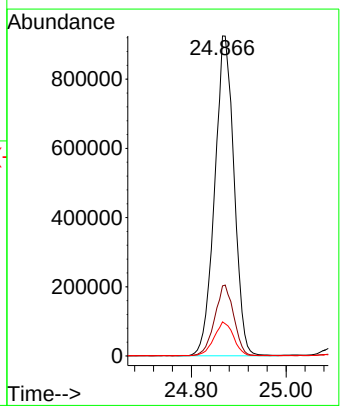
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

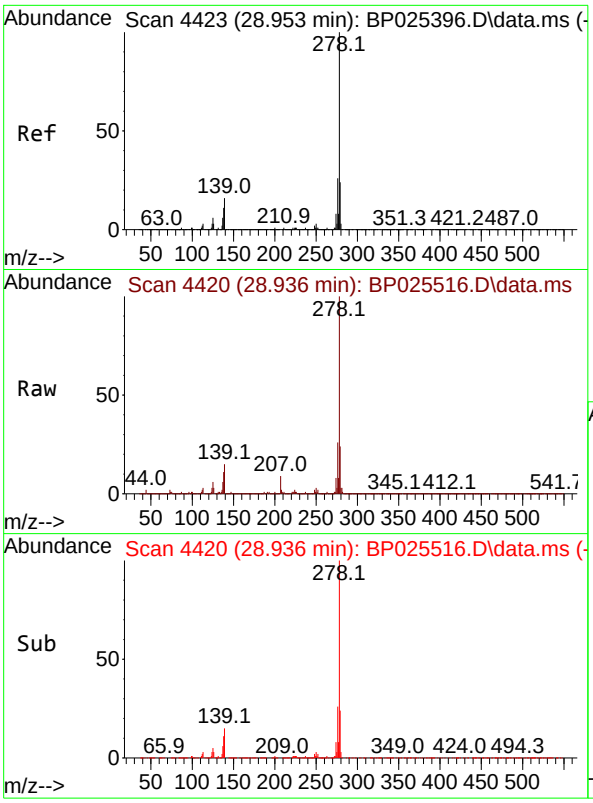


#90
Benzo(a)pyrene
Concen: 47.615 ng
RT: 24.866 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 2619564

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.7	8.7	13.1

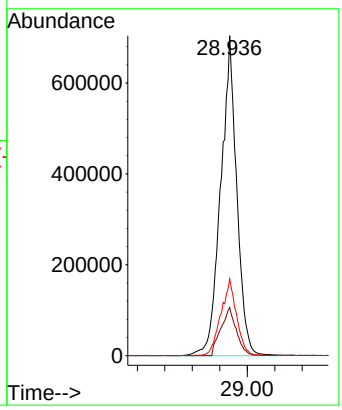




#91
Dibenzo(a,h)anthracene
Concen: 49.664 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:278 Resp: 285276

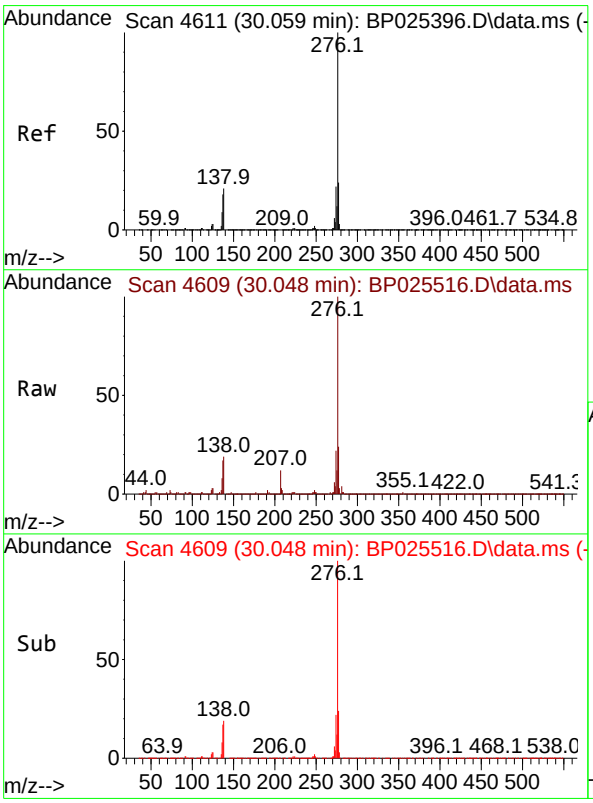
Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	24.0	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Manual Integrations
APPROVED

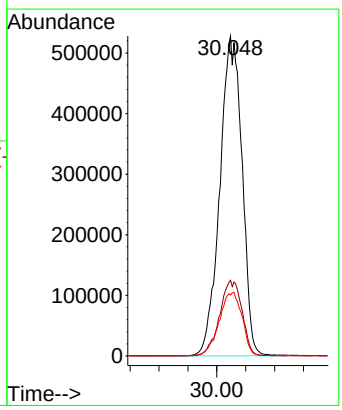
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 49.963 ng
RT: 30.048 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:276 Resp: 2821095

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	19.1	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		190	330	400	ug/Kg
108-95-2	Phenol	1800		26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	1800		29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	1800		36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		45.4	160	210	ug/Kg
98-86-2	Acetophenone	1700		35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1800		49.7	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		57.3	96.8	96.8	ug/Kg
67-72-1	Hexachloroethane	1700		21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	1700		22.1	160	210	ug/Kg
78-59-1	Isophorone	1700		39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	1800		70.4	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		78.4	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		34.2	160	210	ug/Kg
91-20-3	Naphthalene	1700		27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	930		42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		30.6	160	210	ug/Kg
105-60-2	Caprolactam	1800		63.0	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		35.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	1900		58.2	160	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.8	160	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	1200		55.6	160	210	ug/Kg
83-32-9	Acenaphthene	1800		25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	330	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		60.6	160	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		32.3	160	210	ug/Kg
86-73-7	Fluorene	1700		30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	1700		77.6	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.6	160	210	ug/Kg
1912-24-9	Atrazine	1800		41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	1800		25.3	160	210	ug/Kg
120-12-7	Anthracene	1800		40.3	160	210	ug/Kg
86-74-8	Carbazole	1800		37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		57.9	160	210	ug/Kg
206-44-0	Fluoranthene	1800		36.3	160	210	ug/Kg
129-00-0	Pyrene	1700		43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	1800		86.4	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		44.4	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	1800		27.8	160	210	ug/Kg
218-01-9	Chrysene	1800		24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		71.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		23.0	160	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMS	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025415.D	1	08/13/25 09:05	08/15/25 05:48	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		35.2	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	1400		54.7	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		33.1	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.6		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	85.7		34 - 127		57%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.8		44 - 115		50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.8		39 - 132		57%	SPK: 150
1718-51-0	Terphenyl-d14	45.7	*	54 - 127		46%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.79				
1146-65-2	Naphthalene-d8	606000	10.566				
15067-26-2	Acenaphthene-d10	386000	14.395				
1517-22-2	Phenanthrene-d10	780000	17.195				
1719-03-5	Chrysene-d12	875000	21.642				
1520-96-3	Perylene-d12	1000000	25.001				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	150786	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	605832	20.000	ng		0.00
39) Acenaphthene-d10	14.395	164	386320	20.000	ng		-0.01
64) Phenanthrene-d10	17.195	188	780287	20.000	ng		0.00
76) Chrysene-d12	21.642	240	875377	20.000	ng		0.00
86) Perylene-d12	25.001	264	1000604	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	768113	84.597	ng		0.00
7) Phenol-d6	6.972	99	997741	85.710	ng		0.00
23) Nitrobenzene-d5	8.931	82	621723	51.912	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	441123	84.833	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1406520	49.758	ng		0.00
79) Terphenyl-d14	19.913	244	2185634	45.681	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	127096	35.736	ng		97
3) Pyridine	3.725	79	350548	36.011	ng		97
4) n-Nitrosodimethylamine	3.637	42	171159	42.649	ng		97
6) Aniline	7.125	93	528462	33.694	ng		98
8) 2-Chlorophenol	7.366	128	452389	44.153	ng		98
9) Benzaldehyde	6.943	77	214385	26.286	ng		99
10) Phenol	6.996	94	550261	45.048	ng		96
11) bis(2-Chloroethyl)ether	7.219	93	391840	41.157	ng		99
12) 1,3-Dichlorobenzene	7.684	146	466002	41.247	ng		99
13) 1,4-Dichlorobenzene	7.825	146	475529	41.179	ng		99
14) 1,2-Dichlorobenzene	8.143	146	455238	40.725	ng		98
15) Benzyl Alcohol	8.025	79	400142	43.261	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	524406	41.117	ng		99
17) 2-Methylphenol	8.225	107	379896	44.780	ng		98
18) Hexachloroethane	8.866	117	174455	41.089	ng		96
19) n-Nitroso-di-n-propyla...	8.590	70	308676	40.032	ng		97
20) 3+4-Methylphenols	8.549	107	523056	44.480	ng		98
22) Acetophenone	8.607	105	638997	42.059	ng	#	98
24) Nitrobenzene	8.972	77	463016	43.258	ng		99
25) Isophorone	9.502	82	886621	41.831	ng		99
26) 2-Nitrophenol	9.678	139	238745	43.463	ng		98
27) 2,4-Dimethylphenol	9.737	122	434435	45.989	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	540971	42.224	ng		99
29) 2,4-Dichlorophenol	10.207	162	437774	46.651	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	433129	42.105	ng		98
31) Naphthalene	10.613	128	1330005	42.238	ng		99
32) Benzoic acid	9.884	122	311312	44.638	ng		98
33) 4-Chloroaniline	10.713	127	321033	23.081	ng		99
34) Hexachlorobutadiene	10.901	225	274233	42.806	ng		98
35) Caprolactam	11.496	113	149929	43.572	ng		99
36) 4-Chloro-3-methylphenol	11.843	107	491428	45.638	ng		98
37) 2-Methylnaphthalene	12.219	142	871694	42.539	ng		98
38) 1-Methylnaphthalene	12.437	142	902892	41.432	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	495028	44.368	ng		99
41) Hexachlorocyclopentadiene	12.572	237	587000	87.099	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	352250	46.764	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	390615	47.317	ng	99
46) 1,1'-Biphenyl	13.225	154	1250868	44.583	ng	100
47) 2-Chloronaphthalene	13.272	162	963302	44.103	ng	99
48) 2-Nitroaniline	13.466	65	297760	46.787	ng	99
49) Acenaphthylene	14.119	152	1611999	44.601	ng	99
50) Dimethylphthalate	13.860	163	1254219	44.335	ng	100
51) 2,6-Dinitrotoluene	13.966	165	269670	45.226	ng	91
52) Acenaphthene	14.466	154	949405	44.752	ng	99
53) 3-Nitroaniline	14.295	138	199924	29.801	ng	93
54) 2,4-Dinitrophenol	14.507	184	307887	96.691	ng	98
55) Dibenzofuran	14.801	168	1489789	44.417	ng	99
56) 4-Nitrophenol	14.619	139	513780	93.200	ng	95
57) 2,4-Dinitrotoluene	14.760	165	399936	47.011	ng	100
58) Fluorene	15.460	166	1142677	43.175	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	334331	45.866	ng	99
60) Diethylphthalate	15.242	149	1293019	44.982	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	558984	42.468	ng	97
62) 4-Nitroaniline	15.472	138	295780	43.007	ng	96
63) Azobenzene	15.754	77	1184564	48.126	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	221973	45.637	ng	99
66) n-Nitrosodiphenylamine	15.678	169	1035094	43.502	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	374274	43.613	ng	98
68) Hexachlorobenzene	16.489	284	432625	43.489	ng	98
69) Atrazine	16.654	200	398840	44.758	ng	98
70) Pentachlorophenol	16.842	266	593177	94.460	ng	98
71) Phenanthrene	17.242	178	1900981	44.349	ng	100
72) Anthracene	17.342	178	1901911	43.450	ng	99
73) Carbazole	17.613	167	1848365	44.831	ng	99
74) Di-n-butylphthalate	18.213	149	2264177	44.635	ng	100
75) Fluoranthene	19.325	202	2274430	44.484	ng	98
77) Benzidine	19.519	184	1279852	42.841	ng	99
78) Pyrene	19.701	202	2376529	41.769	ng	99
80) Butylbenzylphthalate	20.654	149	1141667	44.274	ng	98
81) Benzo(a)anthracene	21.619	228	2561195	44.364	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	558511	25.666	ng	99
83) Chrysene	21.689	228	2409067	44.558	ng	100
84) Bis(2-ethylhexyl)phtha...	21.566	149	1670118	43.998	ng	100
85) Di-n-octyl phthalate	22.854	149	2946897	45.135	ng	100
87) Indeno(1,2,3-cd)pyrene	28.824	276	3281639m	44.721	ng	
88) Benzo(b)fluoranthene	23.930	252	2653334	44.970	ng	99
89) Benzo(k)fluoranthene	24.001	252	2664055	45.121	ng	99
90) Benzo(a)pyrene	24.830	252	2562652	44.619	ng	99
91) Dibenzo(a,h)anthracene	28.924	278	2675040	44.609	ng	98
92) Benzo(g,h,i)perylene	30.030	276	2637753	44.748	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

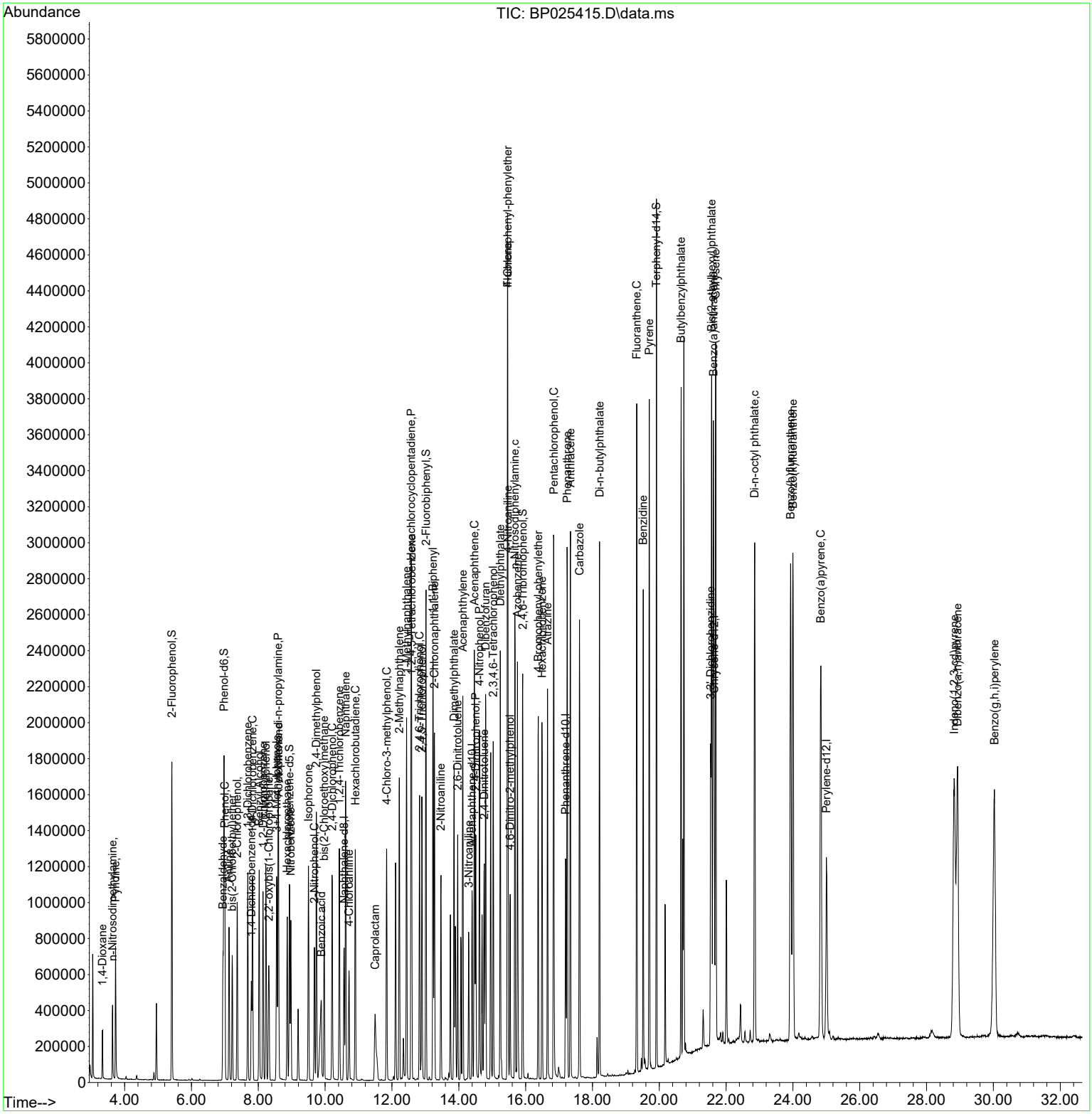
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

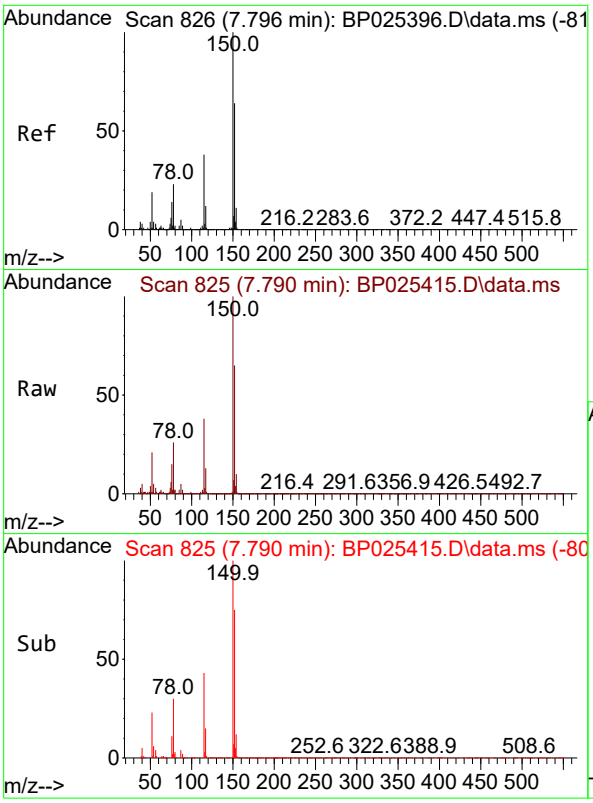
Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

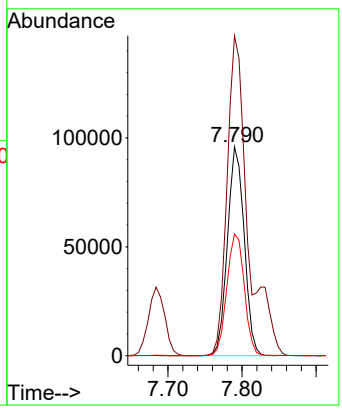




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:152 Resp: 15078

Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.9	188.9
115	58.2	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
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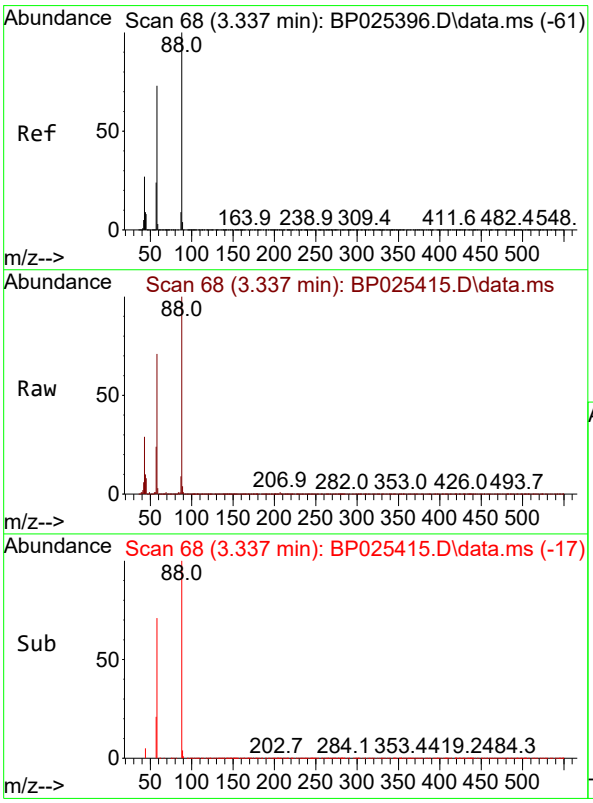
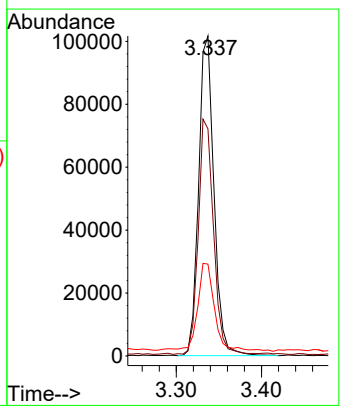
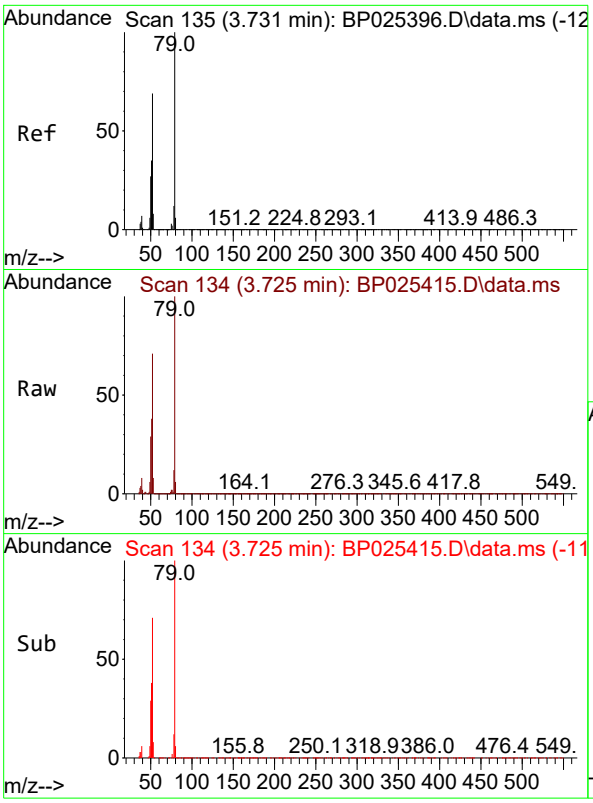


#2
1,4-Dioxane
Concen: 35.736 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 88 Resp: 127096

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	31.5	21.7	32.5

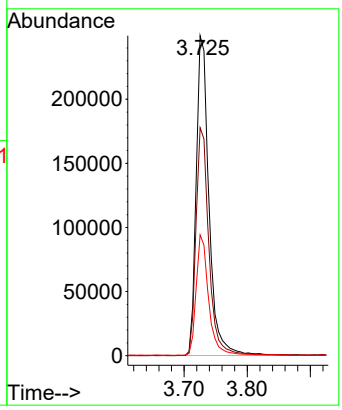




#3
Pyridine
Concen: 36.011 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 79 Resp: 35054

Ion	Ratio	Lower	Upper
79	100		
52	71.3	55.5	83.3
51	37.8	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
88H-EMS

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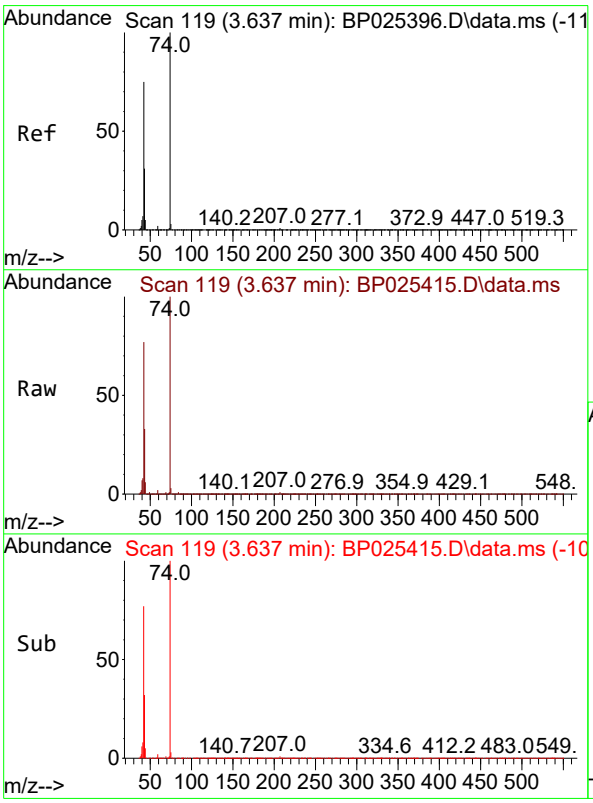
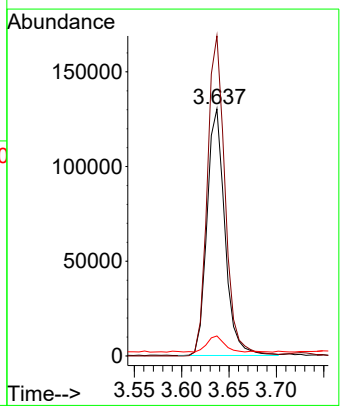
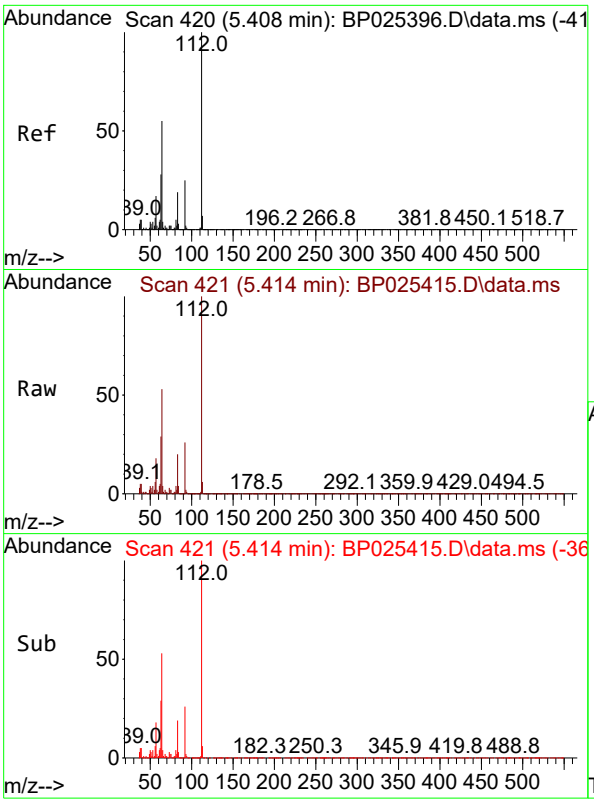


#4
n-Nitrosodimethylamine
Concen: 42.649 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 42 Resp: 171159

Ion	Ratio	Lower	Upper
42	100		
74	129.5	107.0	160.4
44	8.1	6.2	9.4

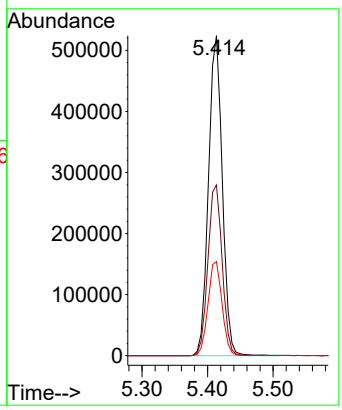




#5
2-Fluorophenol
Concen: 84.597 ng
RT: 5.414 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:112 Resp: 76811

Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.8	65.8
63	29.4	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
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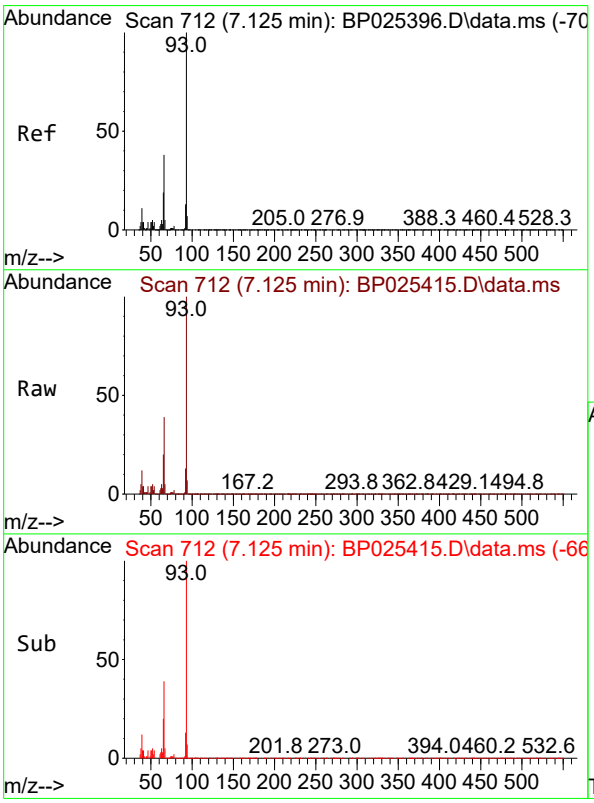
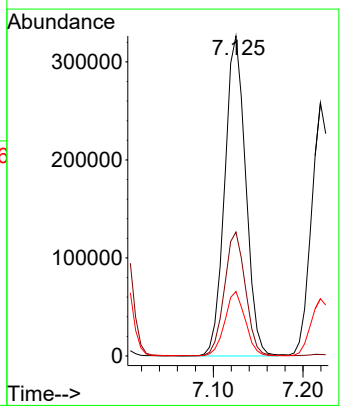
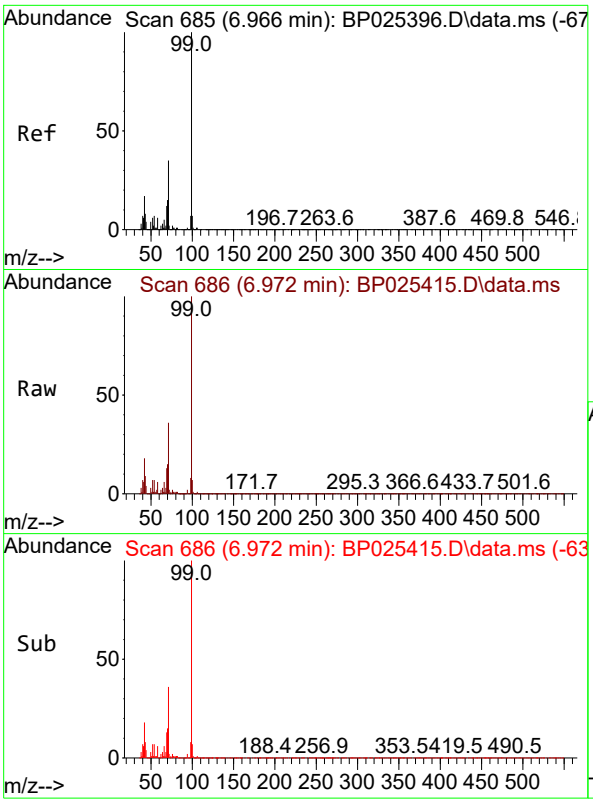


#6
Aniline
Concen: 33.694 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 93 Resp: 528462

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.4	45.6
65	20.1	15.3	22.9

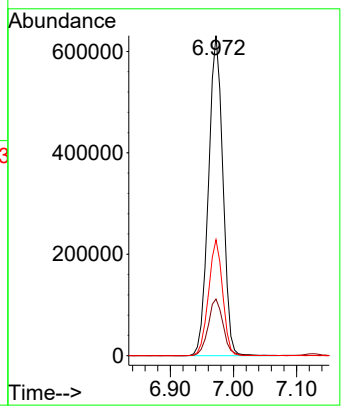




#7
Phenol-d6
Concen: 85.710 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 99 Resp: 99774

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	36.3	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
88H-EMS

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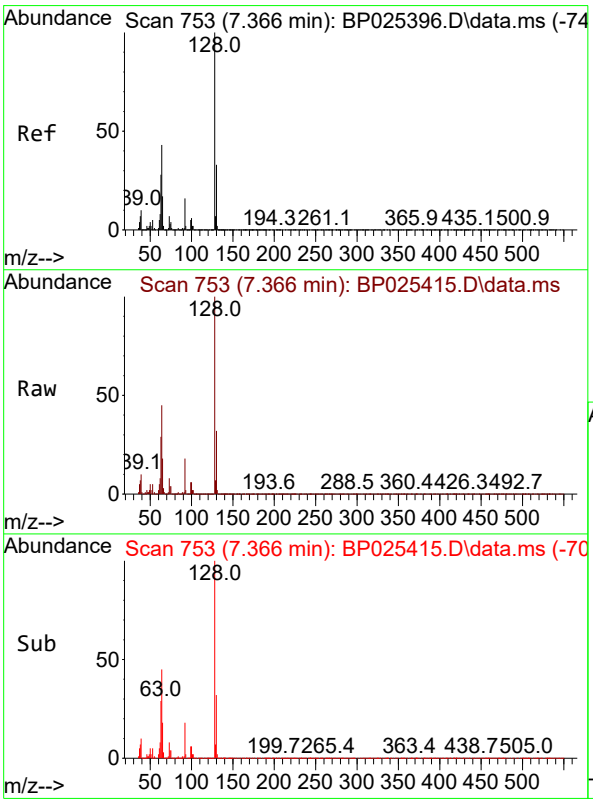
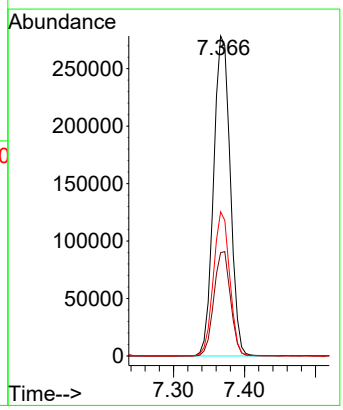
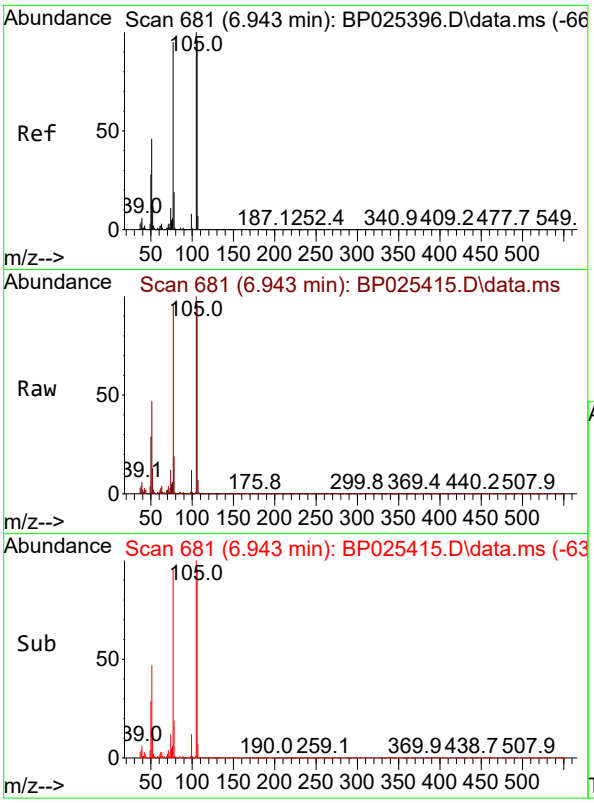


#8
2-Chlorophenol
Concen: 44.153 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:128 Resp: 452389

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.0	23.4	63.4

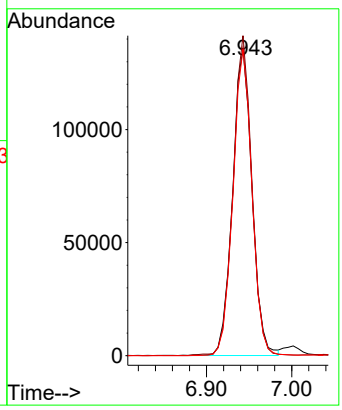




#9
Benzaldehyde
Concen: 26.286 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 77 Resp: 21438

Ion	Ratio	Lower	Upper
77	100		
105	104.1	84.8	124.8
106	99.7	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
88H-EMS

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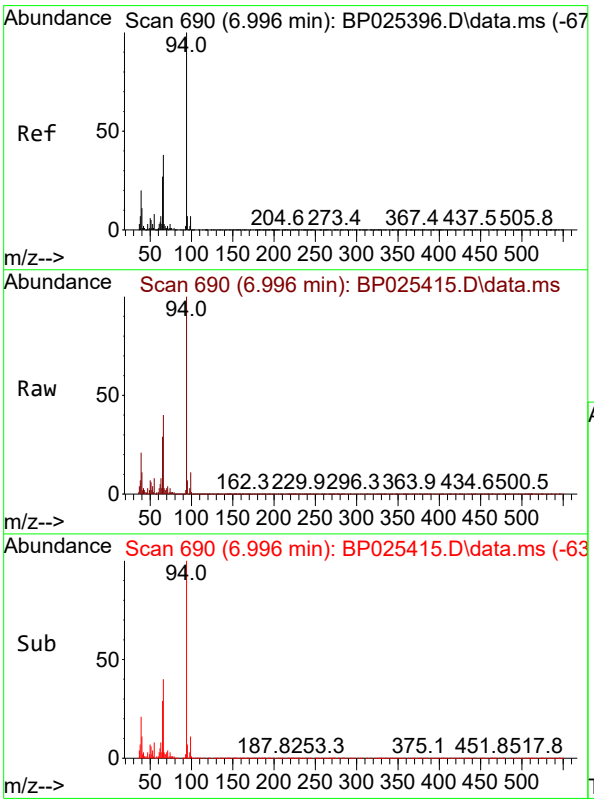
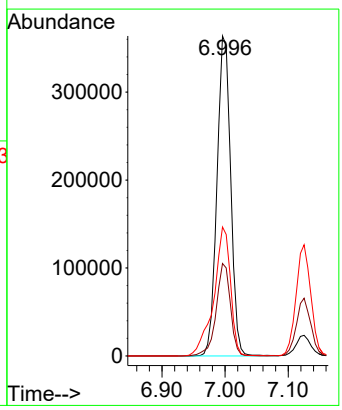
Supervised By :Jagrut Upadhyay 08/15/2025

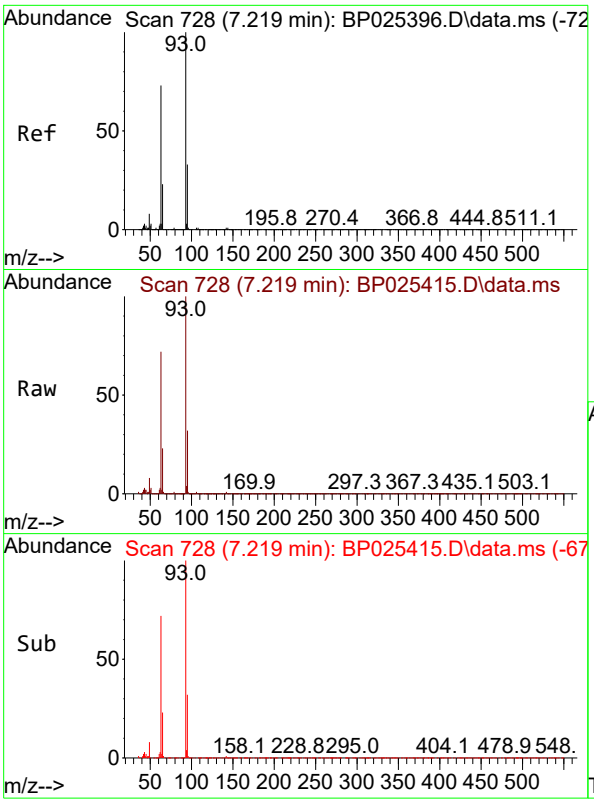


#10
Phenol
Concen: 45.048 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 94 Resp: 550261

Ion	Ratio	Lower	Upper
94	100		
65	28.9	6.8	46.8
66	40.3	18.2	58.2

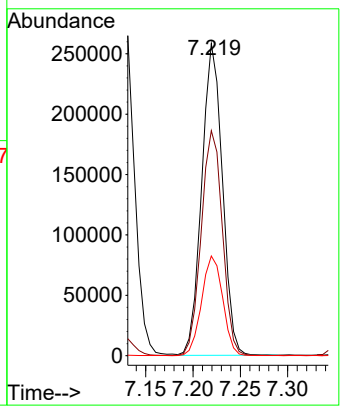




#11
bis(2-Chloroethyl)ether
Concen: 41.157 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 93 Resp: 39184

Ion	Ratio	Lower	Upper
93	100		
63	72.1	52.6	92.6
95	32.0	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
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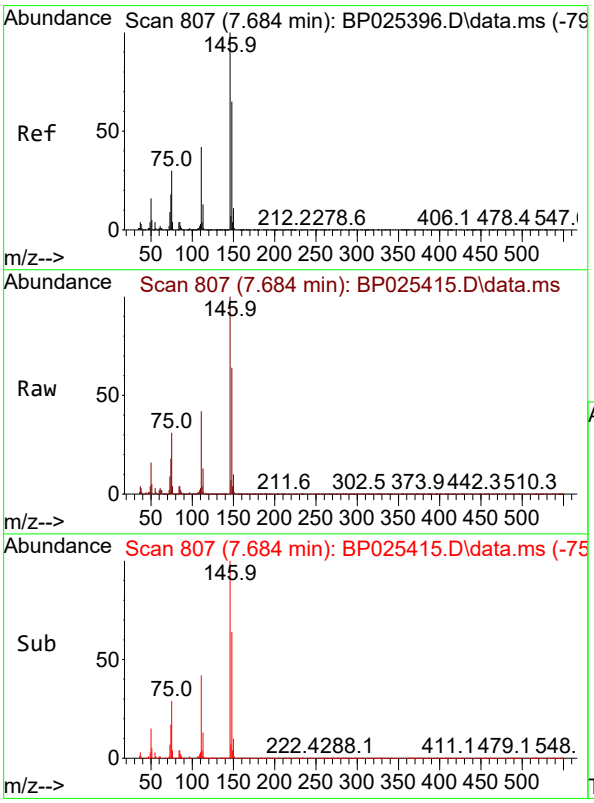
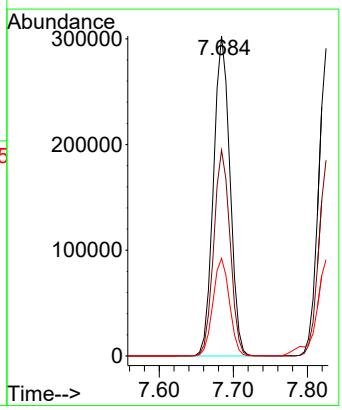
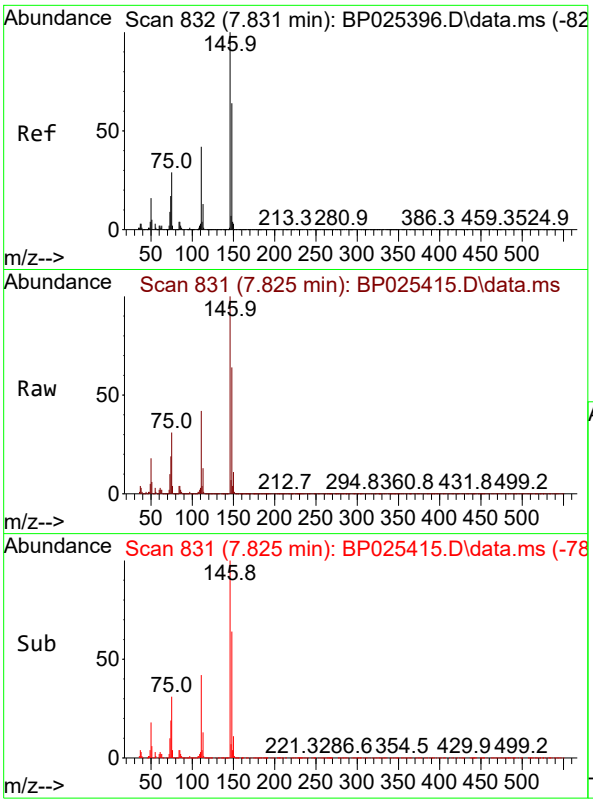


#12
1,3-Dichlorobenzene
Concen: 41.247 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:146 Resp: 466002

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	30.5	23.7	35.5

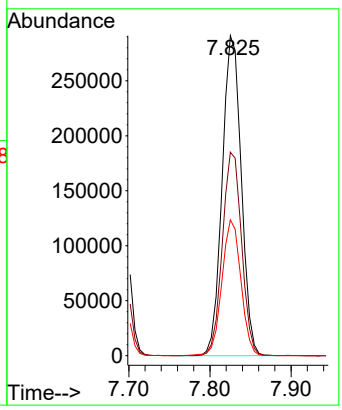




#13
1,4-Dichlorobenzene
Concen: 41.179 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:146 Resp: 47552

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	42.5	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
88H-EMS

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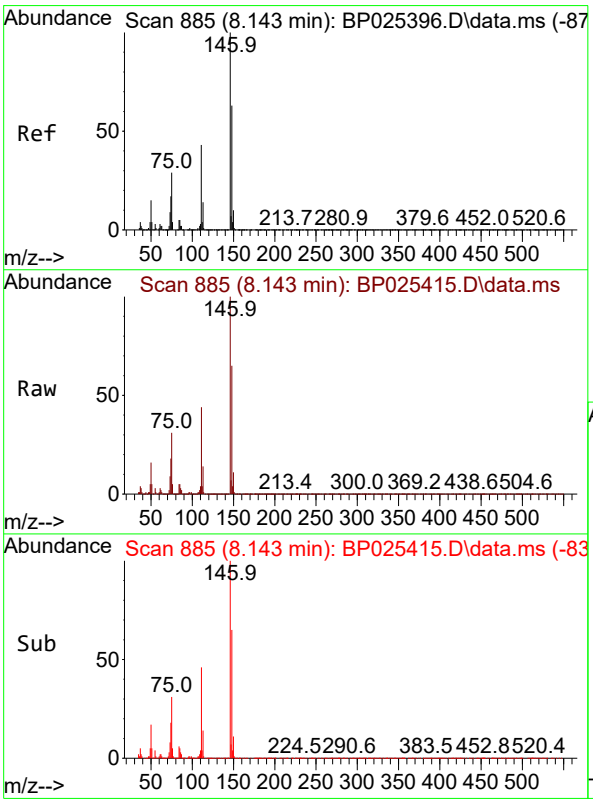
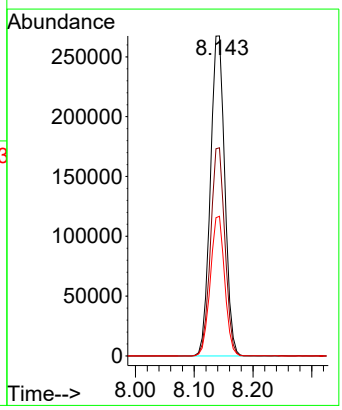
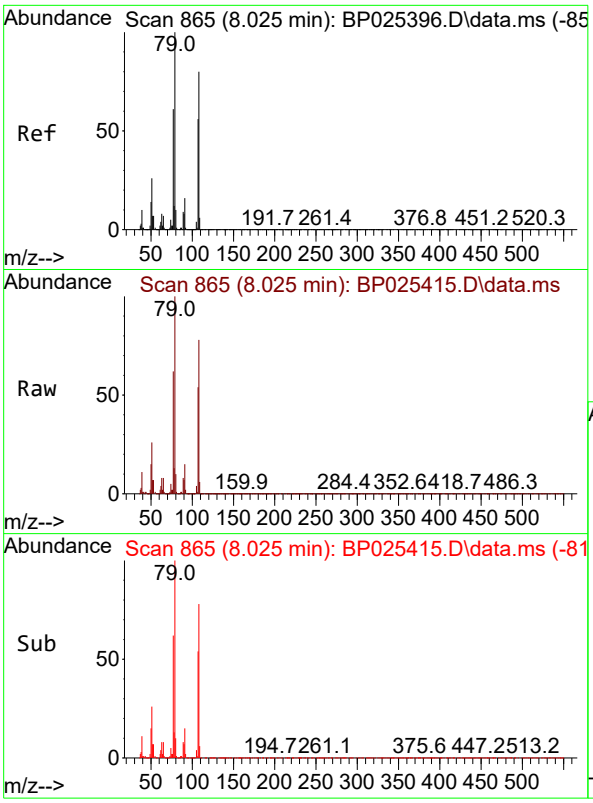


#14
1,2-Dichlorobenzene
Concen: 40.725 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:146 Resp: 455238

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	43.6	34.5	51.7





#15
Benzyl Alcohol
Concen: 43.261 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 79 Resp: 40014

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	62.2	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
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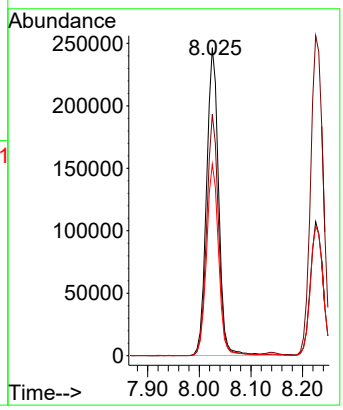
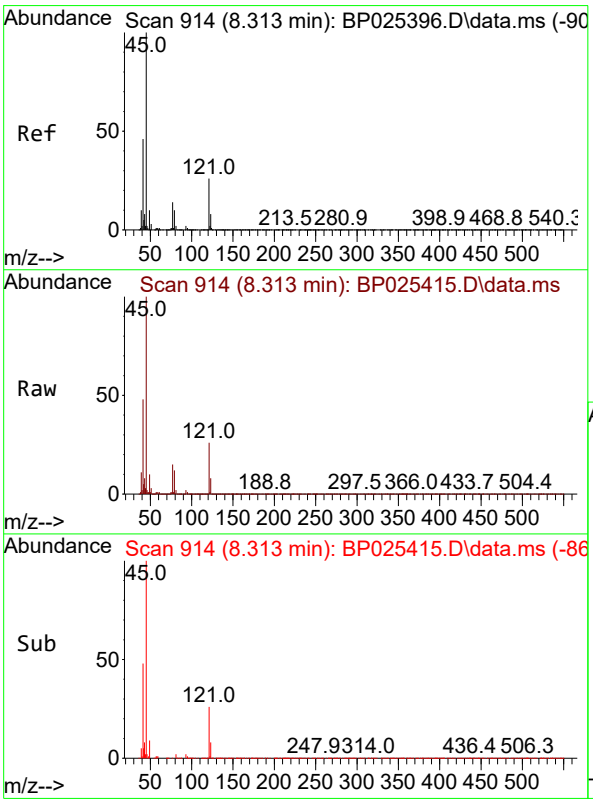
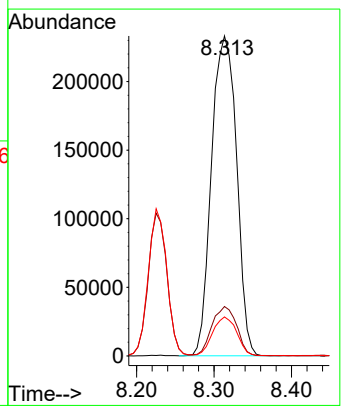


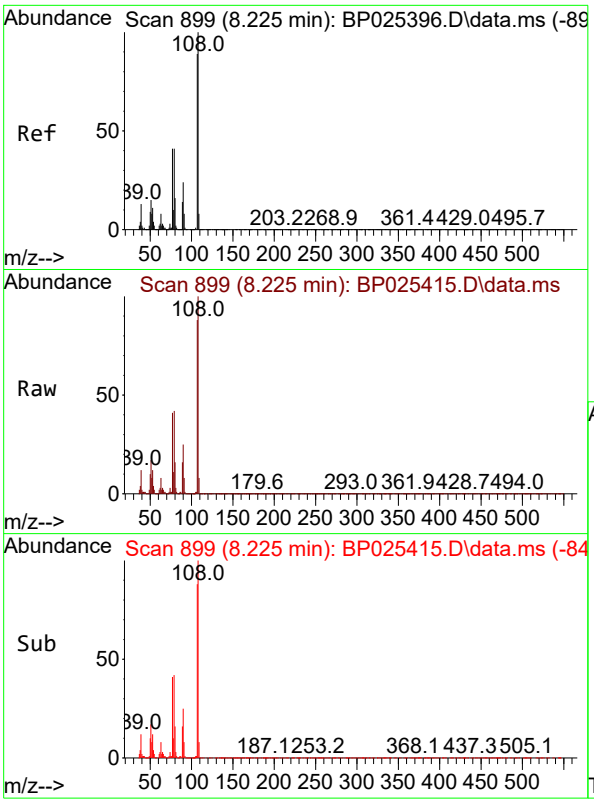


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.117 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 45 Resp: 524406

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.3
79	12.2	0.0	31.8

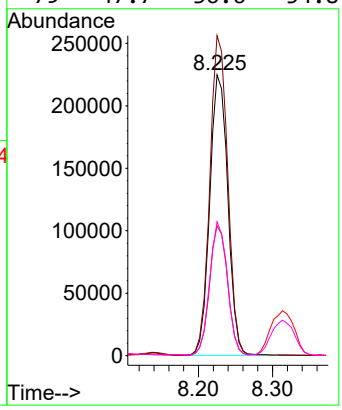




#17
2-Methylphenol
Concen: 44.780 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:107 Resp: 37989

Ion	Ratio	Lower	Upper
107	100		
108	114.0	89.4	134.0
77	46.3	36.3	54.5
79	47.7	36.6	54.8



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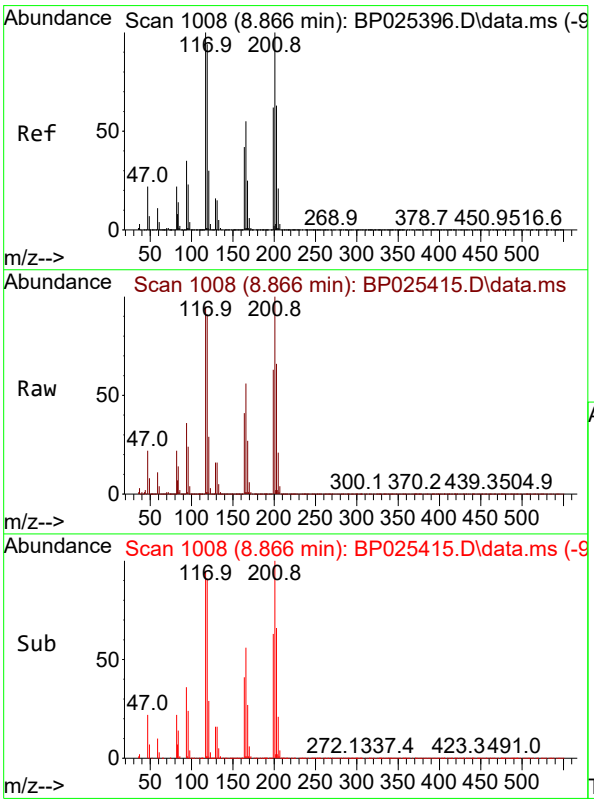
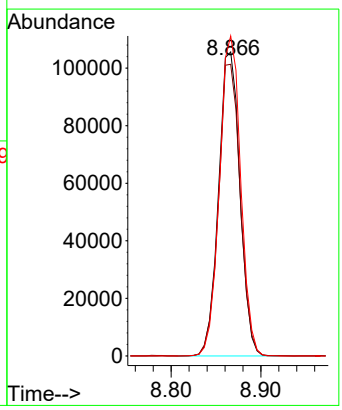
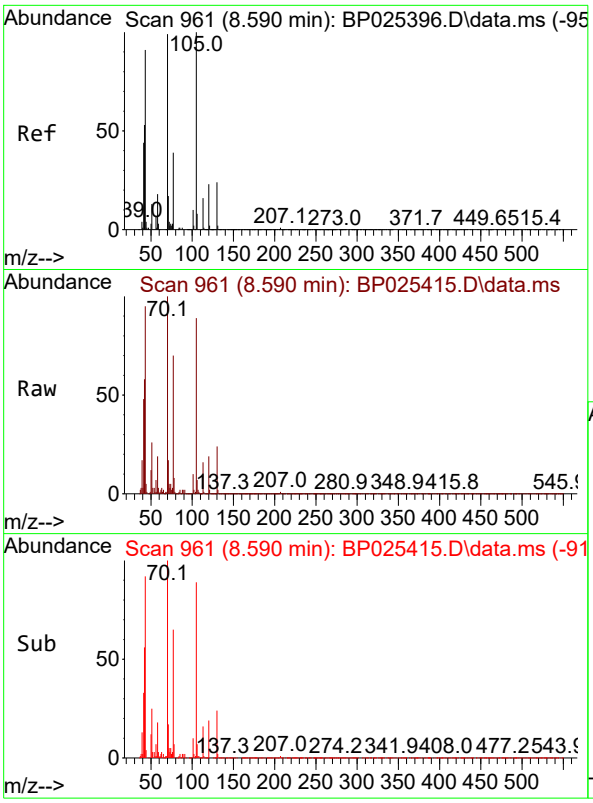


#18
Hexachloroethane
Concen: 41.089 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:117 Resp: 174455

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.1	112.7
201	105.2	80.1	120.1

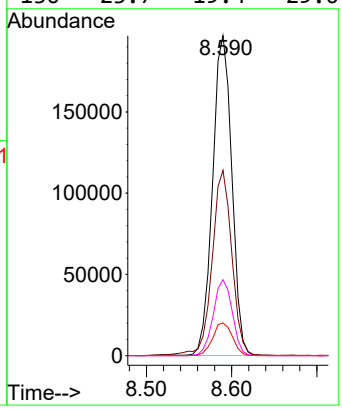




#19
n-Nitroso-di-n-propylamine
Concen: 40.032 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 70 Resp: 30867

Ion	Ratio	Lower	Upper
70	100		
42	57.9	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0



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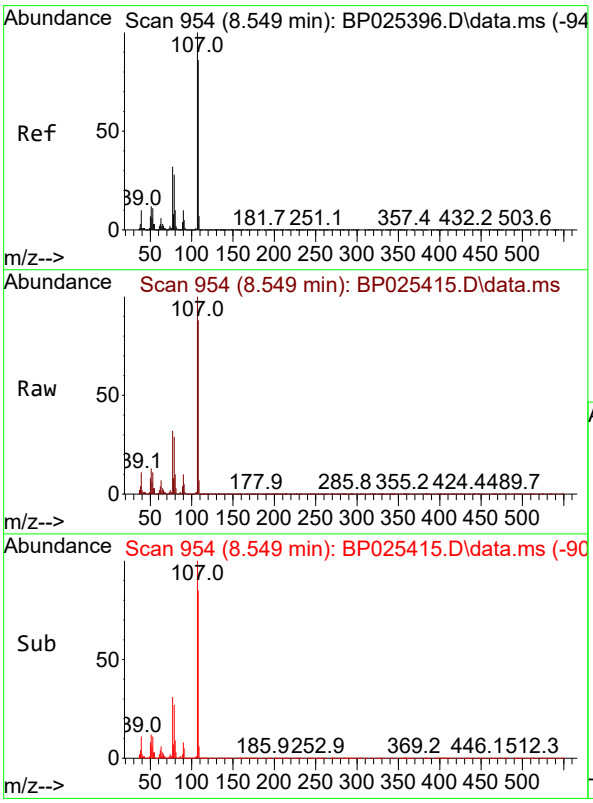
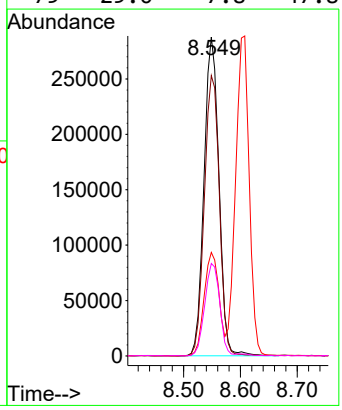
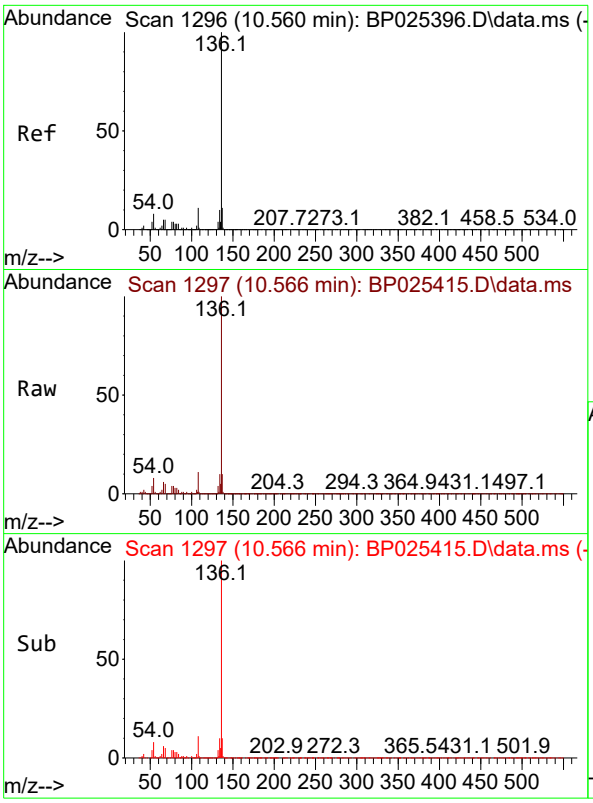


#20
3+4-Methylphenols
Concen: 44.480 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:107 Resp: 523056

Ion	Ratio	Lower	Upper
107	100		
108	87.9	66.3	106.3
77	32.5	12.3	52.3
79	29.0	7.8	47.8

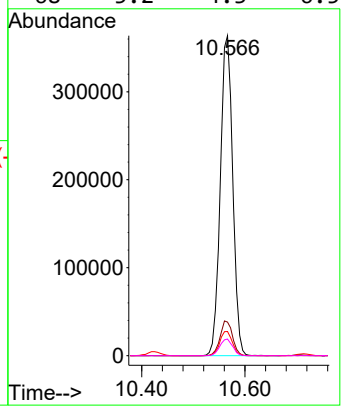




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:136 Resp: 60583

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.5	6.0	9.0
68	5.2	4.3	6.5



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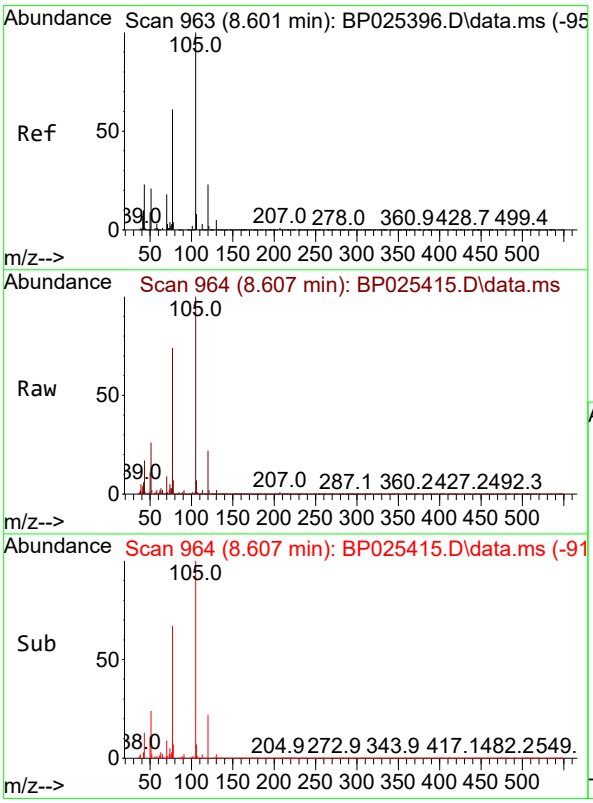
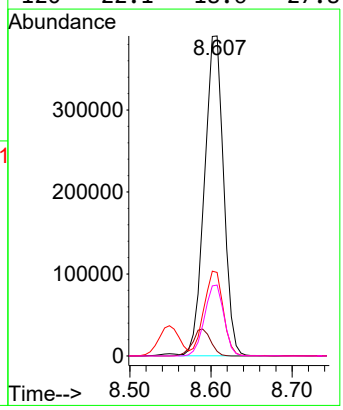
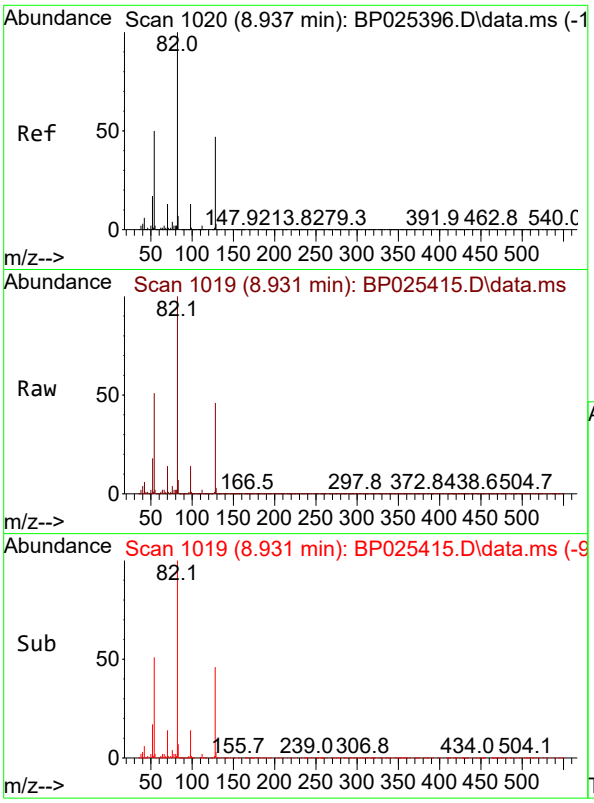


#22
Acetophenone
Concen: 42.059 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:105 Resp: 638997

Ion	Ratio	Lower	Upper
105	100		
71	1.4	2.6	4.0#
51	26.1	20.6	30.8
120	22.1	18.6	27.8

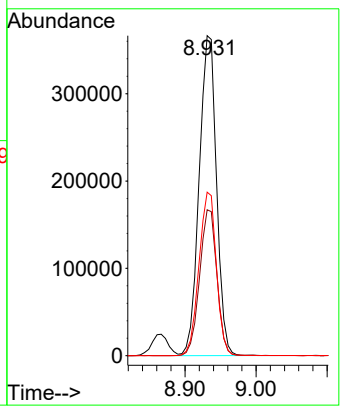




#23
Nitrobenzene-d5
Concen: 51.912 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 82 Resp: 62172

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.7	56.5
54	51.1	39.8	59.6



Instrument :
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ClientSampleId :
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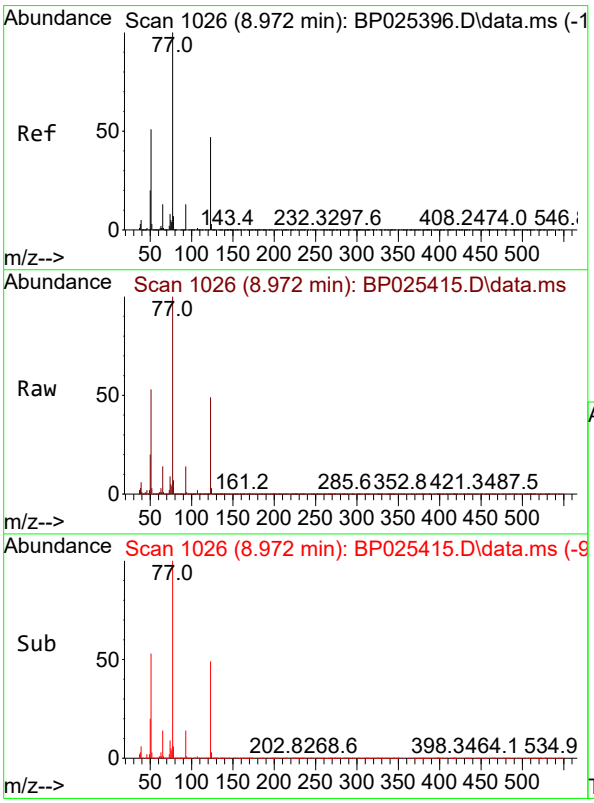
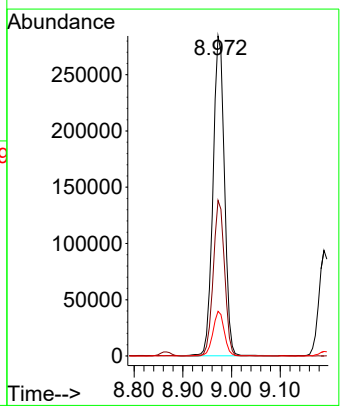
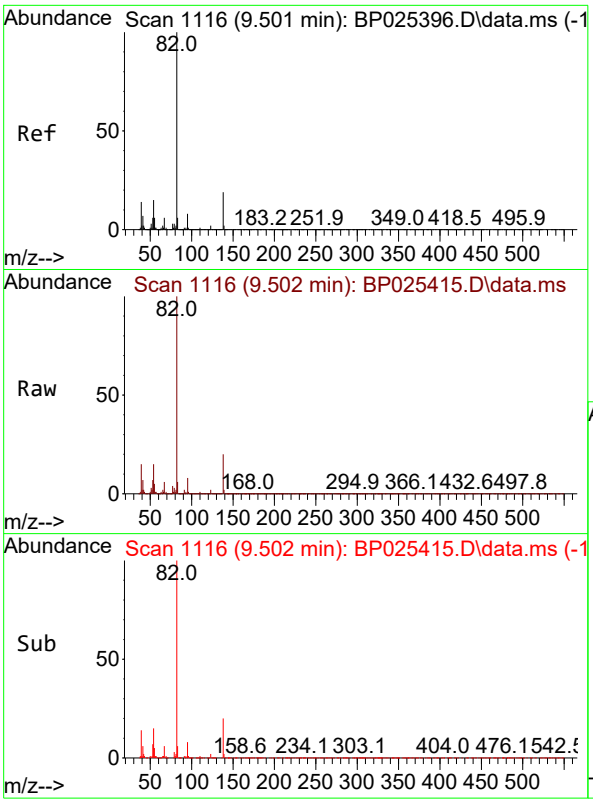


#24
Nitrobenzene
Concen: 43.258 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 77 Resp: 463016

Ion	Ratio	Lower	Upper
77	100		
123	48.6	38.6	58.0
65	14.0	10.6	15.8

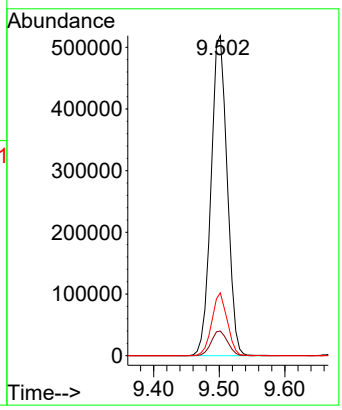




#25
Isophorone
Concen: 41.831 ng
RT: 9.502 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 82 Resp: 88662

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	19.7	15.4	23.0



Instrument :
BNA_P
ClientSampleId :
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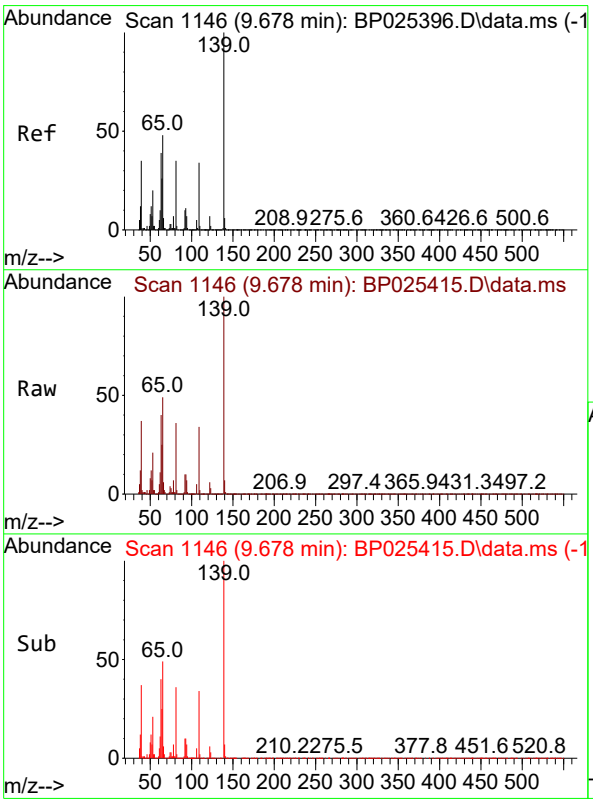
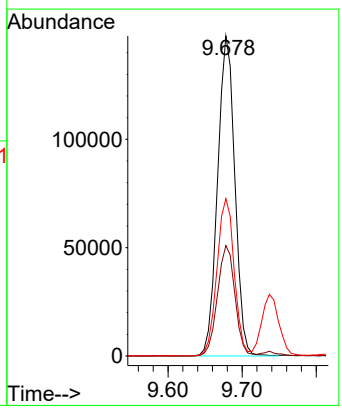
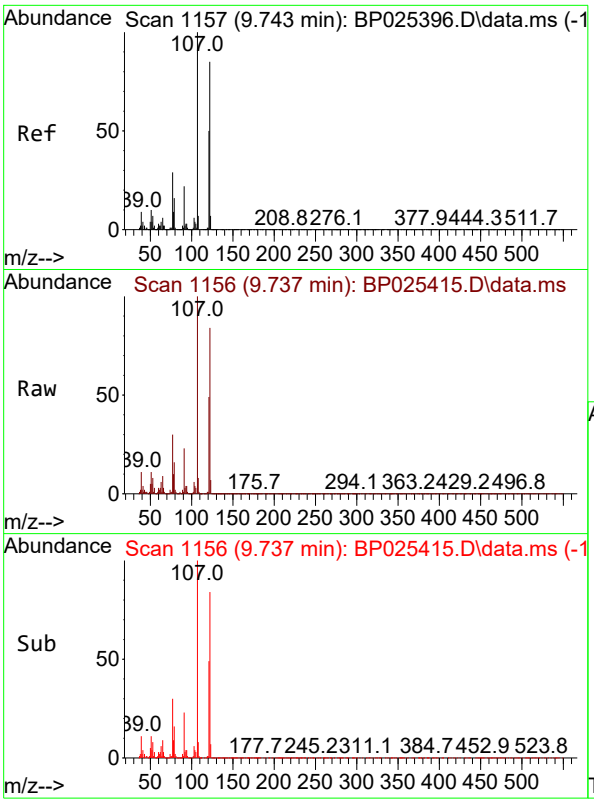


#26
2-Nitrophenol
Concen: 43.463 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:139 Resp: 238745

Ion	Ratio	Lower	Upper
139	100		
109	34.5	26.9	40.3
65	49.1	38.3	57.5

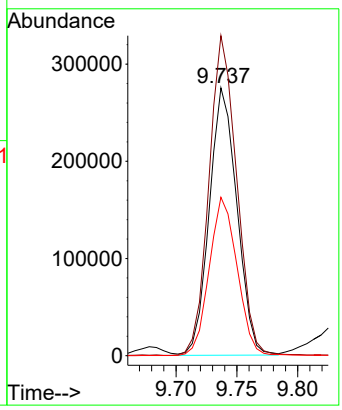




#27
2,4-Dimethylphenol
Concen: 45.989 ng
RT: 9.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:122 Resp: 43443

Ion	Ratio	Lower	Upper
122	100		
107	119.5	93.7	140.5
121	59.1	46.6	69.8



Instrument :
BNA_P
ClientSampleId :
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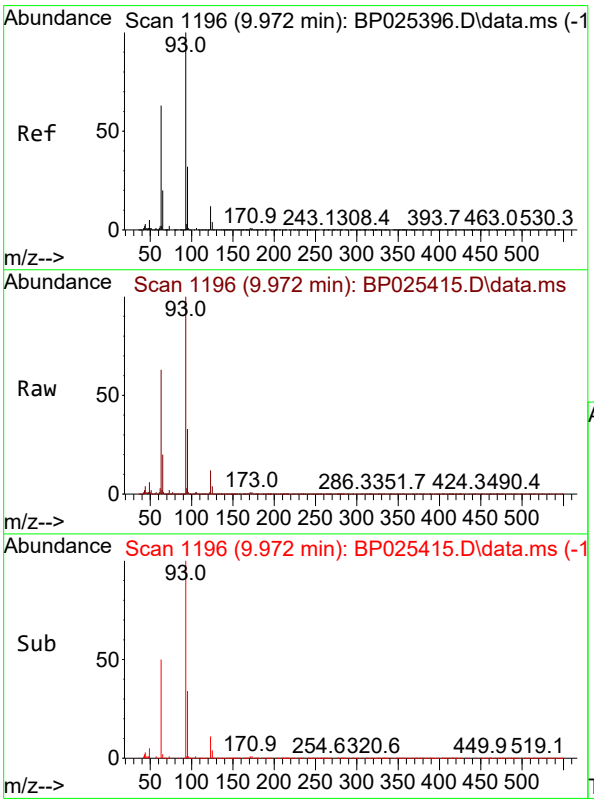
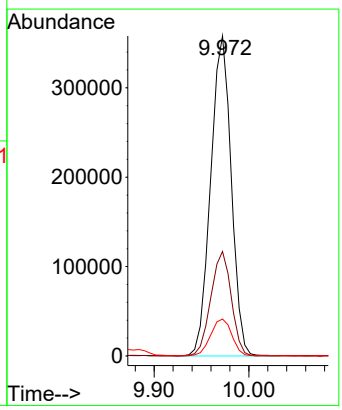
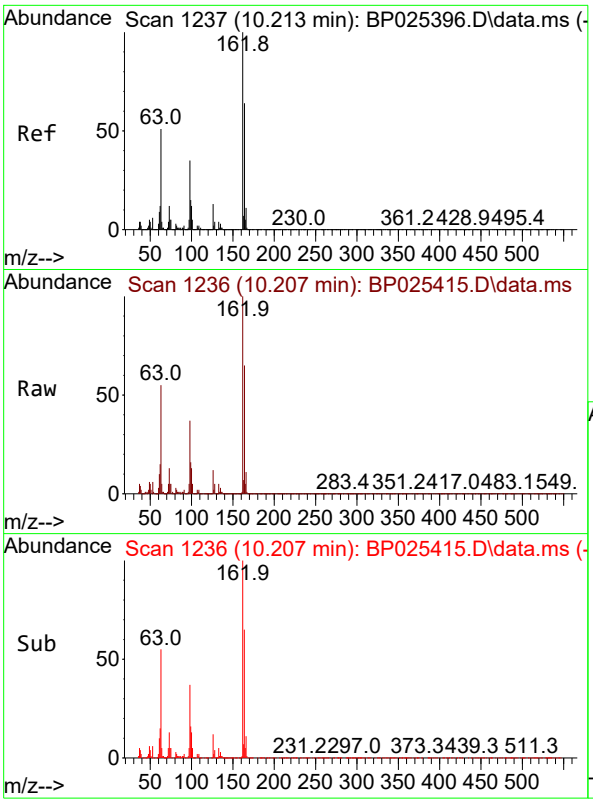


#28
bis(2-Chloroethoxy)methane
Concen: 42.224 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 93 Resp: 540971

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.5	9.4	14.0

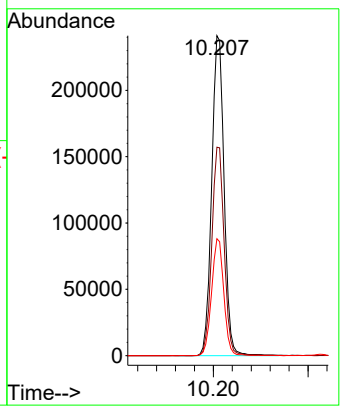




#29
2,4-Dichlorophenol
Concen: 46.651 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:162 Resp: 43777

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.4	84.4
98	36.6	14.9	54.9



Instrument :
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ClientSampleId :
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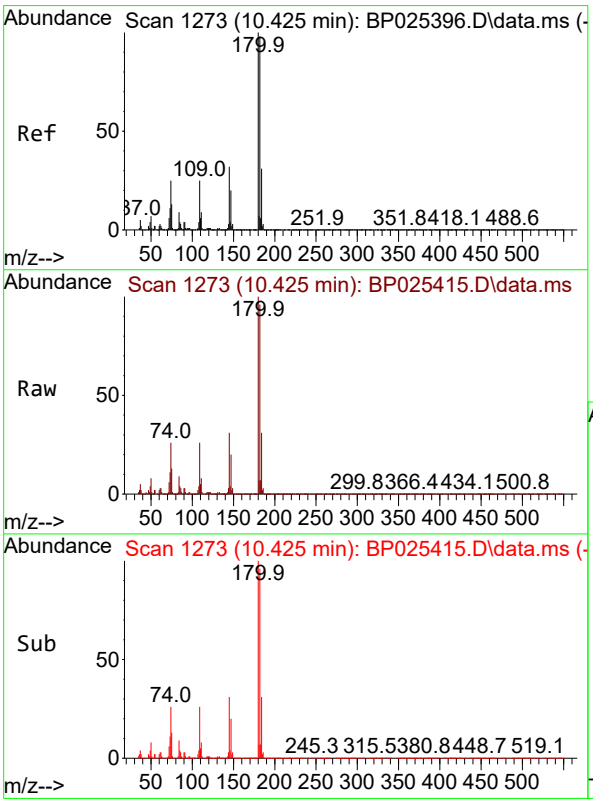
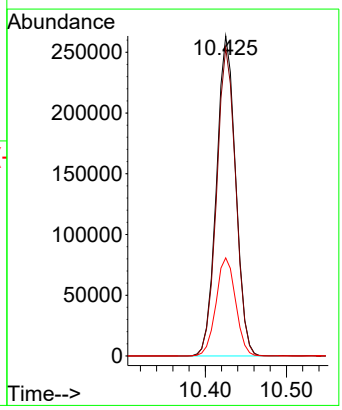
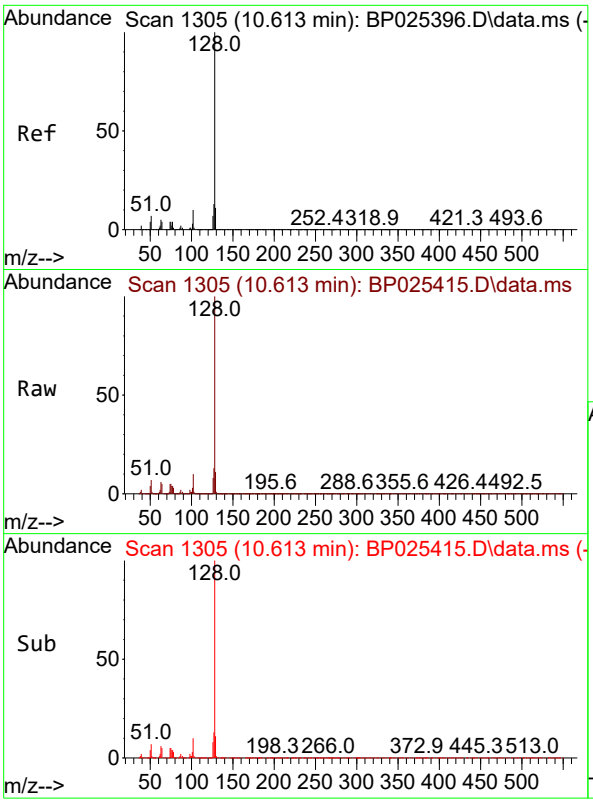


#30
1,2,4-Trichlorobenzene
Concen: 42.105 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:180 Resp: 433129

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.0	117.0
145	30.7	25.9	38.9

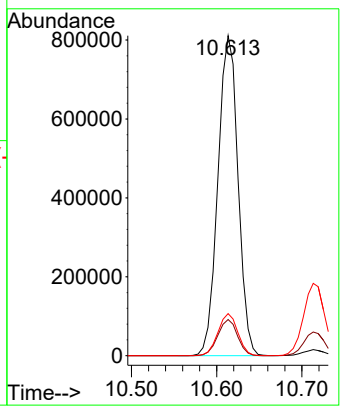




#31
Naphthalene
Concen: 42.238 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:128 Resp: 133000

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.1	10.7	16.1



Instrument :
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ClientSampleId :
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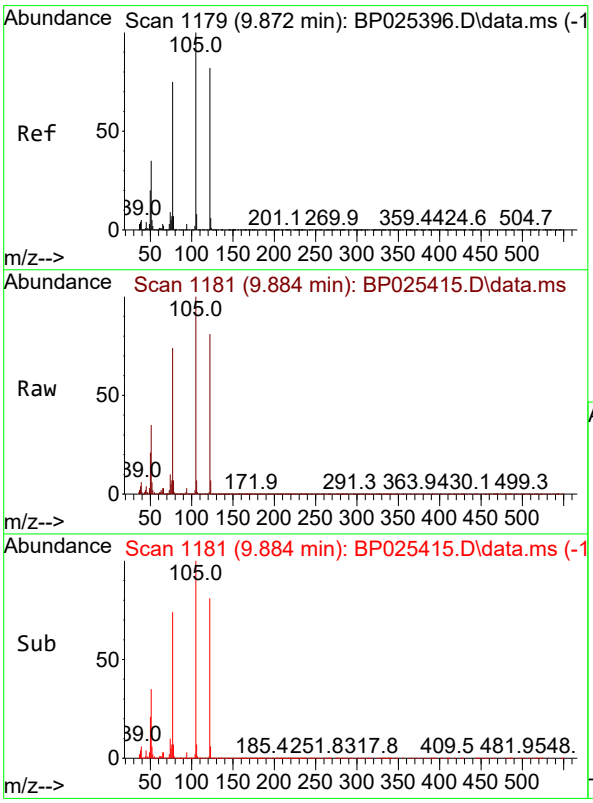
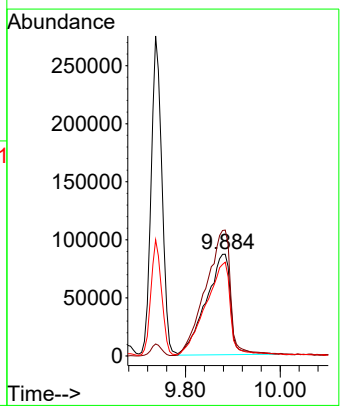
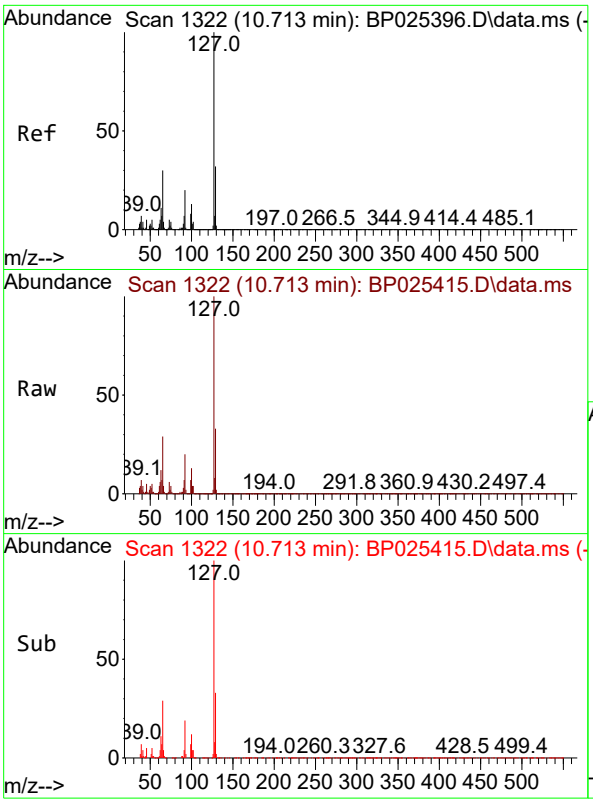


#32
Benzoic acid
Concen: 44.638 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:122 Resp: 311312

Ion	Ratio	Lower	Upper
122	100		
105	123.6	100.6	140.6
77	92.0	71.5	111.5

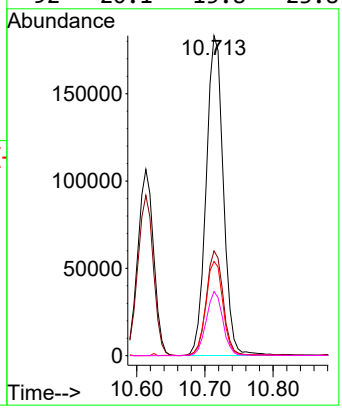




#33
4-Chloroaniline
Concen: 23.081 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:127 Resp: 32103

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	29.5	23.8	35.6
92	20.1	15.8	23.8



Instrument :
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ClientSampleId :
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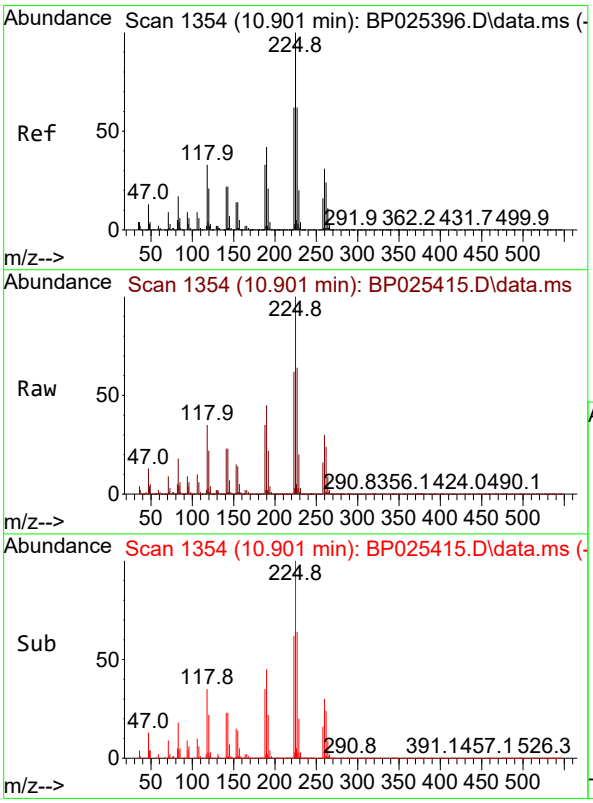
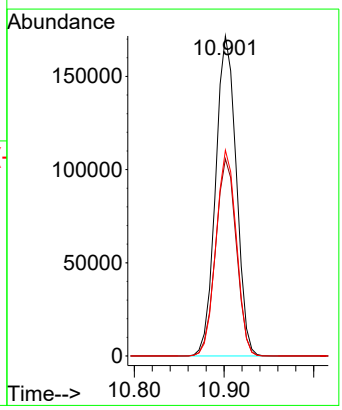
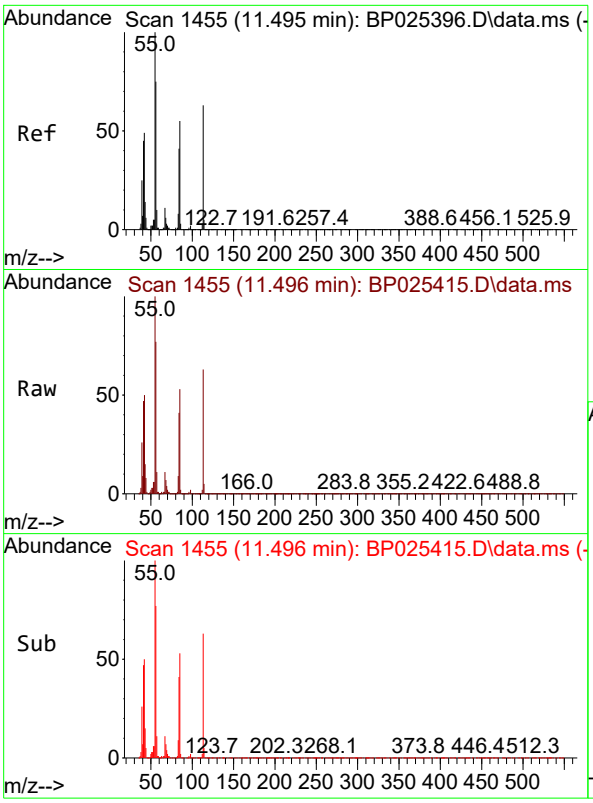


#34
Hexachlorobutadiene
Concen: 42.806 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:225 Resp: 274233

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	64.3	49.7	74.5

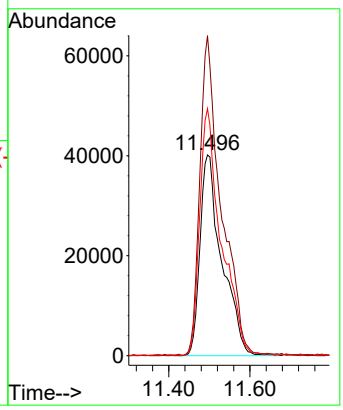




#35
Caprolactam
Concen: 43.572 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:113 Resp: 14992

Ion	Ratio	Lower	Upper
113	100		
55	159.4	140.0	180.0
56	123.0	100.0	140.0



Instrument :
BNA_P
ClientSampleId :
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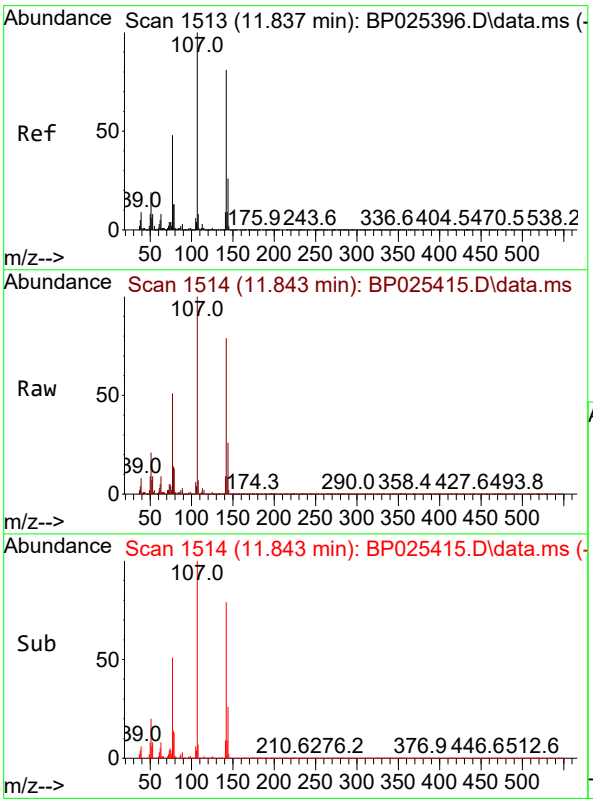
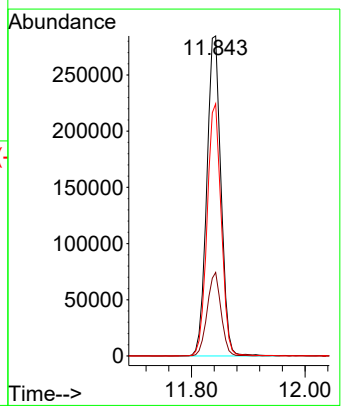
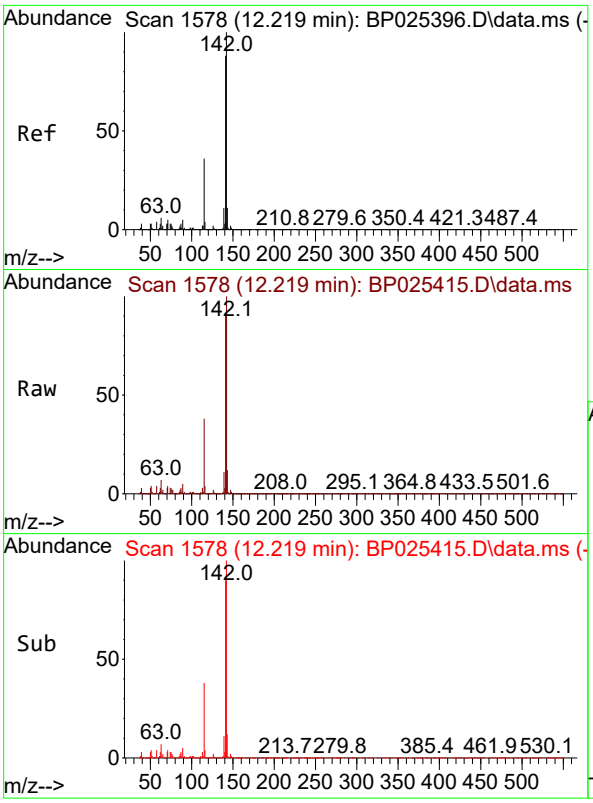


#36
4-Chloro-3-methylphenol
Concen: 45.638 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:107 Resp: 491428

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	78.8	64.6	97.0

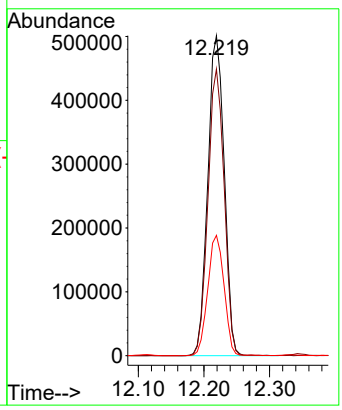




#37
2-Methylnaphthalene
Concen: 42.539 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:142 Resp: 87169

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.3	105.5
115	37.6	28.9	43.3



Instrument :
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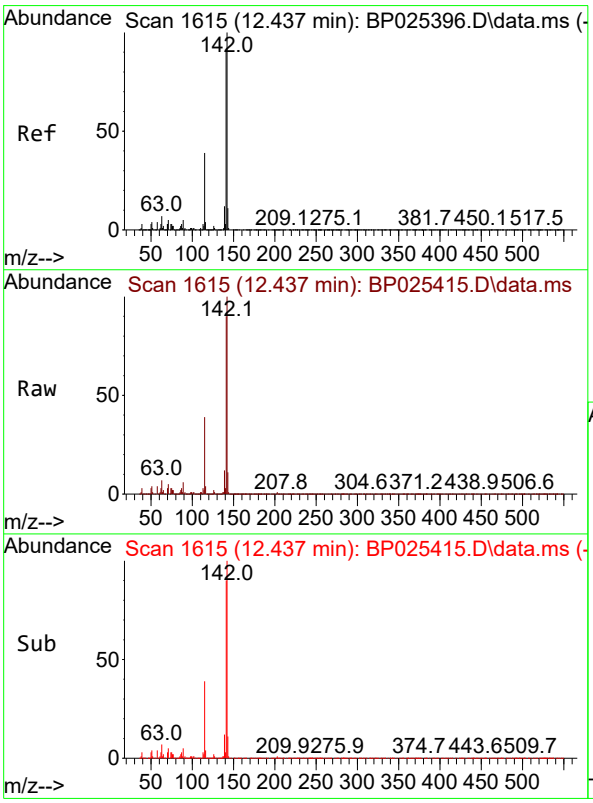
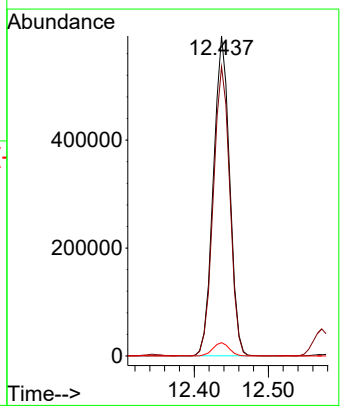
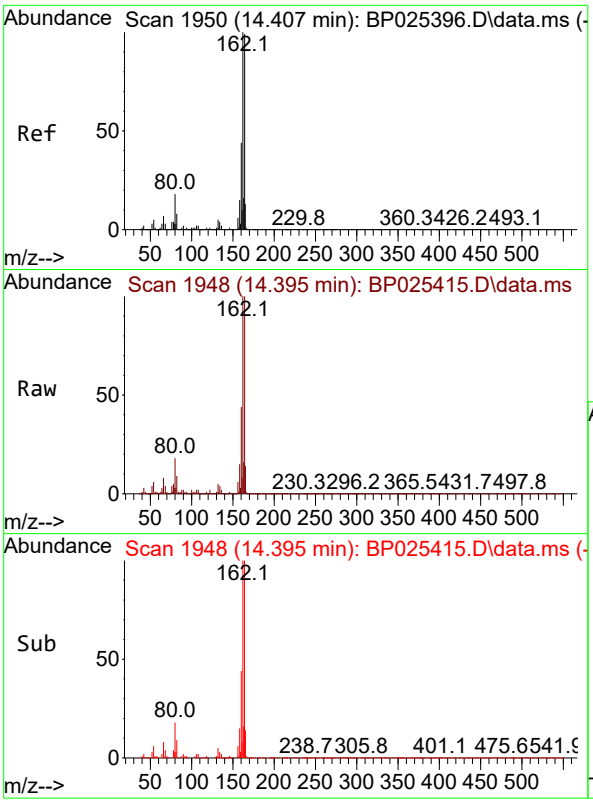


#38
1-Methylnaphthalene
Concen: 41.432 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:142 Resp: 902892

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.1	109.7
116	4.2	3.2	4.8

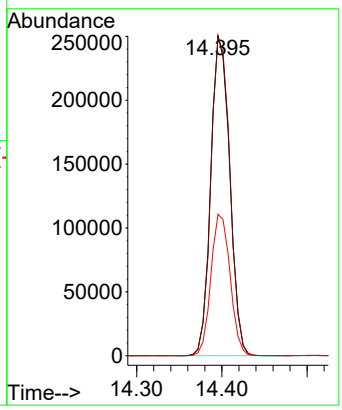




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:164 Resp: 38632

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.2	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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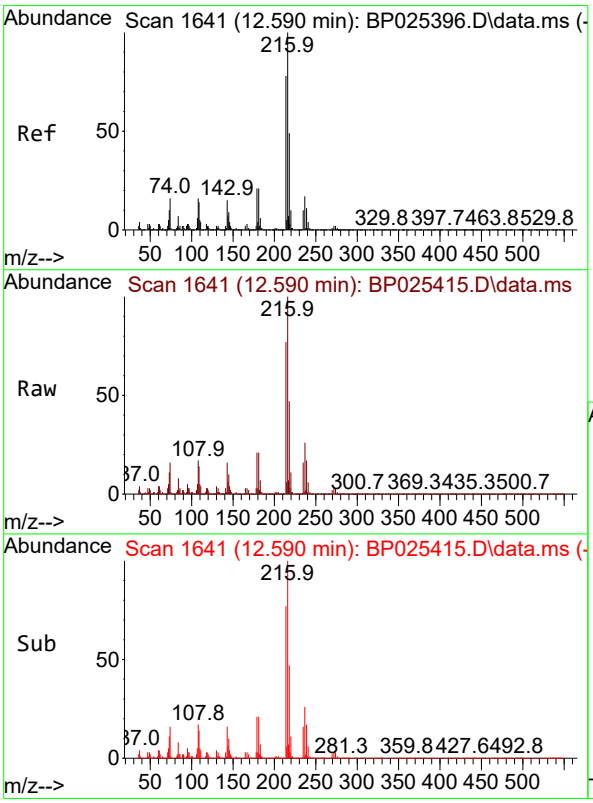
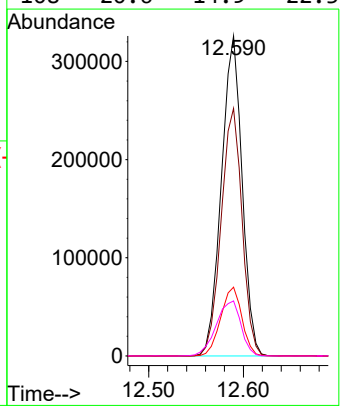
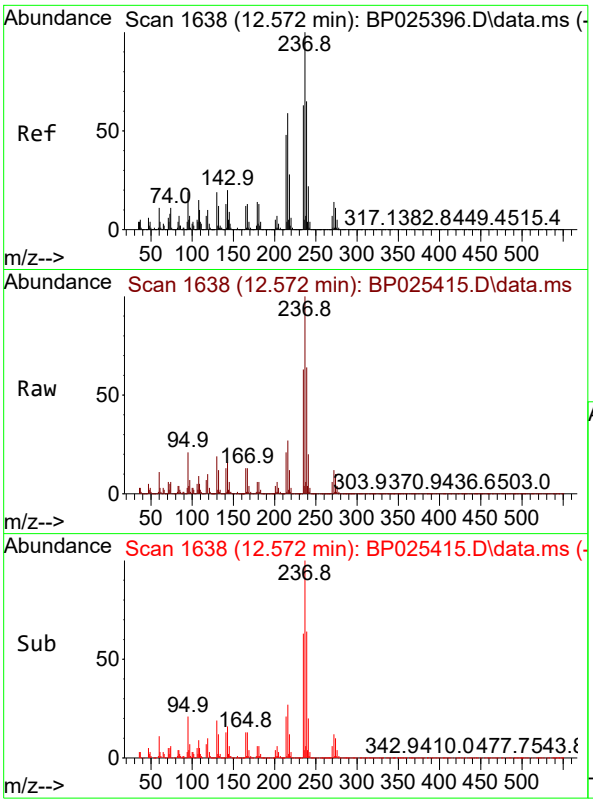


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.368 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:216 Resp: 495028

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	22.0	17.1	25.7
108	20.6	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 87.099 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:237 Resp: 58700

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.7	82.7
272	12.4	0.0	34.0

Instrument :
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ClientSampleId :
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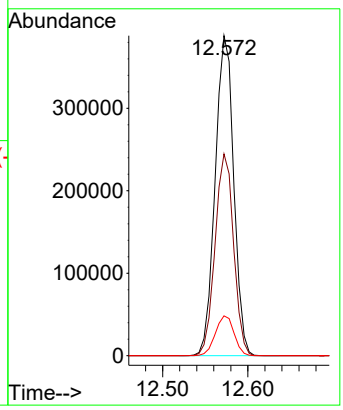
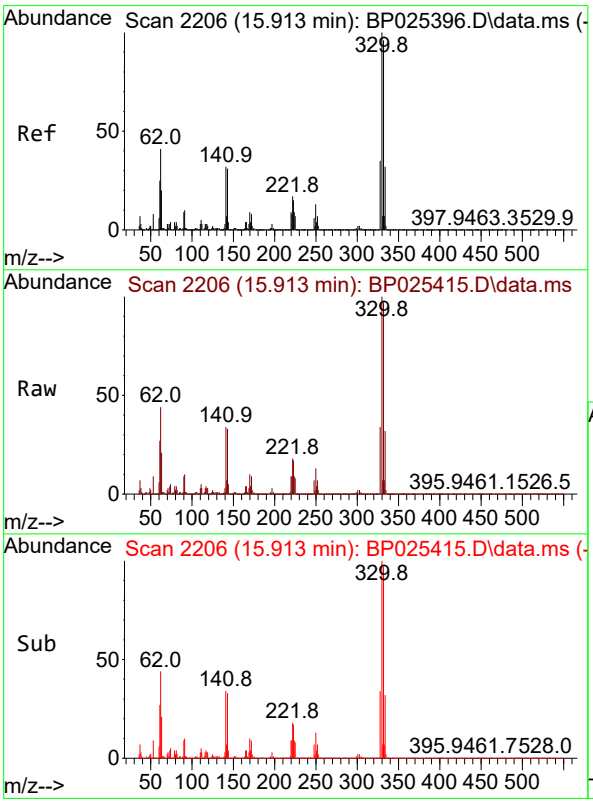
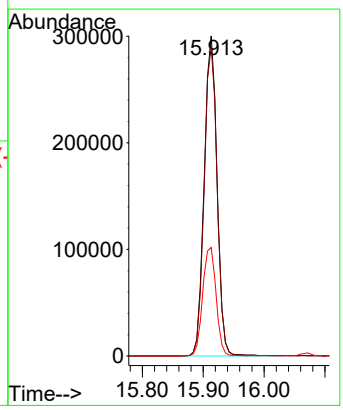


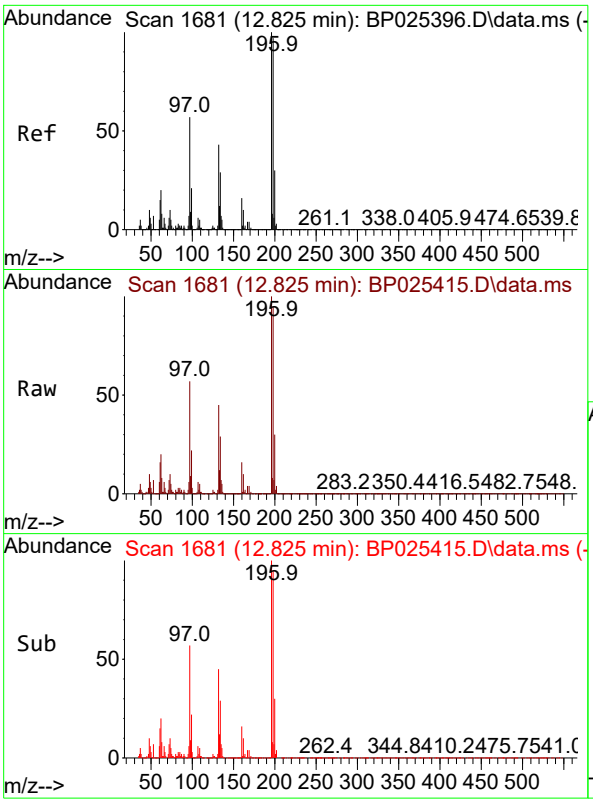


#42
2,4,6-Tribromophenol
Concen: 84.833 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:330 Resp: 441123

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	35.4	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 46.764 ng
RT: 12.825 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:196 Resp: 35225(

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.2	115.8
200	30.3	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
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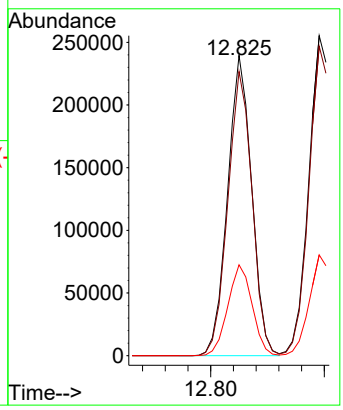
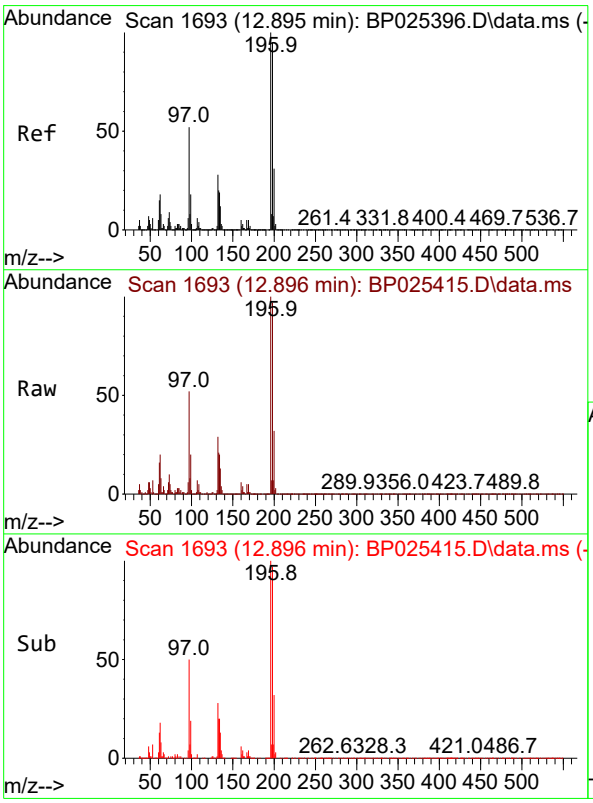
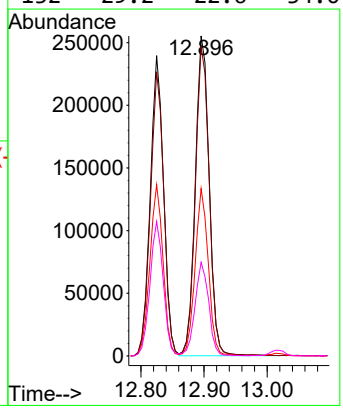


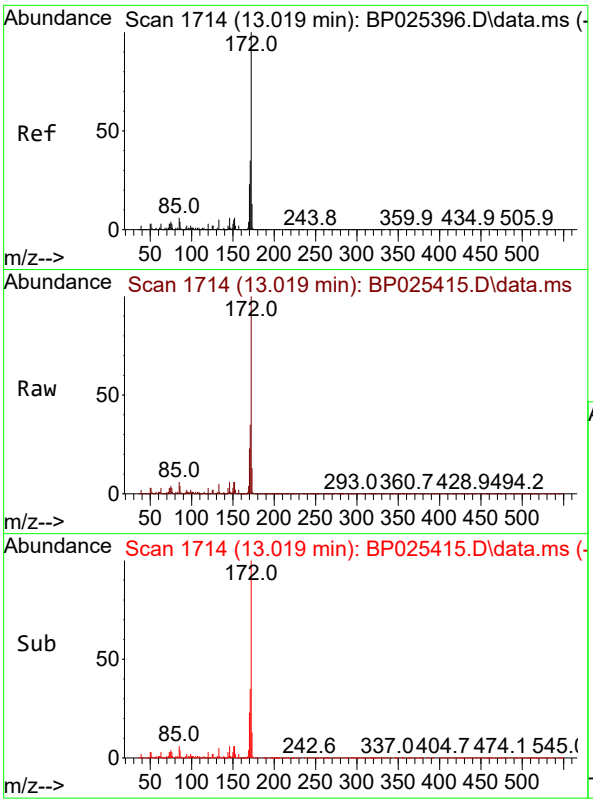


#44
2,4,5-Trichlorophenol
Concen: 47.317 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:196 Resp: 390615

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.2	114.2
97	52.3	41.2	61.8
132	29.2	22.6	34.0

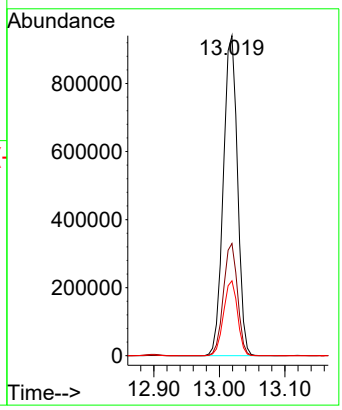




#45
2-Fluorobiphenyl
Concen: 49.758 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:172 Resp: 140652

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0



Instrument :
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ClientSampleId :
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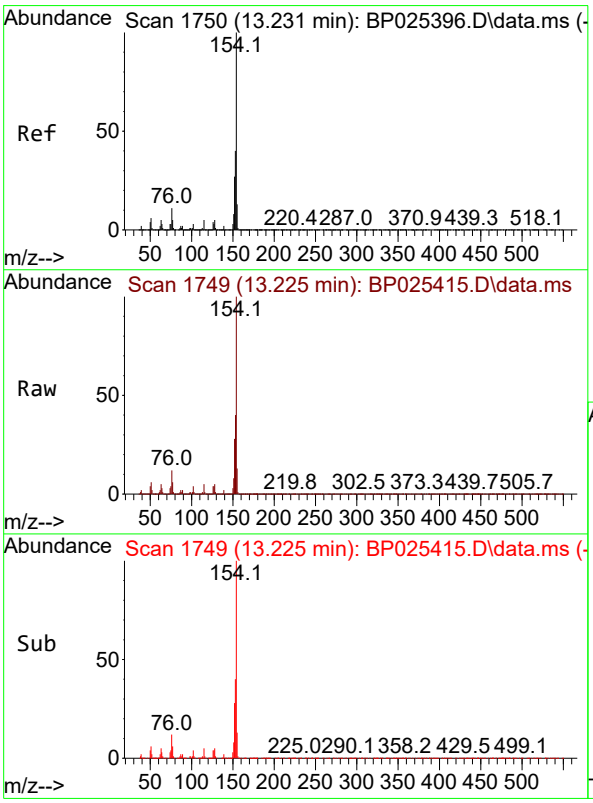
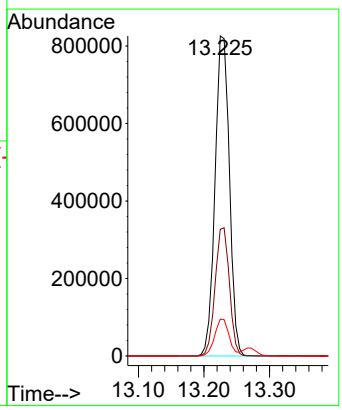
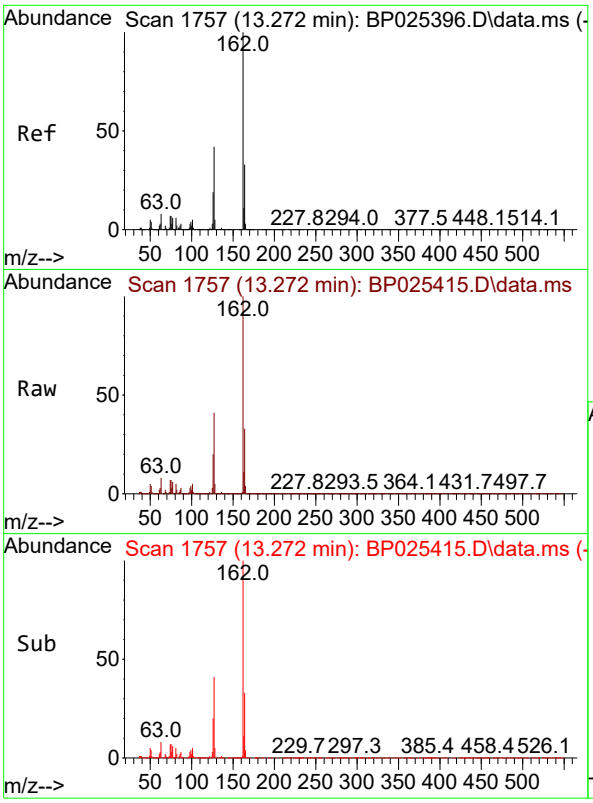


#46
1,1'-Biphenyl
Concen: 44.583 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:154 Resp: 1250868

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.5	59.5
76	11.5	0.0	31.1

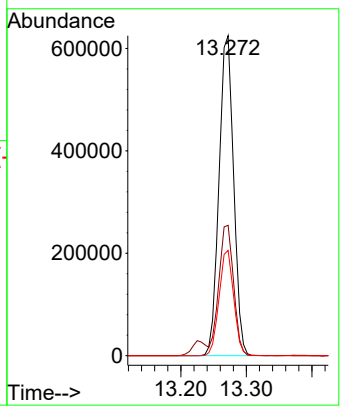




#47
2-Chloronaphthalene
Concen: 44.103 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:162 Resp: 96330

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.4	50.2
164	32.9	26.2	39.2



Instrument :
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ClientSampleId :
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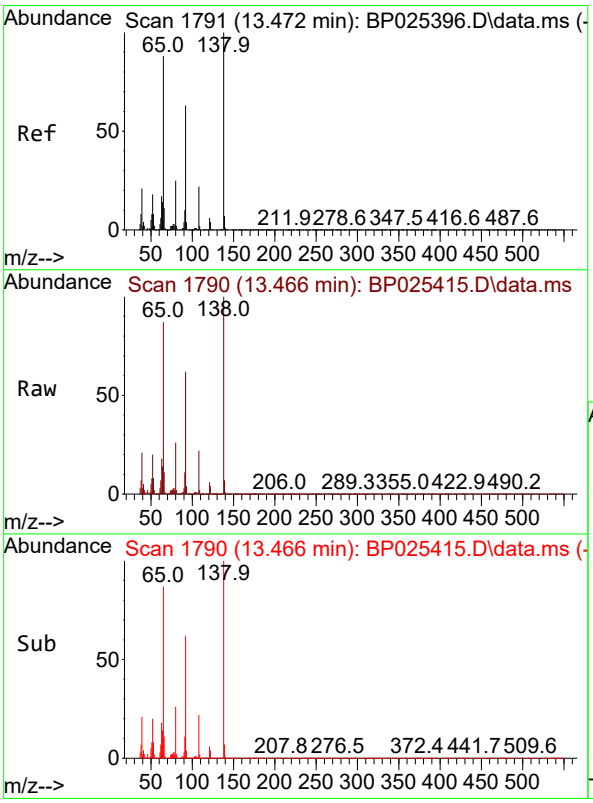
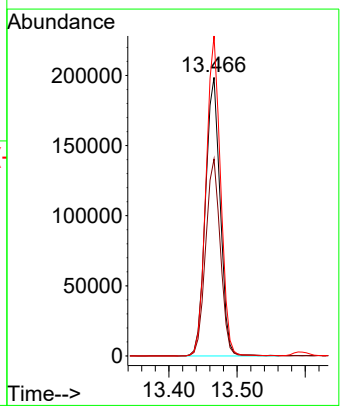
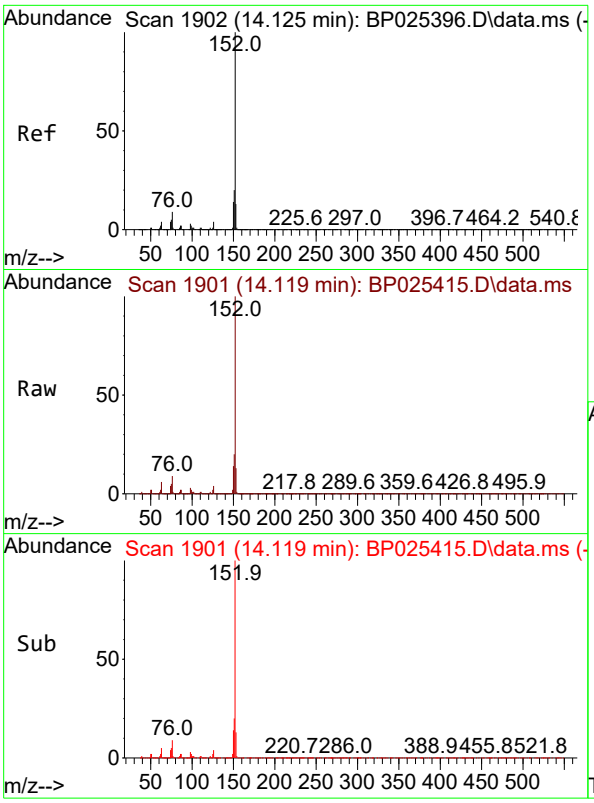


#48
2-Nitroaniline
Concen: 46.787 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 65 Resp: 297760

Ion	Ratio	Lower	Upper
65	100		
92	70.7	57.6	86.4
138	114.9	91.0	136.6

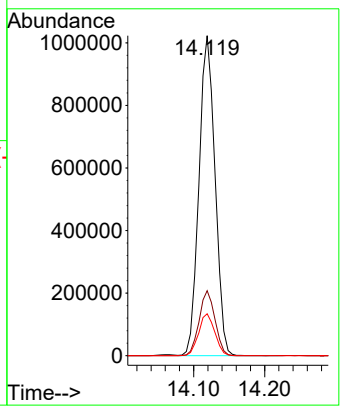




#49
Acenaphthylene
Concen: 44.601 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:152 Resp: 161199

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.1	10.6	15.8



Instrument :
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ClientSampleId :
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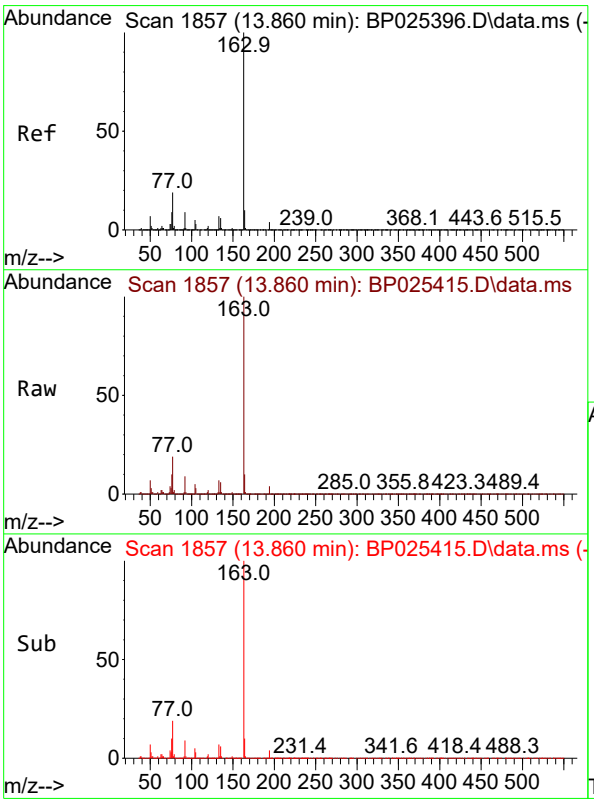
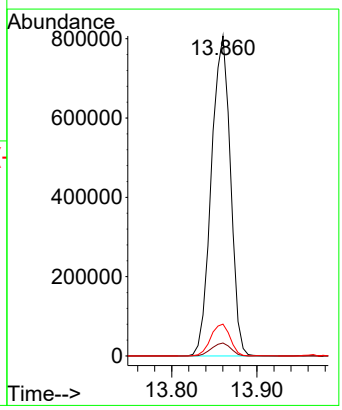
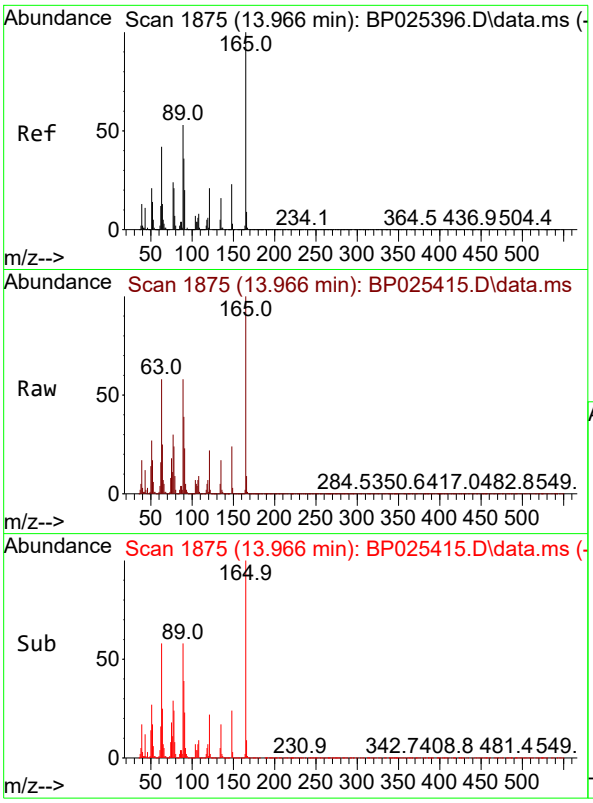


#50
Dimethylphthalate
Concen: 44.335 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:163 Resp: 1254219

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 45.226 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:165 Resp: 26967

Ion	Ratio	Lower	Upper
165	100		
63	57.6	40.9	61.3
89	58.4	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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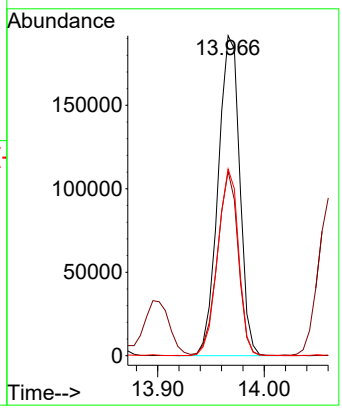
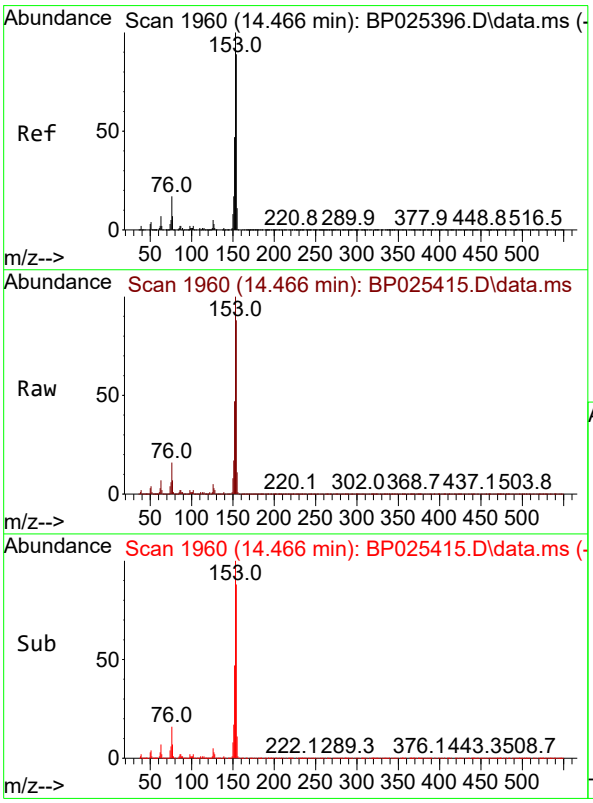
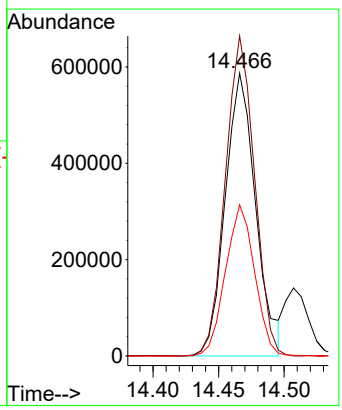


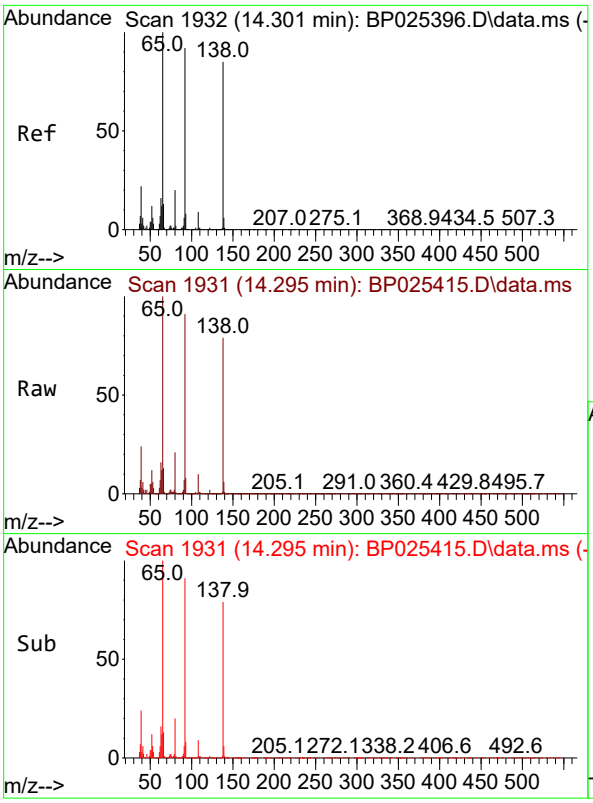


#52
Acenaphthene
Concen: 44.752 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:154 Resp: 949405

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.2	135.2
152	53.5	42.1	63.1





#53
3-Nitroaniline
Concen: 29.801 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:138 Resp: 19992

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	114.9	86.2	129.2

Instrument :
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ClientSampleId :
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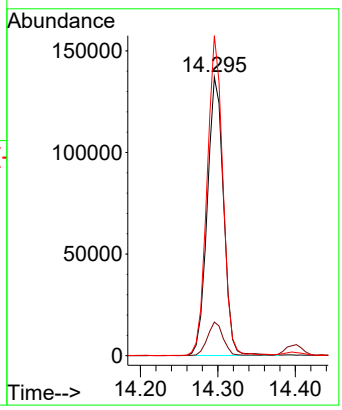
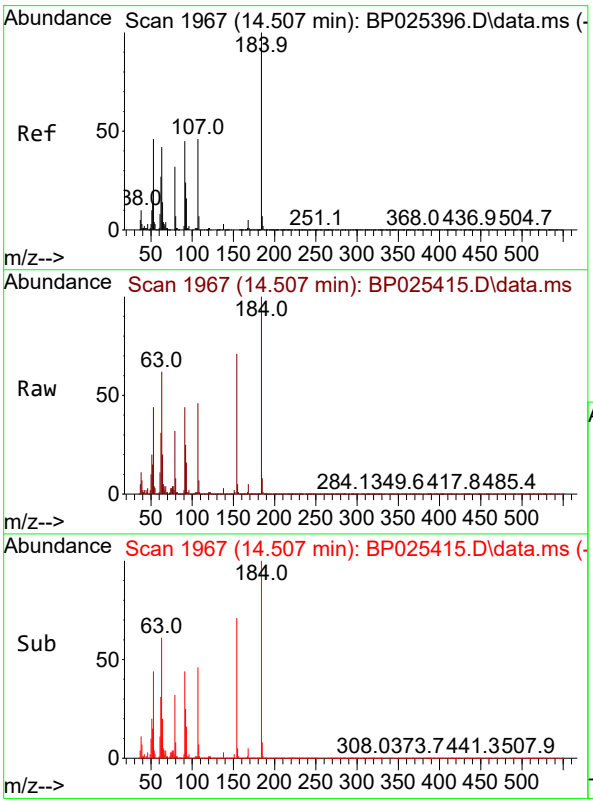
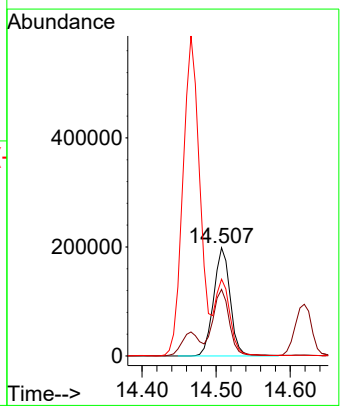


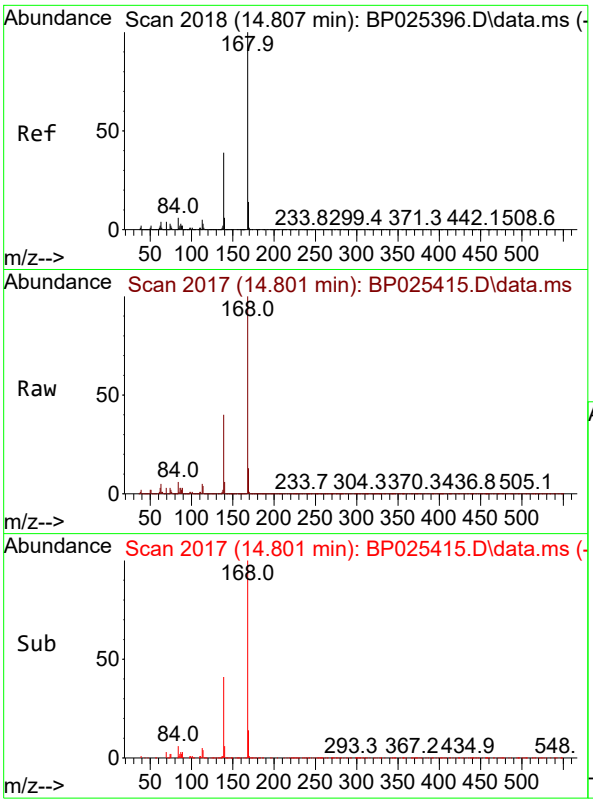


#54
2,4-Dinitrophenol
Concen: 96.691 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:184 Resp: 307887

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.4	74.2
154	71.1	54.6	82.0

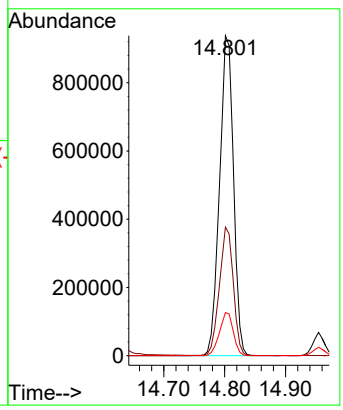




#55
Dibenzofuran
Concen: 44.417 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:168 Resp: 148978

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.5	47.3
169	13.5	10.9	16.3



Instrument :
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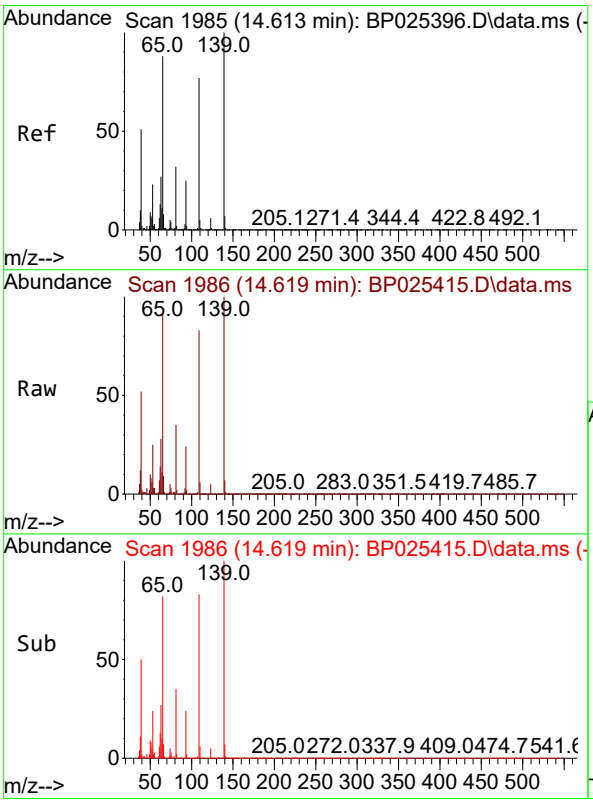
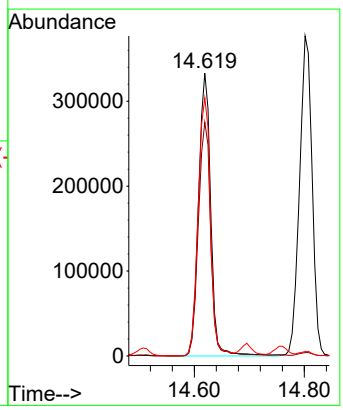
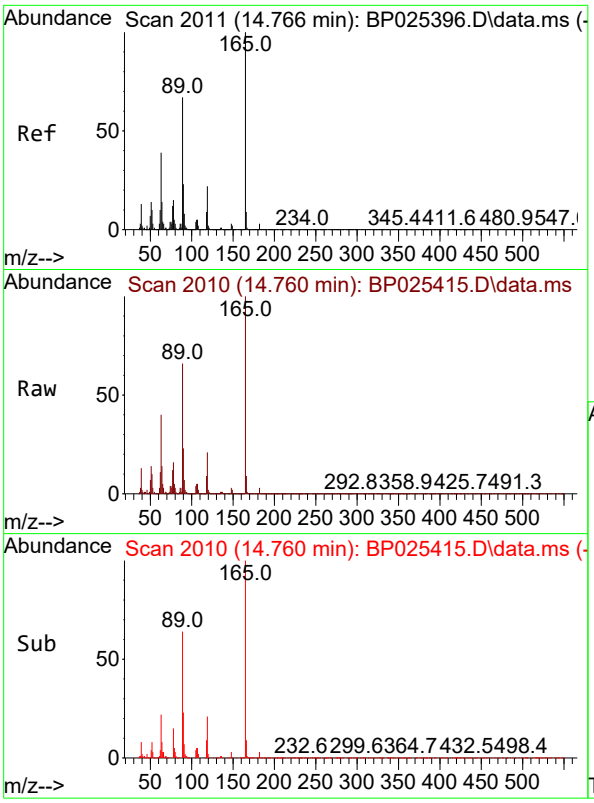


#56
4-Nitrophenol
Concen: 93.200 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:139 Resp: 513780

Ion	Ratio	Lower	Upper
139	100		
109	82.7	56.6	96.6
65	91.3	68.2	108.2

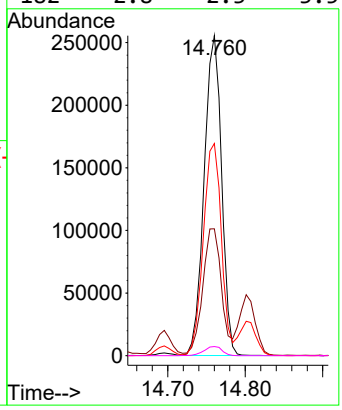




#57
2,4-Dinitrotoluene
Concen: 47.011 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:165 Resp: 39993

Ion	Ratio	Lower	Upper
165	100		
63	39.7	31.4	47.2
89	66.3	53.3	79.9
182	2.8	2.3	3.5



Instrument :
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ClientSampleId :
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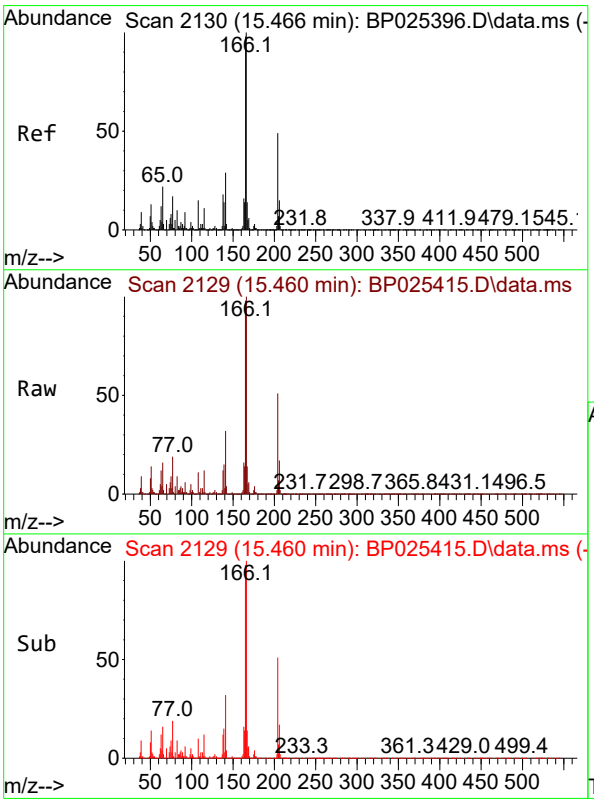
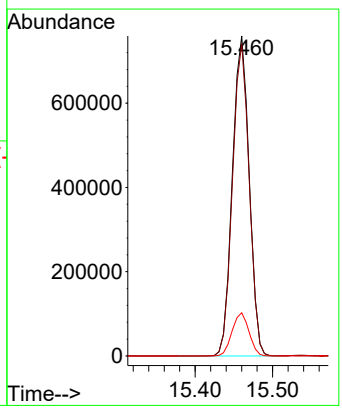
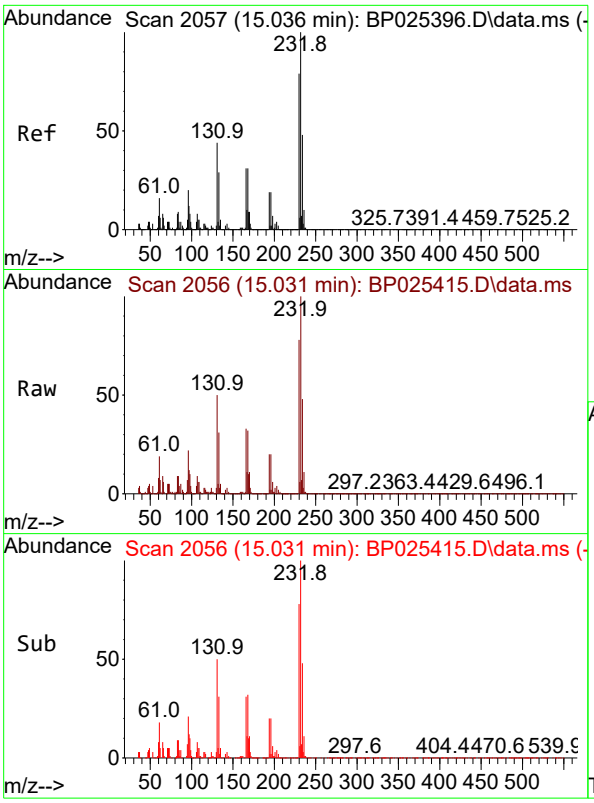


#58
Fluorene
Concen: 43.175 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:166 Resp: 1142677

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.5	11.0	16.4

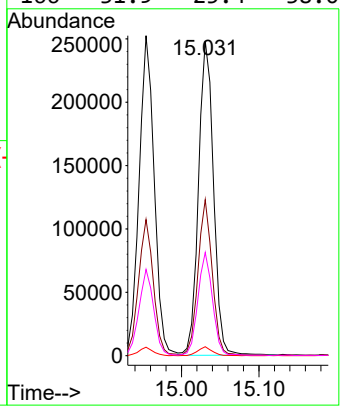




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.866 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:232 Resp: 33433

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.0	55.6
130	2.7	1.9	2.9
166	31.9	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
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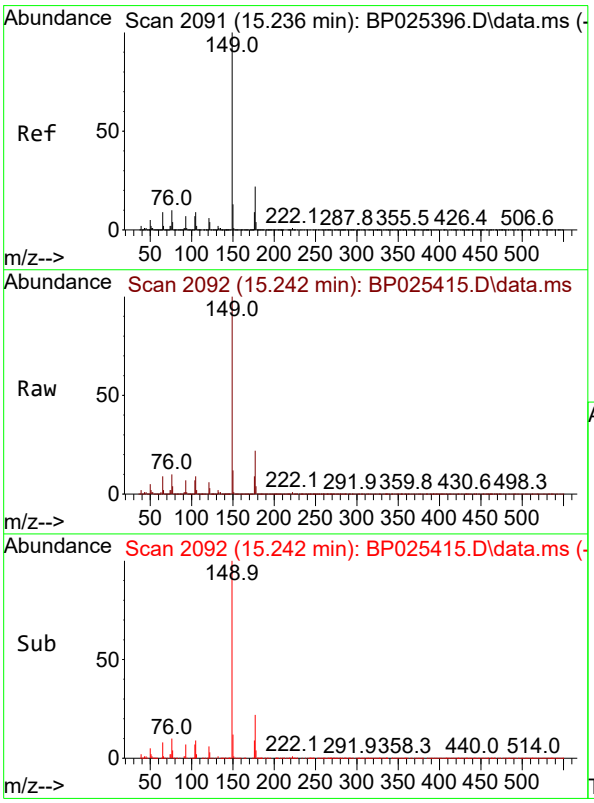
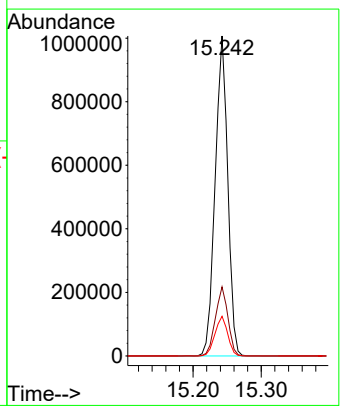
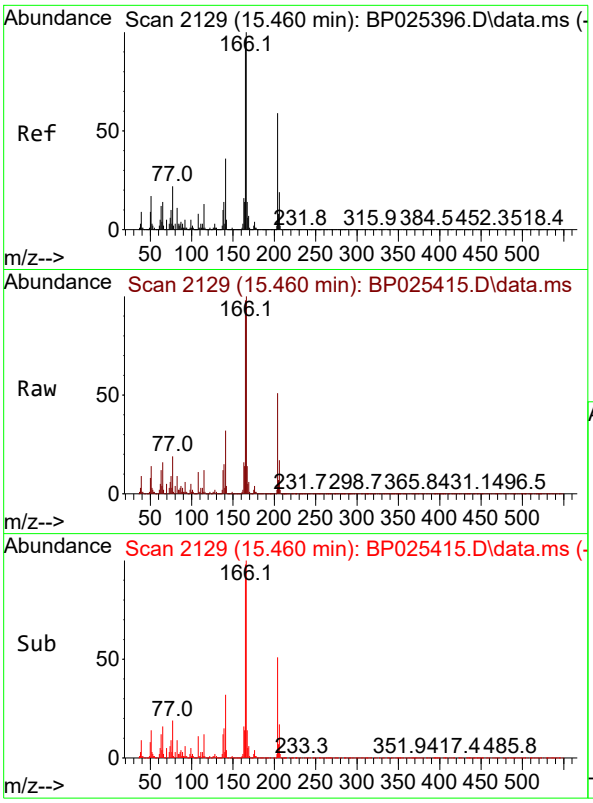


#60
Diethylphthalate
Concen: 44.982 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1293019

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.4	10.3	15.5

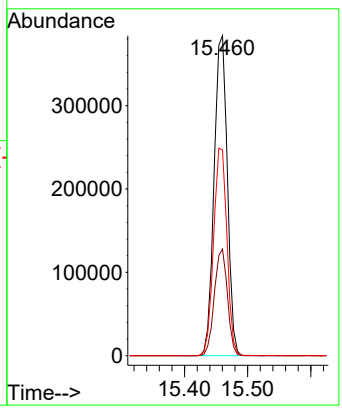




#61
4-Chlorophenyl-phenylether
Concen: 42.468 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:204 Resp: 55898

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.8
141	64.3	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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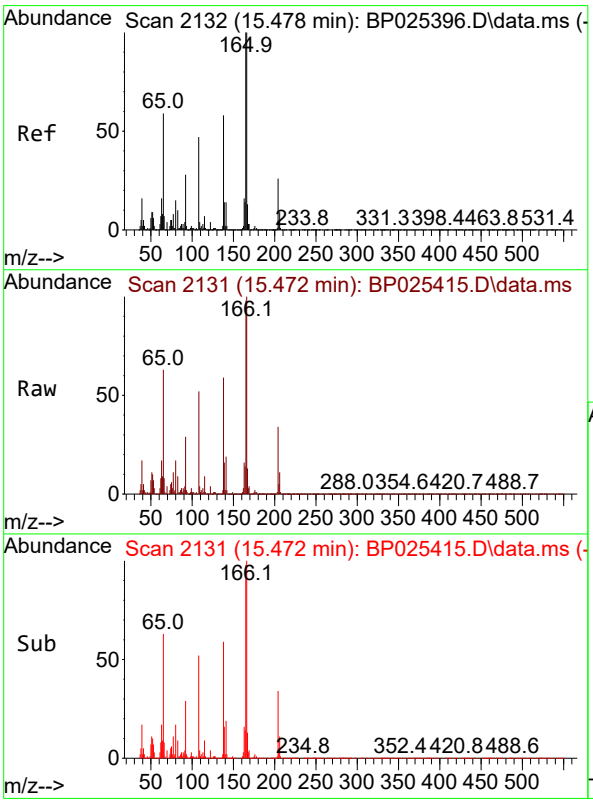
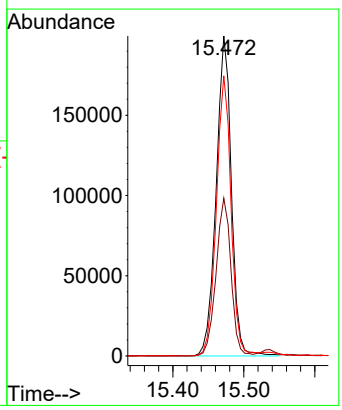
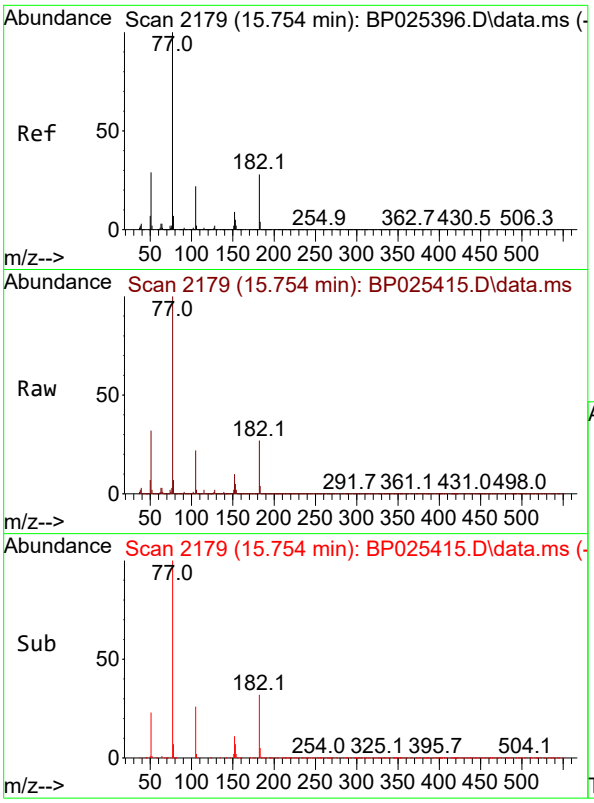


#62
4-Nitroaniline
Concen: 43.007 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:138 Resp: 295780

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.1	69.1
108	87.5	61.5	101.5

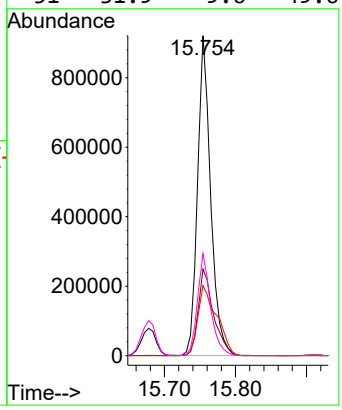




#63
Azobenzene
Concen: 48.126 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 77 Resp: 118456

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.5	47.5
105	21.9	2.1	42.1
51	31.9	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
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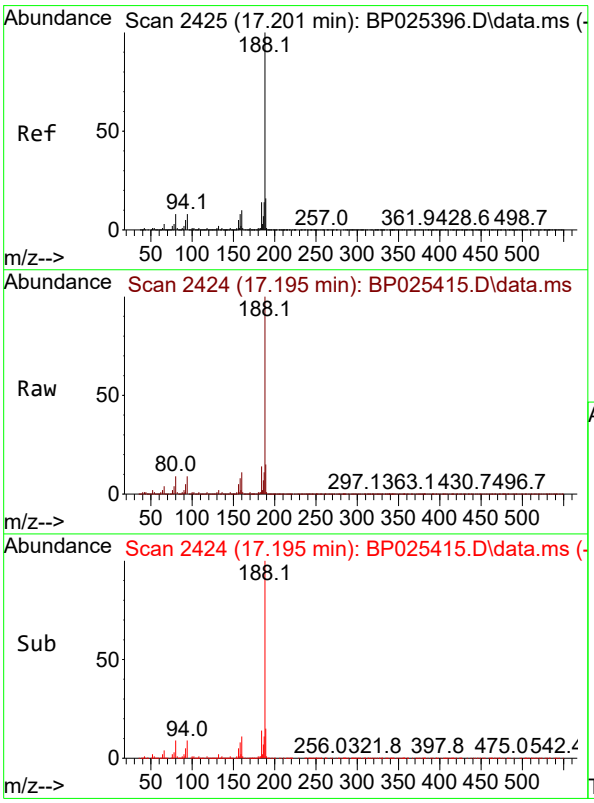
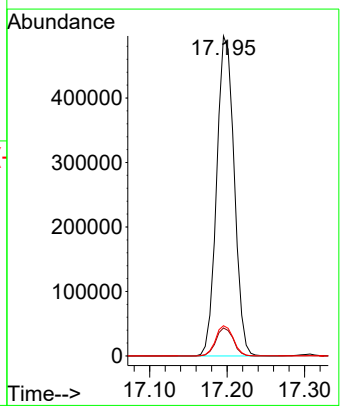
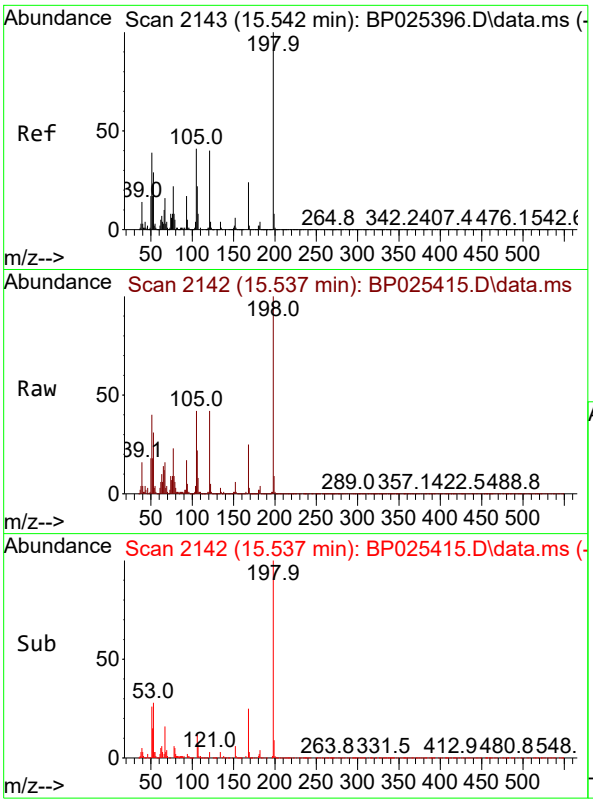


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:188 Resp: 780287

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.5	6.7	10.1





#65
4,6-Dinitro-2-methylphenol
Concen: 45.637 ng
RT: 15.537 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:198 Resp: 22197

Ion	Ratio	Lower	Upper
198	100		
51	40.3	19.6	59.6
105	41.9	20.9	60.9

Instrument :
BNA_P
ClientSampleId :
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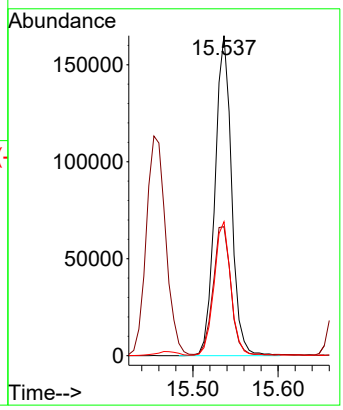
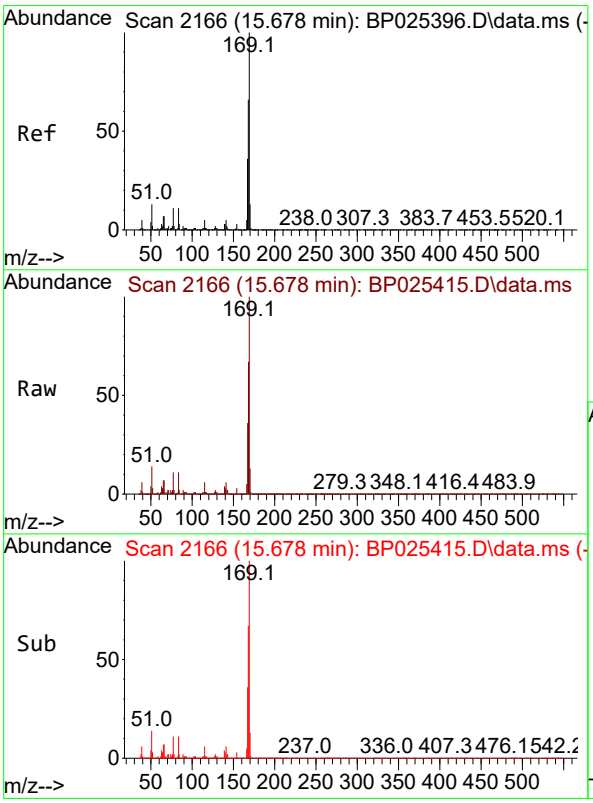
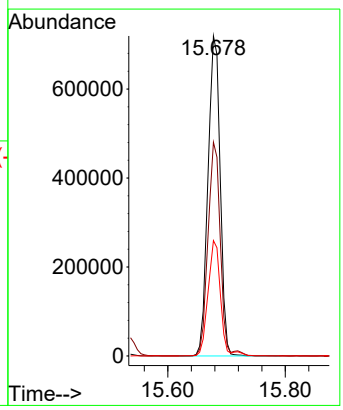


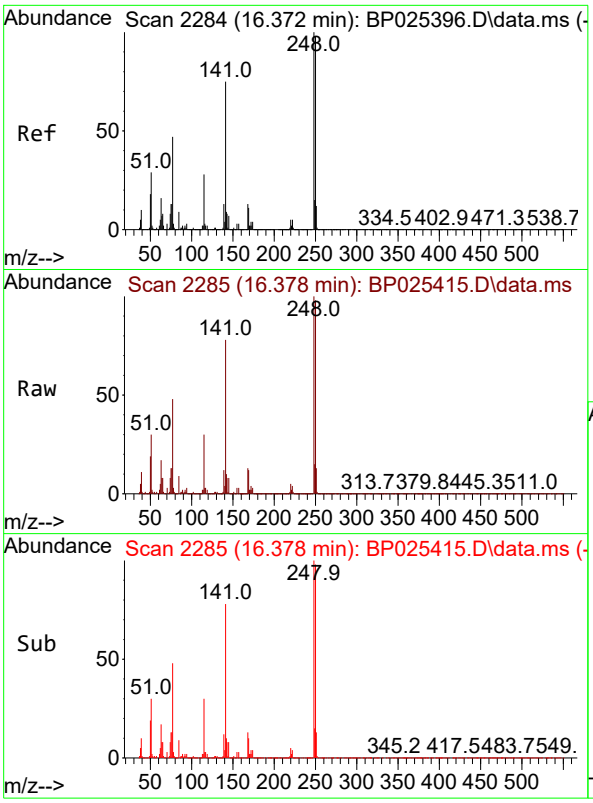


#66
n-Nitrosodiphenylamine
Concen: 43.502 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:169 Resp: 1035094

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 43.613 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:248 Resp: 37427

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.2	117.2
141	78.1	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
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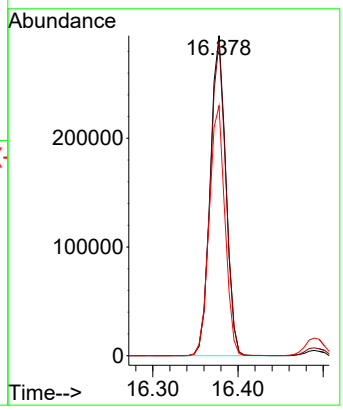
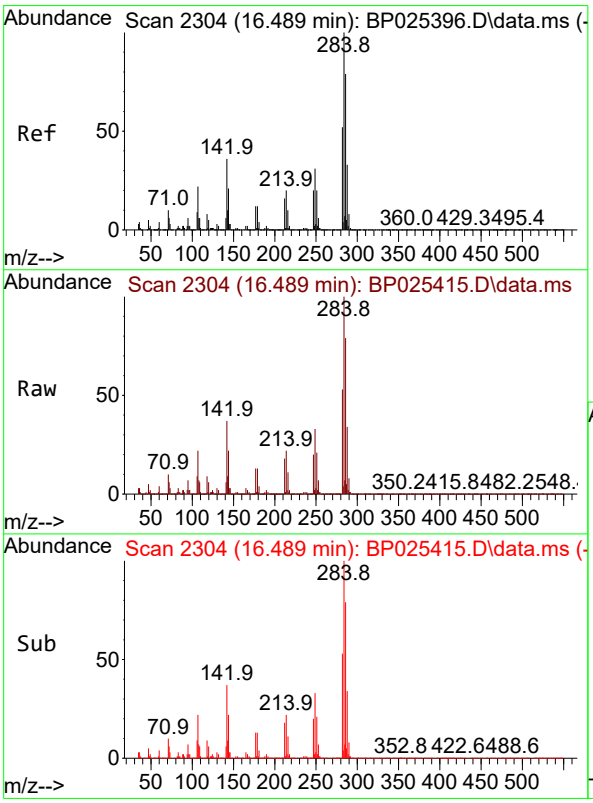
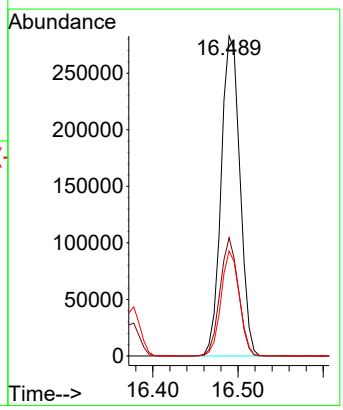


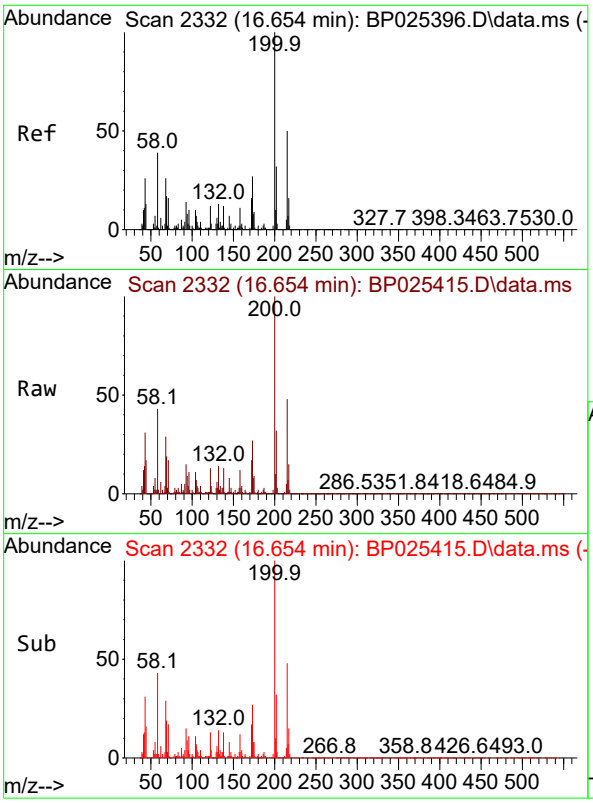


#68
Hexachlorobenzene
Concen: 43.489 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:284 Resp: 432625

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.1	43.7
249	32.8	25.0	37.4





#69
Atrazine
Concen: 44.758 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:200 Resp: 39884

Ion	Ratio	Lower	Upper
200	100		
173	27.2	6.7	46.7
215	48.3	29.7	69.7

Instrument :
BNA_P
ClientSampleId :
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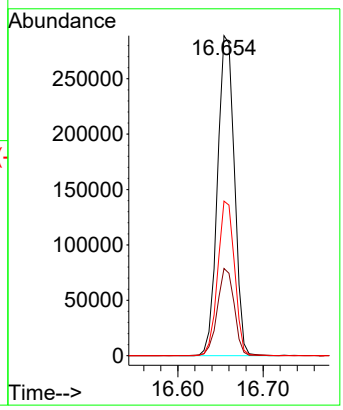
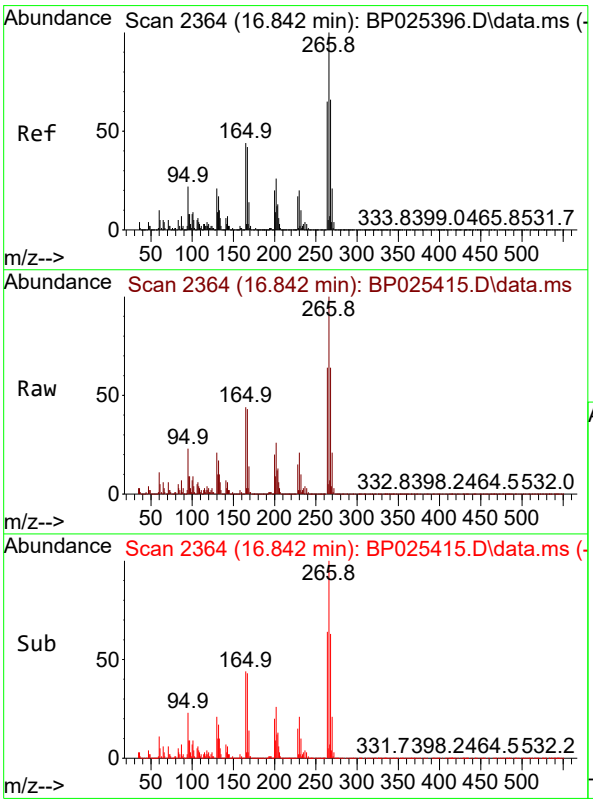
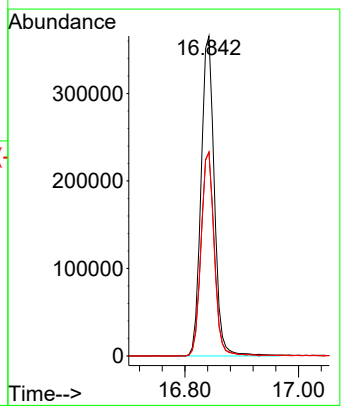


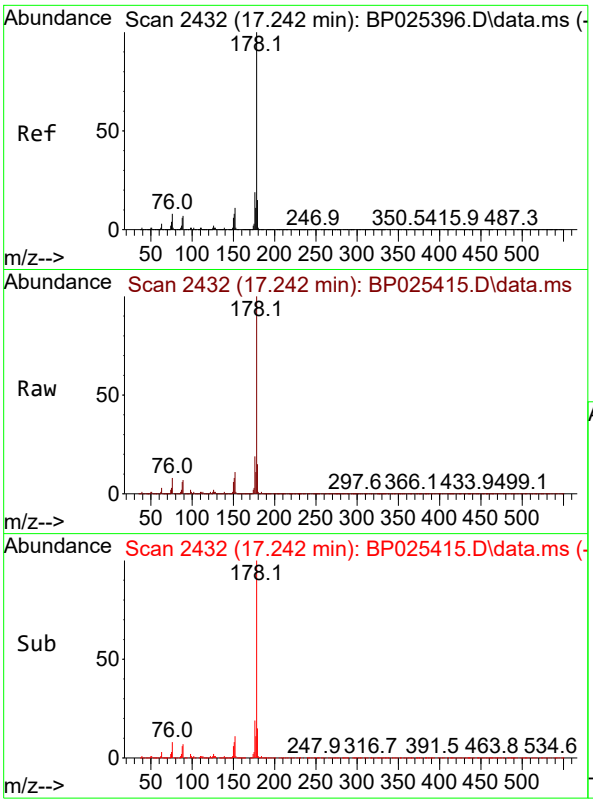


#70
Pentachlorophenol
Concen: 94.460 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:266 Resp: 593177

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	63.8	52.0	78.0

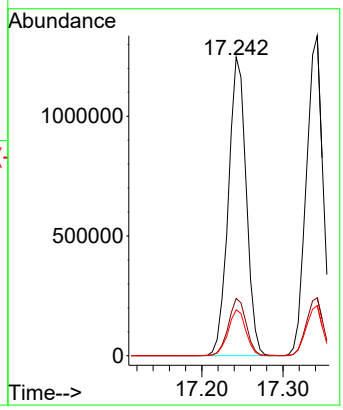




#71
Phenanthrene
Concen: 44.349 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:178 Resp: 190098

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.2	18.4



Instrument :
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ClientSampleId :
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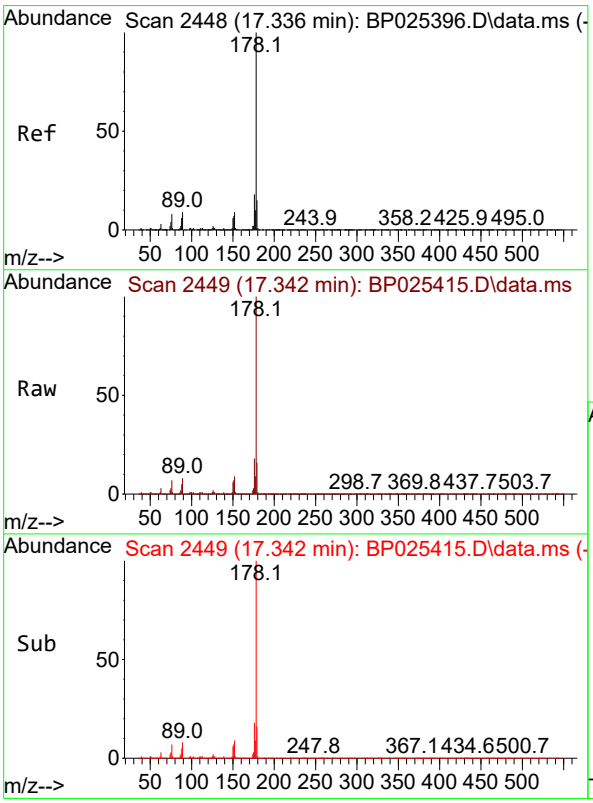
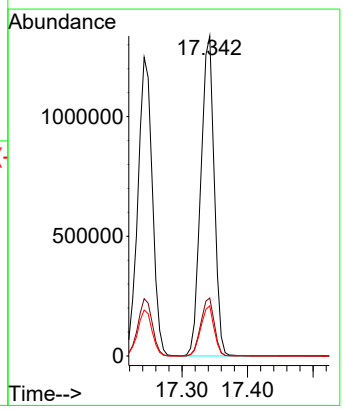
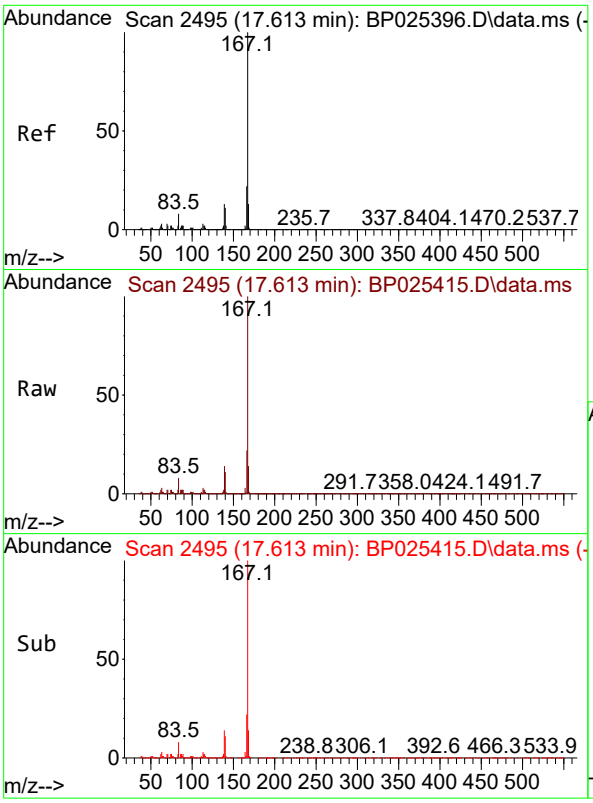


#72
Anthracene
Concen: 43.450 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:178 Resp: 1901911

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.6	12.2	18.2

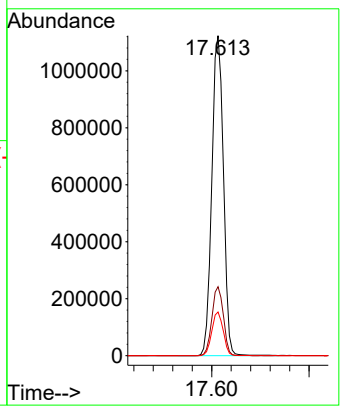




#73
Carbazole
Concen: 44.831 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:167 Resp: 184836

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.6	10.6	16.0



Instrument :
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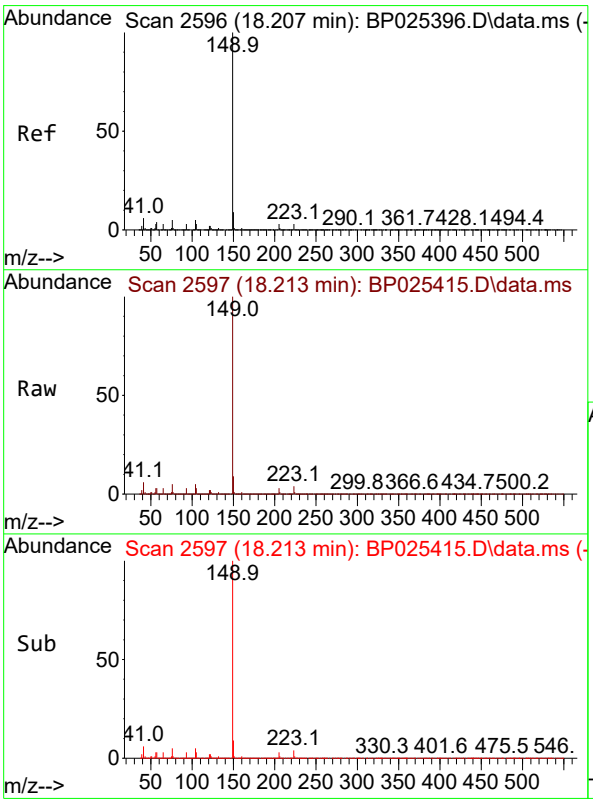
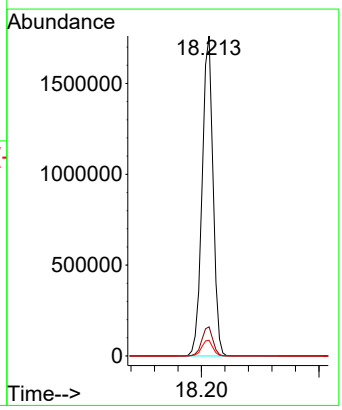
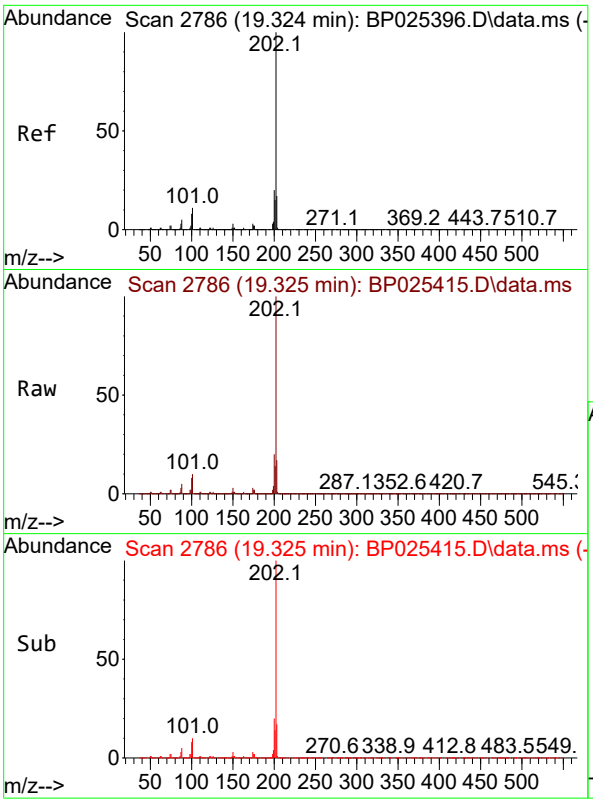


#74
Di-n-butylphthalate
Concen: 44.635 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 2264177

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.9	4.2	6.2

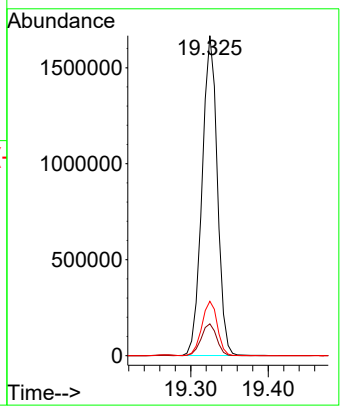




#75
Fluoranthene
Concen: 44.484 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:202 Resp: 227443

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.0	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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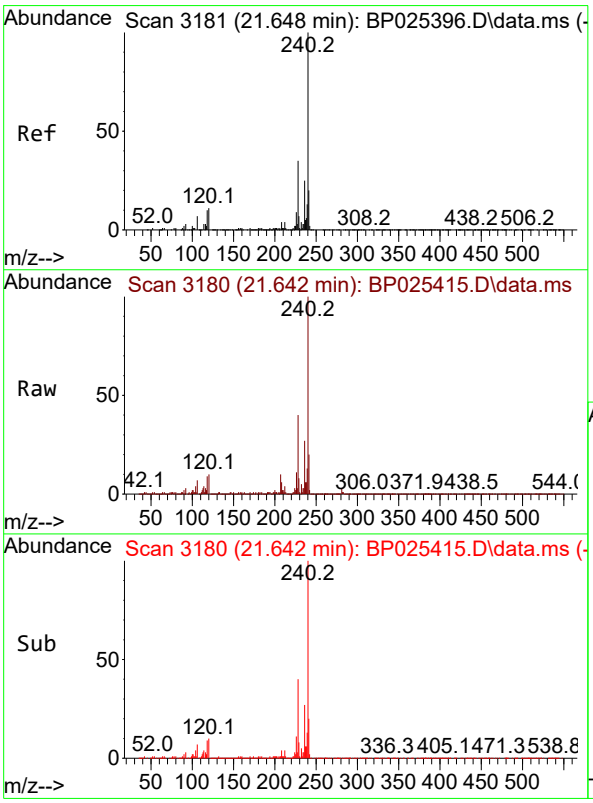
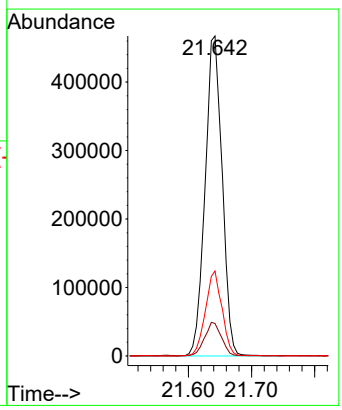
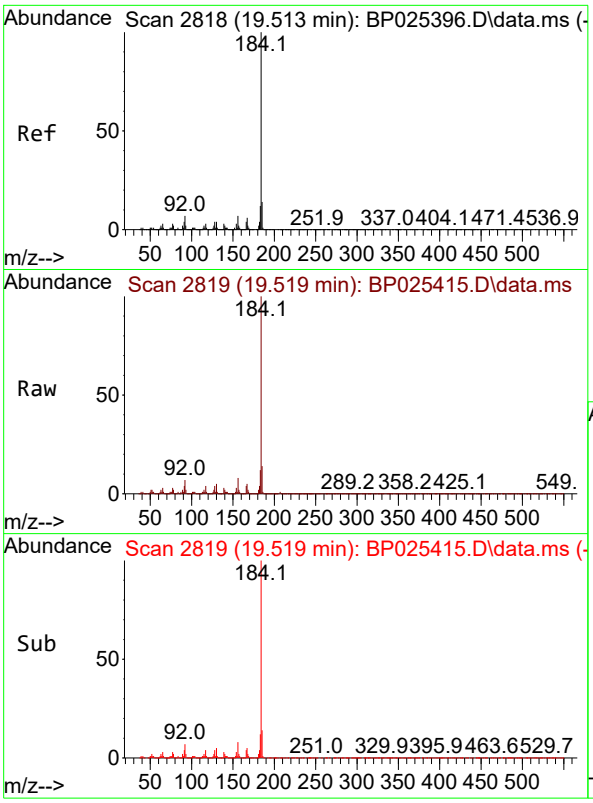


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:240 Resp: 875377

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.9	13.3
236	26.5	19.8	29.8

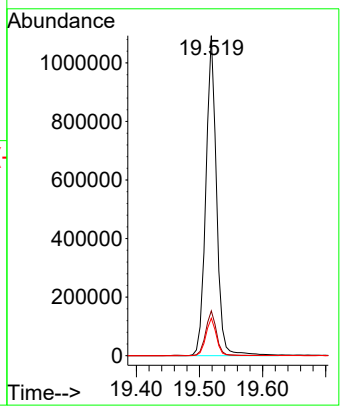




#77
Benzidine
Concen: 42.841 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:184 Resp: 127985

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.7	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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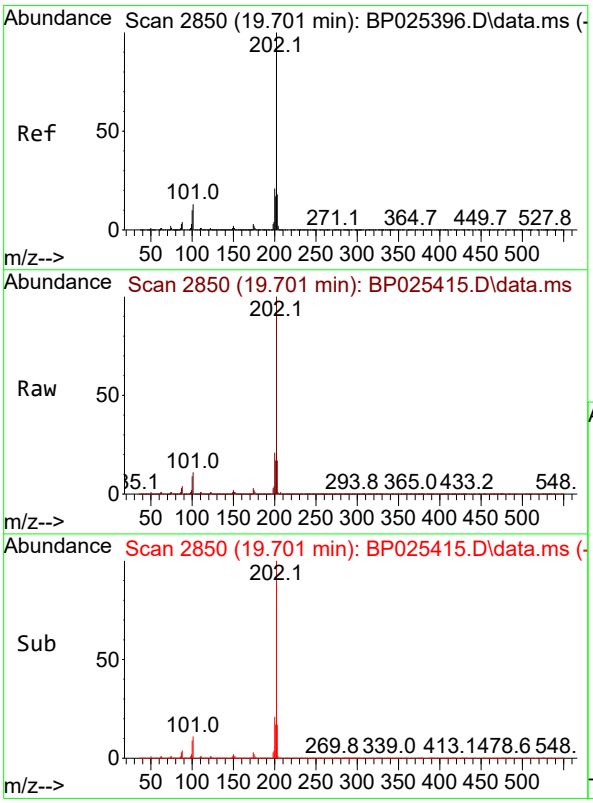
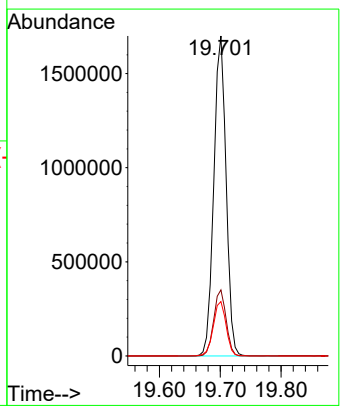
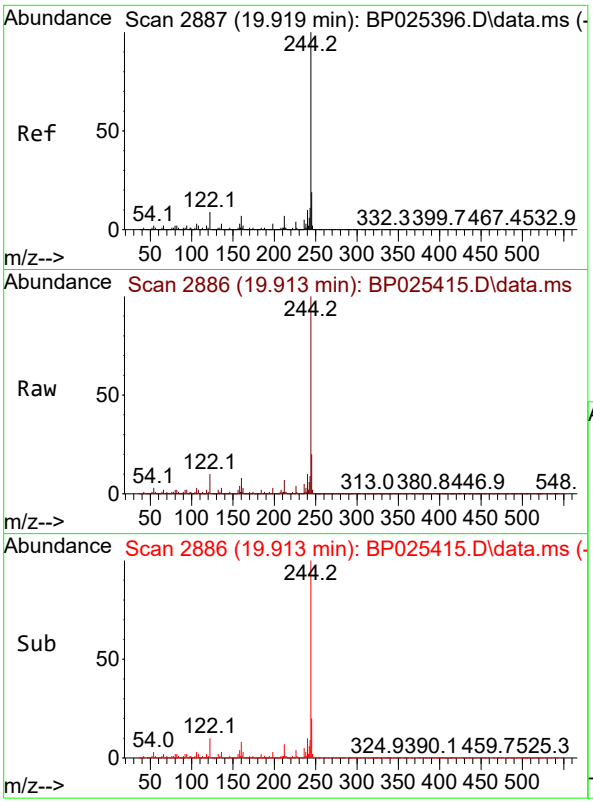


#78
Pyrene
Concen: 41.769 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:202 Resp: 2376529

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.0	14.2	21.2





#79
Terphenyl-d14
Concen: 45.681 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:244 Resp: 218563

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.7	7.4	11.2

Instrument :
BNA_P
ClientSampleId :
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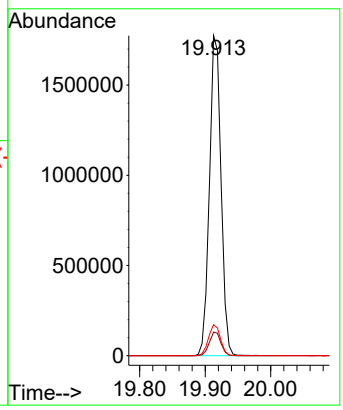
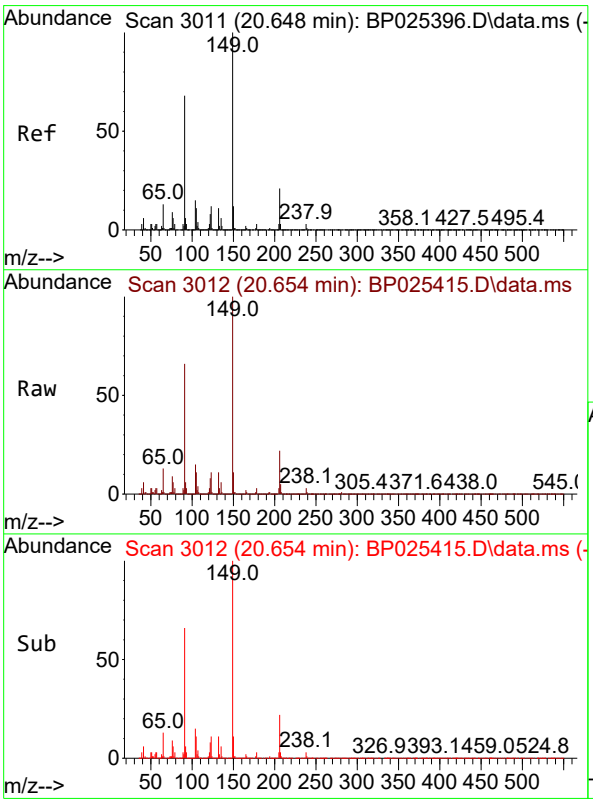
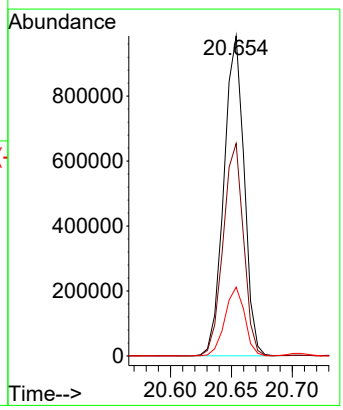


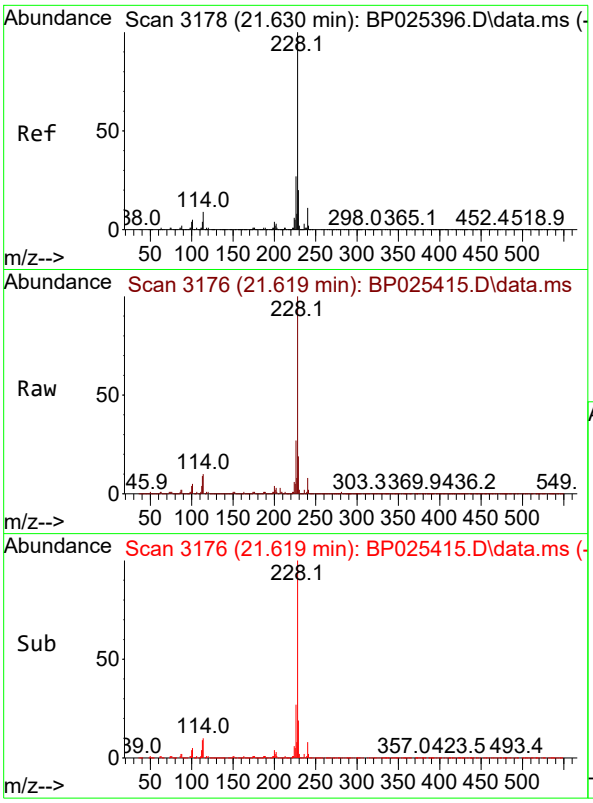


#80
Butylbenzylphthalate
Concen: 44.274 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1141667

Ion	Ratio	Lower	Upper
149	100		
91	66.4	54.2	81.2
206	21.5	16.6	24.8





#81
Benzo(a)anthracene
Concen: 44.364 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:228 Resp: 256119

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.4	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
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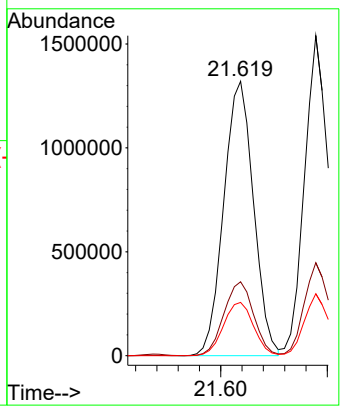
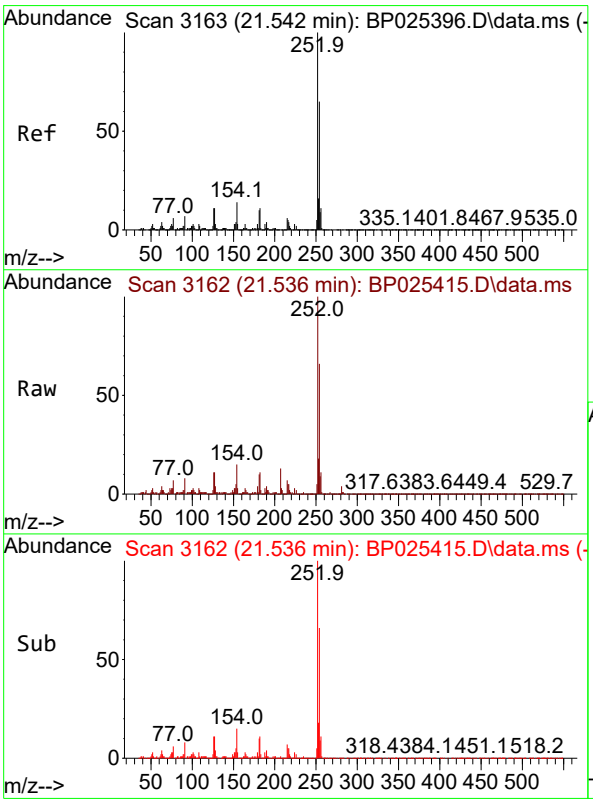
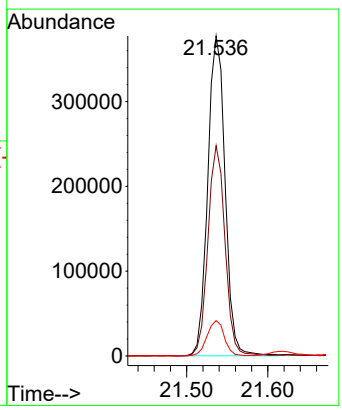


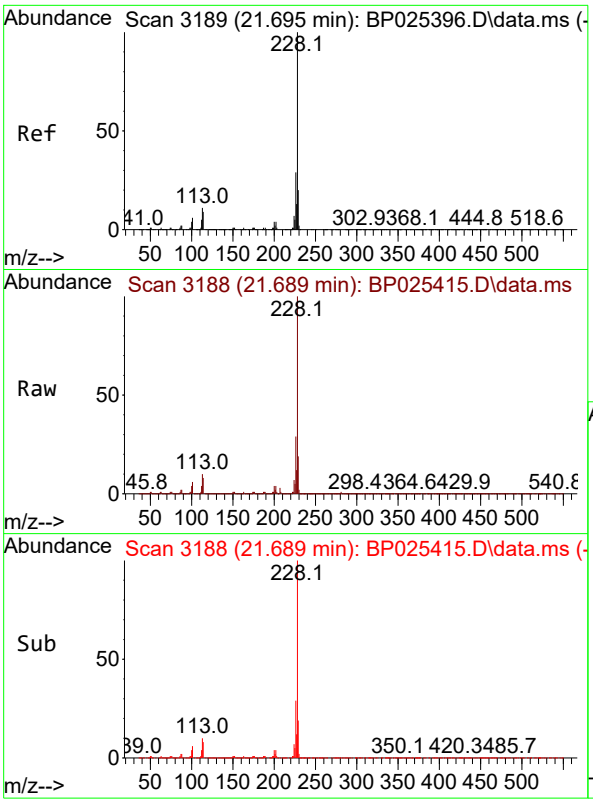


#82
3,3'-Dichlorobenzidine
Concen: 25.666 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 558511

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.8	77.6
126	11.0	9.1	13.7

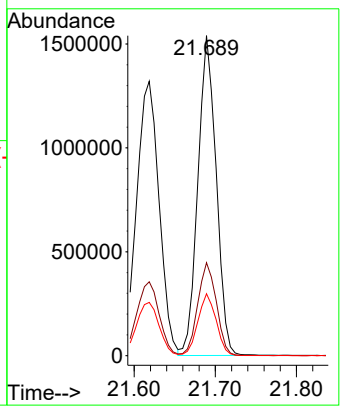




#83
Chrysene
Concen: 44.558 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:228 Resp: 240906

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.3	15.6	23.4



Instrument :
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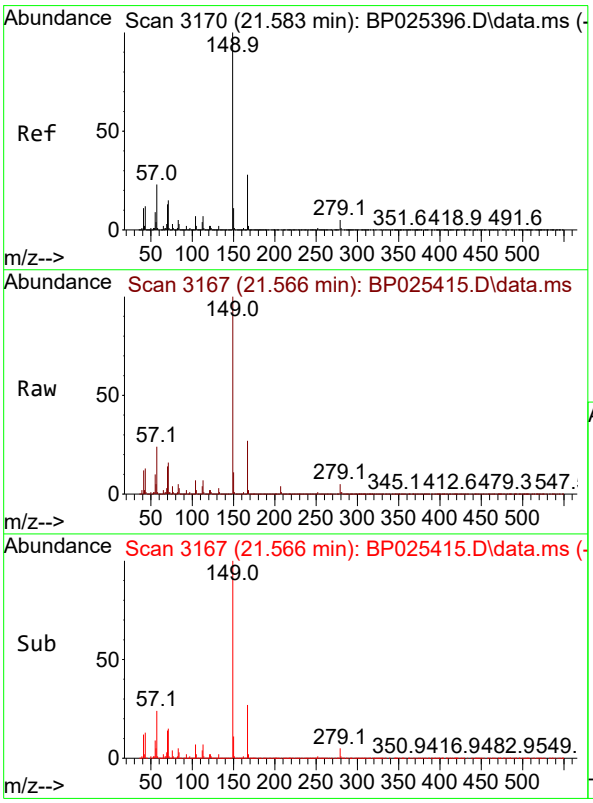
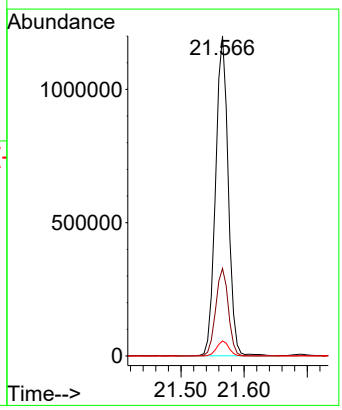
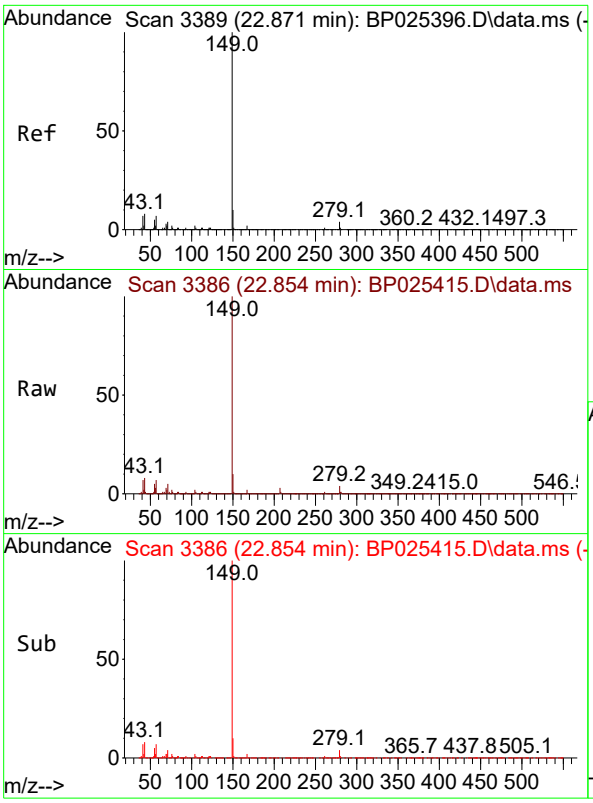


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.998 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1670118

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 45.135 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 294689

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.3	9.5

Instrument :
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ClientSampleId :
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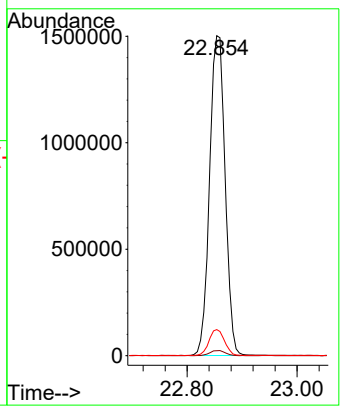
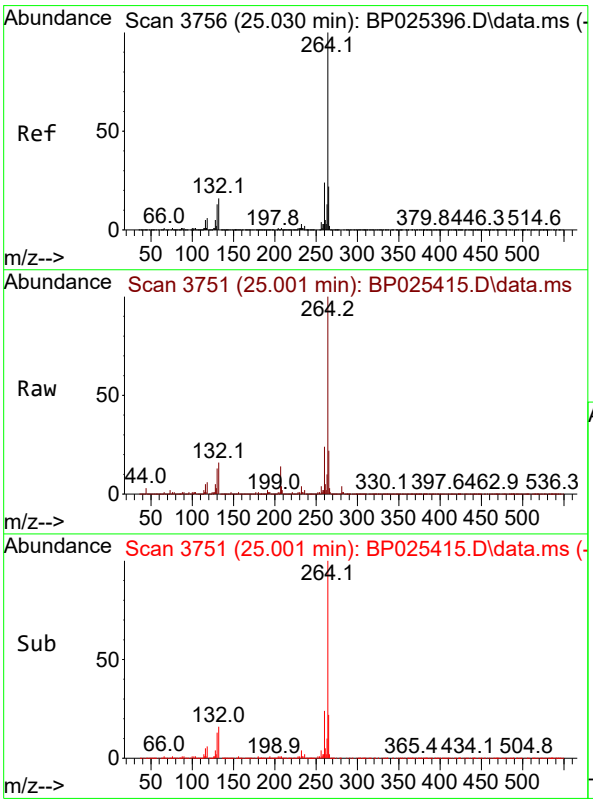
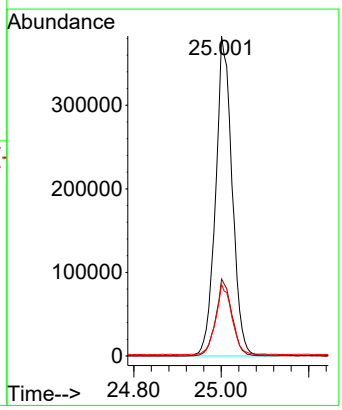


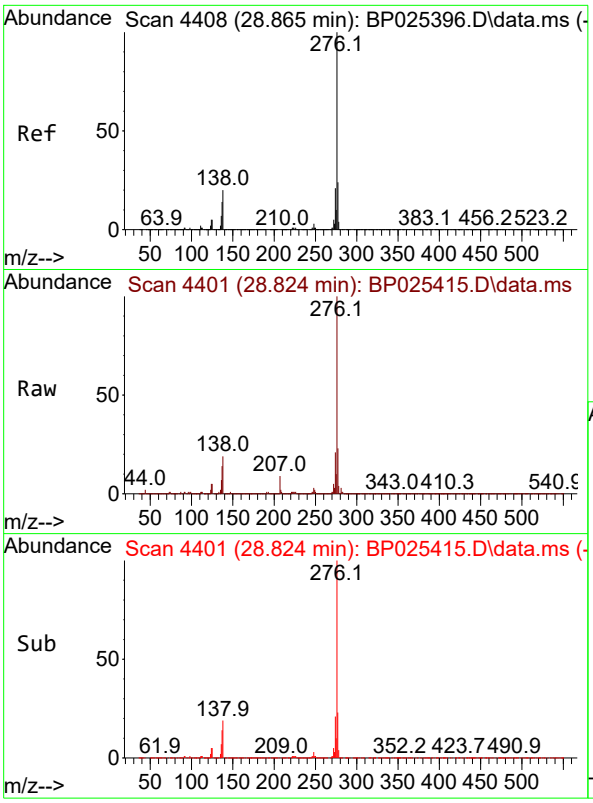


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:264 Resp: 1000604

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.4	17.4	26.0

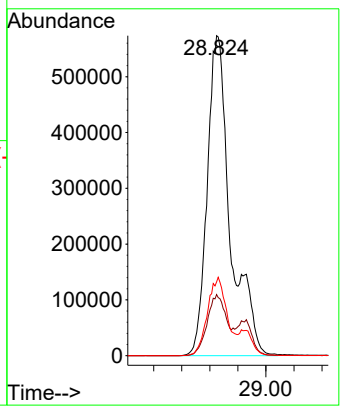




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.721 ng m
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:276 Resp: 328163

Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.9	19.3
277	21.0	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
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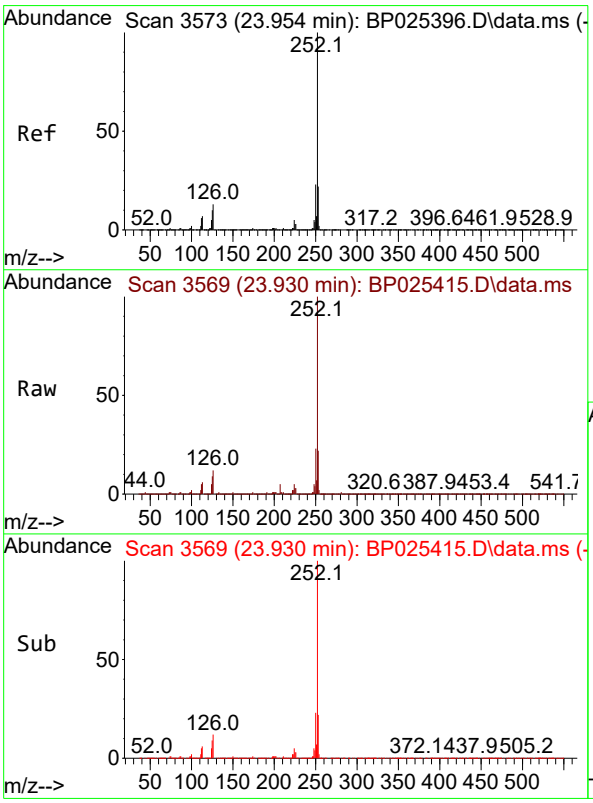
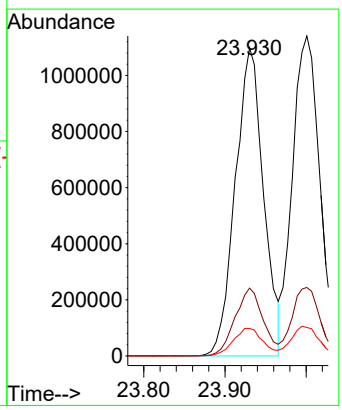
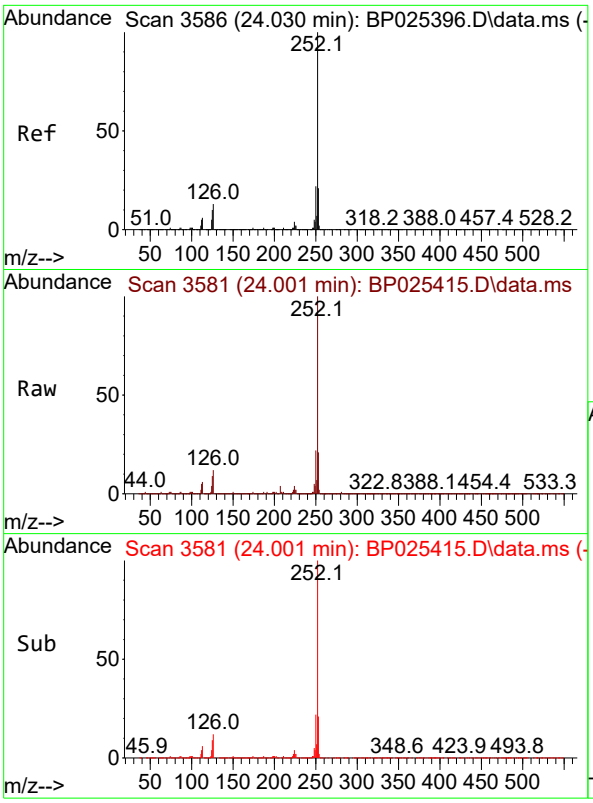


#88
Benzo(b)fluoranthene
Concen: 44.970 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 2653334

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.9	7.9	11.9

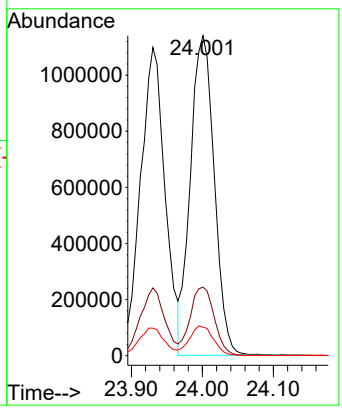




#89
Benzo(k)fluoranthene
Concen: 45.121 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 266405

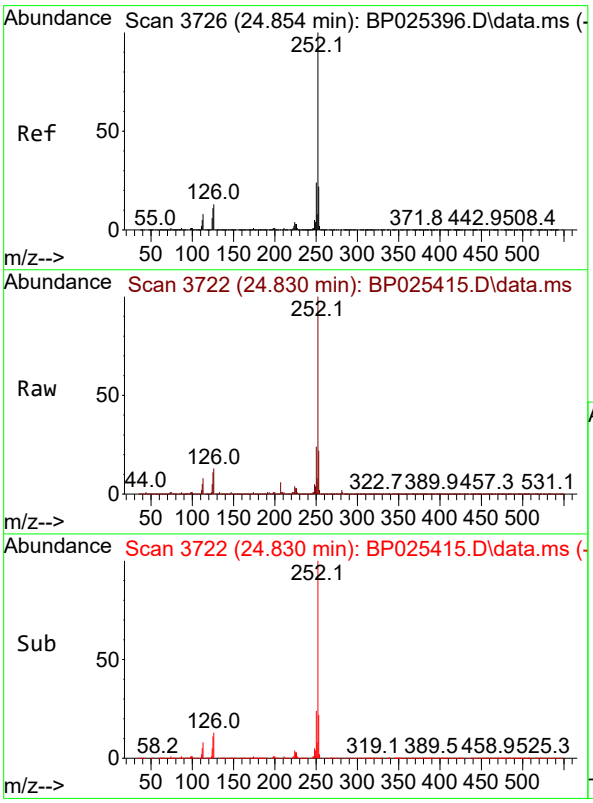
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	8.9	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations
APPROVED

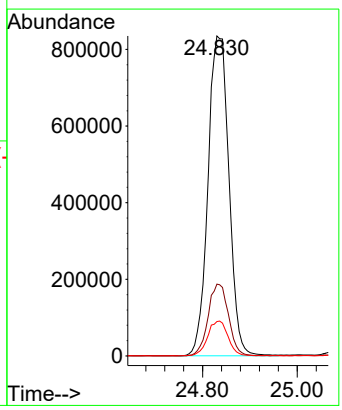
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

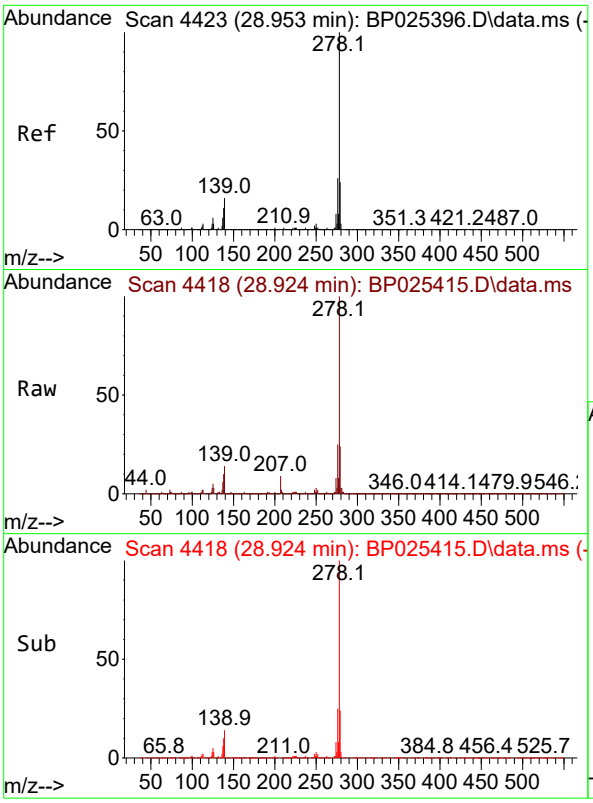


#90
Benzo(a)pyrene
Concen: 44.619 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 2562652

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.7	8.7	13.1

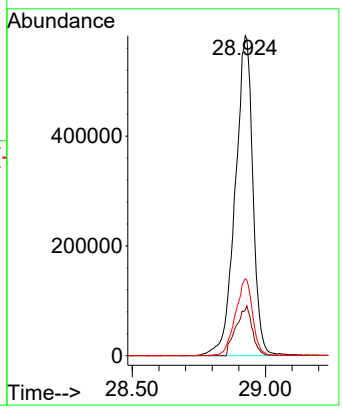




#91
Dibenzo(a,h)anthracene
Concen: 44.609 ng
RT: 28.924 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:278 Resp: 267504

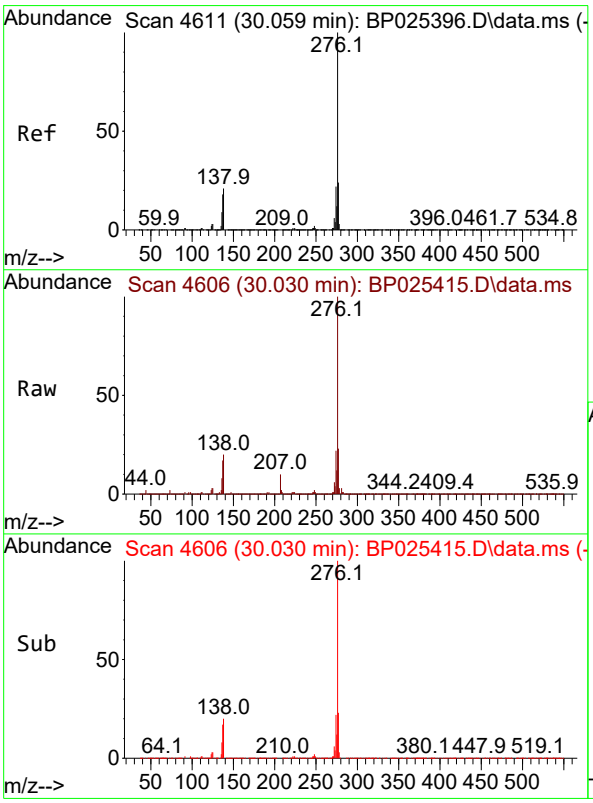
Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.0	19.4
279	24.0	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
88H-EMS

Manual Integrations
APPROVED

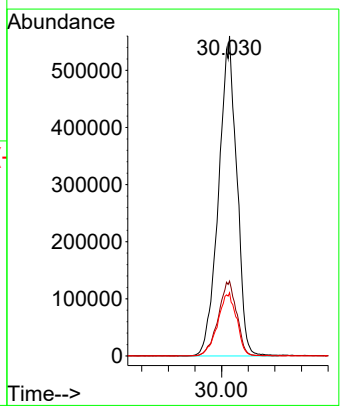
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 44.748 ng
RT: 30.030 min Scan# 4606
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:276 Resp: 2637753

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.7	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	820		120	200	240	ug/Kg
108-95-2	Phenol	1000		16.4	96.3	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.0	96.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.3	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.1	96.3	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	96.3	130	ug/Kg
98-86-2	Acetophenone	1100		21.8	96.3	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		30.4	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.1	59.2	59.2	ug/Kg
67-72-1	Hexachloroethane	1200		13.0	96.3	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.3	130	ug/Kg
78-59-1	Isophorone	1100		24.3	96.3	130	ug/Kg
88-75-5	2-Nitrophenol	1400		43.1	96.3	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		48.0	96.3	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	96.3	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.0	96.3	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	96.3	130	ug/Kg
106-47-8	4-Chloroaniline	600		26.2	96.3	130	ug/Kg
87-68-3	Hexachlorobutadiene	1200		18.7	96.3	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	96.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	85.9	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		14.7	96.3	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.6	96.3	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.1	96.3	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	96.3	130	ug/Kg
88-74-4	2-Nitroaniline	1200		35.6	96.3	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.1	96.3	130	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.4	96.3	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		24.9	96.3	130	ug/Kg
99-09-2	3-Nitroaniline	820		34.1	96.3	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.3	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		79.2	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.3	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.3	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.0	96.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.3	130	ug/Kg
86-73-7	Fluorene	1100		18.7	96.3	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.5	96.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		76.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		24.4	96.3	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.6	96.3	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		18.7	96.3	130	ug/Kg
1912-24-9	Atrazine	1400		25.2	96.3	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	96.3	130	ug/Kg
120-12-7	Anthracene	1100		24.7	96.3	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.3	130	ug/Kg
84-74-2	Di-n-butylphthalate	1600		35.5	96.3	130	ug/Kg
206-44-0	Fluoranthene	1200		22.2	96.3	130	ug/Kg
129-00-0	Pyrene	870		26.7	96.3	130	ug/Kg
85-68-7	Butylbenzylphthalate	1800		52.9	96.3	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	960		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	96.3	130	ug/Kg
218-01-9	Chrysene	1100		14.7	96.3	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		43.8	96.3	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		64.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		14.1	96.3	130	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	96.3	130	ug/Kg
50-32-8	Benzo(a)pyrene	1200		21.8	96.3	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.3	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	96.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	96.3	130	ug/Kg
123-91-1	1,4-Dioxane	980		33.5	96.3	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		20.3	96.3	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.7		35 - 115		64%	SPK: 150
13127-88-3	Phenol-d6	95.4		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		44 - 115		69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		39 - 132		81%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138000	6.928				
1146-65-2	Naphthalene-d8	517000	8.21				
15067-26-2	Acenaphthene-d10	273000	9.963				
1517-22-2	Phenanthrene-d10	392000	11.451				
1719-03-5	Chrysene-d12	309000	14.092				
1520-96-3	Perylene-d12	383000	15.58				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137804	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	517024	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272568	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	391965	20.000	ng	0.00
76) Chrysene-d12	14.092	240	309493	20.000	ng	0.00
86) Perylene-d12	15.580	264	383464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	762938	95.739	ng	0.00
7) Phenol-d6	6.563	99	975086	95.417	ng	0.00
23) Nitrobenzene-d5	7.487	82	626187	75.422	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	241161	121.066	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1107824	68.922	ng	0.00
79) Terphenyl-d14	13.027	244	1013154	58.445	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	163035	39.537	ng	99
3) Pyridine	3.575	79	438470	39.902	ng	100
4) n-Nitrosodimethylamine	3.510	42	231473	45.221	ng	99
6) Aniline	6.592	93	442543	30.717	ng	95
8) 2-Chlorophenol	6.722	128	387249	45.478	ng	96
9) Benzaldehyde	6.481	77	223837	33.140	ng	98
10) Phenol	6.575	94	499579	41.267	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	401332	44.981	ng	99
12) 1,3-Dichlorobenzene	6.875	146	434984	44.288	ng	99
13) 1,4-Dichlorobenzene	6.945	146	436306	44.261	ng	99
14) 1,2-Dichlorobenzene	7.098	146	419380	44.818	ng	100
15) Benzyl Alcohol	7.069	79	344289	47.000	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	711810	44.687	ng	97
17) 2-Methylphenol	7.181	107	310496	43.198	ng	100
18) Hexachloroethane	7.445	117	149347	48.325	ng	96
19) n-Nitroso-di-n-propyla...	7.334	70	280271	44.386	ng	97
20) 3+4-Methylphenols	7.334	107	369644	42.523	ng	95
22) Acetophenone	7.334	105	511443	44.896	ng	97
24) Nitrobenzene	7.504	77	418648	46.430	ng	99
25) Isophorone	7.745	82	768386	45.335	ng	99
26) 2-Nitrophenol	7.822	139	203194	55.608	ng	99
27) 2,4-Dimethylphenol	7.863	122	349296m	49.398	ng	
28) bis(2-Chloroethoxy)met...	7.951	93	478776	46.267	ng	100
29) 2,4-Dichlorophenol	8.069	162	324090	46.926	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	347348	47.679	ng	99
31) Naphthalene	8.234	128	1089838	43.806	ng	100
32) Benzoic acid	7.975	122	193304	58.598	ng	99
33) 4-Chloroaniline	8.275	127	219162	24.424	ng	99
34) Hexachlorobutadiene	8.351	225	213552	47.123	ng	100
35) Caprolactam	8.645	113	95843	49.365	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	325053	44.895	ng	99
37) 2-Methylnaphthalene	8.922	142	660623	40.391	ng	99
38) 1-Methylnaphthalene	9.022	142	682387	43.320	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	340812	45.694	ng	99
41) Hexachlorocyclopentadiene	9.081	237	306137	113.347	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	214621	50.715	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	229789	48.084	ng		98
46) 1,1'-Biphenyl	9.386	154	876424	45.476	ng		99
47) 2-Chloronaphthalene	9.410	162	670874	44.200	ng		99
48) 2-Nitroaniline	9.504	65	209062	47.772	ng		99
49) Acenaphthylene	9.828	152	1078567	49.207	ng		100
50) Dimethylphthalate	9.680	163	767406	48.184	ng		100
51) 2,6-Dinitrotoluene	9.739	165	165224	54.402	ng		97
52) Acenaphthene	9.998	154	682321	46.824	ng		99
53) 3-Nitroaniline	9.910	138	108458	33.253	ng		98
54) 2,4-Dinitrophenol	10.022	184	128950	93.173	ng	#	82
55) Dibenzofuran	10.169	168	930157	44.351	ng		100
56) 4-Nitrophenol	10.080	139	201185	77.373	ng		96
57) 2,4-Dinitrotoluene	10.145	165	215672	53.556	ng		93
58) Fluorene	10.516	166	710470	44.351	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187331	58.151	ng		97
60) Diethylphthalate	10.380	149	719937	50.466	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	352284	45.513	ng		99
62) 4-Nitroaniline	10.522	138	150805	47.789	ng		99
63) Azobenzene	10.663	77	785525	48.208	ng		97
65) 4,6-Dinitro-2-methylph...	10.557	198	98616	60.040	ng		95
66) n-Nitrosodiphenylamine	10.622	169	608929	47.180	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	215964	48.176	ng		98
68) Hexachlorobenzene	11.063	284	225664	46.702	ng		98
69) Atrazine	11.145	200	184901	54.927	ng		99
70) Pentachlorophenol	11.257	266	226544	94.613	ng		97
71) Phenanthrene	11.474	178	960966	44.935	ng		99
72) Anthracene	11.527	178	994942	45.875	ng		99
73) Carbazole	11.680	167	820685	44.432	ng		99
74) Di-n-butylphthalate	12.004	149	1030302	65.918	ng		100
75) Fluoranthene	12.663	202	909808	48.568	ng		99
77) Benzidine	12.780	184	293910	34.736	ng		99
78) Pyrene	12.892	202	914572	35.225	ng		100
80) Butylbenzylphthalate	13.504	149	381128	72.449	ng		97
81) Benzo(a)anthracene	14.080	228	899115	45.707	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	206592	38.894	ng		98
83) Chrysene	14.115	228	830343	45.269	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	559729	71.994	ng		98
85) Di-n-octyl phthalate	14.674	149	1029373	65.934	ng		98
87) Indeno(1,2,3-cd)pyrene	17.104	276	1220480	44.425	ng		100
88) Benzo(b)fluoranthene	15.145	252	1021721	48.714	ng		99
89) Benzo(k)fluoranthene	15.174	252	918699	45.078	ng		99
90) Benzo(a)pyrene	15.515	252	951612	48.173	ng		99
91) Dibenzo(a,h)anthracene	17.115	278	979680	44.637	ng		100
92) Benzo(g,h,i)perylene	17.562	276	974809	44.090	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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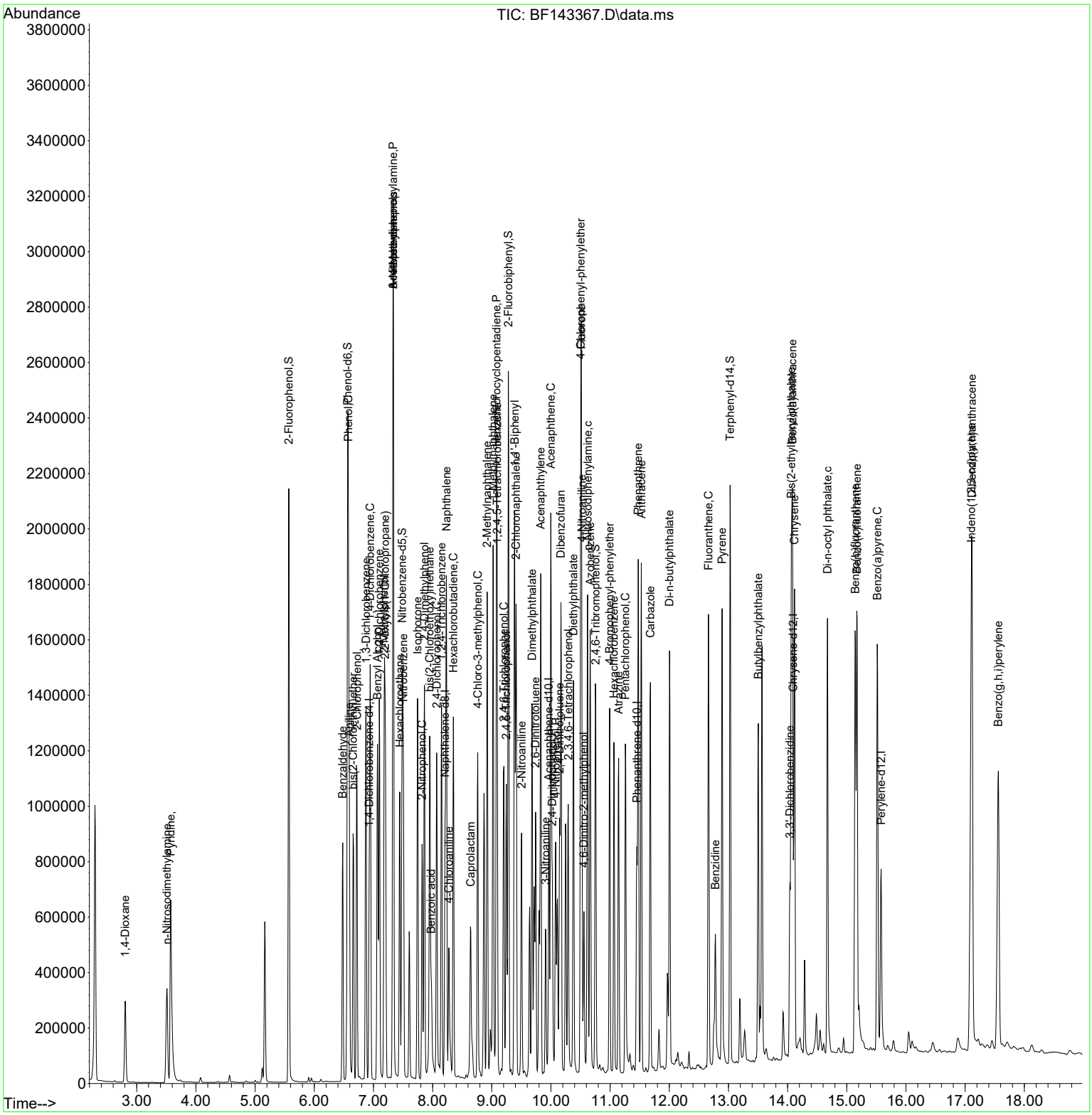
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

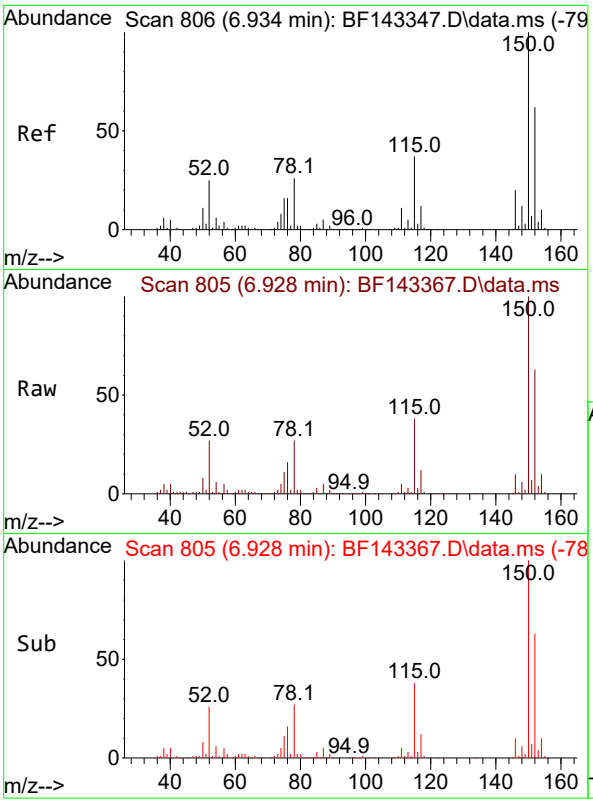
Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

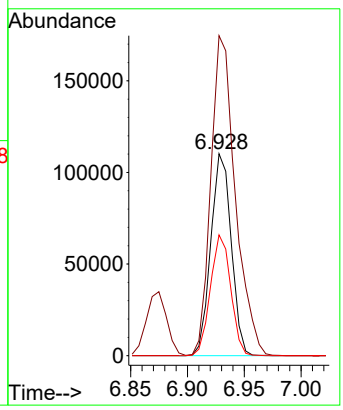




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:152 Resp: 13780

Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.8	194.8
115	59.9	47.8	71.8



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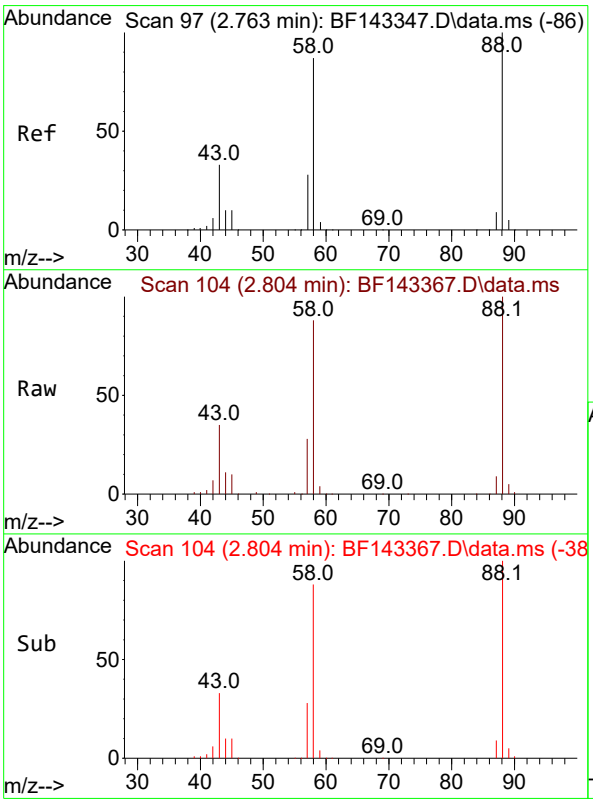
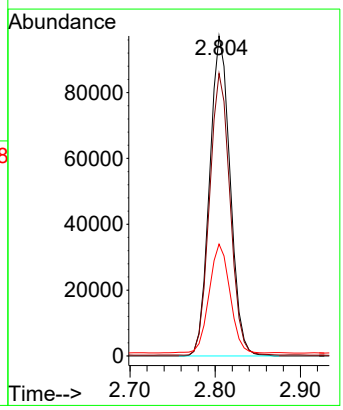
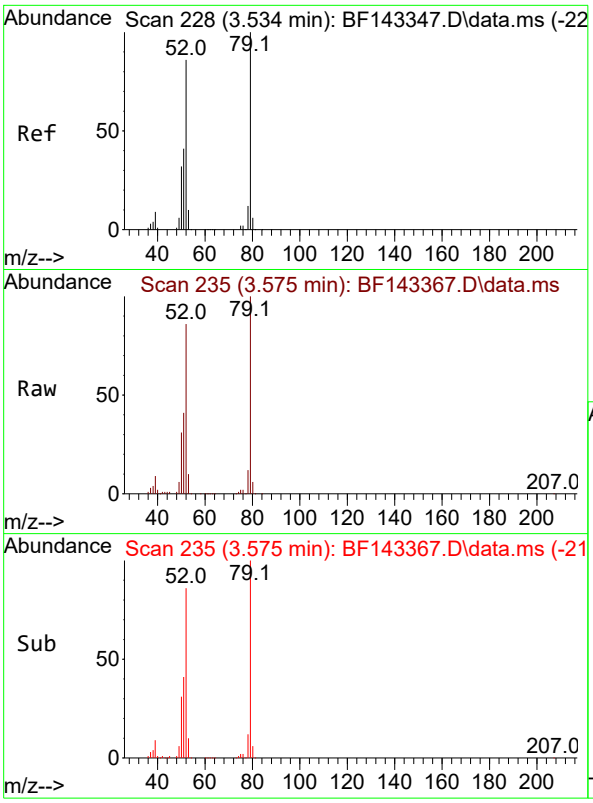


#2
1,4-Dioxane
Concen: 39.537 ng
RT: 2.804 min Scan# 104
Delta R.T. 0.041 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 88 Resp: 163035

Ion	Ratio	Lower	Upper
88	100		
58	87.6	71.0	106.6
43	34.3	27.0	40.6

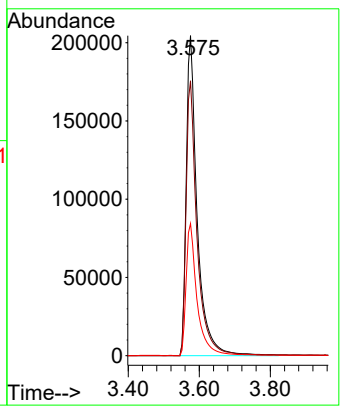




#3
Pyridine
Concen: 39.902 ng
RT: 3.575 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 79 Resp: 43847

Ion	Ratio	Lower	Upper
79	100		
52	85.9	68.7	103.1
51	41.3	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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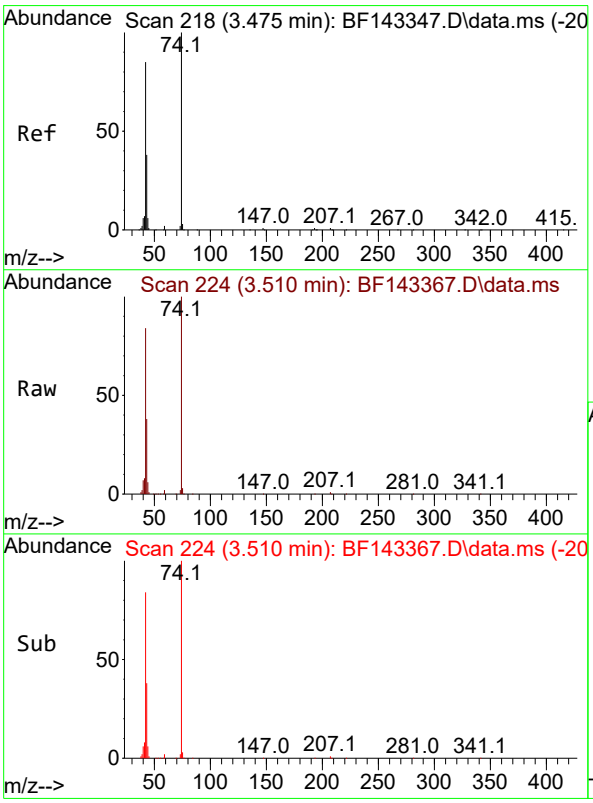
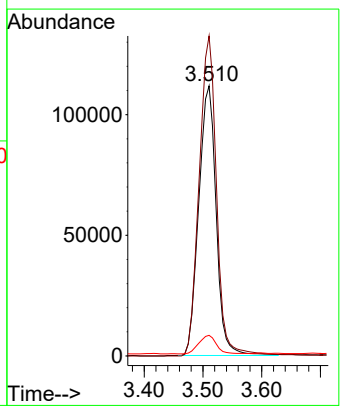
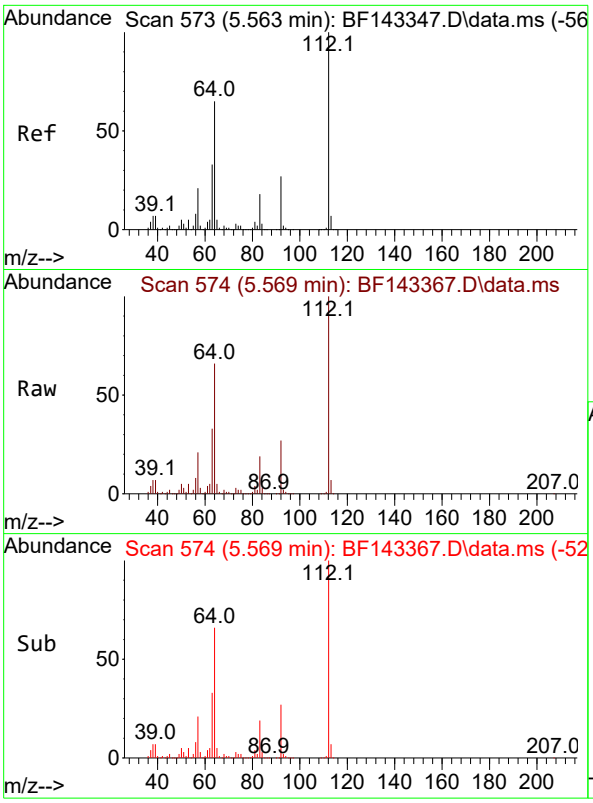


#4
n-Nitrosodimethylamine
Concen: 45.221 ng
RT: 3.510 min Scan# 224
Delta R.T. 0.035 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 42 Resp: 231473

Ion	Ratio	Lower	Upper
42	100		
74	118.5	94.1	141.1
44	7.7	6.5	9.7





#5
2-Fluorophenol
Concen: 95.739 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:112 Resp: 76293

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.1	78.1
63	33.3	26.6	39.8

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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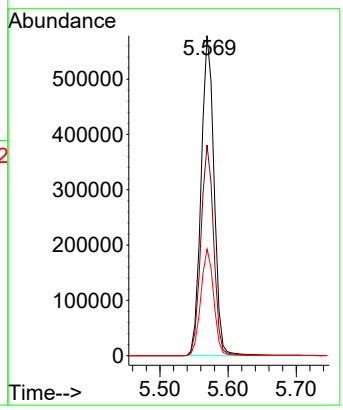
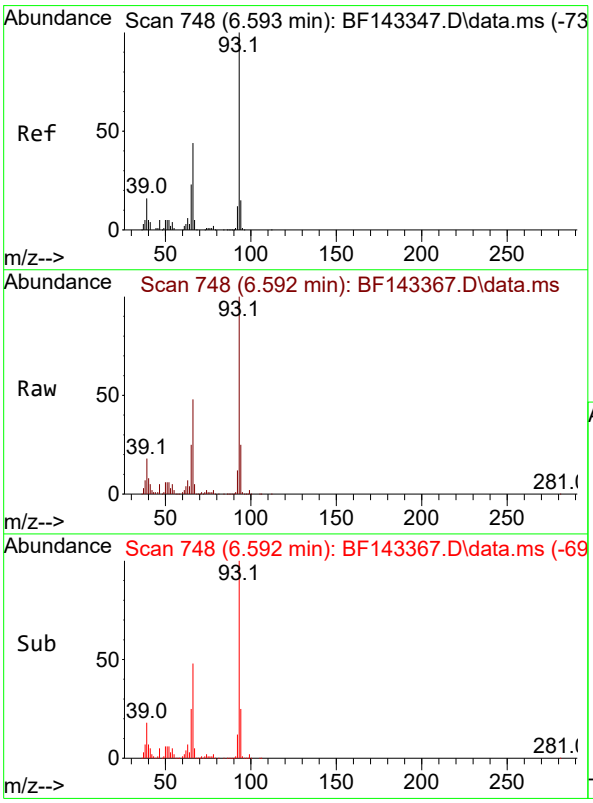
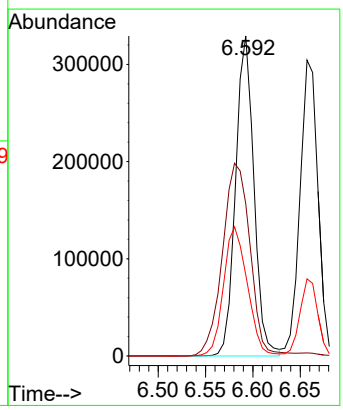


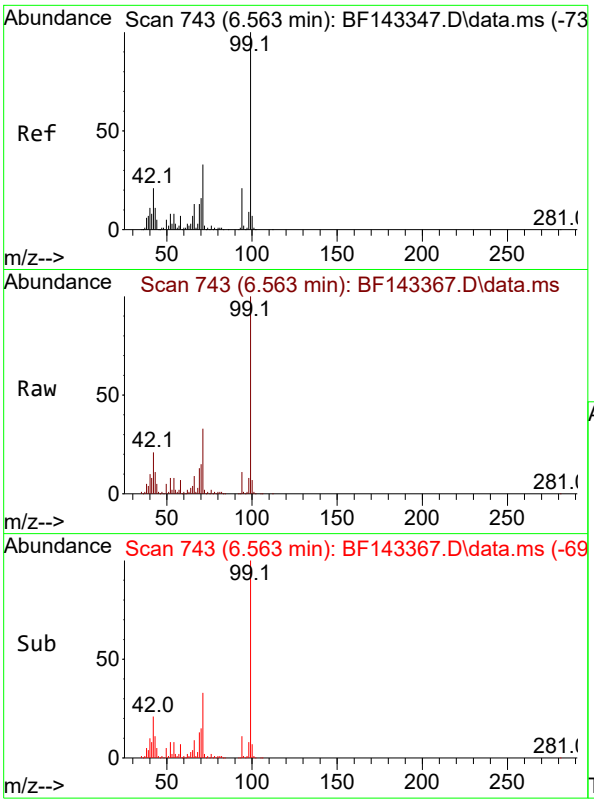


#6
Aniline
Concen: 30.717 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 93 Resp: 442543

Ion	Ratio	Lower	Upper
93	100		
66	47.6	35.3	52.9
65	25.4	18.2	27.4

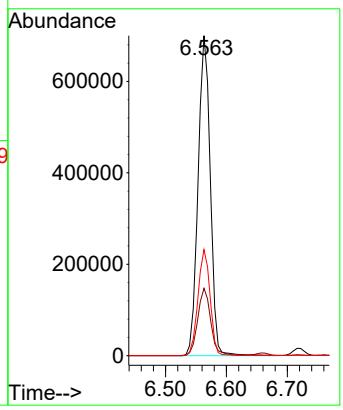




#7
Phenol-d6
Concen: 95.417 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 99 Resp: 97508

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	25.0
71	33.2	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
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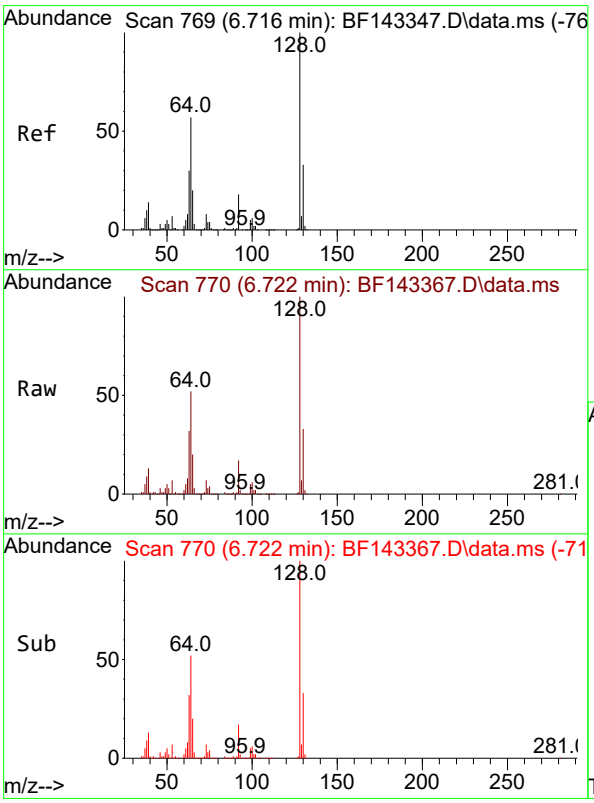
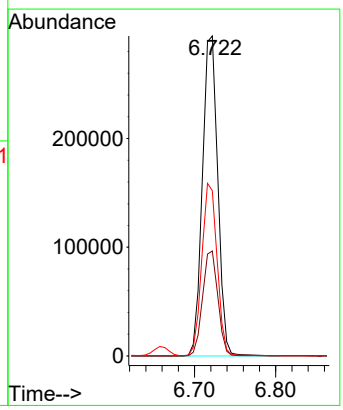
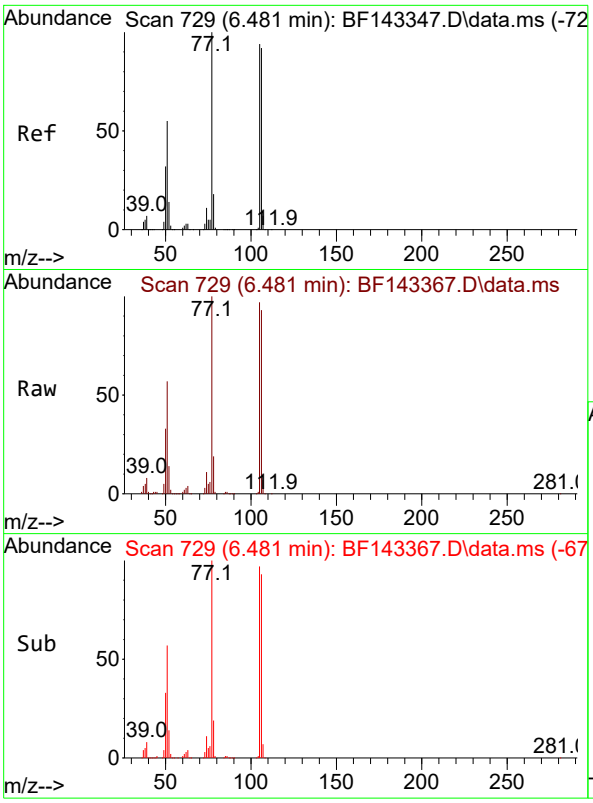


#8
2-Chlorophenol
Concen: 45.478 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:128 Resp: 387249

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	51.7	36.7	76.7

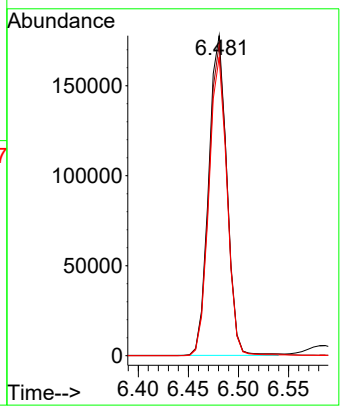




#9
Benzaldehyde
Concen: 33.140 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 77 Resp: 22383

Ion	Ratio	Lower	Upper
77	100		
105	97.2	74.2	114.2
106	93.3	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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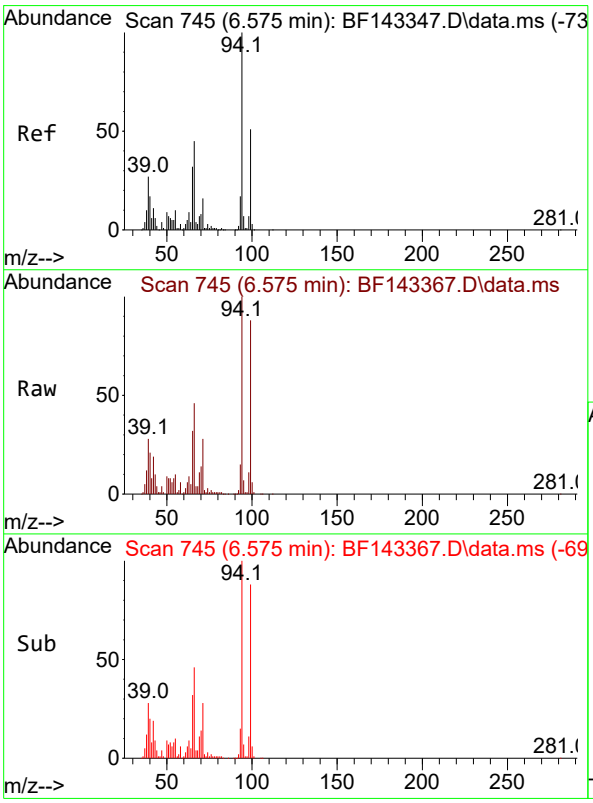
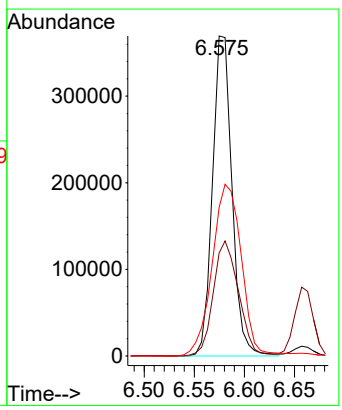
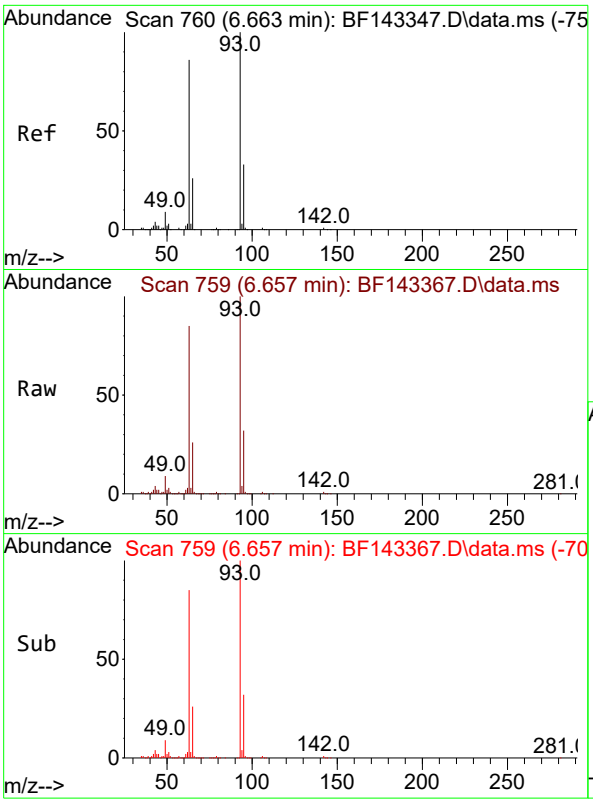


#10
Phenol
Concen: 41.267 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 94 Resp: 499579

Ion	Ratio	Lower	Upper
94	100		
65	32.2	12.0	52.0
66	46.4	25.6	65.6

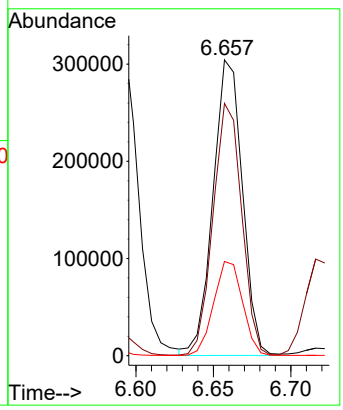




#11
bis(2-Chloroethyl)ether
Concen: 44.981 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 93 Resp: 40133

Ion	Ratio	Lower	Upper
93	100		
63	85.3	65.7	105.7
95	31.8	13.0	53.0



Instrument :
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ClientSampleId :
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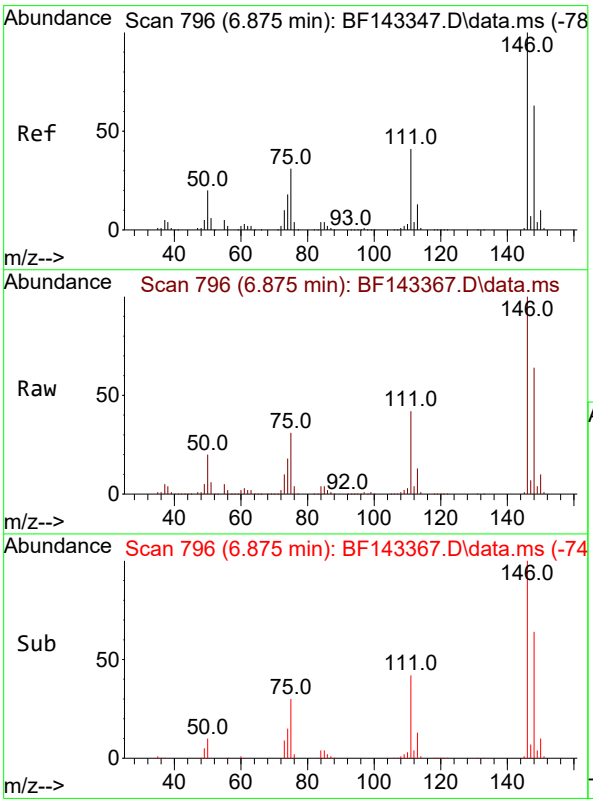
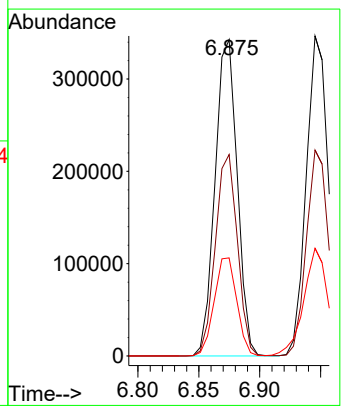
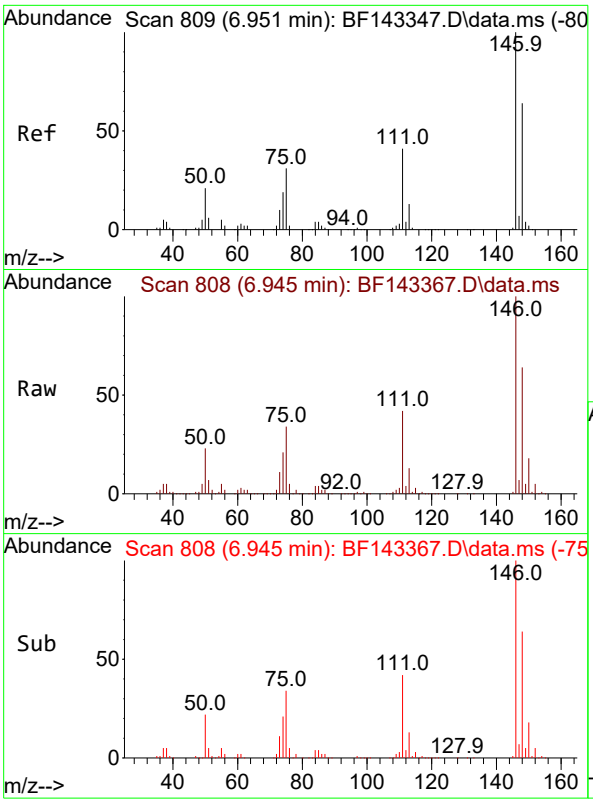


#12
1,3-Dichlorobenzene
Concen: 44.288 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:146 Resp: 434984

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
75	31.0	24.9	37.3

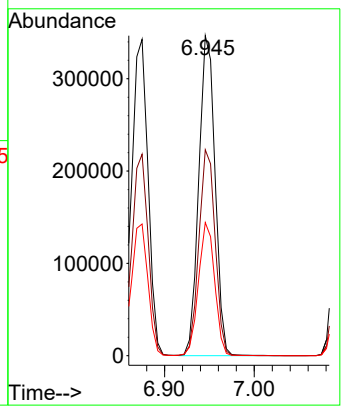




#13
1,4-Dichlorobenzene
Concen: 44.261 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:146 Resp: 43630

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
111	41.6	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
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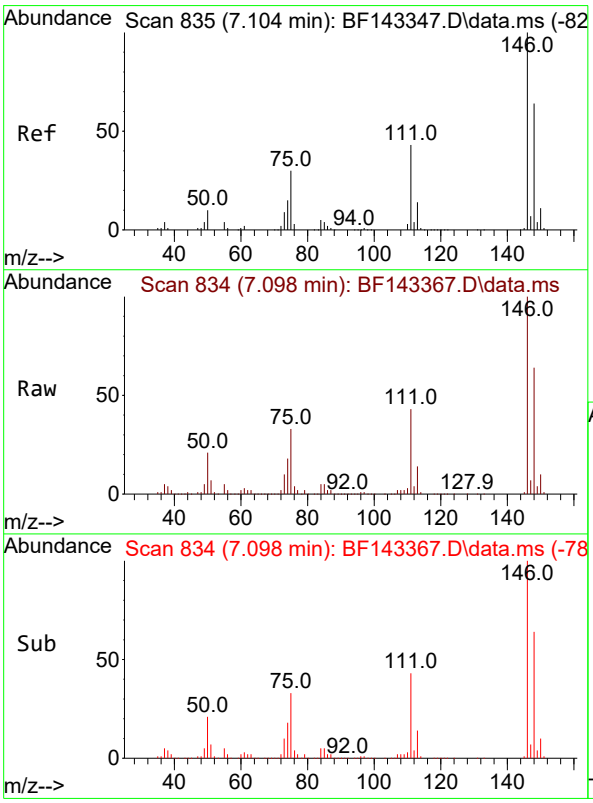
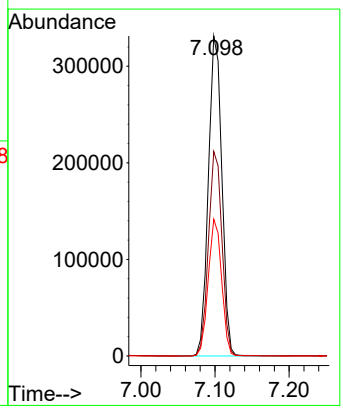
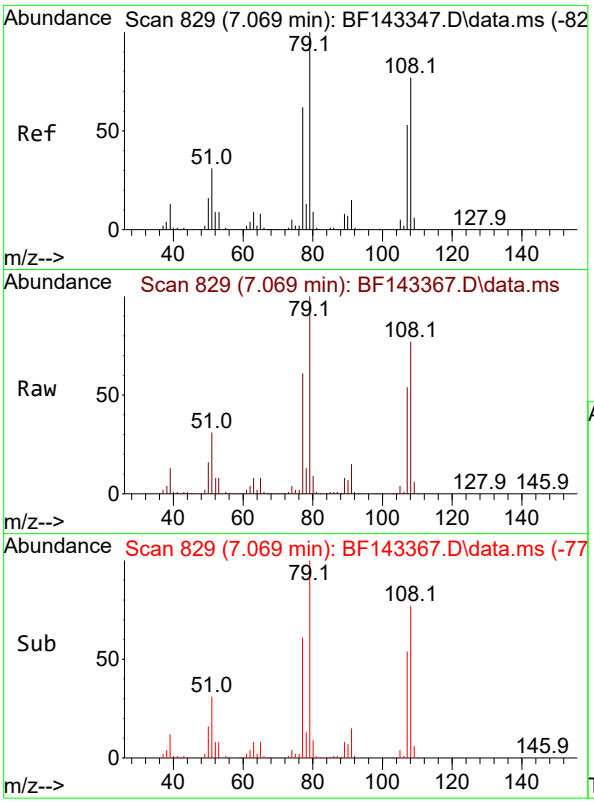


#14
1,2-Dichlorobenzene
Concen: 44.818 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:146 Resp: 419380

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	42.8	34.1	51.1





#15
Benzyl Alcohol
Concen: 47.000 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 79 Resp: 34428

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.5	92.3
77	61.0	49.8	74.8

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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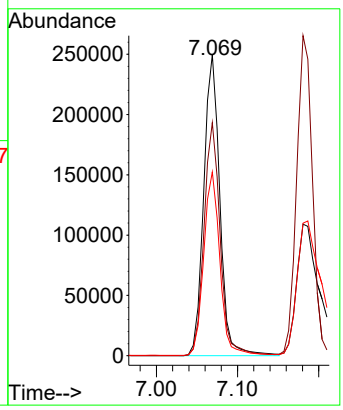
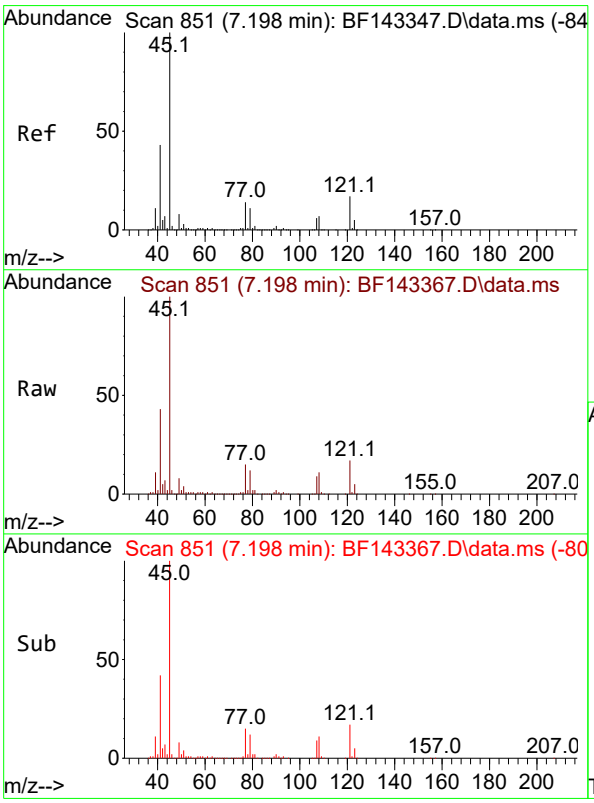
Supervised By :Jagrut Upadhyay 08/15/2025

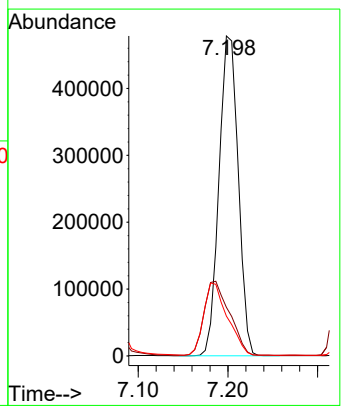


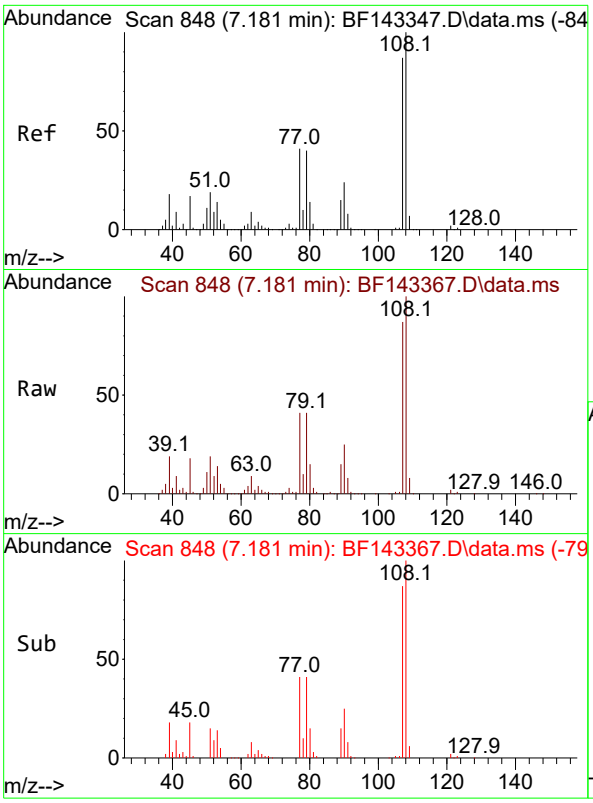


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.687 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 45 Resp: 711810

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.0
79	12.4	0.0	31.1

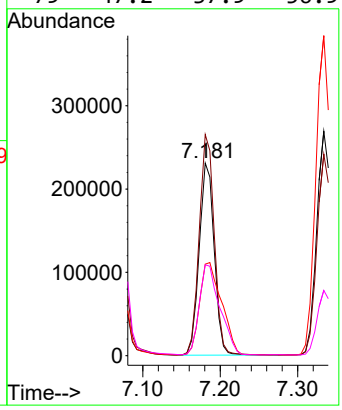




#17
2-Methylphenol
Concen: 43.198 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:107 Resp: 31049

Ion	Ratio	Lower	Upper
107	100		
108	114.8	92.0	138.0
77	47.5	38.2	57.2
79	47.2	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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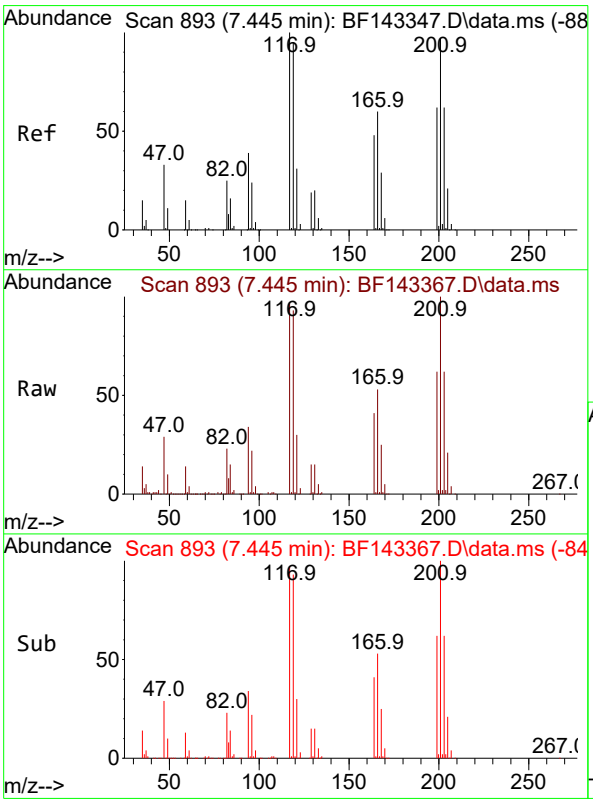
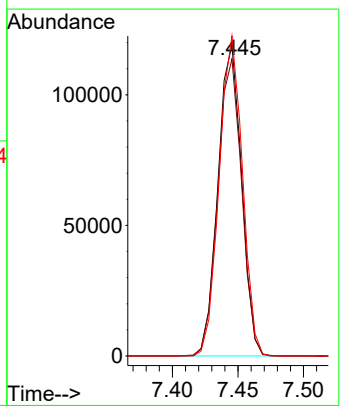
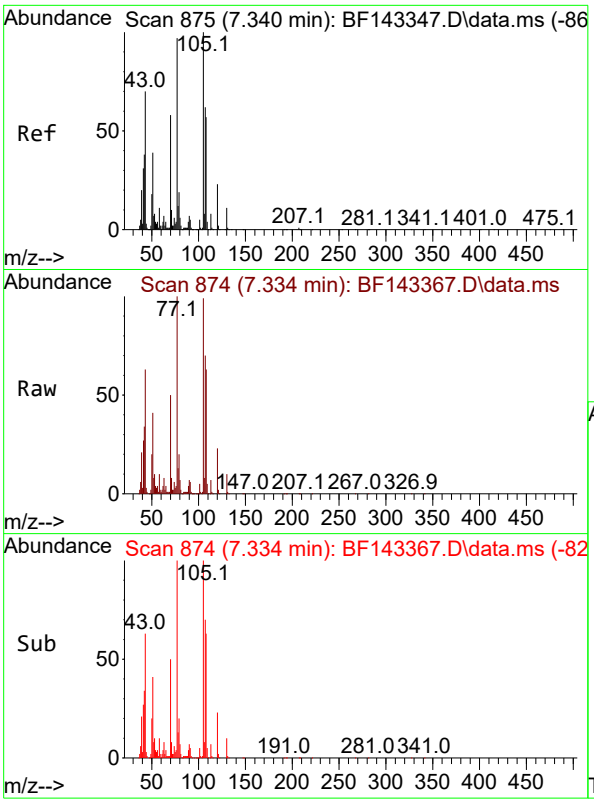


#18
Hexachloroethane
Concen: 48.325 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:117 Resp: 149347

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	102.8	77.2	115.8

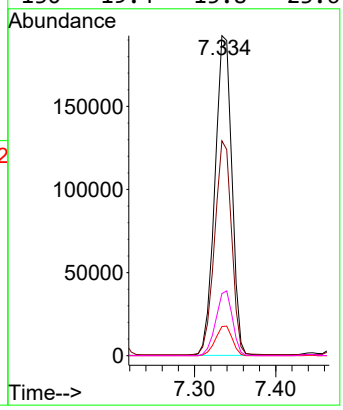




#19
n-Nitroso-di-n-propylamine
Concen: 44.386 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 70 Resp: 28027

Ion	Ratio	Lower	Upper
70	100		
42	67.1	51.6	77.4
101	9.1	7.5	11.3
130	19.4	15.8	23.6



Instrument :
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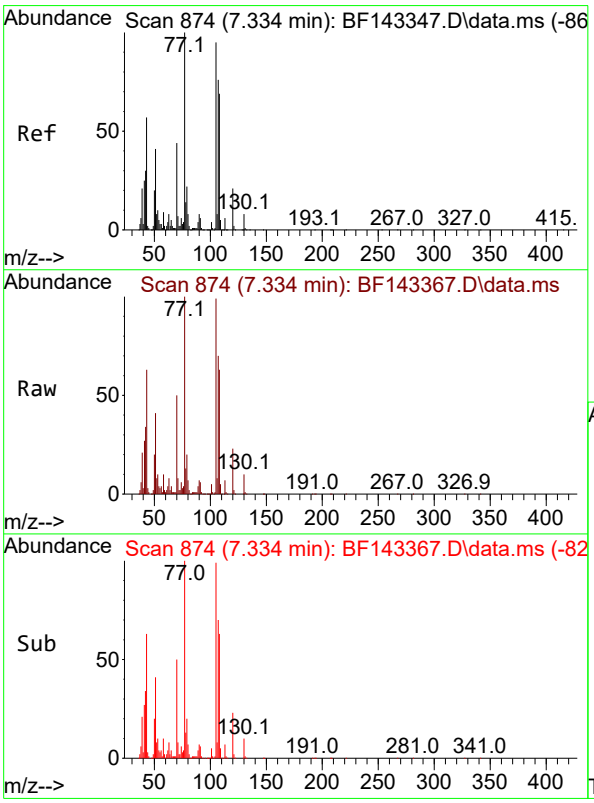
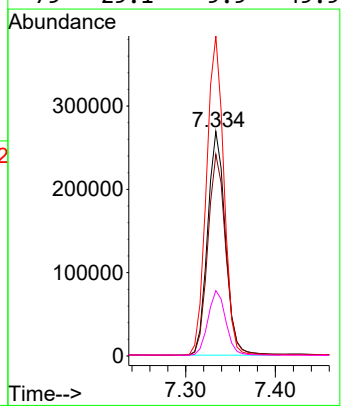
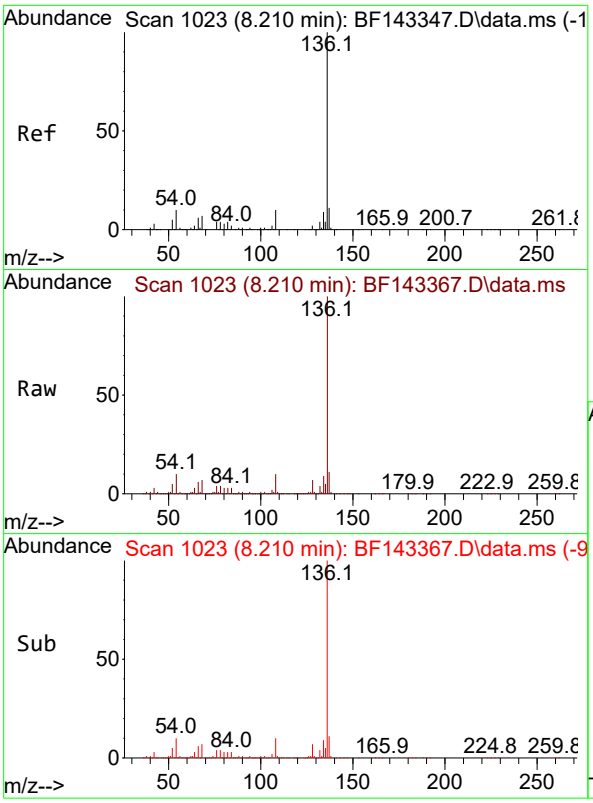


#20
3+4-Methylphenols
Concen: 42.523 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:107 Resp: 369644

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.6	110.6
77	142.5	112.0	152.0
79	29.1	9.9	49.9

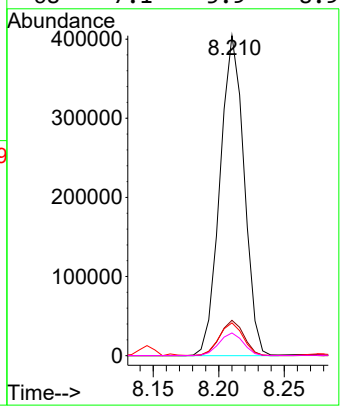




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:136 Resp: 51702

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.4	12.6
68	7.1	5.9	8.9



Instrument :
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ClientSampleId :
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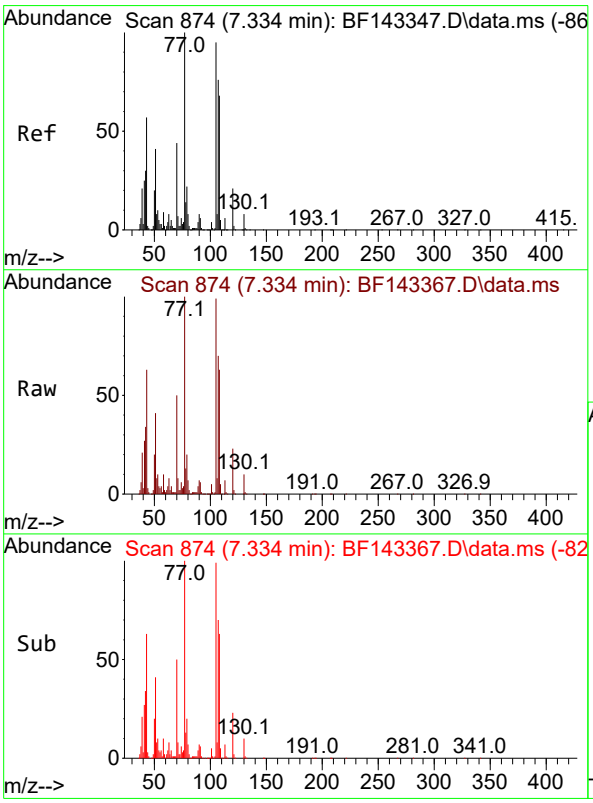
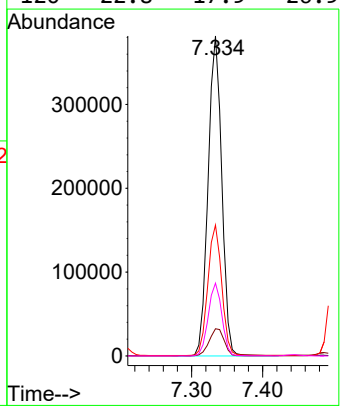
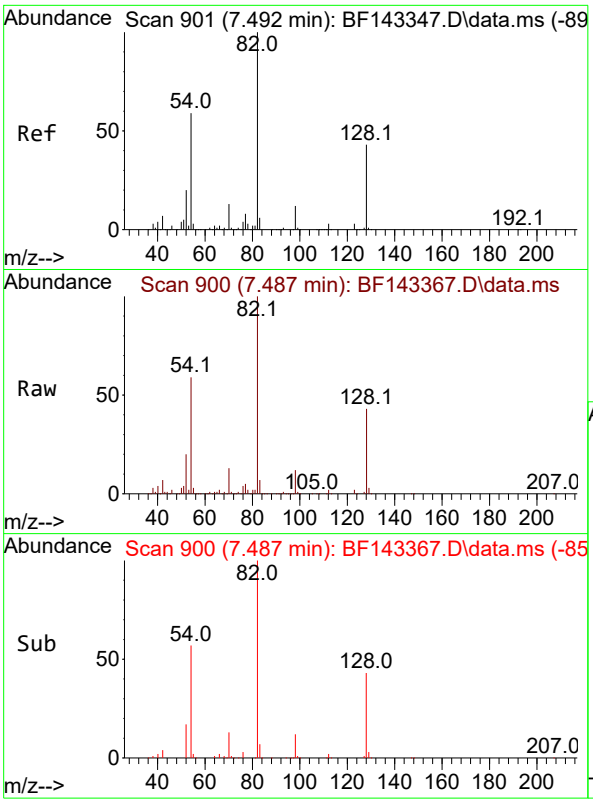


#22
Acetophenone
Concen: 44.896 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:105 Resp: 511443

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.2	9.4
51	40.9	34.8	52.2
120	22.8	17.9	26.9





#23
Nitrobenzene-d5
Concen: 75.422 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 82 Resp: 62618

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.5	50.3
54	58.6	46.7	70.1

Instrument :
BNA_F
ClientSampleId :
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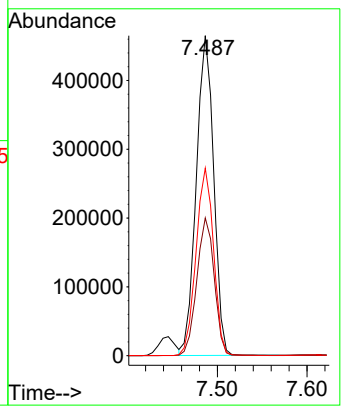
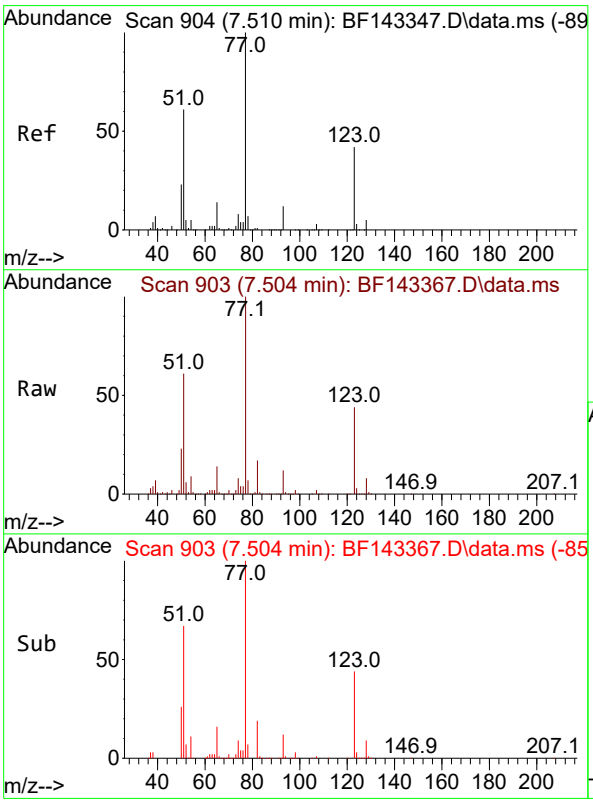
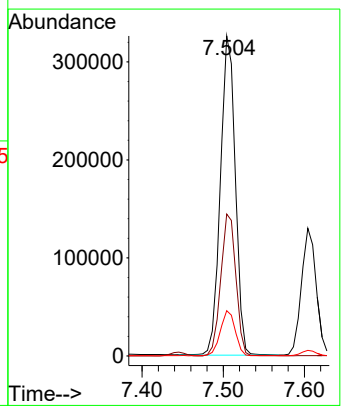


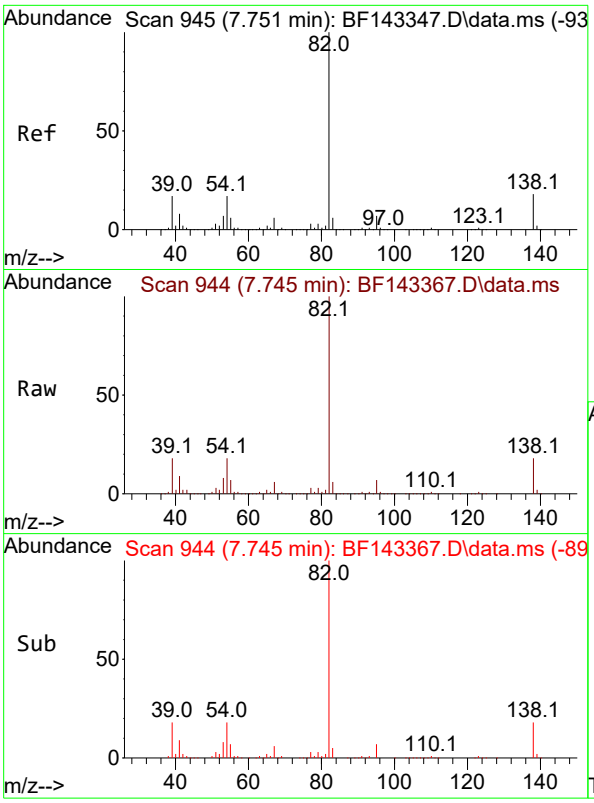


#24
Nitrobenzene
Concen: 46.430 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 77 Resp: 418648

Ion	Ratio	Lower	Upper
77	100		
123	44.3	34.8	52.2
65	14.2	11.0	16.6

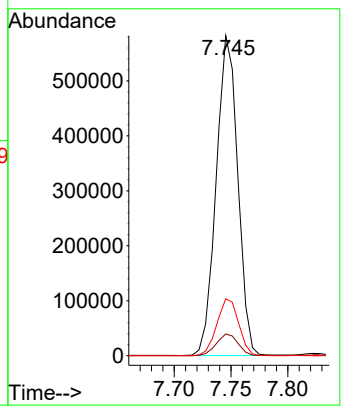




#25
Isophorone
Concen: 45.335 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 82 Resp: 76838

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
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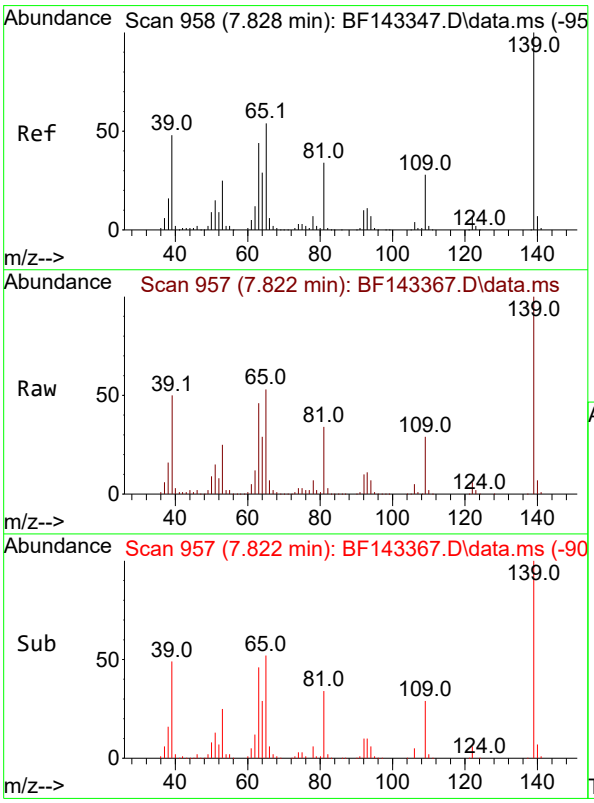
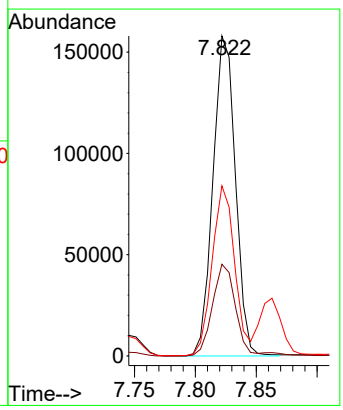
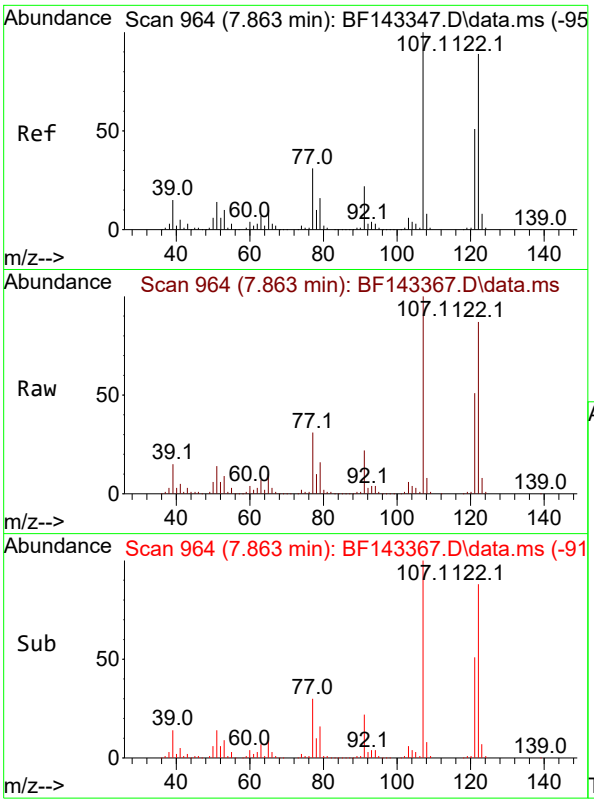


#26
2-Nitrophenol
Concen: 55.608 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:139 Resp: 203194

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.4	33.6
65	53.2	42.9	64.3

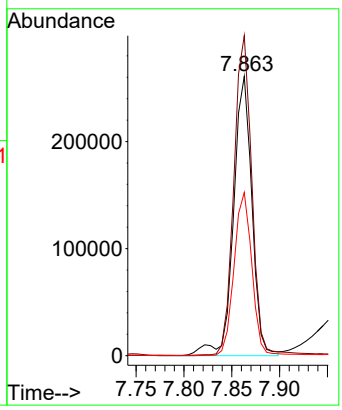




#27
2,4-Dimethylphenol
Concen: 49.398 ng m
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:122 Resp: 34929

Ion	Ratio	Lower	Upper
122	100		
107	114.5	89.9	134.9
121	58.4	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
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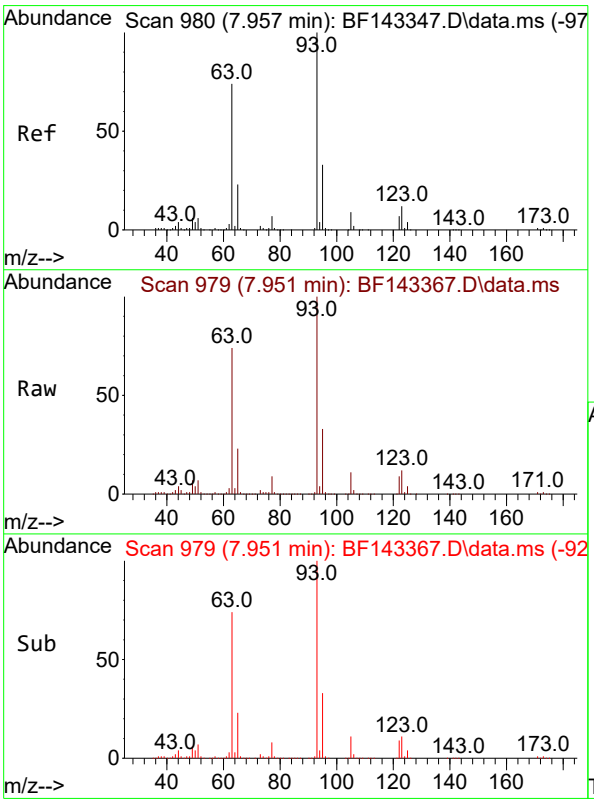
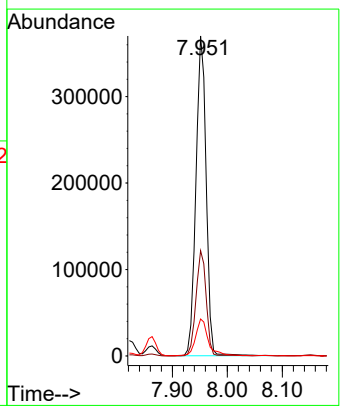
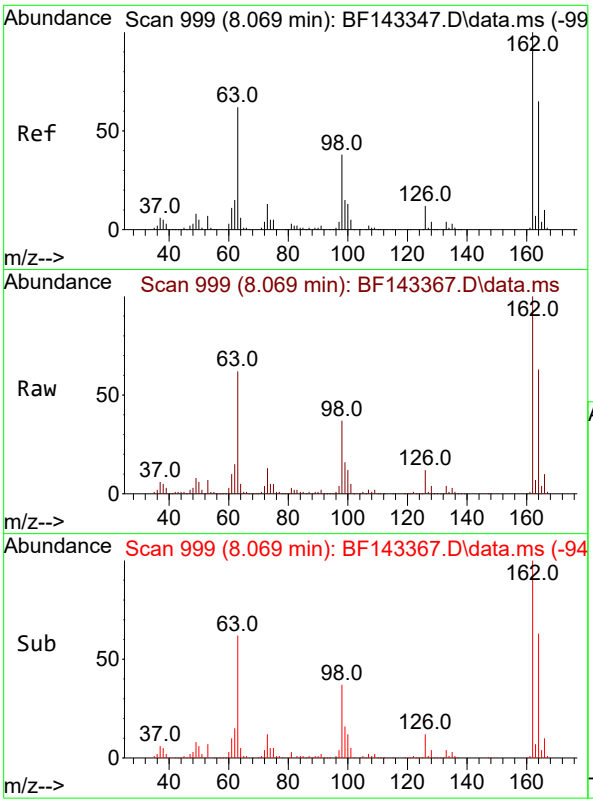


#28
bis(2-Chloroethoxy)methane
Concen: 46.267 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 93 Resp: 478776

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	11.6	9.4	14.2





#29
2,4-Dichlorophenol
Concen: 46.926 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:162 Resp: 32409

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.5	84.5
98	37.3	17.7	57.7

Instrument :
BNA_F
ClientSampleId :
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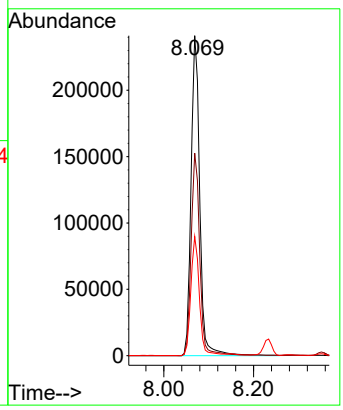
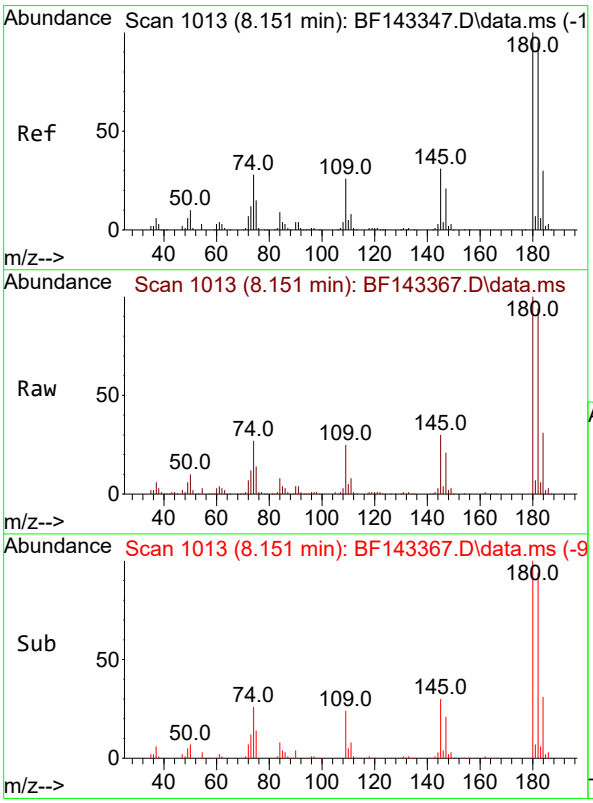
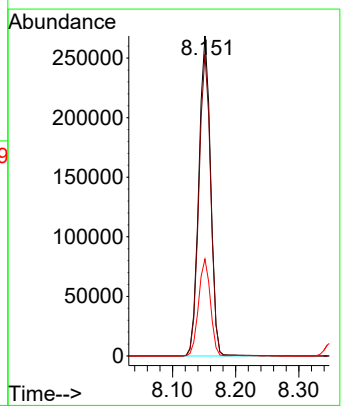


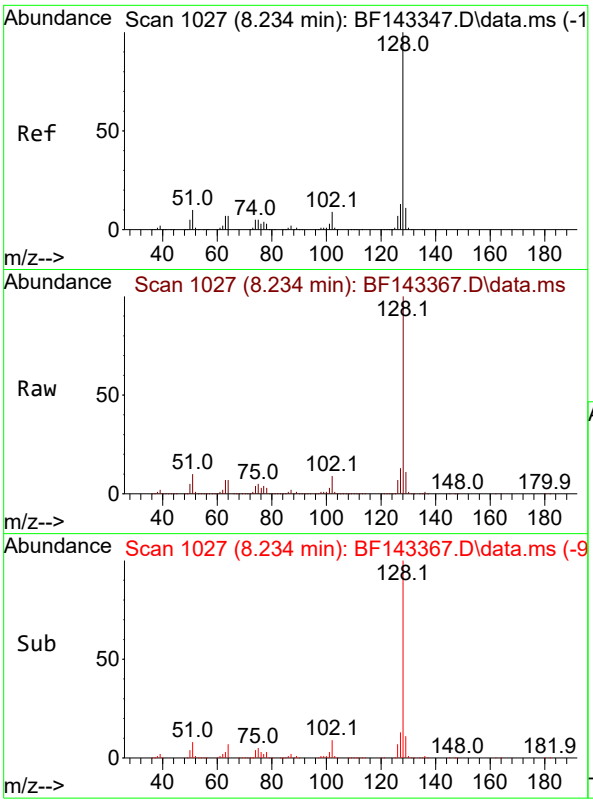


#30
1,2,4-Trichlorobenzene
Concen: 47.679 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:180 Resp: 347348

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	30.3	24.9	37.3





#31
Naphthalene
Concen: 43.806 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:128 Resp: 108983

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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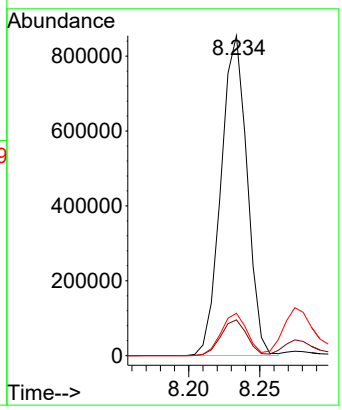
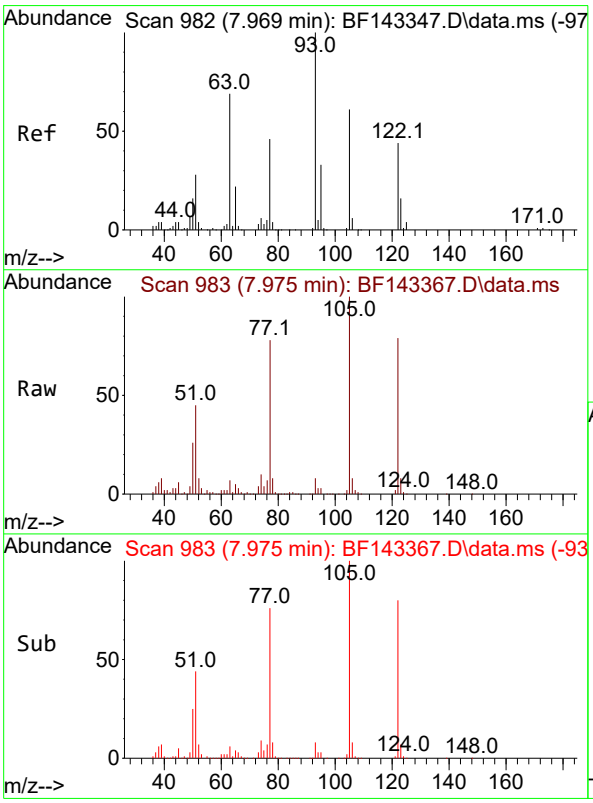
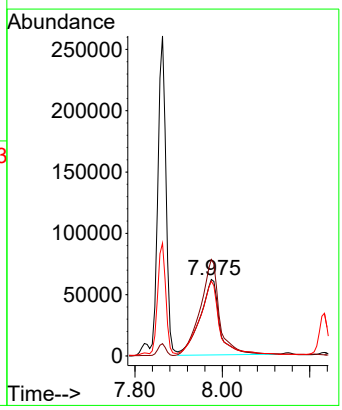


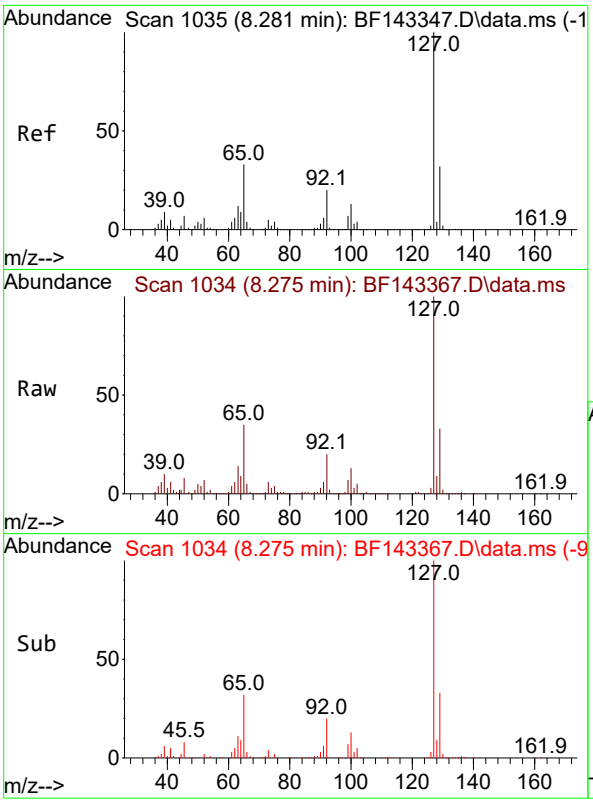


#32
Benzoic acid
Concen: 58.598 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:122 Resp: 193304

Ion	Ratio	Lower	Upper
122	100		
105	126.2	106.4	146.4
77	98.0	79.2	119.2

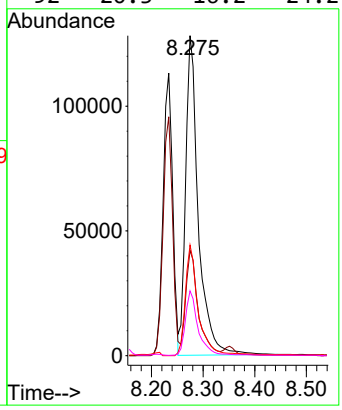




#33
4-Chloroaniline
Concen: 24.424 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:127 Resp: 21916

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.5	27.0	40.4
92	20.3	16.2	24.2



Instrument :
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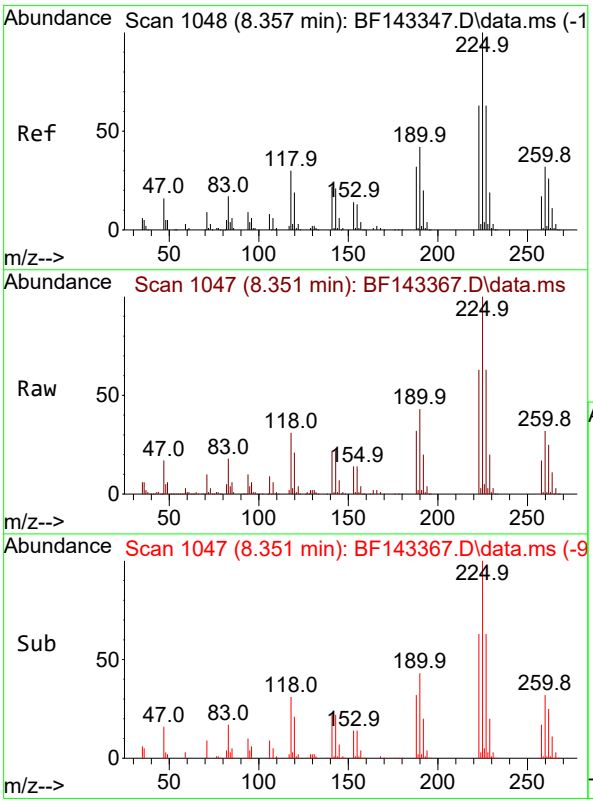
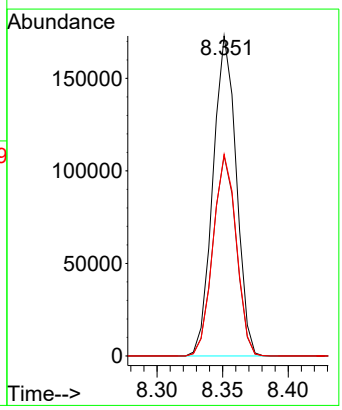
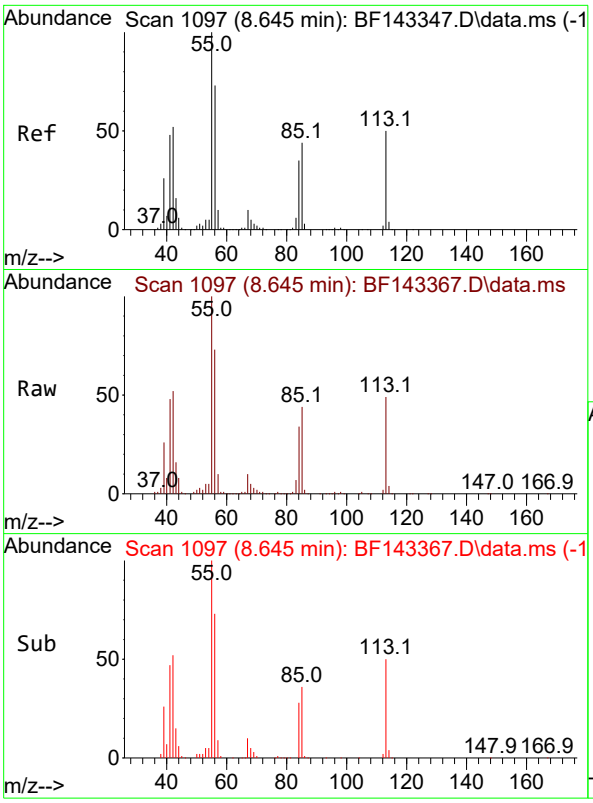


#34
Hexachlorobutadiene
Concen: 47.123 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:225 Resp: 213552

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.0	50.6	75.8





#35
Caprolactam
Concen: 49.365 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:113 Resp: 9584

Ion	Ratio	Lower	Upper
113	100		
55	202.8	181.4	221.4
56	148.3	127.3	167.3

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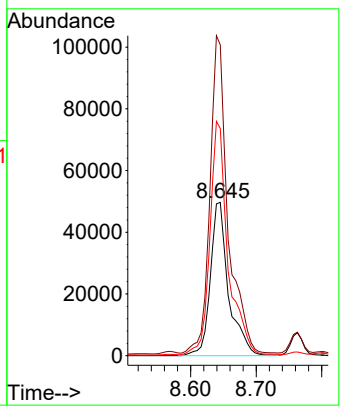
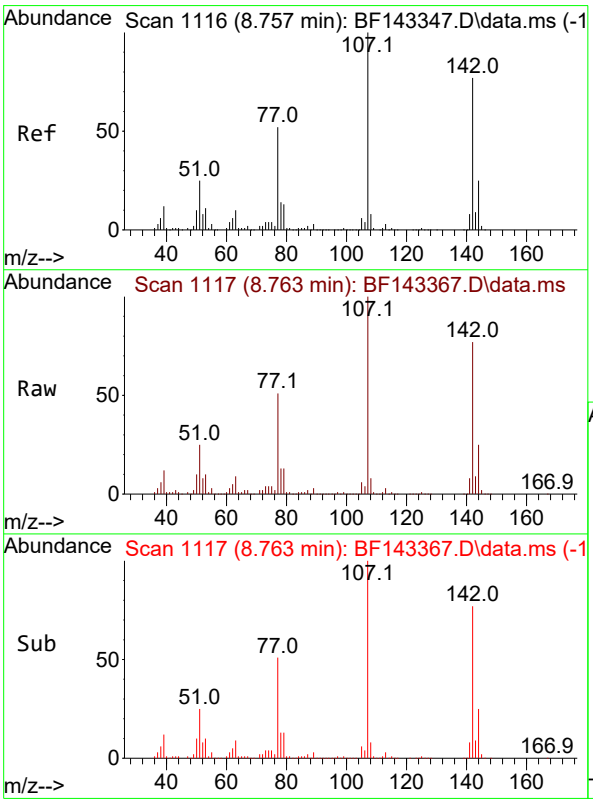
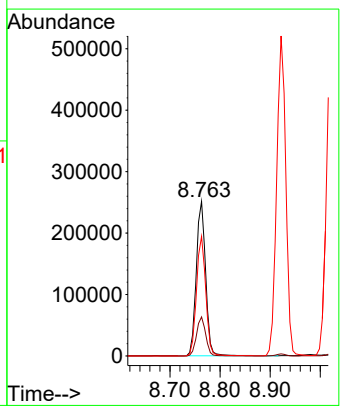


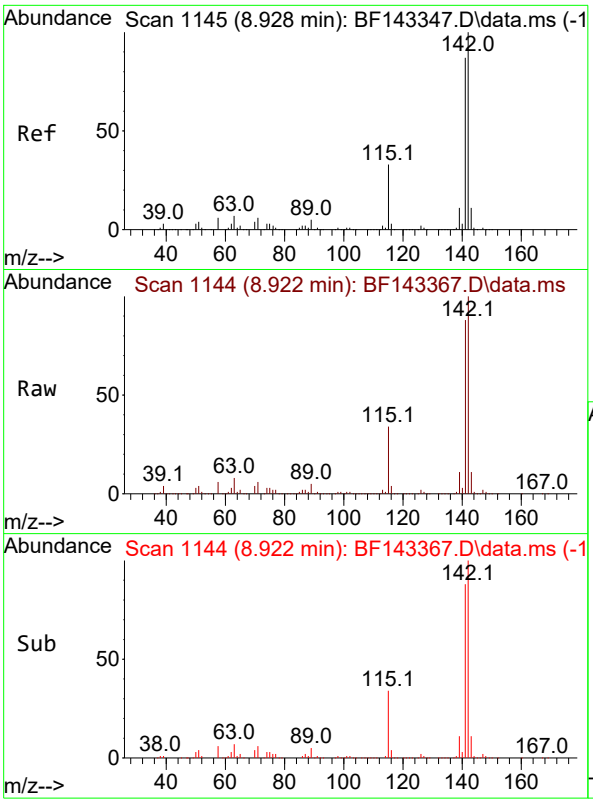


#36
4-Chloro-3-methylphenol
Concen: 44.895 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:107 Resp: 325053

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.0	30.0
142	77.4	61.3	91.9





#37
2-Methylnaphthalene
Concen: 40.391 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:142 Resp: 66062

Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.8	104.8

Instrument :
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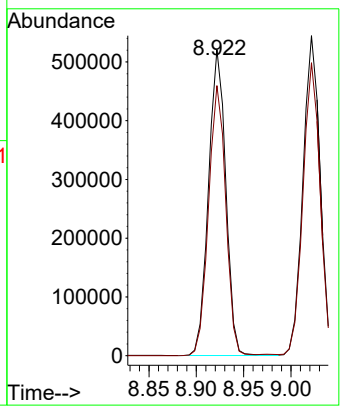
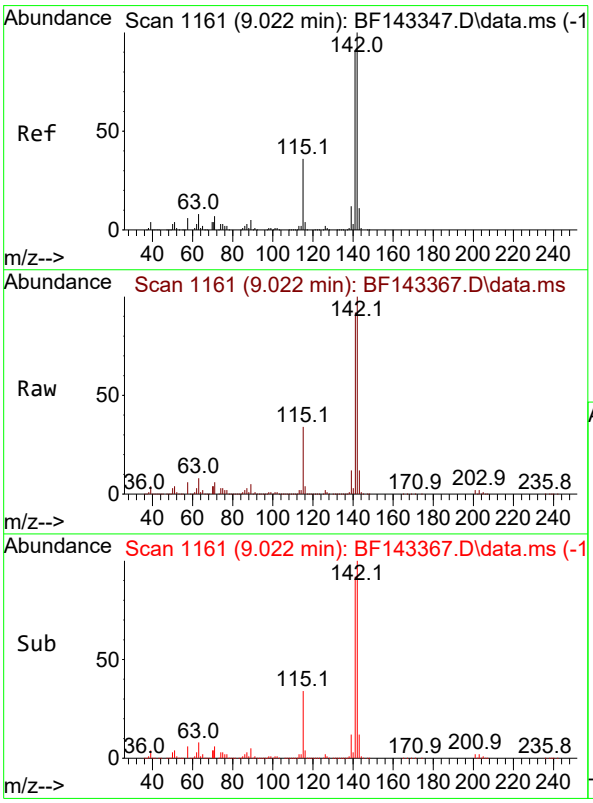
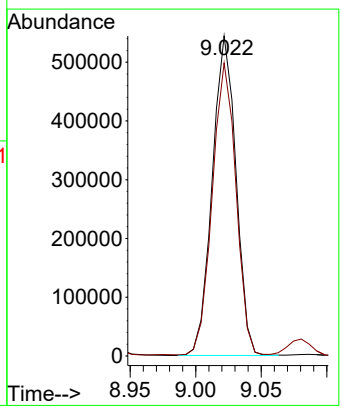


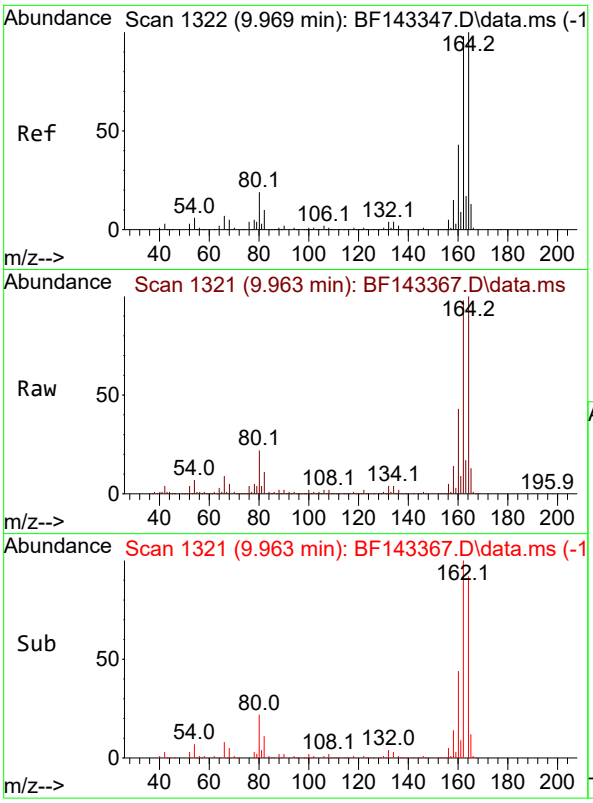


#38
1-Methylnaphthalene
Concen: 43.320 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:142 Resp: 682387

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4

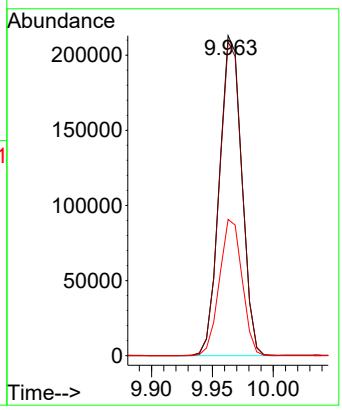




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:164 Resp: 27256

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.6	118.0
160	42.6	34.4	51.6



Instrument :
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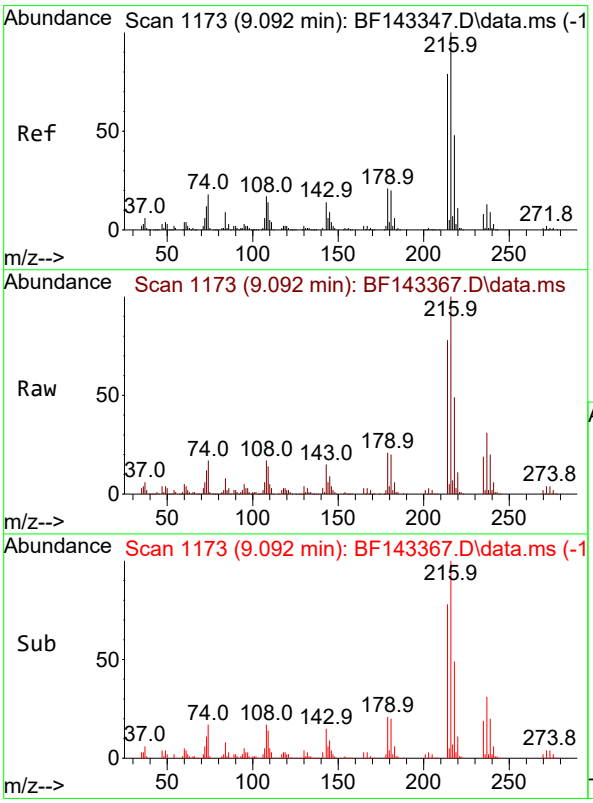
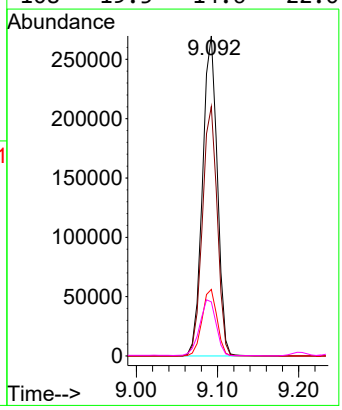
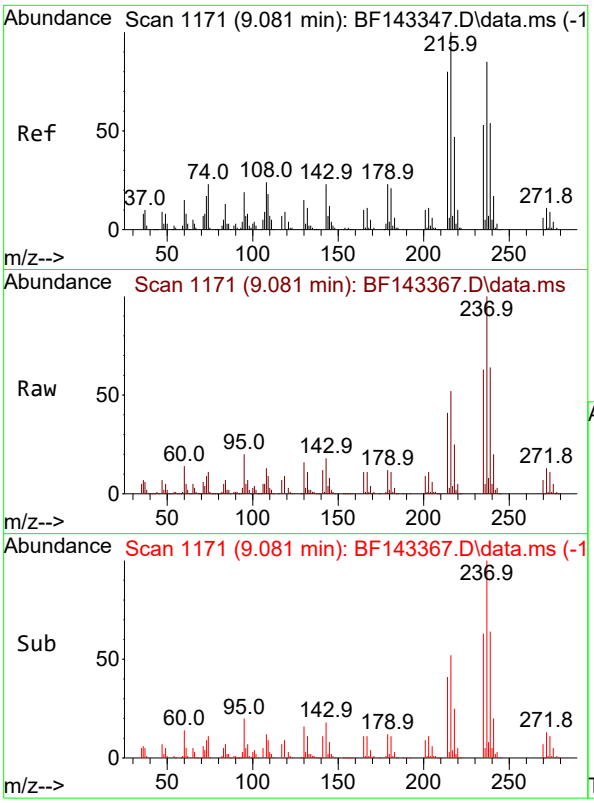


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.694 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:216 Resp: 340812

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.0	17.0	25.4
108	19.5	14.6	22.0





#41
Hexachlorocyclopentadiene
Concen: 113.347 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:237 Resp: 30613

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.0	82.0
272	13.4	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
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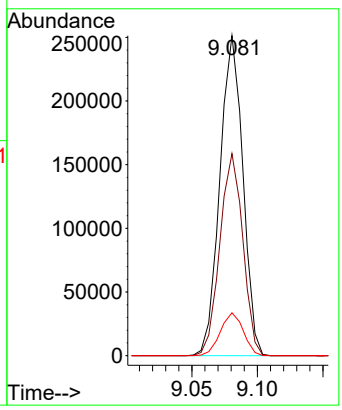
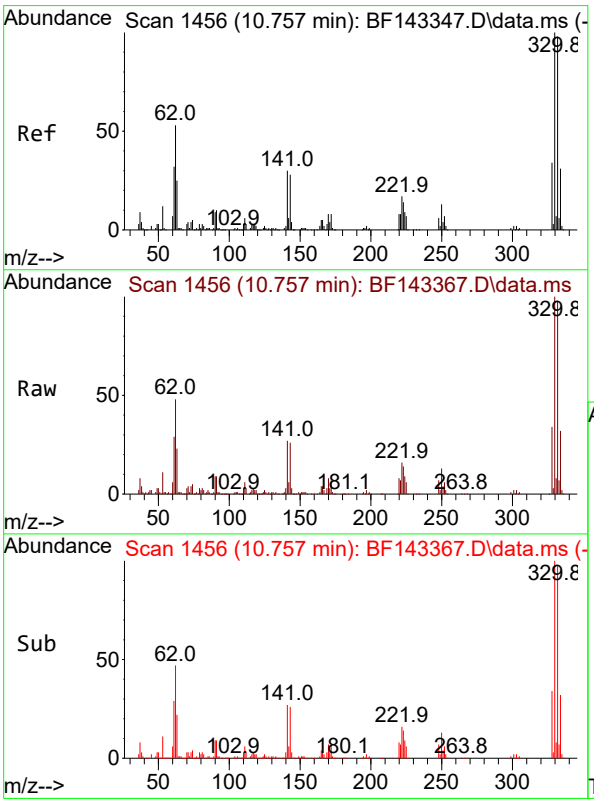
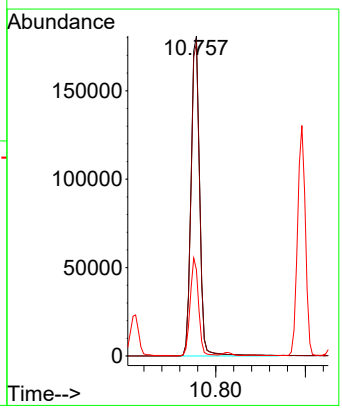


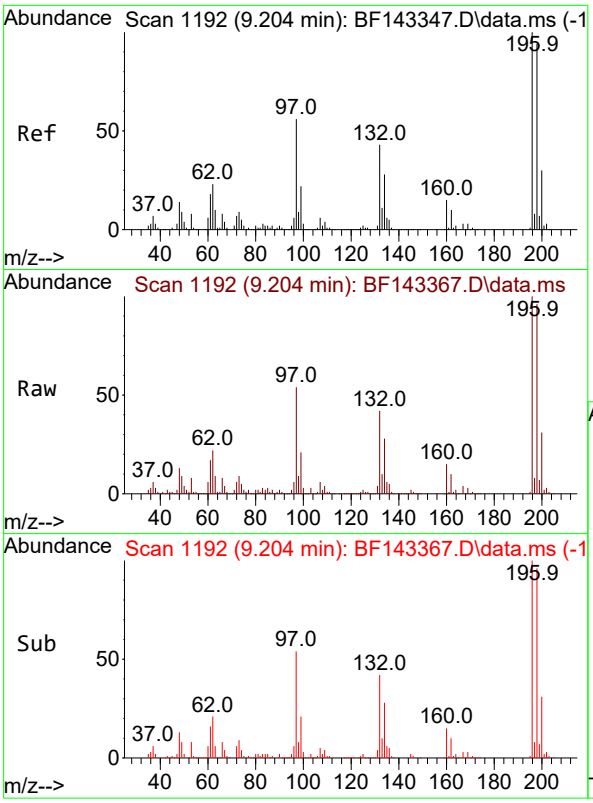


#42
2,4,6-Tribromophenol
Concen: 121.066 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:330 Resp: 241161

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	29.9	25.4	38.0

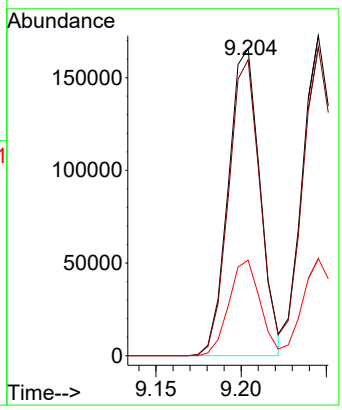




#43
2,4,6-Trichlorophenol
Concen: 50.715 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:196 Resp: 21462

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.4	113.0
200	31.1	24.3	36.5



Instrument :
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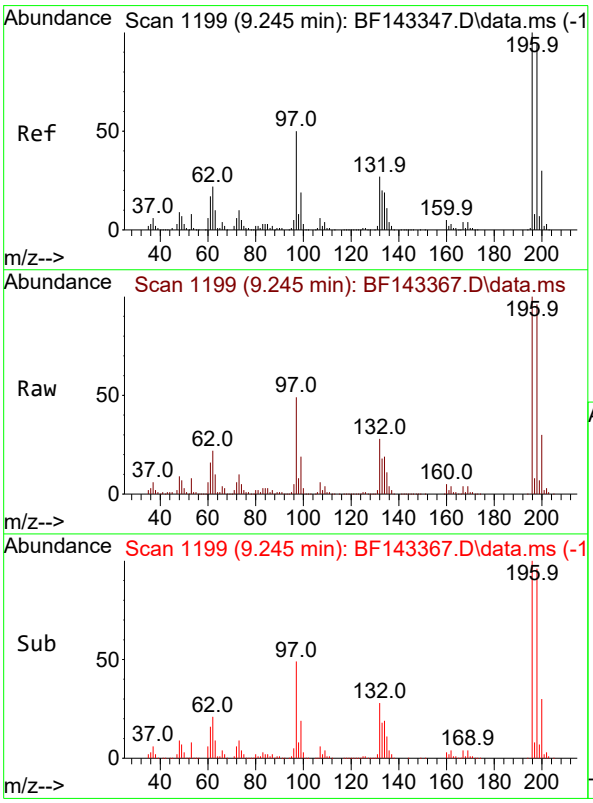
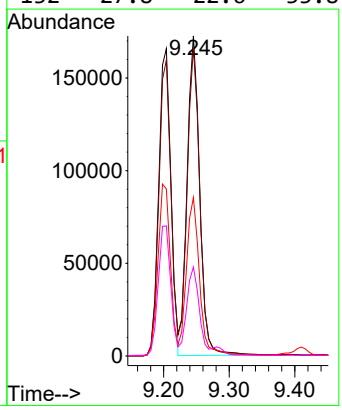
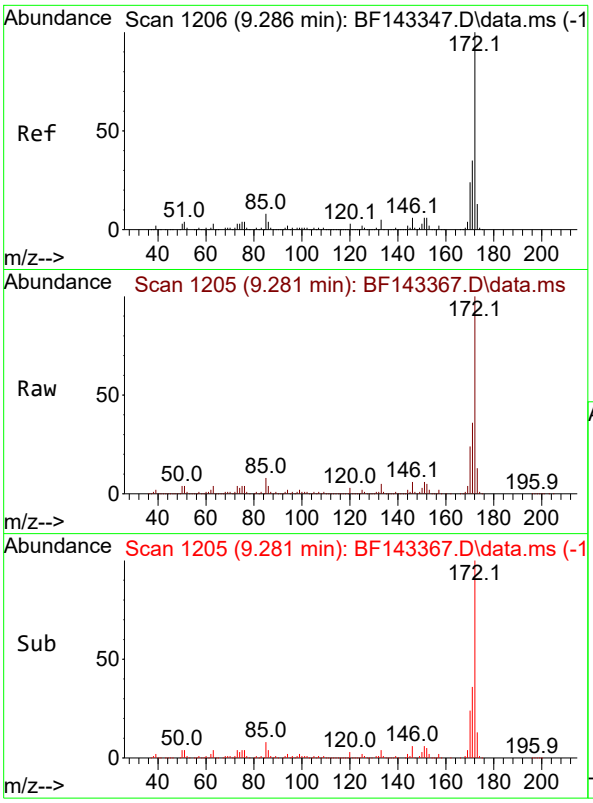


#44
2,4,5-Trichlorophenol
Concen: 48.084 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:196 Resp: 229789

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.4	113.2
97	49.5	39.9	59.9
132	27.8	22.6	33.8

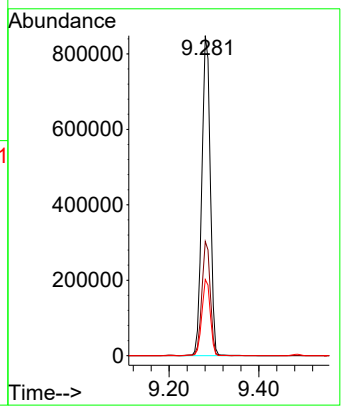




#45
2-Fluorobiphenyl
Concen: 68.922 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:172 Resp: 110782

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.8	19.1	28.7



Instrument :
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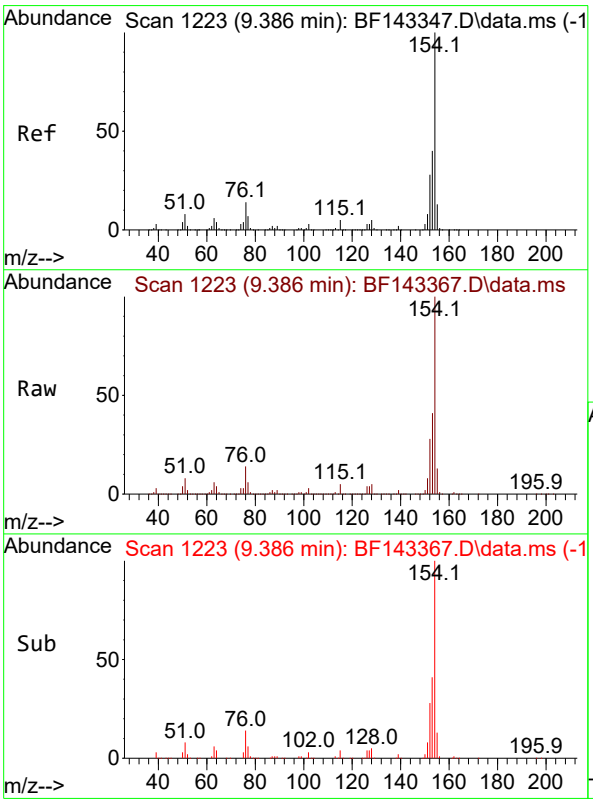
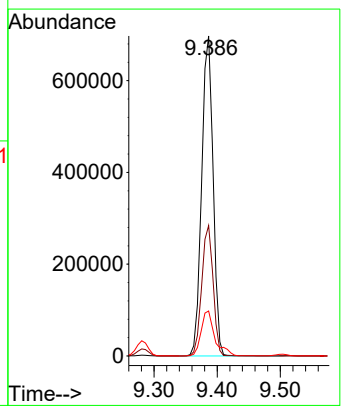
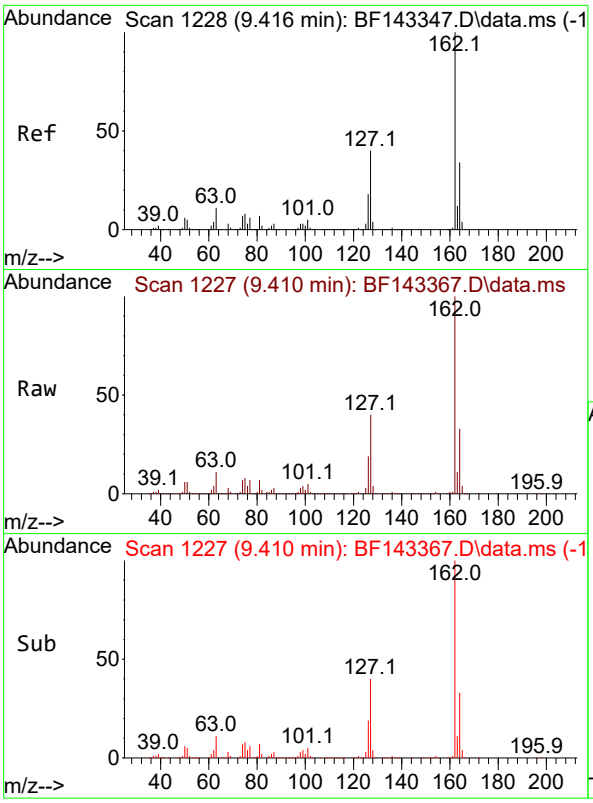


#46
1,1'-Biphenyl
Concen: 45.476 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:154 Resp: 876424

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.2	60.2
76	14.1	0.0	34.4

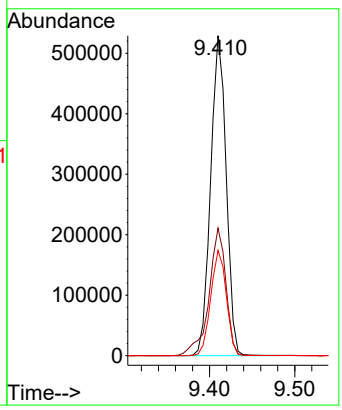




#47
2-Chloronaphthalene
Concen: 44.200 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:162 Resp: 67087

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	32.9	27.0	40.4



Instrument :
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ClientSampleId :
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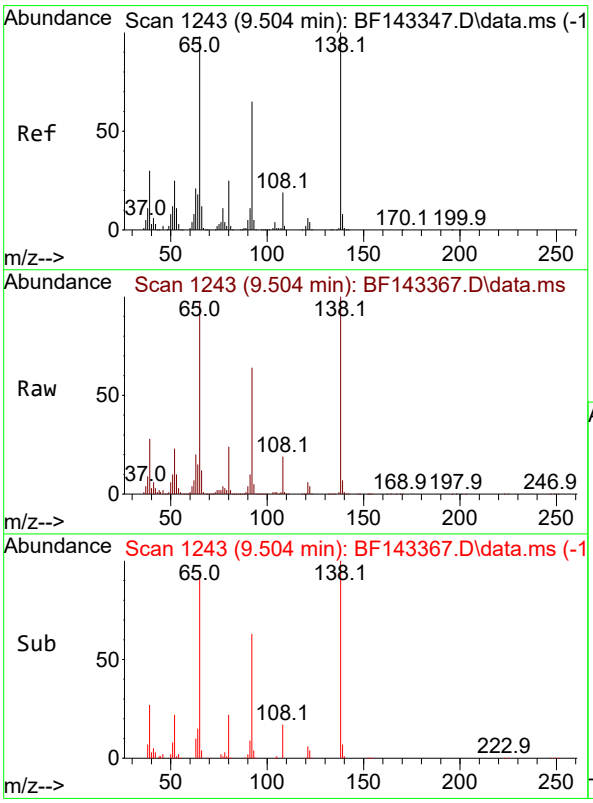
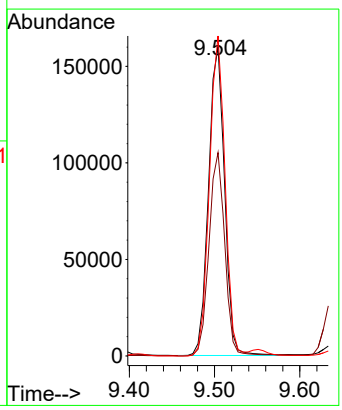
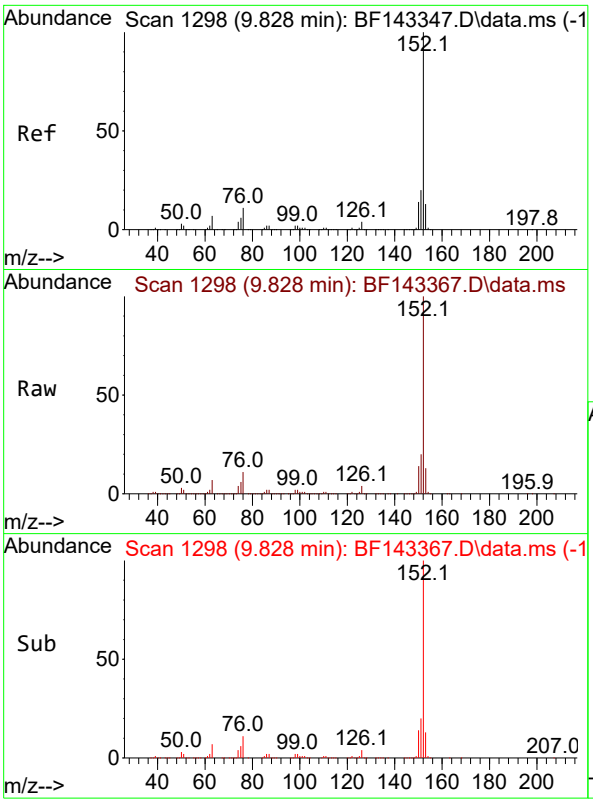


#48
2-Nitroaniline
Concen: 47.772 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 65 Resp: 209062

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.1	79.7
138	103.6	81.4	122.0

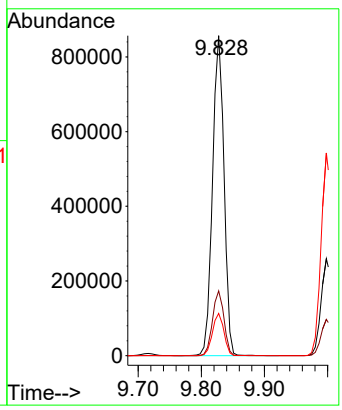




#49
Acenaphthylene
Concen: 49.207 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:152 Resp: 107856

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.2	10.6	16.0



Instrument :
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ClientSampleId :
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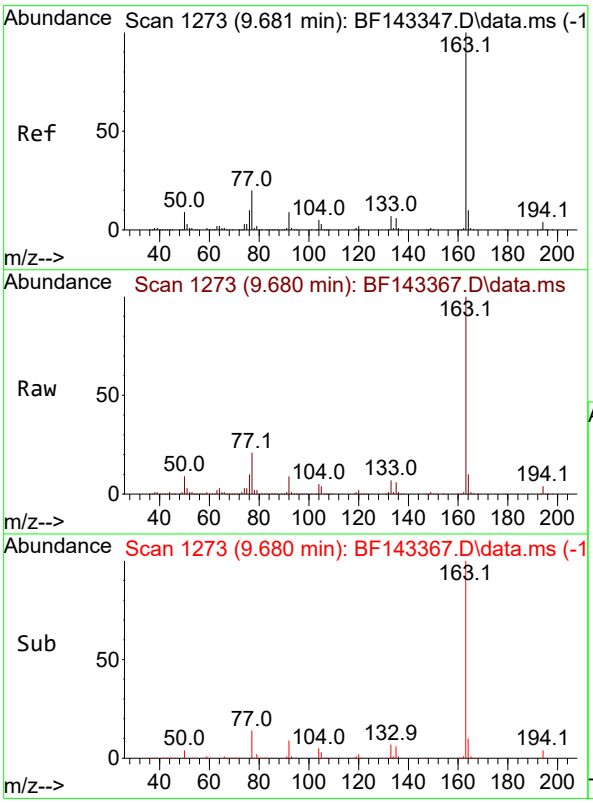
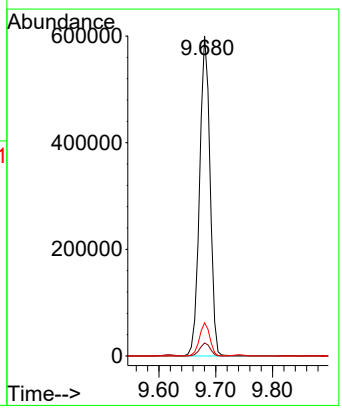
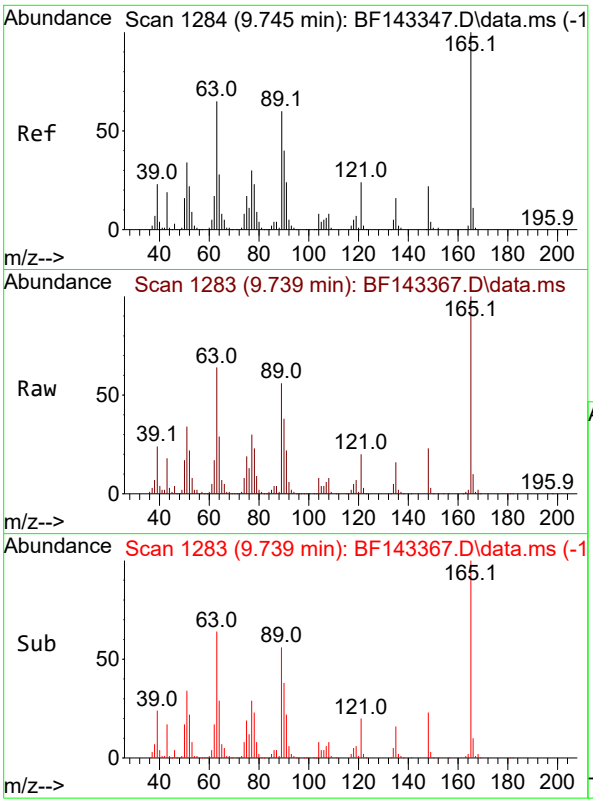


#50
Dimethylphthalate
Concen: 48.184 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:163 Resp: 767406

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 54.402 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:165 Resp: 16522

Ion	Ratio	Lower	Upper
165	100		
63	63.9	51.6	77.4
89	55.6	47.7	71.5

Instrument :
BNA_F
ClientSampleId :
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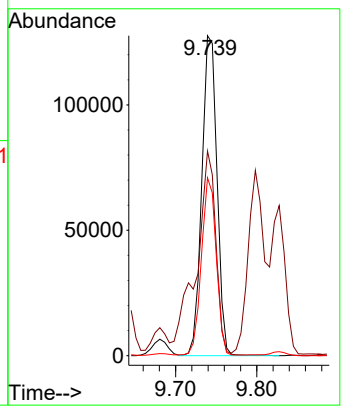
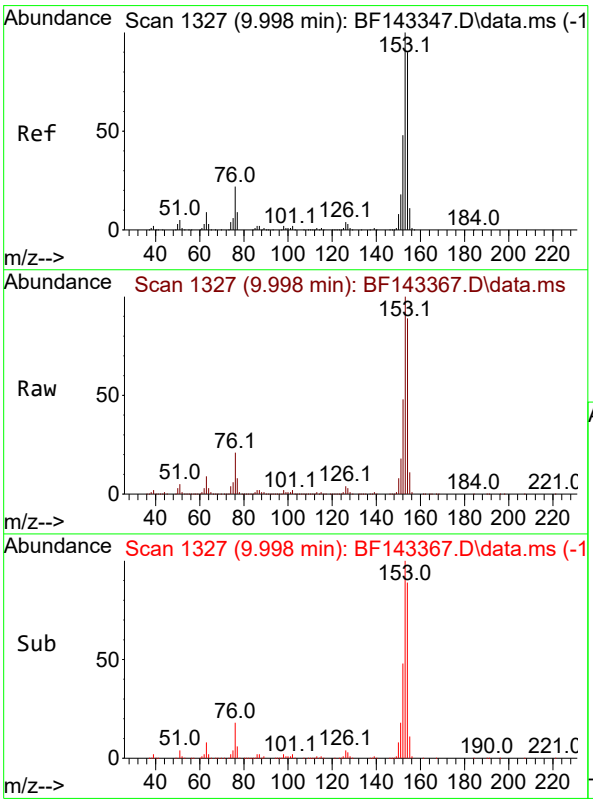
Supervised By :Jagrut Upadhyay 08/15/2025

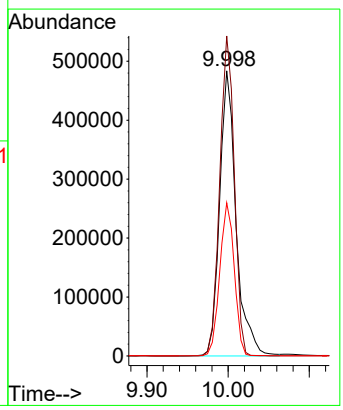


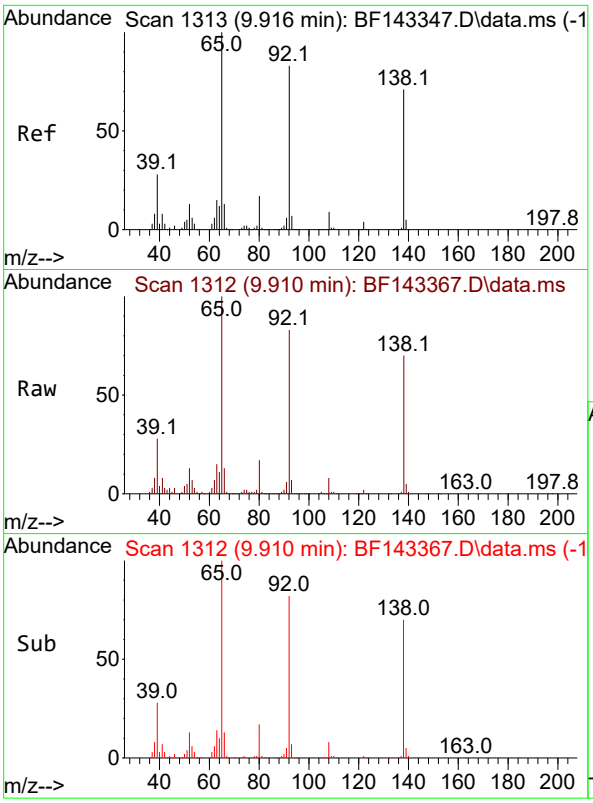


#52
Acenaphthene
Concen: 46.824 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:154 Resp: 682321

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.5	132.7
152	53.7	42.4	63.6





#53
3-Nitroaniline
Concen: 33.253 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:138 Resp: 10845

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.6	14.4
92	118.5	93.4	140.2

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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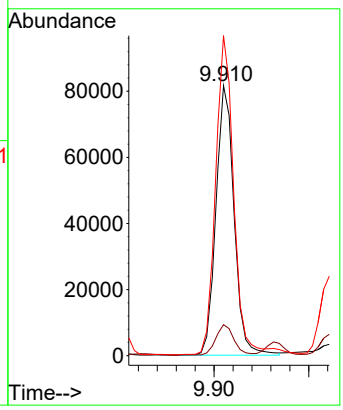
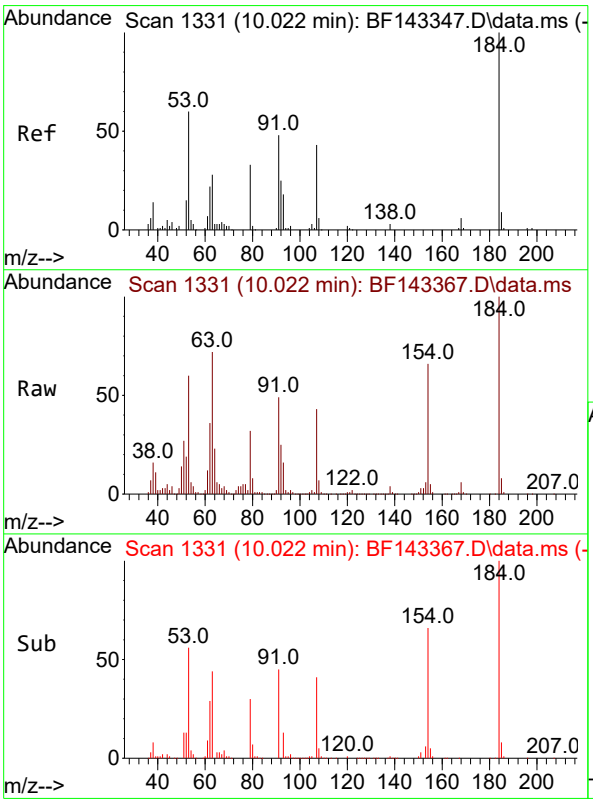
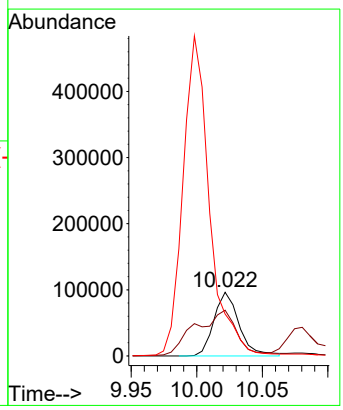


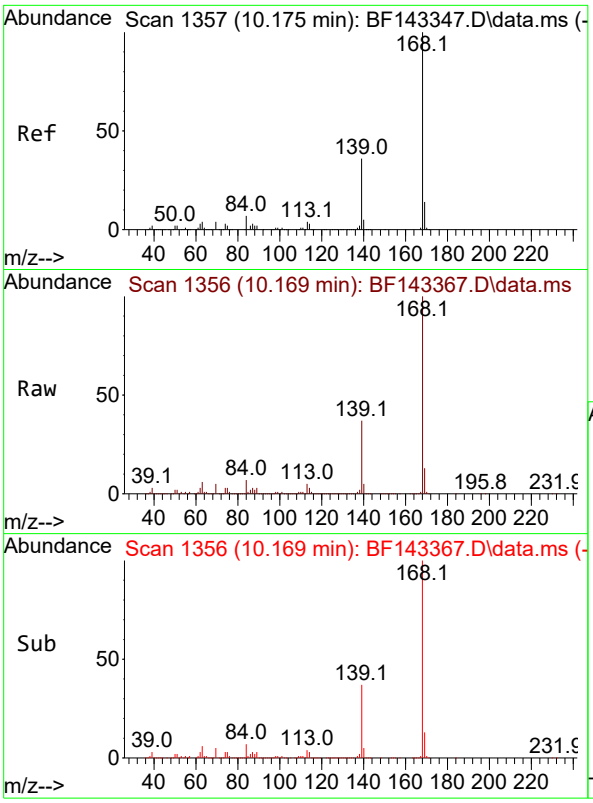


#54
2,4-Dinitrophenol
Concen: 93.173 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:184 Resp: 128950

Ion	Ratio	Lower	Upper
184	100		
63	71.9	62.5	93.7
154	66.0	73.0	109.4#

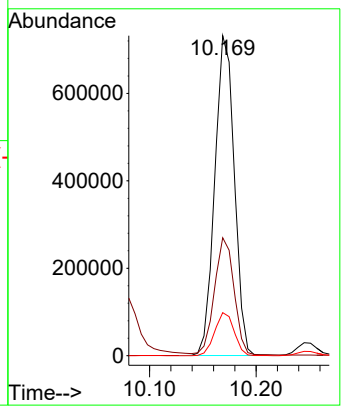




#55
Dibenzofuran
Concen: 44.351 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:168 Resp: 93015

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.4	44.0
169	13.5	11.0	16.6



Instrument :
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ClientSampleId :
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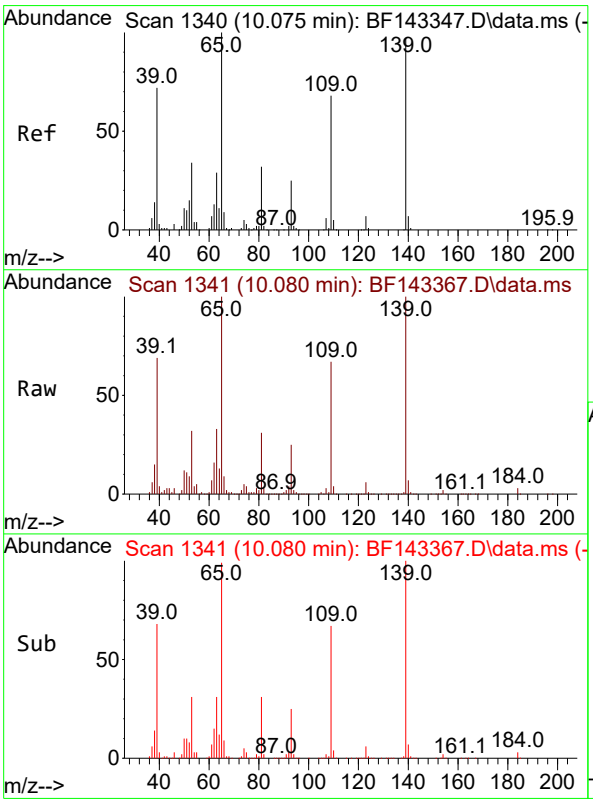
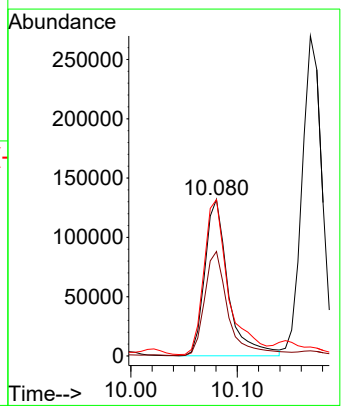
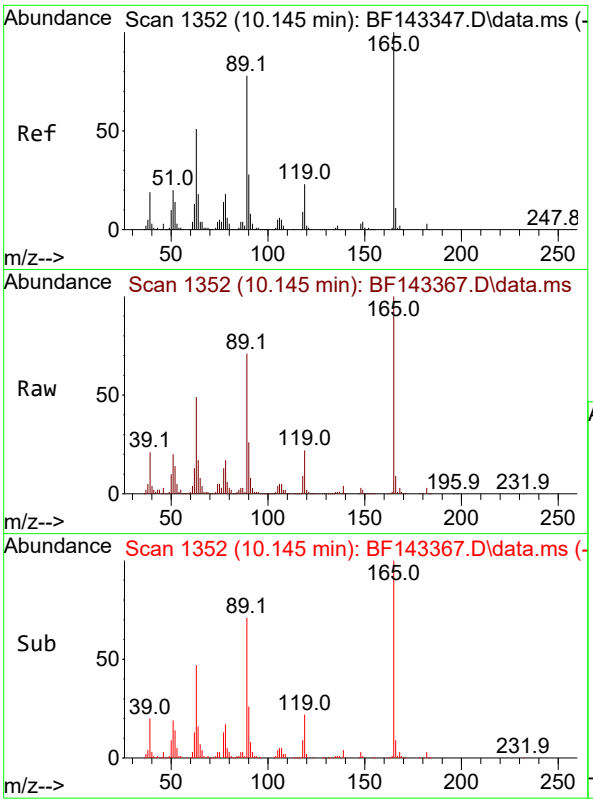


#56
4-Nitrophenol
Concen: 77.373 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:139 Resp: 201185

Ion	Ratio	Lower	Upper
139	100		
109	66.8	49.4	89.4
65	99.9	83.7	123.7

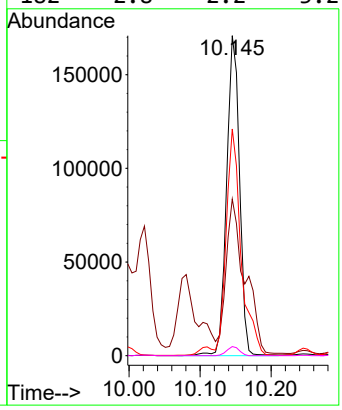




#57
2,4-Dinitrotoluene
Concen: 53.556 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:165 Resp: 21567

Ion	Ratio	Lower	Upper
165	100		
63	49.0	41.8	62.8
89	70.8	62.4	93.6
182	2.8	2.2	3.2



Instrument :
BNA_F
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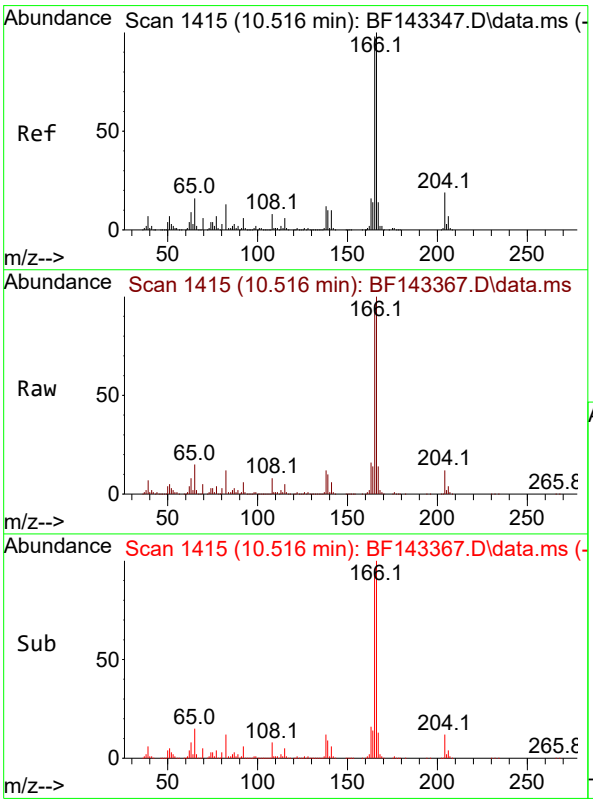
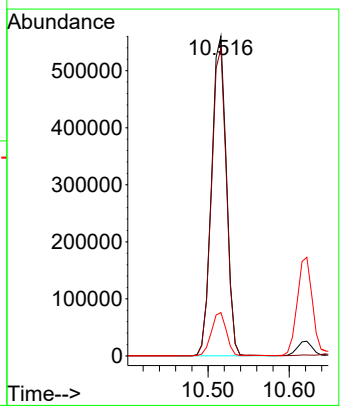
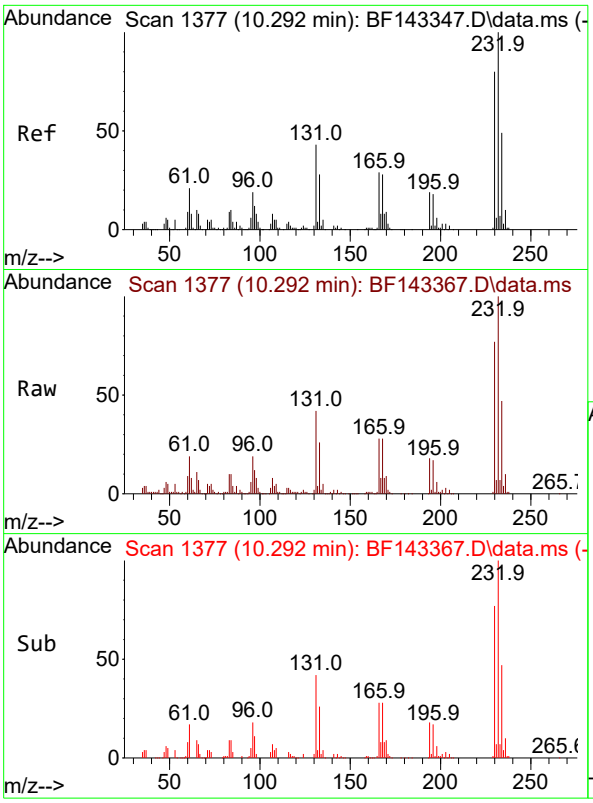


#58
Fluorene
Concen: 44.351 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:166 Resp: 710470

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.2	117.4
167	13.5	10.9	16.3

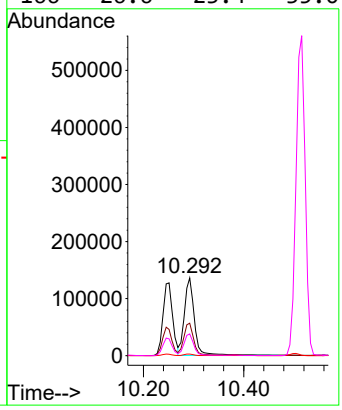




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.151 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:232 Resp: 18733

Ion	Ratio	Lower	Upper
232	100		
131	41.8	34.6	51.8
130	1.8	1.7	2.5
166	26.6	23.4	35.0



Instrument :
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ClientSampleId :
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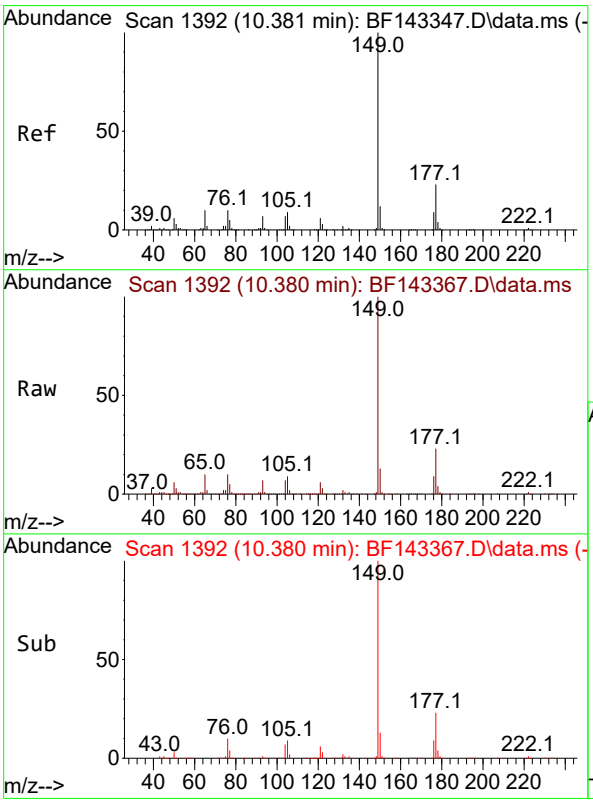
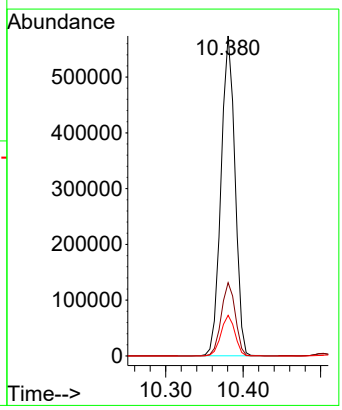
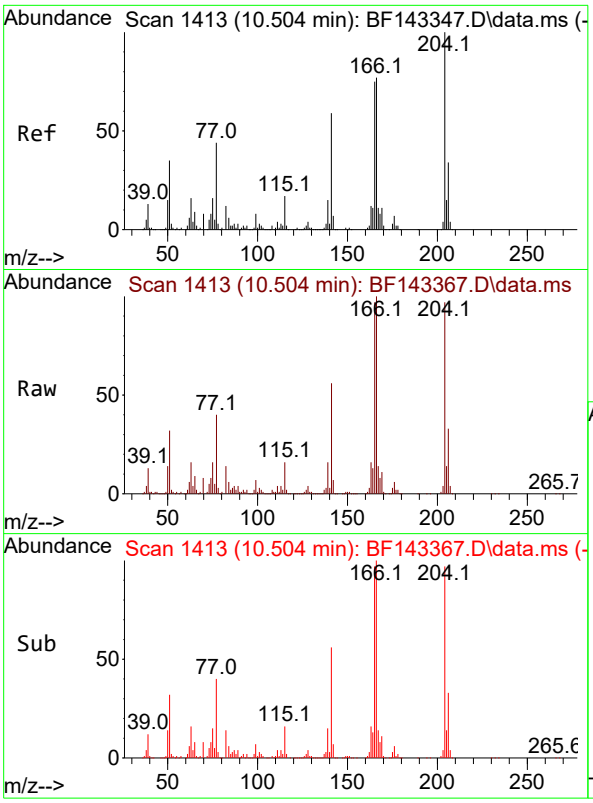


#60
Diethylphthalate
Concen: 50.466 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 719937

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.2	27.2
150	12.7	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 45.513 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:204 Resp: 35228

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	57.5	46.9	70.3

Instrument :
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ClientSampleId :
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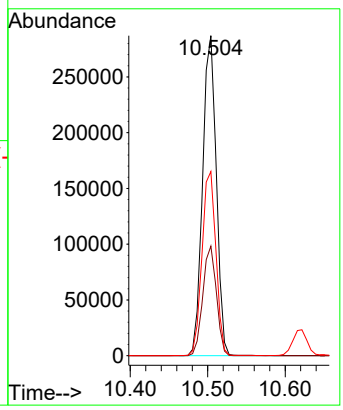
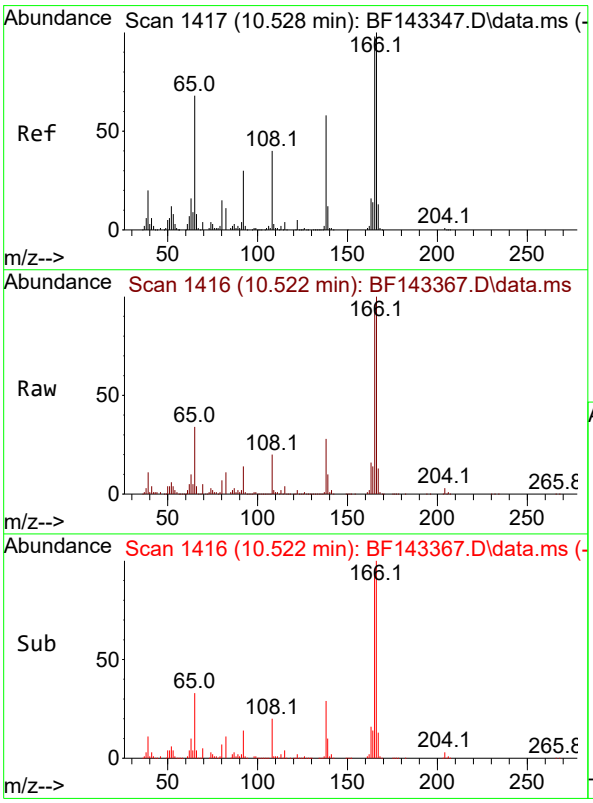
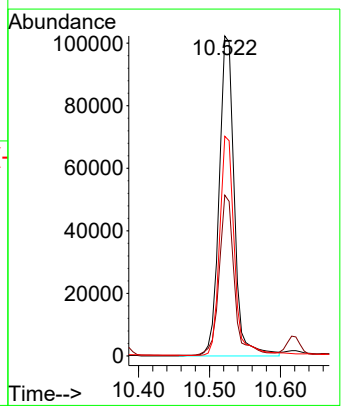


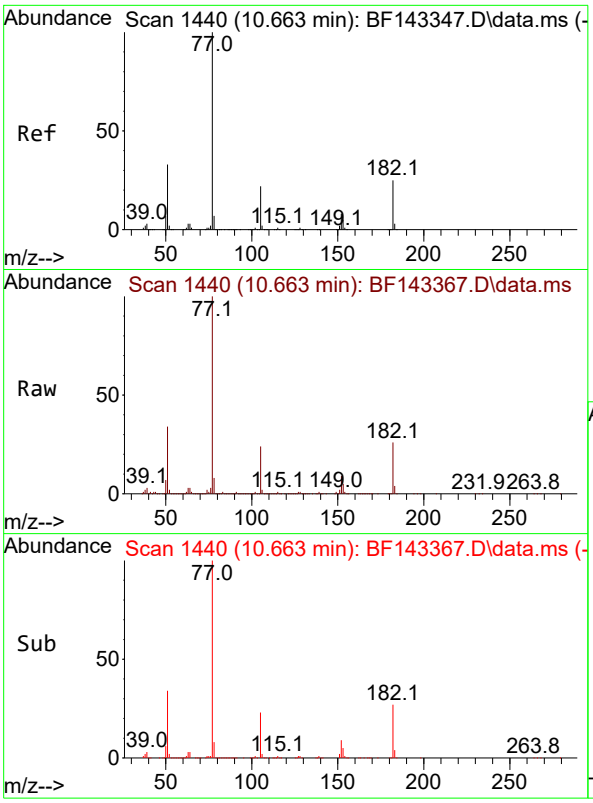


#62
4-Nitroaniline
Concen: 47.789 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:138 Resp: 150805

Ion	Ratio	Lower	Upper
138	100		
92	50.2	31.2	71.2
108	68.7	48.1	88.1

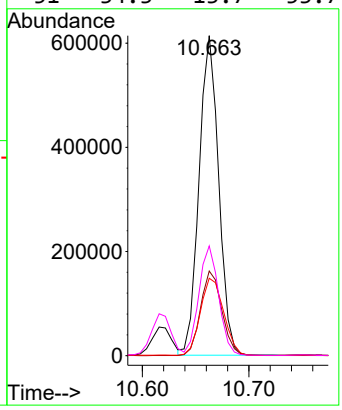




#63
Azobenzene
Concen: 48.208 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 77 Resp: 78552

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.4	44.4
105	24.2	1.8	41.8
51	34.3	13.7	53.7



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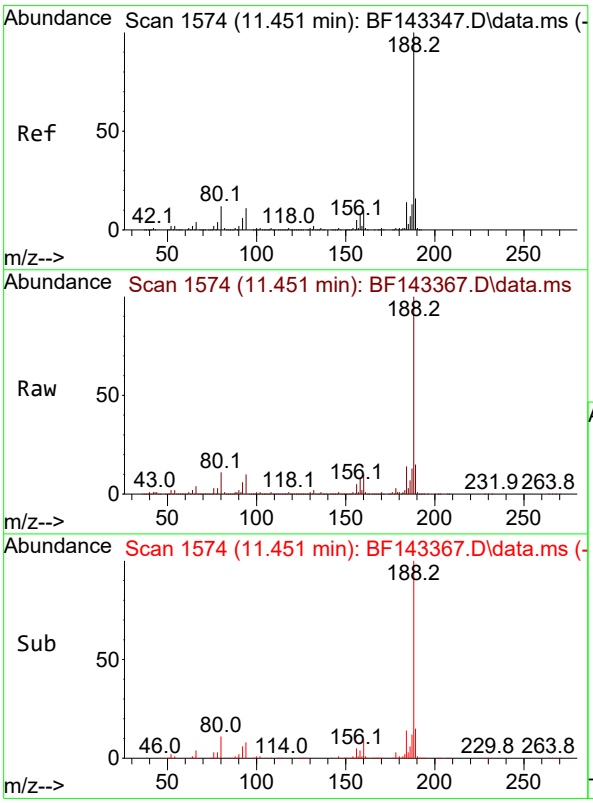
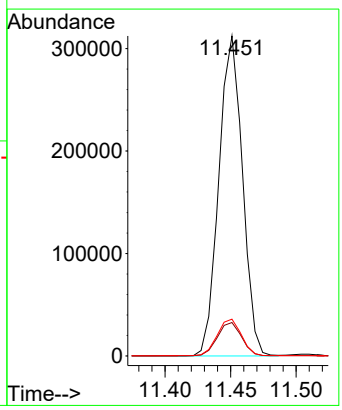
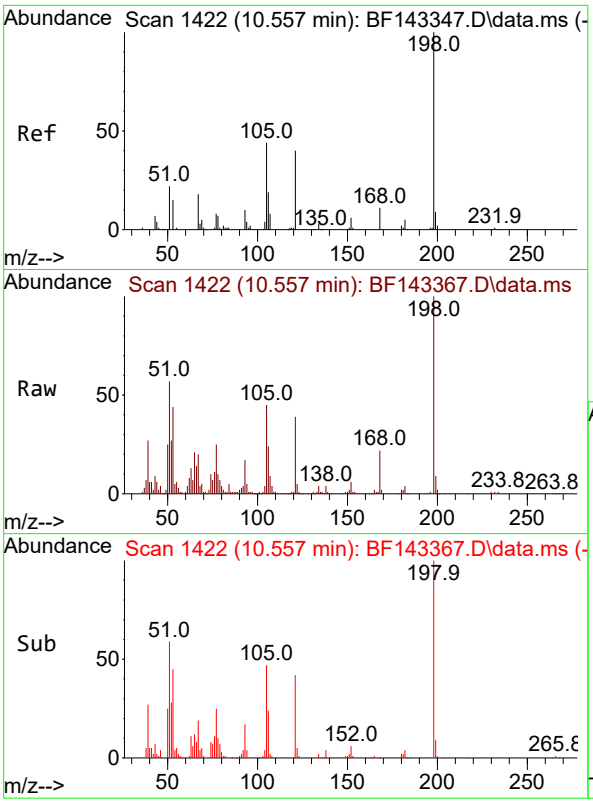


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:188 Resp: 391965

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.8	13.2
80	11.5	9.7	14.5

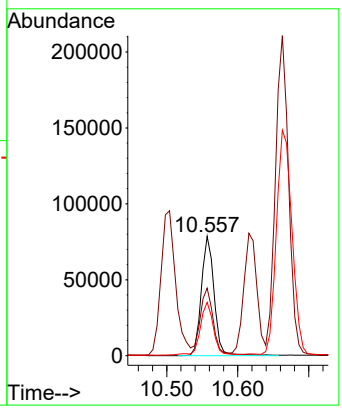




#65
4,6-Dinitro-2-methylphenol
Concen: 60.040 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:198 Resp: 9861

Ion	Ratio	Lower	Upper
198	100		
51	56.6	41.7	81.7
105	44.6	26.8	66.8



Instrument :
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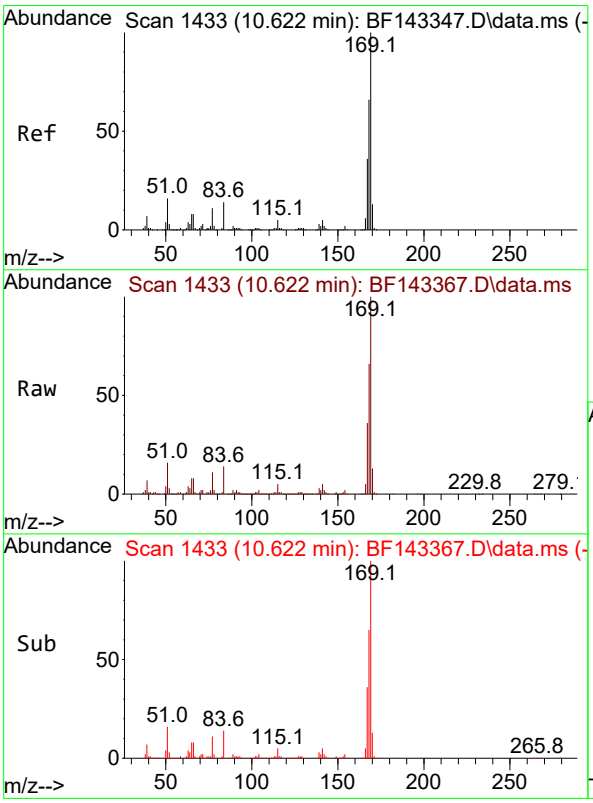
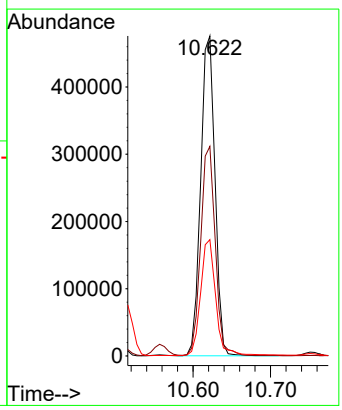
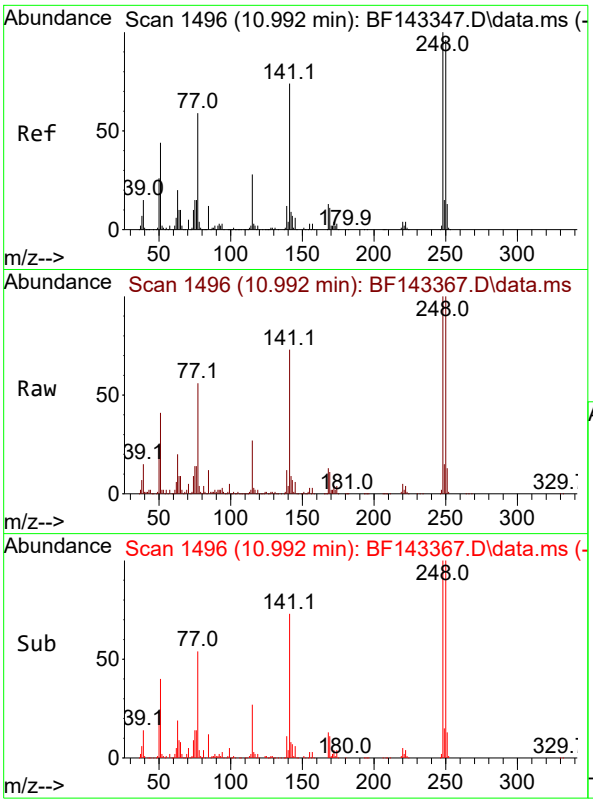


#66
n-Nitrosodiphenylamine
Concen: 47.180 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:169 Resp: 608929

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.7	79.1
167	36.3	28.6	42.8

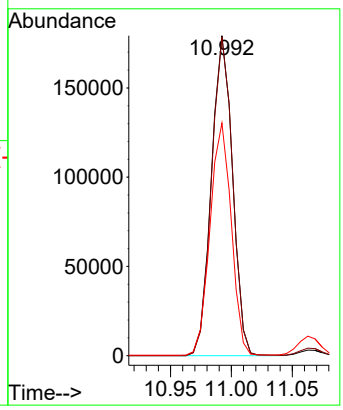




#67
4-Bromophenyl-phenylether
Concen: 48.176 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:248 Resp: 21596

Ion	Ratio	Lower	Upper
248	100		
250	99.6	77.1	115.7
141	72.7	59.1	88.7



Instrument :
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ClientSampleId :
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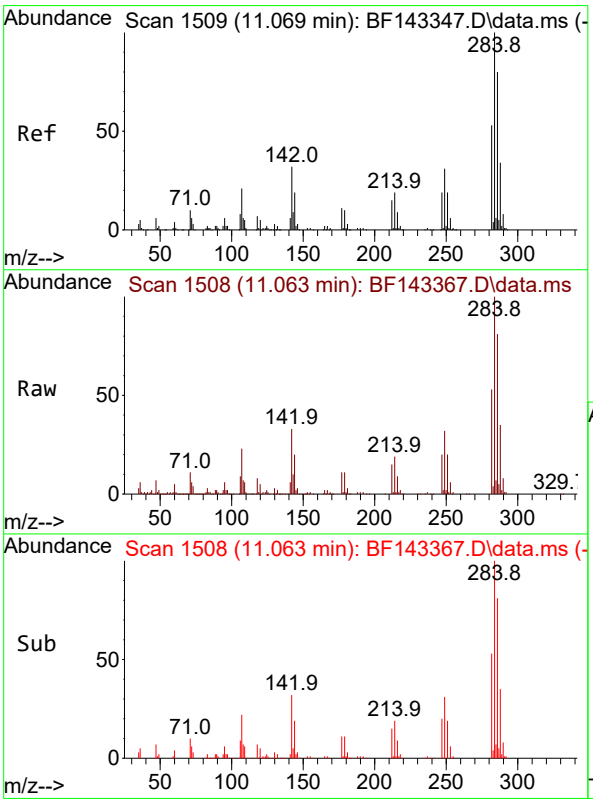
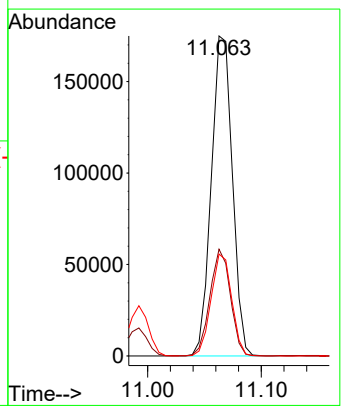
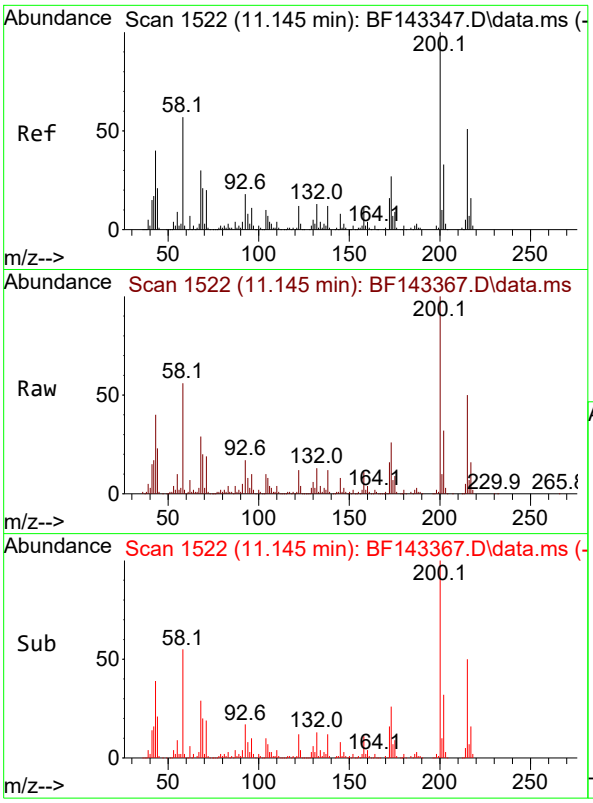


#68
Hexachlorobenzene
Concen: 46.702 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:284 Resp: 225664

Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.7	38.5
249	31.8	24.6	37.0

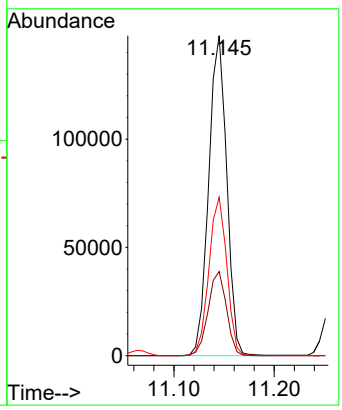




#69
Atrazine
Concen: 54.927 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:200 Resp: 18490

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.6	46.6
215	49.5	30.6	70.6



Instrument :
BNA_F
ClientSampleId :
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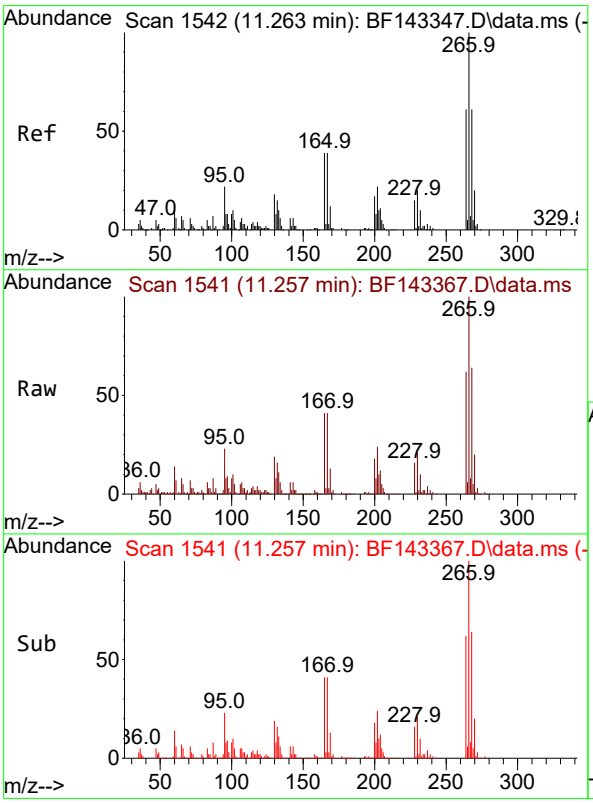
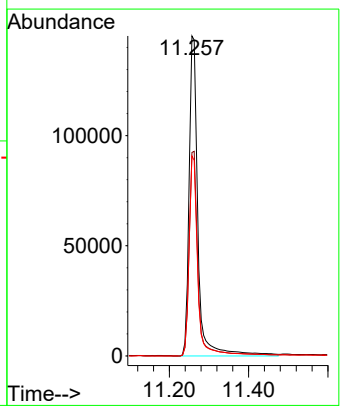
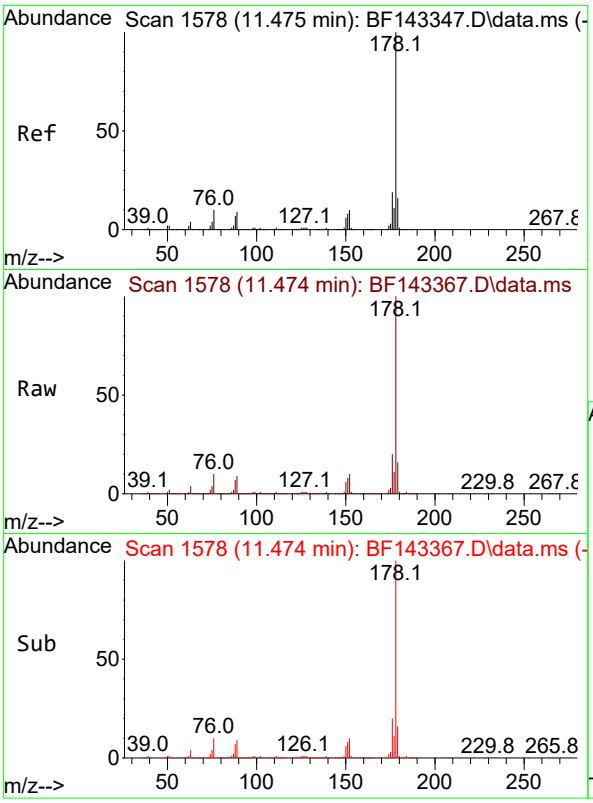


#70
Pentachlorophenol
Concen: 94.613 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:266 Resp: 226544

Ion	Ratio	Lower	Upper
266	100		
268	63.6	48.8	73.2
264	62.5	48.8	73.2

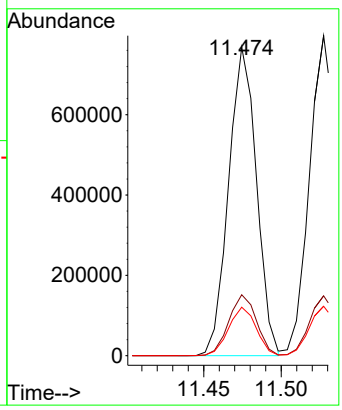




#71
Phenanthrene
Concen: 44.935 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:178 Resp: 96096

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.5	18.7



Instrument :
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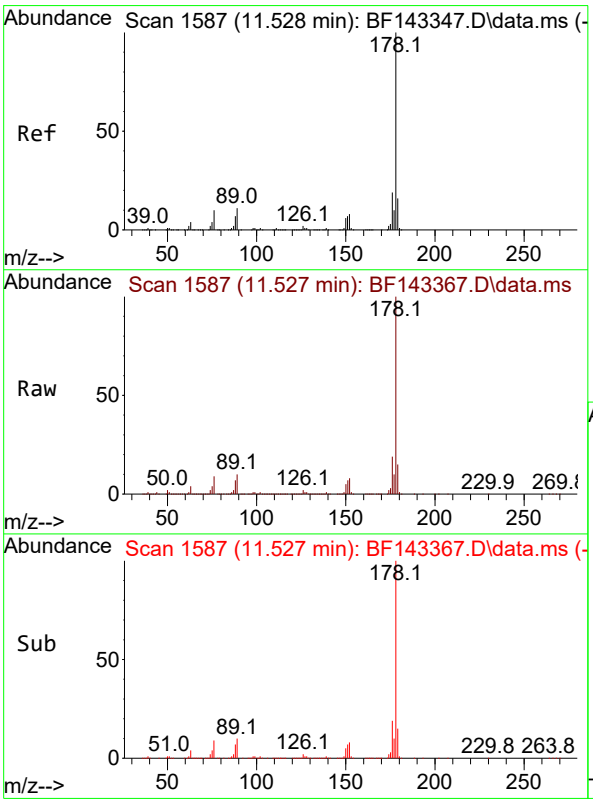
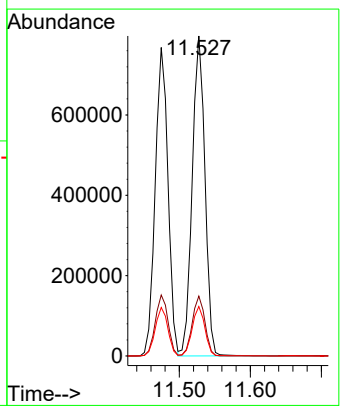
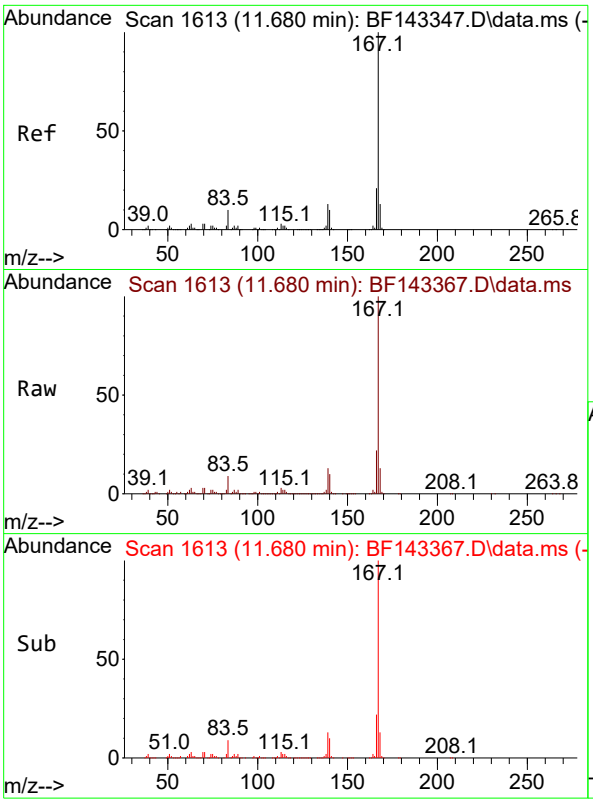


#72
Anthracene
Concen: 45.875 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:178 Resp: 994942

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.7	19.1

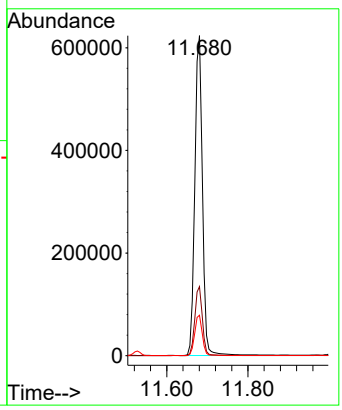




#73
Carbazole
Concen: 44.432 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:167 Resp: 82068

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.8	25.2
139	12.7	10.2	15.2



Instrument :
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ClientSampleId :
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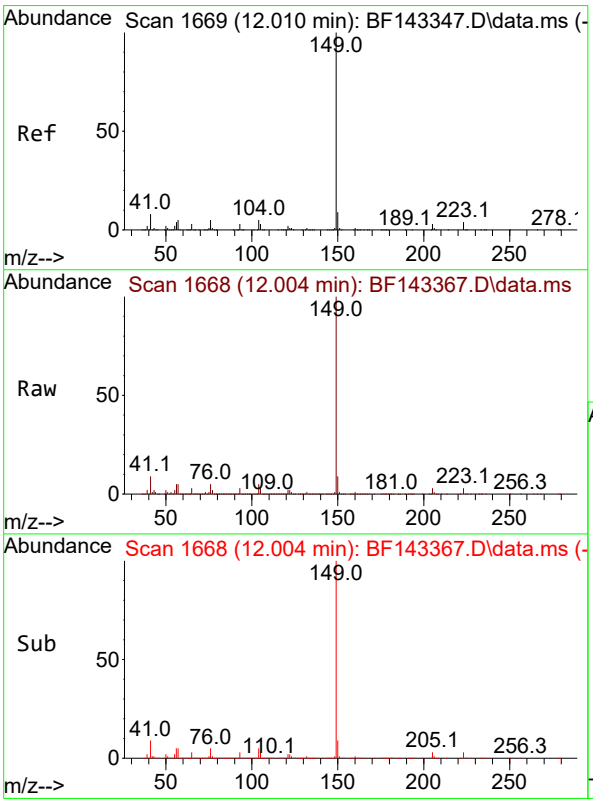
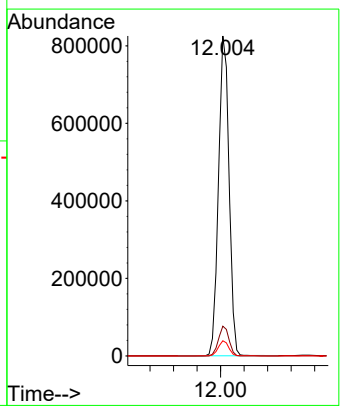
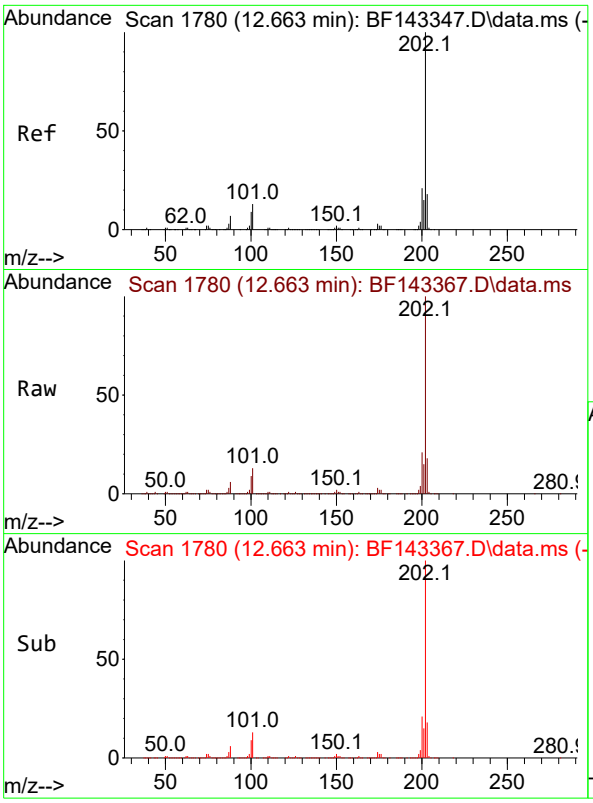


#74
Di-n-butylphthalate
Concen: 65.918 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 1030302

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.7	3.8	5.8





#75
Fluoranthene
Concen: 48.568 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:202 Resp: 90980

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.9	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
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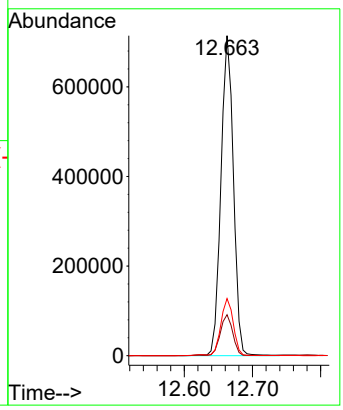
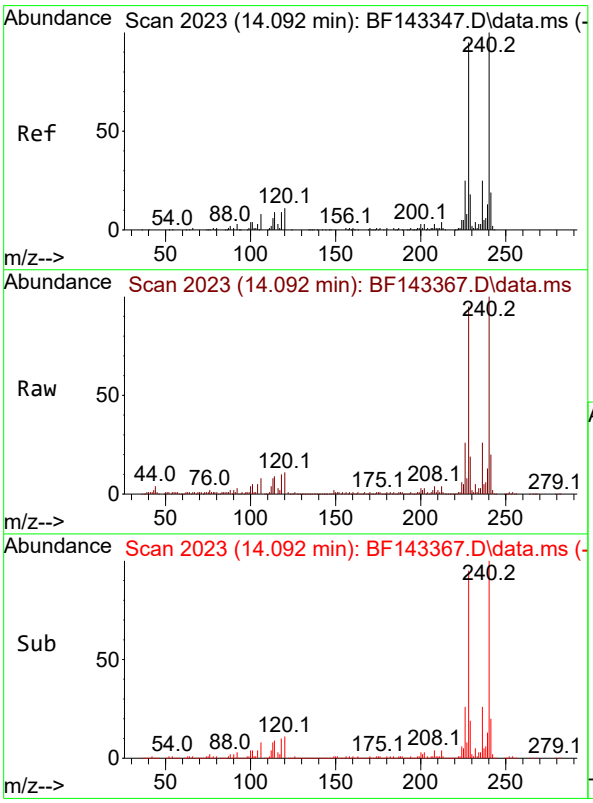
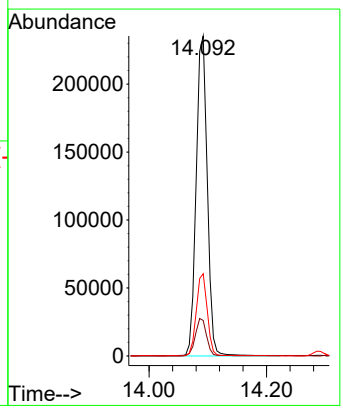


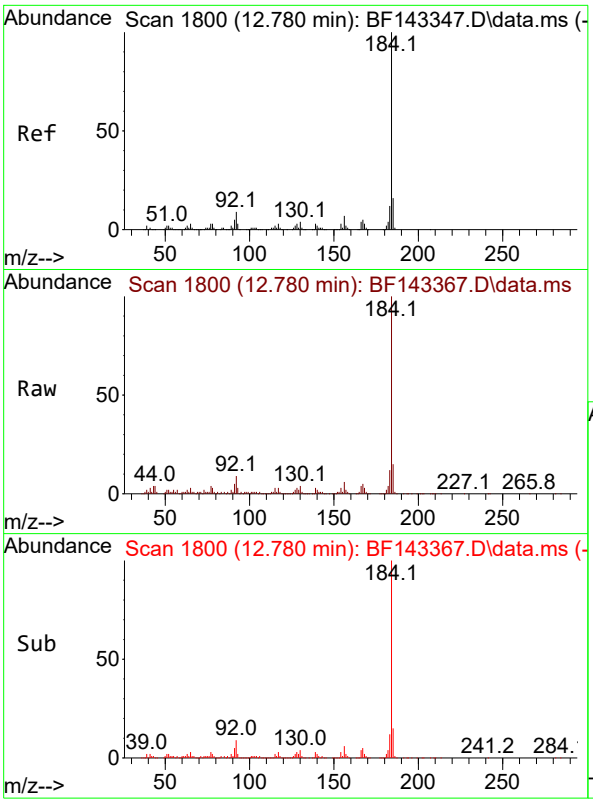


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:240 Resp: 309493

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	25.7	19.9	29.9

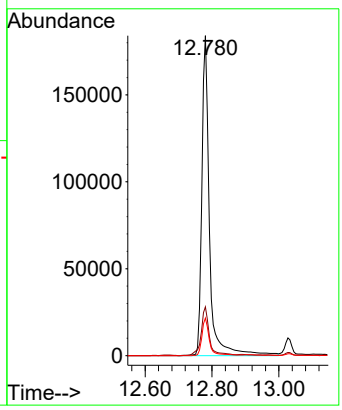




#77
Benzidine
Concen: 34.736 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:184 Resp: 29391

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.8	19.2
183	11.7	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
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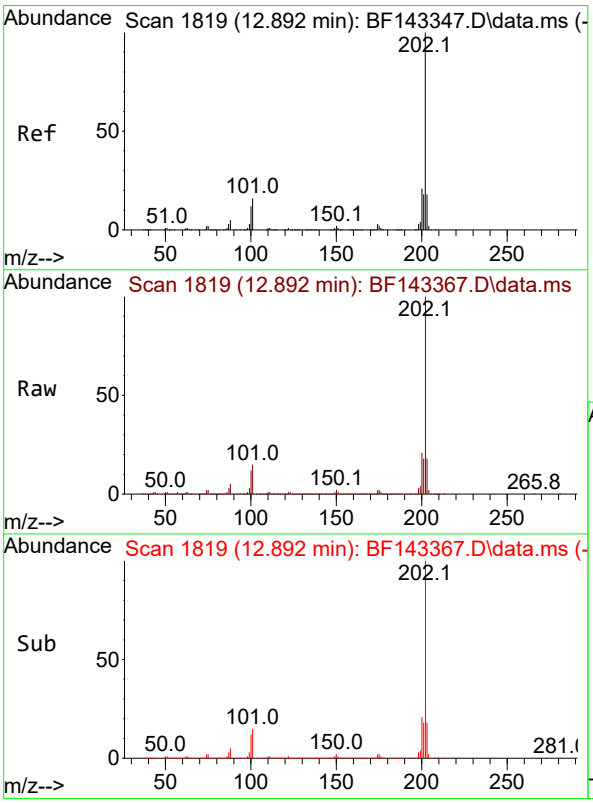
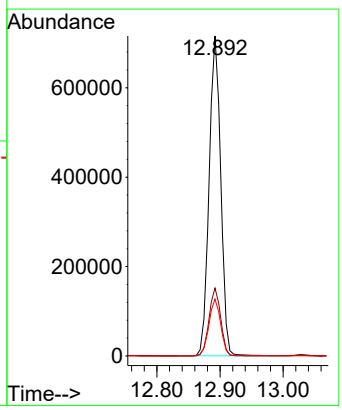
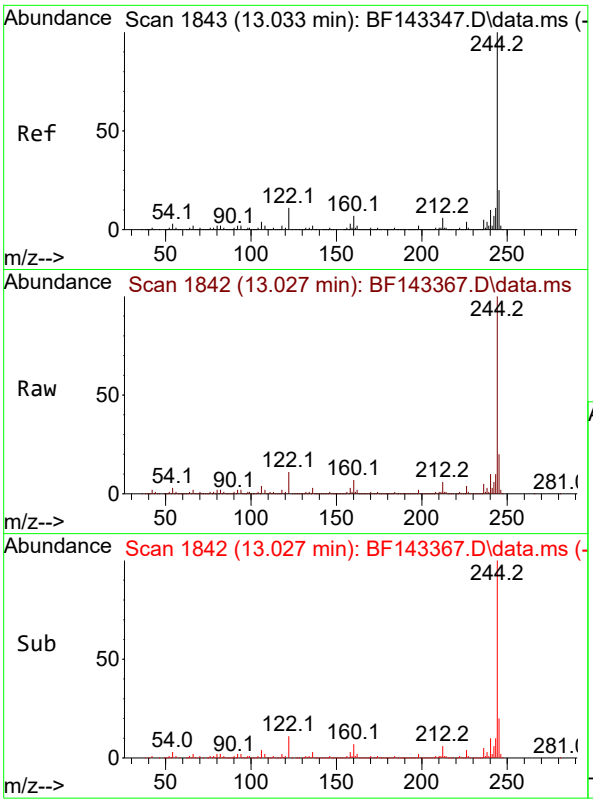


#78
Pyrene
Concen: 35.225 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:202 Resp: 914572

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.8	14.2	21.4

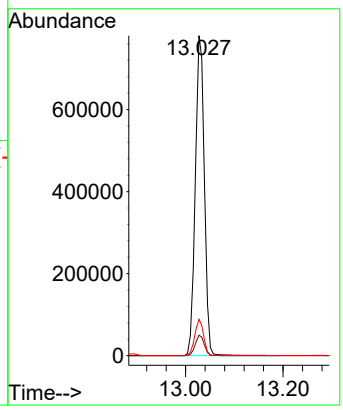




#79
Terphenyl-d14
Concen: 58.445 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:244 Resp: 101315

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	11.4	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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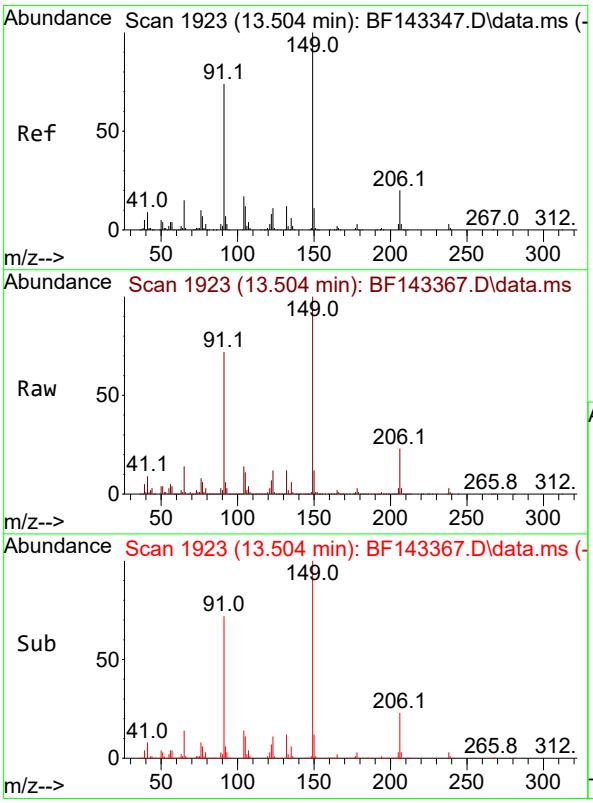
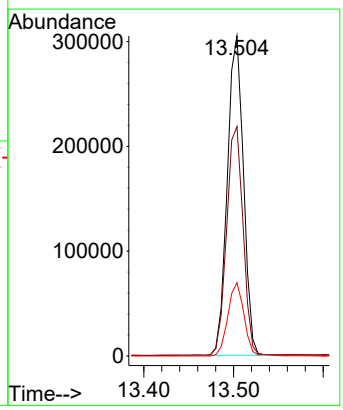
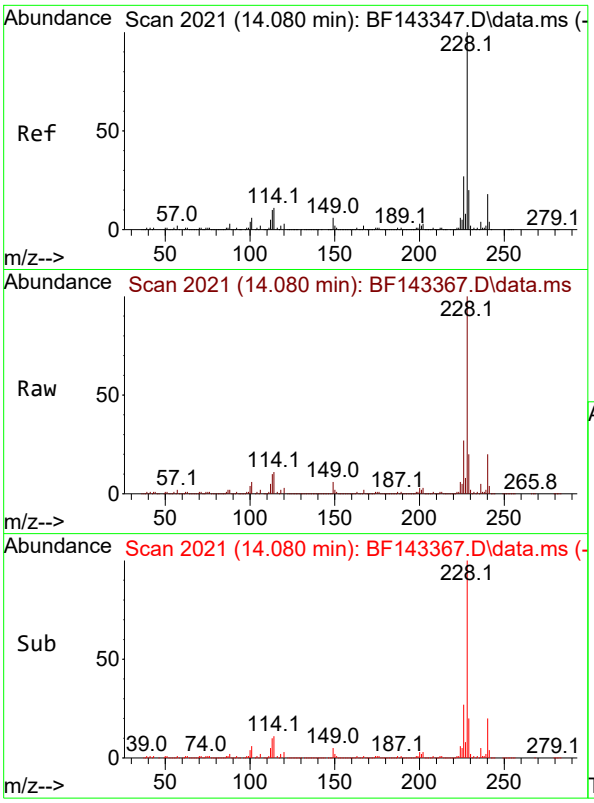


#80
Butylbenzylphthalate
Concen: 72.449 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 381128

Ion	Ratio	Lower	Upper
149	100		
91	71.7	58.8	88.2
206	22.9	16.4	24.6

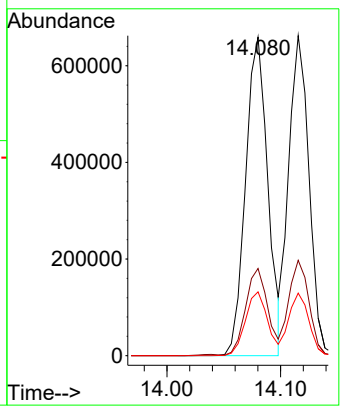




#81
Benzo(a)anthracene
Concen: 45.707 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:228 Resp: 89911

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	20.1	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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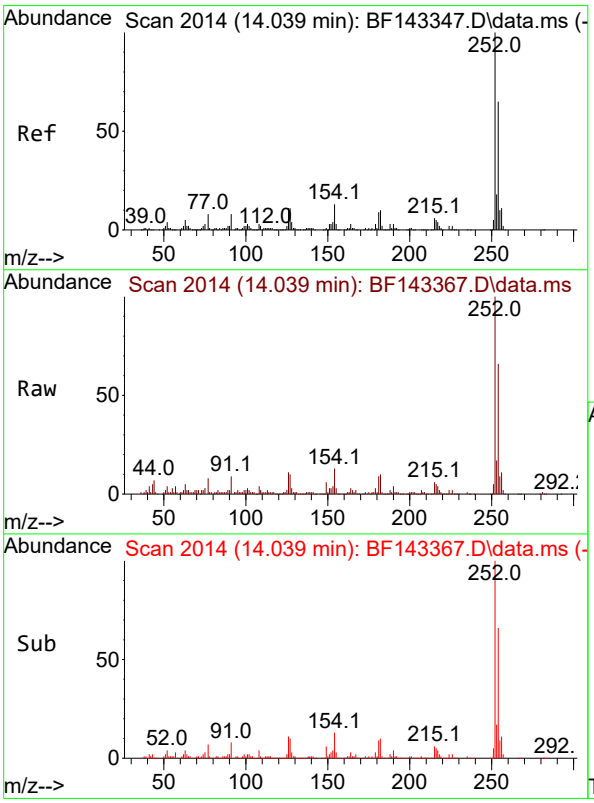
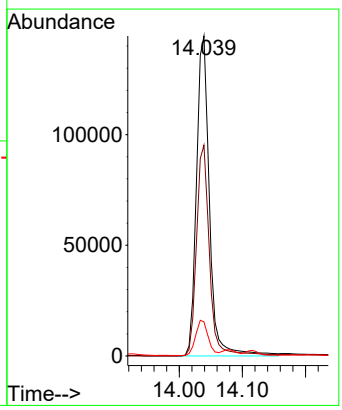
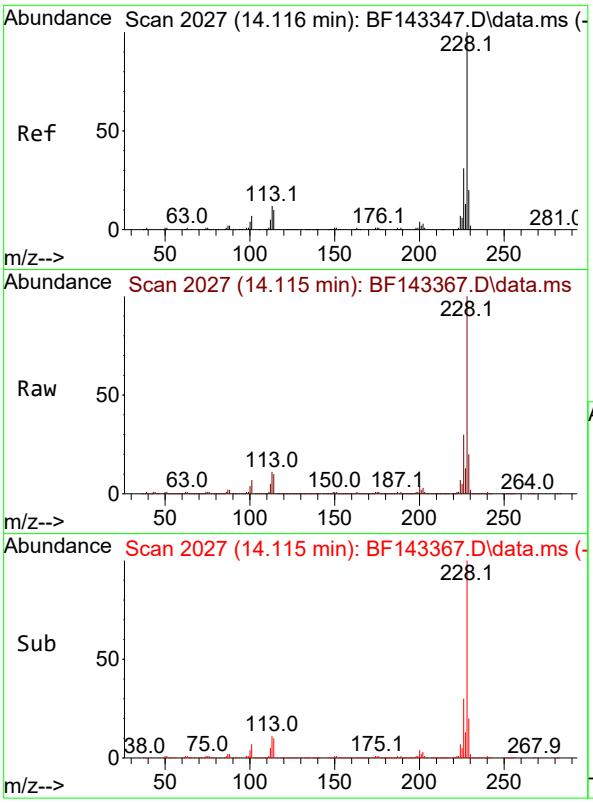


#82
3,3'-Dichlorobenzidine
Concen: 38.894 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 206592

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.7	77.5
126	10.7	9.2	13.8

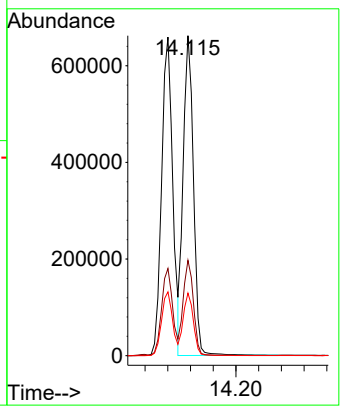




#83
Chrysene
Concen: 45.269 ng
RT: 14.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:228 Resp: 83034

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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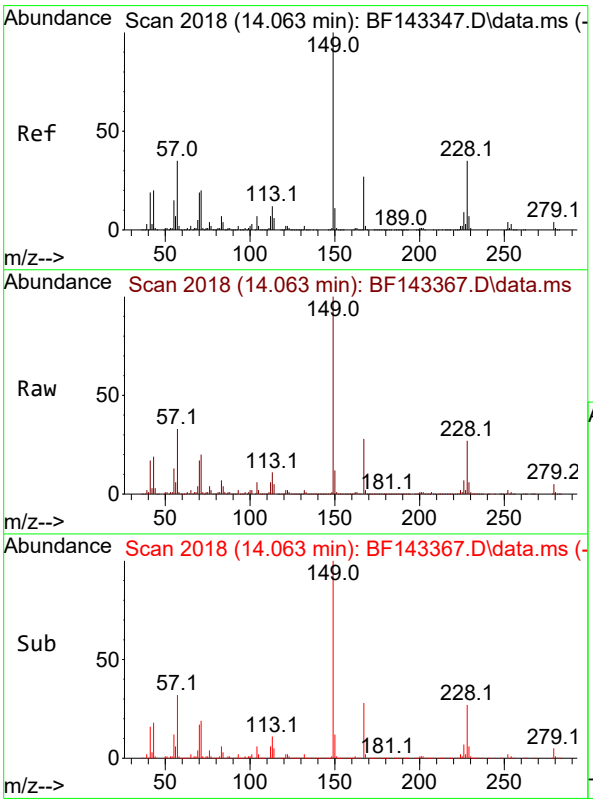
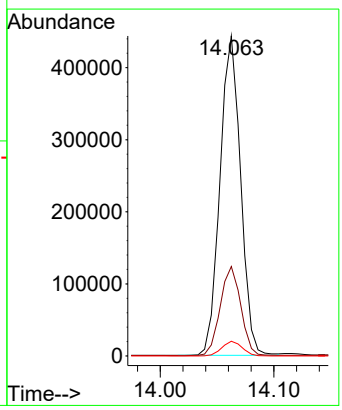
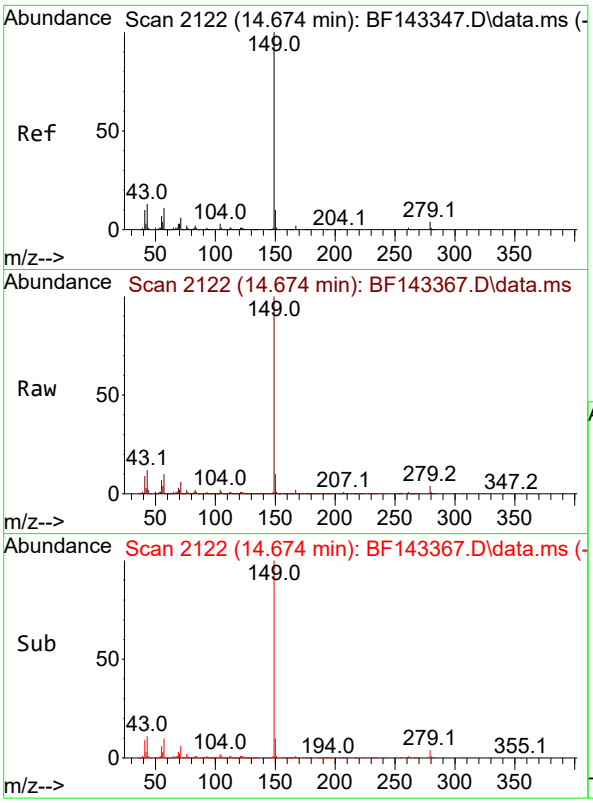


#84
Bis(2-ethylhexyl)phthalate
Concen: 71.994 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 559729

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.6	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 65.934 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 102937

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

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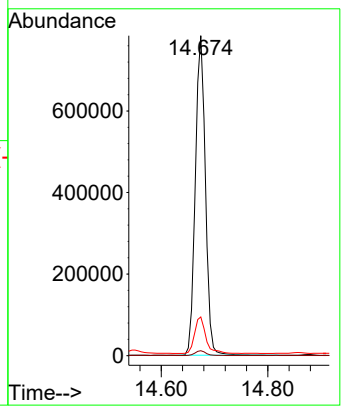
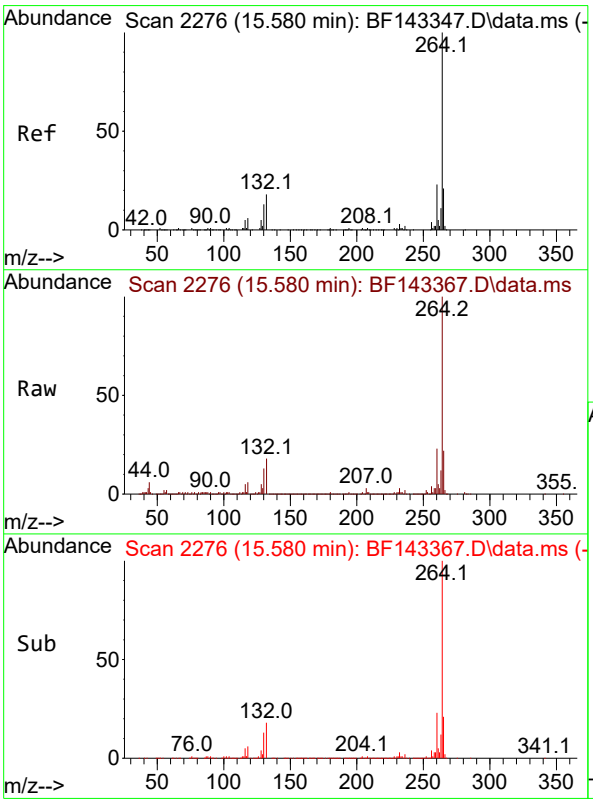
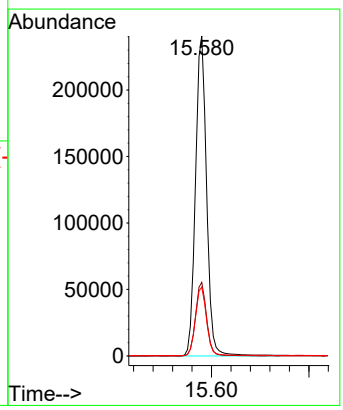


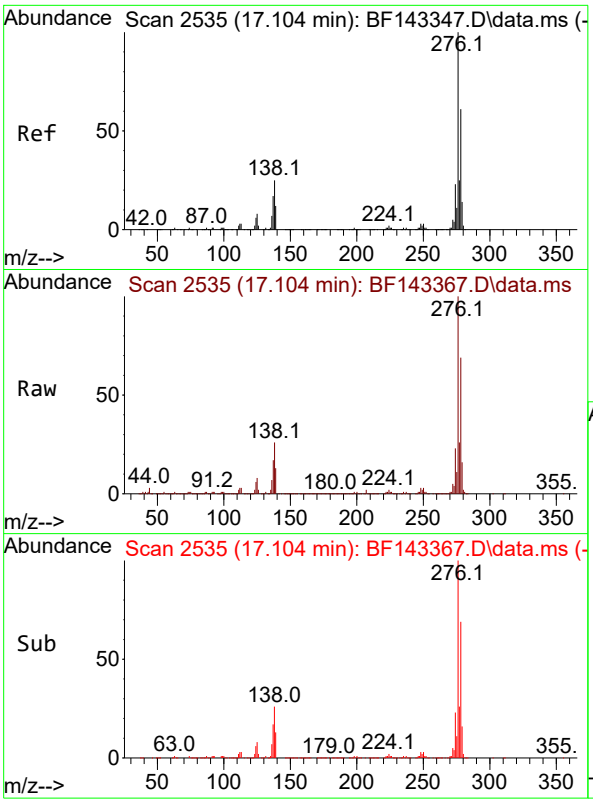


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:264 Resp: 383464

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.2	25.8

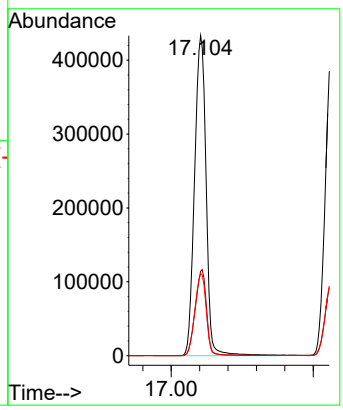




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.425 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:276 Resp: 122048

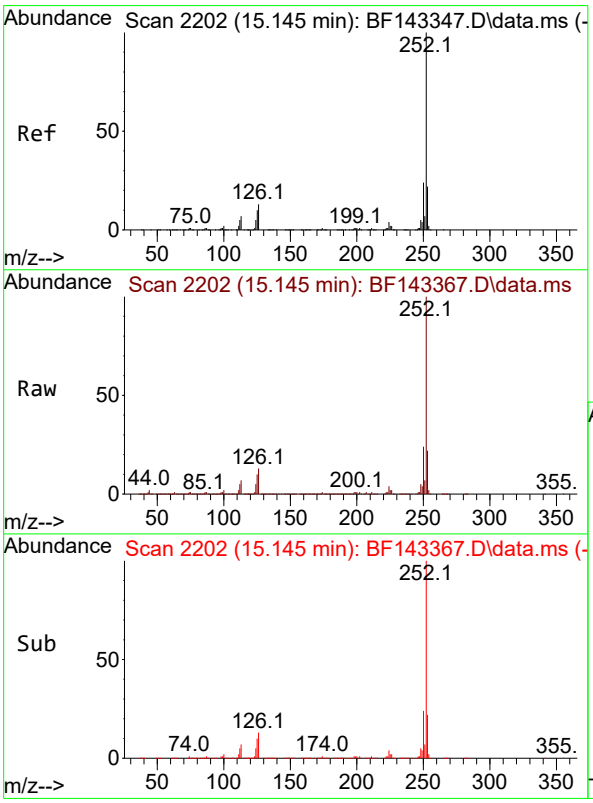
Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.1	31.7
277	25.3	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED

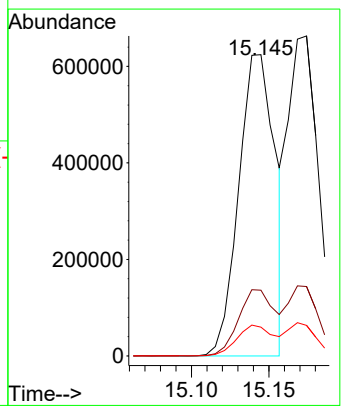
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

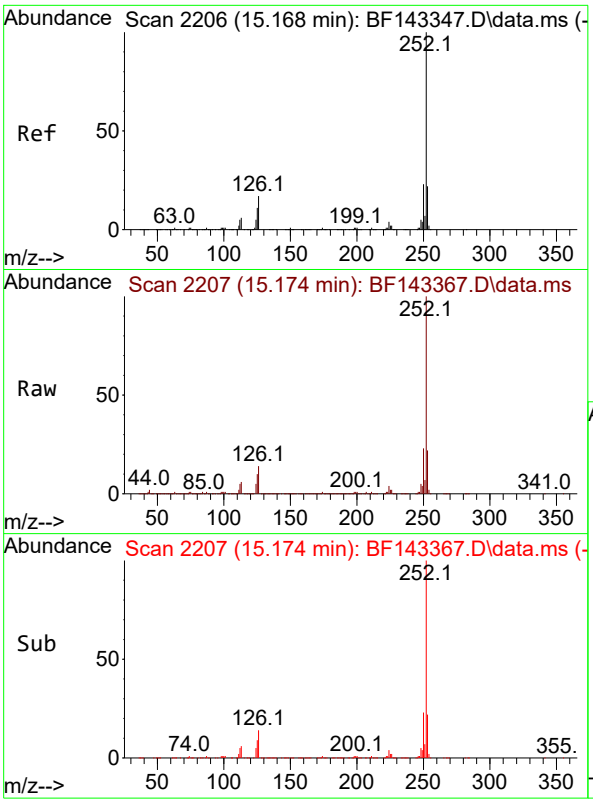


#88
Benzo(b)fluoranthene
Concen: 48.714 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 1021721

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.6	7.8	11.6

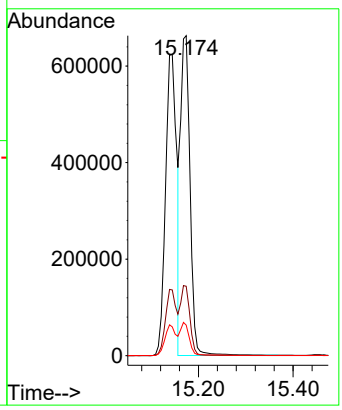




#89
Benzo(k)fluoranthene
Concen: 45.078 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 91869

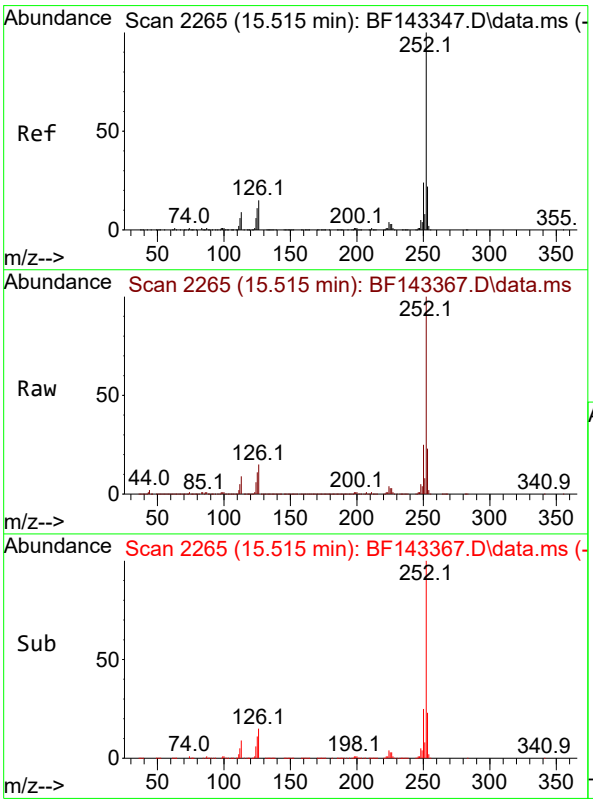
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations APPROVED

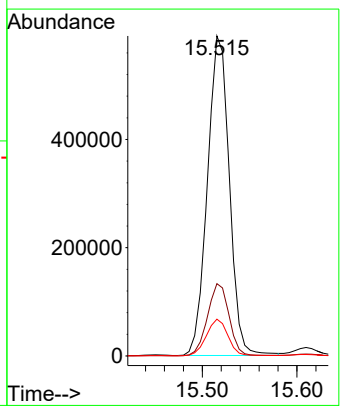
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

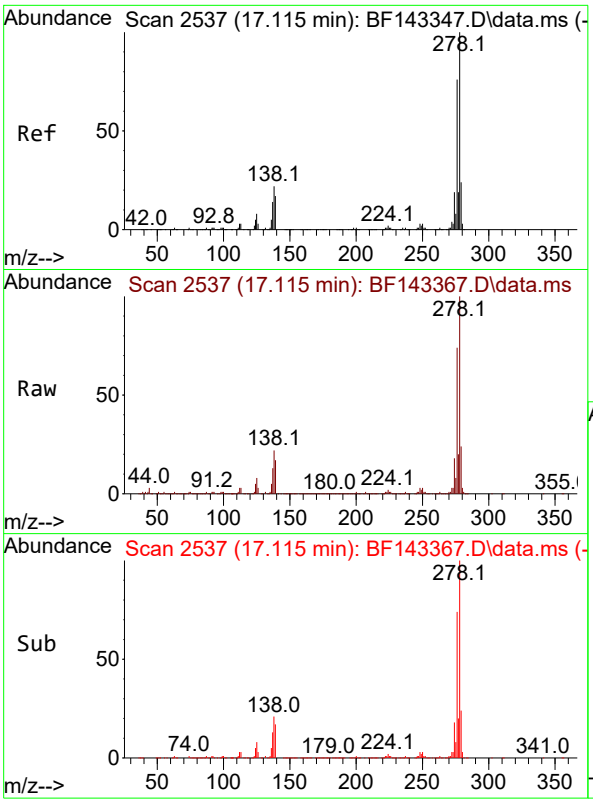


#90
Benzo(a)pyrene
Concen: 48.173 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 951612

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	11.5	9.1	13.7

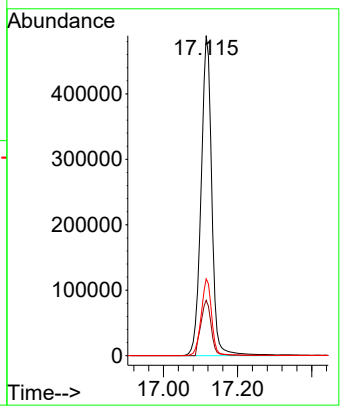




#91
Dibenzo(a,h)anthracene
Concen: 44.637 ng
RT: 17.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:278 Resp: 97968

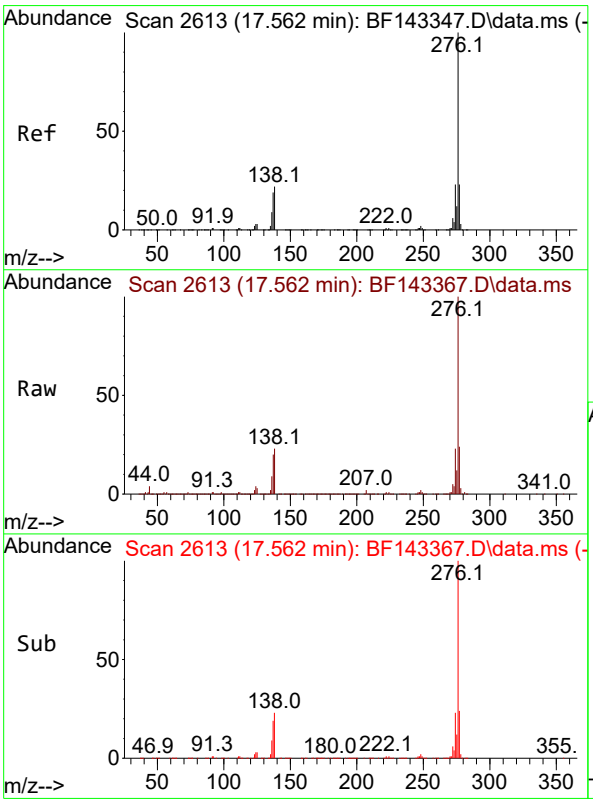
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	24.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Manual Integrations
APPROVED

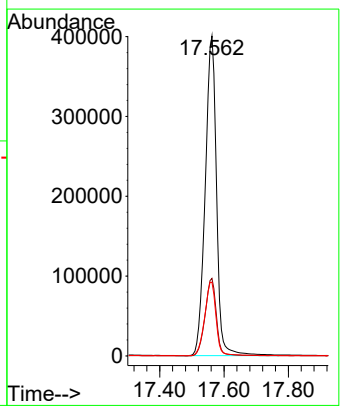
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 44.090 ng
RT: 17.562 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:276 Resp: 974809

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	23.1	17.8	26.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMSD	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025517.D	1	08/14/25 08:40	08/20/25 21:52	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		180	310	380	ug/Kg
108-95-2	Phenol	1900		25.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		28.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	1900		28.4	150	200	ug/Kg
95-48-7	2-Methylphenol	1800		34.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		43.6	150	200	ug/Kg
98-86-2	Acetophenone	1800		34.3	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		47.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		55.1	93.0	93.0	ug/Kg
67-72-1	Hexachloroethane	1900		20.5	150	200	ug/Kg
98-95-3	Nitrobenzene	1900		21.3	150	200	ug/Kg
78-59-1	Isophorone	1800		38.1	150	200	ug/Kg
88-75-5	2-Nitrophenol	1900		67.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		75.3	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		35.8	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		32.9	150	200	ug/Kg
91-20-3	Naphthalene	1800		26.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	880		41.1	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	1900		29.4	150	200	ug/Kg
105-60-2	Caprolactam	1800		60.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		33.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		29.8	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.0	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		33.8	150	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		25.3	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		26.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	2000		55.9	150	200	ug/Kg
131-11-3	Dimethylphthalate	1800		31.5	150	200	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMSD	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025517.D	1	08/14/25 08:40	08/20/25 21:52	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		33.6	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		39.1	150	200	ug/Kg
99-09-2	3-Nitroaniline	1200		53.5	150	200	ug/Kg
83-32-9	Acenaphthene	1800		24.8	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	4600	E	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	4000	E	120	310	380	ug/Kg
132-64-9	Dibenzofuran	1800		26.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		58.2	150	200	ug/Kg
84-66-2	Diethylphthalate	1900		32.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		31.0	150	200	ug/Kg
86-73-7	Fluorene	1800		29.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	1900		74.6	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.2	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		32.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.4	150	200	ug/Kg
1912-24-9	Atrazine	1900		39.5	150	200	ug/Kg
87-86-5	Pentachlorophenol	4000	E	59.6	310	380	ug/Kg
85-01-8	Phenanthrene	1800		24.3	150	200	ug/Kg
120-12-7	Anthracene	1800		38.7	150	200	ug/Kg
86-74-8	Carbazole	1800		36.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		55.7	150	200	ug/Kg
206-44-0	Fluoranthene	1800		34.9	150	200	ug/Kg
129-00-0	Pyrene	1900		41.8	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	2000		83.0	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		42.7	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1900		26.7	150	200	ug/Kg
218-01-9	Chrysene	1900		23.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		68.8	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.1	150	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-WMSD	SDG No.:	Q2820
Lab Sample ID:	Q2819-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025517.D	1	08/14/25 08:40	08/20/25 21:52	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		26.0	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		34.3	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		33.8	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		31.8	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		29.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		29.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	1600		52.5	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		31.8	150	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	103		35 - 115		69%	SPK: 150
13127-88-3	Phenol-d6	101		34 - 127		68%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.6		37 - 122		66%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.6		44 - 115		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		39 - 132		69%	SPK: 150
1718-51-0	Terphenyl-d14	60.7		54 - 127		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	185000	7.79				
1146-65-2	Naphthalene-d8	722000	10.56				
15067-26-2	Acenaphthene-d10	447000	14.396				
1517-22-2	Phenanthrene-d10	890000	17.207				
1719-03-5	Chrysene-d12	904000	21.654				
1520-96-3	Perylene-d12	1030000	25.019				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	184860	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	722280	20.000	ng		0.00
39) Acenaphthene-d10	14.396	164	447048	20.000	ng		-0.01
64) Phenanthrene-d10	17.207	188	890323	20.000	ng		0.00
76) Chrysene-d12	21.654	240	903947	20.000	ng		0.00
86) Perylene-d12	25.019	264	1025346	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1144678	102.833	ng		0.00
7) Phenol-d6	6.967	99	1445596	101.293	ng		0.00
23) Nitrobenzene-d5	8.931	82	936777	65.608	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	623372	103.597	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1983638	60.642	ng		0.00
79) Terphenyl-d14	19.925	244	2999909	60.718	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	182983	41.967	ng		98
3) Pyridine	3.726	79	493698	41.368	ng		95
4) n-Nitrosodimethylamine	3.631	42	247455	50.295	ng		93
6) Aniline	7.119	93	649735	33.790	ng		97
8) 2-Chlorophenol	7.361	128	608568	48.448	ng		100
9) Benzaldehyde	6.937	77	285008	28.504	ng		97
10) Phenol	6.996	94	715775	47.797	ng		96
11) bis(2-Chloroethyl)ether	7.214	93	538406	46.128	ng		97
12) 1,3-Dichlorobenzene	7.678	146	650335	46.952	ng		99
13) 1,4-Dichlorobenzene	7.825	146	649360	45.868	ng		100
14) 1,2-Dichlorobenzene	8.137	146	625644	45.653	ng		99
15) Benzyl Alcohol	8.025	79	528480	46.605	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.308	45	736456	47.100	ng		98
17) 2-Methylphenol	8.225	107	484474	46.581	ng		99
18) Hexachloroethane	8.861	117	249463	47.925	ng		97
19) n-Nitroso-di-n-propyla...	8.584	70	405488	42.894	ng		95
20) 3+4-Methylphenols	8.549	107	658121	45.649	ng		96
22) Acetophenone	8.596	105	852338	47.056	ng	#	97
24) Nitrobenzene	8.966	77	613843	48.104	ng		99
25) Isophorone	9.496	82	1155702	45.736	ng		98
26) 2-Nitrophenol	9.672	139	323093	49.335	ng		96
27) 2,4-Dimethylphenol	9.737	122	533447	47.366	ng		96
28) bis(2-Chloroethoxy)met...	9.966	93	707355	46.309	ng		99
29) 2,4-Dichlorophenol	10.213	162	555155	49.622	ng		98
30) 1,2,4-Trichlorobenzene	10.419	180	572771	46.702	ng		97
31) Naphthalene	10.613	128	1739431	46.334	ng		99
32) Benzoic acid	9.890	122	431194	51.860	ng		96
33) 4-Chloroaniline	10.708	127	377734	22.779	ng		99
34) Hexachlorobutadiene	10.902	225	370916	48.563	ng		98
35) Caprolactam	11.502	113	187670	45.747	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	615878	47.974	ng		97
37) 2-Methylnaphthalene	12.213	142	1096821	44.896	ng		98
38) 1-Methylnaphthalene	12.437	142	1157054	44.535	ng		100
40) 1,2,4,5-Tetrachloroben...	12.584	216	625693	48.461	ng		98
41) Hexachlorocyclopentadiene	12.566	237	802842	102.943	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	442620	50.780	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	490354	51.330	ng	99
46) 1,1'-Biphenyl	13.231	154	1568313	48.304	ng	99
47) 2-Chloronaphthalene	13.272	162	1201838	47.550	ng	99
48) 2-Nitroaniline	13.466	65	380529	51.670	ng	98
49) Acenaphthylene	14.119	152	2000907	47.841	ng	100
50) Dimethylphthalate	13.860	163	1548844	47.312	ng	100
51) 2,6-Dinitrotoluene	13.966	165	342534	49.643	ng	95
52) Acenaphthene	14.466	154	1145454	46.659	ng	98
53) 3-Nitroaniline	14.296	138	234663	30.228	ng	92
54) 2,4-Dinitrophenol	14.513	184	436661	118.504	ng	98
55) Dibenzofuran	14.807	168	1839493	47.393	ng	98
56) 4-Nitrophenol	14.625	139	653354	102.419	ng	93
57) 2,4-Dinitrotoluene	14.766	165	502093	51.002	ng	97
58) Fluorene	15.466	166	1413344	46.148	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	422581	50.097	ng	98
60) Diethylphthalate	15.243	149	1602496	48.175	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	704890	46.278	ng	97
62) 4-Nitroaniline	15.484	138	380825	47.851	ng	96
63) Azobenzene	15.760	77	1553558	54.544	ng	98
65) 4,6-Dinitro-2-methylph...	15.548	198	287397	51.785	ng	92
66) n-Nitrosodiphenylamine	15.678	169	1274387	46.939	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	460977	47.077	ng	95
68) Hexachlorobenzene	16.495	284	537114	47.319	ng	100
69) Atrazine	16.660	200	502043	49.377	ng	98
70) Pentachlorophenol	16.854	266	733038	102.305	ng	98
71) Phenanthrene	17.254	178	2332780	47.697	ng	100
72) Anthracene	17.348	178	2303551	46.121	ng	100
73) Carbazole	17.625	167	2239338	47.601	ng	99
74) Di-n-butylphthalate	18.219	149	2892663	49.977	ng	100
75) Fluoranthene	19.336	202	2780027	47.653	ng	99
77) Benzidine	19.531	184	1311867	42.524	ng	99
78) Pyrene	19.713	202	2862551	48.721	ng	99
80) Butylbenzylphthalate	20.654	149	1352098	50.777	ng	99
81) Benzo(a)anthracene	21.636	228	2870654	48.153	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	747438	33.263	ng	99
83) Chrysene	21.701	228	2684186	48.078	ng	99
84) Bis(2-ethylhexyl)phtha...	21.572	149	1972886	50.332	ng	99
85) Di-n-octyl phthalate	22.860	149	3483541	51.668	ng	99
87) Indeno(1,2,3-cd)pyrene	28.883	276	3754265m	49.927	ng	
88) Benzo(b)fluoranthene	23.942	252	3016187	49.886	ng	99
89) Benzo(k)fluoranthene	24.024	252	2975796	49.184	ng	99
90) Benzo(a)pyrene	24.866	252	2906291	49.381	ng	100
91) Dibenzo(a,h)anthracene	28.959	278	3060770	49.809	ng	98
92) Benzo(g,h,i)perylene	30.059	276	3035965	50.261	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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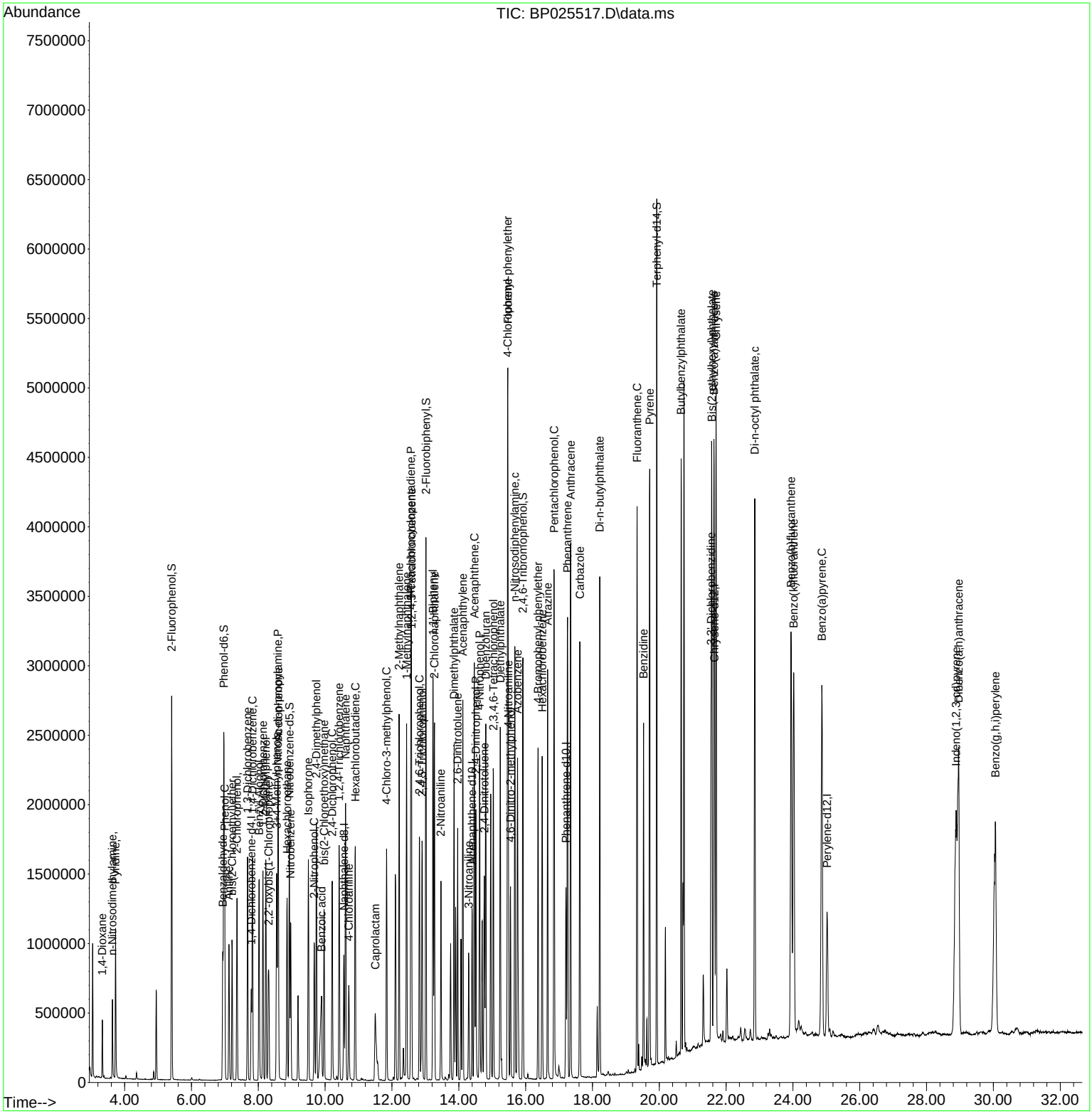
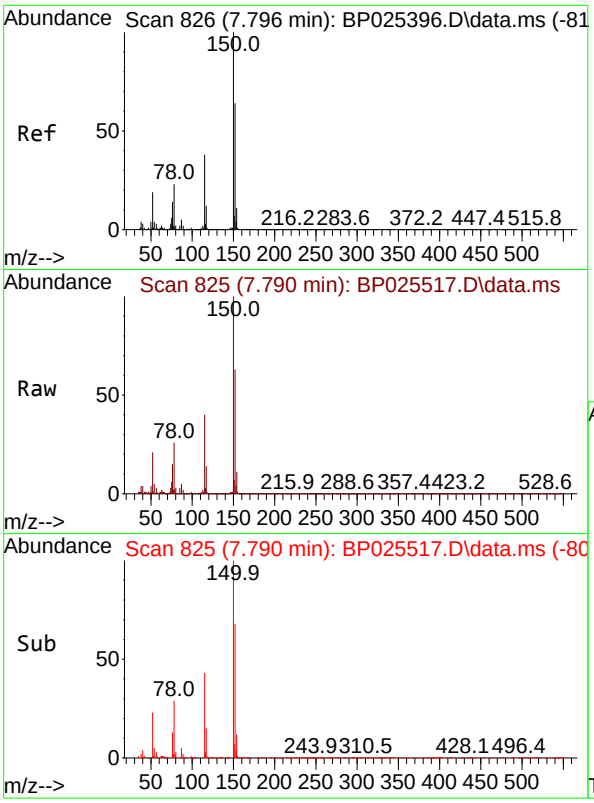
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

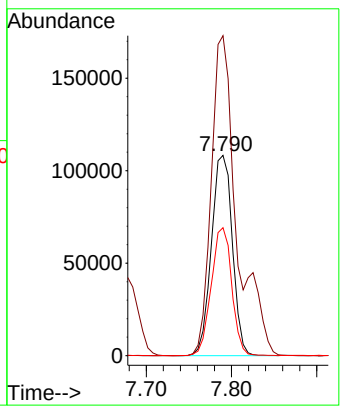




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:152 Resp: 18486

Ion	Ratio	Lower	Upper
152	100		
150	159.8	125.9	188.9
115	63.9	48.5	72.7



Instrument :
BNA_P
ClientSampleId :
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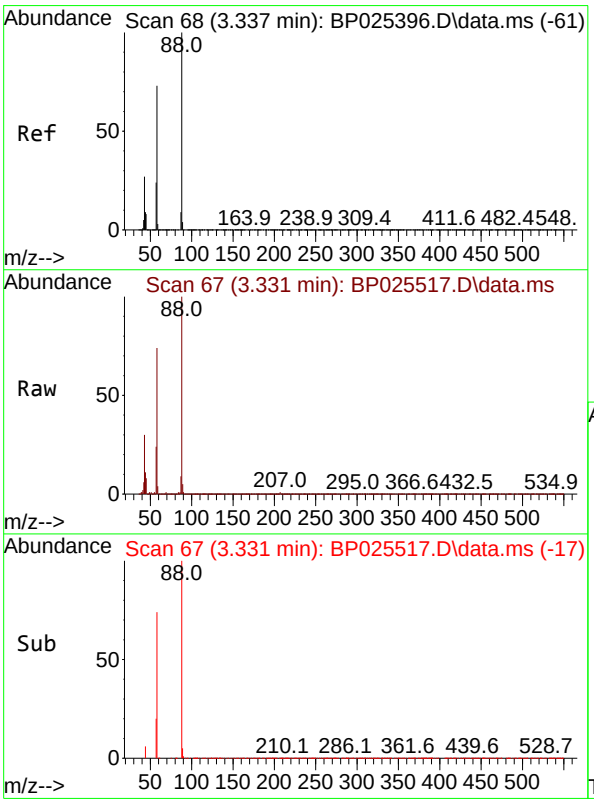
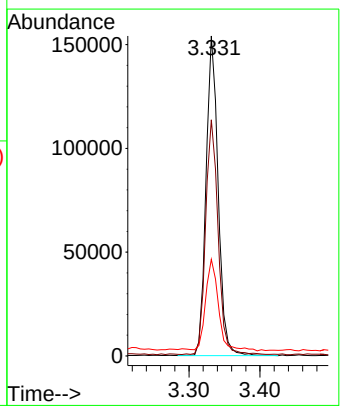
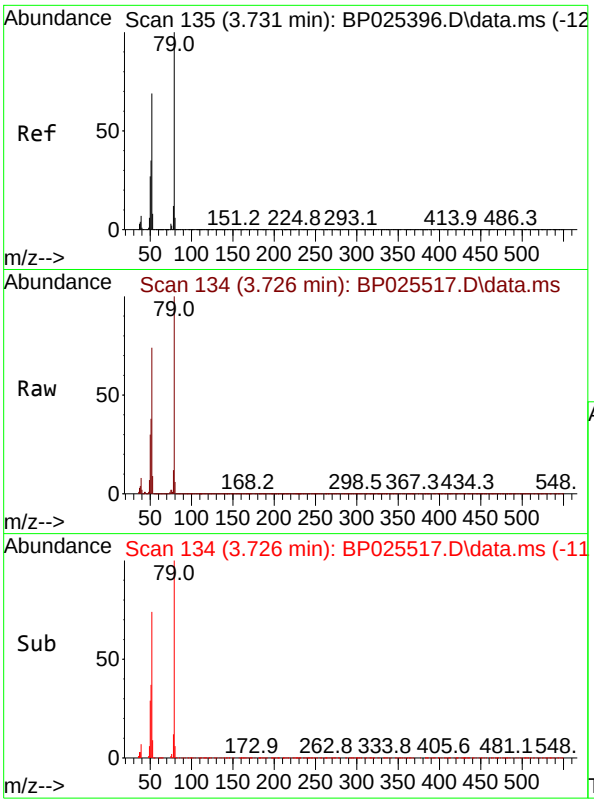


#2
1,4-Dioxane
Concen: 41.967 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 88 Resp: 182983

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	29.6	21.7	32.5

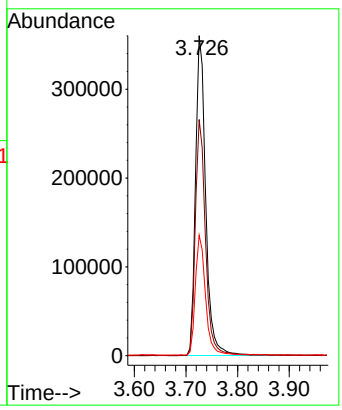




#3
Pyridine
Concen: 41.368 ng
RT: 3.726 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 79 Resp: 49369

Ion	Ratio	Lower	Upper
79	100		
52	73.8	55.5	83.3
51	37.6	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
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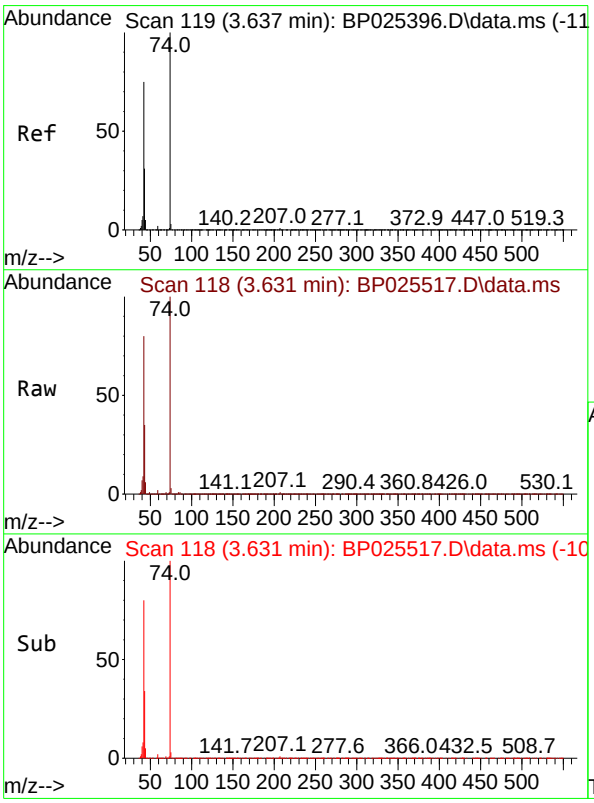
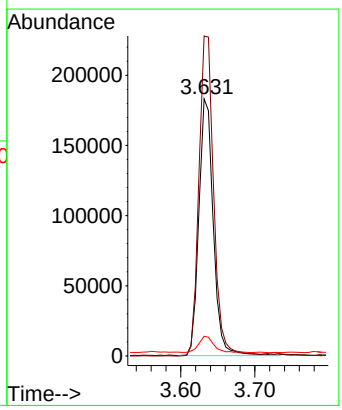
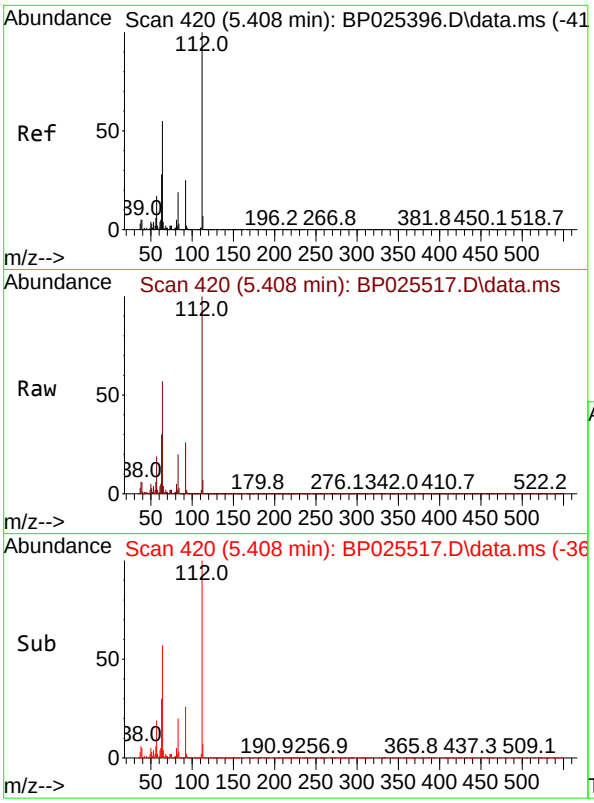


#4
n-Nitrosodimethylamine
Concen: 50.295 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 42 Resp: 247455

Ion	Ratio	Lower	Upper
42	100		
74	124.4	107.0	160.4
44	7.6	6.2	9.4

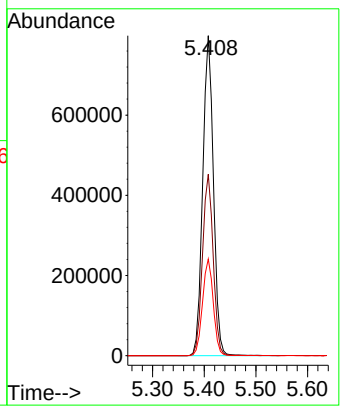




#5
2-Fluorophenol
Concen: 102.833 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:112 Resp: 114467

Ion	Ratio	Lower	Upper
112	100		
64	56.7	43.8	65.8
63	30.2	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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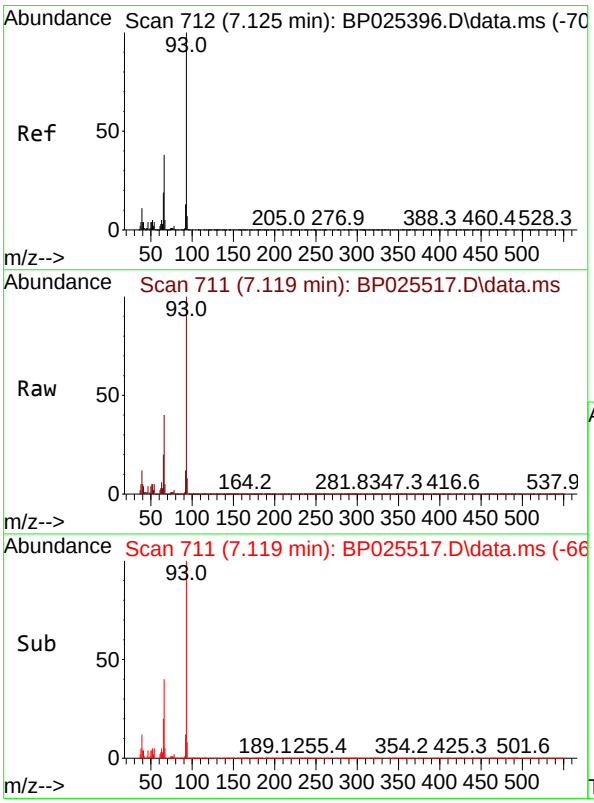
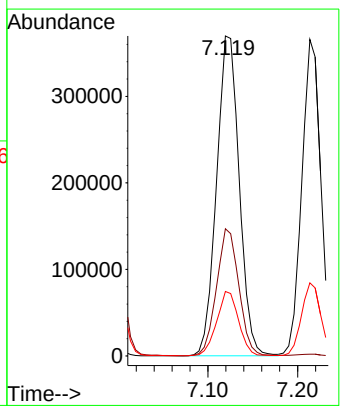
Supervised By :Jagrut Upadhyay 08/21/2025

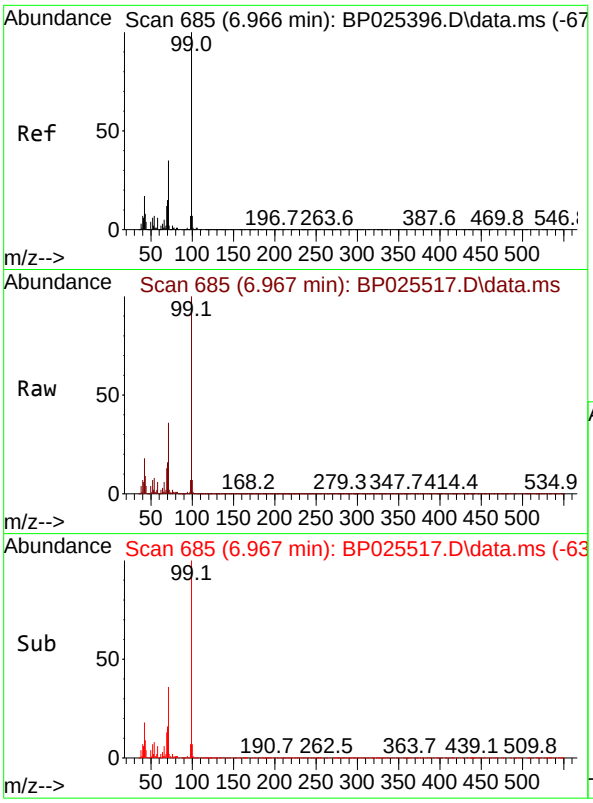


#6
Aniline
Concen: 33.790 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 93 Resp: 649735

Ion	Ratio	Lower	Upper
93	100		
66	39.8	30.4	45.6
65	20.1	15.3	22.9

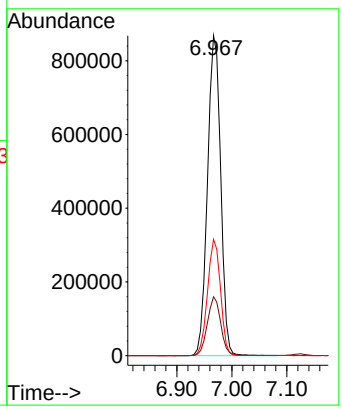




#7
Phenol-d6
Concen: 101.293 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 99 Resp: 144559

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.7	20.5
71	36.4	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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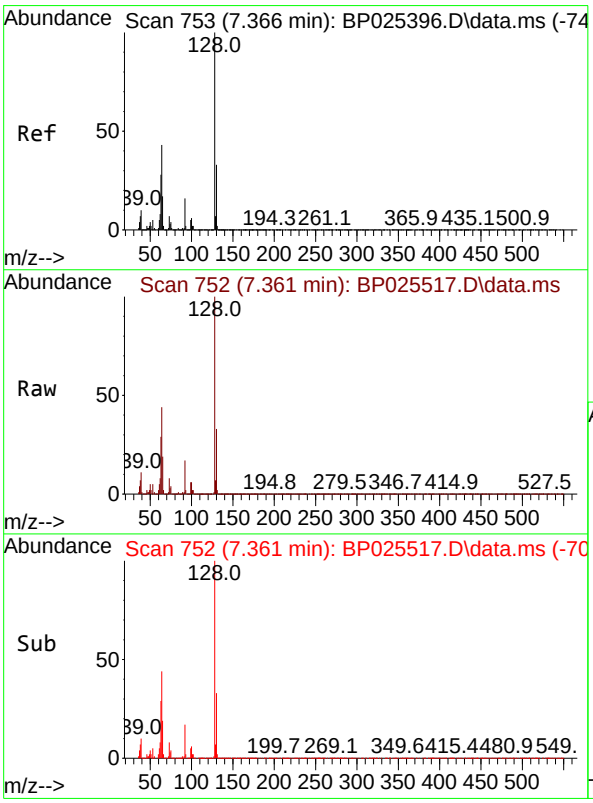
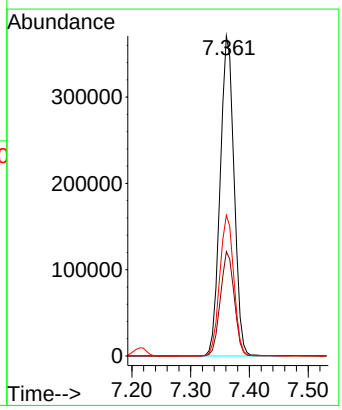
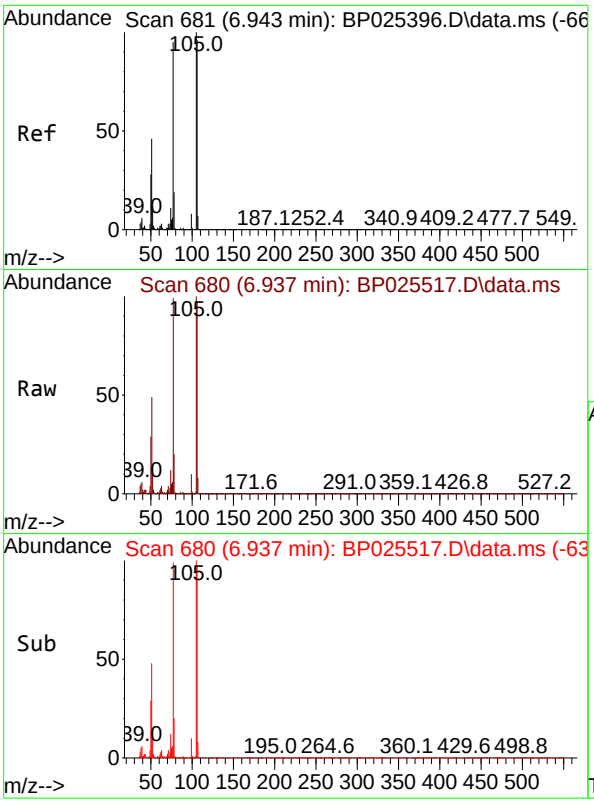


#8
2-Chlorophenol
Concen: 48.448 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:128 Resp: 608568

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	44.0	23.4	63.4

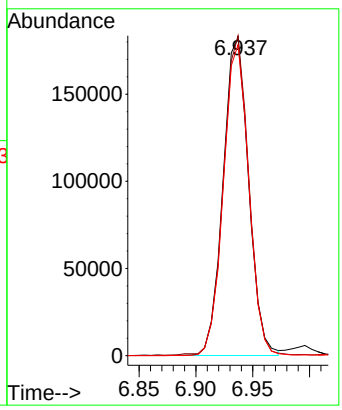




#9
Benzaldehyde
Concen: 28.504 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 77 Resp: 28500

Ion	Ratio	Lower	Upper
77	100		
105	100.8	84.8	124.8
106	97.9	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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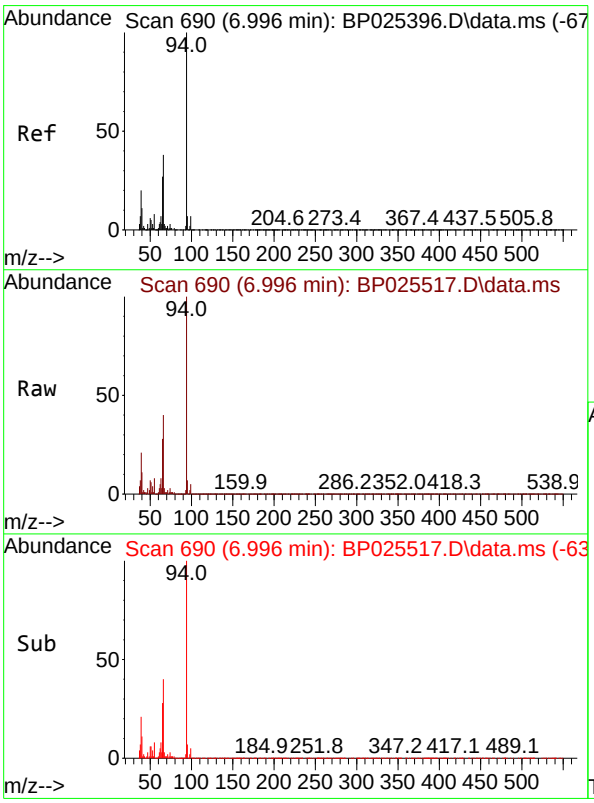
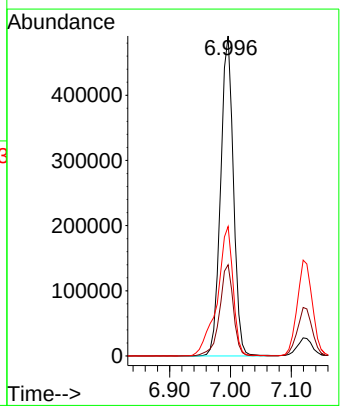
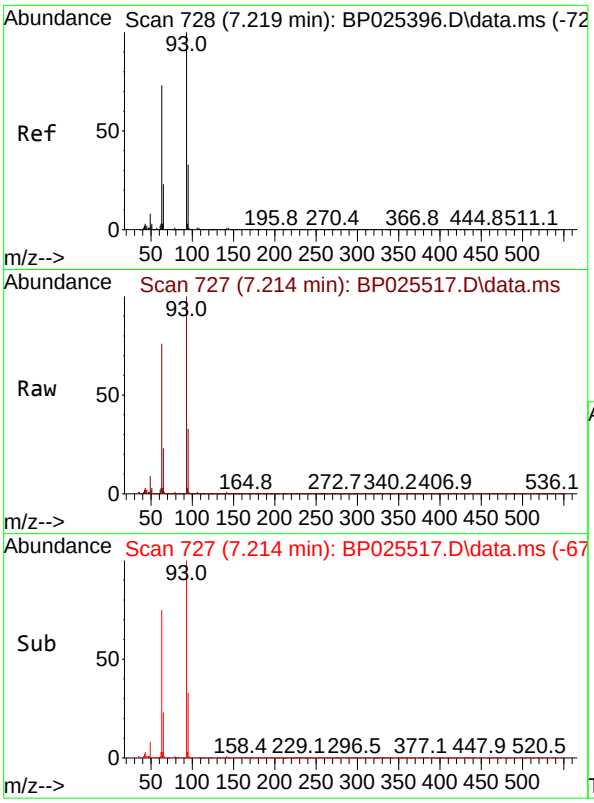


#10
Phenol
Concen: 47.797 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 94 Resp: 715775

Ion	Ratio	Lower	Upper
94	100		
65	28.5	6.8	46.8
66	40.5	18.2	58.2

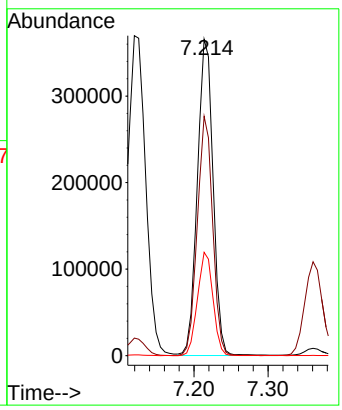




#11
bis(2-Chloroethyl)ether
Concen: 46.128 ng
RT: 7.214 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 93 Resp: 53840

Ion	Ratio	Lower	Upper
93	100		
63	75.6	52.6	92.6
95	32.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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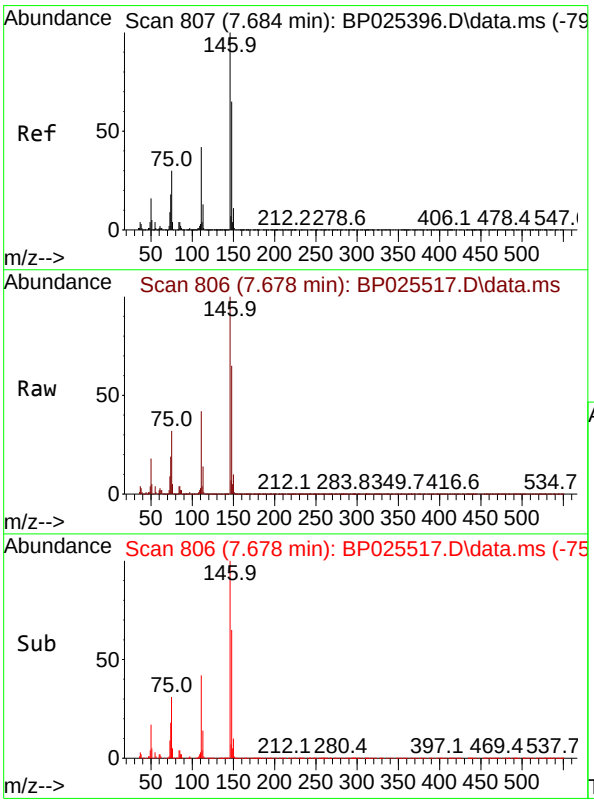
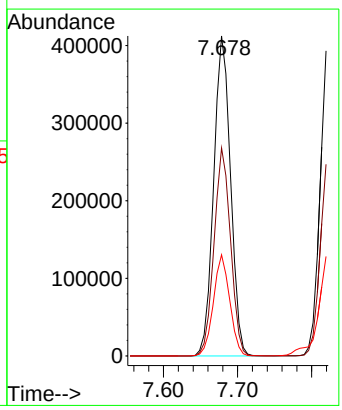
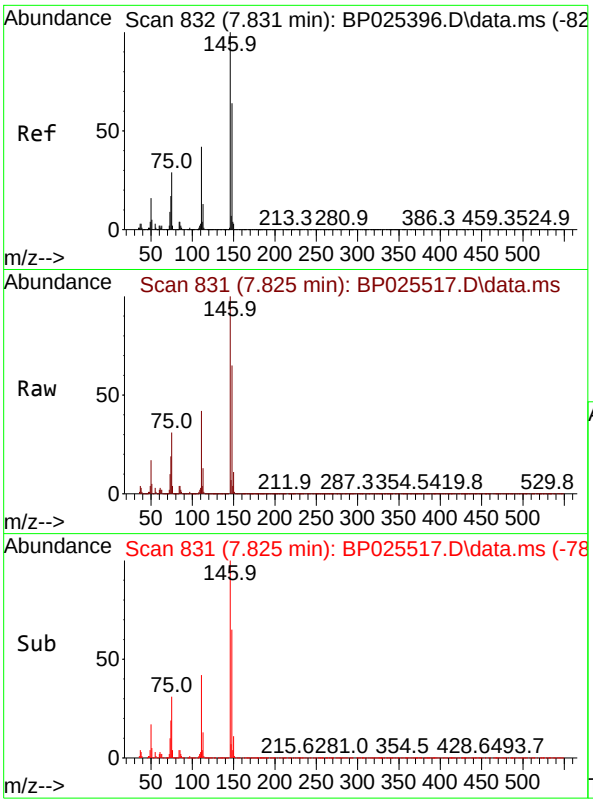


#12
1,3-Dichlorobenzene
Concen: 46.952 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:146 Resp: 650335

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	31.6	23.7	35.5

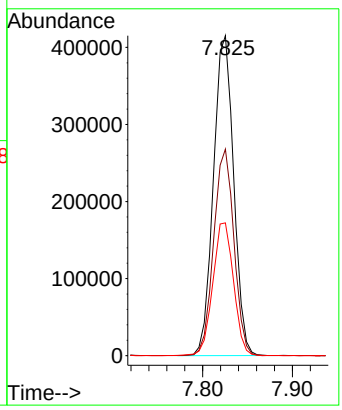




#13
1,4-Dichlorobenzene
Concen: 45.868 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:146 Resp: 64936

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
111	41.5	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Manual Integrations
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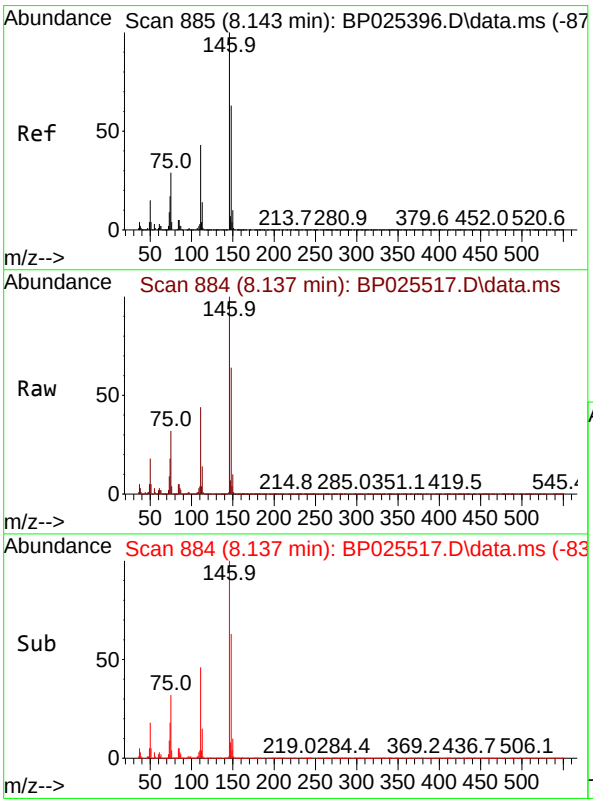
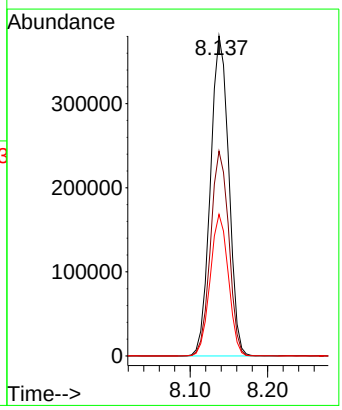
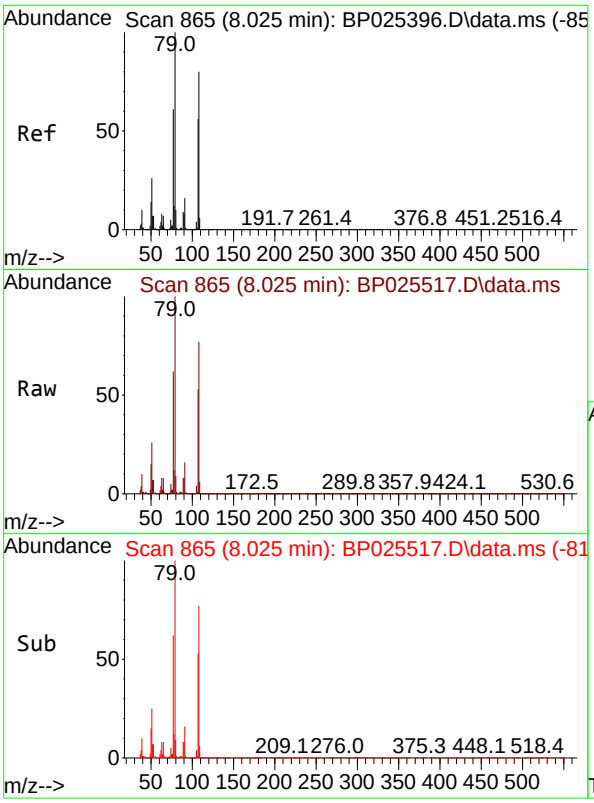


#14
1,2-Dichlorobenzene
Concen: 45.653 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:146 Resp: 625644

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	44.2	34.5	51.7





#15
Benzyl Alcohol
Concen: 46.605 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 79 Resp: 52848

Ion	Ratio	Lower	Upper
79	100		
108	76.5	63.8	95.6
77	62.2	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
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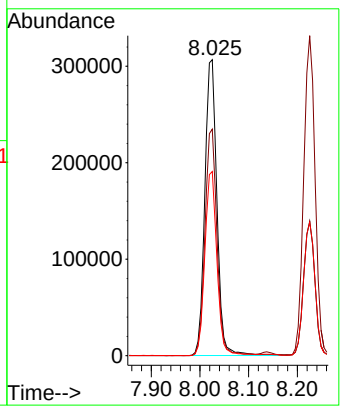
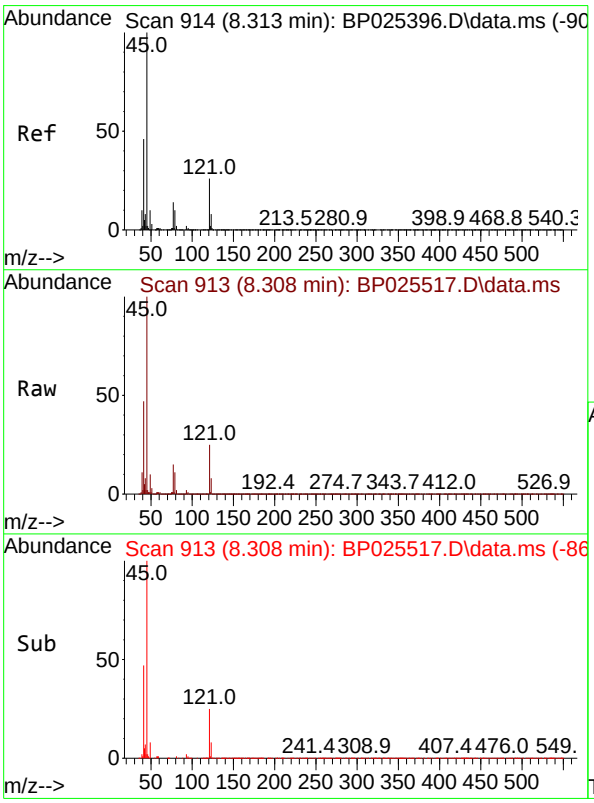
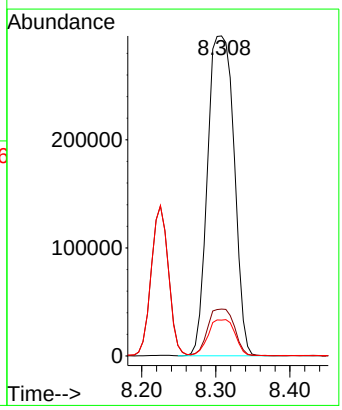


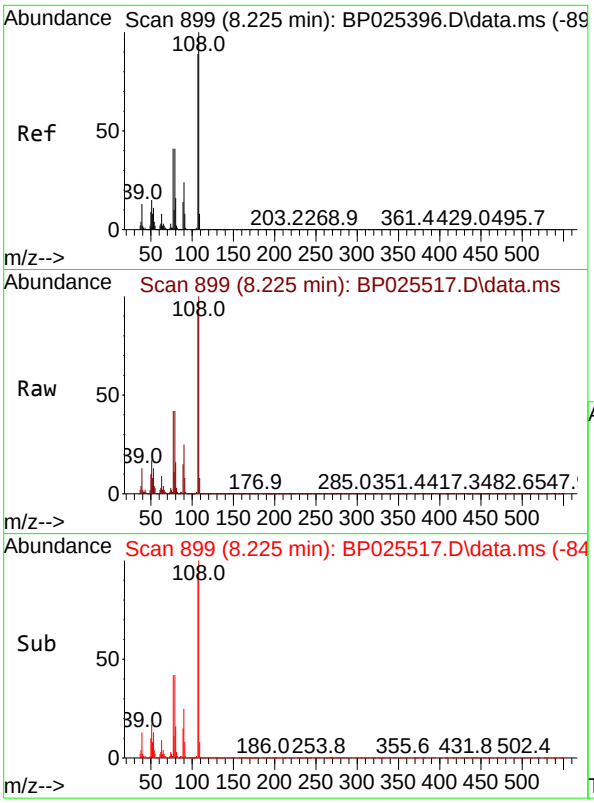


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.100 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 45 Resp: 736456

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	11.2	0.0	31.8

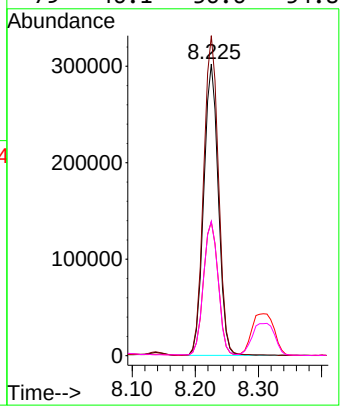




#17
2-Methylphenol
Concen: 46.581 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:107 Resp: 48447

Ion	Ratio	Lower	Upper
107	100		
108	109.7	89.4	134.0
77	45.9	36.3	54.5
79	46.1	36.6	54.8



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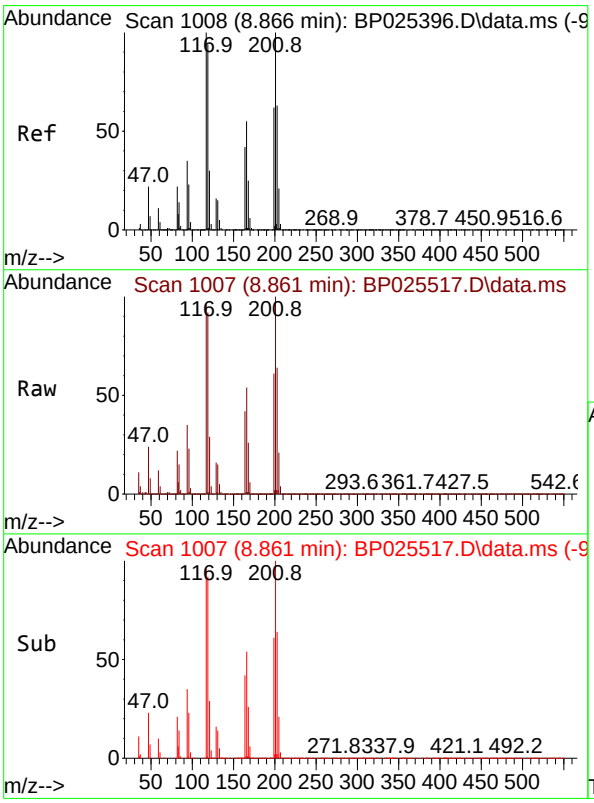
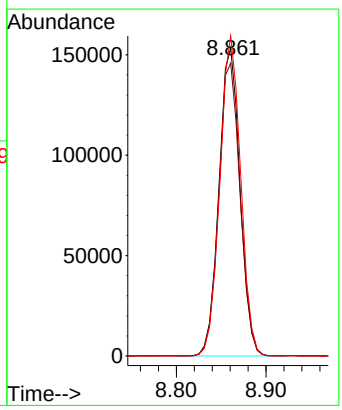
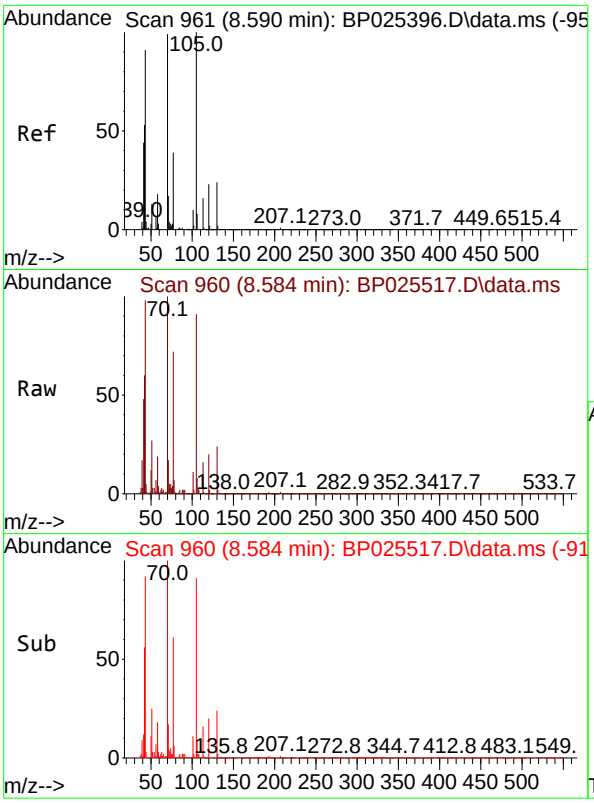


#18
Hexachloroethane
Concen: 47.925 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:117 Resp: 249463

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.1	112.7
201	104.0	80.1	120.1

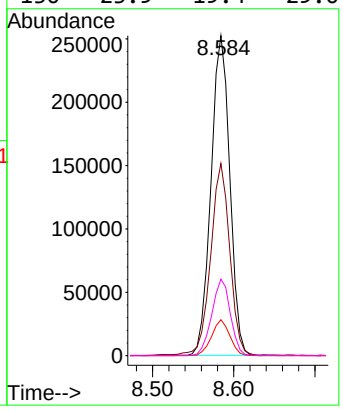




#19
n-Nitroso-di-n-propylamine
Concen: 42.894 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 70 Resp: 40548

Ion	Ratio	Lower	Upper
70	100		
42	60.0	43.8	65.6
101	11.3	8.5	12.7
130	23.9	19.4	29.0



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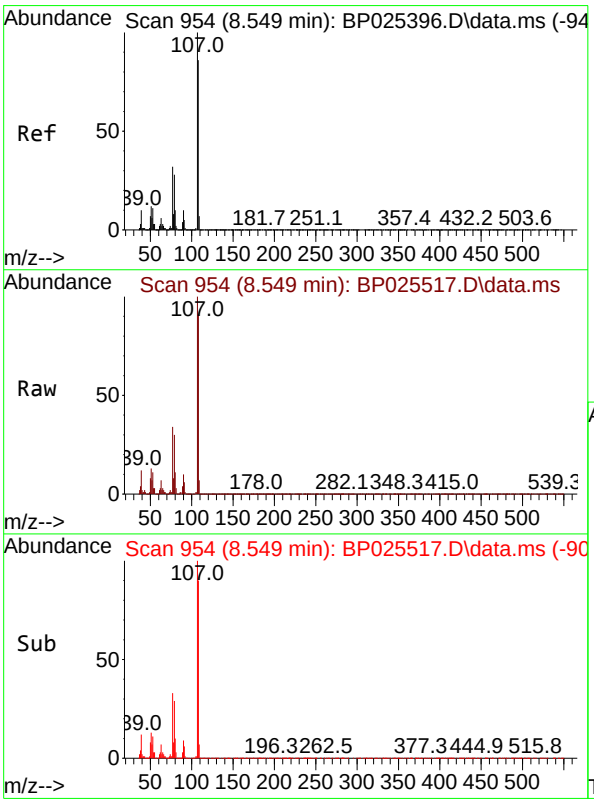
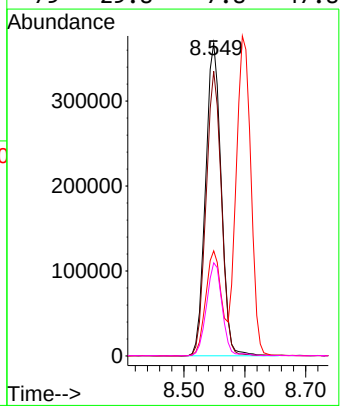
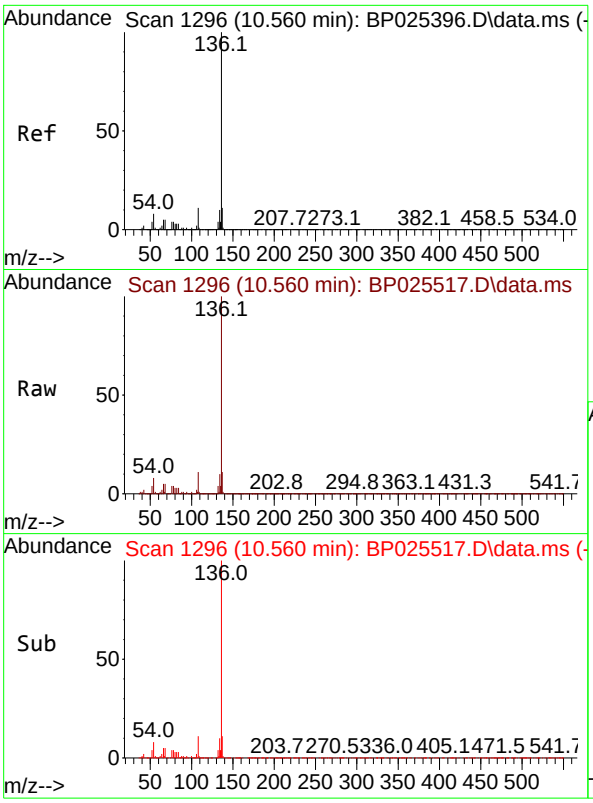


#20
3+4-Methylphenols
Concen: 45.649 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:107 Resp: 658121

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.3	106.3
77	33.6	12.3	52.3
79	29.8	7.8	47.8

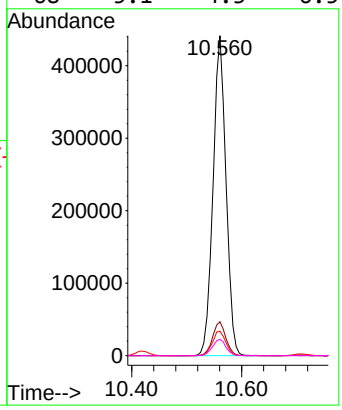




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:136 Resp: 72228

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.7	6.0	9.0
68	5.1	4.3	6.5



Instrument :
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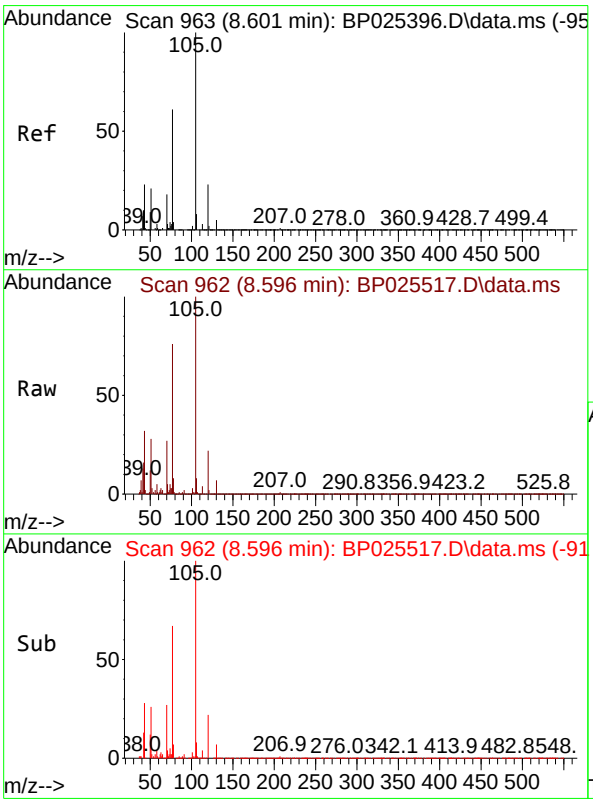
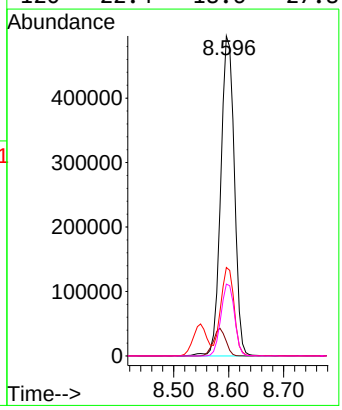
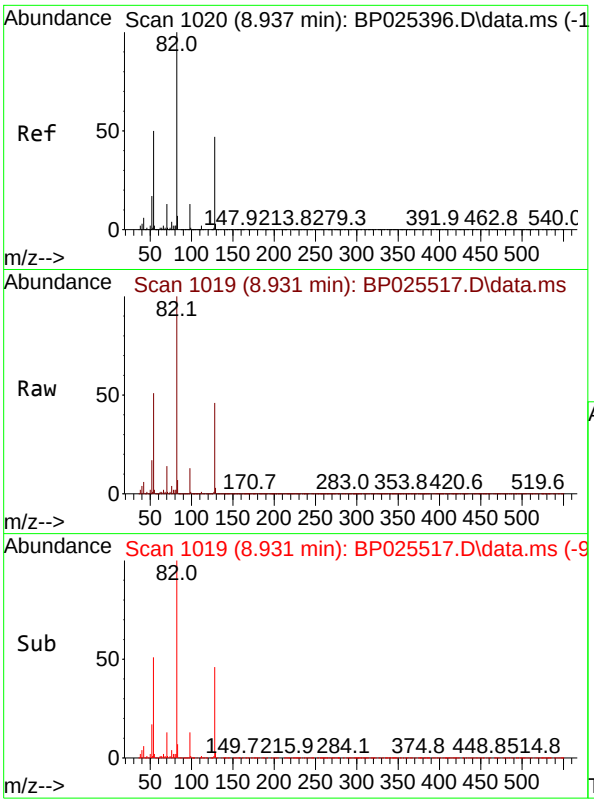


#22
Acetophenone
Concen: 47.056 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:105 Resp: 852338

Ion	Ratio	Lower	Upper
105	100		
71	4.5	2.6	4.0#
51	27.7	20.6	30.8
120	22.4	18.6	27.8

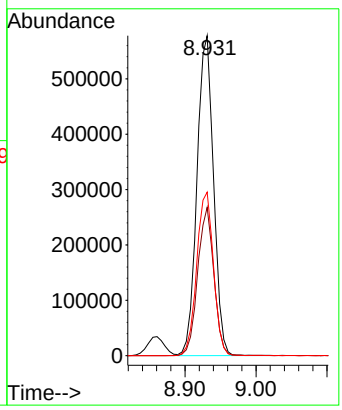




#23
Nitrobenzene-d5
Concen: 65.608 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 82 Resp: 93677

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.7	56.5
54	51.1	39.8	59.6



Instrument :
BNA_P
ClientSampleId :
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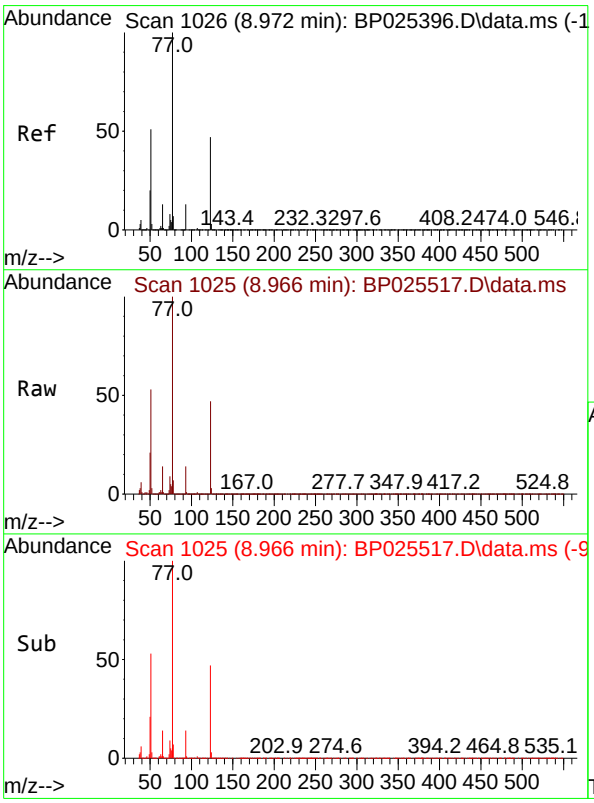
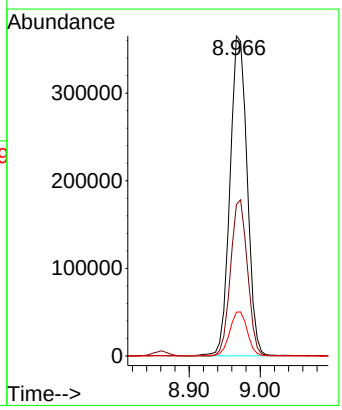
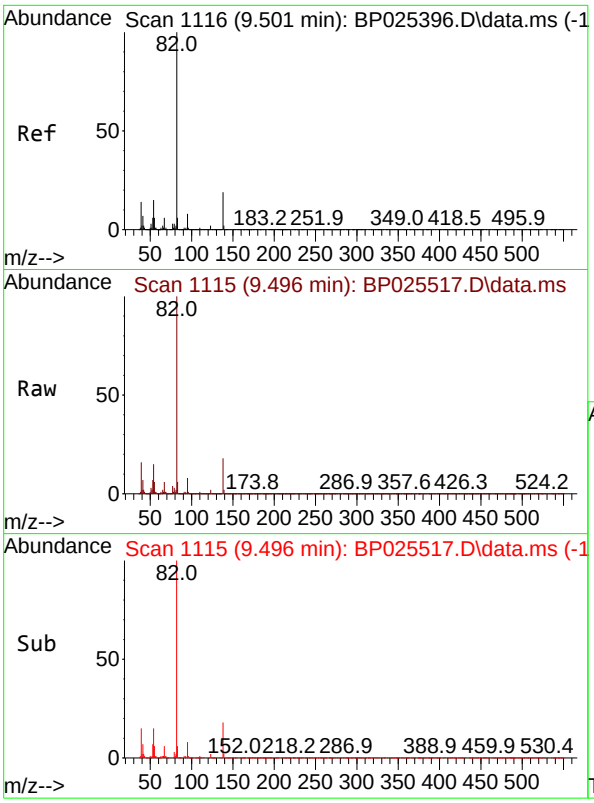


#24
Nitrobenzene
Concen: 48.104 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 77 Resp: 613843

Ion	Ratio	Lower	Upper
77	100		
123	47.3	38.6	58.0
65	13.7	10.6	15.8

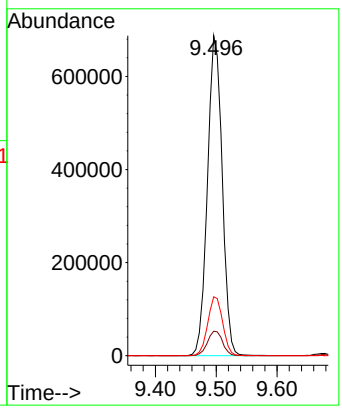




#25
Isophorone
Concen: 45.736 ng
RT: 9.496 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 82 Resp: 115570

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.4	15.4	23.0



Instrument :
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ClientSampleId :
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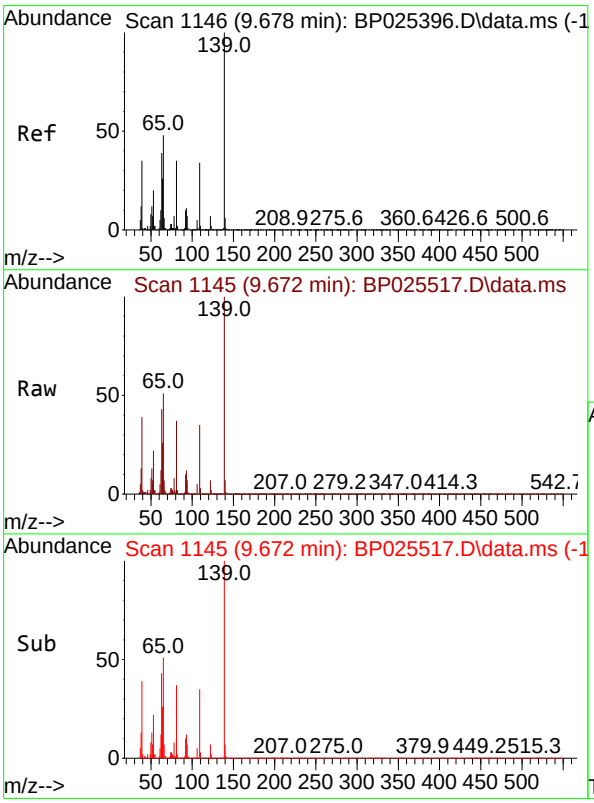
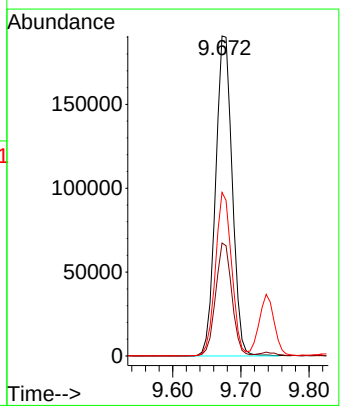
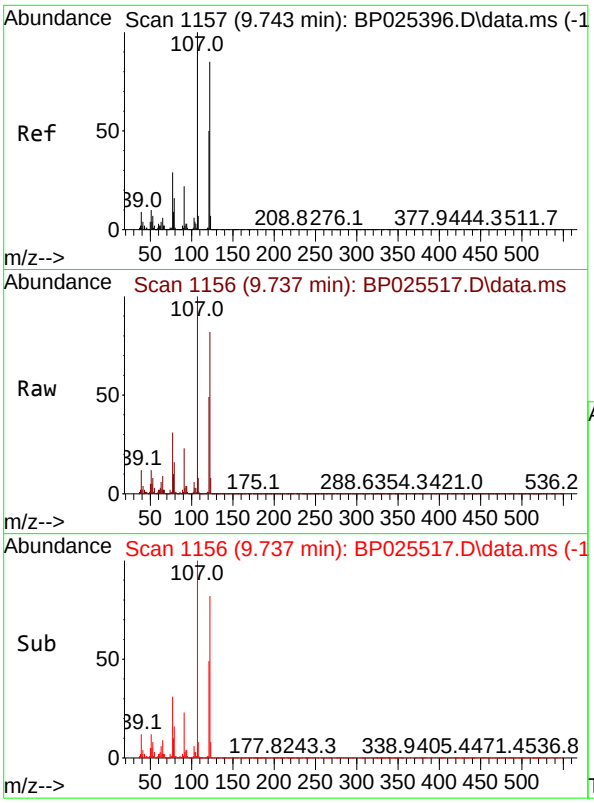


#26
2-Nitrophenol
Concen: 49.335 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:139 Resp: 323093

Ion	Ratio	Lower	Upper
139	100		
109	35.3	26.9	40.3
65	51.1	38.3	57.5

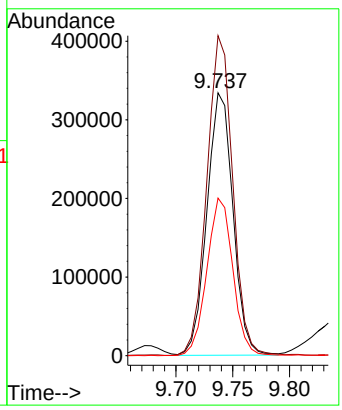




#27
2,4-Dimethylphenol
Concen: 47.366 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:122 Resp: 53344

Ion	Ratio	Lower	Upper
122	100		
107	121.7	93.7	140.5
121	59.9	46.6	69.8



Instrument :
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ClientSampleId :
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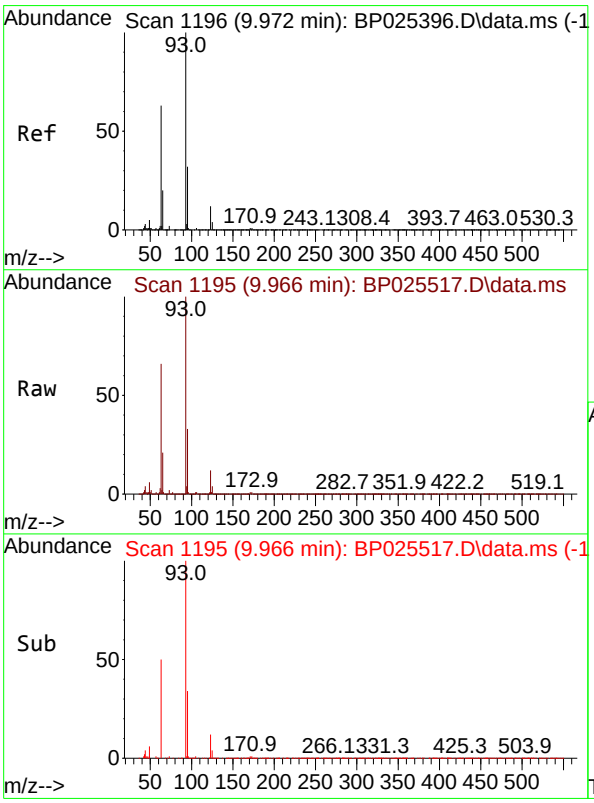
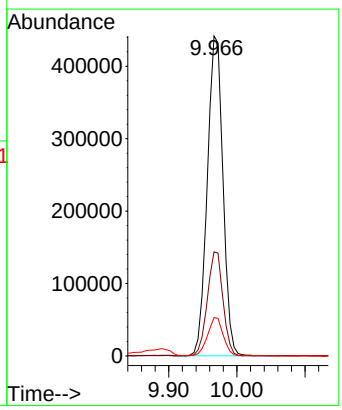
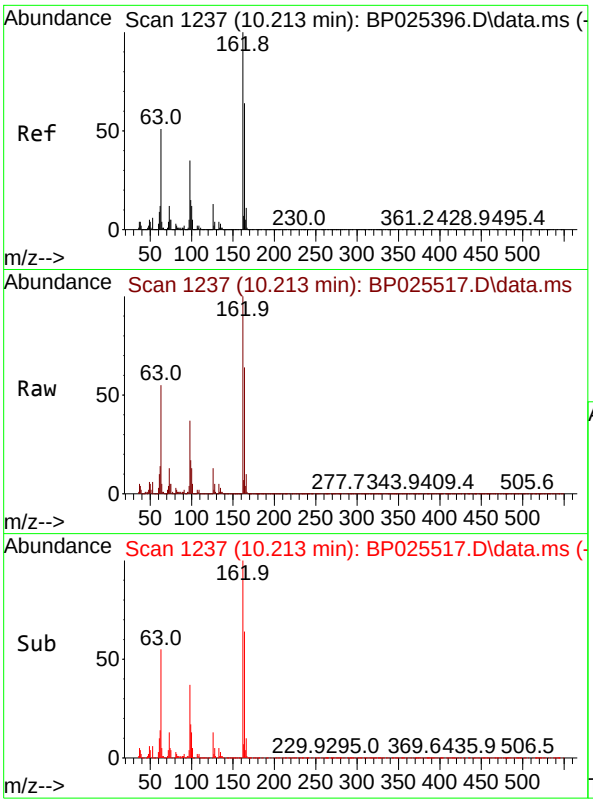


#28
bis(2-Chloroethoxy)methane
Concen: 46.309 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 93 Resp: 707355

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.0
123	12.0	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 49.622 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:162 Resp: 55515

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.4	84.4
98	37.0	14.9	54.9

Instrument :
BNA_P
ClientSampleId :
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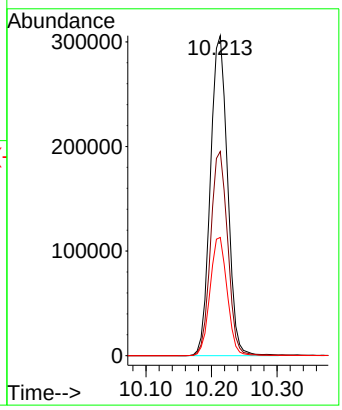
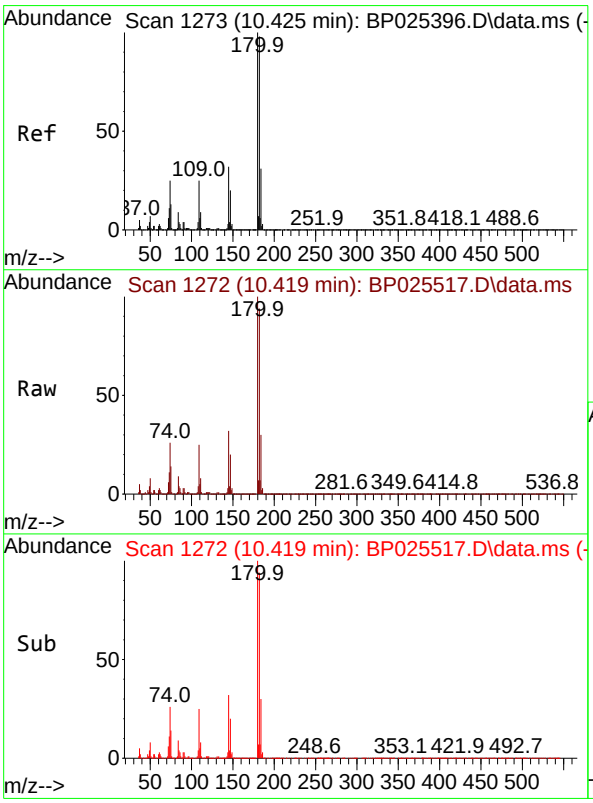
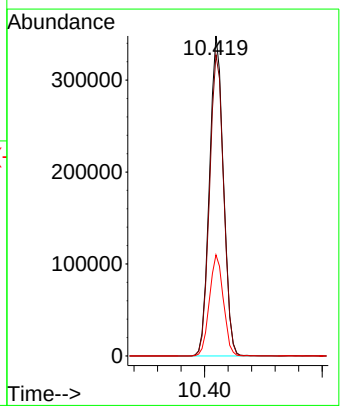


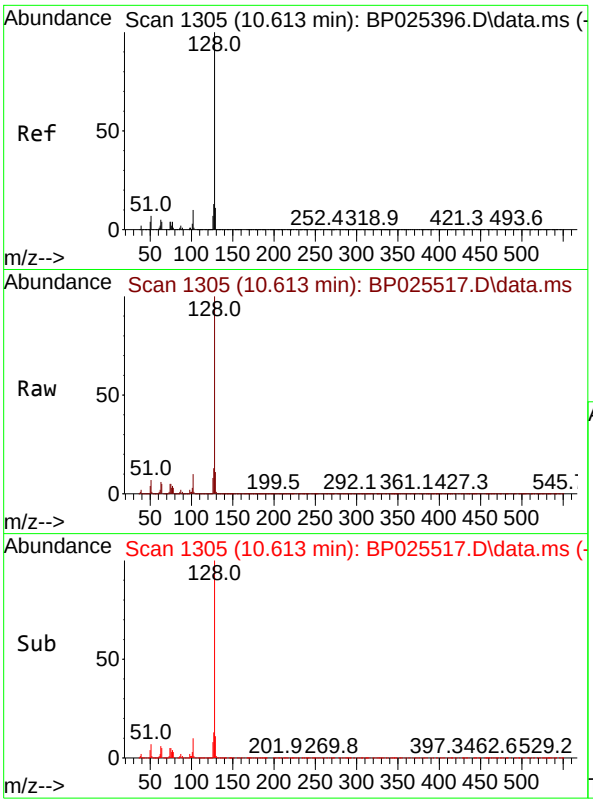


#30
1,2,4-Trichlorobenzene
Concen: 46.702 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:180 Resp: 572771

Ion	Ratio	Lower	Upper
180	100		
182	94.2	78.0	117.0
145	31.6	25.9	38.9





#31
Naphthalene
Concen: 46.334 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:128 Resp: 173943

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.7	16.1

Instrument :
BNA_P
ClientSampleId :
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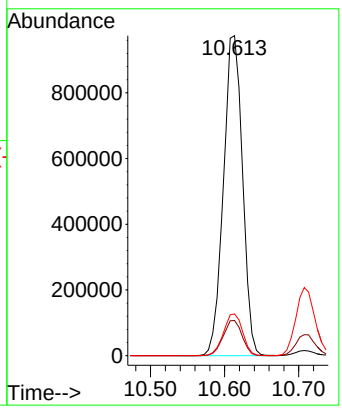
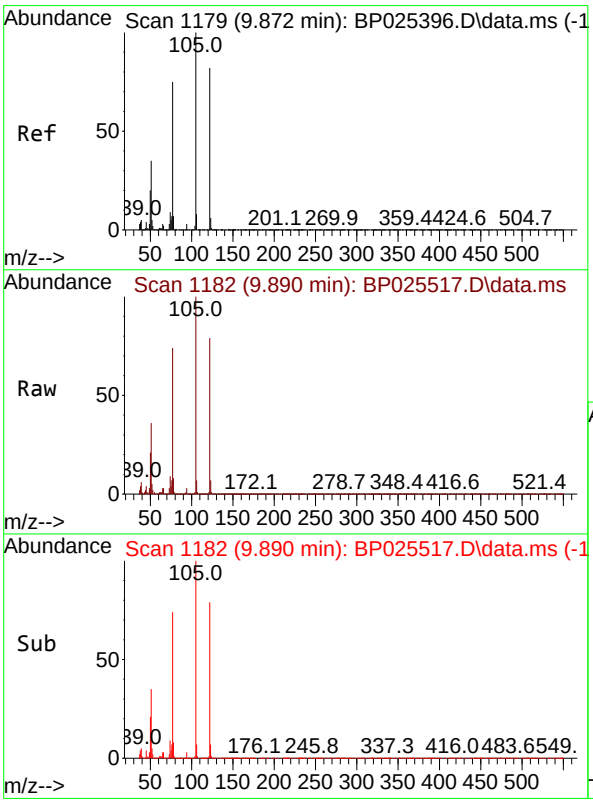
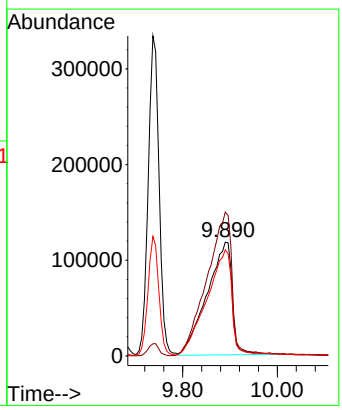


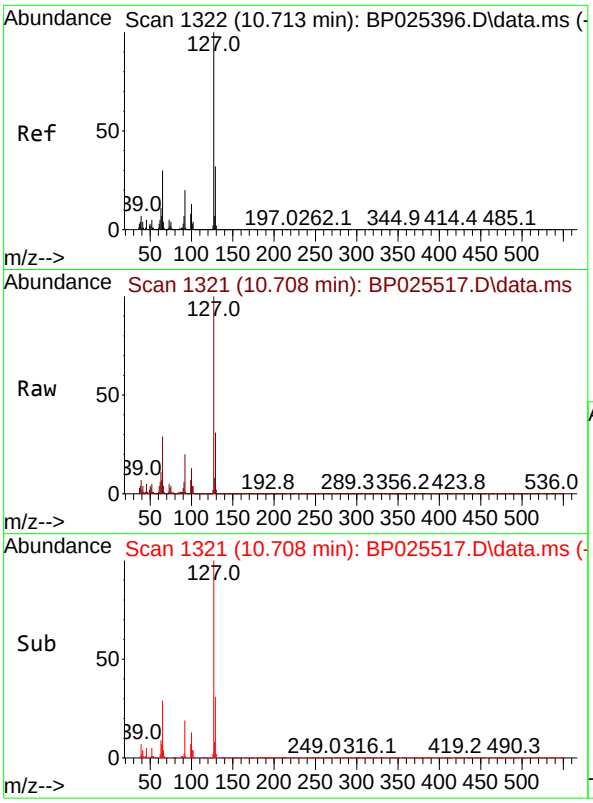


#32
Benzoic acid
Concen: 51.860 ng
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:122 Resp: 431194

Ion	Ratio	Lower	Upper
122	100		
105	126.5	100.6	140.6
77	93.3	71.5	111.5

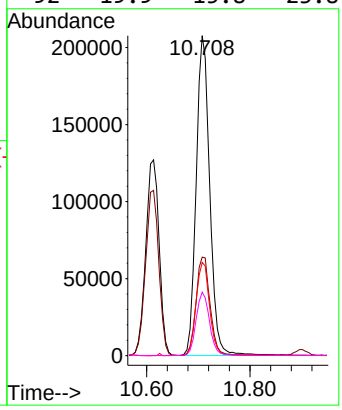




#33
4-Chloroaniline
Concen: 22.779 ng
RT: 10.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:127 Resp: 37773

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.4	38.2
65	29.1	23.8	35.6
92	19.9	15.8	23.8



Instrument :
BNA_P
ClientSampleId :
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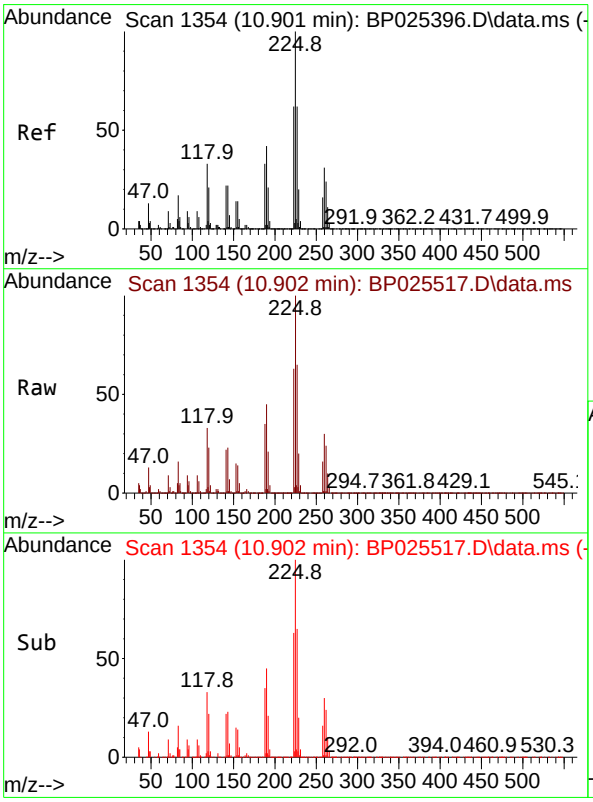
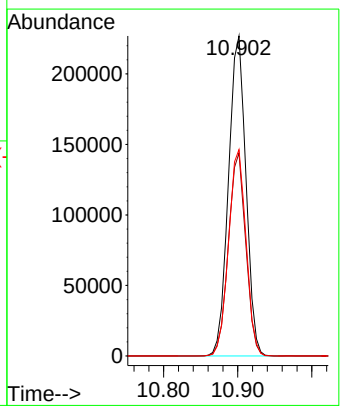
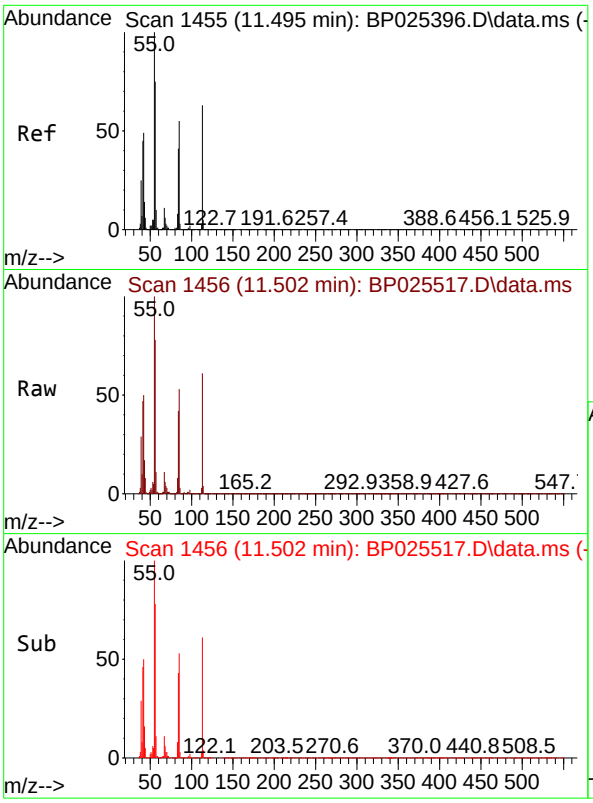


#34
Hexachlorobutadiene
Concen: 48.563 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:225 Resp: 370916

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.0	75.0
227	64.5	49.7	74.5





#35
Caprolactam
Concen: 45.747 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:113 Resp: 18767

Ion	Ratio	Lower	Upper
113	100		
55	164.6	140.0	180.0
56	128.1	100.0	140.0

Instrument :
BNA_P
ClientSampleId :
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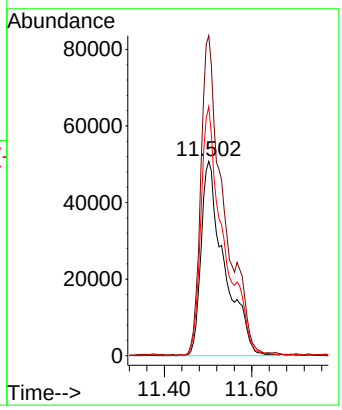
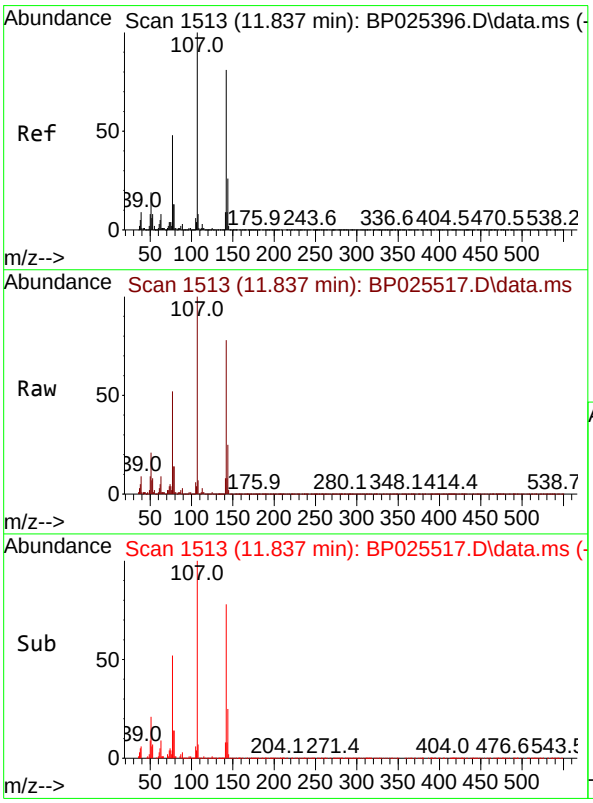
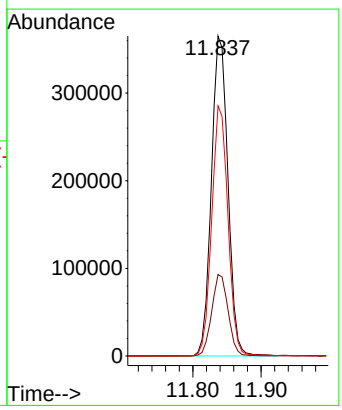


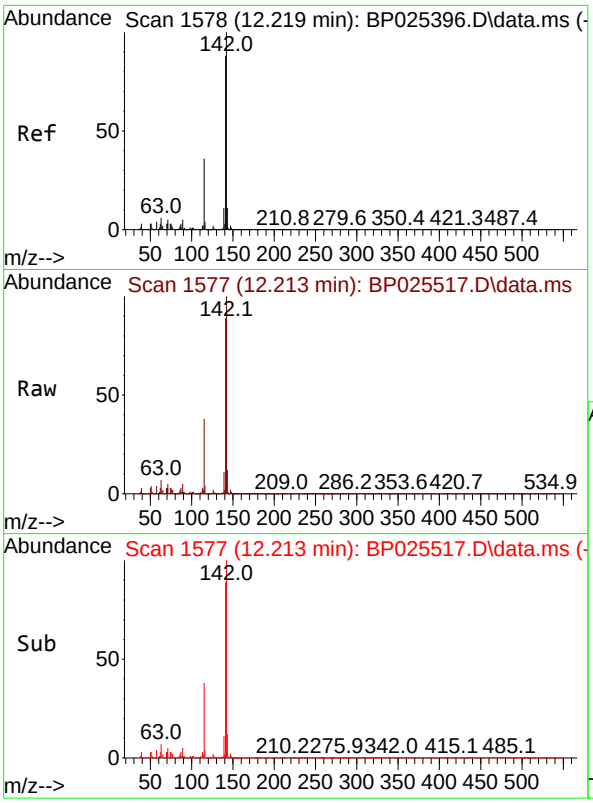


#36
4-Chloro-3-methylphenol
Concen: 47.974 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:107 Resp: 615878

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	78.1	64.6	97.0

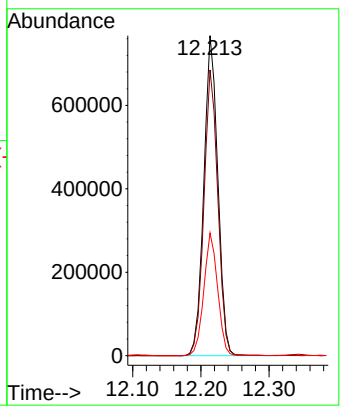




#37
2-Methylnaphthalene
Concen: 44.896 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:142 Resp: 109682

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.3	105.5
115	38.4	28.9	43.3



Instrument :
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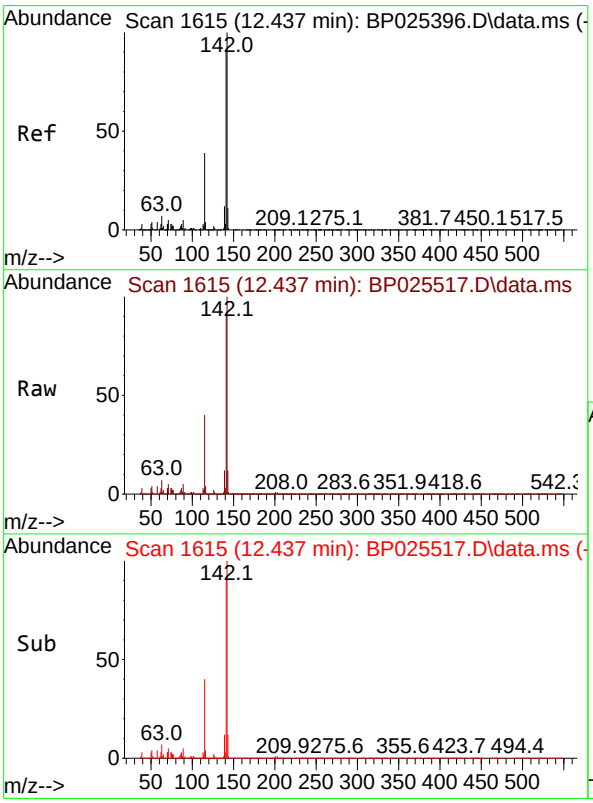
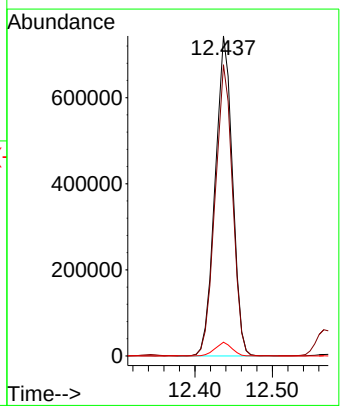
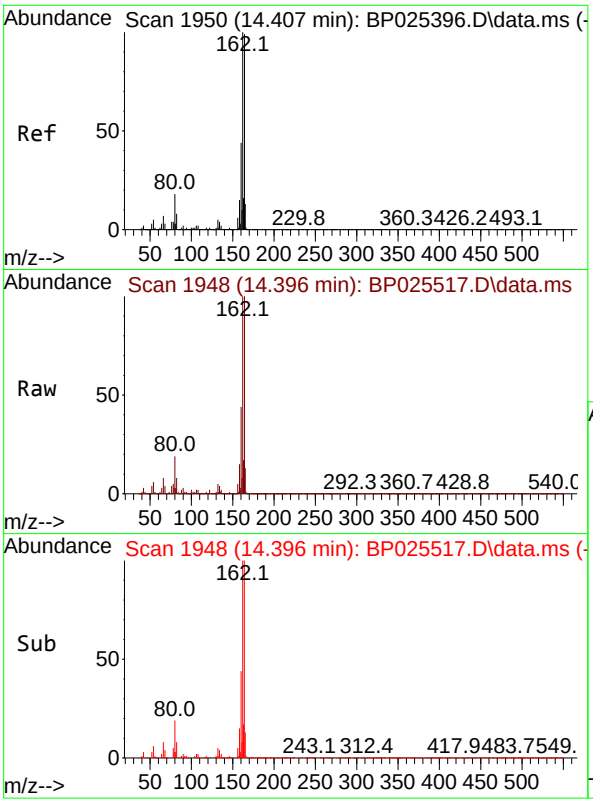


#38
1-Methylnaphthalene
Concen: 44.535 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:142 Resp: 1157054

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.1	109.7
116	4.3	3.2	4.8

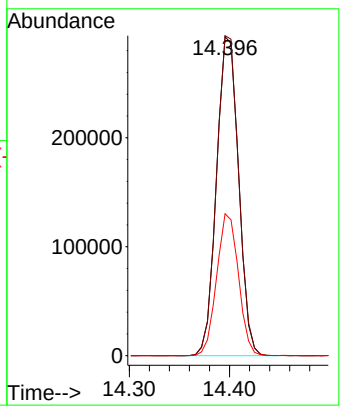




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:164 Resp: 44704

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.6
160	44.5	35.4	53.2



Instrument :
BNA_P
ClientSampleId :
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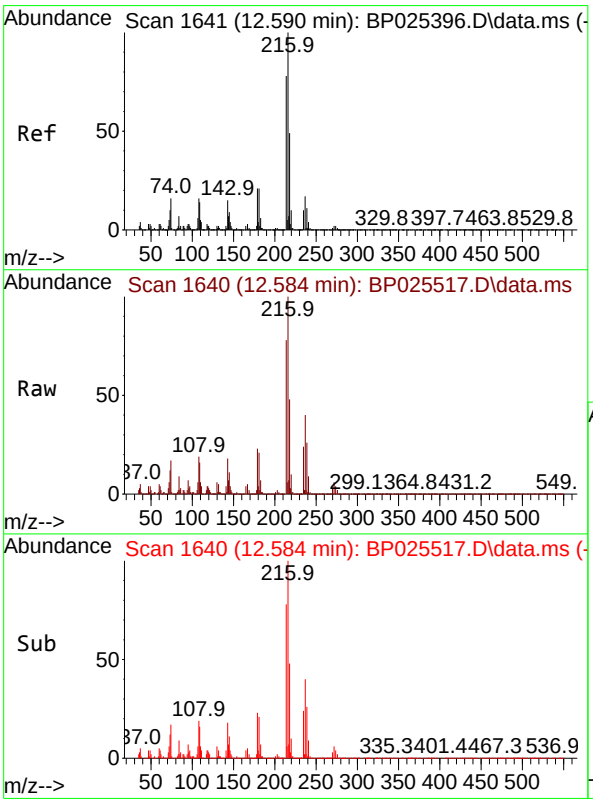
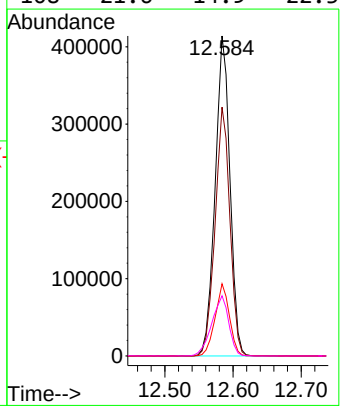
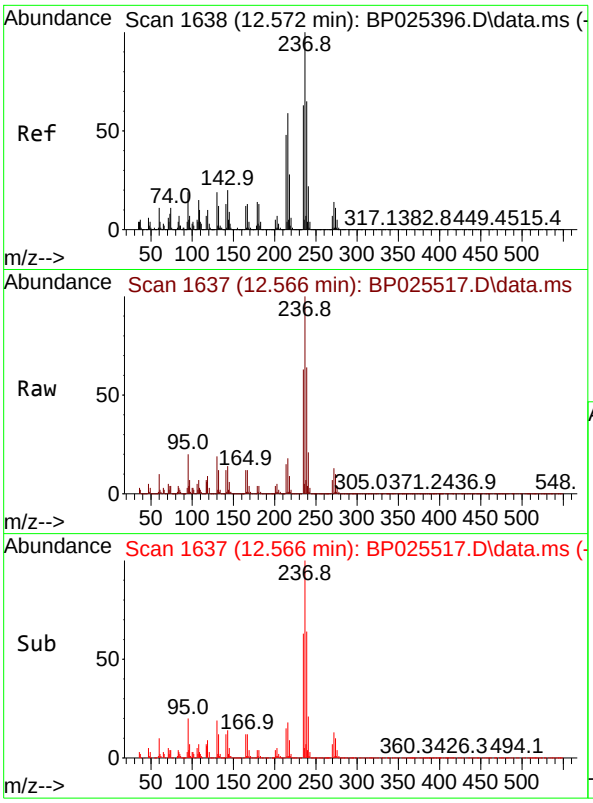


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.461 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:216 Resp: 625693

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	21.9	17.1	25.7
108	21.6	14.9	22.3





#41
Hexachlorocyclopentadiene
Concen: 102.943 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:237 Resp: 80284

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.7	82.7
272	12.6	0.0	34.0

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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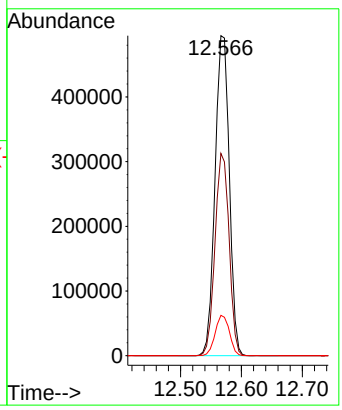
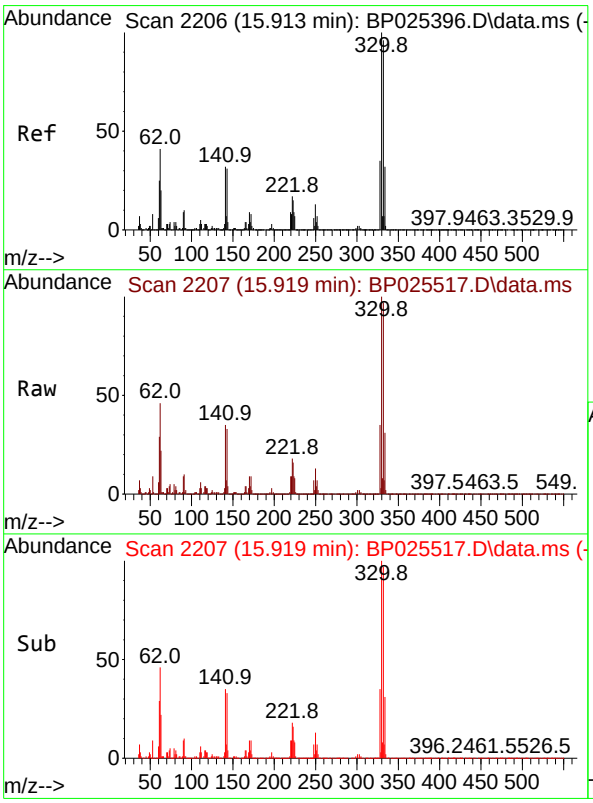
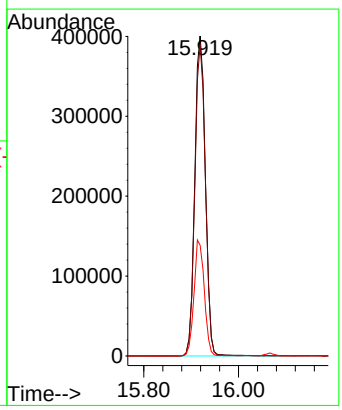


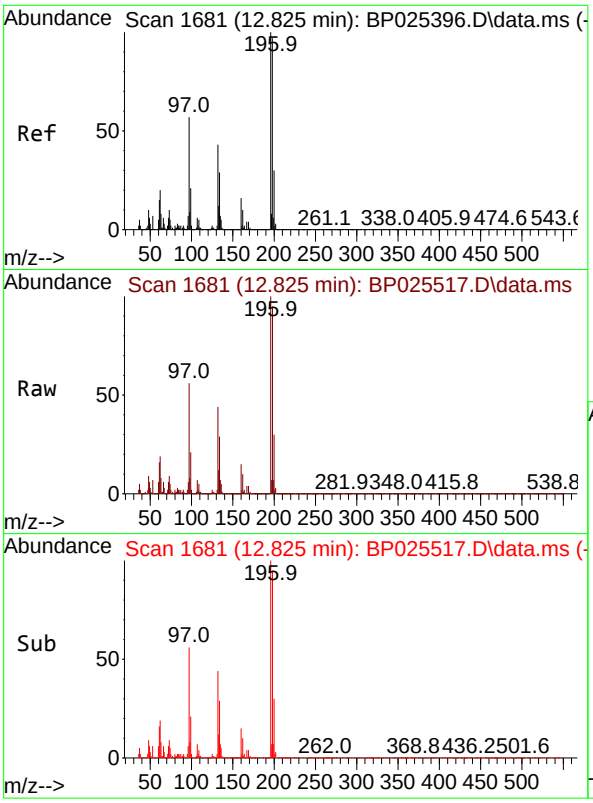


#42
2,4,6-Tribromophenol
Concen: 103.597 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:330 Resp: 623372

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	35.3	26.6	39.8

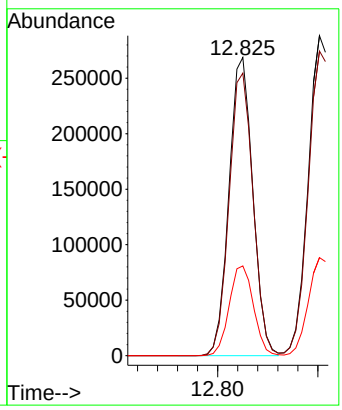




#43
2,4,6-Trichlorophenol
Concen: 50.780 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:196 Resp: 44262

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	30.1	23.9	35.9



Instrument :
BNA_P
ClientSampleId :
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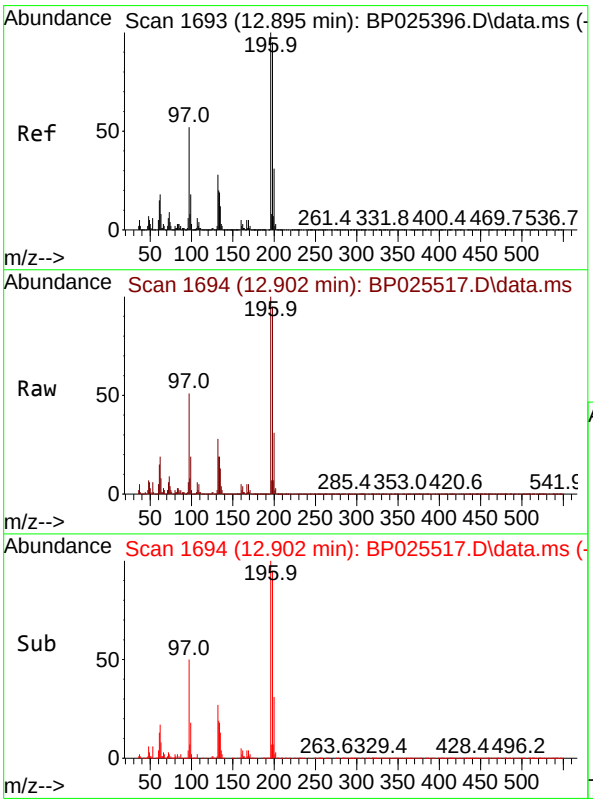
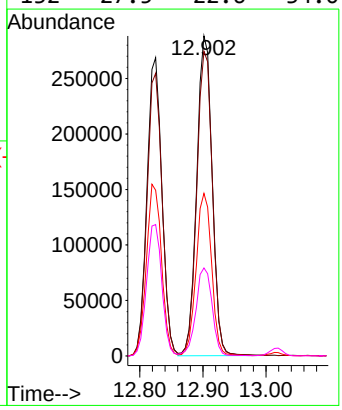
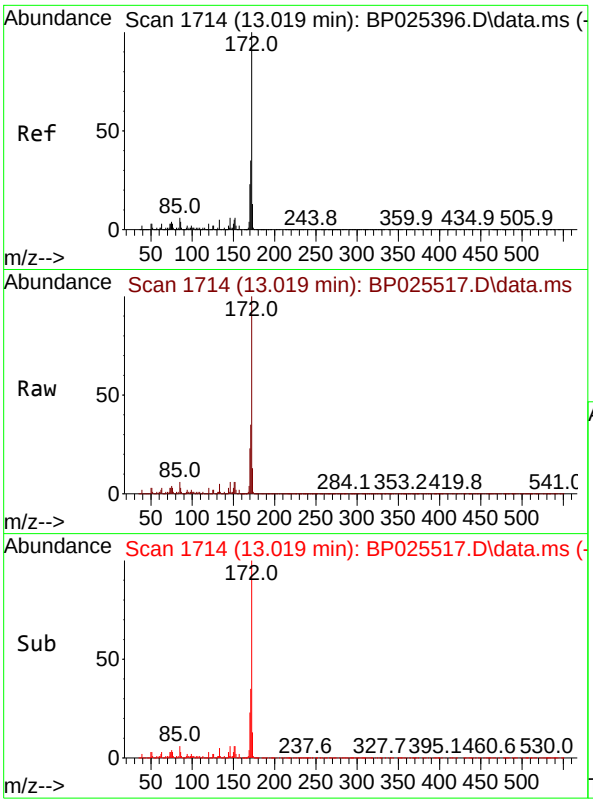


#44
2,4,5-Trichlorophenol
Concen: 51.330 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:196 Resp: 490354

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
97	50.8	41.2	61.8
132	27.5	22.6	34.0

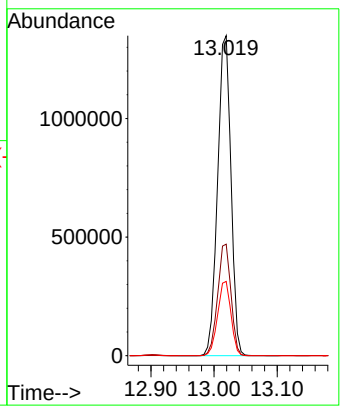




#45
2-Fluorobiphenyl
Concen: 60.642 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:172 Resp: 198363

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.2	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
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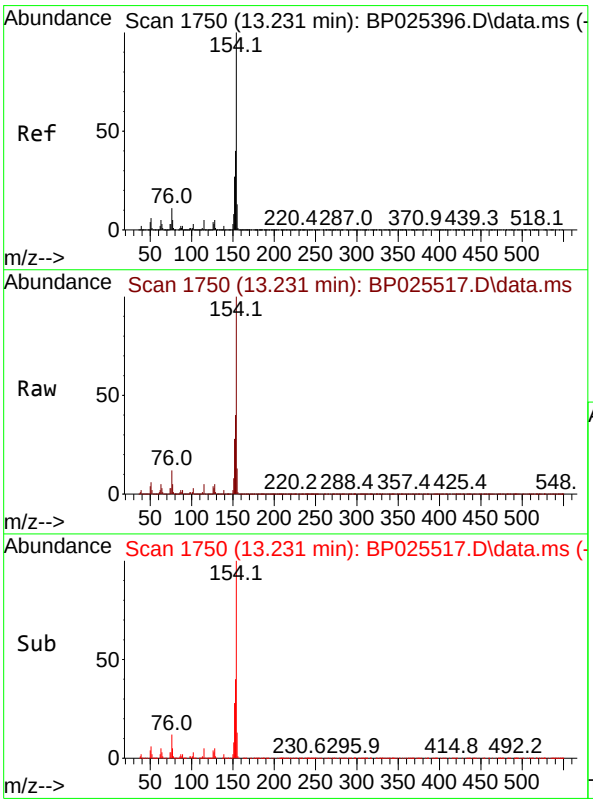
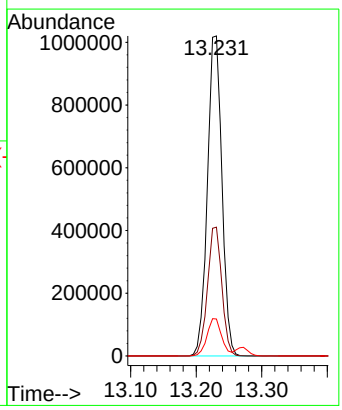
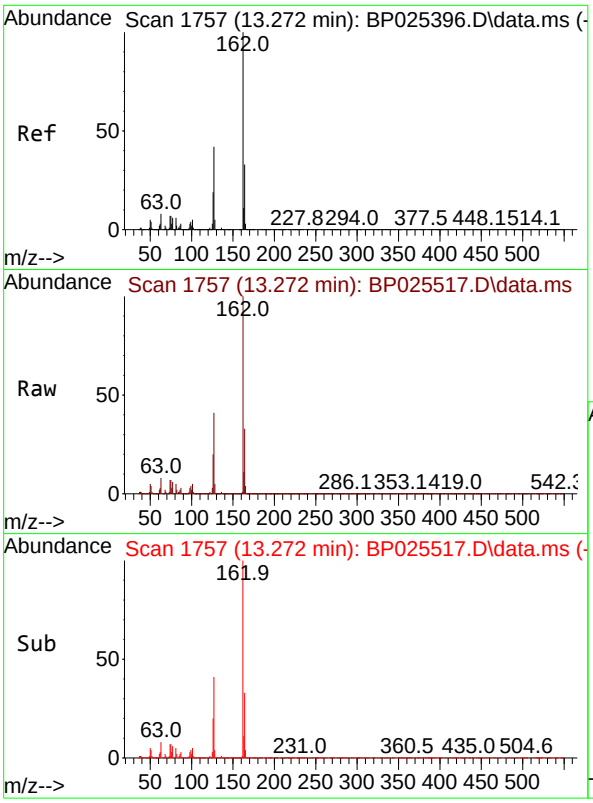


#46
1,1'-Biphenyl
Concen: 48.304 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:154 Resp: 1568313

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	11.6	0.0	31.1

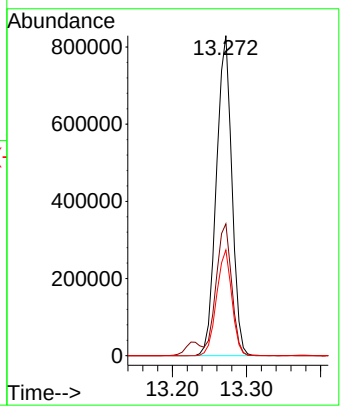




#47
2-Chloronaphthalene
Concen: 47.550 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:162 Resp: 120183

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.4	50.2
164	33.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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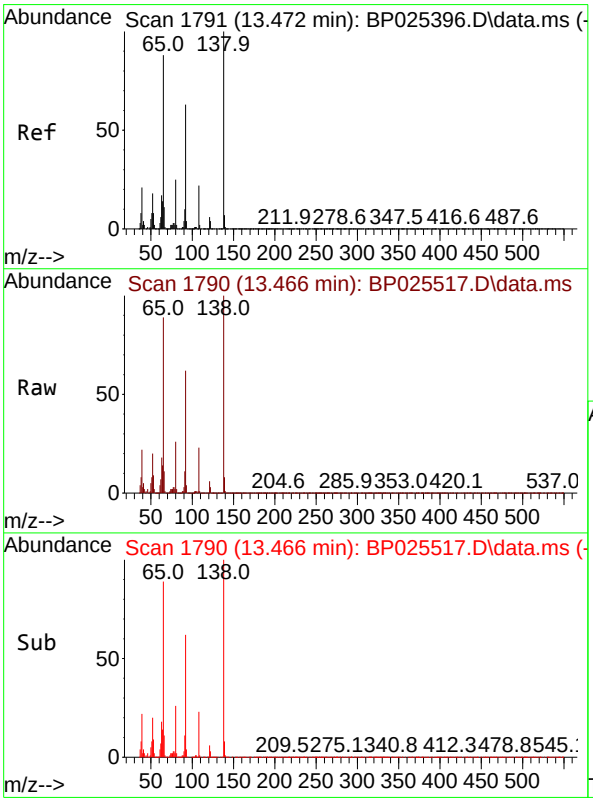
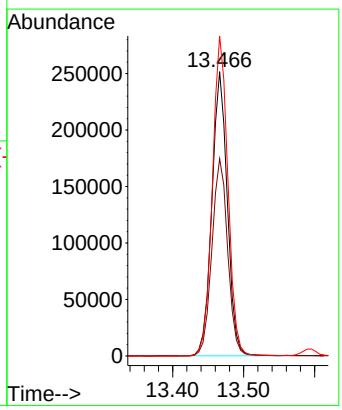
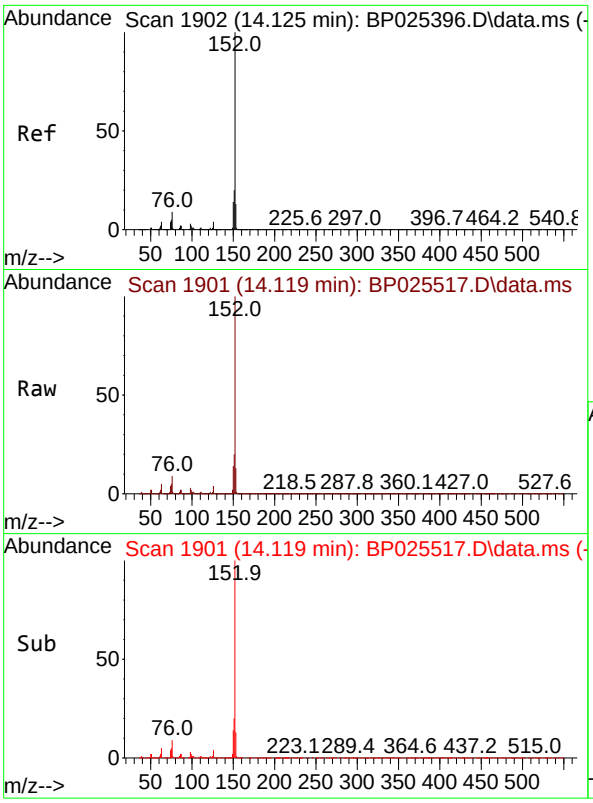


#48
2-Nitroaniline
Concen: 51.670 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 65 Resp: 380529

Ion	Ratio	Lower	Upper
65	100		
92	69.4	57.6	86.4
138	112.5	91.0	136.6

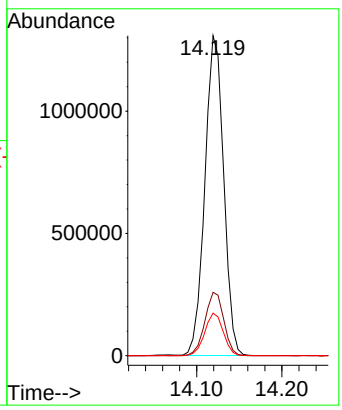




#49
Acenaphthylene
Concen: 47.841 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:152 Resp: 200090

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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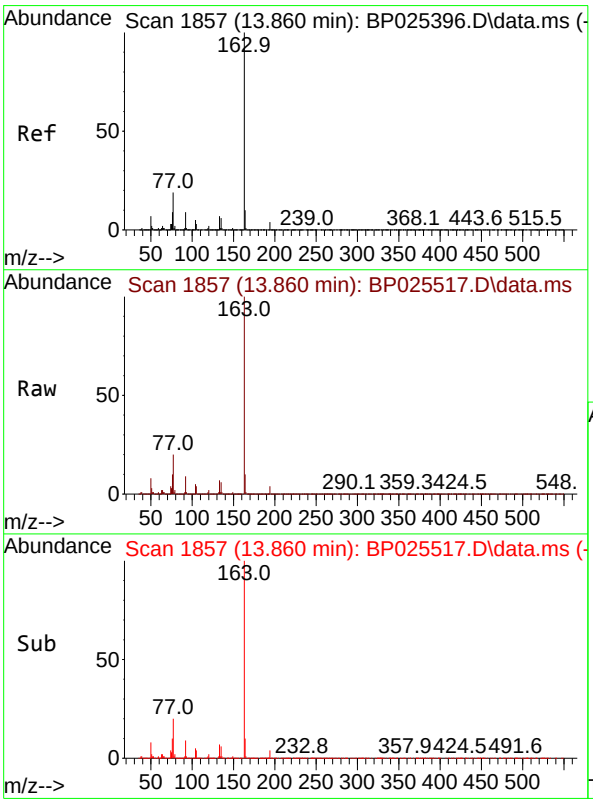
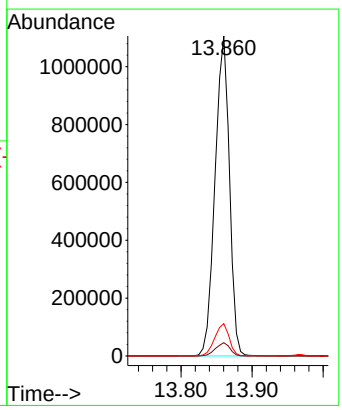
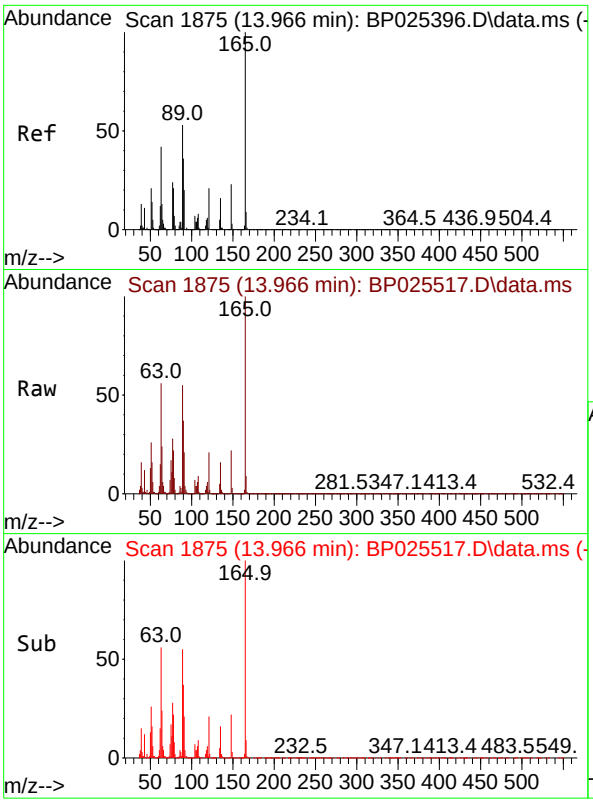


#50
Dimethylphthalate
Concen: 47.312 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:163 Resp: 1548844

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9

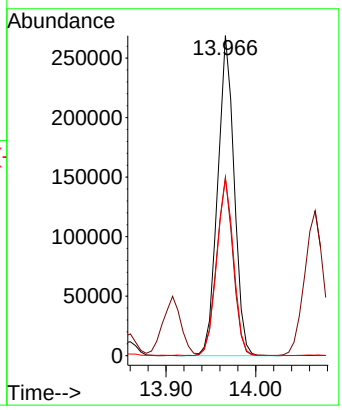




#51
2,6-Dinitrotoluene
Concen: 49.643 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:165 Resp: 34253

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	55.5	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
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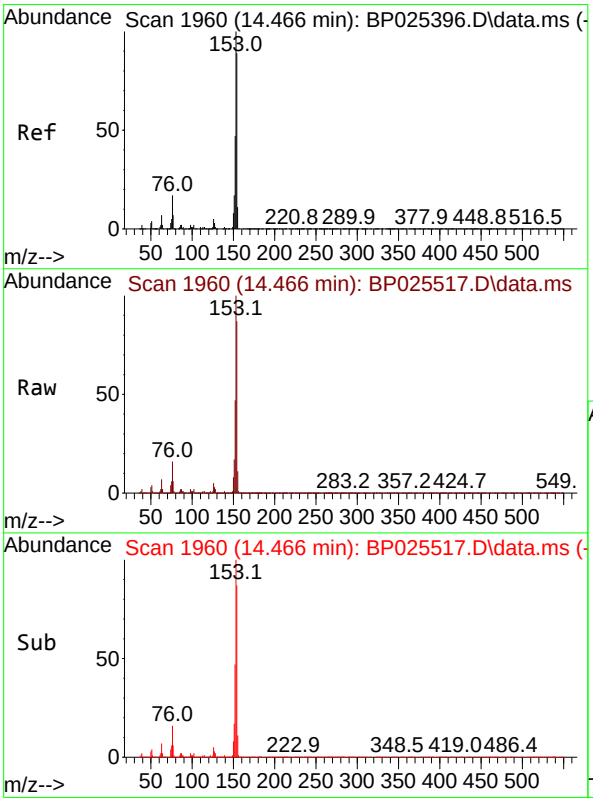
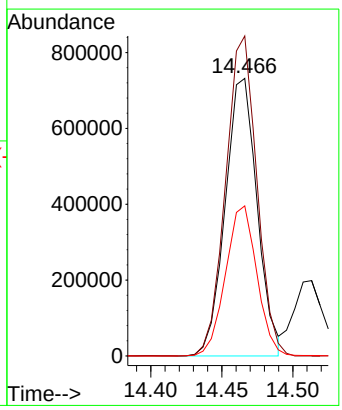
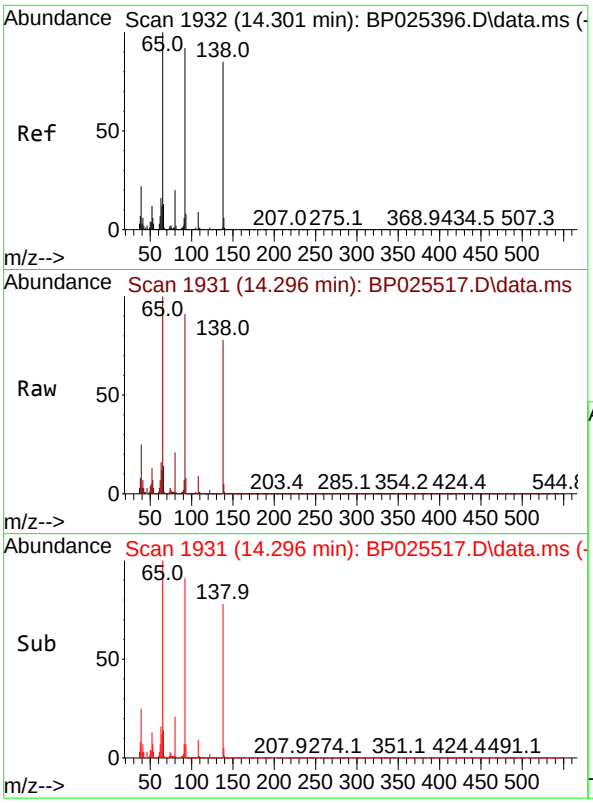


#52
Acenaphthene
Concen: 46.659 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:154 Resp: 1145454

Ion	Ratio	Lower	Upper
154	100		
153	115.2	90.2	135.2
152	54.0	42.1	63.1





#53
3-Nitroaniline
Concen: 30.228 ng
RT: 14.296 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:138 Resp: 23466

Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.3	12.5
92	116.4	86.2	129.2

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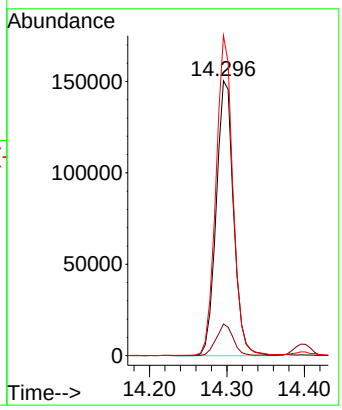
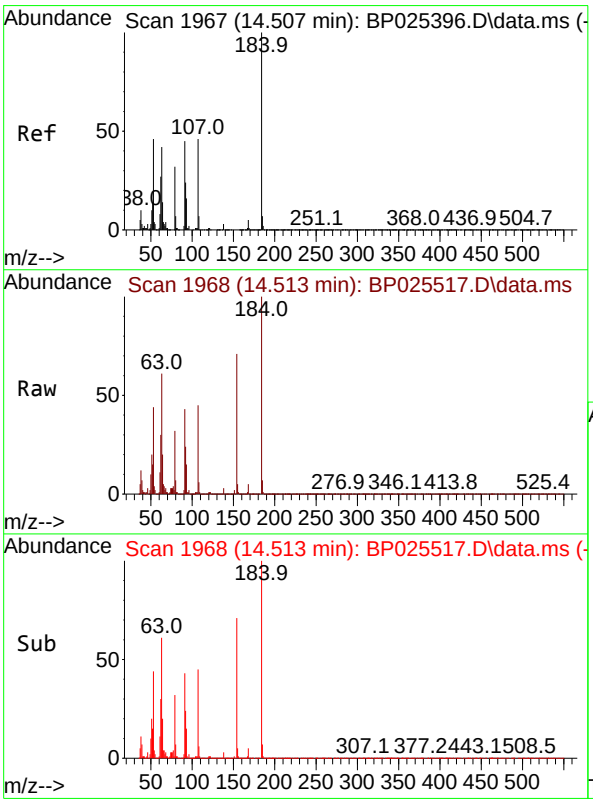
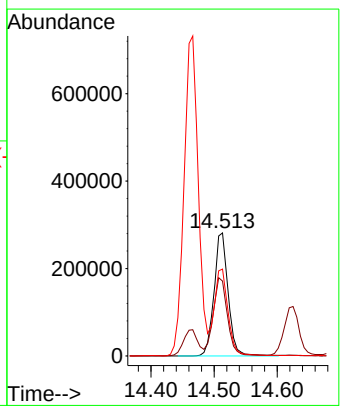


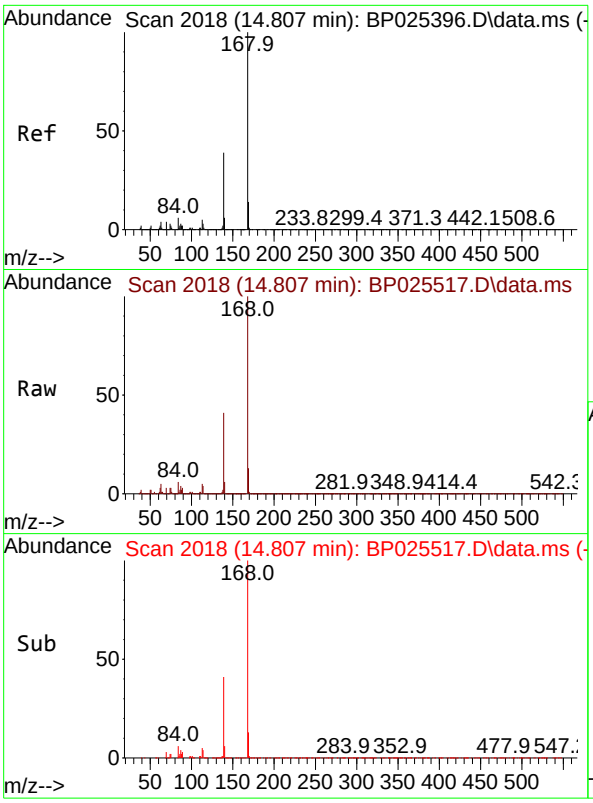


#54
2,4-Dinitrophenol
Concen: 118.504 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:184 Resp: 436661

Ion	Ratio	Lower	Upper
184	100		
63	60.9	49.4	74.2
154	70.6	54.6	82.0

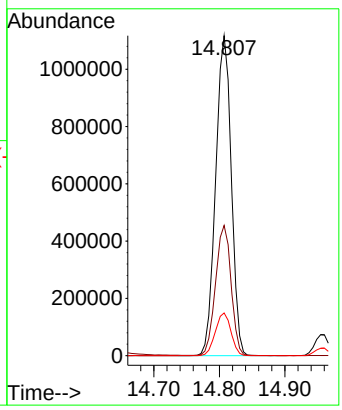




#55
Dibenzofuran
Concen: 47.393 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:168 Resp: 183949

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.5	47.3
169	13.3	10.9	16.3



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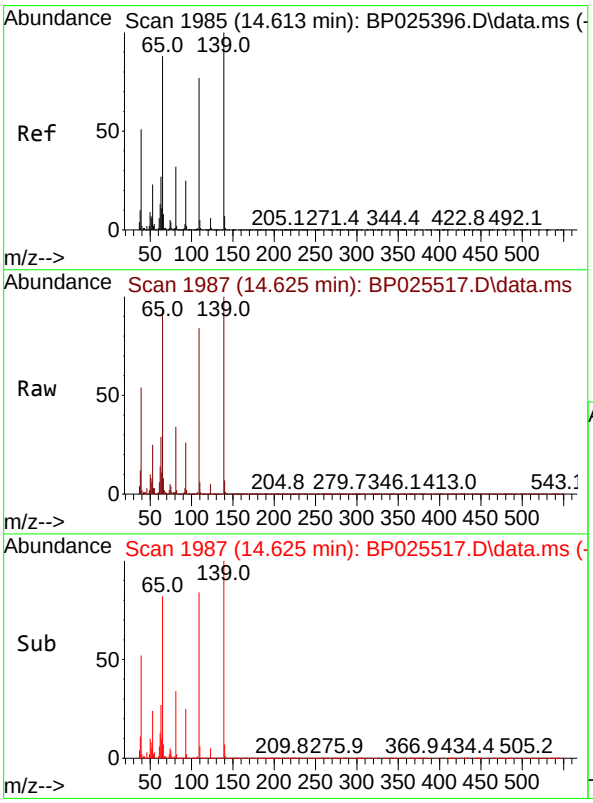
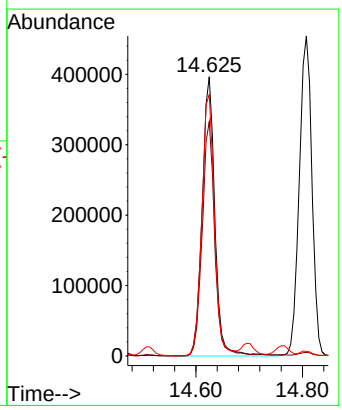
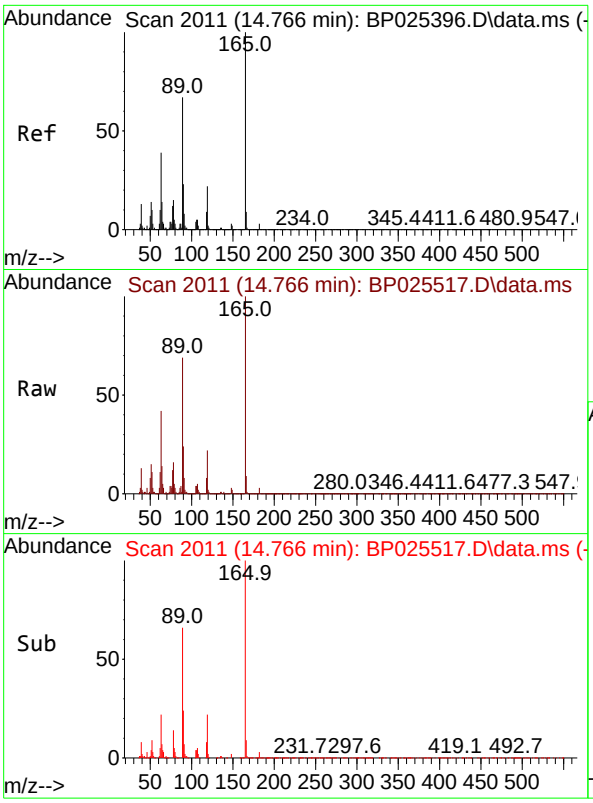


#56
4-Nitrophenol
Concen: 102.419 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:139 Resp: 653354

Ion	Ratio	Lower	Upper
139	100		
109	83.9	56.6	96.6
65	93.6	68.2	108.2

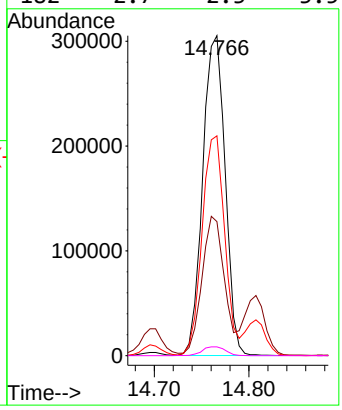




#57
2,4-Dinitrotoluene
Concen: 51.002 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:165 Resp: 50209

Ion	Ratio	Lower	Upper
165	100		
63	41.9	31.4	47.2
89	68.7	53.3	79.9
182	2.7	2.3	3.5



Instrument :
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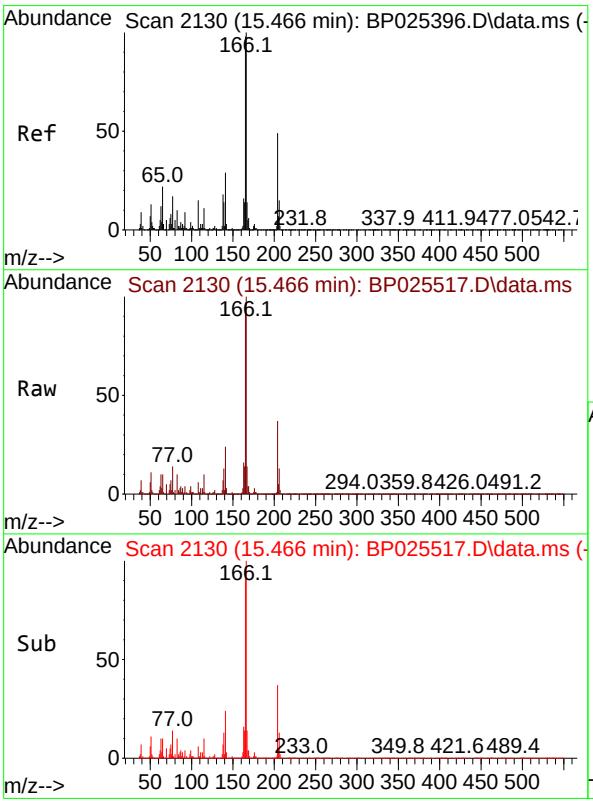
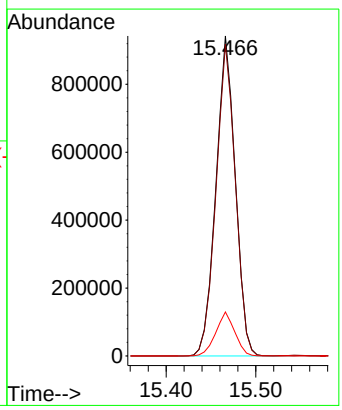
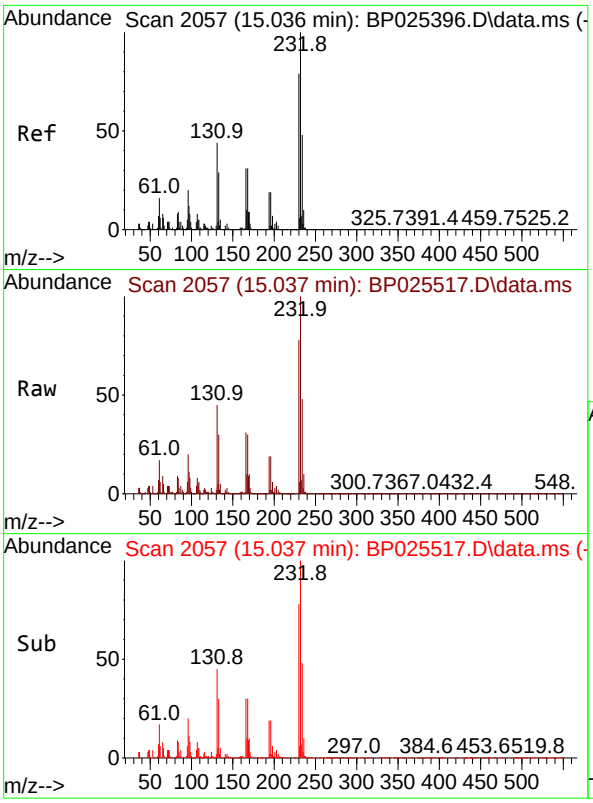


#58
Fluorene
Concen: 46.148 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:166 Resp: 1413344

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.7	11.0	16.4

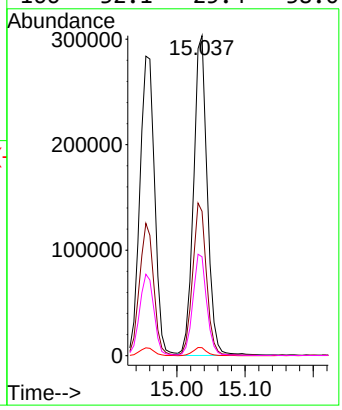




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.097 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:232 Resp: 42258

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.1	25.4	38.0



Instrument :
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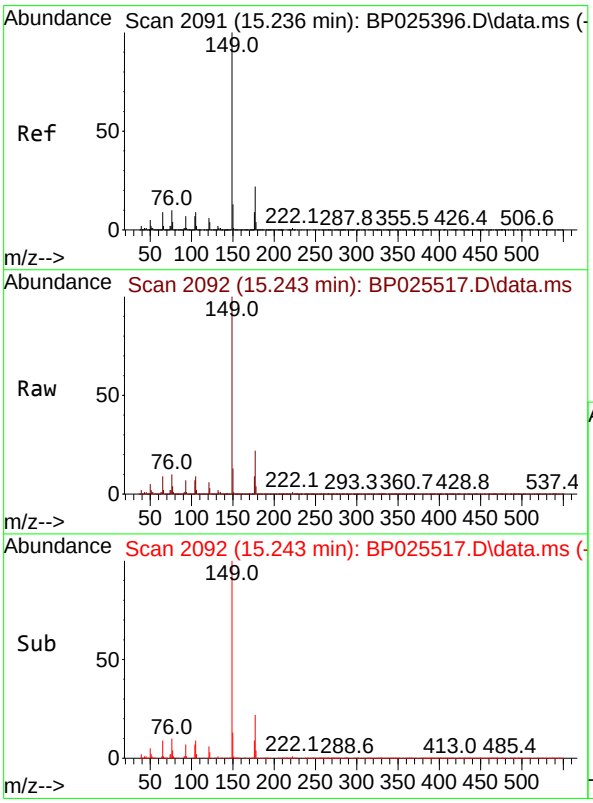
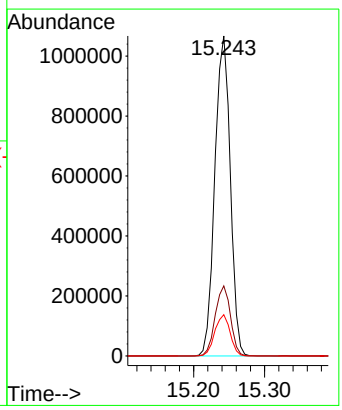
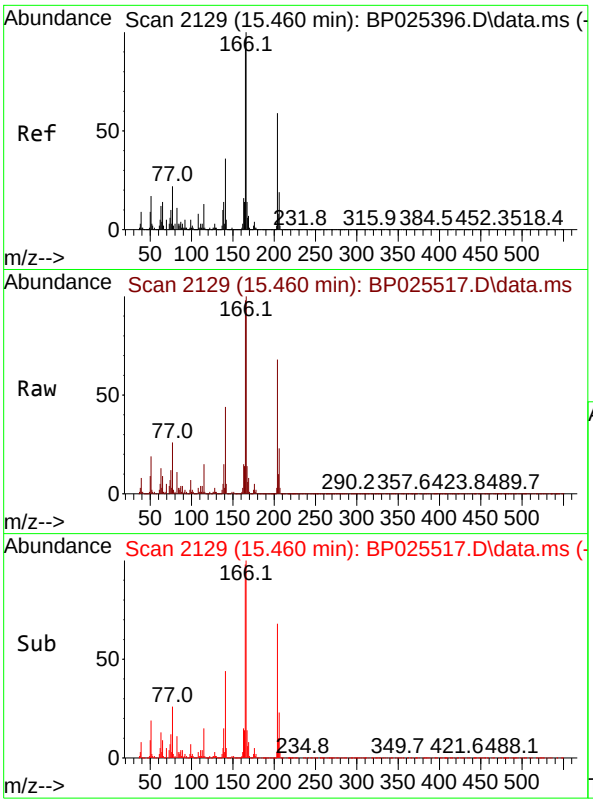


#60
Diethylphthalate
Concen: 48.175 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1602496

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.9	10.3	15.5

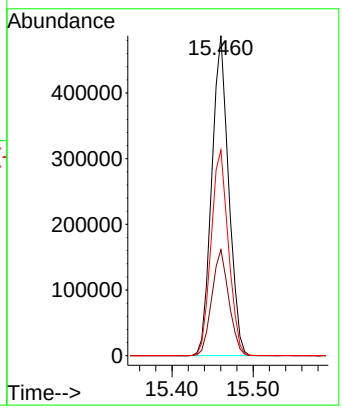




#61
4-Chlorophenyl-phenylether
Concen: 46.278 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:204 Resp: 70489

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	64.3	49.4	74.2



Instrument :
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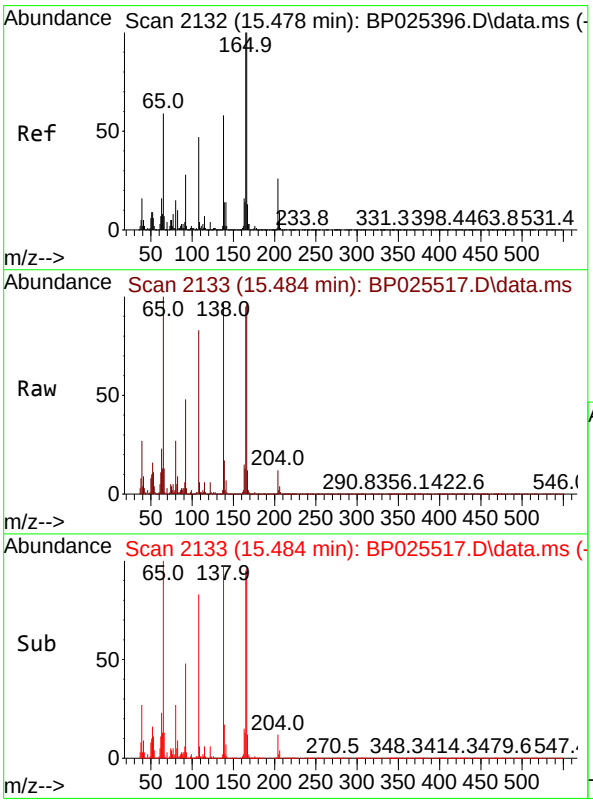
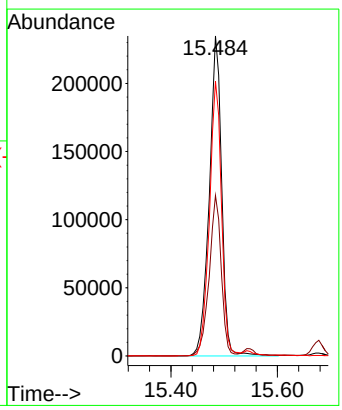
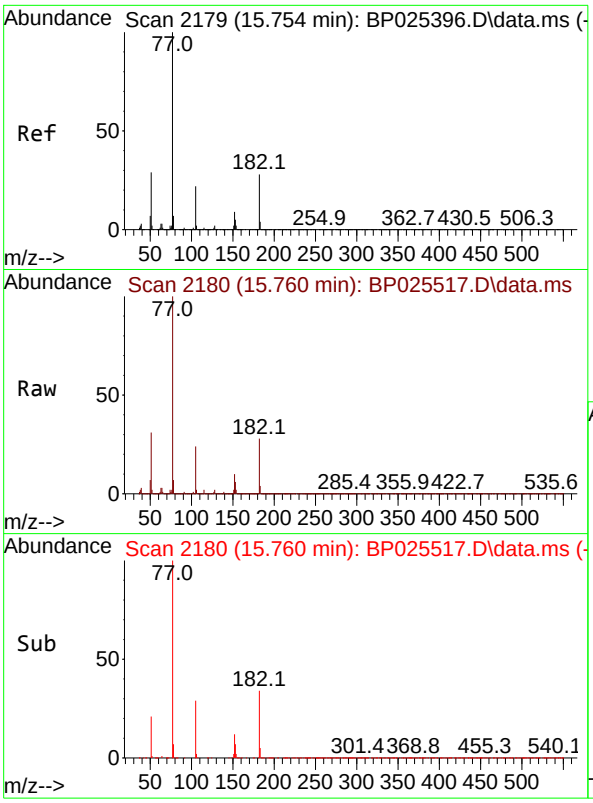


#62
4-Nitroaniline
Concen: 47.851 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:138 Resp: 380825

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.1	69.1
108	85.8	61.5	101.5

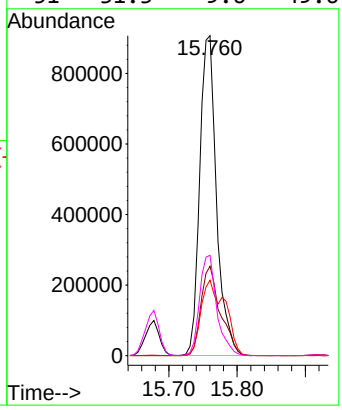




#63
Azobenzene
Concen: 54.544 ng
RT: 15.760 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 77 Resp: 155355

Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	23.6	2.1	42.1
51	31.3	9.6	49.6



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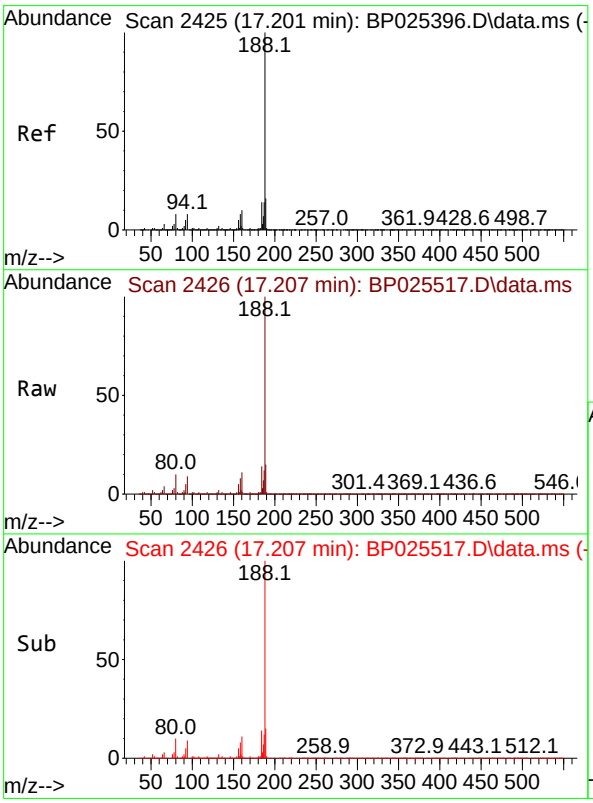
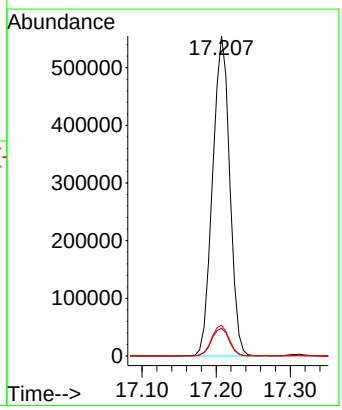
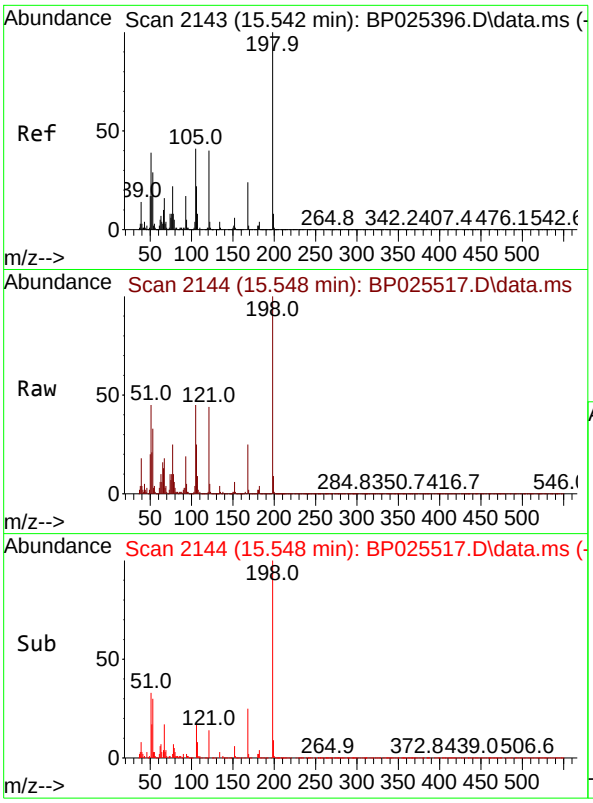


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:188 Resp: 890323

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.6	6.7	10.1

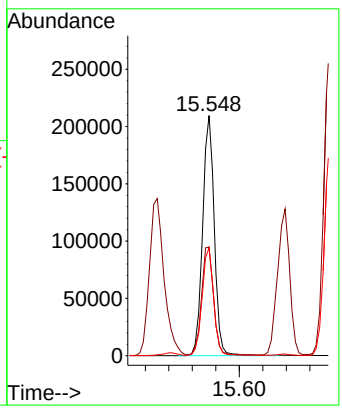




#65
4,6-Dinitro-2-methylphenol
Concen: 51.785 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:198 Resp: 28739

Ion	Ratio	Lower	Upper
198	100		
51	45.3	19.6	59.6
105	44.9	20.9	60.9



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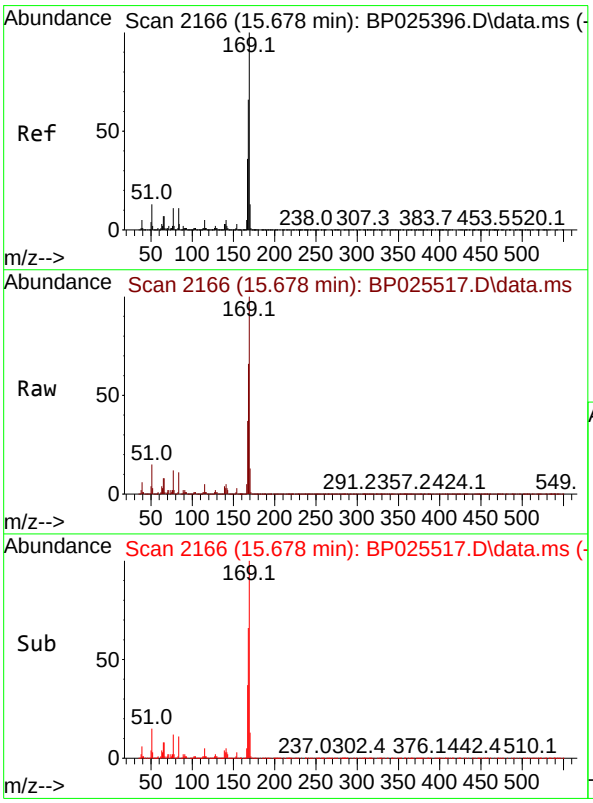
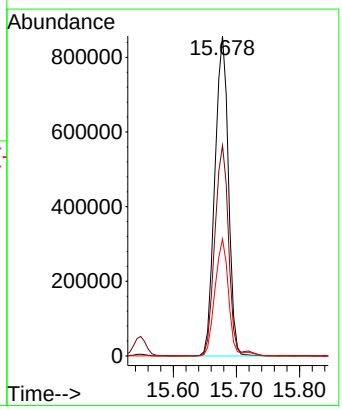
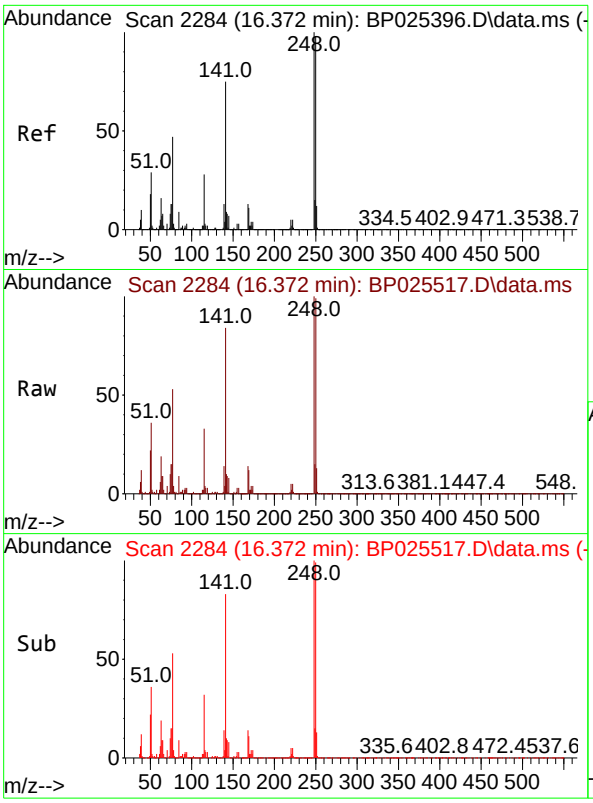


#66
n-Nitrosodiphenylamine
Concen: 46.939 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:169 Resp: 1274387

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.2	79.8
167	36.6	28.7	43.1

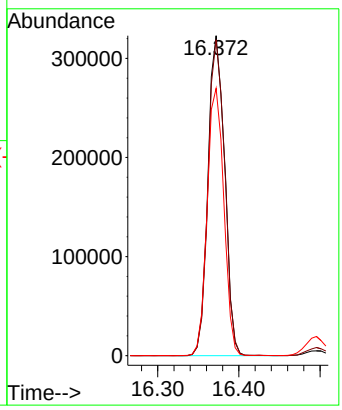




#67
4-Bromophenyl-phenylether
Concen: 47.077 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:248 Resp: 46097

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.2	117.2
141	83.6	59.6	89.4



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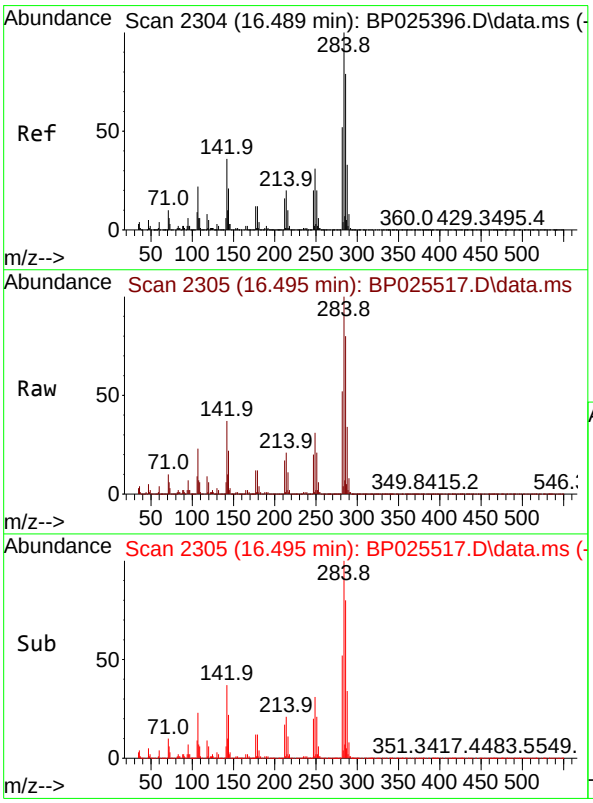
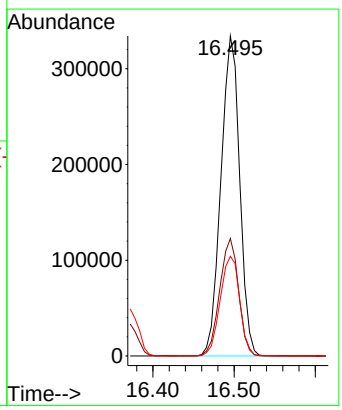
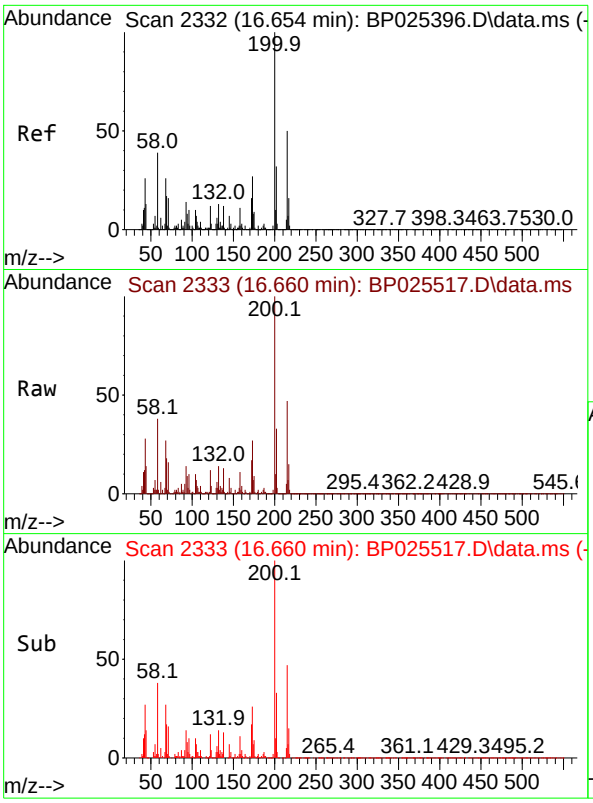


#68
Hexachlorobenzene
Concen: 47.319 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:284 Resp: 537114

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.1	43.7
249	31.2	25.0	37.4

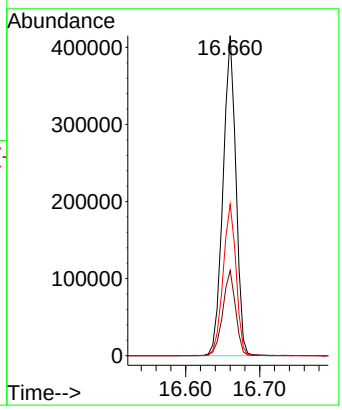




#69
Atrazine
Concen: 49.377 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:200 Resp: 50204

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.7	46.7
215	47.4	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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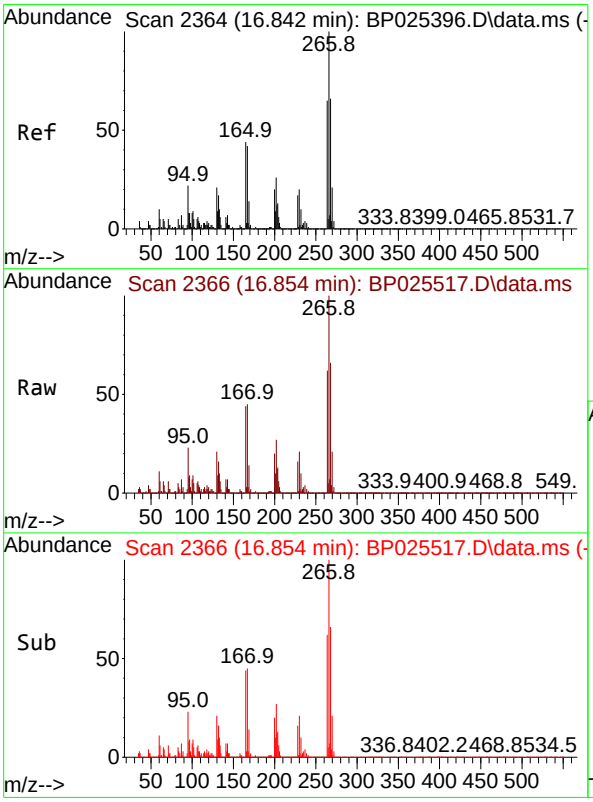
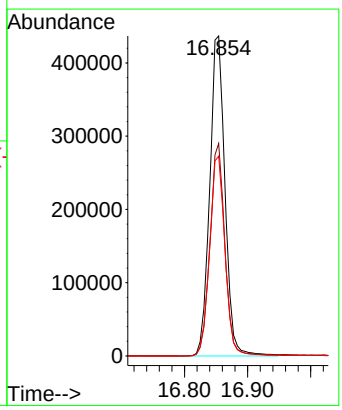
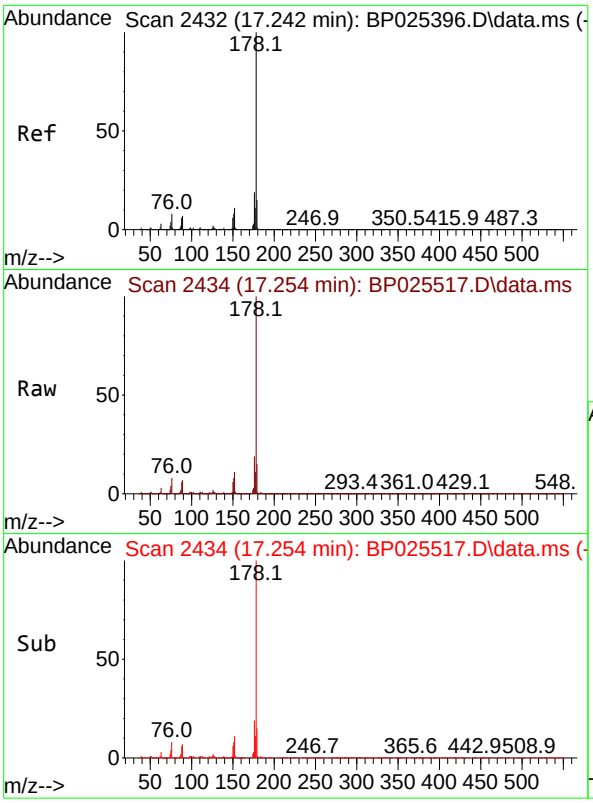


#70
Pentachlorophenol
Concen: 102.305 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:266 Resp: 733038

Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	62.5	52.0	78.0

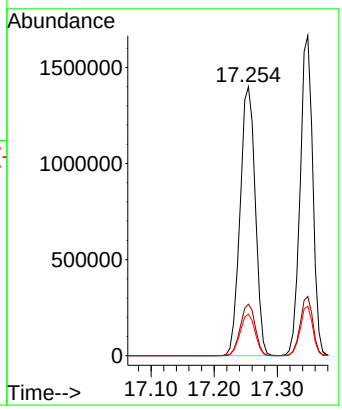




#71
Phenanthrene
Concen: 47.697 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:178 Resp: 233278

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.4	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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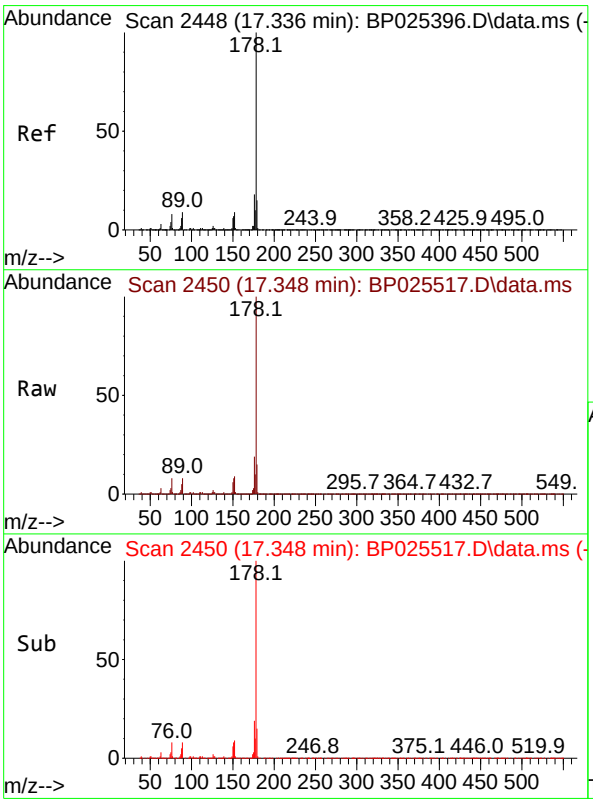
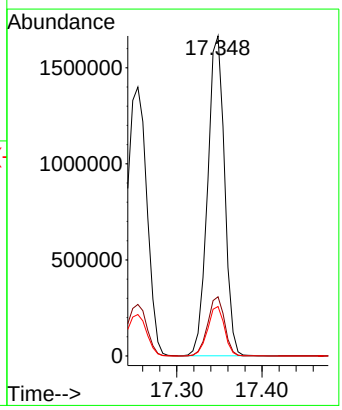
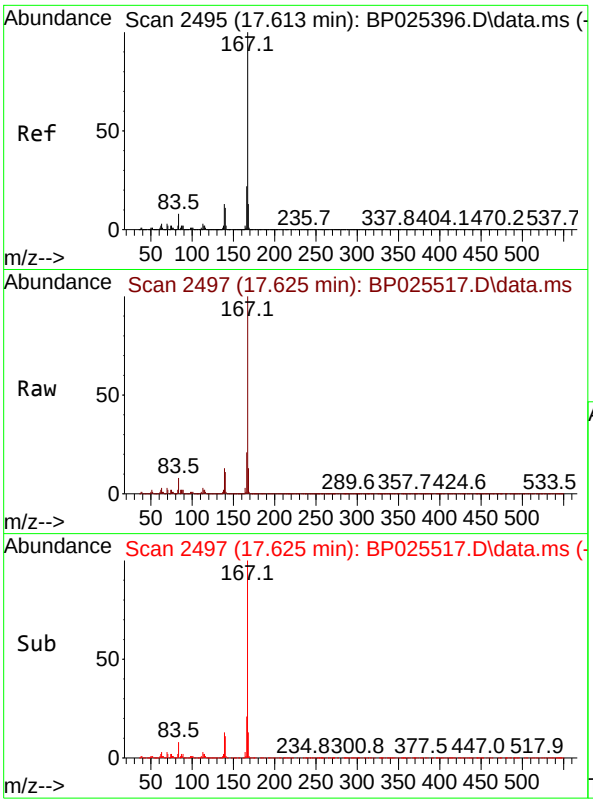


#72
Anthracene
Concen: 46.121 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:178 Resp: 2303551

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.2	18.2

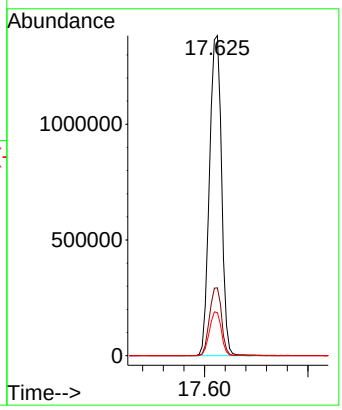




#73
Carbazole
Concen: 47.601 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:167 Resp: 223933

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.5	10.6	16.0



Instrument :
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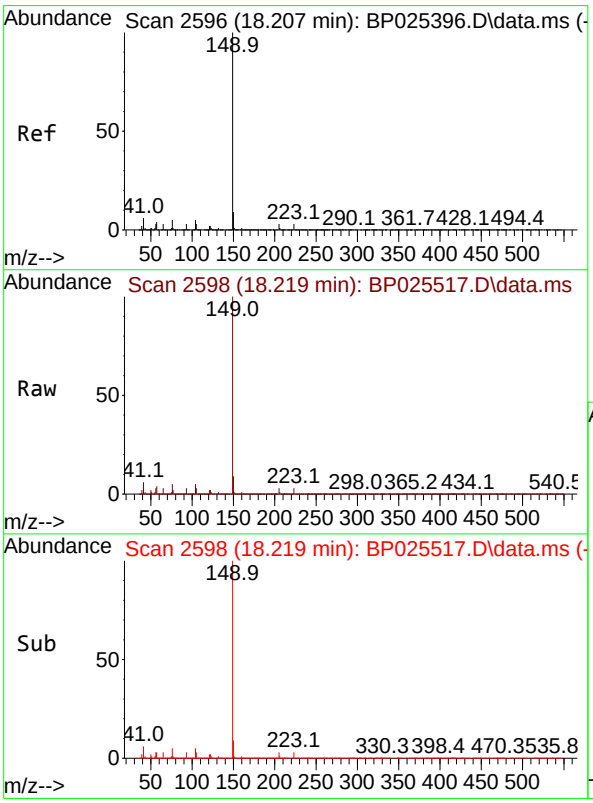
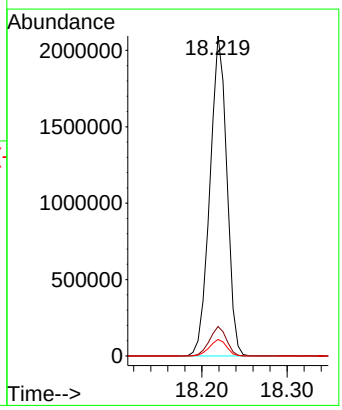
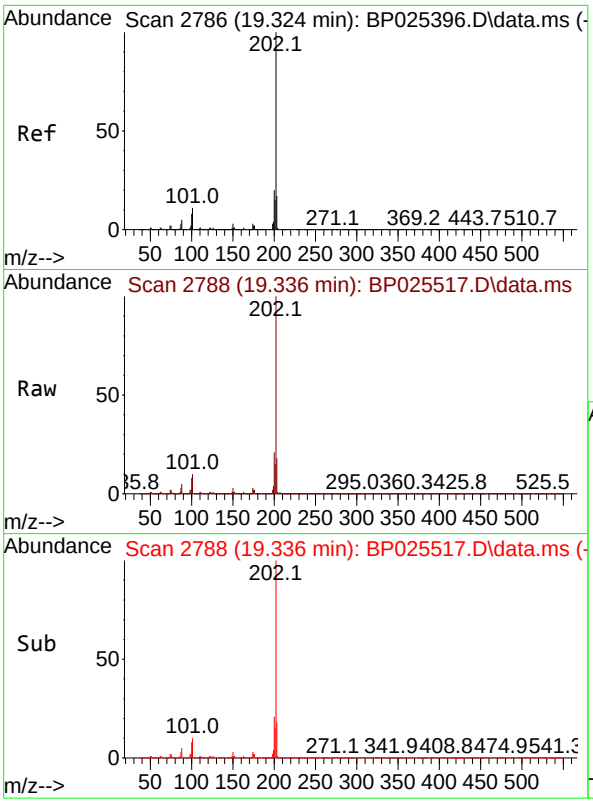


#74
Di-n-butylphthalate
Concen: 49.977 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 2892663

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2





#75
Fluoranthene
Concen: 47.653 ng
RT: 19.336 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:202 Resp: 278002

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.7	0.0	37.3

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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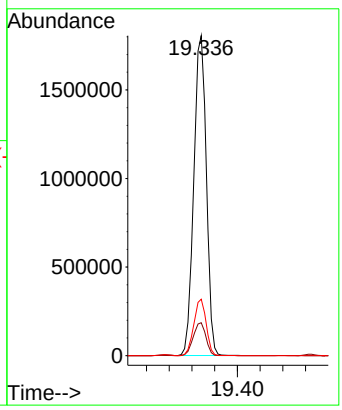
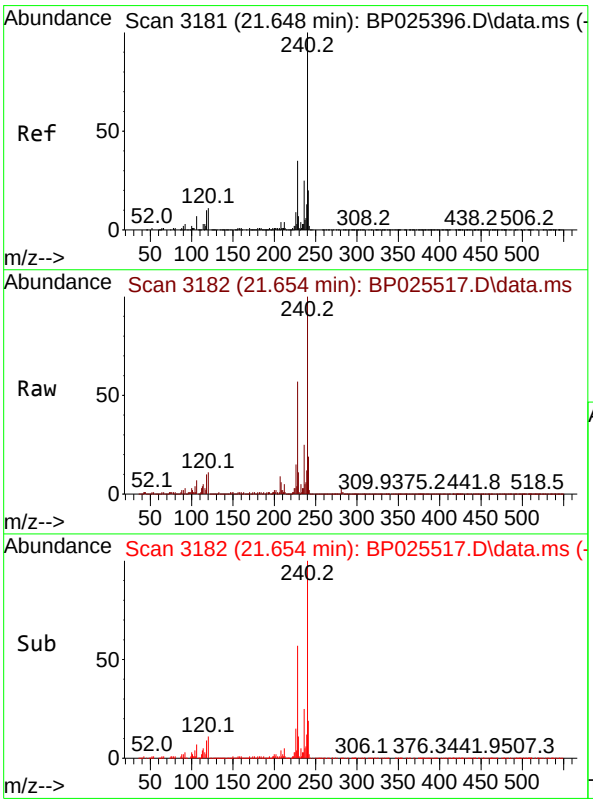
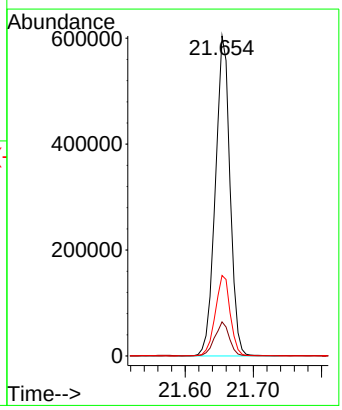


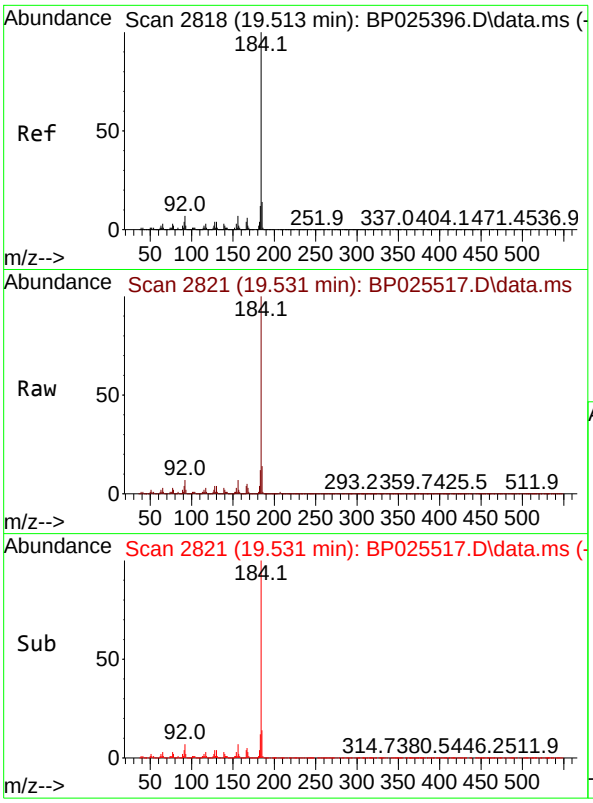


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:240 Resp: 903947

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.1	19.8	29.8

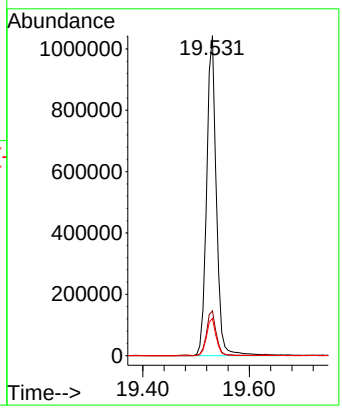




#77
Benzidine
Concen: 42.524 ng
RT: 19.531 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:184 Resp: 131186

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.7	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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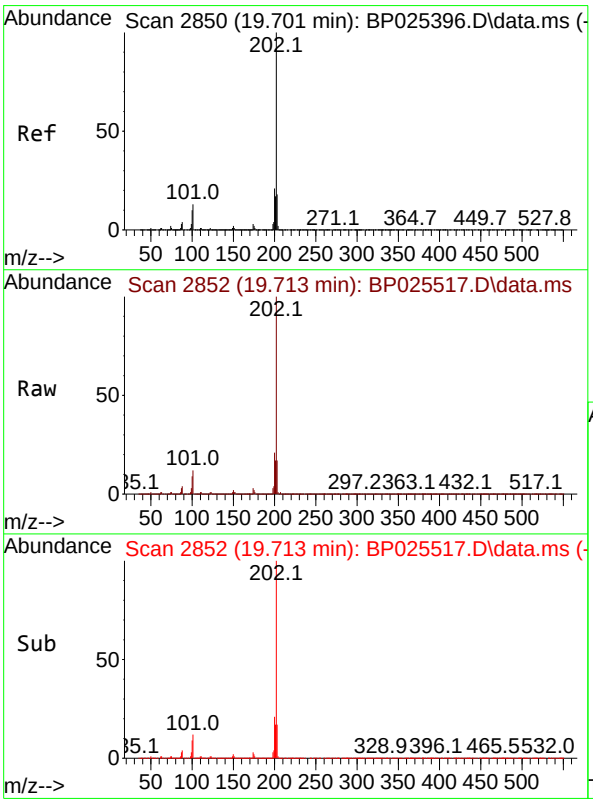
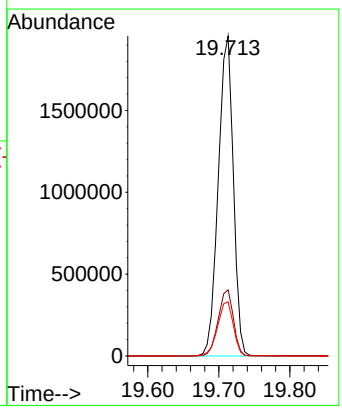
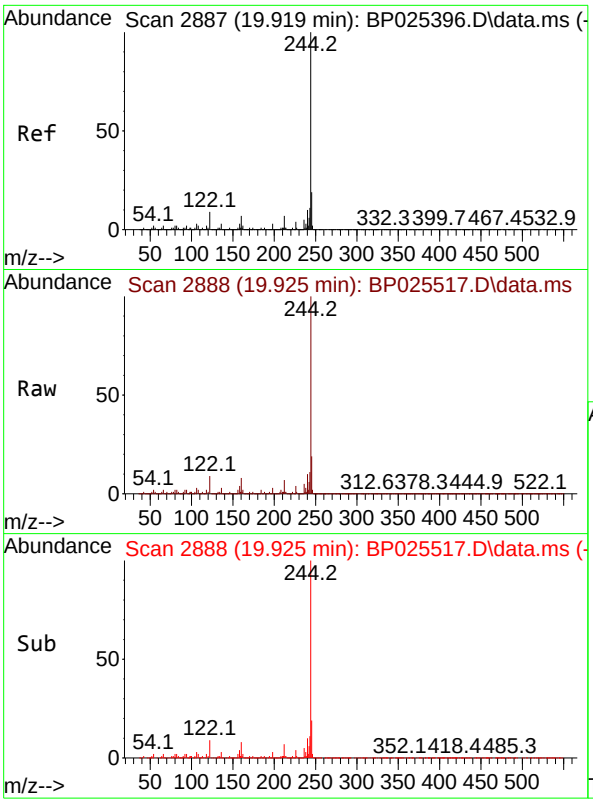


#78
Pyrene
Concen: 48.721 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:202 Resp: 2862551

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	16.9	14.2	21.2

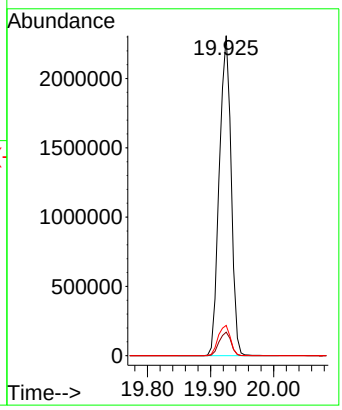




#79
Terphenyl-d14
Concen: 60.718 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:244 Resp: 299990

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.4	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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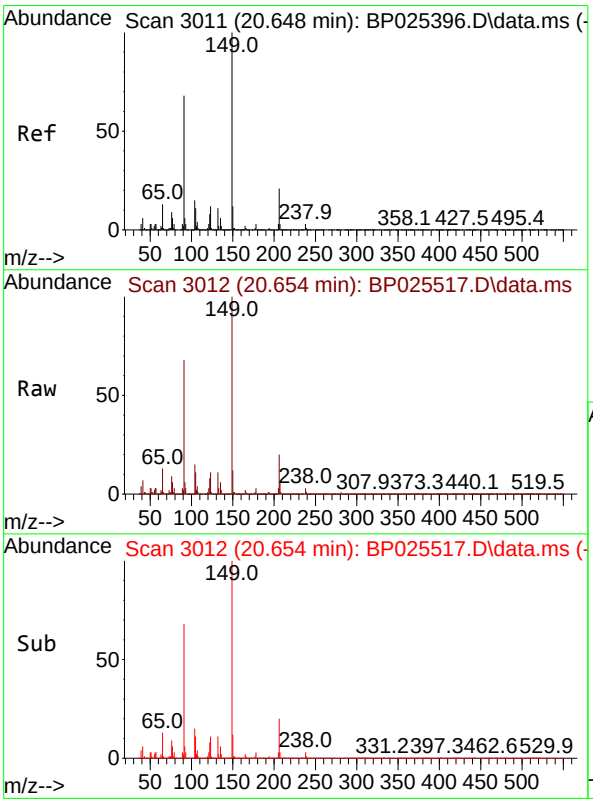
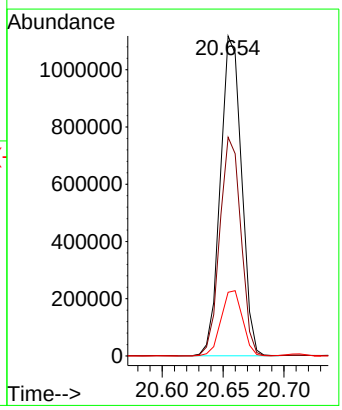
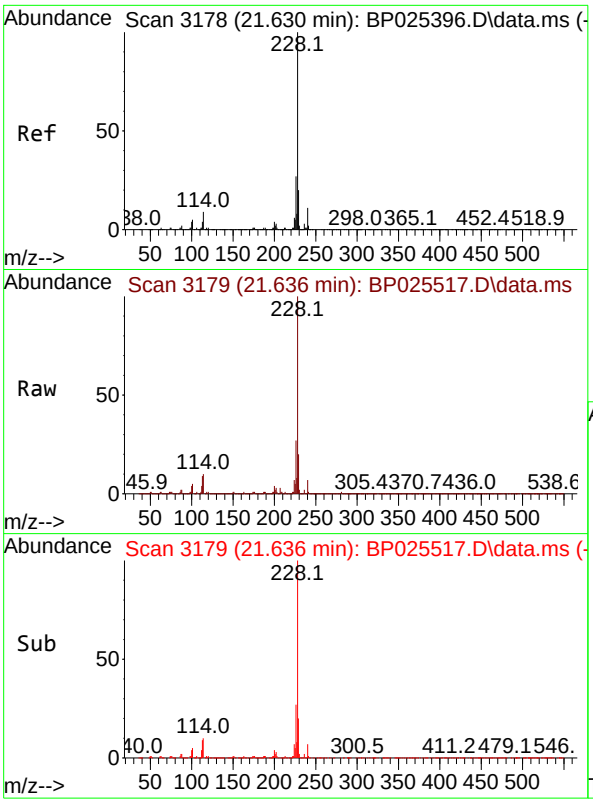


#80
Butylbenzylphthalate
Concen: 50.777 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1352098

Ion	Ratio	Lower	Upper
149	100		
91	68.4	54.2	81.2
206	19.9	16.6	24.8

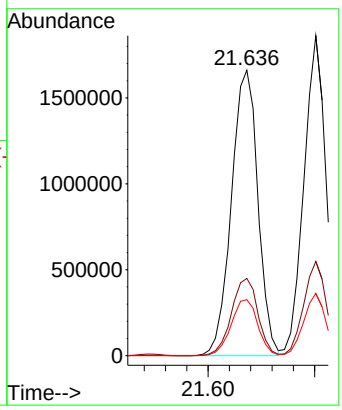




#81
Benzo(a)anthracene
Concen: 48.153 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:228 Resp: 287065

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.6	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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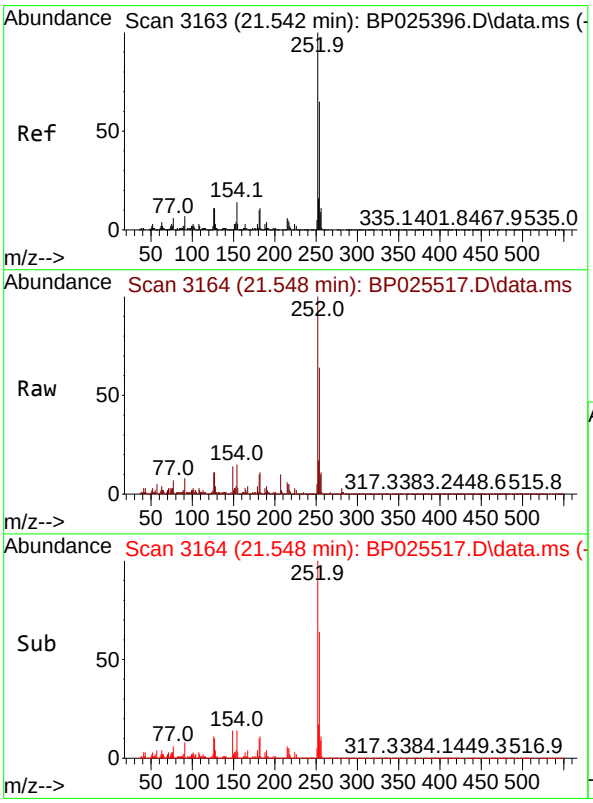
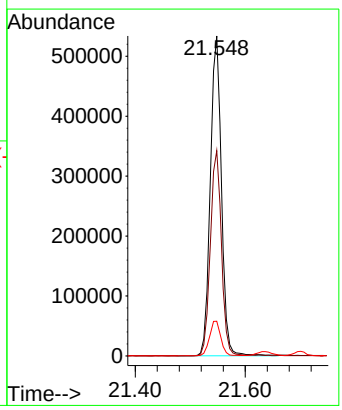
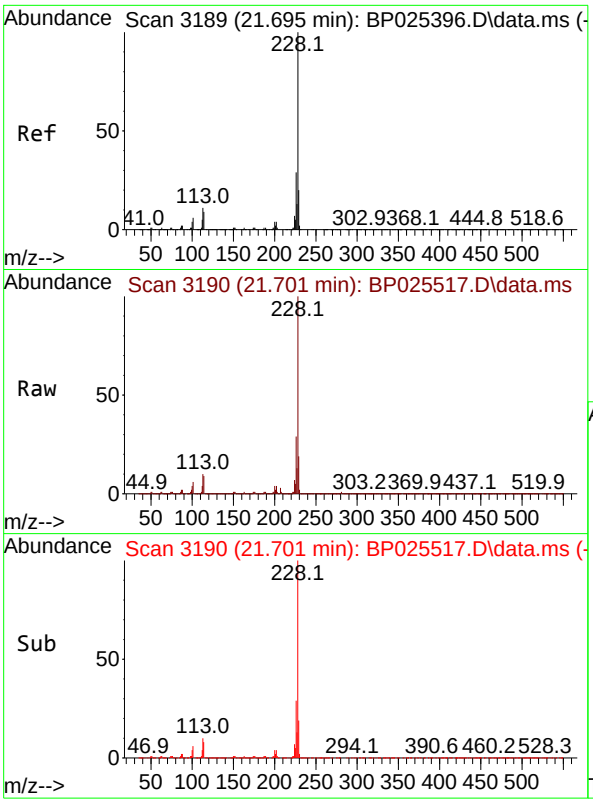


#82
3,3'-Dichlorobenzidine
Concen: 33.263 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 747438

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	10.8	9.1	13.7

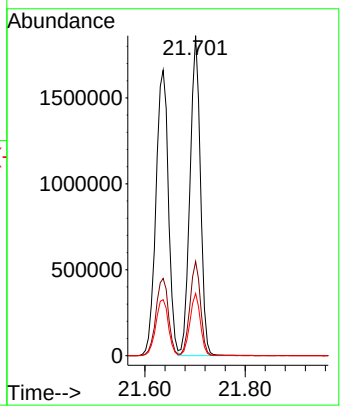




#83
Chrysene
Concen: 48.078 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:228 Resp: 268418

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.5	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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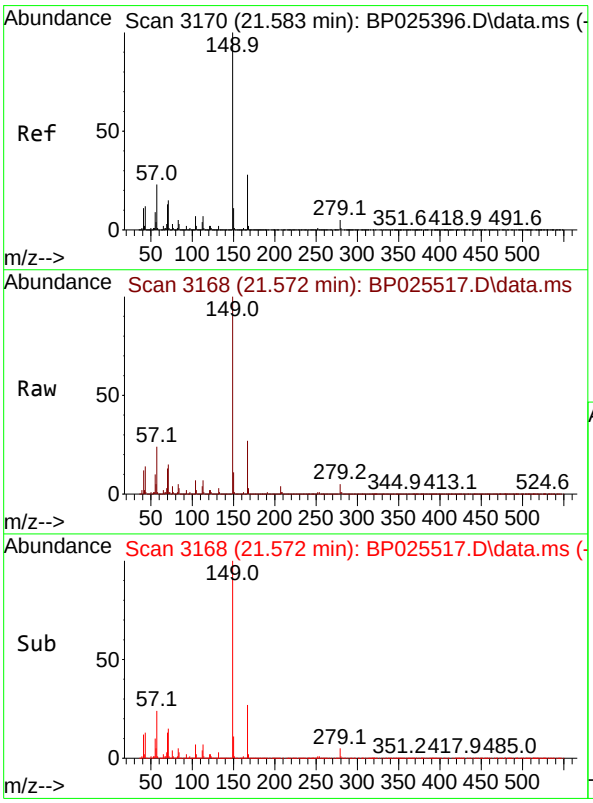
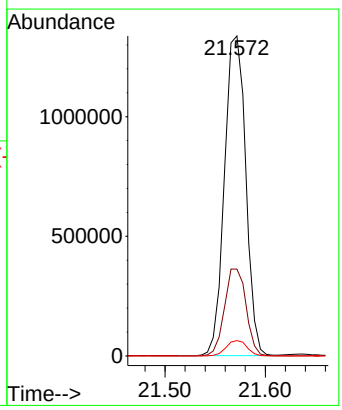
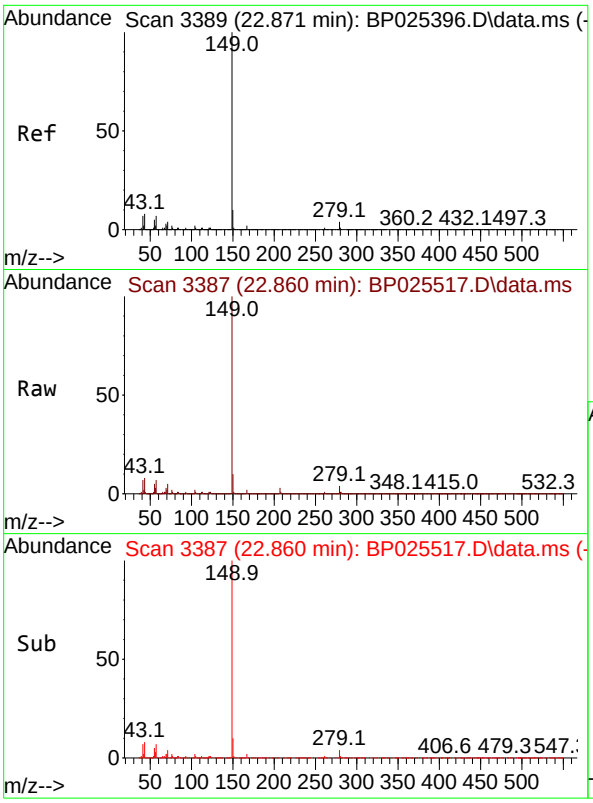


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.332 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1972886

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.8	3.8	5.6

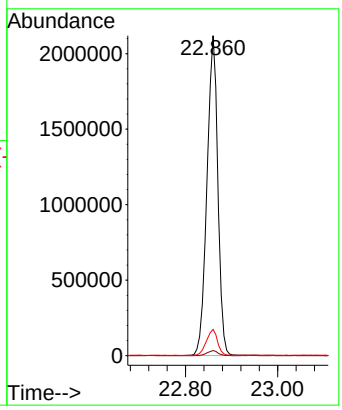




#85
Di-n-octyl phthalate
Concen: 51.668 ng
RT: 22.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 348354

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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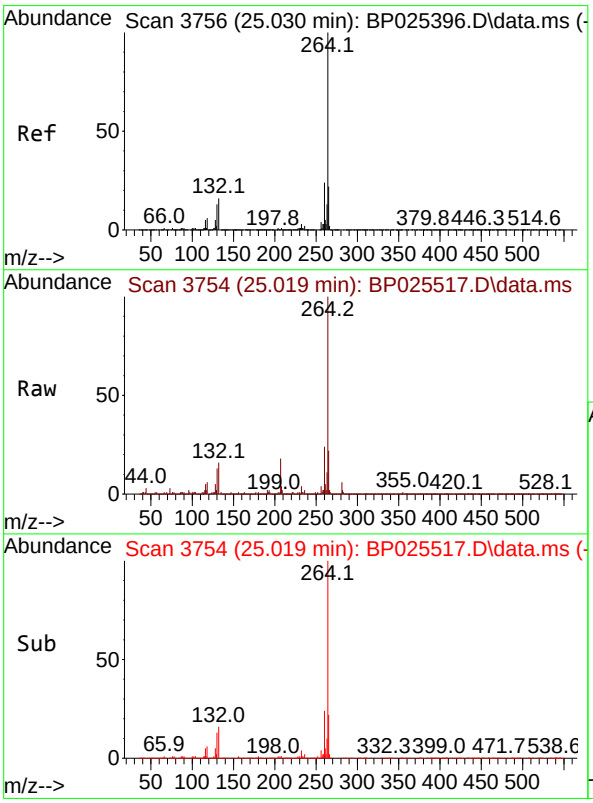
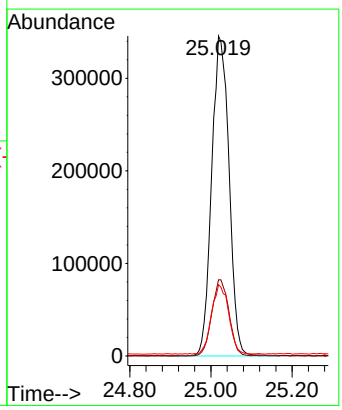
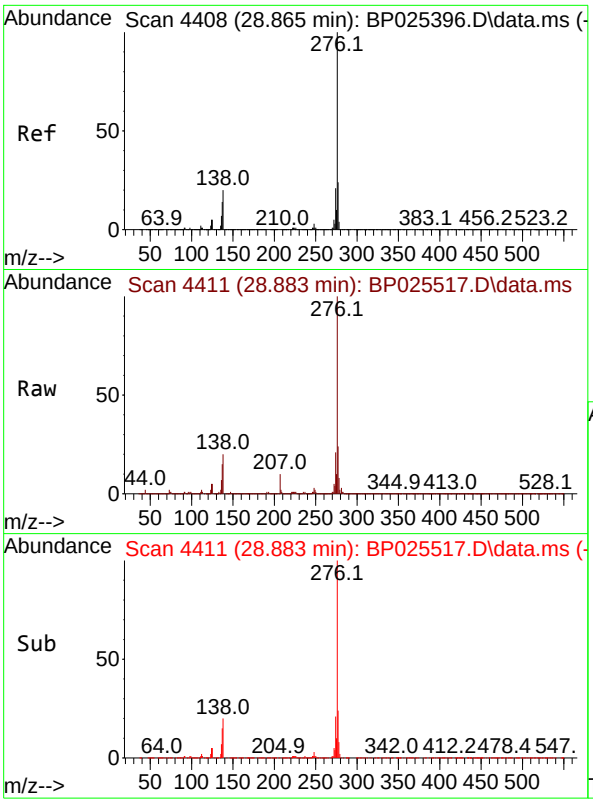


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:264 Resp: 1025346

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.3	17.4	26.0

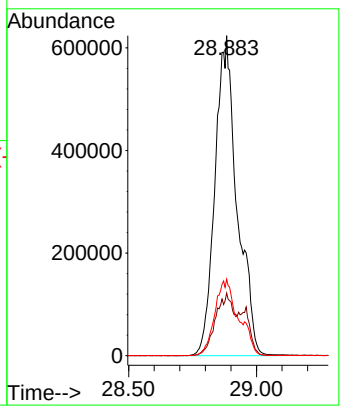




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.927 ng m
RT: 28.883 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:276 Resp: 375426

Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.9	19.3
277	11.5	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

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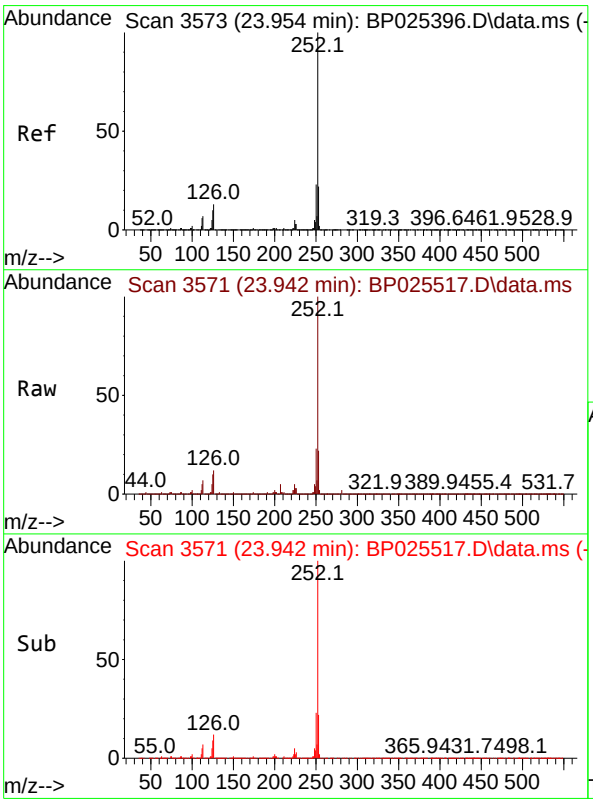
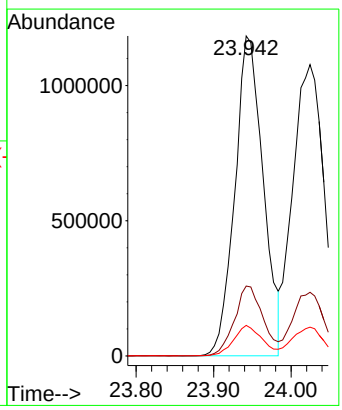
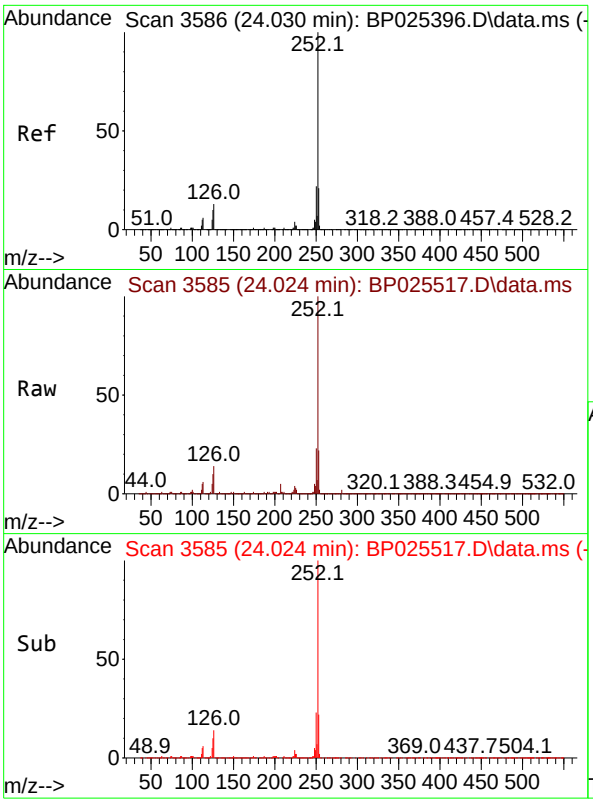


#88
Benzo(b)fluoranthene
Concen: 49.886 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 3016187

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.6	7.9	11.9

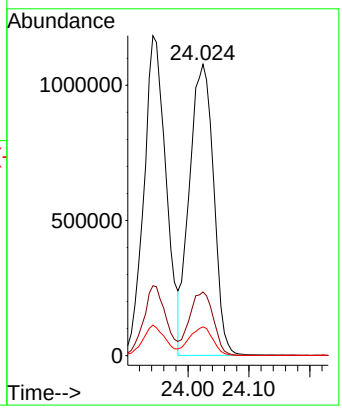




#89
Benzo(k)fluoranthene
Concen: 49.184 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 297579

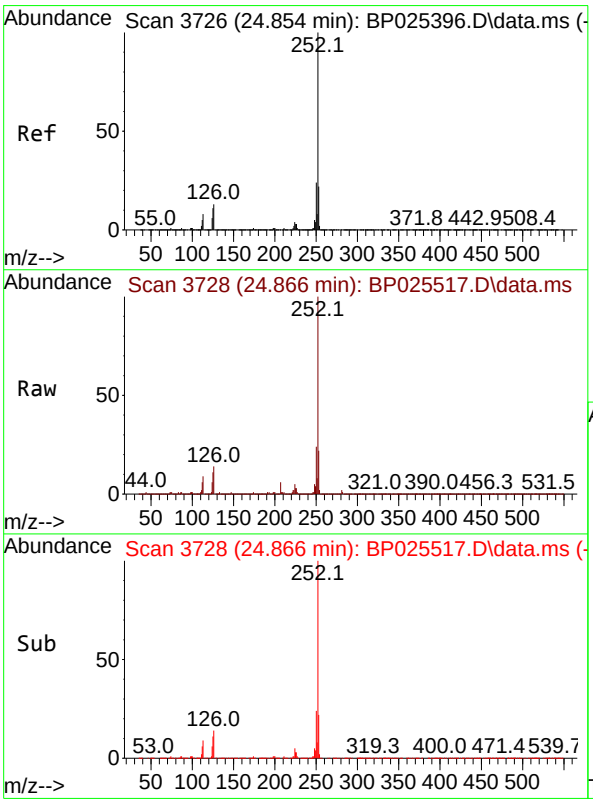
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.9	7.8	11.6



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Manual Integrations
APPROVED

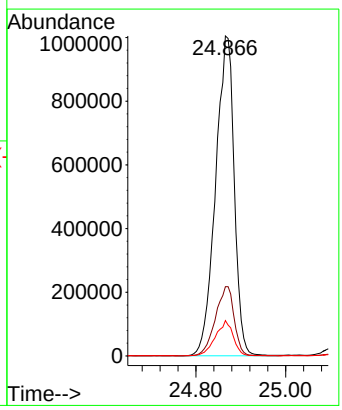
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

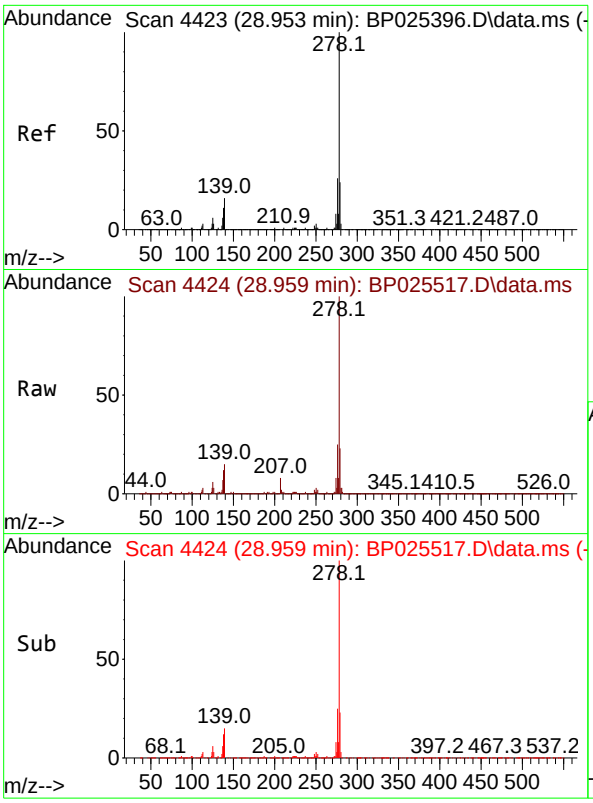


#90
Benzo(a)pyrene
Concen: 49.381 ng
RT: 24.866 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 2906291

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.0	8.7	13.1

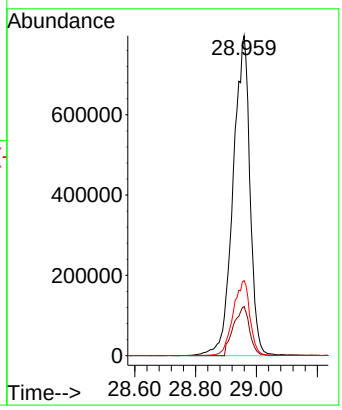




#91
Dibenzo(a,h)anthracene
Concen: 49.809 ng
RT: 28.959 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:278 Resp: 306077

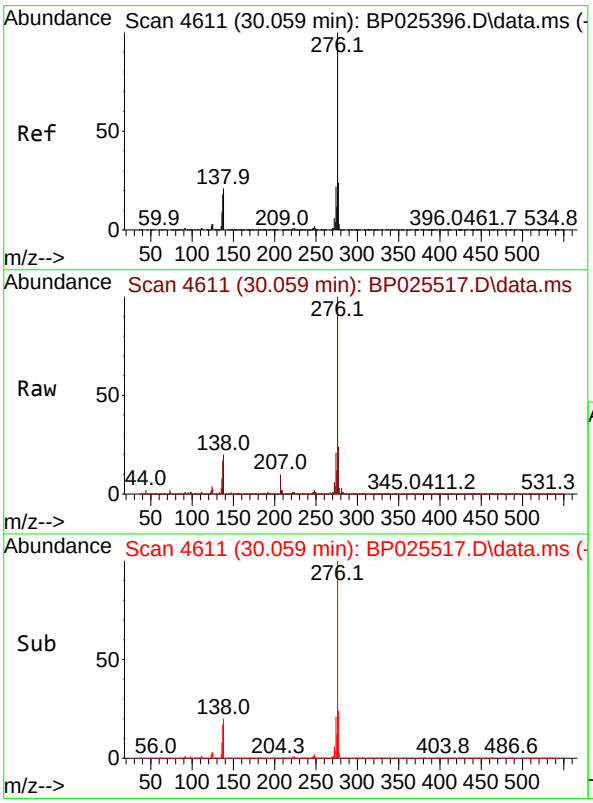
Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	23.4	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Manual Integrations
APPROVED

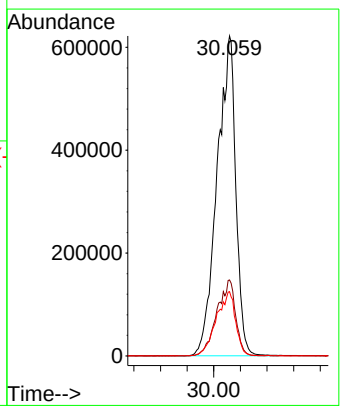
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 50.261 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:276 Resp: 3035965

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	20.1	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		190	330	400	ug/Kg
108-95-2	Phenol	1900		26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	1900		29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	1900		36.1	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		45.3	160	210	ug/Kg
98-86-2	Acetophenone	1800		35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		49.7	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.3	96.7	96.7	ug/Kg
67-72-1	Hexachloroethane	1700		21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	1800		22.1	160	210	ug/Kg
78-59-1	Isophorone	1800		39.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	1900		70.3	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		78.3	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		34.2	160	210	ug/Kg
91-20-3	Naphthalene	1800		27.4	160	210	ug/Kg
106-47-8	4-Chloroaniline	1000		42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1800		30.6	160	210	ug/Kg
105-60-2	Caprolactam	1900		63.0	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1800		30.9	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		35.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		26.3	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	2000		58.1	160	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.8	160	210	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		34.9	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	1300		55.6	160	210	ug/Kg
83-32-9	Acenaphthene	1800		25.7	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	4000	E	130	330	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		60.6	160	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		32.3	160	210	ug/Kg
86-73-7	Fluorene	1800		30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	1800		77.6	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.6	160	210	ug/Kg
1912-24-9	Atrazine	1900		41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	4000	E	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	1800		25.3	160	210	ug/Kg
120-12-7	Anthracene	1800		40.2	160	210	ug/Kg
86-74-8	Carbazole	1900		37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1900		57.9	160	210	ug/Kg
206-44-0	Fluoranthene	1900		36.3	160	210	ug/Kg
129-00-0	Pyrene	1800		43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		86.3	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		44.4	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.8	160	210	ug/Kg
218-01-9	Chrysene	1900		24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		71.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		23.0	160	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		35.2	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.9	160	210	ug/Kg
123-91-1	1,4-Dioxane	1500		54.6	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		33.1	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.1		35 - 115		59%	SPK: 150
13127-88-3	Phenol-d6	89.6		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.5		37 - 122		55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.8		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.7		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	48.8	*	54 - 127		49%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	152000	7.795				
1146-65-2	Naphthalene-d8	612000	10.56				
15067-26-2	Acenaphthene-d10	408000	14.407				
1517-22-2	Phenanthrene-d10	838000	17.201				
1719-03-5	Chrysene-d12	922000	21.648				
1520-96-3	Perylene-d12	1090000	25.024				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.795	152	152229	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	611748	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	408254	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	837667	20.000	ng		0.00
76) Chrysene-d12	21.648	240	921761	20.000	ng		0.00
86) Perylene-d12	25.024	264	1086411	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.407	112	807645	88.108	ng		0.00
7) Phenol-d6	6.966	99	1053520	89.644	ng		0.00
23) Nitrobenzene-d5	8.931	82	659161	54.506	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	493086	89.731	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1517679	50.806	ng		0.00
79) Terphenyl-d14	19.912	244	2460926	48.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	133387	37.150	ng		98
3) Pyridine	3.731	79	373071	37.962	ng		98
4) n-Nitrosodimethylamine	3.637	42	180846	44.636	ng		97
6) Aniline	7.125	93	562721	35.538	ng		99
8) 2-Chlorophenol	7.366	128	489929	47.363	ng		99
9) Benzaldehyde	6.937	77	223121	27.098	ng		100
10) Phenol	6.995	94	592156	48.018	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	412250	42.890	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492466	43.176	ng		99
13) 1,4-Dichlorobenzene	7.825	146	503812	43.215	ng		99
14) 1,2-Dichlorobenzene	8.142	146	489651	43.388	ng		99
15) Benzyl Alcohol	8.025	79	431125	46.169	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	548076	42.566	ng		98
17) 2-Methylphenol	8.225	107	403259	47.084	ng		99
18) Hexachloroethane	8.860	117	184490	43.040	ng		97
19) n-Nitroso-di-n-propyla...	8.583	70	329547	42.334	ng		99
20) 3+4-Methylphenols	8.548	107	552270	46.519	ng		96
22) Acetophenone	8.601	105	691731	45.089	ng	#	99
24) Nitrobenzene	8.966	77	492167	45.537	ng		99
25) Isophorone	9.495	82	936982	43.780	ng		98
26) 2-Nitrophenol	9.672	139	261087	47.070	ng		97
27) 2,4-Dimethylphenol	9.736	122	464398	48.685	ng		100
28) bis(2-Chloroethoxy)met...	9.966	93	571301	44.160	ng		99
29) 2,4-Dichlorophenol	10.207	162	463126	48.875	ng		97
30) 1,2,4-Trichlorobenzene	10.419	180	465232	44.788	ng		97
31) Naphthalene	10.613	128	1414587	44.490	ng		100
32) Benzoic acid	9.878	122	351527	49.917	ng		99
33) 4-Chloroaniline	10.707	127	356528	25.385	ng		99
34) Hexachlorobutadiene	10.901	225	286611	44.305	ng		97
35) Caprolactam	11.501	113	165259m	47.563	ng		
36) 4-Chloro-3-methylphenol	11.836	107	529393	48.688	ng		96
37) 2-Methylnaphthalene	12.213	142	931832	45.034	ng		98
38) 1-Methylnaphthalene	12.436	142	968839	44.028	ng		99
40) 1,2,4,5-Tetrachloroben...	12.583	216	528206	44.798	ng		98
41) Hexachlorocyclopentadiene	12.566	237	642432	90.202	ng		99
43) 2,4,6-Trichlorophenol	12.824	196	385328	48.407	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	422320	48.409	ng	98
46) 1,1'-Biphenyl	13.230	154	1333915	44.989	ng	98
47) 2-Chloronaphthalene	13.266	162	1048414	45.421	ng	99
48) 2-Nitroaniline	13.466	65	327216	48.653	ng	97
49) Acenaphthylene	14.124	152	1741031	45.584	ng	100
50) Dimethylphthalate	13.854	163	1353224	45.264	ng	99
51) 2,6-Dinitrotoluene	13.966	165	297925	47.281	ng	99
52) Acenaphthene	14.477	154	990506	44.181	ng	99
53) 3-Nitroaniline	14.295	138	220431	31.093	ng	97
54) 2,4-Dinitrophenol	14.513	184	345806	102.765	ng	99
55) Dibenzofuran	14.813	168	1593114	44.946	ng	98
56) 4-Nitrophenol	14.618	139	576733	98.999	ng	98
57) 2,4-Dinitrotoluene	14.771	165	438365	48.760	ng	100
58) Fluorene	15.465	166	1236469	44.209	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	374896	48.668	ng	99
60) Diethylphthalate	15.242	149	1388142	45.696	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	620466	44.606	ng	99
62) 4-Nitroaniline	15.477	138	329615	45.352	ng	95
63) Azobenzene	15.754	77	1306069	50.212	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	246584	47.224	ng	95
66) n-Nitrosodiphenylamine	15.671	169	1133759	44.385	ng	100
67) 4-Bromophenyl-phenylether	16.371	248	412290	44.752	ng	98
68) Hexachlorobenzene	16.489	284	482237	45.155	ng	98
69) Atrazine	16.648	200	444039	46.417	ng	99
70) Pentachlorophenol	16.848	266	677601	100.512	ng	96
71) Phenanthrene	17.248	178	2085270	45.316	ng	99
72) Anthracene	17.330	178	2098232	44.651	ng	99
73) Carbazole	17.612	167	2047401	46.257	ng	99
74) Di-n-butylphthalate	18.212	149	2532382	46.503	ng	100
75) Fluoranthene	19.330	202	2558146	46.606	ng	99
77) Benzidine	19.512	184	1446263	45.975	ng	100
78) Pyrene	19.706	202	2628017	43.865	ng	99
80) Butylbenzylphthalate	20.653	149	1280380	47.155	ng	97
81) Benzo(a)anthracene	21.624	228	2800265	46.064	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	640279	27.944	ng	99
83) Chrysene	21.695	228	2634967	46.284	ng	99
84) Bis(2-ethylhexyl)phtha...	21.565	149	1870070	46.787	ng	99
85) Di-n-octyl phthalate	22.853	149	3288310	47.830	ng	100
87) Indeno(1,2,3-cd)pyrene	28.835	276	3666491m	46.019	ng	
88) Benzo(b)fluoranthene	23.930	252	2936896	45.844	ng	100
89) Benzo(k)fluoranthene	24.012	252	2954085	46.081	ng	98
90) Benzo(a)pyrene	24.853	252	2891770	46.372	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2997319	46.035	ng	99
92) Benzo(g,h,i)perylene	30.024	276	2926520	45.726	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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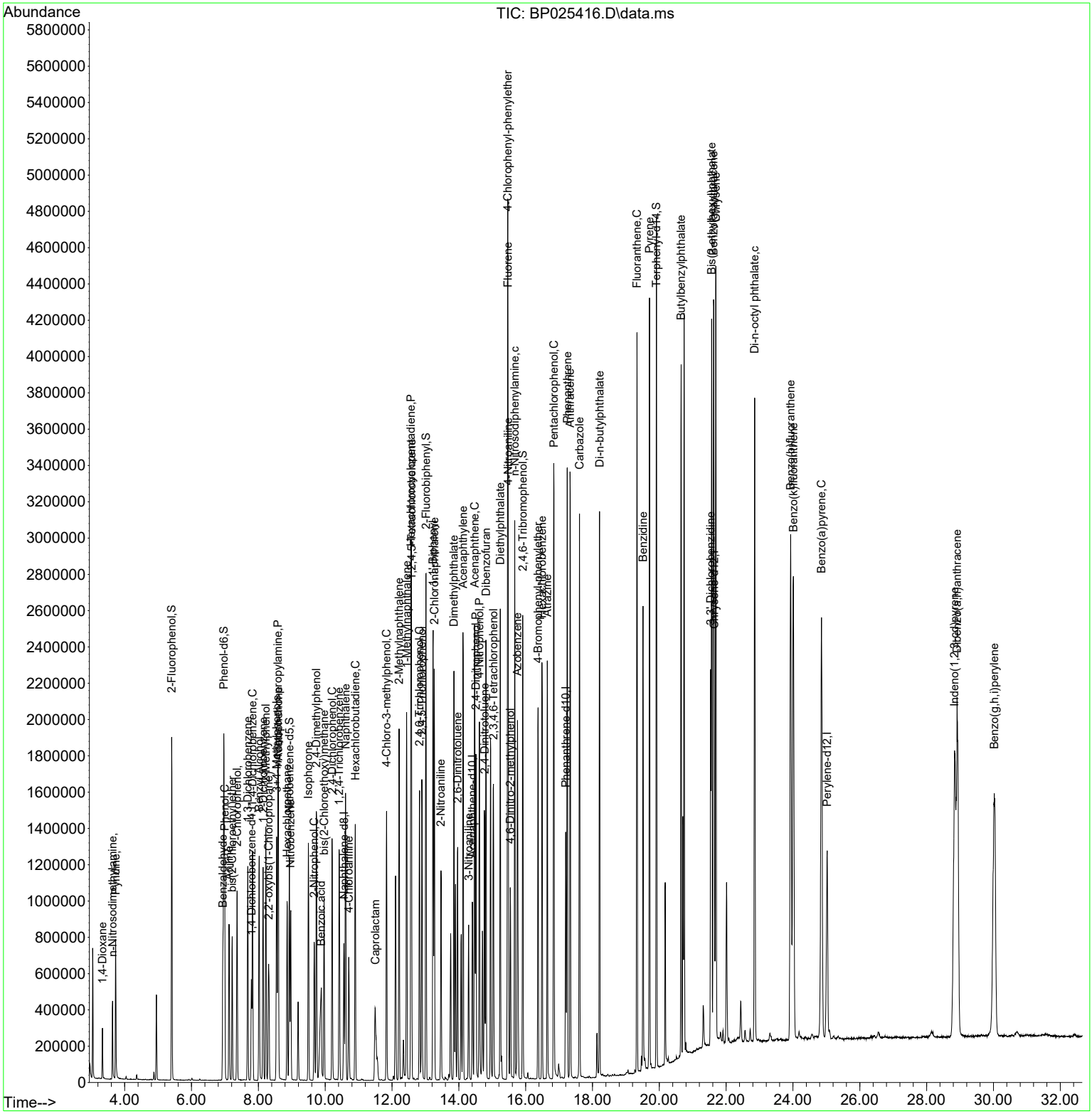
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

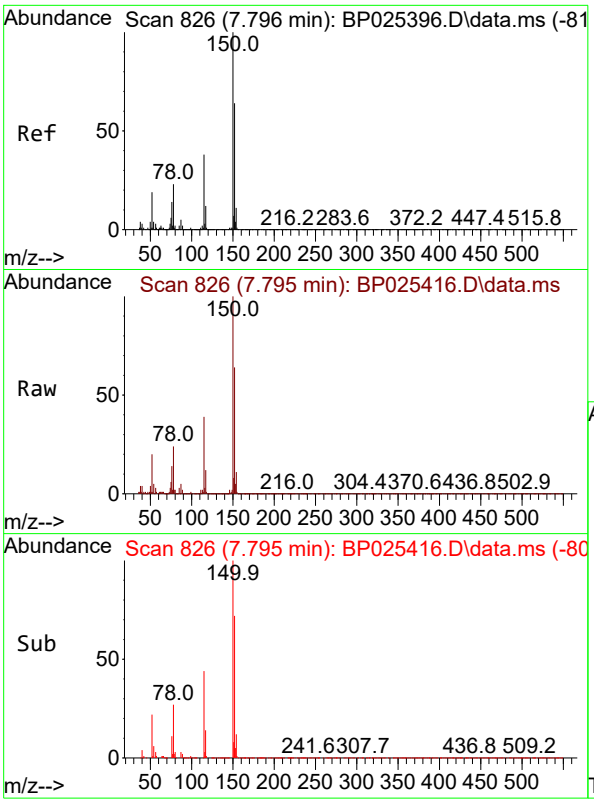
Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

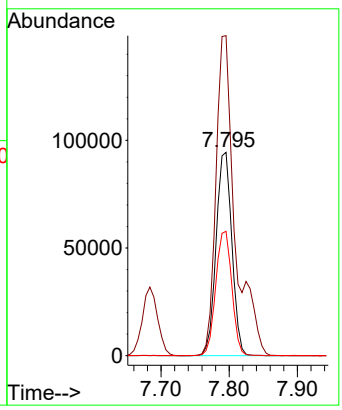




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.795 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:152 Resp: 15222

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	61.1	48.5	72.7



Instrument :
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ClientSampleId :
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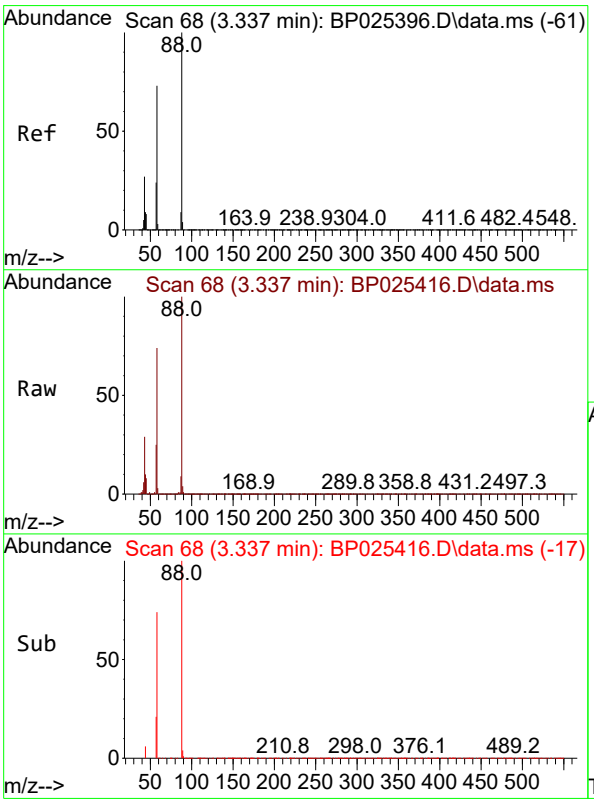
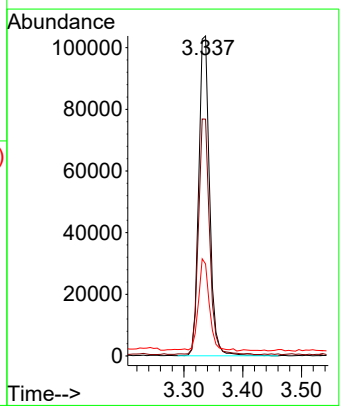
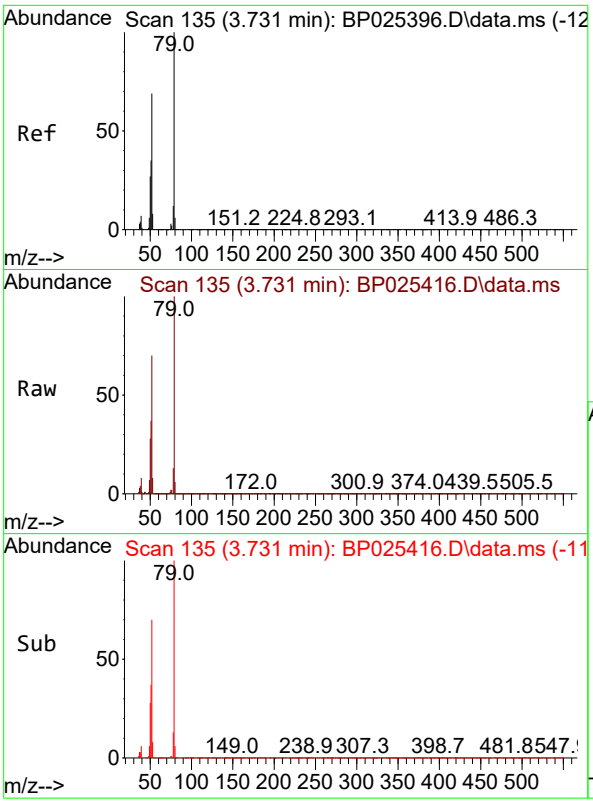


#2
1,4-Dioxane
Concen: 37.150 ng
RT: 3.337 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 88 Resp: 133387

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	28.9	21.7	32.5

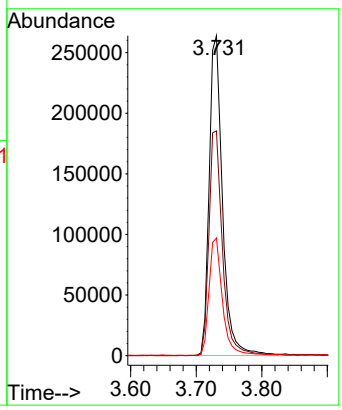




#3
Pyridine
Concen: 37.962 ng
RT: 3.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 79 Resp: 37307

Ion	Ratio	Lower	Upper
79	100		
52	70.3	55.5	83.3
51	36.8	28.3	42.5



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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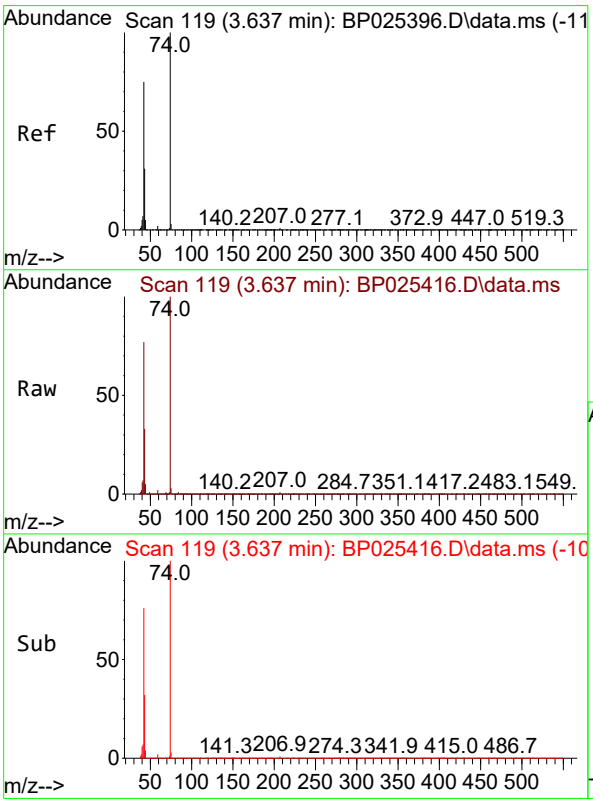
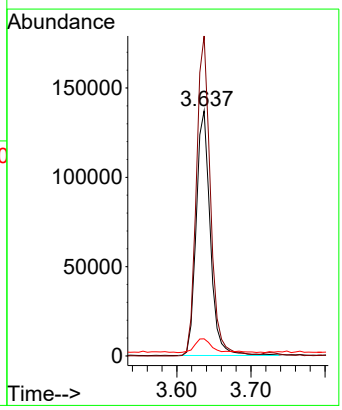
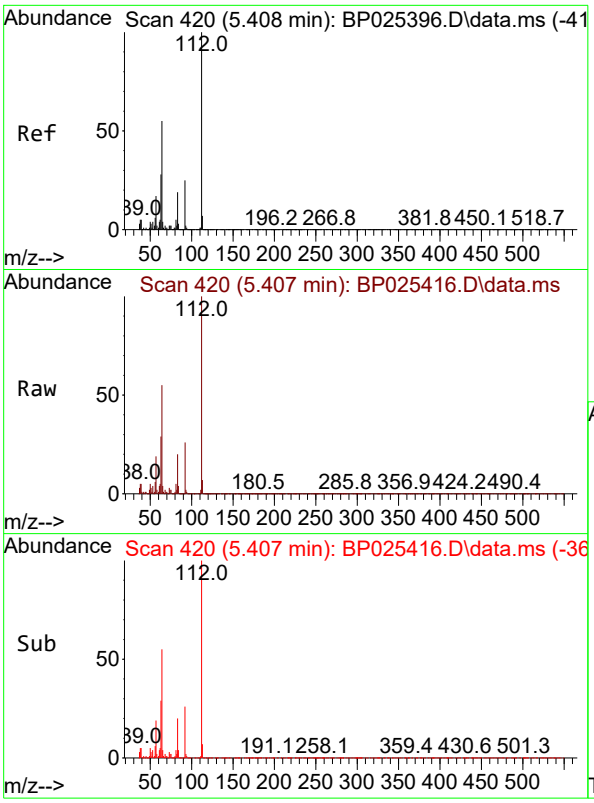


#4
n-Nitrosodimethylamine
Concen: 44.636 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 42 Resp: 180846

Ion	Ratio	Lower	Upper
42	100		
74	130.6	107.0	160.4
44	7.0	6.2	9.4

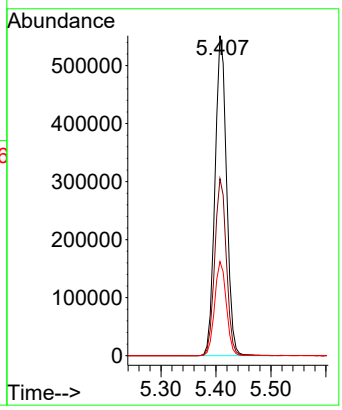




#5
2-Fluorophenol
Concen: 88.108 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:112 Resp: 80764

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.8	65.8
63	29.4	22.7	34.1



Instrument :
BNA_P
ClientSampleId :
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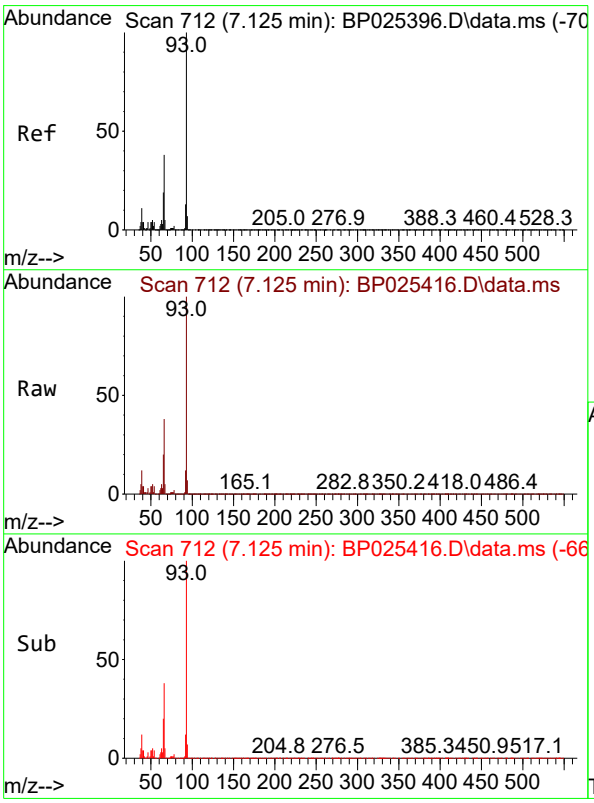
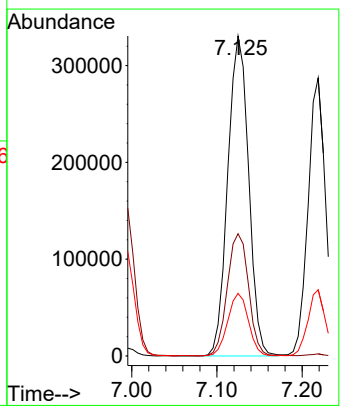
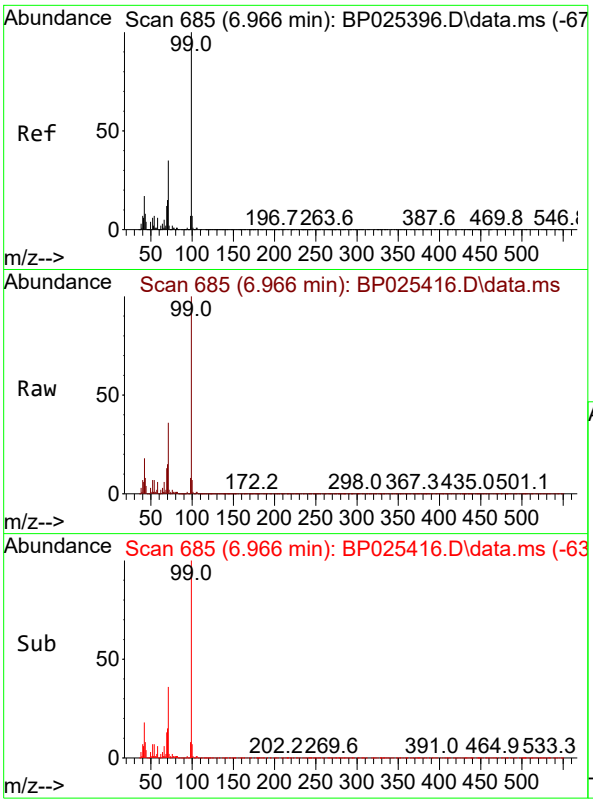


#6
Aniline
Concen: 35.538 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 93 Resp: 562721

Ion	Ratio	Lower	Upper
93	100		
66	38.2	30.4	45.6
65	19.5	15.3	22.9

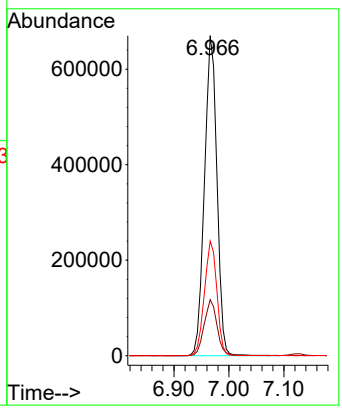




#7
Phenol-d6
Concen: 89.644 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 99 Resp: 105352

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.7	20.5
71	35.8	28.2	42.4



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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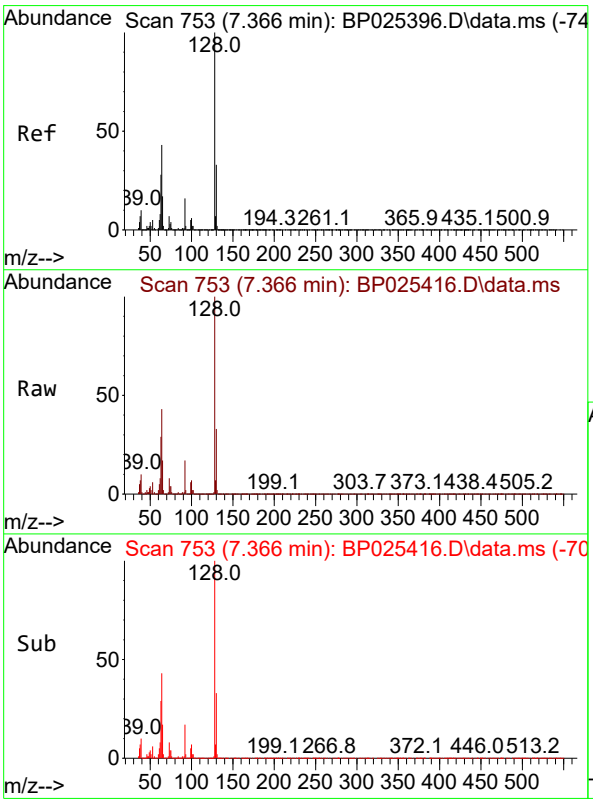
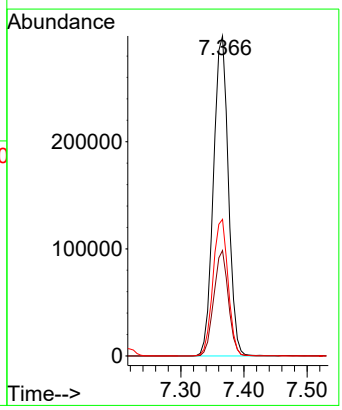
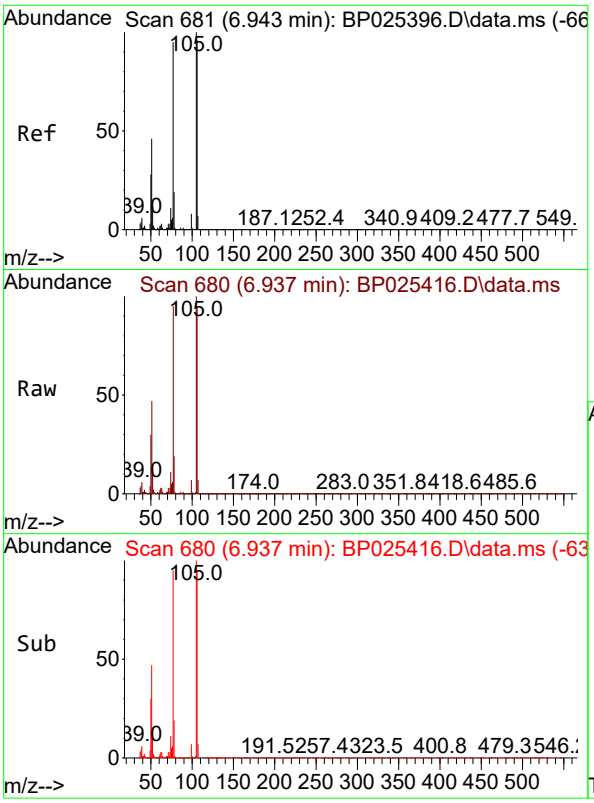


#8
2-Chlorophenol
Concen: 47.363 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:128 Resp: 489929

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	42.7	23.4	63.4

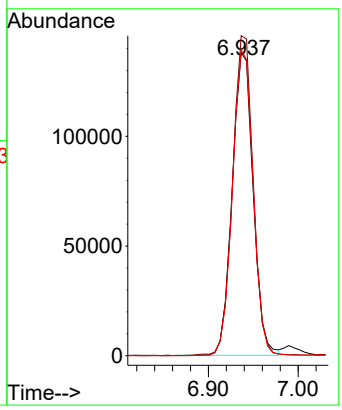




#9
Benzaldehyde
Concen: 27.098 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 77 Resp: 22312

Ion	Ratio	Lower	Upper
77	100		
105	105.6	84.8	124.8
106	100.7	80.5	120.5



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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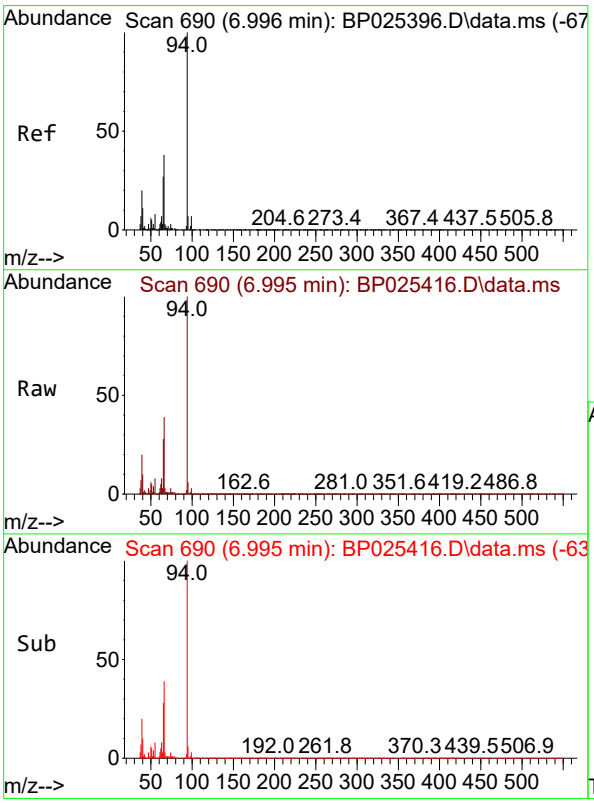
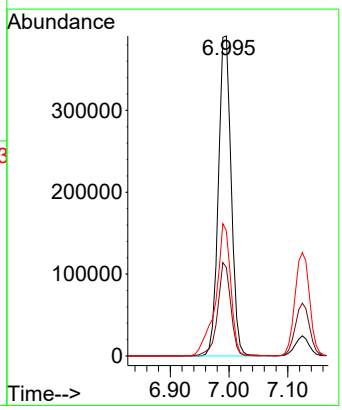
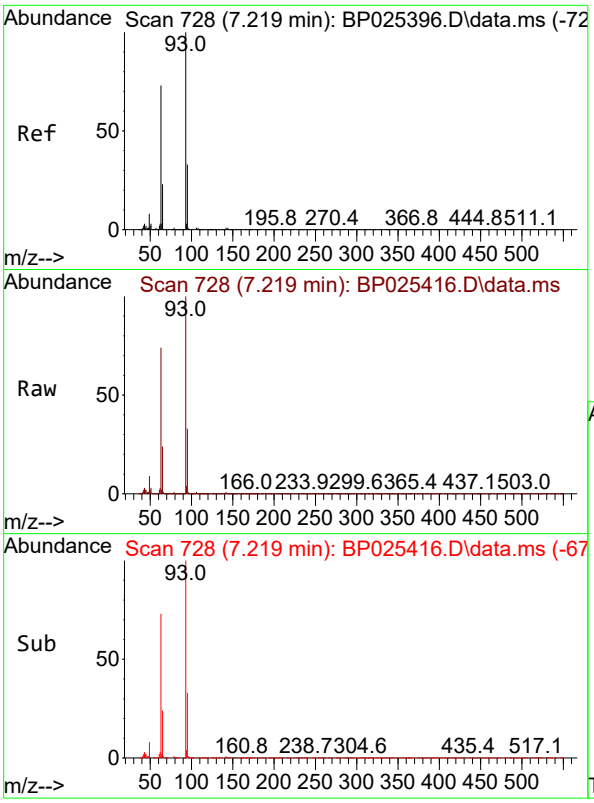


#10
Phenol
Concen: 48.018 ng
RT: 6.995 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 94 Resp: 592156

Ion	Ratio	Lower	Upper
94	100		
65	27.7	6.8	46.8
66	39.1	18.2	58.2

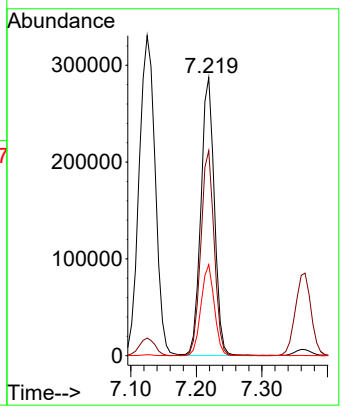




#11
bis(2-Chloroethyl)ether
Concen: 42.890 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 93 Resp: 41225

Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	32.7	12.7	52.7



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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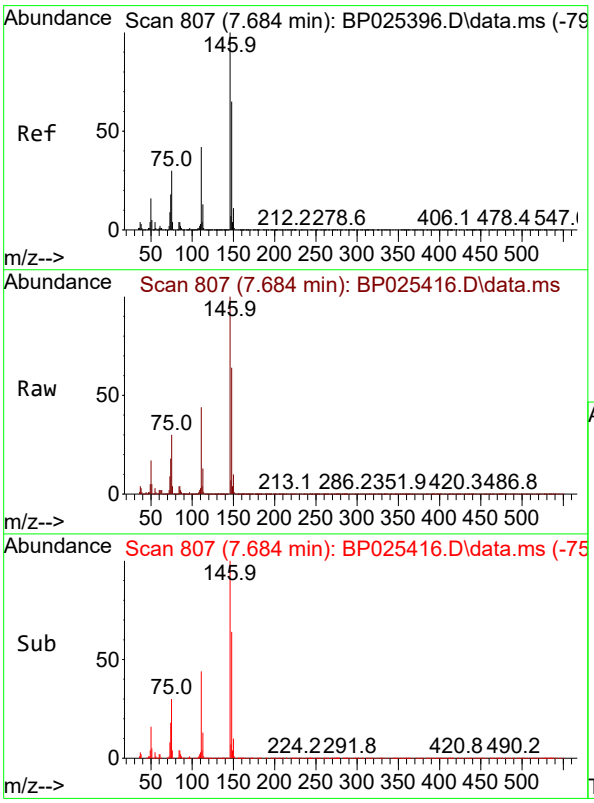
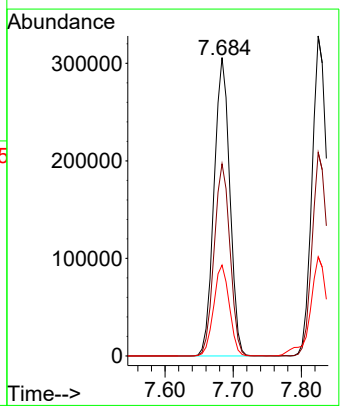
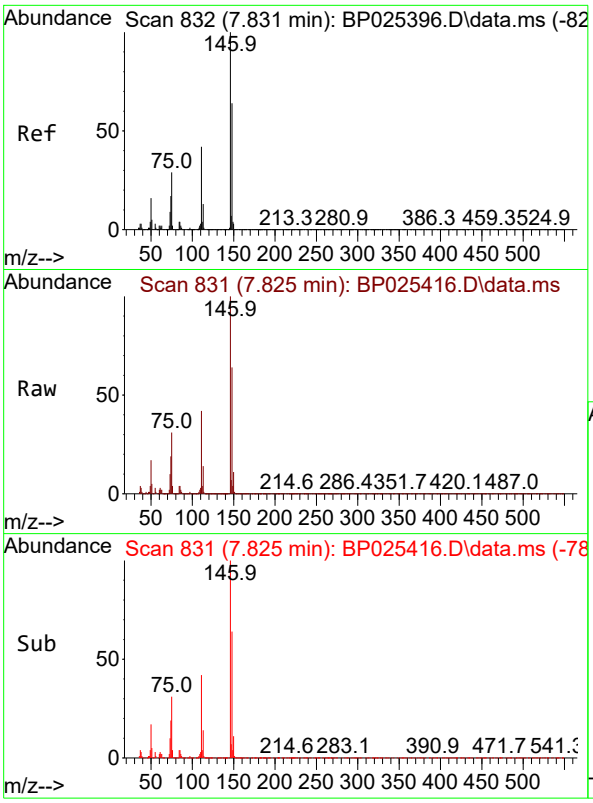


#12
1,3-Dichlorobenzene
Concen: 43.176 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:146 Resp: 492466

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	30.4	23.7	35.5

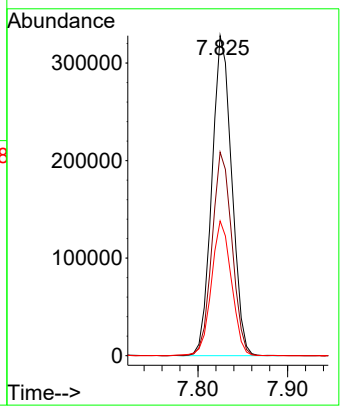




#13
1,4-Dichlorobenzene
Concen: 43.215 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:146 Resp: 50381

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	42.1	33.4	50.0



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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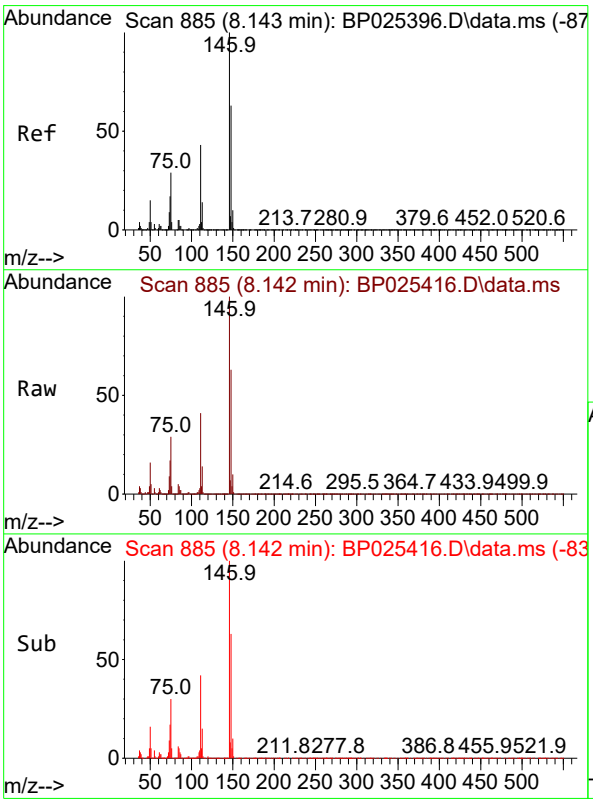
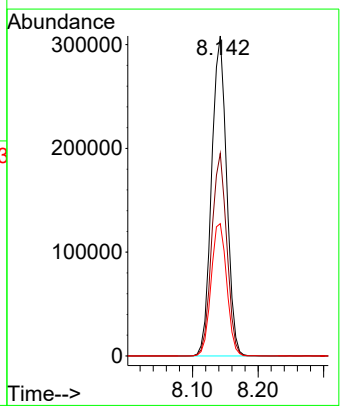
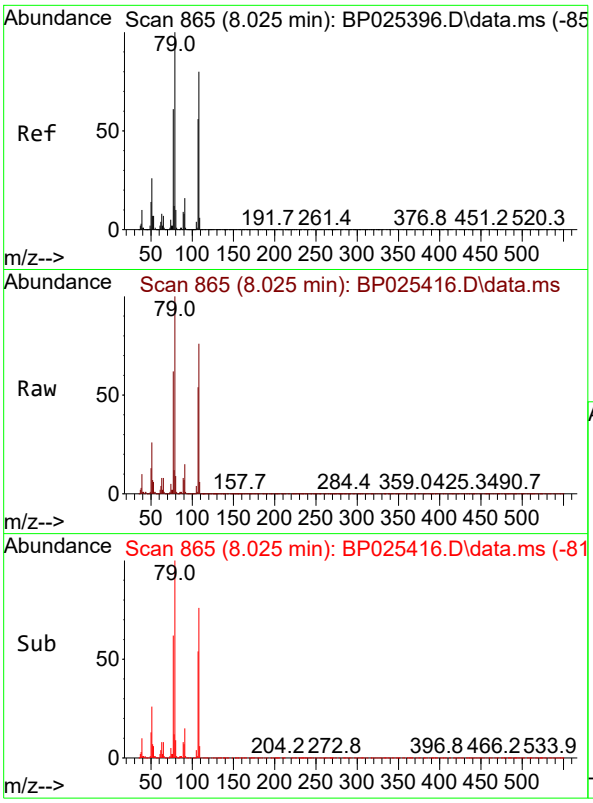


#14
1,2-Dichlorobenzene
Concen: 43.388 ng
RT: 8.142 min Scan# 885
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:146 Resp: 489651

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.4	75.6
111	41.4	34.5	51.7





#15
Benzyl Alcohol
Concen: 46.169 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 79 Resp: 43112

Ion	Ratio	Lower	Upper
79	100		
108	76.2	63.8	95.6
77	61.9	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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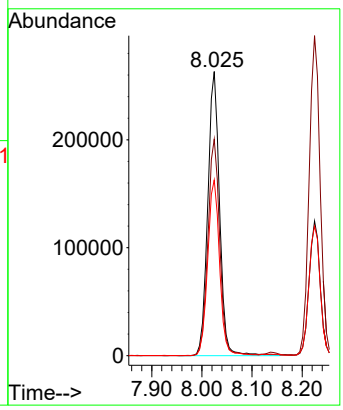
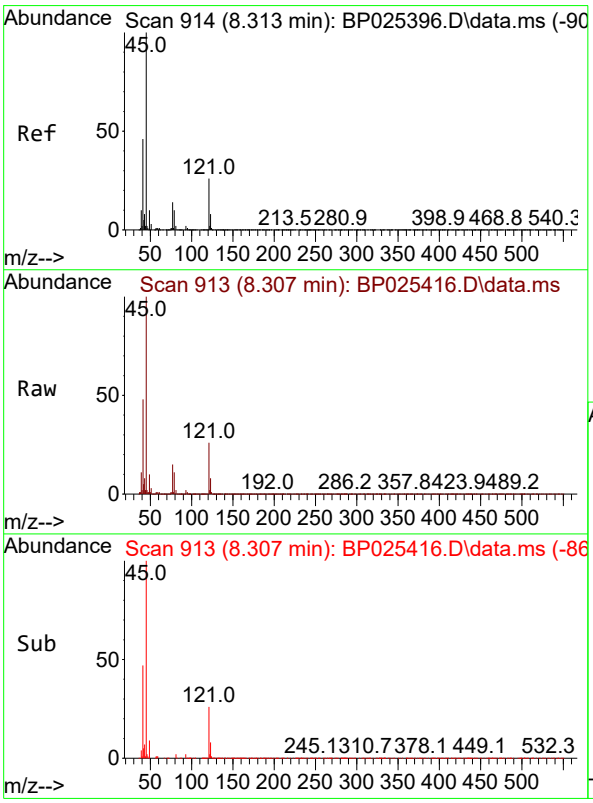
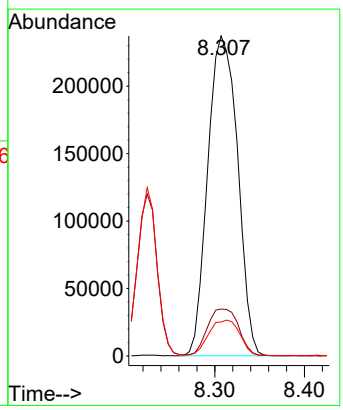


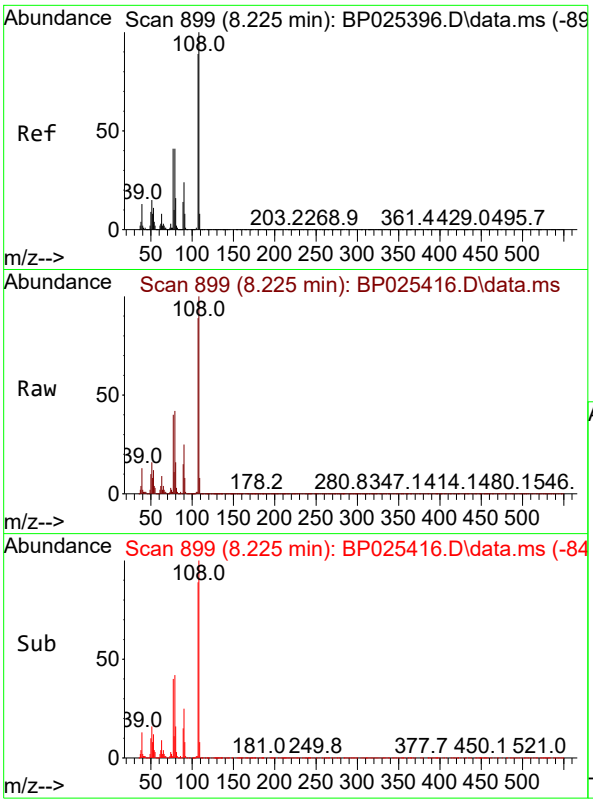


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.566 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 45 Resp: 548076

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.6	0.0	31.8

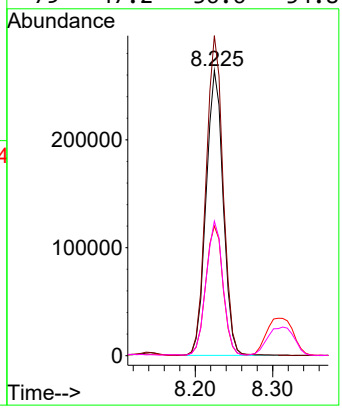




#17
2-Methylphenol
Concen: 47.084 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:107 Resp: 40325

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.4	134.0
77	45.4	36.3	54.5
79	47.2	36.6	54.8



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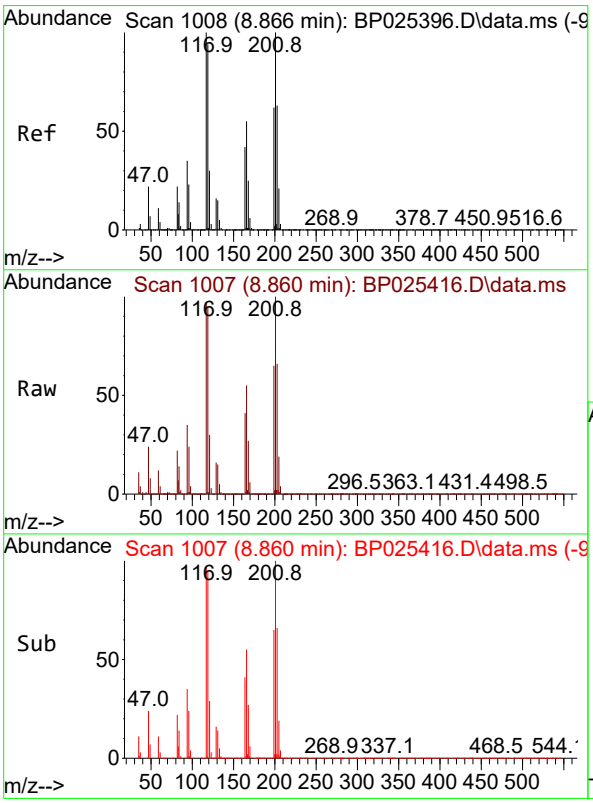
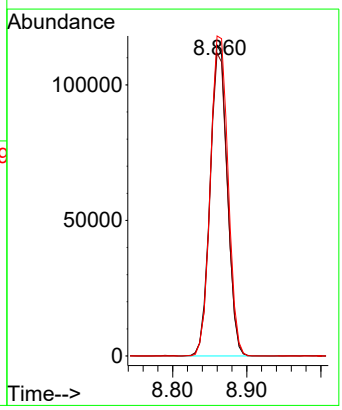
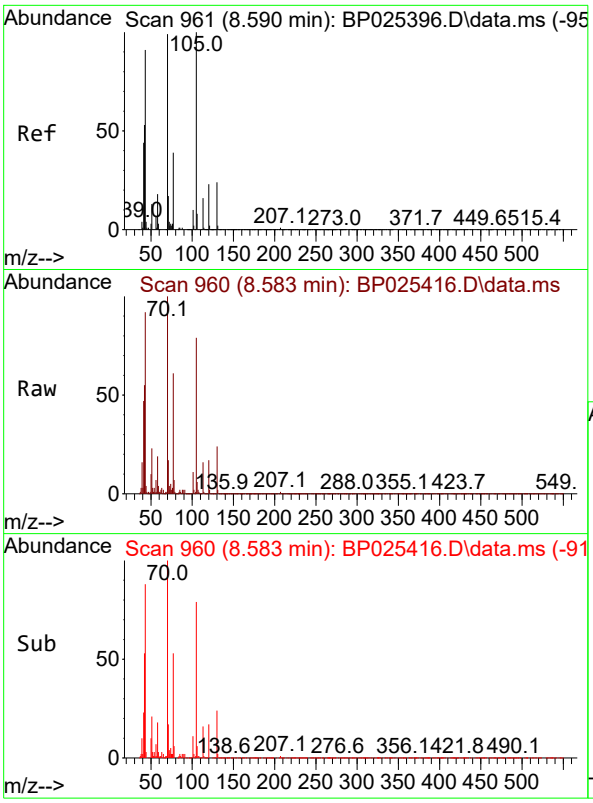


#18
Hexachloroethane
Concen: 43.040 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:117 Resp: 184490

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.1	112.7
201	103.0	80.1	120.1

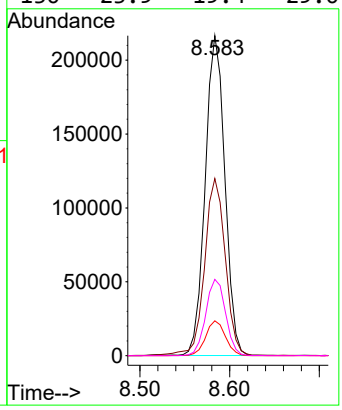




#19
n-Nitroso-di-n-propylamine
Concen: 42.334 ng
RT: 8.583 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 70 Resp: 32954

Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.8	65.6
101	10.9	8.5	12.7
130	23.9	19.4	29.0



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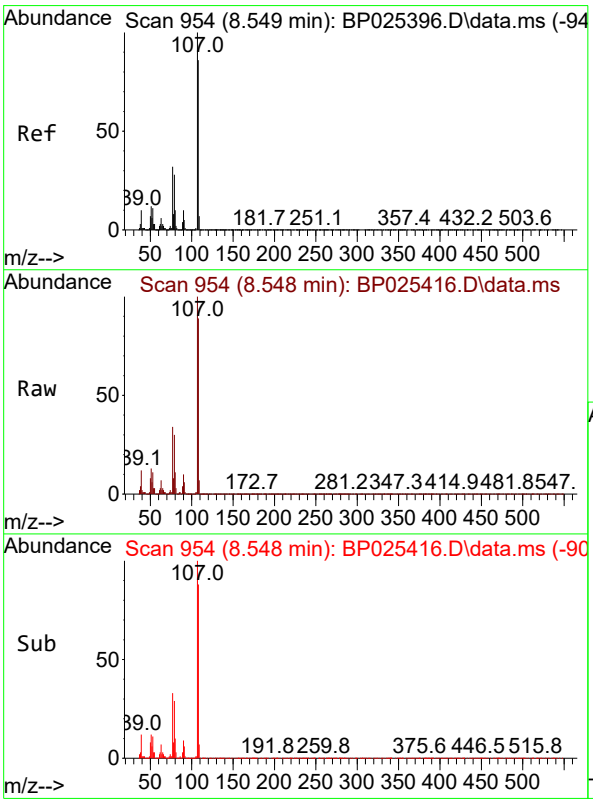
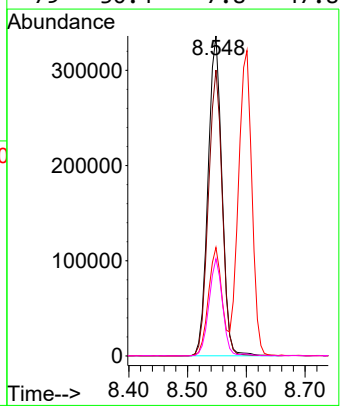
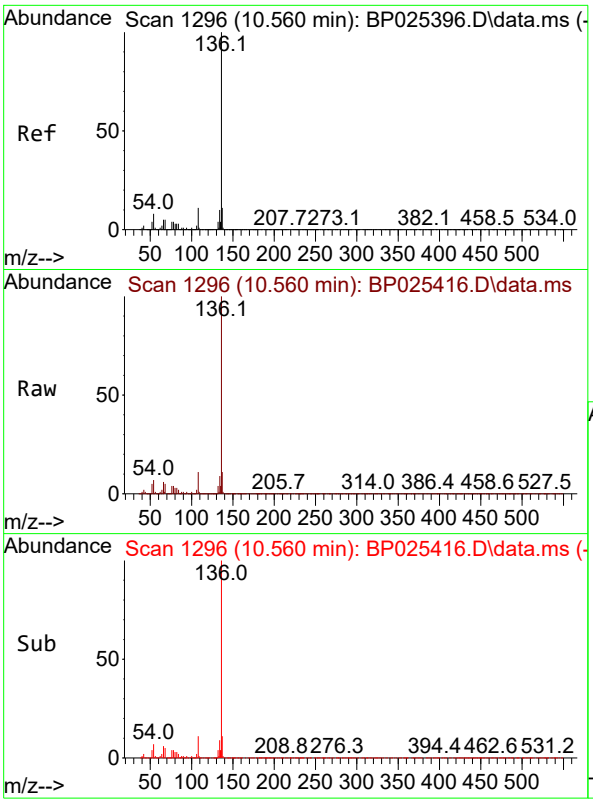


#20
3+4-Methylphenols
Concen: 46.519 ng
RT: 8.548 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:107 Resp: 552270

Ion	Ratio	Lower	Upper
107	100		
108	89.3	66.3	106.3
77	33.9	12.3	52.3
79	30.4	7.8	47.8

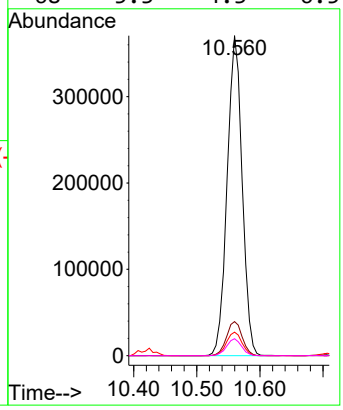




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:136 Resp: 61174

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.4	6.0	9.0
68	5.3	4.3	6.5



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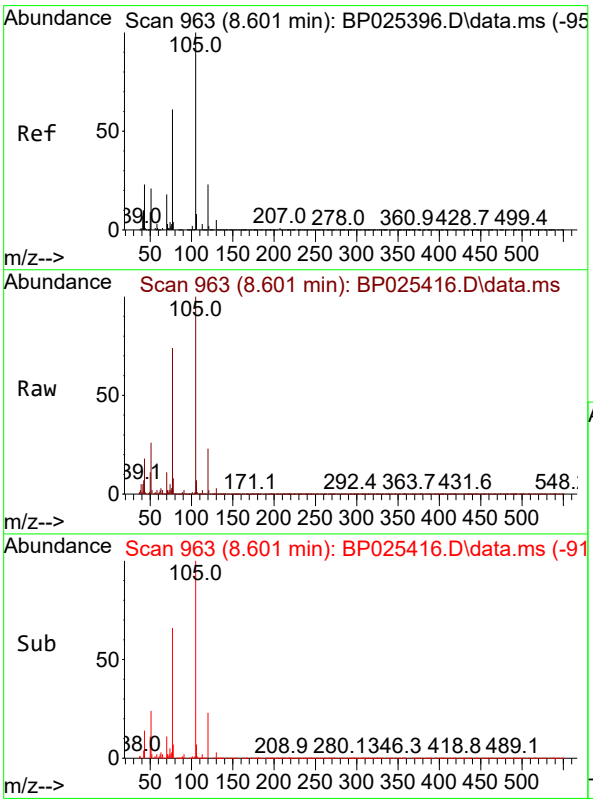
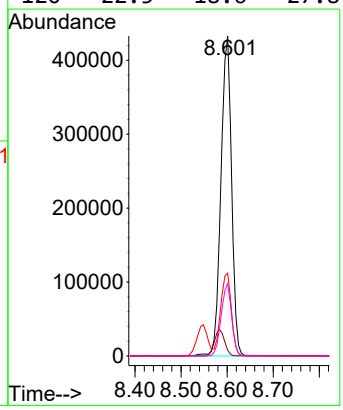
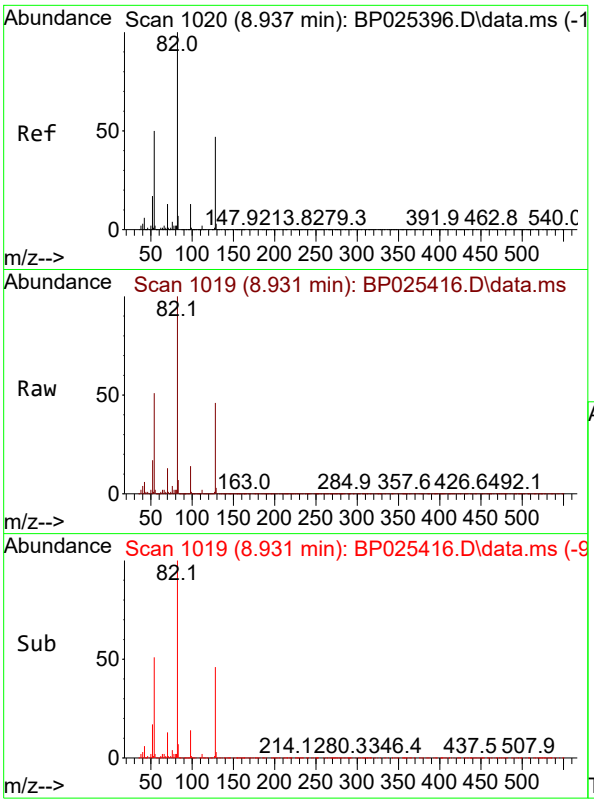


#22
Acetophenone
Concen: 45.089 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:105 Resp: 691731

Ion	Ratio	Lower	Upper
105	100		
71	1.8	2.6	4.0#
51	25.9	20.6	30.8
120	22.5	18.6	27.8

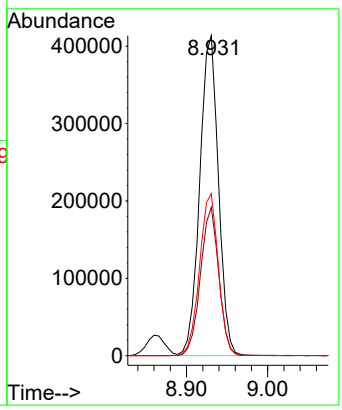




#23
Nitrobenzene-d5
Concen: 54.506 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 82 Resp: 65916

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.7	56.5
54	50.6	39.8	59.6



Instrument :
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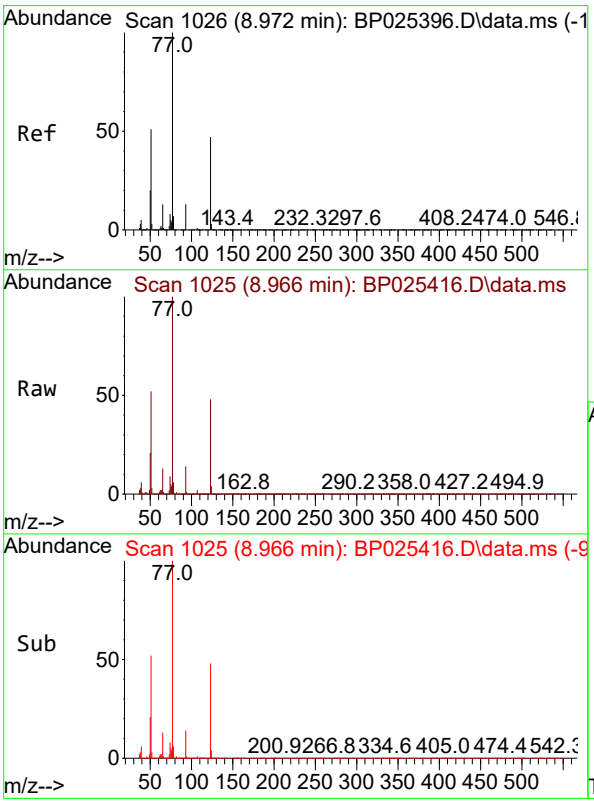
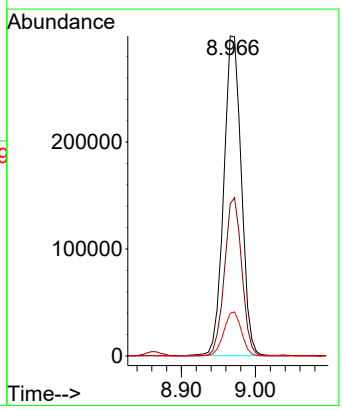
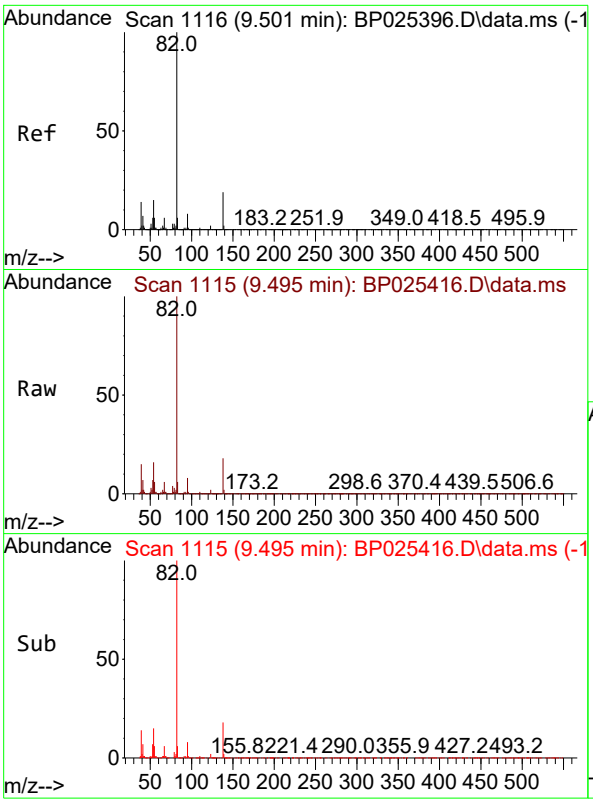


#24
Nitrobenzene
Concen: 45.537 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 77 Resp: 492167

Ion	Ratio	Lower	Upper
77	100		
123	47.5	38.6	58.0
65	13.4	10.6	15.8

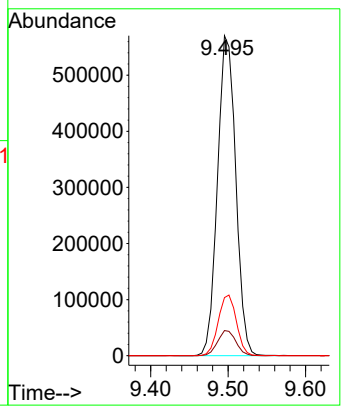




#25
Isophorone
Concen: 43.780 ng
RT: 9.495 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 82 Resp: 93698

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.1	15.4	23.0



Instrument :
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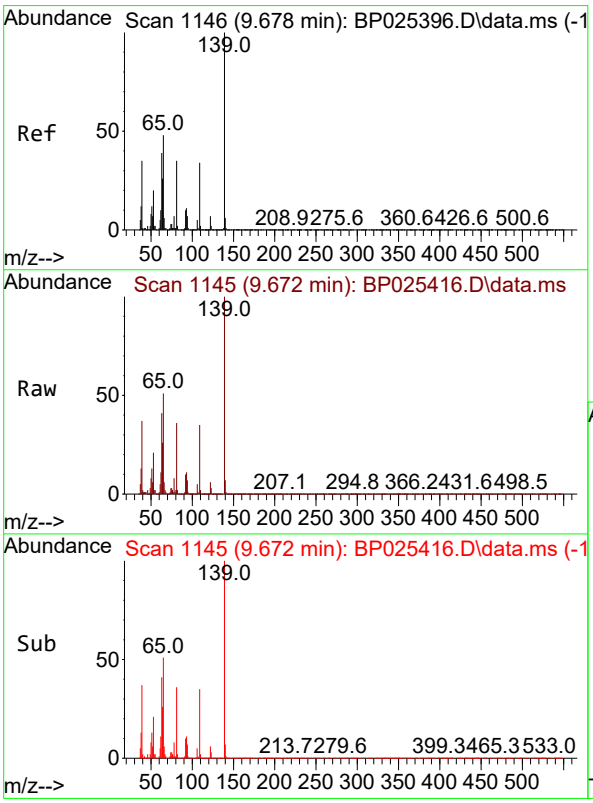
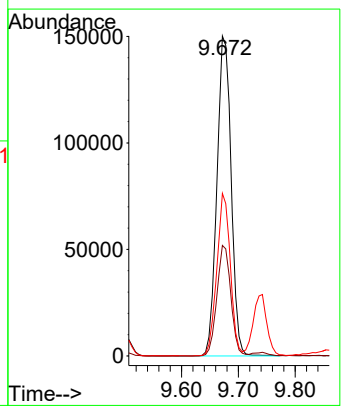
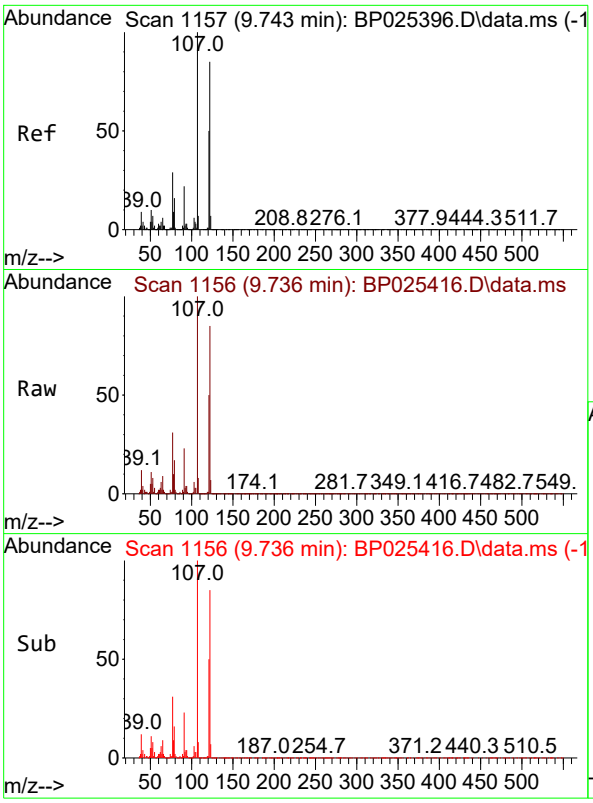


#26
2-Nitrophenol
Concen: 47.070 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:139 Resp: 261087

Ion	Ratio	Lower	Upper
139	100		
109	34.5	26.9	40.3
65	50.8	38.3	57.5





#27
2,4-Dimethylphenol
Concen: 48.685 ng
RT: 9.736 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:122 Resp: 46439

Ion	Ratio	Lower	Upper
122	100		
107	117.6	93.7	140.5
121	58.2	46.6	69.8

Instrument :
BNA_P
ClientSampleId :
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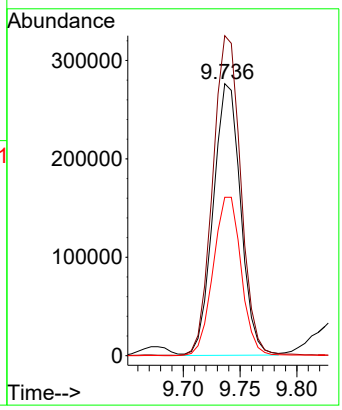
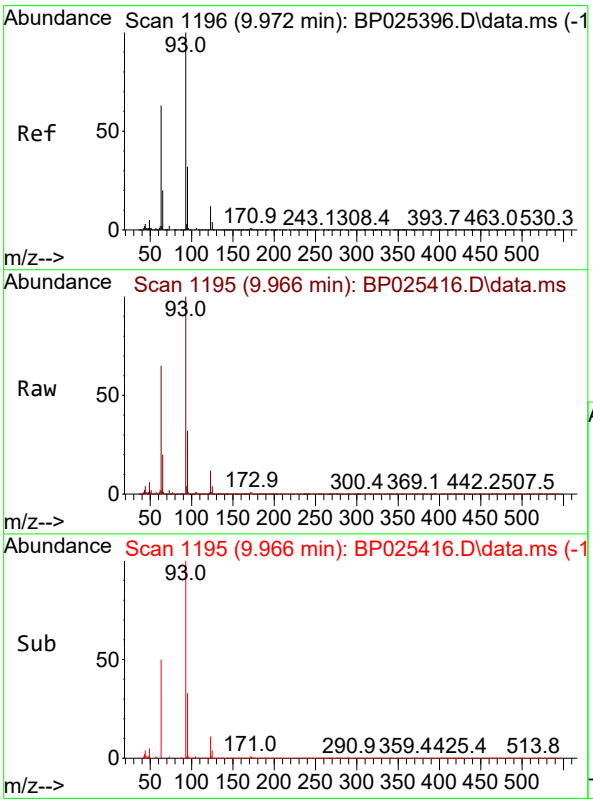
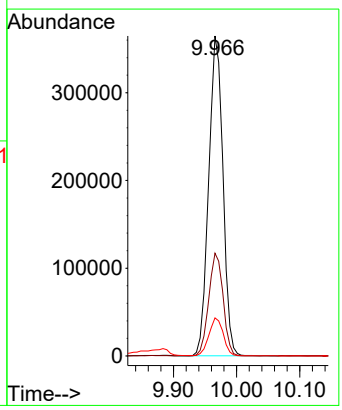


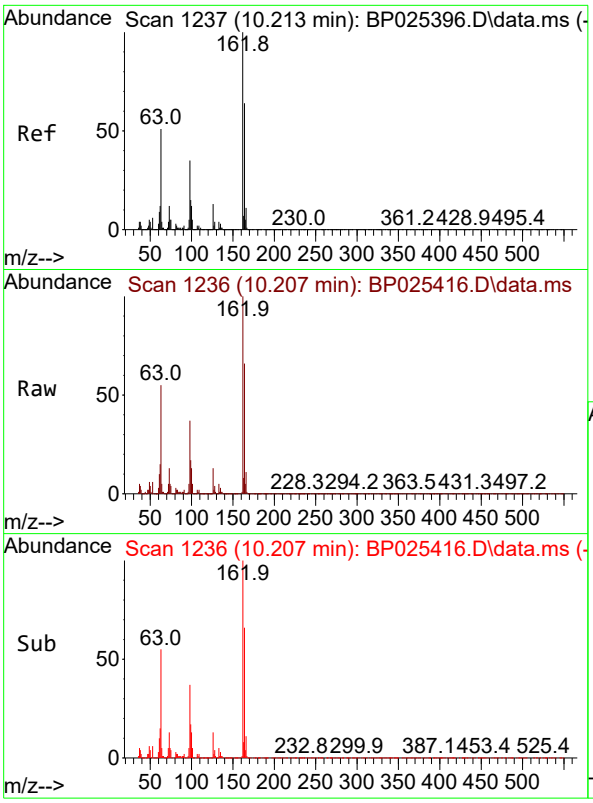


#28
bis(2-Chloroethoxy)methane
Concen: 44.160 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 93 Resp: 571301

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	11.9	9.4	14.0

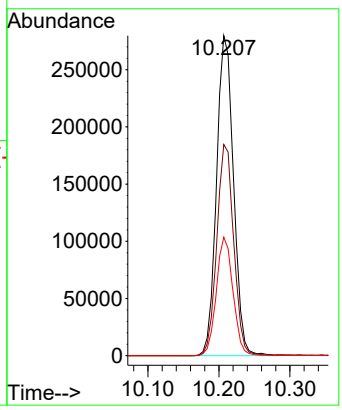




#29
2,4-Dichlorophenol
Concen: 48.875 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:162 Resp: 46312

Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.4	84.4
98	37.0	14.9	54.9



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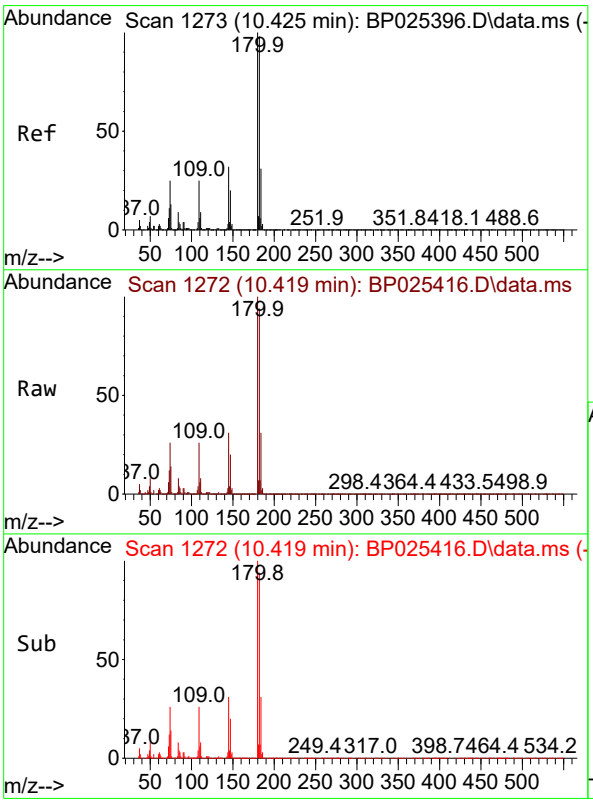
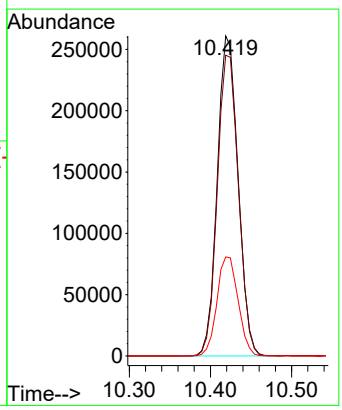
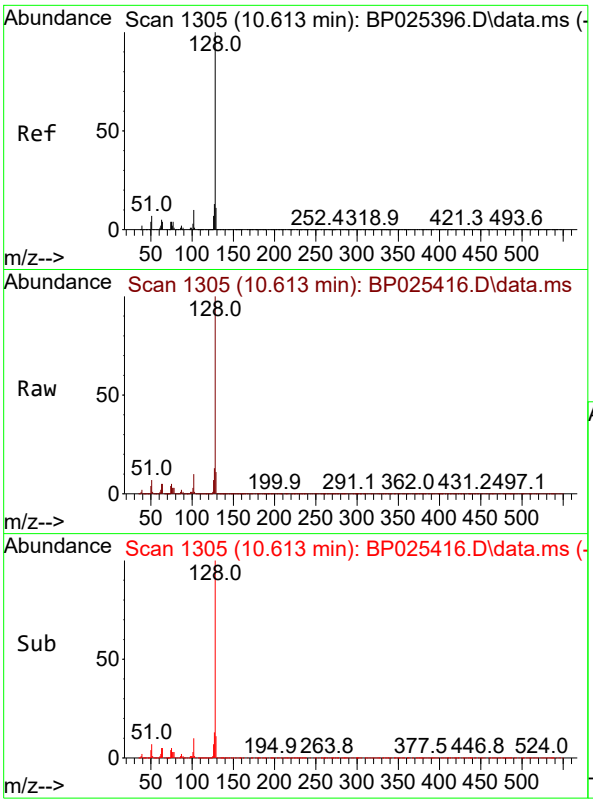


#30
1,2,4-Trichlorobenzene
Concen: 44.788 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:180 Resp: 465232

Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.0	117.0
145	31.0	25.9	38.9

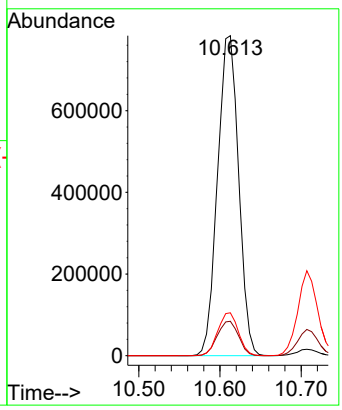




#31
Naphthalene
Concen: 44.490 ng
RT: 10.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:128 Resp: 141458

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.4	10.7	16.1



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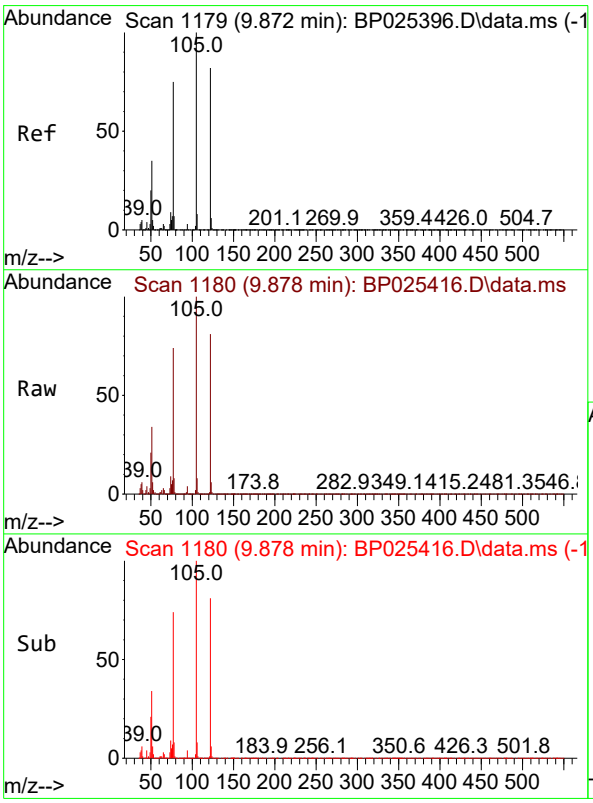
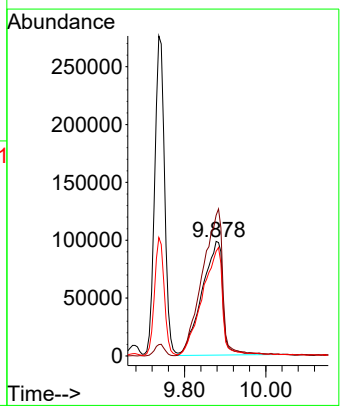
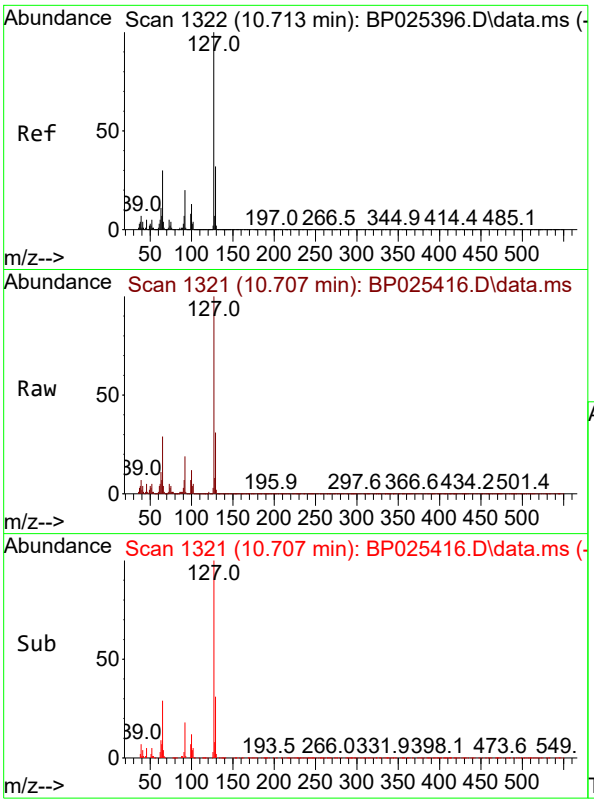


#32
Benzoic acid
Concen: 49.917 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:122 Resp: 351527

Ion	Ratio	Lower	Upper
122	100		
105	122.8	100.6	140.6
77	91.3	71.5	111.5

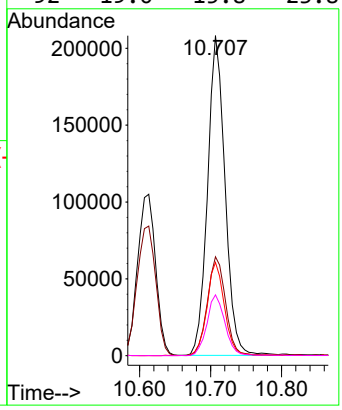




#33
4-Chloroaniline
Concen: 25.385 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:127 Resp: 35652

Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.4	38.2
65	29.2	23.8	35.6
92	19.0	15.8	23.8



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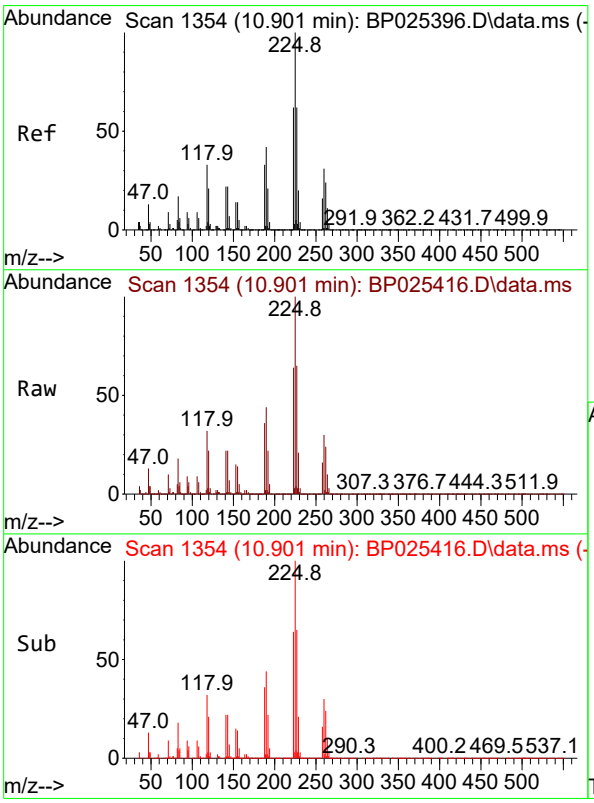
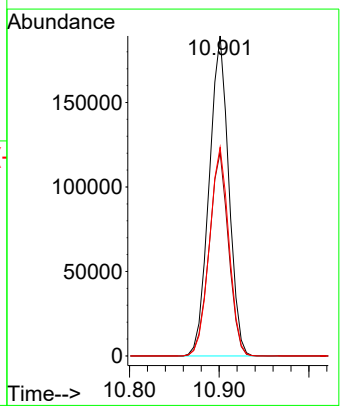
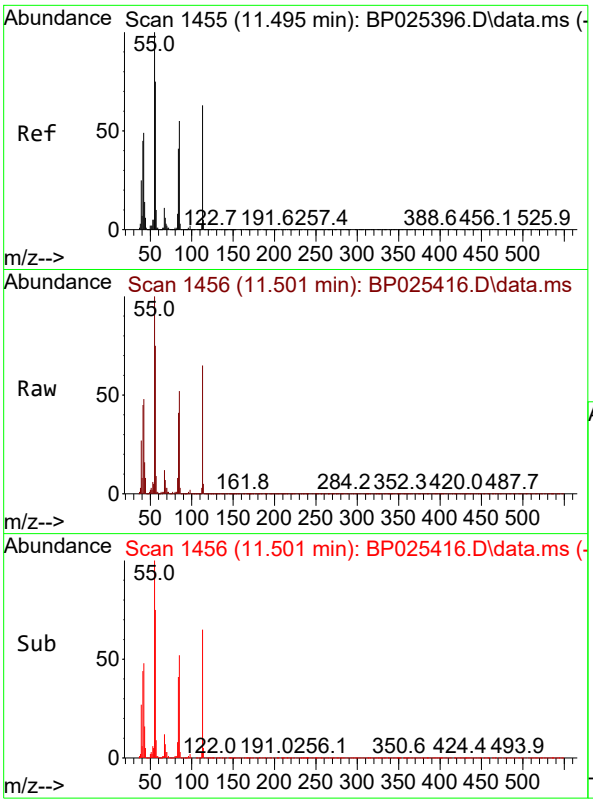


#34
Hexachlorobutadiene
Concen: 44.305 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:225 Resp: 286611

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	65.2	49.7	74.5

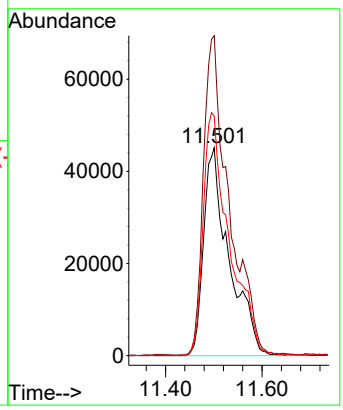




#35
Caprolactam
Concen: 47.563 ng m
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:113 Resp: 16525

Ion	Ratio	Lower	Upper
113	100		
55	153.8	140.0	180.0
56	115.2	100.0	140.0



Instrument :
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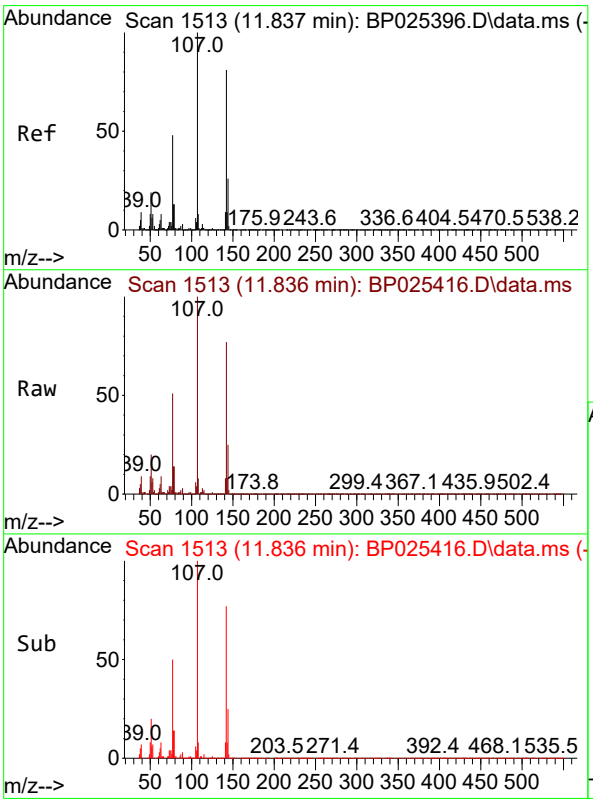
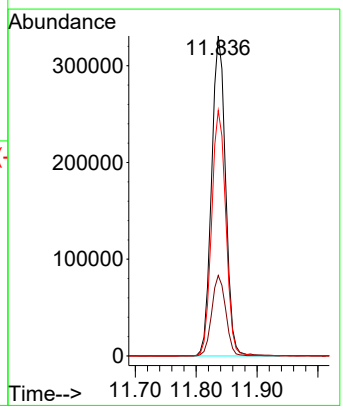
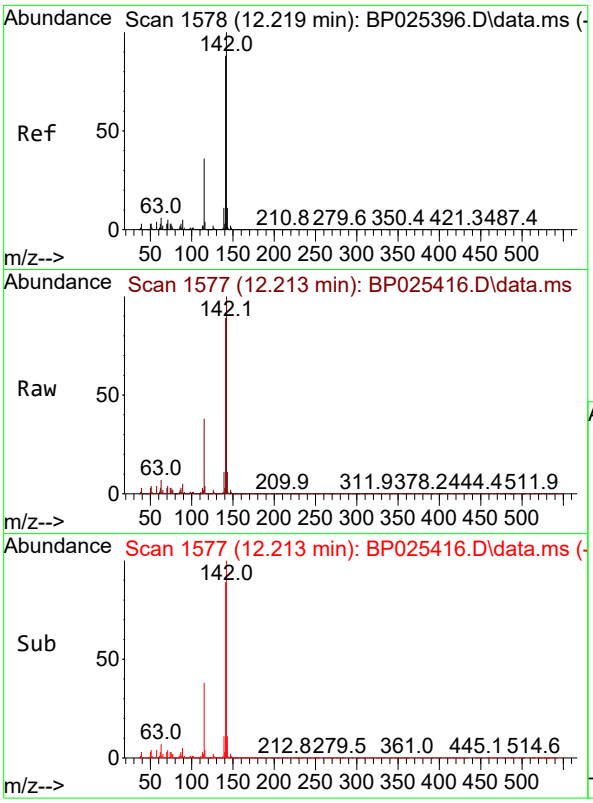


#36
4-Chloro-3-methylphenol
Concen: 48.688 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:107 Resp: 529393

Ion	Ratio	Lower	Upper
107	100		
144	25.2	21.0	31.4
142	76.7	64.6	97.0

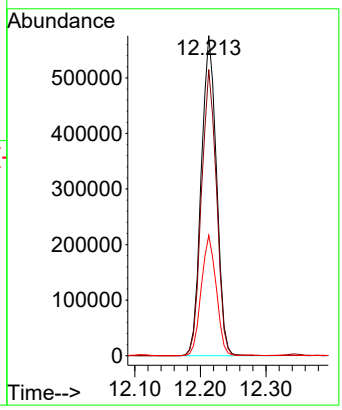




#37
2-Methylnaphthalene
Concen: 45.034 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:142 Resp: 93183

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	37.6	28.9	43.3



Instrument :
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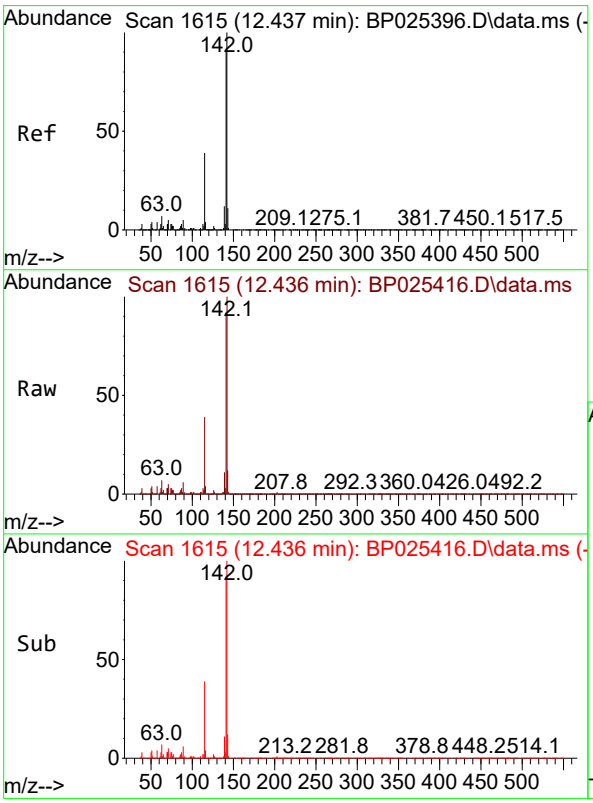
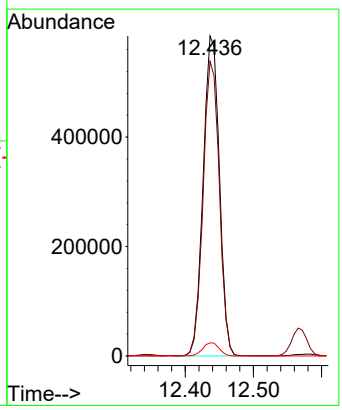
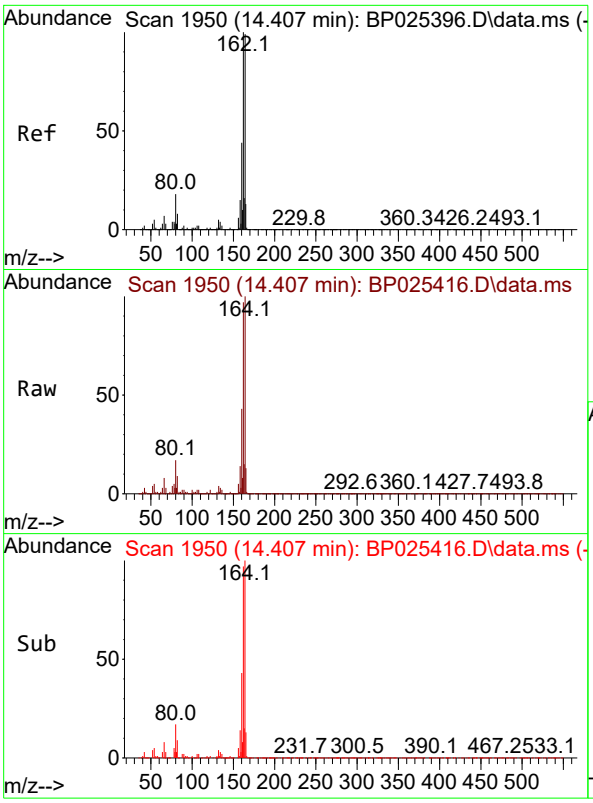


#38
1-Methylnaphthalene
Concen: 44.028 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:142 Resp: 968839

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7
116	4.1	3.2	4.8

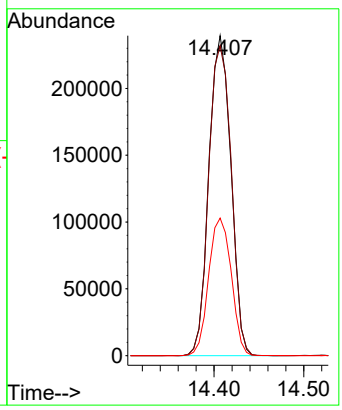




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:164 Resp: 40825

Ion	Ratio	Lower	Upper
164	100		
162	96.8	81.0	121.6
160	43.0	35.4	53.2



Instrument :
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ClientSampleId :
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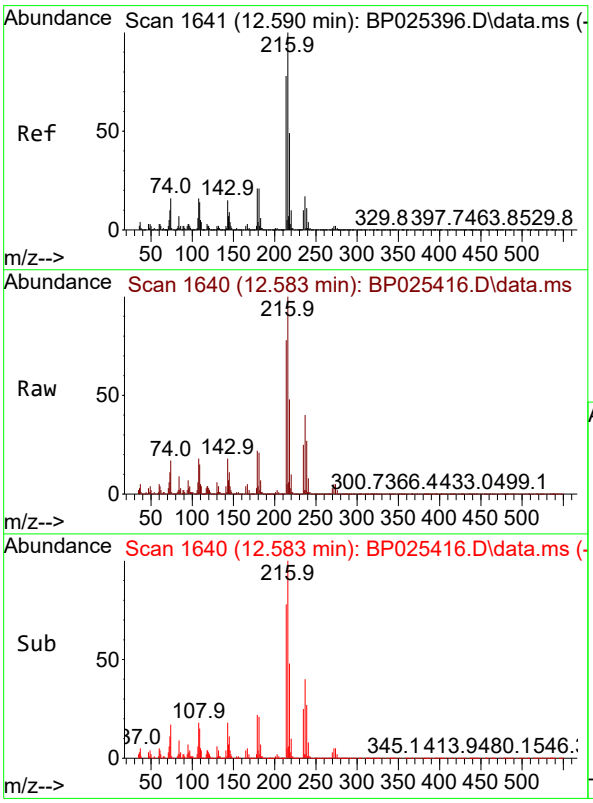
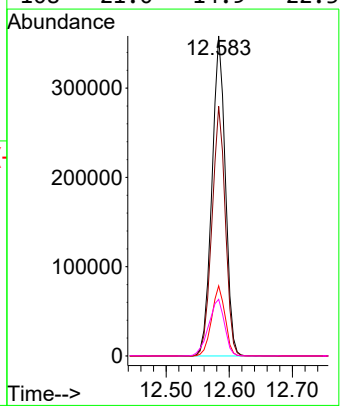
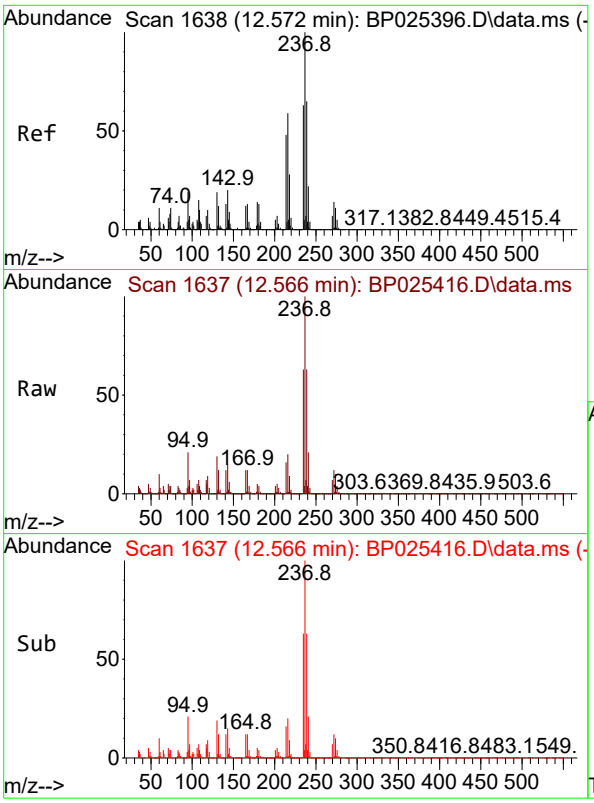


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.798 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:216 Resp: 528206

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.0	94.4
179	21.8	17.1	25.7
108	21.0	14.9	22.3

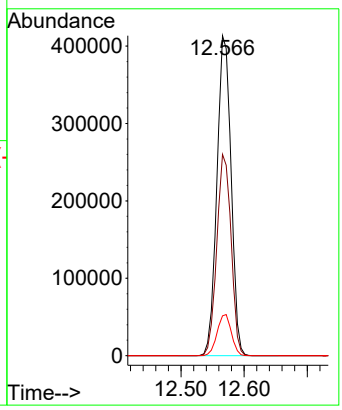




#41
Hexachlorocyclopentadiene
Concen: 90.202 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:237 Resp: 64243

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.7	82.7
272	12.5	0.0	34.0



Instrument :
BNA_P
ClientSampleId :
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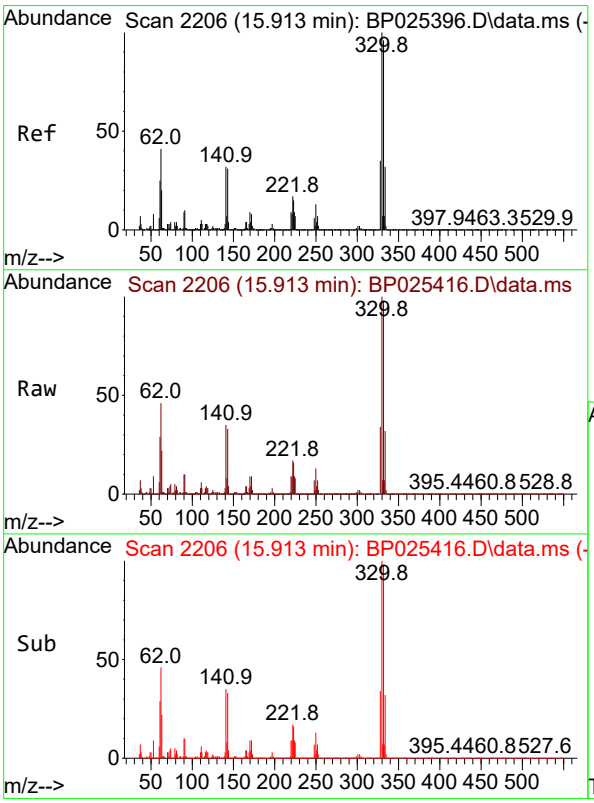
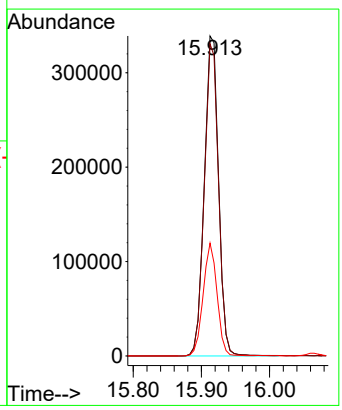
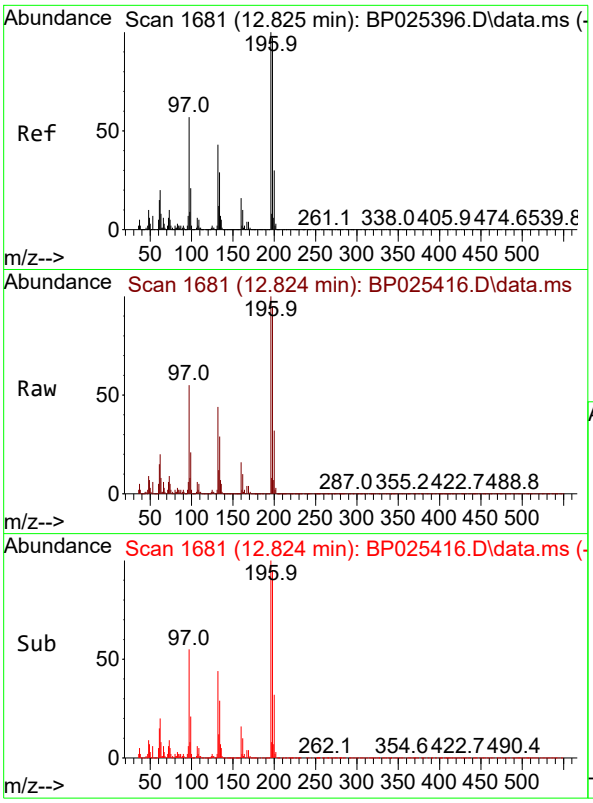


#42
2,4,6-Tribromophenol
Concen: 89.731 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:330 Resp: 493086

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	34.4	26.6	39.8





#43
2,4,6-Trichlorophenol
Concen: 48.407 ng
RT: 12.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:196 Resp: 38532

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.7	23.9	35.9

Instrument :
BNA_P
ClientSampleId :
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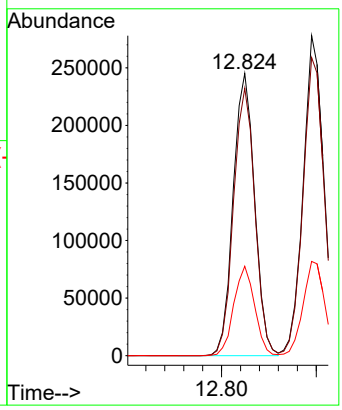
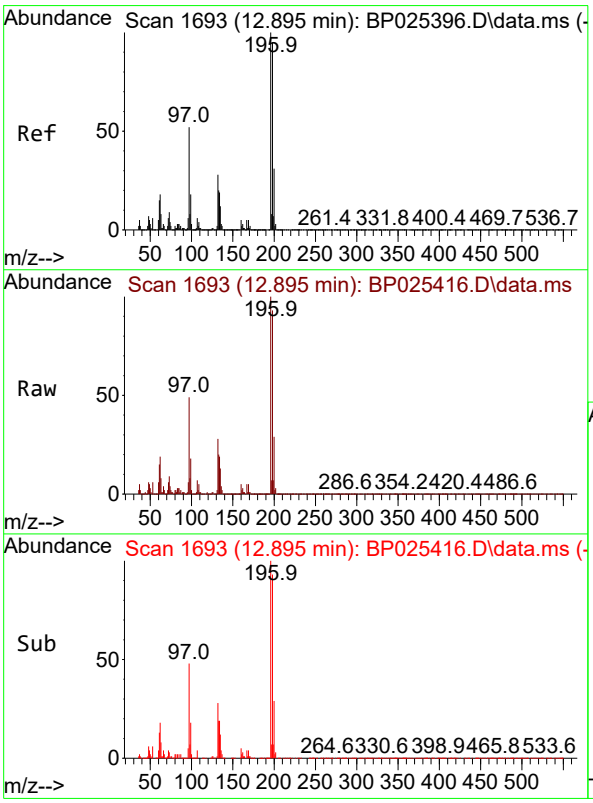
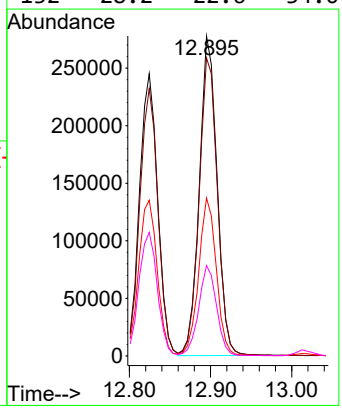


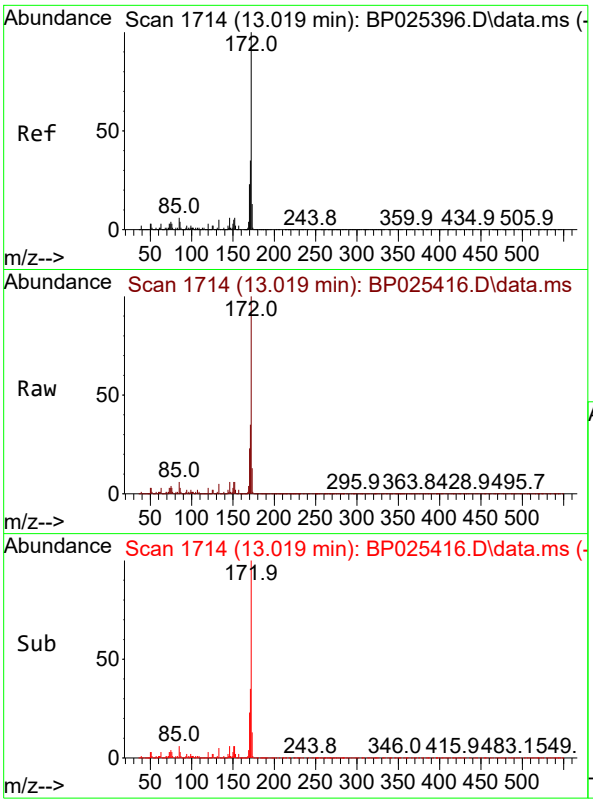


#44
2,4,5-Trichlorophenol
Concen: 48.409 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:196 Resp: 422320

Ion	Ratio	Lower	Upper
196	100		
198	93.2	76.2	114.2
97	49.4	41.2	61.8
132	28.2	22.6	34.0

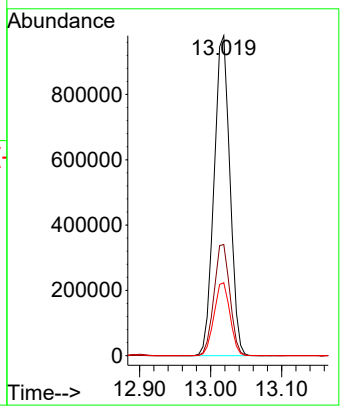




#45
2-Fluorobiphenyl
Concen: 50.806 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:172 Resp: 151767

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	22.8	18.6	28.0



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ClientSampleId :
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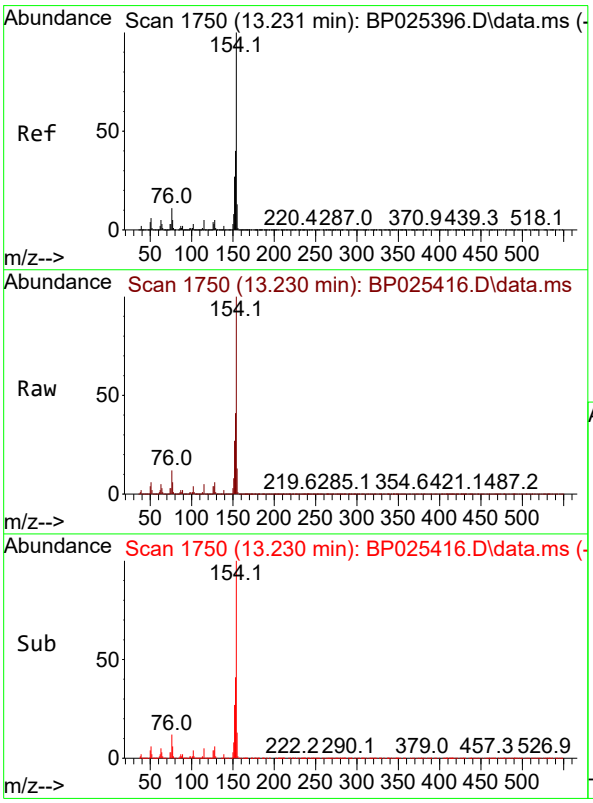
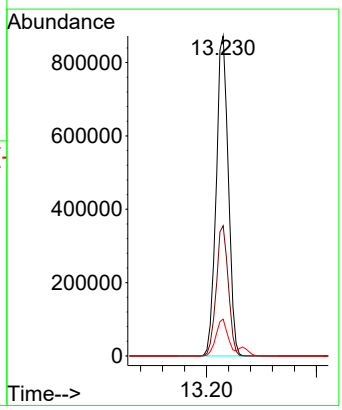
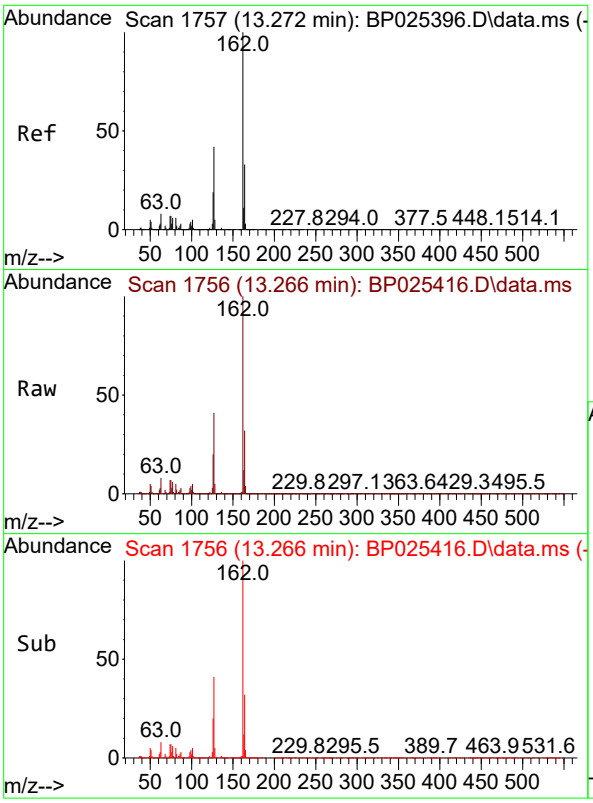


#46
1,1'-Biphenyl
Concen: 44.989 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:154 Resp: 1333915

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	11.5	0.0	31.1

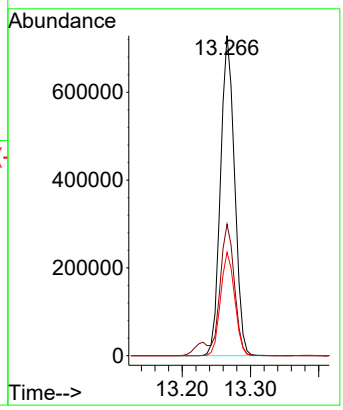




#47
2-Chloronaphthalene
Concen: 45.421 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:162 Resp: 104841

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.3	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
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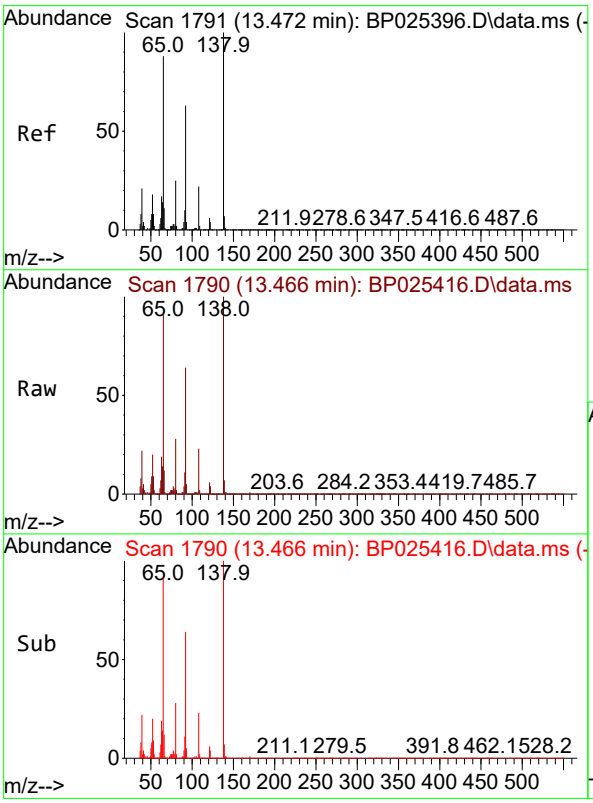
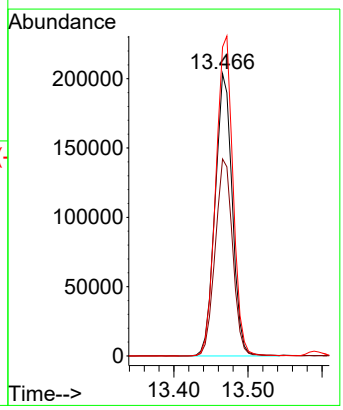
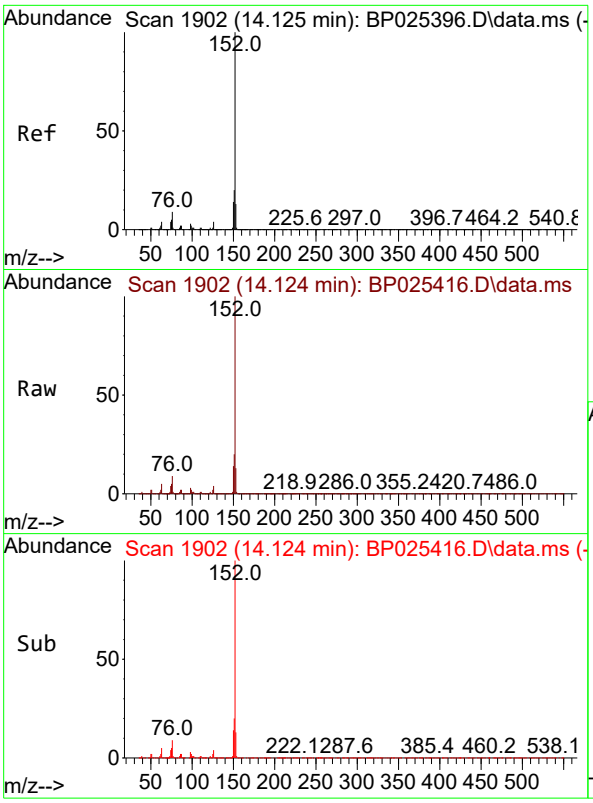


#48
2-Nitroaniline
Concen: 48.653 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 65 Resp: 327216

Ion	Ratio	Lower	Upper
65	100		
92	69.8	57.6	86.4
138	109.5	91.0	136.6

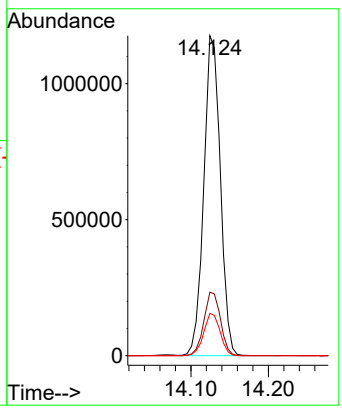




#49
Acenaphthylene
Concen: 45.584 ng
RT: 14.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:152 Resp: 174103

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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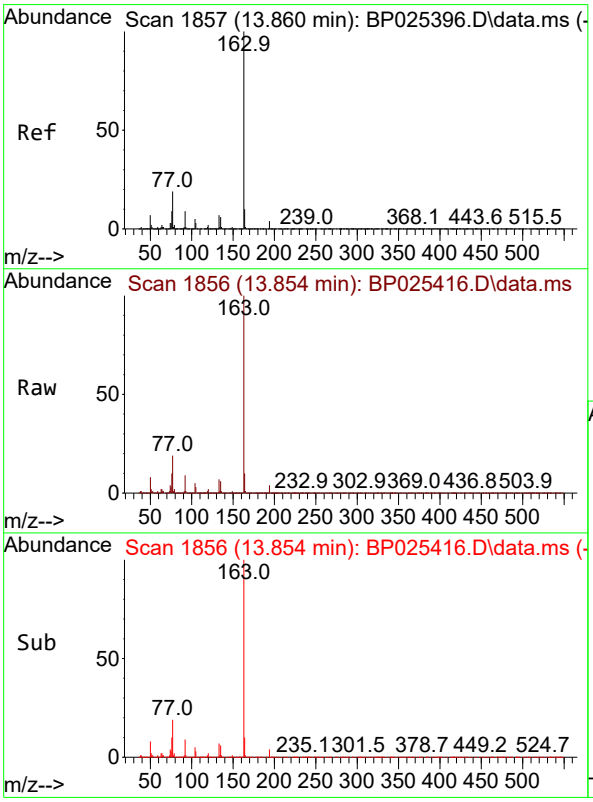
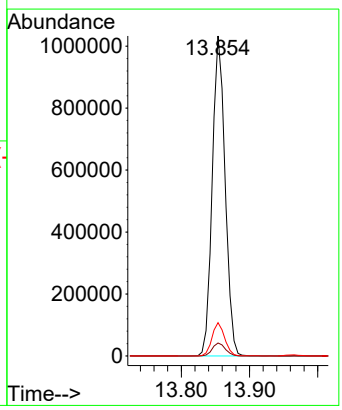
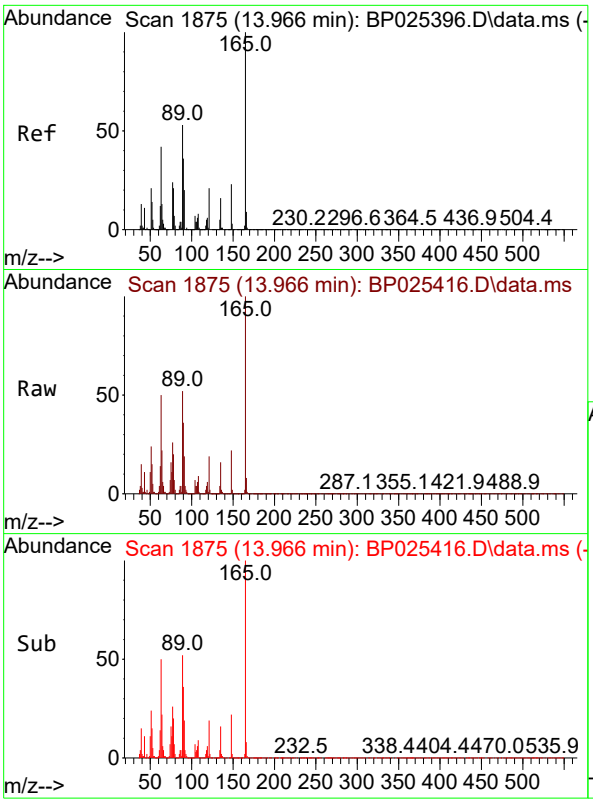


#50
Dimethylphthalate
Concen: 45.264 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:163 Resp: 1353224

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 47.281 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:165 Resp: 29792

Ion	Ratio	Lower	Upper
165	100		
63	49.9	40.9	61.3
89	51.8	42.1	63.1

Instrument :
BNA_P
ClientSampleId :
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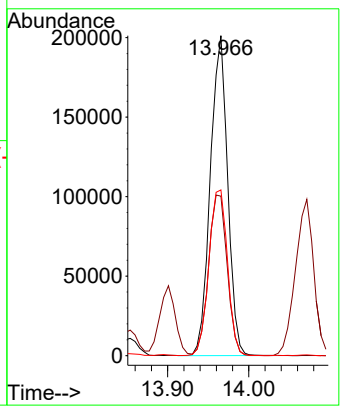
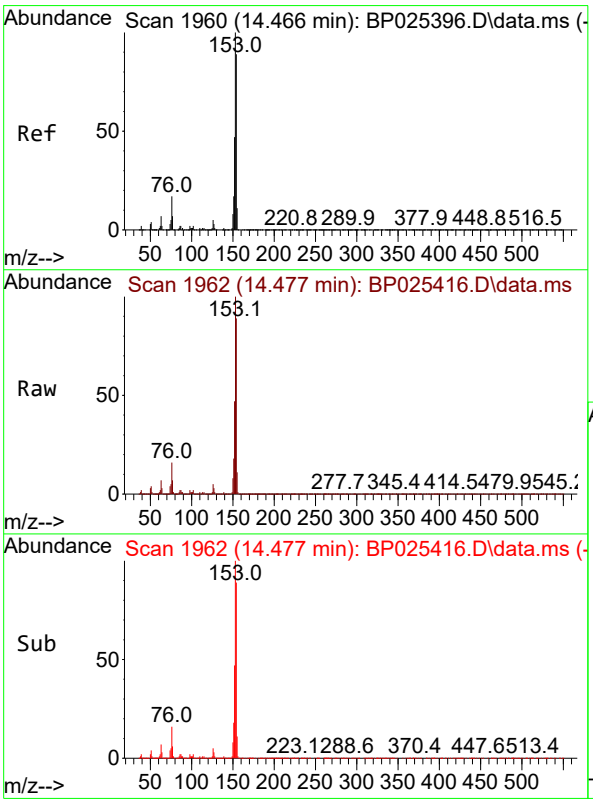
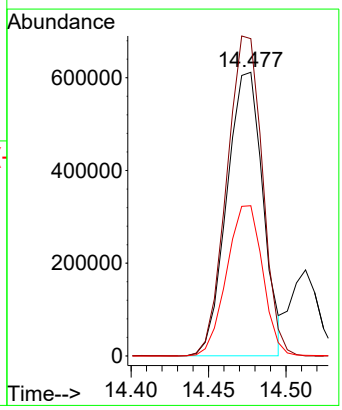


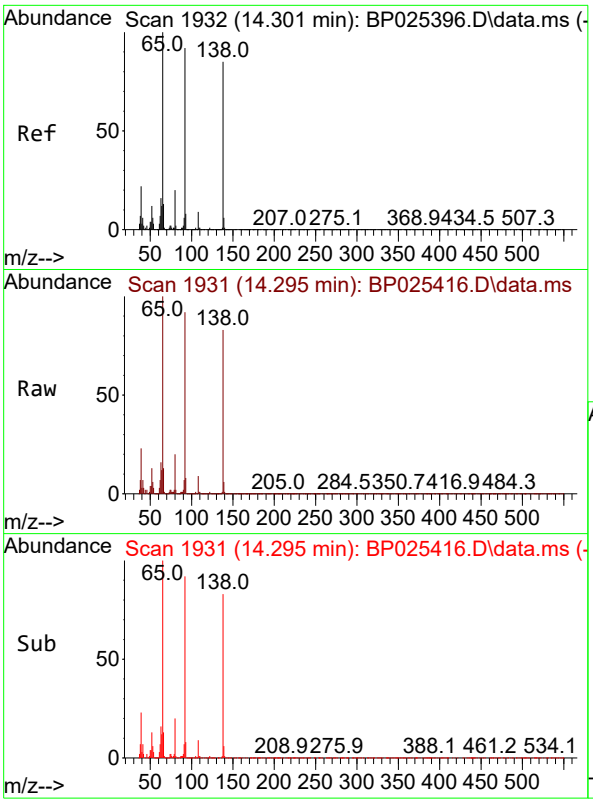


#52
Acenaphthene
Concen: 44.181 ng
RT: 14.477 min Scan# 1962
Delta R.T. 0.011 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:154 Resp: 990506

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.0	42.1	63.1





#53
3-Nitroaniline
Concen: 31.093 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:138 Resp: 22043

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	110.8	86.2	129.2

Instrument :
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ClientSampleId :
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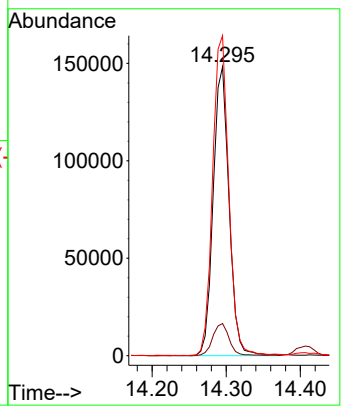
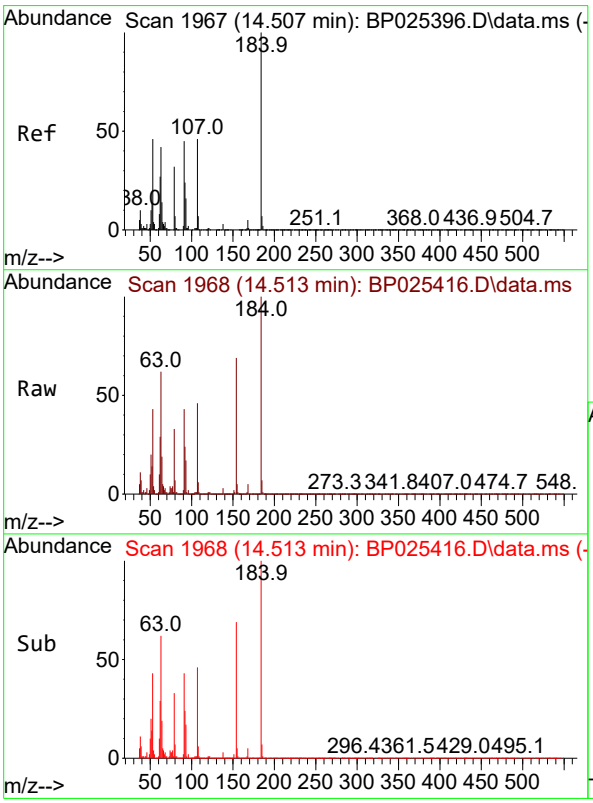
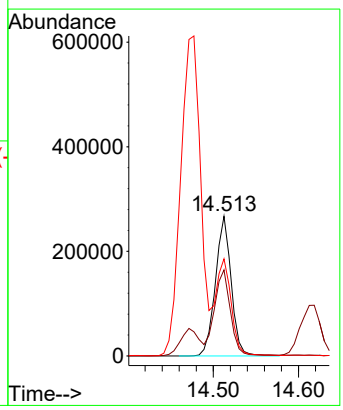


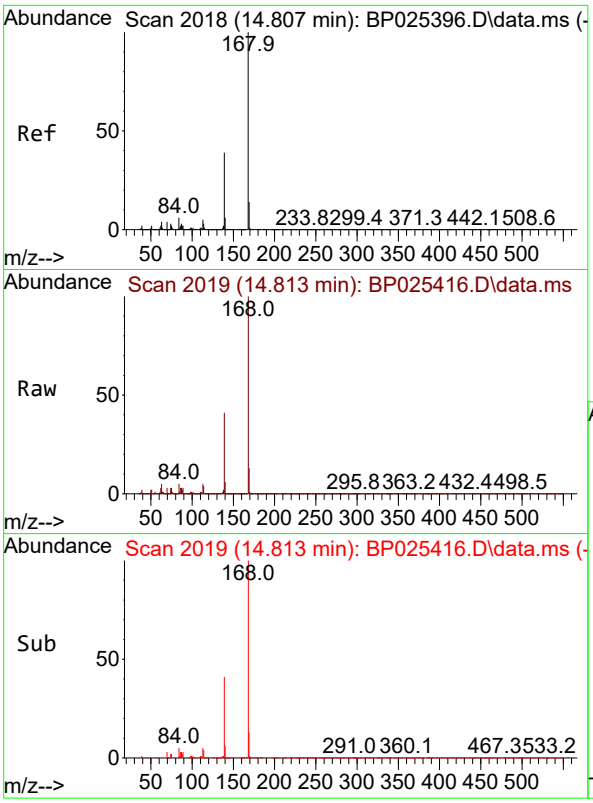


#54
2,4-Dinitrophenol
Concen: 102.765 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:184 Resp: 345806

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.4	74.2
154	69.5	54.6	82.0

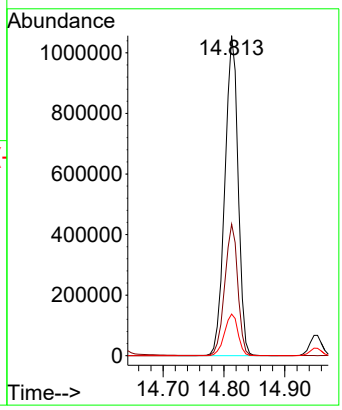




#55
Dibenzofuran
Concen: 44.946 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:168 Resp: 159311

Ion	Ratio	Lower	Upper
168	100		
139	41.1	31.5	47.3
169	13.0	10.9	16.3



Instrument :
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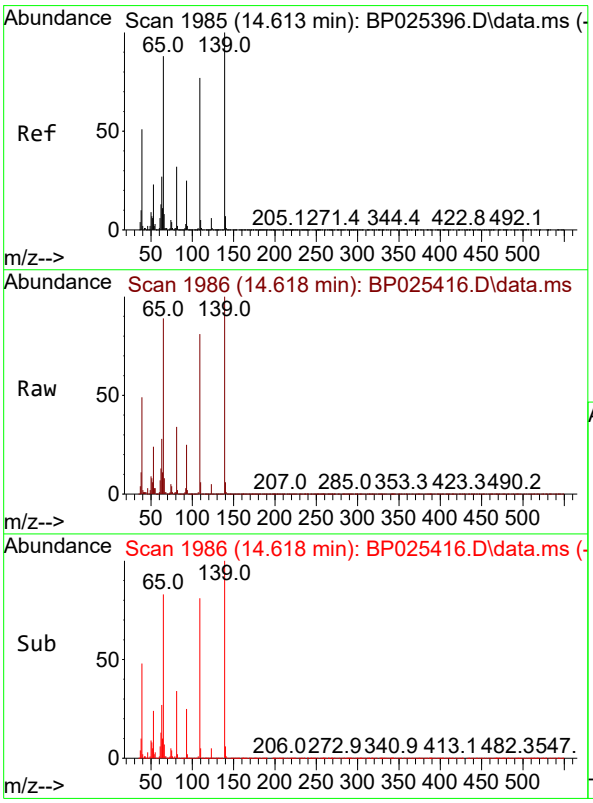
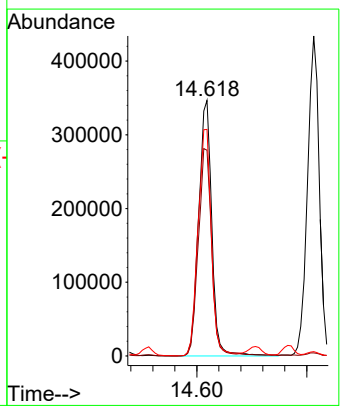
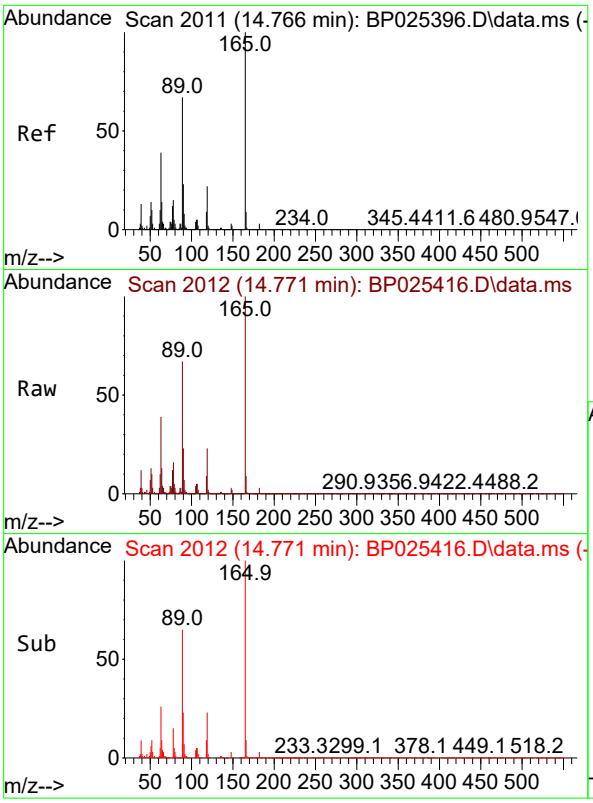


#56
4-Nitrophenol
Concen: 98.999 ng
RT: 14.618 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:139 Resp: 576733

Ion	Ratio	Lower	Upper
139	100		
109	80.6	56.6	96.6
65	88.7	68.2	108.2

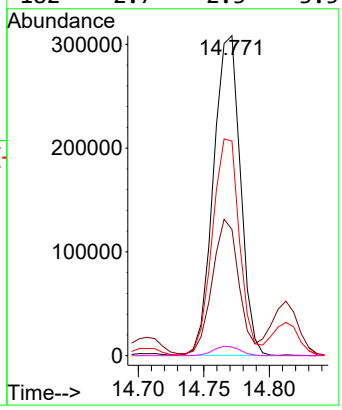




#57
2,4-Dinitrotoluene
Concen: 48.760 ng
RT: 14.771 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:165 Resp: 43836

Ion	Ratio	Lower	Upper
165	100		
63	39.5	31.4	47.2
89	67.1	53.3	79.9
182	2.7	2.3	3.5



Instrument :
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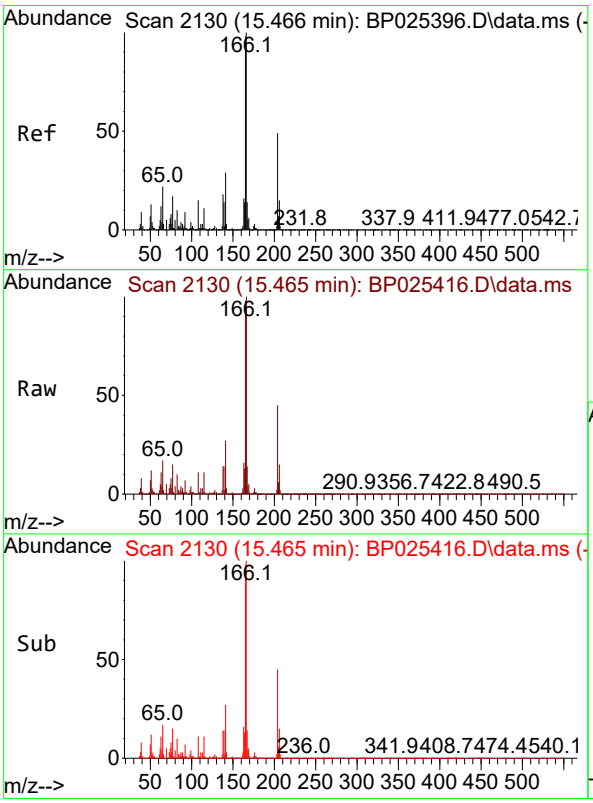
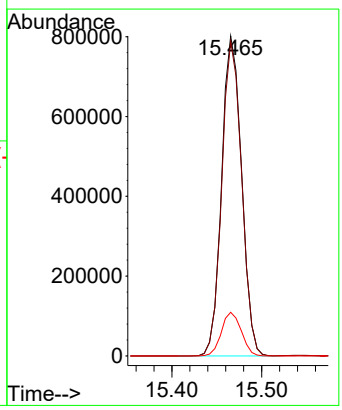
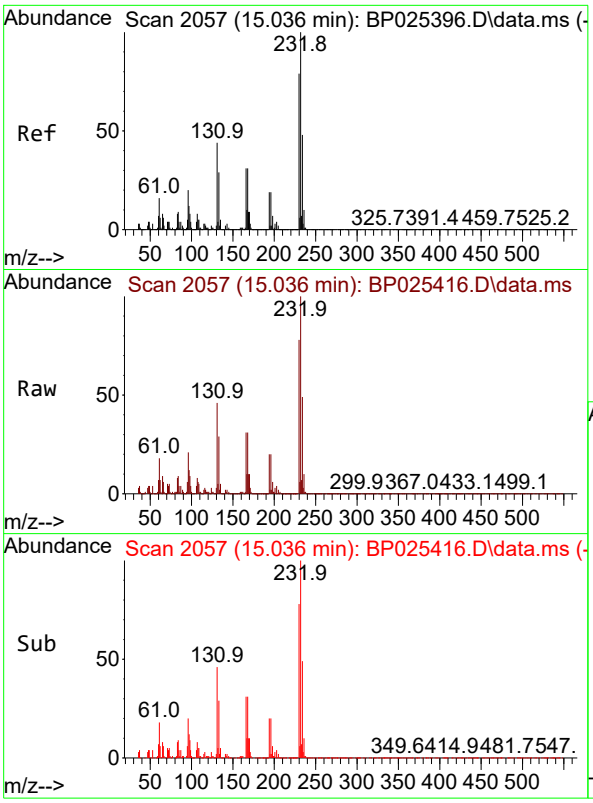


#58
Fluorene
Concen: 44.209 ng
RT: 15.465 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:166 Resp: 1236469

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.8	118.2
167	13.6	11.0	16.4

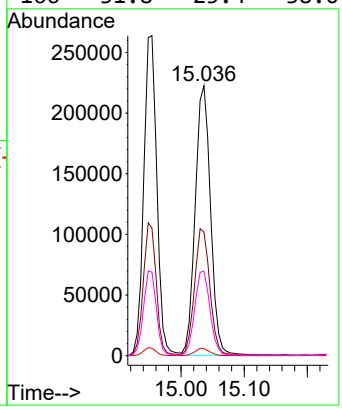




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.668 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:232 Resp: 37489

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.0	55.6
130	2.6	1.9	2.9
166	31.8	25.4	38.0



Instrument :
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ClientSampleId :
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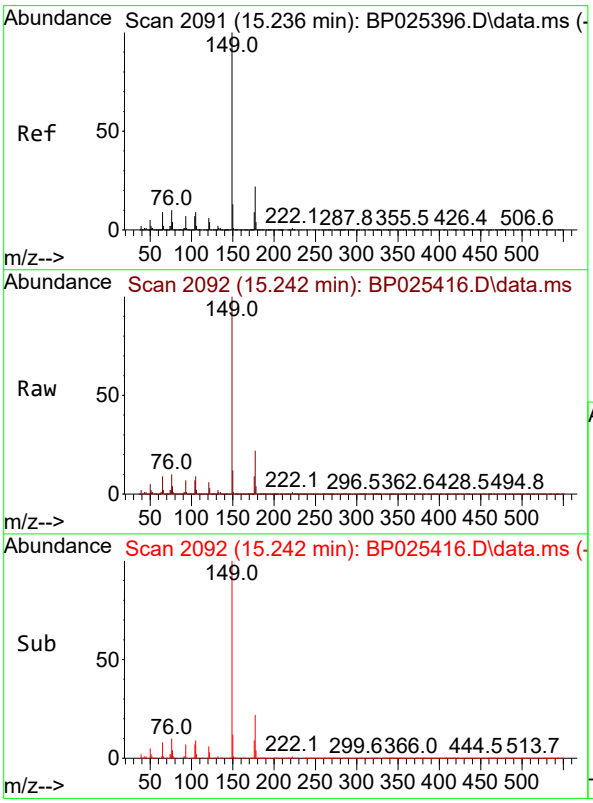
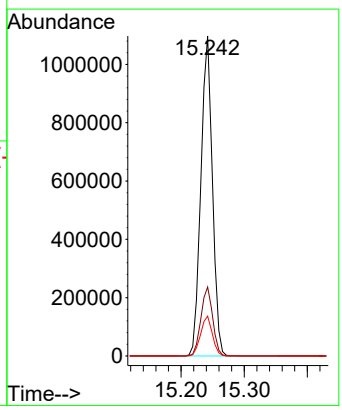
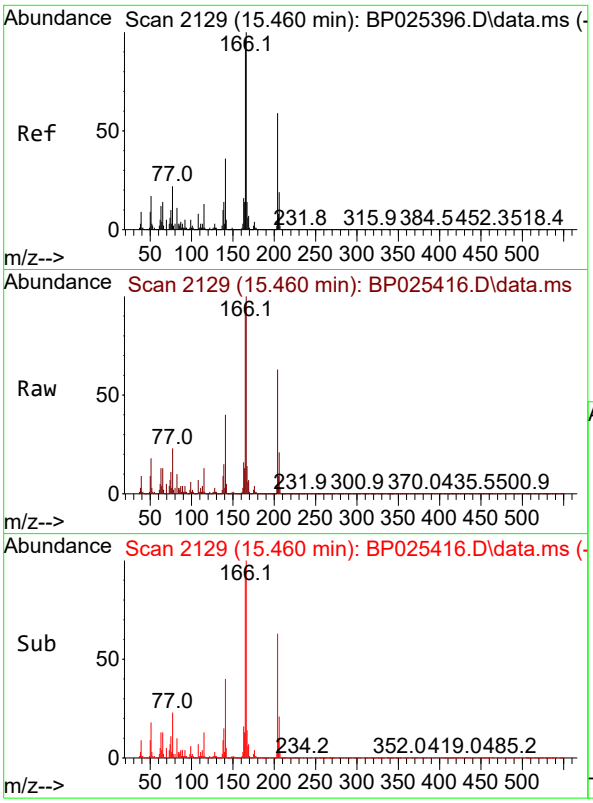


#60
Diethylphthalate
Concen: 45.696 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1388142

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5

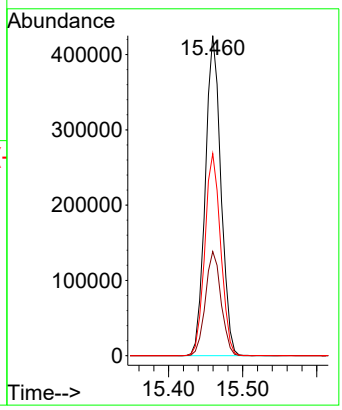




#61
4-Chlorophenyl-phenylether
Concen: 44.606 ng
RT: 15.460 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:204 Resp: 62046

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	63.2	49.4	74.2



Instrument :
BNA_P
ClientSampleId :
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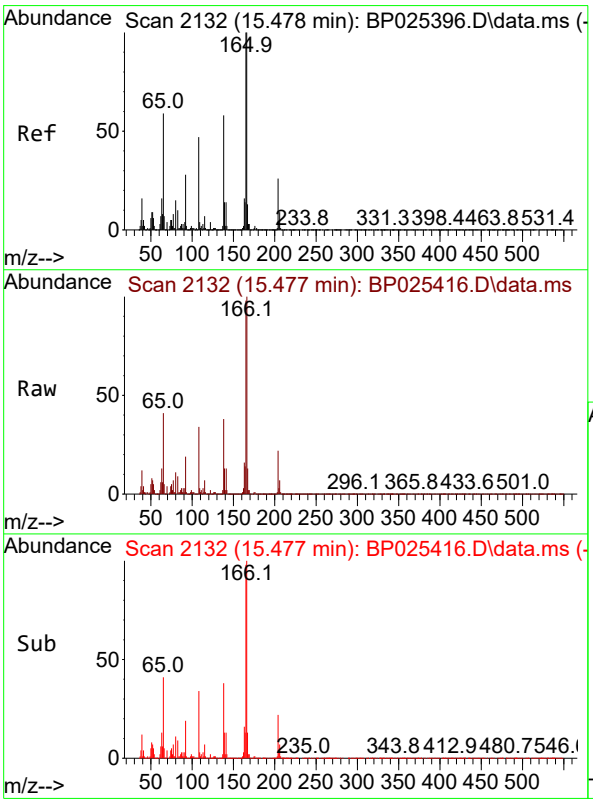
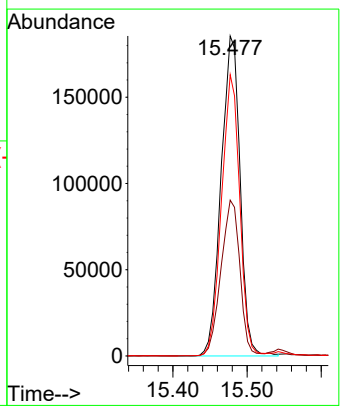
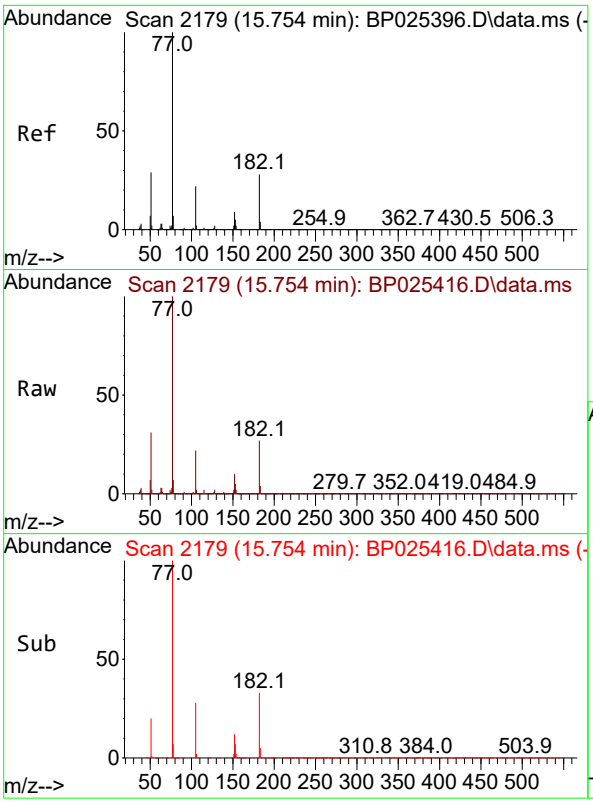


#62
4-Nitroaniline
Concen: 45.352 ng
RT: 15.477 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:138 Resp: 329615

Ion	Ratio	Lower	Upper
138	100		
92	48.7	29.1	69.1
108	87.9	61.5	101.5

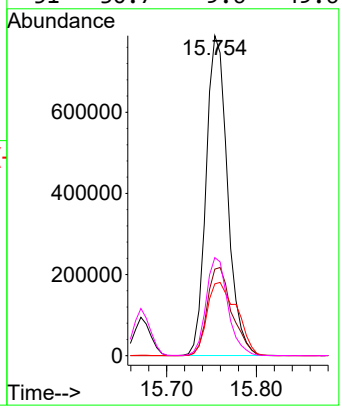




#63
Azobenzene
Concen: 50.212 ng
RT: 15.754 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 77 Resp: 130606

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.5	2.1	42.1
51	30.7	9.6	49.6



Instrument :
BNA_P
ClientSampleId :
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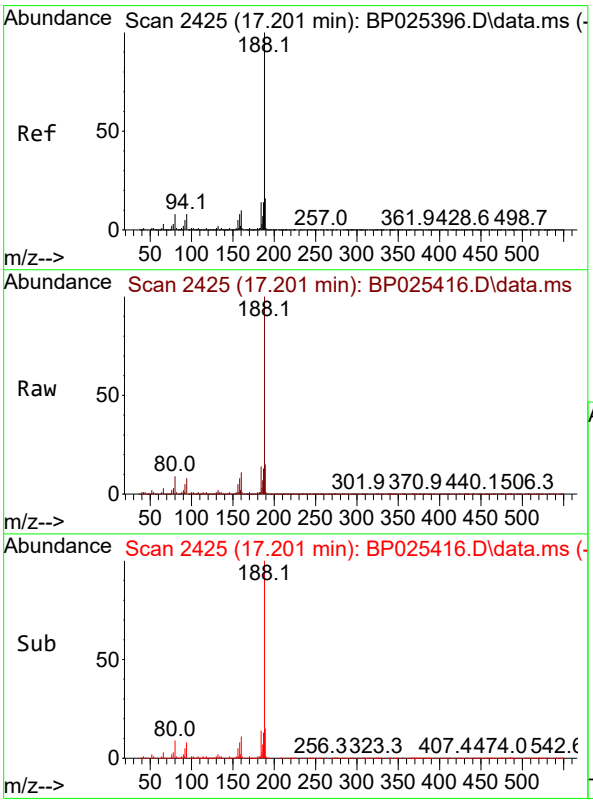
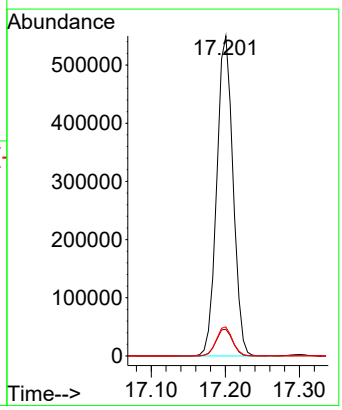
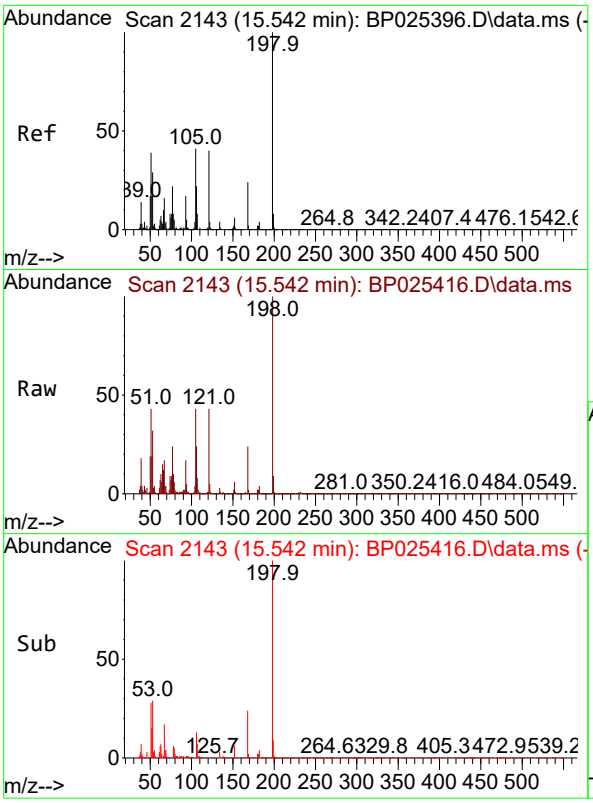


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:188 Resp: 837667

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.1	6.7	10.1

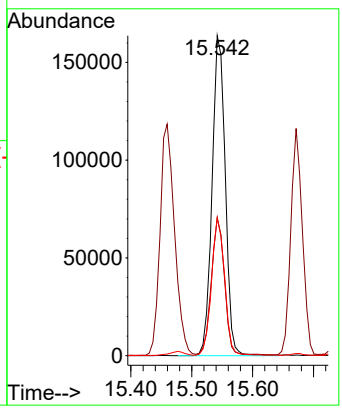




#65
4,6-Dinitro-2-methylphenol
Concen: 47.224 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:198 Resp: 24658

Ion	Ratio	Lower	Upper
198	100		
51	43.2	19.6	59.6
105	43.1	20.9	60.9



Instrument :
BNA_P
ClientSampleId :
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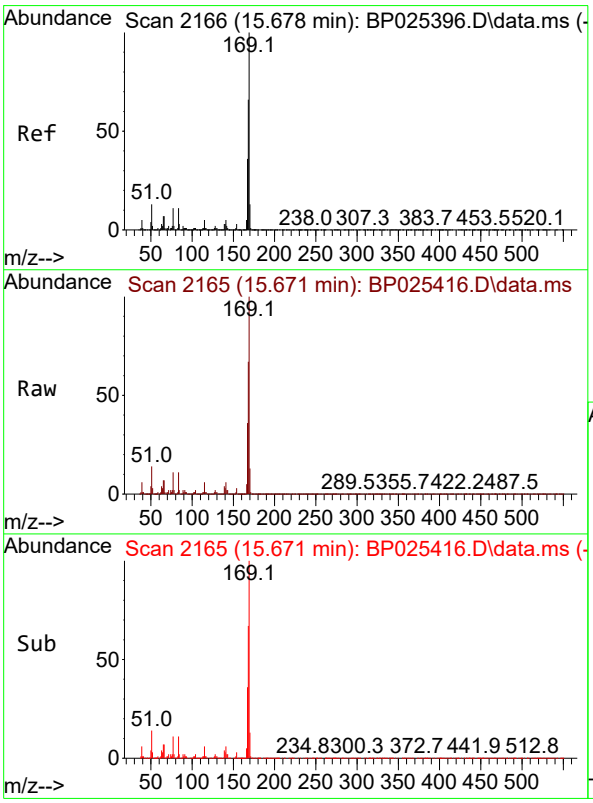
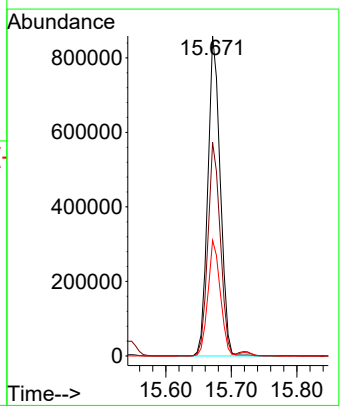
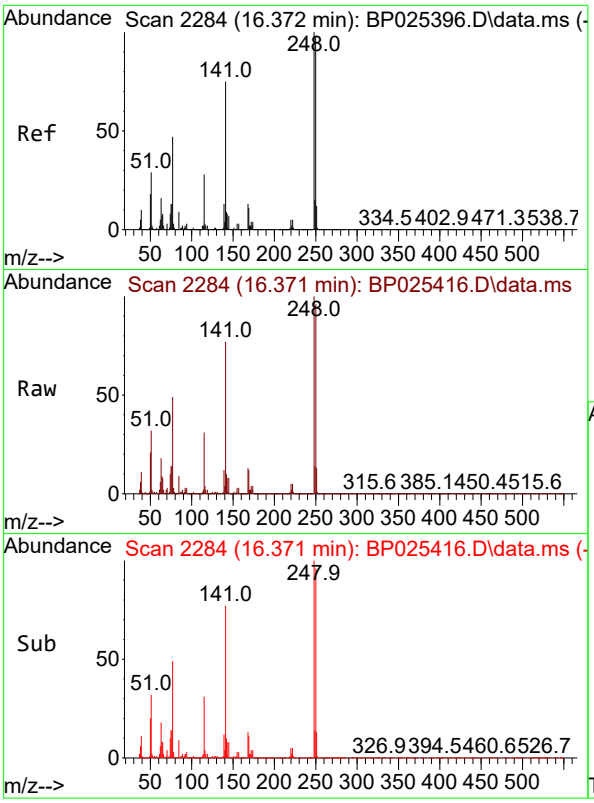


#66
n-Nitrosodiphenylamine
Concen: 44.385 ng
RT: 15.671 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:169 Resp: 1133759

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 44.752 ng
RT: 16.371 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:248 Resp: 41229

Ion	Ratio	Lower	Upper
248	100		
250	96.3	78.2	117.2
141	77.3	59.6	89.4

Instrument :
BNA_P
ClientSampleId :
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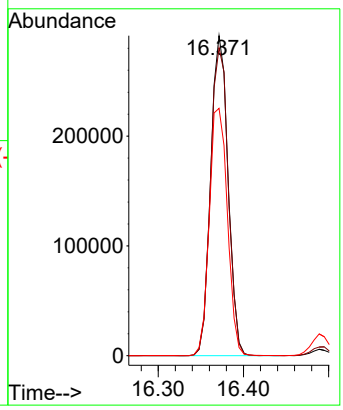
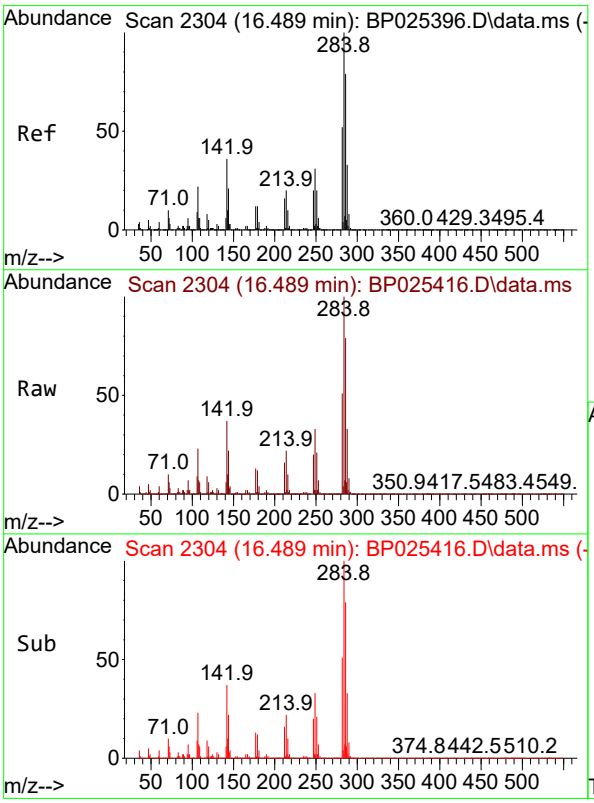
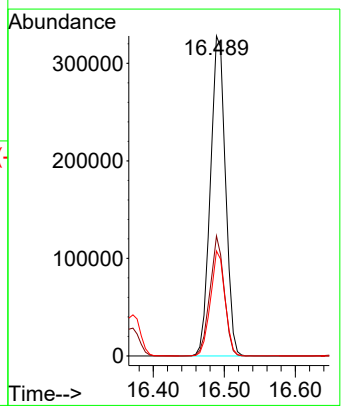


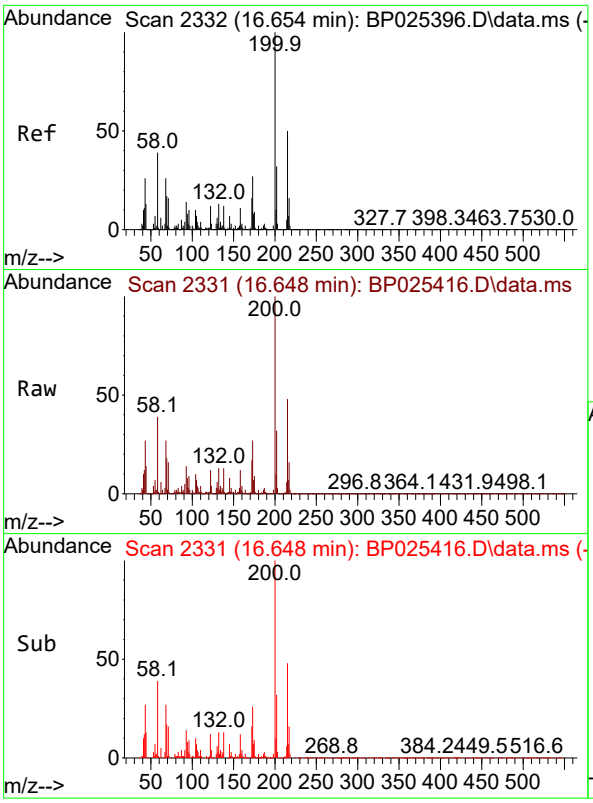


#68
Hexachlorobenzene
Concen: 45.155 ng
RT: 16.489 min Scan# 2304
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:284 Resp: 482237

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.1	43.7
249	32.8	25.0	37.4

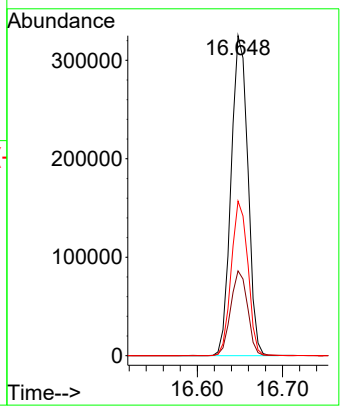




#69
Atrazine
Concen: 46.417 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:200 Resp: 44403

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	48.3	29.7	69.7



Instrument :
BNA_P
ClientSampleId :
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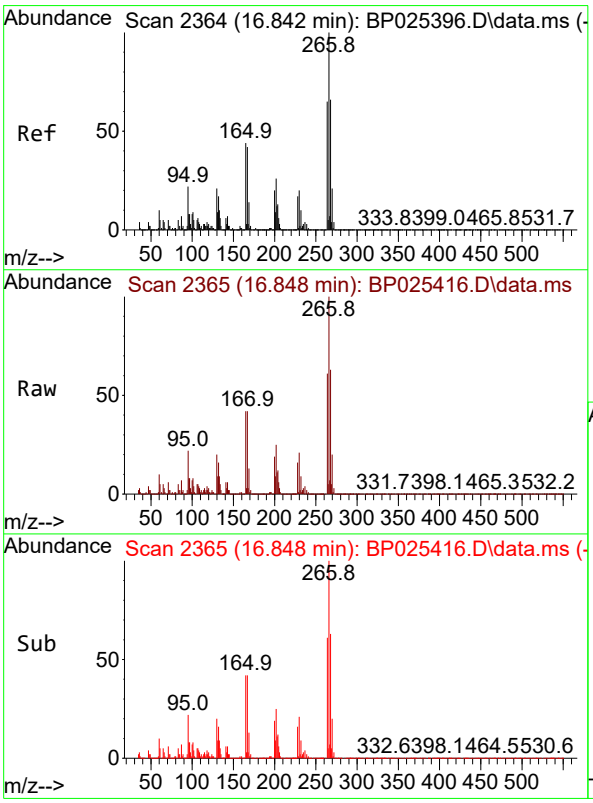
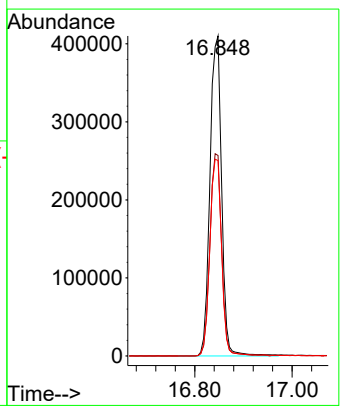
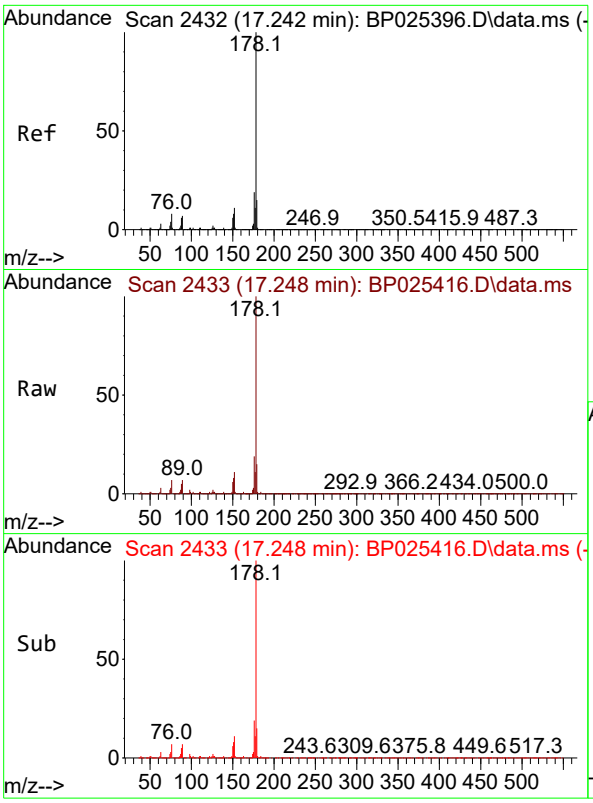


#70
Pentachlorophenol
Concen: 100.512 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:266 Resp: 677601

Ion	Ratio	Lower	Upper
266	100		
268	62.7	52.6	79.0
264	61.0	52.0	78.0

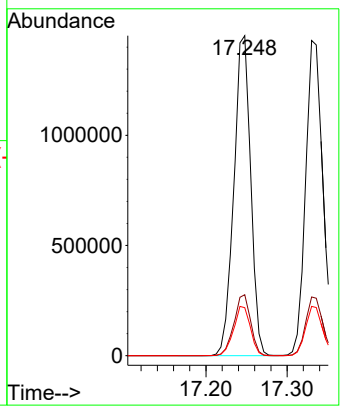




#71
Phenanthrene
Concen: 45.316 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:178 Resp: 208527

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.0	12.2	18.4



Instrument :
BNA_P
ClientSampleId :
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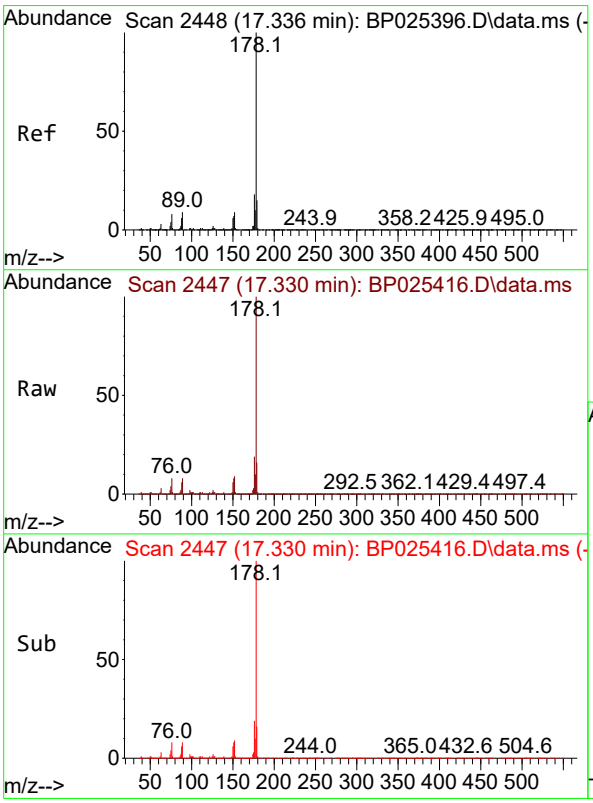
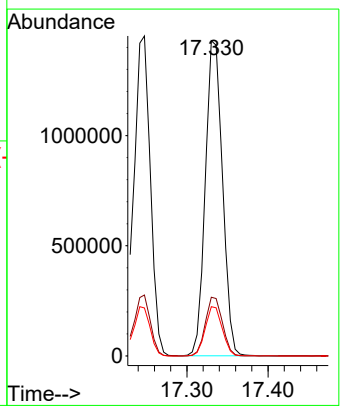
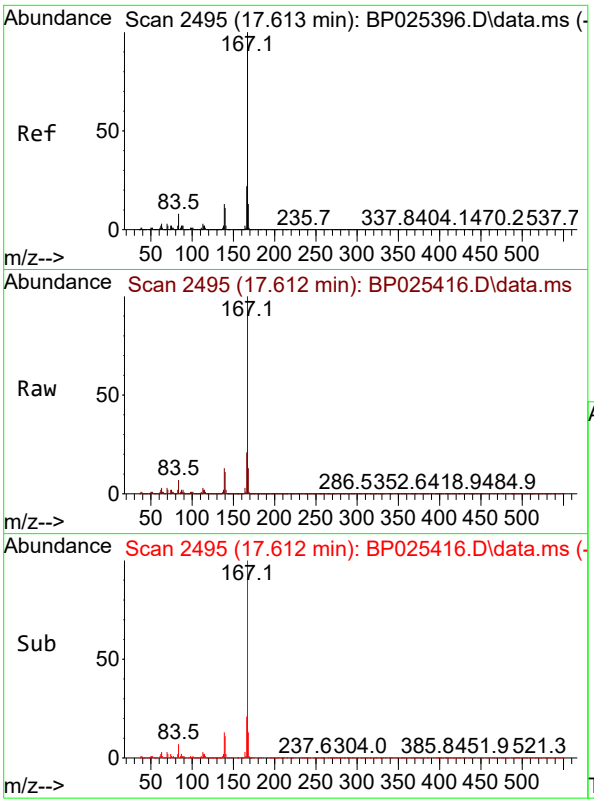


#72
Anthracene
Concen: 44.651 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:178 Resp: 2098232

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.6	12.2	18.2

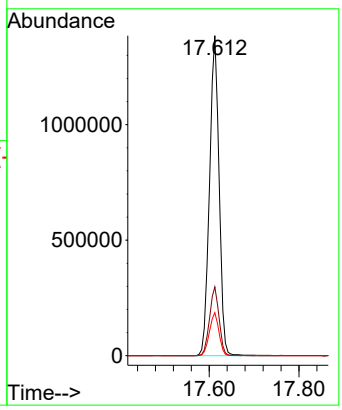




#73
Carbazole
Concen: 46.257 ng
RT: 17.612 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:167 Resp: 204740

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.5	10.6	16.0



Instrument :
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ClientSampleId :
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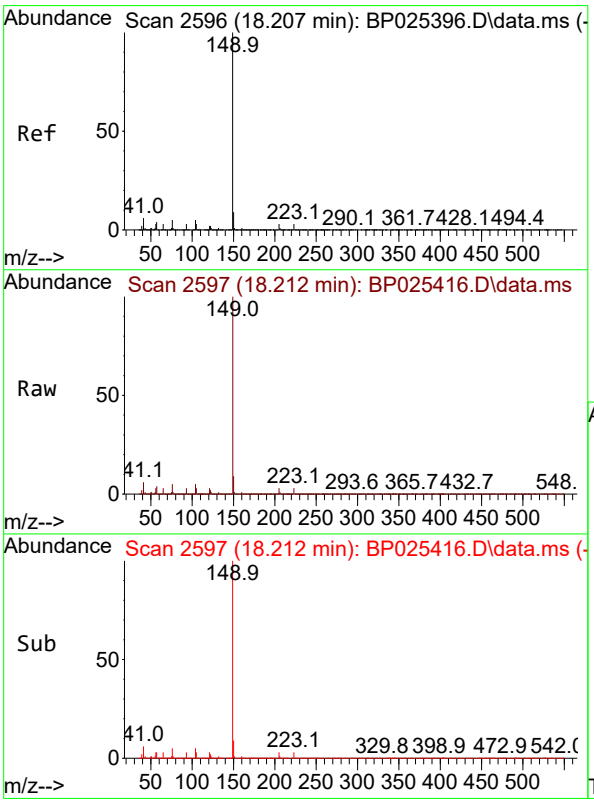
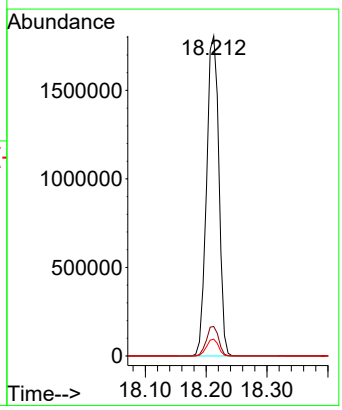
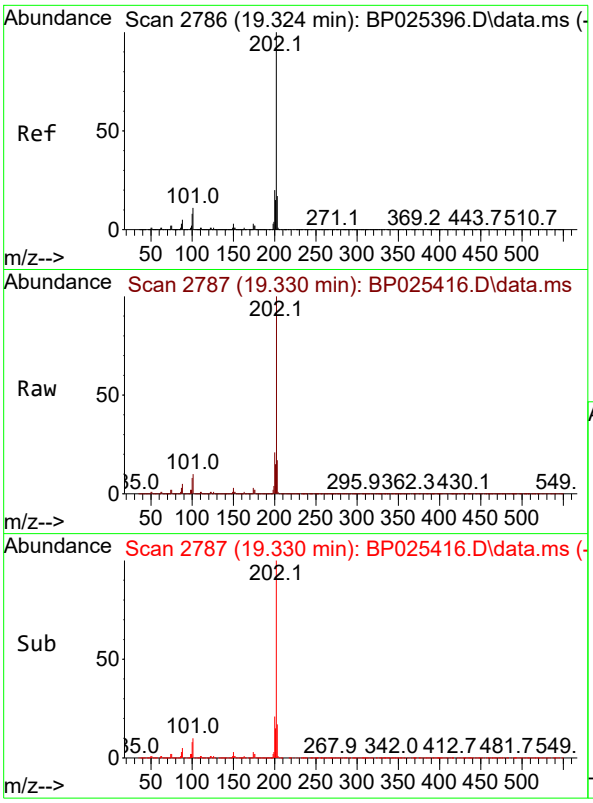


#74
Di-n-butylphthalate
Concen: 46.503 ng
RT: 18.212 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 2532382

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.3	4.2	6.2

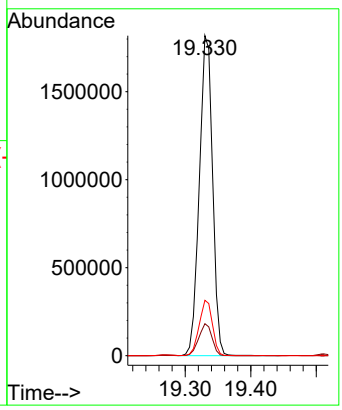




#75
Fluoranthene
Concen: 46.606 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:202 Resp: 255814

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.3	0.0	37.3



Instrument :
BNA_P
ClientSampleId :
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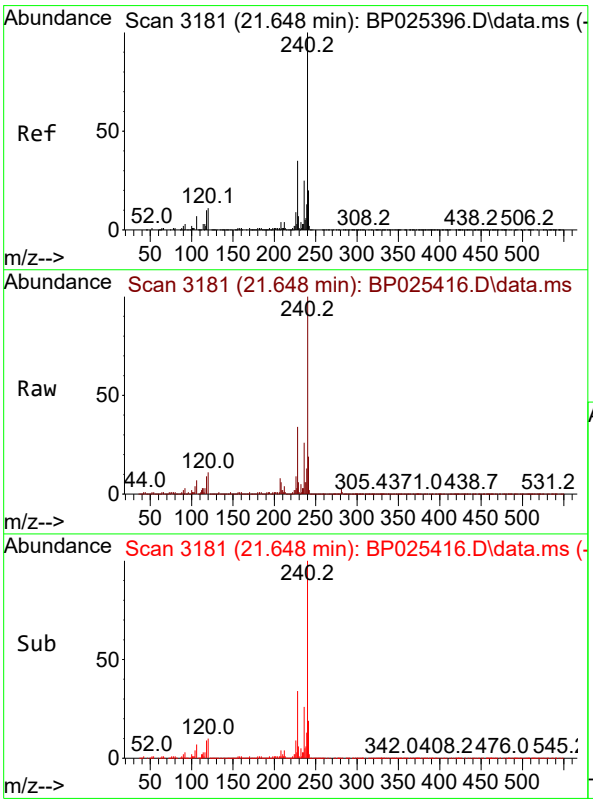
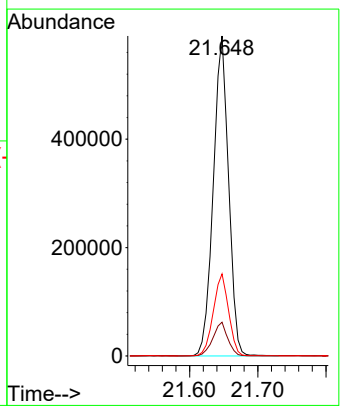
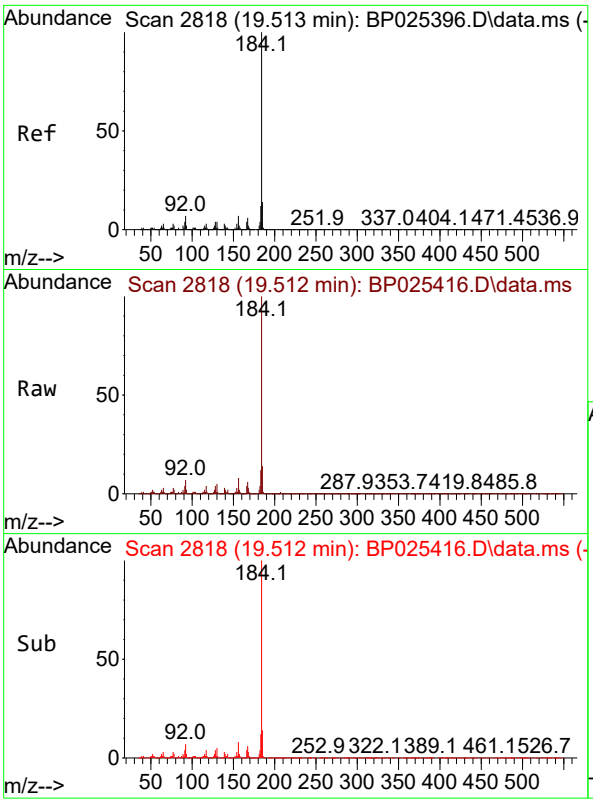


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:240 Resp: 921761

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.7	19.8	29.8

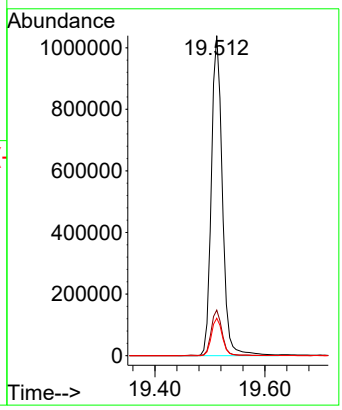




#77
Benzidine
Concen: 45.975 ng
RT: 19.512 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:184 Resp: 144626

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	11.7	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
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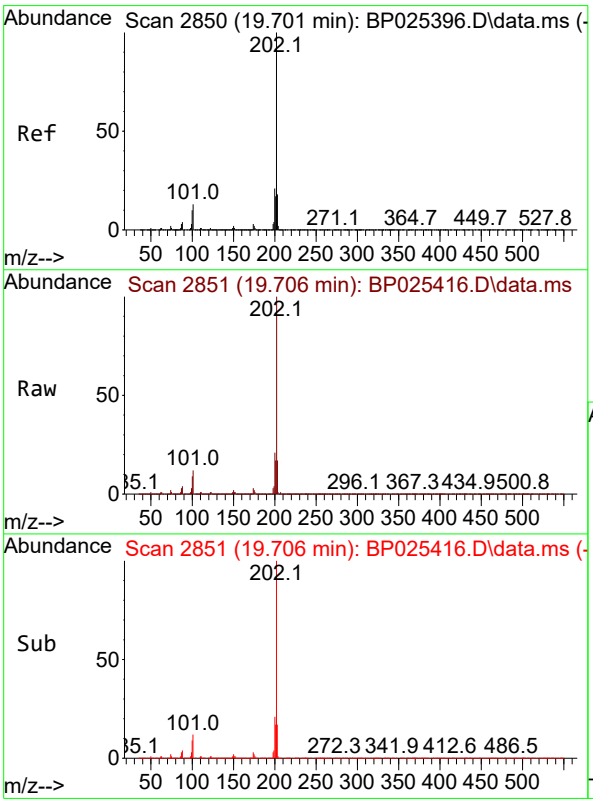
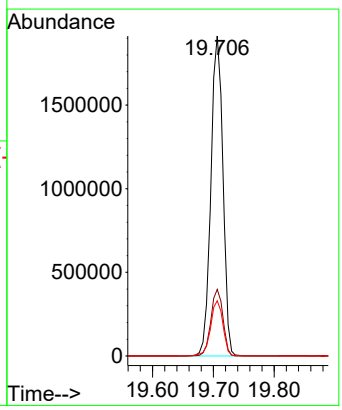
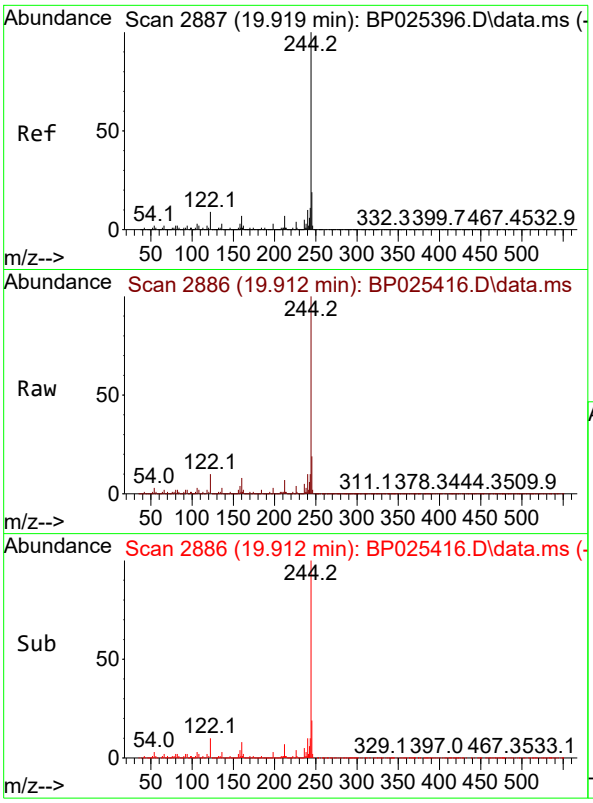


#78
Pyrene
Concen: 43.865 ng
RT: 19.706 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:202 Resp: 2628017

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.3	14.2	21.2

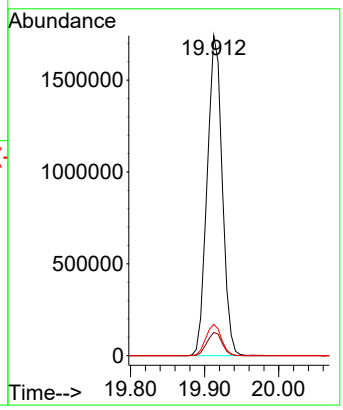




#79
Terphenyl-d14
Concen: 48.846 ng
RT: 19.912 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:244 Resp: 246092

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.8	7.4	11.2



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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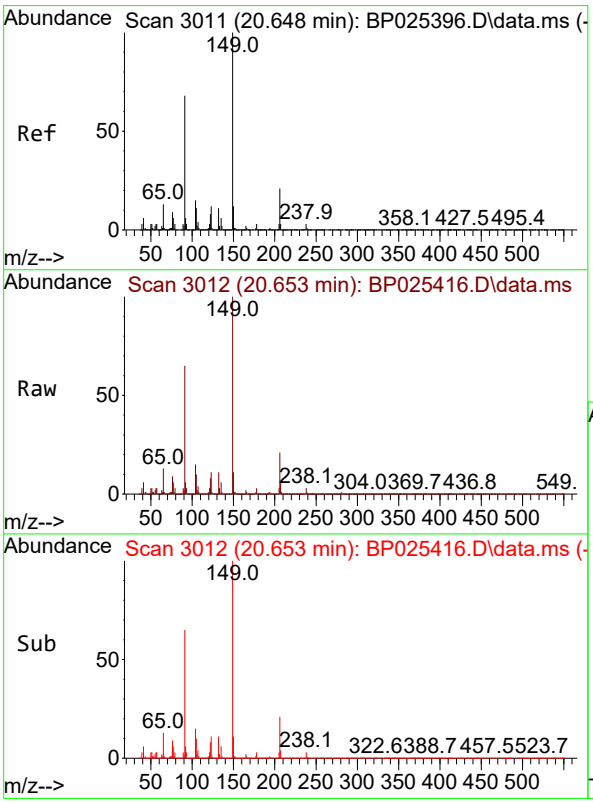
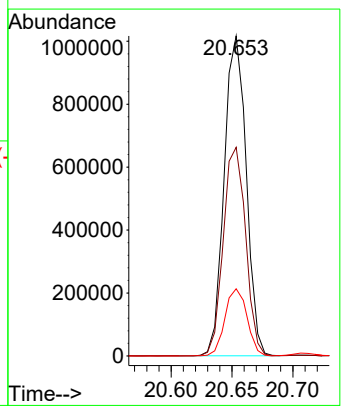
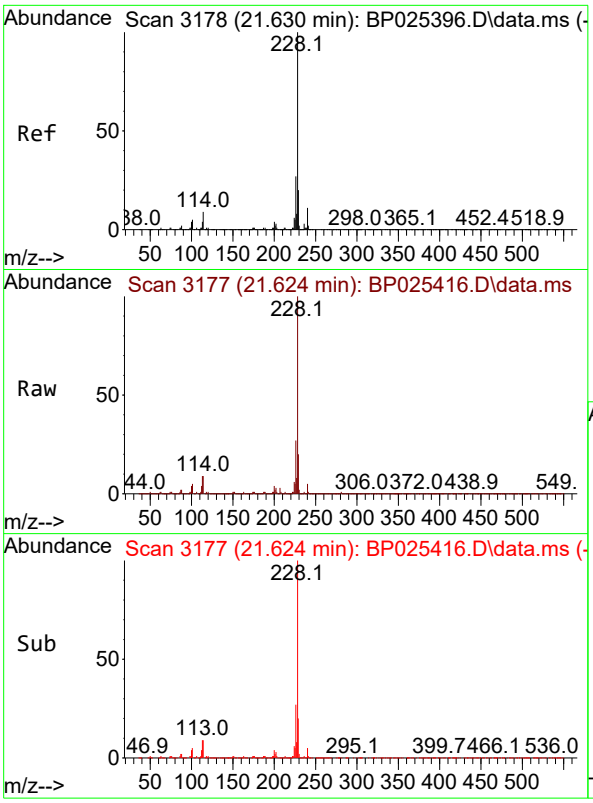


#80
Butylbenzylphthalate
Concen: 47.155 ng
RT: 20.653 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1280380

Ion	Ratio	Lower	Upper
149	100		
91	65.2	54.2	81.2
206	21.0	16.6	24.8

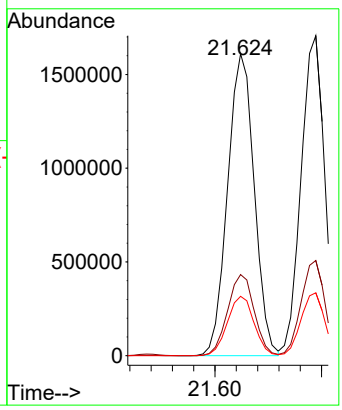




#81
Benzo(a)anthracene
Concen: 46.064 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:228 Resp: 280026

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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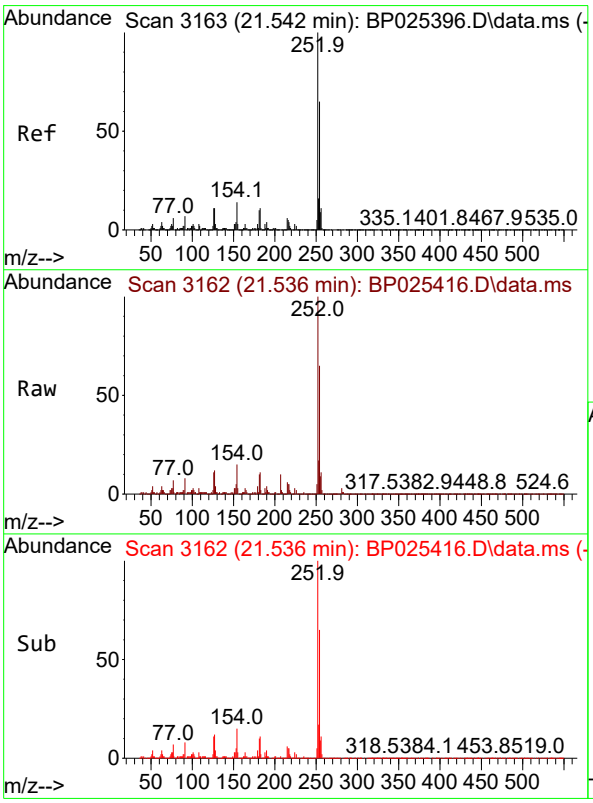
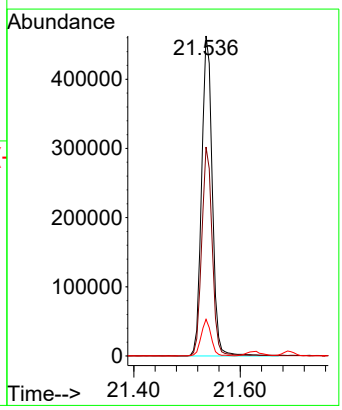
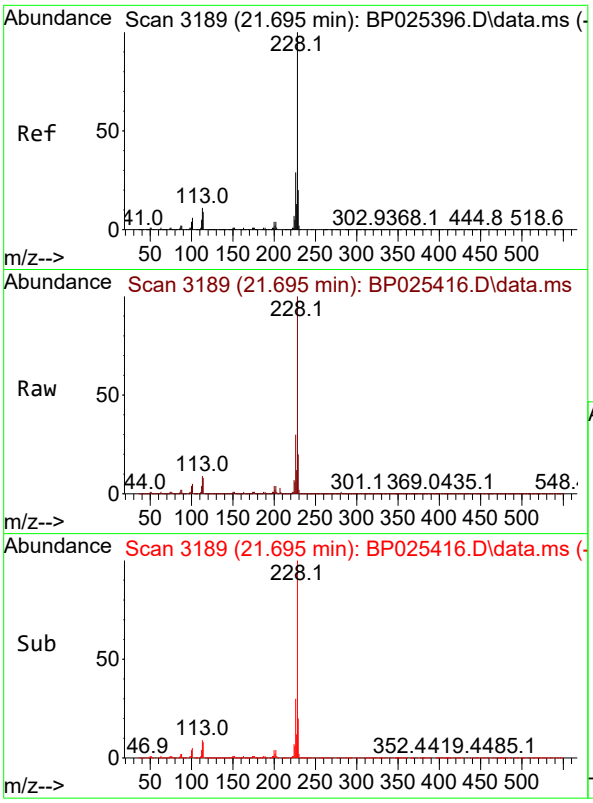


#82
3,3'-Dichlorobenzidine
Concen: 27.944 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 640279

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.8	77.6
126	11.4	9.1	13.7





#83
Chrysene
Concen: 46.284 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:228 Resp: 263496

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.7	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
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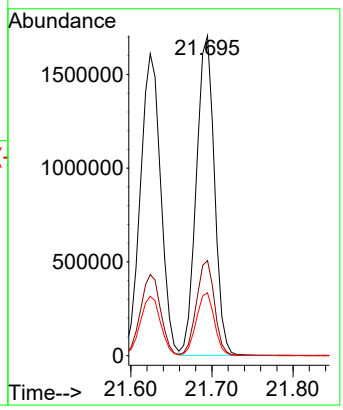
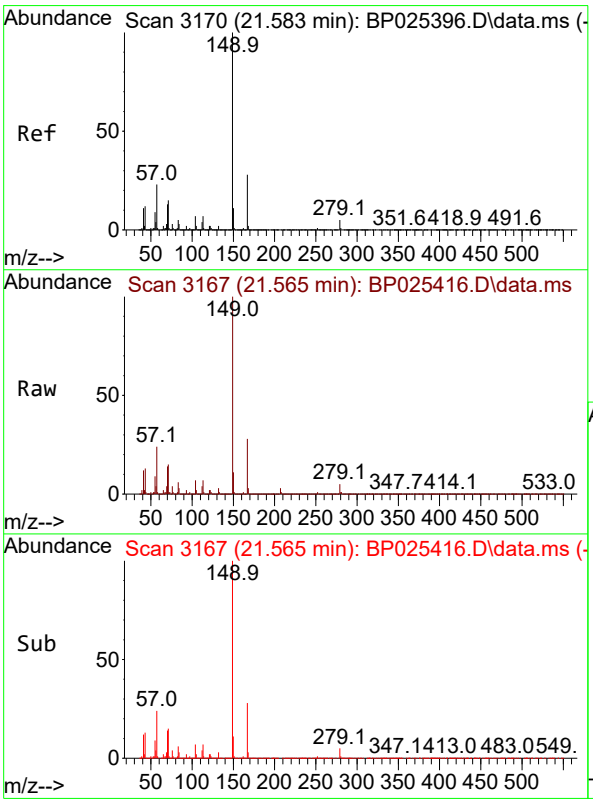
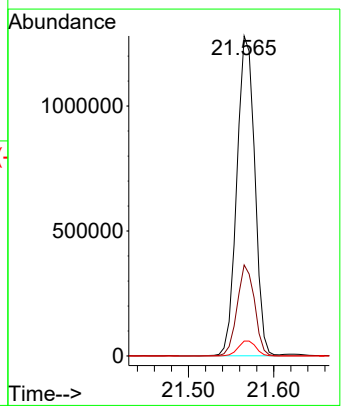


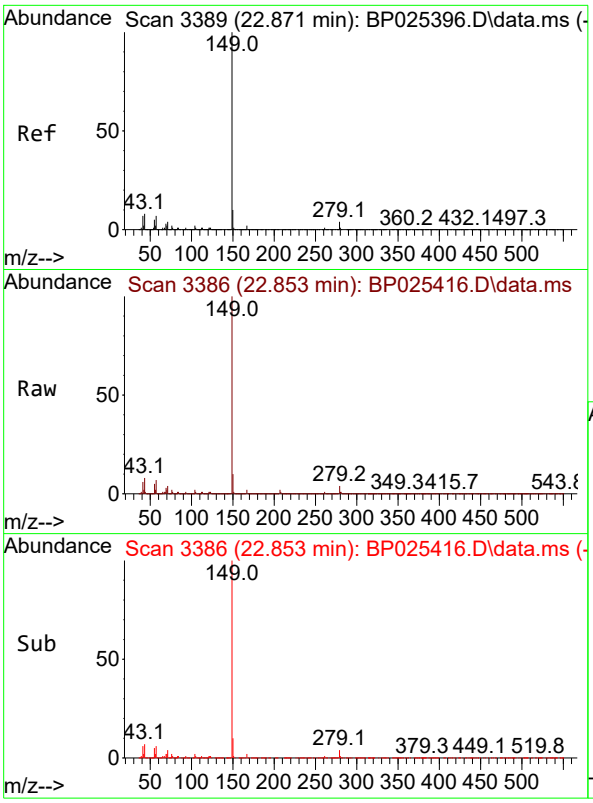


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.787 ng
RT: 21.565 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1870070

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	4.7	3.8	5.6

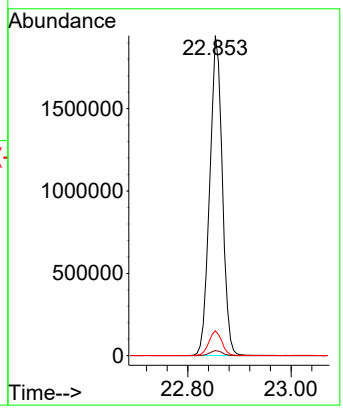




#85
Di-n-octyl phthalate
Concen: 47.830 ng
RT: 22.853 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 328831

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5



Instrument :
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ClientSampleId :
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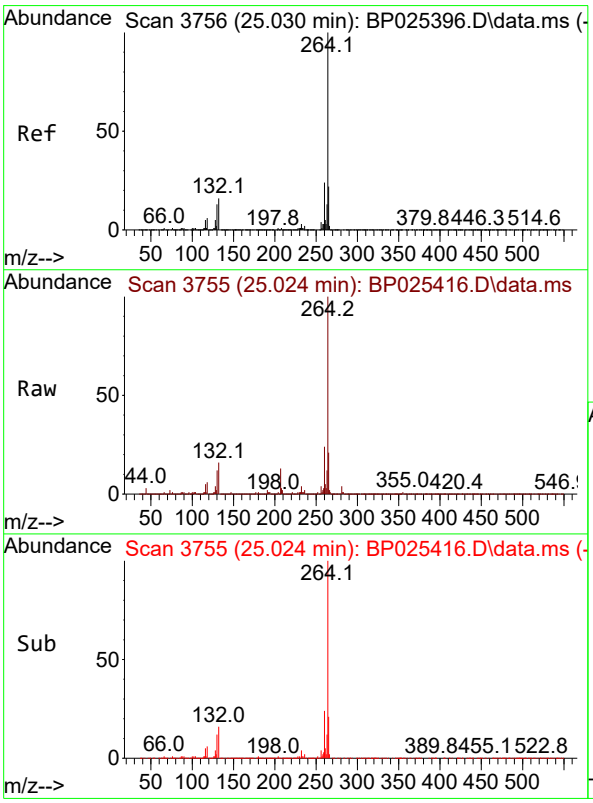
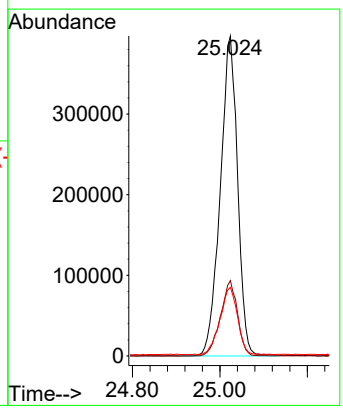
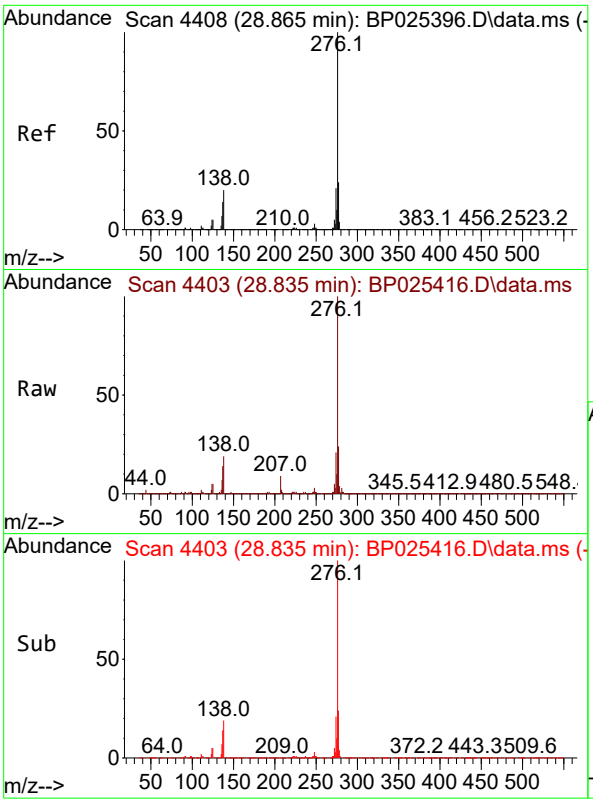


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:264 Resp: 1086411

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.4	17.4	26.0

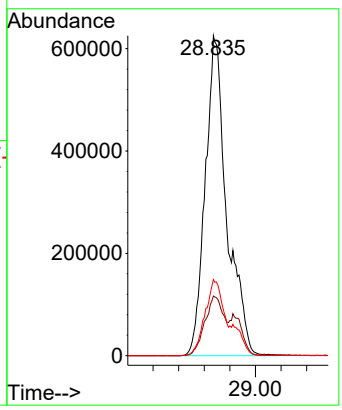




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.019 ng m
RT: 28.835 min Scan# 4
Delta R.T. -0.030 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:276 Resp: 366491

Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.9	19.3
277	21.0	17.0	25.6



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

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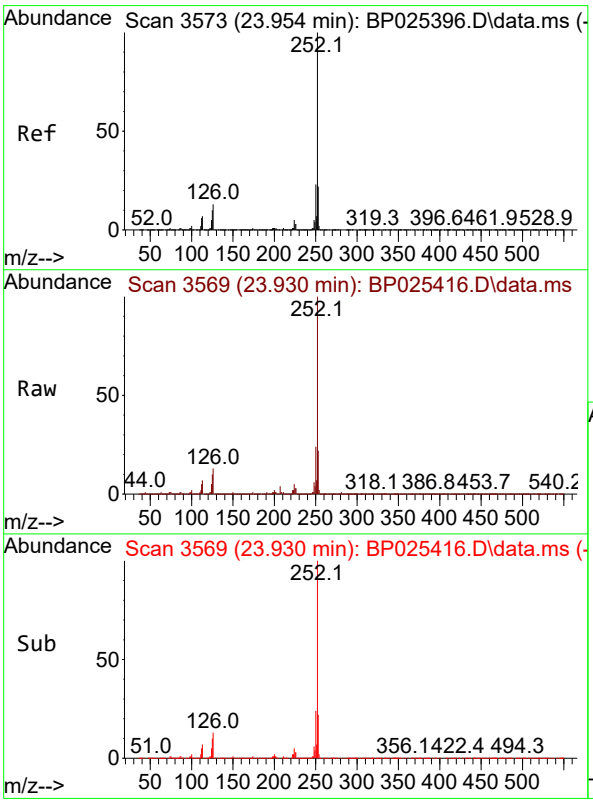
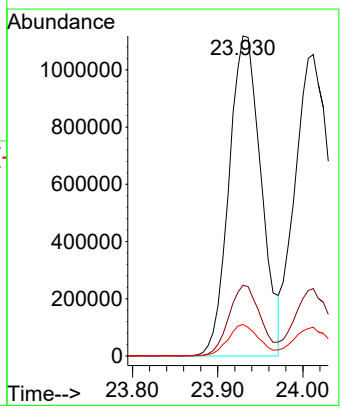
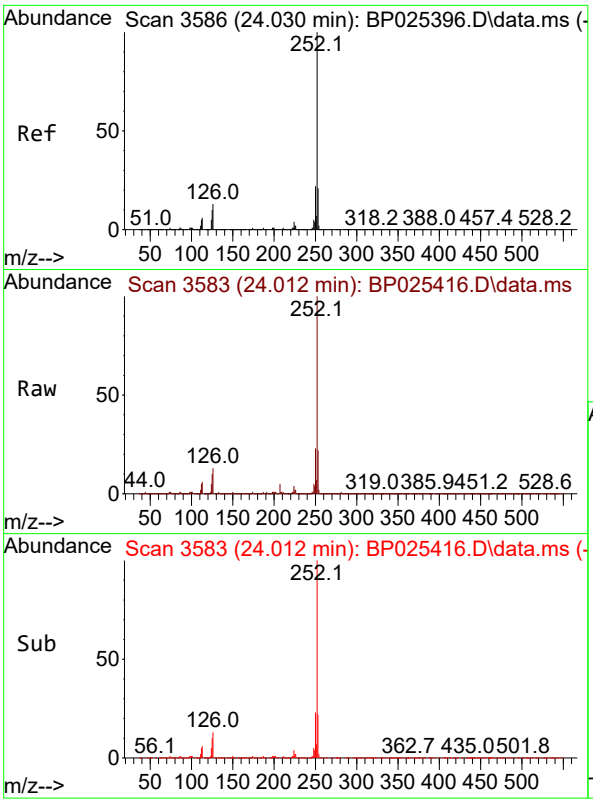


#88
Benzo(b)fluoranthene
Concen: 45.844 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.024 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 2936896

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	7.9	11.9





#89
Benzo(k)fluoranthene
Concen: 46.081 ng
RT: 24.012 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

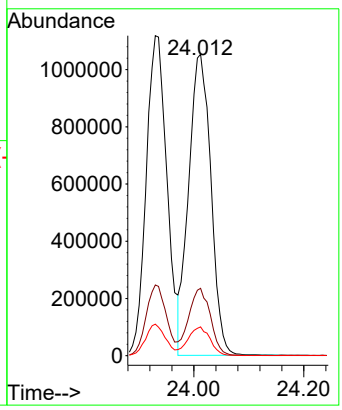
Tgt Ion:252 Resp: 295408

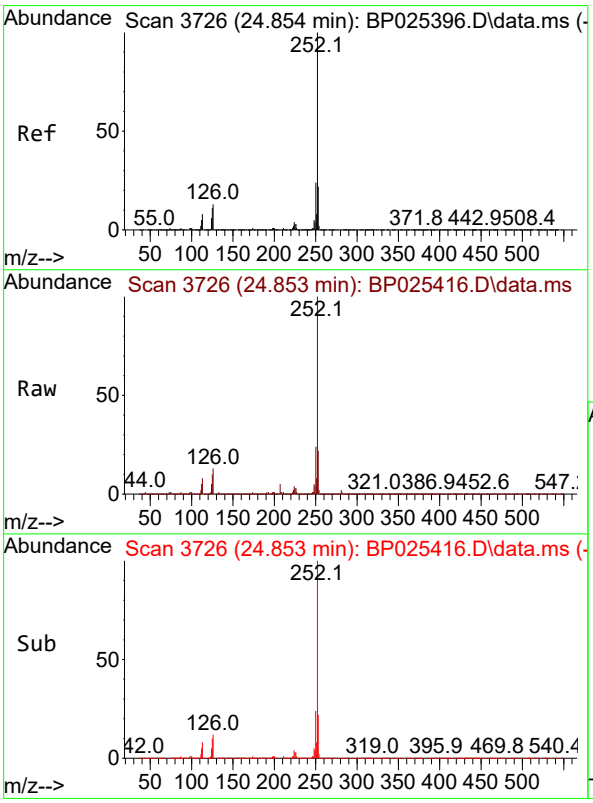
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	9.6	7.8	11.6

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

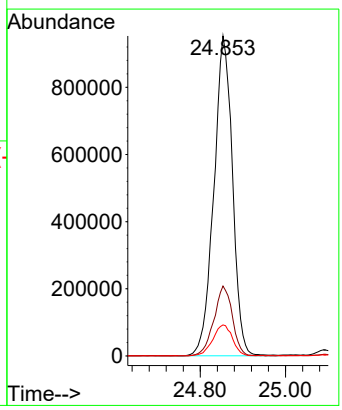


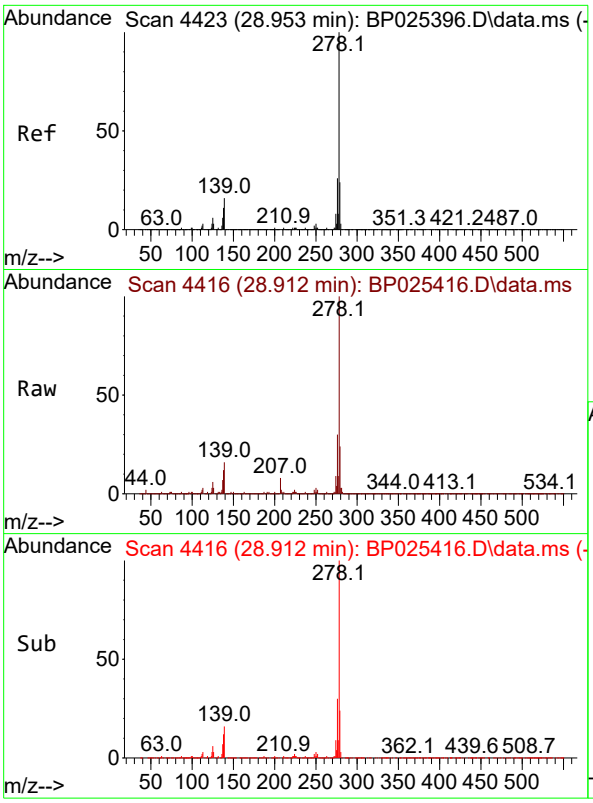


#90
Benzo(a)pyrene
Concen: 46.372 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 2891770

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.7	8.7	13.1

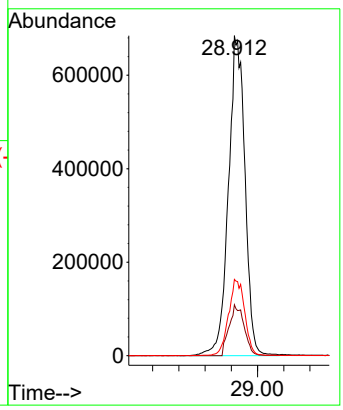




#91
Dibenzo(a,h)anthracene
Concen: 46.035 ng
RT: 28.912 min Scan# 4
Delta R.T. -0.042 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:278 Resp: 299731

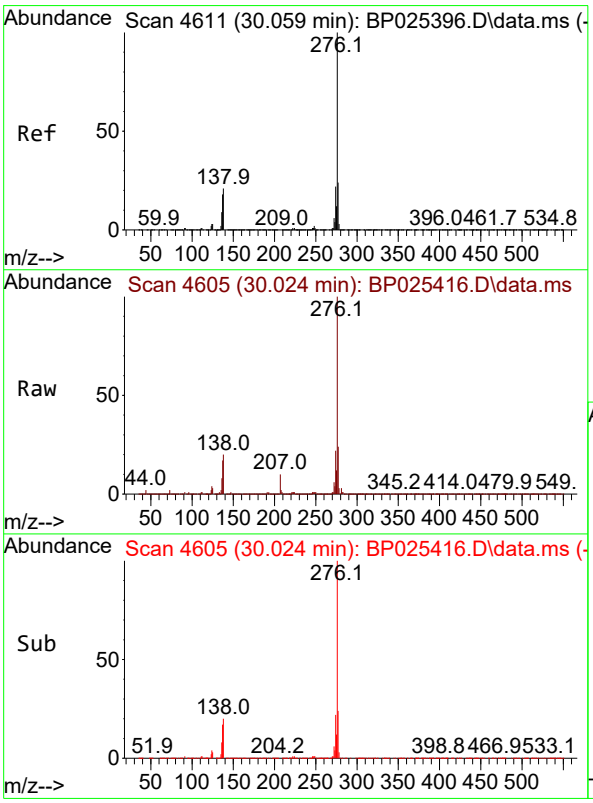
Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.4
279	23.9	19.4	29.2



Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Manual Integrations APPROVED

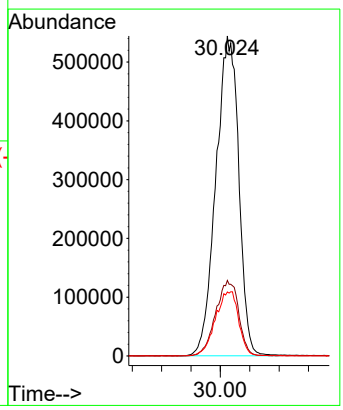
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 45.726 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.036 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:276 Resp: 2926520

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	20.0	16.7	25.1



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	870		120	200	240	ug/Kg
108-95-2	Phenol	1100		16.4	96.2	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.0	96.2	130	ug/Kg
95-57-8	2-Chlorophenol	1200		18.1	96.2	130	ug/Kg
95-48-7	2-Methylphenol	1200		22.1	96.2	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	96.2	130	ug/Kg
98-86-2	Acetophenone	1100		21.8	96.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1100		30.4	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.1	59.2	59.2	ug/Kg
67-72-1	Hexachloroethane	1200		13.0	96.2	130	ug/Kg
98-95-3	Nitrobenzene	1200		13.5	96.2	130	ug/Kg
78-59-1	Isophorone	1200		24.3	96.2	130	ug/Kg
88-75-5	2-Nitrophenol	1400		43.1	96.2	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		48.0	96.2	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		22.8	96.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.0	96.2	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	96.2	130	ug/Kg
106-47-8	4-Chloroaniline	550		26.2	96.2	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.7	96.2	130	ug/Kg
105-60-2	Caprolactam	1500		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		21.2	96.2	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	96.2	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2700	E	85.9	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		14.7	96.2	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.5	96.2	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.1	96.2	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	96.2	130	ug/Kg
88-74-4	2-Nitroaniline	1300		35.6	96.2	130	ug/Kg
131-11-3	Dimethylphthalate	1300		20.1	96.2	130	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.4	96.2	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		24.9	96.2	130	ug/Kg
99-09-2	3-Nitroaniline	990		34.1	96.2	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.2	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	2400	E	79.2	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.2	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		37.1	96.2	130	ug/Kg
84-66-2	Diethylphthalate	1400		21.0	96.2	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		19.8	96.2	130	ug/Kg
86-73-7	Fluorene	1100		18.7	96.2	130	ug/Kg
100-01-6	4-Nitroaniline	1500		47.5	96.2	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		76.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		24.4	96.2	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.6	96.2	130	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.7	96.2	130	ug/Kg
1912-24-9	Atrazine	1400		25.2	96.2	130	ug/Kg
87-86-5	Pentachlorophenol	2500	E	38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	96.2	130	ug/Kg
120-12-7	Anthracene	1100		24.7	96.2	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.2	130	ug/Kg
84-74-2	Di-n-butylphthalate	1700		35.5	96.2	130	ug/Kg
206-44-0	Fluoranthene	1300		22.2	96.2	130	ug/Kg
129-00-0	Pyrene	1200		26.7	96.2	130	ug/Kg
85-68-7	Butylbenzylphthalate	2300	E	52.9	96.2	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	96.2	130	ug/Kg
218-01-9	Chrysene	1200		14.7	96.2	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		43.8	96.2	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		64.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		14.1	96.2	130	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143368.D	1	08/12/25 09:15	08/13/25 11:42	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		16.6	96.2	130	ug/Kg
50-32-8	Benzo(a)pyrene	1200		21.8	96.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.5	96.2	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		20.3	96.2	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	96.2	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	96.2	130	ug/Kg
123-91-1	1,4-Dioxane	980		33.5	96.2	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		20.3	96.2	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.8		35 - 115		65%	SPK: 150
13127-88-3	Phenol-d6	101		34 - 127		67%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.3		37 - 122		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.9		44 - 115		66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		39 - 132		95%	SPK: 150
1718-51-0	Terphenyl-d14	77.5		54 - 127		78%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	182000	6.928				
1146-65-2	Naphthalene-d8	708000	8.21				
15067-26-2	Acenaphthene-d10	401000	9.969				
1517-22-2	Phenanthrene-d10	660000	11.451				
1719-03-5	Chrysene-d12	401000	14.092				
1520-96-3	Perylene-d12	381000	15.58				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	182122	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	707644	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	400799	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	660496	20.000	ng		0.00
76) Chrysene-d12	14.092	240	401162	20.000	ng		0.00
86) Perylene-d12	15.580	264	380758	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.575	112	1030173	97.815	ng		0.01
7) Phenol-d6	6.569	99	1365162	101.081	ng		0.00
23) Nitrobenzene-d5	7.487	82	878016	77.266	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	416362	142.146	ng		0.00
45) 2-Fluorobiphenyl	9.287	172	1556632	65.860	ng		0.00
79) Terphenyl-d14	13.033	244	1742522	77.549	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.852	88	216902	39.800	ng		99
3) Pyridine	3.610	79	587317	40.442	ng		98
4) n-Nitrosodimethylamine	3.552	42	317834	46.983	ng		99
6) Aniline	6.593	93	623006	32.720	ng	#	85
8) 2-Chlorophenol	6.722	128	538312	47.835	ng		97
9) Benzaldehyde	6.481	77	312941	35.058	ng		99
10) Phenol	6.581	94	683901	42.745	ng		90
11) bis(2-Chloroethyl)ether	6.663	93	535850	45.443	ng		100
12) 1,3-Dichlorobenzene	6.875	146	578637	44.578	ng		99
13) 1,4-Dichlorobenzene	6.945	146	581723	44.652	ng		99
14) 1,2-Dichlorobenzene	7.098	146	570467	46.129	ng		100
15) Benzyl Alcohol	7.069	79	492701	50.893	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	961341	45.666	ng		98
17) 2-Methylphenol	7.187	107	443333	46.670	ng		98
18) Hexachloroethane	7.445	117	202404	49.556	ng		97
19) n-Nitroso-di-n-propyla...	7.340	70	388884	46.600	ng		100
20) 3+4-Methylphenols	7.334	107	518418	45.126	ng		98
22) Acetophenone	7.334	105	694973	44.573	ng		99
24) Nitrobenzene	7.510	77	593508	48.092	ng		98
25) Isophorone	7.751	82	1117448	48.170	ng		100
26) 2-Nitrophenol	7.828	139	294278	58.630	ng		98
27) 2,4-Dimethylphenol	7.863	122	511164	52.817	ng		99
28) bis(2-Chloroethoxy)met...	7.957	93	676006	47.729	ng		100
29) 2,4-Dichlorophenol	8.069	162	468786	49.593	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	478500	47.989	ng		99
31) Naphthalene	8.234	128	1505002	44.199	ng		100
32) Benzoic acid	7.998	122	309164	65.585	ng		98
33) 4-Chloroaniline	8.275	127	272712	22.205	ng		99
34) Hexachlorobutadiene	8.351	225	288283	46.477	ng		99
35) Caprolactam	8.657	113	165196m	62.166	ng		
36) 4-Chloro-3-methylphenol	8.769	107	502504	50.708	ng		98
37) 2-Methylnaphthalene	8.922	142	946801	42.295	ng		100
38) 1-Methylnaphthalene	9.022	142	966128	44.811	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	480387	43.801	ng		99
41) Hexachlorocyclopentadiene	9.081	237	428209	108.143	ng		98
43) 2,4,6-Trichlorophenol	9.204	196	328493	52.788	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	351758	50.056	ng		100
46) 1,1'-Biphenyl	9.386	154	1270549	44.834	ng		100
47) 2-Chloronaphthalene	9.416	162	979937	43.906	ng		99
48) 2-Nitroaniline	9.504	65	340937	52.679	ng		100
49) Acenaphthylene	9.828	152	1581483	49.067	ng		99
50) Dimethylphthalate	9.686	163	1214679	51.866	ng		99
51) 2,6-Dinitrotoluene	9.745	165	268843	59.883	ng		94
52) Acenaphthene	10.004	154	1043271	48.688	ng		99
53) 3-Nitroaniline	9.916	138	192473	40.131	ng		98
54) 2,4-Dinitrophenol	10.028	184	241742	108.851	ng	#	79
55) Dibenzofuran	10.175	168	1401976	45.461	ng		99
56) 4-Nitrophenol	10.086	139	377068	97.115	ng		95
57) 2,4-Dinitrotoluene	10.151	165	367974	61.658	ng		94
58) Fluorene	10.516	166	1069858	45.419	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	302951	63.954	ng		98
60) Diethylphthalate	10.386	149	1155461	55.082	ng		98
61) 4-Chlorophenyl-phenyle...	10.504	204	544980	47.882	ng		99
62) 4-Nitroaniline	10.534	138	276498	59.587	ng		99
63) Azobenzene	10.669	77	1235605	51.569	ng		95
65) 4,6-Dinitro-2-methylph...	10.563	198	186228	66.409	ng		96
66) n-Nitrosodiphenylamine	10.622	169	962968	44.277	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	358621	47.475	ng		95
68) Hexachlorobenzene	11.069	284	376657	46.259	ng		99
69) Atrazine	11.151	200	331678	58.471	ng		99
70) Pentachlorophenol	11.263	266	403940	99.770	ng		97
71) Phenanthrene	11.480	178	1582864	43.924	ng		99
72) Anthracene	11.533	178	1617222	44.251	ng		100
73) Carbazole	11.680	167	1435658	46.126	ng		98
74) Di-n-butylphthalate	12.010	149	1806368	68.584	ng		100
75) Fluoranthene	12.669	202	1600581	50.705	ng		99
77) Benzidine	12.780	184	443223	40.413	ng		98
78) Pyrene	12.898	202	1573380	46.752	ng		99
80) Butylbenzylphthalate	13.504	149	628406	91.246	ng		98
81) Benzo(a)anthracene	14.080	228	1177706	46.189	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	240837	34.980	ng		99
83) Chrysene	14.121	228	1116683	46.969	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	801196	79.088	ng		97
85) Di-n-octyl phthalate	14.674	149	1151053	57.708	ng		96
87) Indeno(1,2,3-cd)pyrene	17.104	276	1270391	46.571	ng		99
88) Benzo(b)fluoranthene	15.145	252	1011358	48.563	ng		99
89) Benzo(k)fluoranthene	15.174	252	1035288	51.160	ng		100
90) Benzo(a)pyrene	15.521	252	987713	50.356	ng		99
91) Dibenzo(a,h)anthracene	17.121	278	1038764	47.665	ng		99
92) Benzo(g,h,i)perylene	17.562	276	1008201	45.924	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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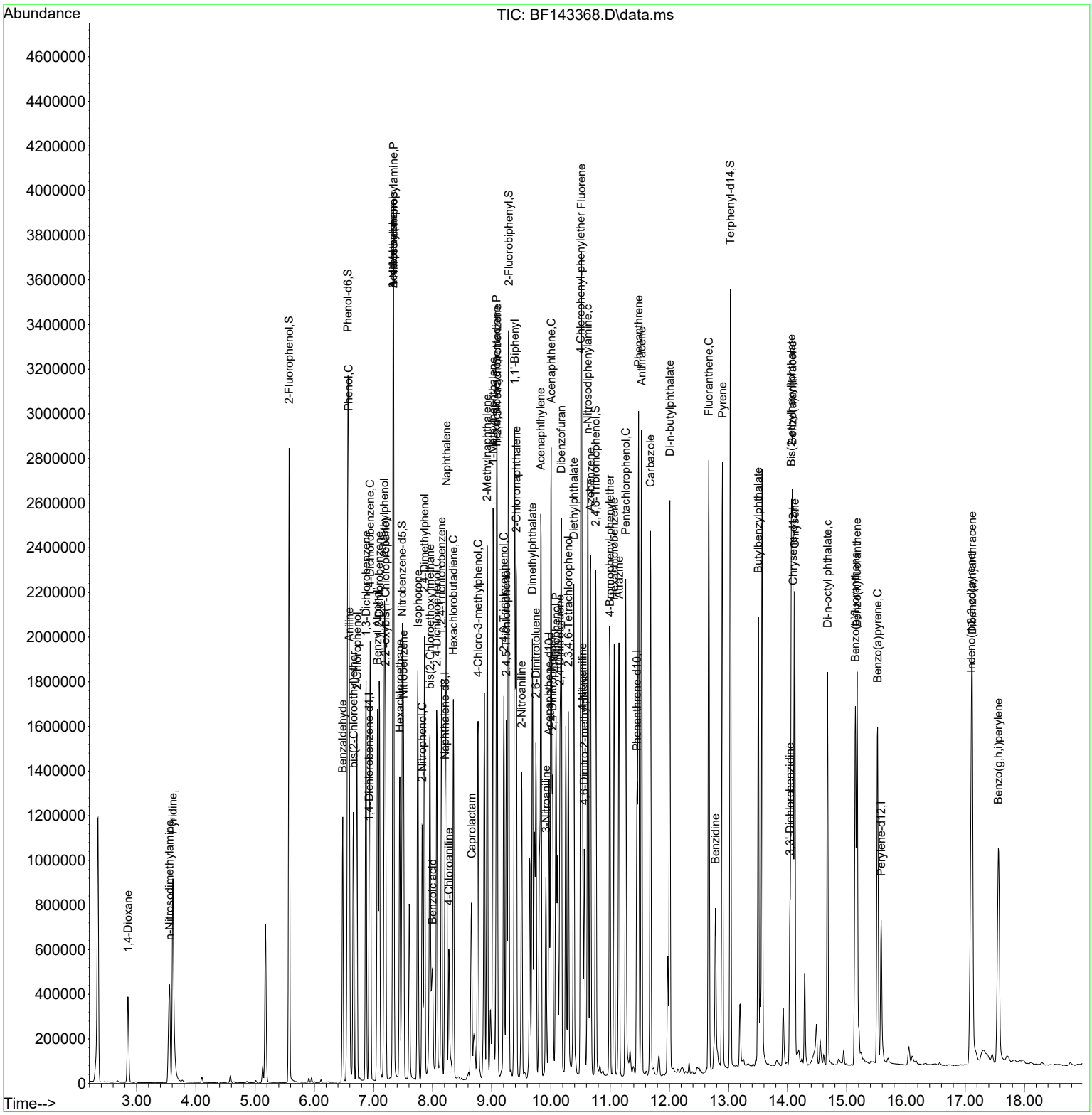
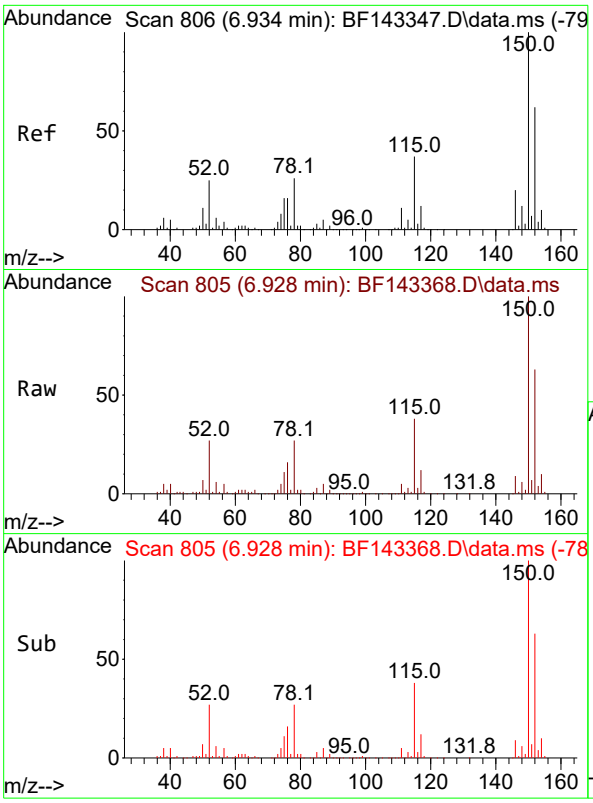
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

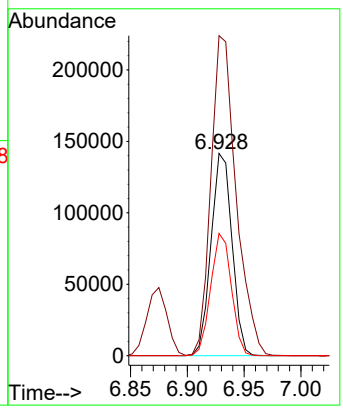




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:152 Resp: 18212

Ion	Ratio	Lower	Upper
152	100		
150	158.2	129.8	194.8
115	60.5	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
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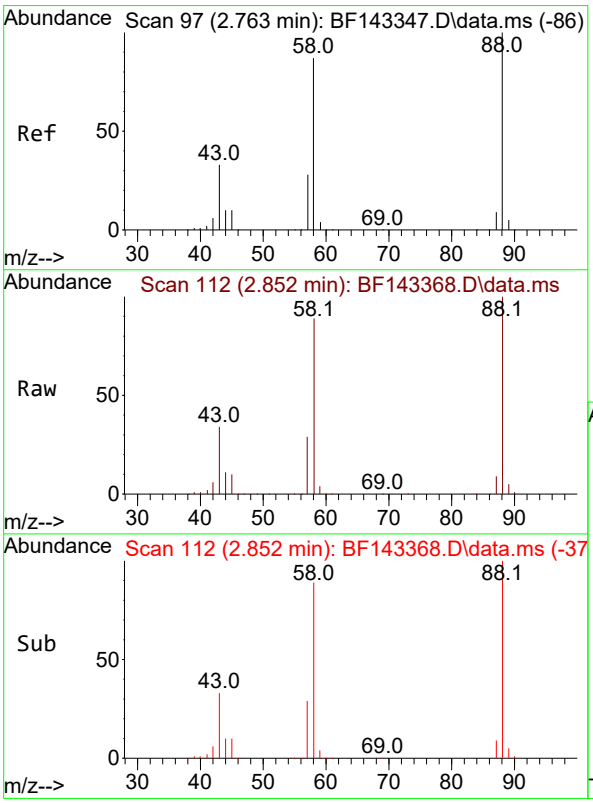
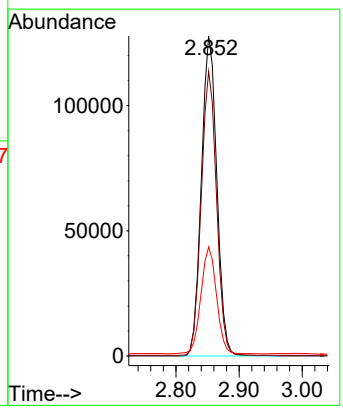
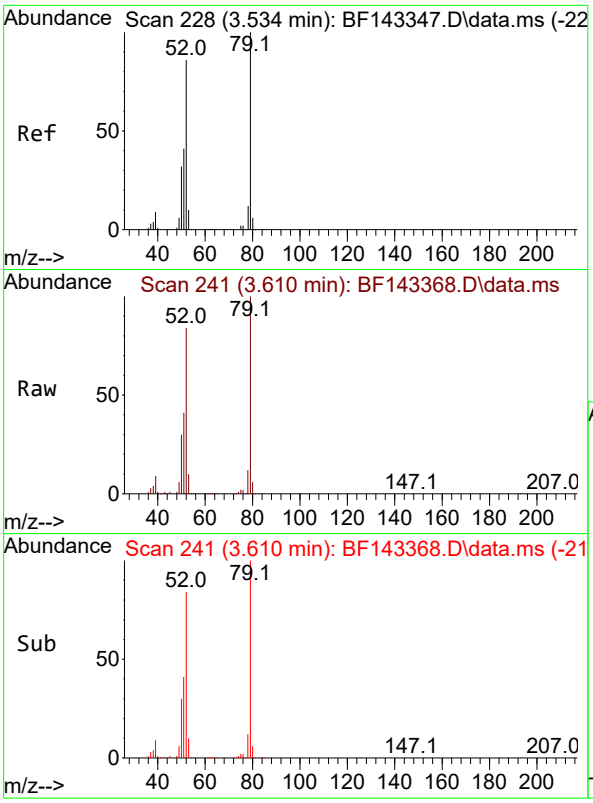


#2
1,4-Dioxane
Concen: 39.800 ng
RT: 2.852 min Scan# 112
Delta R.T. 0.088 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 88 Resp: 216902

Ion	Ratio	Lower	Upper
88	100		
58	87.7	71.0	106.6
43	33.7	27.0	40.6





#3
Pyridine
Concen: 40.442 ng
RT: 3.610 min Scan# 24
Delta R.T. 0.077 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 79 Resp: 58731

Ion	Ratio	Lower	Upper
79	100		
52	84.4	68.7	103.1
51	40.6	33.4	50.0

Instrument :
BNA_F
ClientSampleId :
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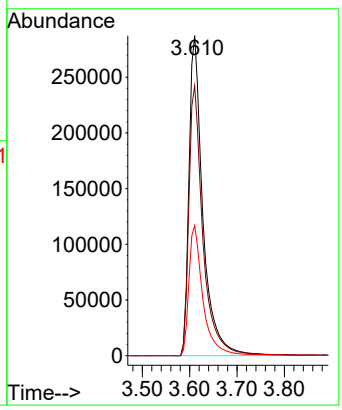
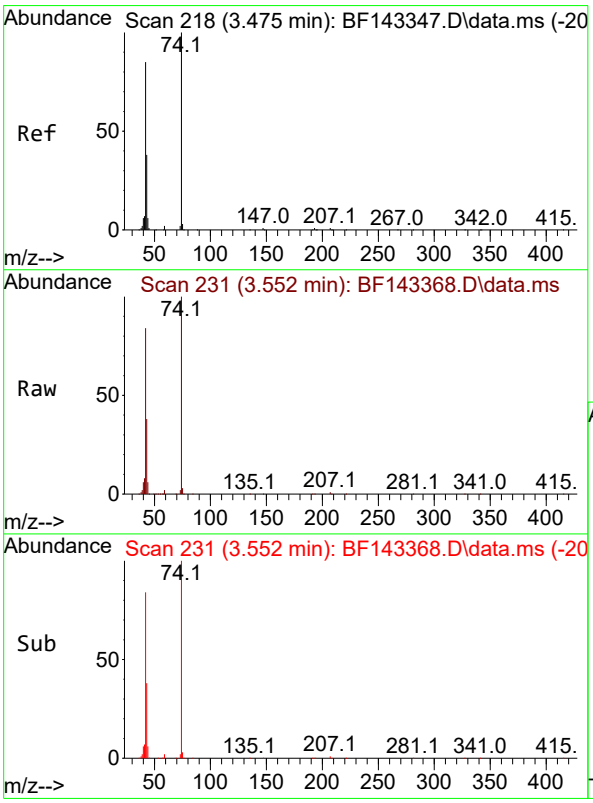
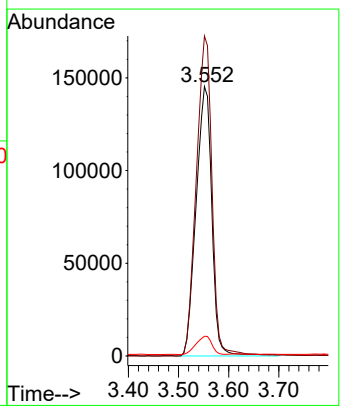


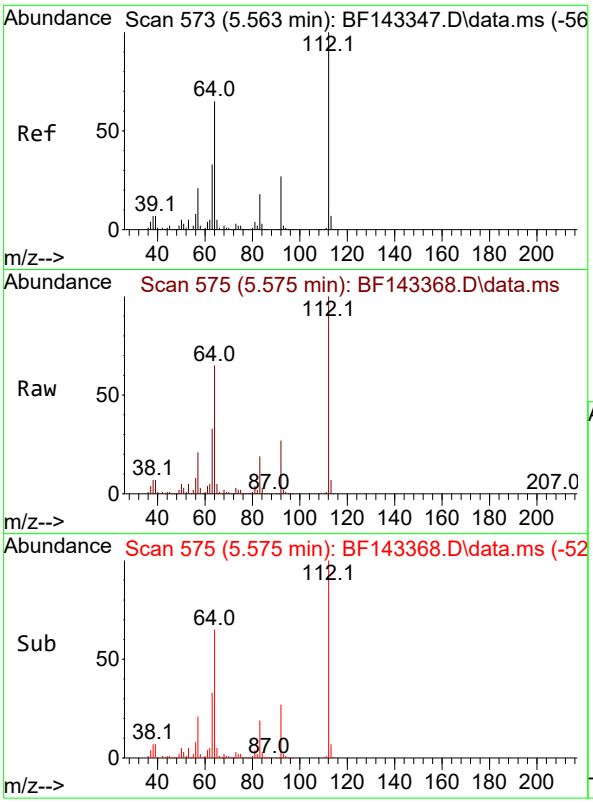


#4
n-Nitrosodimethylamine
Concen: 46.983 ng
RT: 3.552 min Scan# 231
Delta R.T. 0.076 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 42 Resp: 317834

Ion	Ratio	Lower	Upper
42	100		
74	118.8	94.1	141.1
44	7.3	6.5	9.7





#5
2-Fluorophenol
Concen: 97.815 ng
RT: 5.575 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:112 Resp: 103017

Ion	Ratio	Lower	Upper
112	100		
64	65.1	52.1	78.1
63	33.1	26.6	39.8

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

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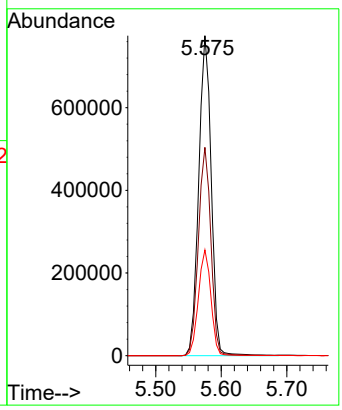
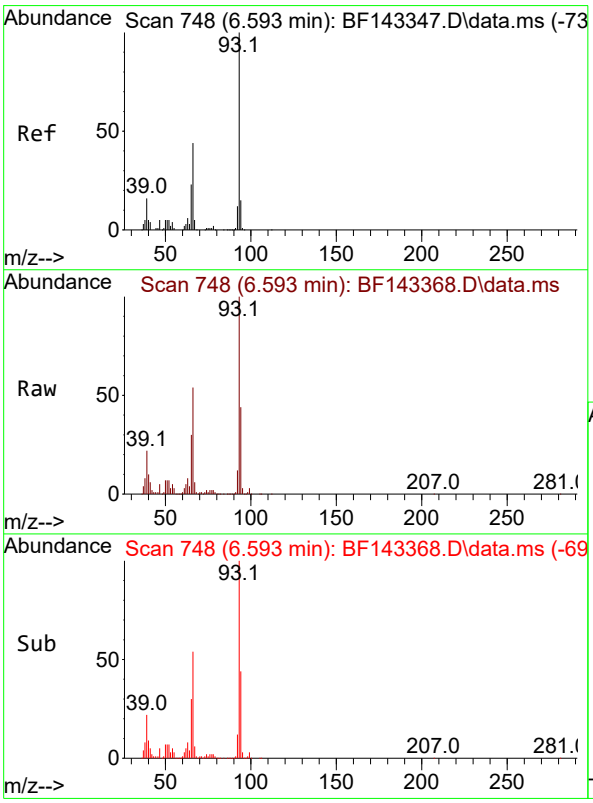
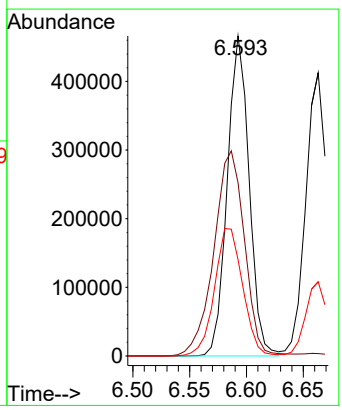


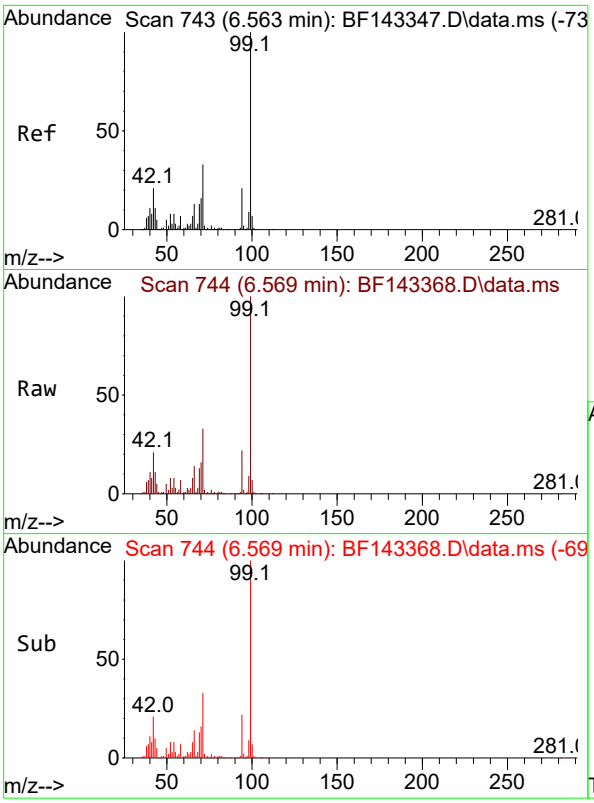


#6
Aniline
Concen: 32.720 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 93 Resp: 623006

Ion	Ratio	Lower	Upper
93	100		
66	54.2	35.3	52.9#
65	30.1	18.2	27.4#





#7
Phenol-d6
Concen: 101.081 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 99 Resp: 136516

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	25.0
71	33.3	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

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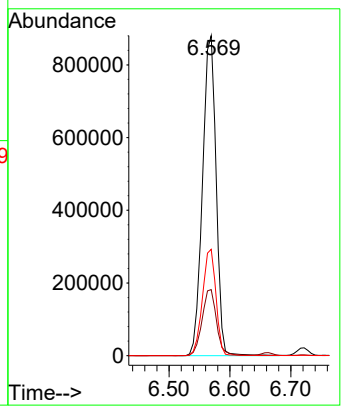
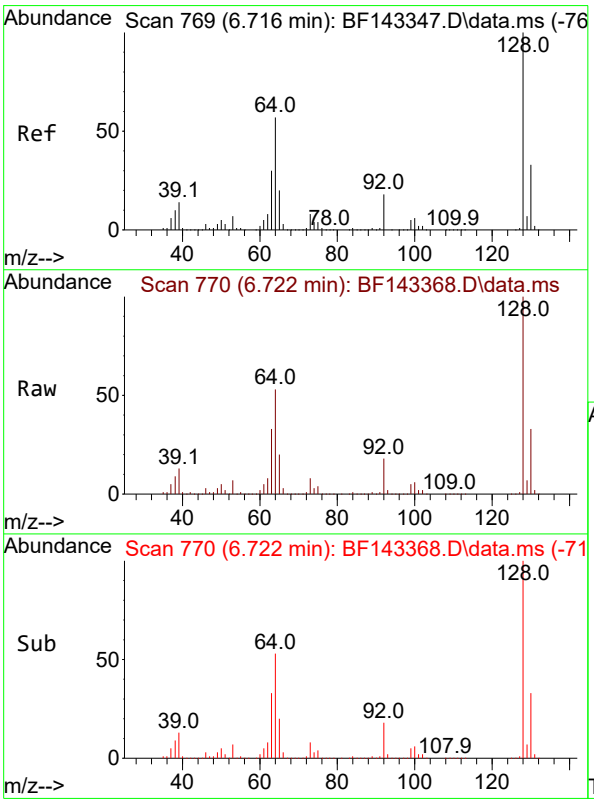
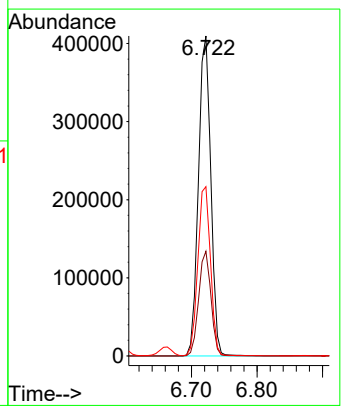


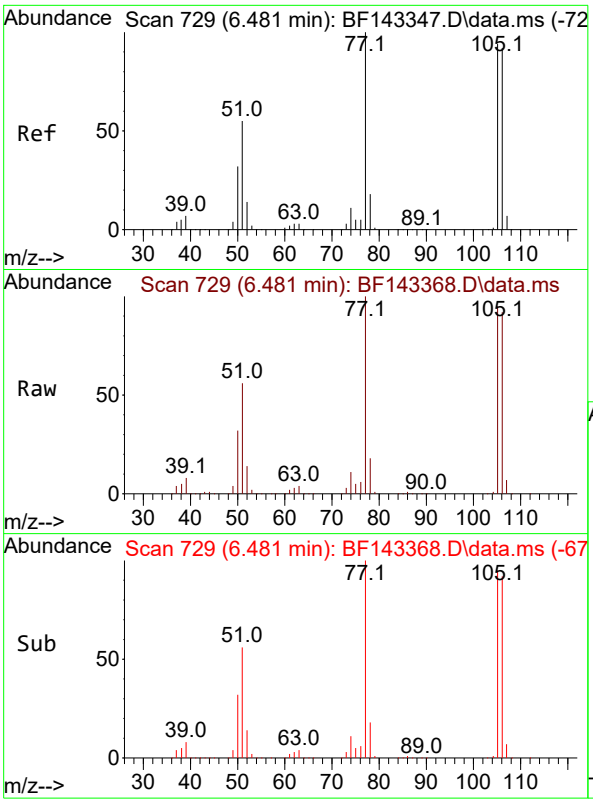


#8
2-Chlorophenol
Concen: 47.835 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:128 Resp: 538312

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	52.9	36.7	76.7

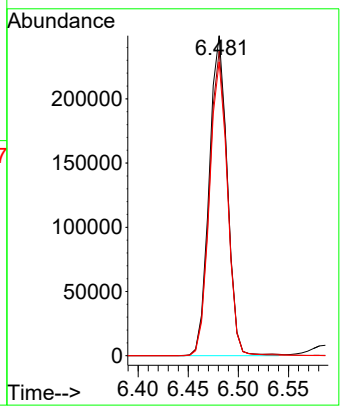




#9
Benzaldehyde
Concen: 35.058 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 77 Resp: 31294

Ion	Ratio	Lower	Upper
77	100		
105	95.1	74.2	114.2
106	91.9	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

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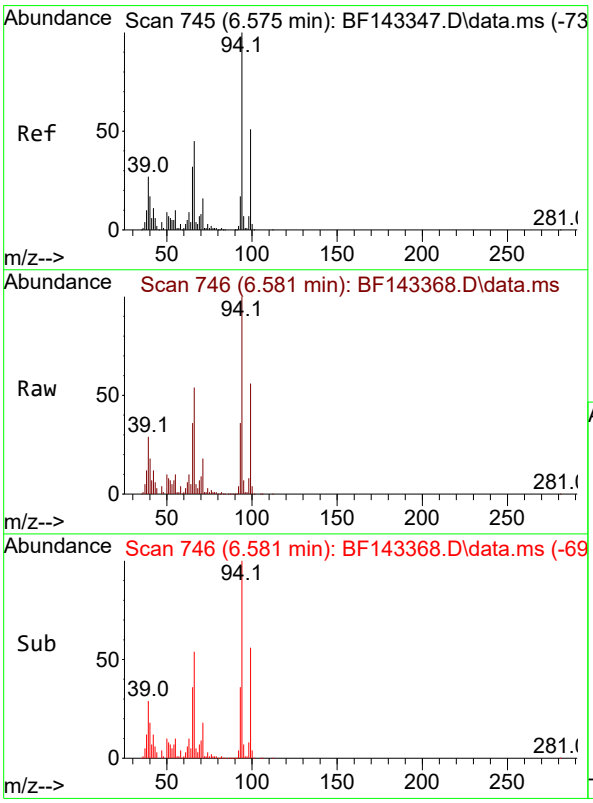
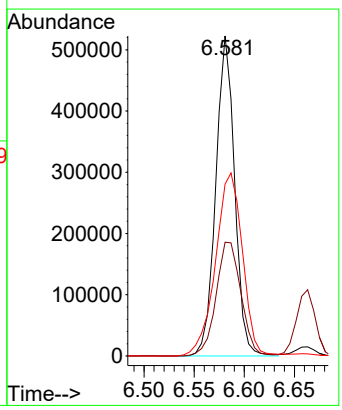
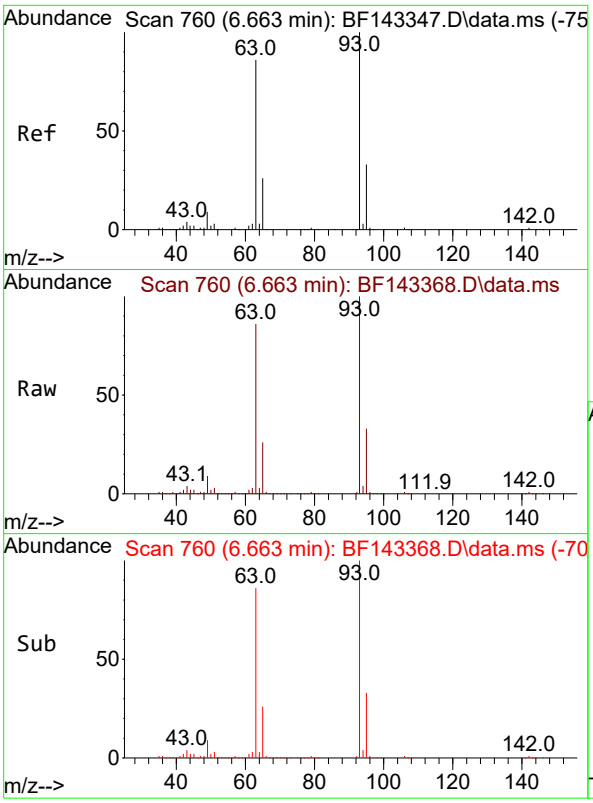


#10
Phenol
Concen: 42.745 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 94 Resp: 683901

Ion	Ratio	Lower	Upper
94	100		
65	35.6	12.0	52.0
66	53.7	25.6	65.6





#11
bis(2-Chloroethyl)ether
Concen: 45.443 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 93 Resp: 53585

Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.7	105.7
95	32.5	13.0	53.0

Instrument :
BNA_F
ClientSampleId :
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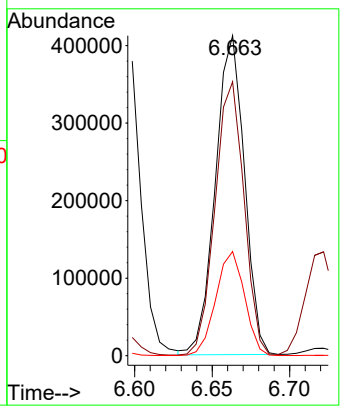
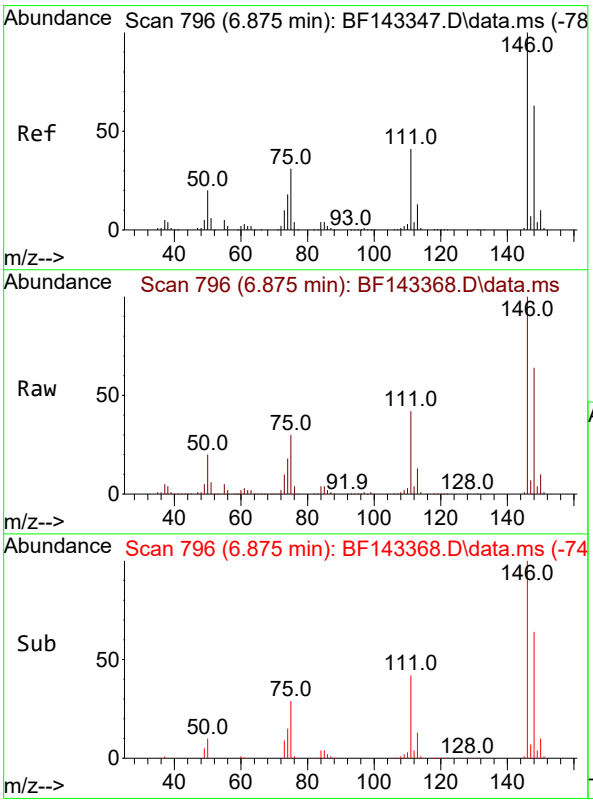
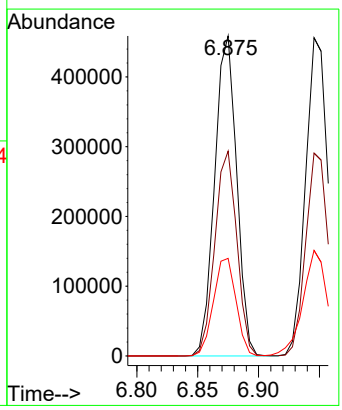


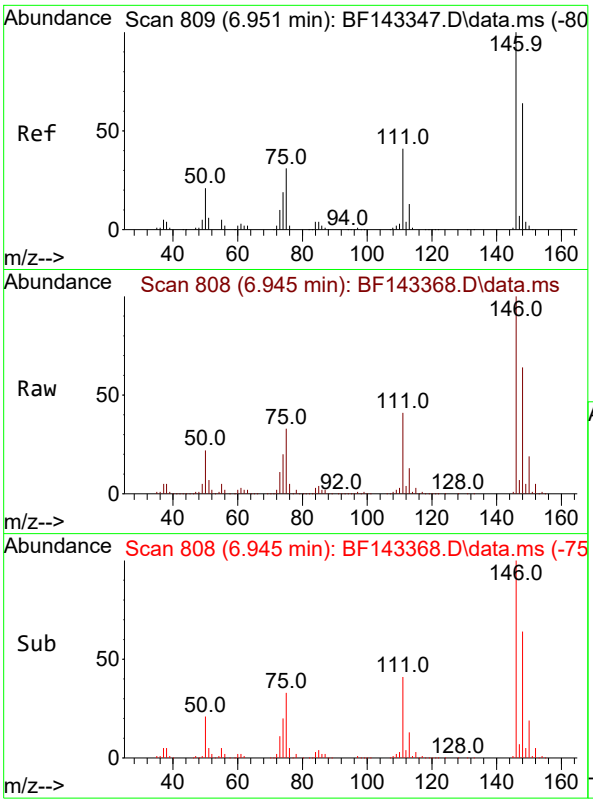


#12
1,3-Dichlorobenzene
Concen: 44.578 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:146 Resp: 578637

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.5	24.9	37.3

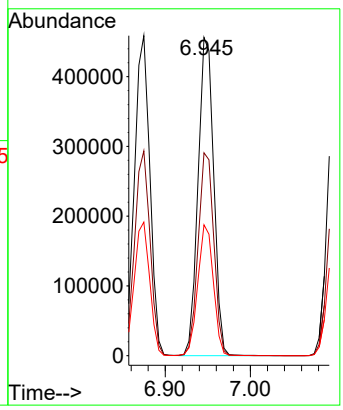




#13
1,4-Dichlorobenzene
Concen: 44.652 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:146 Resp: 58172

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	41.1	32.6	48.8



Instrument :
BNA_F
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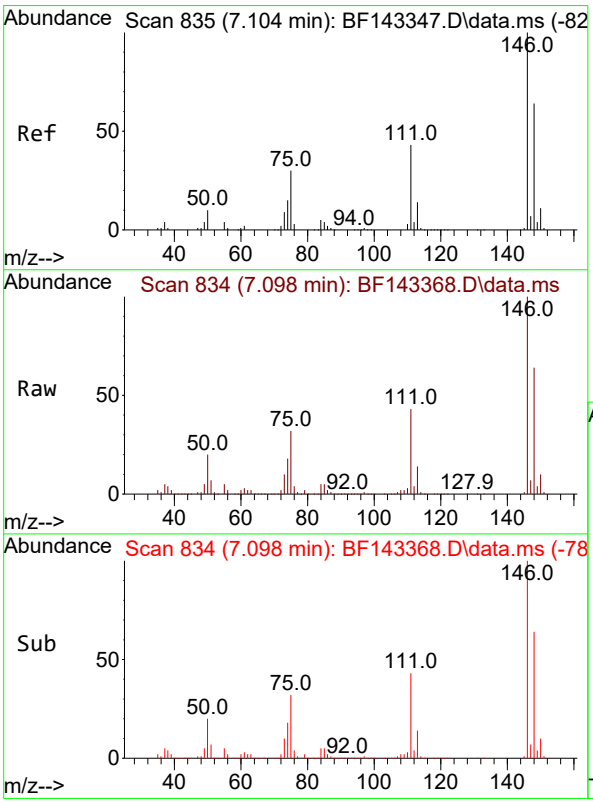
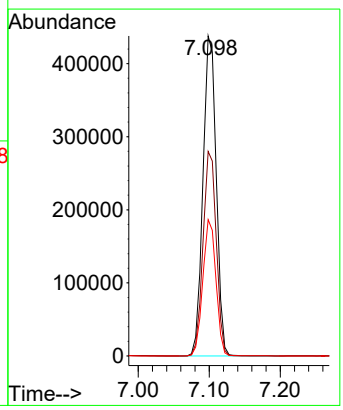
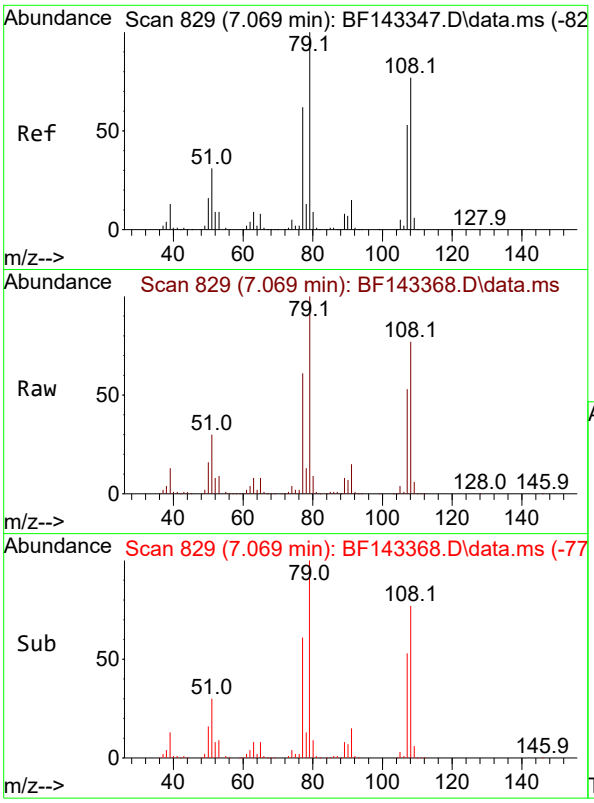


#14
1,2-Dichlorobenzene
Concen: 46.129 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:146 Resp: 570467

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	42.6	34.1	51.1





#15
Benzyl Alcohol
Concen: 50.893 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 79 Resp: 49270

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.5	92.3
77	61.4	49.8	74.8

Instrument :
BNA_F
ClientSampleId :
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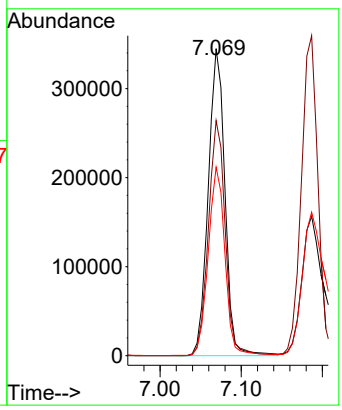
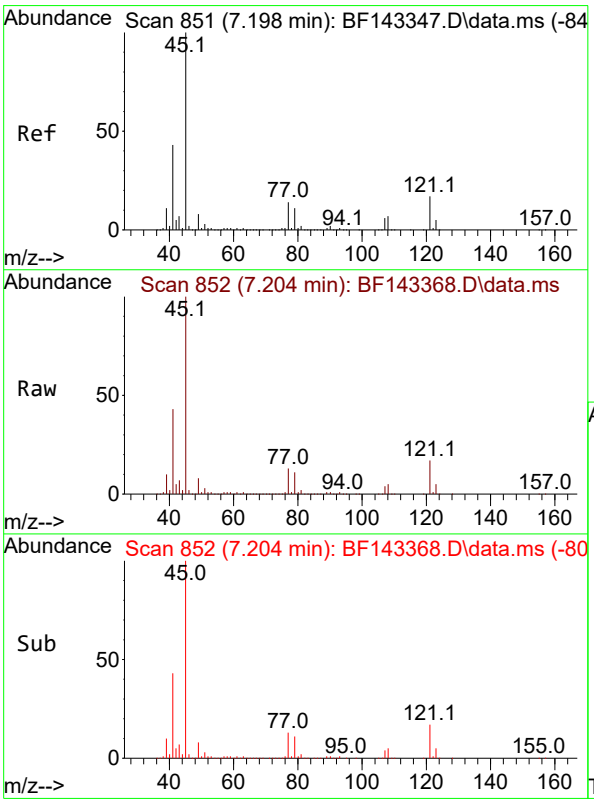
Supervised By :Jagrut Upadhyay 08/15/2025

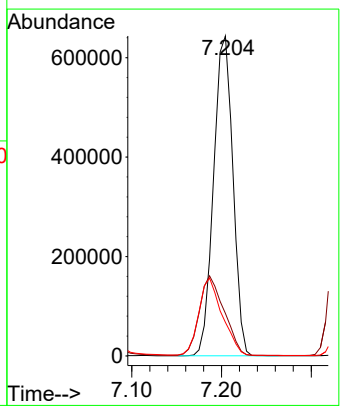


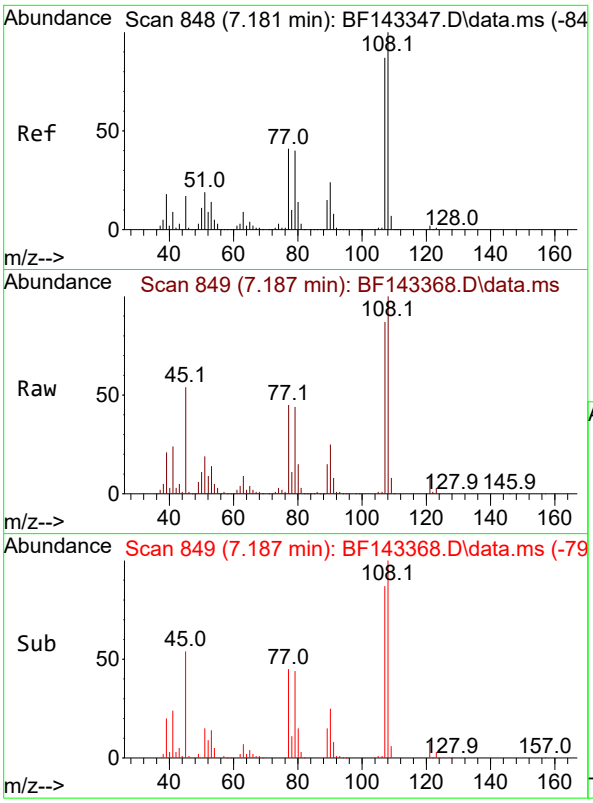


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.666 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 45 Resp: 961341

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	34.0
79	10.5	0.0	31.1

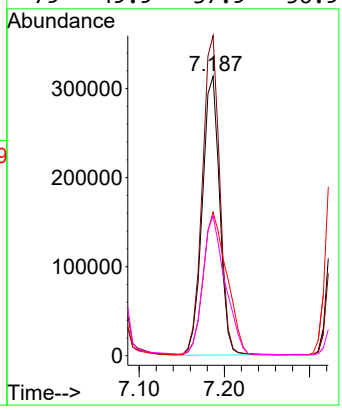




#17
2-Methylphenol
Concen: 46.670 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:107 Resp: 44333

Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.0	138.0
77	51.4	38.2	57.2
79	49.9	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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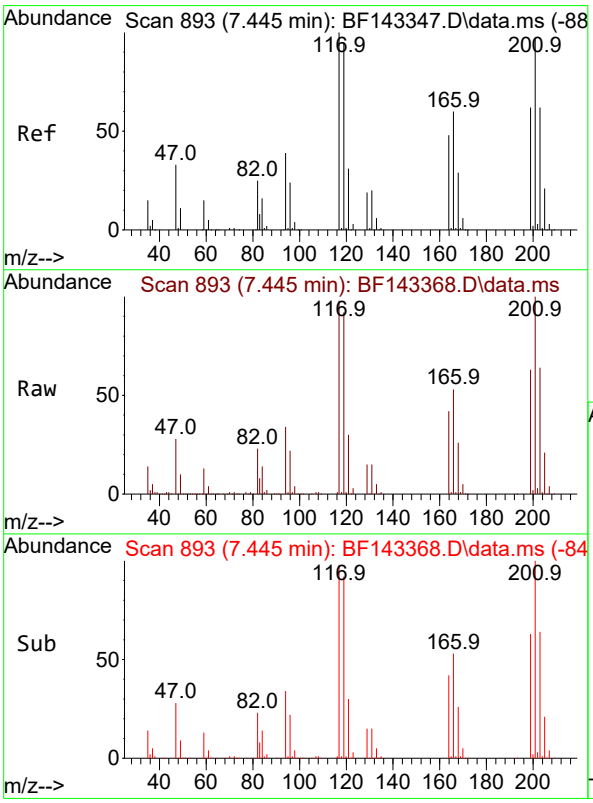
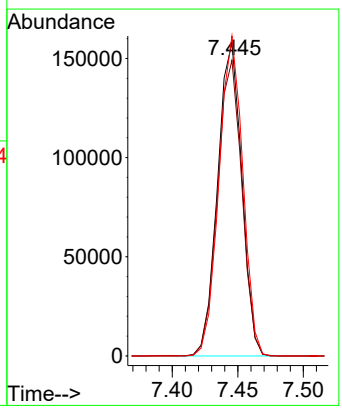
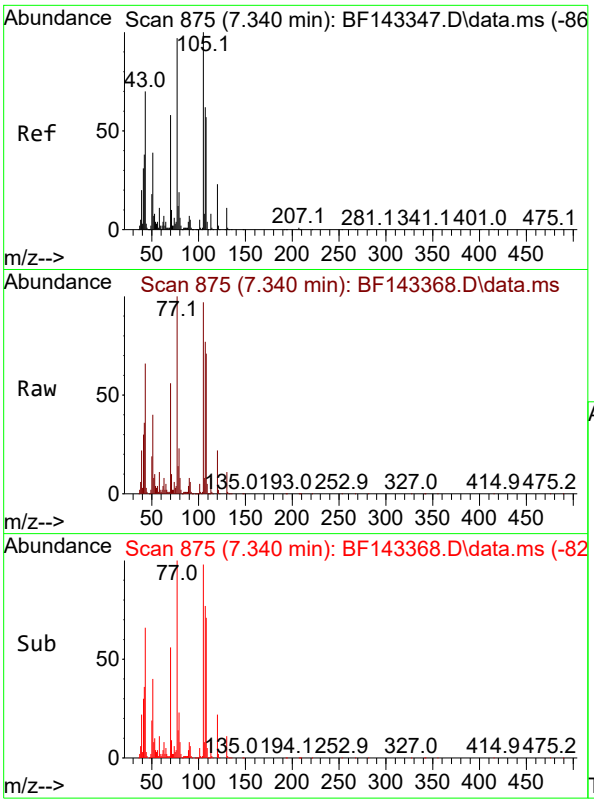


#18
Hexachloroethane
Concen: 49.556 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:117 Resp: 202404

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.8	113.8
201	102.2	77.2	115.8

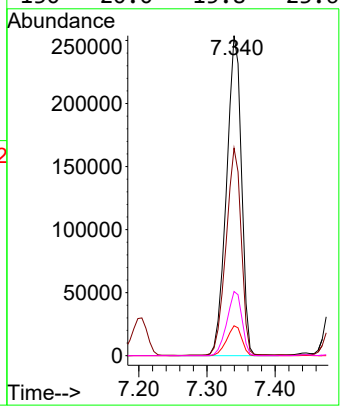




#19
n-Nitroso-di-n-propylamine
Concen: 46.600 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 70 Resp: 38888

Ion	Ratio	Lower	Upper
70	100		
42	64.9	51.6	77.4
101	9.4	7.5	11.3
130	20.0	15.8	23.6



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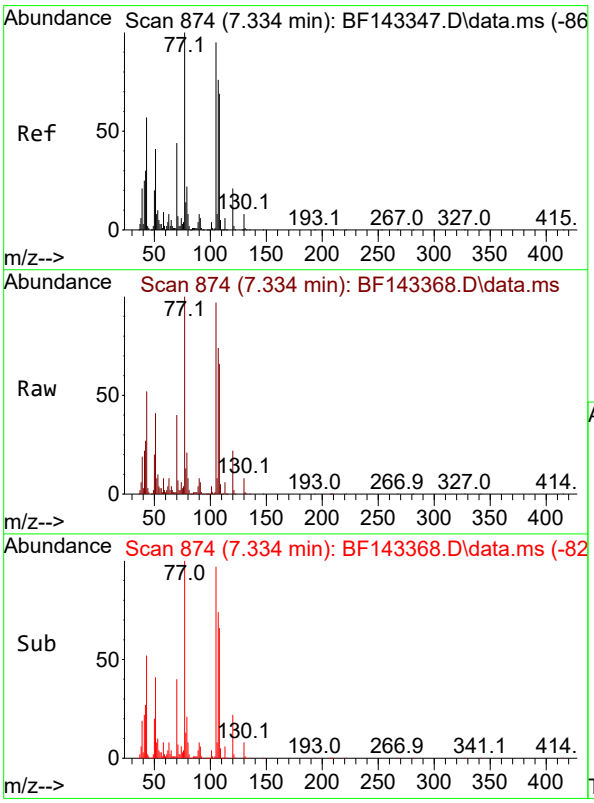
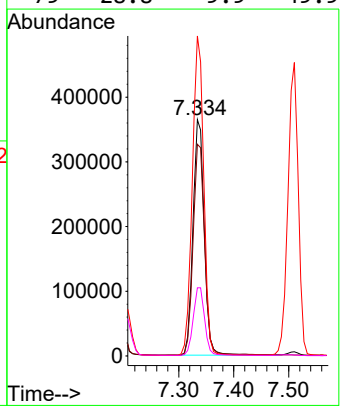
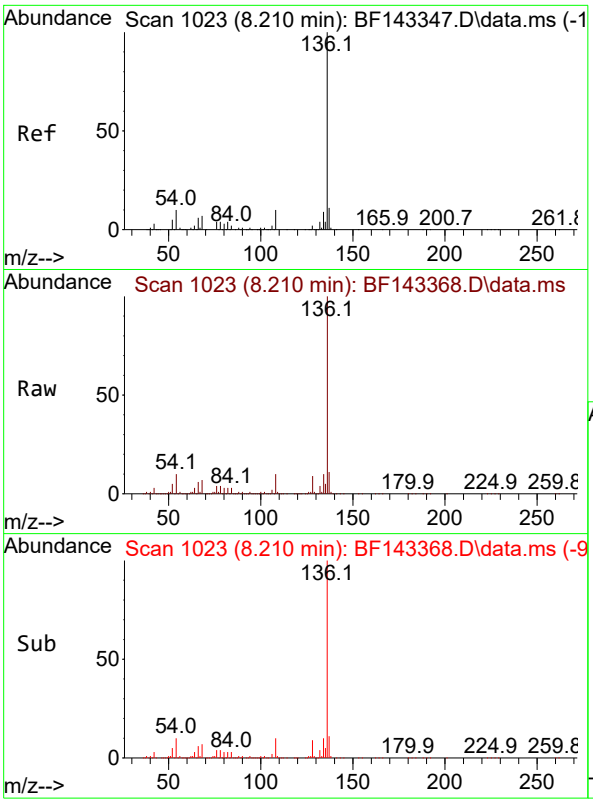


#20
3+4-Methylphenols
Concen: 45.126 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:107 Resp: 518418

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.6	110.6
77	135.4	112.0	152.0
79	28.8	9.9	49.9

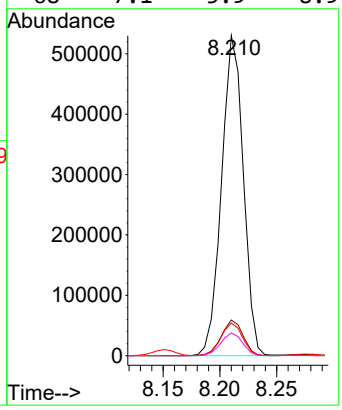




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:136 Resp: 70764

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.3	8.4	12.6
68	7.1	5.9	8.9



Instrument :
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ClientSampleId :
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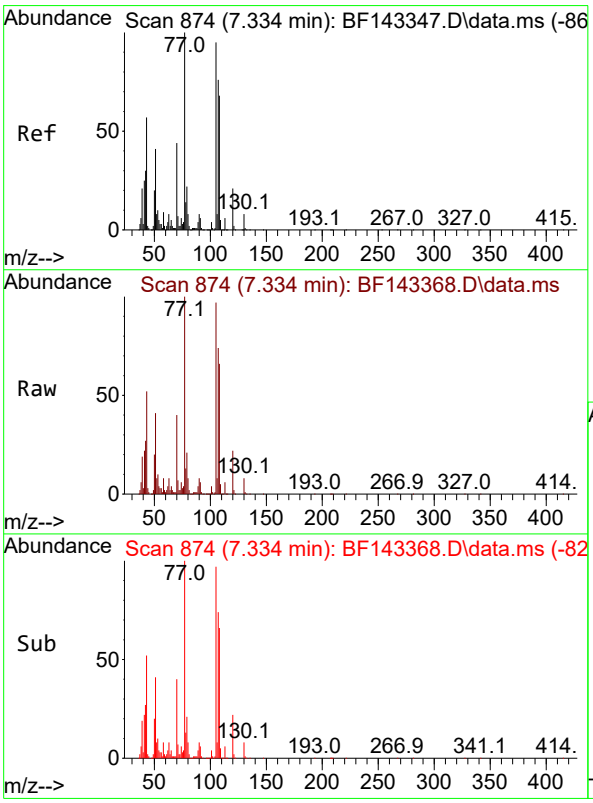
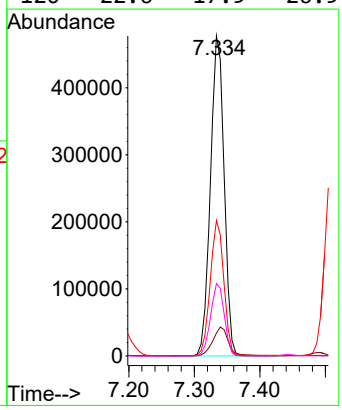
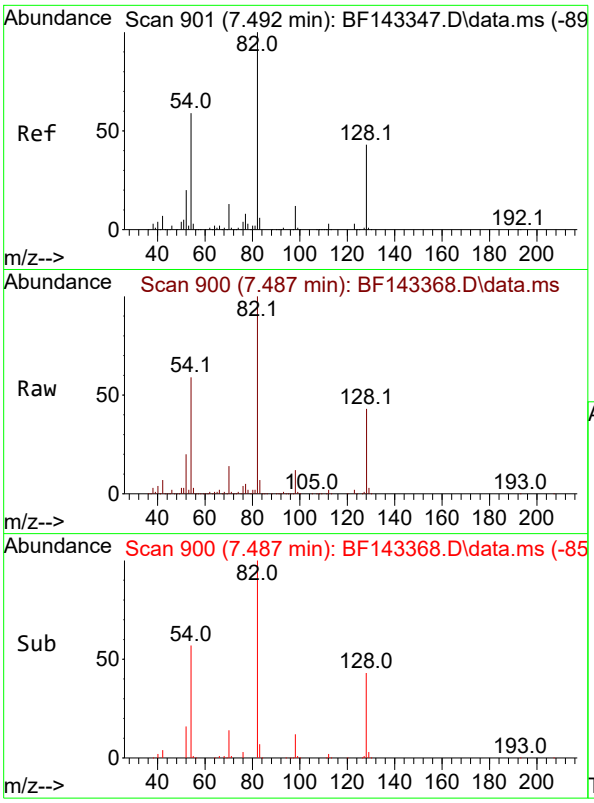


#22
Acetophenone
Concen: 44.573 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:105 Resp: 694973

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.2	9.4
51	42.3	34.8	52.2
120	22.6	17.9	26.9

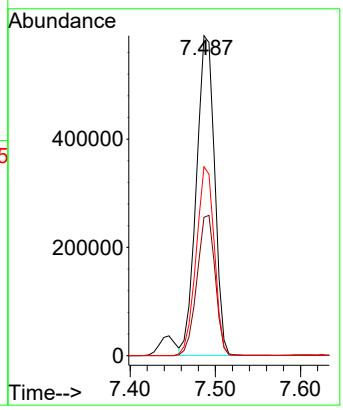




#23
Nitrobenzene-d5
Concen: 77.266 ng
RT: 7.487 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 82 Resp: 87801(

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.5	50.3
54	59.0	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
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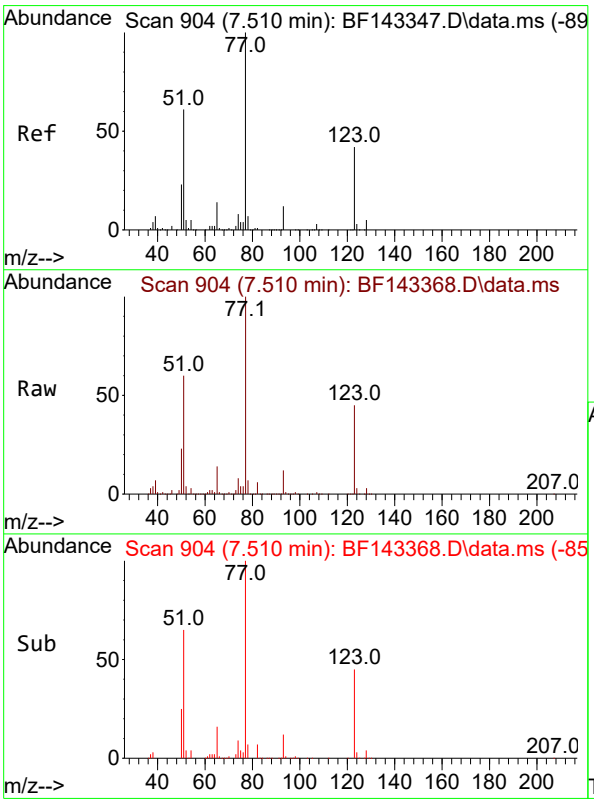
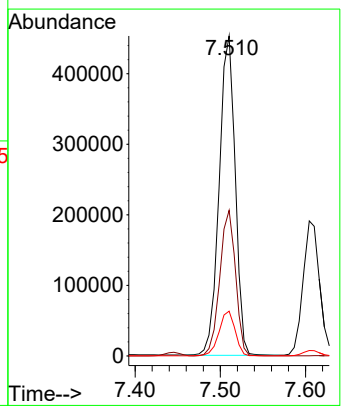
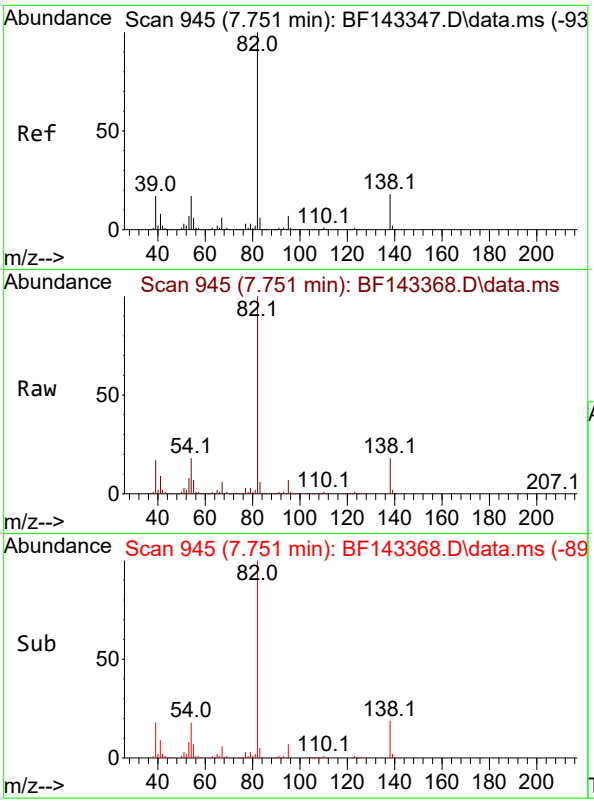


#24
Nitrobenzene
Concen: 48.092 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 77 Resp: 593508

Ion	Ratio	Lower	Upper
77	100		
123	45.5	34.8	52.2
65	14.0	11.0	16.6





#25
Isophorone
Concen: 48.170 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 82 Resp: 111744

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.3	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
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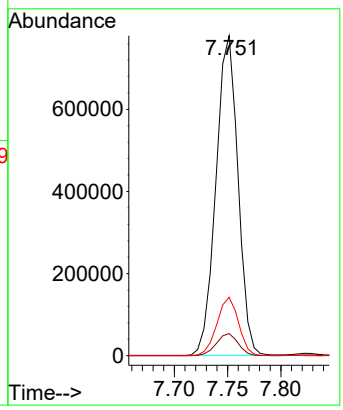
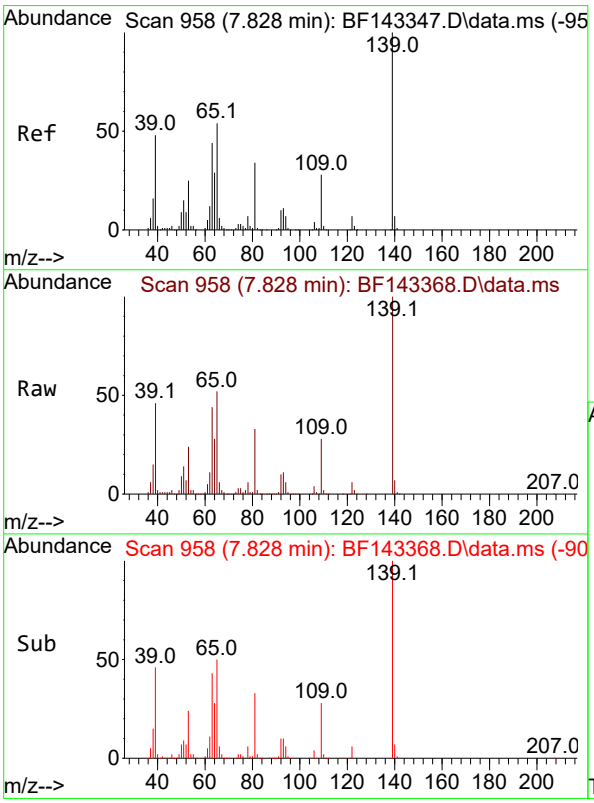
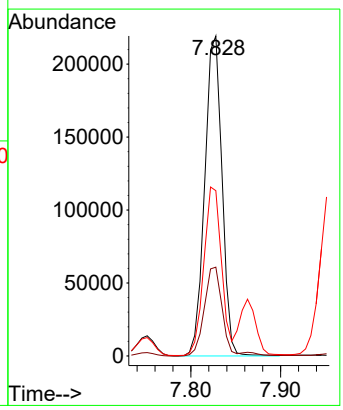


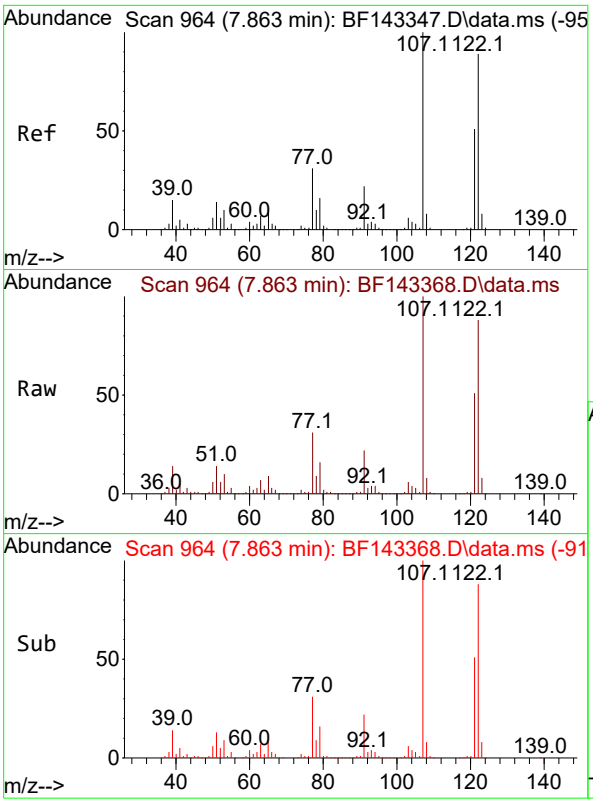


#26
2-Nitrophenol
Concen: 58.630 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:139 Resp: 294278

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.4	33.6
65	51.7	42.9	64.3

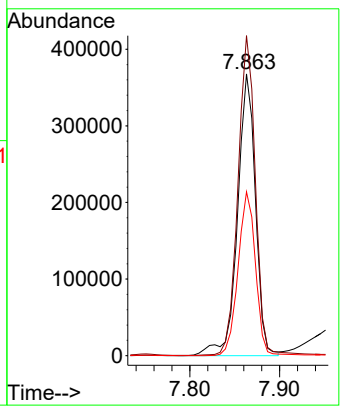




#27
2,4-Dimethylphenol
Concen: 52.817 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:122 Resp: 51116

Ion	Ratio	Lower	Upper
122	100		
107	113.6	89.9	134.9
121	58.2	46.2	69.4



Instrument :
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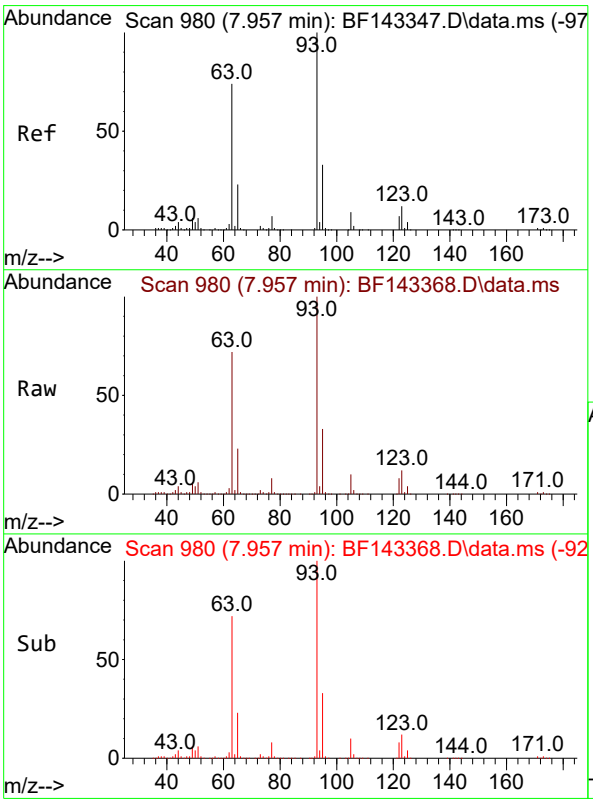
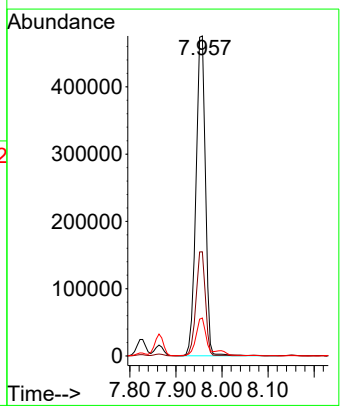
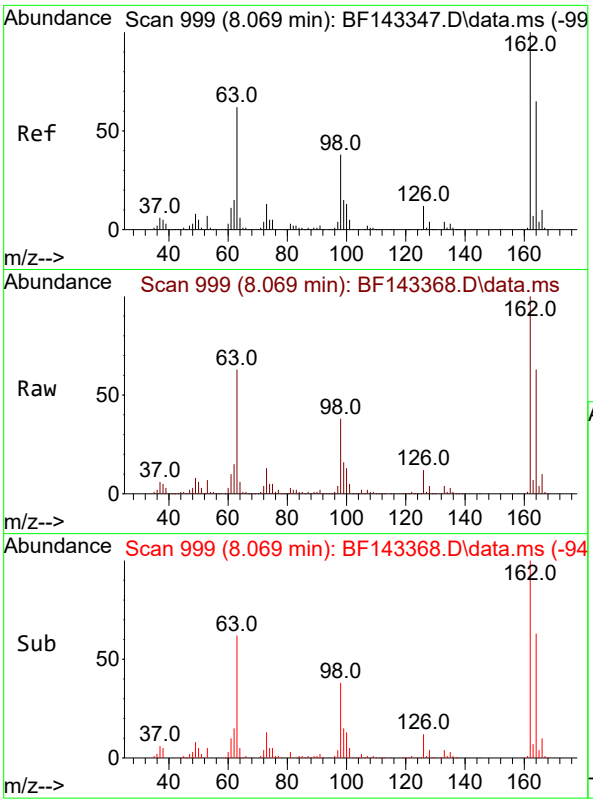


#28
bis(2-Chloroethoxy)methane
Concen: 47.729 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 93 Resp: 676006

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	11.9	9.4	14.2

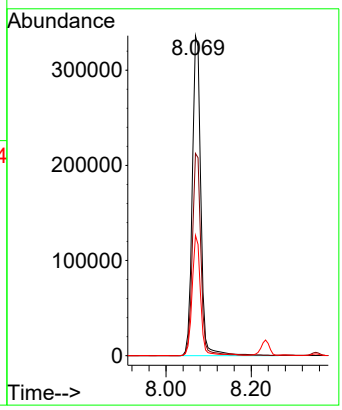




#29
2,4-Dichlorophenol
Concen: 49.593 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:162 Resp: 46878

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.5	84.5
98	37.6	17.7	57.7



Instrument :
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ClientSampleId :
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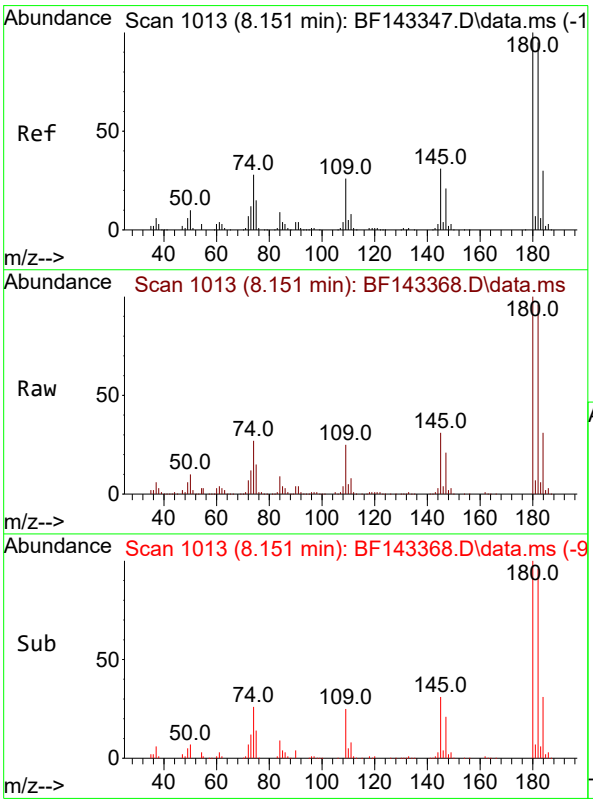
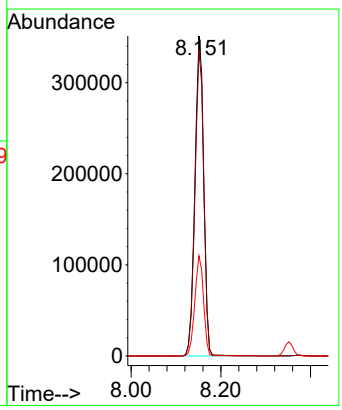
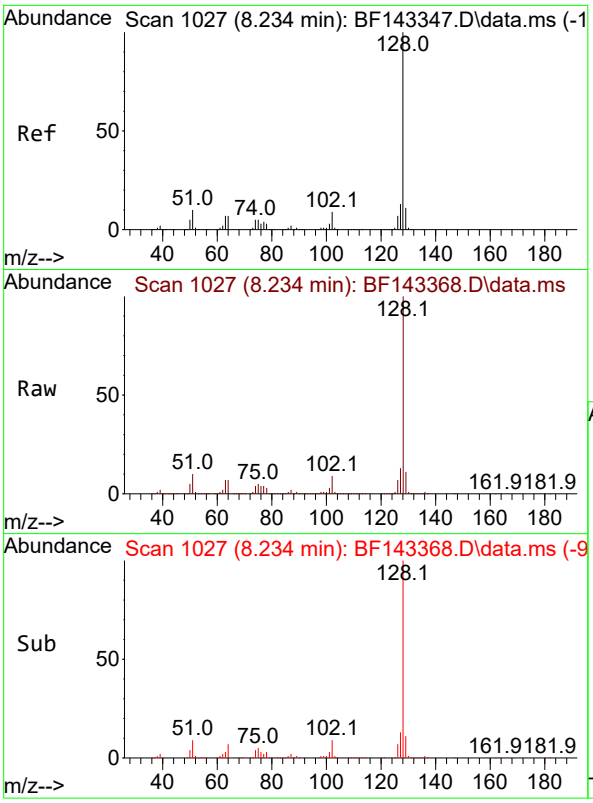


#30
1,2,4-Trichlorobenzene
Concen: 47.989 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:180 Resp: 478500

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	31.3	24.9	37.3





#31
Naphthalene
Concen: 44.199 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:128 Resp: 150500

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.2	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

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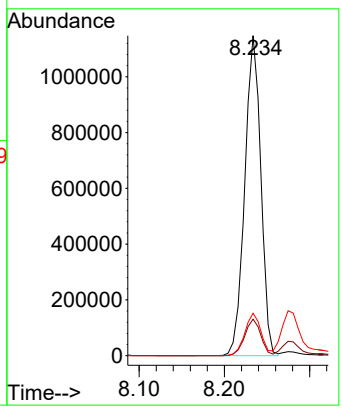
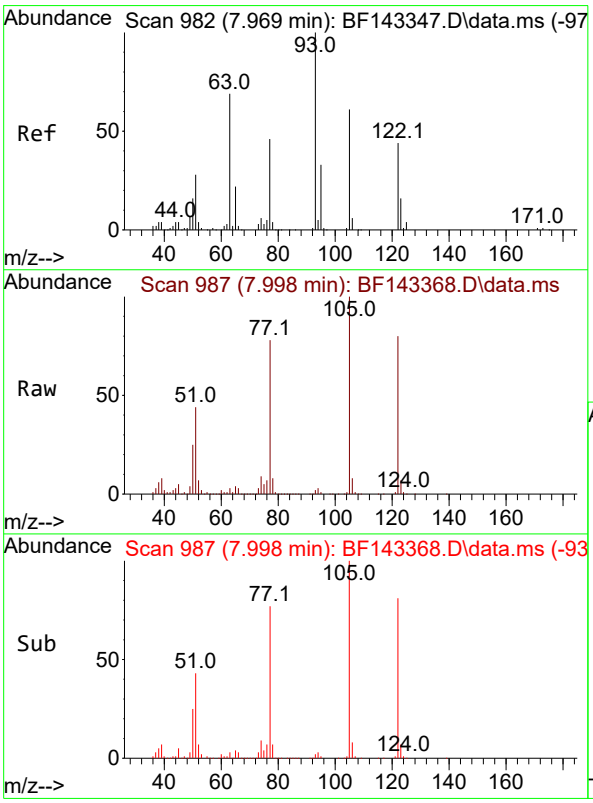
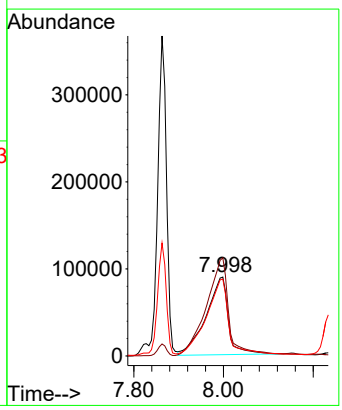


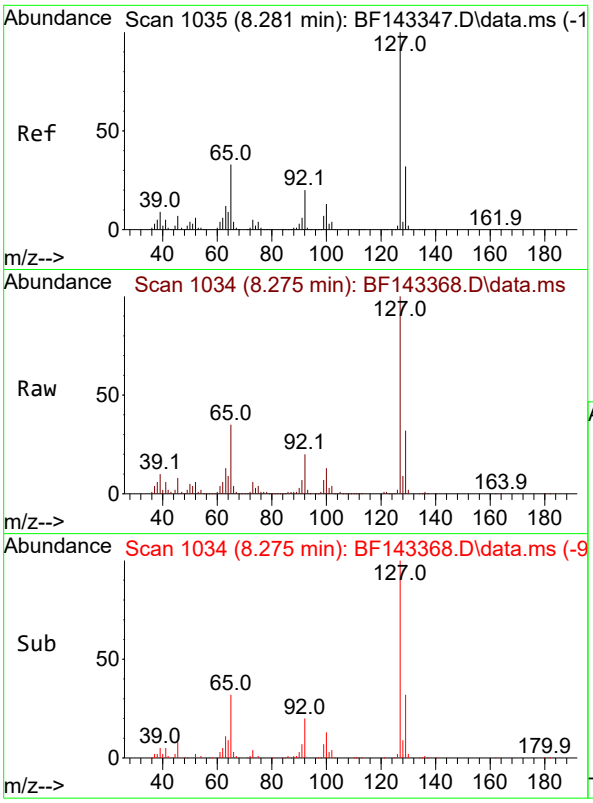


#32
Benzoic acid
Concen: 65.585 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.029 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:122 Resp: 309164

Ion	Ratio	Lower	Upper
122	100		
105	124.3	106.4	146.4
77	97.5	79.2	119.2

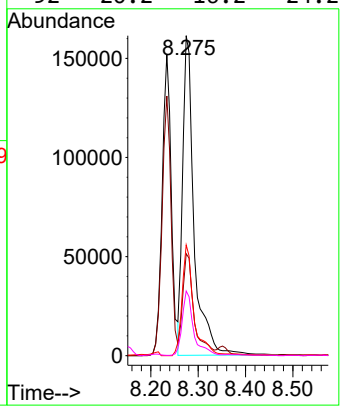




#33
4-Chloroaniline
Concen: 22.205 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:127 Resp: 27271

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.0	39.0
65	34.6	27.0	40.4
92	20.2	16.2	24.2



Instrument :
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ClientSampleId :
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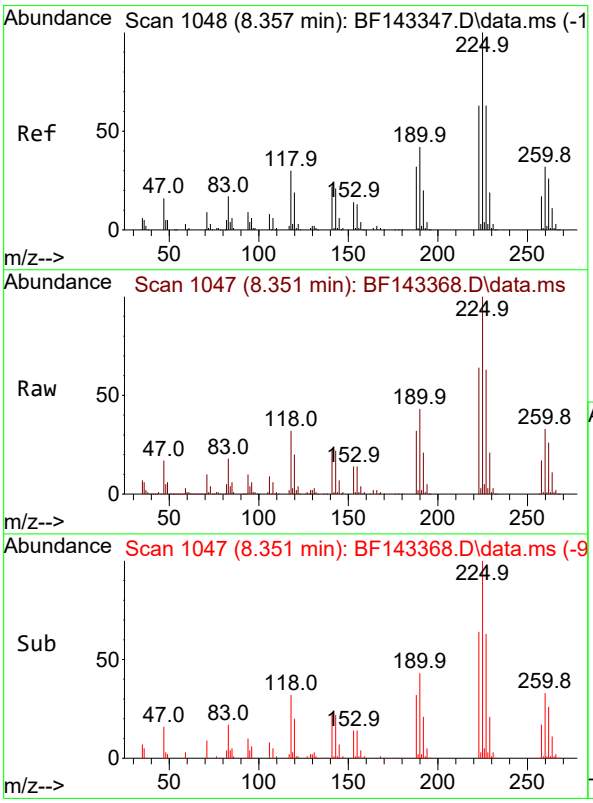
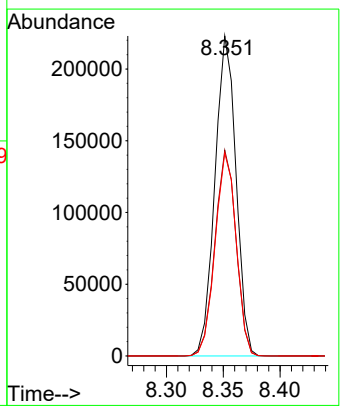
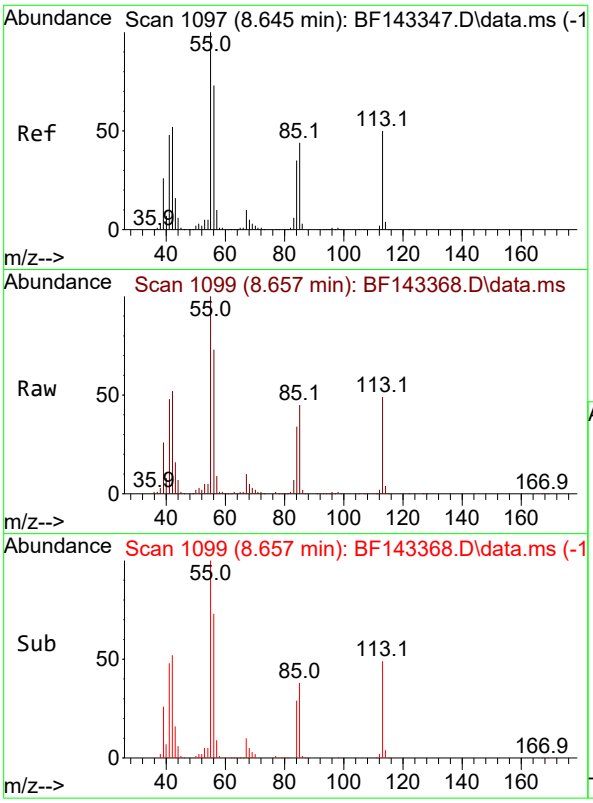


#34
Hexachlorobutadiene
Concen: 46.477 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:225 Resp: 288283

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.1	75.1
227	63.4	50.6	75.8

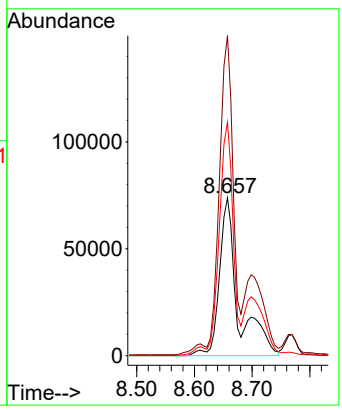




#35
Caprolactam
Concen: 62.166 ng m
RT: 8.657 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:113 Resp: 16519

Ion	Ratio	Lower	Upper
113	100		
55	202.6	181.4	221.4
56	147.9	127.3	167.3



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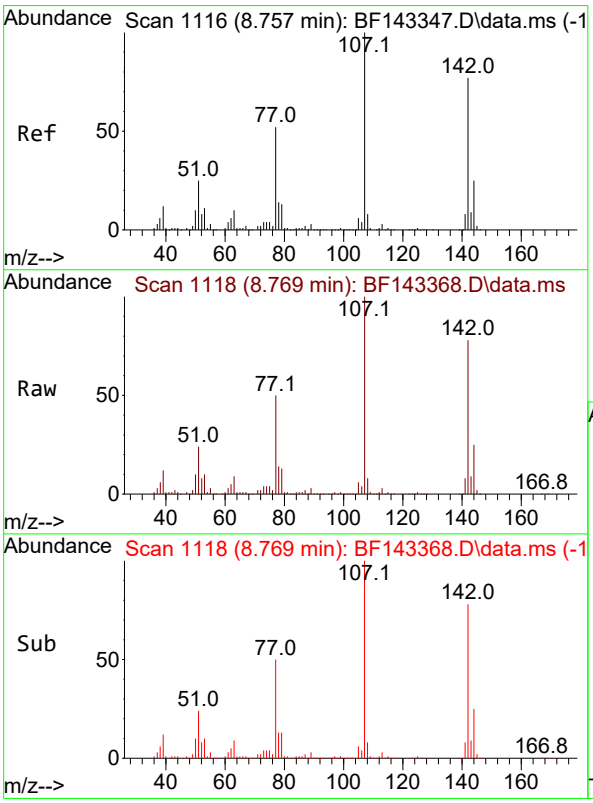
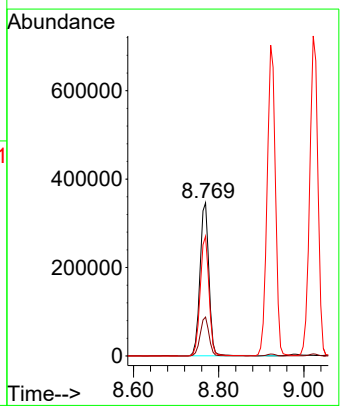
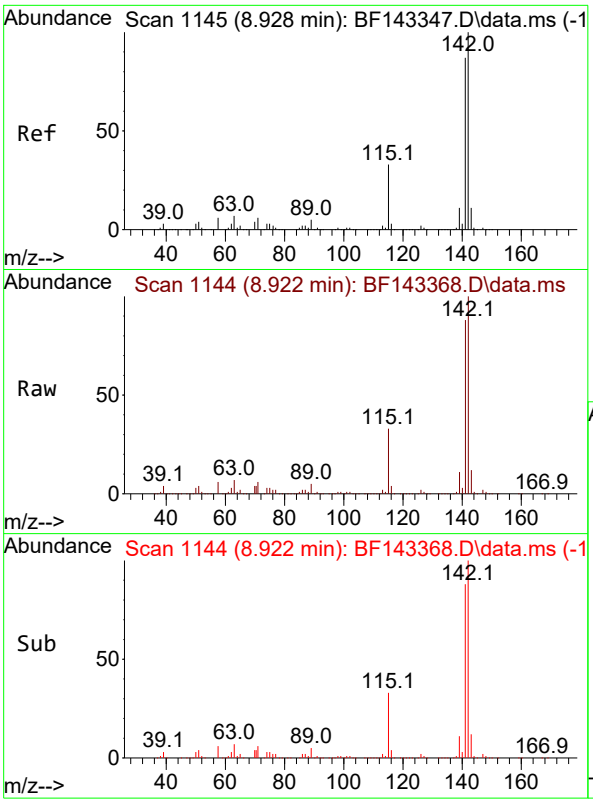


#36
4-Chloro-3-methylphenol
Concen: 50.708 ng
RT: 8.769 min Scan# 1118
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:107 Resp: 502504

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	78.2	61.3	91.9





#37
2-Methylnaphthalene
Concen: 42.295 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:142 Resp: 94680

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.8	104.8

Instrument :
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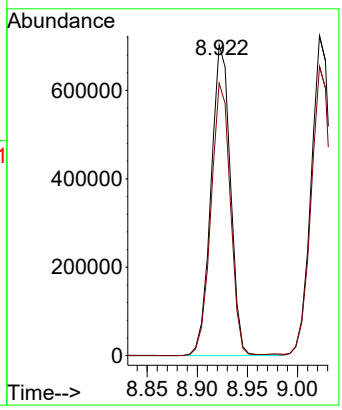
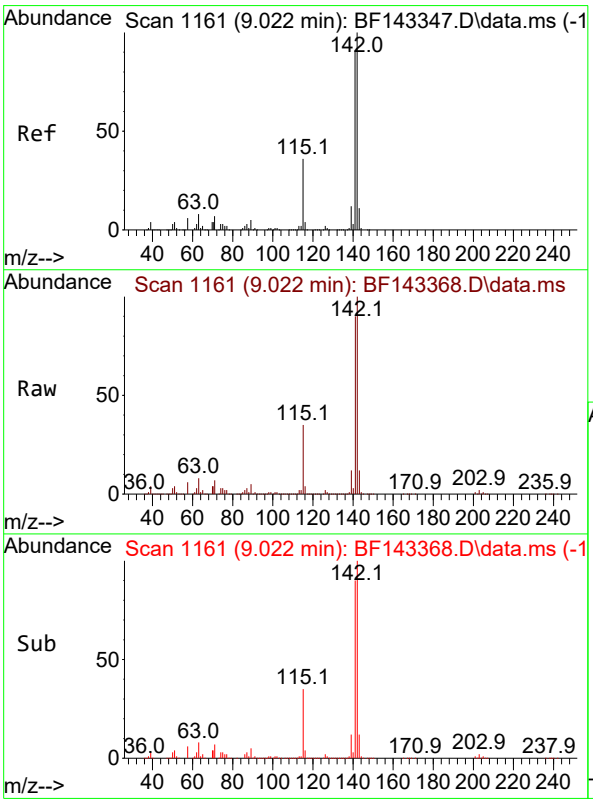
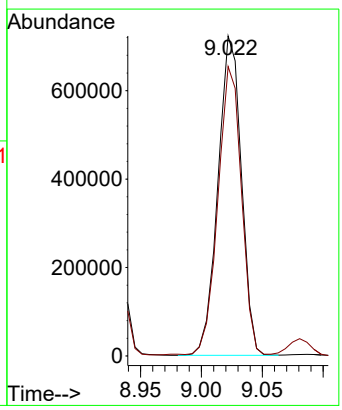


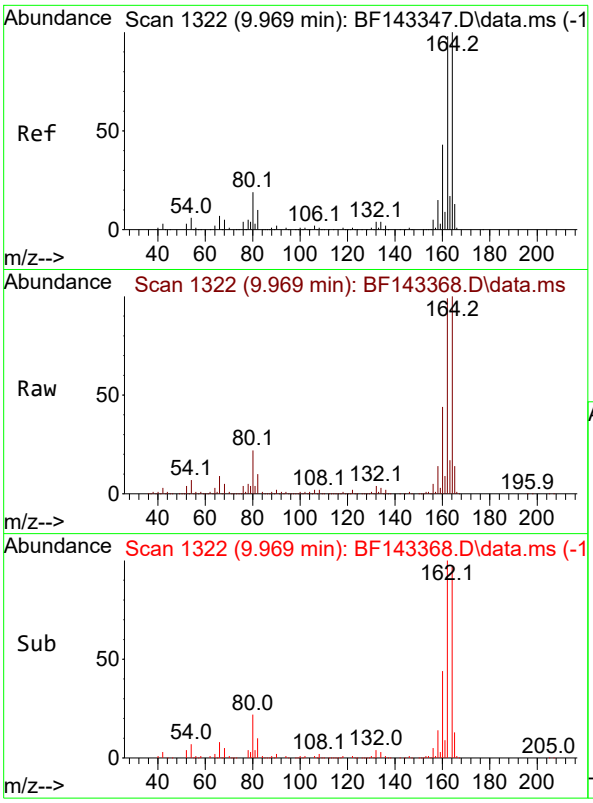


#38
1-Methylnaphthalene
Concen: 44.811 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:142 Resp: 966128

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.0	109.4

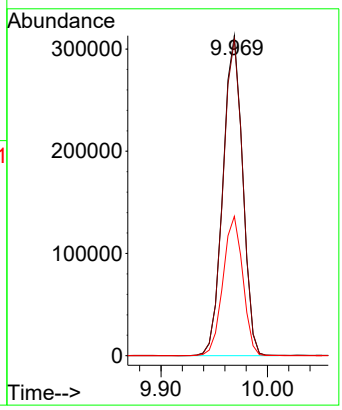




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:164 Resp: 40079

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.6	118.0
160	43.5	34.4	51.6



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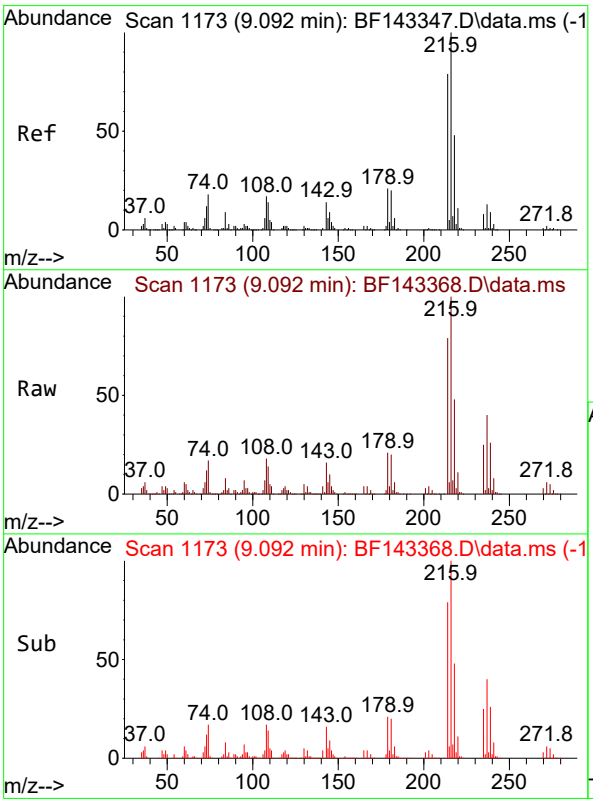
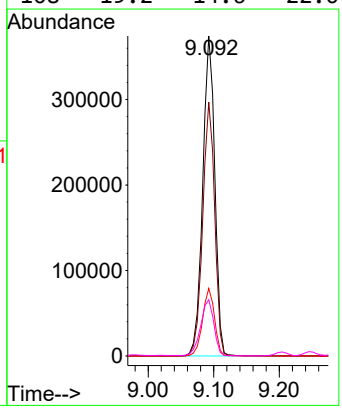
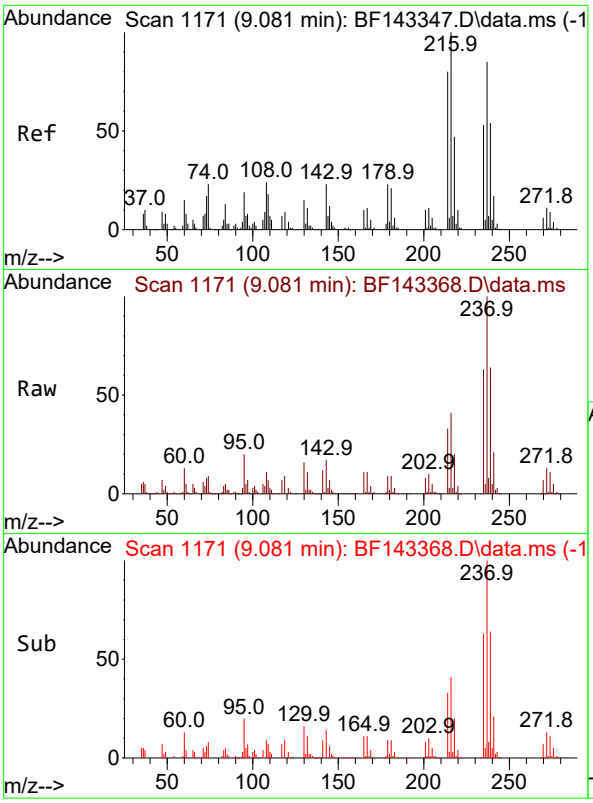


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.801 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:216 Resp: 480387

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	20.9	17.0	25.4
108	19.2	14.6	22.0

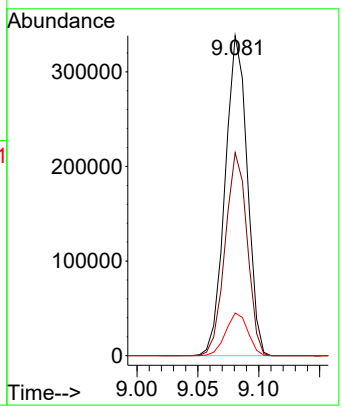




#41
Hexachlorocyclopentadiene
Concen: 108.143 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:237 Resp: 42820

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.0	82.0
272	13.3	0.0	32.6



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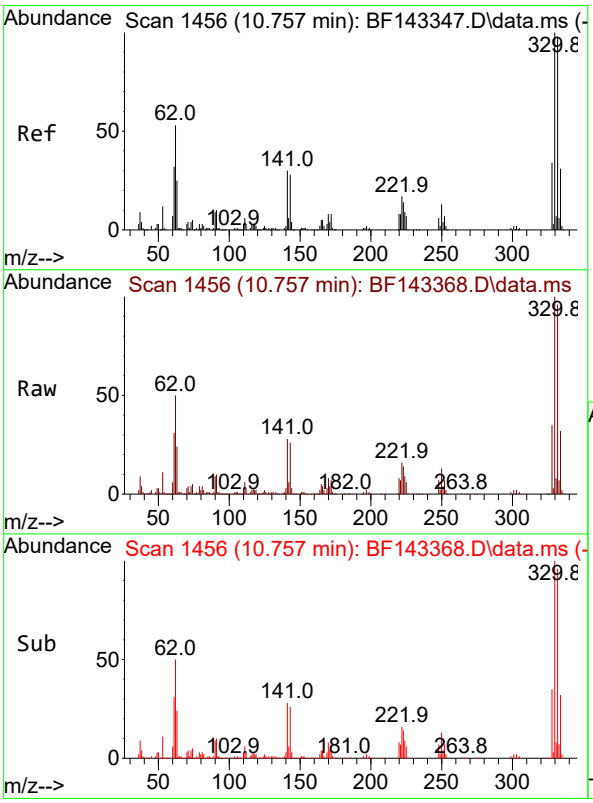
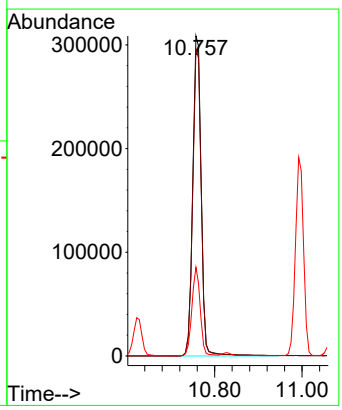
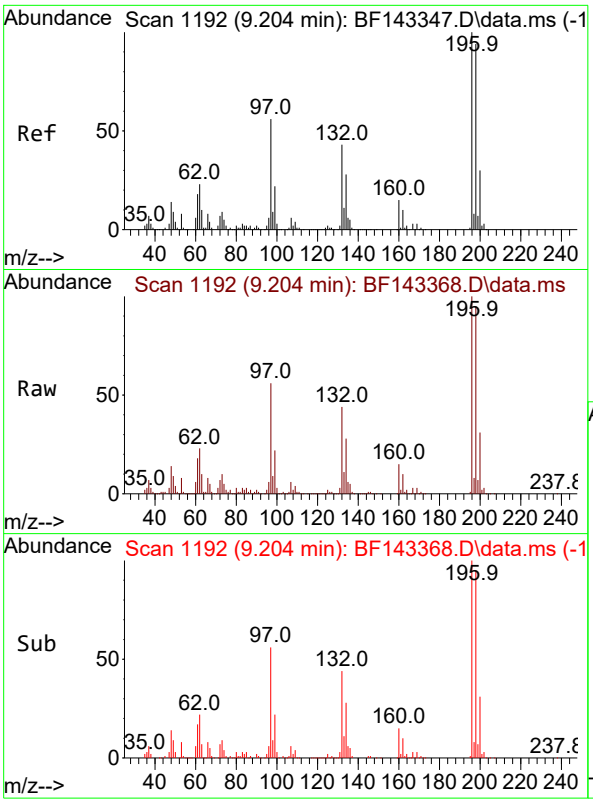


#42
2,4,6-Tribromophenol
Concen: 142.146 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:330 Resp: 416362

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.1	117.1
141	26.9	25.4	38.0

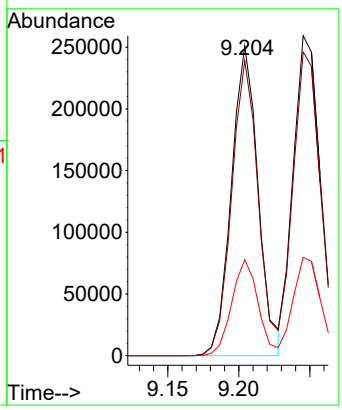




#43
2,4,6-Trichlorophenol
Concen: 52.788 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:196 Resp: 32849

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	31.0	24.3	36.5



Instrument :
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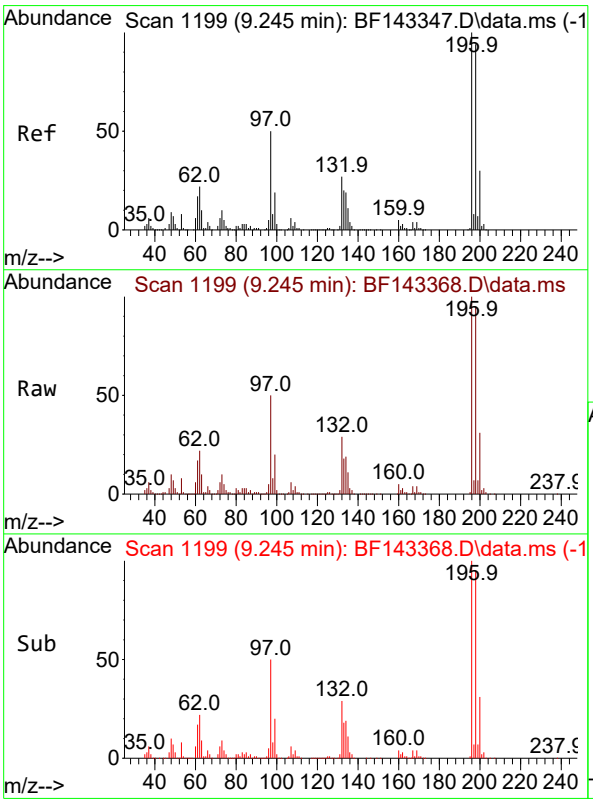
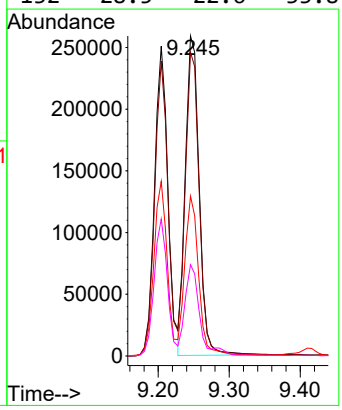
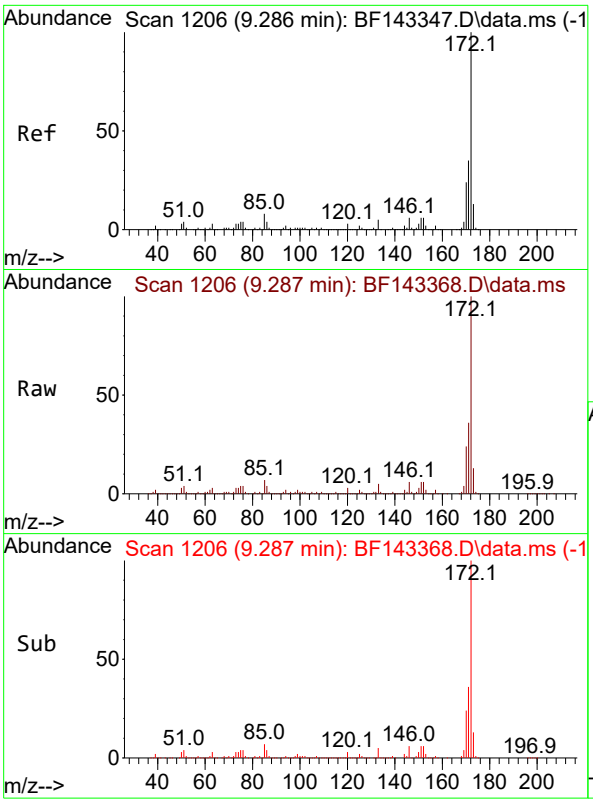


#44
2,4,5-Trichlorophenol
Concen: 50.056 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:196 Resp: 351758

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.4	113.2
97	49.9	39.9	59.9
132	28.5	22.6	33.8

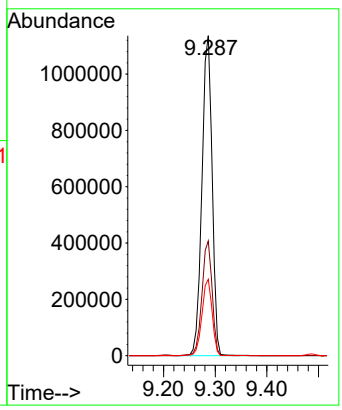




#45
2-Fluorobiphenyl
Concen: 65.860 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:172 Resp: 155663

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.9	19.1	28.7



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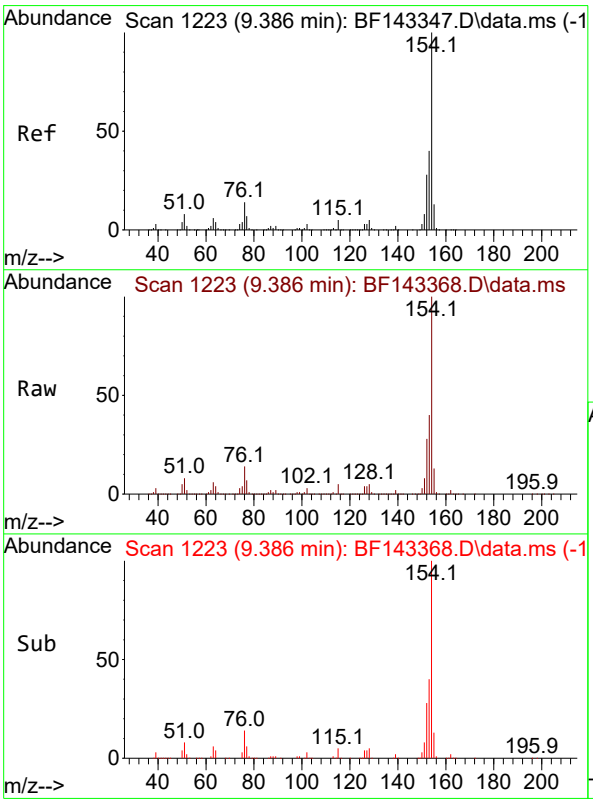
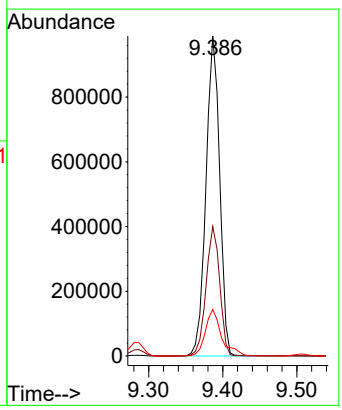
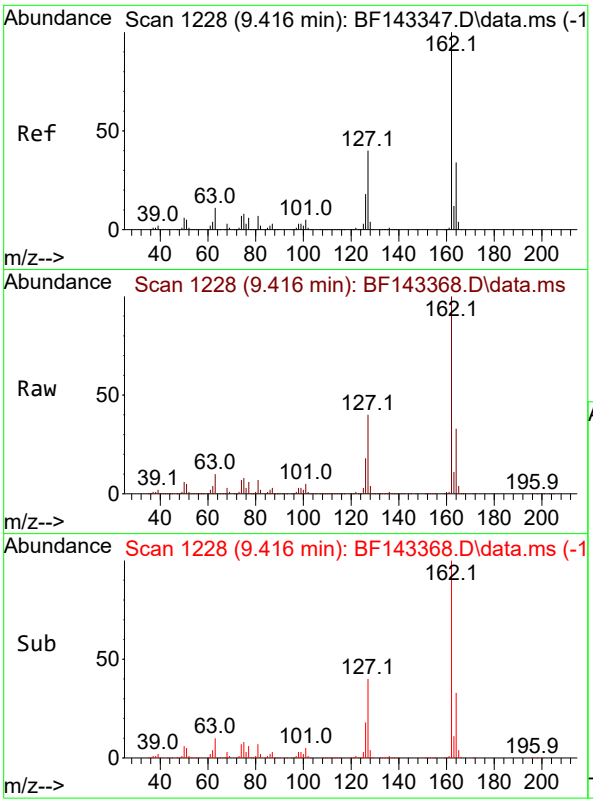


#46
1,1'-Biphenyl
Concen: 44.834 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:154 Resp: 1270549

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	14.5	0.0	34.4

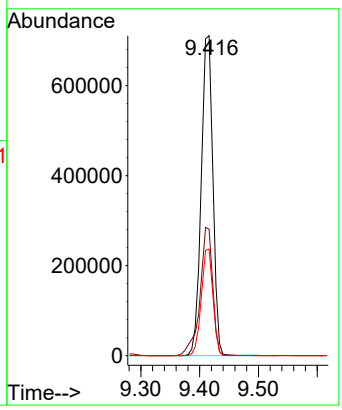




#47
2-Chloronaphthalene
Concen: 43.906 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:162 Resp: 97993

Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.1	48.1
164	33.3	27.0	40.4



Instrument :
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ClientSampleId :
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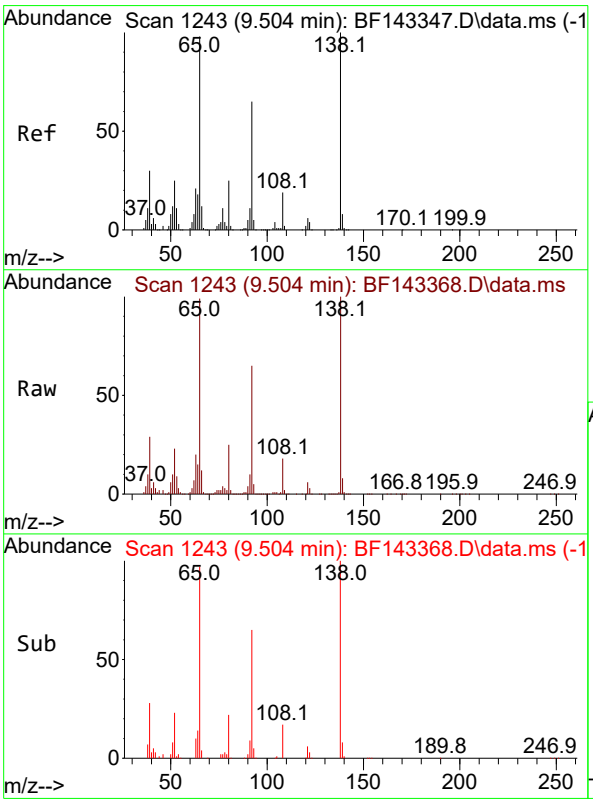
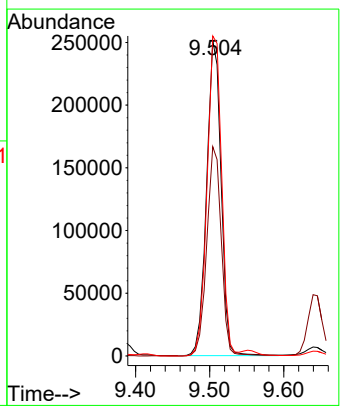
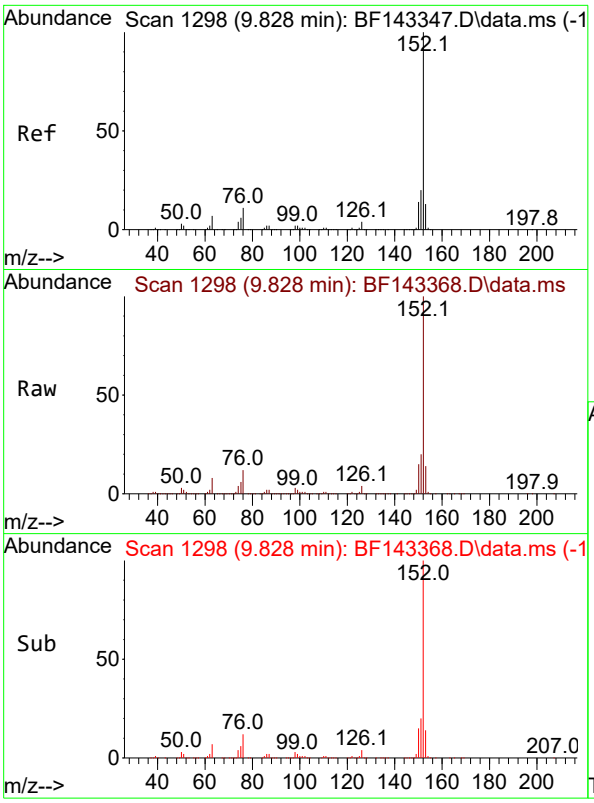


#48
2-Nitroaniline
Concen: 52.679 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 65 Resp: 340937

Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.1	79.7
138	101.5	81.4	122.0

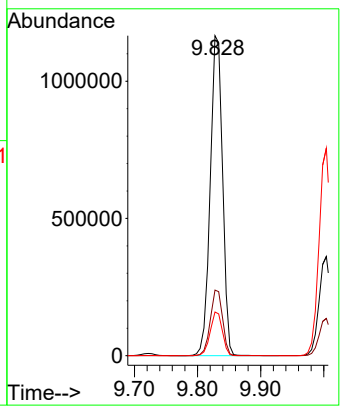




#49
Acenaphthylene
Concen: 49.067 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:152 Resp: 158148

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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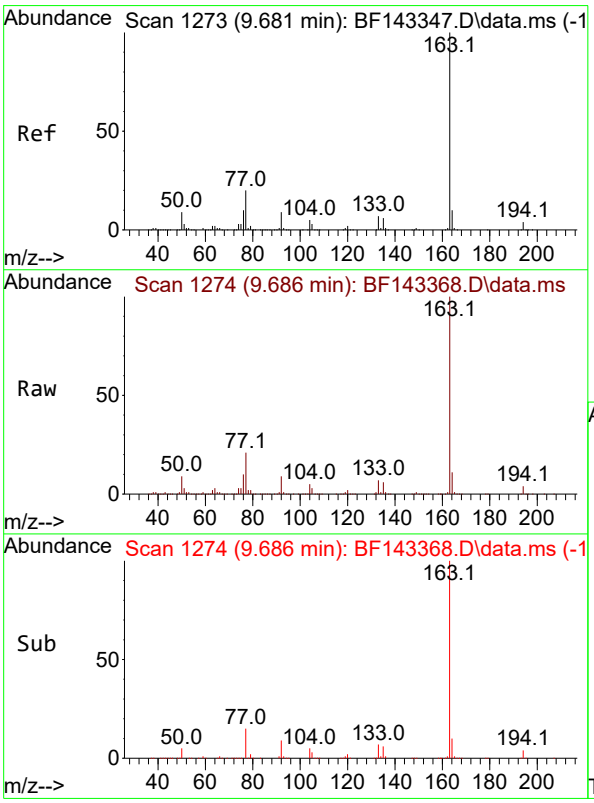
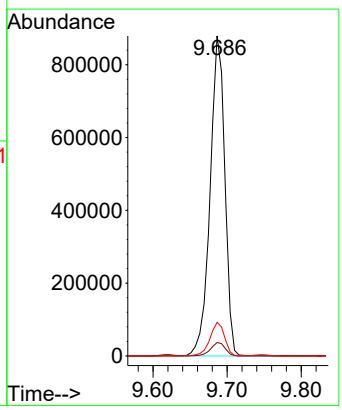
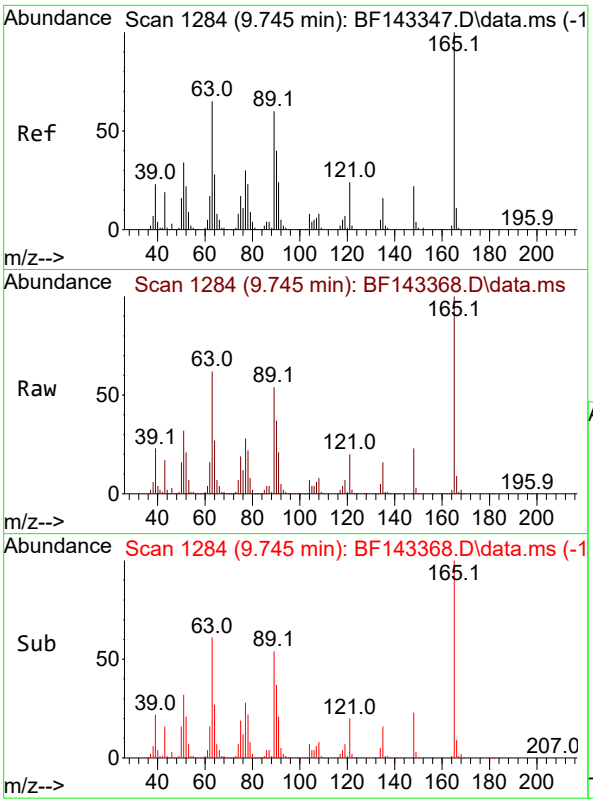


#50
Dimethylphthalate
Concen: 51.866 ng
RT: 9.686 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:163 Resp: 1214679

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 59.883 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:165 Resp: 26884

Ion	Ratio	Lower	Upper
165	100		
63	61.5	51.6	77.4
89	53.8	47.7	71.5

Instrument :
BNA_F
ClientSampleId :
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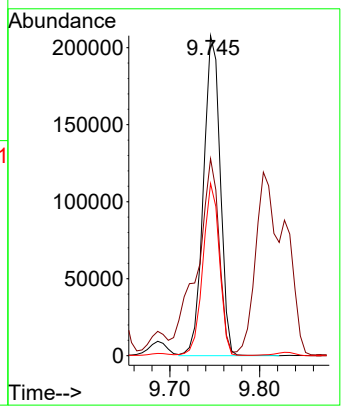
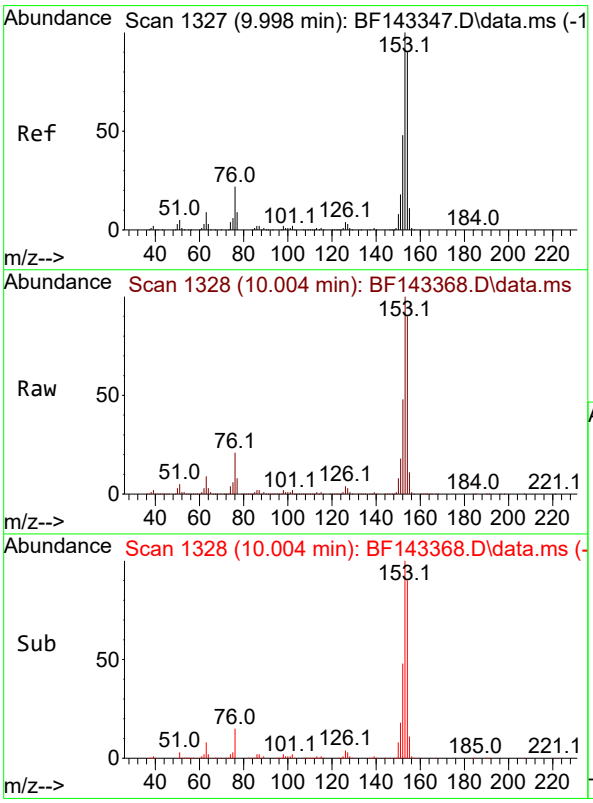
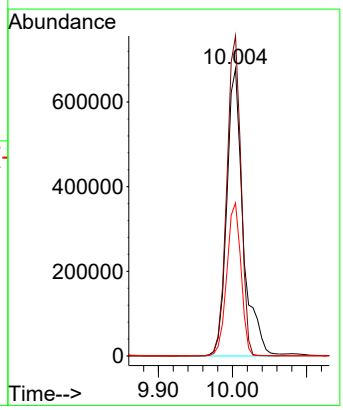


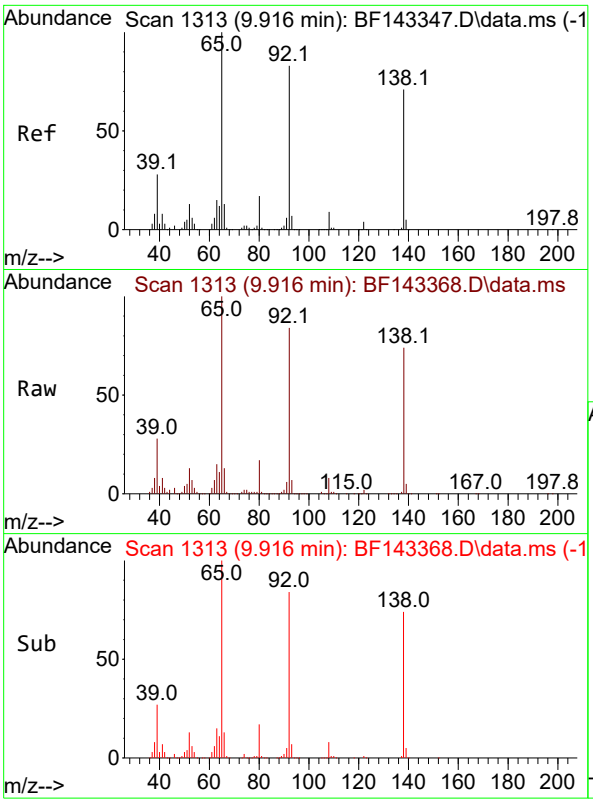


#52
Acenaphthene
Concen: 48.688 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:154 Resp: 1043271

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.5	132.7
152	53.2	42.4	63.6





#53
3-Nitroaniline
Concen: 40.131 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:138 Resp: 19247

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.6	14.4
92	114.4	93.4	140.2

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

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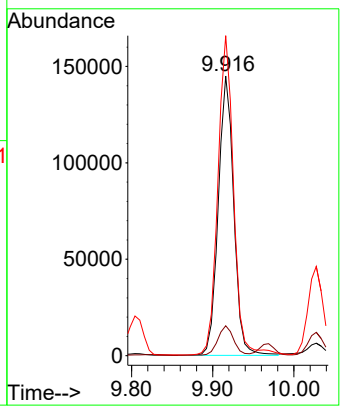
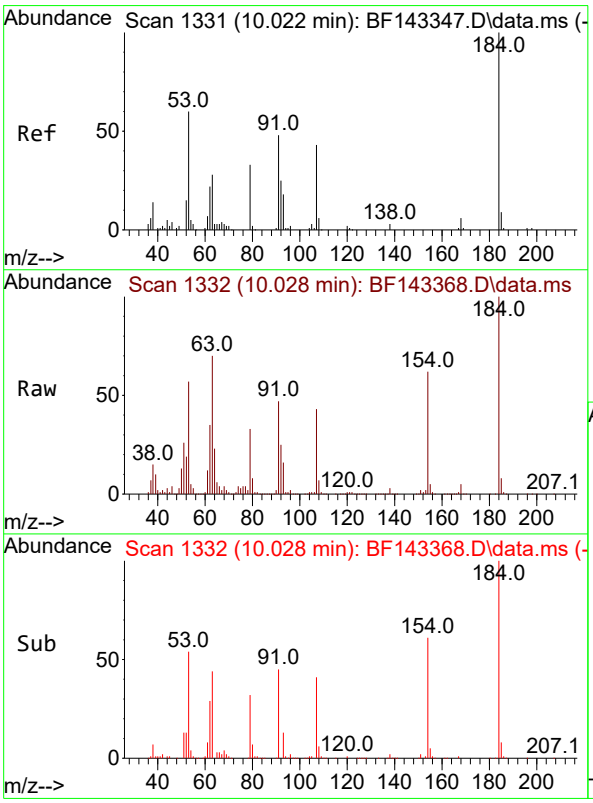
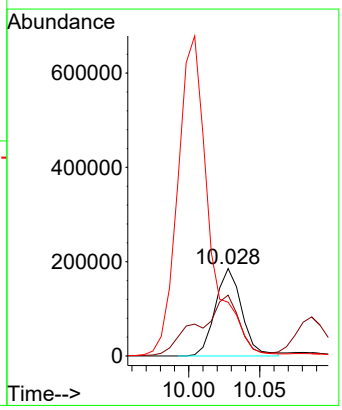


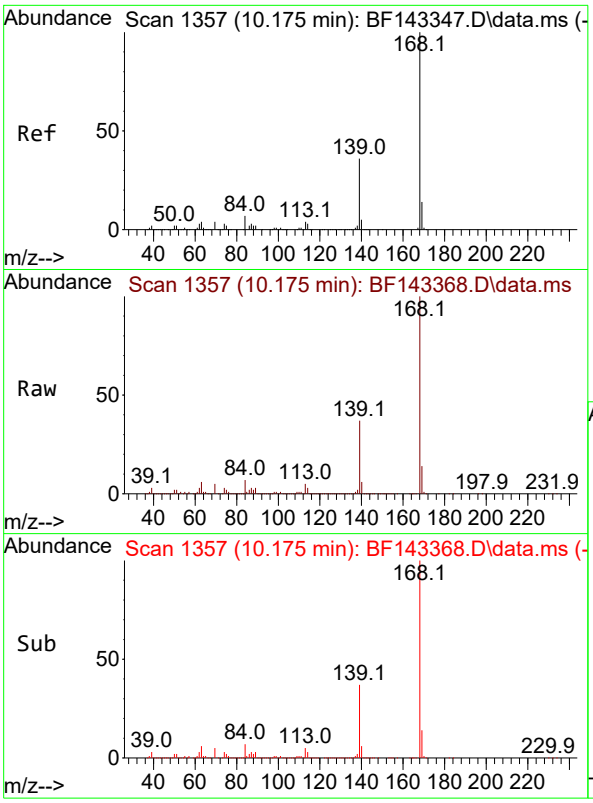


#54
2,4-Dinitrophenol
Concen: 108.851 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:184 Resp: 241742

Ion	Ratio	Lower	Upper
184	100		
63	69.7	62.5	93.7
154	61.6	73.0	109.4#

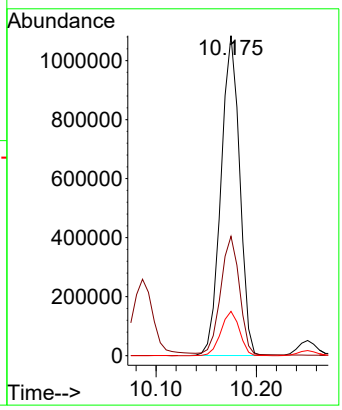




#55
Dibenzofuran
Concen: 45.461 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:168 Resp: 140197

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.4	44.0
169	13.8	11.0	16.6



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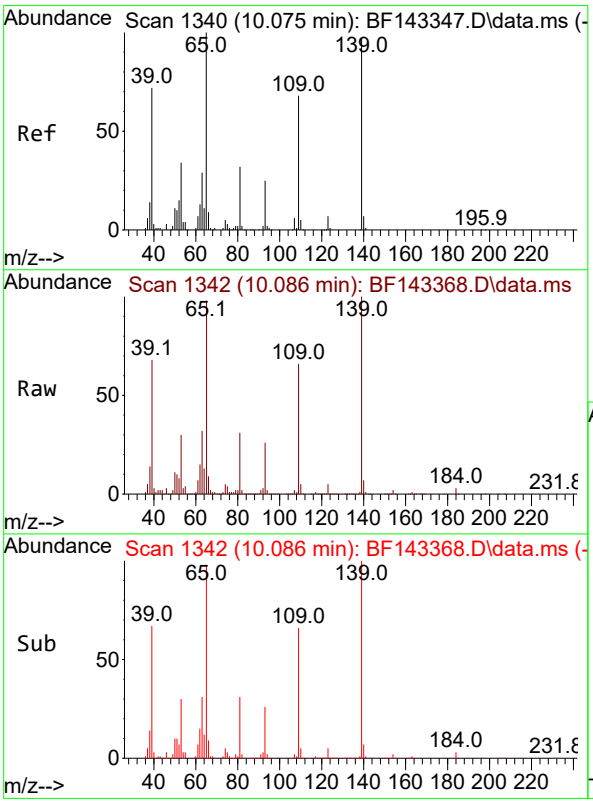
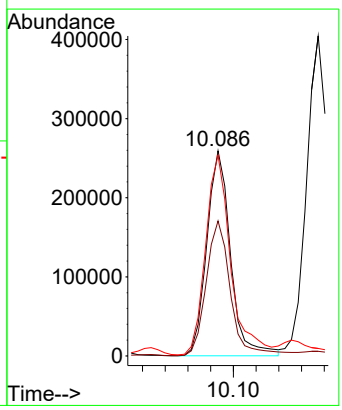
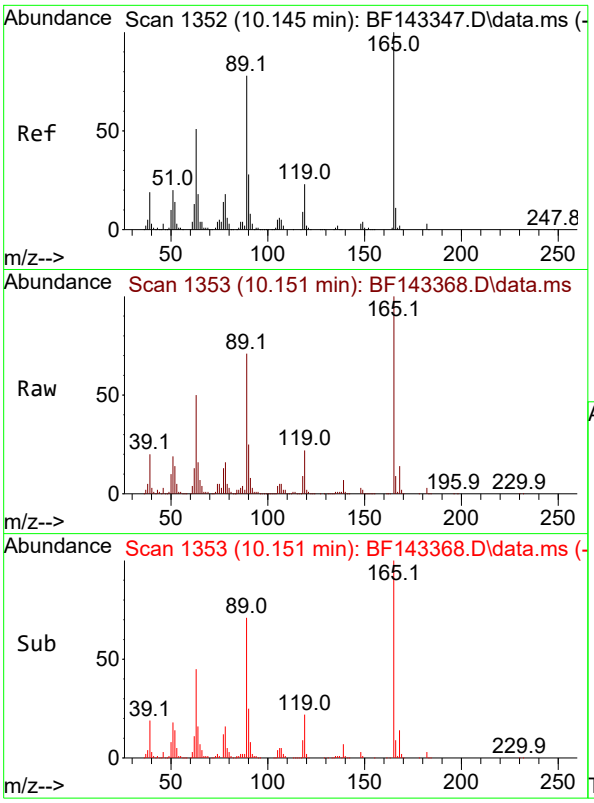


#56
4-Nitrophenol
Concen: 97.115 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:139 Resp: 377068

Ion	Ratio	Lower	Upper
139	100		
109	65.9	49.4	89.4
65	97.8	83.7	123.7

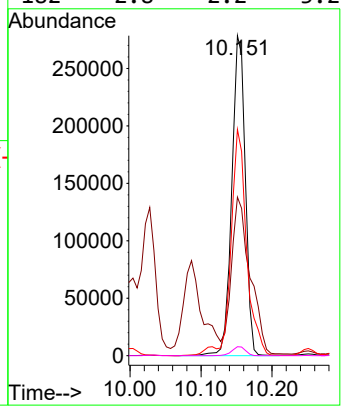




#57
2,4-Dinitrotoluene
Concen: 61.658 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:165 Resp: 36797

Ion	Ratio	Lower	Upper
165	100		
63	49.5	41.8	62.8
89	70.7	62.4	93.6
182	2.8	2.2	3.2



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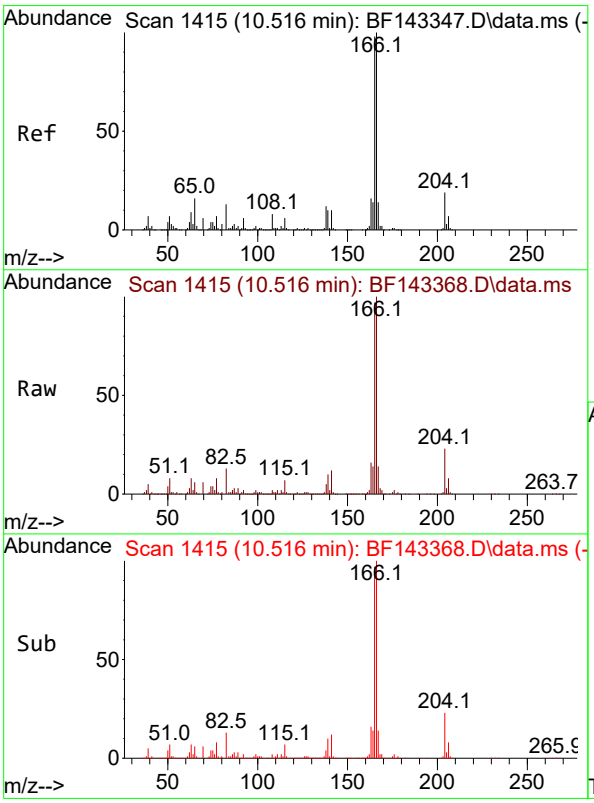
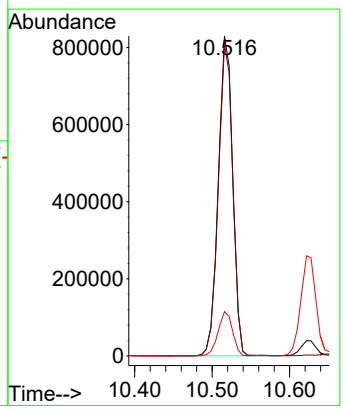
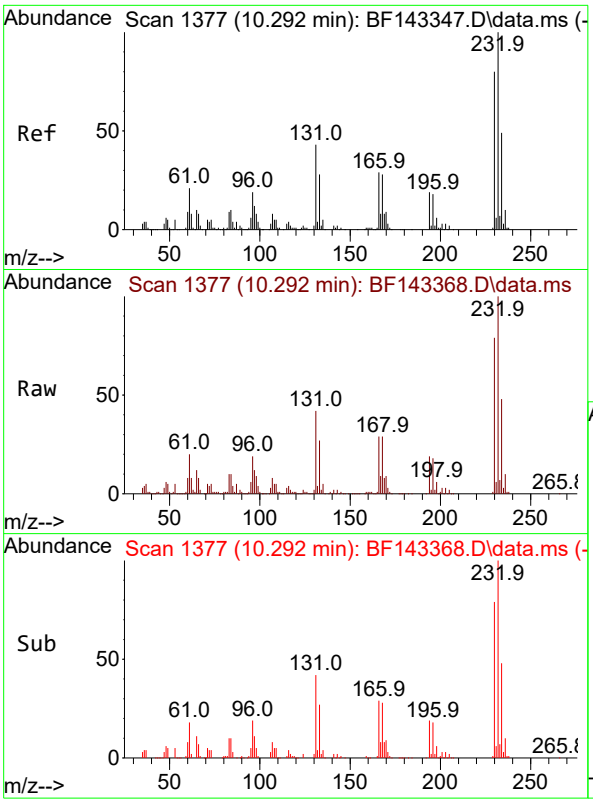


#58
Fluorene
Concen: 45.419 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:166 Resp: 1069858

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.2	117.4
167	13.9	10.9	16.3

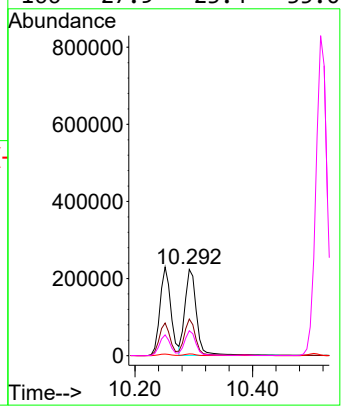




#59
2,3,4,6-Tetrachlorophenol
Concen: 63.954 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:232 Resp: 30295

Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.6	51.8
130	1.9	1.7	2.5
166	27.9	23.4	35.0



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ClientSampleId :
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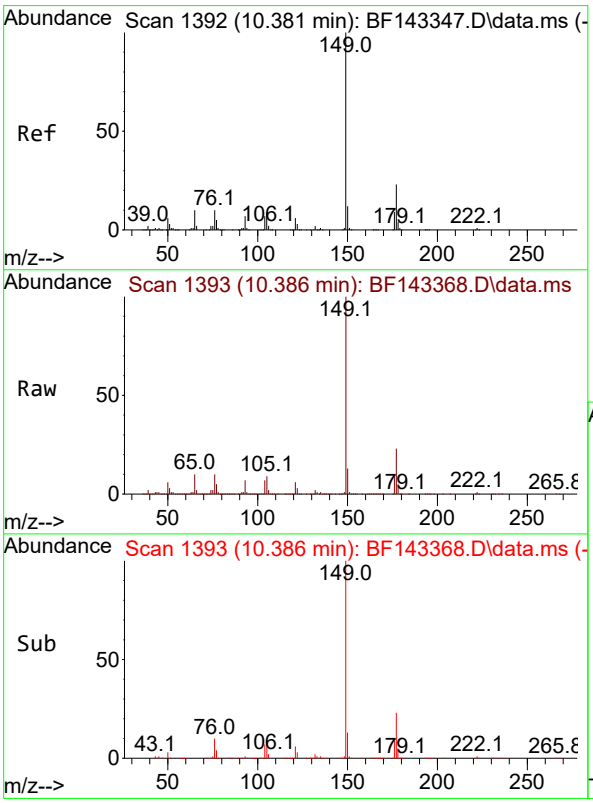
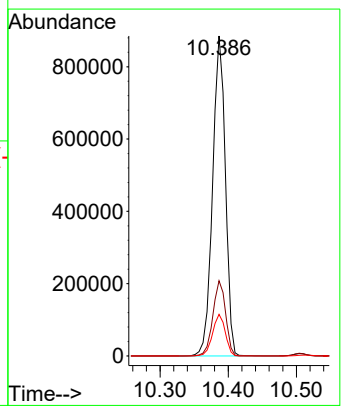
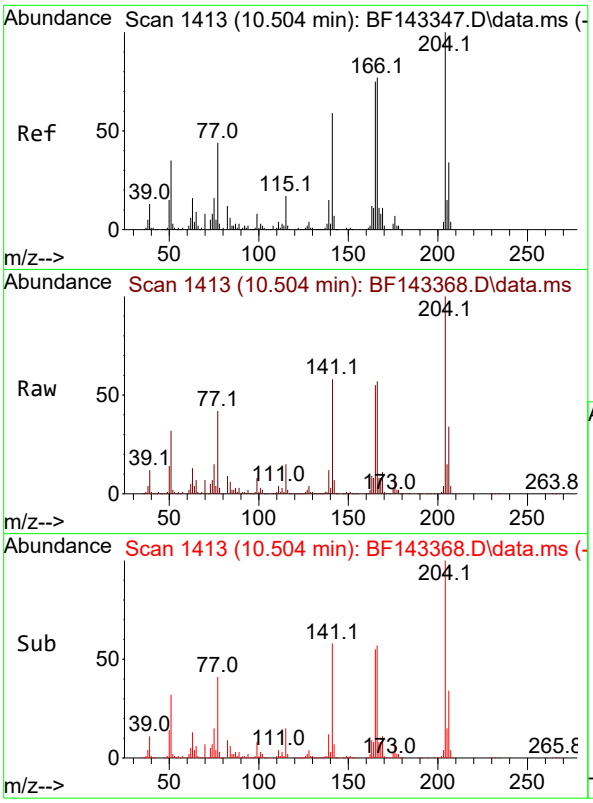


#60
Diethylphthalate
Concen: 55.082 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 1155461

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.2	27.2
150	13.0	9.9	14.9

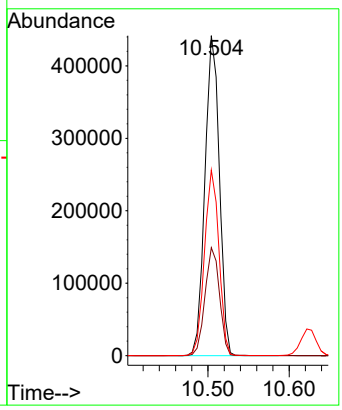




#61
4-Chlorophenyl-phenylether
Concen: 47.882 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:204 Resp: 54498

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	58.0	46.9	70.3



Instrument :
BNA_F
ClientSampleId :
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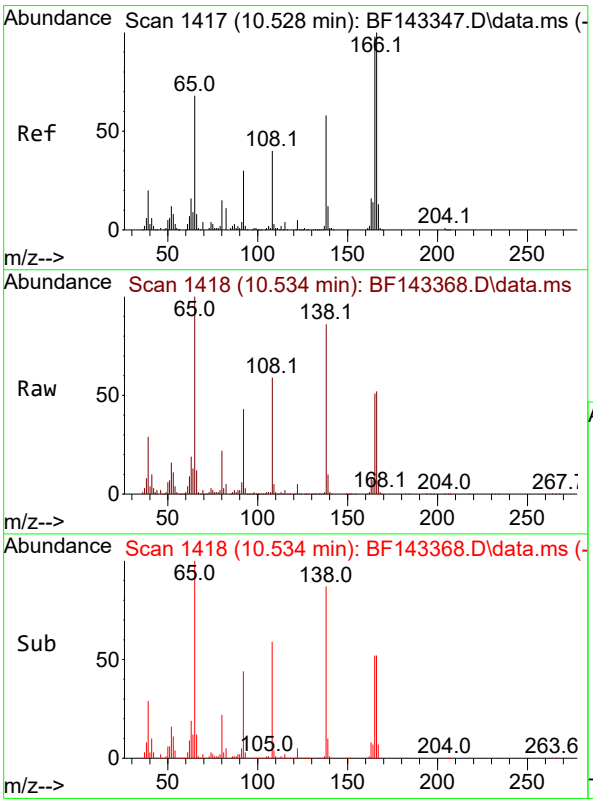
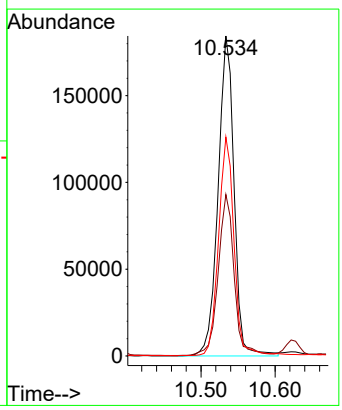
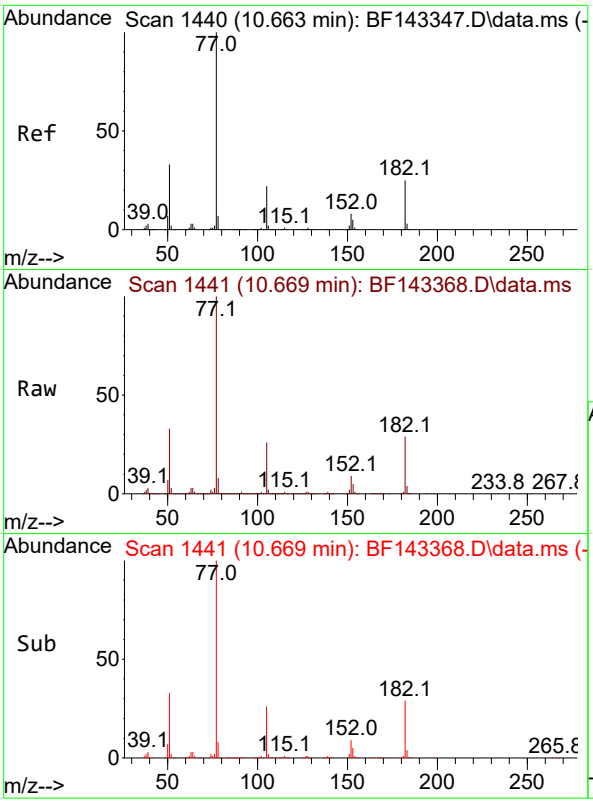


#62
4-Nitroaniline
Concen: 59.587 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:138 Resp: 276498

Ion	Ratio	Lower	Upper
138	100		
92	50.5	31.2	71.2
108	68.4	48.1	88.1

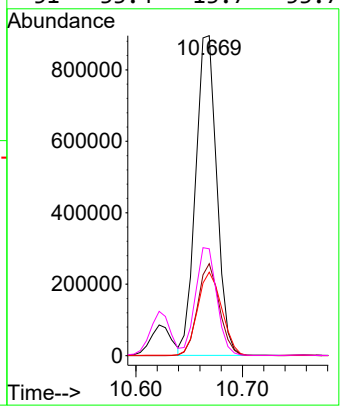




#63
Azobenzene
Concen: 51.569 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 77 Resp: 123560

Ion	Ratio	Lower	Upper
77	100		
182	28.8	4.4	44.4
105	26.1	1.8	41.8
51	33.4	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
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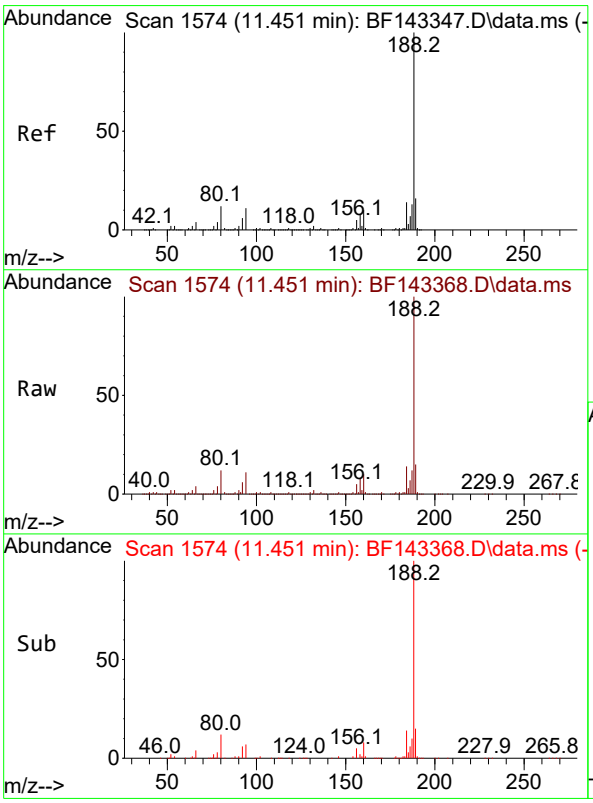
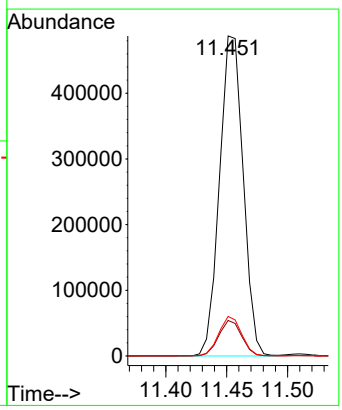
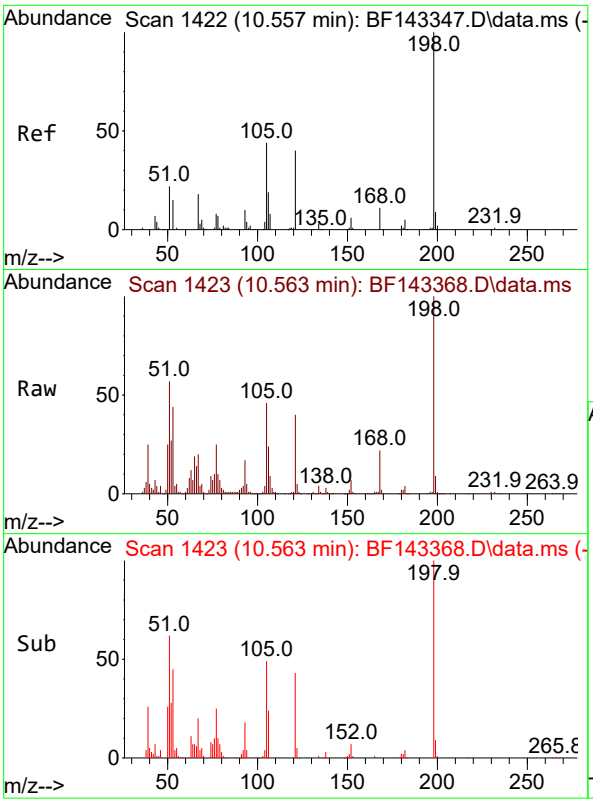


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:188 Resp: 660496

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.8	13.2
80	12.4	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 66.409 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:198 Resp: 18622

Ion	Ratio	Lower	Upper
198	100		
51	57.4	41.7	81.7
105	45.7	26.8	66.8

Instrument :
BNA_F
ClientSampleId :
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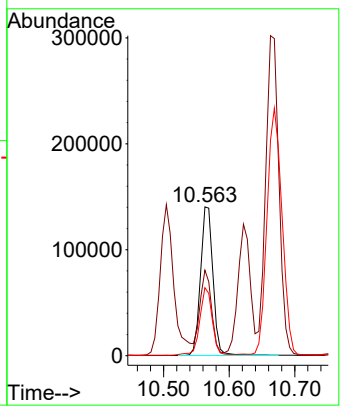
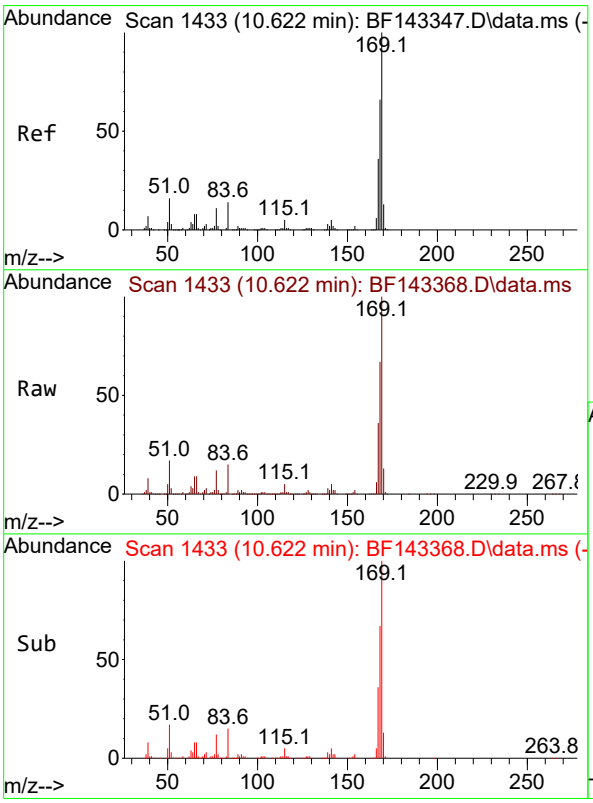
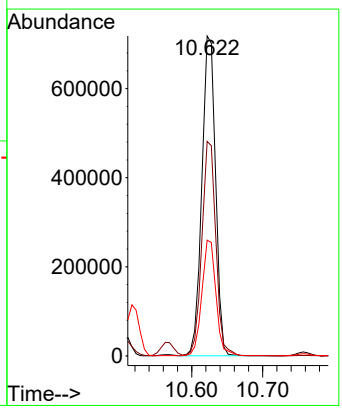


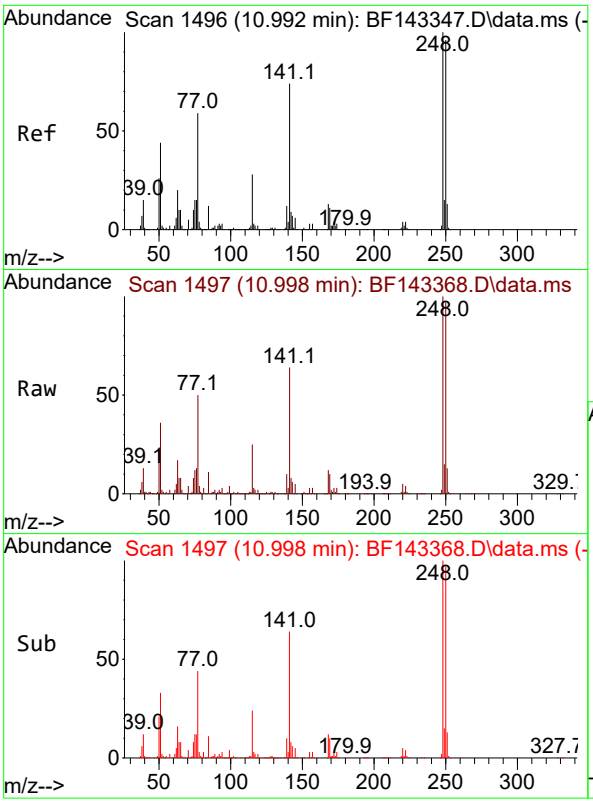


#66
n-Nitrosodiphenylamine
Concen: 44.277 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:169 Resp: 962968

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.7	79.1
167	36.2	28.6	42.8





#67
4-Bromophenyl-phenylether
Concen: 47.475 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:248 Resp: 35862

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.1	115.7
141	64.4	59.1	88.7

Instrument :
BNA_F
ClientSampleId :
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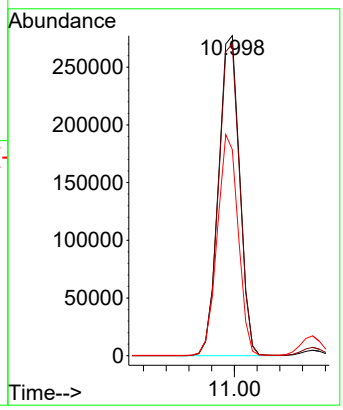
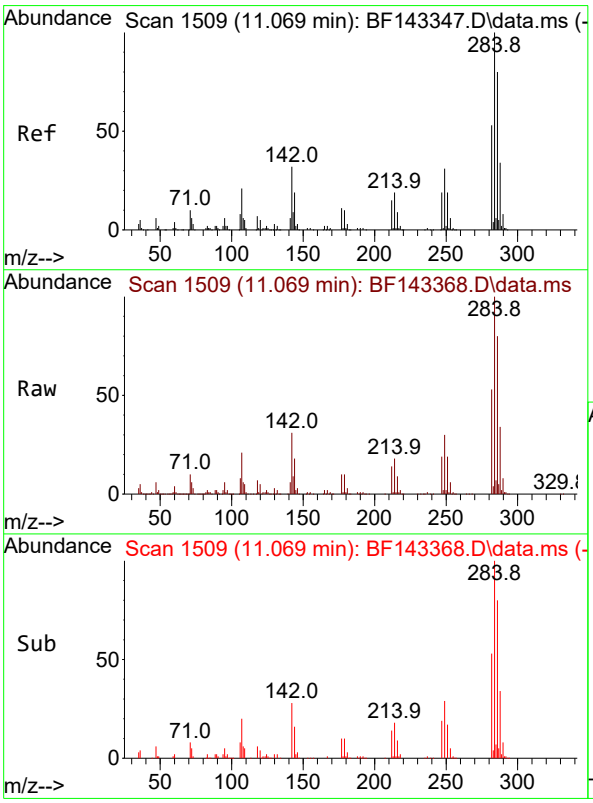
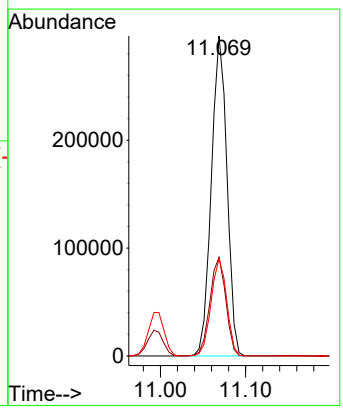


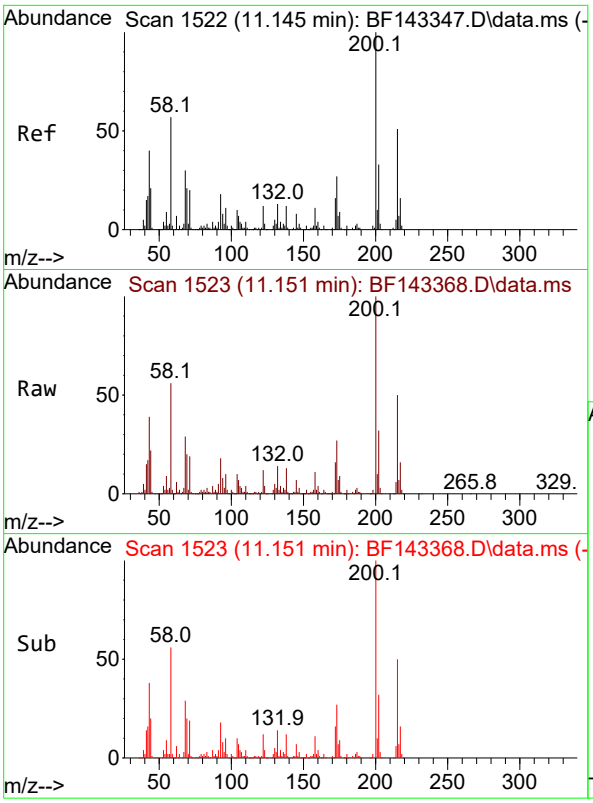


#68
Hexachlorobenzene
Concen: 46.259 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:284 Resp: 376657

Ion	Ratio	Lower	Upper
284	100		
142	30.9	25.7	38.5
249	30.4	24.6	37.0

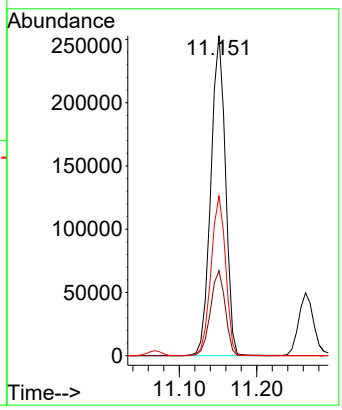




#69
Atrazine
Concen: 58.471 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:200 Resp: 33167

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	49.9	30.6	70.6



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BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations
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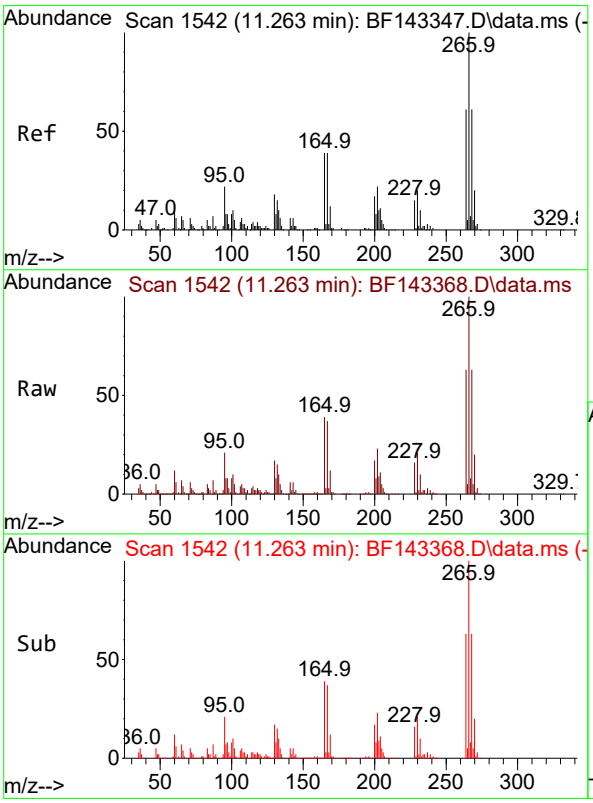
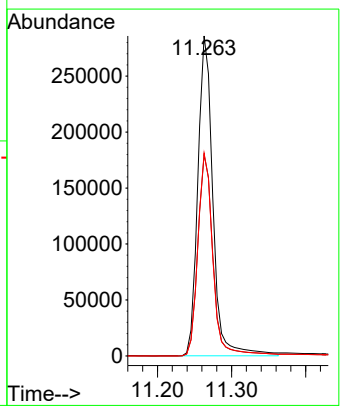
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

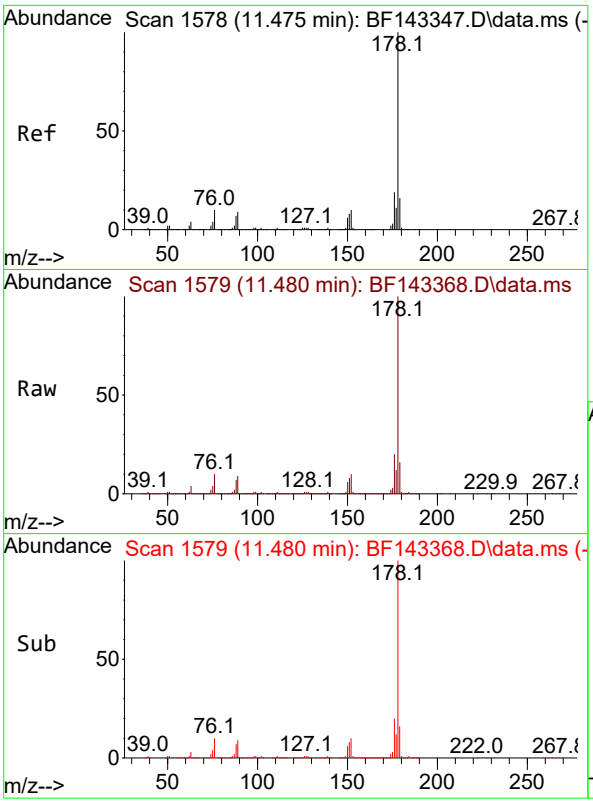


#70
Pentachlorophenol
Concen: 99.770 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:266 Resp: 403940

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.8	73.2
264	63.4	48.8	73.2

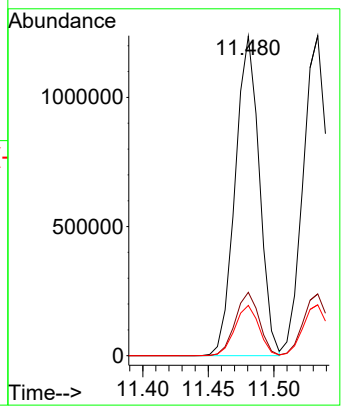




#71
Phenanthrene
Concen: 43.924 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:178 Resp: 158286

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.5	18.7



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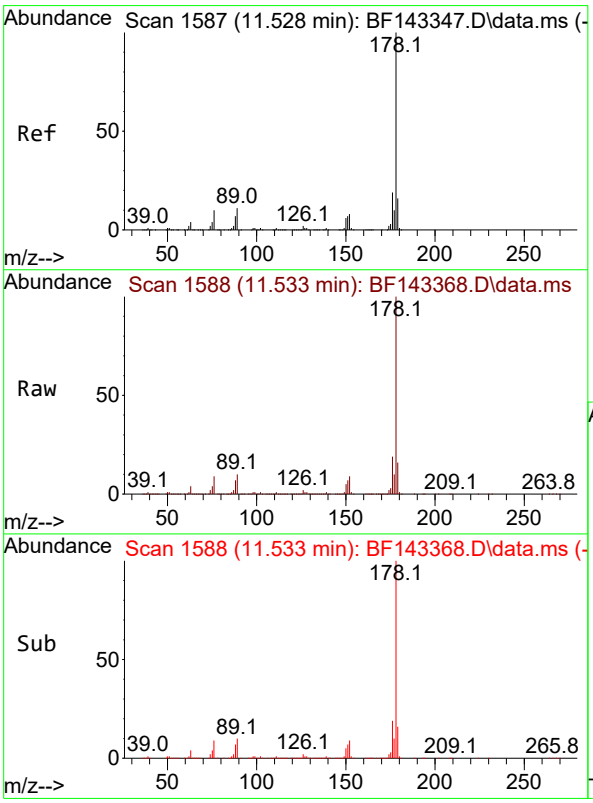
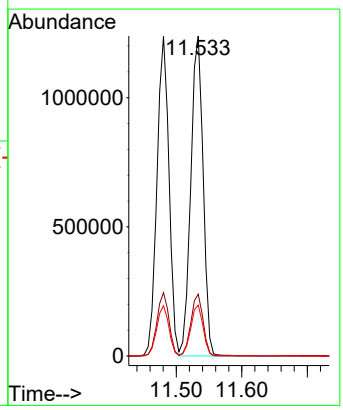
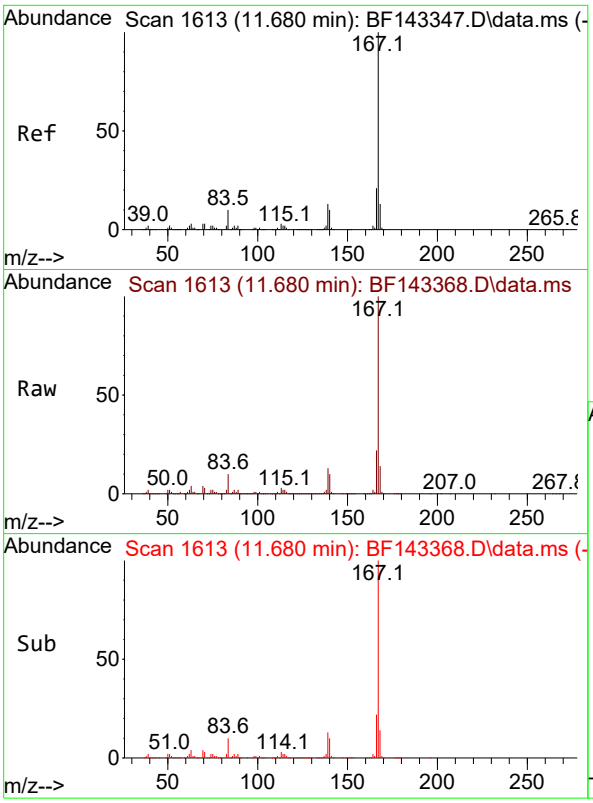


#72
Anthracene
Concen: 44.251 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:178 Resp: 1617222

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.9	12.7	19.1





#73
Carbazole
Concen: 46.126 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:167 Resp: 143565

Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.8	25.2
139	13.0	10.2	15.2

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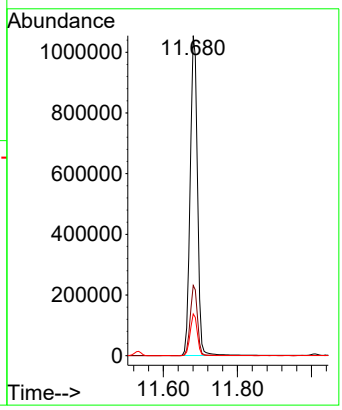
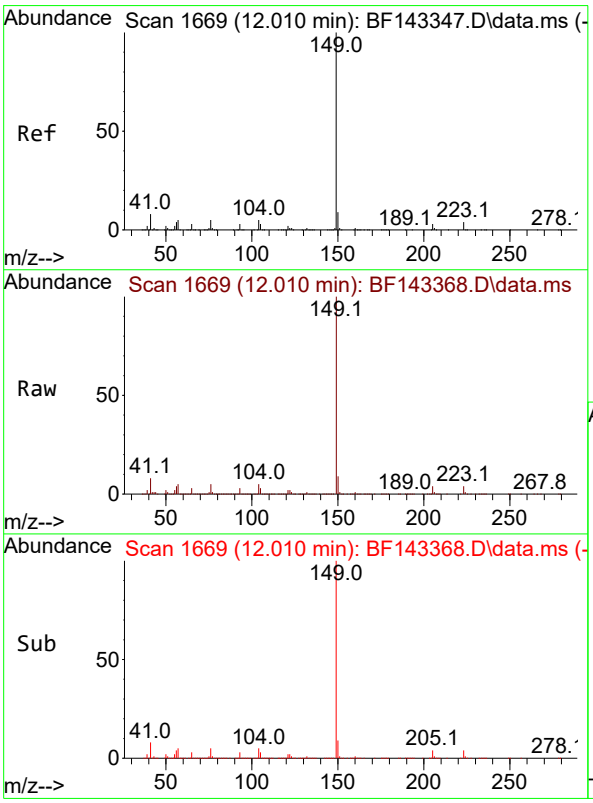
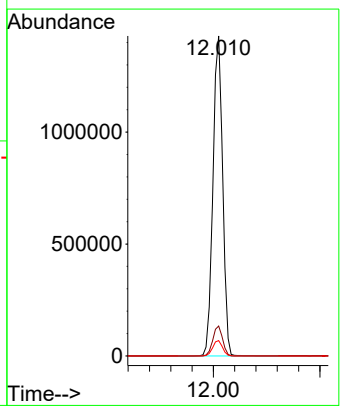


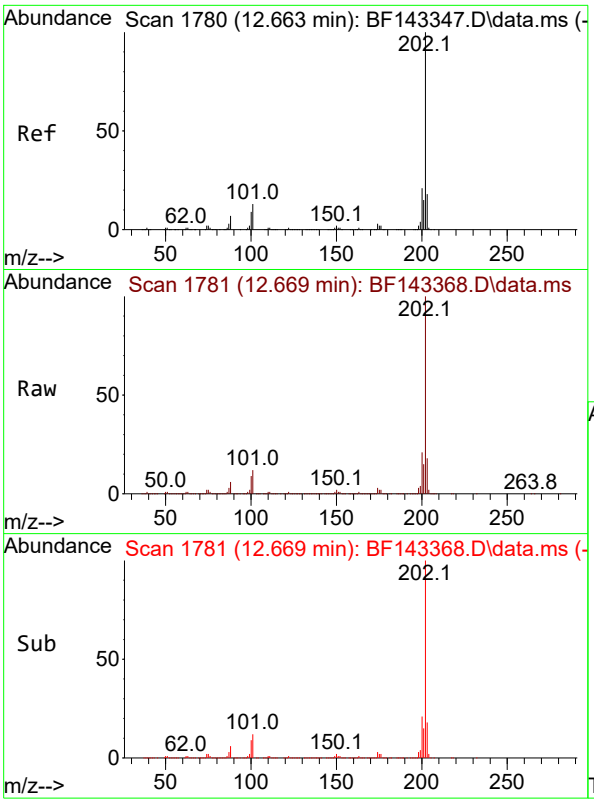


#74
Di-n-butylphthalate
Concen: 68.584 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 1806368

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.8	3.8	5.8

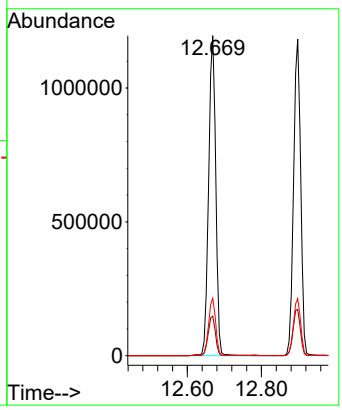




#75
Fluoranthene
Concen: 50.705 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:202 Resp: 160058

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.9	0.0	37.6



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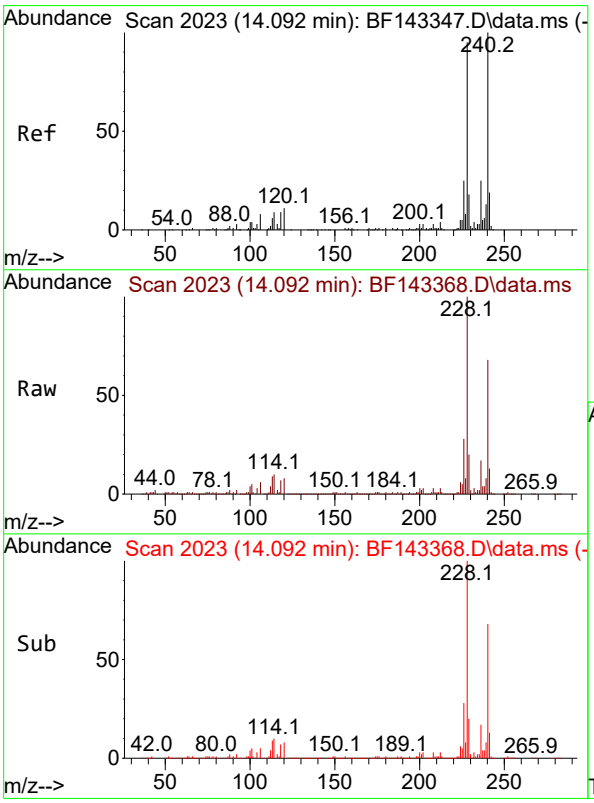
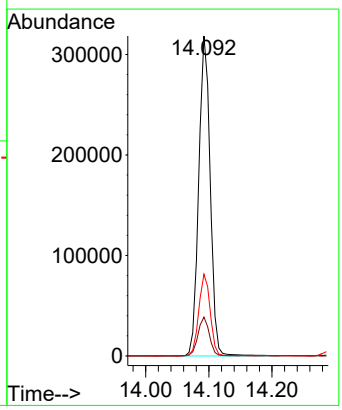
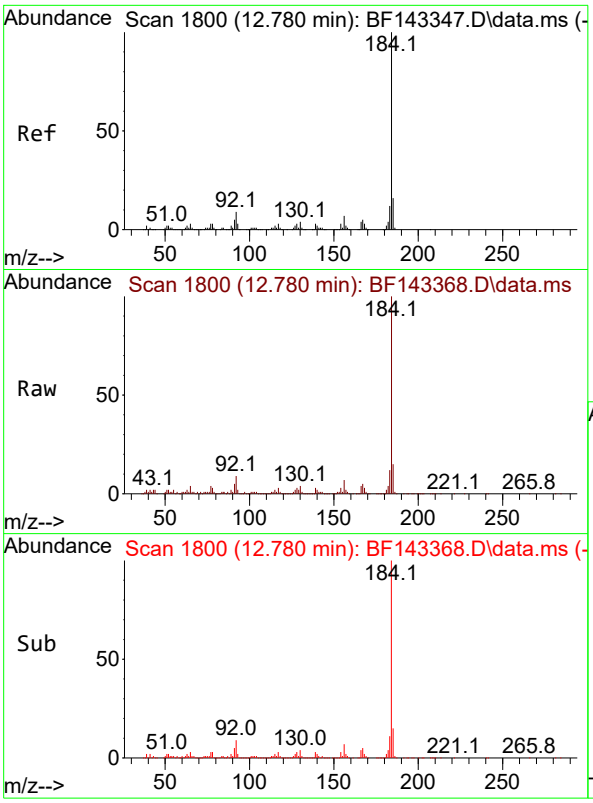


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:240 Resp: 401162

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.6
236	25.6	19.9	29.9

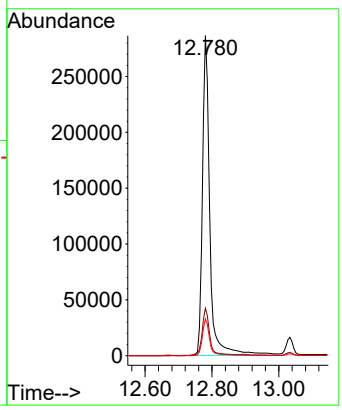




#77
Benzidine
Concen: 40.413 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:184 Resp: 44322

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.8	19.2
183	11.5	9.3	13.9



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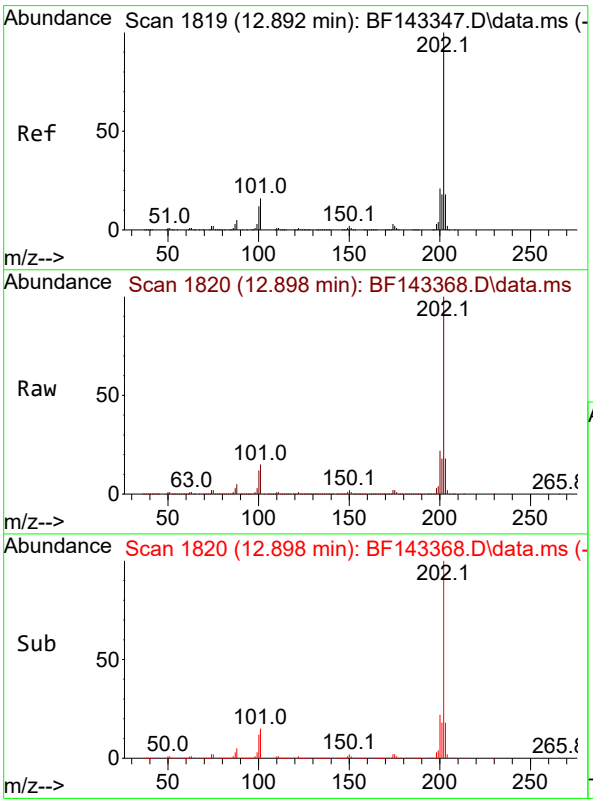
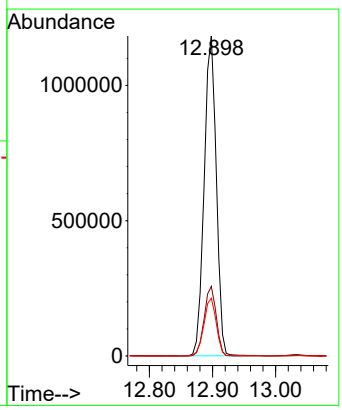
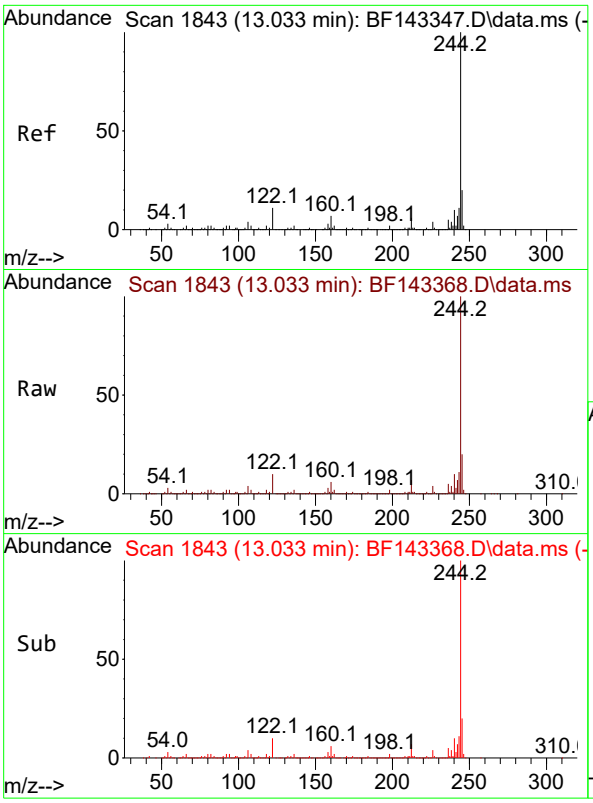


#78
Pyrene
Concen: 46.752 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:202 Resp: 1573380

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.1	14.2	21.4





#79
Terphenyl-d14
Concen: 77.549 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:244 Resp: 174252

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	10.4	8.9	13.3

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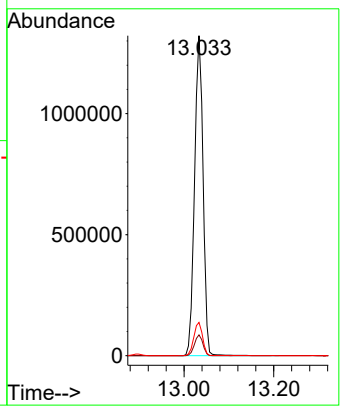
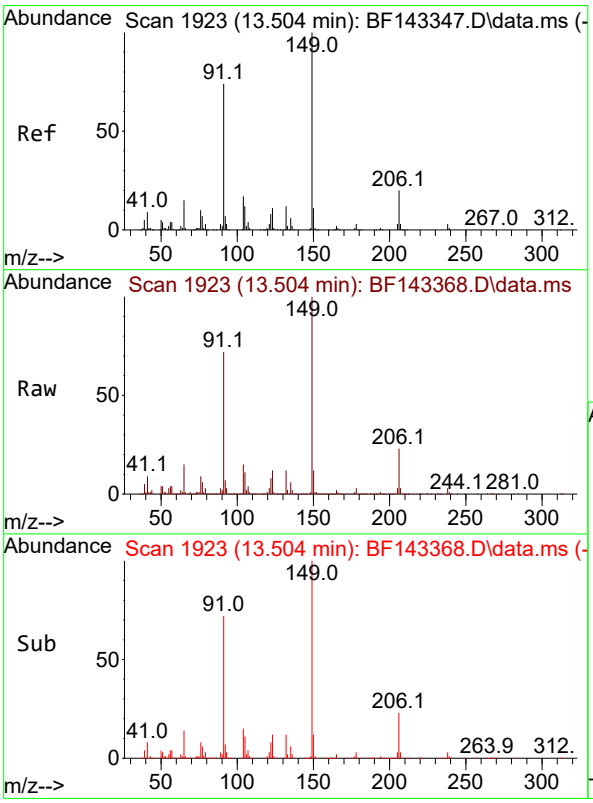
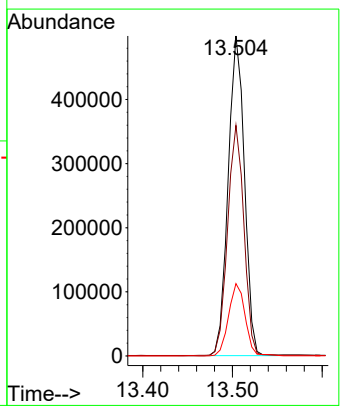


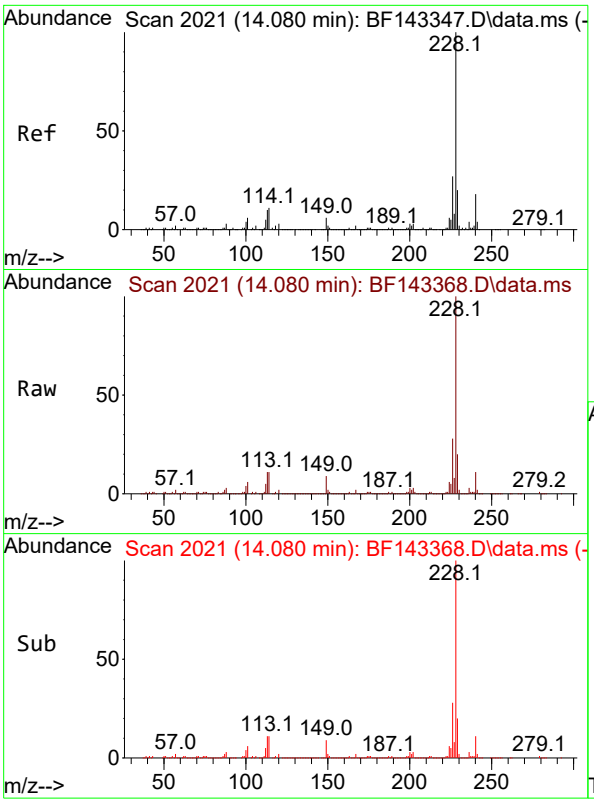


#80
Butylbenzylphthalate
Concen: 91.246 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 628406

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.8	88.2
206	22.6	16.4	24.6

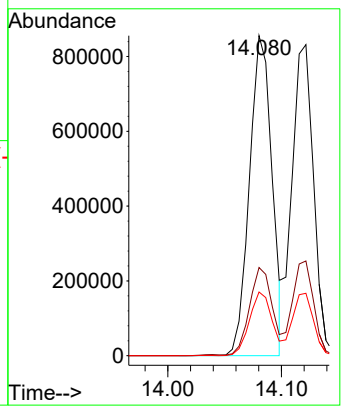




#81
Benzo(a)anthracene
Concen: 46.189 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:228 Resp: 117770

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	19.9	15.8	23.8



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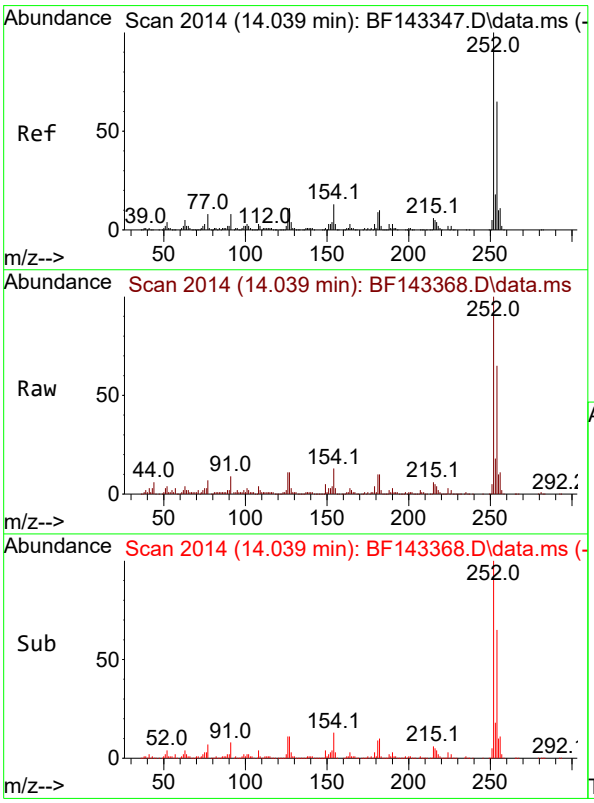
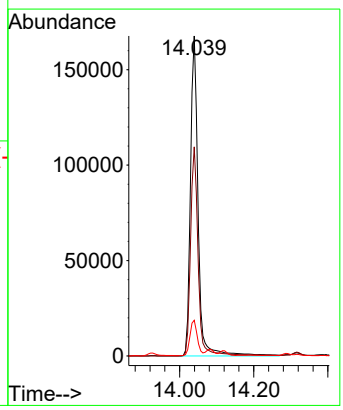
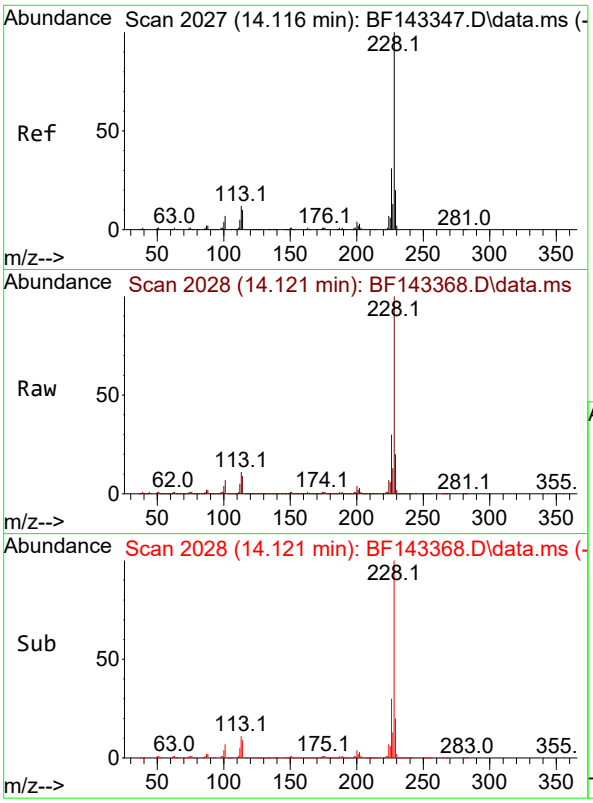


#82
3,3'-Dichlorobenzidine
Concen: 34.980 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 240837

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	11.2	9.2	13.8

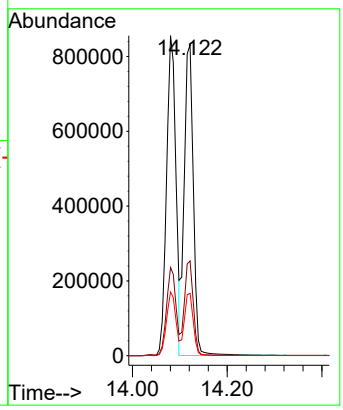




#83
Chrysene
Concen: 46.969 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:228 Resp: 111668

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.8	23.6



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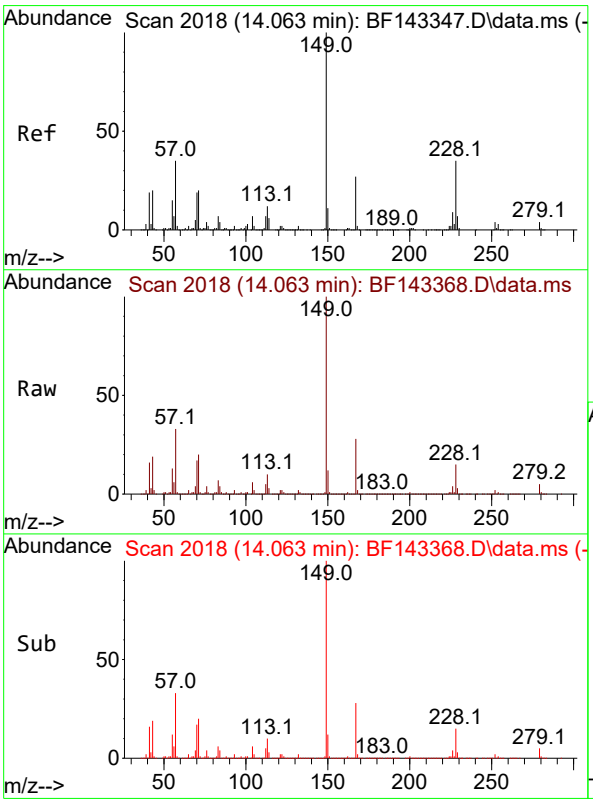
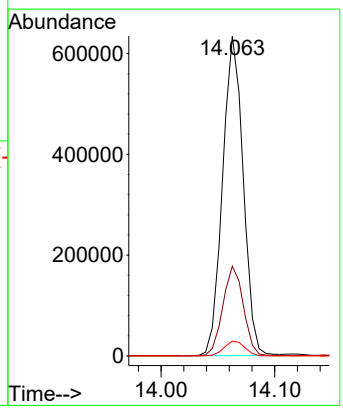
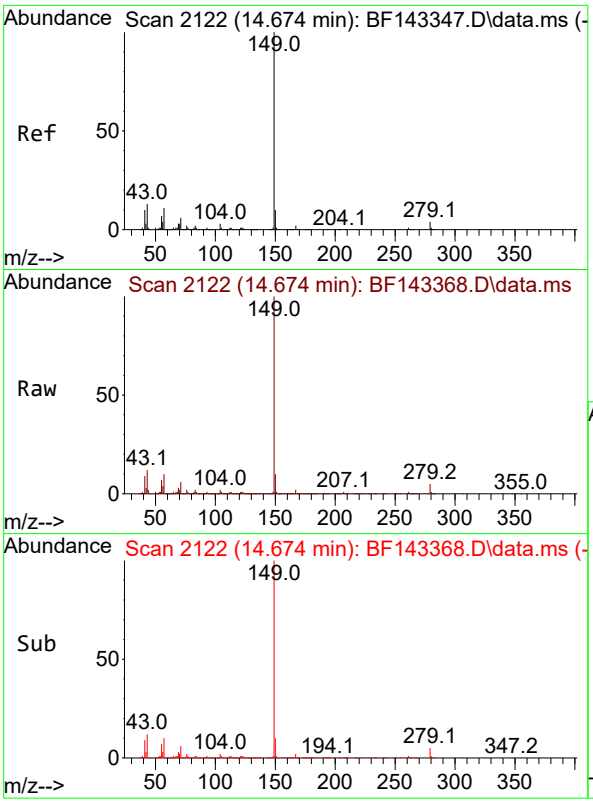


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.088 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 801196

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.7	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 57.708 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 115105

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	10.8	16.2

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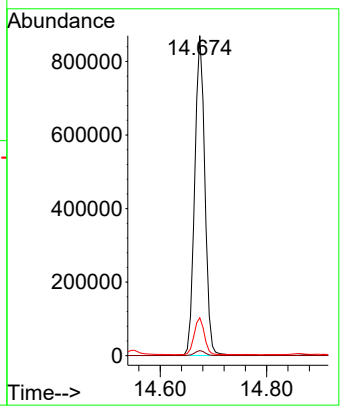
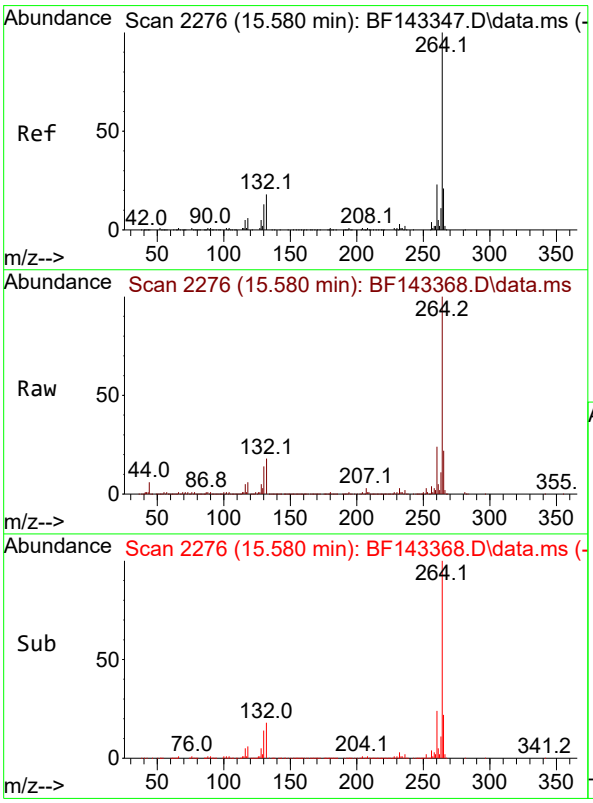
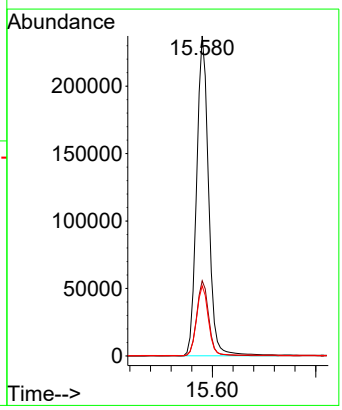


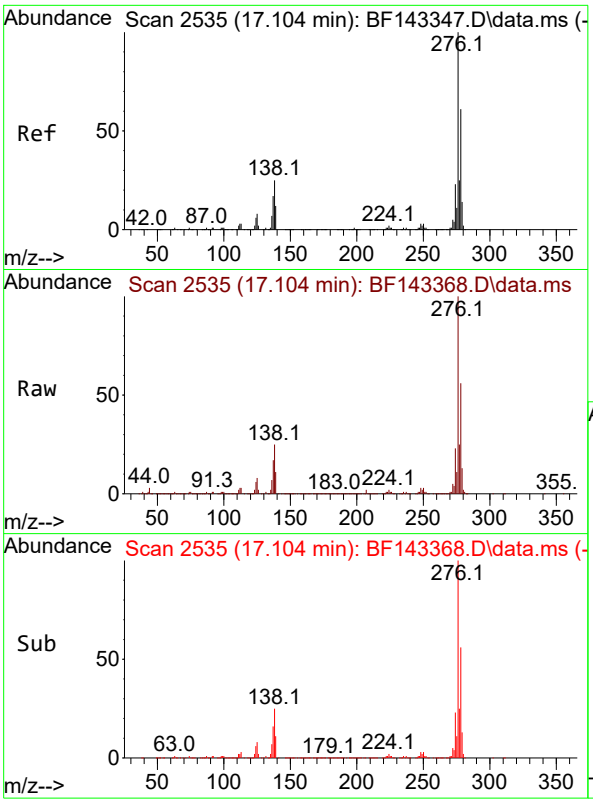


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:264 Resp: 380758

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.9	17.2	25.8

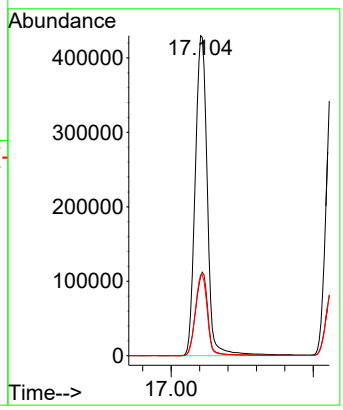




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.571 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:276 Resp: 127039

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.3	20.2	30.2



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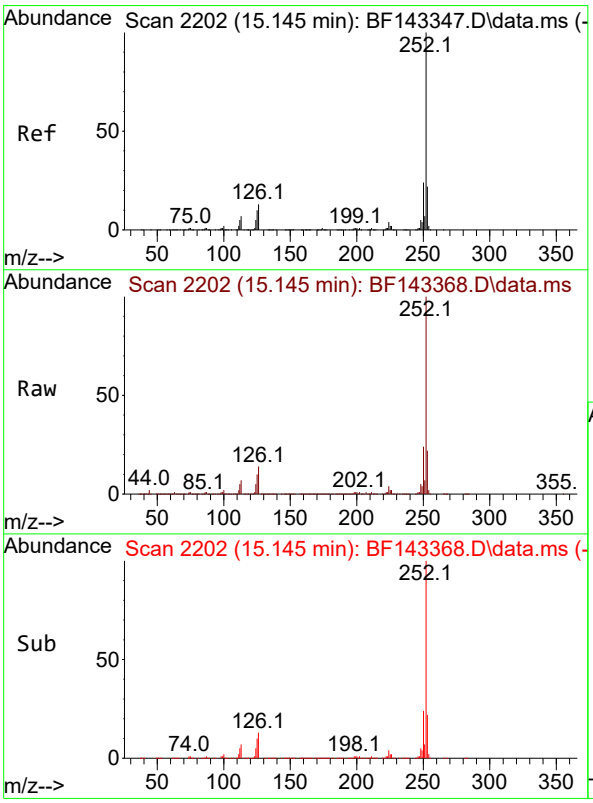
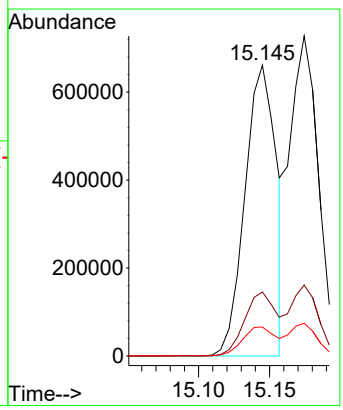
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

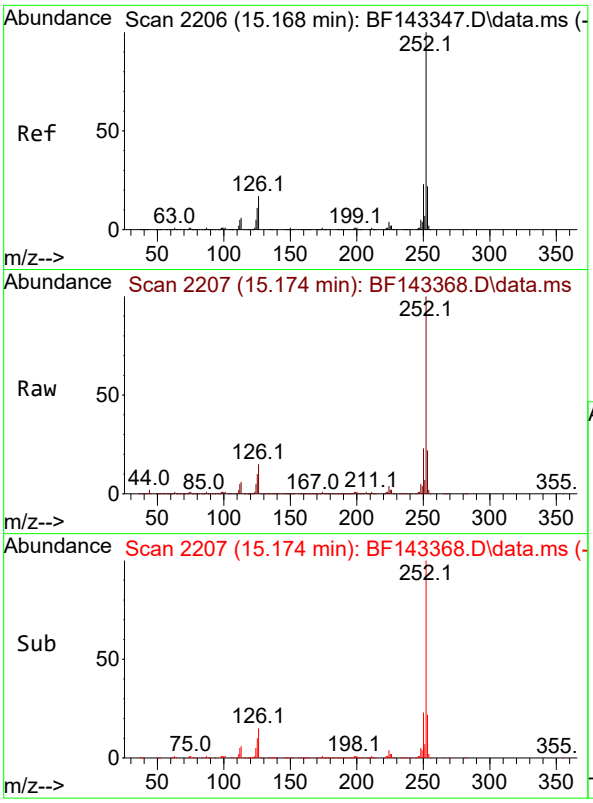


#88
Benzo(b)fluoranthene
Concen: 48.563 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 1011358

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.0	7.8	11.6

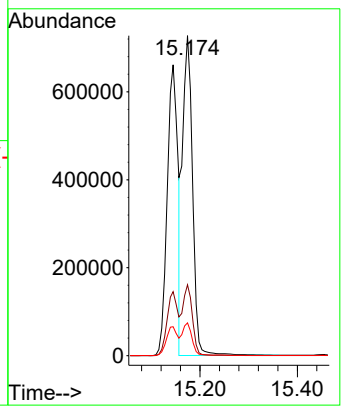




#89
Benzo(k)fluoranthene
Concen: 51.160 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 103528

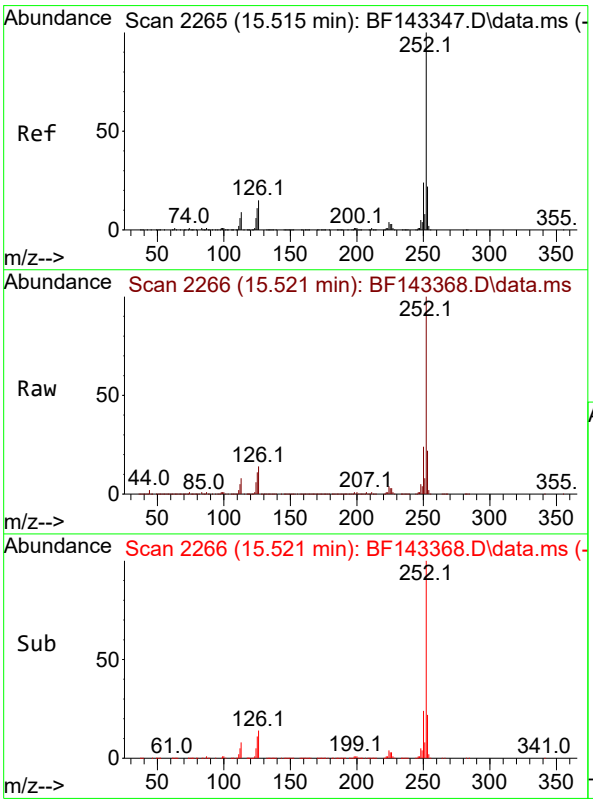
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations APPROVED

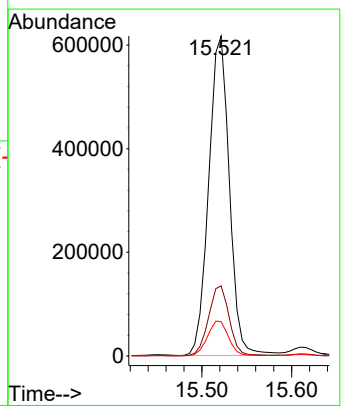
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025

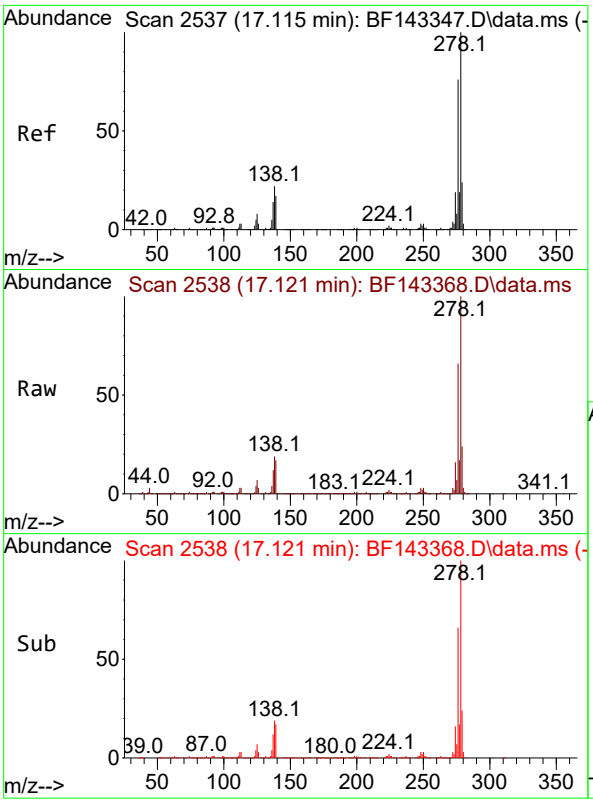


#90
Benzo(a)pyrene
Concen: 50.356 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 987713

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.7	9.1	13.7

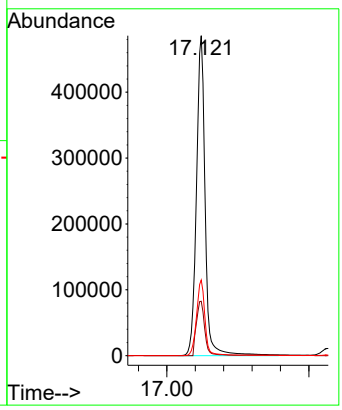




#91
Dibenzo(a,h)anthracene
Concen: 47.665 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:278 Resp: 103876

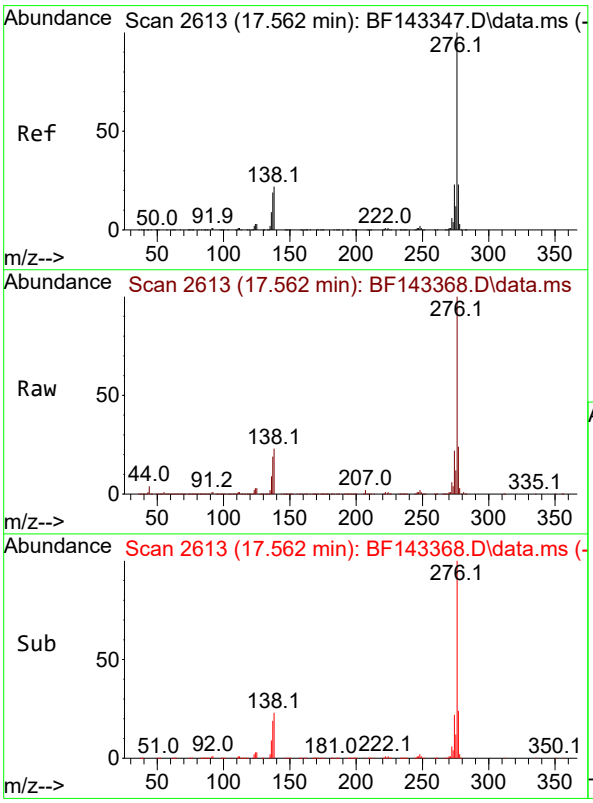
Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.7	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Manual Integrations
APPROVED

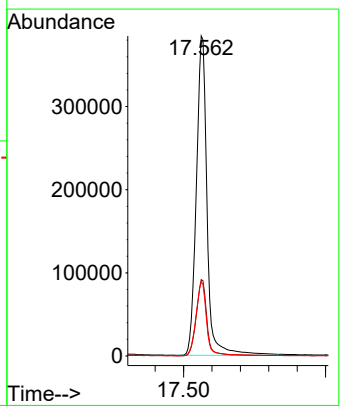
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#92
Benzo(g,h,i)perylene
Concen: 45.924 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:276 Resp: 1008201

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	23.1	17.8	26.8



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Manual Integration Report

Sequence:	BF081225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143345.D	Benzoic acid	Rahul	8/13/2025 8:58:28 AM	Jagrut	8/13/2025 11:10:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf081325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2830-05MS	BF143367.D	2,4-Dimethylphenol	Rahul	8/14/2025 10:12:53 AM	Jagrut	8/15/2025 12:46:35 PM	Peak Integrated by Software
Q2830-05MSD	BF143368.D	Caprolactam	Rahul	8/14/2025 10:12:55 AM	Jagrut	8/15/2025 12:46:37 PM	Peak Integrated by Software
SSTDCCC040	BF143375.D	2,4-Dimethylphenol	Rahul	8/14/2025 10:13:11 AM	Jagrut	8/15/2025 12:46:49 PM	Peak Integrated by Software
SSTDCCC040	BF143375.D	Benzoic acid	Rahul	8/14/2025 10:13:11 AM	Jagrut	8/15/2025 12:46:49 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF082025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	BF082125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bp080525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025299.D	2,3,4,6-Tetrachlorophenol	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC005	BP025299.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:06 AM	Jagrut	8/6/2025 10:57:46 AM	Peak Integrated by Software
SSTDICC020	BP025301.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:08 AM	Jagrut	8/6/2025 10:57:48 AM	Peak Integrated by Software
SSTDICCC040	BP025302.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:12 AM	Jagrut	8/6/2025 10:57:51 AM	Peak Integrated by Software
SSTDICC050	BP025303.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:14 AM	Jagrut	8/6/2025 10:57:53 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzaldehyde	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Benzo(g,h,i)perylene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Caprolactam	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICC080	BP025305.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:17 AM	Jagrut	8/6/2025 10:57:55 AM	Peak Integrated by Software
SSTDICV040	BP025306.D	Indeno(1,2,3-cd)pyrene	Rahul	8/6/2025 10:18:20 AM	Jagrut	8/6/2025 10:57:58 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025377.D	Indeno(1,2,3-cd)pyrene	Rahul	8/14/2025 10:14:27 AM	Jagrut	8/14/2025 2:29:12 PM	Peak Integrated by Software
Q2820-05	BP025381.D	Benzoic acid	Rahul	8/14/2025 10:14:33 AM	Jagrut	8/14/2025 2:29:17 PM	Peak Integrated by Software
Q2820-06	BP025382.D	Benzoic acid	Rahul	8/14/2025 10:14:35 AM	Jagrut	8/14/2025 2:29:20 PM	Peak Integrated by Software
Q2820-07	BP025388.D	Benzo(k)fluoranthene	Rahul	8/14/2025 10:14:38 AM	Jagrut	8/14/2025 2:29:22 PM	Peak Integrated by Software
SSTDCCC040	BP025389.D	Acenaphthene	Rahul	8/14/2025 10:14:41 AM	Jagrut	8/14/2025 2:29:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169210BS	BP025402.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:35 AM	Jagrut	8/15/2025 12:49:41 PM	Peak Integrated by Software
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
PB169228BS	BP025407.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:28 AM	Jagrut	8/15/2025 12:49:48 PM	Peak Integrated by Software
Q2820-17MS	BP025415.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:24 AM	Jagrut	8/15/2025 12:49:51 PM	Peak Integrated by Software
Q2820-17MSD	BP025416.D	Caprolactam	Rahul	8/15/2025 9:34:22 AM	Jagrut	8/15/2025 12:49:53 PM	Peak Integrated by Software
Q2820-17MSD	BP025416.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:22 AM	Jagrut	8/15/2025 12:49:53 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025422.D	Acenaphthene	Rahul	8/18/2025 8:33:34 AM	Jagrut	8/18/2025 8:42:26 AM	Peak Integrated by Software
SSTDCCC040	BP025436.D	Acenaphthene	Rahul	8/18/2025 8:33:44 AM	Jagrut	8/18/2025 8:42:33 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Acenaphthene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software
SSTDCCC040	BP025438.D	Benzo(g,h,i)perylene	Rahul	8/18/2025 8:33:47 AM	Jagrut	8/18/2025 8:42:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025487.D	Indeno(1,2,3-cd)pyrene	Rahul	8/20/2025 8:38:27 AM	Jagrut	8/20/2025 12:06:52 PM	Peak Integrated by Software
SSTDCCC040	BP025502.D	Acenaphthene	Rahul	8/20/2025 1:15:14 PM	Jagrut	8/21/2025 2:16:52 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp082025	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025504.D	Benzoic acid	Rahul	8/21/2025 2:05:22 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software
Q2819-03MS	BP025516.D	Caprolactam	Rahul	8/21/2025 2:05:33 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software
Q2819-03MS	BP025516.D	Indeno(1,2,3-cd)pyrene	Rahul	8/21/2025 2:05:33 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software
Q2819-03MSD	BP025517.D	Indeno(1,2,3-cd)pyrene	Rahul	8/21/2025 2:05:35 PM	mohammad	8/22/2025 8:27:03 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143342.D	12 Aug 2025 08:34	RC/JU	Ok
2	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03	RC/JU	Ok
3	SSTDICC005	BF143344.D	12 Aug 2025 09:34	RC/JU	Ok
4	SSTDICC010	BF143345.D	12 Aug 2025 10:04	RC/JU	Ok,M
5	SSTDICC020	BF143346.D	12 Aug 2025 10:35	RC/JU	Ok
6	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	RC/JU	Ok
7	SSTDICC050	BF143348.D	12 Aug 2025 11:37	RC/JU	Ok
8	SSTDICC060	BF143349.D	12 Aug 2025 12:07	RC/JU	Ok
9	SSTDICC080	BF143350.D	12 Aug 2025 12:38	RC/JU	Ok
10	SSTDICV040	BF143351.D	12 Aug 2025 13:52	RC/JU	Ok
11	PB169189BL	BF143352.D	12 Aug 2025 14:22	RC/JU	Ok
12	PB169189BS	BF143353.D	12 Aug 2025 14:53	RC/JU	Ok,M
13	Q2807-02	BF143354.D	12 Aug 2025 15:33	RC/JU	Ok,M
14	Q2807-01	BF143355.D	12 Aug 2025 16:02	RC/JU	Ok
15	Q2807-03	BF143356.D	12 Aug 2025 16:32	RC/JU	Ok,M
16	Q2807-03MS	BF143357.D	12 Aug 2025 17:02	RC/JU	Ok
17	Q2807-03MSD	BF143358.D	12 Aug 2025 17:32	RC/JU	Ok,M
18	Q2830-07	BF143359.D	12 Aug 2025 18:02	RC/JU	Ok
19	Q2830-01	BF143360.D	12 Aug 2025 18:32	RC/JU	Ok
20	Q2830-03	BF143361.D	12 Aug 2025 19:02	RC/JU	Ok
21	Q2830-05	BF143362.D	12 Aug 2025 19:32	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2831-01	BF143363.D	12 Aug 2025 20:02	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

Review By	Rahul	Review On	8/14/2025 10:13:42 AM				
Supervise By	Jagrut	Supervise On	8/15/2025 12:47:02 PM				
SubDirectory	BF081325	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143364.D	13 Aug 2025 08:59	RC/JU	Ok
2	SSTDCCC040	BF143365.D	13 Aug 2025 10:00	RC/JU	Ok
3	PB169210BL	BF143366.D	13 Aug 2025 10:30	RC/JU	Ok
4	Q2830-05MS	BF143367.D	13 Aug 2025 11:12	RC/JU	Ok,M
5	Q2830-05MSD	BF143368.D	13 Aug 2025 11:42	RC/JU	Ok,M
6	Q2808-04	BF143369.D	13 Aug 2025 12:12	RC/JU	Ok
7	Q2808-04MS	BF143370.D	13 Aug 2025 12:42	RC/JU	Ok,M
8	Q2808-04MSD	BF143371.D	13 Aug 2025 13:12	RC/JU	Ok,M
9	Q2827-04	BF143372.D	13 Aug 2025 13:42	RC/JU	Ok
10	Q2827-08	BF143373.D	13 Aug 2025 14:11	RC/JU	Ok,M
11	Q2831-03	BF143374.D	13 Aug 2025 14:42	RC/JU	Ok,M
12	SSTDCCC040	BF143375.D	13 Aug 2025 15:41	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM				
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM				
SubDirectory	BF082025	HP Acquire Method	BNA_F		HP Processing Method	bf082025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143476.D	20 Aug 2025 10:26	RC/JU	Ok
2	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55	RC/JU	Ok
3	SSTDICC005	BF143478.D	20 Aug 2025 11:25	RC/JU	Ok
4	SSTDICC010	BF143479.D	20 Aug 2025 11:54	RC/JU	Ok
5	SSTDICC020	BF143480.D	20 Aug 2025 12:23	RC/JU	Ok
6	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	RC/JU	Ok
7	SSTDICC050	BF143482.D	20 Aug 2025 13:22	RC/JU	Ok
8	SSTDICC060	BF143483.D	20 Aug 2025 13:51	RC/JU	Ok
9	SSTDICC080	BF143484.D	20 Aug 2025 14:20	RC/JU	Ok
10	SSTDICV040	BF143485.D	20 Aug 2025 15:16	RC/JU	Ok
11	PB169299BL	BF143486.D	20 Aug 2025 15:46	RC/JU	Ok
12	PB169299BS	BF143487.D	20 Aug 2025 16:15	RC/JU	Not Ok
13	PB169313BS	BF143488.D	20 Aug 2025 16:44	RC/JU	Not Ok
14	PB169313BSD	BF143489.D	20 Aug 2025 17:13	RC/JU	Not Ok
15	Q2892-12	BF143490.D	20 Aug 2025 17:43	RC/JU	Ok
16	Q2892-10	BF143491.D	20 Aug 2025 18:12	RC/JU	Ok
17	Q2892-10MS	BF143492.D	20 Aug 2025 18:41	RC/JU	Ok,M
18	Q2892-10MSD	BF143493.D	20 Aug 2025 19:10	RC/JU	Ok,M
19	Q2900-06	BF143494.D	20 Aug 2025 19:39	RC/JU	Ok
20	Q2900-07	BF143495.D	20 Aug 2025 20:08	RC/JU	Ok
21	Q2900-04	BF143496.D	20 Aug 2025 20:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM				
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM				
SubDirectory	BF082025	HP Acquire Method	BNA_F		HP Processing Method	bf082025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	DFTPP	BF143497.D	20 Aug 2025 21:36	RC/JU	Ok
23	SSTDCCC040	BF143498.D	20 Aug 2025 22:05	RC/JU	Ok
24	PB169313BL	BF143499.D	20 Aug 2025 22:34	RC/JU	Not Ok
25	PB169223BS	BF143500.D	20 Aug 2025 23:03	RC/JU	Ok,M
26	PB169223BSD	BF143501.D	20 Aug 2025 23:32	RC/JU	Ok,M
27	Q2815-12	BF143502.D	21 Aug 2025 00:00	RC/JU	Ok
28	Q2900-01	BF143503.D	21 Aug 2025 00:29	RC/JU	Ok
29	Q2819-20	BF143504.D	21 Aug 2025 00:58	RC/JU	Ok
30	Q2819-14	BF143505.D	21 Aug 2025 01:27	RC/JU	Ok
31	Q2819-15	BF143506.D	21 Aug 2025 01:56	RC/JU	Ok
32	Q2819-18	BF143507.D	21 Aug 2025 02:25	RC/JU	Ok
33	Q2819-19	BF143508.D	21 Aug 2025 02:54	RC/JU	Ok
34	Q2892-06	BF143509.D	21 Aug 2025 03:23	RC/JU	Ok
35	Q2892-08	BF143510.D	21 Aug 2025 03:52	RC/JU	Ok
36	Q2900-02	BF143511.D	21 Aug 2025 04:21	RC/JU	Dilution
37	Q2900-03	BF143512.D	21 Aug 2025 04:49	RC/JU	Dilution
38	Q2900-05	BF143513.D	21 Aug 2025 05:18	RC/JU	Dilution
39	Q2815-11	BF143514.D	21 Aug 2025 05:47	RC/JU	Ok
40	Q2815-08	BF143515.D	21 Aug 2025 06:15	RC/JU	Ok
41	SSTDCCC040	BF143516.D	21 Aug 2025 06:44	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM				
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM				
SubDirectory	BF082125	HP Acquire Method	BNA_F		HP Processing Method	bf082025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143517.D	21 Aug 2025 08:20	RC/JU	Ok
2	SSTDCCC040	BF143518.D	21 Aug 2025 09:21	RC/JU	Ok
3	PB169299BL	BF143519.D	21 Aug 2025 09:50	RC/JU	Ok
4	Q2820-24	BF143520.D	21 Aug 2025 10:20	RC/JU	Ok
5	Q2820-12	BF143521.D	21 Aug 2025 10:49	RC/JU	Ok
6	Q2900-02DL	BF143522.D	21 Aug 2025 11:18	RC/JU	Dilution
7	Q2900-03DL	BF143523.D	21 Aug 2025 11:47	RC/JU	Dilution
8	Q2900-05DL	BF143524.D	21 Aug 2025 12:17	RC/JU	Dilution
9	Q2819-07	BF143525.D	21 Aug 2025 12:46	RC/JU	Ok,M
10	Q2819-08	BF143526.D	21 Aug 2025 13:15	RC/JU	Ok,M
11	Q2900-02DL2	BF143527.D	21 Aug 2025 13:44	RC/JU	Ok
12	Q2900-03DL2	BF143528.D	21 Aug 2025 14:13	RC/JU	Ok
13	Q2900-05DL2	BF143529.D	21 Aug 2025 14:42	RC/JU	Ok
14	Q2819-10RE	BF143530.D	21 Aug 2025 15:11	RC/JU	Confirms
15	Q2819-11	BF143531.D	21 Aug 2025 15:40	RC/JU	Ok,M
16	Q2819-06	BF143532.D	21 Aug 2025 16:09	RC/JU	Ok
17	Q2819-01	BF143533.D	21 Aug 2025 16:38	RC/JU	Ok,M
18	Q2814-07	BF143534.D	21 Aug 2025 17:07	RC/JU	Ok
19	Q2815-15	BF143535.D	21 Aug 2025 17:36	RC/JU	Ok
20	Q2814-19	BF143536.D	21 Aug 2025 18:05	RC/JU	Ok
21	Q2819-13	BF143537.D	21 Aug 2025 18:34	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM				
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM				
SubDirectory	BF082125	HP Acquire Method	BNA_F		HP Processing Method	bf082025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2819-04RE	BF143538.D	21 Aug 2025 19:03	RC/JU	Confirms
23	SSTDCCC040	BF143539.D	21 Aug 2025 19:32	RC/JU	Ok
24	DFTPP	BF143540.D	21 Aug 2025 20:02	RC/JU	Ok
25	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	RC/JU	Ok
26	PB169330BL	BF143542.D	21 Aug 2025 21:58	RC/JU	Not Ok
27	PB169330BS	BF143543.D	21 Aug 2025 22:27	RC/JU	Not Ok
28	Q2903-01	BF143544.D	21 Aug 2025 22:56	RC/JU	ReRun
29	Q2903-02	BF143545.D	21 Aug 2025 23:25	RC/JU	ReRun
30	Q2903-03	BF143546.D	21 Aug 2025 23:54	RC/JU	ReRun
31	Q2903-04	BF143547.D	22 Aug 2025 00:23	RC/JU	ReRun
32	Q2903-05MS	BF143548.D	22 Aug 2025 00:52	RC/JU	Not Ok
33	Q2903-06MSD	BF143549.D	22 Aug 2025 01:21	RC/JU	Not Ok
34	Q2903-07	BF143550.D	22 Aug 2025 01:51	RC/JU	ReRun
35	Q2903-08	BF143551.D	22 Aug 2025 02:19	RC/JU	ReRun
36	Q2903-09	BF143552.D	22 Aug 2025 02:49	RC/JU	ReRun
37	Q2903-10	BF143553.D	22 Aug 2025 03:18	RC/JU	ReRun
38	Q2903-11	BF143554.D	22 Aug 2025 03:46	RC/JU	Dilution
39	Q2903-12	BF143555.D	22 Aug 2025 04:16	RC/JU	ReRun
40	Q2915-01	BF143556.D	22 Aug 2025 04:45	RC/JU	ReRun
41	Q2915-01MS	BF143557.D	22 Aug 2025 05:14	RC/JU	Not Ok
42	Q2915-01MSD	BF143558.D	22 Aug 2025 05:43	RC/JU	Not Ok
43	Q2915-03	BF143559.D	22 Aug 2025 06:11	RC/JU	ReRun
44	Q2892-04	BF143560.D	22 Aug 2025 06:40	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM				
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM				
SubDirectory	BF082125	HP Acquire Method	BNA_F		HP Processing Method	bf082025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2892-02	BF143561.D	22 Aug 2025 07:09	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025297.D	05 Aug 2025 11:21	CG/JU	Ok
2	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03	CG/JU	Ok
3	SSTDICC005	BP025299.D	05 Aug 2025 12:44	CG/JU	Ok,M
4	SSTDICC010	BP025300.D	05 Aug 2025 13:25	CG/JU	Ok
5	SSTDICC020	BP025301.D	05 Aug 2025 14:06	CG/JU	Ok,M
6	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	CG/JU	Ok,M
7	SSTDICC050	BP025303.D	05 Aug 2025 15:28	CG/JU	Ok,M
8	SSTDICC060	BP025304.D	05 Aug 2025 16:10	CG/JU	Ok
9	SSTDICC080	BP025305.D	05 Aug 2025 16:51	CG/JU	Ok,M
10	SSTDICV040	BP025306.D	05 Aug 2025 17:32	CG/JU	Ok,M
11	PB169079TB	BP025307.D	05 Aug 2025 18:54	CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081325

Review By	Rahul	Review On	8/14/2025 10:15:11 AM		
Supervise By	Jagrut	Supervise On	8/14/2025 2:29:41 PM		
SubDirectory	BP081325	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025376.D	13 Aug 2025 09:10	CG/JU	Ok
2	SSTDCCC040	BP025377.D	13 Aug 2025 09:51	CG/JU	Ok,M
3	PB169210BL	BP025378.D	13 Aug 2025 10:32	CG/JU	Ok
4	PB169210BS	BP025379.D	13 Aug 2025 11:14	CG/JU	Not Ok
5	Q2820-02	BP025380.D	13 Aug 2025 11:59	CG/JU	Ok
6	Q2820-05	BP025381.D	13 Aug 2025 12:41	CG/JU	Ok,M
7	Q2820-06	BP025382.D	13 Aug 2025 13:22	CG/JU	Ok,M
8	Q2820-08	BP025383.D	13 Aug 2025 14:04	CG/JU	Ok
9	Q2820-09	BP025384.D	13 Aug 2025 14:46	CG/JU	Ok
10	Q2820-04	BP025385.D	13 Aug 2025 15:27	CG/JU	Ok
11	Q2820-01	BP025386.D	13 Aug 2025 16:09	CG/JU	ReRun
12	Q2820-03	BP025387.D	13 Aug 2025 16:50	CG/JU	Ok
13	Q2820-07	BP025388.D	13 Aug 2025 17:32	CG/JU	ReRun
14	SSTDCCC040	BP025389.D	13 Aug 2025 18:13	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025421.D	15 Aug 2025 09:55	CG/JU	Ok
2	SSTDCCC040	BP025422.D	15 Aug 2025 10:36	CG/JU	Ok,M
3	PB169230BL	BP025423.D	15 Aug 2025 11:17	CG/JU	Ok
4	PB169230BS	BP025424.D	15 Aug 2025 11:59	CG/JU	Ok,M
5	PB169230BSD	BP025425.D	15 Aug 2025 13:26	CG/JU	Ok
6	Q2814-05RE	BP025426.D	15 Aug 2025 14:08	CG/JU	Confirms
7	Q2814-20	BP025427.D	15 Aug 2025 14:49	CG/JU	Ok
8	Q2814-11	BP025428.D	15 Aug 2025 15:31	CG/JU	Not Ok
9	Q2814-17	BP025429.D	15 Aug 2025 16:12	CG/JU	Ok
10	Q2814-18	BP025430.D	15 Aug 2025 16:54	CG/JU	ReRun
11	Q2827-05DL	BP025431.D	15 Aug 2025 17:35	CG/JU	Ok,M
12	Q2820-07RE	BP025432.D	15 Aug 2025 18:17	CG/JU	Confirms
13	Q2820-01RE	BP025433.D	15 Aug 2025 18:58	CG/JU	Confirms
14	Q2820-21RE	BP025434.D	15 Aug 2025 19:40	CG/JU	Confirms
15	Q2820-22RE	BP025435.D	15 Aug 2025 20:21	CG/JU	Confirms
16	SSTDCCC040	BP025436.D	15 Aug 2025 21:03	CG/JU	Ok,M
17	DFTPP	BP025437.D	15 Aug 2025 23:08	CG/JU	Ok
18	SSTDCCC040	BP025438.D	15 Aug 2025 23:49	CG/JU	Ok,M
19	PB169275BL	BP025439.D	16 Aug 2025 00:31	CG/JU	Ok
20	PB169275BS	BP025440.D	16 Aug 2025 01:13	CG/JU	Ok,M
21	Q2732-03	BP025441.D	16 Aug 2025 01:55	CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2836-03	BP025442.D	16 Aug 2025 02:37	CG/JU	Ok
23	Q2836-07	BP025443.D	16 Aug 2025 03:19	CG/JU	Ok
24	Q2836-11	BP025444.D	16 Aug 2025 04:00	CG/JU	Ok
25	Q2836-15	BP025445.D	16 Aug 2025 04:41	CG/JU	Ok
26	Q2838-04	BP025446.D	16 Aug 2025 05:22	CG/JU	Ok
27	Q2838-08	BP025447.D	16 Aug 2025 06:04	CG/JU	Ok
28	Q2832-02	BP025448.D	16 Aug 2025 06:45	CG/JU	Ok
29	Q2832-02MS	BP025449.D	16 Aug 2025 07:26	CG/JU	Ok,M
30	Q2832-02MSD	BP025450.D	16 Aug 2025 08:07	CG/JU	Ok,M
31	Q2832-04	BP025451.D	16 Aug 2025 08:48	CG/JU	Ok
32	Q2832-06	BP025452.D	16 Aug 2025 09:29	CG/JU	Ok
33	Q2832-08	BP025453.D	16 Aug 2025 10:11	CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM				
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM				
SubDirectory	BP081925	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025469.D	19 Aug 2025 10:03	CG/JU	Ok
2	SSTDCCC040	BP025470.D	19 Aug 2025 10:44	CG/JU	Ok
3	PB169244BL	BP025471.D	19 Aug 2025 11:25	CG/JU	Ok
4	PB169244BS	BP025472.D	19 Aug 2025 12:06	CG/JU	Ok,M
5	PB169244BSD	BP025473.D	19 Aug 2025 12:47	CG/JU	Ok,M
6	Q2815-18	BP025474.D	19 Aug 2025 13:29	CG/JU	Ok
7	Q2815-19	BP025475.D	19 Aug 2025 14:10	CG/JU	Ok
8	Q2815-20	BP025476.D	19 Aug 2025 14:51	CG/JU	Ok
9	Q2815-21	BP025477.D	19 Aug 2025 15:32	CG/JU	Ok
10	Q2815-22	BP025478.D	19 Aug 2025 16:13	CG/JU	Ok
11	Q2815-23	BP025479.D	19 Aug 2025 16:55	CG/JU	Ok
12	Q2815-26	BP025480.D	19 Aug 2025 17:36	CG/JU	Ok
13	Q2820-19RE	BP025481.D	19 Aug 2025 18:17	CG/JU	Confirms
14	Q2820-20RE	BP025482.D	19 Aug 2025 18:58	CG/JU	Confirms
15	Q2815-13	BP025483.D	19 Aug 2025 19:39	CG/JU	Ok
16	Q2815-14	BP025484.D	19 Aug 2025 20:21	CG/JU	Ok
17	SSTDCCC040	BP025485.D	19 Aug 2025 21:43	CG/JU	Ok
18	DFTPP	BP025486.D	19 Aug 2025 23:05	CG/JU	Ok
19	SSTDCCC040	BP025487.D	19 Aug 2025 23:46	CG/JU	Ok,M
20	PB169242BL	BP025488.D	20 Aug 2025 00:27	CG/JU	Ok
21	PB169242BS	BP025489.D	20 Aug 2025 01:07	CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM				
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM				
SubDirectory	BP081925	HP Acquire Method	BNA_P		HP Processing Method	bp081425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2870-04	BP025490.D	20 Aug 2025 01:48	CG/JU	Ok
23	Q2871-01	BP025491.D	20 Aug 2025 02:29	CG/JU	Ok
24	Q2870-01	BP025492.D	20 Aug 2025 03:10	CG/JU	Ok
25	Q2871-04	BP025493.D	20 Aug 2025 03:51	CG/JU	Ok
26	Q2871-07	BP025494.D	20 Aug 2025 04:32	CG/JU	Ok
27	Q2873-04	BP025495.D	20 Aug 2025 05:13	CG/JU	Ok
28	Q2825-01	BP025496.D	20 Aug 2025 05:54	CG/JU	Ok
29	Q2872-01	BP025497.D	20 Aug 2025 06:35	CG/JU	Ok
30	Q2815-17	BP025498.D	20 Aug 2025 07:16	CG/JU	Ok
31	Q2815-16	BP025499.D	20 Aug 2025 07:57	CG/JU	Ok
32	Q2819-05	BP025500.D	20 Aug 2025 08:38	CG/JU	Ok
33	Q2820-13	BP025501.D	20 Aug 2025 09:19	CG/JU	Ok
34	SSTDCCC040	BP025502.D	20 Aug 2025 10:41	CG/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025503.D	20 Aug 2025 11:24	CG/JU	Ok
2	SSTDCCC040	BP025504.D	20 Aug 2025 12:05	CG/JU	Ok,M
3	PB169259BL	BP025505.D	20 Aug 2025 12:46	CG/JU	Not Ok
4	Q2888-01	BP025506.D	20 Aug 2025 13:30	CG/JU	Ok,M
5	Q2884-03	BP025507.D	20 Aug 2025 14:12	CG/JU	Ok
6	Q2884-01	BP025508.D	20 Aug 2025 14:53	CG/JU	Ok
7	Q2865-02	BP025509.D	20 Aug 2025 15:34	CG/JU	Ok,M
8	Q2889-01	BP025510.D	20 Aug 2025 16:15	CG/JU	Ok,M
9	DFTPP	BP025511.D	20 Aug 2025 17:04	CG/JU	Ok
10	SSTDCCC040	BP025512.D	20 Aug 2025 18:27	CG/JU	Ok
11	PB169259BL	BP025513.D	20 Aug 2025 19:08	CG/JU	Ok
12	PB169259BS	BP025514.D	20 Aug 2025 19:49	CG/JU	Ok
13	Q2819-03	BP025515.D	20 Aug 2025 20:30	CG/JU	Ok
14	Q2819-03MS	BP025516.D	20 Aug 2025 21:11	CG/JU	Ok,M
15	Q2819-03MSD	BP025517.D	20 Aug 2025 21:52	CG/JU	Ok,M
16	Q2819-09	BP025518.D	20 Aug 2025 22:32	CG/JU	Ok
17	Q2819-17	BP025519.D	20 Aug 2025 23:13	CG/JU	Ok
18	Q2819-17MS	BP025520.D	20 Aug 2025 23:54	CG/JU	Ok,M
19	Q2819-17MSD	BP025521.D	21 Aug 2025 00:35	CG/JU	Ok,M
20	Q2814-18RE	BP025522.D	21 Aug 2025 01:15	CG/JU	Confirms
21	Q2820-23	BP025523.D	21 Aug 2025 01:56	CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2819-02	BP025524.D	21 Aug 2025 02:37	CG/JU	Ok
23	Q2815-10	BP025525.D	21 Aug 2025 03:18	CG/JU	Ok
24	SSTDCCC040	BP025526.D	21 Aug 2025 03:59	CG/JU	Ok
25	DFTPP	BP025527.D	21 Aug 2025 06:01	CG/JU	Ok
26	SSTDCCC040	BP025528.D	21 Aug 2025 06:42	CG/JU	Ok
27	PB169285BL	BP025529.D	21 Aug 2025 07:23	CG/JU	Ok
28	PB169285BS	BP025530.D	21 Aug 2025 08:03	CG/JU	Ok,M
29	Q2873-01	BP025531.D	21 Aug 2025 08:44	CG/JU	Ok
30	Q2873-01MS	BP025532.D	21 Aug 2025 09:25	CG/JU	Ok,M
31	Q2873-01MSD	BP025533.D	21 Aug 2025 10:06	CG/JU	Ok,M
32	Q2819-10	BP025534.D	21 Aug 2025 10:50	CG/JU	ReRun
33	Q2819-11	BP025535.D	21 Aug 2025 11:31	CG/JU	ReRun
34	Q2819-12	BP025536.D	21 Aug 2025 12:12	CG/JU	Ok
35	Q2832-09	BP025537.D	21 Aug 2025 12:53	CG/JU	Ok
36	Q2897-01	BP025538.D	21 Aug 2025 13:34	CG/JU	Ok,M
37	Q2819-04	BP025539.D	21 Aug 2025 14:15	CG/JU	ReRun
38	Q2819-16	BP025540.D	21 Aug 2025 14:56	CG/JU	Ok
39	Q2820-15	BP025541.D	21 Aug 2025 15:37	CG/JU	Ok
40	SSTDCCC040	BP025542.D	21 Aug 2025 17:11	CG/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143342.D	12 Aug 2025 08:34		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143344.D	12 Aug 2025 09:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143345.D	12 Aug 2025 10:04		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143346.D	12 Aug 2025 10:35		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143348.D	12 Aug 2025 11:37	Compound #32,54 kept on QR	RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143349.D	12 Aug 2025 12:07		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143350.D	12 Aug 2025 12:38	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF081225	BF143351.D	12 Aug 2025 13:52		RC/JU	Ok
11	PB169189BL	PB169189BL	BF143352.D	12 Aug 2025 14:22		RC/JU	Ok
12	PB169189BS	PB169189BS	BF143353.D	12 Aug 2025 14:53	Compound#44,51,59,62,74 failing high	RC/JU	Ok,M
13	Q2807-02	COMP-5	BF143354.D	12 Aug 2025 15:33		RC/JU	Ok,M
14	Q2807-01	COMP-4	BF143355.D	12 Aug 2025 16:02		RC/JU	Ok
15	Q2807-03	COMP-6	BF143356.D	12 Aug 2025 16:32		RC/JU	Ok,M
16	Q2807-03MS	COMP-6MS	BF143357.D	12 Aug 2025 17:02		RC/JU	Ok
17	Q2807-03MSD	COMP-6MSD	BF143358.D	12 Aug 2025 17:32		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2830-07	BIN0009-DRIVEWAY-T	BF143359.D	12 Aug 2025 18:02		RC/JU	Ok
19	Q2830-01	BIN0009-DRIVEWAY-T	BF143360.D	12 Aug 2025 18:32		RC/JU	Ok
20	Q2830-03	BIN0009-DRIVEWAY-T	BF143361.D	12 Aug 2025 19:02		RC/JU	Ok
21	Q2830-05	BIN0009-DRIVEWAY-T	BF143362.D	12 Aug 2025 19:32		RC/JU	Ok
22	Q2831-01	VNJ-238	BF143363.D	12 Aug 2025 20:02		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081325

Review By	Rahul	Review On	8/14/2025 10:13:42 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 12:47:02 PM		
SubDirectory	BF081325	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143364.D	13 Aug 2025 08:59		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143365.D	13 Aug 2025 10:00		RC/JU	Ok
3	PB169210BL	PB169210BL	BF143366.D	13 Aug 2025 10:30		RC/JU	Ok
4	Q2830-05MS	BIN0009-DRIVEWAY-T	BF143367.D	13 Aug 2025 11:12		RC/JU	Ok,M
5	Q2830-05MSD	BIN0009-DRIVEWAY-T	BF143368.D	13 Aug 2025 11:42		RC/JU	Ok,M
6	Q2808-04	TP-7	BF143369.D	13 Aug 2025 12:12		RC/JU	Ok
7	Q2808-04MS	TP-7MS	BF143370.D	13 Aug 2025 12:42		RC/JU	Ok,M
8	Q2808-04MSD	TP-7MSD	BF143371.D	13 Aug 2025 13:12		RC/JU	Ok,M
9	Q2827-04	TP-8	BF143372.D	13 Aug 2025 13:42		RC/JU	Ok
10	Q2827-08	TP-9	BF143373.D	13 Aug 2025 14:11		RC/JU	Ok,M
11	Q2831-03	VNJ-238	BF143374.D	13 Aug 2025 14:42		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143375.D	13 Aug 2025 15:41		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143476.D	20 Aug 2025 10:26		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143477.D	20 Aug 2025 10:55		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143478.D	20 Aug 2025 11:25		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143479.D	20 Aug 2025 11:54		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF143480.D	20 Aug 2025 12:23	compounds #32,41,54 kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143481.D	20 Aug 2025 12:53	Benzidine failed in the Calibration Method.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143482.D	20 Aug 2025 13:22		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143483.D	20 Aug 2025 13:51		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143484.D	20 Aug 2025 14:20	Compound #9 revoved from 80PPM	RC/JU	Ok
10	SSTDICV040	ICVBF082025	BF143485.D	20 Aug 2025 15:16		RC/JU	Ok
11	PB169299BL	PB169299BL	BF143486.D	20 Aug 2025 15:46		RC/JU	Ok
12	PB169299BS	PB169299BS	BF143487.D	20 Aug 2025 16:15	Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
13	PB169313BS	PB169313BS	BF143488.D	20 Aug 2025 16:44	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
14	PB169313BSD	PB169313BSD	BF143489.D	20 Aug 2025 17:13	Benzidine failed in the Calibration Method. ,Recovery is low for compound #3,3-Dichlorobenzidine	RC/JU	Not Ok
15	Q2892-12	FRONT-1-FLOOR-F	BF143490.D	20 Aug 2025 17:43		RC/JU	Ok
16	Q2892-10	3-FLOOR-SOUTH-E	BF143491.D	20 Aug 2025 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q2892-10MS	3-FLOOR-SOUTH-EMS	BF143492.D	20 Aug 2025 18:41		RC/JU	Ok,M
18	Q2892-10MSD	3-FLOOR-SOUTH-EMS	BF143493.D	20 Aug 2025 19:10		RC/JU	Ok,M
19	Q2900-06	MW-17C-081825	BF143494.D	20 Aug 2025 19:39		RC/JU	Ok
20	Q2900-07	MW-11B-081825	BF143495.D	20 Aug 2025 20:08		RC/JU	Ok
21	Q2900-04	MW-17B-081825	BF143496.D	20 Aug 2025 20:37		RC/JU	Ok
22	DFTPP	DFTPP	BF143497.D	20 Aug 2025 21:36		RC/JU	Ok
23	SSTDCCC040	SSTDCCC040	BF143498.D	20 Aug 2025 22:05		RC/JU	Ok
24	PB169313BL	PB169313BL	BF143499.D	20 Aug 2025 22:34	Benzidine failed in the Calibration Method.	RC/JU	Not Ok
25	PB169223BS	PB169223BS	BF143500.D	20 Aug 2025 23:03		RC/JU	Ok,M
26	PB169223BSD	PB169223BSD	BF143501.D	20 Aug 2025 23:32		RC/JU	Ok,M
27	Q2815-12	TW-22M-S	BF143502.D	21 Aug 2025 00:00		RC/JU	Ok
28	Q2900-01	MN-9C-081825	BF143503.D	21 Aug 2025 00:29		RC/JU	Ok
29	Q2819-20	82H-E	BF143504.D	21 Aug 2025 00:58		RC/JU	Ok
30	Q2819-14	17M-W	BF143505.D	21 Aug 2025 01:27		RC/JU	Ok
31	Q2819-15	17M-N	BF143506.D	21 Aug 2025 01:56		RC/JU	Ok
32	Q2819-18	38M-W	BF143507.D	21 Aug 2025 02:25		RC/JU	Ok
33	Q2819-19	38M-E	BF143508.D	21 Aug 2025 02:54		RC/JU	Ok
34	Q2892-06	BACK-1-FLOOR-CENT	BF143509.D	21 Aug 2025 03:23		RC/JU	Ok
35	Q2892-08	3-FLOOR-NORTH-D	BF143510.D	21 Aug 2025 03:52		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082025

Review By	Rahul	Review On	8/21/2025 8:38:24 AM		
Supervise By	Jagrut	Supervise On	8/21/2025 11:02:57 AM		
SubDirectory	BF082025	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q2900-02	MN-12C-081825	BF143511.D	21 Aug 2025 04:21	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
37	Q2900-03	DUP-01-081825	BF143512.D	21 Aug 2025 04:49	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
38	Q2900-05	MW-11C-081825	BF143513.D	21 Aug 2025 05:18	Internal standard fail and need 20X then decide further dilution.	RC/JU	Dilution
39	Q2815-11	TW-22M-W	BF143514.D	21 Aug 2025 05:47		RC/JU	Ok
40	Q2815-08	TW-88H-N	BF143515.D	21 Aug 2025 06:15		RC/JU	Ok
41	SSTDCCC040	SSTDCCC040EC	BF143516.D	21 Aug 2025 06:44		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143517.D	21 Aug 2025 08:20		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143518.D	21 Aug 2025 09:21		RC/JU	Ok
3	PB169299BL	PB169299BL	BF143519.D	21 Aug 2025 09:50		RC/JU	Ok
4	Q2820-24	22M-S	BF143520.D	21 Aug 2025 10:20		RC/JU	Ok
5	Q2820-12	10PC-S	BF143521.D	21 Aug 2025 10:49		RC/JU	Ok
6	Q2900-02DL	MN-12C-081825DL	BF143522.D	21 Aug 2025 11:18	Need 5X further Dilution	RC/JU	Dilution
7	Q2900-03DL	DUP-01-081825DL	BF143523.D	21 Aug 2025 11:47	Need 5X further Dilution	RC/JU	Dilution
8	Q2900-05DL	MW-11C-081825DL	BF143524.D	21 Aug 2025 12:17	Need 2X further Dilution	RC/JU	Dilution
9	Q2819-07	11M-N	BF143525.D	21 Aug 2025 12:46		RC/JU	Ok,M
10	Q2819-08	11M-E	BF143526.D	21 Aug 2025 13:15		RC/JU	Ok,M
11	Q2900-02DL2	MN-12C-081825DL2	BF143527.D	21 Aug 2025 13:44		RC/JU	Ok
12	Q2900-03DL2	DUP-01-081825DL2	BF143528.D	21 Aug 2025 14:13		RC/JU	Ok
13	Q2900-05DL2	MW-11C-081825DL2	BF143529.D	21 Aug 2025 14:42		RC/JU	Ok
14	Q2819-10RE	84SB-SRE	BF143530.D	21 Aug 2025 15:11	Surrogate Fail	RC/JU	Confirms
15	Q2819-11	84SB-W	BF143531.D	21 Aug 2025 15:40		RC/JU	Ok,M
16	Q2819-06	11M-S	BF143532.D	21 Aug 2025 16:09		RC/JU	Ok
17	Q2819-01	22BP-N	BF143533.D	21 Aug 2025 16:38		RC/JU	Ok,M
18	Q2814-07	TW-82H-W	BF143534.D	21 Aug 2025 17:07		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2815-15	TW-17M-E	BF143535.D	21 Aug 2025 17:36		RC/JU	Ok
20	Q2814-19	TW-518R-E	BF143536.D	21 Aug 2025 18:05		RC/JU	Ok
21	Q2819-13	17M-E	BF143537.D	21 Aug 2025 18:34		RC/JU	Ok
22	Q2819-04RE	22BP-SRE	BF143538.D	21 Aug 2025 19:03	Surrogate fail.	RC/JU	Confirms
23	SSTDCCC040	SSTDCCC040EC	BF143539.D	21 Aug 2025 19:32	CCC fail for comp#70 from high side	RC/JU	Ok
24	DFTPP	DFTPP	BF143540.D	21 Aug 2025 20:02		RC/JU	Ok
25	SSTDCCC040	SSTDCCC040	BF143541.D	21 Aug 2025 21:00	CCC fail high for compound#9,69,70,74 & CCC fail low for compound # 78,79,87,91,92.	RC/JU	Ok
26	PB169330BL	PB169330BL	BF143542.D	21 Aug 2025 21:58	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
27	PB169330BS	PB169330BS	BF143543.D	21 Aug 2025 22:27	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	Q2903-01	MW-6A-081925	BF143544.D	21 Aug 2025 22:56	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
29	Q2903-02	MW-1C-081925	BF143545.D	21 Aug 2025 23:25	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2903-03	MW-6B-081925	BF143546.D	21 Aug 2025 23:54	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2903-04	MW-1B-081925	BF143547.D	22 Aug 2025 00:23	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2903-05MS	MW-6B-081925MS	BF143548.D	22 Aug 2025 00:52	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
33	Q2903-06MSD	MW-6B-081925MSD	BF143549.D	22 Aug 2025 01:21	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
34	Q2903-07	MW-12B-081925	BF143550.D	22 Aug 2025 01:51	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082125

Review By	Rahul	Review On	8/22/2025 8:18:48 AM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:40 AM		
SubDirectory	BF082125	HP Acquire Method	BNA_F	HP Processing Method	bf082025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	Q2903-08	MW-18B-081925	BF143551.D	22 Aug 2025 02:19	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2903-09	DUP-02-081925	BF143552.D	22 Aug 2025 02:49	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2903-10	MW-17A-081925	BF143553.D	22 Aug 2025 03:18	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2903-11	MW-18A-081925	BF143554.D	22 Aug 2025 03:46	CCC fail low for compound # 78,87,91,92.Need 2X Dilution	RC/JU	Dilution
39	Q2903-12	MW-16B-081925	BF143555.D	22 Aug 2025 04:16	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2915-01	BRIDGE-WEST	BF143556.D	22 Aug 2025 04:45	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2915-01MS	BRIDGE-WESTMS	BF143557.D	22 Aug 2025 05:14	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2915-01MSD	BRIDGE-WESTMSD	BF143558.D	22 Aug 2025 05:43	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2915-03	BRIDGE-EAST	BF143559.D	22 Aug 2025 06:11	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
44	Q2892-04	1-FLOOR-DRILL-B-BA	BF143560.D	22 Aug 2025 06:40	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
45	Q2892-02	1-FLOOR-NORTH-EAS	BF143561.D	22 Aug 2025 07:09	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP080525

Review By	Rahul	Review On	8/6/2025 10:18:45 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:58:08 AM		
SubDirectory	BP080525	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13169,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025297.D	05 Aug 2025 11:21		CG/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP025298.D	05 Aug 2025 12:03		CG/JU	Ok
3	SSTDICC005	SSTDICC005	BP025299.D	05 Aug 2025 12:44		CG/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP025300.D	05 Aug 2025 13:25		CG/JU	Ok
5	SSTDICC020	SSTDICC020	BP025301.D	05 Aug 2025 14:06		CG/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP025302.D	05 Aug 2025 14:47	Compound #26,48,57 kept on LR & Compound #32,54,65 kept on QR	CG/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP025303.D	05 Aug 2025 15:28		CG/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP025304.D	05 Aug 2025 16:10		CG/JU	Ok
9	SSTDICC080	SSTDICC080	BP025305.D	05 Aug 2025 16:51		CG/JU	Ok,M
10	SSTDICV040	ICVBP080525	BP025306.D	05 Aug 2025 17:32		CG/JU	Ok,M
11	PB169079TB	PB169079TB	BP025307.D	05 Aug 2025 18:54		CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081325

Review By	Rahul	Review On	8/14/2025 10:15:11 AM		
Supervise By	Jagrut	Supervise On	8/14/2025 2:29:41 PM		
SubDirectory	BP081325	HP Acquire Method	BNA_P	HP Processing Method	bp080525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025376.D	13 Aug 2025 09:10		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025377.D	13 Aug 2025 09:51		CG/JU	Ok,M
3	PB169210BL	PB169210BL	BP025378.D	13 Aug 2025 10:32		CG/JU	Ok
4	PB169210BS	PB169210BS	BP025379.D	13 Aug 2025 11:14	1,4-Dioxane recovery low for DOD	CG/JU	Not Ok
5	Q2820-02	82H-W	BP025380.D	13 Aug 2025 11:59		CG/JU	Ok
6	Q2820-05	518R-E	BP025381.D	13 Aug 2025 12:41		CG/JU	Ok,M
7	Q2820-06	518R-N	BP025382.D	13 Aug 2025 13:22		CG/JU	Ok,M
8	Q2820-08	518R-W	BP025383.D	13 Aug 2025 14:04		CG/JU	Ok
9	Q2820-09	705R-S	BP025384.D	13 Aug 2025 14:46		CG/JU	Ok
10	Q2820-04	SOIL-DUP-1	BP025385.D	13 Aug 2025 15:27		CG/JU	Ok
11	Q2820-01	82H-S	BP025386.D	13 Aug 2025 16:09	Surrogate Fail	CG/JU	ReRun
12	Q2820-03	82H-N	BP025387.D	13 Aug 2025 16:50		CG/JU	Ok
13	Q2820-07	518R-S	BP025388.D	13 Aug 2025 17:32	Surrogate Fail	CG/JU	ReRun
14	SSTDCCC040	SSTDCCC040EC	BP025389.D	13 Aug 2025 18:13		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025421.D	15 Aug 2025 09:55		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025422.D	15 Aug 2025 10:36		CG/JU	Ok,M
3	PB169230BL	PB169230BL	BP025423.D	15 Aug 2025 11:17		CG/JU	Ok
4	PB169230BS	PB169230BS	BP025424.D	15 Aug 2025 11:59		CG/JU	Ok,M
5	PB169230BSD	PB169230BSD	BP025425.D	15 Aug 2025 13:26		CG/JU	Ok
6	Q2814-05RE	TW-82H-ERE	BP025426.D	15 Aug 2025 14:08	Surrogate Fail	CG/JU	Confirms
7	Q2814-20	TW-518R-W	BP025427.D	15 Aug 2025 14:49		CG/JU	Ok
8	Q2814-11	TW-38M-S	BP025428.D	15 Aug 2025 15:31	Already analyzed with ok status	CG/JU	Not Ok
9	Q2814-17	TW-518R-S	BP025429.D	15 Aug 2025 16:12		CG/JU	Ok
10	Q2814-18	TW-518R-N	BP025430.D	15 Aug 2025 16:54	Surrogate Fail	CG/JU	ReRun
11	Q2827-05DL	TP-9DL	BP025431.D	15 Aug 2025 17:35		CG/JU	Ok,M
12	Q2820-07RE	518R-SRE	BP025432.D	15 Aug 2025 18:17	Surrogate Fail	CG/JU	Confirms
13	Q2820-01RE	82H-SRE	BP025433.D	15 Aug 2025 18:58	Surrogate Fail	CG/JU	Confirms
14	Q2820-21RE	22M-NRE	BP025434.D	15 Aug 2025 19:40	Surrogate Fail	CG/JU	Confirms
15	Q2820-22RE	22M-WRE	BP025435.D	15 Aug 2025 20:21	Surrogate Fail	CG/JU	Confirms
16	SSTDCCC040	SSTDCCC040EC	BP025436.D	15 Aug 2025 21:03		CG/JU	Ok,M
17	DFTPP	DFTPP	BP025437.D	15 Aug 2025 23:08		CG/JU	Ok
18	SSTDCCC040	SSTDCCC040	BP025438.D	15 Aug 2025 23:49		CG/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081525

Review By	Rahul	Review On	8/18/2025 8:39:39 AM		
Supervise By	Jagrut	Supervise On	8/18/2025 8:42:55 AM		
SubDirectory	BP081525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB169275BL	PB169275BL	BP025439.D	16 Aug 2025 00:31		CG/JU	Ok
20	PB169275BS	PB169275BS	BP025440.D	16 Aug 2025 01:13		CG/JU	Ok,M
21	Q2732-03	WC-A7-01-C	BP025441.D	16 Aug 2025 01:55		CG/JU	Ok
22	Q2836-03	WC-A2-15-C	BP025442.D	16 Aug 2025 02:37		CG/JU	Ok
23	Q2836-07	WC-A2-16-C	BP025443.D	16 Aug 2025 03:19		CG/JU	Ok
24	Q2836-11	WC-A2-17-C	BP025444.D	16 Aug 2025 04:00		CG/JU	Ok
25	Q2836-15	WC-A5-02-C	BP025445.D	16 Aug 2025 04:41		CG/JU	Ok
26	Q2838-04	TP-11	BP025446.D	16 Aug 2025 05:22		CG/JU	Ok
27	Q2838-08	TP-10	BP025447.D	16 Aug 2025 06:04		CG/JU	Ok
28	Q2832-02	TG-S01	BP025448.D	16 Aug 2025 06:45		CG/JU	Ok
29	Q2832-02MS	TG-S01MS	BP025449.D	16 Aug 2025 07:26		CG/JU	Ok,M
30	Q2832-02MSD	TG-S01MSD	BP025450.D	16 Aug 2025 08:07		CG/JU	Ok,M
31	Q2832-04	TG-S02	BP025451.D	16 Aug 2025 08:48		CG/JU	Ok
32	Q2832-06	TG-S03	BP025452.D	16 Aug 2025 09:29		CG/JU	Ok
33	Q2832-08	TG-S04	BP025453.D	16 Aug 2025 10:11		CG/JU	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM		
SubDirectory	BP081925	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025469.D	19 Aug 2025 10:03		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025470.D	19 Aug 2025 10:44		CG/JU	Ok
3	PB169244BL	PB169244BL	BP025471.D	19 Aug 2025 11:25		CG/JU	Ok
4	PB169244BS	PB169244BS	BP025472.D	19 Aug 2025 12:06		CG/JU	Ok,M
5	PB169244BSD	PB169244BSD	BP025473.D	19 Aug 2025 12:47		CG/JU	Ok,M
6	Q2815-18	TW-84SB-W	BP025474.D	19 Aug 2025 13:29		CG/JU	Ok
7	Q2815-19	DUP	BP025475.D	19 Aug 2025 14:10		CG/JU	Ok
8	Q2815-20	TW-11M-W	BP025476.D	19 Aug 2025 14:51		CG/JU	Ok
9	Q2815-21	TW-11M-E	BP025477.D	19 Aug 2025 15:32		CG/JU	Ok
10	Q2815-22	TW-11M-S	BP025478.D	19 Aug 2025 16:13		CG/JU	Ok
11	Q2815-23	TW-11M-N	BP025479.D	19 Aug 2025 16:55		CG/JU	Ok
12	Q2815-26	FB	BP025480.D	19 Aug 2025 17:36		CG/JU	Ok
13	Q2820-19RE	88H-WRE	BP025481.D	19 Aug 2025 18:17	Surrogate fail,	CG/JU	Confirms
14	Q2820-20RE	88H-SRE	BP025482.D	19 Aug 2025 18:58	Surrogate fail.	CG/JU	Confirms
15	Q2815-13	TW-22M-E	BP025483.D	19 Aug 2025 19:39	Surrogates failed.	CG/JU	Ok
16	Q2815-14	TW-22M-N	BP025484.D	19 Aug 2025 20:21		CG/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BP025485.D	19 Aug 2025 21:43		CG/JU	Ok
18	DFTPP	DFTPP	BP025486.D	19 Aug 2025 23:05		CG/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081925

Review By	Rahul	Review On	8/20/2025 11:11:45 AM		
Supervise By	Jagrut	Supervise On	8/20/2025 12:07:50 PM		
SubDirectory	BP081925	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BP025487.D	19 Aug 2025 23:46		CG/JU	Ok,M
20	PB169242BL	PB169242BL	BP025488.D	20 Aug 2025 00:27		CG/JU	Ok
21	PB169242BS	PB169242BS	BP025489.D	20 Aug 2025 01:07		CG/JU	Ok
22	Q2870-04	DRILL CUTTING 6-9 C	BP025490.D	20 Aug 2025 01:48		CG/JU	Ok
23	Q2871-01	DRILL CUTTING 1-3 C	BP025491.D	20 Aug 2025 02:29		CG/JU	Ok
24	Q2870-01	DRILL CUTTING 1-5 C	BP025492.D	20 Aug 2025 03:10		CG/JU	Ok
25	Q2871-04	DRILL CUTTING 4-6 C	BP025493.D	20 Aug 2025 03:51		CG/JU	Ok
26	Q2871-07	DRILL CUTTING 1-5 C	BP025494.D	20 Aug 2025 04:32		CG/JU	Ok
27	Q2873-04	DRILL CUTTING 4-6 C	BP025495.D	20 Aug 2025 05:13		CG/JU	Ok
28	Q2825-01	TW1	BP025496.D	20 Aug 2025 05:54		CG/JU	Ok
29	Q2872-01	DRILL CUTTING 1-2 C	BP025497.D	20 Aug 2025 06:35		CG/JU	Ok
30	Q2815-17	TW-84SB-S	BP025498.D	20 Aug 2025 07:16		CG/JU	Ok
31	Q2815-16	TW-17M-S	BP025499.D	20 Aug 2025 07:57		CG/JU	Ok
32	Q2819-05	11M-W	BP025500.D	20 Aug 2025 08:38		CG/JU	Ok
33	Q2820-13	10P-W	BP025501.D	20 Aug 2025 09:19		CG/JU	Ok
34	SSTDCCC040	SSTDCCC040EC	BP025502.D	20 Aug 2025 10:41		CG/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025503.D	20 Aug 2025 11:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025504.D	20 Aug 2025 12:05		CG/JU	Ok,M
3	PB169259BL	PB169259BL	BP025505.D	20 Aug 2025 12:46	Analyzed for contamination check	CG/JU	Not Ok
4	Q2888-01	VNJ-210	BP025506.D	20 Aug 2025 13:30		CG/JU	Ok,M
5	Q2884-03	302	BP025507.D	20 Aug 2025 14:12		CG/JU	Ok
6	Q2884-01	VNJ-232	BP025508.D	20 Aug 2025 14:53		CG/JU	Ok
7	Q2865-02	ARS10-0047	BP025509.D	20 Aug 2025 15:34		CG/JU	Ok,M
8	Q2889-01	PL-02-081525	BP025510.D	20 Aug 2025 16:15		CG/JU	Ok,M
9	DFTPP	DFTPP	BP025511.D	20 Aug 2025 17:04		CG/JU	Ok
10	SSTDCCC040	SSTDCCC040	BP025512.D	20 Aug 2025 18:27		CG/JU	Ok
11	PB169259BL	PB169259BL	BP025513.D	20 Aug 2025 19:08		CG/JU	Ok
12	PB169259BS	PB169259BS	BP025514.D	20 Aug 2025 19:49		CG/JU	Ok
13	Q2819-03	22BP-W	BP025515.D	20 Aug 2025 20:30		CG/JU	Ok
14	Q2819-03MS	22BP-WMS	BP025516.D	20 Aug 2025 21:11		CG/JU	Ok,M
15	Q2819-03MSD	22BP-WMSD	BP025517.D	20 Aug 2025 21:52		CG/JU	Ok,M
16	Q2819-09	84SB-E	BP025518.D	20 Aug 2025 22:32		CG/JU	Ok
17	Q2819-17	38M-N	BP025519.D	20 Aug 2025 23:13		CG/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2819-17MS	38M-NMS	BP025520.D	20 Aug 2025 23:54		CG/JU	Ok,M
19	Q2819-17MSD	38M-NMSD	BP025521.D	21 Aug 2025 00:35		CG/JU	Ok,M
20	Q2814-18RE	TW-518R-NRE	BP025522.D	21 Aug 2025 01:15	Surrogate Fail	CG/JU	Confirms
21	Q2820-23	22M-E	BP025523.D	21 Aug 2025 01:56		CG/JU	Ok
22	Q2819-02	22BP-E	BP025524.D	21 Aug 2025 02:37		CG/JU	Ok
23	Q2815-10	TW-88H-S	BP025525.D	21 Aug 2025 03:18		CG/JU	Ok
24	SSTDCCC040	SSTDCCC040EC	BP025526.D	21 Aug 2025 03:59		CG/JU	Ok
25	DFTPP	DFTPP	BP025527.D	21 Aug 2025 06:01		CG/JU	Ok
26	SSTDCCC040	SSTDCCC040	BP025528.D	21 Aug 2025 06:42		CG/JU	Ok
27	PB169285BL	PB169285BL	BP025529.D	21 Aug 2025 07:23		CG/JU	Ok
28	PB169285BS	PB169285BS	BP025530.D	21 Aug 2025 08:03		CG/JU	Ok,M
29	Q2873-01	DRILL CUTTING 1-3 C	BP025531.D	21 Aug 2025 08:44		CG/JU	Ok
30	Q2873-01MS	DRILL CUTTING 1-3 C	BP025532.D	21 Aug 2025 09:25		CG/JU	Ok,M
31	Q2873-01MSD	DRILL CUTTING 1-3 C	BP025533.D	21 Aug 2025 10:06		CG/JU	Ok,M
32	Q2819-10	84SB-S	BP025534.D	21 Aug 2025 10:50	Surrogate Fail	CG/JU	ReRun
33	Q2819-11	84SB-W	BP025535.D	21 Aug 2025 11:31	Surrogate Fail	CG/JU	ReRun
34	Q2819-12	17M-S	BP025536.D	21 Aug 2025 12:12		CG/JU	Ok
35	Q2832-09	TG-S05	BP025537.D	21 Aug 2025 12:53		CG/JU	Ok
36	Q2897-01	HD-02-08182025	BP025538.D	21 Aug 2025 13:34		CG/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082025

Review By	Rahul	Review On	8/21/2025 3:04:18 PM		
Supervise By	mohammad	Supervise On	8/22/2025 8:27:03 AM		
SubDirectory	BP082025	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2819-04	22BP-S	BP025539.D	21 Aug 2025 14:15	Surrogate Fail	CG/JU	ReRun
38	Q2819-16	38M-S	BP025540.D	21 Aug 2025 14:56		CG/JU	Ok
39	Q2820-15	10P-S	BP025541.D	21 Aug 2025 15:37		CG/JU	Ok
40	SSTDCCC040	SSTDCCC040EC	BP025542.D	21 Aug 2025 17:11		CG/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2732-02	WC-A7-01-C	74	1.15	10.37	11.52	11.18	96.7	
Q2819-01	22BP-N	1	1.15	10.16	11.31	9.57	82.9	
Q2819-02	22BP-E	2	1.16	10.67	11.83	10.3	85.7	
Q2819-03	22BP-W	3	1.16	10.83	11.99	10.45	85.8	
Q2819-04	22BP-S	4	1.15	9.96	11.11	9.92	88.1	
Q2819-05	11M-W	5	1.14	10.45	11.59	10.7	91.5	
Q2819-06	11M-S	6	1.16	10.83	11.99	10.96	90.5	
Q2819-07	11M-N	7	1.16	10.81	11.97	9.37	75.9	
Q2819-08	11M-E	8	1.17	10.27	11.44	8.54	71.8	
Q2819-09	84SB-E	9	1.13	10.62	11.75	5.12	37.6	
Q2819-10	84SB-S	10	1.18	10.11	11.29	10.51	92.3	
Q2819-11	84SB-W	11	1.14	10.14	11.28	9.94	86.8	
Q2819-12	17M-S	12	1.19	10.66	11.85	11.15	93.4	
Q2819-13	17M-E	13	1.17	10.38	11.55	9.86	83.7	
Q2819-14	17M-W	14	1.15	10.46	11.61	10.1	85.6	
Q2819-15	17M-N	15	1.15	10.57	11.72	9.96	83.3	
Q2819-16	38M-S	16	1.15	10.77	11.92	11.1	92.4	
Q2819-17	38M-N	17	1.16	10.41	11.57	10.27	87.5	
Q2819-18	38M-W	18	1.14	10.66	11.8	10.34	86.3	
Q2819-19	38M-E	19	1.13	10.13	11.26	10.02	87.8	
Q2819-20	82H-E	20	1.17	10.64	11.81	9.38	77.2	
Q2820-01	82H-S	21	1.16	10.76	11.92	10.04	82.5	
Q2820-02	82H-W	22	1.15	11.21	12.36	10.51	83.5	
Q2820-03	82H-N	23	1.16	11.14	12.3	10.9	87.4	
Q2820-04	SOIL-DUP-1	24	1.16	10.83	11.99	10.56	86.8	
Q2820-05	518R-E	25	1.16	10.40	11.56	6.23	48.8	
Q2820-06	518R-N	26	1.18	10.55	11.73	9.35	77.4	
Q2820-07	518R-S	27	1.17	10.52	11.69	9.44	78.6	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2820-08	518R-W	28	1.13	10.80	11.93	10.74	89.0	
Q2820-09	705R-S	29	1.14	10.59	11.73	7.05	55.8	
Q2820-10	SOIL-DUP-2	30	1.15	10.87	12.02	6.41	48.4	
Q2820-11	10PC-W	31	1.11	10.25	11.36	10.58	92.4	
Q2820-12	10PC-S	32	1.19	10.52	11.71	10.88	92.1	
Q2820-13	10P-W	33	1.14	10.09	11.23	10.34	91.2	
Q2820-14	10P-E	34	1.19	10.37	11.56	9.62	81.3	
Q2820-15	10P-S	35	1.18	10.21	11.39	10.22	88.5	
Q2820-16	10P-N	36	1.11	10.09	11.2	9.81	86.2	
Q2820-17	88H-E	37	1.16	10.42	11.58	9.77	82.6	
Q2820-18	88H-N	38	1.16	10.90	12.06	10.57	86.3	
Q2820-19	88H-W	39	1.18	10.66	11.84	10.62	88.6	
Q2820-20	88H-S	40	1.18	10.12	11.3	9.74	84.6	
Q2820-21	22M-N	41	1.14	11.06	12.2	11.34	92.2	
Q2820-22	22M-W	42	1.17	10.90	12.07	6.94	52.9	
Q2820-23	22M-E	43	1.17	10.27	11.44	4.66	34.0	
Q2820-24	22M-S	44	1.13	10.68	11.81	10.63	89.0	
Q2832-01	TG-S01	45	1.15	10.46	11.61	10.92	93.4	
Q2832-03	TG-S02	46	1.18	10.41	11.59	10.97	94.0	
Q2832-05	TG-S03	47	1.15	10.50	11.65	11.00	93.8	
Q2832-07	TG-S04	48	1.17	10.58	11.75	11.02	93.1	
Q2832-09	TG-S05	49	1.15	10.40	11.55	10.6	90.9	
Q2836-02	WC-A2-15-C	75	1.18	10.38	11.56	9.67	81.8	
Q2836-06	WC-A2-16-C	76	1.19	10.43	11.62	10.66	90.8	
Q2836-10	WC-A2-17-C	77	1.19	10.48	11.67	10.96	93.2	
Q2836-14	WC-A5-02-C	78	1.19	10.17	11.36	8.8	74.8	
Q2838-01	TP-11	50	1.14	10.60	11.74	10.44	87.7	
Q2838-02	TP-11-EPH	51	1.14	10.85	11.99	9.57	77.7	

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 8/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 08/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 08/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % solids-oven

QC: LB136783

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2838-03	TP-11-VOC	52	1.19	11.24	12.43	9.97	78.1	
Q2838-05	TP-10	53	1.14	11.08	12.22	10.75	86.7	
Q2838-06	TP-10-EPH	54	1.18	10.42	11.6	7.63	61.9	
Q2838-07	TP-10-VOC	55	1.18	10.50	11.68	8.68	71.4	
Q2839-01	BC274436-1-1	56	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-02	BC274436-1-2	57	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-03	BC151973-1-1	58	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-04	BC151973-1-2	59	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-05	BC271336-1-1	60	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-06	BC271336-1-2	61	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-07	BC271242-1-1	62	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-08	BC271242-1-2	63	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-09	BC271242-2-1	64	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-10	BC271242-2-2	65	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-11	BC226751-1-1	66	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-12	BC226751-1-2	67	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-13	BC226751-2-1	68	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-14	BC226751-2-2	69	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-15	JEC773V-1-1	70	1.00	1.00	2.00	2.00	100.0	PILC
Q2839-16	JEC773V-1-2	71	1.00	1.00	2.00	2.00	100.0	PILC
Q2840-01	0804-SOIL	72	1.12	11.32	12.44	10.42	82.2	
Q2840-02	0804-D	73	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

JB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-06	518R-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-07	518R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-08	518R-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-09	705R-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-10	SOIL-DUP-2	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-19	38M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2819-20	82H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-01	82H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-02	82H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-03	82H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2820-04	SOIL-DUP-1	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-13	17M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-14	17M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-15	17M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-16	38M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-17	38M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-18	38M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-07	11M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/06/2025	Chemtech -SO
Q2819-08	11M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-09	84SB-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-10	84SB-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO

Date/Time 08112125 1510

Raw Sample Received by: SB WC

Raw Sample Relinquished by: CP

Date/Time 08112125 1735

Raw Sample Received by: CP

Raw Sample Relinquished by: SB WC

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-02	22BP-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-03	22BP-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-04	22BP-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/04/2025	Chemtech -SO
Q2819-05	11M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-06	11M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2820-23	22M-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-24	22M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-17	88H-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-18	88H-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-19	88H-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-20	88H-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-21	22M-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-22	22M-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-11	10PC-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/08/2025	Chemtech -SO
Q2820-12	10PC-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-13	10P-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-14	10P-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-15	10P-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-16	10P-N	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO
Q2820-05	518R-E	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/07/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/12/25 17:35

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2839-04	BC151973-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-05	BC271336-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-06	BC271336-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-07	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-08	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-09	BC271242-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-10	BC271242-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-11	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-12	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-13	BC226751-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-14	BC226751-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-15	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-16	JEC773V-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2840-01	0804-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO
Q2840-02	0804-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/12/2025	Chemtech -SO

Date/Time 08112125 15:00
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 08112125 17:35
Raw Sample Received by:
Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WS 131783

WorkList Name : %1-081225 **WorkList ID :** 191210 **Department :** Wet-Chemistry **Date :** 08-12-2025 07:56:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-11	84SB-W	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2819-12	17M-S	Solid	Percent Solids	Cool 4 deg C	FIRS02	D31	08/05/2025	Chemtech -SO
Q2832-01	TG-S01	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2732-02	WC-A7-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J21	08/12/2025	Chemtech -SO
Q2832-03	TG-S02	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-05	TG-S03	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-07	TG-S04	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/11/2025	Chemtech -SO
Q2832-09	TG-S05	Solid	Percent Solids	Cool 4 deg C	PORT06	J21	08/12/2025	Chemtech -SO
Q2836-02	WC-A2-15-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-06	WC-A2-16-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-10	WC-A2-17-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2836-14	WC-A5-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	J23	08/12/2025	Chemtech -SO
Q2838-01	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-02	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-03	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-05	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-06	TP-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2838-07	TP-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2025	Chemtech -SO
Q2839-01	BC274436-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-02	BC274436-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO
Q2839-03	BC151973-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	08/12/2025	Chemtech -SO

Date/Time 08/12/25 15:00

Raw Sample Received by: WC

Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 17:35

Raw Sample Received by: CP SM

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169210

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/12/2025
Matrix :	Solid			**Extraction Start Time :**	09:15
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/12/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext-lab)	RC/SVOC
13:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169210

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/12/2025

Sample ID	Client Sample ID	Test	(g) mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169210BL	SBLK210	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U1-1
PB169210BS	SLCS210	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1			2
Q2818-01	B-2-5-1	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	B		3
Q2818-02	B-3-5-2	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	B		4
Q2820-01	82H-S	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1	E		5
Q2820-02	82H-W	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		6
Q2820-03	82H-N	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		U2-1
Q2820-04	SOIL-DUP-1	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	E		2
Q2820-05	518R-E	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		3
Q2820-06	518R-N	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		4
Q2820-07	518R-S	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		5
Q2820-08	518R-W	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		6
Q2820-09	705R-S	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		U3-1
Q2823-01	SU-04-081125	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		2
Q2826-01	WC1	SVOCMS Group1	30.03	N/A	ritesh	RUPESH	1			3
Q2827-01	TP-8	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	E		4
Q2827-05	TP-9	SVOC-TCL BNA -20	50.01	N/A	ritesh	RUPESH	1	E	Gasoline Smell	5
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	E		6
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		U6-1
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		2
Q2830-05MS	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SVOC-TCL BNA -20	50.01	N/A	ritesh	RUPESH	1	E		3
Q2830-05MSD	BIN0009-DRIVEWAY-TP-WESTSIDEMSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	E		4
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		5
Q2831-01	VNJ-238	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	B		6

RS 8/12

* **Extracts relinquished on the same date as received.**

169210
9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2826 **WorkList ID :** 191217 **Department :** Extraction **Date :** 08-12-2025 08:43:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03		08/11/2025	8270E
Q2818-02	B-3-5-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03		08/11/2025	8270E
Q2820-01	82H-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-02	82H-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-03	82H-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-04	SOIL-DUP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/06/2025	8270E
Q2820-05	518R-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-06	518R-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-07	518R-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-08	518R-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-09	705R-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2823-01	SU-04-081125	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	08/11/2025	8270E
Q2826-01	WC1	Solid	SVOCMS Group1	Cool 4 deg C	GENV01	D31	08/11/2025	8270E
Q2827-01	TP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2827-05	TP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-01	BIN0009-DRIVEWAY-TP-SOUT	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-05	BIN0009-DRIVEWAY-TP-WEST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2830-07	BIN0009-DRIVEWAY-TP-EAST	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/11/2025	8270E
Q2831-01	VNJ-238	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/11/2025	8270E

Date/Time 08/12/25 9:10
Raw Sample Received by: RJ (EA-lab)
Raw Sample Relinquished by: CA

Date/Time 08/12/25 9:40
Raw Sample Received by: CA
Raw Sample Relinquished by: RJ (EA-lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169228

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/13/2025
Matrix :	Solid			**Extraction Start Time :**	09:05
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/13/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/13/25	RS (Ext lab)	RC/SVOC
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169228

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/13/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169228BL	SBLK228	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U1-1
PB169228BS	SLCS228	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			2
Q2820-10	SOIL-DUP-2	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		3
Q2820-11	10PC-W	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
Q2820-12	10PC-S	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1	E		5
Q2820-13	10P-W	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		6
Q2820-14	10P-E	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		U2-1
Q2820-15	10P-S	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	E		2
Q2820-16	10P-N	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		3
Q2820-17	88H-E	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		4
Q2820-17MS	88H-EMS	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		5
Q2820-17MSD	88H-EMSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		6
Q2820-18	88H-N	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		U3-1
Q2820-19	88H-W	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		2
Q2820-20	88H-S	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		3
Q2820-21	22M-N	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		4
Q2820-22	22M-W	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
Q2832-01	TG-S01	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	F		6
Q2832-03	TG-S02	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	F		U6-1
Q2832-05	TG-S03	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	F		2
Q2832-07	TG-S04	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	F		3
Q2832-09	TG-S05	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	F		4
Q2838-01	TP-11	SVOC-TCL BNA -20	50.02	N/A	ritesh	RUPESH	1	B		5
Q2838-05	TP-10	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	B		6

RS 8/13

* **Extracts relinquished on the same date as received.**

189226 9:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3820 **WorkList ID :** 191244 **Department :** Extraction **Date :** 08-13-2025 08:33:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2820-10	SOIL-DUP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-11	10PC-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-12	10PC-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-13	10P-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-14	10P-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-15	10P-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-16	10P-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/07/2025	8270E
Q2820-17	88H-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-18	88H-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-19	88H-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-20	88H-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-21	22M-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-22	22M-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2832-01	TG-S01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-03	TG-S02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-05	TG-S03	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-07	TG-S04	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/11/2025	8270E
Q2832-09	TG-S05	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	J21	08/12/2025	8270E
Q2838-01	TP-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/12/2025	8270E
Q2838-05	TP-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D21	08/12/2025	8270E

Date/Time 08/13/25 9:00
Raw Sample Received by: RJ (CEAL-Lab)
Raw Sample Relinquished by:

Date/Time 08/13/25 9:30
Raw Sample Received by:
Raw Sample Relinquished by: RJ (CEAL-Lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169242

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/14/2025
Matrix :	Solid			**Extraction Start Time :**	08:40
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/14/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Spike Sol 1	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443, Q2844-09,11 used Limited volume as samples are Oily Debris.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/14/25 12:05	RS (Bu-Lab)	Rc/SVOC
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169242

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/14/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169242BL	SBLK242	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U6-1
PB169242BS	SLCS242	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			2
Q2819-01	22BP-N	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		3
Q2819-02	22BP-E	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
Q2819-03	22BP-W	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
Q2819-03MS	22BP-WMS	SVOC-TCL BNA -20	30.06	N/A	ritesh	RUPESH	1	E		6
Q2819-03MSD	22BP-WMSD	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		U1-1
Q2819-04	22BP-S	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1	E		2
Q2819-05	11M-W	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		3
Q2819-06	11M-S	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		4
Q2819-07	11M-N	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		5
Q2819-08	11M-E	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	E		6
Q2819-09	84SB-E	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		U2-1
Q2820-23	22M-E	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		2
Q2820-24	22M-S	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		3
Q2844-01	PAD-081325	SVOC-PAH	50.06	N/A	ritesh	RUPESH	1	B	Concrete	4
Q2844-02	MOO-25-0224-0225	SVOC-PAH	50.03	N/A	ritesh	RUPESH	1	E		5
Q2844-04	MOO-25-0234-0235	SVOC-PAH	50.05	N/A	ritesh	RUPESH	1	E		6
Q2844-06	MOO-25-0223	SVOC-PAH	30.02	N/A	ritesh	RUPESH	1	E	Small Partical	U3-1
Q2844-09	MOO-25-0226	SVOC-PAH	5.03	N/A	ritesh	RUPESH	1	B	Oily Debris	2
Q2844-11	MOO-25-0228	SVOC-PAH	5.07	N/A	ritesh	RUPESH	1	E	Debris	3
Q2853-01	TR-5-081325	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	E		4
Q2857-03	72-12002	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		5
Q2858-01	VNJ 216	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		6

RS 8/14

* **Extracts relinquished on the same date as received.**

169242
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2844 **WorkList ID :** 191263 **Department :** Extraction **Date :** 08-14-2025 08:30:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2819-01	22BP-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/04/2025	8270E
Q2819-02	22BP-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/04/2025	8270E
Q2819-03	22BP-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/04/2025	8270E
Q2819-04	22BP-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/04/2025	8270E
Q2819-05	11M-W	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/05/2025	8270E
Q2819-06	11M-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/05/2025	8270E
Q2819-07	11M-N	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/05/2025	8270E
Q2819-08	11M-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/05/2025	8270E
Q2819-09	84SB-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/05/2025	8270E
Q2820-23	22M-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2820-24	22M-S	Solid	SVOC-TCL BNA -20	Cool 4 deg C	FIRS02	D31	08/08/2025	8270E
Q2844-01	PAD-081325	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2844-02	MOO-25-0224-0225	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2844-04	MOO-25-0234-0235	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2844-06	MOO-25-0223	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2844-09	MOO-25-0226	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2844-11	MOO-25-0228	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	J13	08/13/2025	8270E
Q2853-01	Tr-5-081325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	J33	08/13/2025	8270E
Q2857-03	72-12002	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	--Sele	08/13/2025	8270E
Q2858-01	VNJ 216	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	J32	08/13/2025	8270E

Date/Time 08/14/25 8:35
Raw Sample Received by: RJ (EA-Lab)
Raw Sample Relinquished by: SM

Date/Time 08/14/25 9:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EA-Lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID : Q2820

Test : SVOC-TCL BNA -20

Prepbatch ID : PB169210,PB169228,PB169242,

Sequence ID/Qc Batch ID: BF081225,bf081325,BF081425,BF081825,bf082125,BP081225,BP081325,BP081425,BP081525,BP0

Standard ID :
EP2626,EP2632,SP6757,SP6769,SP6770,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,

Chemical ID :
10ul/1000ul sample,E3875,E3904,E3926,E3932,E3942,E3946,E3949,E3951,E3954,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12245,S12272,S12277,S12278,S12306,S12307,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12739,S12776,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13170,S13171,S13206,S13207,S13208,S13209,S13210,S13211,S13214,S13233,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2632	08/11/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 08/11/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4178	8270/625.1 Stock Solution-2 100 ng	SP6832	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11805

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12499

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12501

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12502

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12503

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12504

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12505

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12546

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12549

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12550

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13088

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090 -04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RS 6/19/25

E3946

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Read on 7/2/25

E3949

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

VWR® BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

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(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

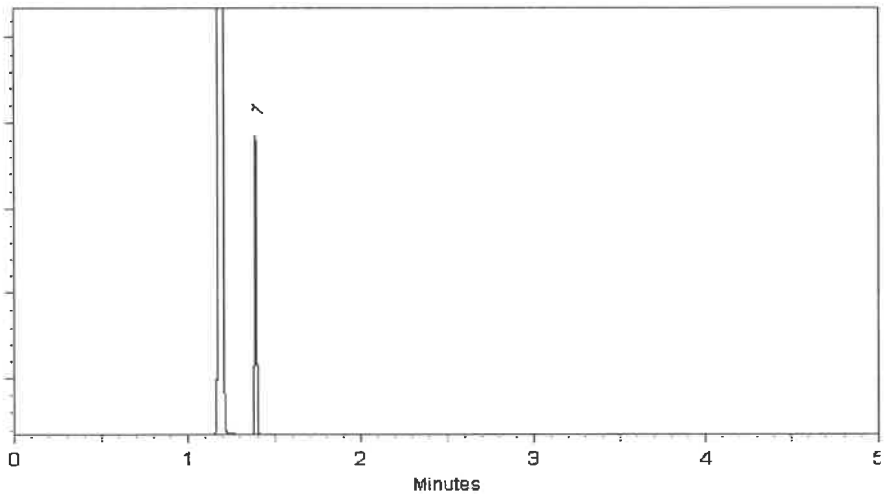
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

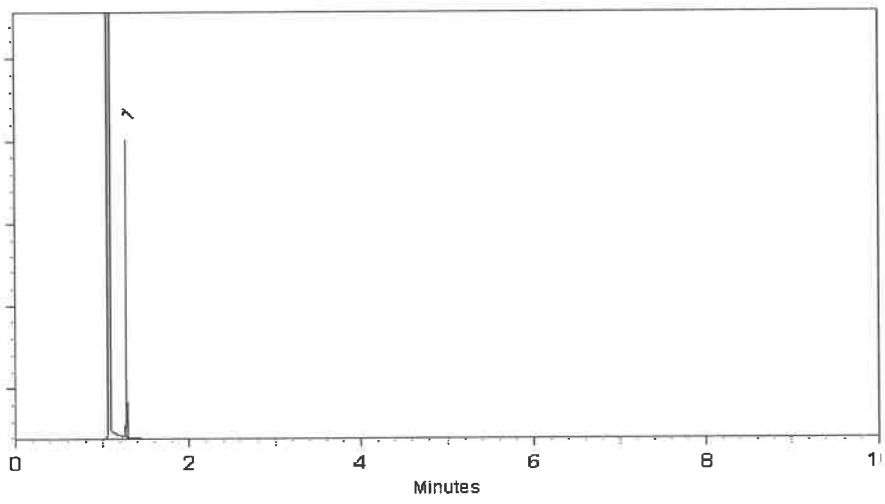
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

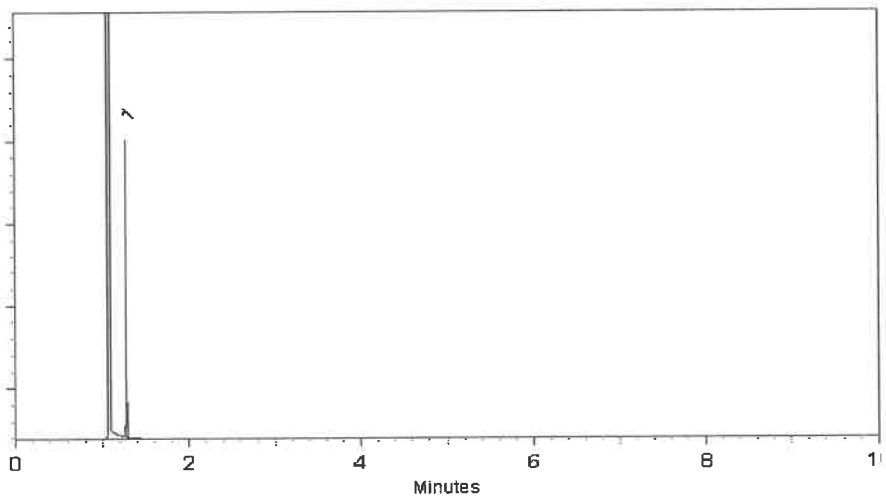
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
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Det. Temp:
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Det. Type:
FID

Split Vent:
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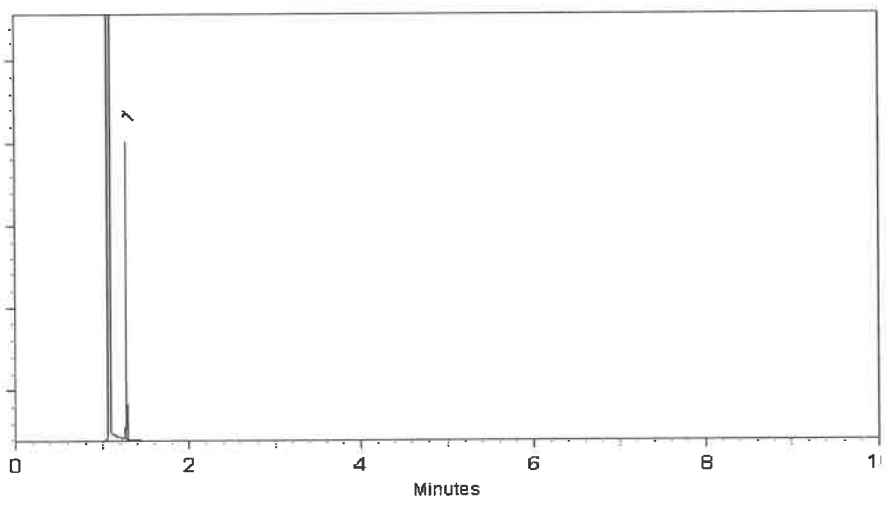
Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

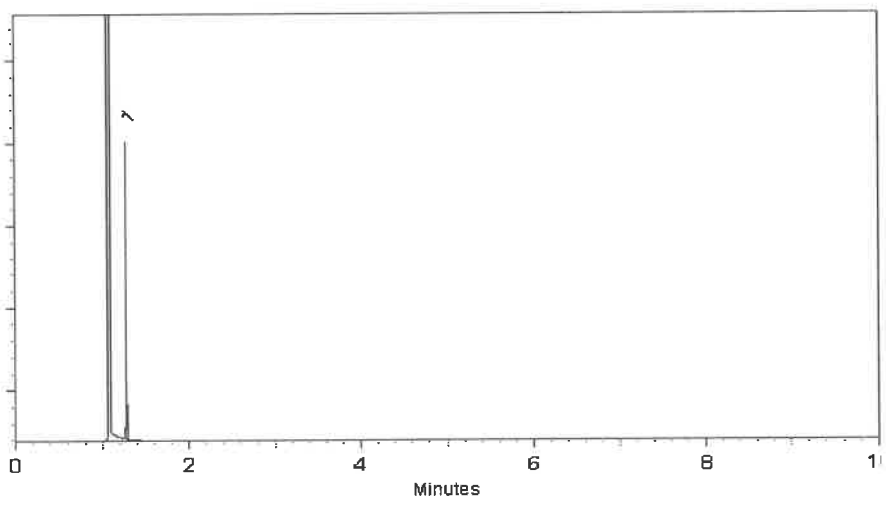
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

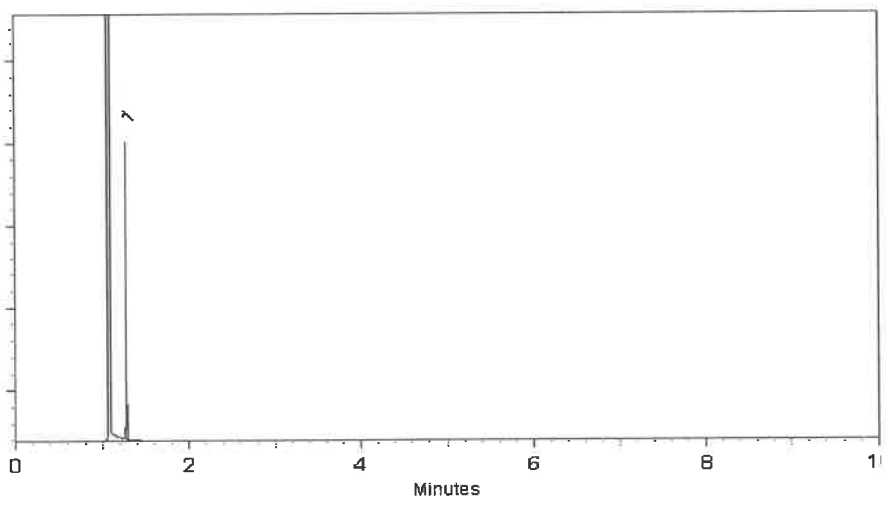
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

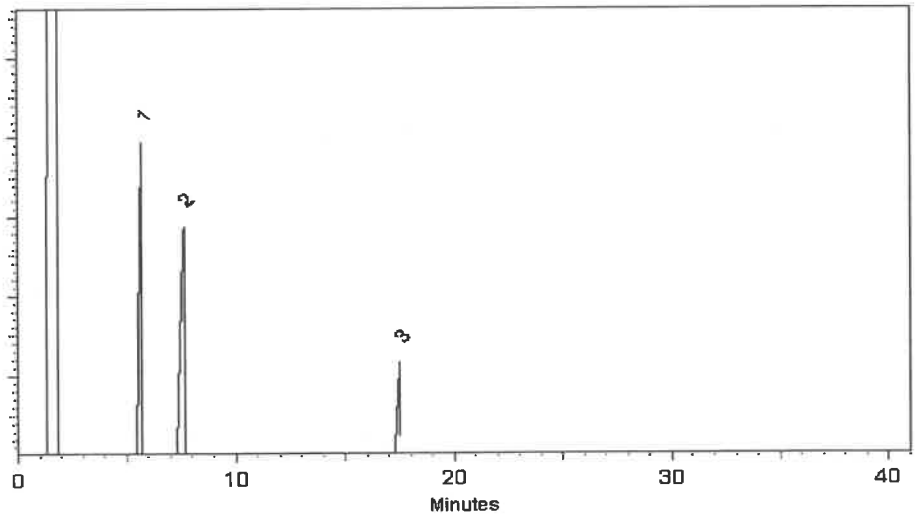
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

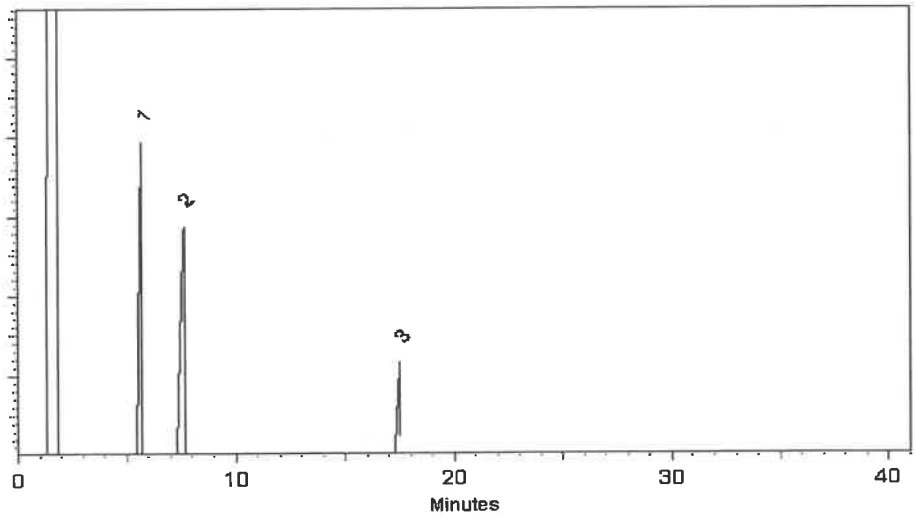
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

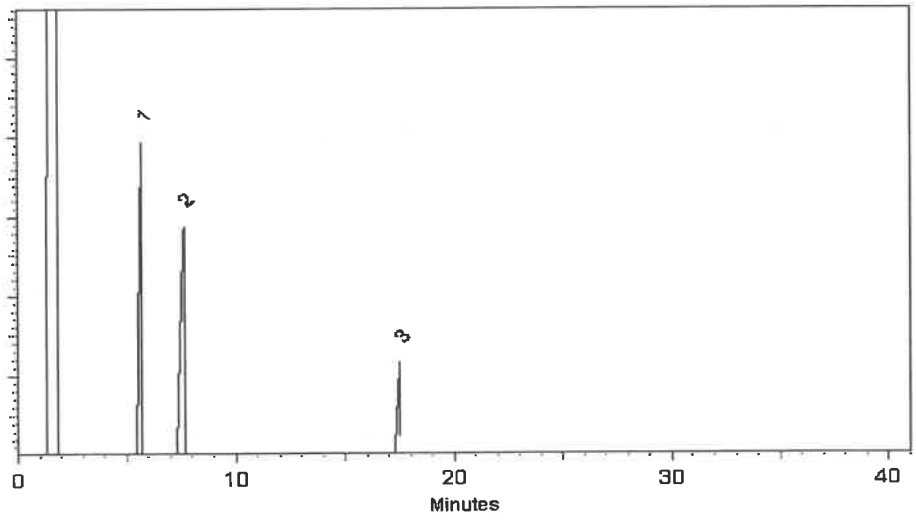
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

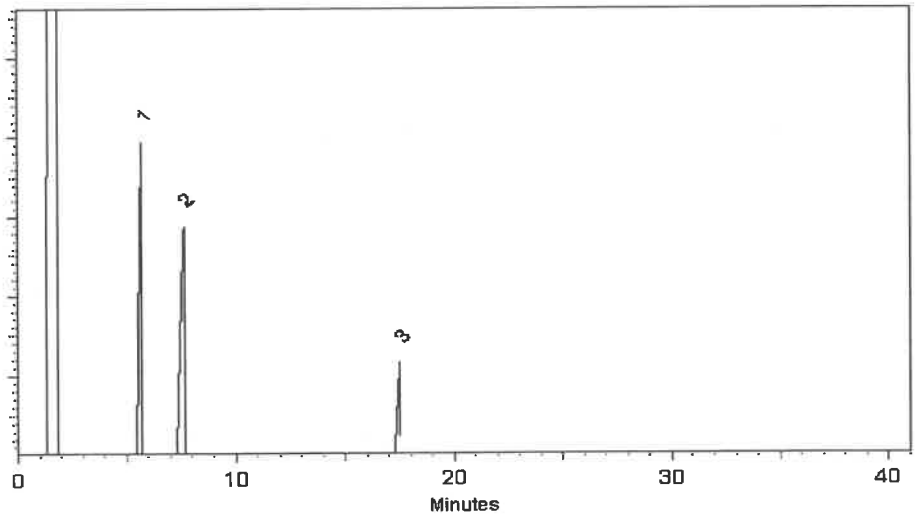
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

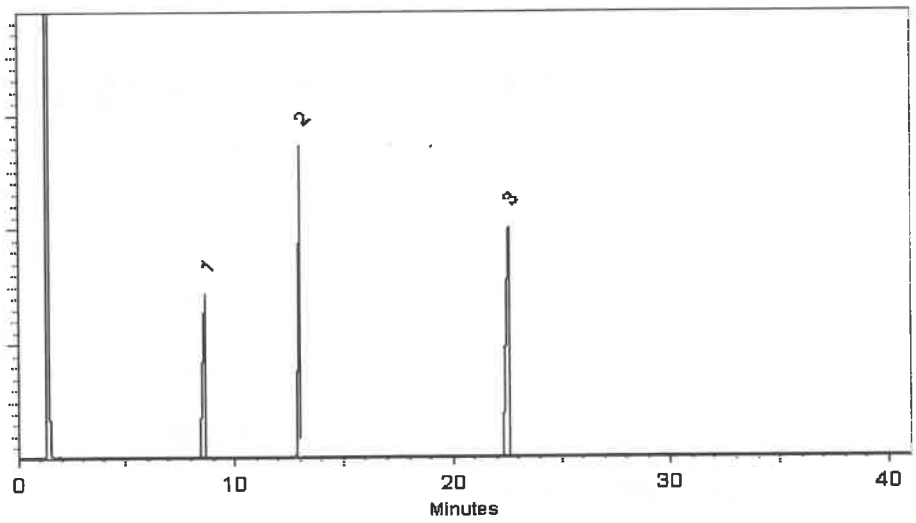
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

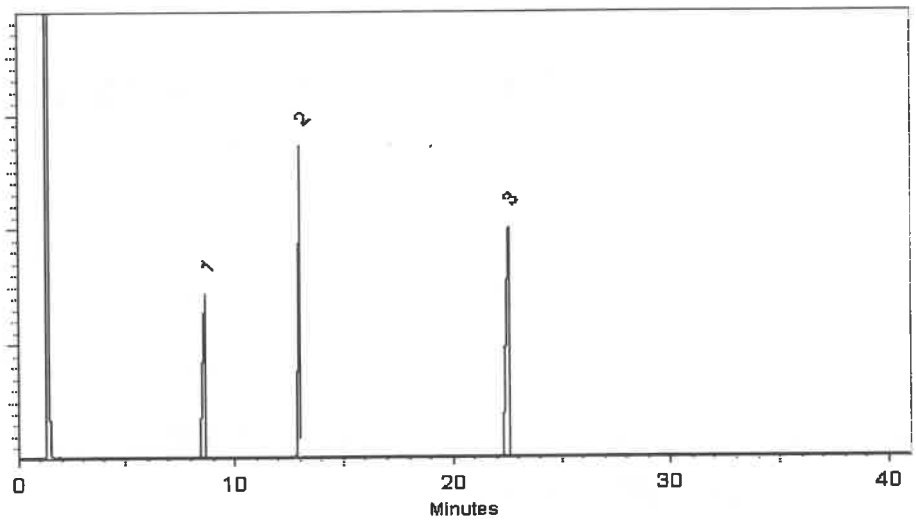
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

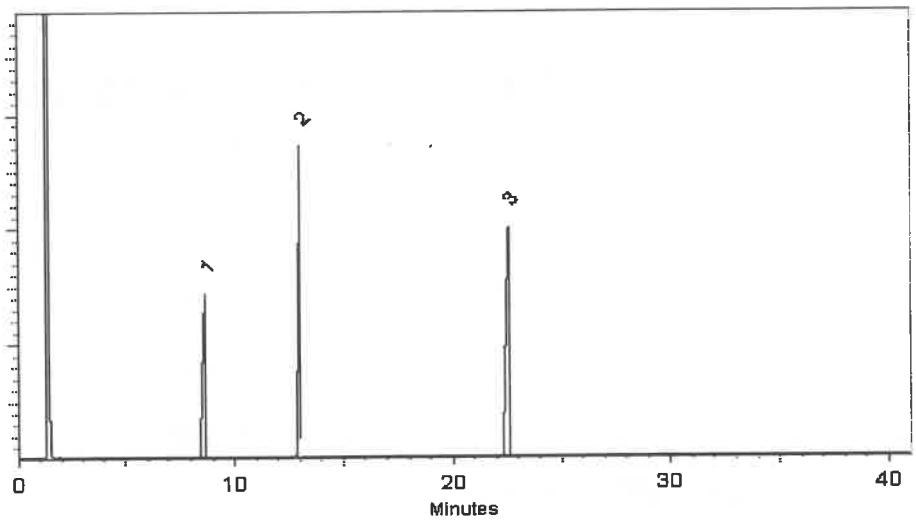
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

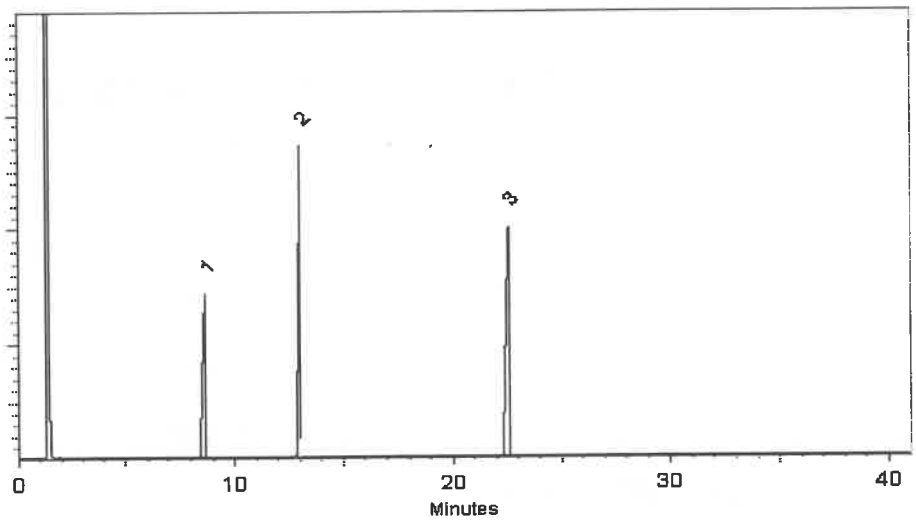
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

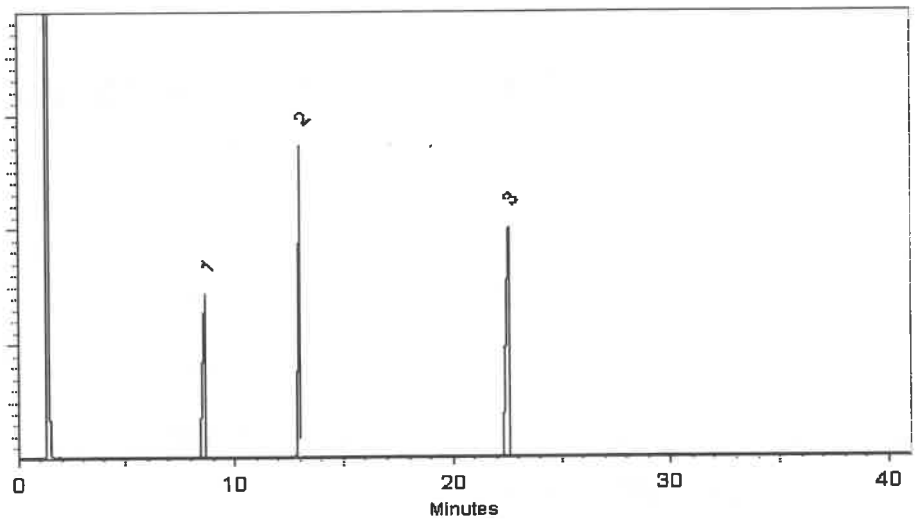
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

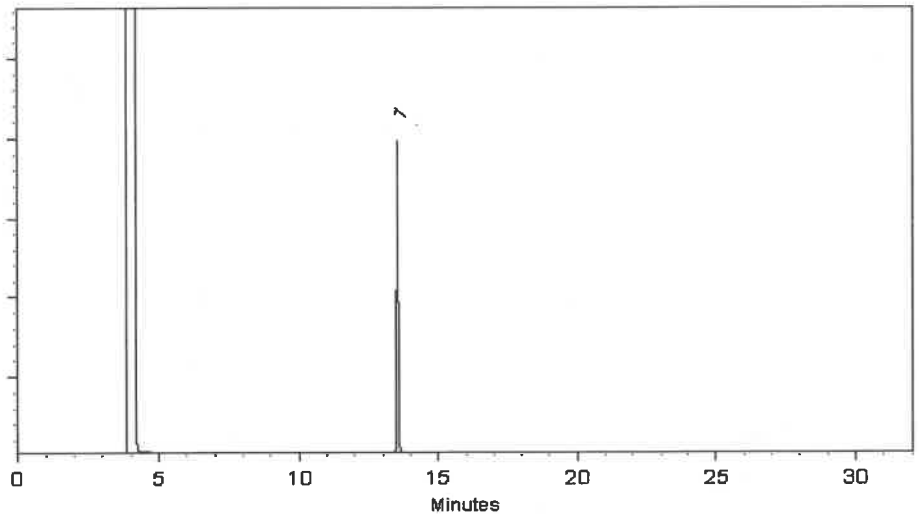
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

S12302 ↓ S12311 RC 5/30/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

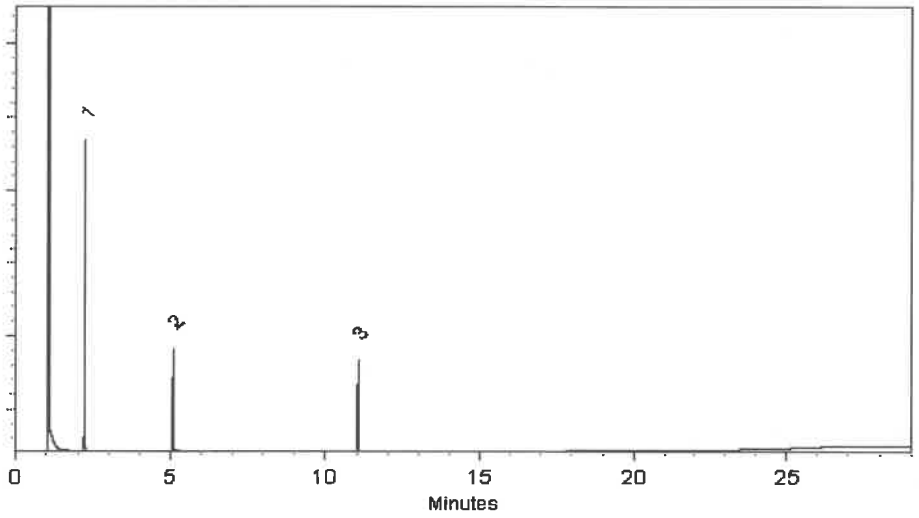
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12302 ↓ S12311 RC 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

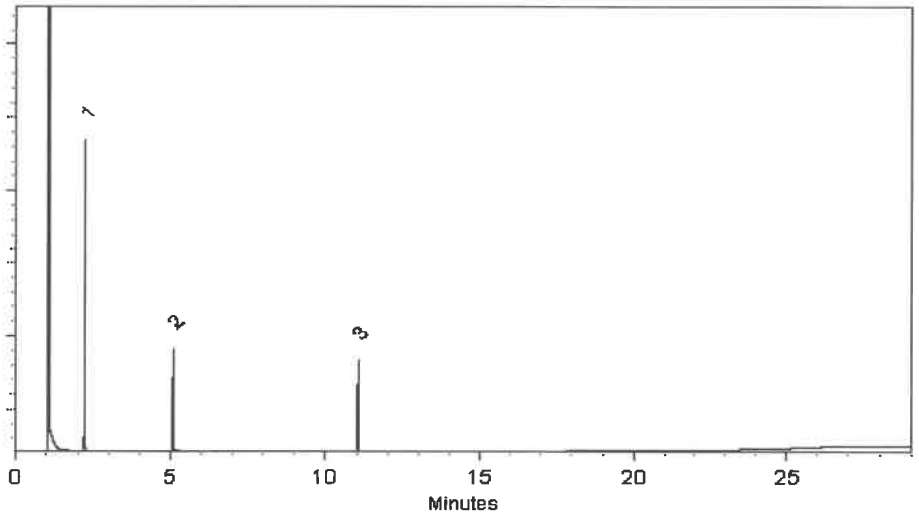
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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CAS # 75-09-2
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S12509 ↓ S12568 } RC/ 7/24/24

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

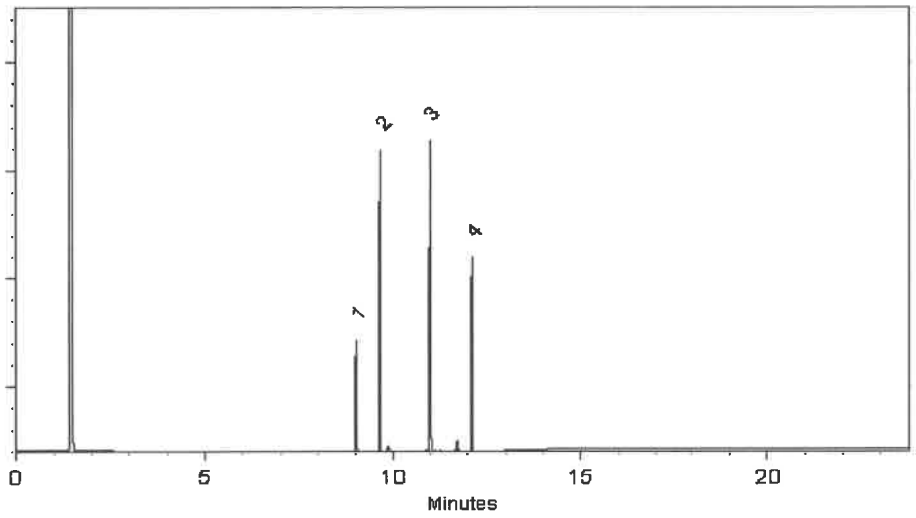
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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800-368-1131
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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

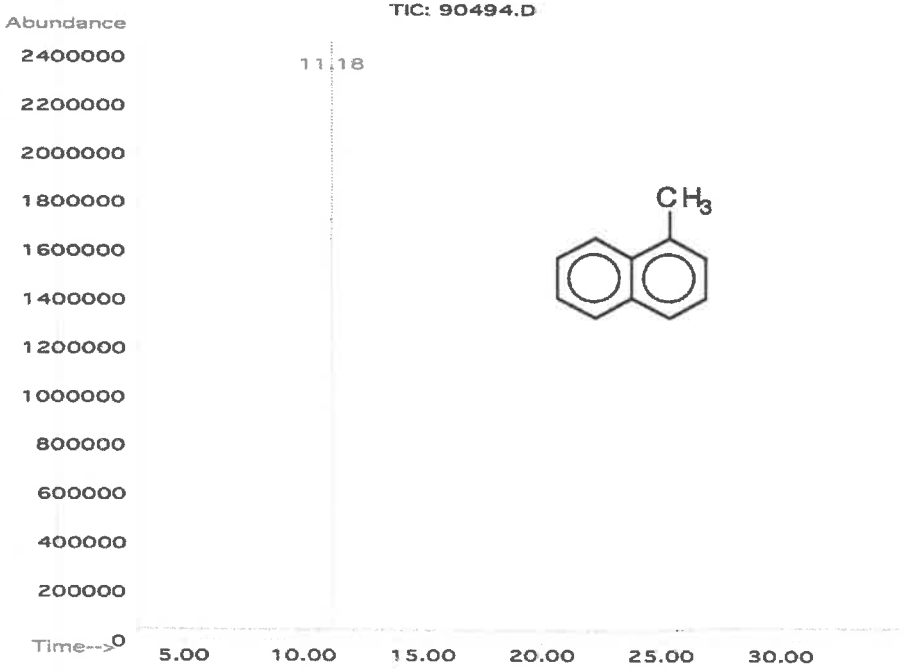
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

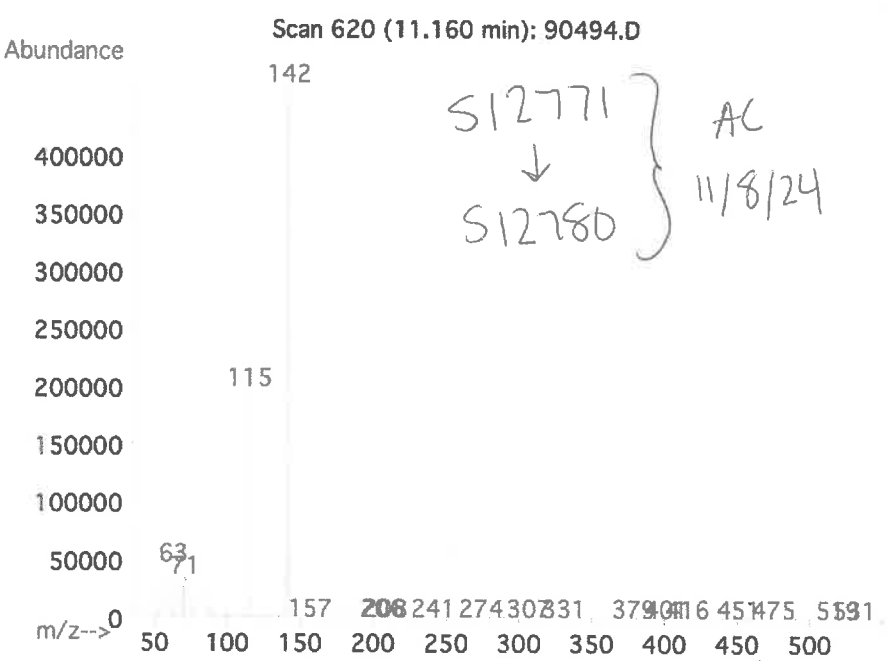
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 → S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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chromatographic plus

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	531243	≤ -10 °C	Methylene Chloride	1/2/2030	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

513057
↓
513061
AC
1/16/25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

513078 ↓ 513087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/-	36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/-	36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/-	36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/-	36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/-	36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/-	36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/-	36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/-	36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/-	36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/-	36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/-	36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/-	36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/-	36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/-	36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/-	36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/-	36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/-	36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/-	36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/-	36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/-	36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/-	36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/-	36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/-	36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/-	36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/-	36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/-	36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/-	36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/-	36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/-	36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/-	36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/-	36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/-	36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/-	36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/-	36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/-	36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

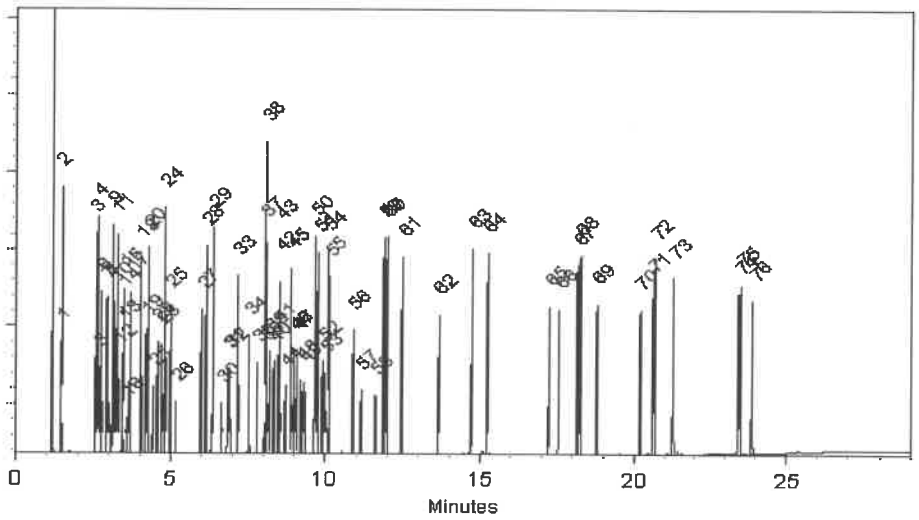
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/-	36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/-	36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/-	36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/-	36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/-	36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/-	36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/-	36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/-	36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/-	36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/-	36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/-	36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/-	36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/-	36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/-	36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/-	36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/-	36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/-	36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/-	36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/-	36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/-	36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/-	36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/-	36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/-	36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/-	36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/-	36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/-	36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/-	36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/-	36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/-	36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/-	36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/-	36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/-	36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/-	36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/-	36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/-	36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/-	36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

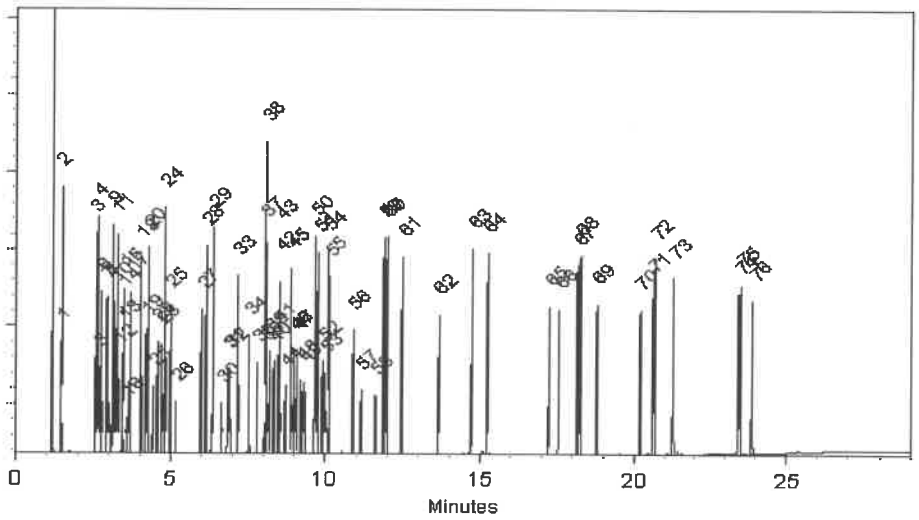
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 ↓ S13167 } RC/ 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED By Dillon Murphy at 11:21 am, Jun 03, 2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S13198 → S13207 AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S13198 → S13207 AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED WEIGHT REPORT

Part Number: 70434
Lot Number: 121622
Description: Acetophenone

Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

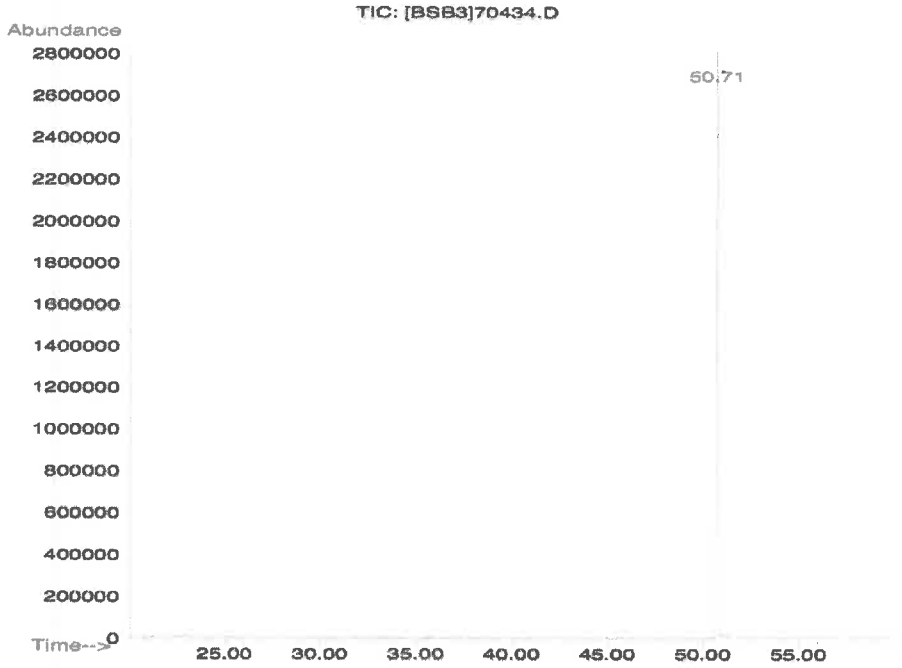
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

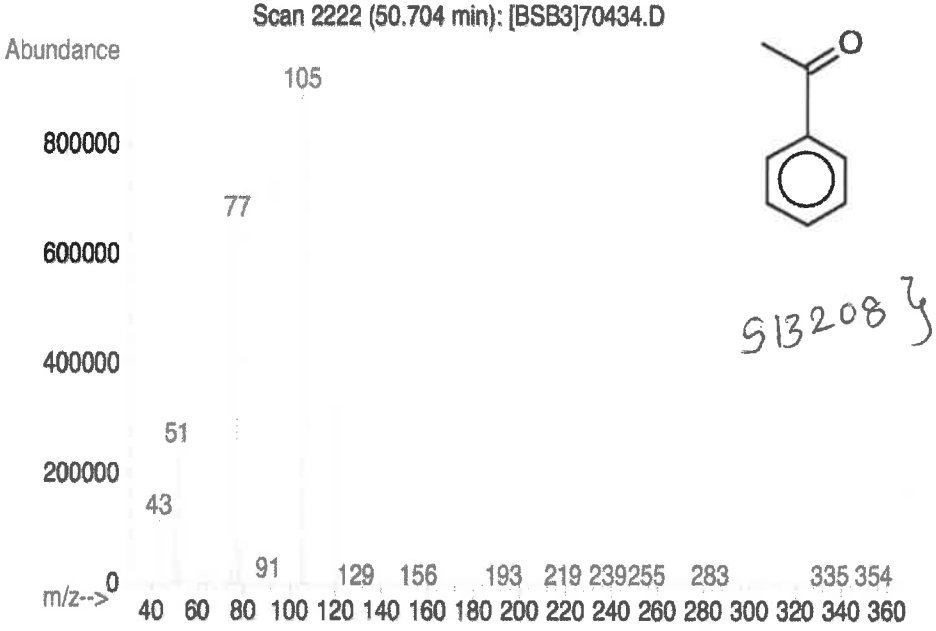
Formulated By:	Benson Chan	121622 DATE
Reviewed By:	Pedro L. Rentas	121622 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	orl-rat 815mg/kg

Method: GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren. Solvent delay = 25 minutes.

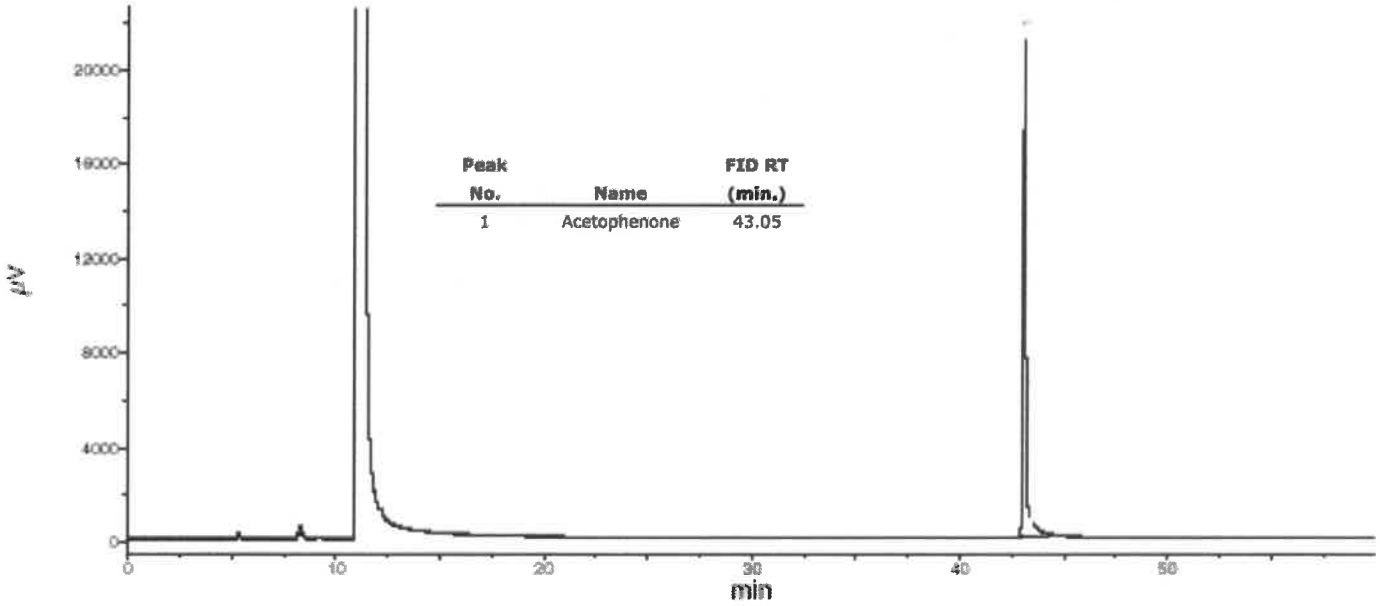




S13208 ✓ RC 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak No.	Name	FID RT (min.)
1	Acetophenone	43.05

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CERTIFIED WEIGHT REPORT

Part Number:	91126
Lot Number:	060625
Description:	Benzoic acid
Expiration Date:	060630
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	2000
NIST Test ID#:	6UTB

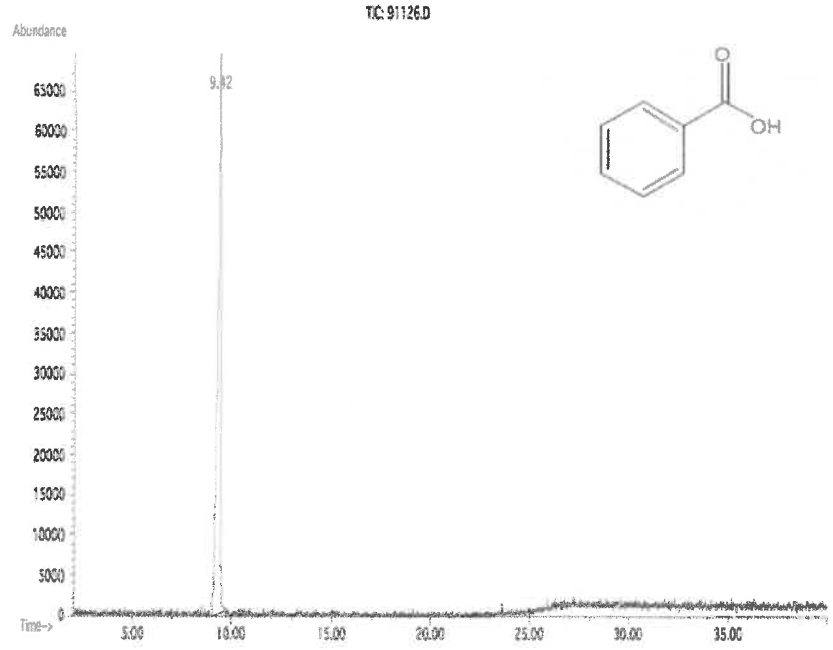
Solvent(s):	Lot#
Methylene chloride	23343

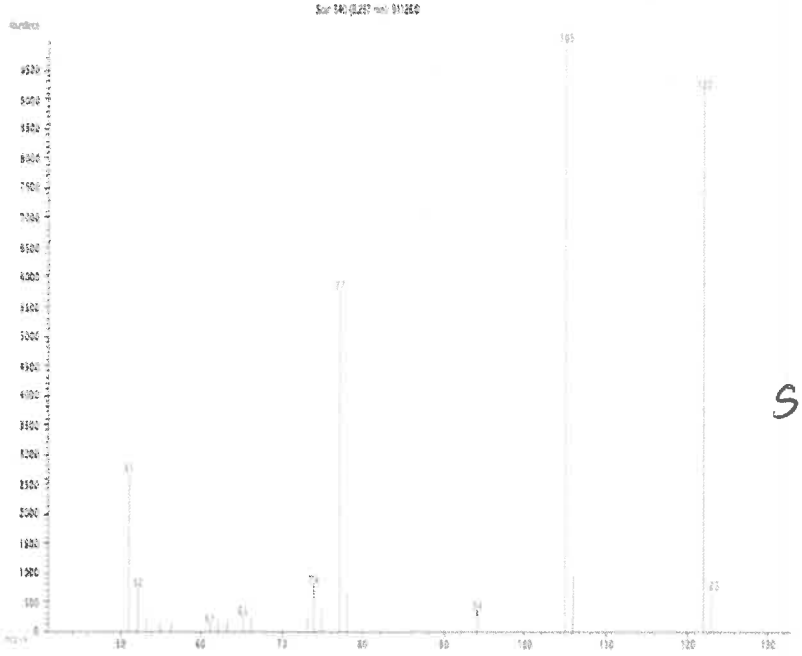
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Anthony Mahoney	060625 DATE
Reviewed By:	Pedro L. Rentas	060625 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	orl-rat 1700mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C. Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.





S132097 RC 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

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CERTIFIED WEIGHT REPORT

Part Number: 34571
Lot Number: 092324
Description: 1,2,4,5-Tetrachlorobenzene

Solvent(s): Methanol **Lot#** EI863-US

Expiration Date: 092334
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.004 Flask Uncertainty

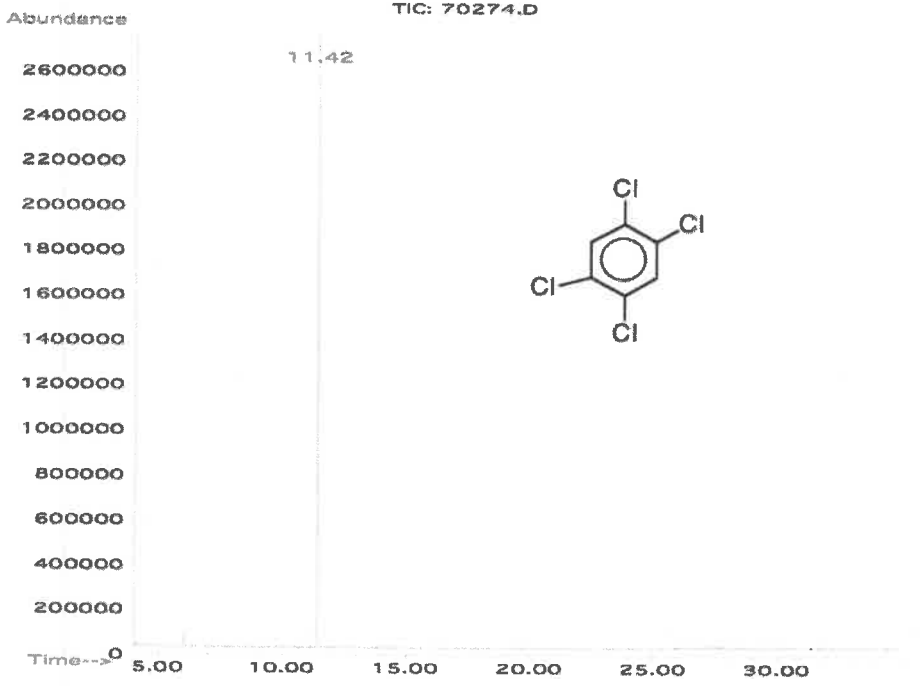
Weight(s) shown below were combined and diluted to (mL): 25.0

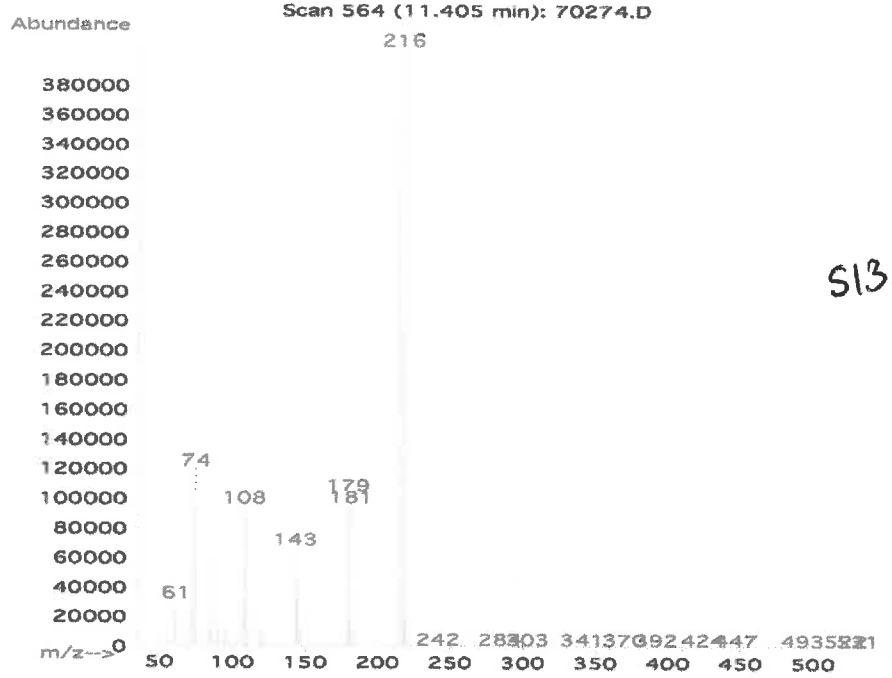
CAUTION: Sonicate Before Use

	Formulated By: Lawrence Barry	092324 DATE
	Reviewed By: Pedro L. Rentas	092324 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	orl-rat 1500mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S132113 RC 6/19/25.

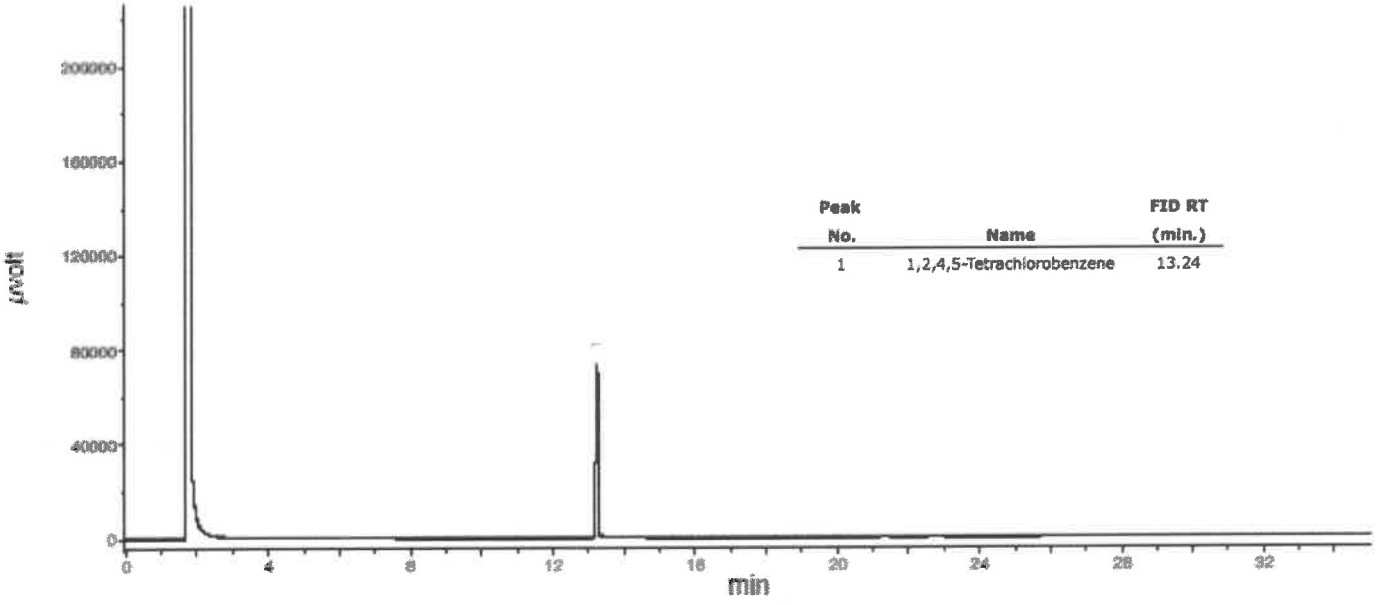
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 7



Peak No.	Name	FID RT (min.)
1	1,2,4,5-Tetrachlorobenzene	13.24

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Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

513229 ↓ 513238 } RC/ 8/1/25

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

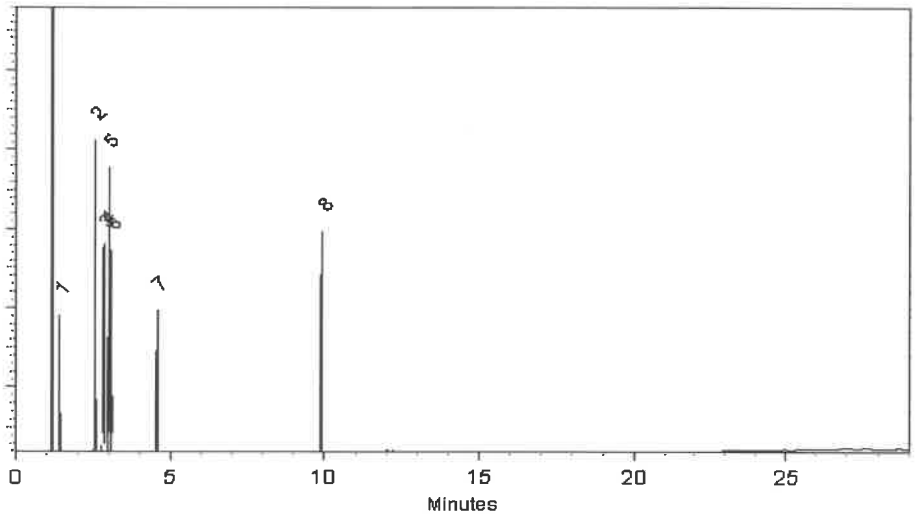
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045331

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY:
ADDRESS: See page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME:
PROJECT NO: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS
1: VOC/SVOC 2: Pest/PCB 3. Metals 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	82H - S	S	C		8/6/25	1215	5	X									
2.	82H - W					1230		X									
3.	82H - N					1250		X									
4.	SOIL - DUP - 1				8/6/25			X									
5.	518R - E				8/7/25	0900		X									
6.	518R - N					0940		X									
7.	518R - S					0930		X									
8.	518R - W					0950	5	X									
9.	705R - S					1100	3	X	X	X							
10.	SOIL - DUP - 2						3	X	X	X							

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GMC	6:01	1. 8.8.25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9c °C
Comments:

Page 3 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

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ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045332

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY:
ADDRESS: See page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS

1: VOC / SVOC
2: Pest / PCB
3: Metals
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	10PC-W	S	C		8/7/25	1235	5	X									
2.	10PC-S					1240		X									
3.	10P-W					1255		X									
4.	10P-E					1300		X									
5.	10P-S					1320		X									
6.	10P-N					1330		X									
7.	88H-E				8/8/25	0825		X									
8.	88H-N					0840		X									
9.	88H-W					0850		X									
10.	88H-S					0900		X									

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GML	6:01	1. 8.8.25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.7C °C
Comments:

Page 4 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2820
COC Number 2045333

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY:
ADDRESS: See Page 1
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT NYSDEC

ANALYSIS

1: VOC / SVOC 2: Pest / PCB 3. Metals 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	22M-N	S	C		8/8/25	1125	5	x									
2.	22M-W					1050	5	x									
3.	22M-E					1115	5	x									
4.	22M-S					1100	7	x	x	x							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. GMC	6:01	1. 2-8-25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.9°C °C
Comments:

Page 5 of 5

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-01	82H-S	Solid	08/06/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-02	82H-W	Solid	08/06/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-03	82H-N	Solid	08/06/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-04	SOIL-DUP-1	Solid	08/06/2025	00:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-05	518R-E	Solid	08/07/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-06	518R-N	Solid	08/07/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-07	518R-S	Solid	08/07/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-08	518R-W	Solid	08/07/2025	09:50					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-09	705R-S	Solid	08/07/2025	11:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-10	SOIL-DUP-2	Solid	08/07/2025	00:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-11	10PC-W	Solid	08/07/2025	12:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-12	10PC-S	Solid	08/07/2025	12:40						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-13	10P-W	Solid	08/07/2025	12:55						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-14	10P-E	Solid	08/07/2025	13:00						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q2820-15	10P-S	Solid	08/07/2025	13:20						
					VOC-TCLVOA-10		8260D	10 Bus. Days		

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2820-16	10P-N	Solid	08/07/2025	13:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-17	88H-E	Solid	08/08/2025	08:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-18	88H-N	Solid	08/08/2025	08:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-19	88H-W	Solid	08/08/2025	08:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-20	88H-S	Solid	08/08/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-21	22M-N	Solid	08/08/2025	11:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-22	22M-W	Solid	08/08/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2820-23	22M-E	Solid	08/08/2025	11:15					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2820 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 12:29:00 PM
Project Name : USACE018-44 DOD
Receive DateTime : 8/8/2025 6:01:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2820-24	22M-S	Solid	08/08/2025	11:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :
Date / Time : 8-11-25 1450

Received By :
Date / Time : 08/11/25 14:50
Storage Area : **VOA Refridgerator Room**

2 #6
5 2 2

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng		0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng		0.00
86) Perylene-d12	15.580	264	252284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	181196	20.231	ng		0.00
7) Phenol-d6	6.551	99	233168	20.301	ng		-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng		0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng		99
3) Pyridine	3.546	79	121796	9.862	ng		98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng		95
6) Aniline	6.587	93	165629	10.229	ng		98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng		97
9) Benzaldehyde	6.481	77	85899	11.315	ng		99
10) Phenol	6.569	94	138719	10.195	ng		94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng		99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng		99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng		97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng		99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng		96
17) 2-Methylphenol	7.175	107	80378	9.950	ng		99
18) Hexachloroethane	7.445	117	33555	9.660	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng		95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	#	85
22) Acetophenone	7.328	105	144189	10.840	ng		98
24) Nitrobenzene	7.504	77	99226	9.425	ng		98
25) Isophorone	7.739	82	199699	10.091	ng		98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng		98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng		99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng		98
31) Naphthalene	8.233	128	308901	10.634	ng		98
32) Benzoic acid	7.939	122	17211	9.156	ng		93
33) 4-Chloroaniline	8.275	127	105601	10.079	ng		99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng		99
35) Caprolactam	8.610	113	18357	8.098	ng		93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng		96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng		100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng		100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng		99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng		100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

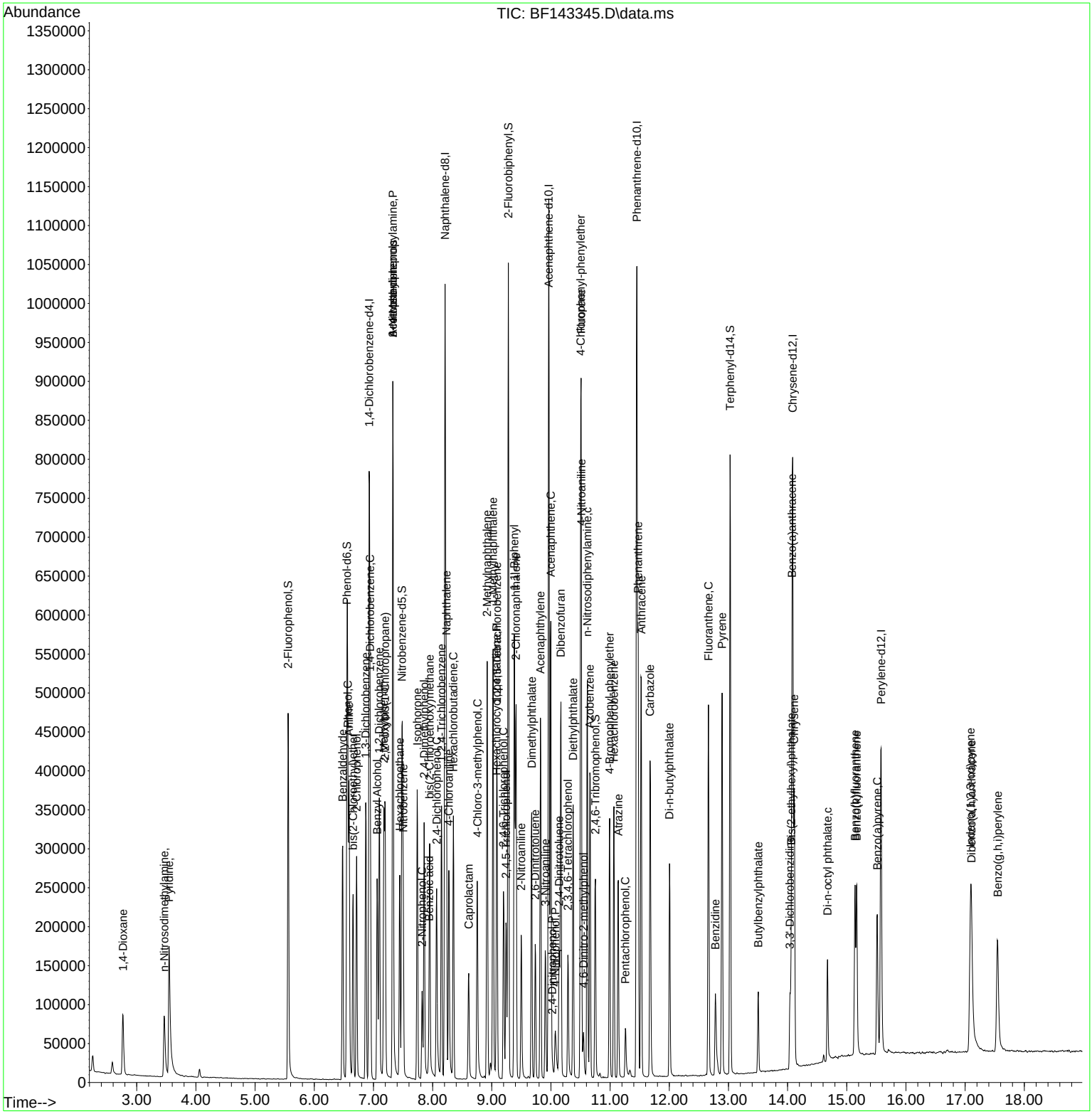
(#) = qualifier out of range (m) = manual integration (+) = signals summed

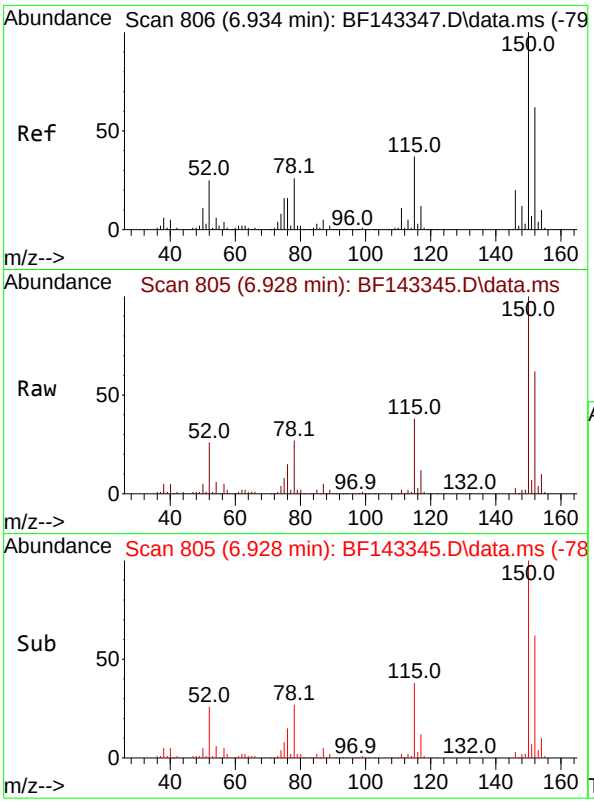
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



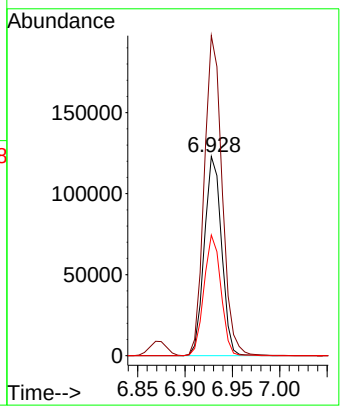


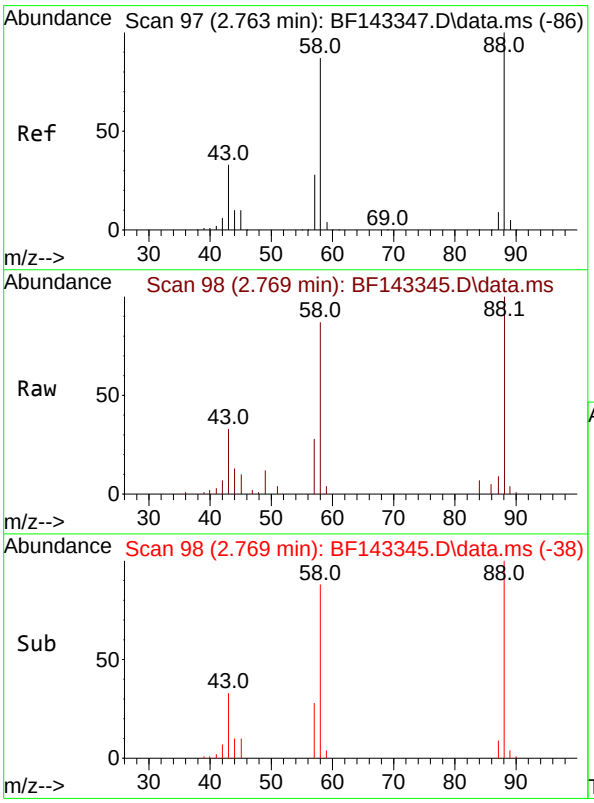
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 154882

Ion	Ratio	Lower	Upper
152	100		
150	160.6	129.8	194.8
115	60.6	47.8	71.8

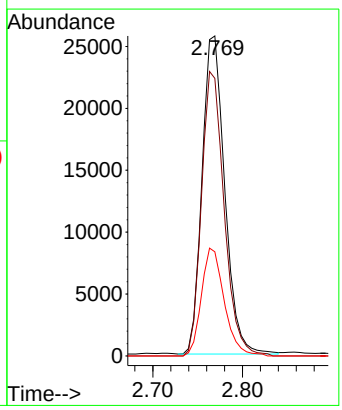


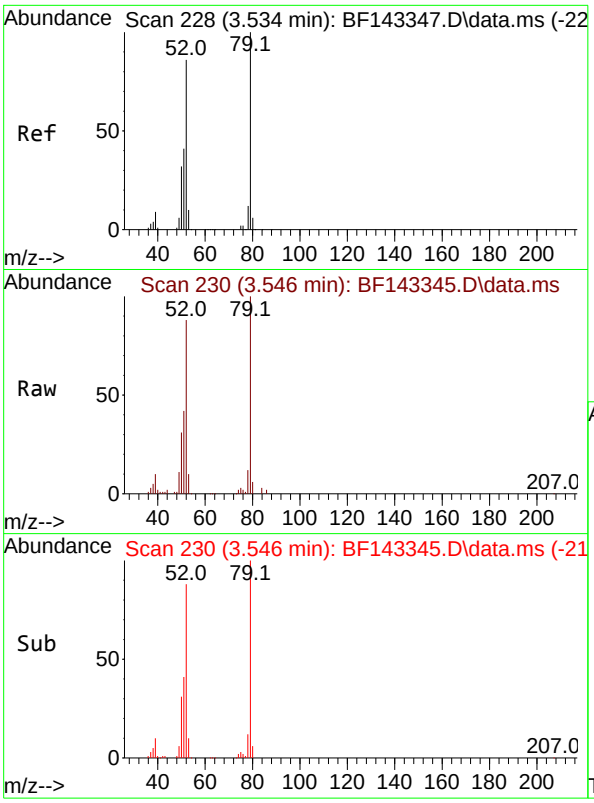


#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 88 Resp: 45069

Ion	Ratio	Lower	Upper
88	100		
58	89.2	71.0	106.6
43	34.2	27.0	40.6



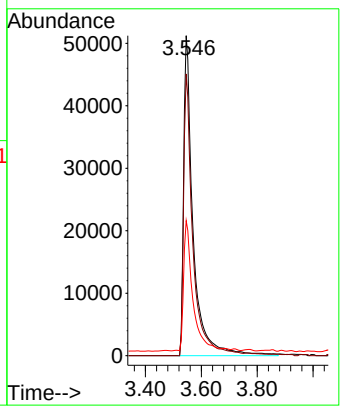


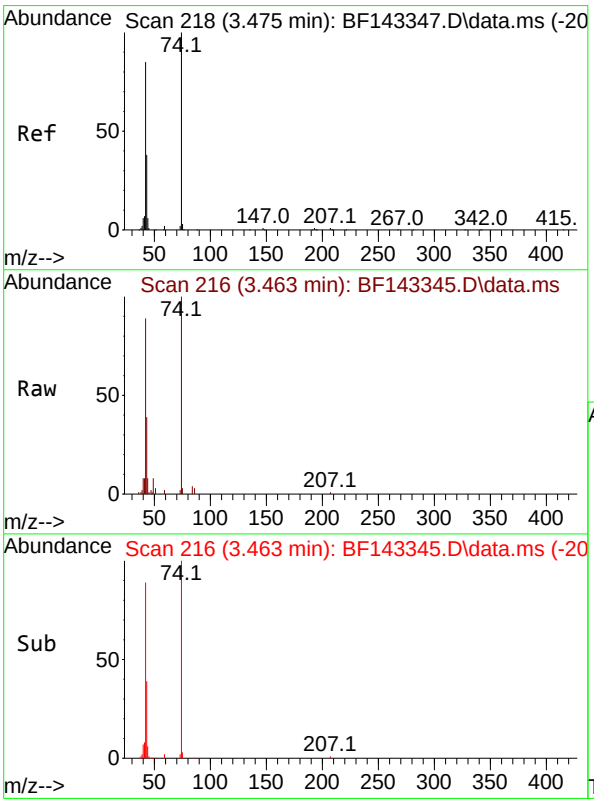
#3
Pyridine
Concen: 9.862 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 121796

Ion	Ratio	Lower	Upper
79	100		
52	88.0	68.7	103.1
51	42.2	33.4	50.0

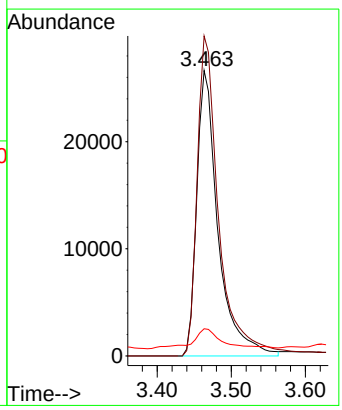


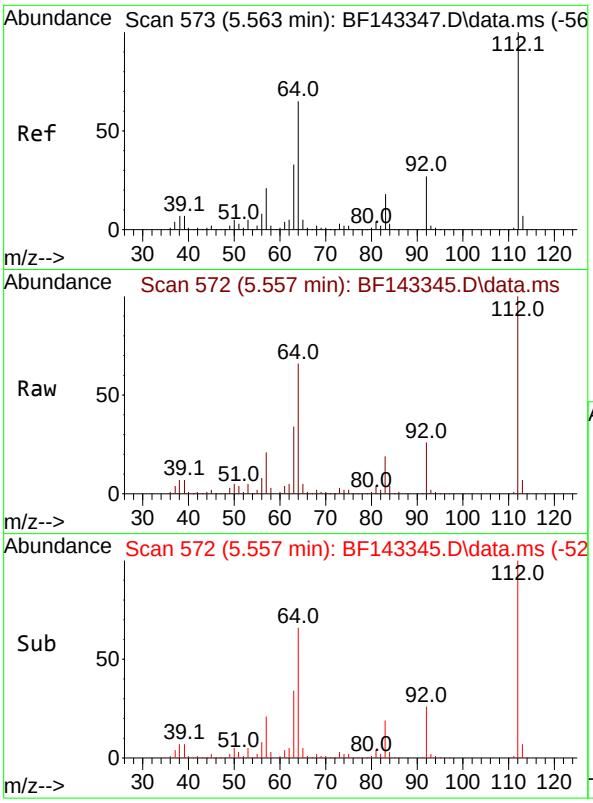


#4
n-Nitrosodimethylamine
Concen: 9.239 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 42 Resp: 53152

Ion	Ratio	Lower	Upper
42	100		
74	112.1	94.1	141.1
44	9.5	6.5	9.7



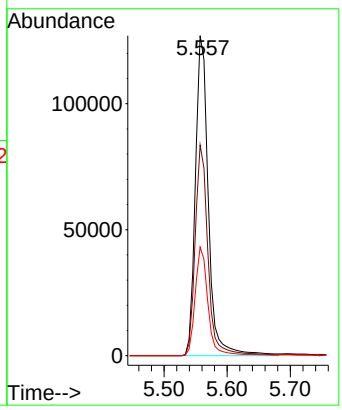


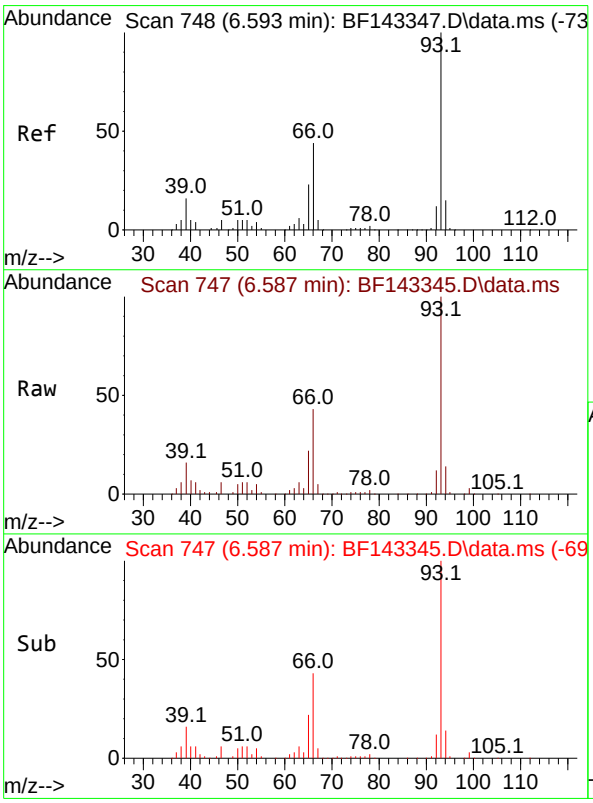
#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 181196

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.1	78.1
63	33.9	26.6	39.8

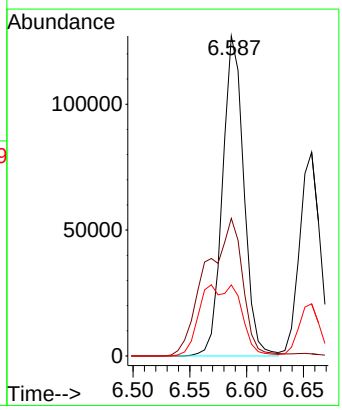


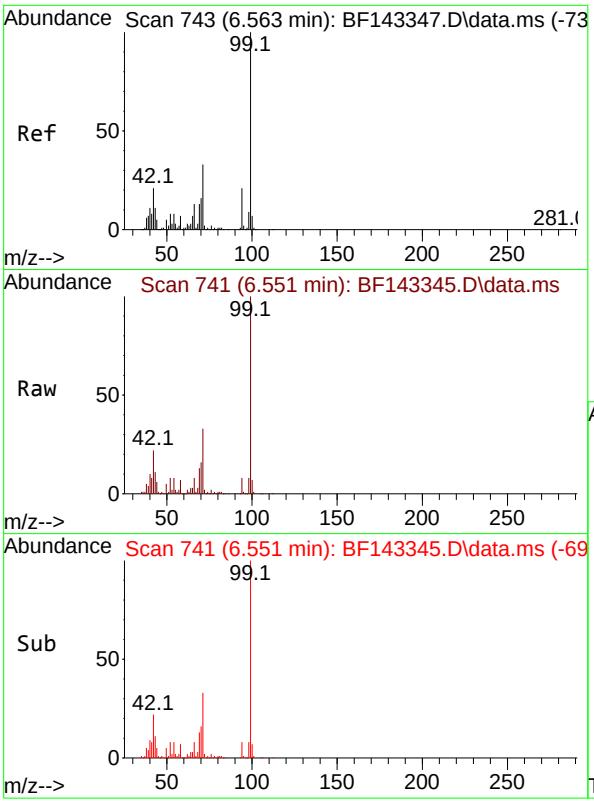


#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 165629

Ion	Ratio	Lower	Upper
93	100		
66	43.0	35.3	52.9
65	22.2	18.2	27.4



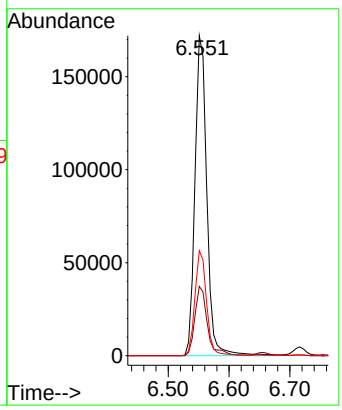


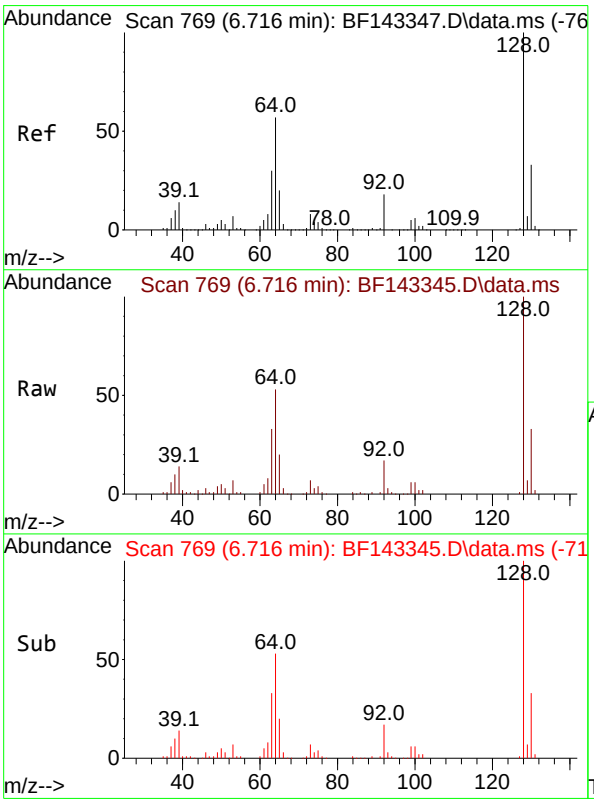
#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 233168

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	25.0
71	32.8	26.2	39.2

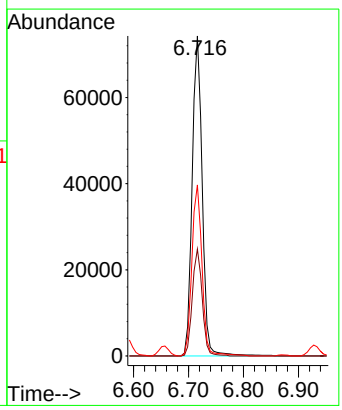


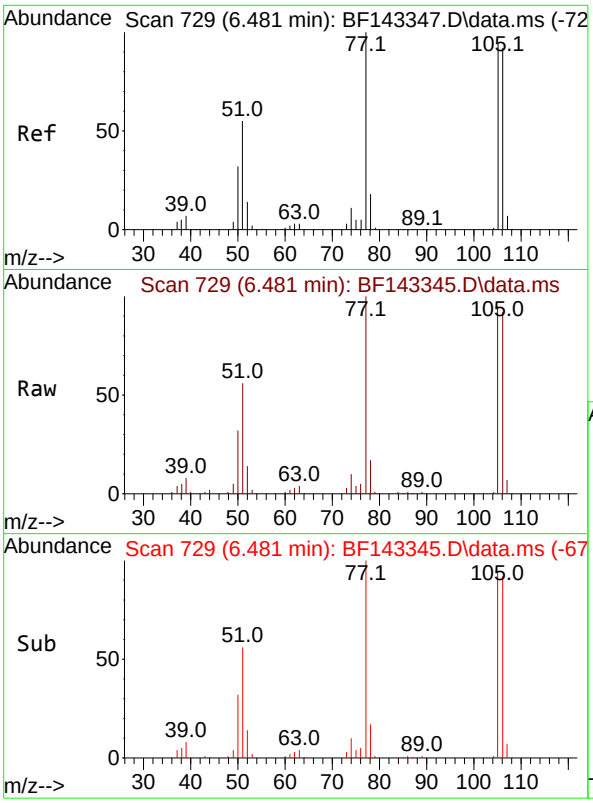


#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:128 Resp: 94079

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	53.4	36.7	76.7



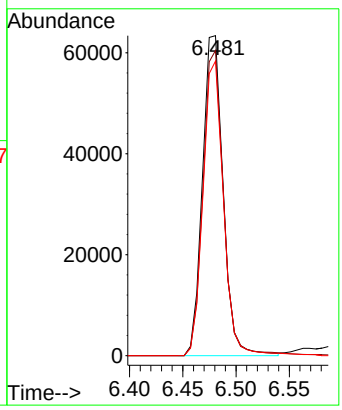


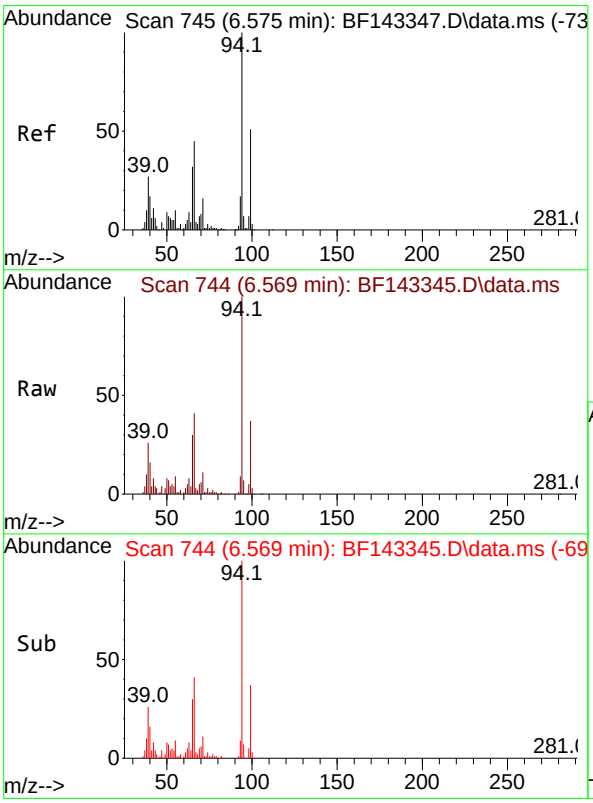
#9
Benzaldehyde
Concen: 11.315 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 85899

Ion	Ratio	Lower	Upper
77	100		
105	95.4	74.2	114.2
106	92.0	72.2	112.2

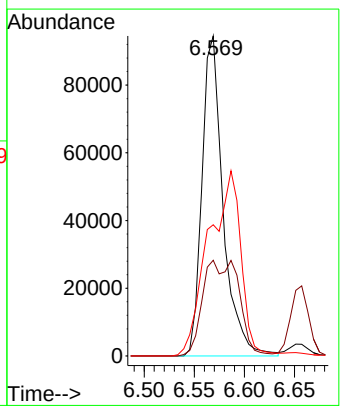


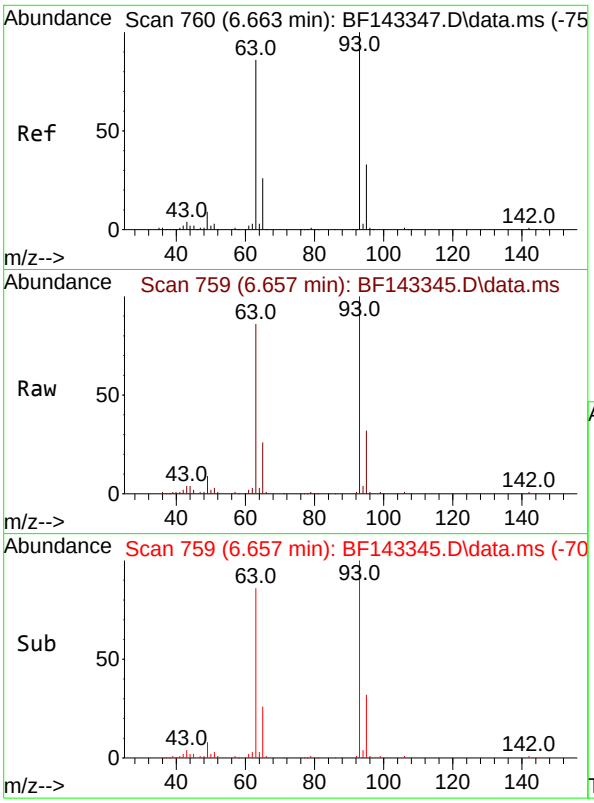


#10
Phenol
Concen: 10.195 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 94 Resp: 138719

Ion	Ratio	Lower	Upper
94	100		
65	29.9	12.0	52.0
66	41.0	25.6	65.6



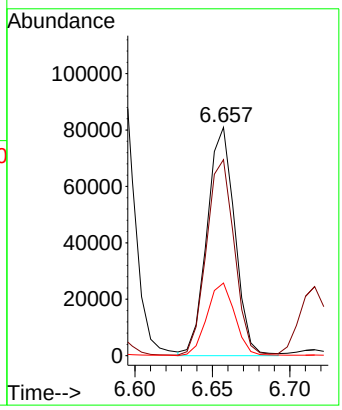


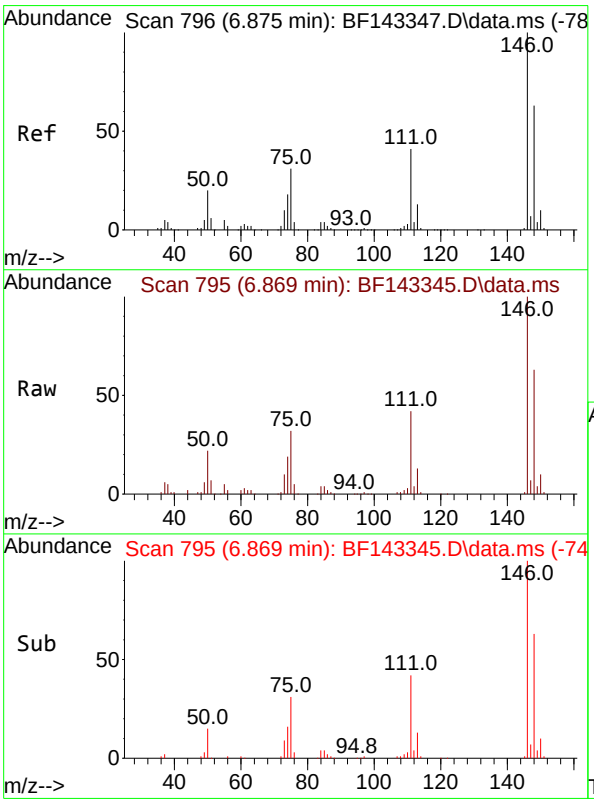
#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 100958

Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.7	105.7
95	31.8	13.0	53.0

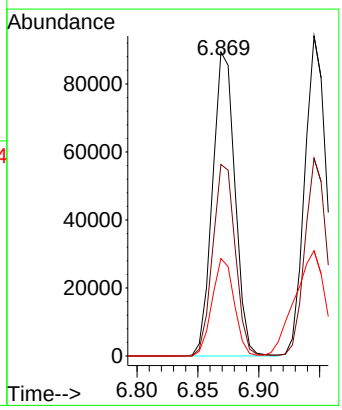


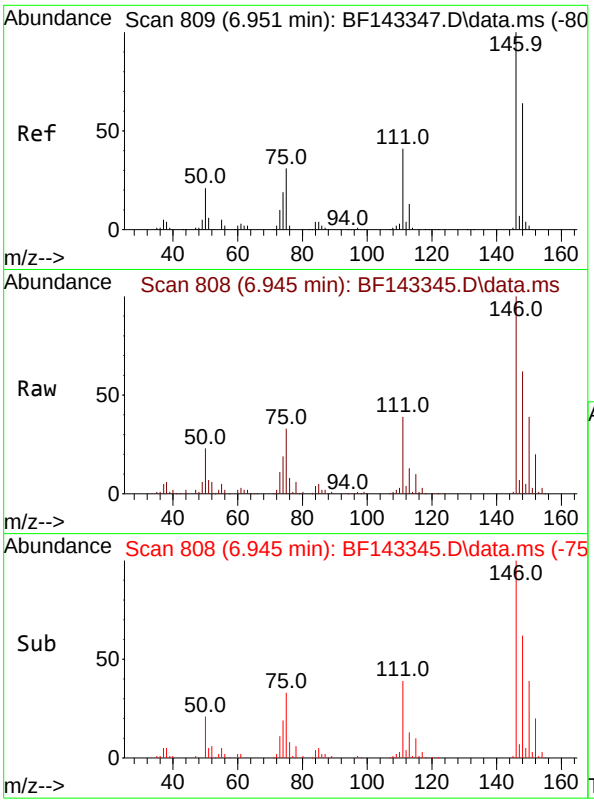


#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 114502

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
75	32.1	24.9	37.3



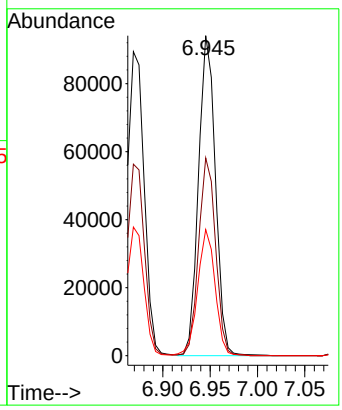


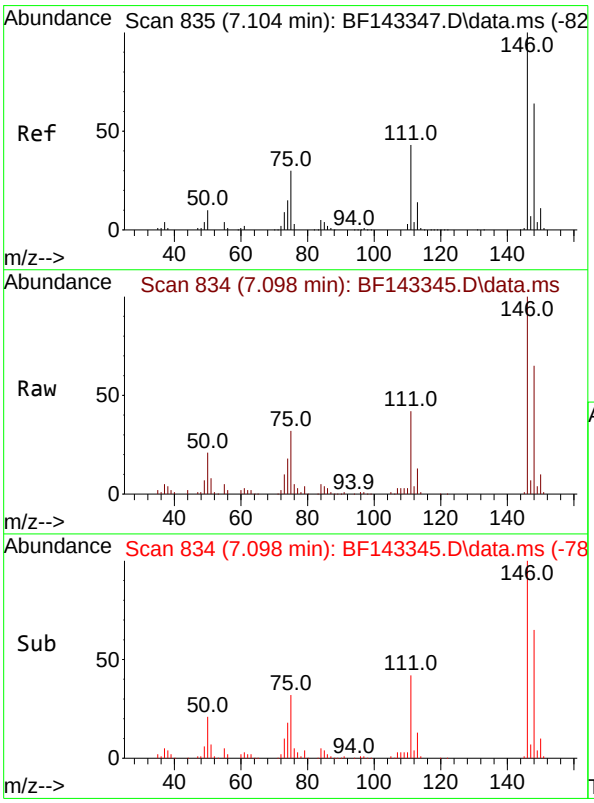
#13
1,4-Dichlorobenzene
Concen: 10.555 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 116940

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.4	77.0
111	39.4	32.6	48.8

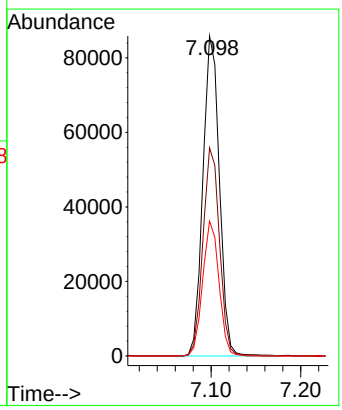


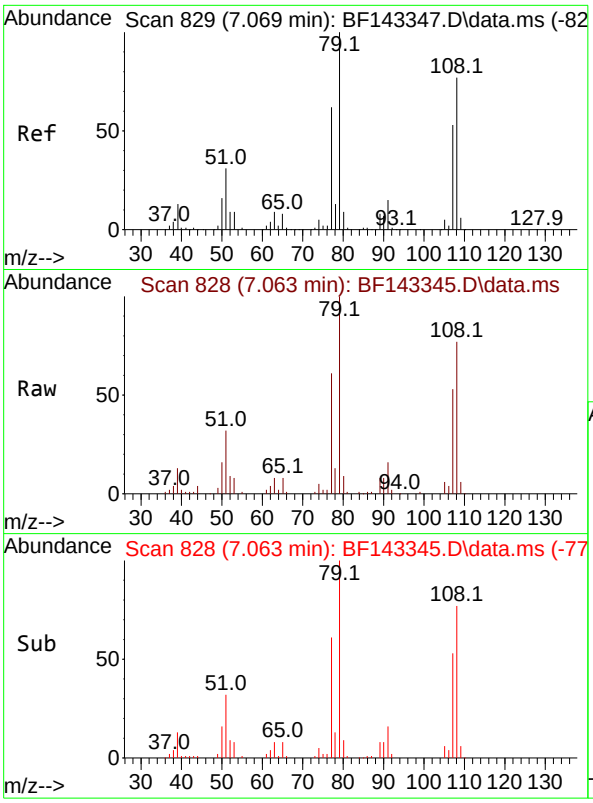


#14
1,2-Dichlorobenzene
Concen: 10.425 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 109638

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	42.2	34.1	51.1



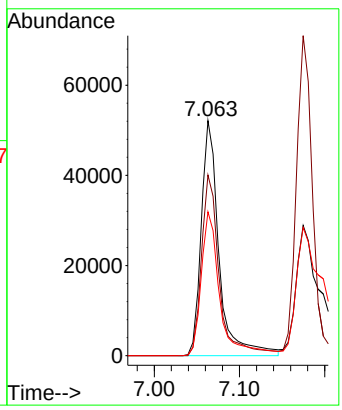


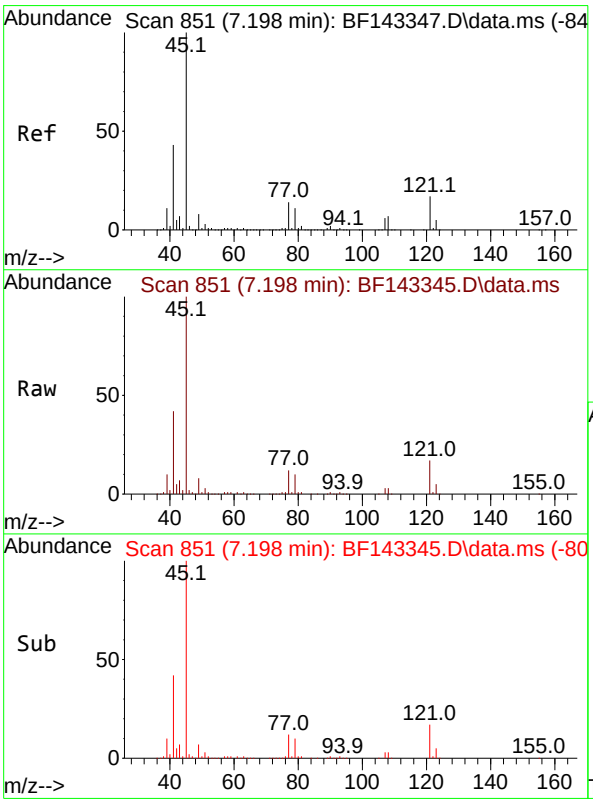
#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 75894

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8

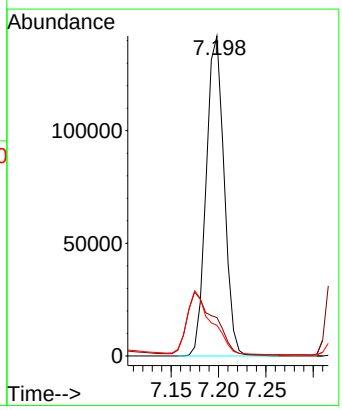


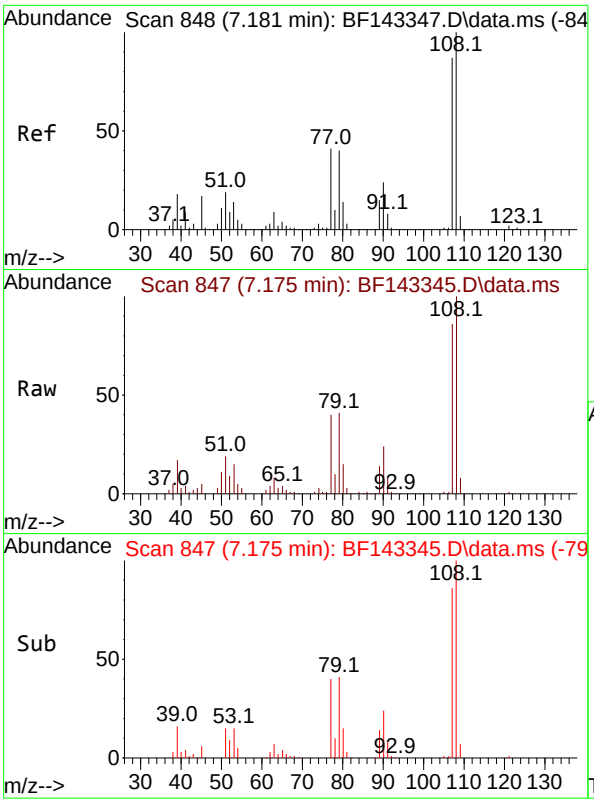


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 45 Resp: 186451

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1



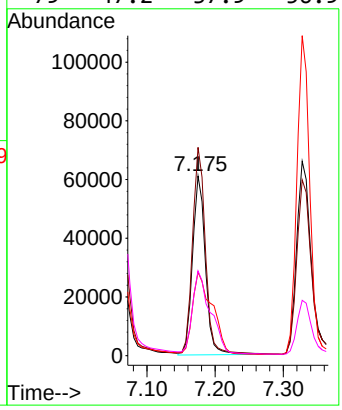


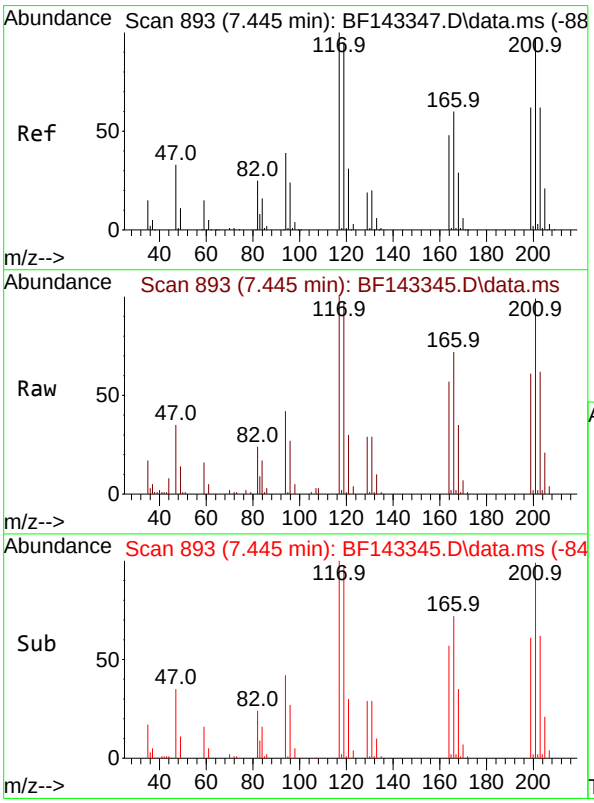
#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 80378

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.0	138.0
77	46.5	38.2	57.2
79	47.2	37.9	56.9

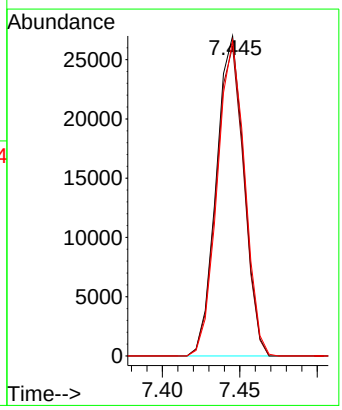


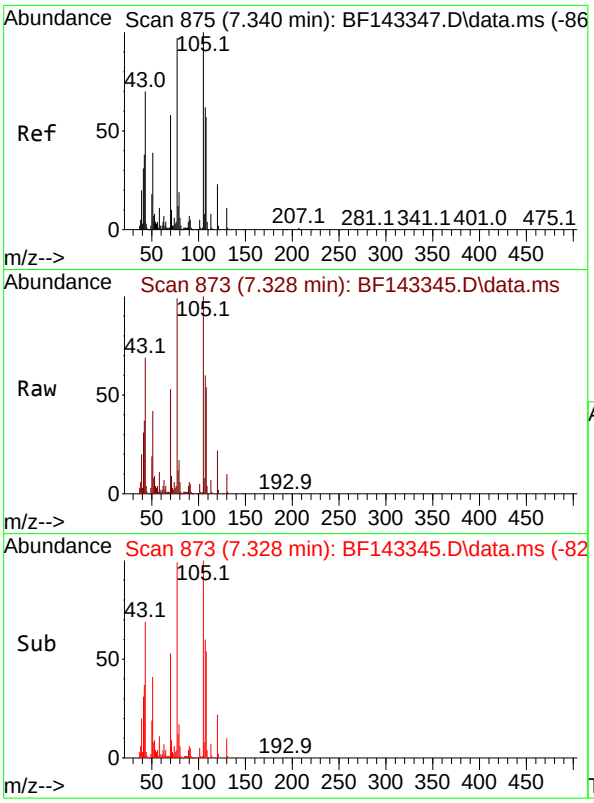


#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:117 Resp: 33555

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	98.6	77.2	115.8



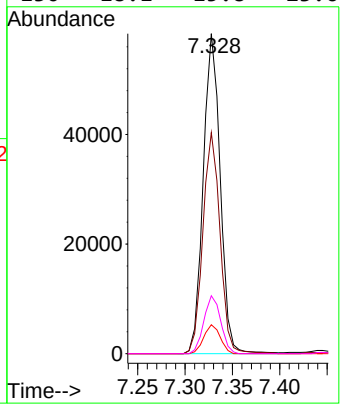


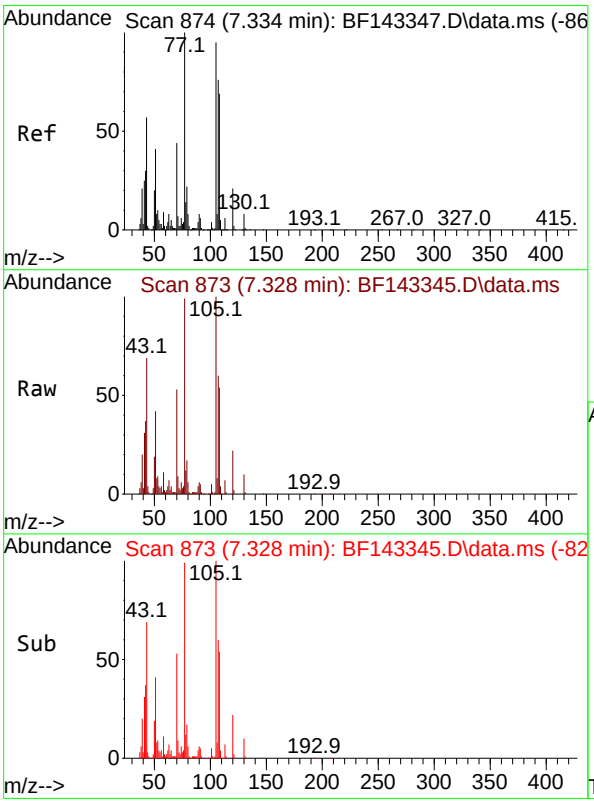
#19
n-Nitroso-di-n-propylamine
Concen: 10.275 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 72922

Ion	Ratio	Lower	Upper
70	100		
42	69.0	51.6	77.4
101	9.1	7.5	11.3
130	18.1	15.8	23.6

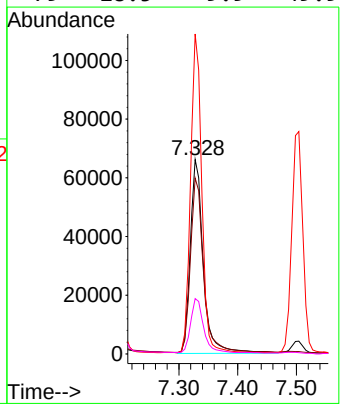


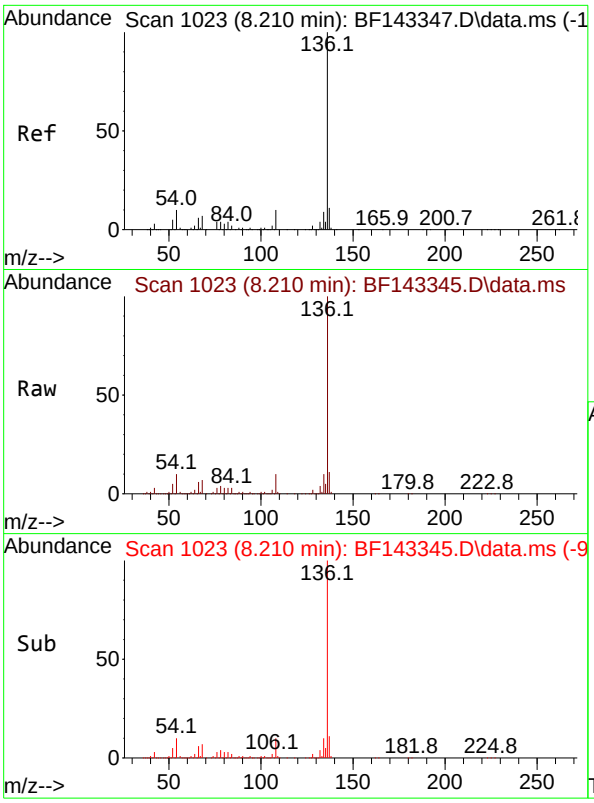


#20
3+4-Methylphenols
Concen: 10.548 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 103058

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.6	110.6
77	164.6	112.0	152.0#
79	28.5	9.9	49.9



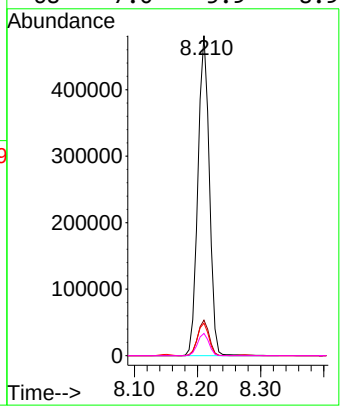


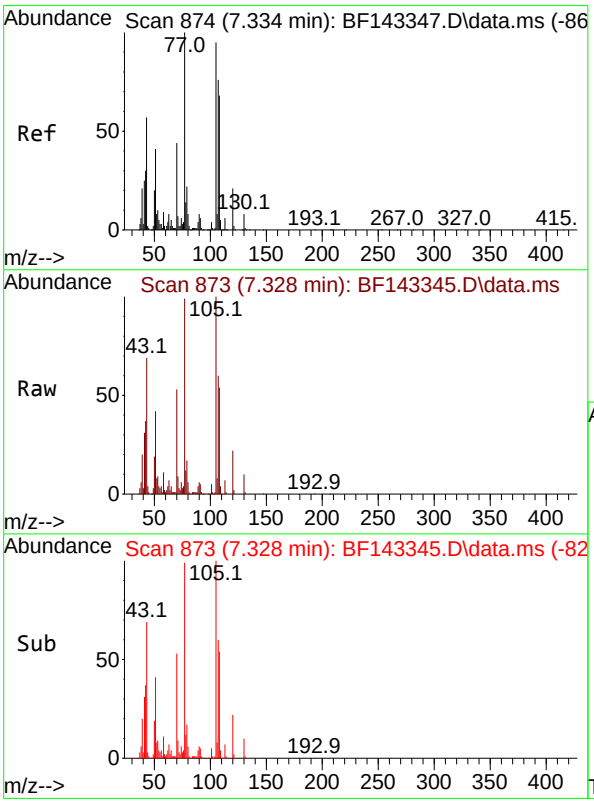
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 603685

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	8.4	12.6
68	7.0	5.9	8.9

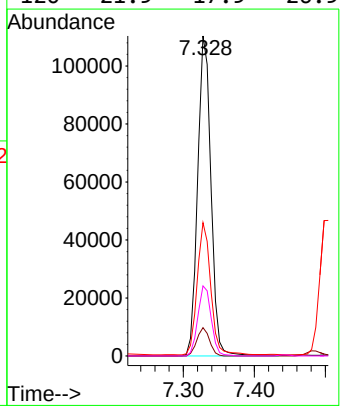


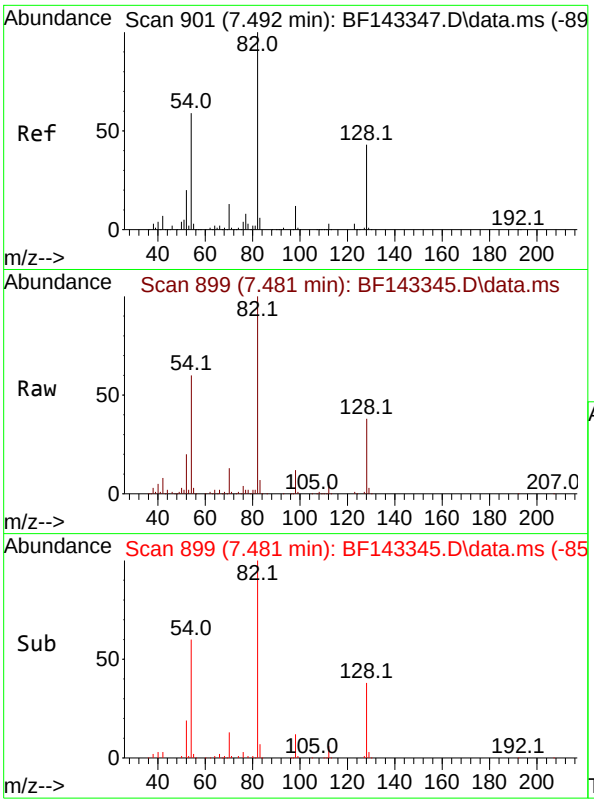


#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:105 Resp: 144189

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	41.6	34.8	52.2
120	21.9	17.9	26.9



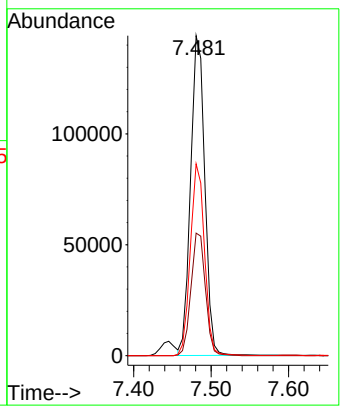


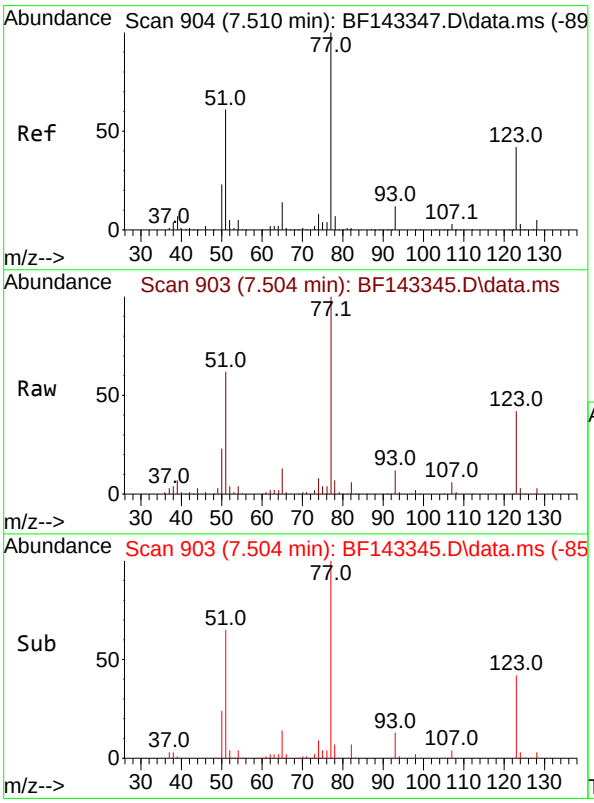
#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 183453

Ion	Ratio	Lower	Upper
82	100		
128	38.3	33.5	50.3
54	60.0	46.7	70.1

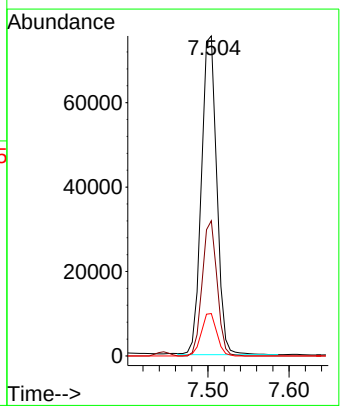


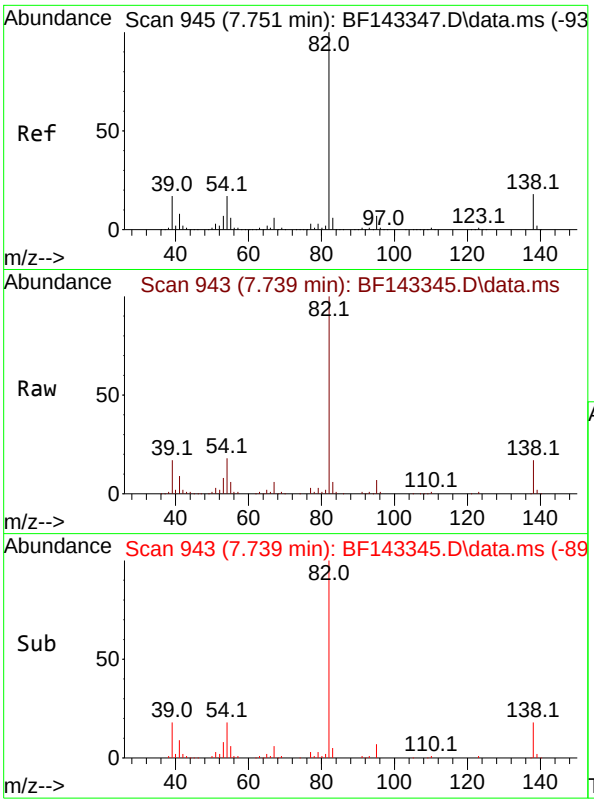


#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 99226

Ion	Ratio	Lower	Upper
77	100		
123	42.3	34.8	52.2
65	13.2	11.0	16.6



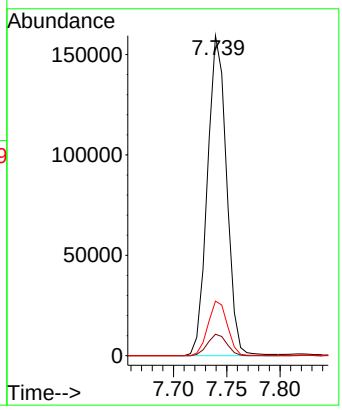


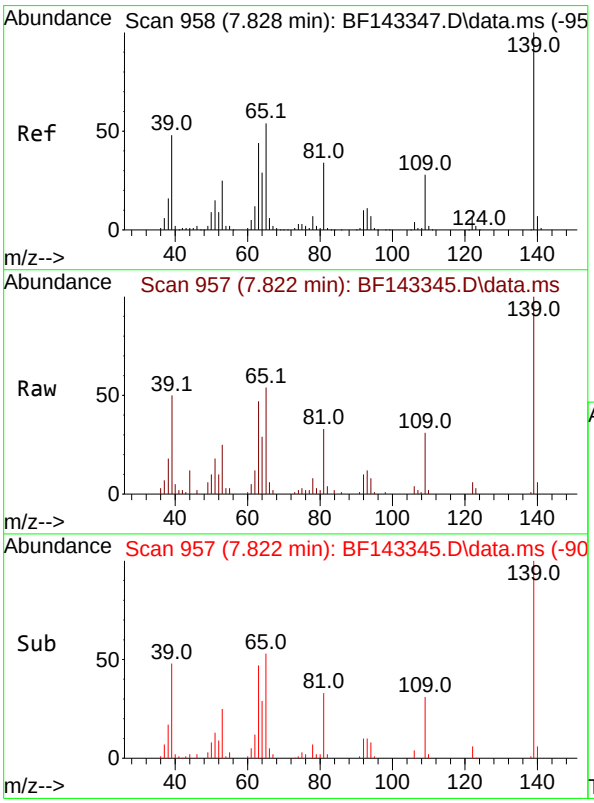
#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 199699

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	14.6	21.8

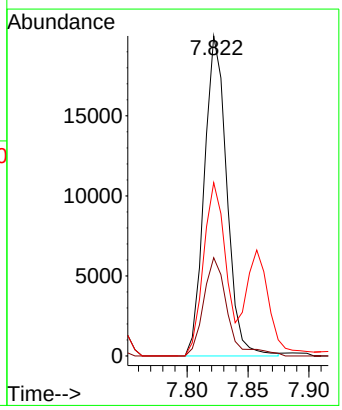


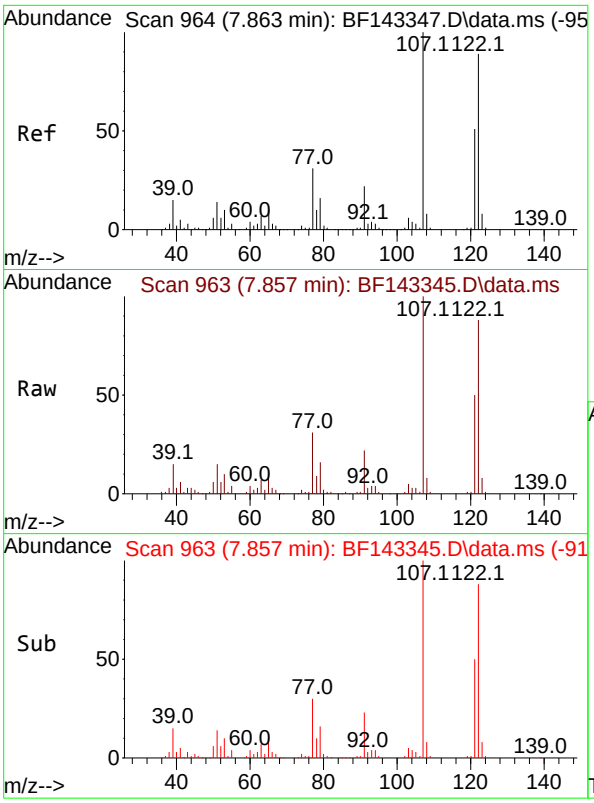


#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 25672

Ion	Ratio	Lower	Upper
139	100		
109	30.7	22.4	33.6
65	54.1	42.9	64.3



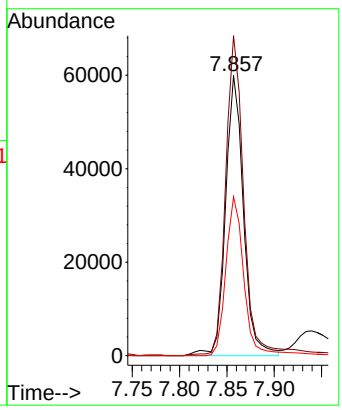


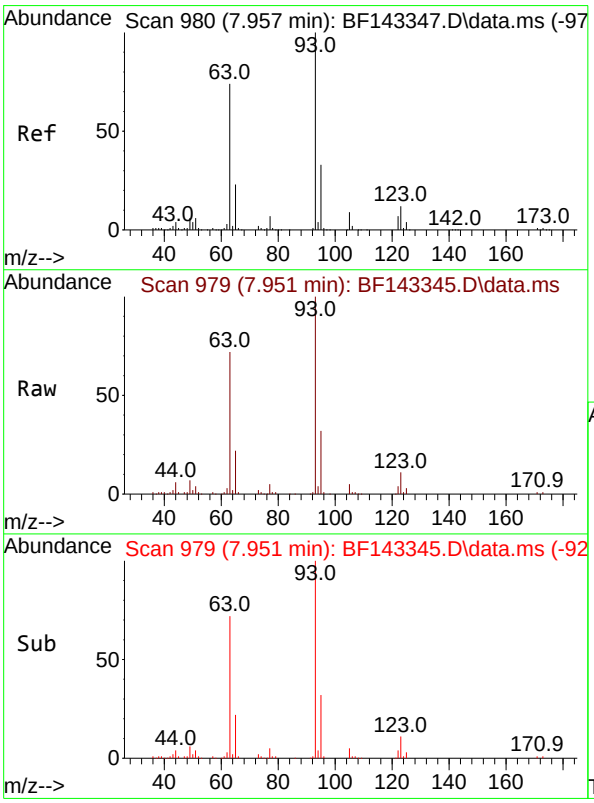
#27
2,4-Dimethylphenol
Concen: 9.553 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 78873

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4

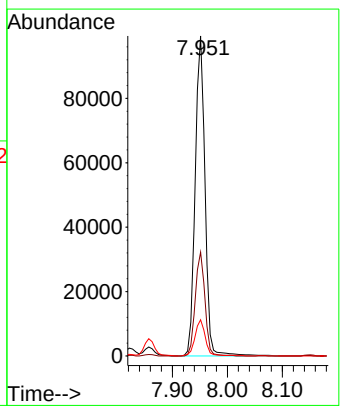


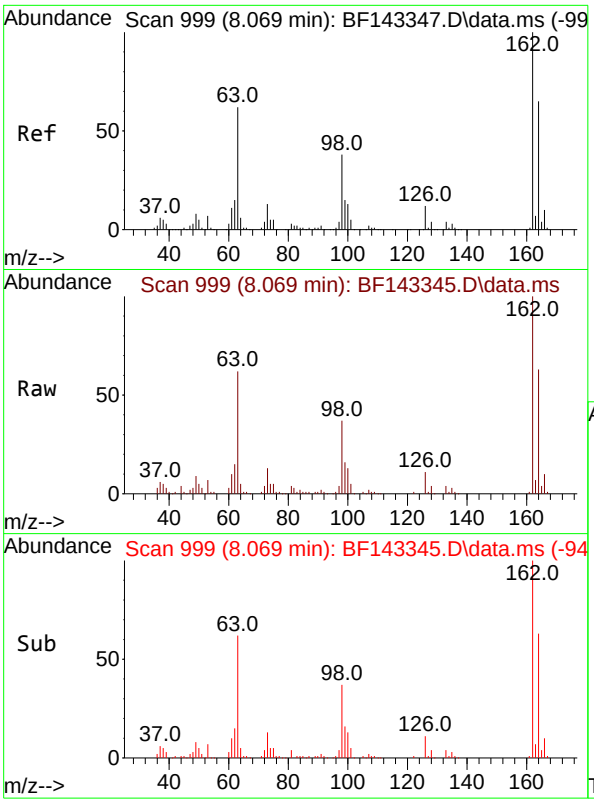


#28
bis(2-Chloroethoxy)methane
Concen: 10.232 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 123627

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2



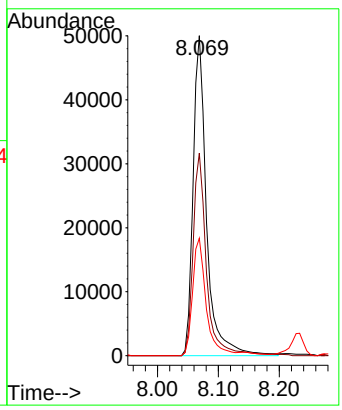


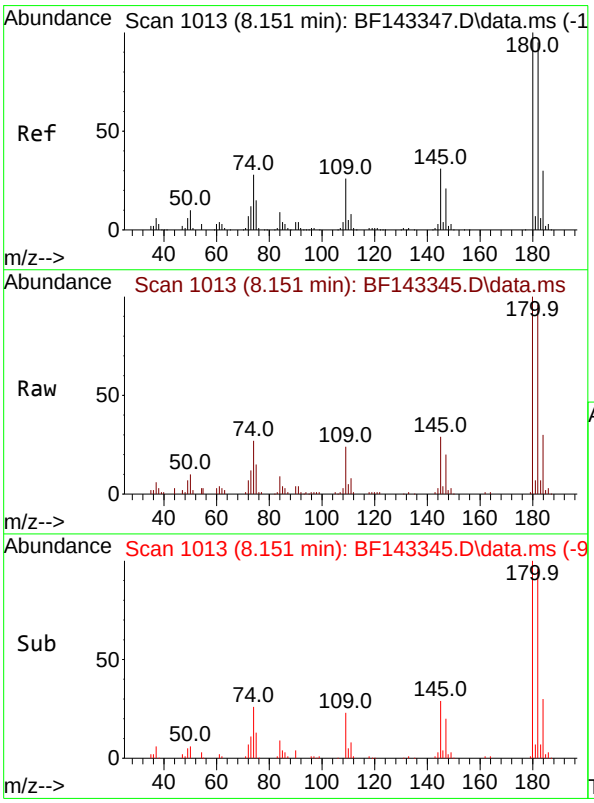
#29
2,4-Dichlorophenol
Concen: 9.568 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 77156

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.5	84.5
98	36.7	17.7	57.7

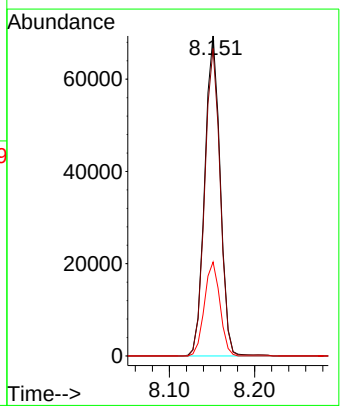


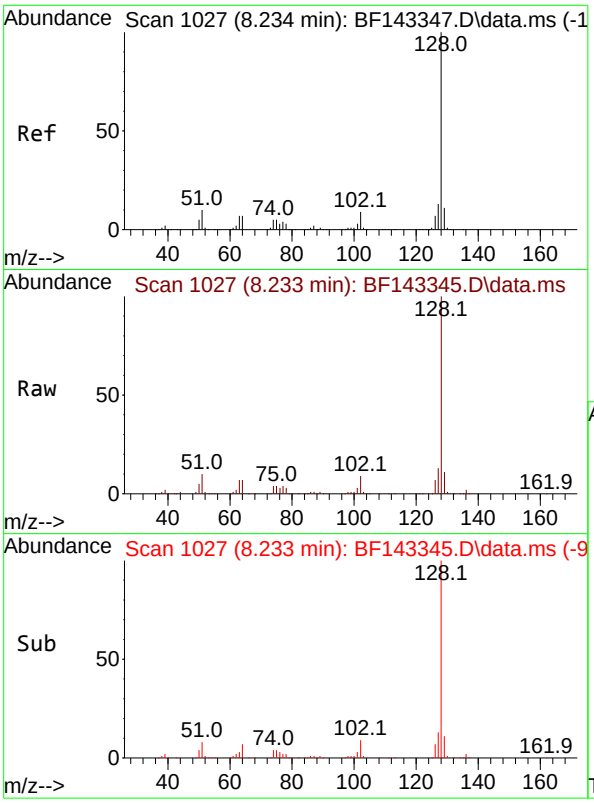


#30
1,2,4-Trichlorobenzene
Concen: 10.274 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:180 Resp: 87392

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	29.4	24.9	37.3



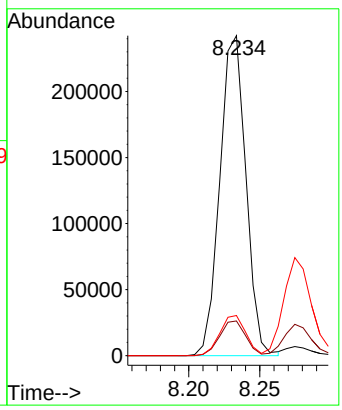


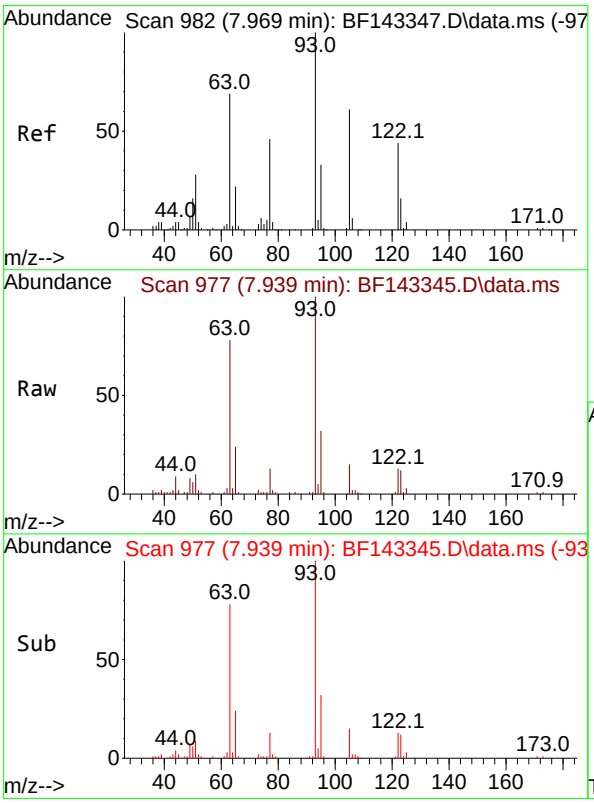
#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 308901

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.6	10.7	16.1

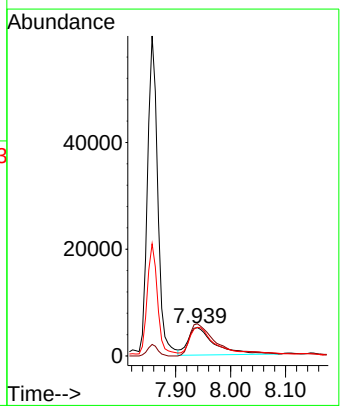


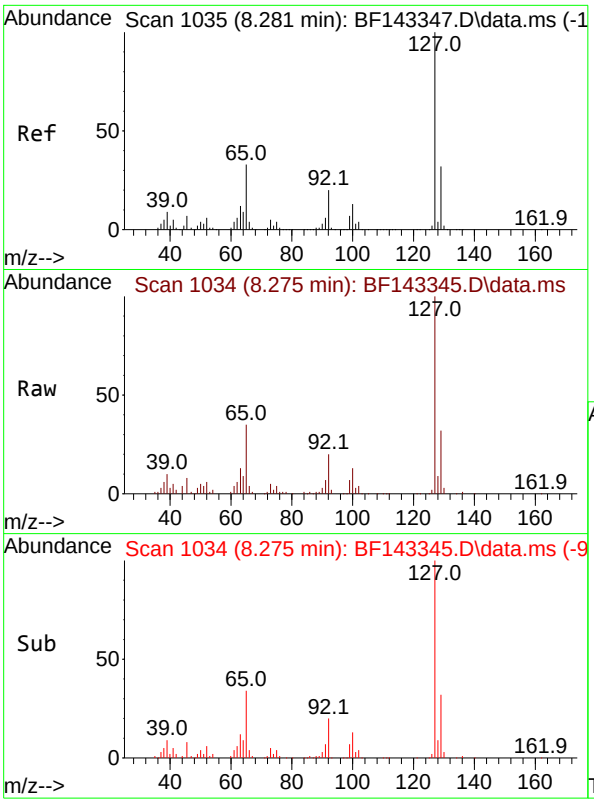


#32
Benzoic acid
Concen: 9.156 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 17211

Ion	Ratio	Lower	Upper
122	100		
105	113.7	106.4	146.4
77	101.1	79.2	119.2



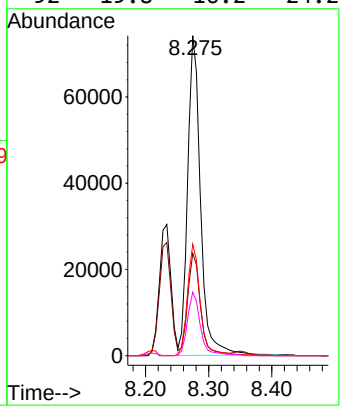


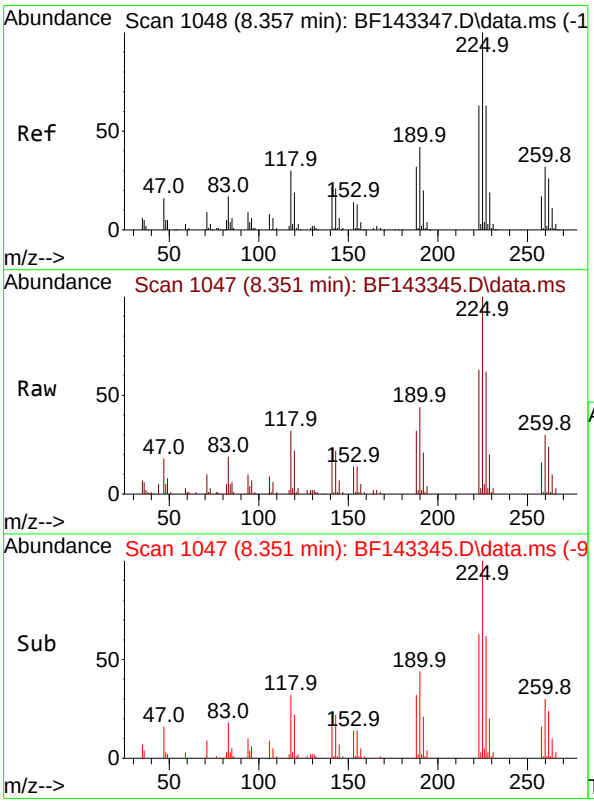
#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 105601

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2

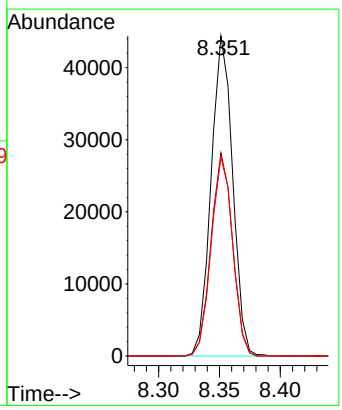


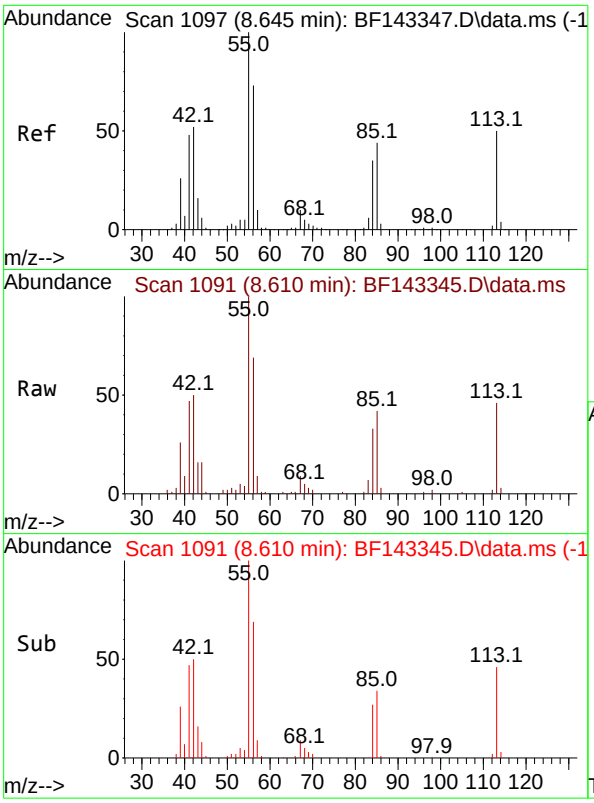


#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:225 Resp: 54615

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8



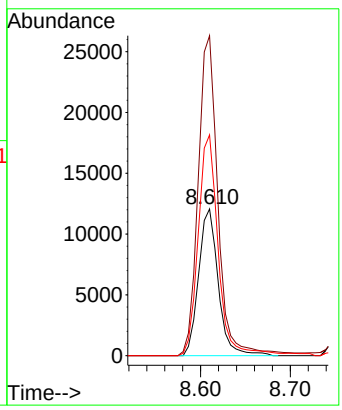


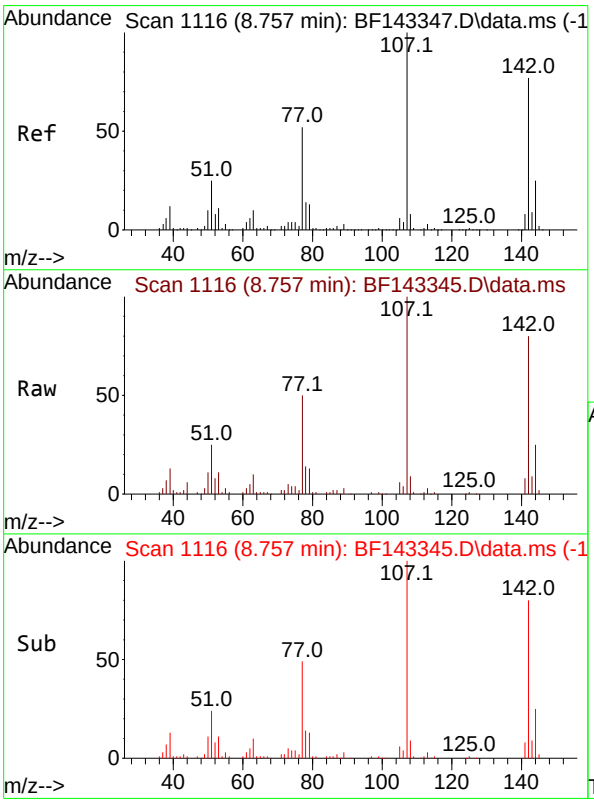
#35
Caprolactam
Concen: 8.098 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 18357

Ion	Ratio	Lower	Upper
113	100		
55	218.1	181.4	221.4
56	150.5	127.3	167.3

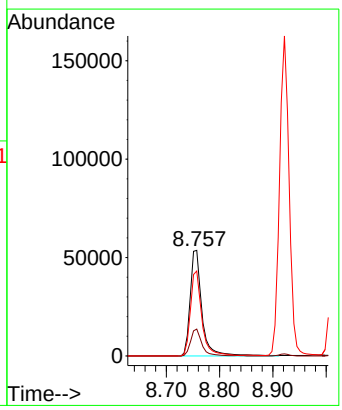


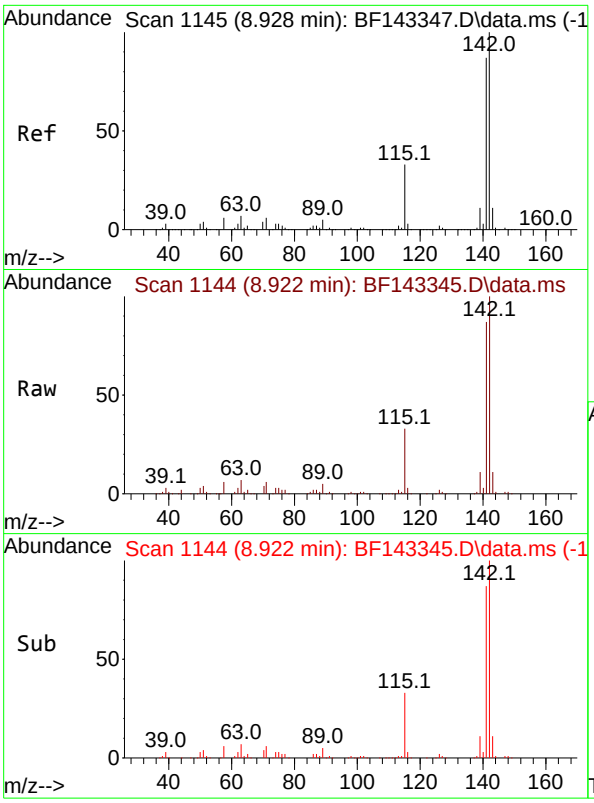


#36
4-Chloro-3-methylphenol
Concen: 9.780 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 82681

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	80.4	61.3	91.9



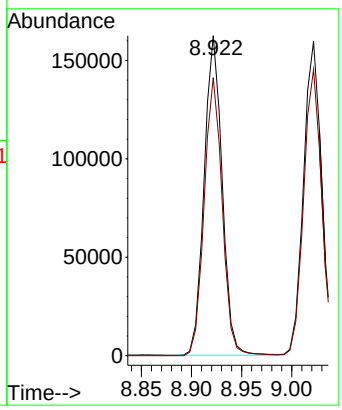


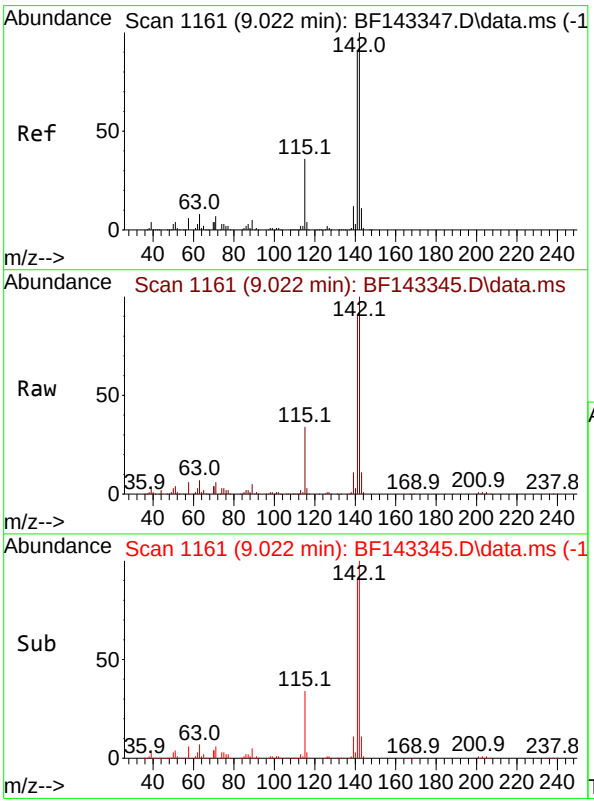
#37
2-Methylnaphthalene
Concen: 10.641 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 203203

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.8	104.8

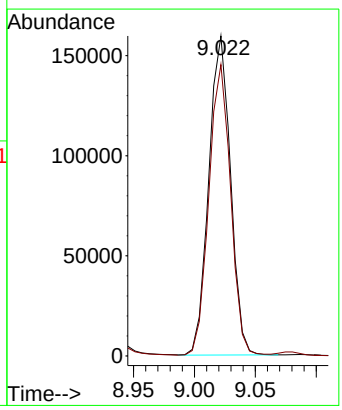


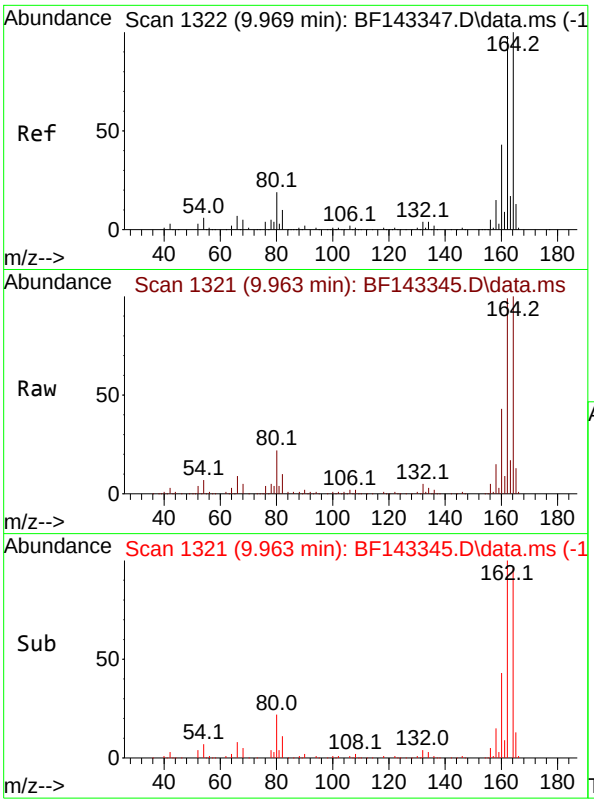


#38
1-Methylnaphthalene
Concen: 10.738 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 197497

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.4



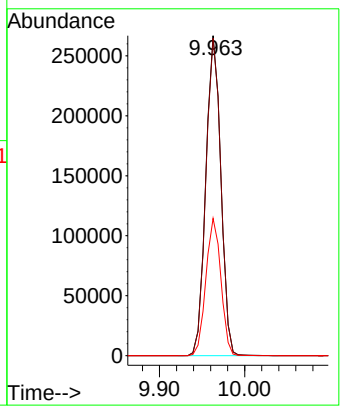


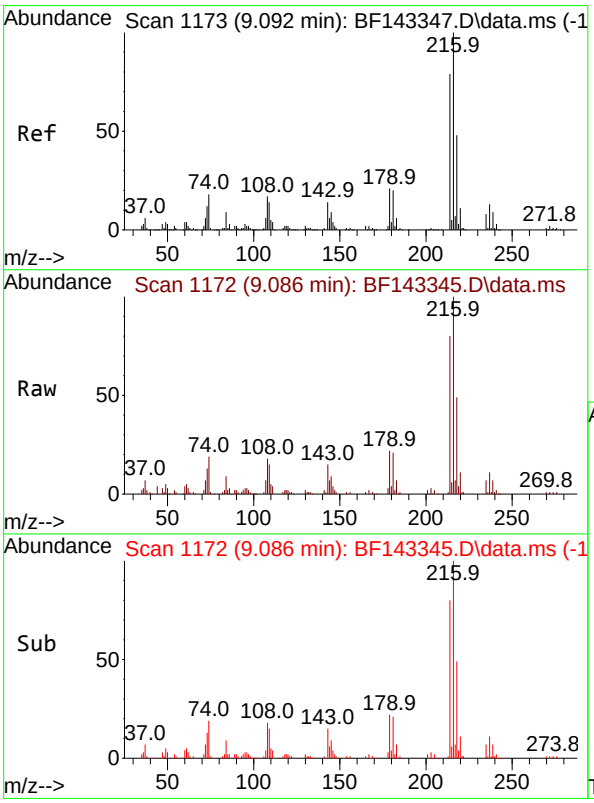
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 326305

Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.6	118.0
160	42.9	34.4	51.6

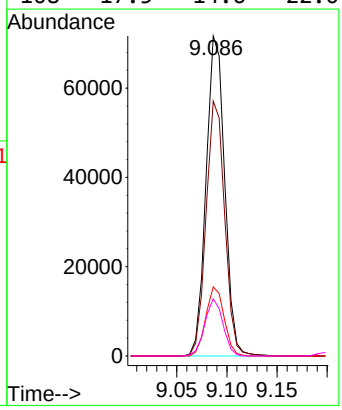


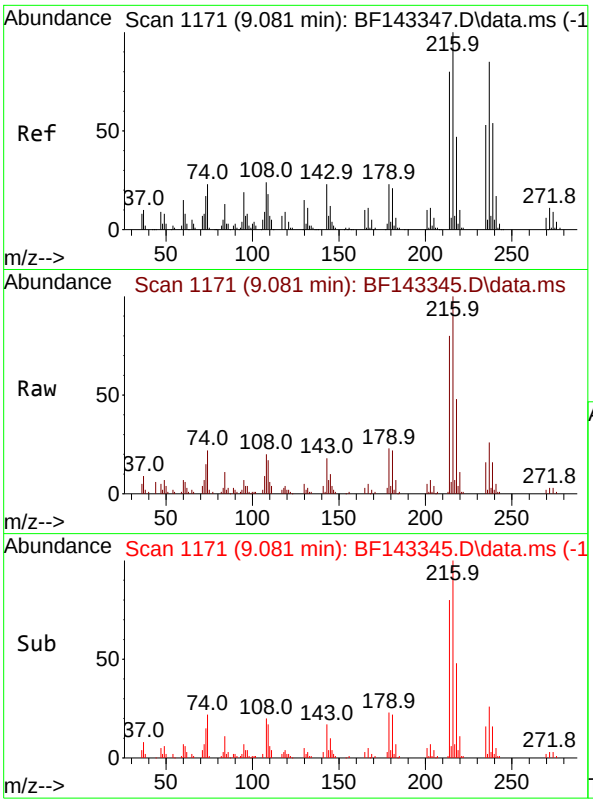


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.338 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:216 Resp: 92307

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.0	94.4
179	21.3	17.0	25.4
108	17.5	14.6	22.0



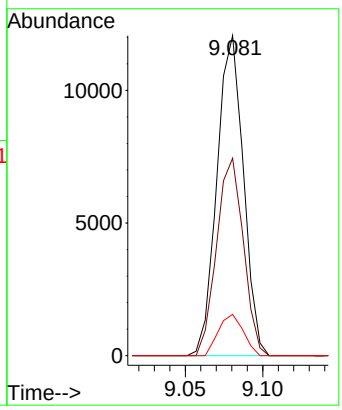


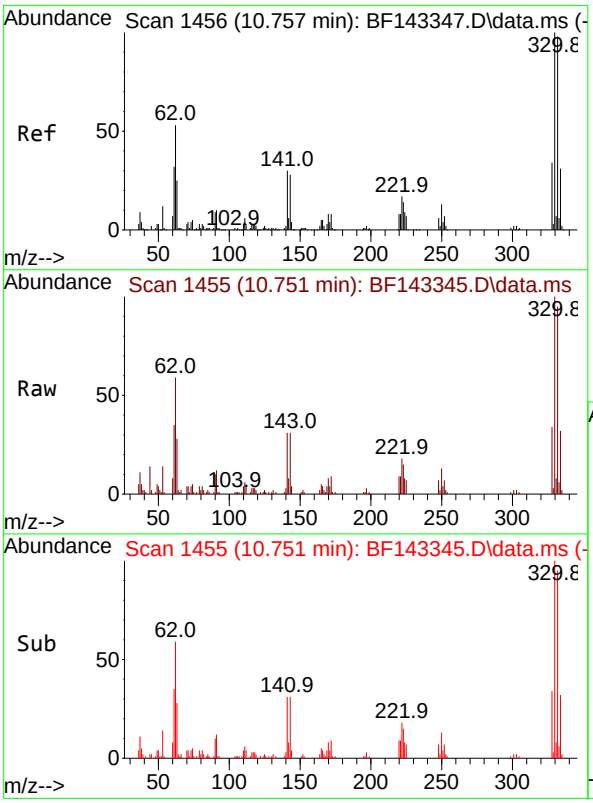
#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 14343

Ion	Ratio	Lower	Upper
237	100		
235	61.7	42.0	82.0
272	12.9	0.0	32.6

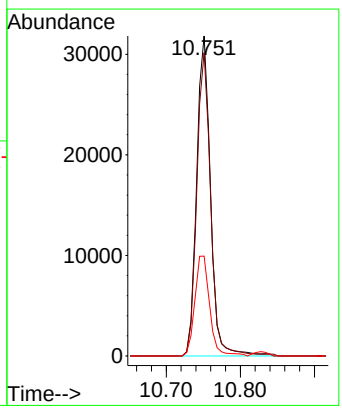


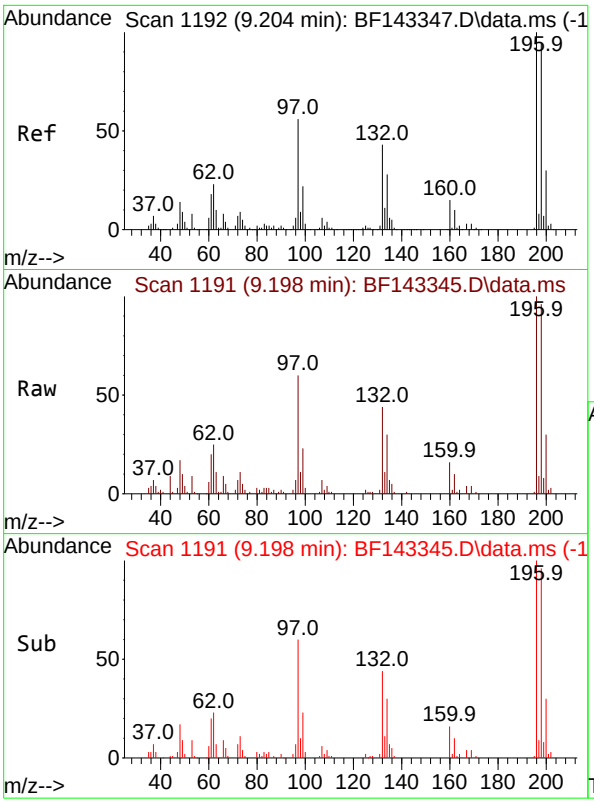


#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:330 Resp: 41296

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.1	117.1
141	33.4	25.4	38.0



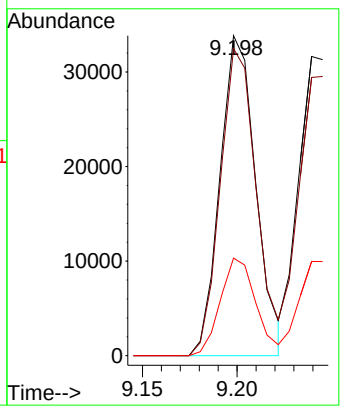


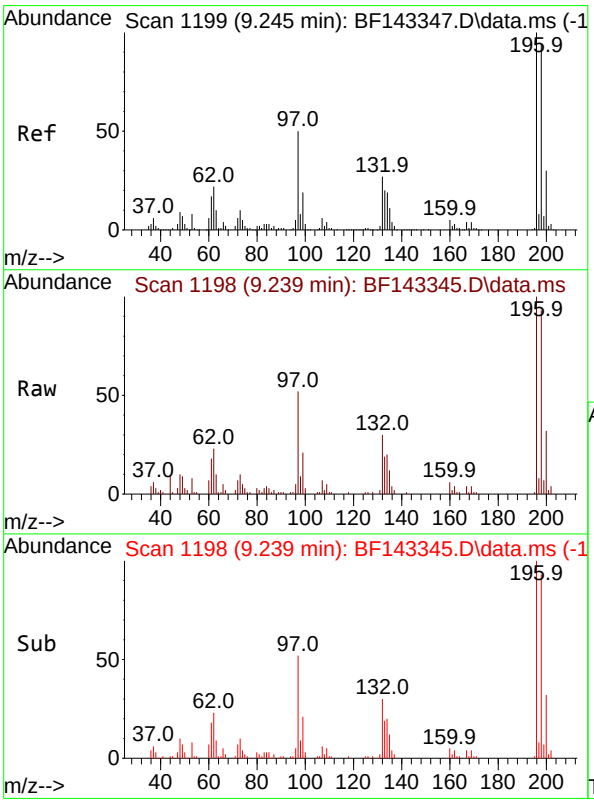
#43
2,4,6-Trichlorophenol
Concen: 8.769 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 44424

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.0
200	30.5	24.3	36.5

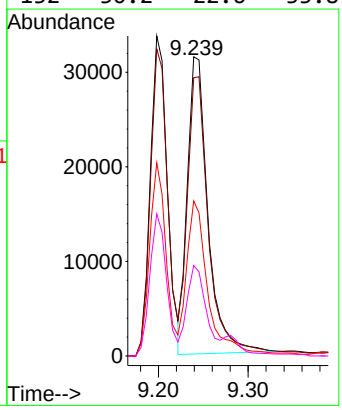


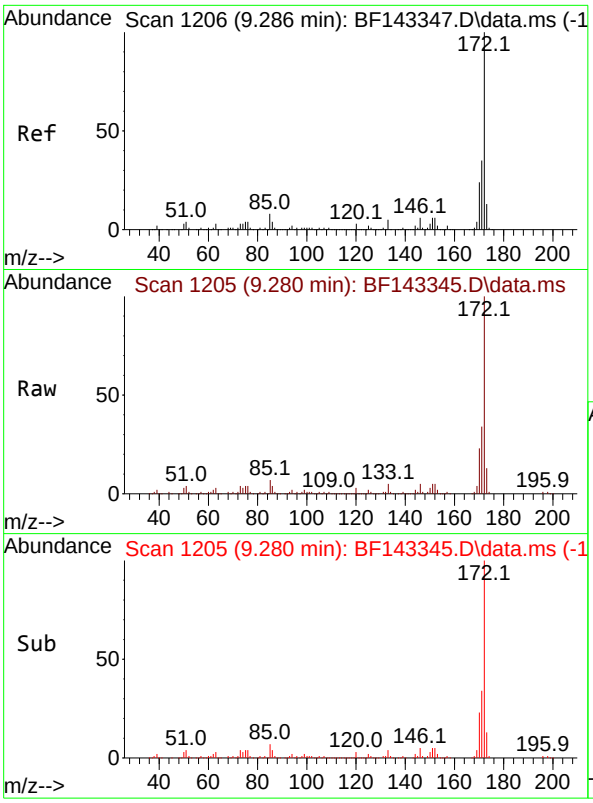


#44
2,4,5-Trichlorophenol
Concen: 8.786 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

Ion	Ratio	Lower	Upper
196	100		
198	93.0	75.4	113.2
97	51.8	39.9	59.9
132	30.2	22.6	33.8



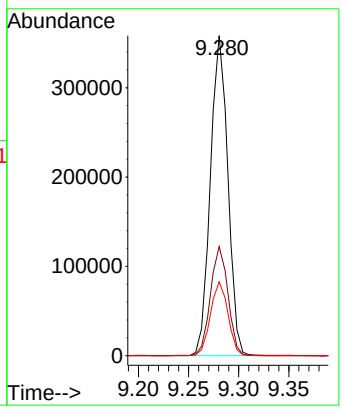


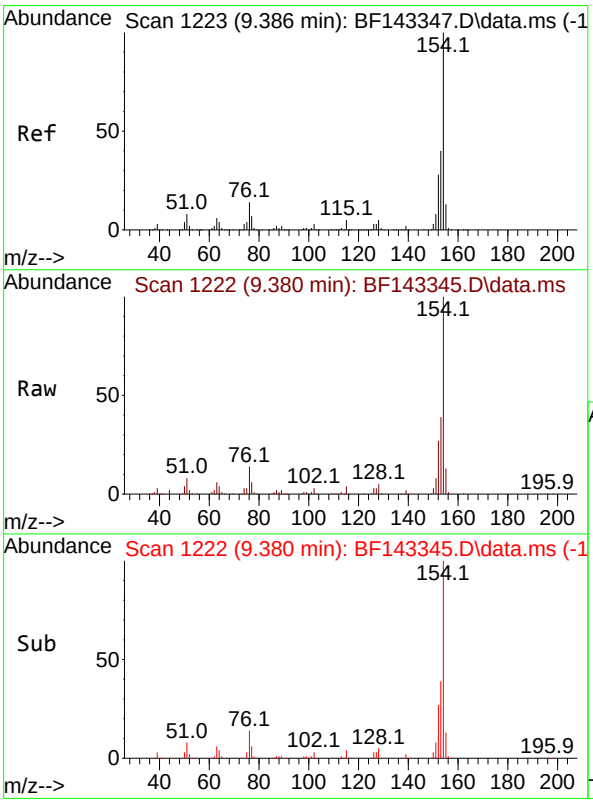
#45
2-Fluorobiphenyl
Concen: 22.583 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 434554

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.4	42.6
170	23.1	19.1	28.7

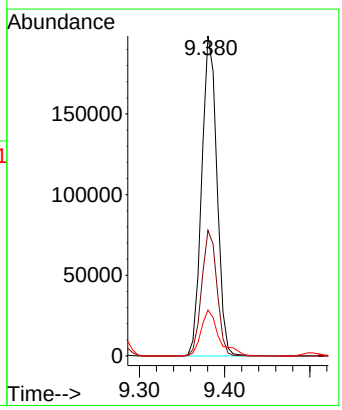


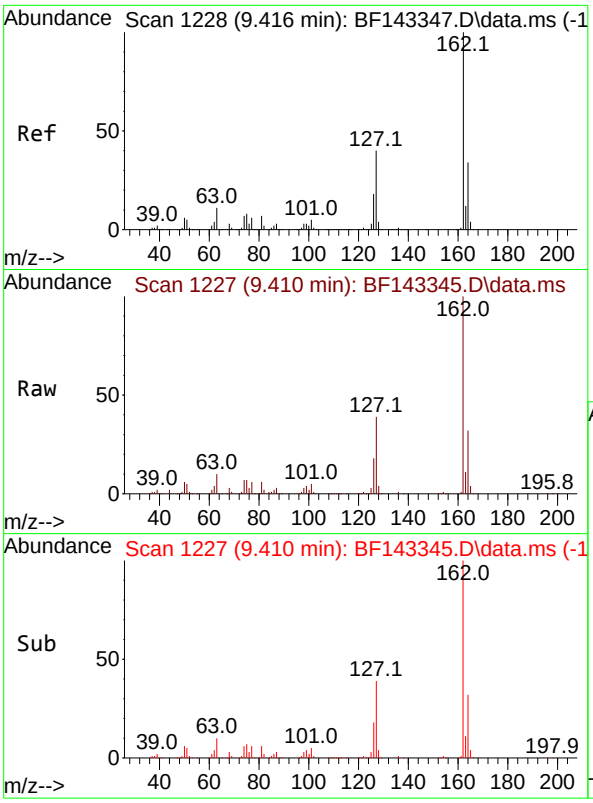


#46
1,1'-Biphenyl
Concen: 10.647 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 245641

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.2	60.2
76	14.4	0.0	34.4



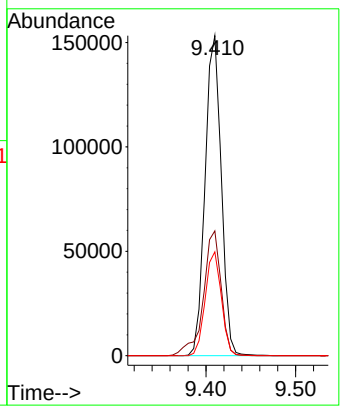


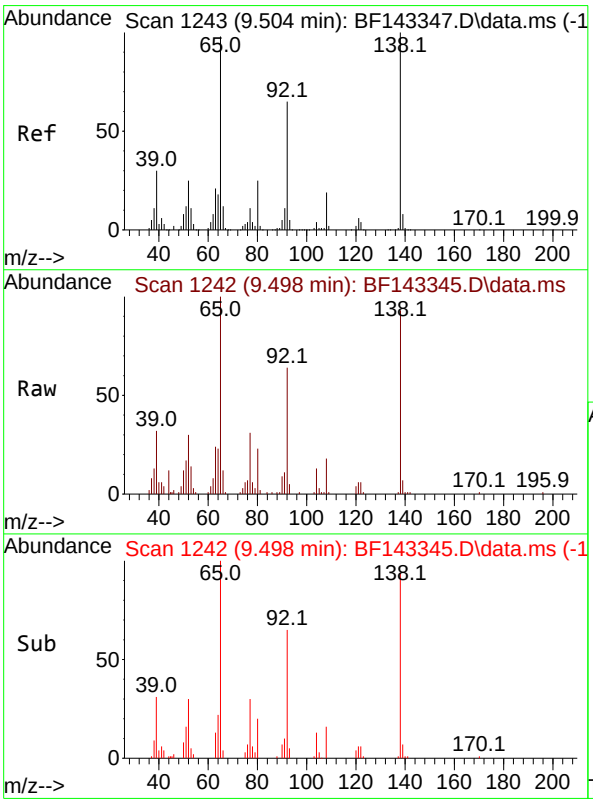
#47
2-Chloronaphthalene
Concen: 10.556 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 191809

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.1	48.1
164	32.5	27.0	40.4

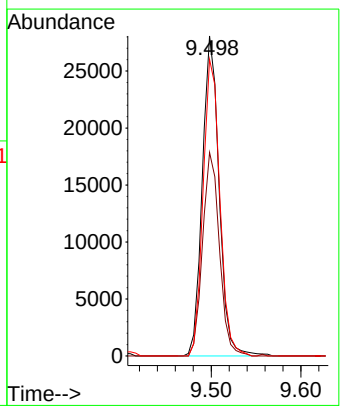


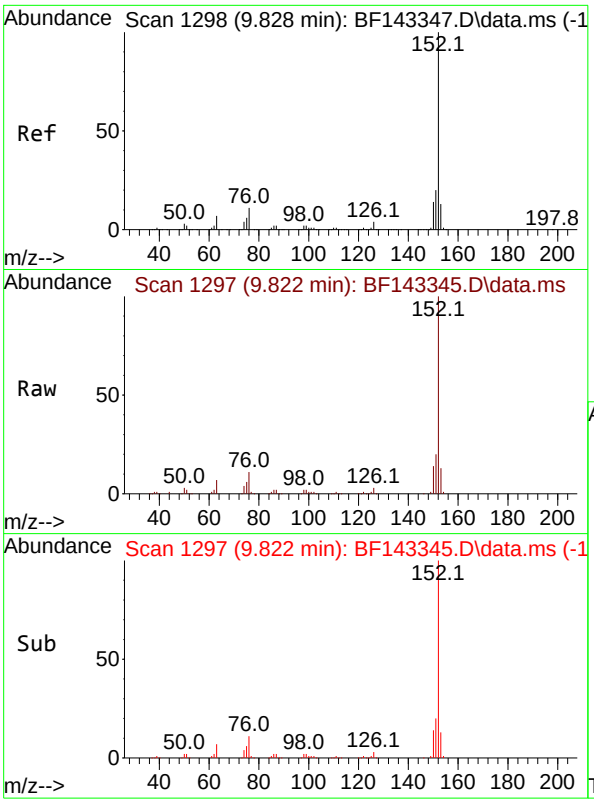


#48
2-Nitroaniline
Concen: 9.319 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 65 Resp: 36444

Ion	Ratio	Lower	Upper
65	100		
92	63.6	53.1	79.7
138	92.7	81.4	122.0



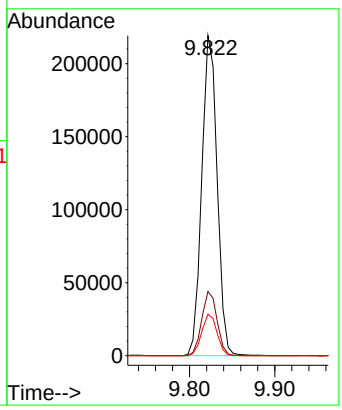


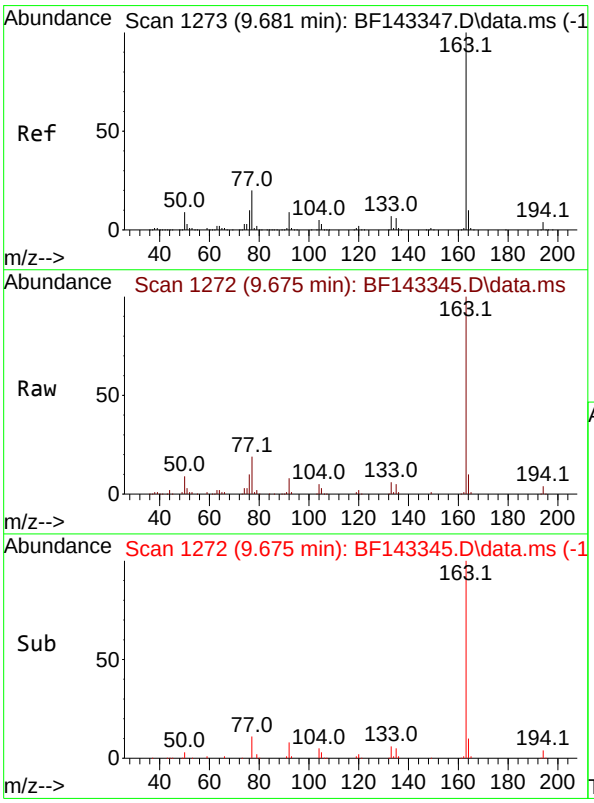
#49
Acenaphthylene
Concen: 10.459 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 274441

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.0	10.6	16.0

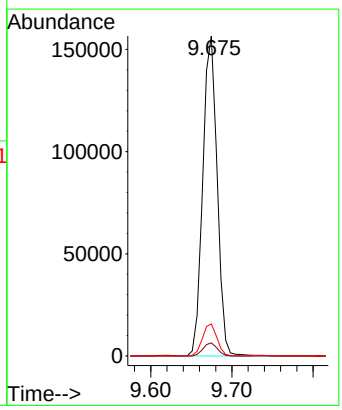


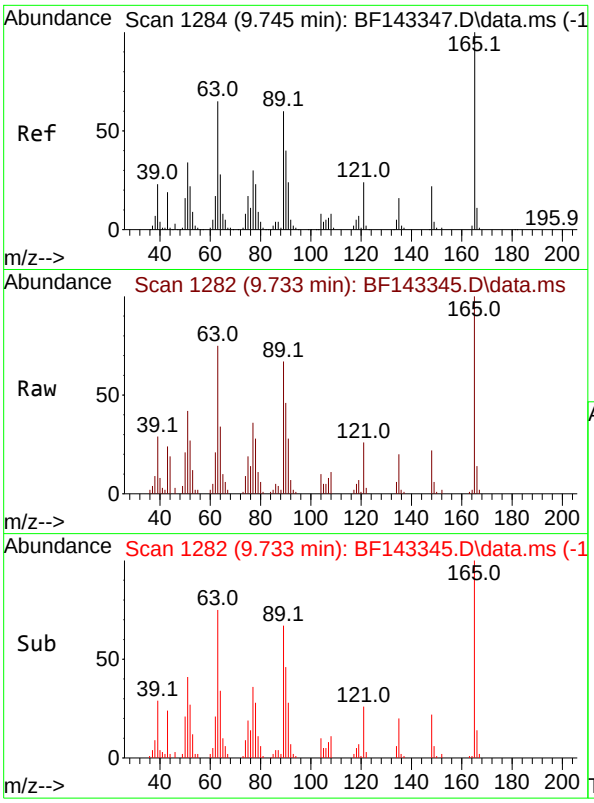


#50
Dimethylphthalate
Concen: 10.081 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2



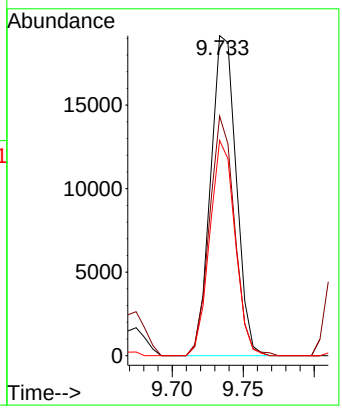


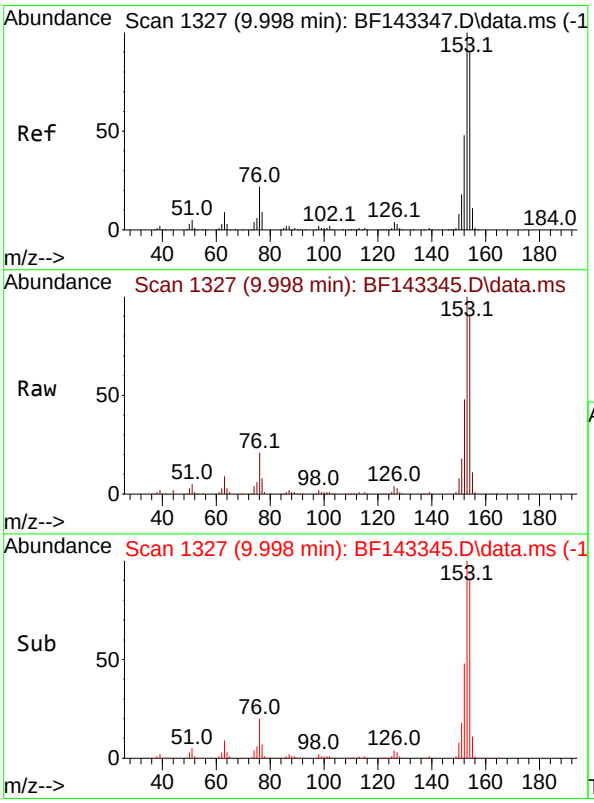
#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 24005

Ion	Ratio	Lower	Upper
165	100		
63	74.8	51.6	77.4
89	67.3	47.7	71.5

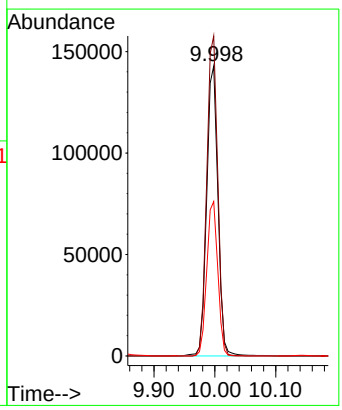


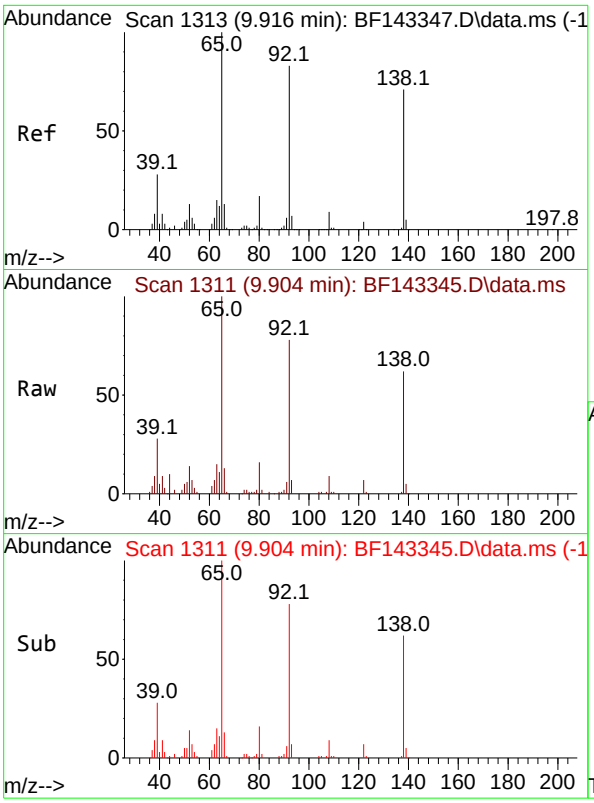


#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 183915

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.5	132.7
152	53.3	42.4	63.6



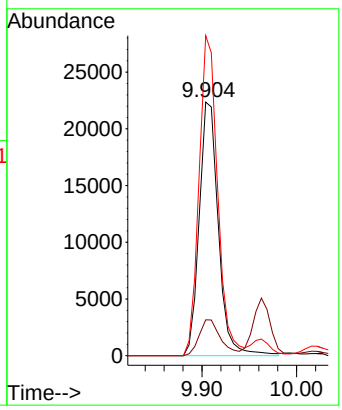


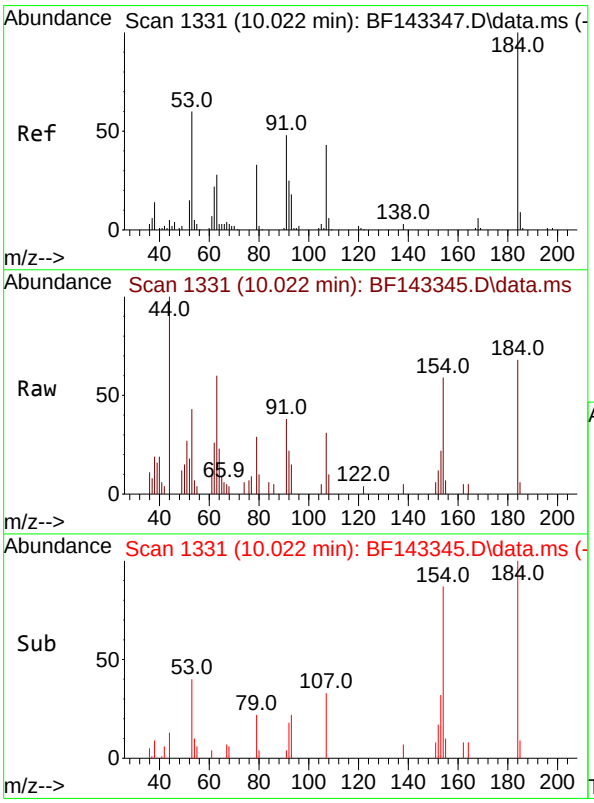
#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 31507

Ion	Ratio	Lower	Upper
138	100		
108	14.1	9.6	14.4
92	126.2	93.4	140.2

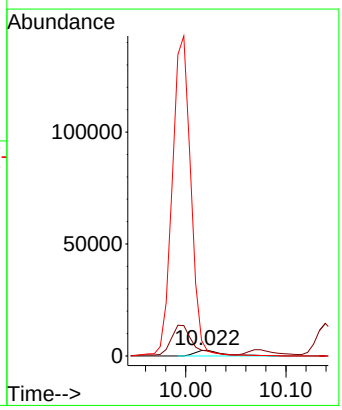


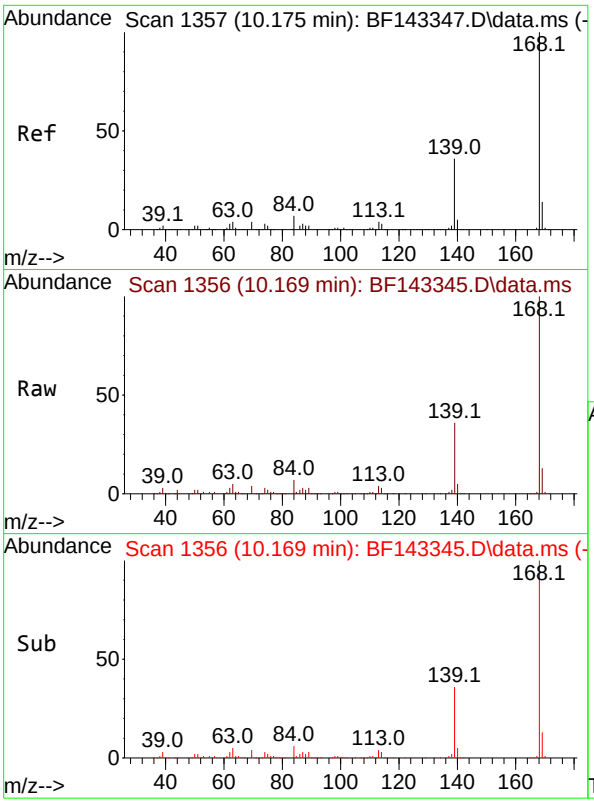


#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 4834

Ion	Ratio	Lower	Upper
184	100		
63	88.5	62.5	93.7
154	87.3	73.0	109.4



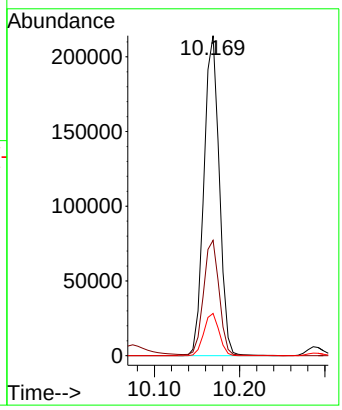


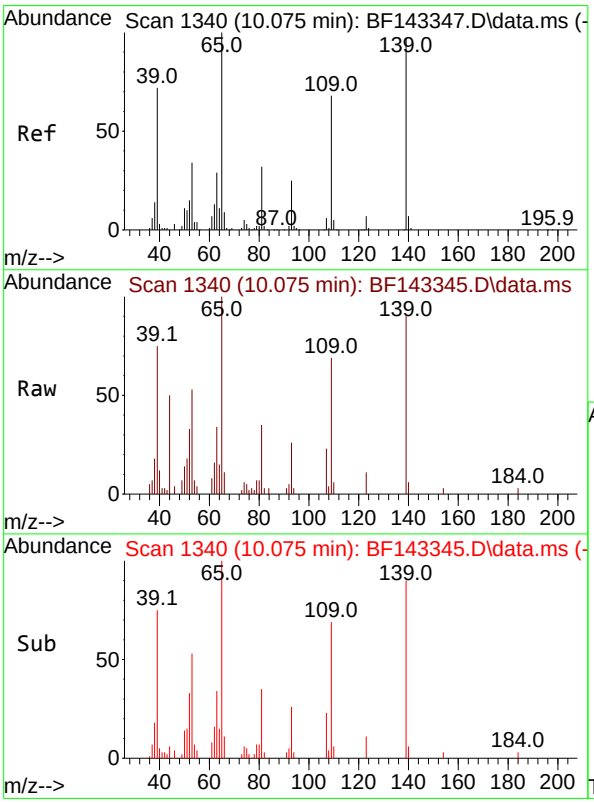
#55
Dibenzofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 267653

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.4	44.0
169	13.2	11.0	16.6

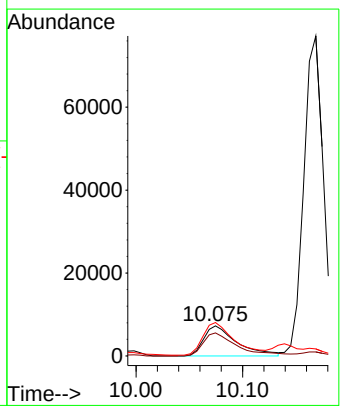


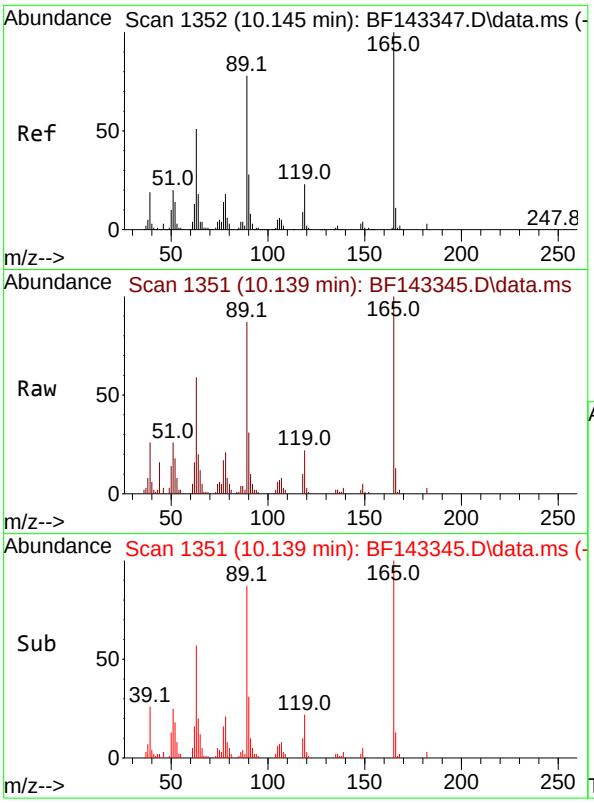


#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 15708

Ion	Ratio	Lower	Upper
139	100		
109	76.4	49.4	89.4
65	111.1	83.7	123.7



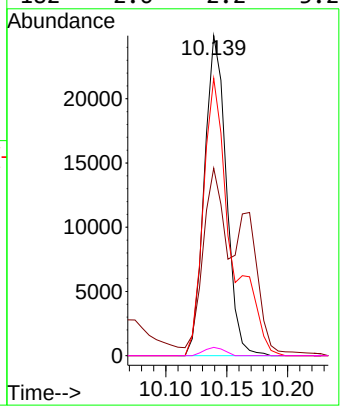


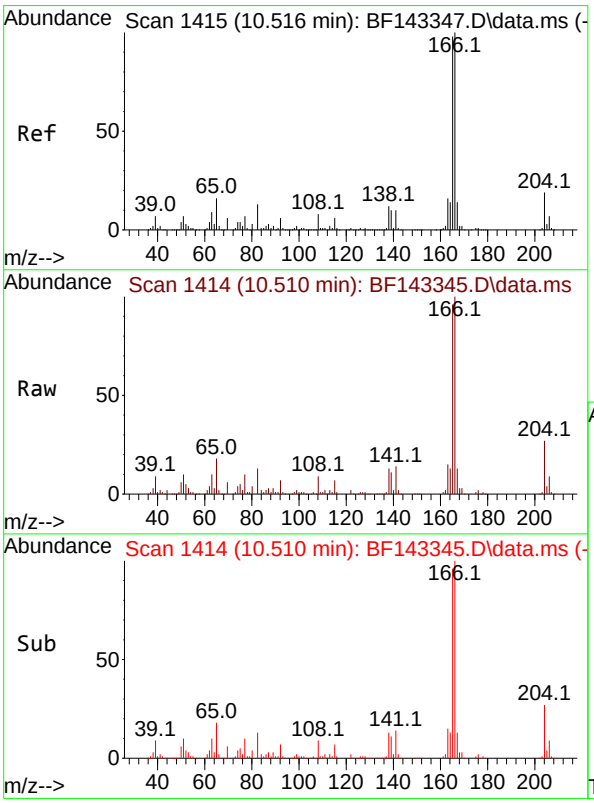
#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 31226

Ion	Ratio	Lower	Upper
165	100		
63	58.6	41.8	62.8
89	86.7	62.4	93.6
182	2.6	2.2	3.2

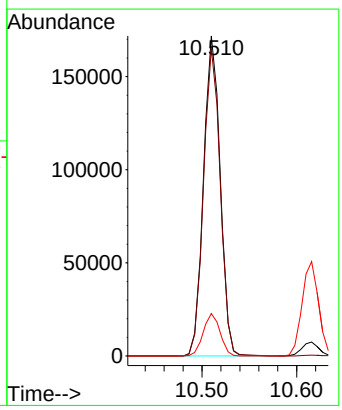


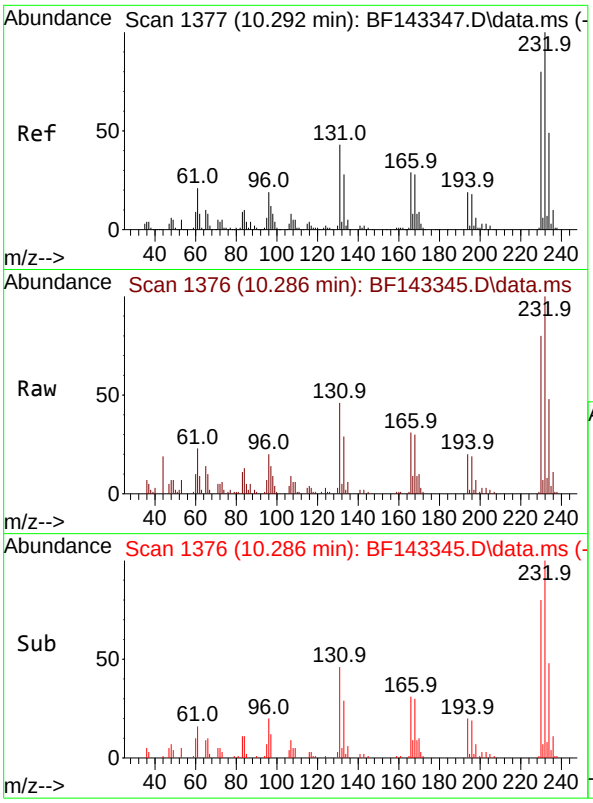


#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:166 Resp: 210161

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	13.3	10.9	16.3



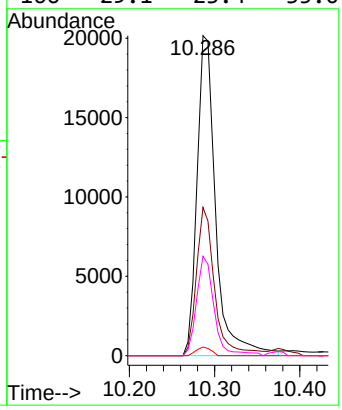


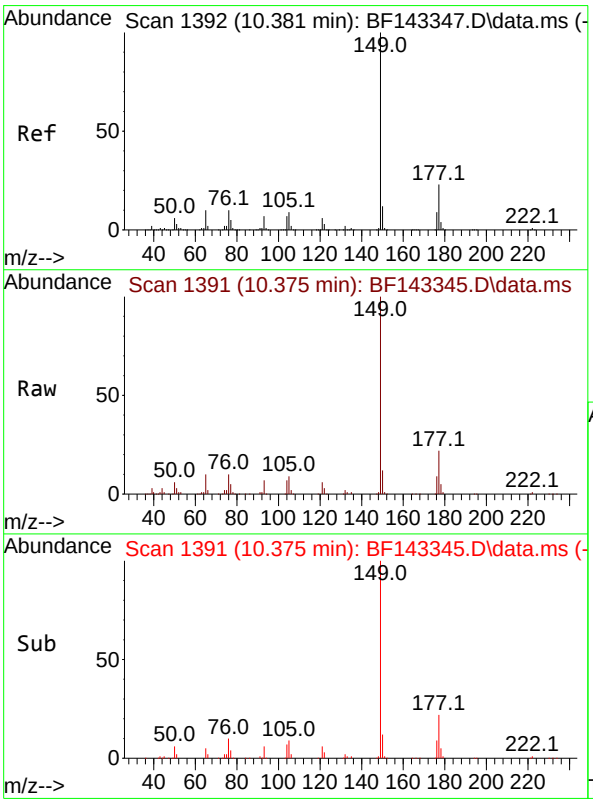
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 30681

Ion	Ratio	Lower	Upper
232	100		
131	45.6	34.6	51.8
130	2.1	1.7	2.5
166	29.1	23.4	35.0

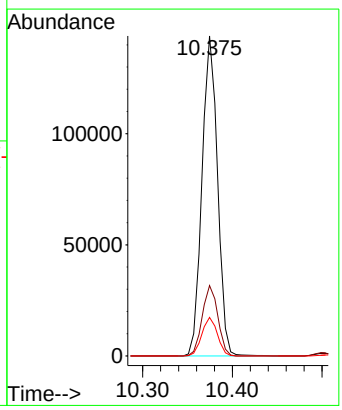


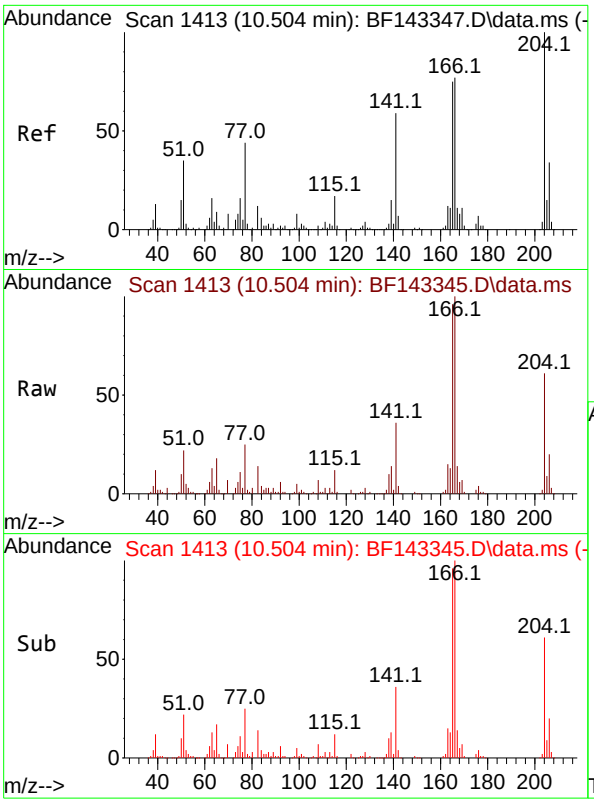


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 173119

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.2	27.2
150	12.0	9.9	14.9



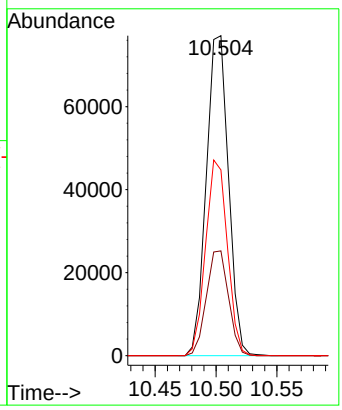


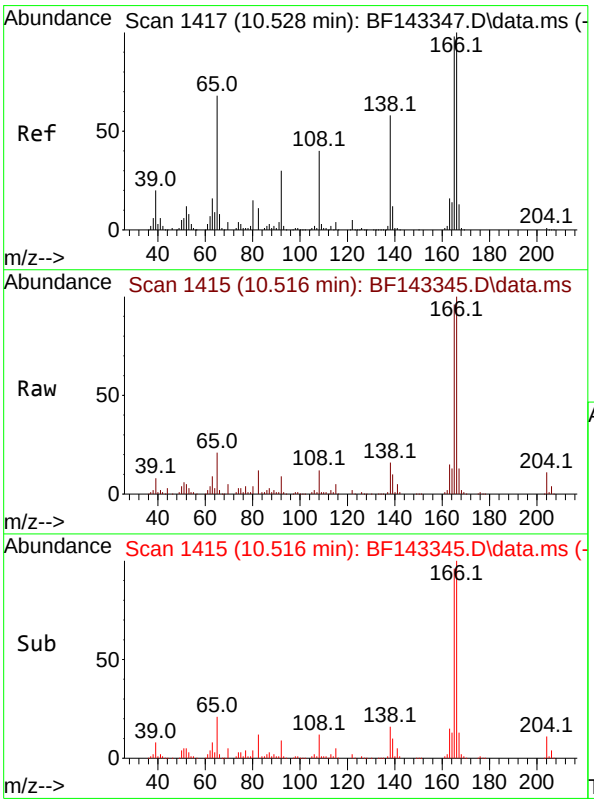
#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 97989

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.4	41.2
141	58.0	46.9	70.3

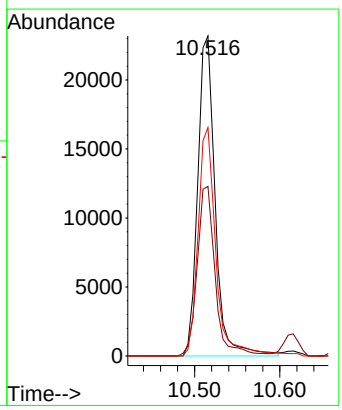


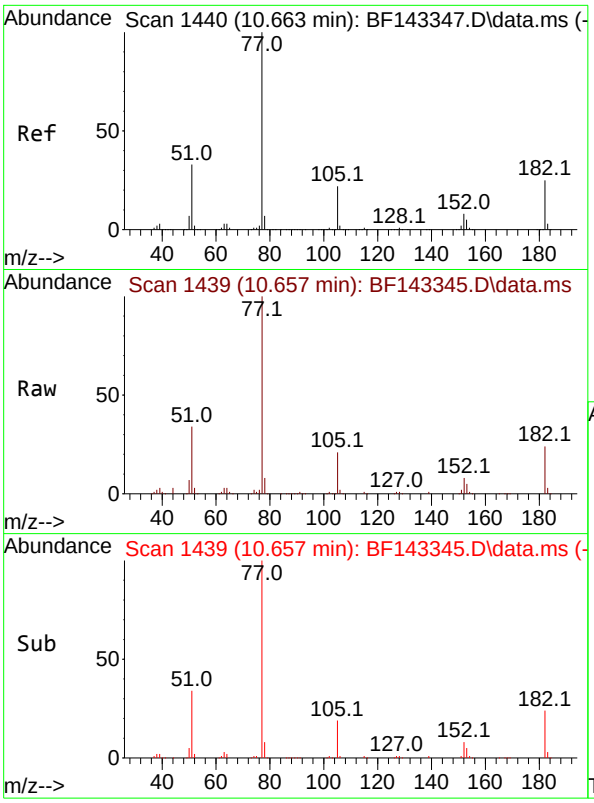


#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 32919

Ion	Ratio	Lower	Upper
138	100		
92	53.0	31.2	71.2
108	71.4	48.1	88.1



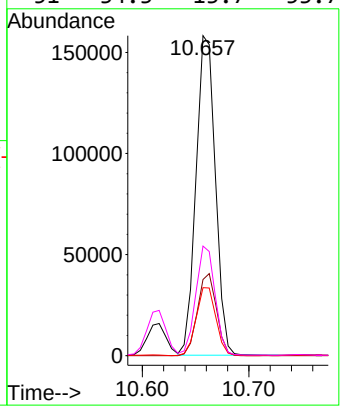


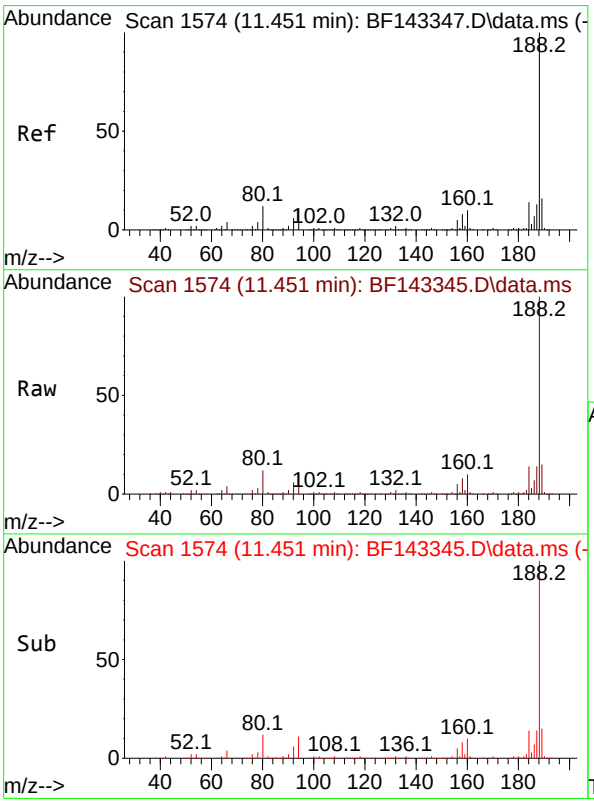
#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 200367

Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.4	44.4
105	21.3	1.8	41.8
51	34.3	13.7	53.7

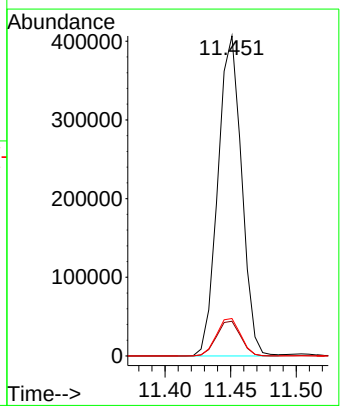


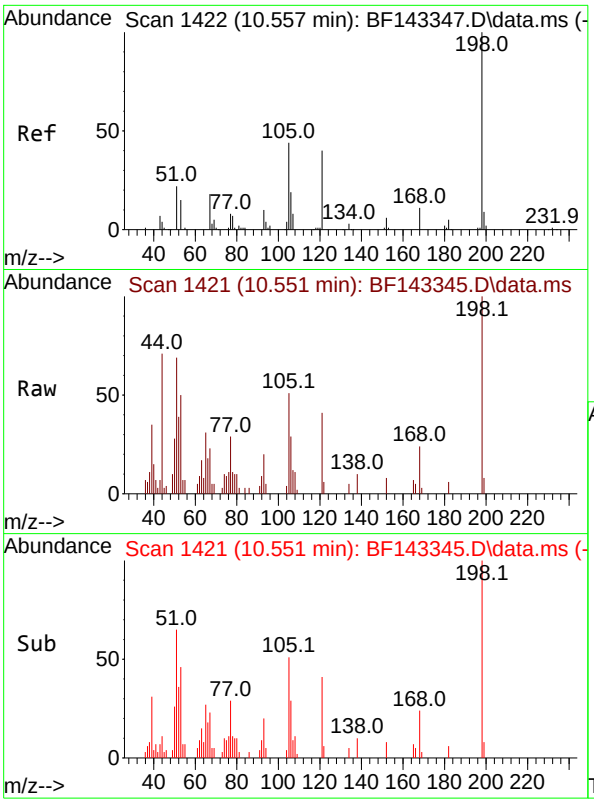


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:188 Resp: 511556

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.8	13.2
80	11.7	9.7	14.5



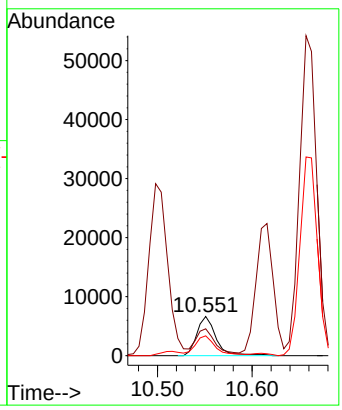


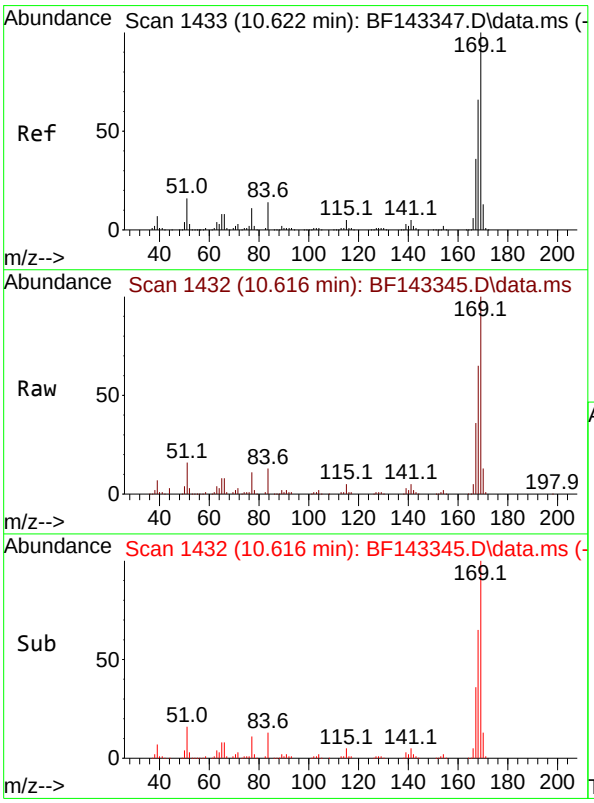
#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 9325

Ion	Ratio	Lower	Upper
198	100		
51	68.6	41.7	81.7
105	50.8	26.8	66.8

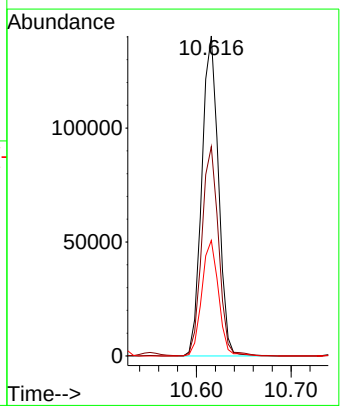


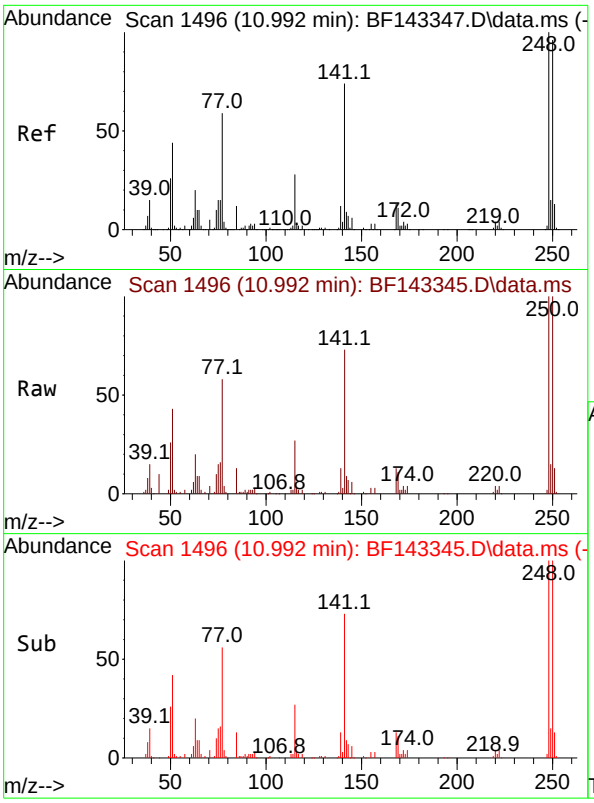


#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:169 Resp: 171289

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.7	79.1
167	36.1	28.6	42.8



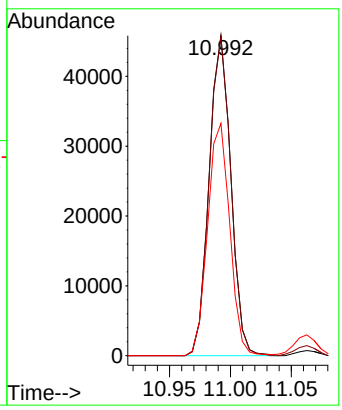


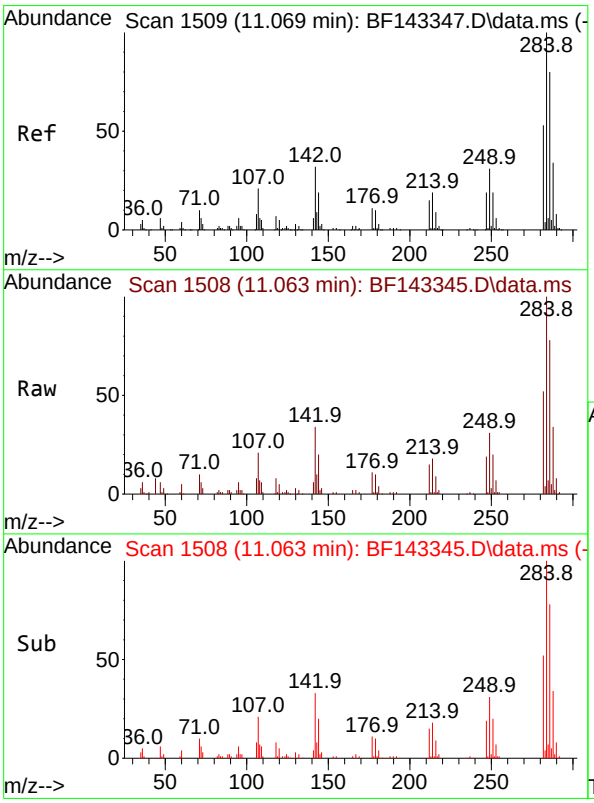
#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 56818

Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.1	115.7
141	72.6	59.1	88.7

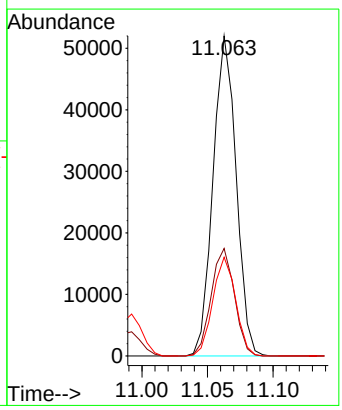


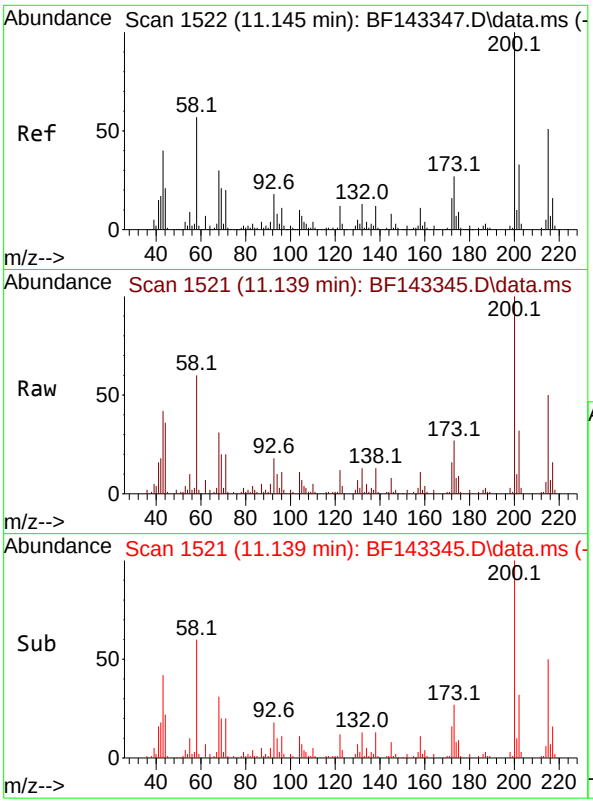


#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:284 Resp: 63639

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.7	38.5
249	30.9	24.6	37.0



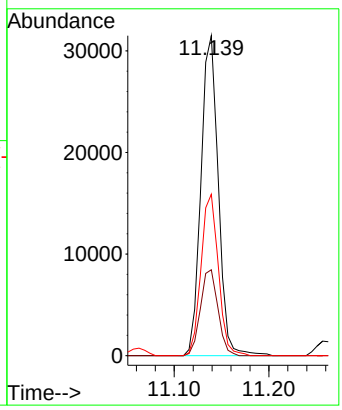


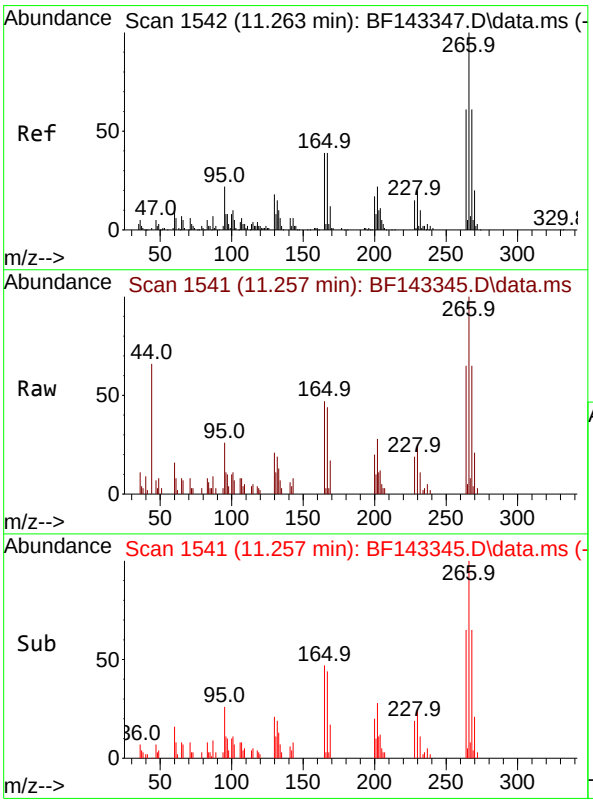
#69
Atrazine
Concen: 9.133 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 40124

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.6	46.6
215	50.5	30.6	70.6

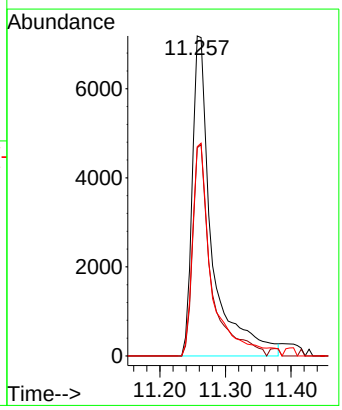


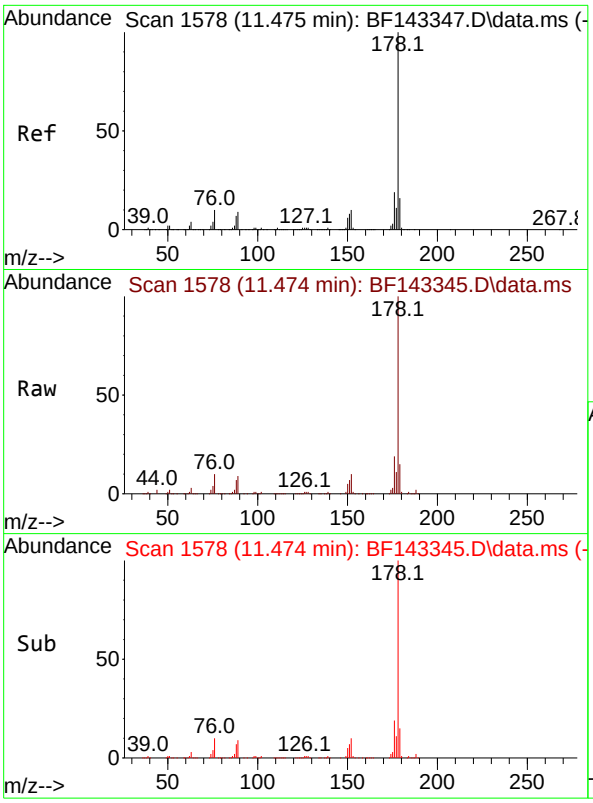


#70
Pentachlorophenol
Concen: 10.407 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:266 Resp: 14951

Ion	Ratio	Lower	Upper
266	100		
268	65.0	48.8	73.2
264	65.4	48.8	73.2



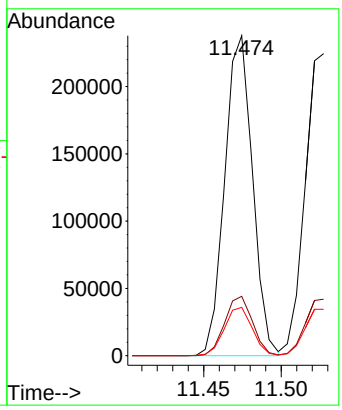


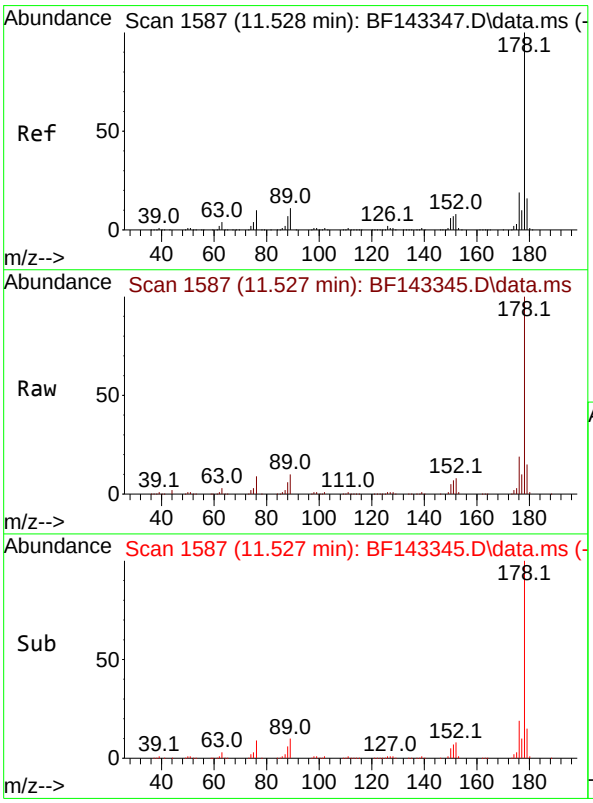
#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 296410

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.1	12.5	18.7

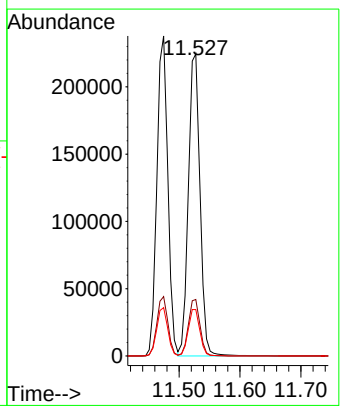


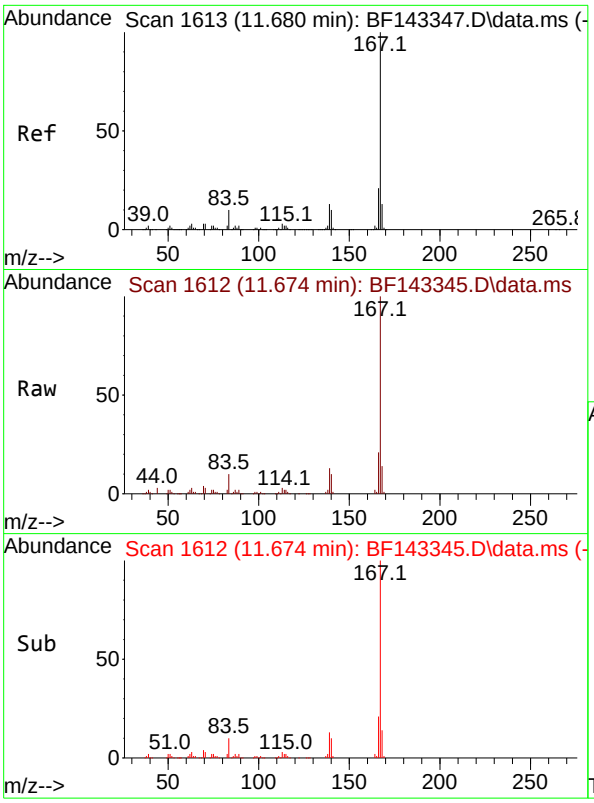


#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 298872

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.7	19.1



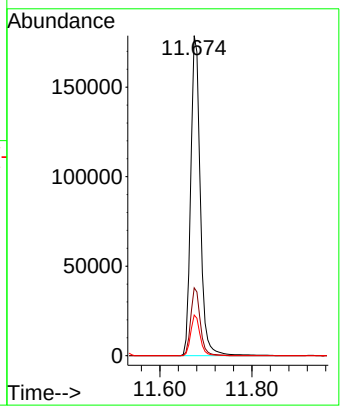


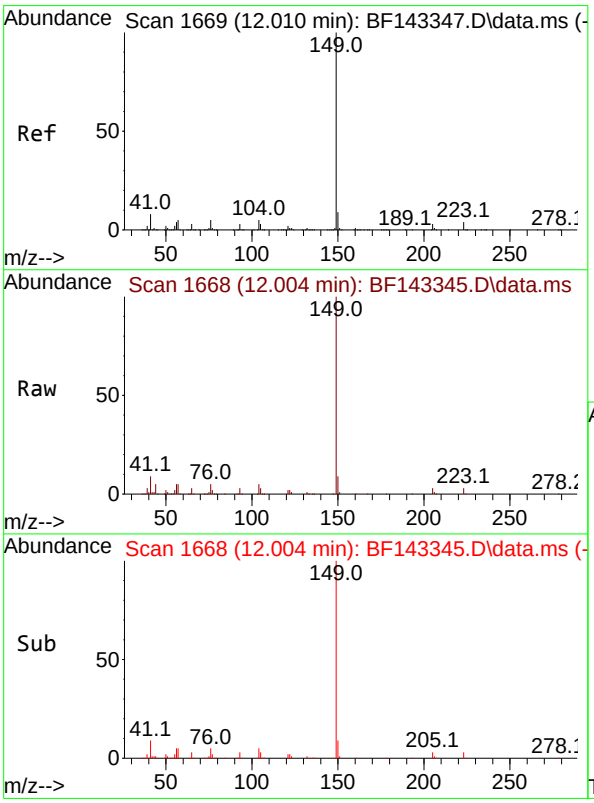
#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 255831

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.7	10.2	15.2

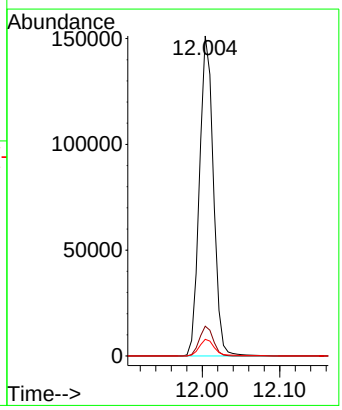


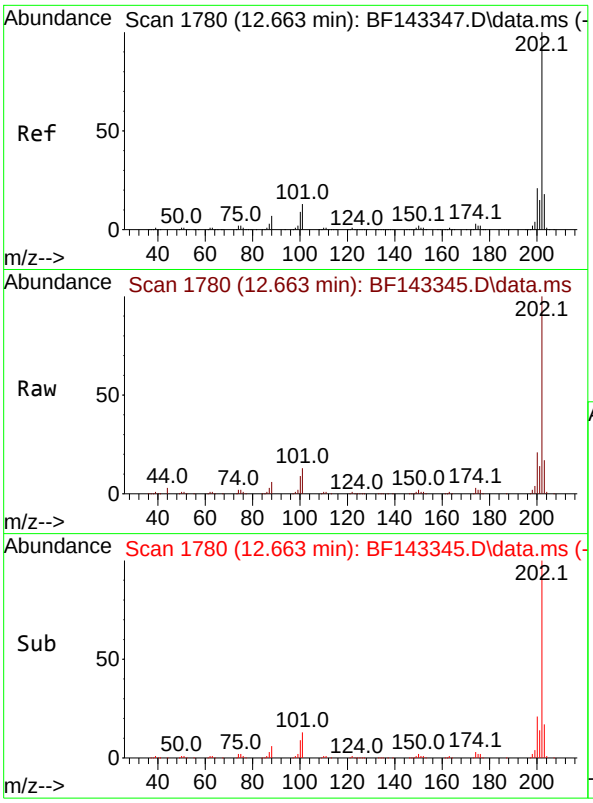


#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 189069

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	3.8	5.8



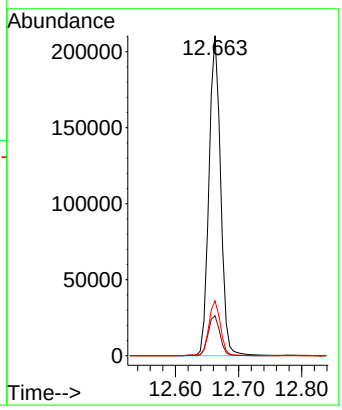


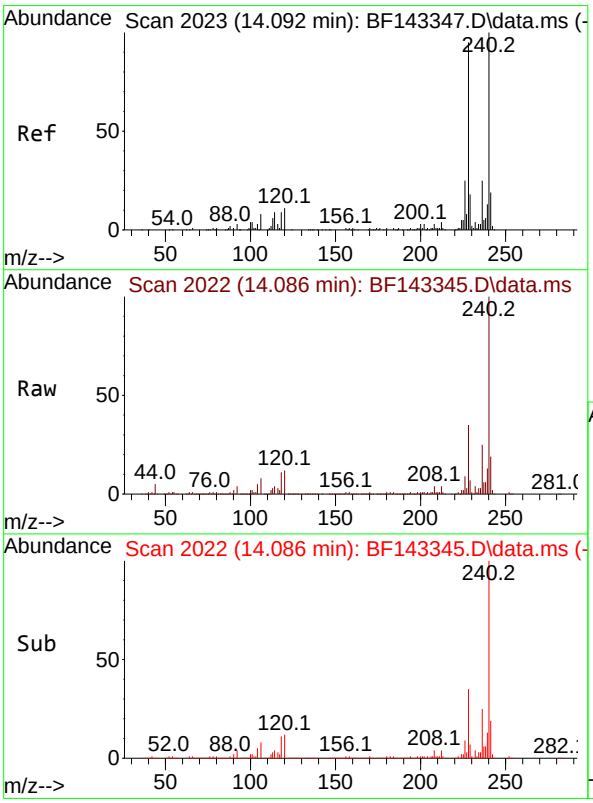
#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 269569

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	37.6

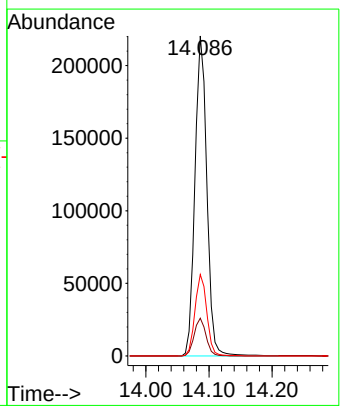


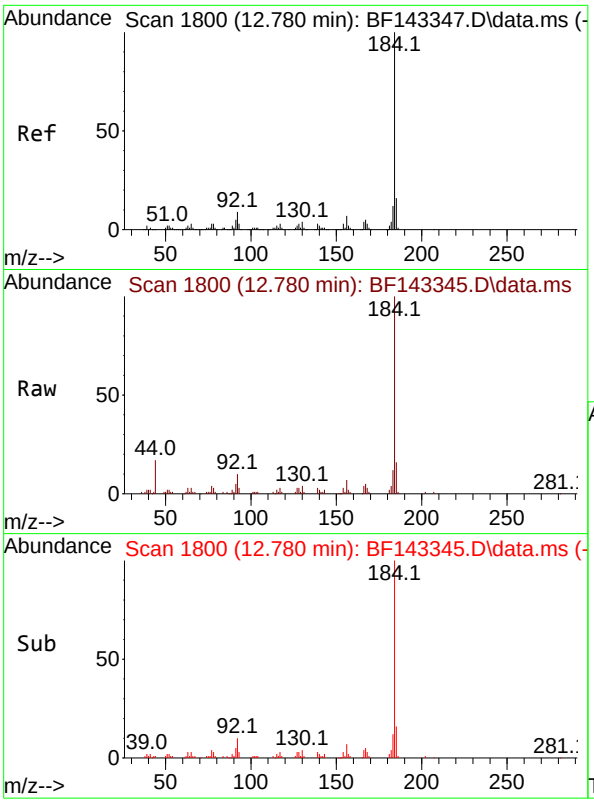


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.5	19.9	29.9



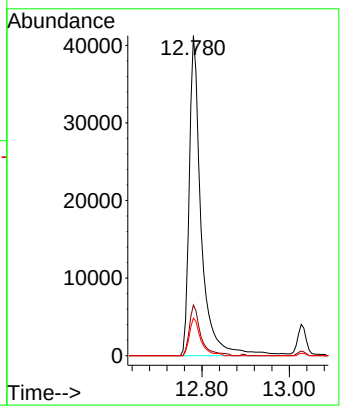


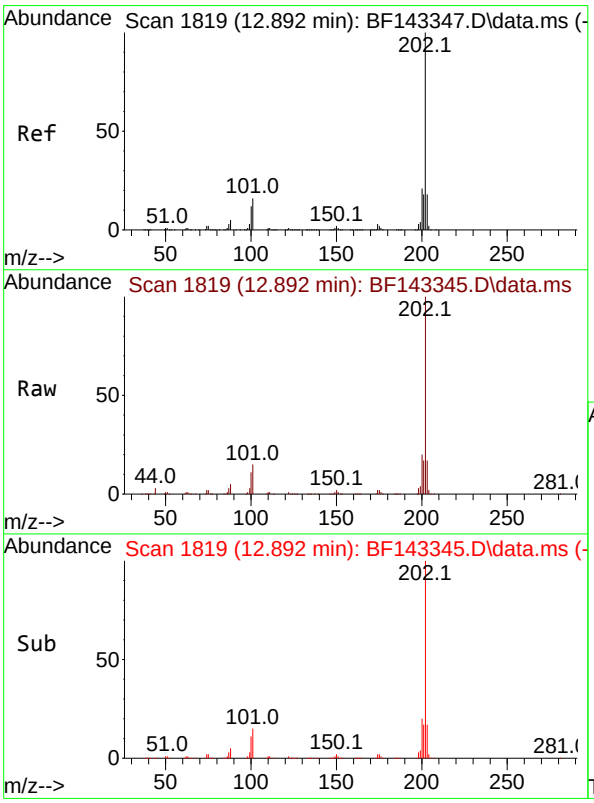
#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 78152

Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.8	19.2
183	11.8	9.3	13.9

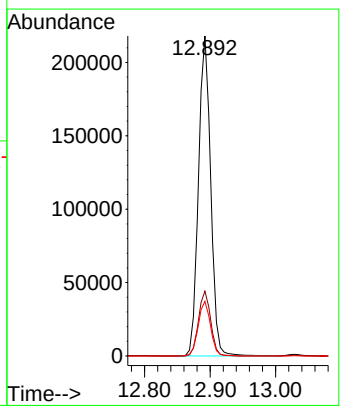


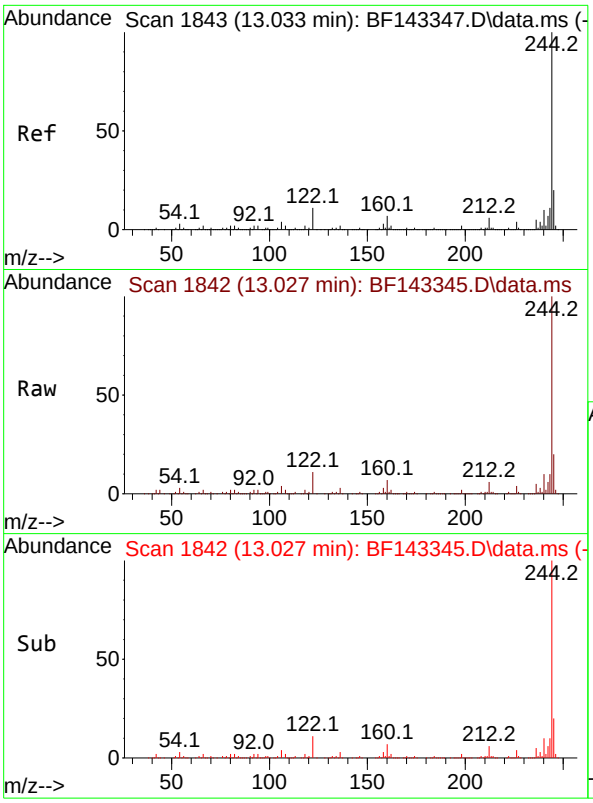


#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 283403

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.0	14.2	21.4



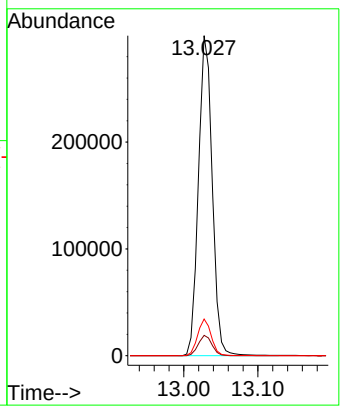


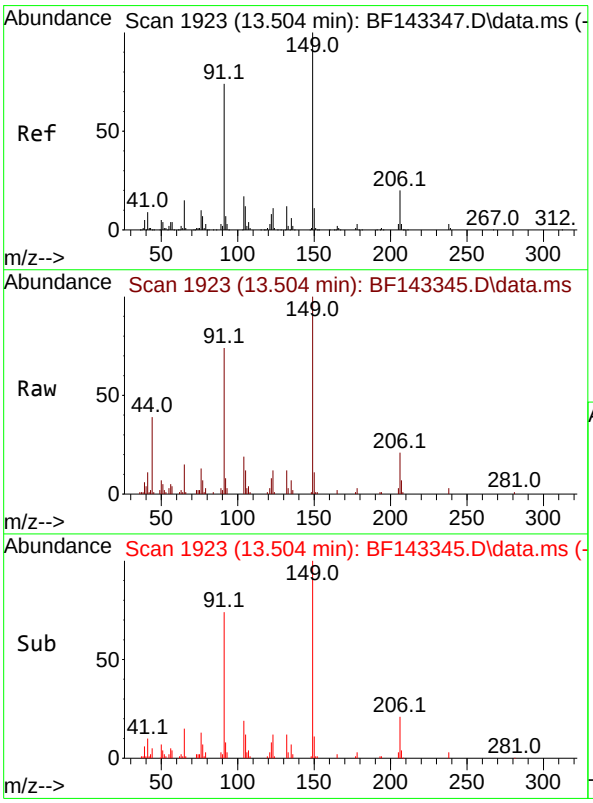
#79
Terphenyl-d14
Concen: 24.022 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 388588

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.5	8.9	13.3

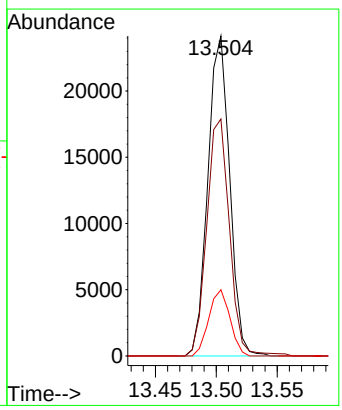


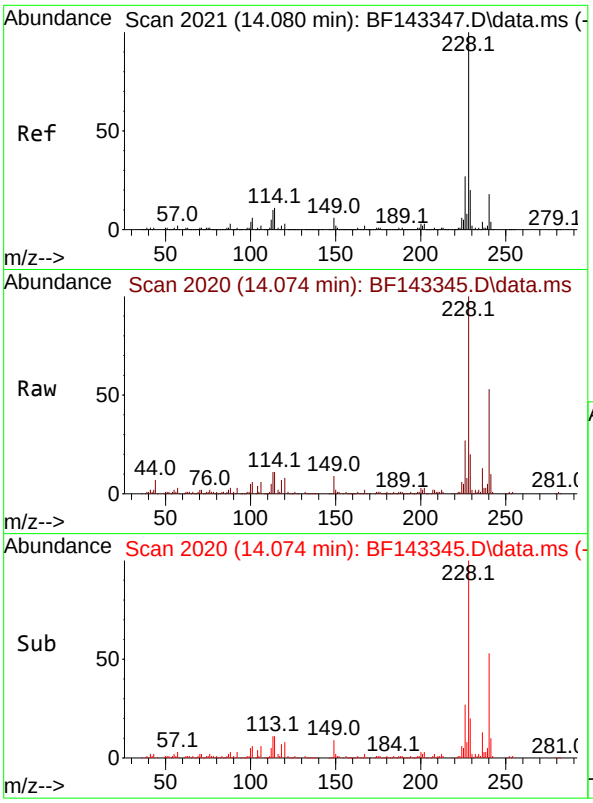


#80
Butylbenzylphthalate
Concen: 9.196 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 30088

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.8	88.2
206	20.7	16.4	24.6



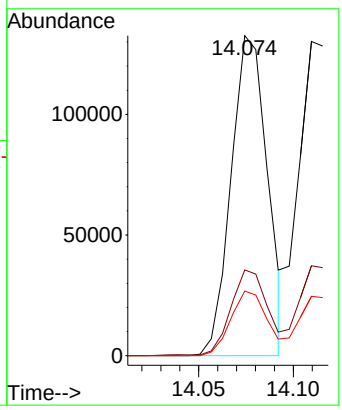


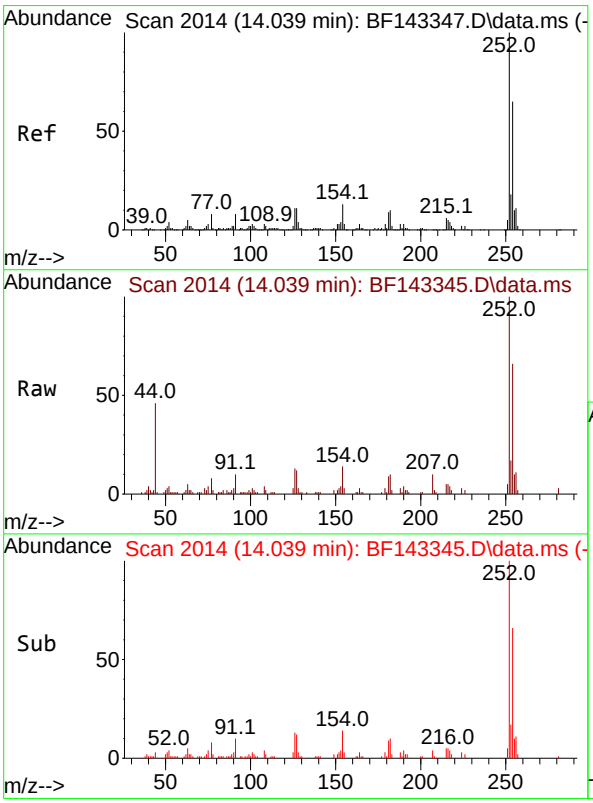
#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 176759

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.0	33.0
229	20.2	15.8	23.8

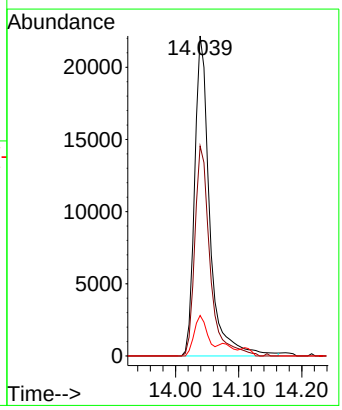


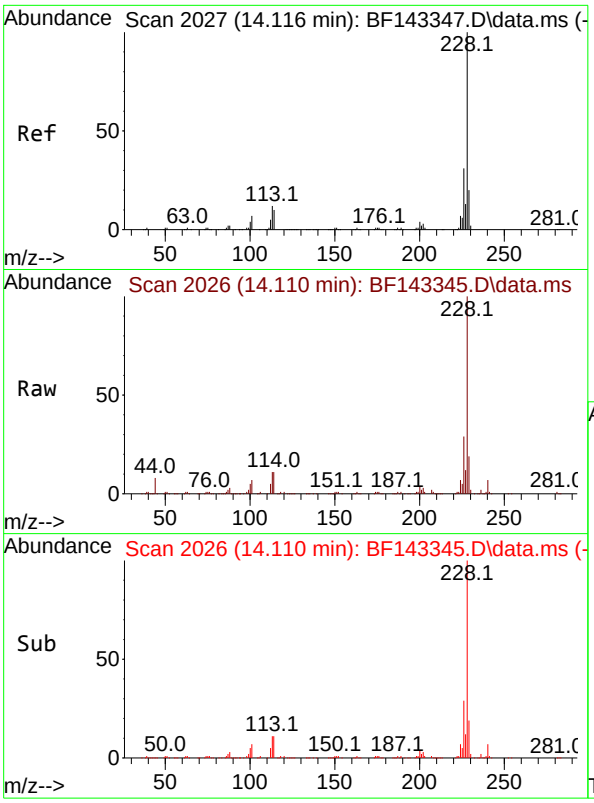


#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 36804

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.7	77.5
126	12.6	9.2	13.8



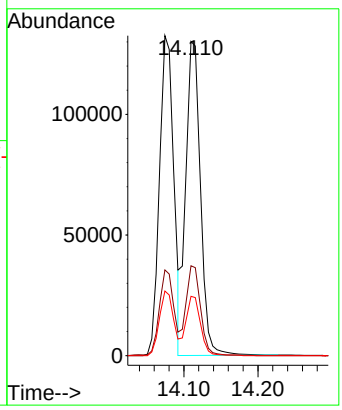


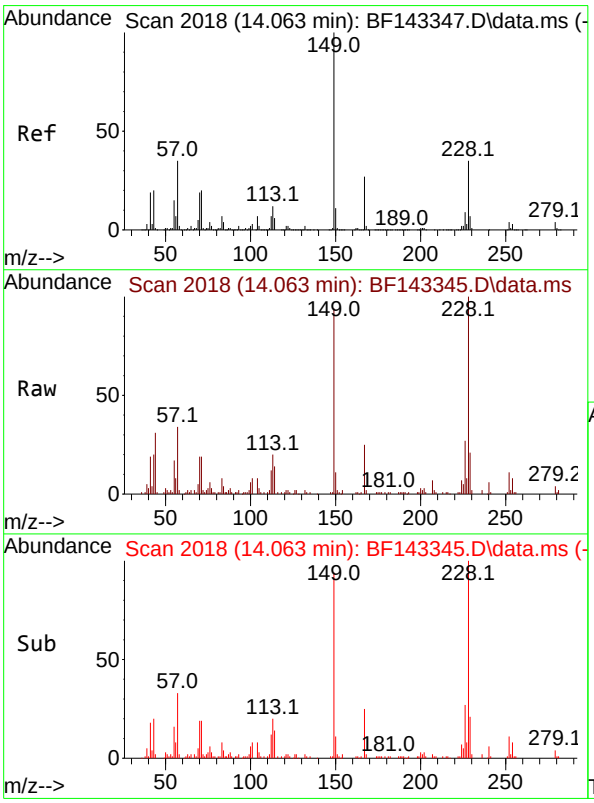
#83
Chrysene
Concen: 10.541 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 180427

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	18.9	15.8	23.6

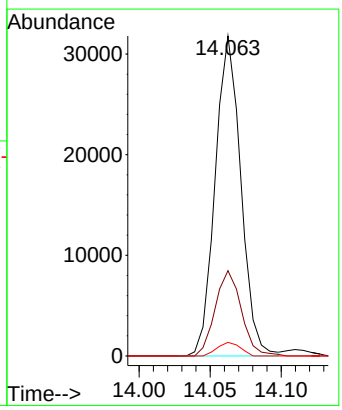


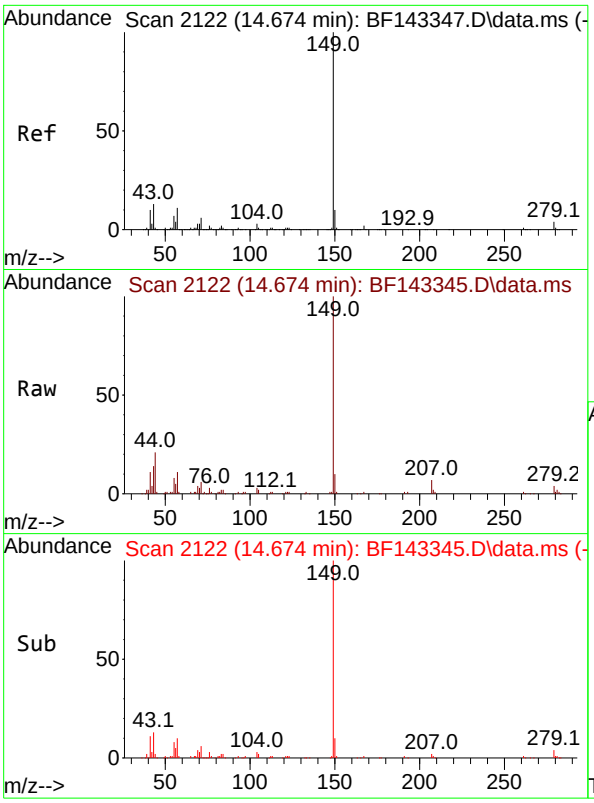


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.191 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 39945

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.3	3.2	4.8



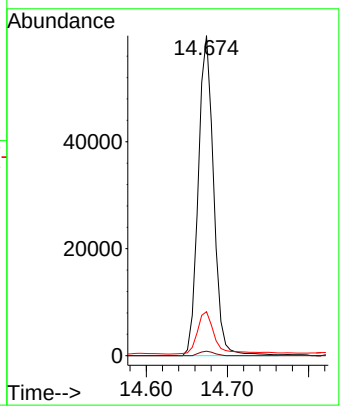


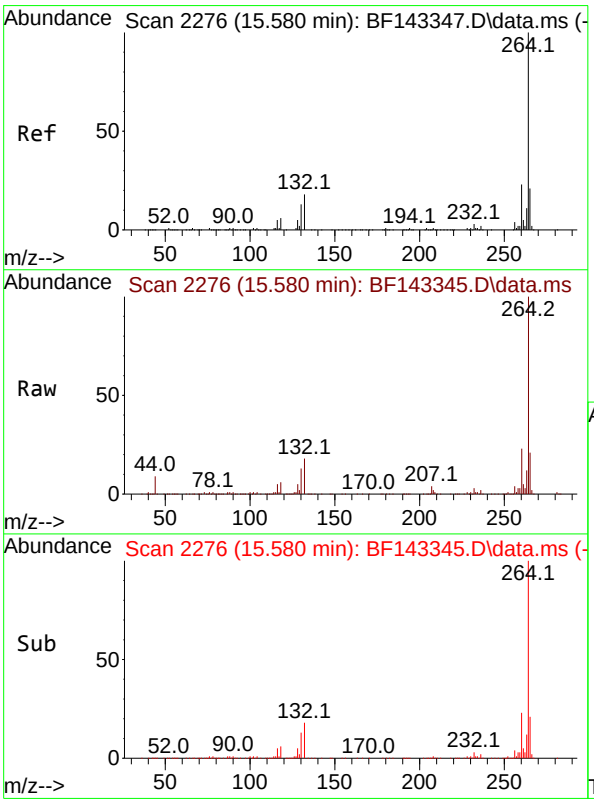
#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 78702

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	14.9	10.8	16.2

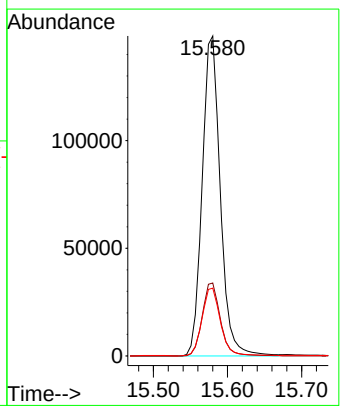


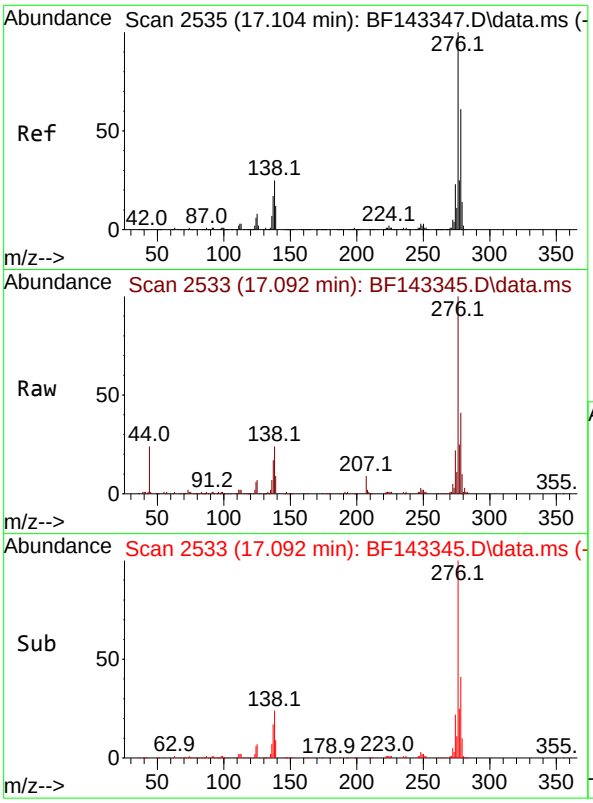


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:264 Resp: 252284

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.2	17.2	25.8



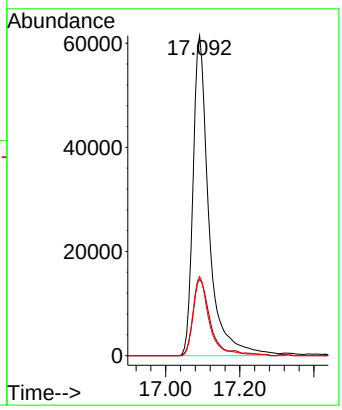


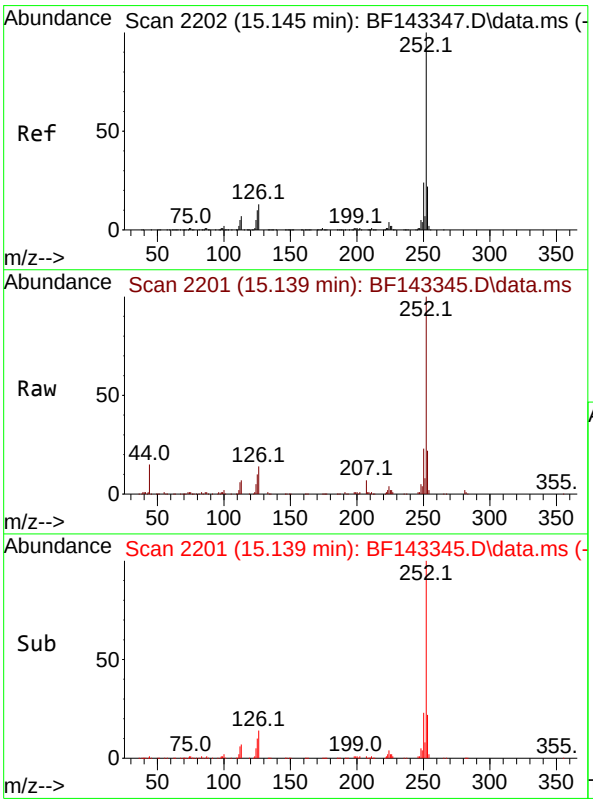
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.153 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 183505

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	24.8	20.2	30.2

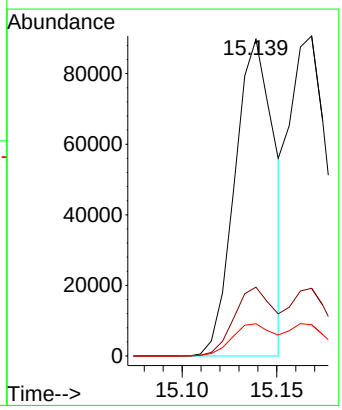


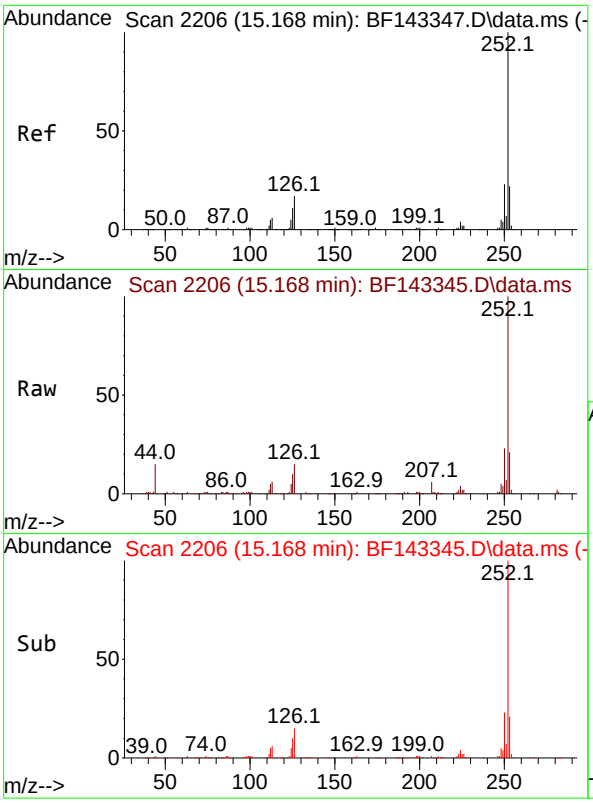


#88
Benzo(b)fluoranthene
Concen: 9.392 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 129605

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.2	7.8	11.6



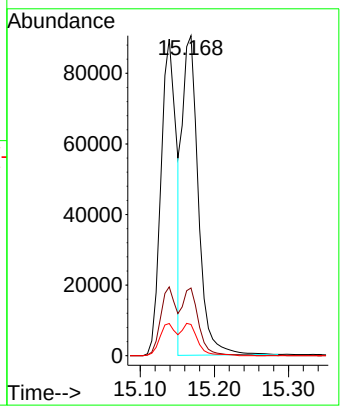


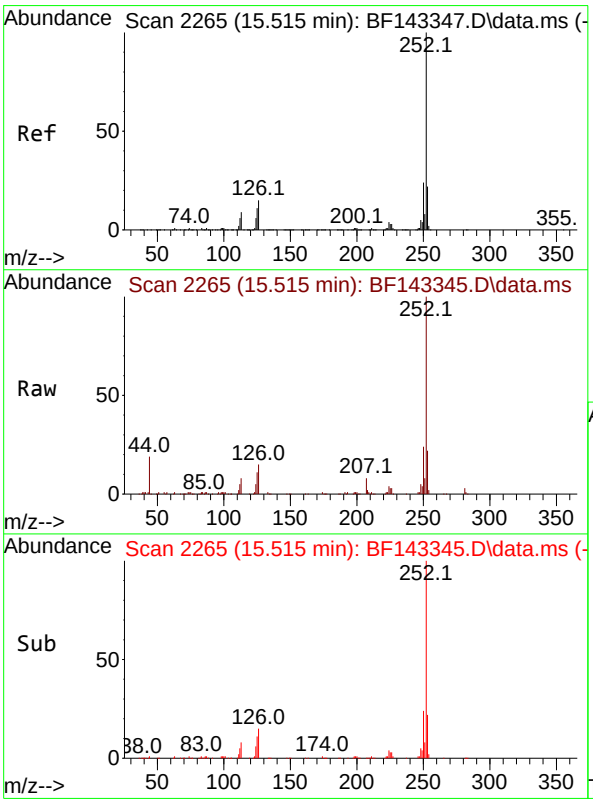
#89
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 136296

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	9.8	8.4	12.6

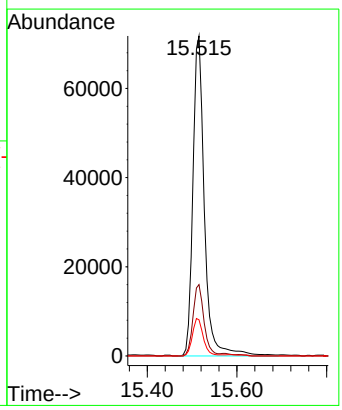


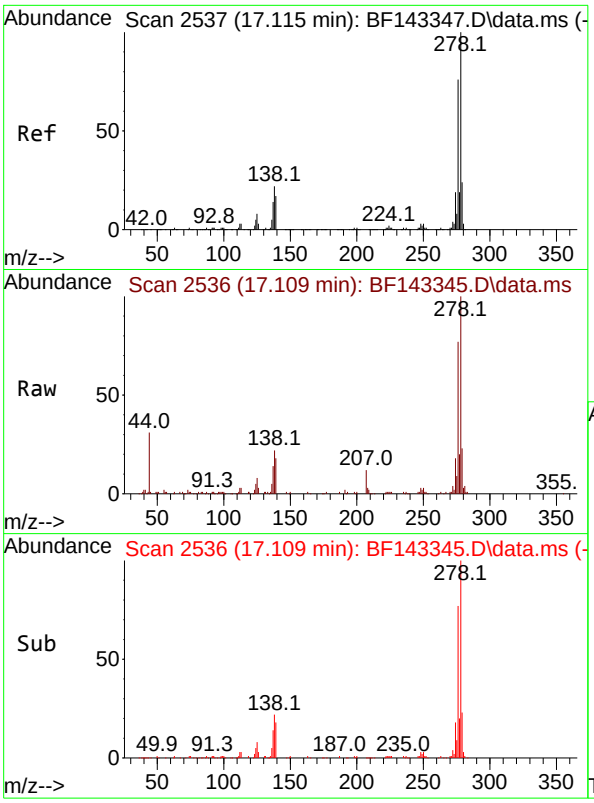


#90
Benzo(a)pyrene
Concen: 9.814 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 127540

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.3	9.1	13.7



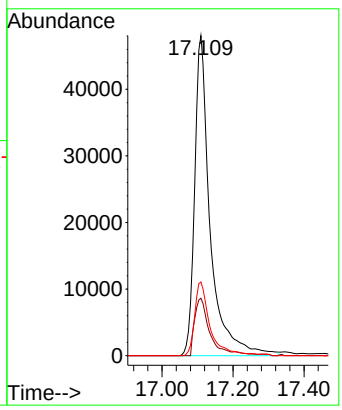


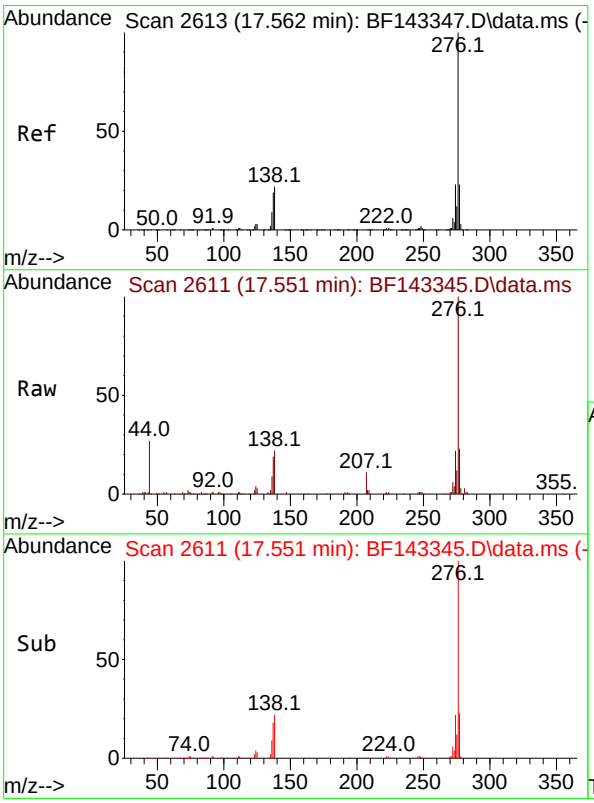
#91
Dibenzo(a,h)anthracene
Concen: 10.148 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 146537

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.0	21.0
279	23.0	19.4	29.0

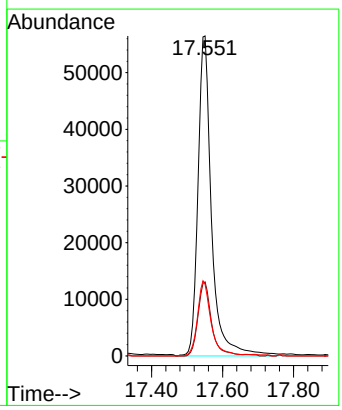




#92
Benzo(g,h,i)perylene
Concen: 10.338 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 150383

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	22.4	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	137804	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	517024	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	272568	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	391965	20.000	ng	0.00
76) Chrysene-d12	14.092	240	309493	20.000	ng	0.00
86) Perylene-d12	15.580	264	383464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	762938	95.739	ng	0.00
7) Phenol-d6	6.563	99	975086	95.417	ng	0.00
23) Nitrobenzene-d5	7.487	82	626187	75.422	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	241161	121.066	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1107824	68.922	ng	0.00
79) Terphenyl-d14	13.027	244	1013154	58.445	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	163035	39.537	ng	99
3) Pyridine	3.575	79	438470	39.902	ng	100
4) n-Nitrosodimethylamine	3.510	42	231473	45.221	ng	99
6) Aniline	6.592	93	442543	30.717	ng	95
8) 2-Chlorophenol	6.722	128	387249	45.478	ng	96
9) Benzaldehyde	6.481	77	223837	33.140	ng	98
10) Phenol	6.575	94	499579	41.267	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	401332	44.981	ng	99
12) 1,3-Dichlorobenzene	6.875	146	434984	44.288	ng	99
13) 1,4-Dichlorobenzene	6.945	146	436306	44.261	ng	99
14) 1,2-Dichlorobenzene	7.098	146	419380	44.818	ng	100
15) Benzyl Alcohol	7.069	79	344289	47.000	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	711810	44.687	ng	97
17) 2-Methylphenol	7.181	107	310496	43.198	ng	100
18) Hexachloroethane	7.445	117	149347	48.325	ng	96
19) n-Nitroso-di-n-propyla...	7.334	70	280271	44.386	ng	97
20) 3+4-Methylphenols	7.334	107	369644	42.523	ng	95
22) Acetophenone	7.334	105	511443	44.896	ng	97
24) Nitrobenzene	7.504	77	418648	46.430	ng	99
25) Isophorone	7.745	82	768386	45.335	ng	99
26) 2-Nitrophenol	7.822	139	203194	55.608	ng	99
27) 2,4-Dimethylphenol	7.863	122	335080	47.387	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	478776	46.267	ng	100
29) 2,4-Dichlorophenol	8.069	162	324090	46.926	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	347348	47.679	ng	99
31) Naphthalene	8.234	128	1089838	43.806	ng	100
32) Benzoic acid	7.975	122	193304	58.598	ng	99
33) 4-Chloroaniline	8.275	127	219162	24.424	ng	99
34) Hexachlorobutadiene	8.351	225	213552	47.123	ng	100
35) Caprolactam	8.645	113	95843	49.365	ng	99
36) 4-Chloro-3-methylphenol	8.763	107	325053	44.895	ng	99
37) 2-Methylnaphthalene	8.922	142	660623	40.391	ng	99
38) 1-Methylnaphthalene	9.022	142	682387	43.320	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	340812	45.694	ng	99
41) Hexachlorocyclopentadiene	9.081	237	306137	113.347	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	214621	50.715	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

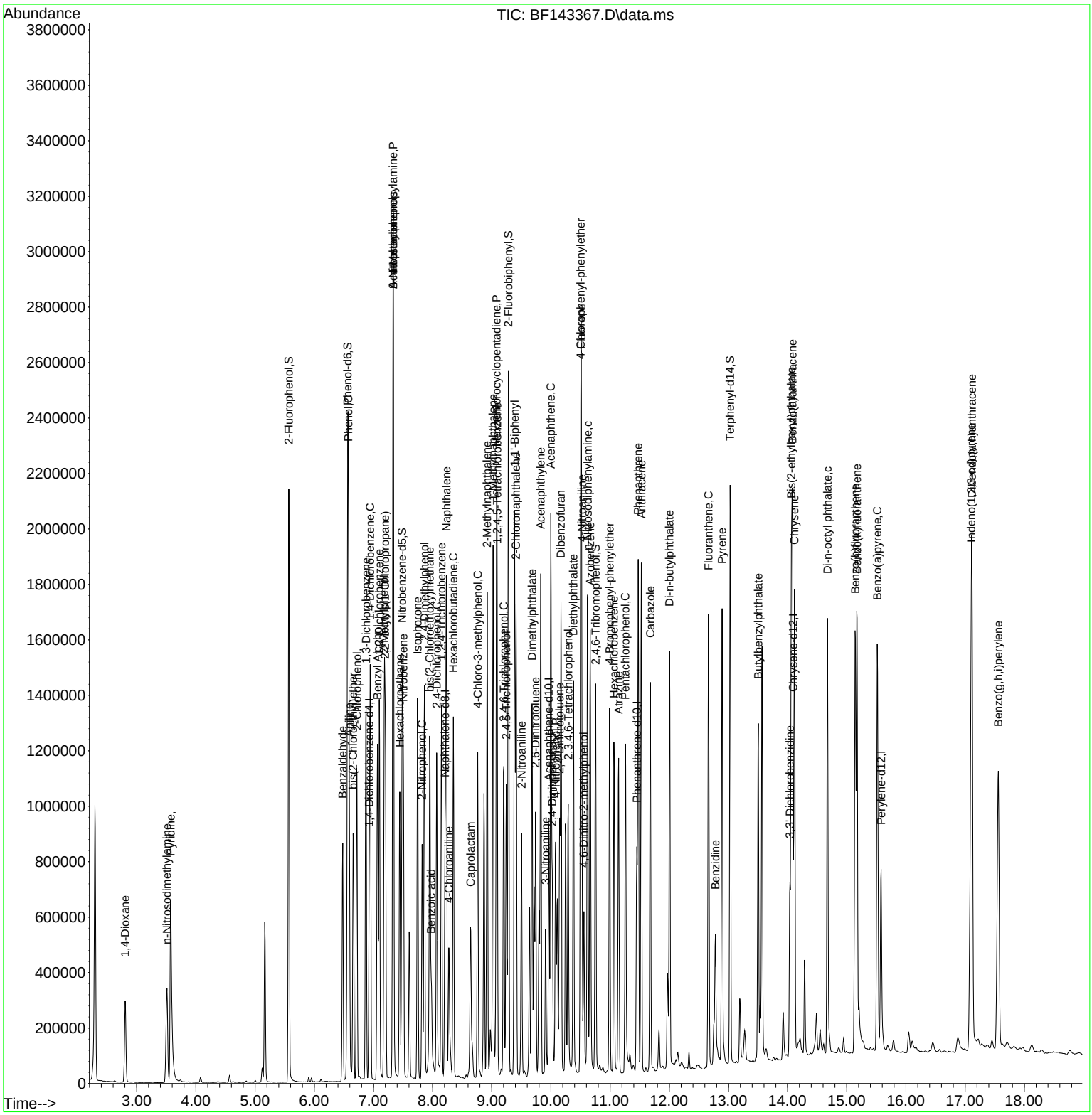
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	229789	48.084	ng		98
46) 1,1'-Biphenyl	9.386	154	876424	45.476	ng		99
47) 2-Chloronaphthalene	9.410	162	670874	44.200	ng		99
48) 2-Nitroaniline	9.504	65	209062	47.772	ng		99
49) Acenaphthylene	9.828	152	1078567	49.207	ng		100
50) Dimethylphthalate	9.680	163	767406	48.184	ng		100
51) 2,6-Dinitrotoluene	9.739	165	165224	54.402	ng		97
52) Acenaphthene	9.998	154	682321	46.824	ng		99
53) 3-Nitroaniline	9.910	138	108458	33.253	ng		98
54) 2,4-Dinitrophenol	10.022	184	128950	93.173	ng	#	82
55) Dibenzofuran	10.169	168	930157	44.351	ng		100
56) 4-Nitrophenol	10.080	139	201185	77.373	ng		96
57) 2,4-Dinitrotoluene	10.145	165	215672	53.556	ng		93
58) Fluorene	10.516	166	710470	44.351	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	187331	58.151	ng		97
60) Diethylphthalate	10.380	149	719937	50.466	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	352284	45.513	ng		99
62) 4-Nitroaniline	10.522	138	150805	47.789	ng		99
63) Azobenzene	10.663	77	785525	48.208	ng		97
65) 4,6-Dinitro-2-methylph...	10.557	198	98616	60.040	ng		95
66) n-Nitrosodiphenylamine	10.622	169	608929	47.180	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	215964	48.176	ng		98
68) Hexachlorobenzene	11.063	284	225664	46.702	ng		98
69) Atrazine	11.145	200	184901	54.927	ng		99
70) Pentachlorophenol	11.257	266	226544	94.613	ng		97
71) Phenanthrene	11.474	178	960966	44.935	ng		99
72) Anthracene	11.527	178	994942	45.875	ng		99
73) Carbazole	11.680	167	820685	44.432	ng		99
74) Di-n-butylphthalate	12.004	149	1030302	65.918	ng		100
75) Fluoranthene	12.663	202	909808	48.568	ng		99
77) Benzidine	12.780	184	293910	34.736	ng		99
78) Pyrene	12.892	202	914572	35.225	ng		100
80) Butylbenzylphthalate	13.504	149	381128	72.449	ng		97
81) Benzo(a)anthracene	14.080	228	899115	45.707	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	206592	38.894	ng		98
83) Chrysene	14.115	228	830343	45.269	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	559729	71.994	ng		98
85) Di-n-octyl phthalate	14.674	149	1029373	65.934	ng		98
87) Indeno(1,2,3-cd)pyrene	17.104	276	1220480	44.425	ng		100
88) Benzo(b)fluoranthene	15.145	252	1021721	48.714	ng		99
89) Benzo(k)fluoranthene	15.174	252	918699	45.078	ng		99
90) Benzo(a)pyrene	15.515	252	951612	48.173	ng		99
91) Dibenzo(a,h)anthracene	17.115	278	979680	44.637	ng		100
92) Benzo(g,h,i)perylene	17.562	276	974809	44.090	ng		98

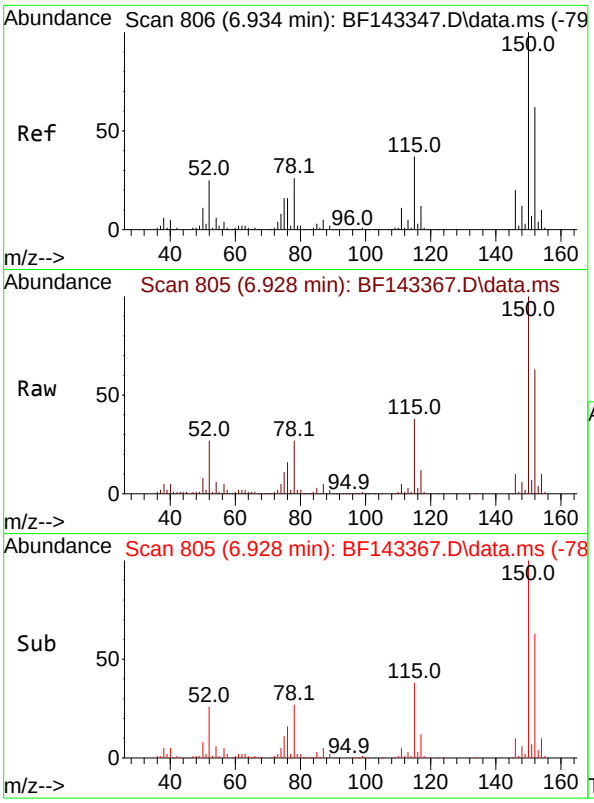
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143367.D
Acq On : 13 Aug 2025 11:12
Operator : RC/JU
Sample : Q2830-05MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Quant Time: Aug 13 11:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



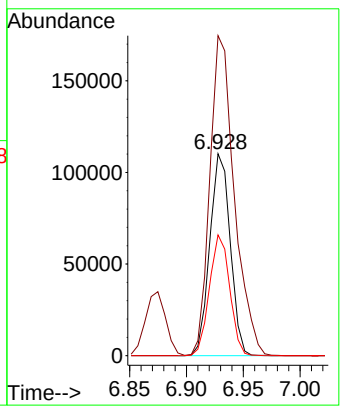


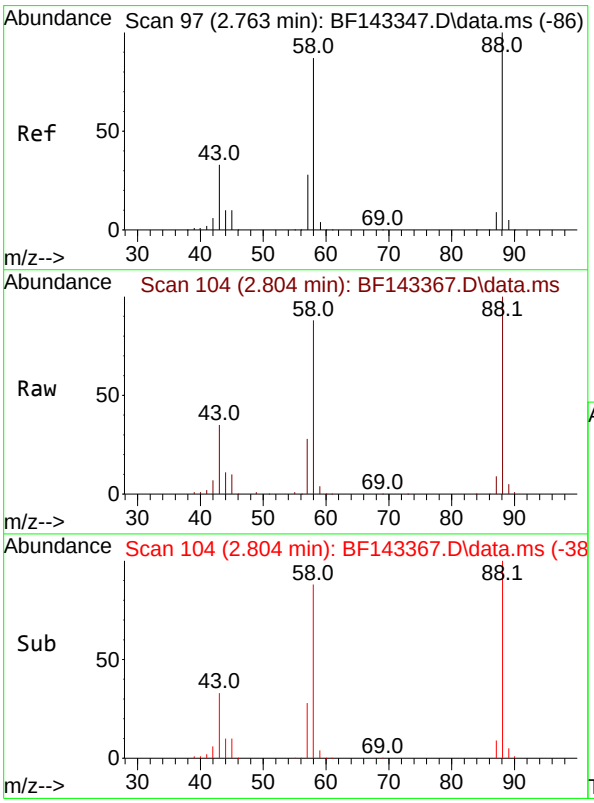
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:152 Resp: 137804

Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.8	194.8
115	59.9	47.8	71.8

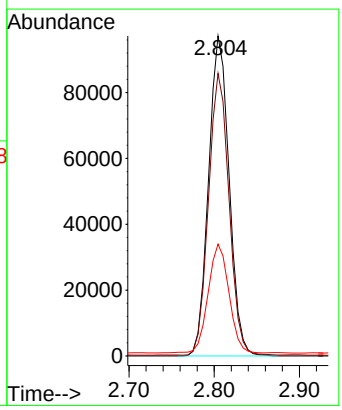


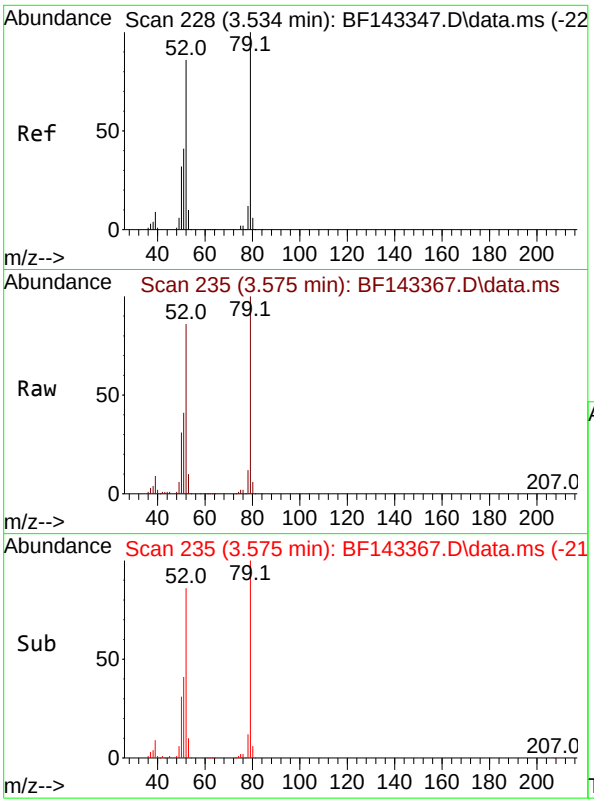


#2
1,4-Dioxane
Concen: 39.537 ng
RT: 2.804 min Scan# 104
Delta R.T. 0.041 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 88 Resp: 163035

Ion	Ratio	Lower	Upper
88	100		
58	87.6	71.0	106.6
43	34.3	27.0	40.6



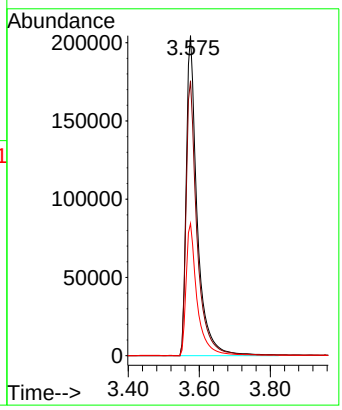


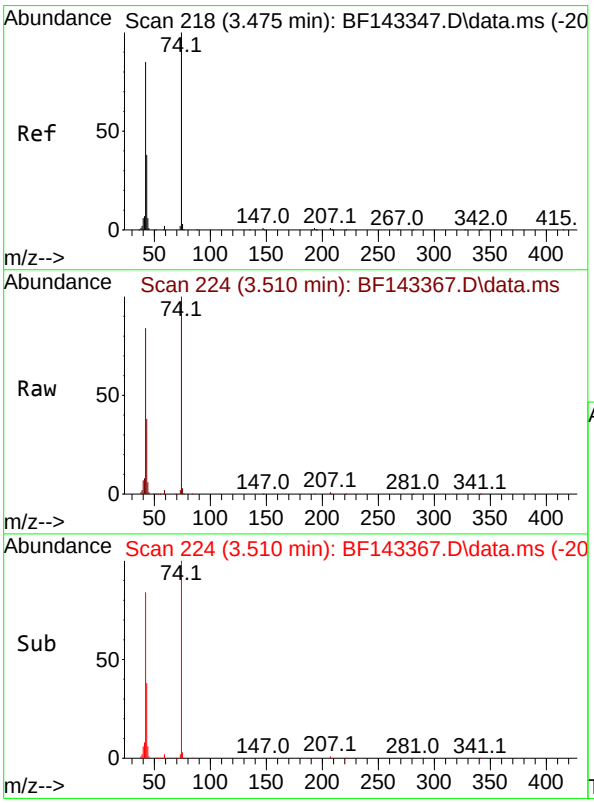
#3
Pyridine
Concen: 39.902 ng
RT: 3.575 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 79 Resp: 438470

Ion	Ratio	Lower	Upper
79	100		
52	85.9	68.7	103.1
51	41.3	33.4	50.0

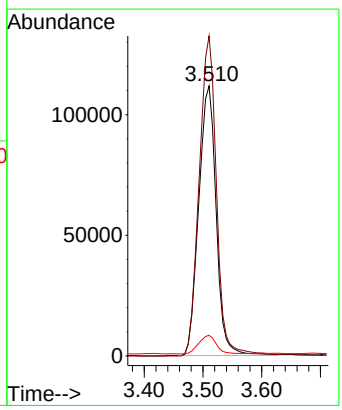


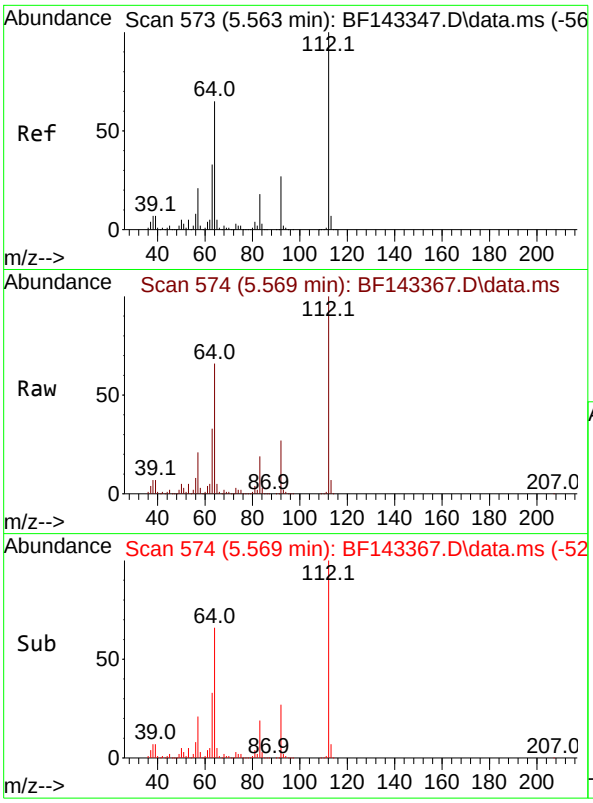


#4
n-Nitrosodimethylamine
Concen: 45.221 ng
RT: 3.510 min Scan# 224
Delta R.T. 0.035 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 42 Resp: 231473

Ion	Ratio	Lower	Upper
42	100		
74	118.5	94.1	141.1
44	7.7	6.5	9.7



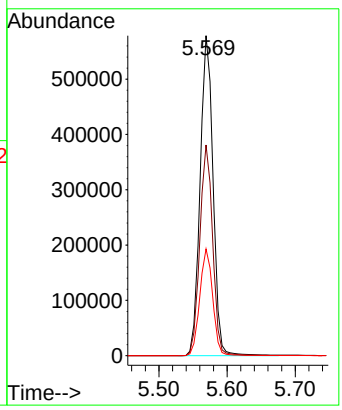


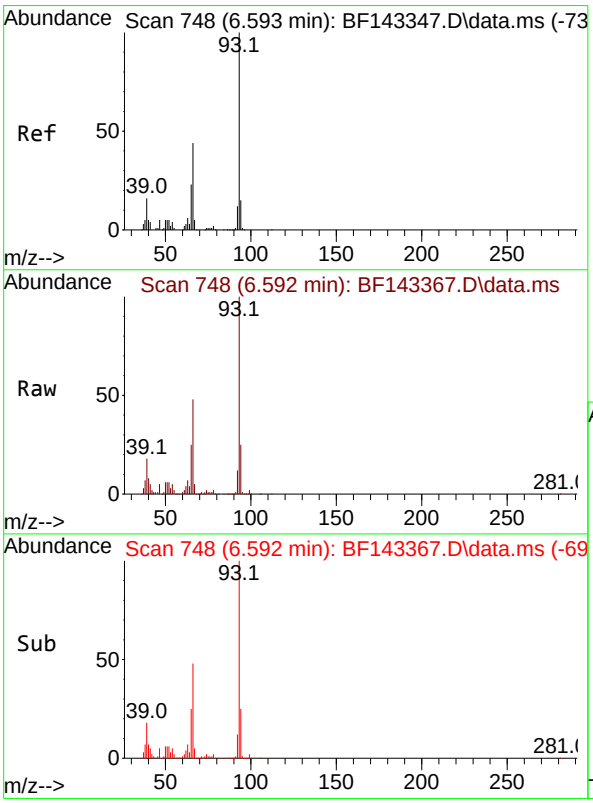
#5
2-Fluorophenol
Concen: 95.739 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:112 Resp: 762938

Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.1	78.1
63	33.3	26.6	39.8

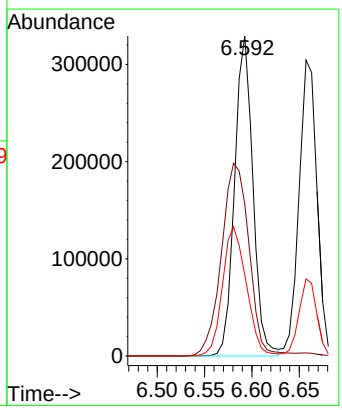


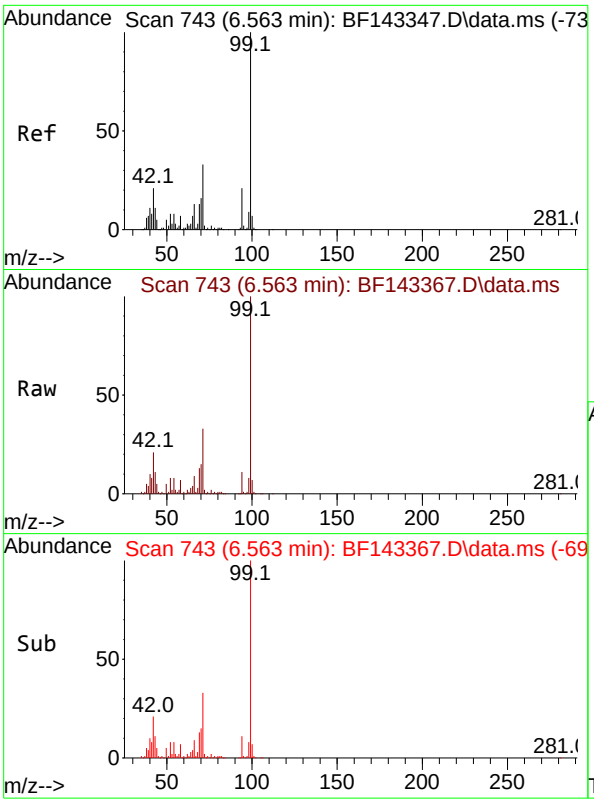


#6
Aniline
Concen: 30.717 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 93 Resp: 442543

Ion	Ratio	Lower	Upper
93	100		
66	47.6	35.3	52.9
65	25.4	18.2	27.4



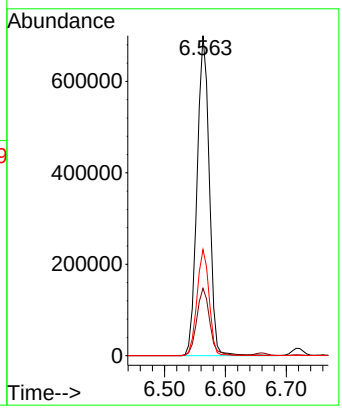


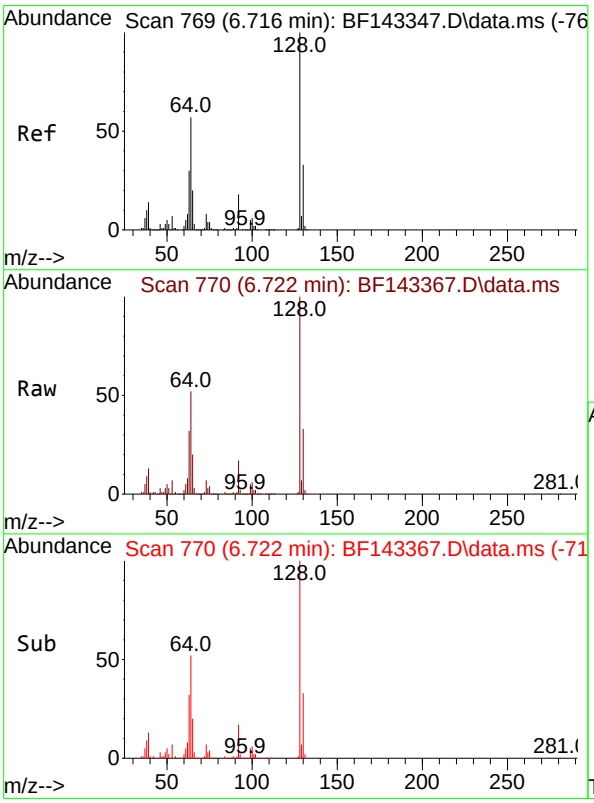
#7
Phenol-d6
Concen: 95.417 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 99 Resp: 975086

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.6	25.0
71	33.2	26.2	39.2

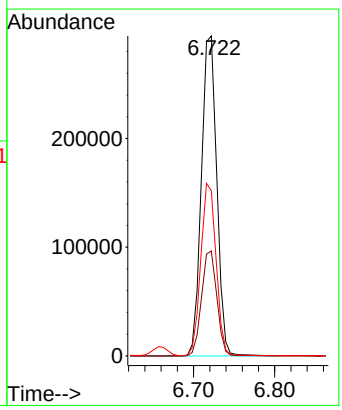


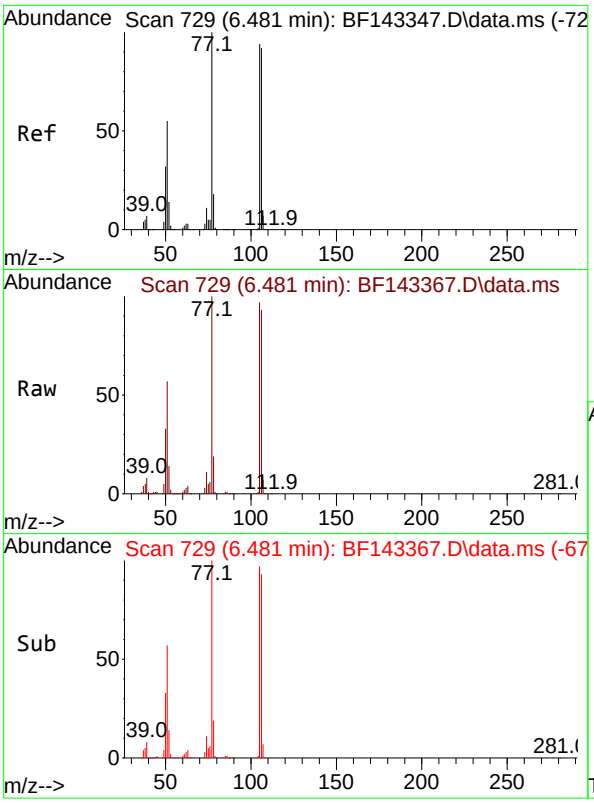


#8
2-Chlorophenol
Concen: 45.478 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:128 Resp: 387249

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	51.7	36.7	76.7



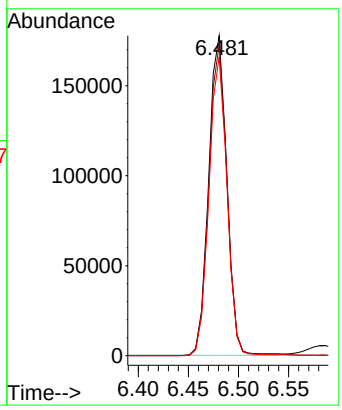


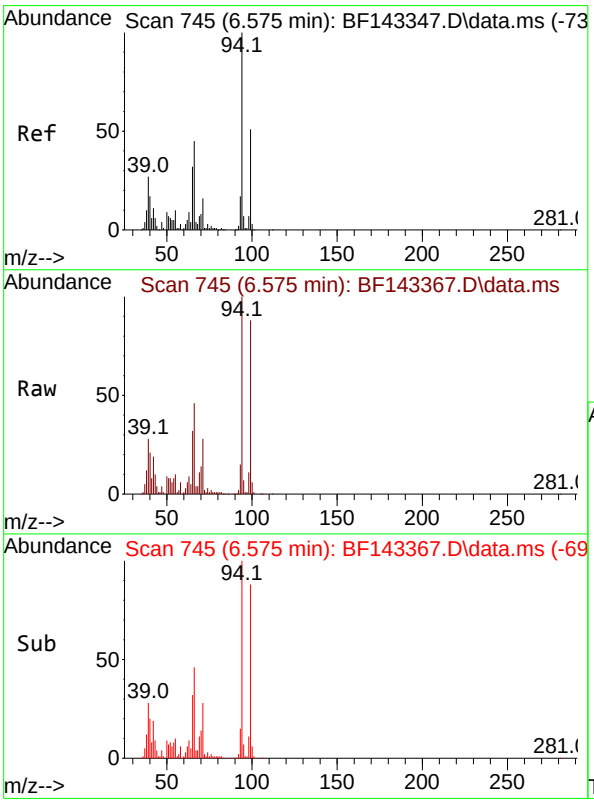
#9
Benzaldehyde
Concen: 33.140 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 77 Resp: 223837

Ion	Ratio	Lower	Upper
77	100		
105	97.2	74.2	114.2
106	93.3	72.2	112.2

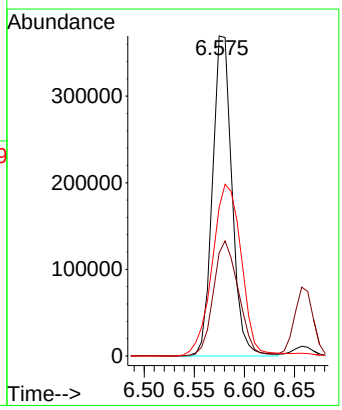


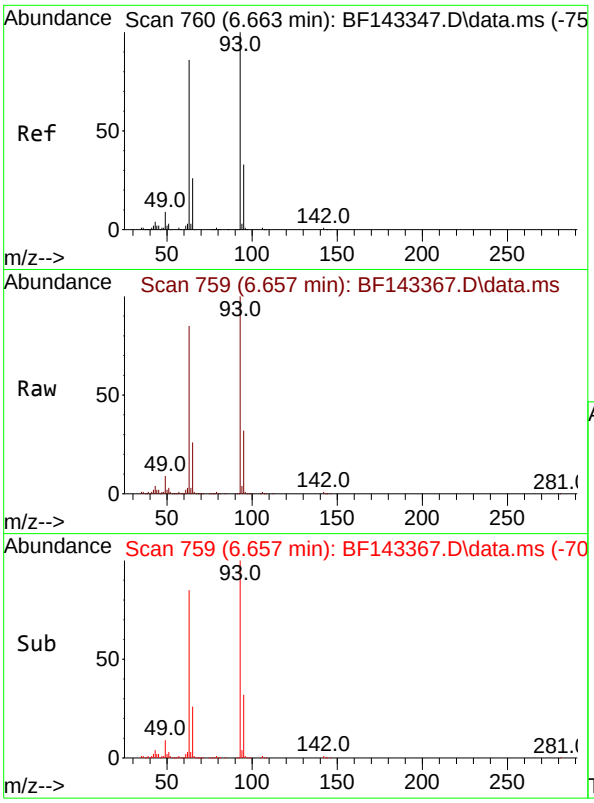


#10
Phenol
Concen: 41.267 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 94 Resp: 499579

Ion	Ratio	Lower	Upper
94	100		
65	32.2	12.0	52.0
66	46.4	25.6	65.6



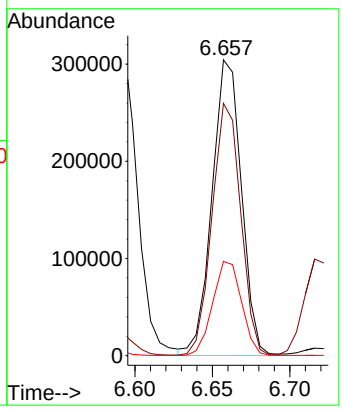


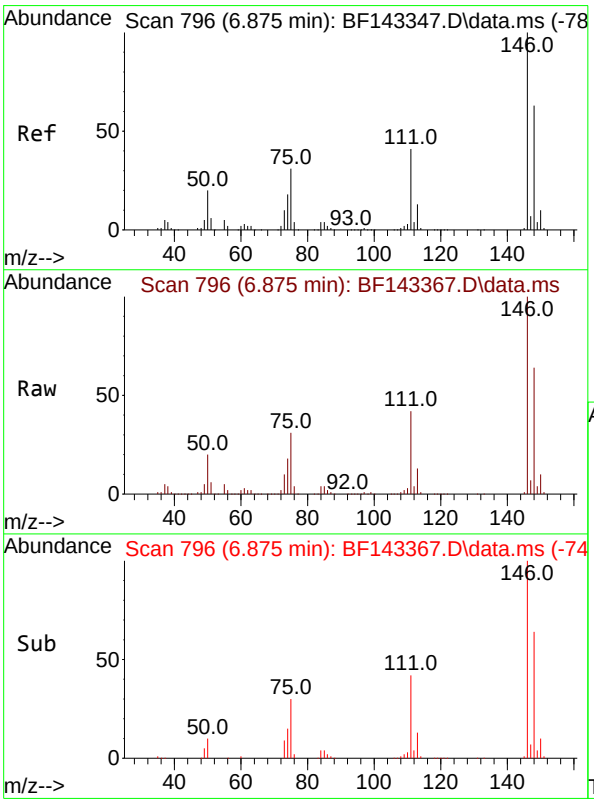
#11
bis(2-Chloroethyl)ether
Concen: 44.981 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 93 Resp: 401332

Ion	Ratio	Lower	Upper
93	100		
63	85.3	65.7	105.7
95	31.8	13.0	53.0

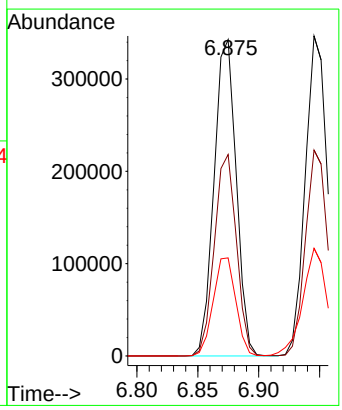


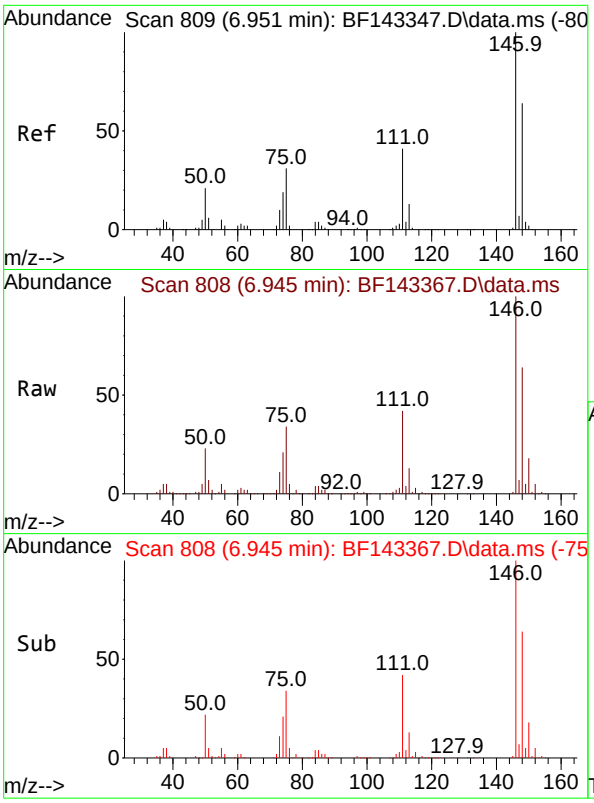


#12
1,3-Dichlorobenzene
Concen: 44.288 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:146 Resp: 434984

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
75	31.0	24.9	37.3



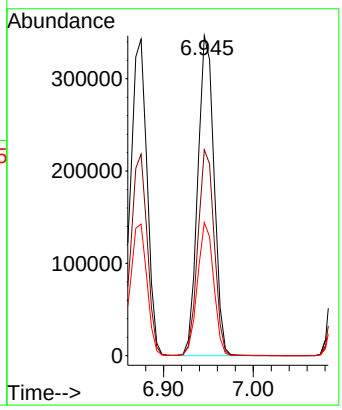


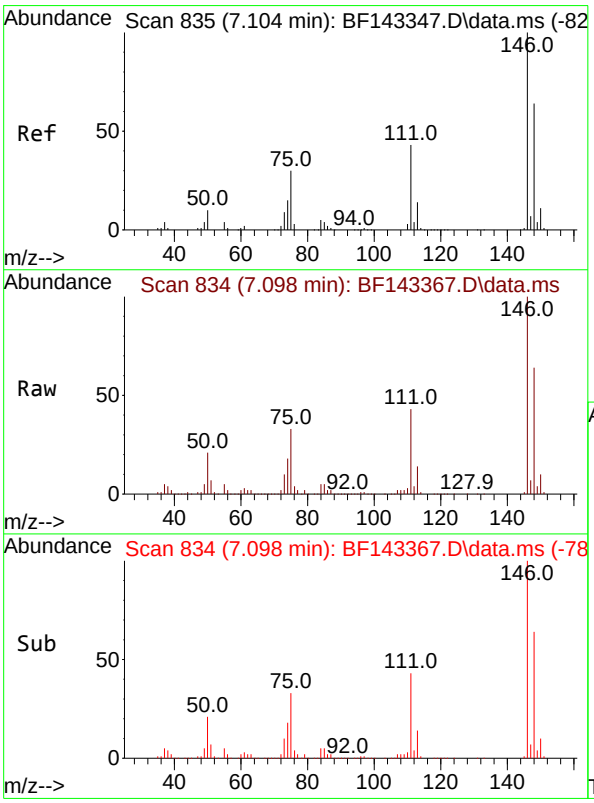
#13
1,4-Dichlorobenzene
Concen: 44.261 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:146 Resp: 436306

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
111	41.6	32.6	48.8

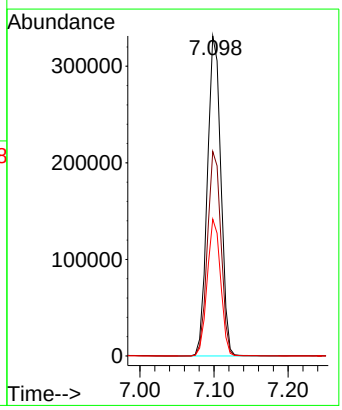


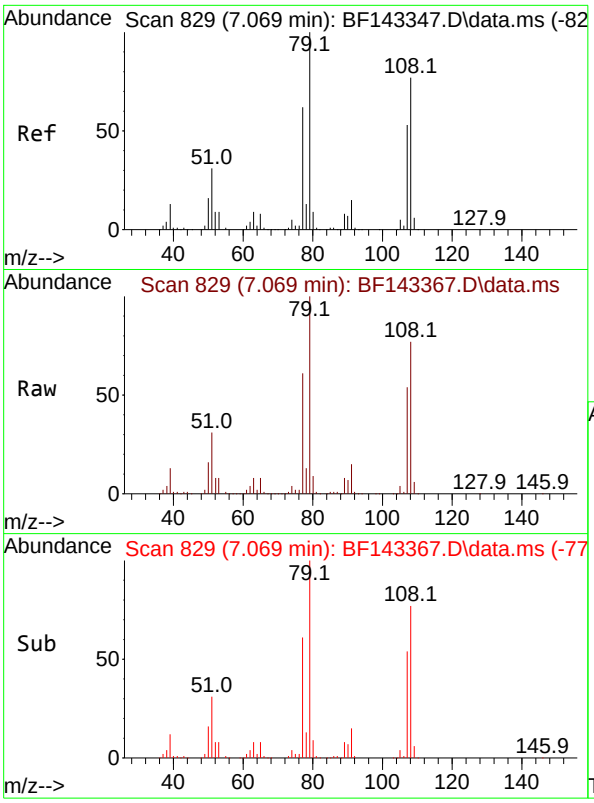


#14
1,2-Dichlorobenzene
Concen: 44.818 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:146 Resp: 419380

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	42.8	34.1	51.1



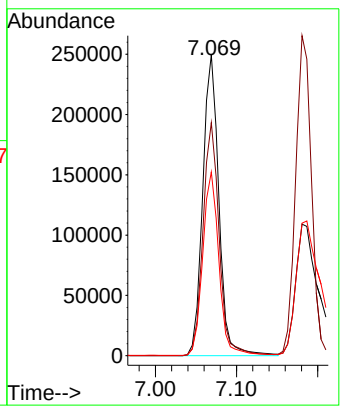


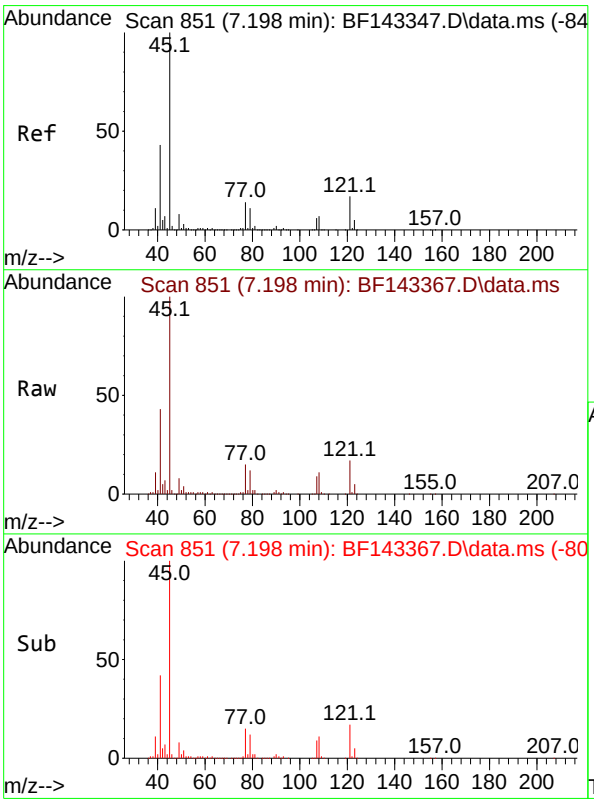
#15
Benzyl Alcohol
Concen: 47.000 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 79 Resp: 344289

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.5	92.3
77	61.0	49.8	74.8

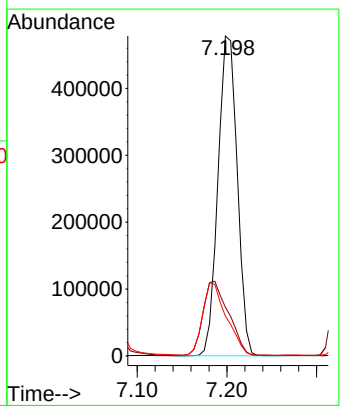


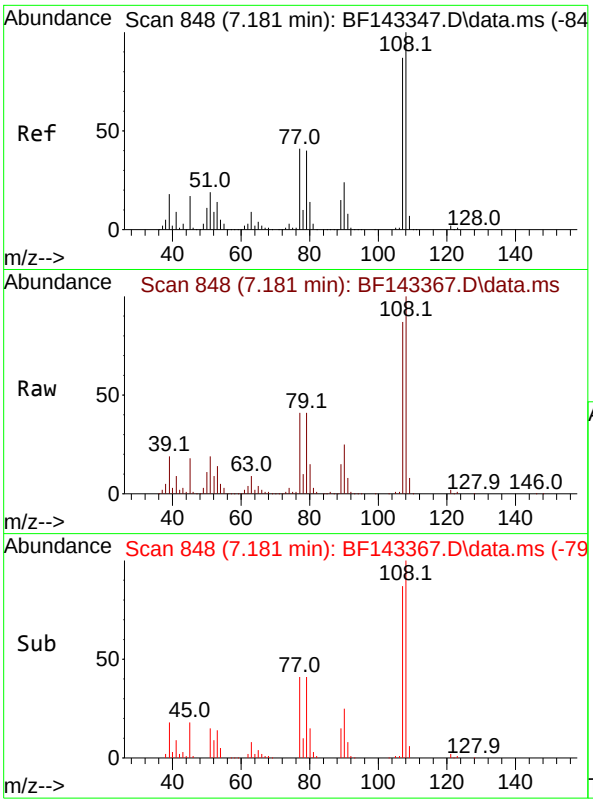


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.687 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 45 Resp: 711810

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.0
79	12.4	0.0	31.1



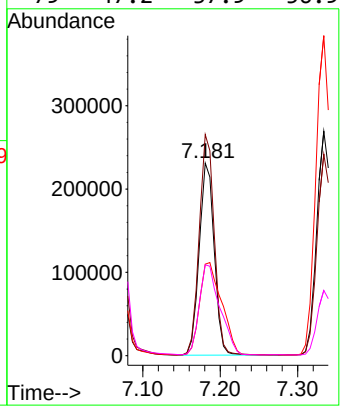


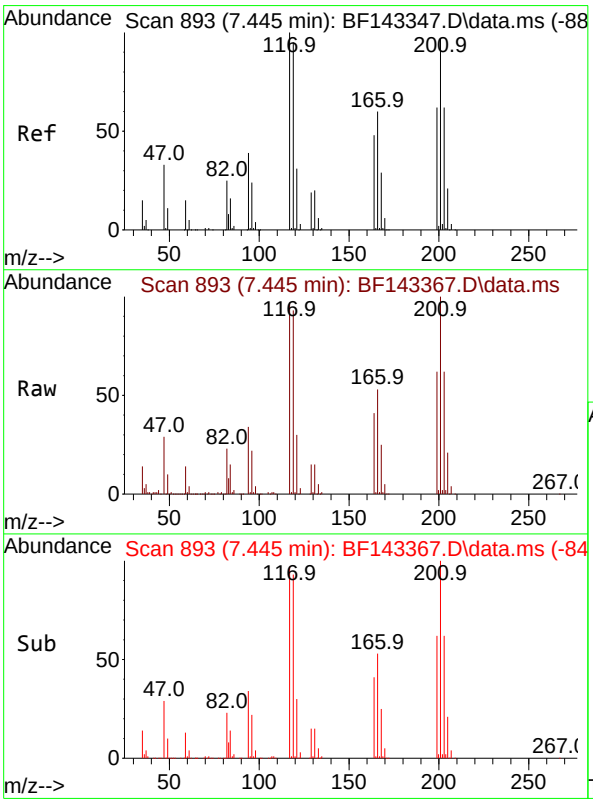
#17
2-Methylphenol
Concen: 43.198 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:107 Resp: 310496

Ion	Ratio	Lower	Upper
107	100		
108	114.8	92.0	138.0
77	47.5	38.2	57.2
79	47.2	37.9	56.9

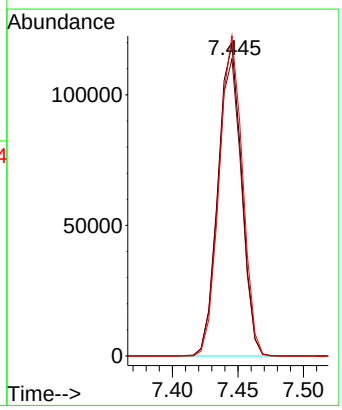


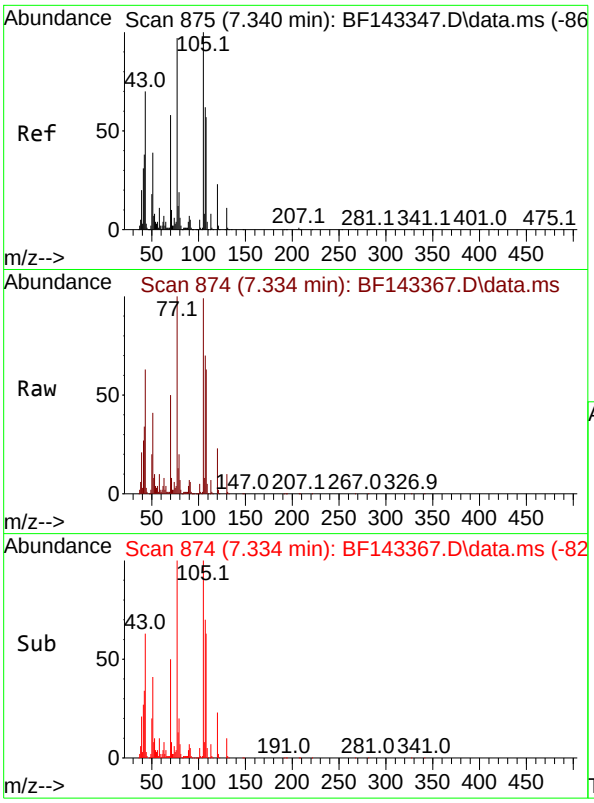


#18
Hexachloroethane
Concen: 48.325 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:117 Resp: 149347

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	102.8	77.2	115.8



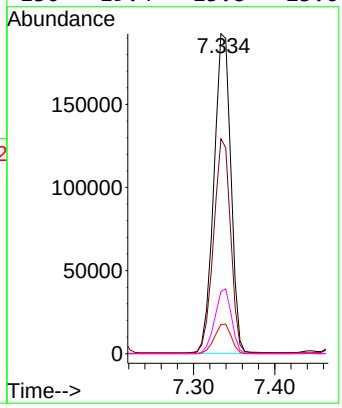


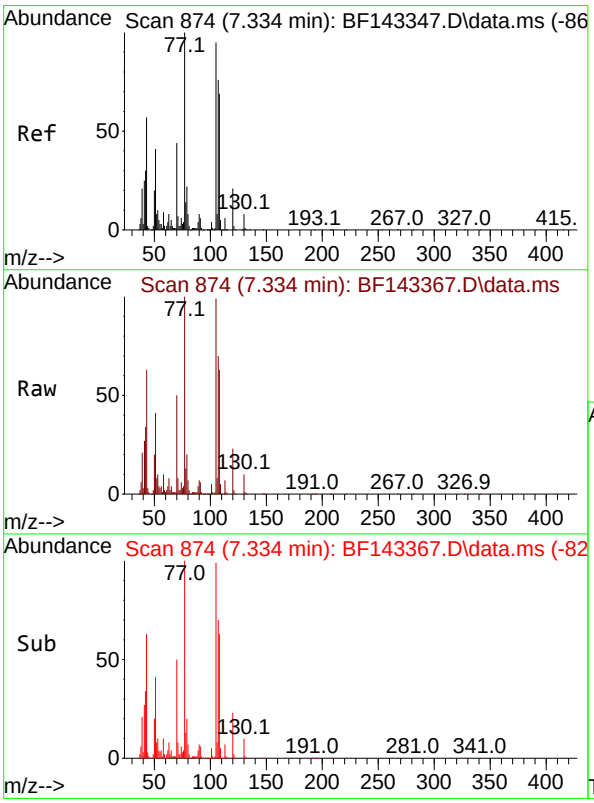
#19
n-Nitroso-di-n-propylamine
Concen: 44.386 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 70 Resp: 280271

Ion	Ratio	Lower	Upper
70	100		
42	67.1	51.6	77.4
101	9.1	7.5	11.3
130	19.4	15.8	23.6

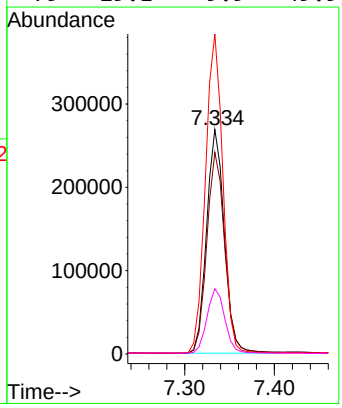


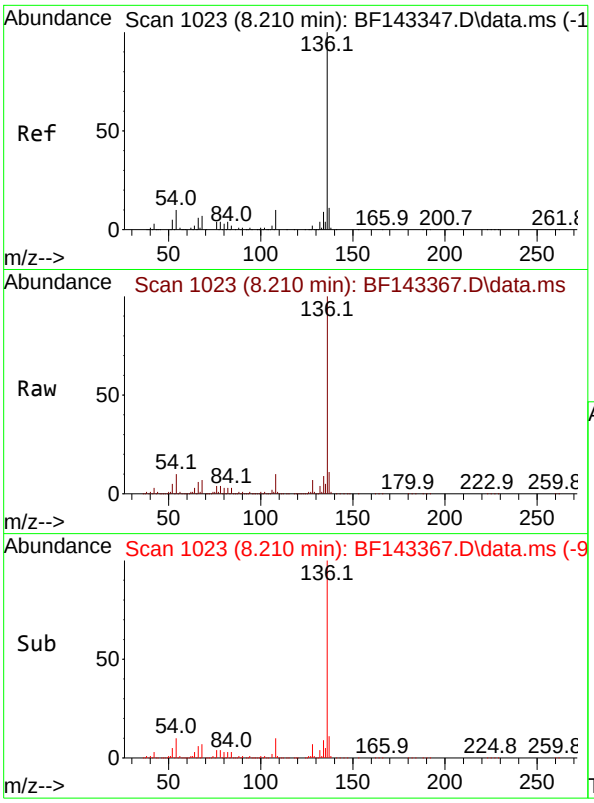


#20
3+4-Methylphenols
Concen: 42.523 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:107 Resp: 369644

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.6	110.6
77	142.5	112.0	152.0
79	29.1	9.9	49.9



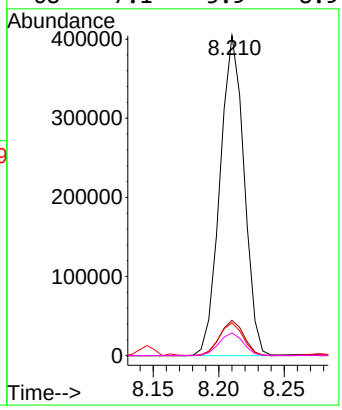


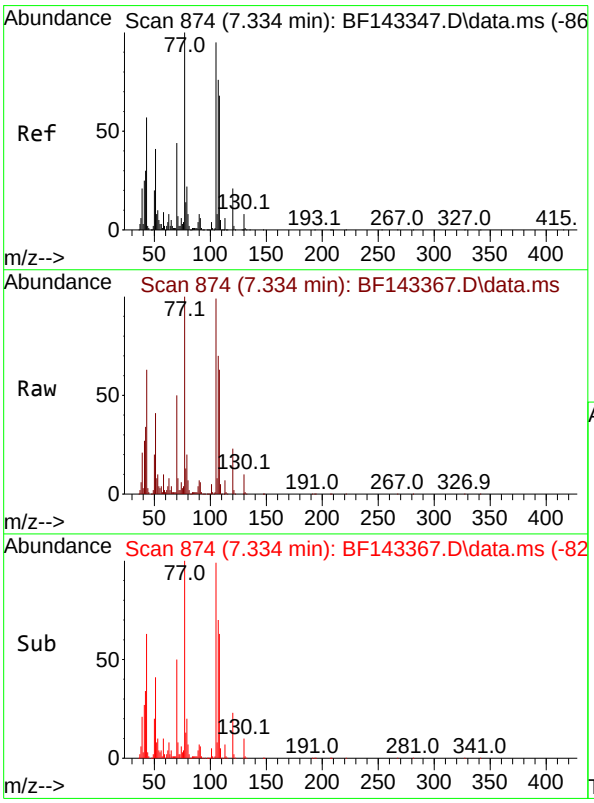
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:136 Resp: 517024

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.4	12.6
68	7.1	5.9	8.9

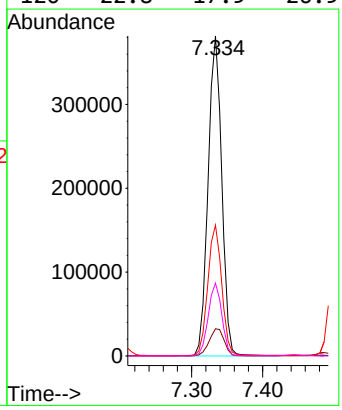


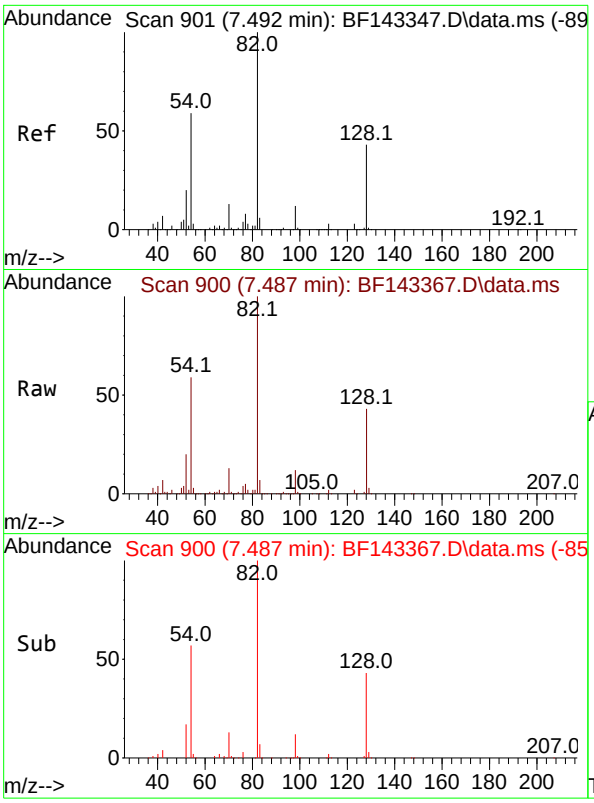


#22
Acetophenone
Concen: 44.896 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:105 Resp: 511443

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.2	9.4
51	40.9	34.8	52.2
120	22.8	17.9	26.9



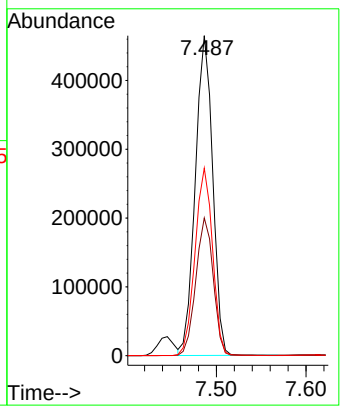


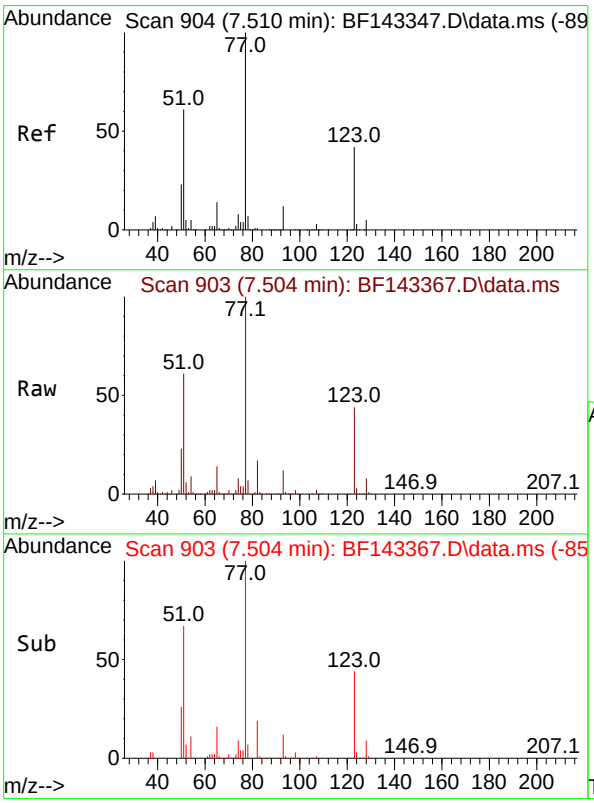
#23
Nitrobenzene-d5
Concen: 75.422 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 82 Resp: 626187

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.5	50.3
54	58.6	46.7	70.1

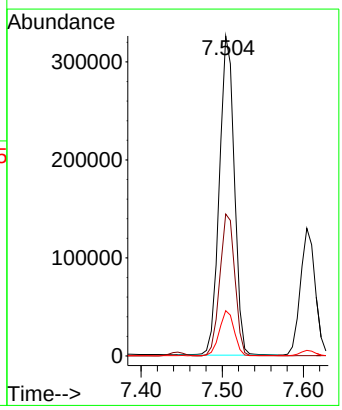


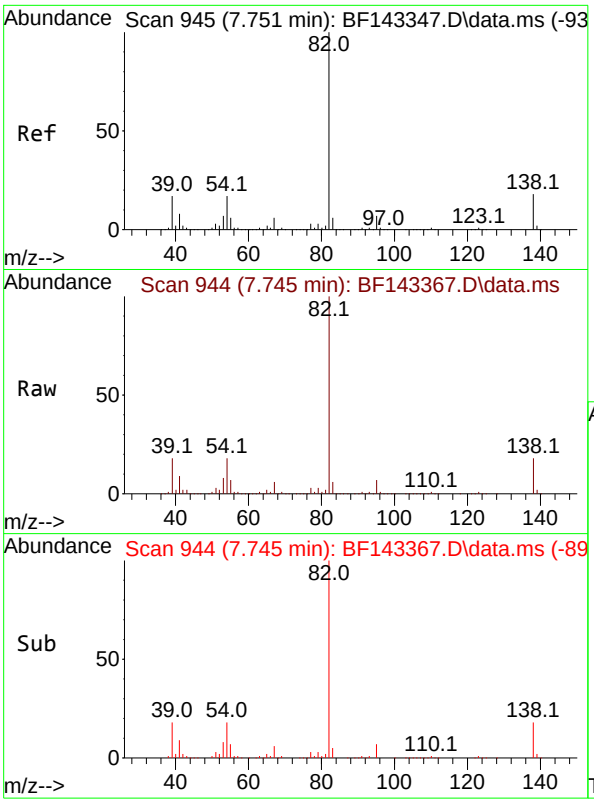


#24
Nitrobenzene
Concen: 46.430 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 77 Resp: 418648

Ion	Ratio	Lower	Upper
77	100		
123	44.3	34.8	52.2
65	14.2	11.0	16.6



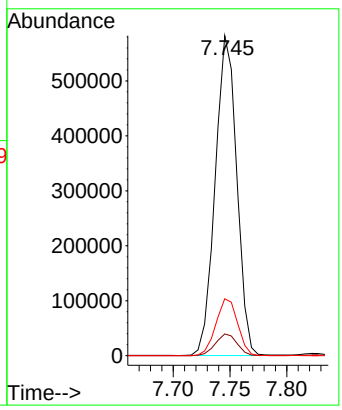


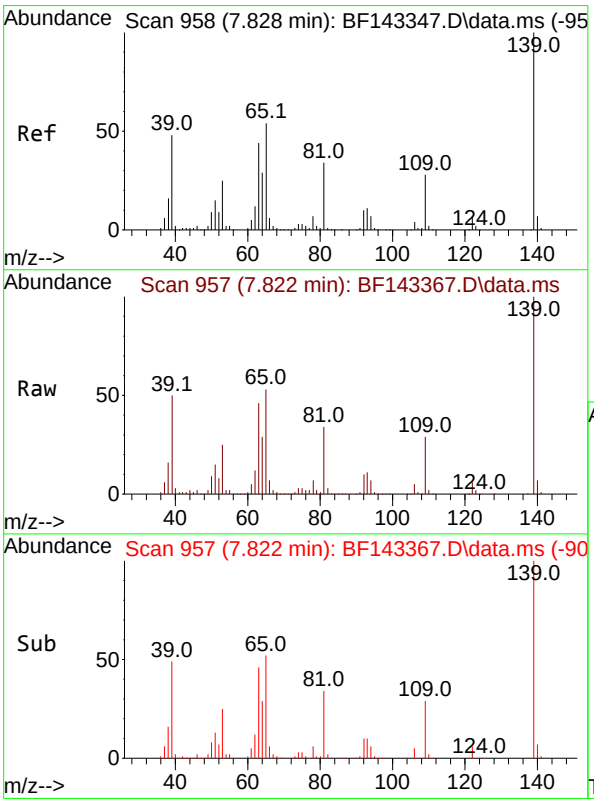
#25
Isophorone
Concen: 45.335 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 82 Resp: 768386

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	14.6	21.8

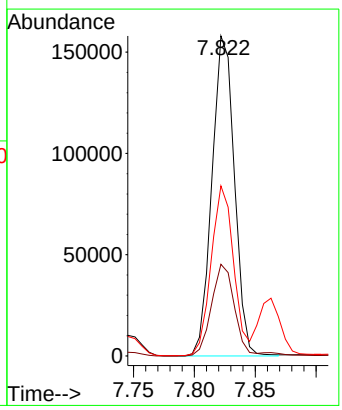


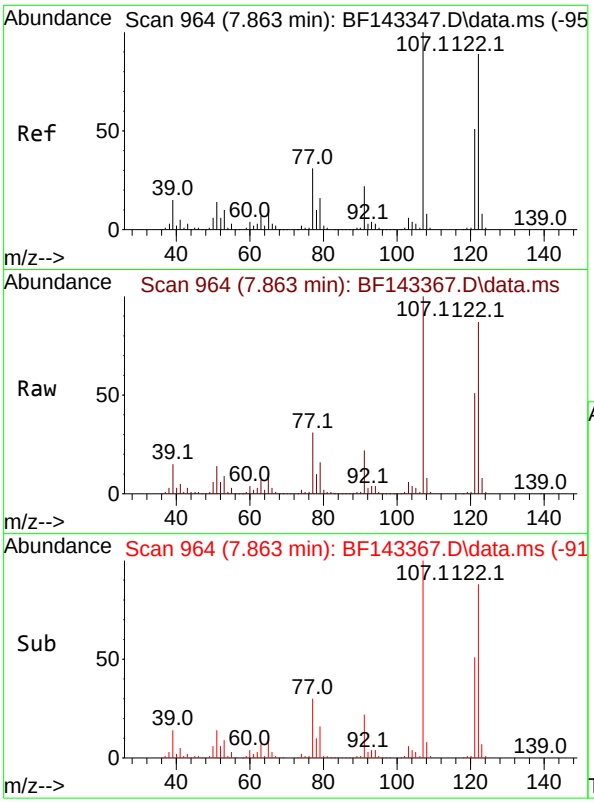


#26
2-Nitrophenol
Concen: 55.608 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:139 Resp: 203194

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.4	33.6
65	53.2	42.9	64.3



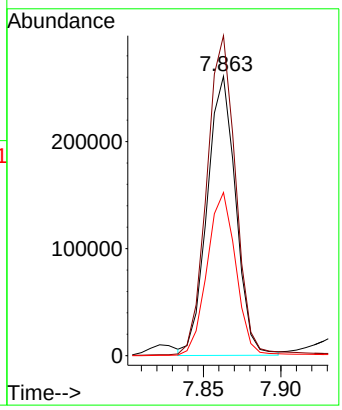


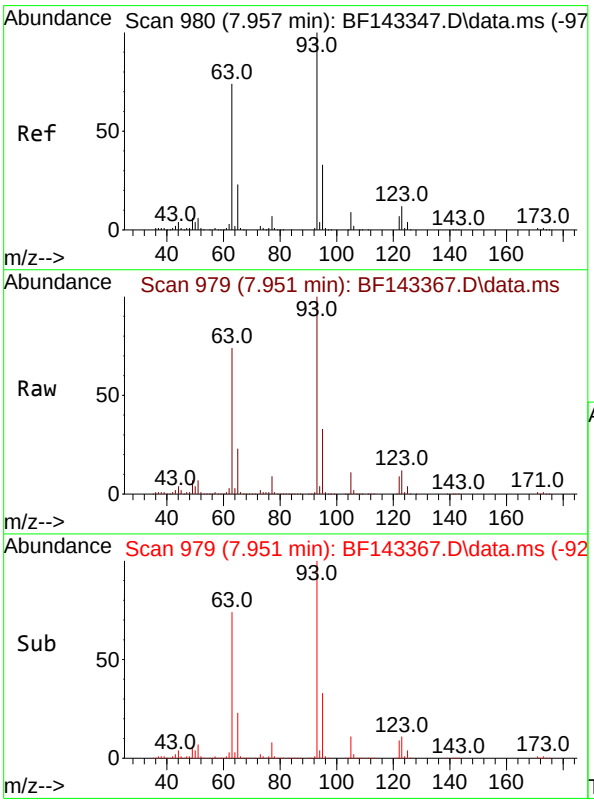
#27
2,4-Dimethylphenol
Concen: 47.387 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:122 Resp: 335080

Ion	Ratio	Lower	Upper
122	100		
107	114.5	89.9	134.9
121	58.4	46.2	69.4

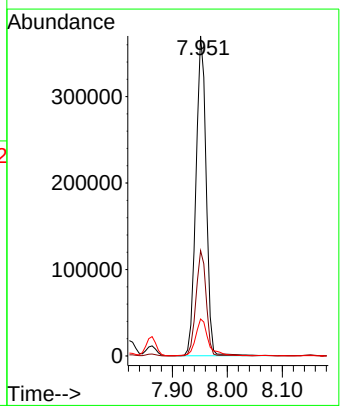


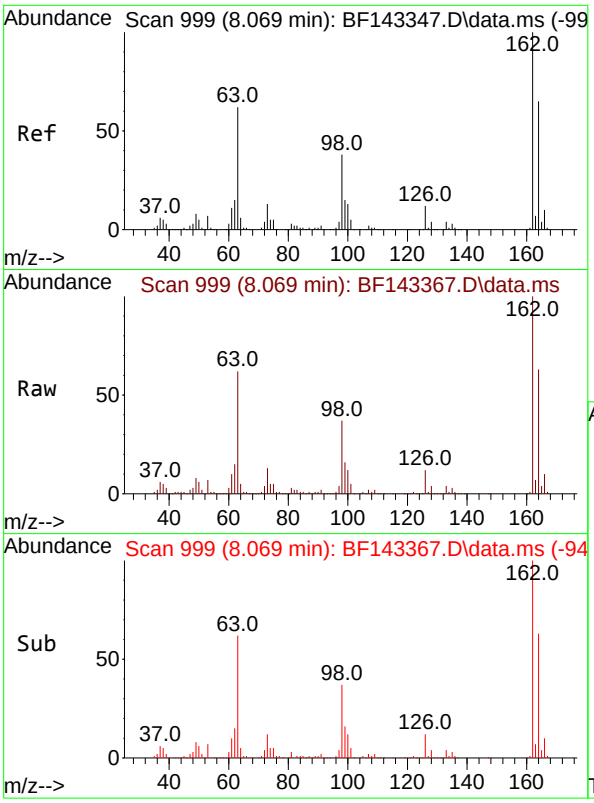


#28
bis(2-Chloroethoxy)methane
Concen: 46.267 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 93 Resp: 478776

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	11.6	9.4	14.2



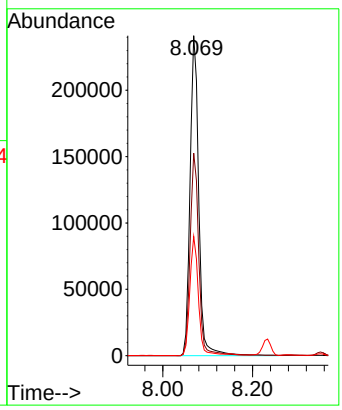


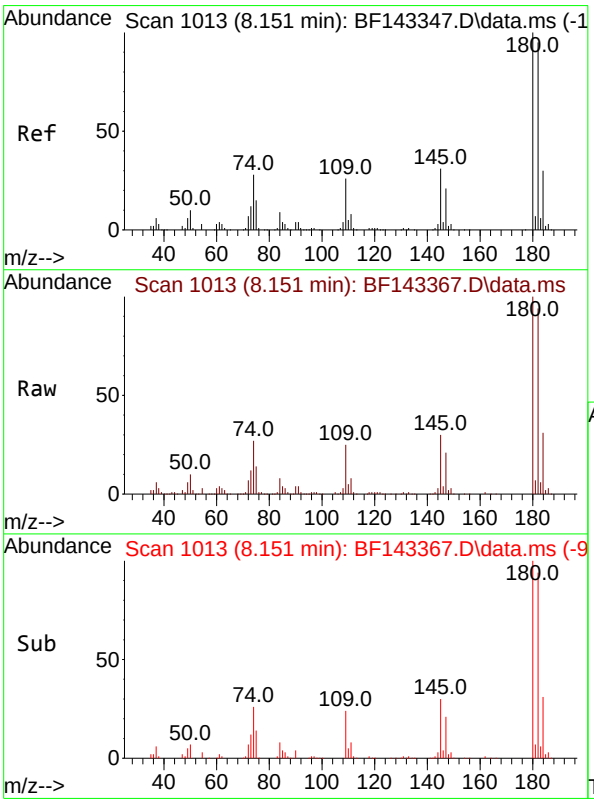
#29
2,4-Dichlorophenol
Concen: 46.926 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:162 Resp: 324090

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.5	84.5
98	37.3	17.7	57.7

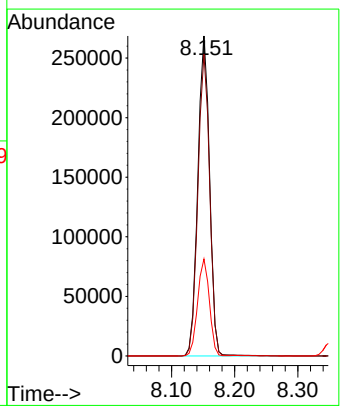


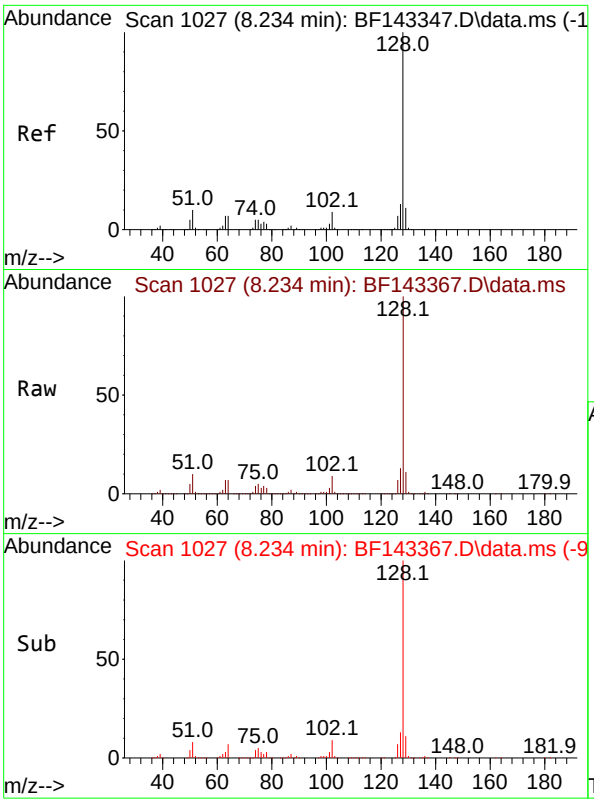


#30
1,2,4-Trichlorobenzene
Concen: 47.679 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:180 Resp: 347348

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	30.3	24.9	37.3



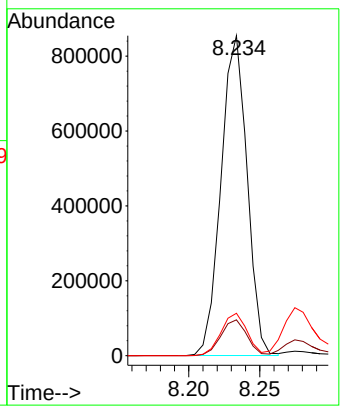


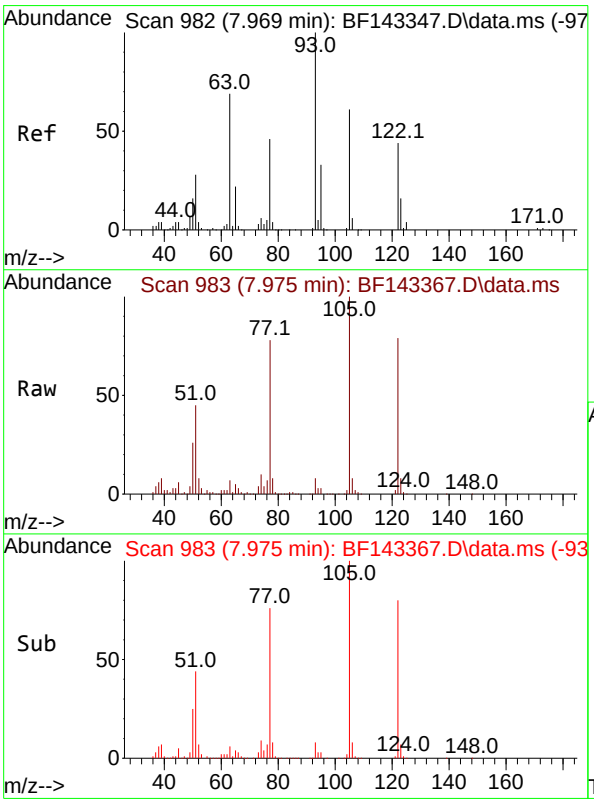
#31
Naphthalene
Concen: 43.806 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:128 Resp: 1089838

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.7	16.1

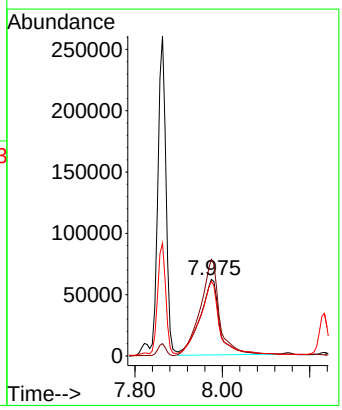


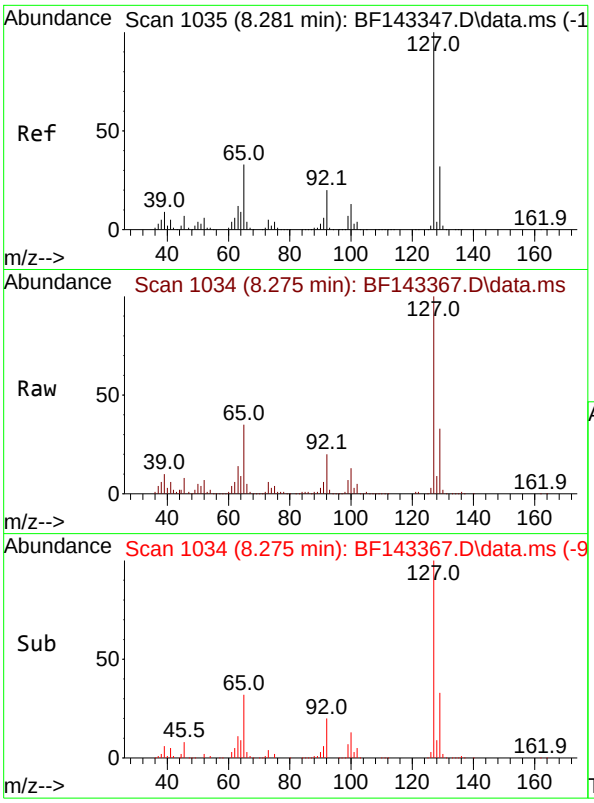


#32
Benzoic acid
Concen: 58.598 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:122 Resp: 193304

Ion	Ratio	Lower	Upper
122	100		
105	126.2	106.4	146.4
77	98.0	79.2	119.2



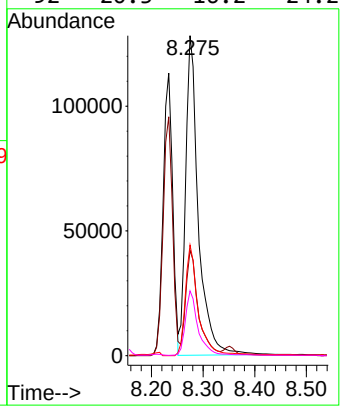


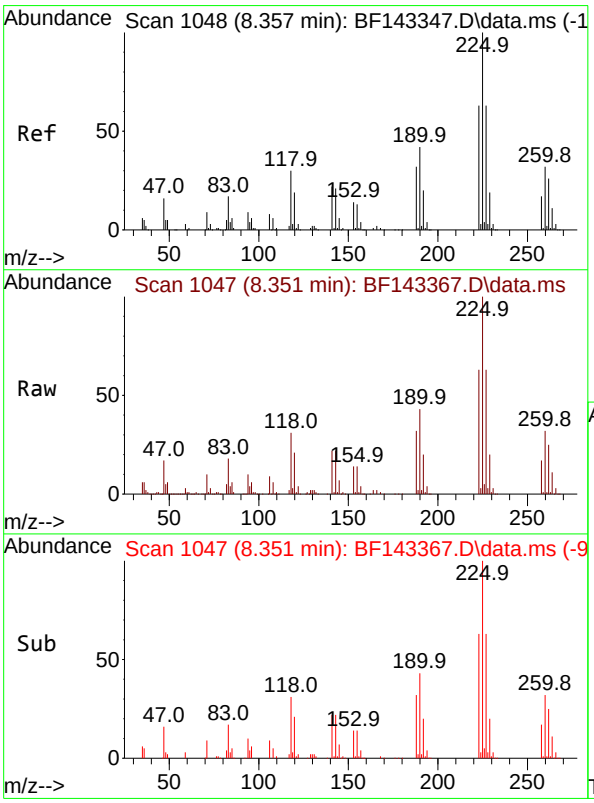
#33
4-Chloroaniline
Concen: 24.424 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:127 Resp: 219162

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.5	27.0	40.4
92	20.3	16.2	24.2

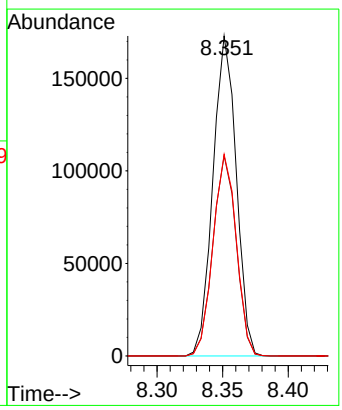


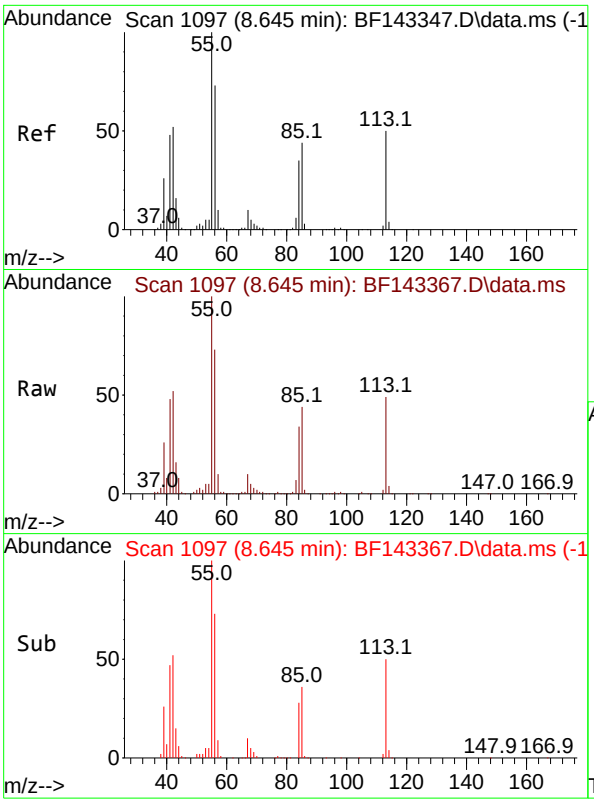


#34
Hexachlorobutadiene
Concen: 47.123 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:225 Resp: 213552

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.0	50.6	75.8



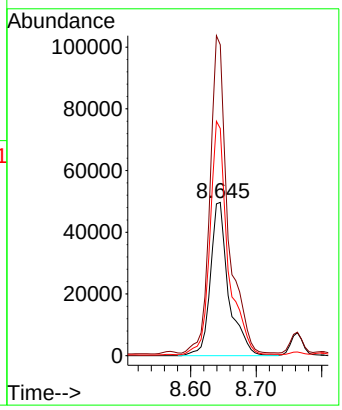


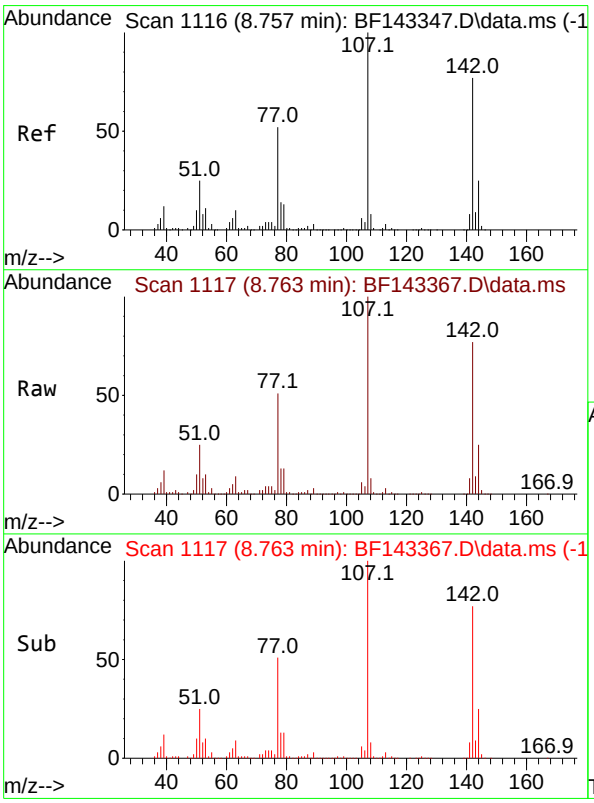
#35
Caprolactam
Concen: 49.365 ng
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:113 Resp: 95843

Ion	Ratio	Lower	Upper
113	100		
55	202.8	181.4	221.4
56	148.3	127.3	167.3

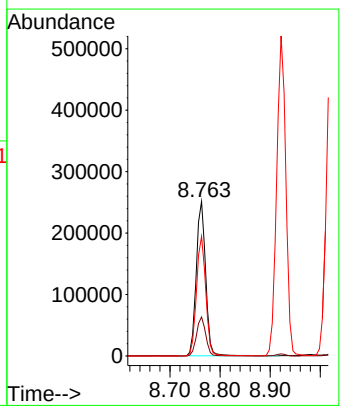


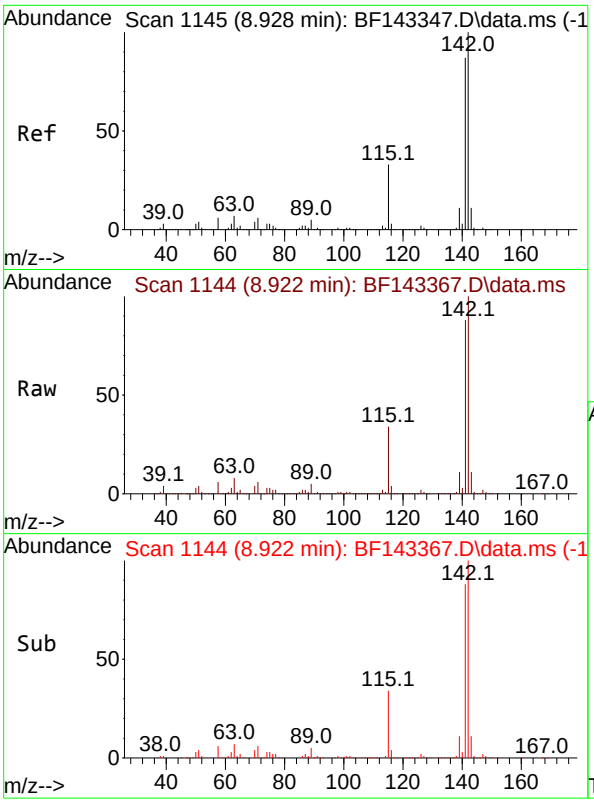


#36
4-Chloro-3-methylphenol
Concen: 44.895 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:107 Resp: 325053

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.0	30.0
142	77.4	61.3	91.9



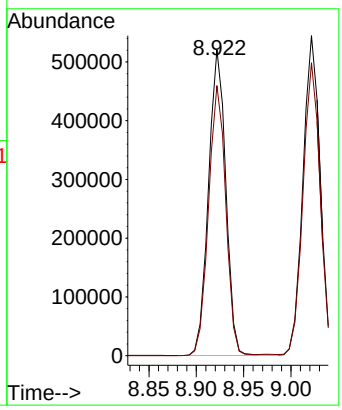


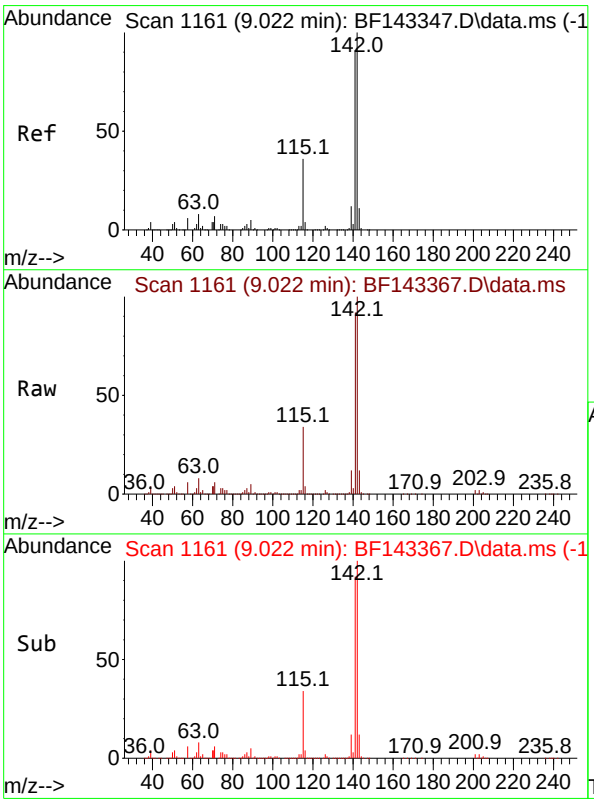
#37
2-Methylnaphthalene
Concen: 40.391 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:142 Resp: 660623

Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.8	104.8

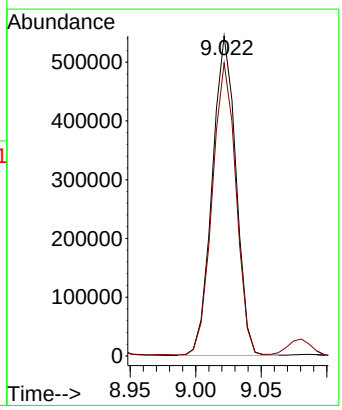


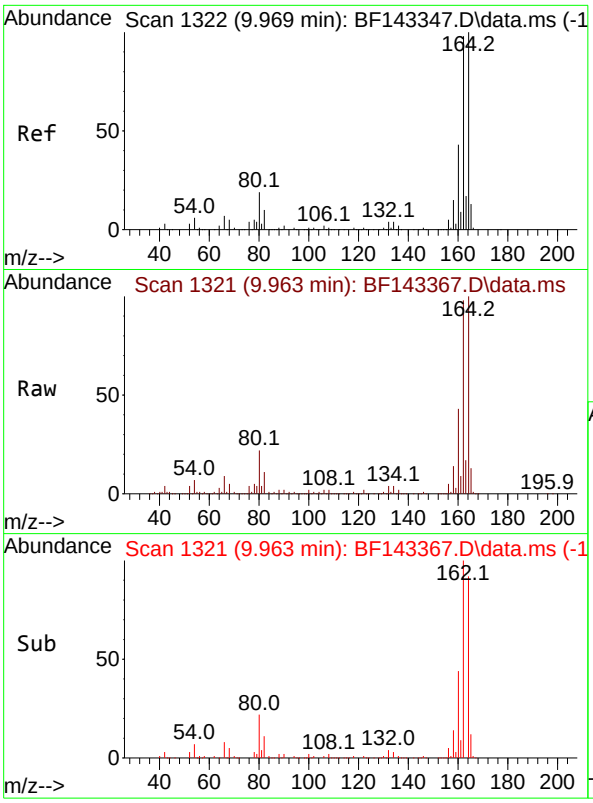


#38
1-Methylnaphthalene
Concen: 43.320 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:142 Resp: 682387

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4



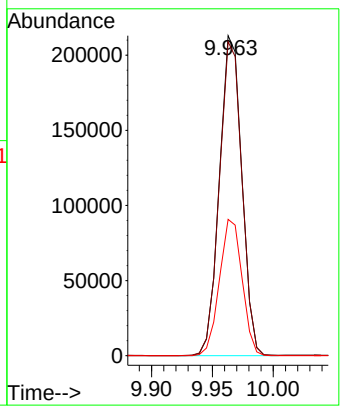


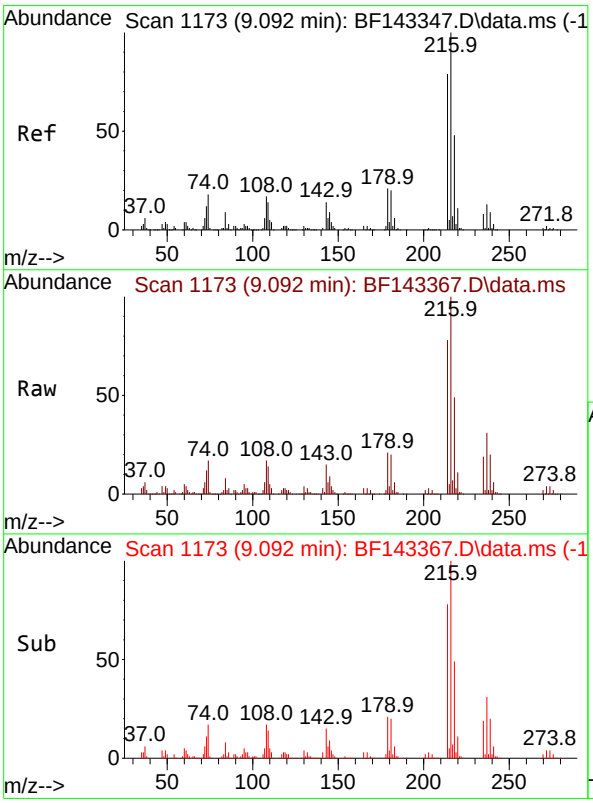
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:164 Resp: 272568

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.6	118.0
160	42.6	34.4	51.6

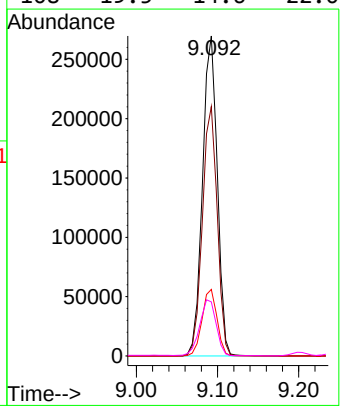


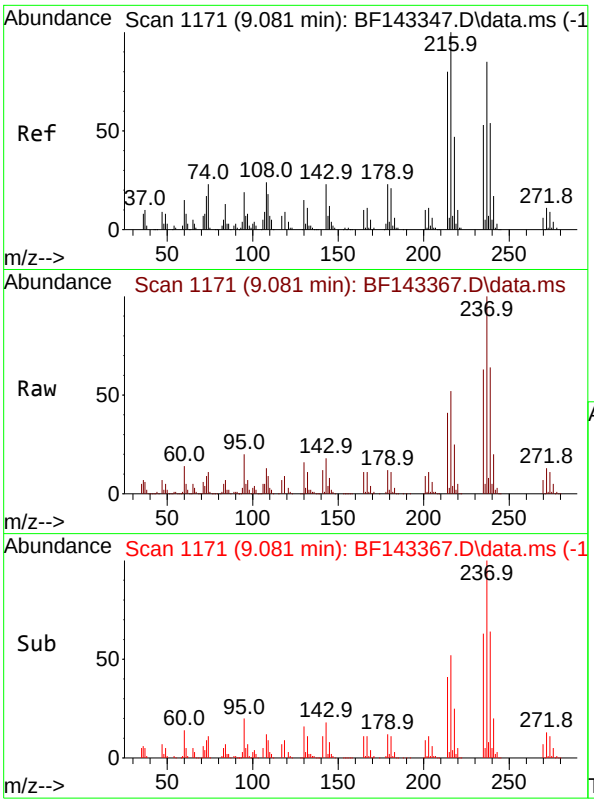


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.694 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:216 Resp: 340812

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.0	17.0	25.4
108	19.5	14.6	22.0



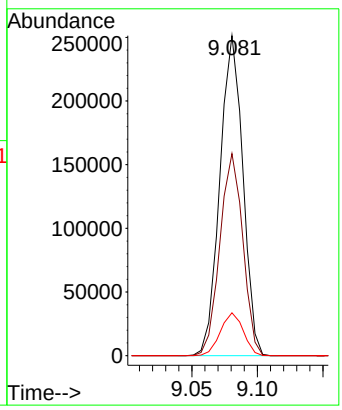


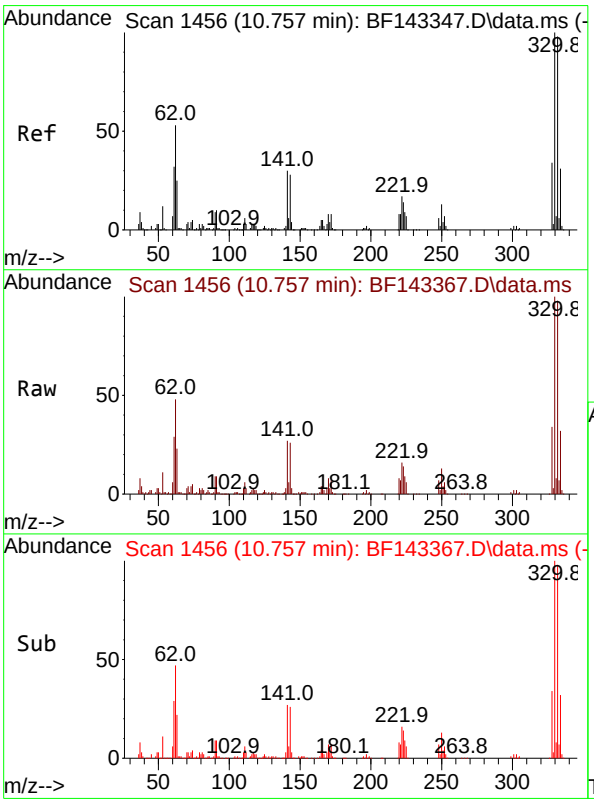
#41
Hexachlorocyclopentadiene
Concen: 113.347 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:237 Resp: 306137

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.0	82.0
272	13.4	0.0	32.6

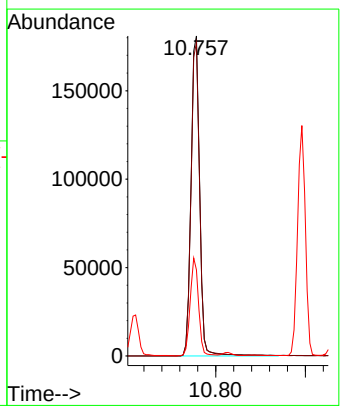


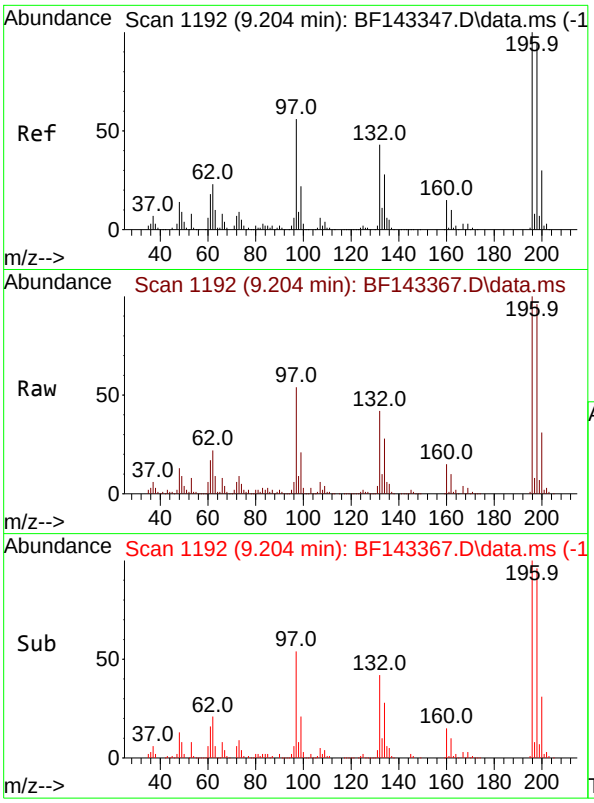


#42
2,4,6-Tribromophenol
Concen: 121.066 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:330 Resp: 241161

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	29.9	25.4	38.0



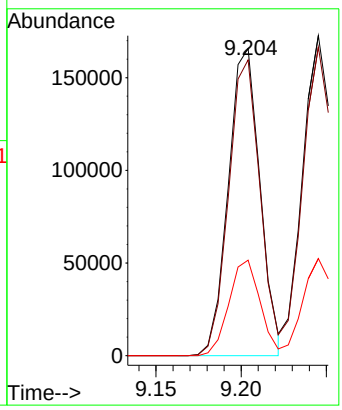


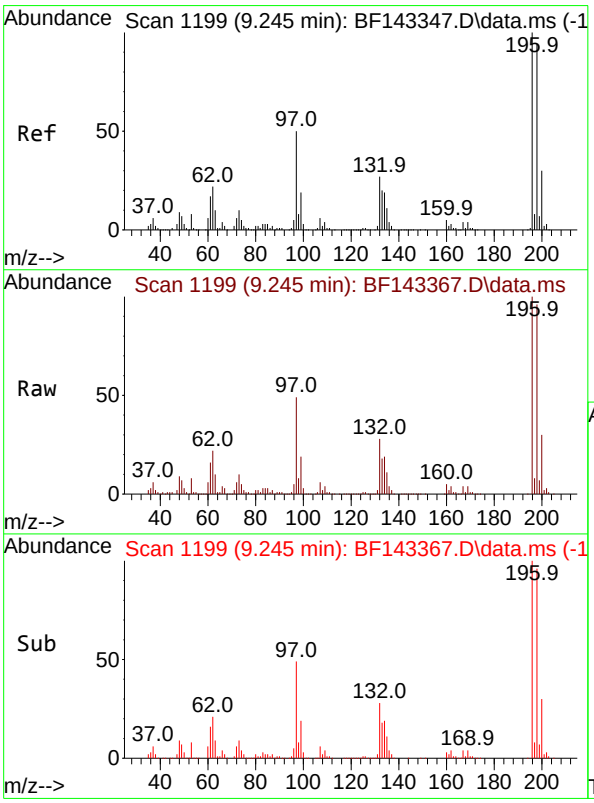
#43
2,4,6-Trichlorophenol
Concen: 50.715 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:196 Resp: 214621

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.4	113.0
200	31.1	24.3	36.5

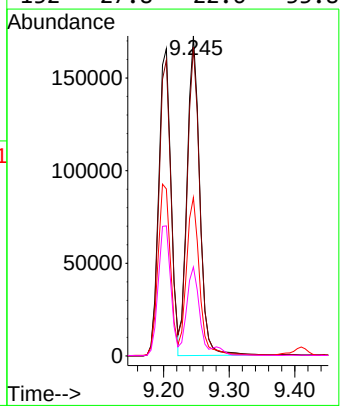


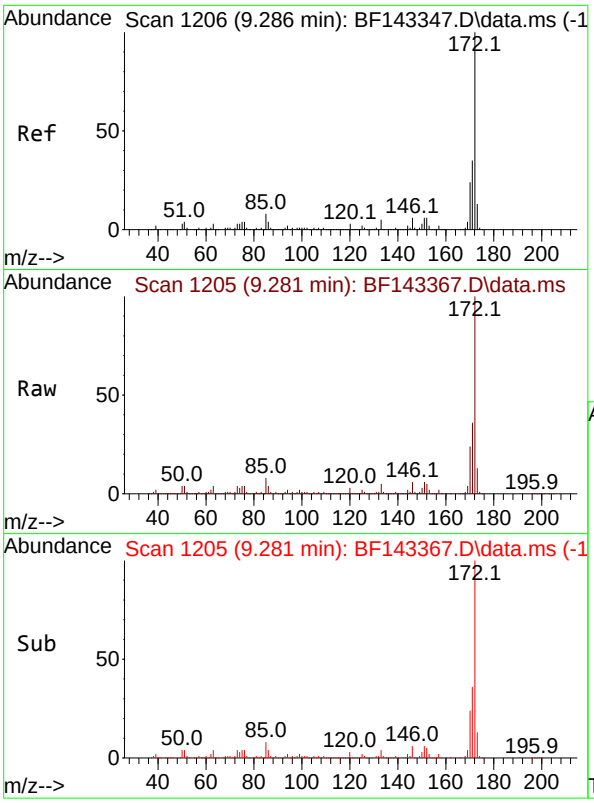


#44
2,4,5-Trichlorophenol
Concen: 48.084 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:196 Resp: 229789

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.4	113.2
97	49.5	39.9	59.9
132	27.8	22.6	33.8



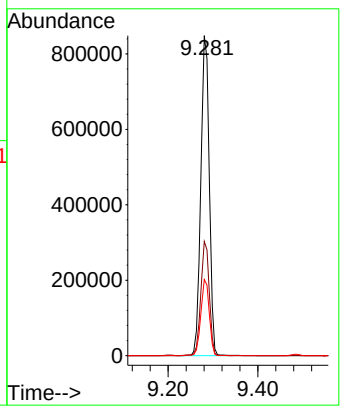


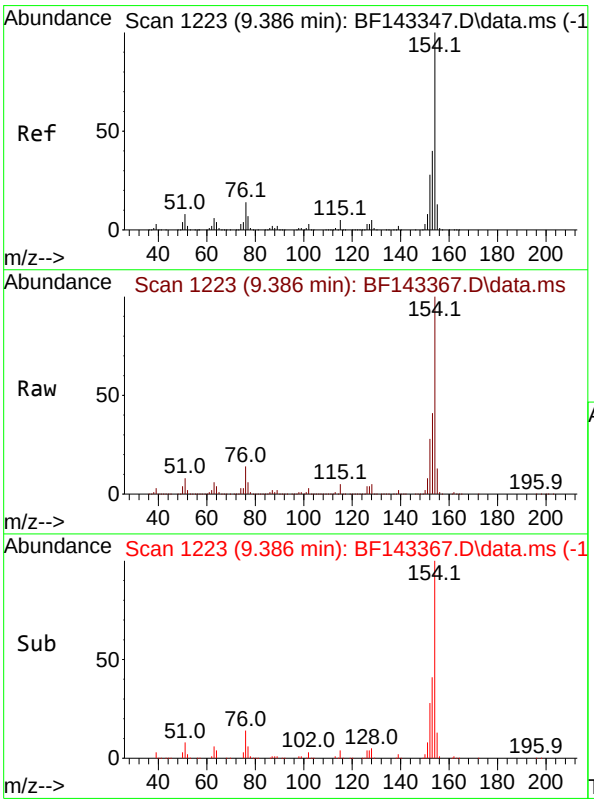
#45
2-Fluorobiphenyl
Concen: 68.922 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:172 Resp: 1107824

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.8	19.1	28.7

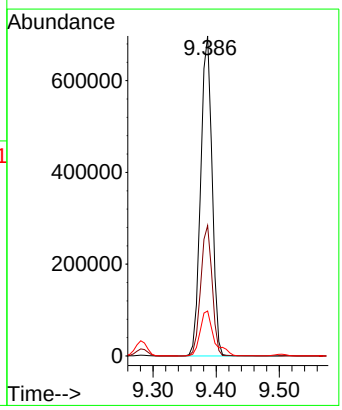


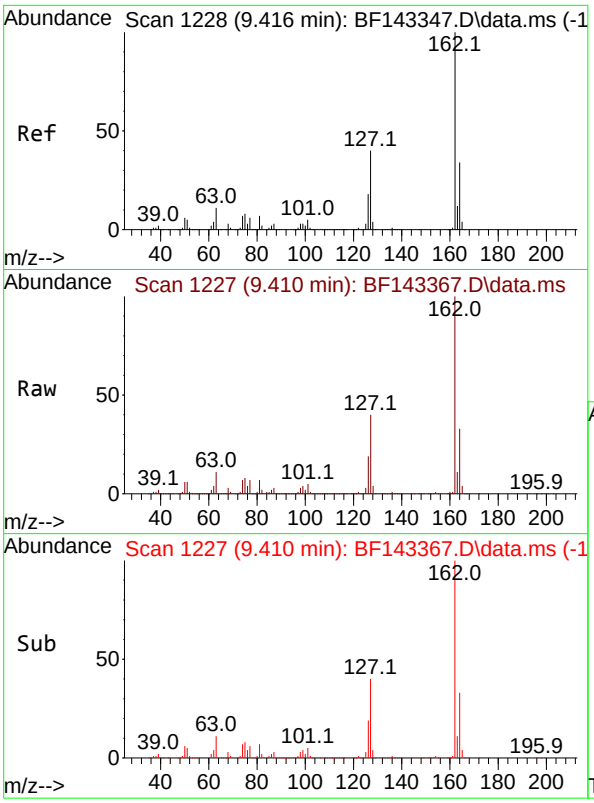


#46
1,1'-Biphenyl
Concen: 45.476 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:154 Resp: 876424

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.2	60.2
76	14.1	0.0	34.4



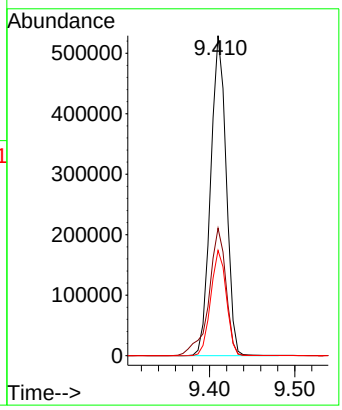


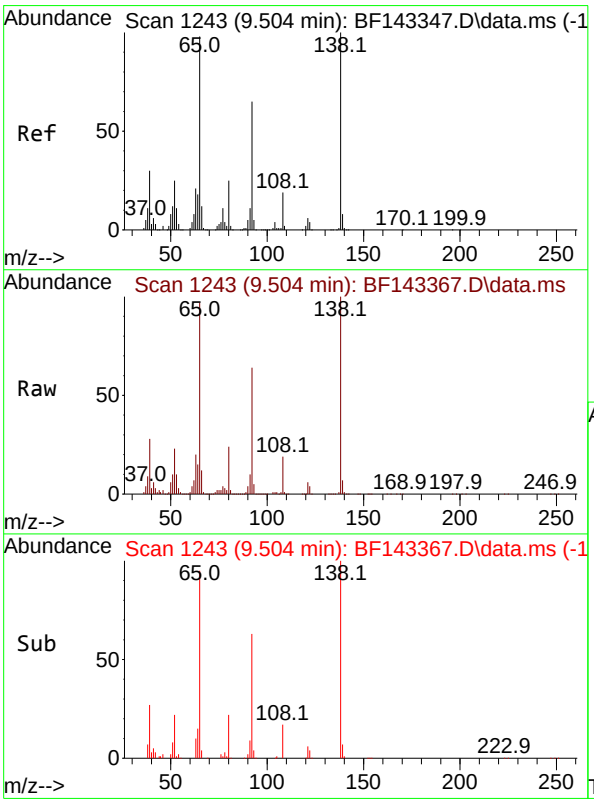
#47
2-Chloronaphthalene
Concen: 44.200 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:162 Resp: 670874

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	32.9	27.0	40.4

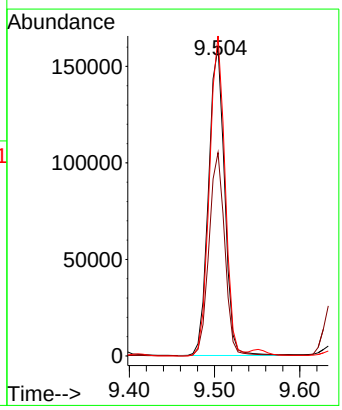


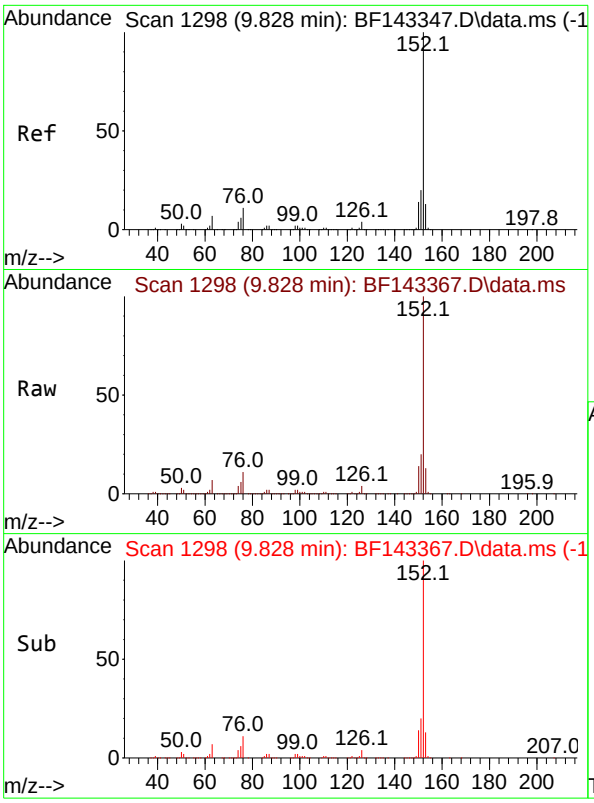


#48
2-Nitroaniline
Concen: 47.772 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion: 65 Resp: 209062

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.1	79.7
138	103.6	81.4	122.0



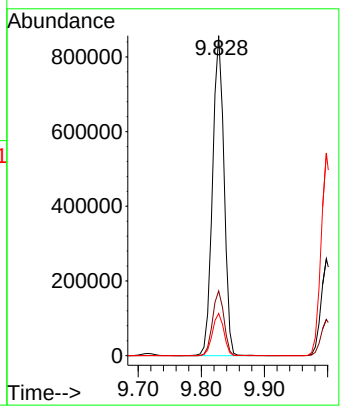


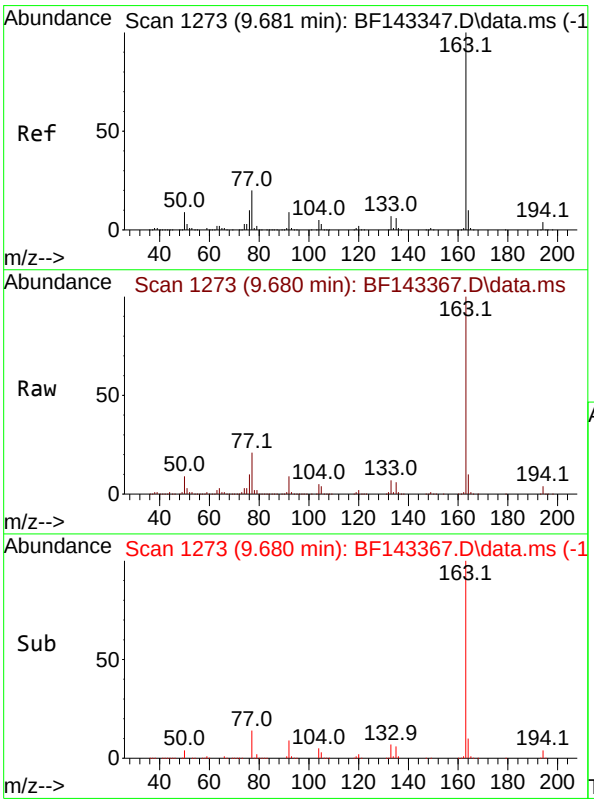
#49
Acenaphthylene
Concen: 49.207 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:152 Resp: 1078567

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.2	10.6	16.0

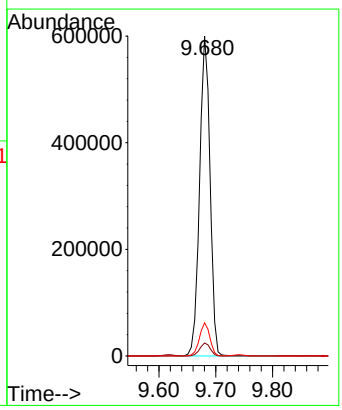


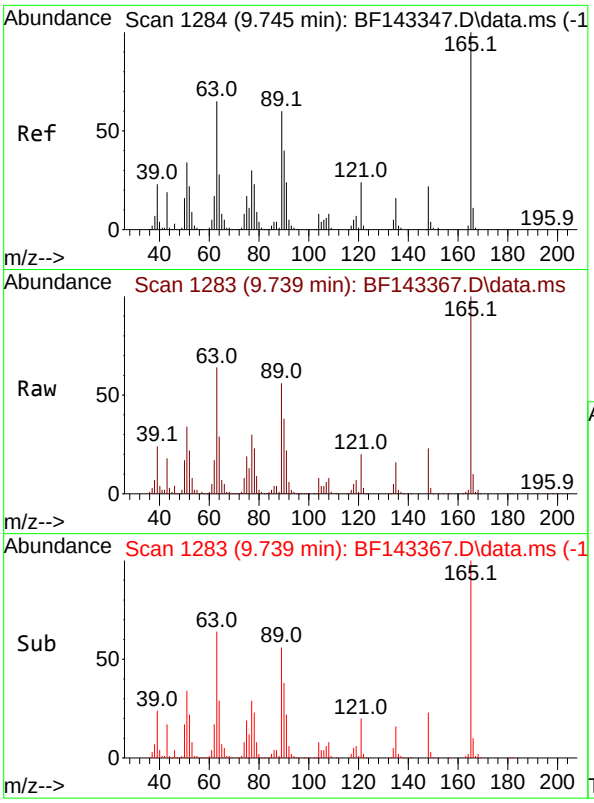


#50
Dimethylphthalate
Concen: 48.184 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:163 Resp: 767406

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.2



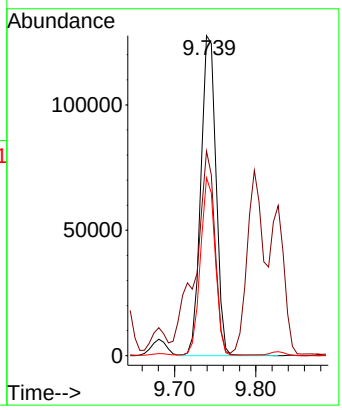


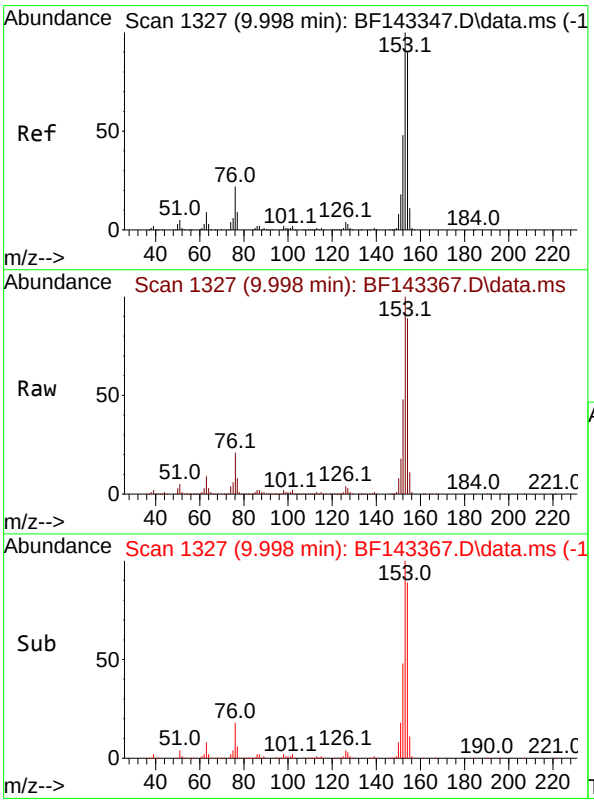
#51
2,6-Dinitrotoluene
Concen: 54.402 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:165 Resp: 165224

Ion	Ratio	Lower	Upper
165	100		
63	63.9	51.6	77.4
89	55.6	47.7	71.5

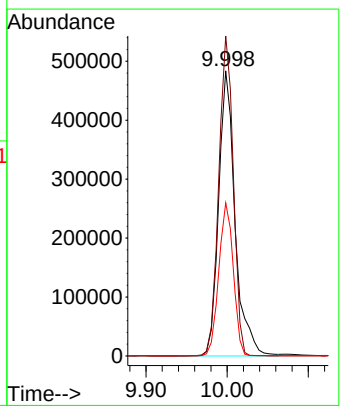


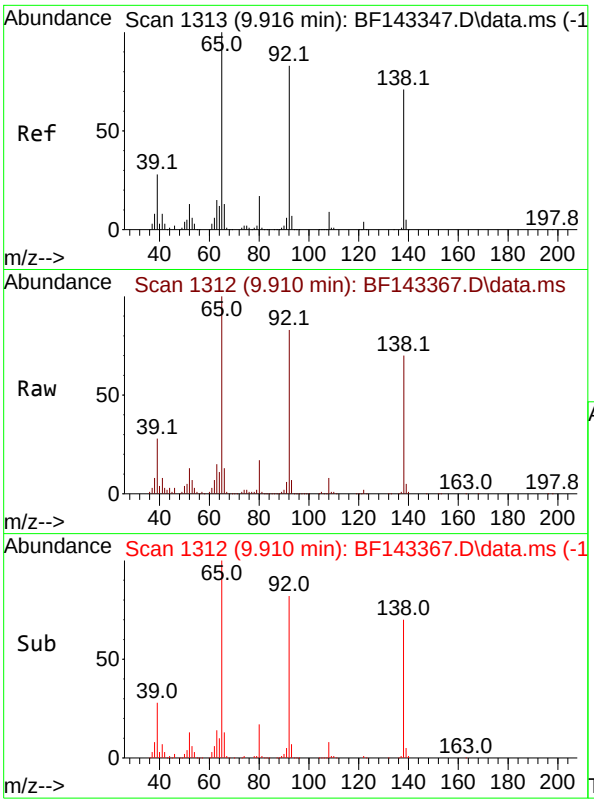


#52
Acenaphthene
Concen: 46.824 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:154 Resp: 682321

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.5	132.7
152	53.7	42.4	63.6



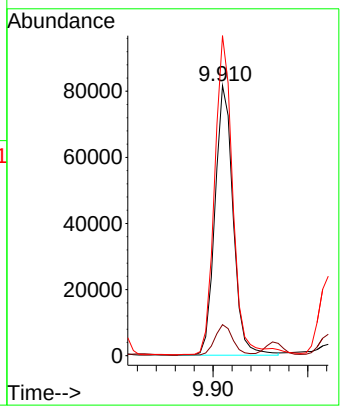


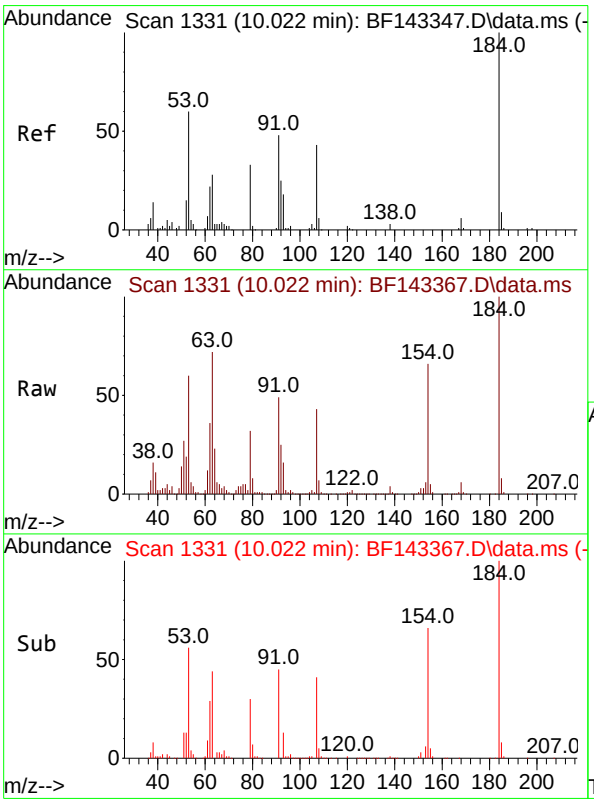
#53
3-Nitroaniline
Concen: 33.253 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:138 Resp: 108458

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.6	14.4
92	118.5	93.4	140.2

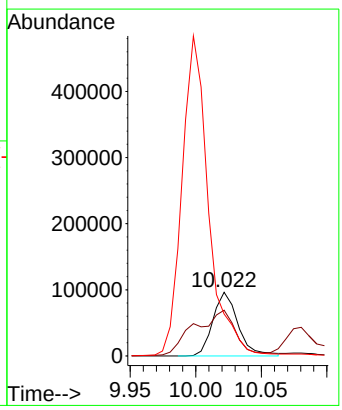


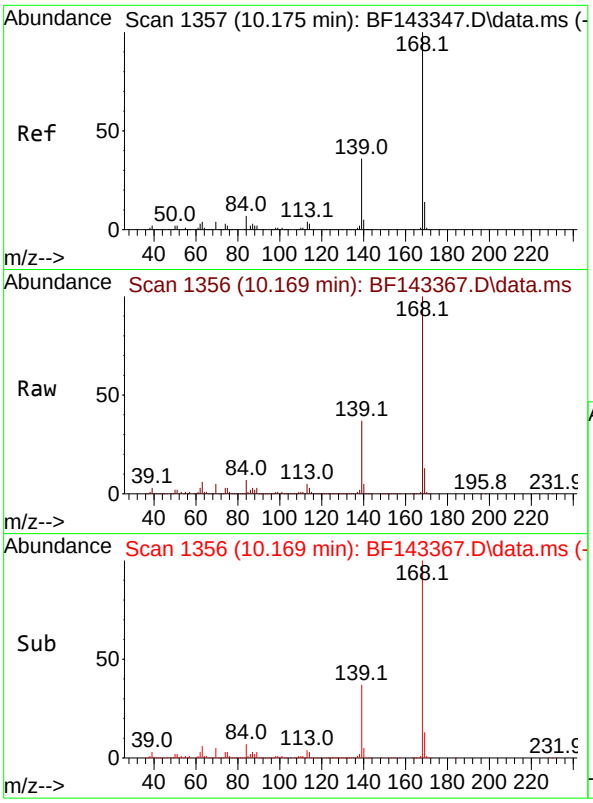


#54
2,4-Dinitrophenol
Concen: 93.173 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:184 Resp: 128950

Ion	Ratio	Lower	Upper
184	100		
63	71.9	62.5	93.7
154	66.0	73.0	109.4#



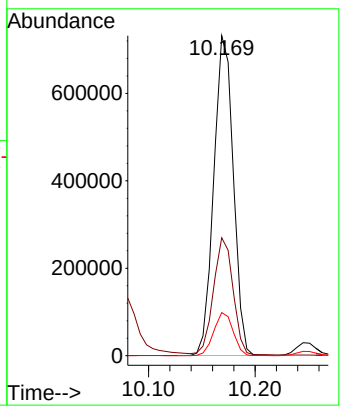


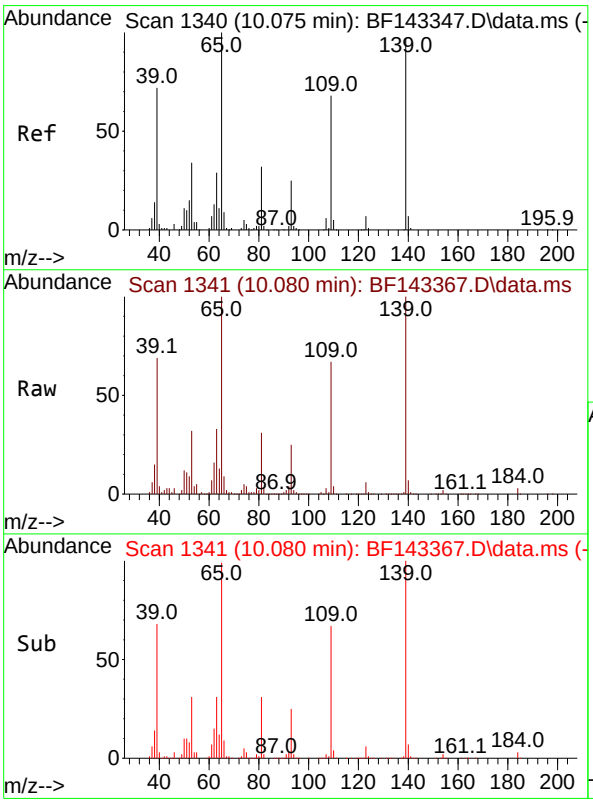
#55
Dibenzofuran
Concen: 44.351 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:168 Resp: 930157

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.4	44.0
169	13.5	11.0	16.6

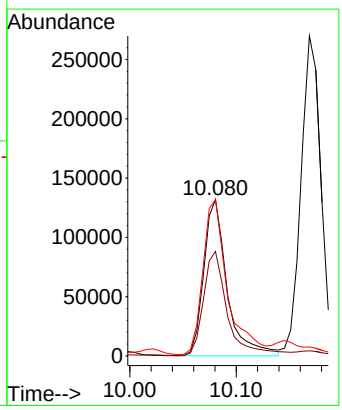


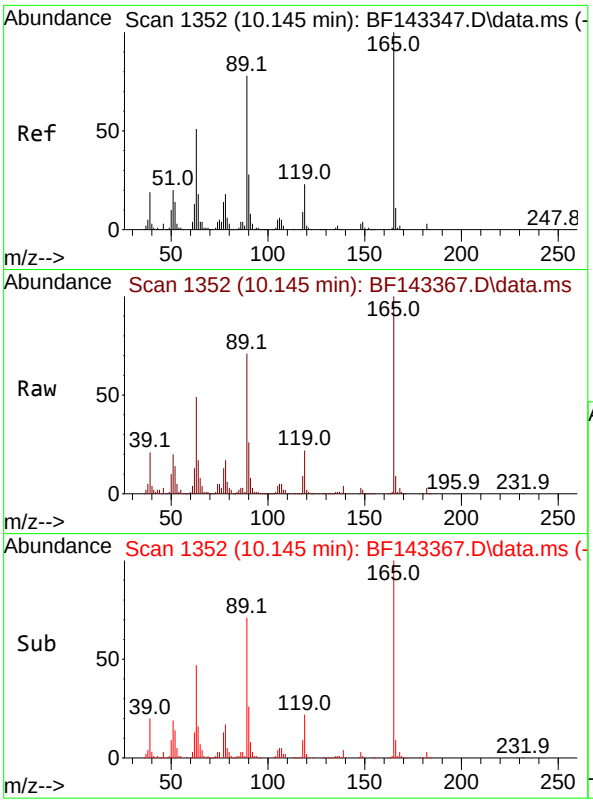


#56
4-Nitrophenol
Concen: 77.373 ng
RT: 10.080 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:139 Resp: 201185

Ion	Ratio	Lower	Upper
139	100		
109	66.8	49.4	89.4
65	99.9	83.7	123.7



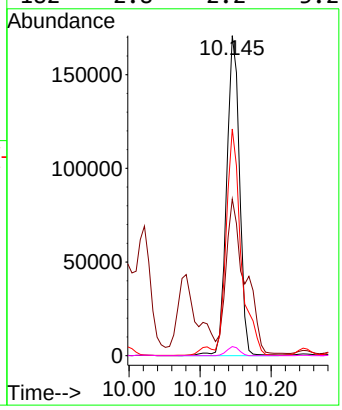


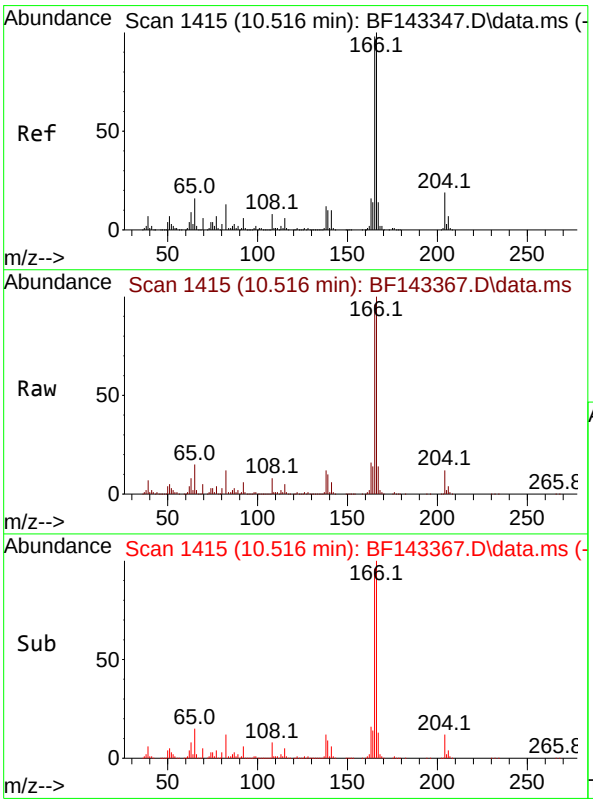
#57
2,4-Dinitrotoluene
Concen: 53.556 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:165 Resp: 215672

Ion	Ratio	Lower	Upper
165	100		
63	49.0	41.8	62.8
89	70.8	62.4	93.6
182	2.8	2.2	3.2

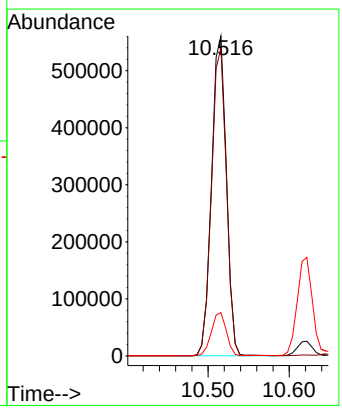


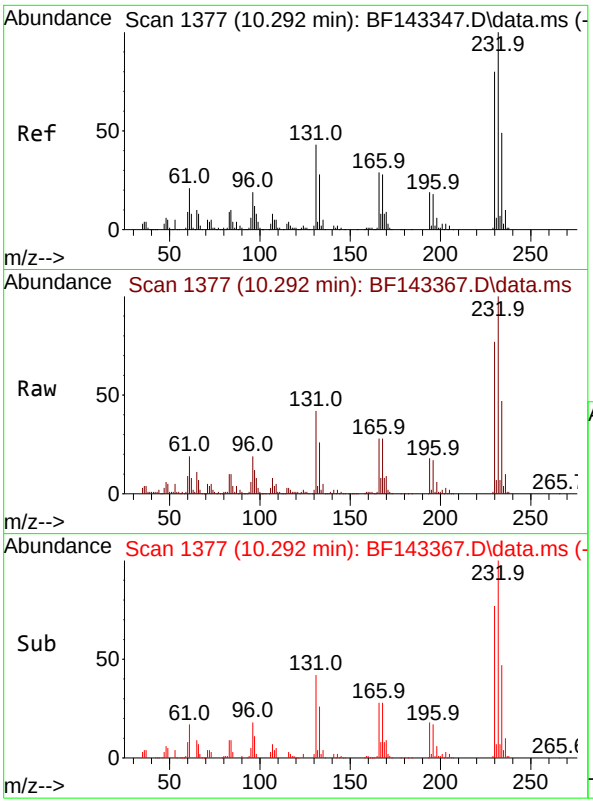


#58
Fluorene
Concen: 44.351 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:166 Resp: 710470

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.2	117.4
167	13.5	10.9	16.3



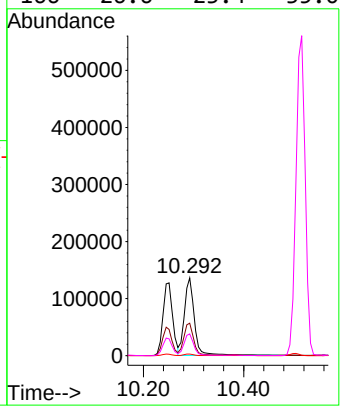


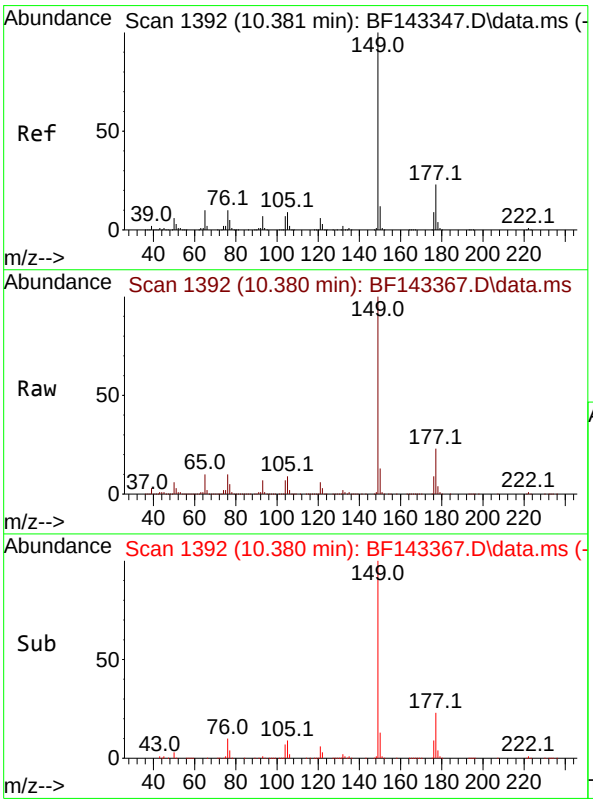
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.151 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:232 Resp: 187331

Ion	Ratio	Lower	Upper
232	100		
131	41.8	34.6	51.8
130	1.8	1.7	2.5
166	26.6	23.4	35.0

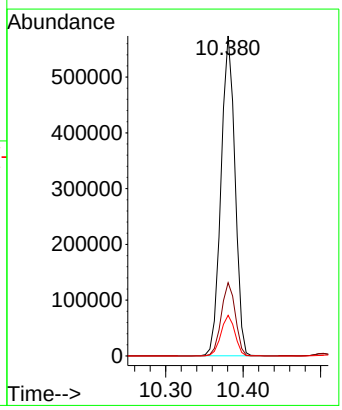


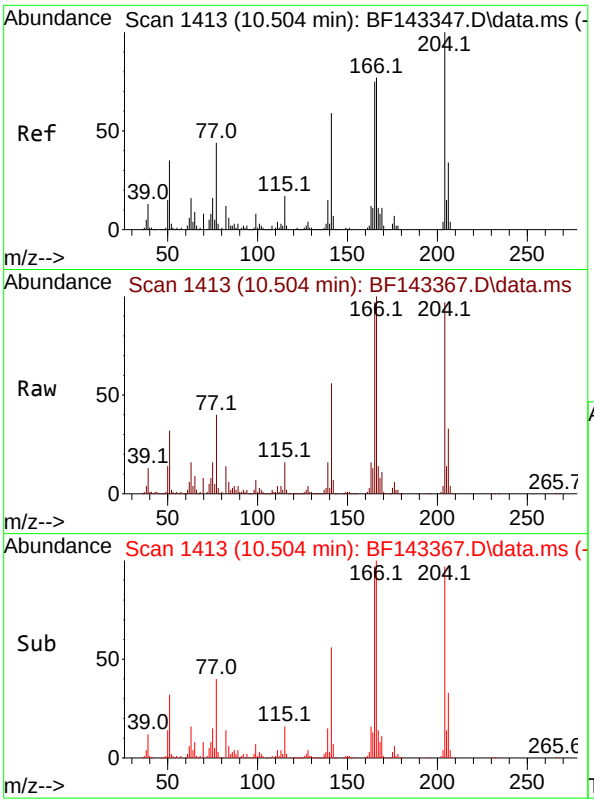


#60
Diethylphthalate
Concen: 50.466 ng
RT: 10.380 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 719937

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.2	27.2
150	12.7	9.9	14.9



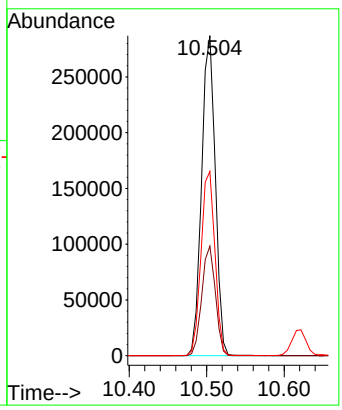


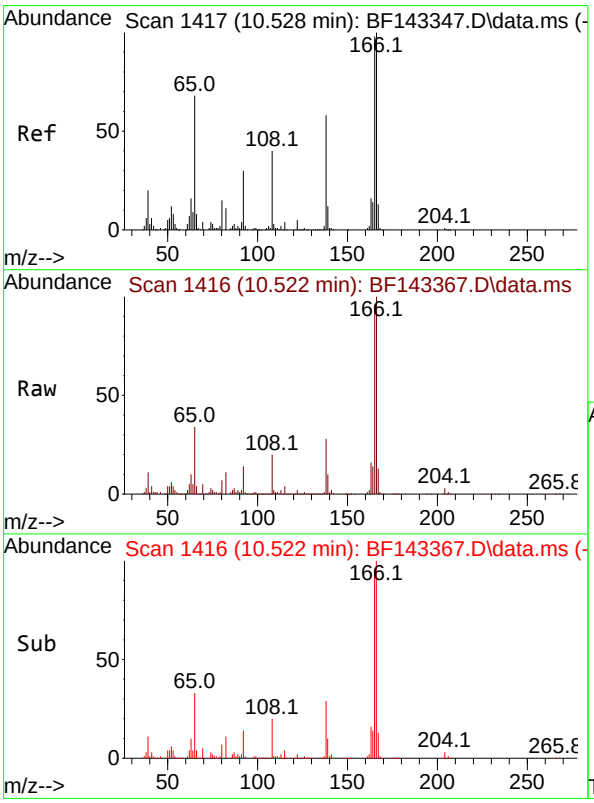
#61
4-Chlorophenyl-phenylether
Concen: 45.513 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:204 Resp: 352284

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	57.5	46.9	70.3

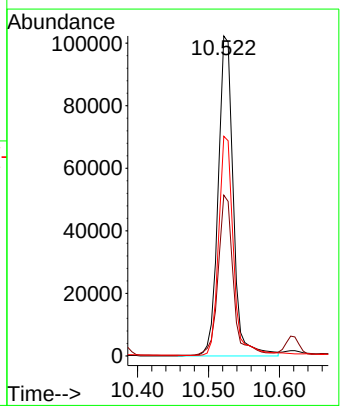


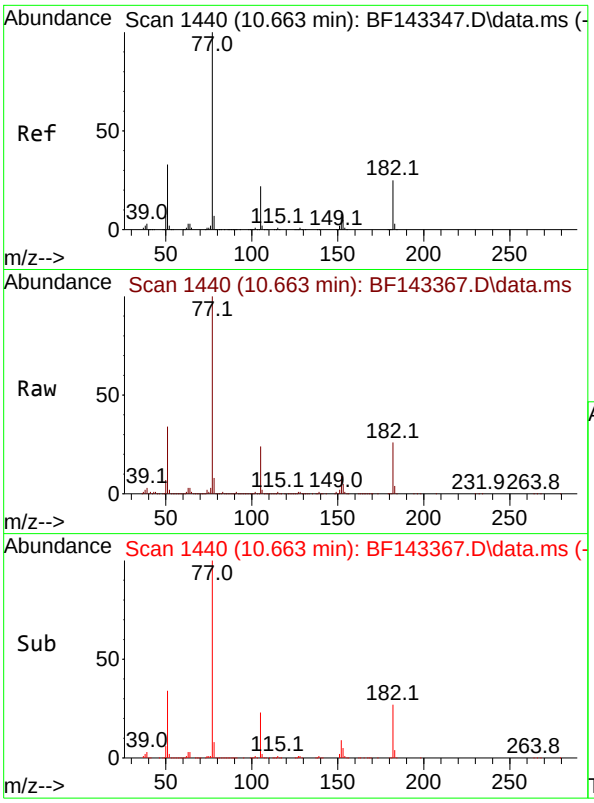


#62
4-Nitroaniline
Concen: 47.789 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:138 Resp: 150805

Ion	Ratio	Lower	Upper
138	100		
92	50.2	31.2	71.2
108	68.7	48.1	88.1



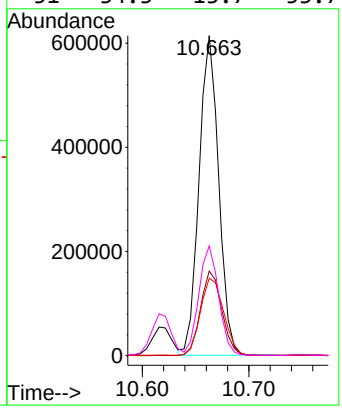


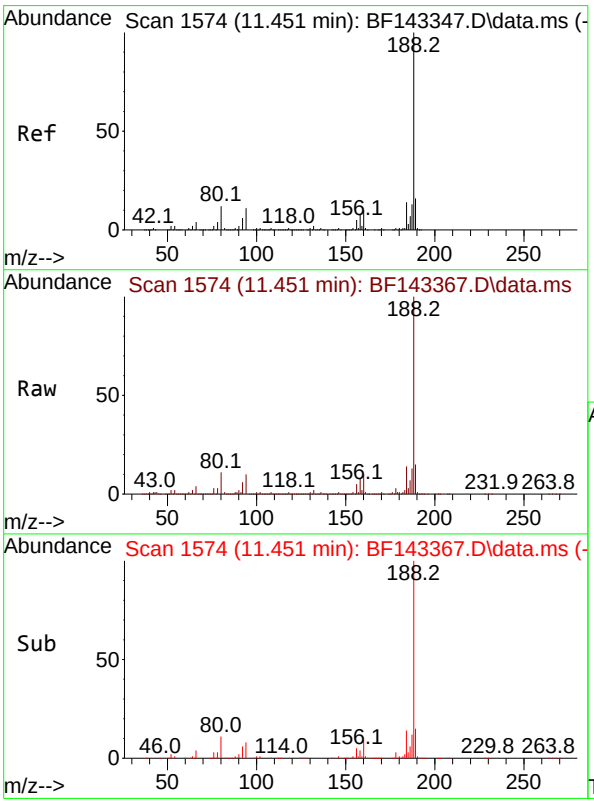
#63
Azobenzene
Concen: 48.208 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion: 77 Resp: 785525

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.4	44.4
105	24.2	1.8	41.8
51	34.3	13.7	53.7

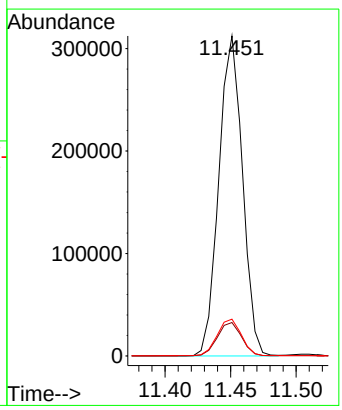


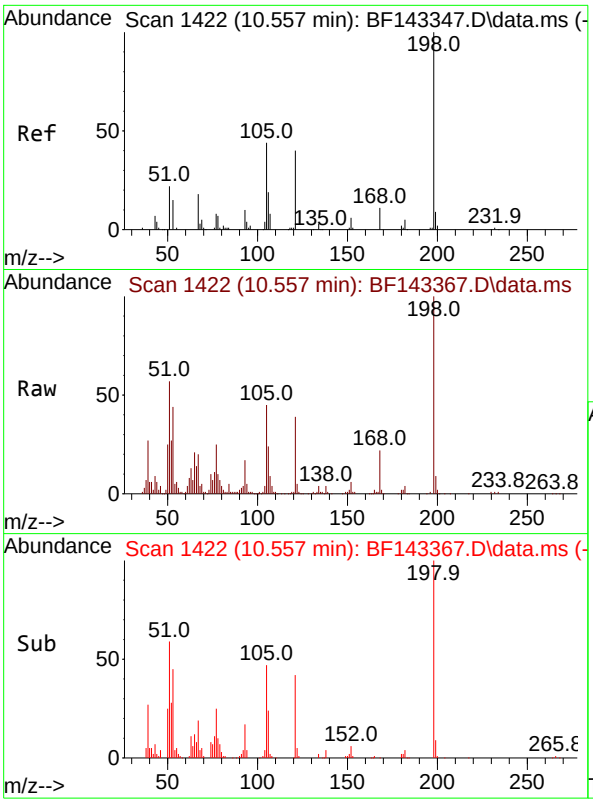


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:188 Resp: 391965

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.8	13.2
80	11.5	9.7	14.5



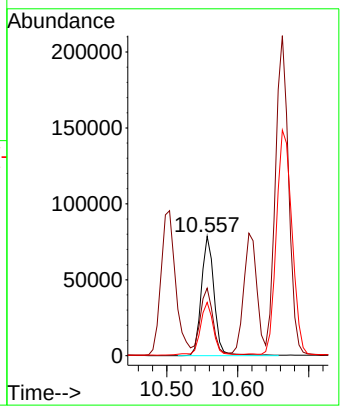


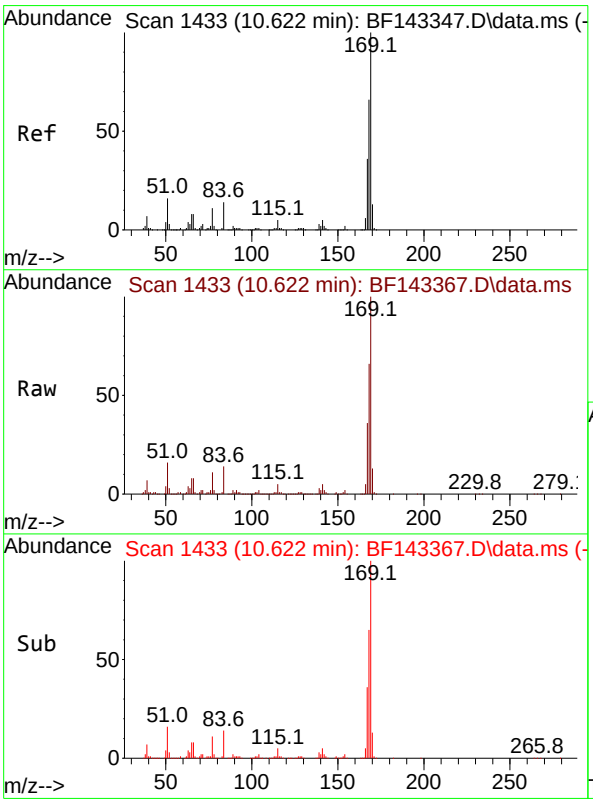
#65
4,6-Dinitro-2-methylphenol
Concen: 60.040 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:198 Resp: 98616

Ion	Ratio	Lower	Upper
198	100		
51	56.6	41.7	81.7
105	44.6	26.8	66.8

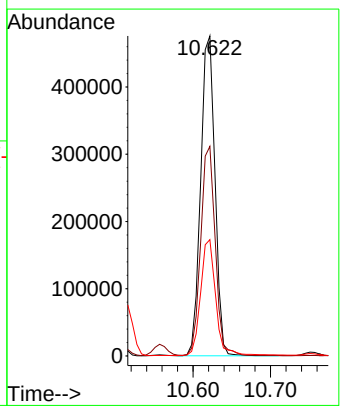


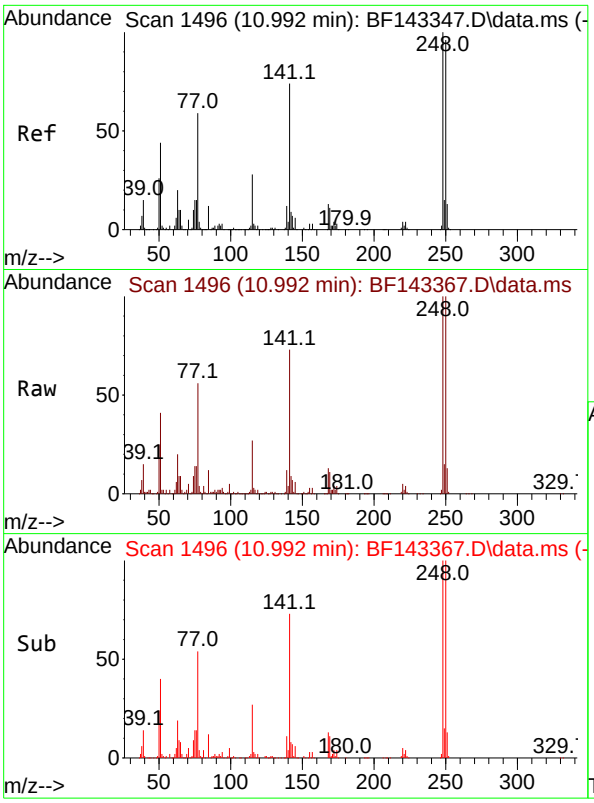


#66
n-Nitrosodiphenylamine
Concen: 47.180 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:169 Resp: 608929

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.7	79.1
167	36.3	28.6	42.8



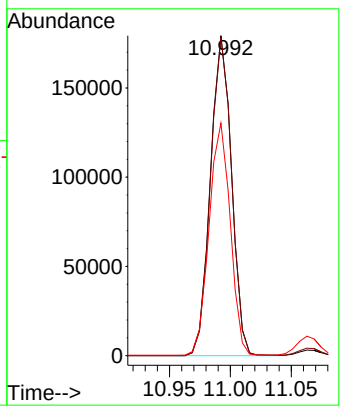


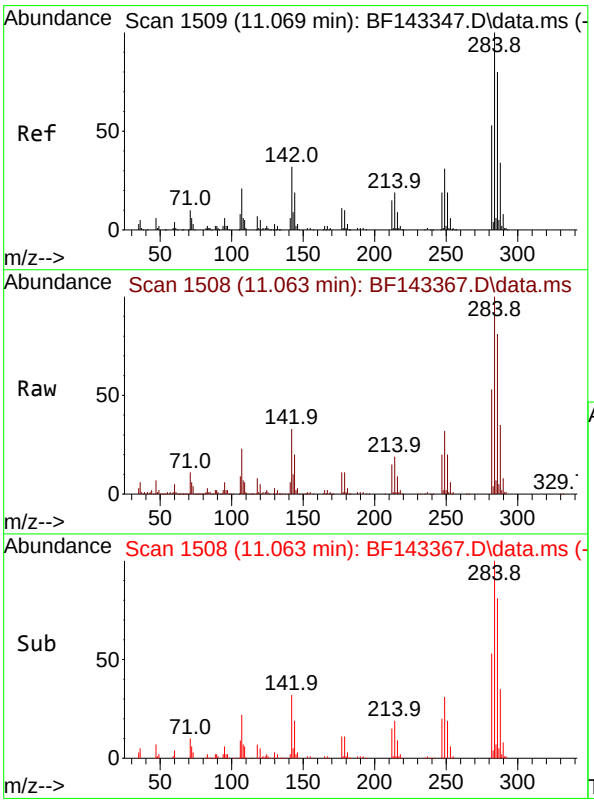
#67
4-Bromophenyl-phenylether
Concen: 48.176 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:248 Resp: 215964

Ion	Ratio	Lower	Upper
248	100		
250	99.6	77.1	115.7
141	72.7	59.1	88.7

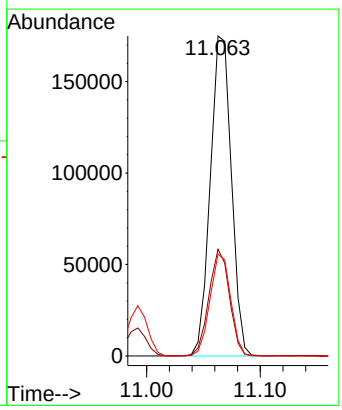


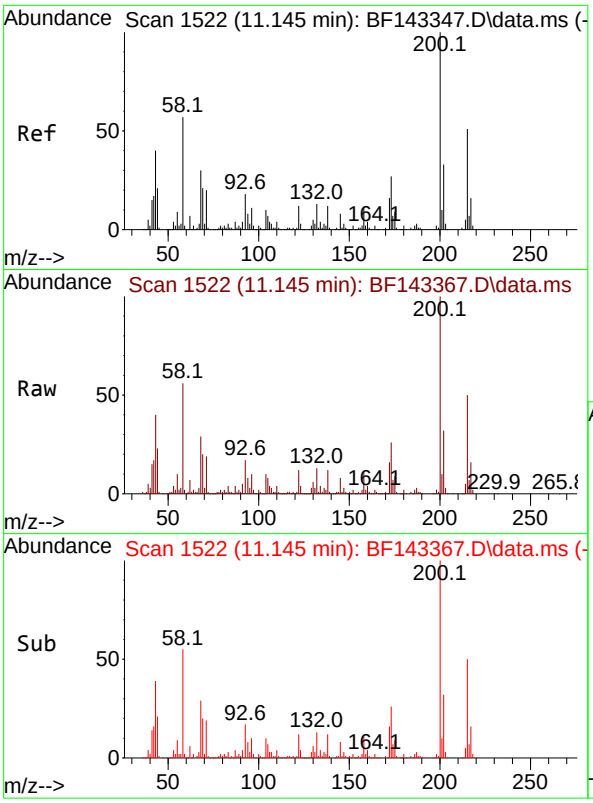


#68
Hexachlorobenzene
Concen: 46.702 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:284 Resp: 225664

Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.7	38.5
249	31.8	24.6	37.0



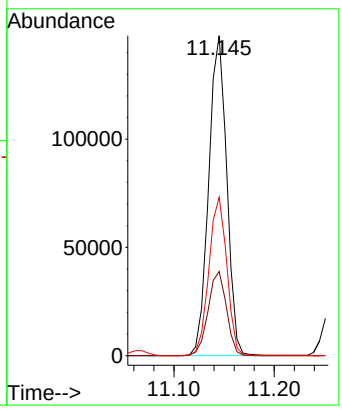


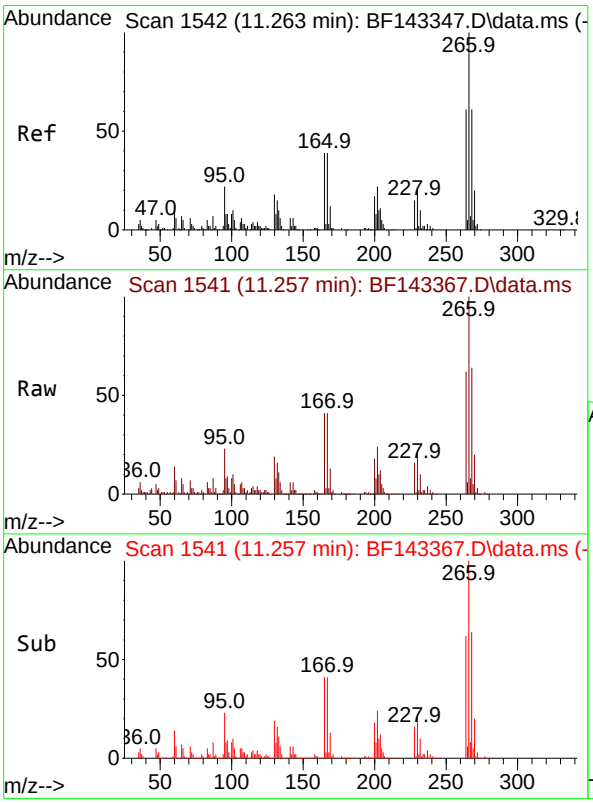
#69
Atrazine
Concen: 54.927 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:200 Resp: 184901

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.6	46.6
215	49.5	30.6	70.6

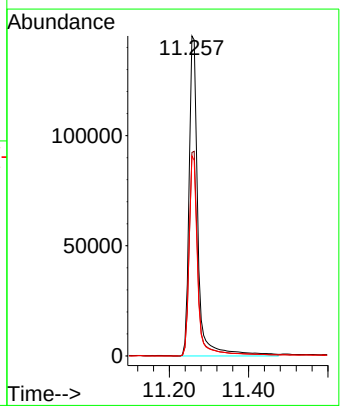


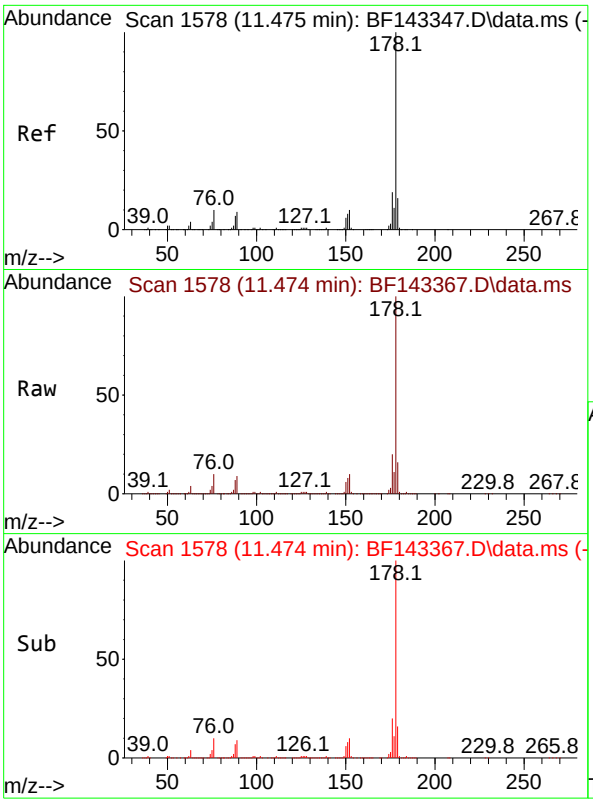


#70
Pentachlorophenol
Concen: 94.613 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:266 Resp: 226544

Ion	Ratio	Lower	Upper
266	100		
268	63.6	48.8	73.2
264	62.5	48.8	73.2



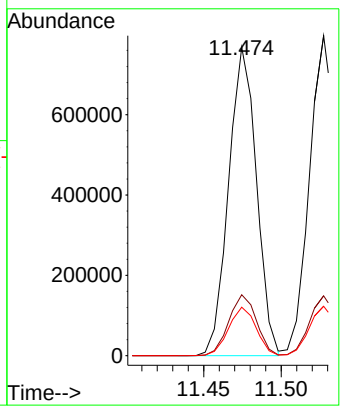


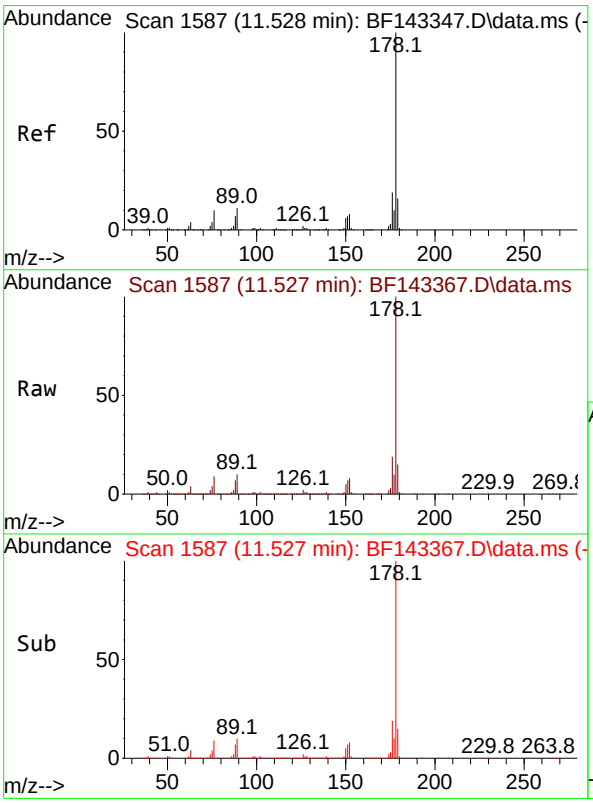
#71
Phenanthrene
Concen: 44.935 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:178 Resp: 960966

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.5	18.7

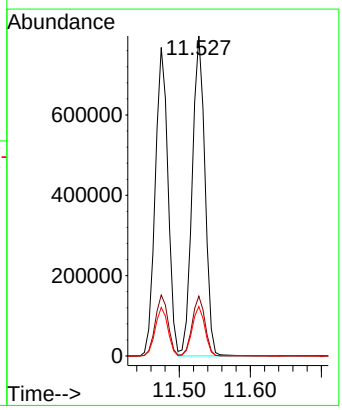


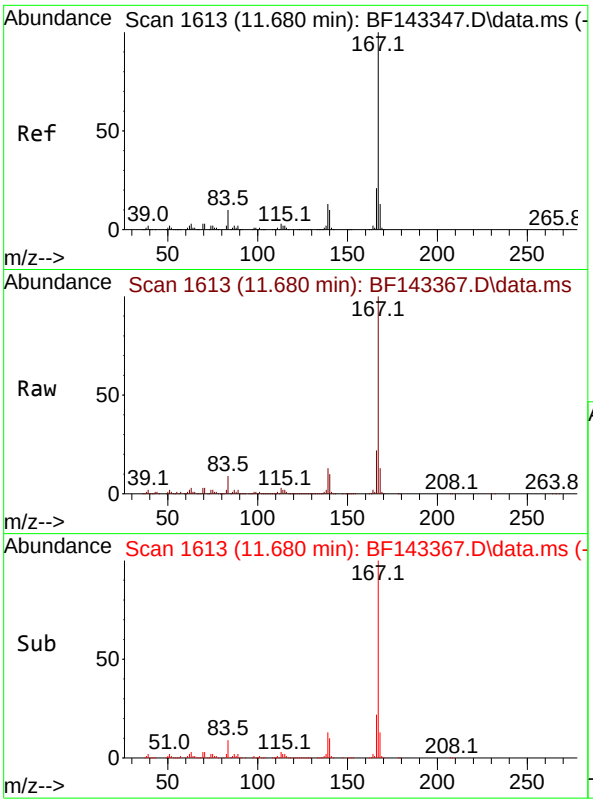


#72
Anthracene
Concen: 45.875 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:178 Resp: 994942

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.7	19.1



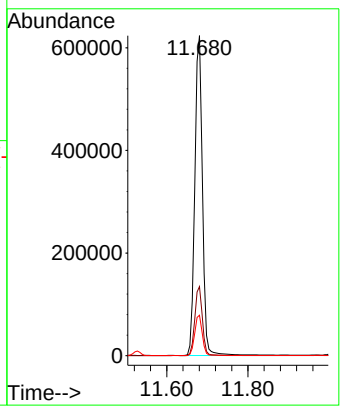


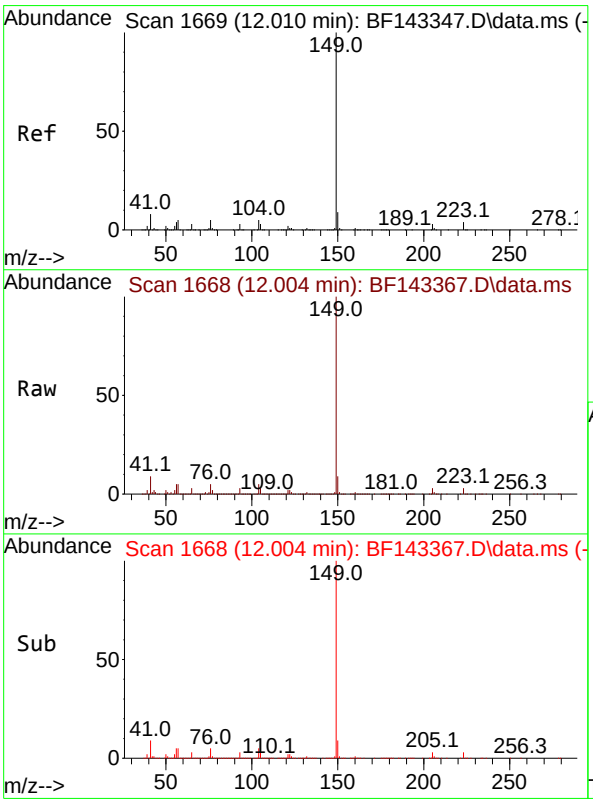
#73
Carbazole
Concen: 44.432 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:167 Resp: 820685

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.8	25.2
139	12.7	10.2	15.2

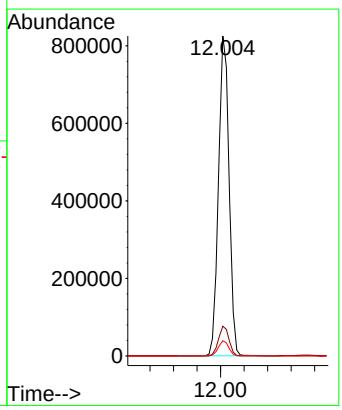


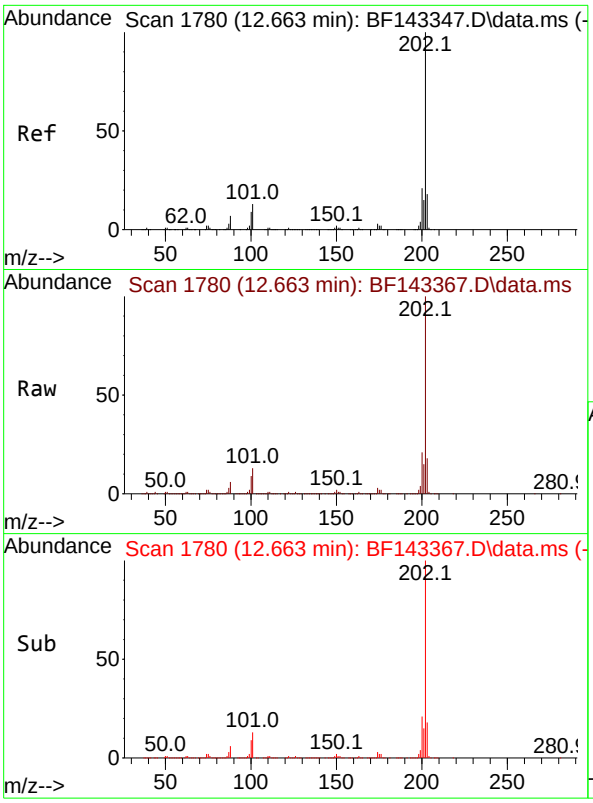


#74
Di-n-butylphthalate
Concen: 65.918 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 1030302

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.7	3.8	5.8



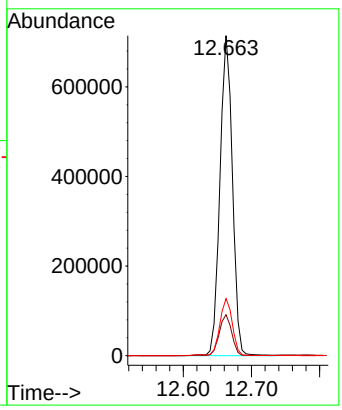


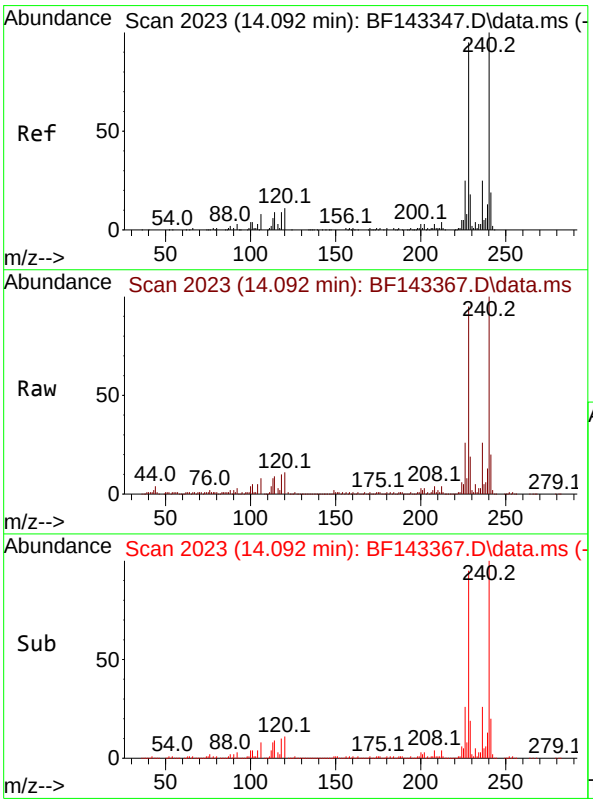
#75
Fluoranthene
Concen: 48.568 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:202 Resp: 909808

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.9	0.0	37.6

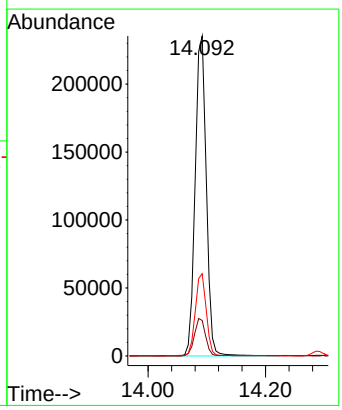


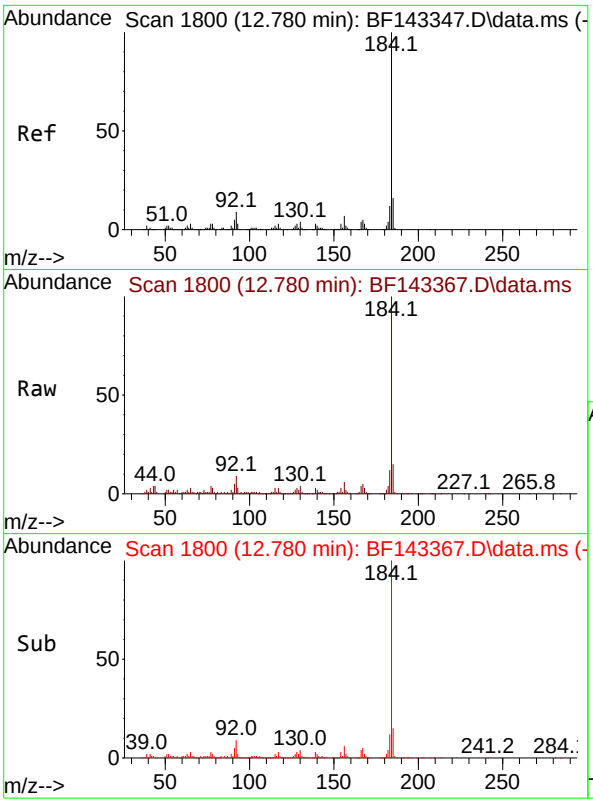


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:240 Resp: 309493

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	25.7	19.9	29.9



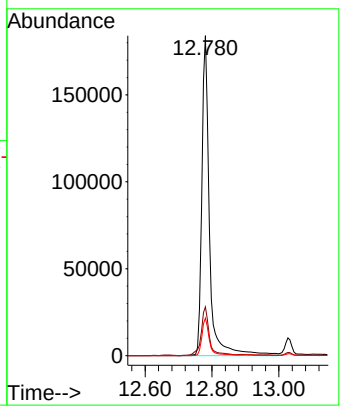


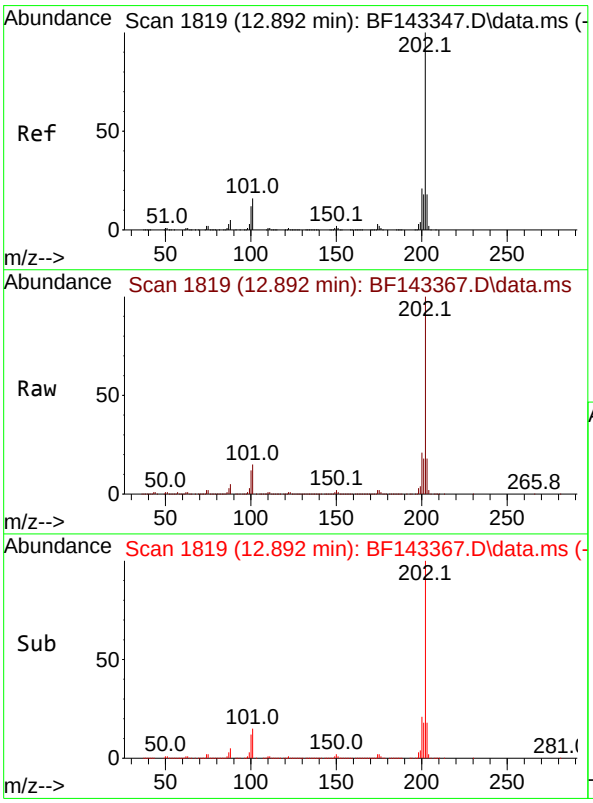
#77
Benzidine
Concen: 34.736 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:184 Resp: 293910

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.8	19.2
183	11.7	9.3	13.9

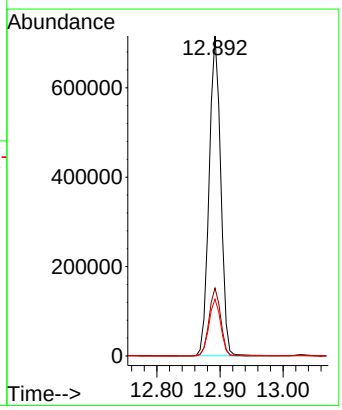


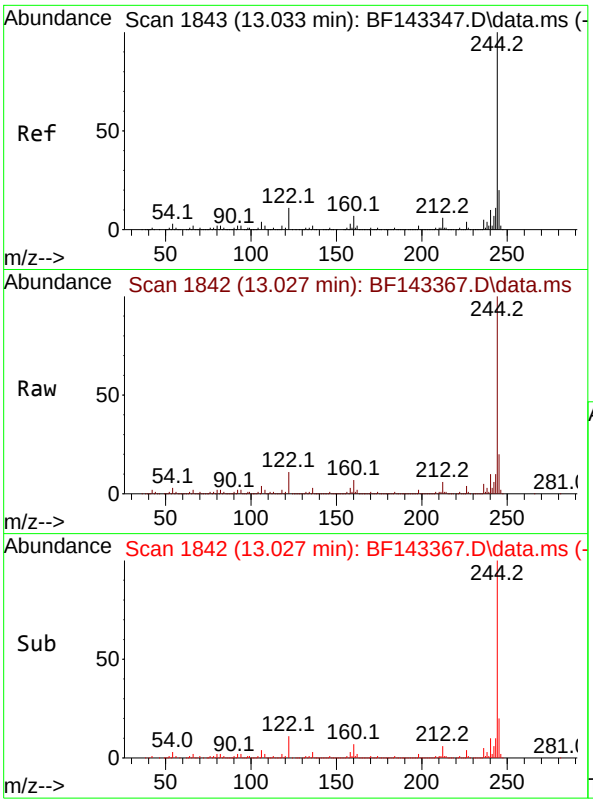


#78
Pyrene
Concen: 35.225 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:202 Resp: 914572

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.8	14.2	21.4



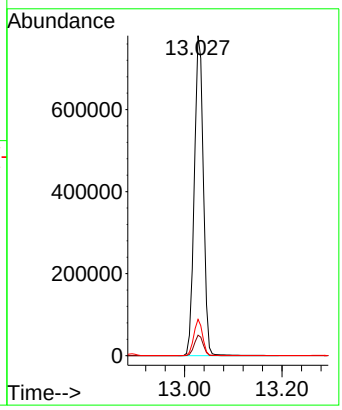


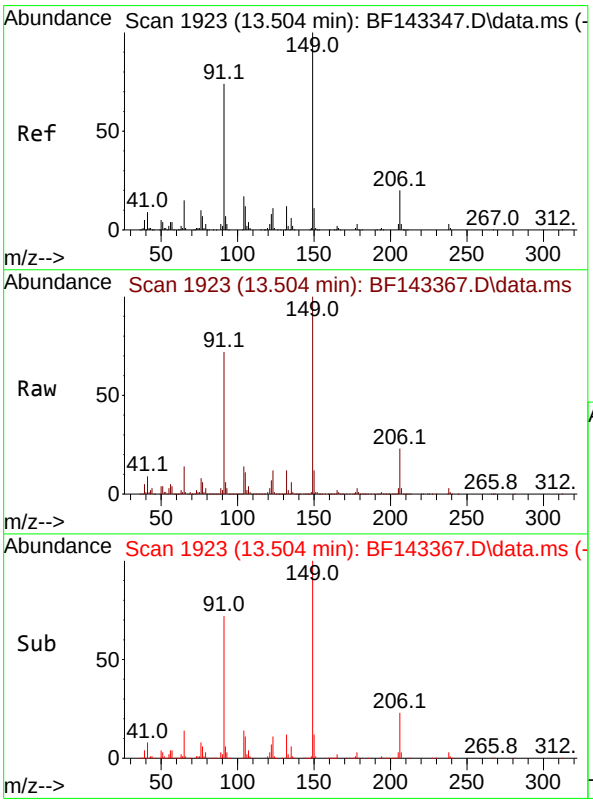
#79
Terphenyl-d14
Concen: 58.445 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:244 Resp: 1013154

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	11.4	8.9	13.3

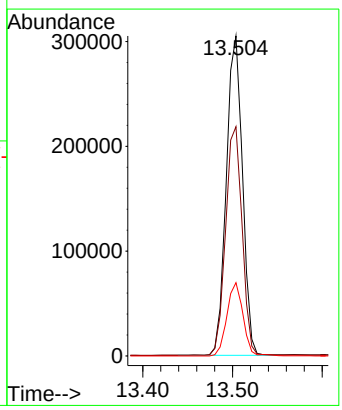


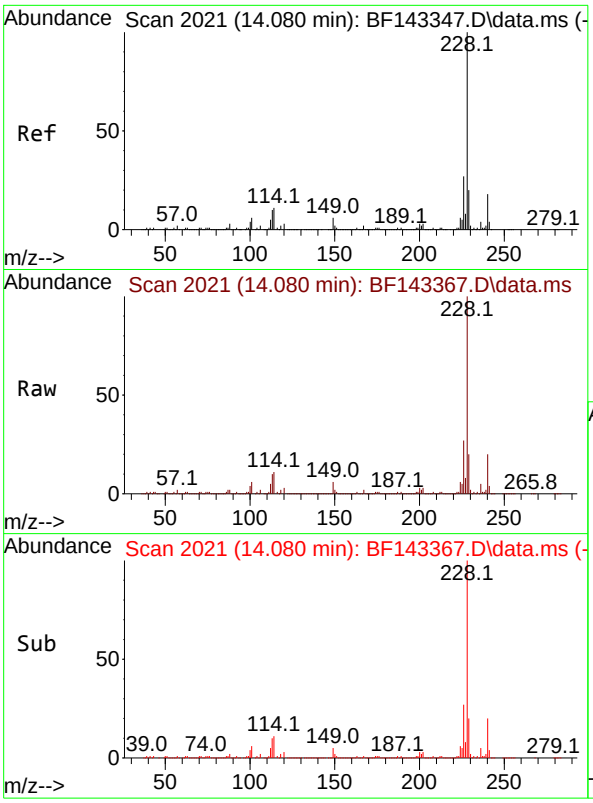


#80
Butylbenzylphthalate
Concen: 72.449 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 381128

Ion	Ratio	Lower	Upper
149	100		
91	71.7	58.8	88.2
206	22.9	16.4	24.6



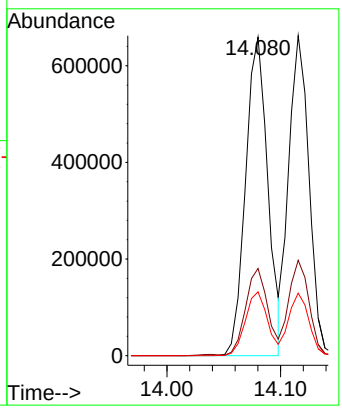


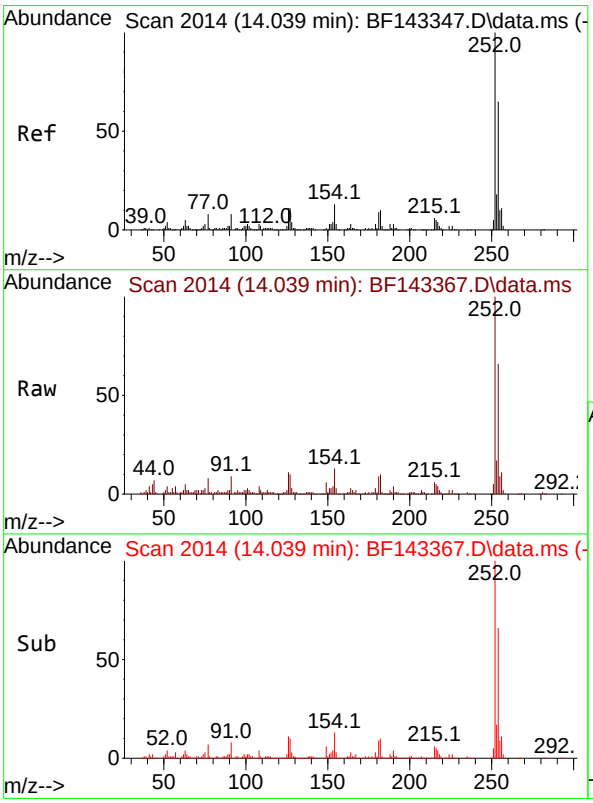
#81
Benzo(a)anthracene
Concen: 45.707 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:228 Resp: 899115

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	20.1	15.8	23.8

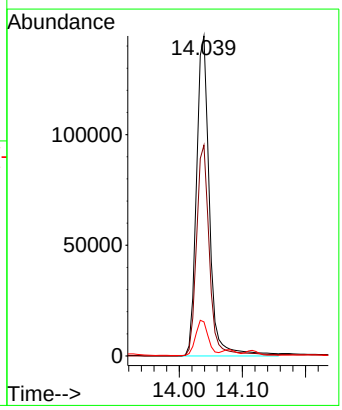


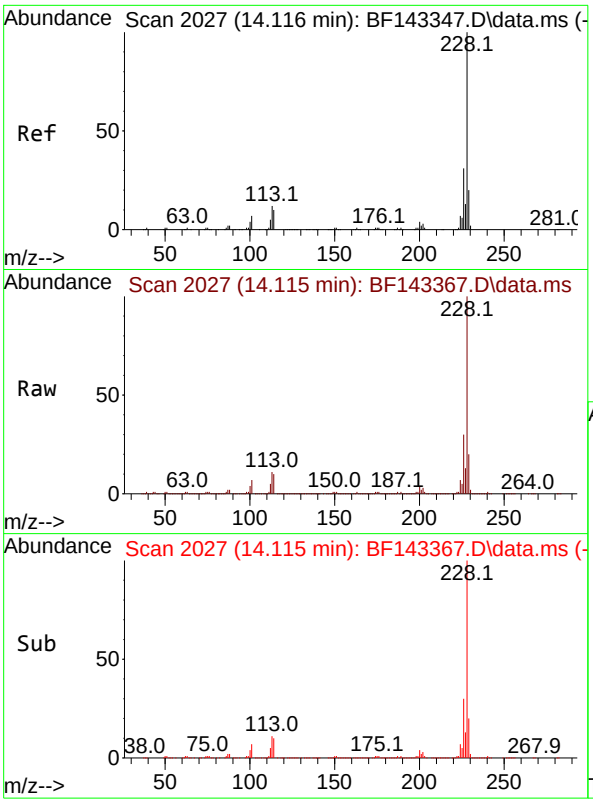


#82
3,3'-Dichlorobenzidine
Concen: 38.894 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 206592

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.7	77.5
126	10.7	9.2	13.8



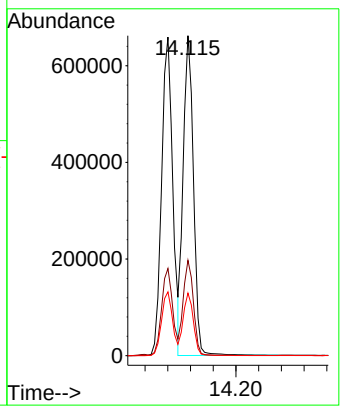


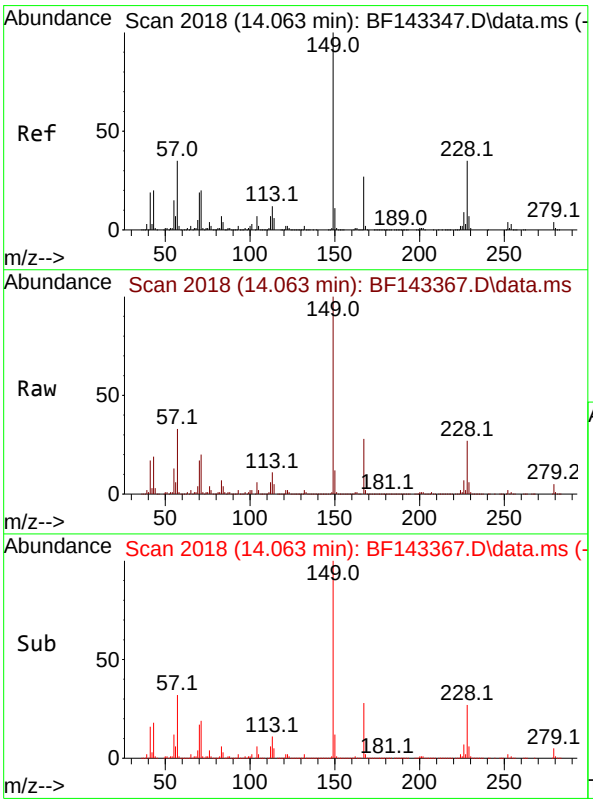
#83
Chrysene
Concen: 45.269 ng
RT: 14.115 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:228 Resp: 830343

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.8	23.6

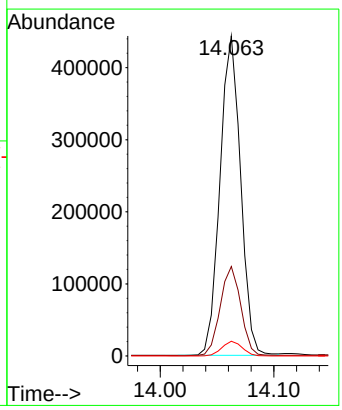


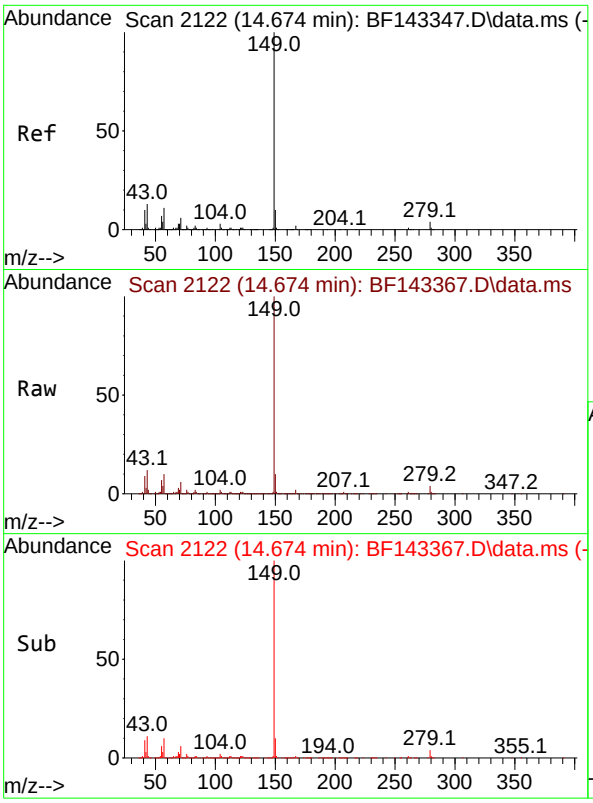


#84
Bis(2-ethylhexyl)phthalate
Concen: 71.994 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:149 Resp: 559729

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.6	3.2	4.8



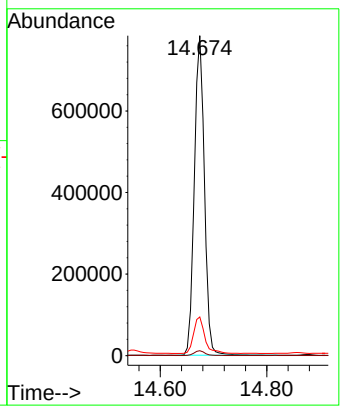


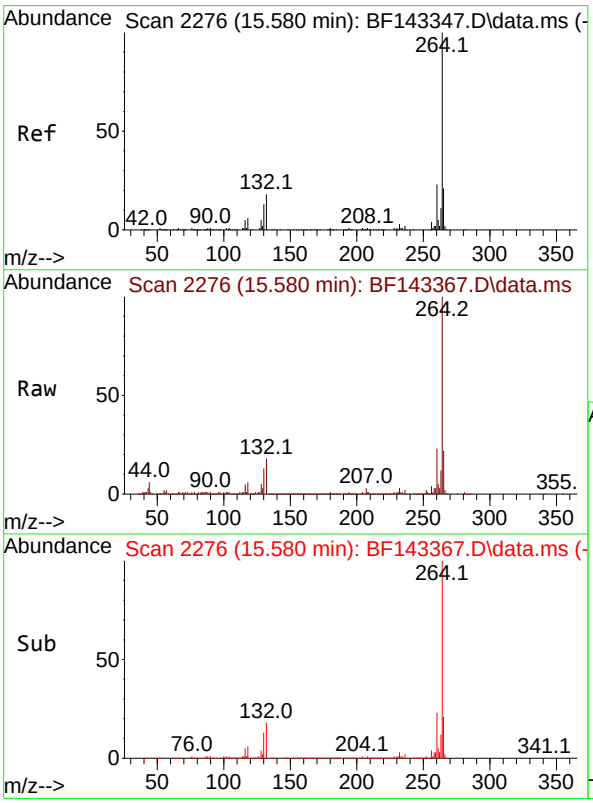
#85
Di-n-octyl phthalate
Concen: 65.934 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:149 Resp: 1029373

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	10.8	16.2

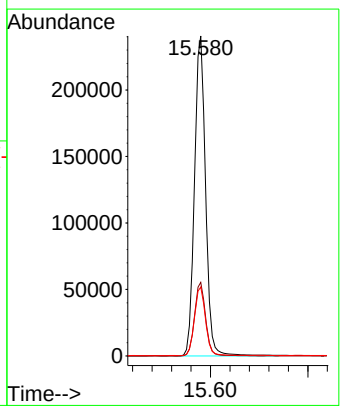


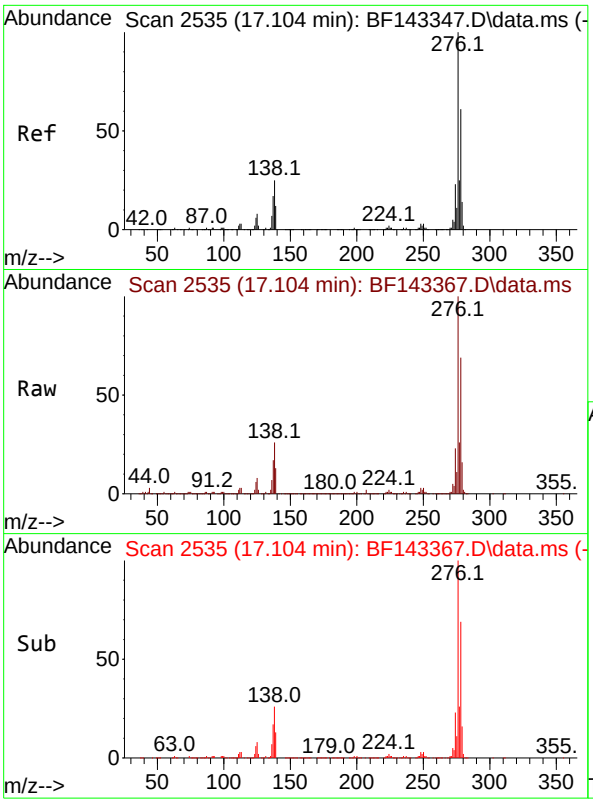


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:264 Resp: 383464

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.2	25.8



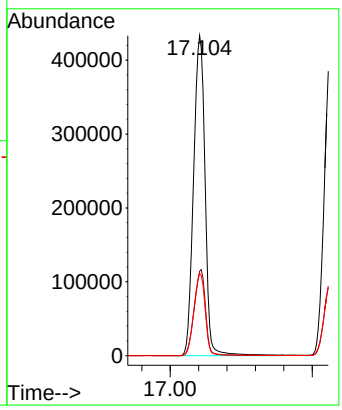


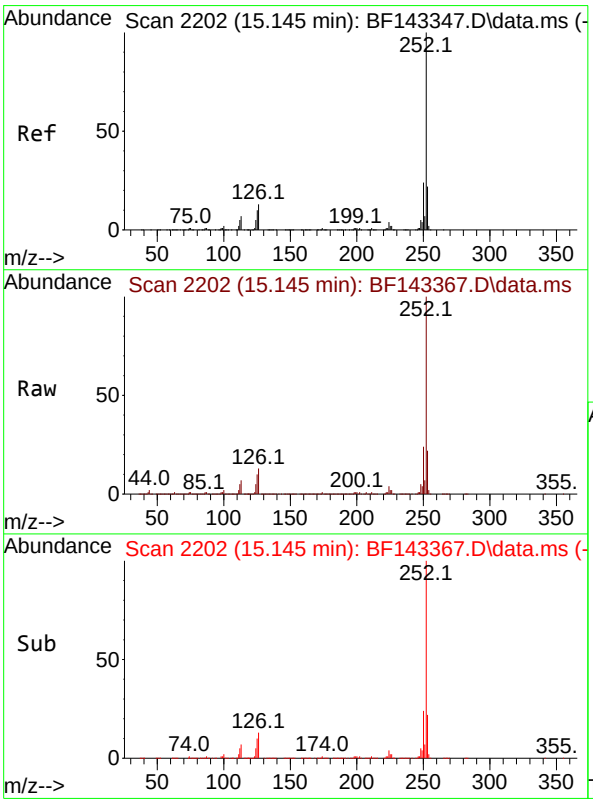
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.425 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:276 Resp: 1220480

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.1	31.7
277	25.3	20.2	30.2

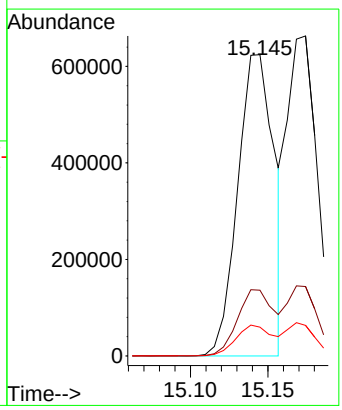


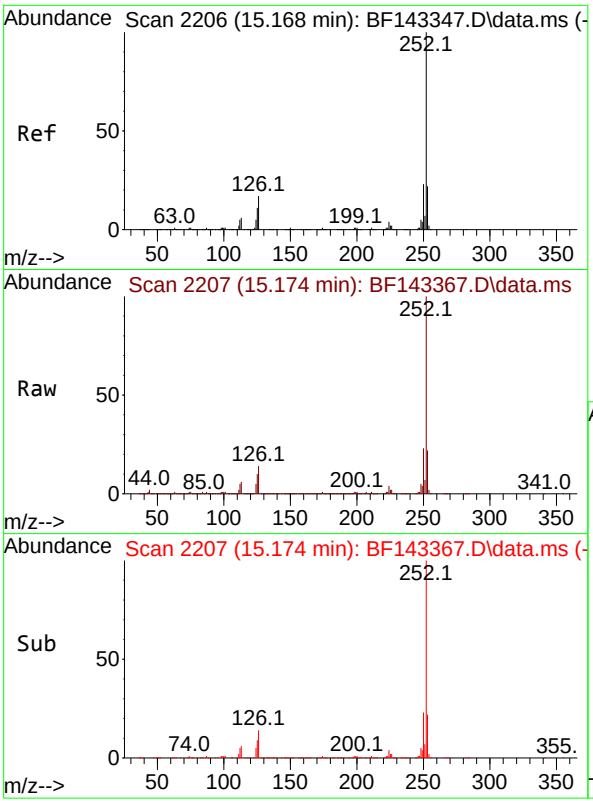


#88
Benzo(b)fluoranthene
Concen: 48.714 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 1021721

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.6	7.8	11.6



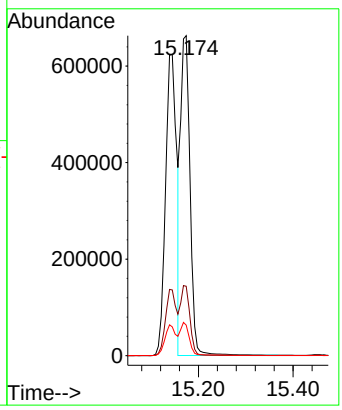


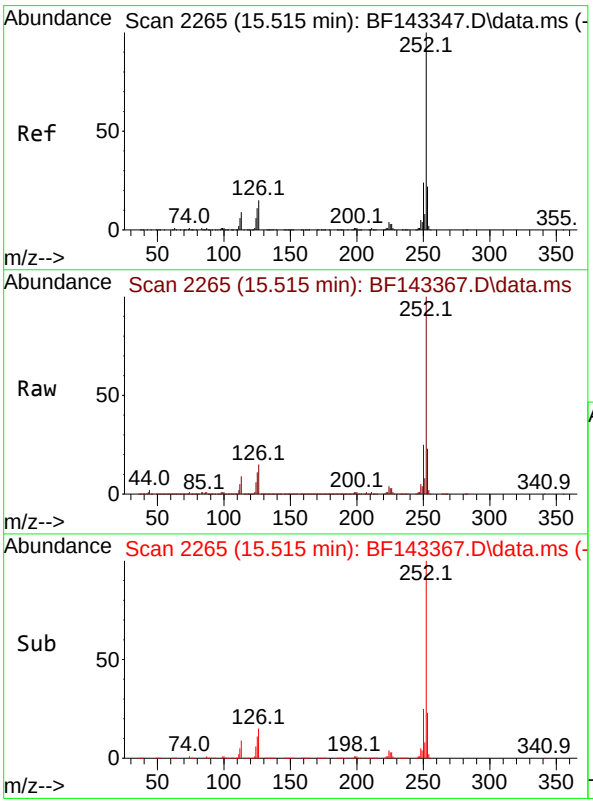
#89
Benzo(k)fluoranthene
Concen: 45.078 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:252 Resp: 918699

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.5	8.4	12.6

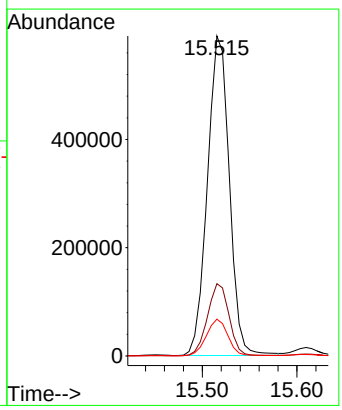


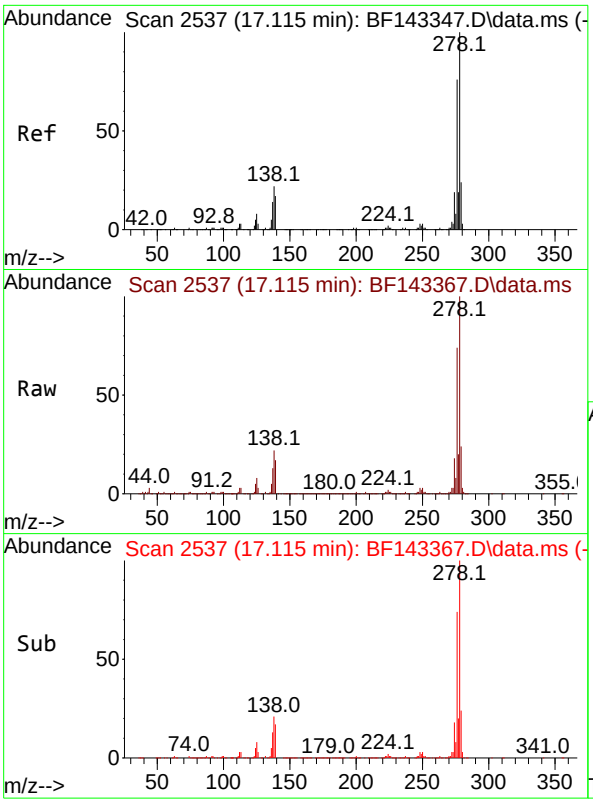


#90
Benzo(a)pyrene
Concen: 48.173 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:252 Resp: 951612

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	11.5	9.1	13.7



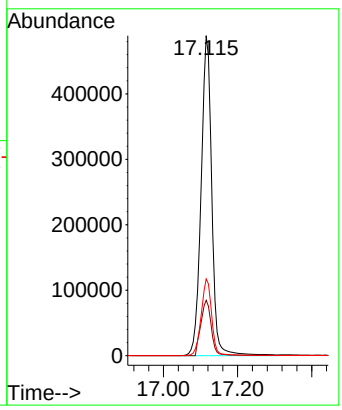


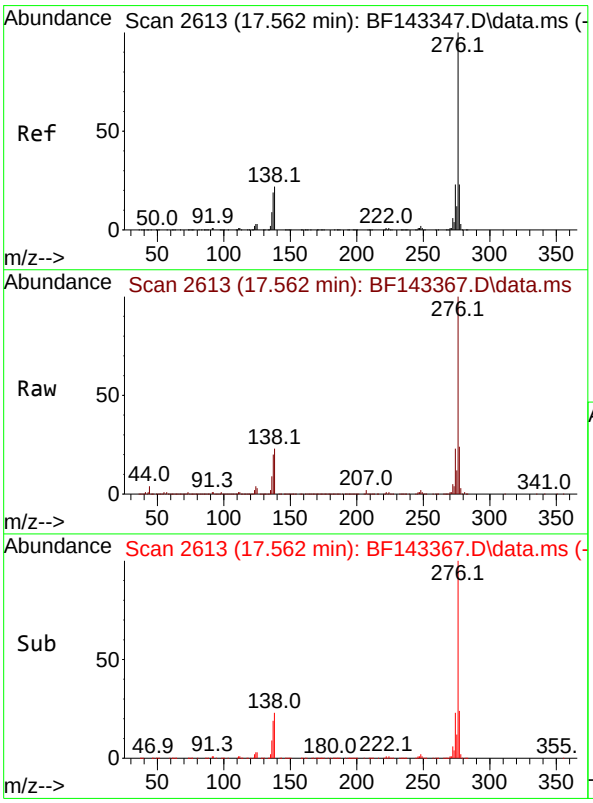
#91
Dibenzo(a,h)anthracene
Concen: 44.637 ng
RT: 17.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMS

Tgt Ion:278 Resp: 979680

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	24.0	19.4	29.0

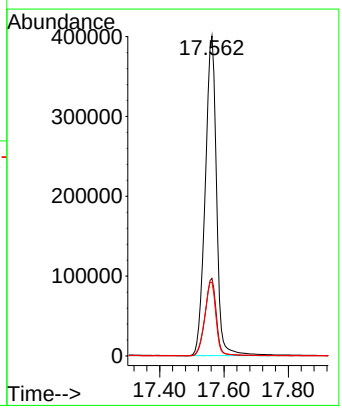




#92
Benzo(g,h,i)perylene
Concen: 44.090 ng
RT: 17.562 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF143367.D
Acq: 13 Aug 2025 11:12

Tgt Ion:276 Resp: 974809

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	23.1	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	182122	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	707644	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	400799	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	660496	20.000	ng		0.00
76) Chrysene-d12	14.092	240	401162	20.000	ng		0.00
86) Perylene-d12	15.580	264	380758	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.575	112	1030173	97.815	ng		0.01
7) Phenol-d6	6.569	99	1365162	101.081	ng		0.00
23) Nitrobenzene-d5	7.487	82	878016	77.266	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	416362	142.146	ng		0.00
45) 2-Fluorobiphenyl	9.287	172	1556632	65.860	ng		0.00
79) Terphenyl-d14	13.033	244	1742522	77.549	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.852	88	216902	39.800	ng		99
3) Pyridine	3.610	79	587317	40.442	ng		98
4) n-Nitrosodimethylamine	3.552	42	317834	46.983	ng		99
6) Aniline	6.593	93	623006	32.720	ng	#	85
8) 2-Chlorophenol	6.722	128	538312	47.835	ng		97
9) Benzaldehyde	6.481	77	312941	35.058	ng		99
10) Phenol	6.581	94	683901	42.745	ng		90
11) bis(2-Chloroethyl)ether	6.663	93	535850	45.443	ng		100
12) 1,3-Dichlorobenzene	6.875	146	578637	44.578	ng		99
13) 1,4-Dichlorobenzene	6.945	146	581723	44.652	ng		99
14) 1,2-Dichlorobenzene	7.098	146	570467	46.129	ng		100
15) Benzyl Alcohol	7.069	79	492701	50.893	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	961341	45.666	ng		98
17) 2-Methylphenol	7.187	107	443333	46.670	ng		98
18) Hexachloroethane	7.445	117	202404	49.556	ng		97
19) n-Nitroso-di-n-propyla...	7.340	70	388884	46.600	ng		100
20) 3+4-Methylphenols	7.334	107	518418	45.126	ng		98
22) Acetophenone	7.334	105	694973	44.573	ng		99
24) Nitrobenzene	7.510	77	593508	48.092	ng		98
25) Isophorone	7.751	82	1117448	48.170	ng		100
26) 2-Nitrophenol	7.828	139	294278	58.630	ng		98
27) 2,4-Dimethylphenol	7.863	122	511164	52.817	ng		99
28) bis(2-Chloroethoxy)met...	7.957	93	676006	47.729	ng		100
29) 2,4-Dichlorophenol	8.069	162	468786	49.593	ng		99
30) 1,2,4-Trichlorobenzene	8.151	180	478500	47.989	ng		99
31) Naphthalene	8.234	128	1505002	44.199	ng		100
32) Benzoic acid	7.998	122	309164	65.585	ng		98
33) 4-Chloroaniline	8.275	127	272712	22.205	ng		99
34) Hexachlorobutadiene	8.351	225	288283	46.477	ng		99
35) Caprolactam	8.657	113	118120	44.450	ng		99
36) 4-Chloro-3-methylphenol	8.769	107	502504	50.708	ng		98
37) 2-Methylnaphthalene	8.922	142	946801	42.295	ng		100
38) 1-Methylnaphthalene	9.022	142	966128	44.811	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	480387	43.801	ng		99
41) Hexachlorocyclopentadiene	9.081	237	428209	108.143	ng		98
43) 2,4,6-Trichlorophenol	9.204	196	328493	52.788	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	351758	50.056	ng		100
46) 1,1'-Biphenyl	9.386	154	1270549	44.834	ng		100
47) 2-Chloronaphthalene	9.416	162	979937	43.906	ng		99
48) 2-Nitroaniline	9.504	65	340937	52.679	ng		100
49) Acenaphthylene	9.828	152	1581483	49.067	ng		99
50) Dimethylphthalate	9.686	163	1214679	51.866	ng		99
51) 2,6-Dinitrotoluene	9.745	165	268843	59.883	ng		94
52) Acenaphthene	10.004	154	1043271	48.688	ng		99
53) 3-Nitroaniline	9.916	138	192473	40.131	ng		98
54) 2,4-Dinitrophenol	10.028	184	241742	108.851	ng	#	79
55) Dibenzofuran	10.175	168	1401976	45.461	ng		99
56) 4-Nitrophenol	10.086	139	377068	97.115	ng		95
57) 2,4-Dinitrotoluene	10.151	165	367974	61.658	ng		94
58) Fluorene	10.516	166	1069858	45.419	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	302951	63.954	ng		98
60) Diethylphthalate	10.386	149	1155461	55.082	ng		98
61) 4-Chlorophenyl-phenyle...	10.504	204	544980	47.882	ng		99
62) 4-Nitroaniline	10.534	138	276498	59.587	ng		99
63) Azobenzene	10.669	77	1235605	51.569	ng		95
65) 4,6-Dinitro-2-methylph...	10.563	198	186228	66.409	ng		96
66) n-Nitrosodiphenylamine	10.622	169	962968	44.277	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	358621	47.475	ng		95
68) Hexachlorobenzene	11.069	284	376657	46.259	ng		99
69) Atrazine	11.151	200	331678	58.471	ng		99
70) Pentachlorophenol	11.263	266	403940	99.770	ng		97
71) Phenanthrene	11.480	178	1582864	43.924	ng		99
72) Anthracene	11.533	178	1617222	44.251	ng		100
73) Carbazole	11.680	167	1435658	46.126	ng		98
74) Di-n-butylphthalate	12.010	149	1806368	68.584	ng		100
75) Fluoranthene	12.669	202	1600581	50.705	ng		99
77) Benzidine	12.780	184	443223	40.413	ng		98
78) Pyrene	12.898	202	1573380	46.752	ng		99
80) Butylbenzylphthalate	13.504	149	628406	91.246	ng		98
81) Benzo(a)anthracene	14.080	228	1177706	46.189	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	240837	34.980	ng		99
83) Chrysene	14.121	228	1116683	46.969	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	801196	79.088	ng		97
85) Di-n-octyl phthalate	14.674	149	1151053	57.708	ng		96
87) Indeno(1,2,3-cd)pyrene	17.104	276	1270391	46.571	ng		99
88) Benzo(b)fluoranthene	15.145	252	1011358	48.563	ng		99
89) Benzo(k)fluoranthene	15.174	252	1035288	51.160	ng		100
90) Benzo(a)pyrene	15.521	252	987713	50.356	ng		99
91) Dibenzo(a,h)anthracene	17.121	278	1038764	47.665	ng		99
92) Benzo(g,h,i)perylene	17.562	276	1008201	45.924	ng		99

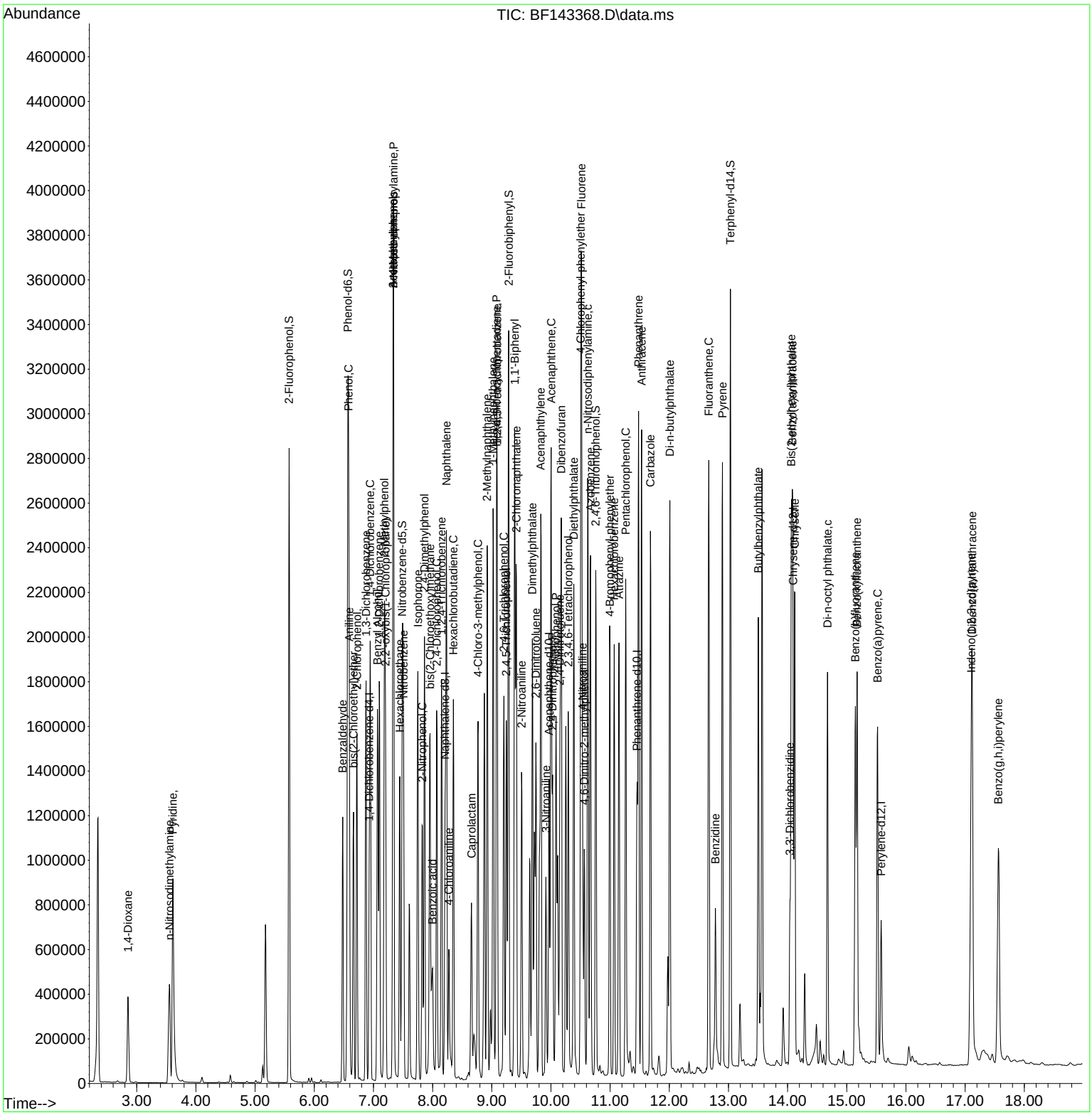
(#) = qualifier out of range (m) = manual integration (+) = signals summed

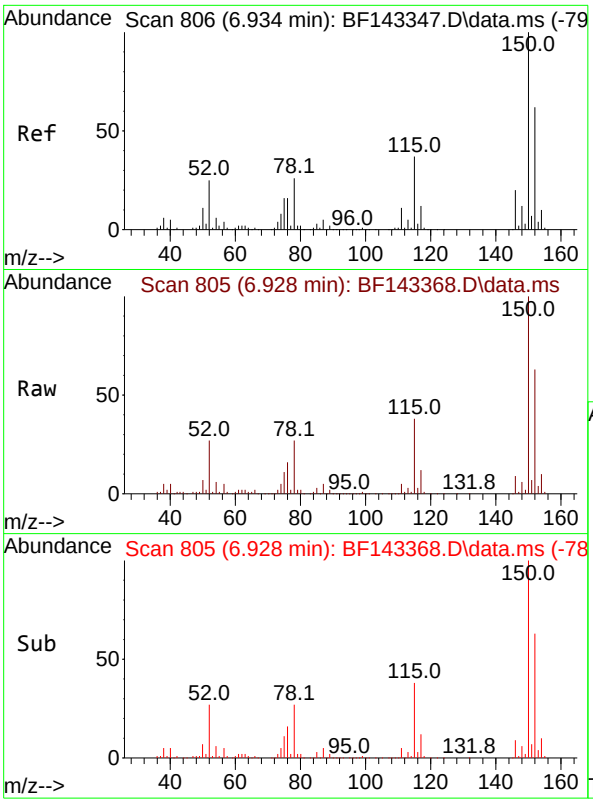
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143368.D
Acq On : 13 Aug 2025 11:42
Operator : RC/JU
Sample : Q2830-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Quant Time: Aug 13 12:09:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



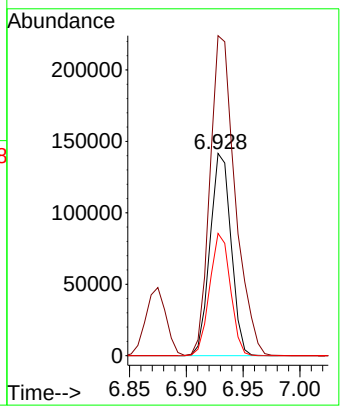


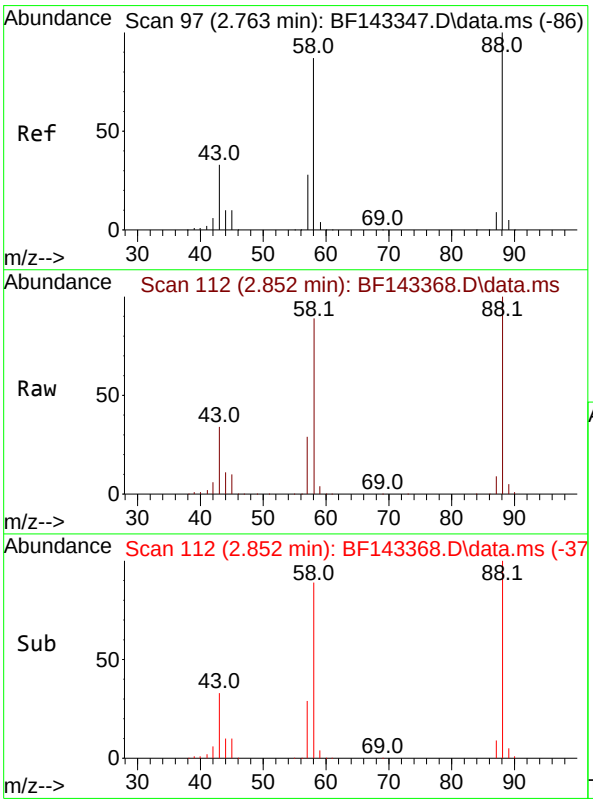
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:152 Resp: 182122

Ion	Ratio	Lower	Upper
152	100		
150	158.2	129.8	194.8
115	60.5	47.8	71.8

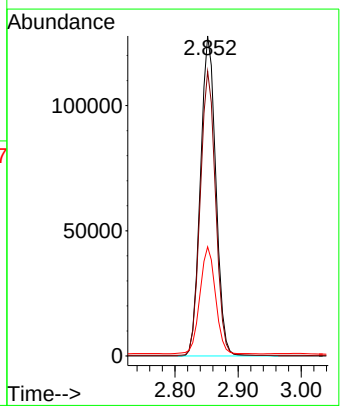


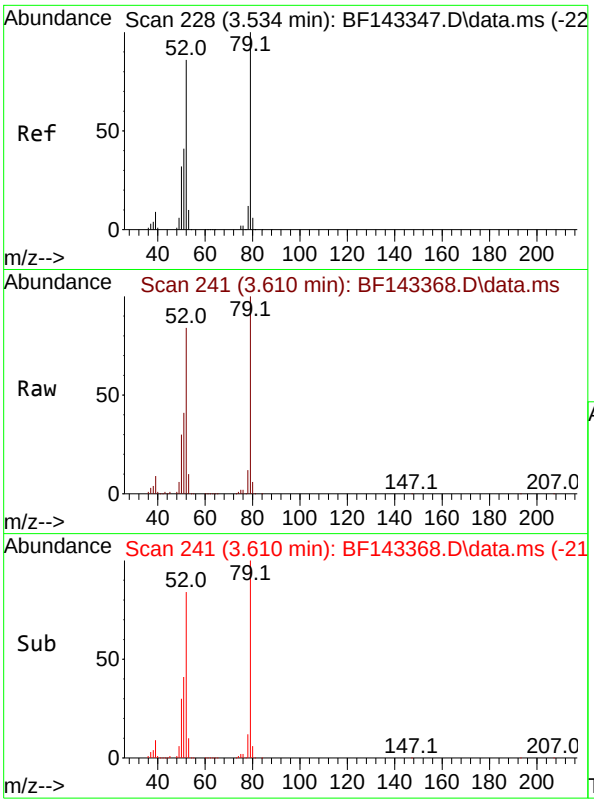


#2
1,4-Dioxane
Concen: 39.800 ng
RT: 2.852 min Scan# 112
Delta R.T. 0.088 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 88 Resp: 216902

Ion	Ratio	Lower	Upper
88	100		
58	87.7	71.0	106.6
43	33.7	27.0	40.6



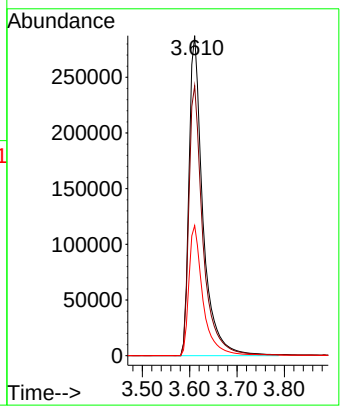


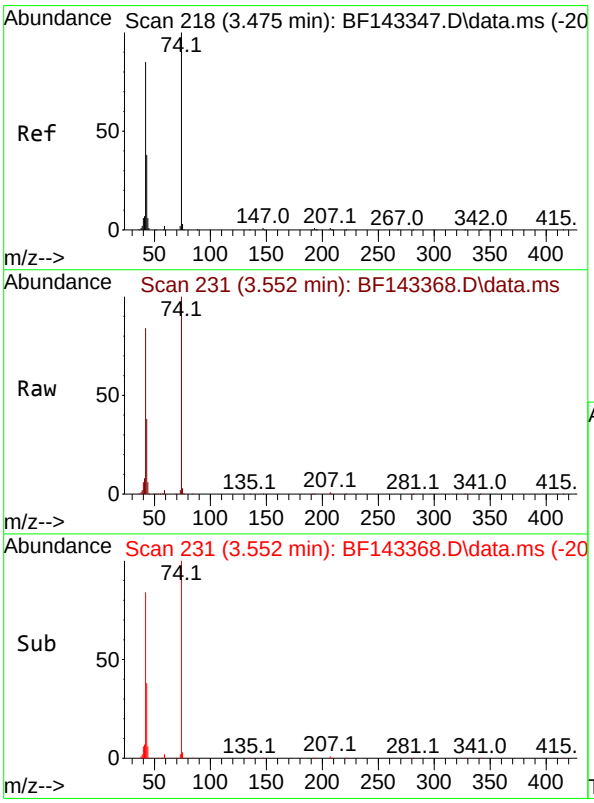
#3
Pyridine
Concen: 40.442 ng
RT: 3.610 min Scan# 24
Delta R.T. 0.077 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 79 Resp: 587317

Ion	Ratio	Lower	Upper
79	100		
52	84.4	68.7	103.1
51	40.6	33.4	50.0

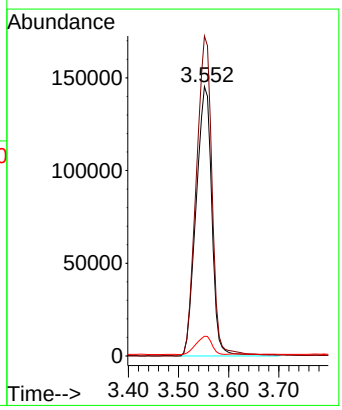


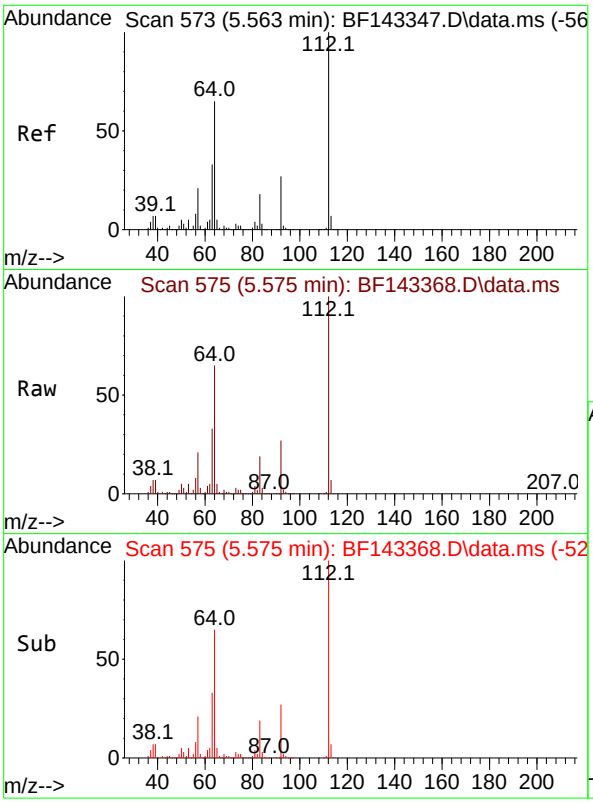


#4
n-Nitrosodimethylamine
Concen: 46.983 ng
RT: 3.552 min Scan# 231
Delta R.T. 0.076 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 42 Resp: 317834

Ion	Ratio	Lower	Upper
42	100		
74	118.8	94.1	141.1
44	7.3	6.5	9.7



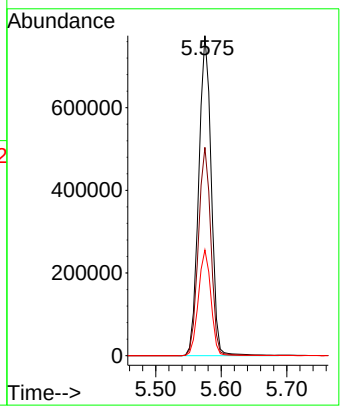


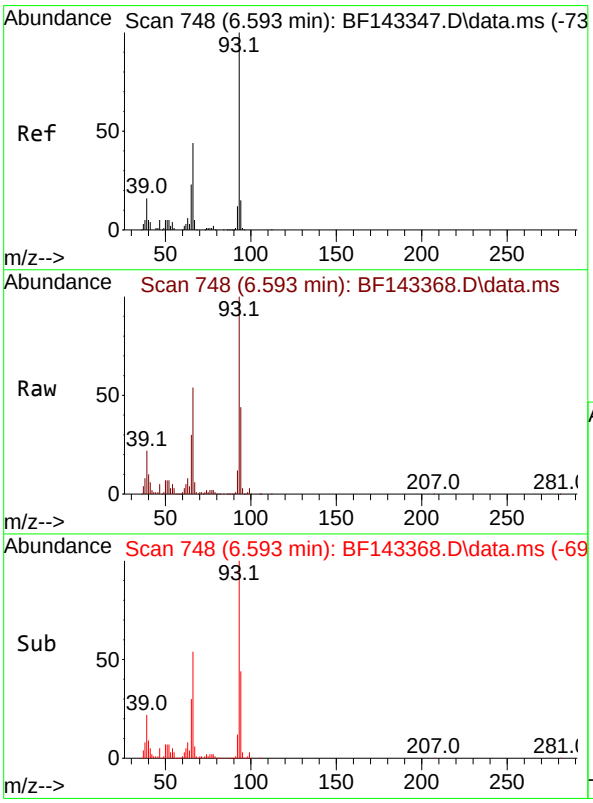
#5
2-Fluorophenol
Concen: 97.815 ng
RT: 5.575 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:112 Resp: 1030173

Ion	Ratio	Lower	Upper
112	100		
64	65.1	52.1	78.1
63	33.1	26.6	39.8

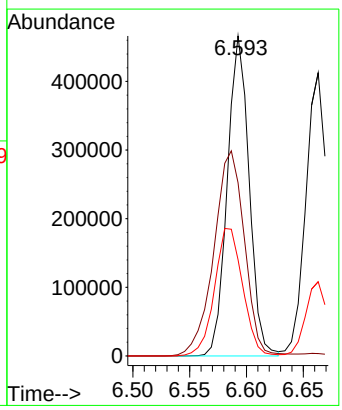


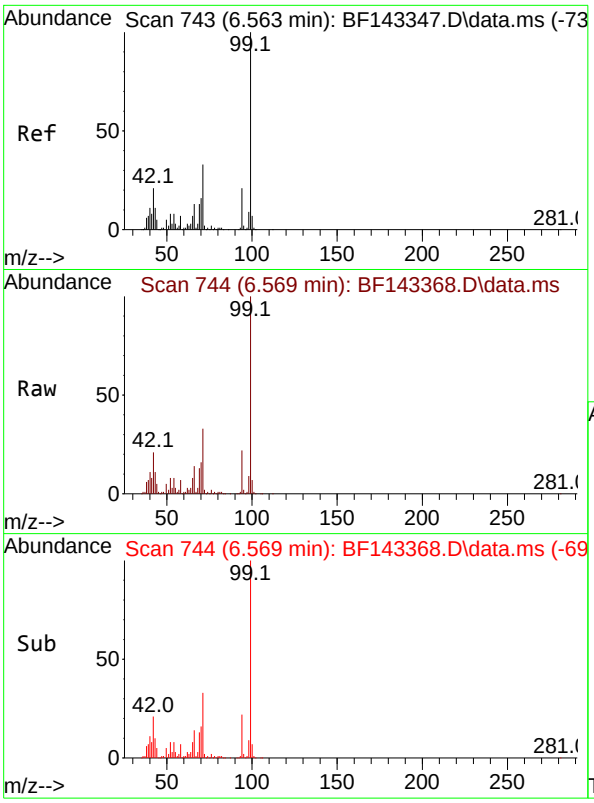


#6
Aniline
Concen: 32.720 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 93 Resp: 623006

Ion	Ratio	Lower	Upper
93	100		
66	54.2	35.3	52.9#
65	30.1	18.2	27.4#



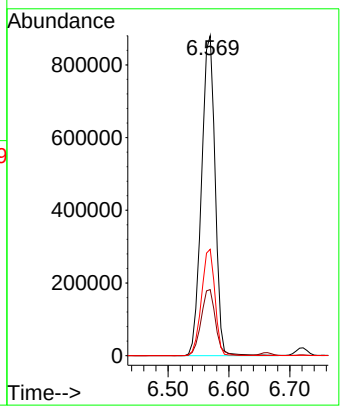


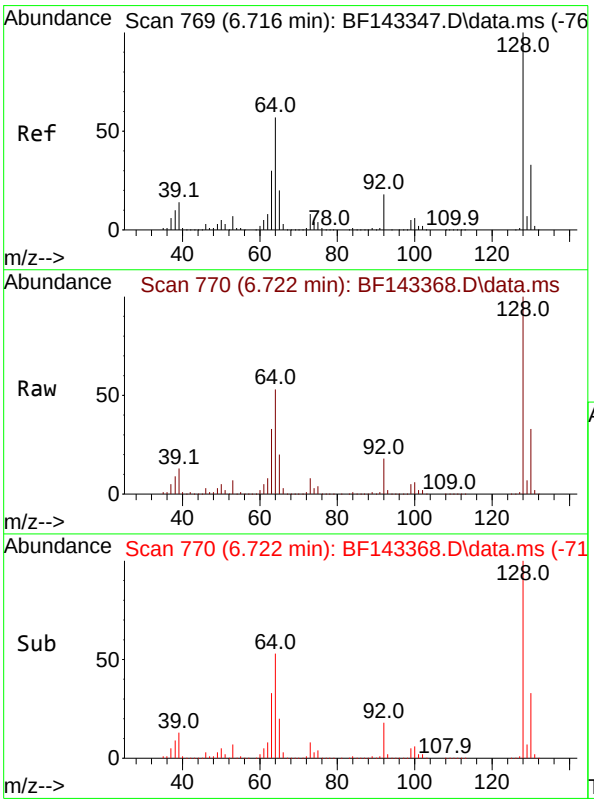
#7
Phenol-d6
Concen: 101.081 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 99 Resp: 1365162

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.6	25.0
71	33.3	26.2	39.2

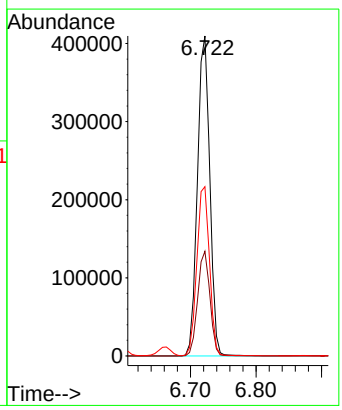


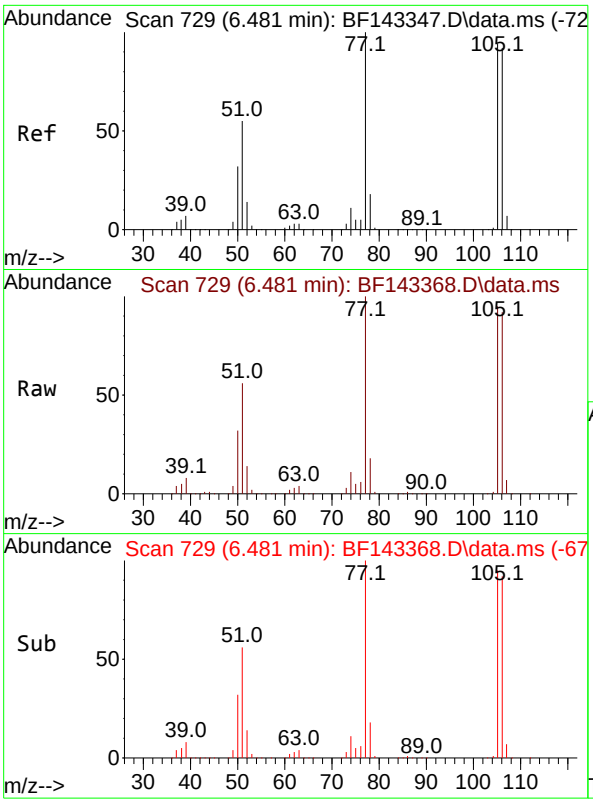


#8
2-Chlorophenol
Concen: 47.835 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:128 Resp: 538312

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	52.9	36.7	76.7



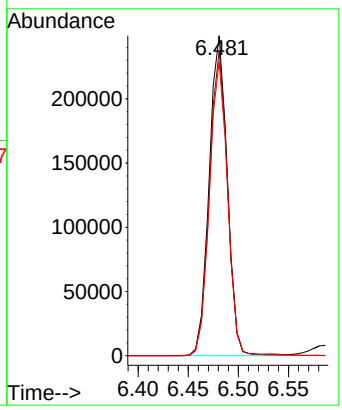


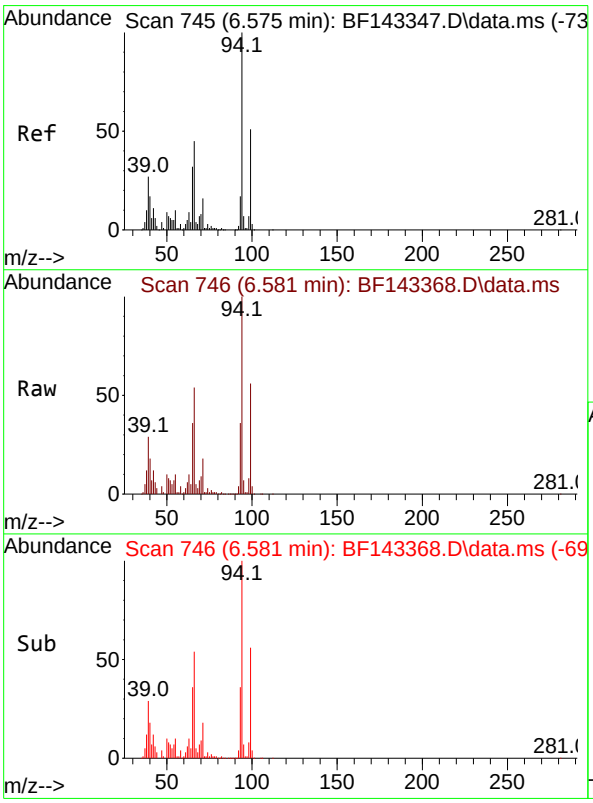
#9
Benzaldehyde
Concen: 35.058 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 77 Resp: 312941

Ion	Ratio	Lower	Upper
77	100		
105	95.1	74.2	114.2
106	91.9	72.2	112.2

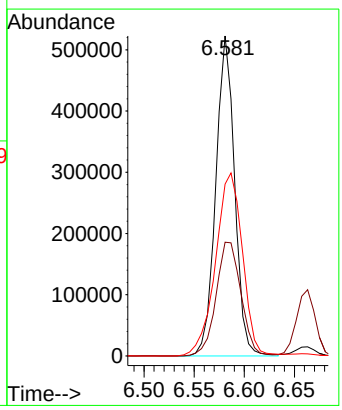


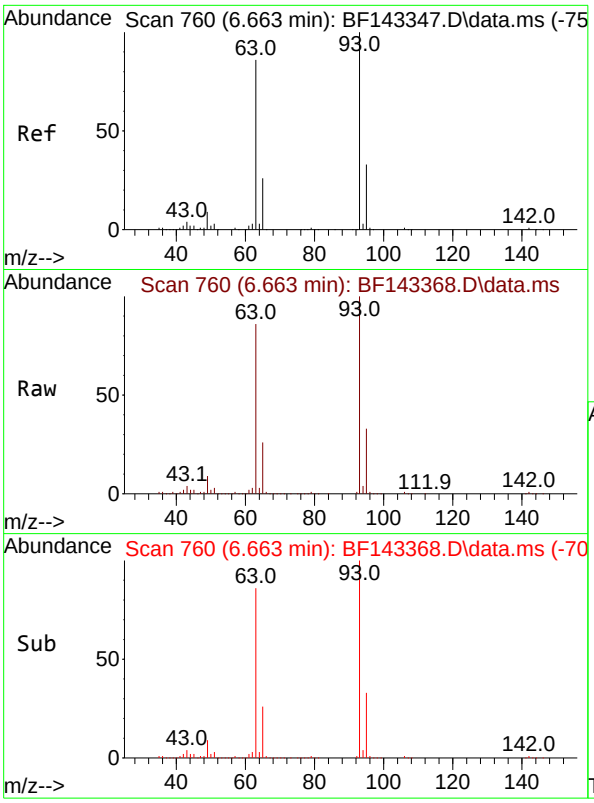


#10
Phenol
Concen: 42.745 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 94 Resp: 683901

Ion	Ratio	Lower	Upper
94	100		
65	35.6	12.0	52.0
66	53.7	25.6	65.6



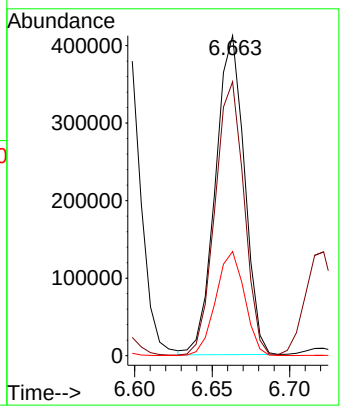


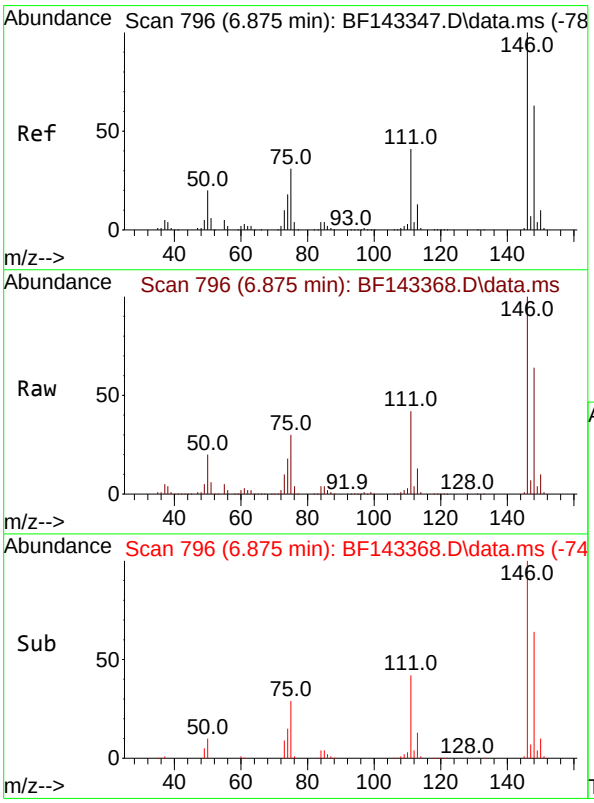
#11
bis(2-Chloroethyl)ether
Concen: 45.443 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 93 Resp: 535850

Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.7	105.7
95	32.5	13.0	53.0

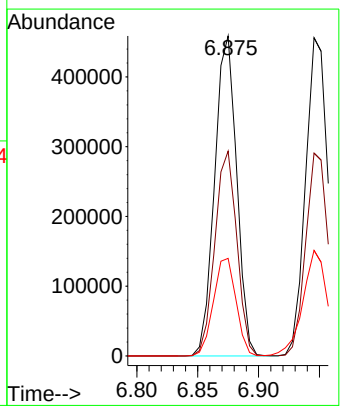


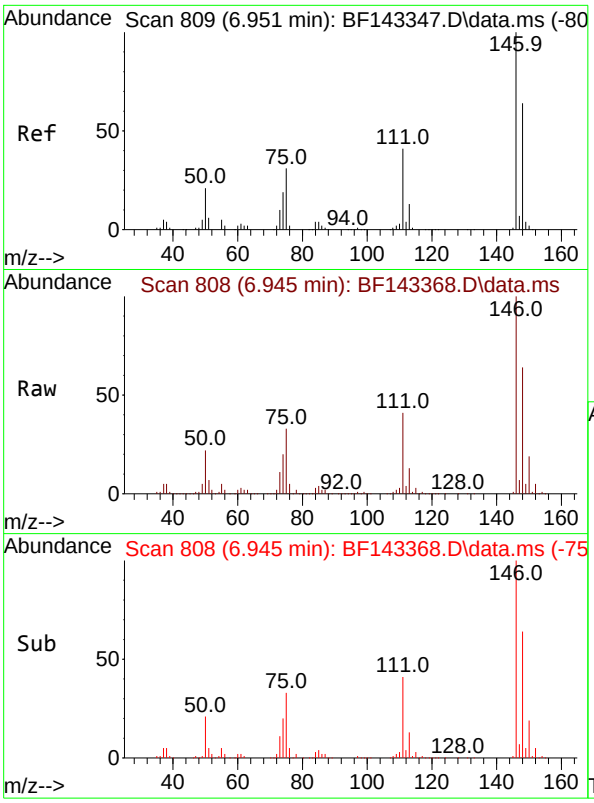


#12
1,3-Dichlorobenzene
Concen: 44.578 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:146 Resp: 578637

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.5	24.9	37.3



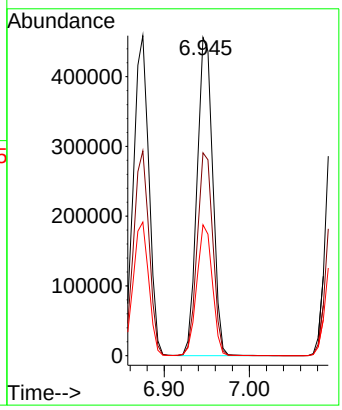


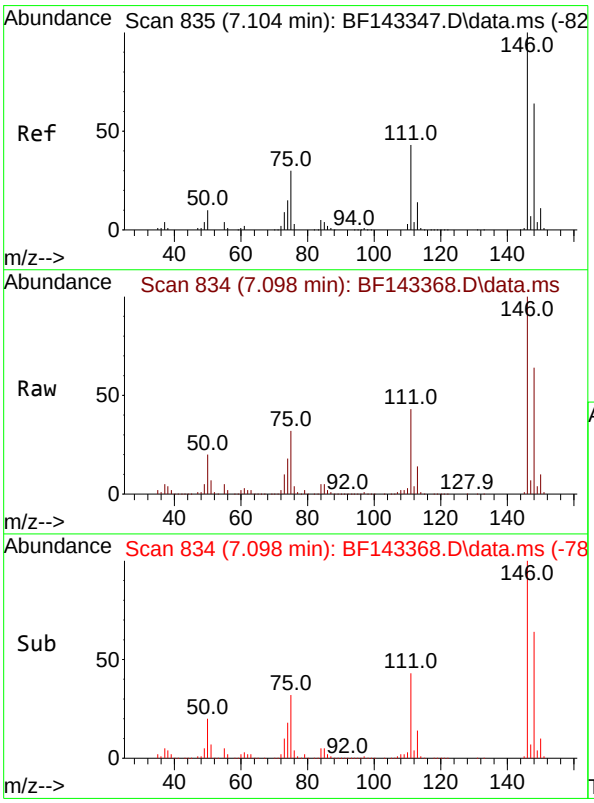
#13
1,4-Dichlorobenzene
Concen: 44.652 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:146 Resp: 581723

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	41.1	32.6	48.8

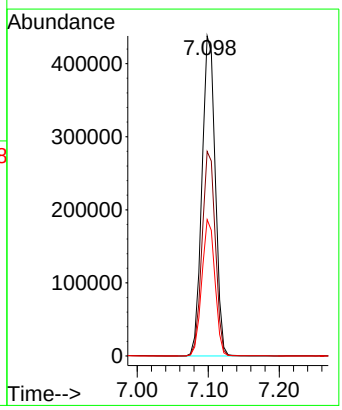


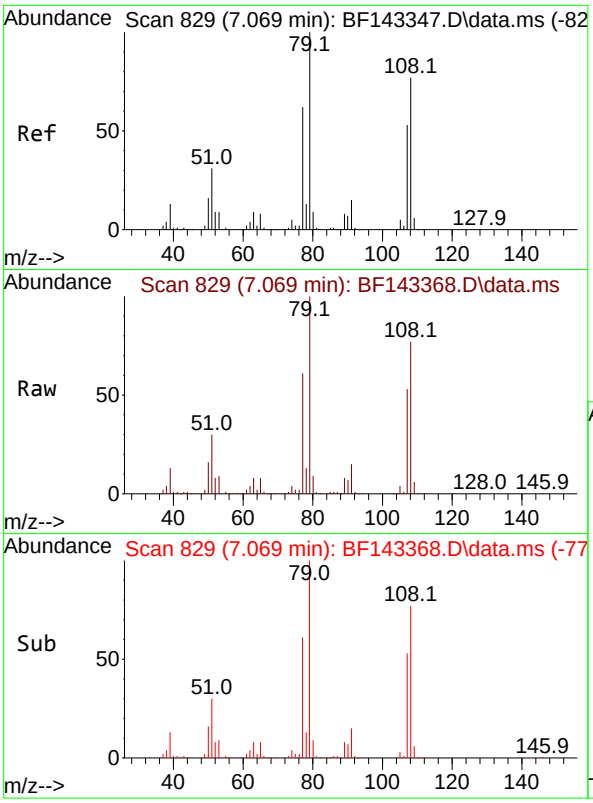


#14
1,2-Dichlorobenzene
Concen: 46.129 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:146 Resp: 570467

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	42.6	34.1	51.1



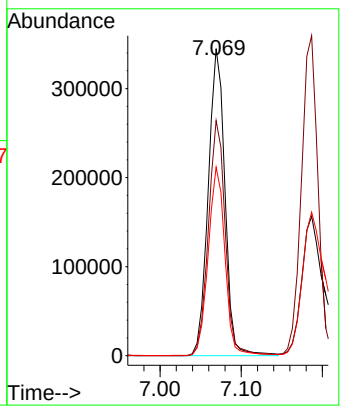


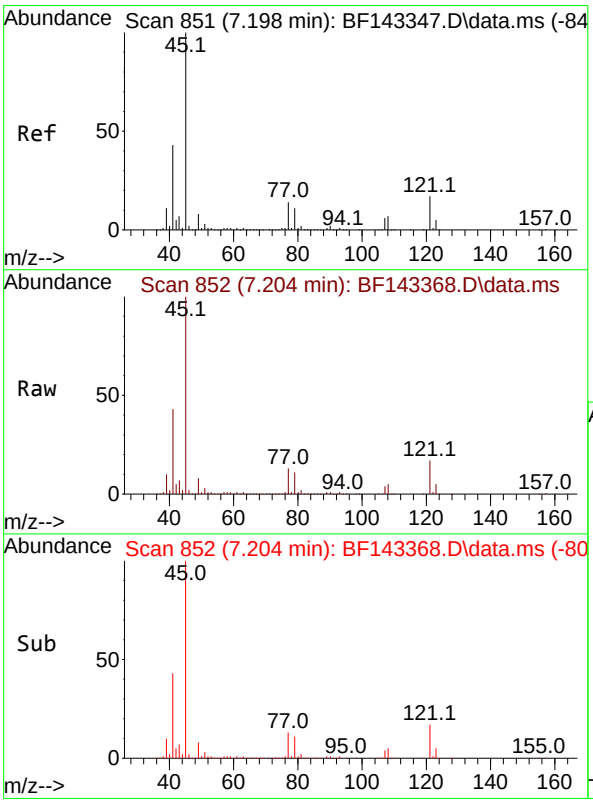
#15
Benzyl Alcohol
Concen: 50.893 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 79 Resp: 492701

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.5	92.3
77	61.4	49.8	74.8

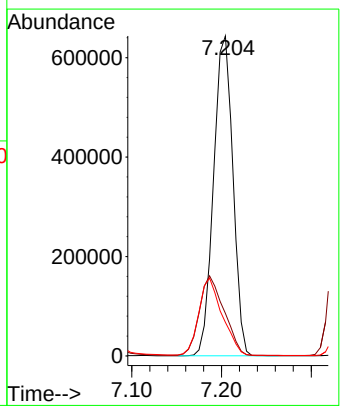


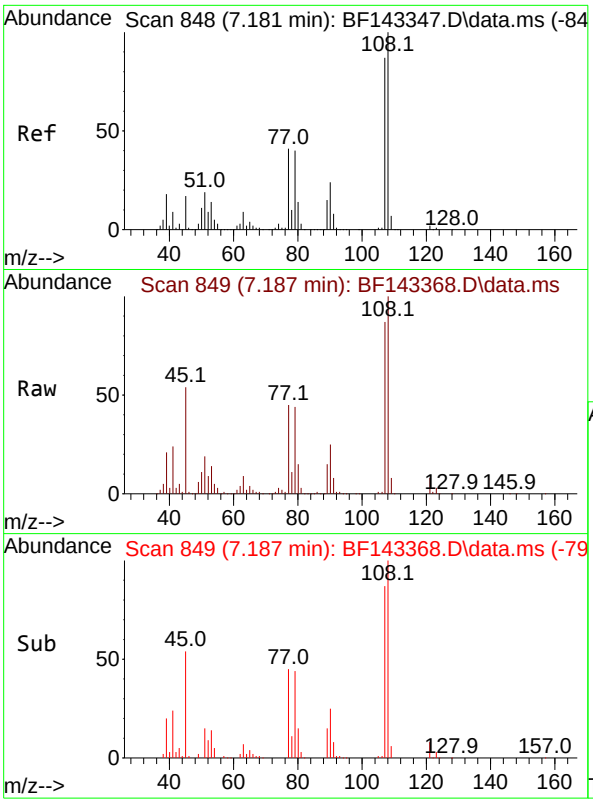


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.666 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 45 Resp: 961341

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	34.0
79	10.5	0.0	31.1



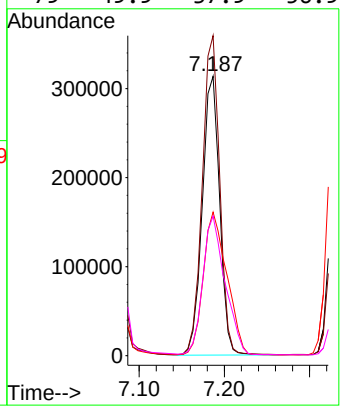


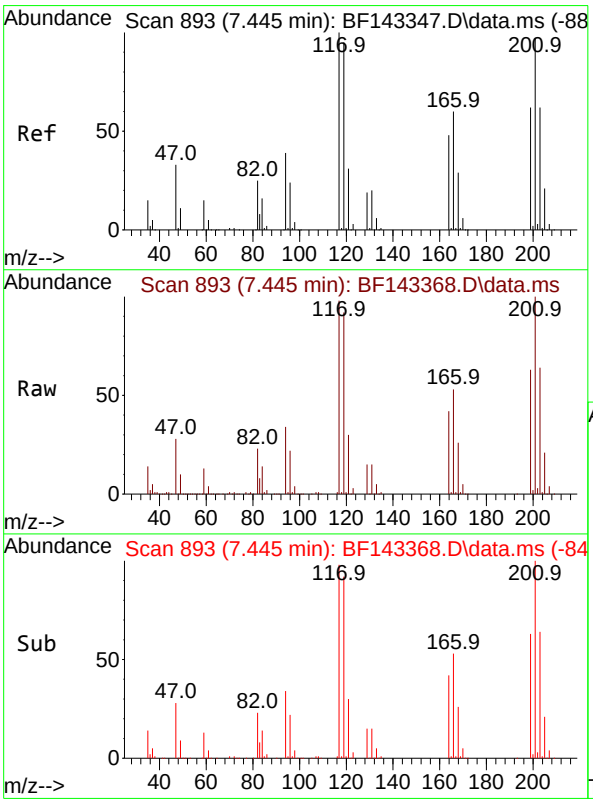
#17
2-Methylphenol
Concen: 46.670 ng
RT: 7.187 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:107 Resp: 443333

Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.0	138.0
77	51.4	38.2	57.2
79	49.9	37.9	56.9

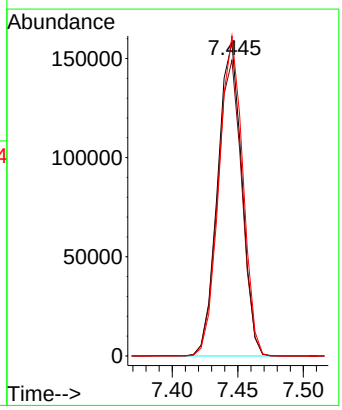


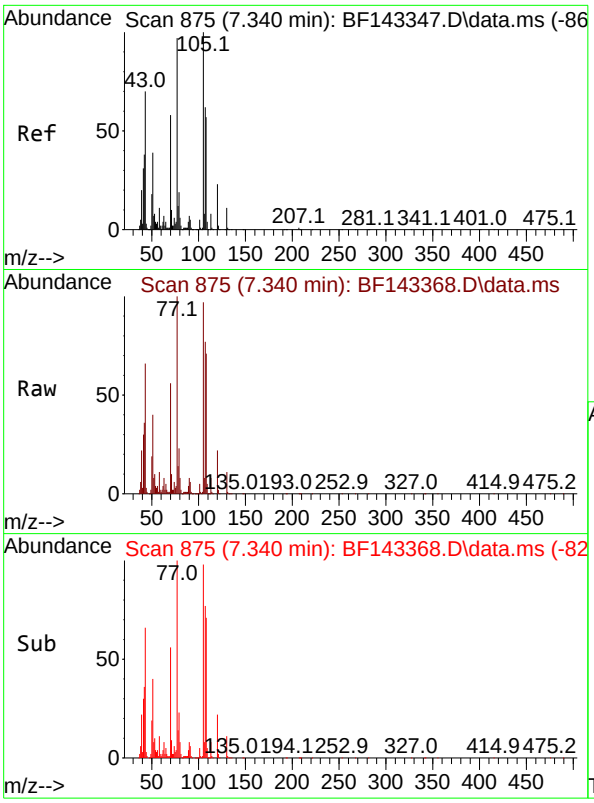


#18
Hexachloroethane
Concen: 49.556 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:117 Resp: 202404

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.8	113.8
201	102.2	77.2	115.8



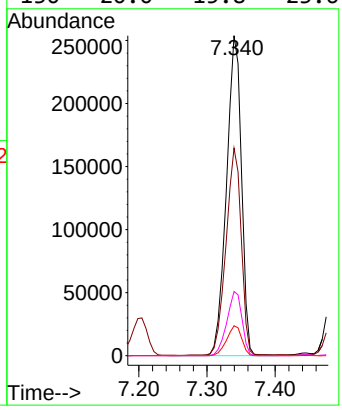


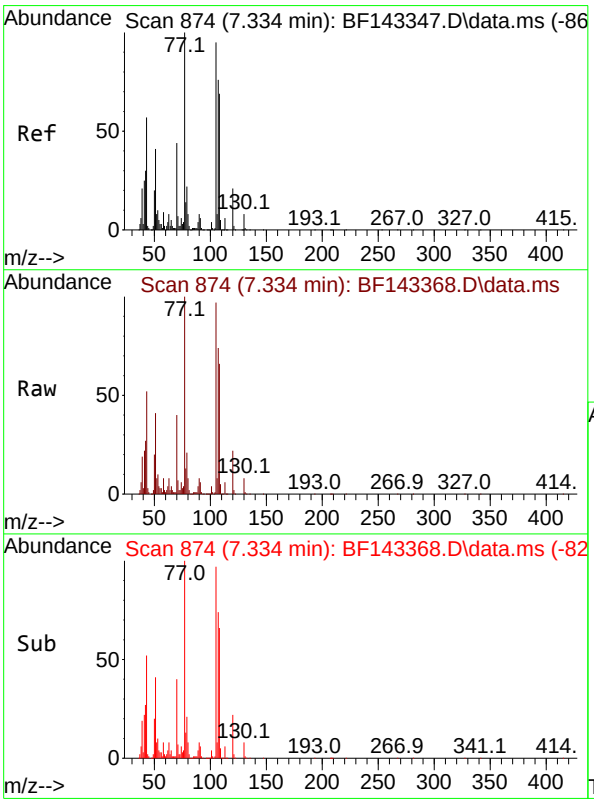
#19
n-Nitroso-di-n-propylamine
Concen: 46.600 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 70 Resp: 388884

Ion	Ratio	Lower	Upper
70	100		
42	64.9	51.6	77.4
101	9.4	7.5	11.3
130	20.0	15.8	23.6

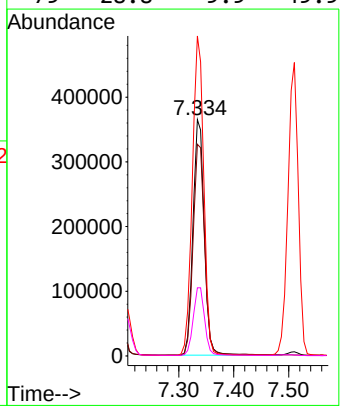


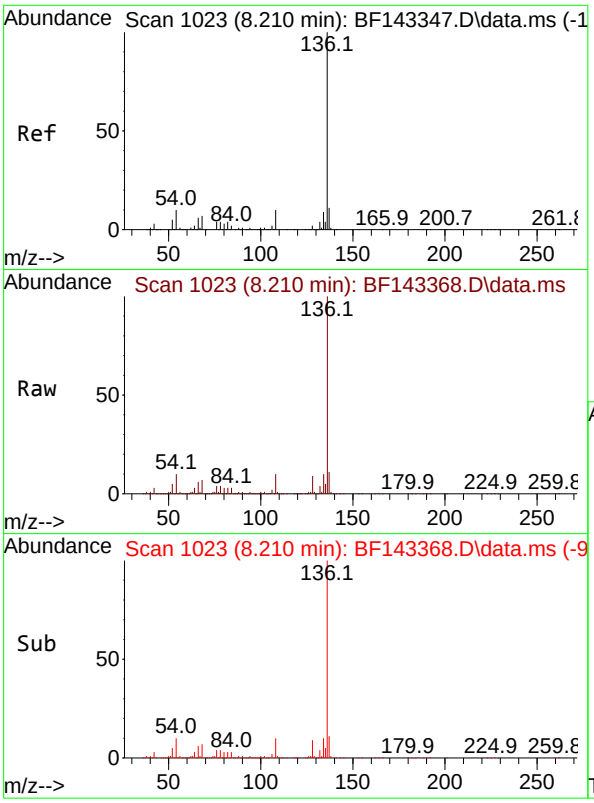


#20
3+4-Methylphenols
Concen: 45.126 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:107 Resp: 518418

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.6	110.6
77	135.4	112.0	152.0
79	28.8	9.9	49.9



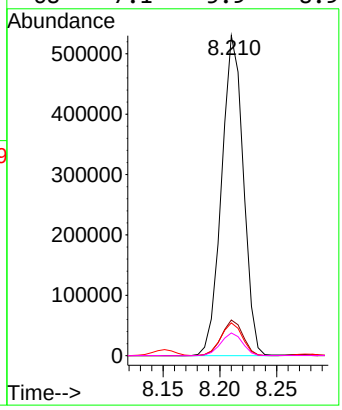


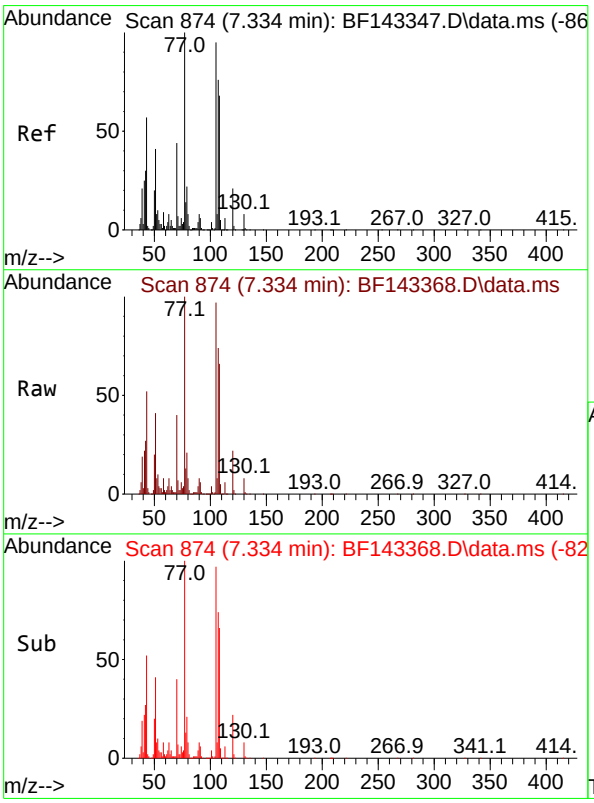
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:136 Resp: 707644

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.3	8.4	12.6
68	7.1	5.9	8.9

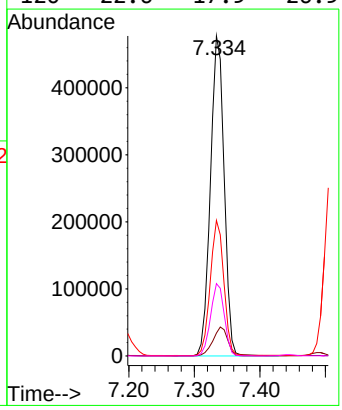


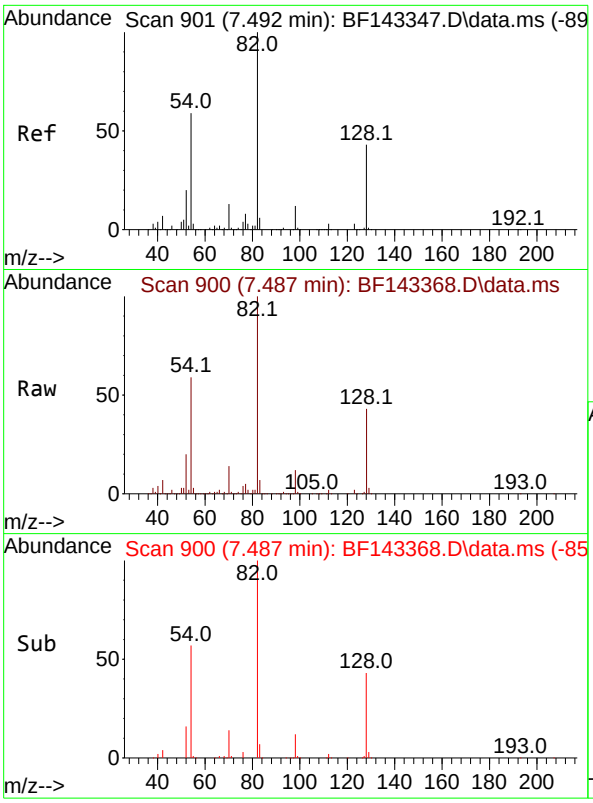


#22
Acetophenone
Concen: 44.573 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:105 Resp: 694973

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.2	9.4
51	42.3	34.8	52.2
120	22.6	17.9	26.9



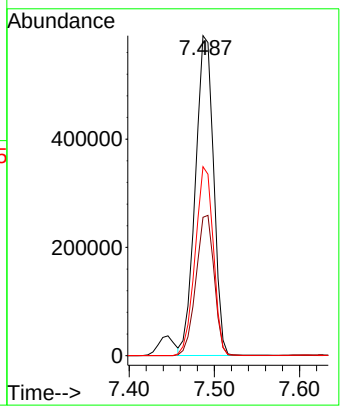


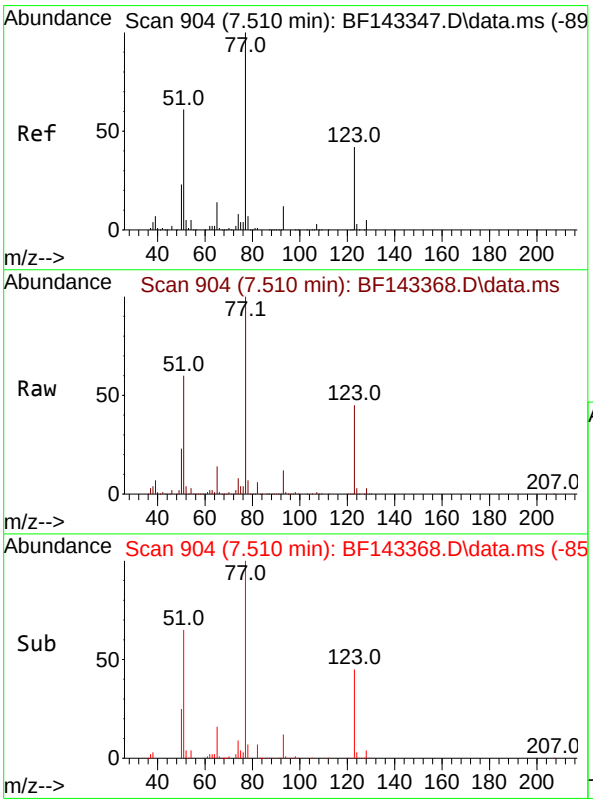
#23
Nitrobenzene-d5
Concen: 77.266 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 82 Resp: 878016

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.5	50.3
54	59.0	46.7	70.1

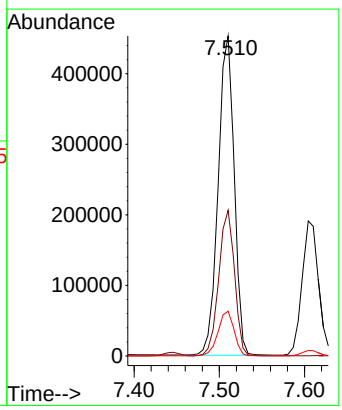


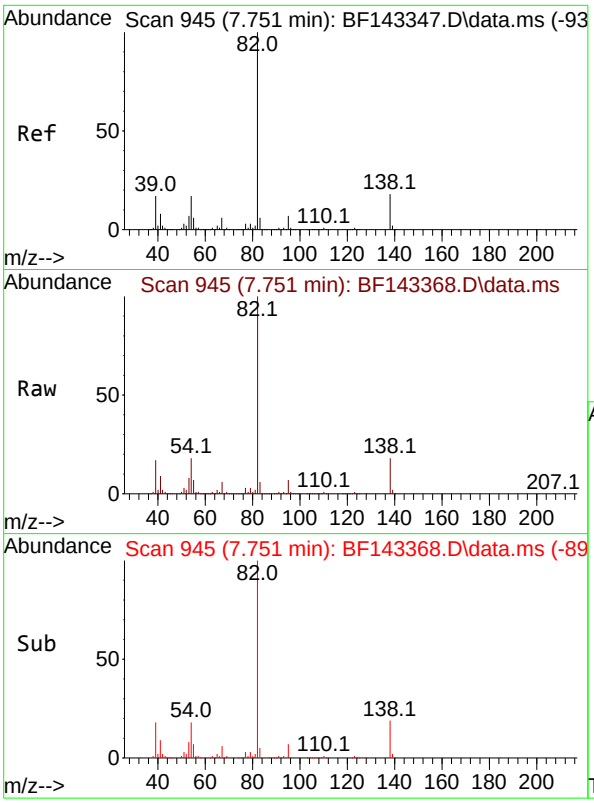


#24
Nitrobenzene
Concen: 48.092 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 77 Resp: 593508

Ion	Ratio	Lower	Upper
77	100		
123	45.5	34.8	52.2
65	14.0	11.0	16.6



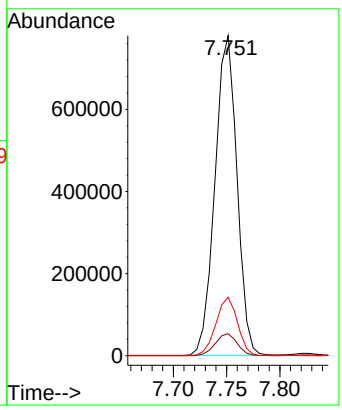


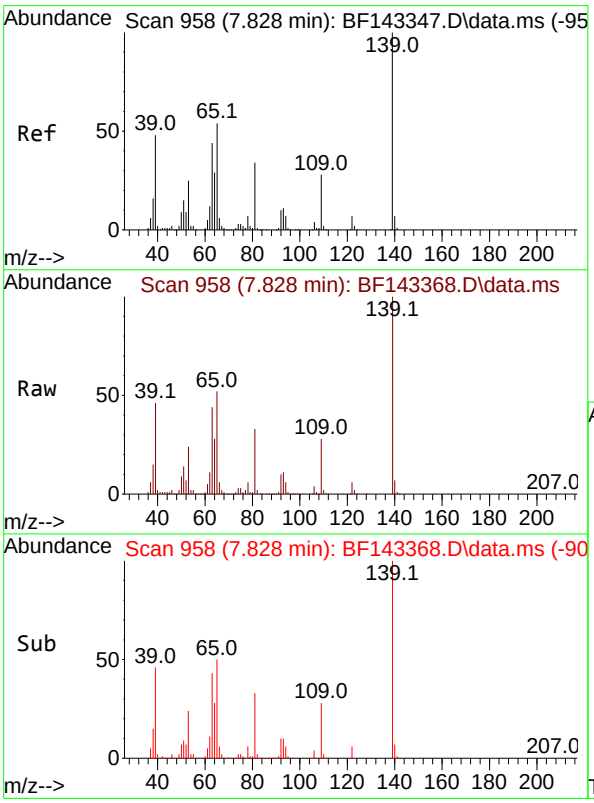
#25
Isophorone
Concen: 48.170 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 82 Resp: 1117448

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.3	14.6	21.8

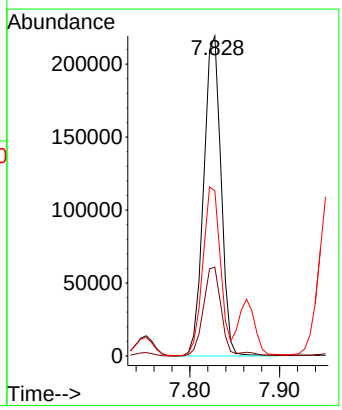


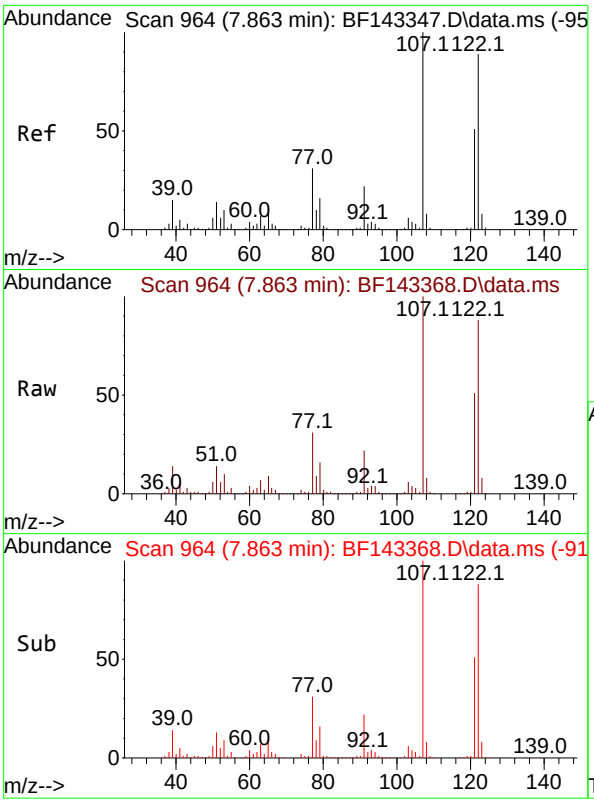


#26
2-Nitrophenol
Concen: 58.630 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:139 Resp: 294278

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.4	33.6
65	51.7	42.9	64.3



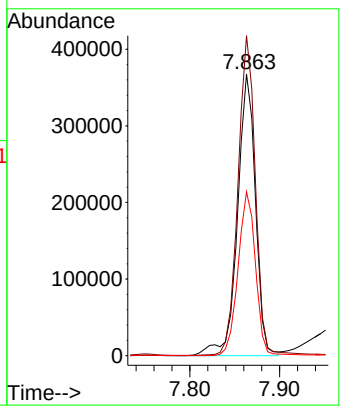


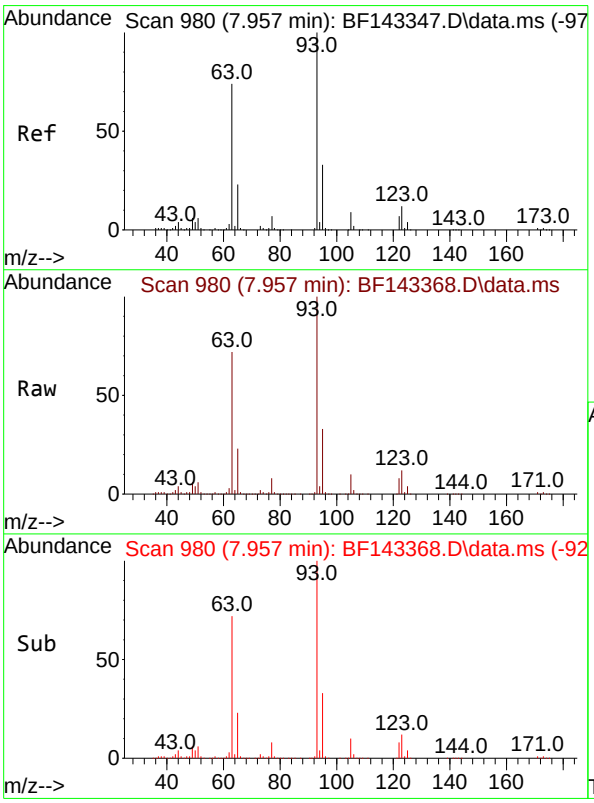
#27
2,4-Dimethylphenol
Concen: 52.817 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:122 Resp: 511164

Ion	Ratio	Lower	Upper
122	100		
107	113.6	89.9	134.9
121	58.2	46.2	69.4

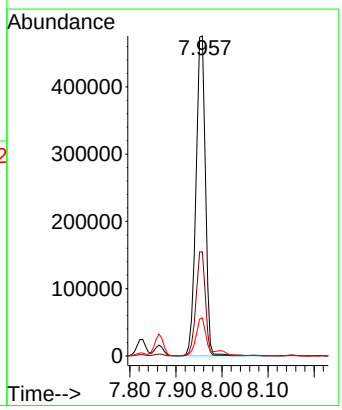


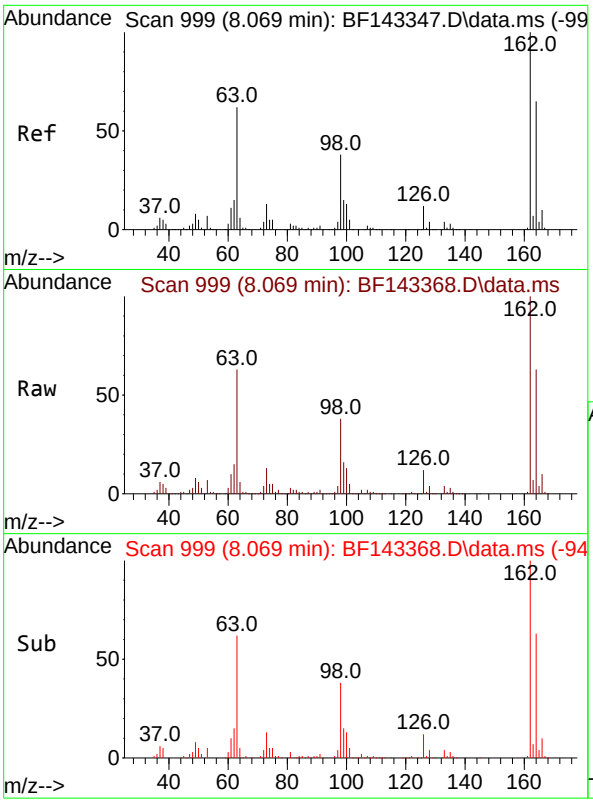


#28
bis(2-Chloroethoxy)methane
Concen: 47.729 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 93 Resp: 676006

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	11.9	9.4	14.2



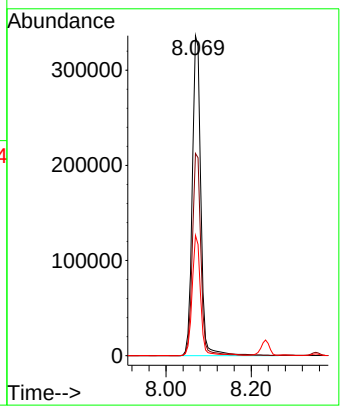


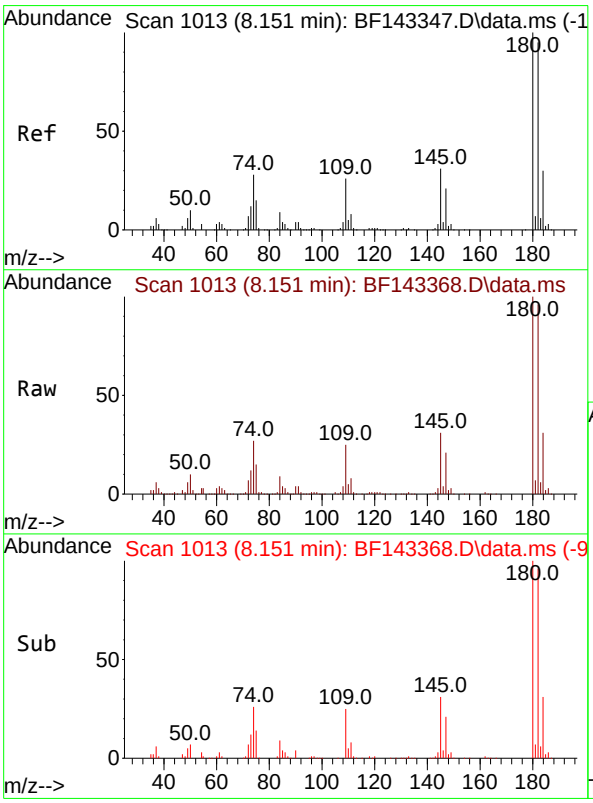
#29
2,4-Dichlorophenol
Concen: 49.593 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:162 Resp: 468786

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.5	84.5
98	37.6	17.7	57.7

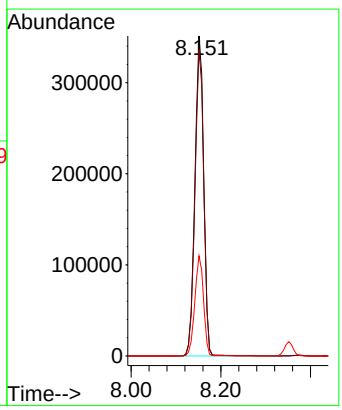


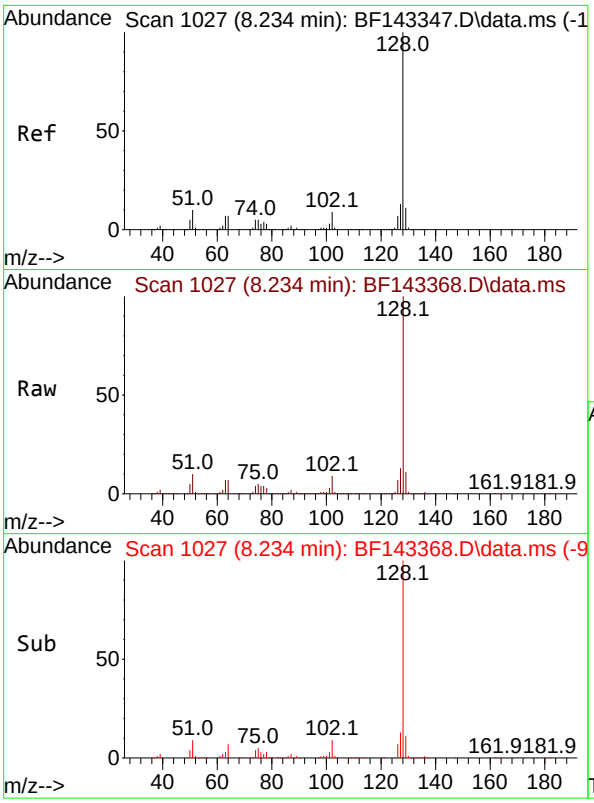


#30
1,2,4-Trichlorobenzene
Concen: 47.989 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:180 Resp: 478500

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	31.3	24.9	37.3



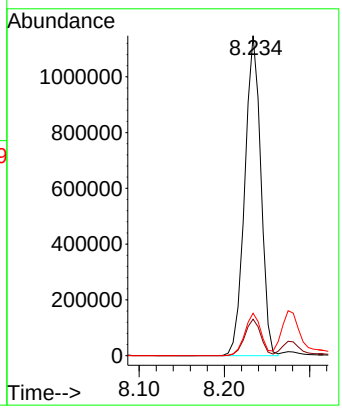


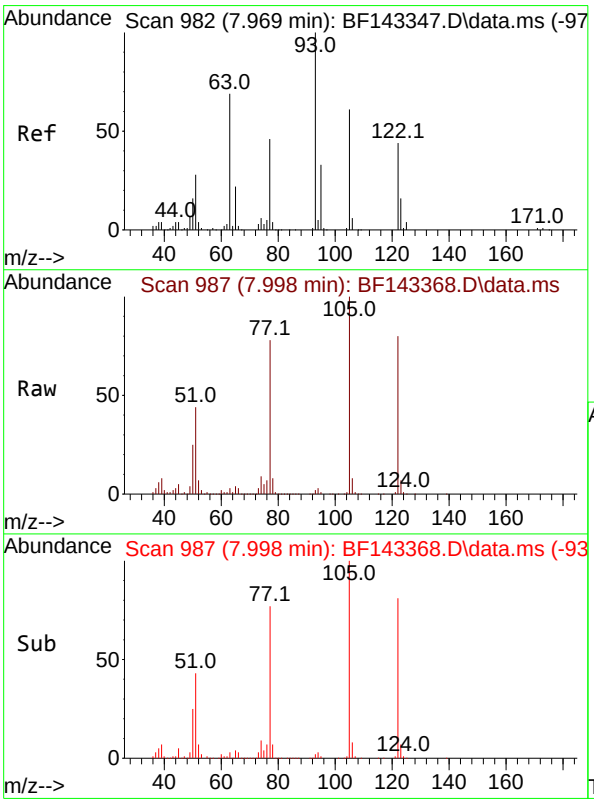
#31
Naphthalene
Concen: 44.199 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:128 Resp: 1505002

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.2	10.7	16.1

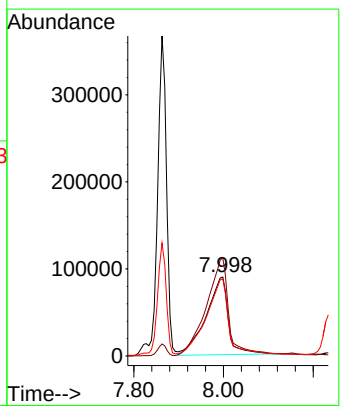


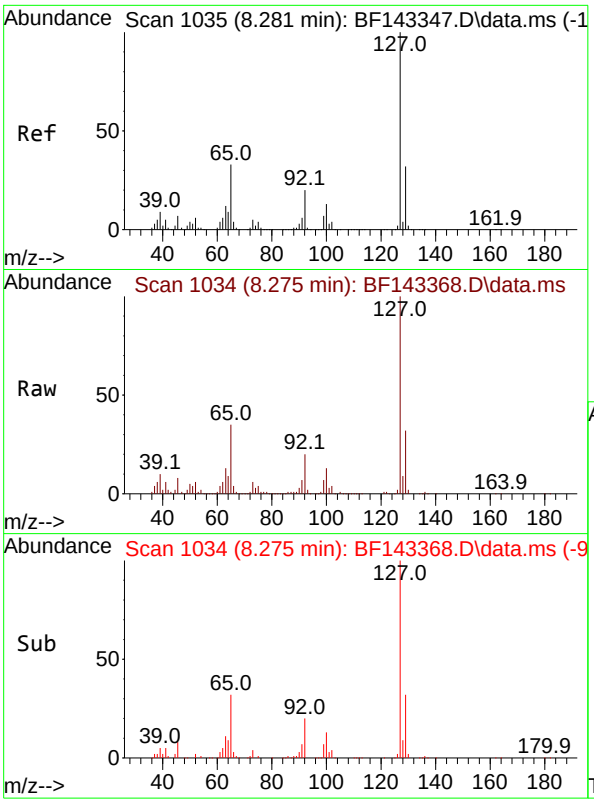


#32
Benzoic acid
Concen: 65.585 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.029 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:122 Resp: 309164

Ion	Ratio	Lower	Upper
122	100		
105	124.3	106.4	146.4
77	97.5	79.2	119.2



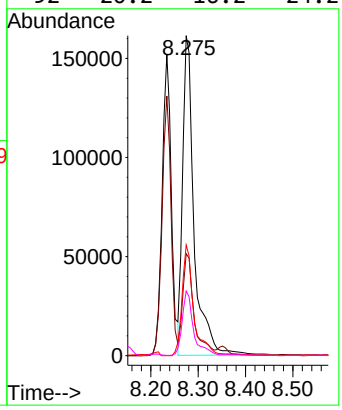


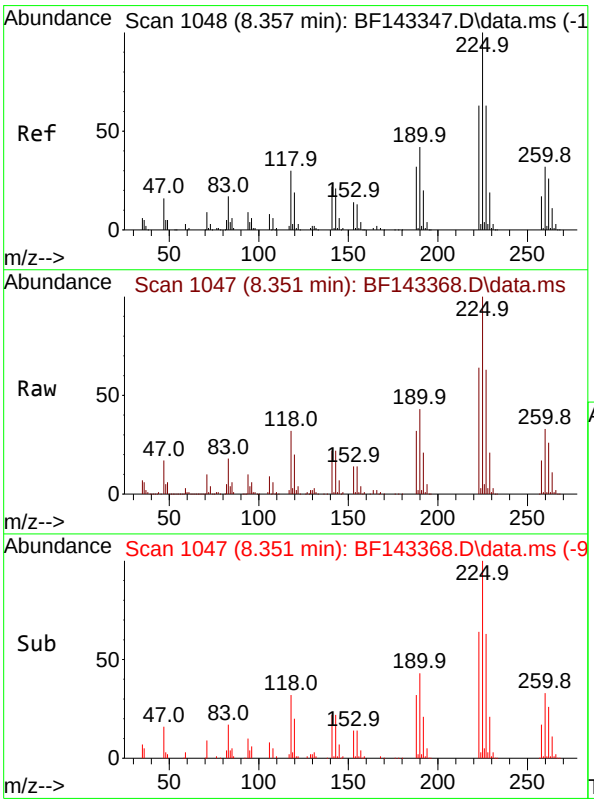
#33
4-Chloroaniline
Concen: 22.205 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:127 Resp: 272712

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.0	39.0
65	34.6	27.0	40.4
92	20.2	16.2	24.2

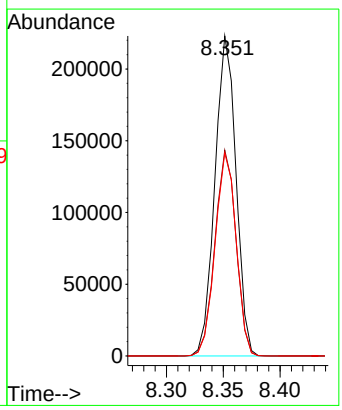


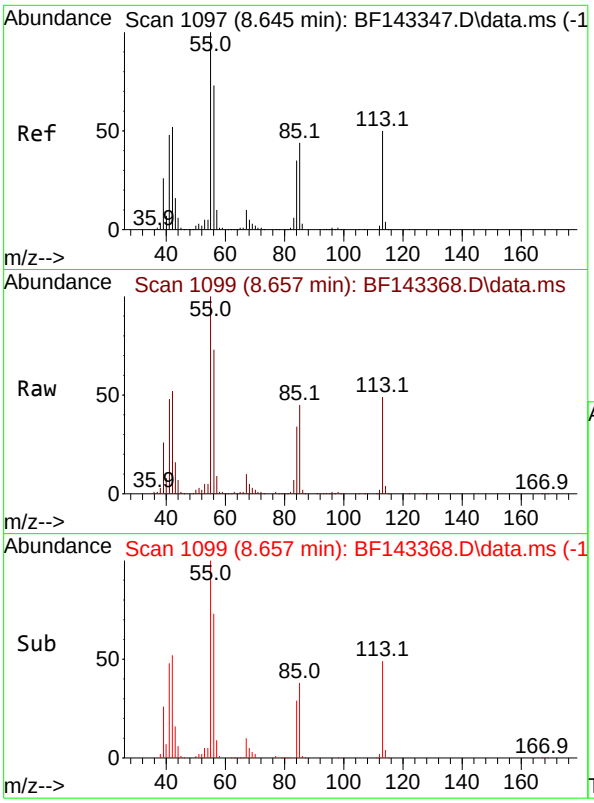


#34
Hexachlorobutadiene
Concen: 46.477 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:225 Resp: 288283

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.1	75.1
227	63.4	50.6	75.8



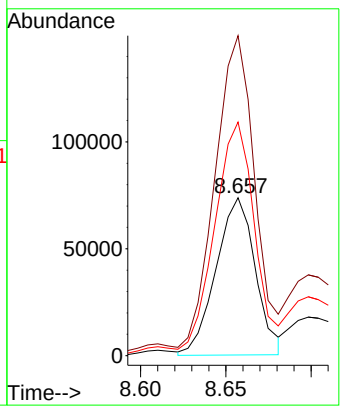


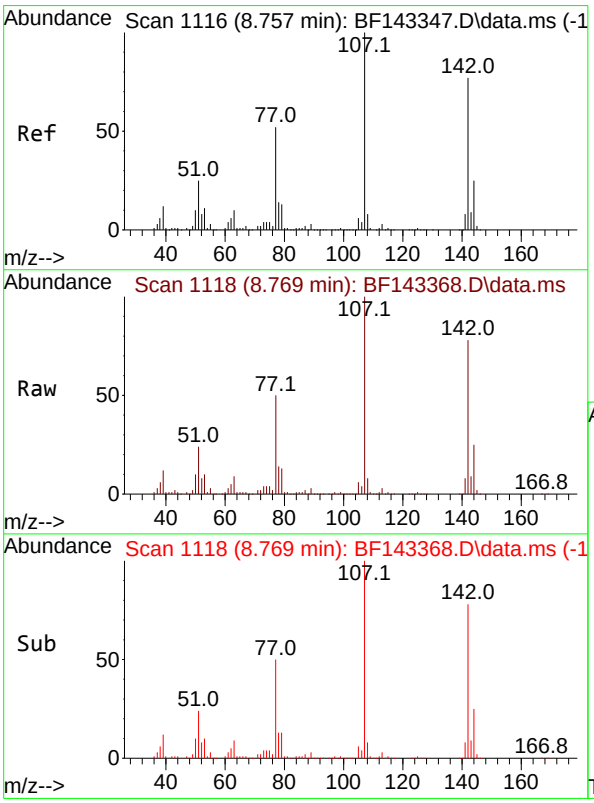
#35
Caprolactam
Concen: 44.450 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:113 Resp: 118120

Ion	Ratio	Lower	Upper
113	100		
55	202.6	181.4	221.4
56	147.9	127.3	167.3

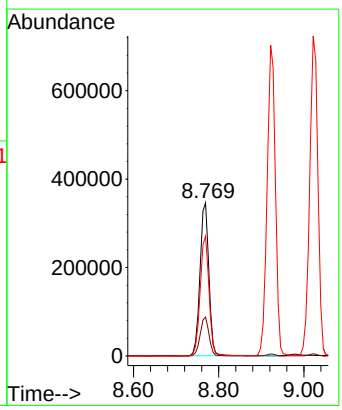


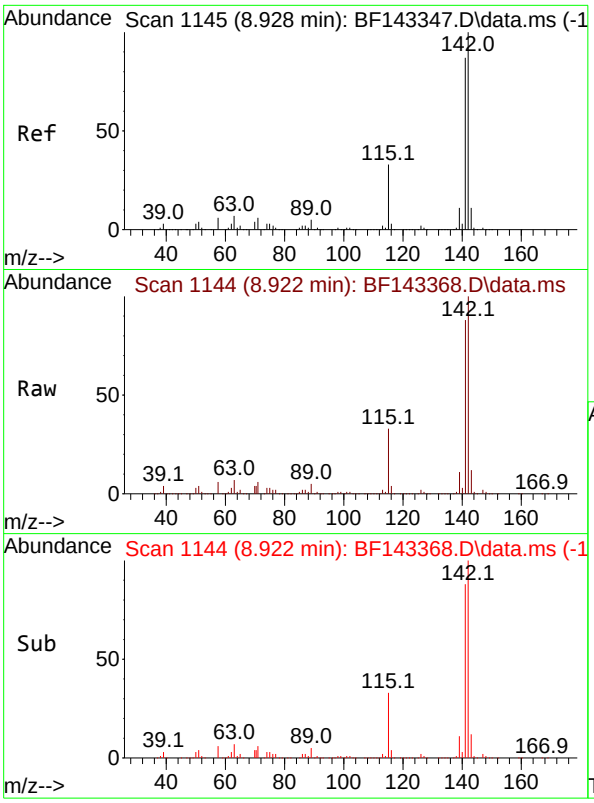


#36
4-Chloro-3-methylphenol
Concen: 50.708 ng
RT: 8.769 min Scan# 1118
Delta R.T. 0.012 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:107 Resp: 502504

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	78.2	61.3	91.9



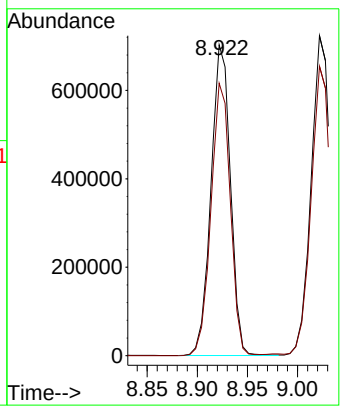


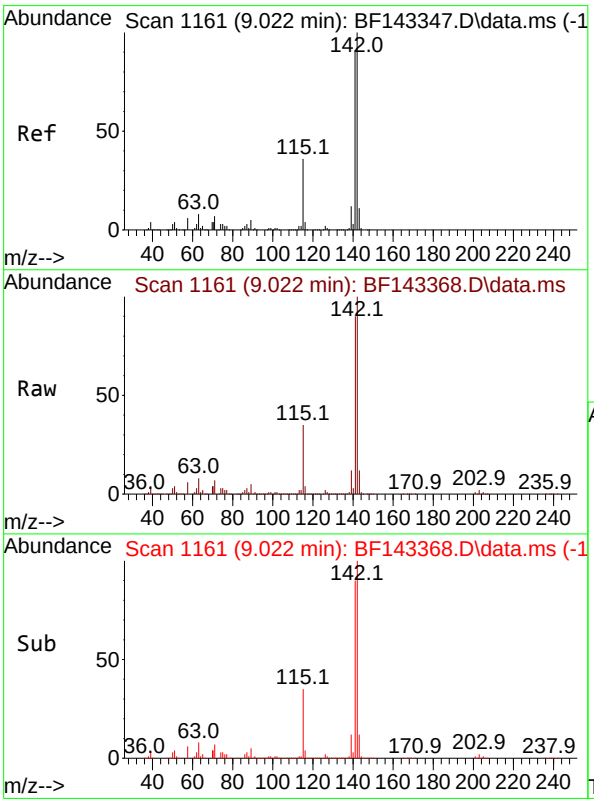
#37
2-Methylnaphthalene
Concen: 42.295 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:142 Resp: 946801

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.8	104.8

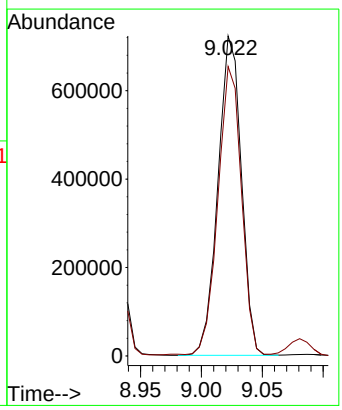


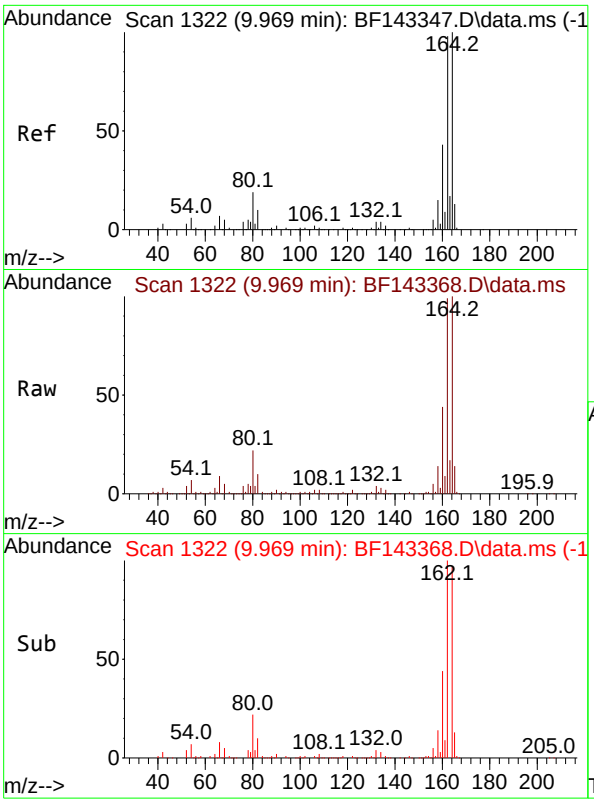


#38
1-Methylnaphthalene
Concen: 44.811 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:142 Resp: 966128

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.0	109.4



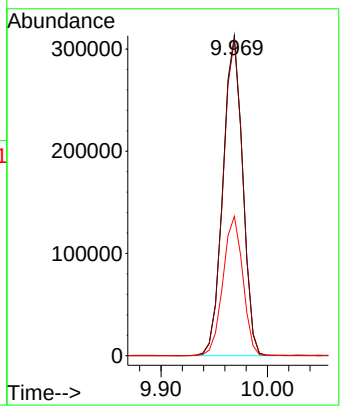


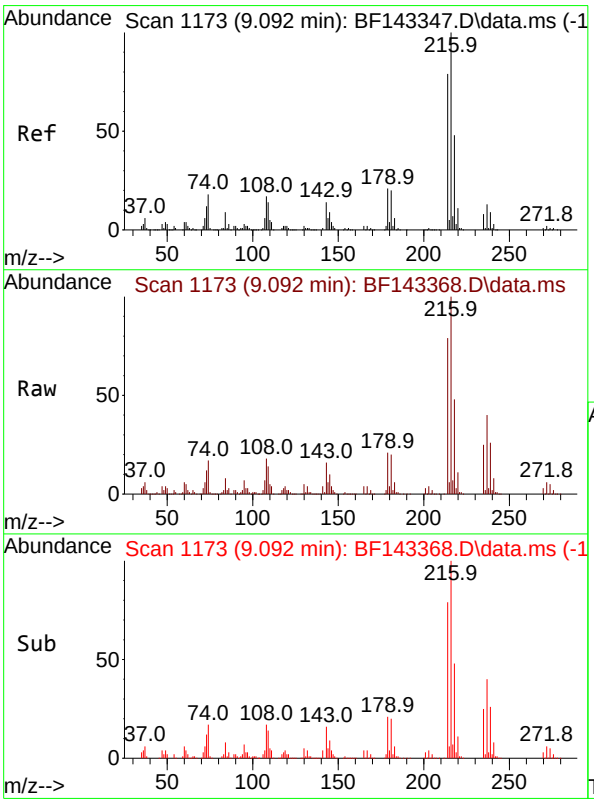
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:164 Resp: 400799

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.6	118.0
160	43.5	34.4	51.6

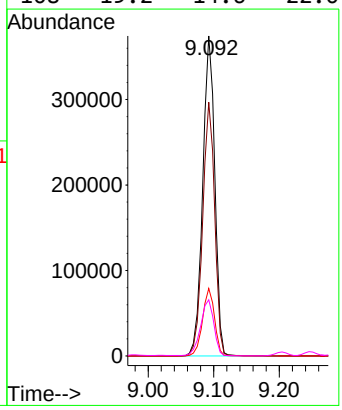


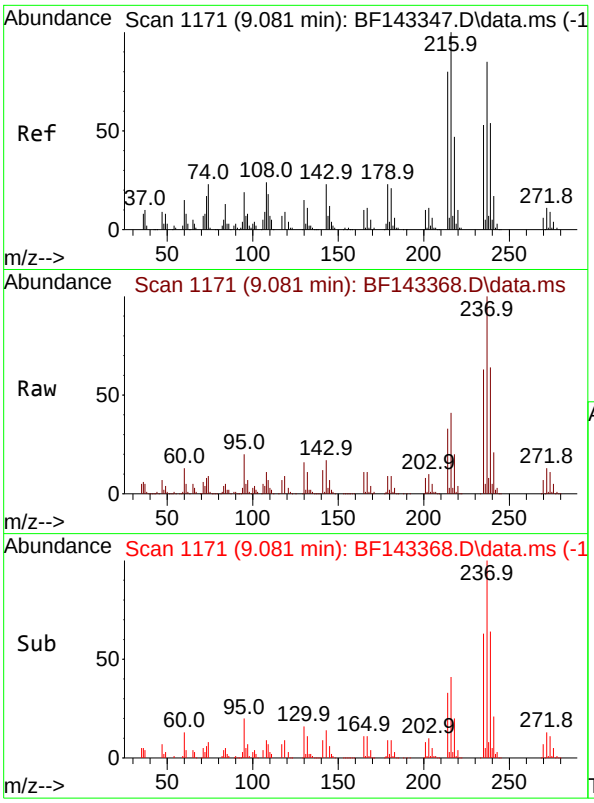


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.801 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:216 Resp: 480387

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	20.9	17.0	25.4
108	19.2	14.6	22.0



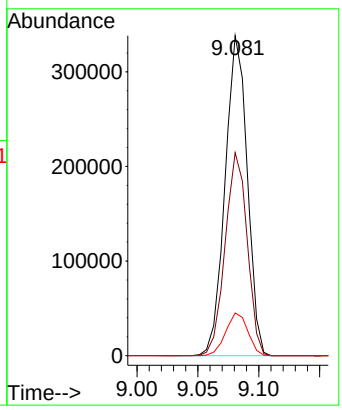


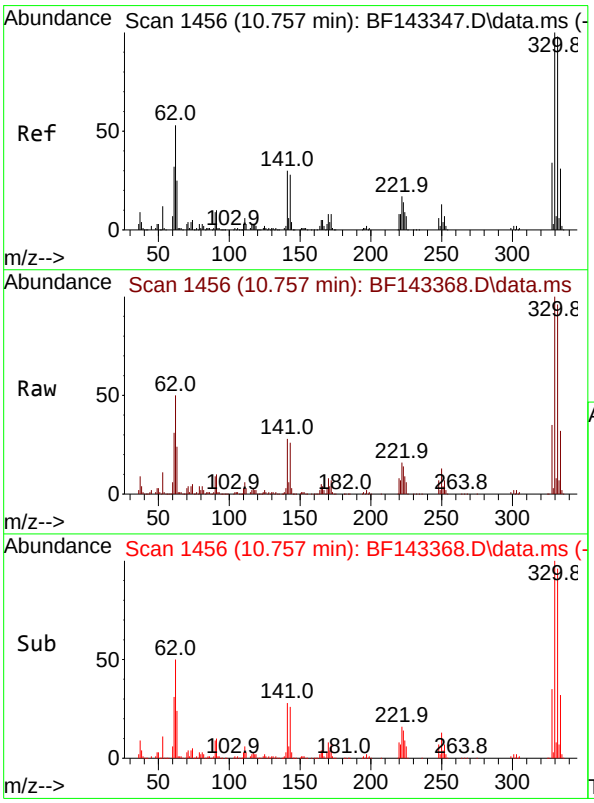
#41
Hexachlorocyclopentadiene
Concen: 108.143 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:237 Resp: 428209

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.0	82.0
272	13.3	0.0	32.6

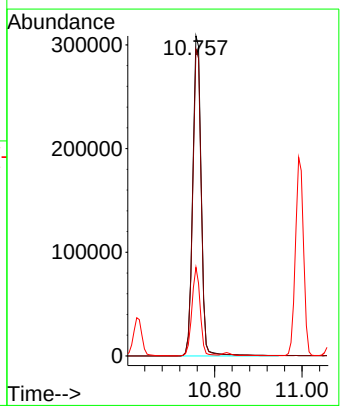


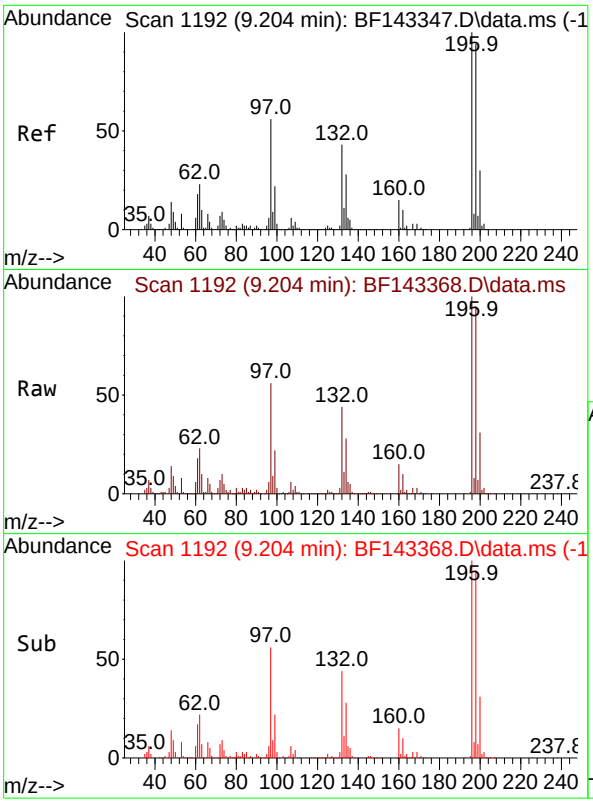


#42
2,4,6-Tribromophenol
Concen: 142.146 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:330 Resp: 416362

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.1	117.1
141	26.9	25.4	38.0



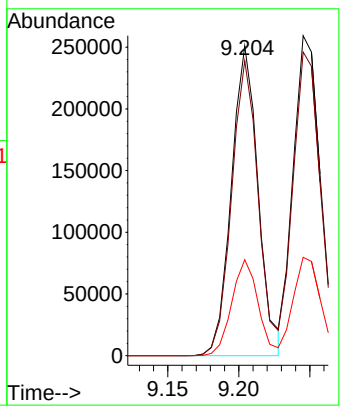


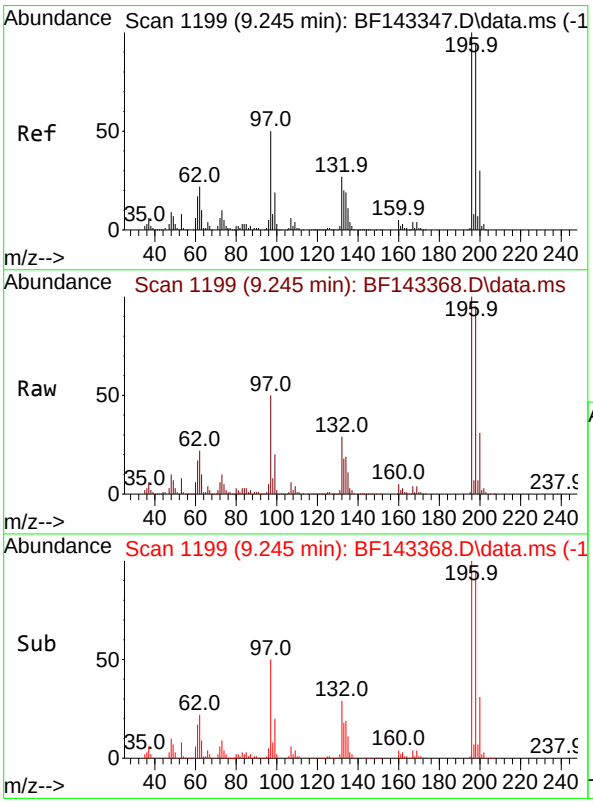
#43
2,4,6-Trichlorophenol
Concen: 52.788 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:196 Resp: 328493

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	31.0	24.3	36.5

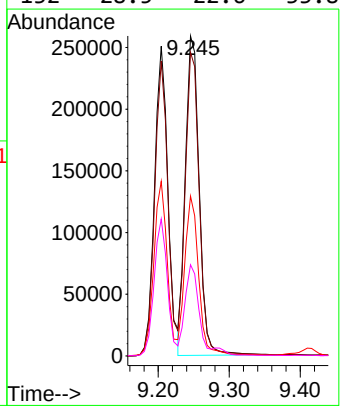


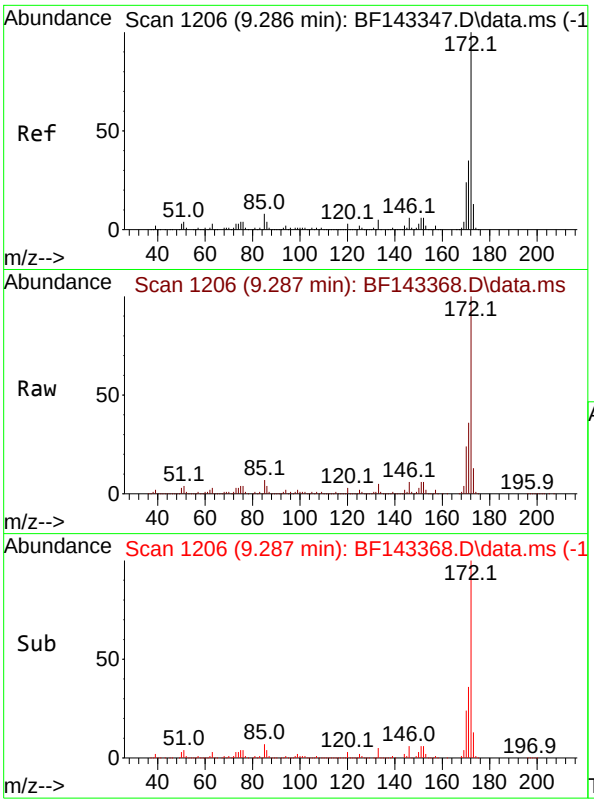


#44
2,4,5-Trichlorophenol
Concen: 50.056 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:196 Resp: 351758

Ion	Ratio	Lower	Upper
196	100		
198	94.9	75.4	113.2
97	49.9	39.9	59.9
132	28.5	22.6	33.8



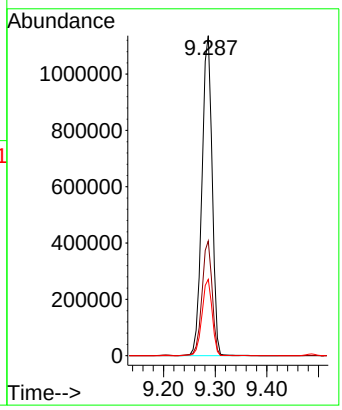


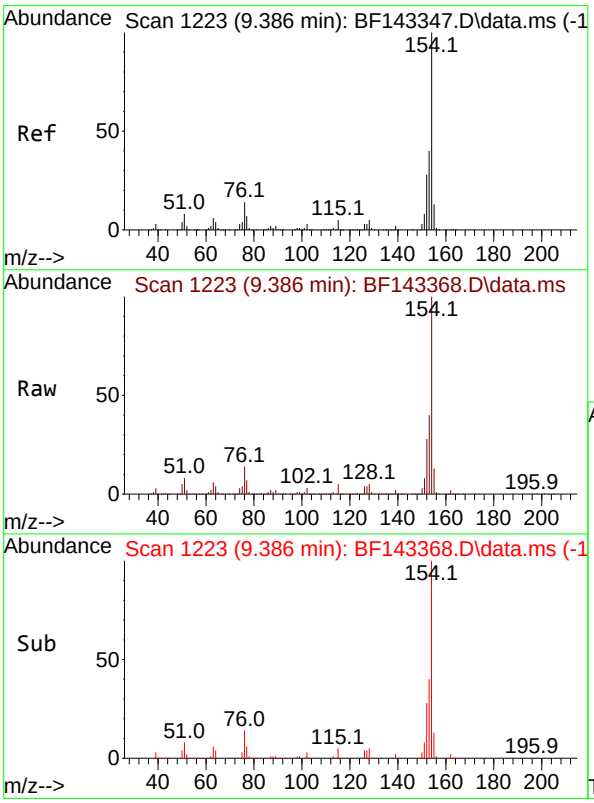
#45
2-Fluorobiphenyl
Concen: 65.860 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:172 Resp: 1556632

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.9	19.1	28.7

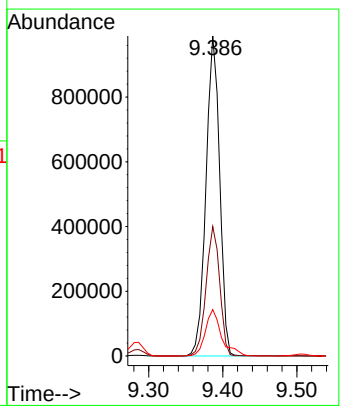


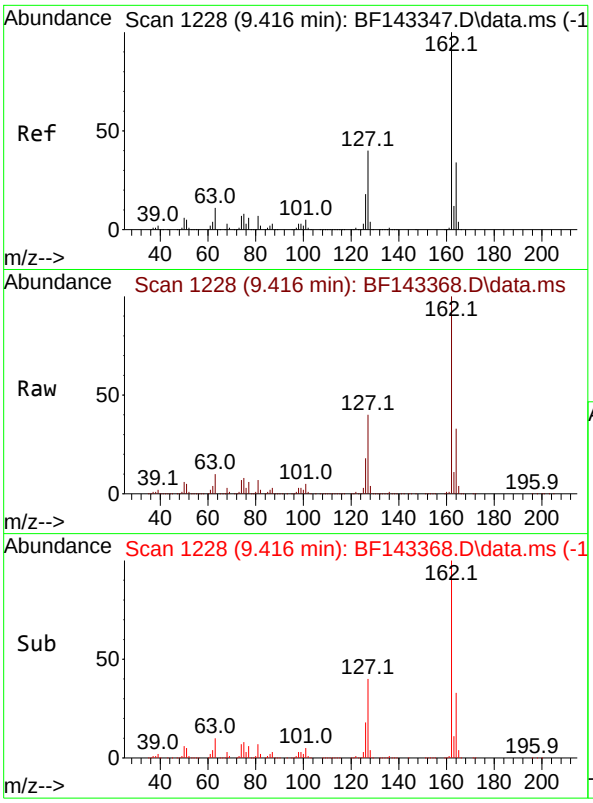


#46
1,1'-Biphenyl
Concen: 44.834 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:154 Resp: 1270549

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	14.5	0.0	34.4



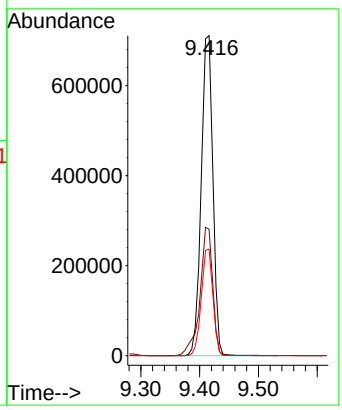


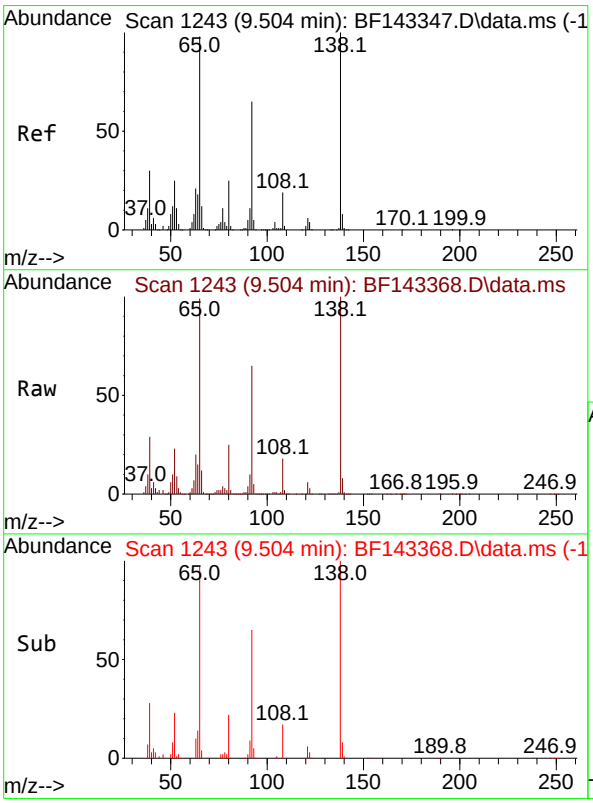
#47
2-Chloronaphthalene
Concen: 43.906 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:162 Resp: 979937

Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.1	48.1
164	33.3	27.0	40.4

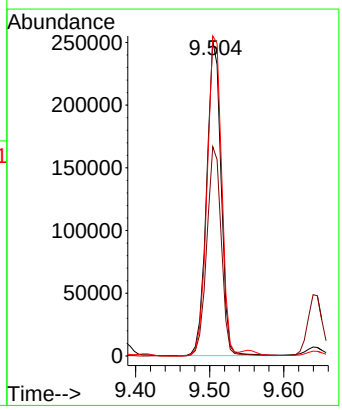


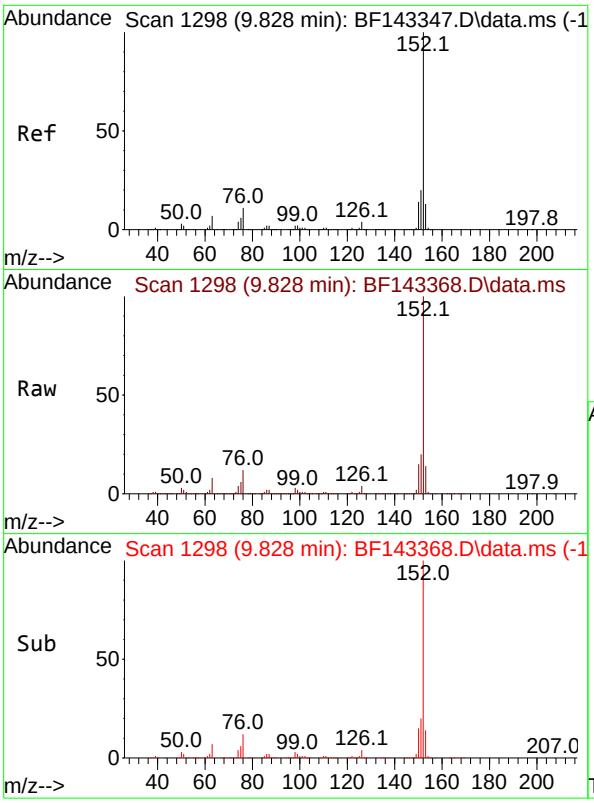


#48
2-Nitroaniline
Concen: 52.679 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion: 65 Resp: 340937

Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.1	79.7
138	101.5	81.4	122.0



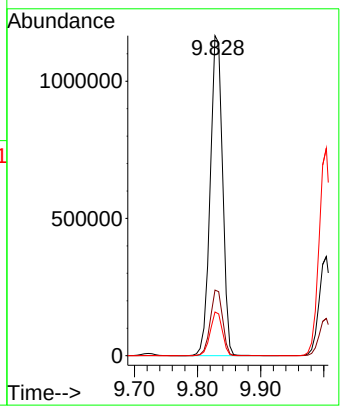


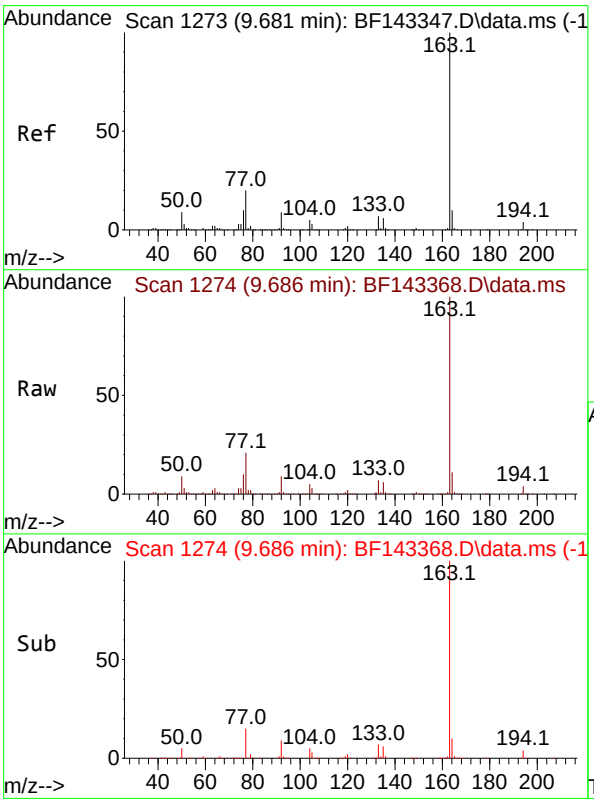
#49
Acenaphthylene
Concen: 49.067 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:152 Resp: 1581483

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.7	10.6	16.0

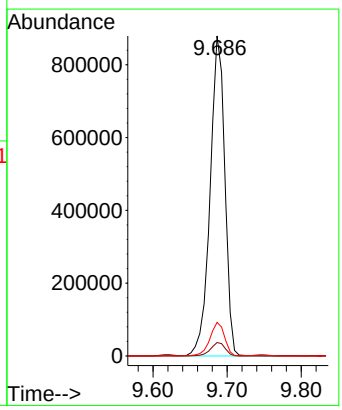


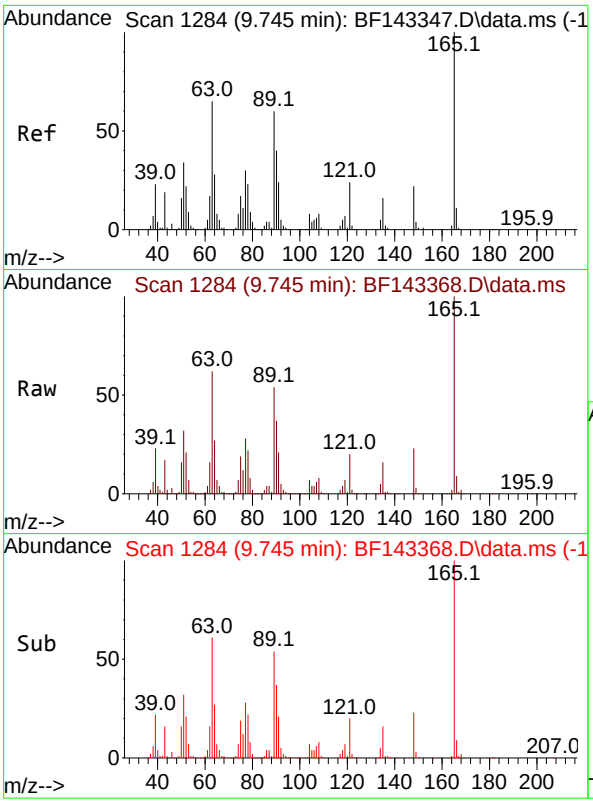


#50
Dimethylphthalate
Concen: 51.866 ng
RT: 9.686 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:163 Resp: 1214679

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.5	8.2	12.2



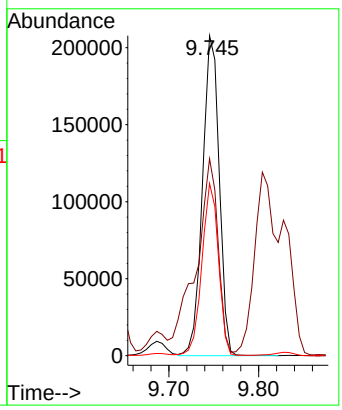


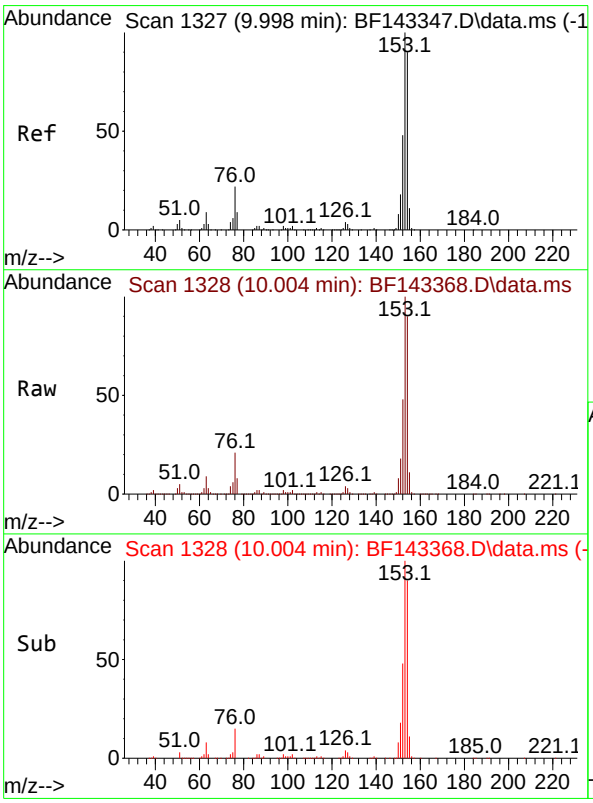
#51
2,6-Dinitrotoluene
Concen: 59.883 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:165 Resp: 268843

Ion	Ratio	Lower	Upper
165	100		
63	61.5	51.6	77.4
89	53.8	47.7	71.5

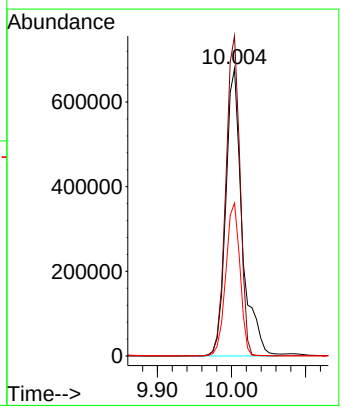


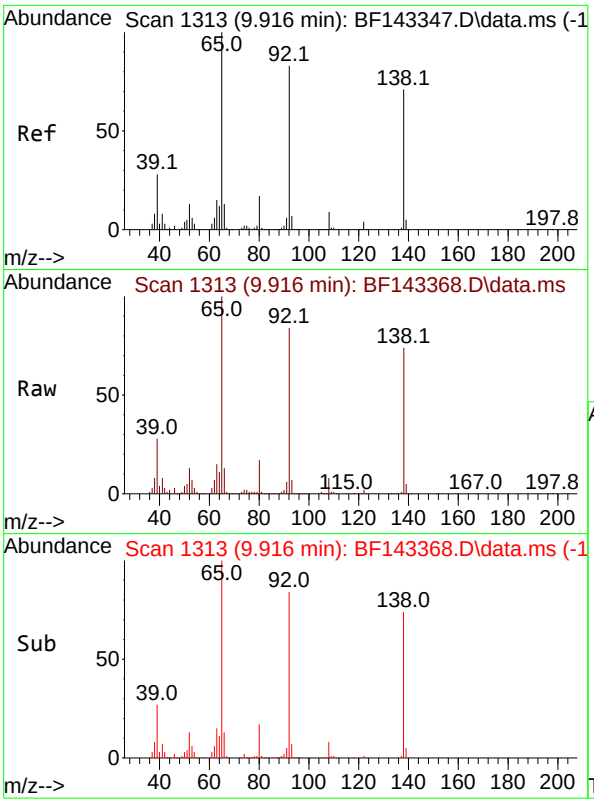


#52
Acenaphthene
Concen: 48.688 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:154 Resp: 1043271

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.5	132.7
152	53.2	42.4	63.6



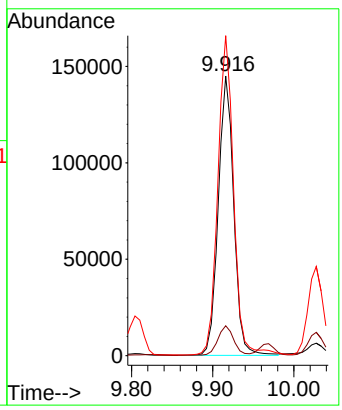


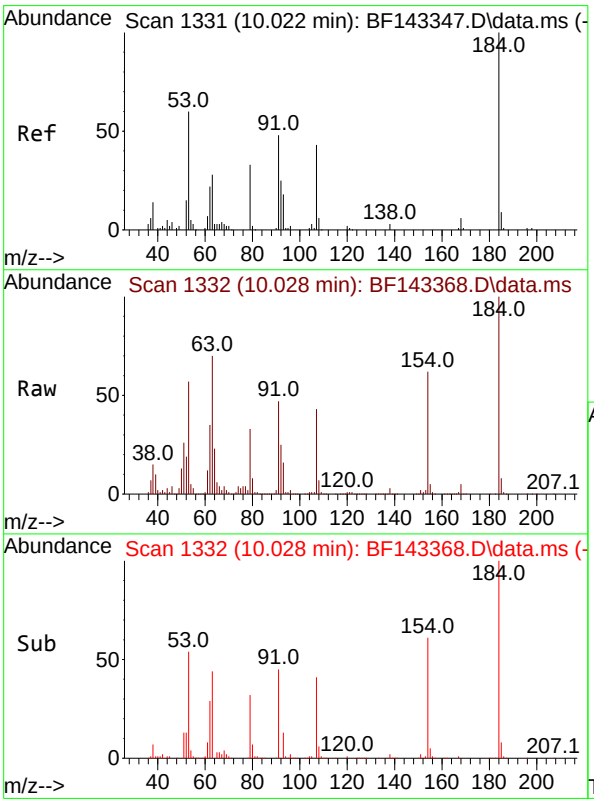
#53
3-Nitroaniline
Concen: 40.131 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:138 Resp: 192473

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.6	14.4
92	114.4	93.4	140.2

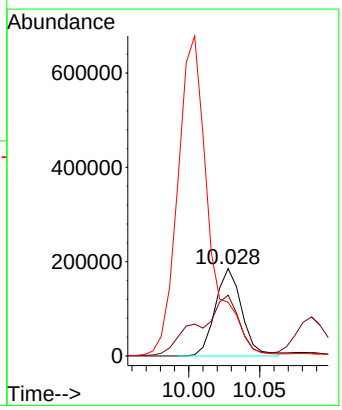


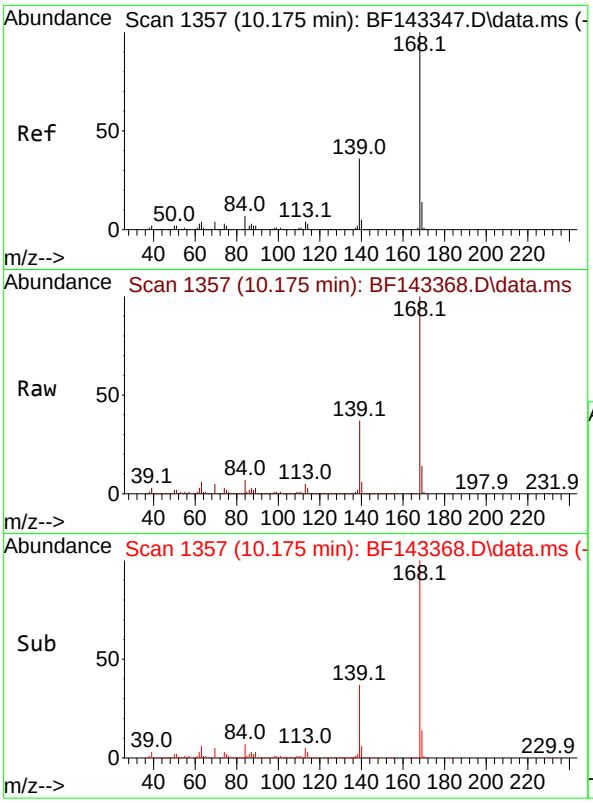


#54
2,4-Dinitrophenol
Concen: 108.851 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:184 Resp: 241742

Ion	Ratio	Lower	Upper
184	100		
63	69.7	62.5	93.7
154	61.6	73.0	109.4#



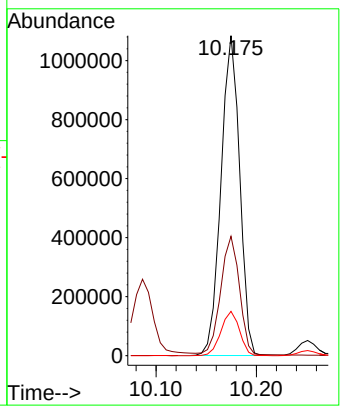


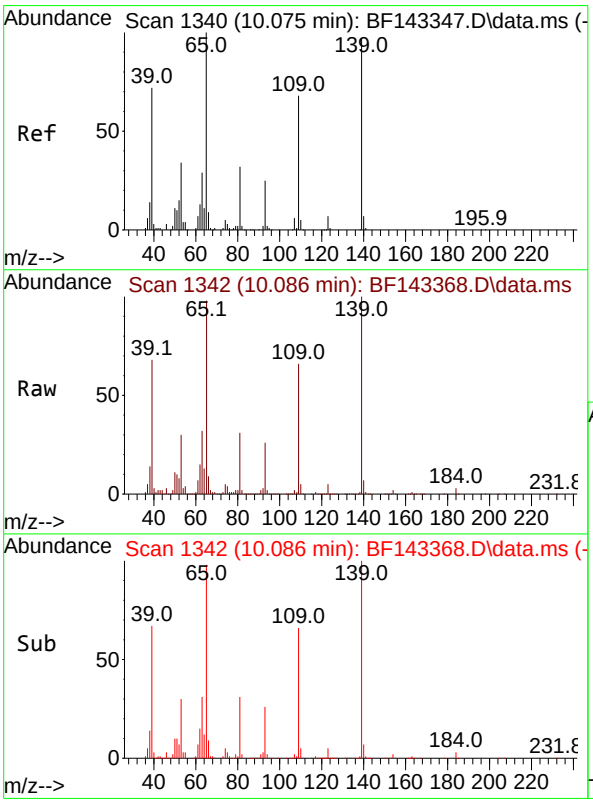
#55
Dibenzofuran
Concen: 45.461 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:168 Resp: 1401976

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.4	44.0
169	13.8	11.0	16.6

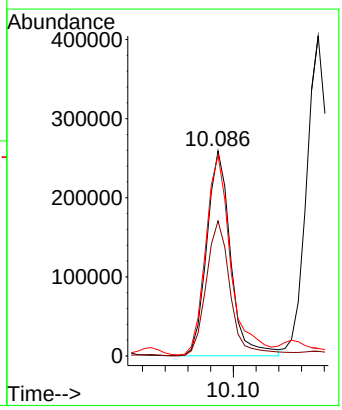


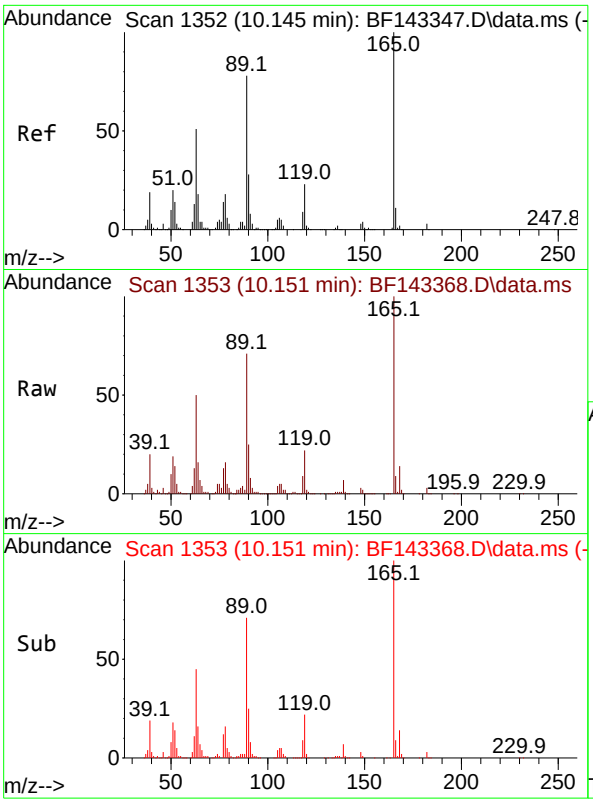


#56
4-Nitrophenol
Concen: 97.115 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:139 Resp: 377068

Ion	Ratio	Lower	Upper
139	100		
109	65.9	49.4	89.4
65	97.8	83.7	123.7



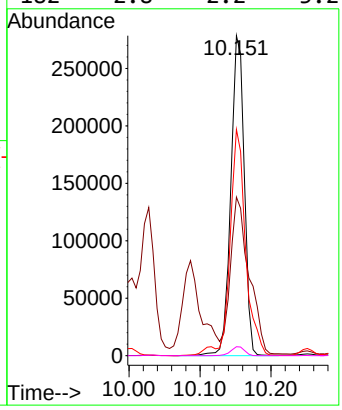


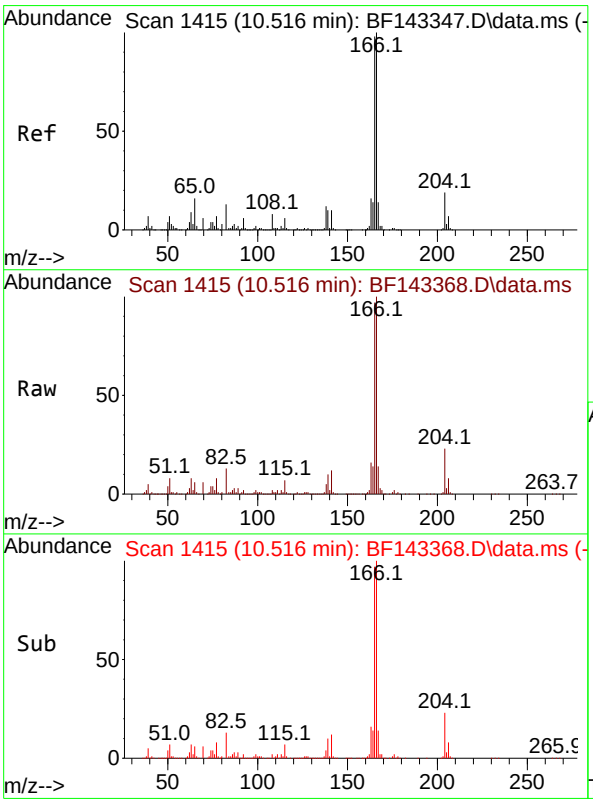
#57
2,4-Dinitrotoluene
Concen: 61.658 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:165 Resp: 367974

Ion	Ratio	Lower	Upper
165	100		
63	49.5	41.8	62.8
89	70.7	62.4	93.6
182	2.8	2.2	3.2

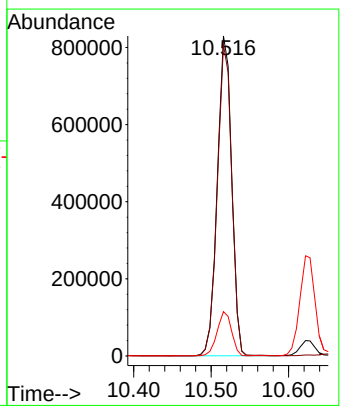


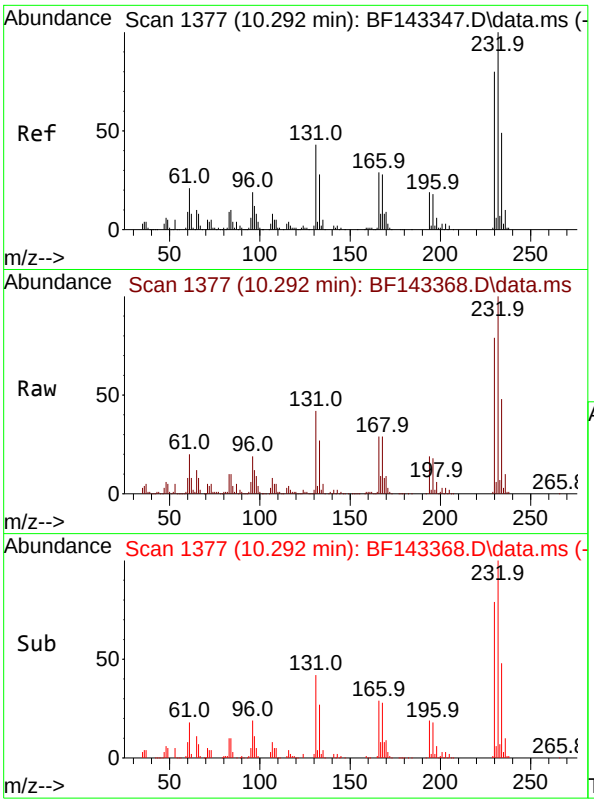


#58
Fluorene
Concen: 45.419 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:166 Resp: 1069858

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.2	117.4
167	13.9	10.9	16.3



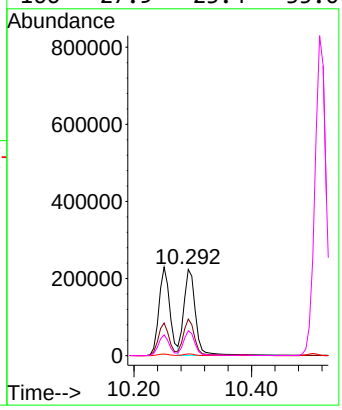


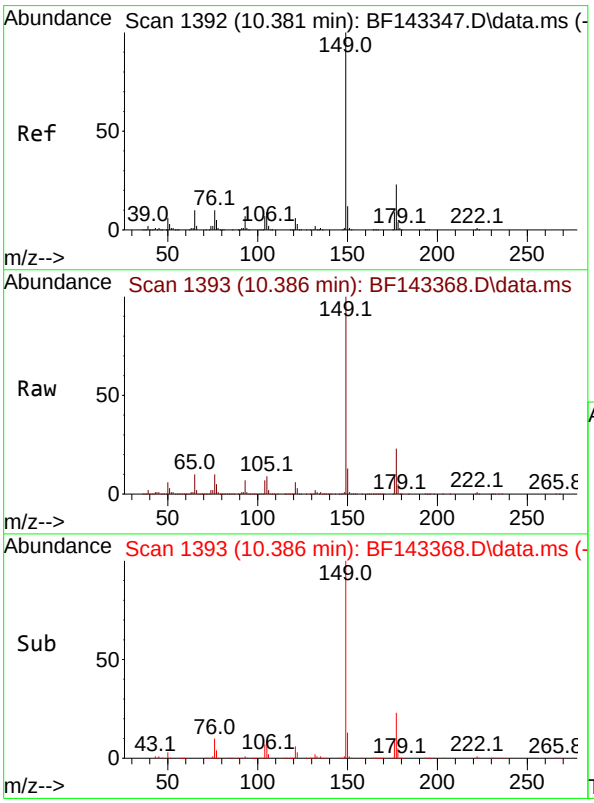
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.954 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:232 Resp: 302951

Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.6	51.8
130	1.9	1.7	2.5
166	27.9	23.4	35.0

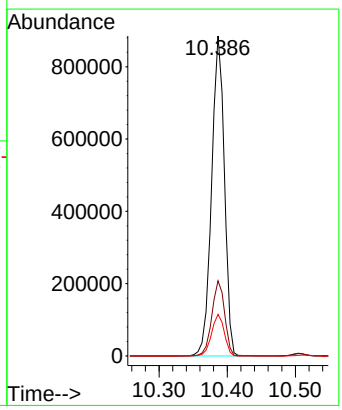


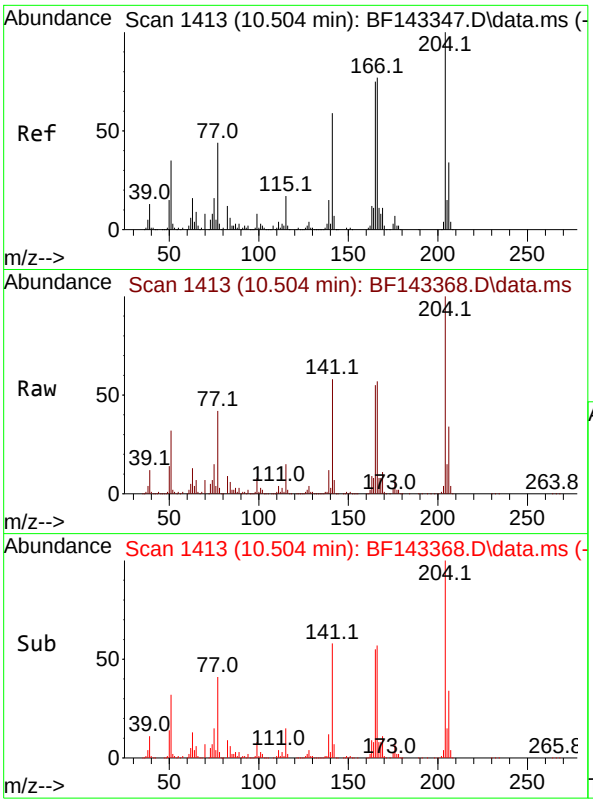


#60
Diethylphthalate
Concen: 55.082 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 1155461

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.2	27.2
150	13.0	9.9	14.9



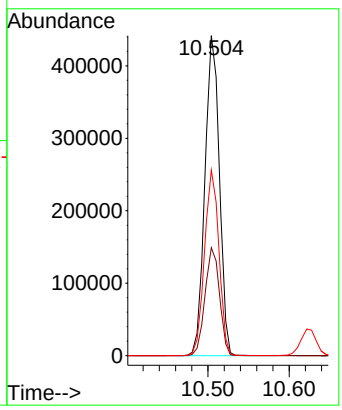


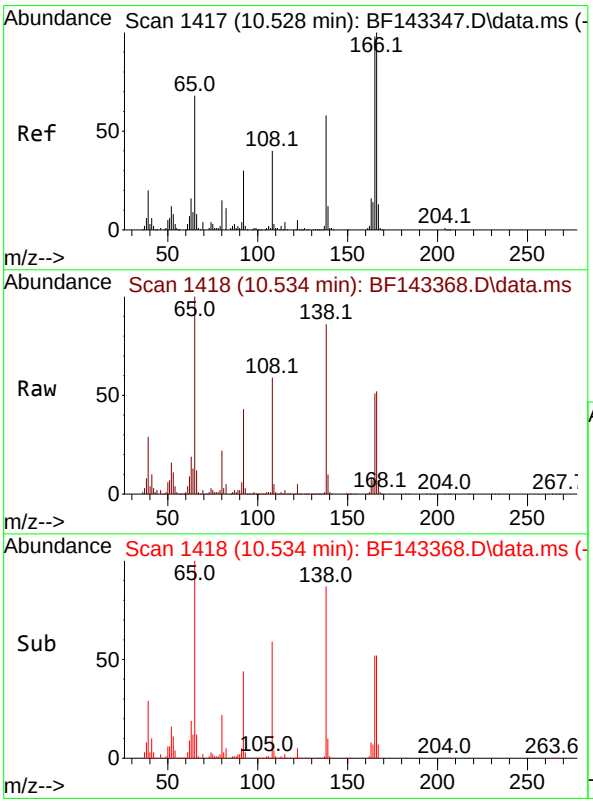
#61
4-Chlorophenyl-phenylether
Concen: 47.882 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:204 Resp: 544980

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	58.0	46.9	70.3

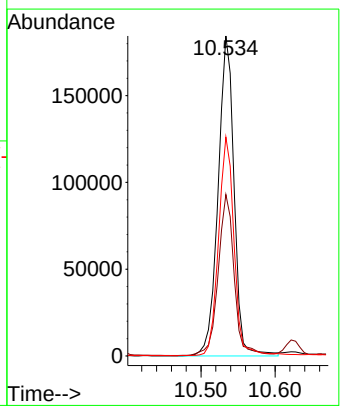


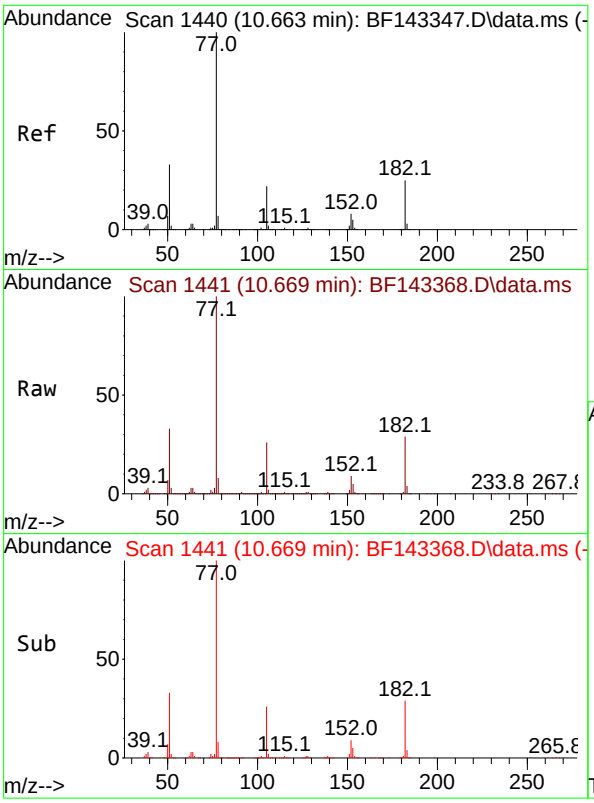


#62
4-Nitroaniline
Concen: 59.587 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:138 Resp: 276498

Ion	Ratio	Lower	Upper
138	100		
92	50.5	31.2	71.2
108	68.4	48.1	88.1



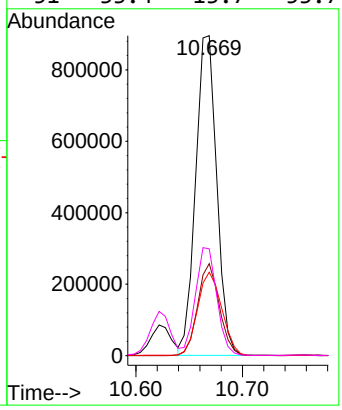


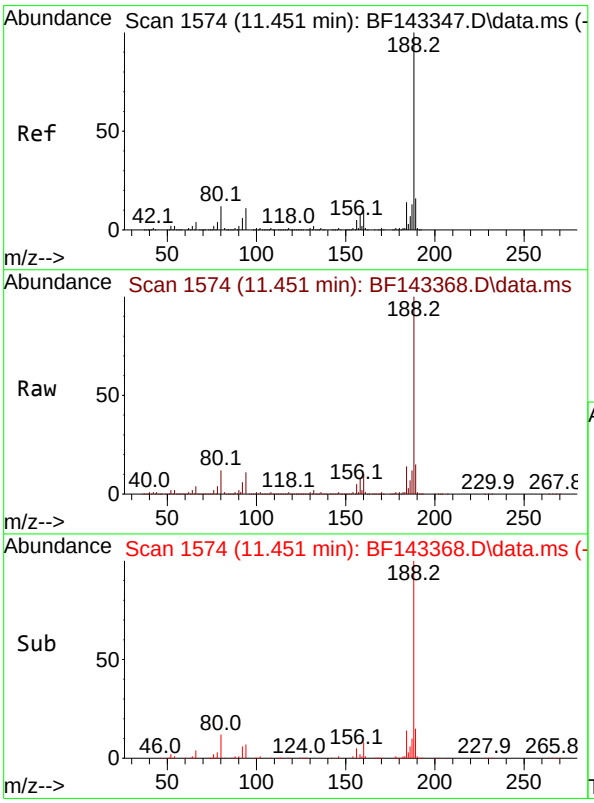
#63
Azobenzene
Concen: 51.569 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion: 77 Resp: 1235605

Ion	Ratio	Lower	Upper
77	100		
182	28.8	4.4	44.4
105	26.1	1.8	41.8
51	33.4	13.7	53.7

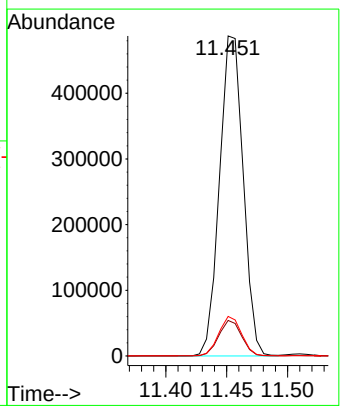


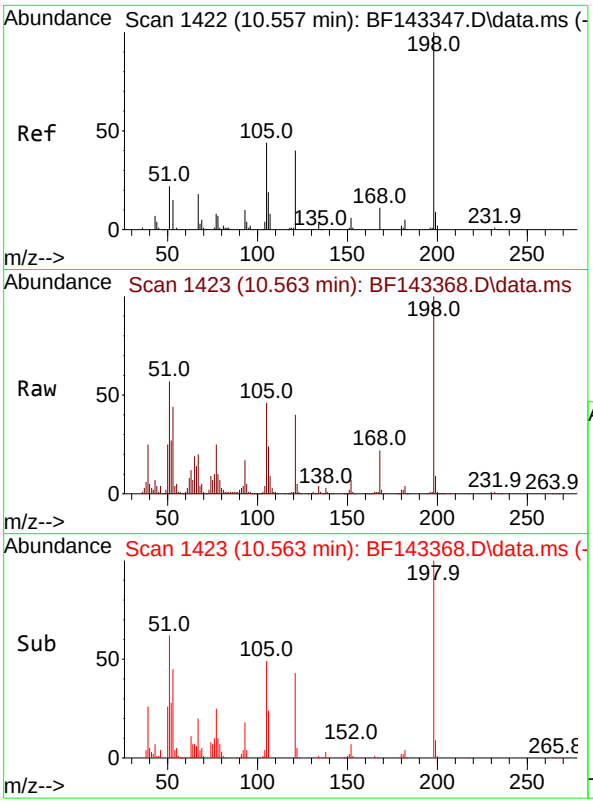


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:188 Resp: 660496

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.8	13.2
80	12.4	9.7	14.5



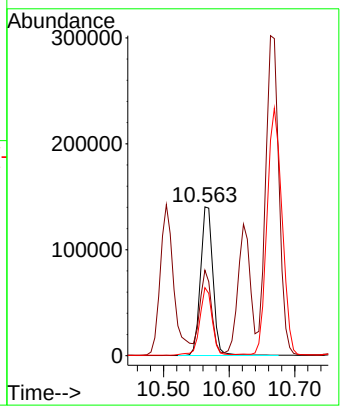


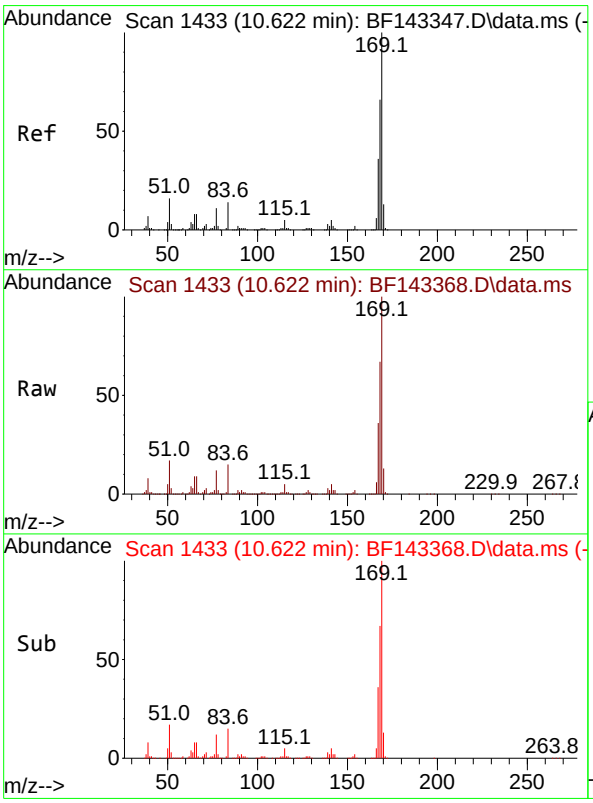
#65
4,6-Dinitro-2-methylphenol
Concen: 66.409 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:198 Resp: 186228

Ion	Ratio	Lower	Upper
198	100		
51	57.4	41.7	81.7
105	45.7	26.8	66.8

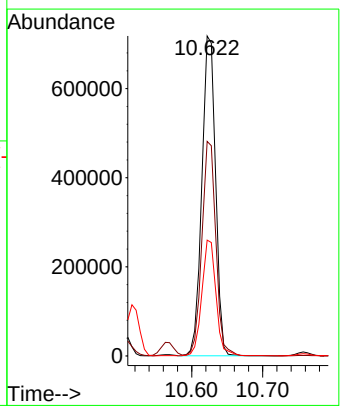


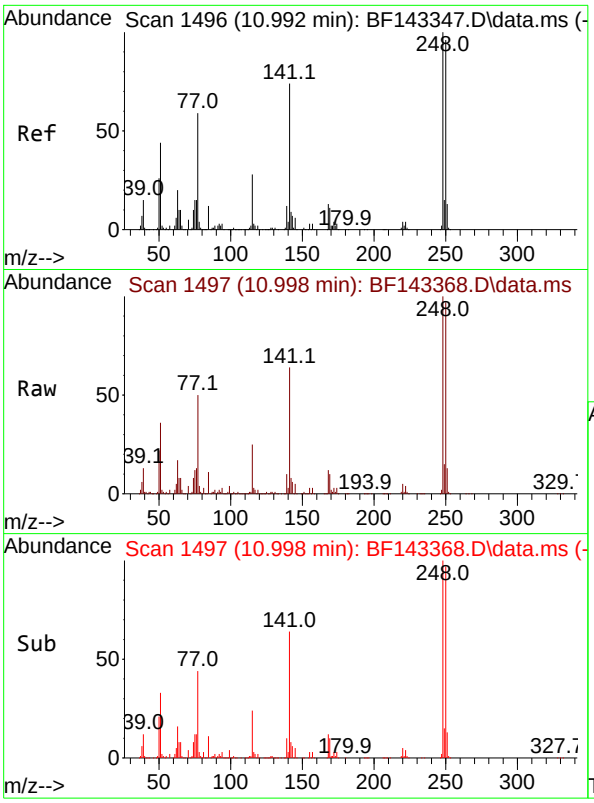


#66
n-Nitrosodiphenylamine
Concen: 44.277 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:169 Resp: 962968

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.7	79.1
167	36.2	28.6	42.8



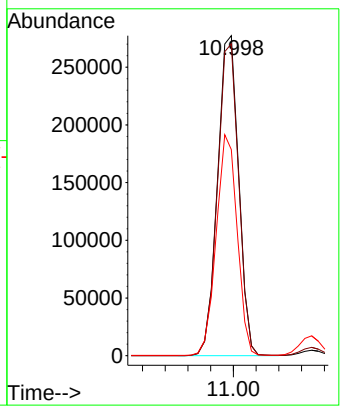


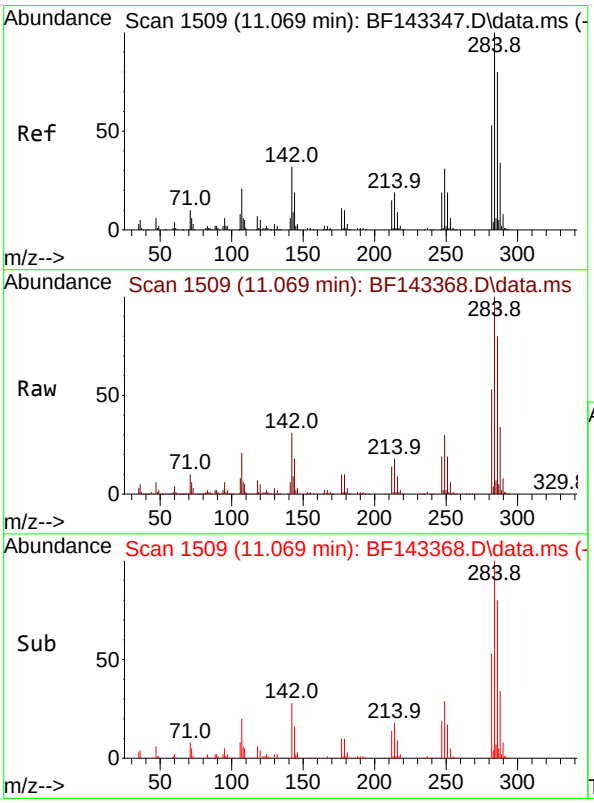
#67
4-Bromophenyl-phenylether
Concen: 47.475 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:248 Resp: 358621

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.1	115.7
141	64.4	59.1	88.7

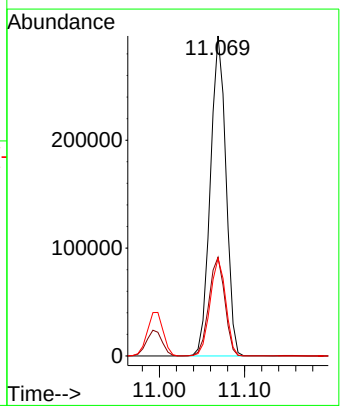


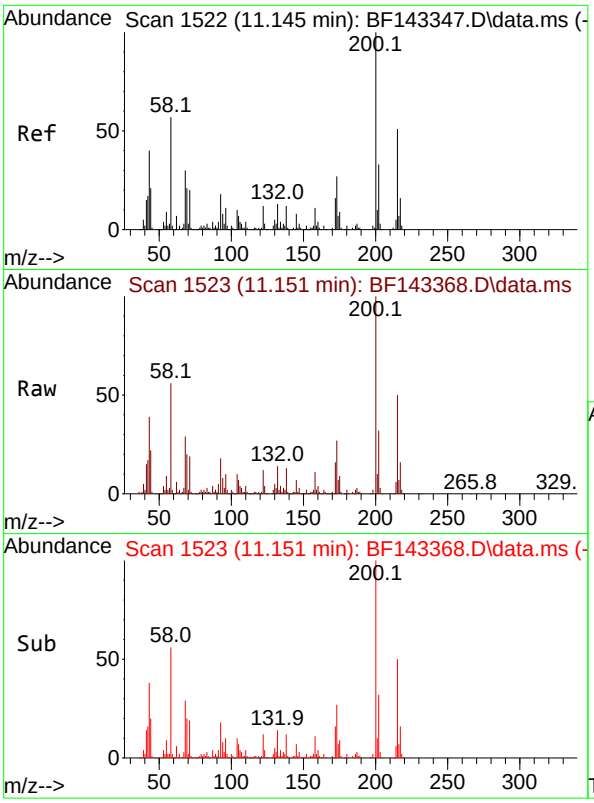


#68
Hexachlorobenzene
Concen: 46.259 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:284 Resp: 376657

Ion	Ratio	Lower	Upper
284	100		
142	30.9	25.7	38.5
249	30.4	24.6	37.0



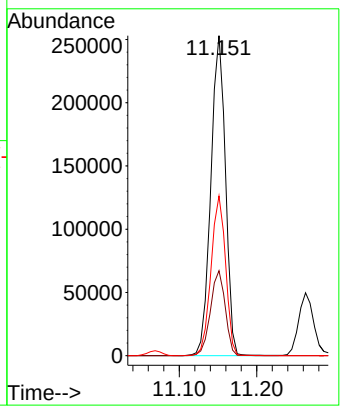


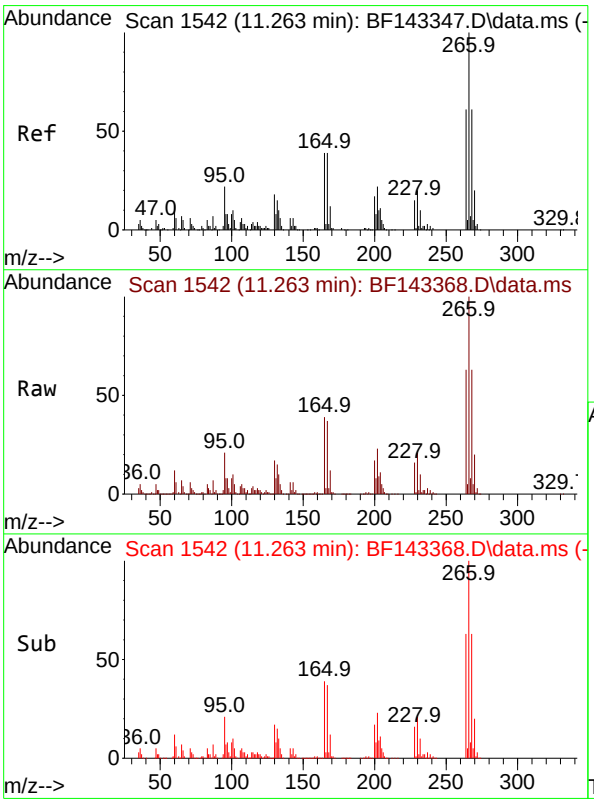
#69
Atrazine
Concen: 58.471 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:200 Resp: 331678

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	49.9	30.6	70.6

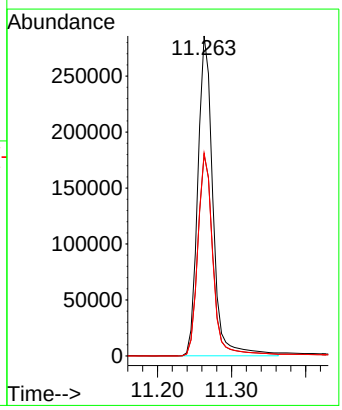


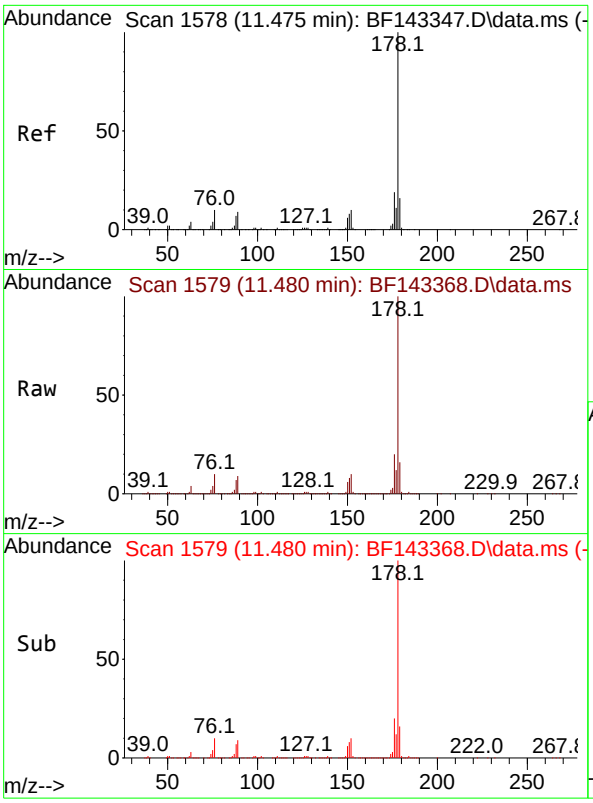


#70
Pentachlorophenol
Concen: 99.770 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:266 Resp: 403940

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.8	73.2
264	63.4	48.8	73.2



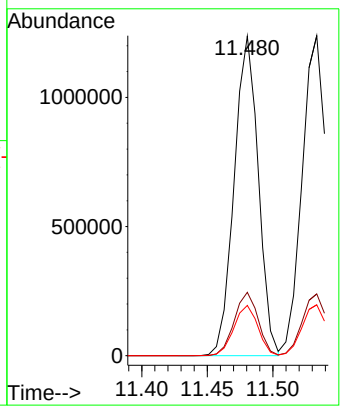


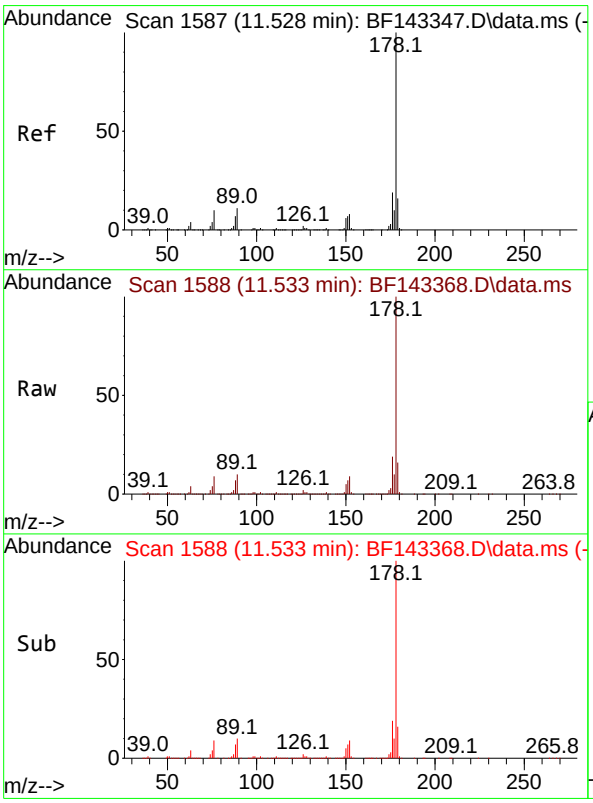
#71
Phenanthrene
Concen: 43.924 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:178 Resp: 1582864

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.5	18.7

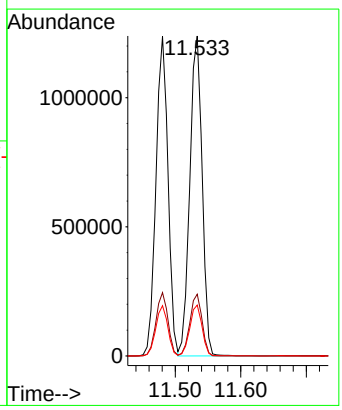


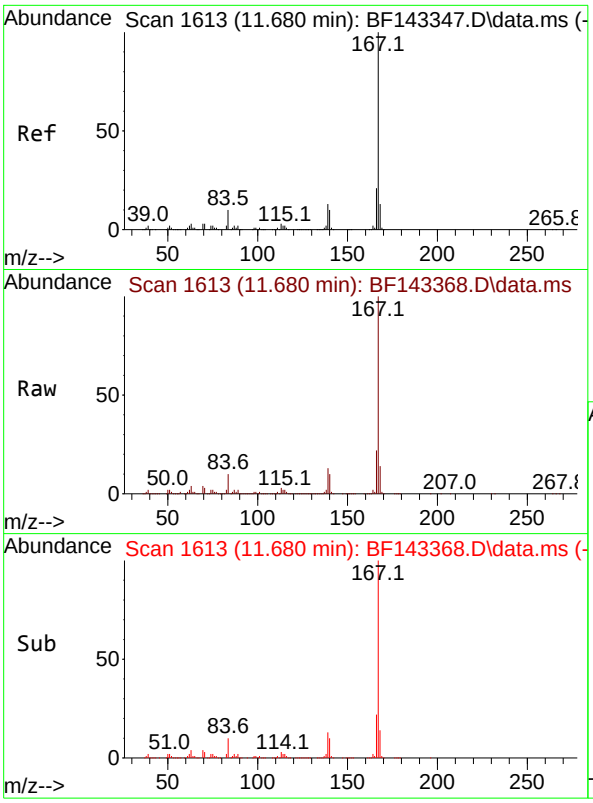


#72
Anthracene
Concen: 44.251 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:178 Resp: 1617222

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.9	12.7	19.1



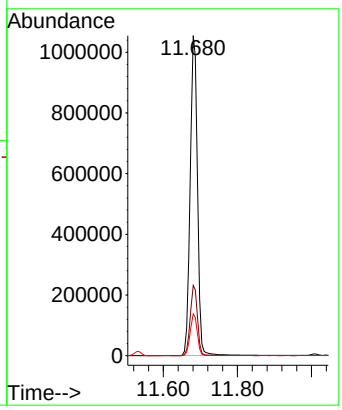


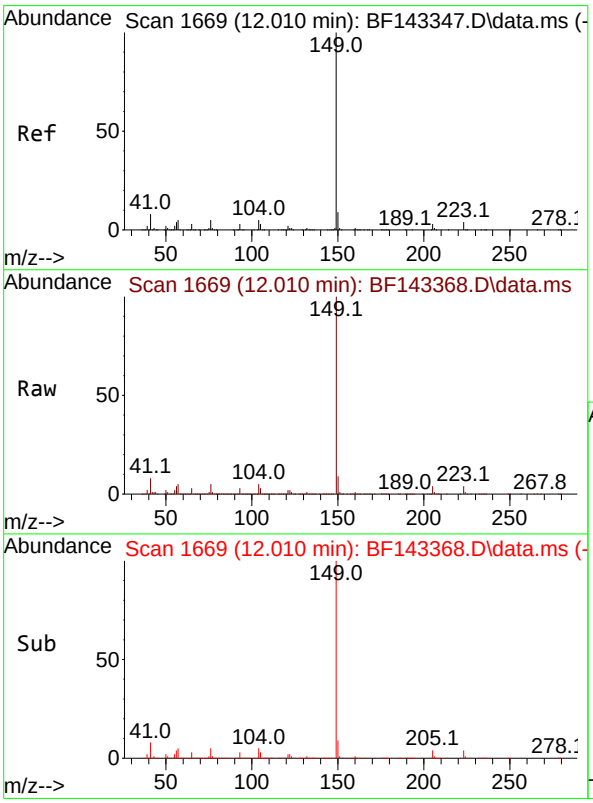
#73
Carbazole
Concen: 46.126 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:167 Resp: 1435658

Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.8	25.2
139	13.0	10.2	15.2

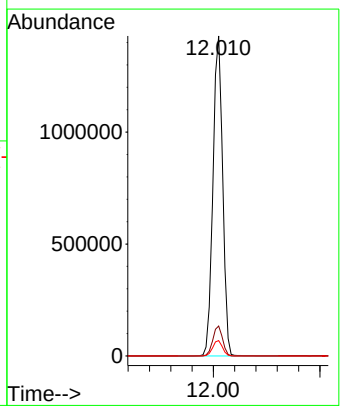


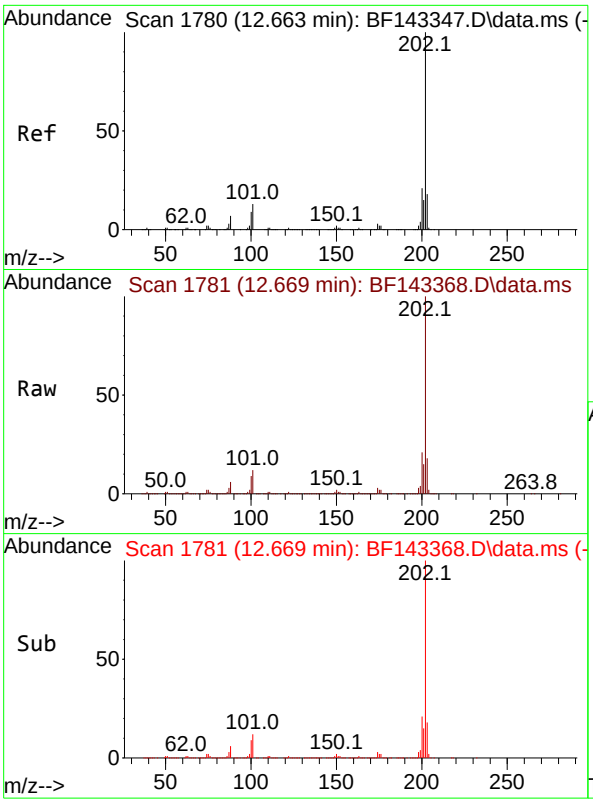


#74
Di-n-butylphthalate
Concen: 68.584 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 1806368

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.8	3.8	5.8



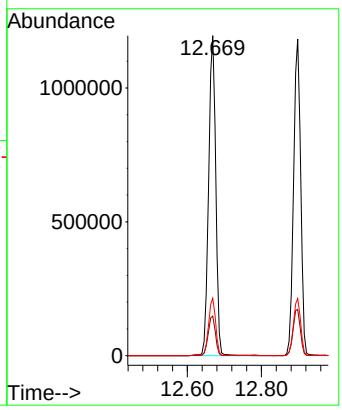


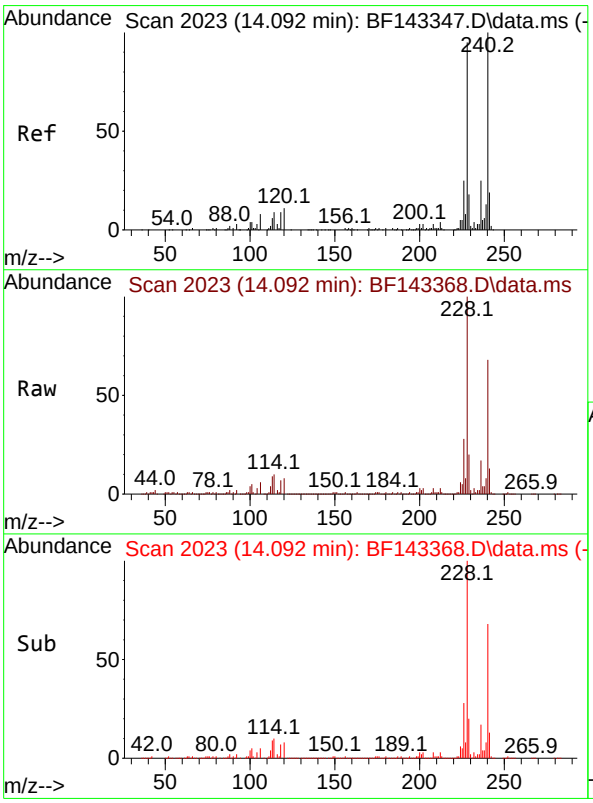
#75
Fluoranthene
Concen: 50.705 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:202 Resp: 1600581

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.9	0.0	37.6

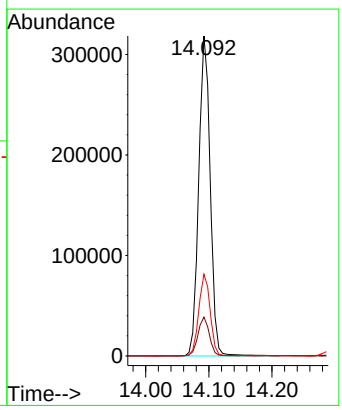


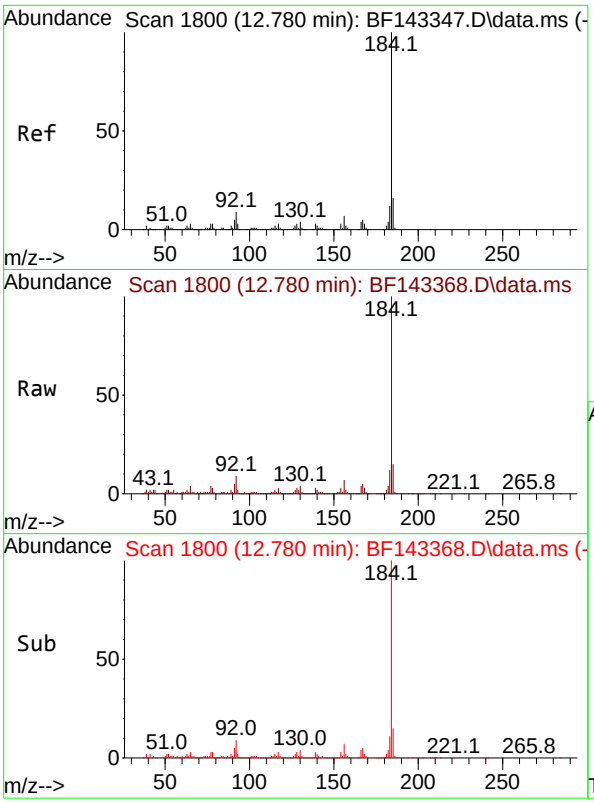


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:240 Resp: 401162

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.6
236	25.6	19.9	29.9



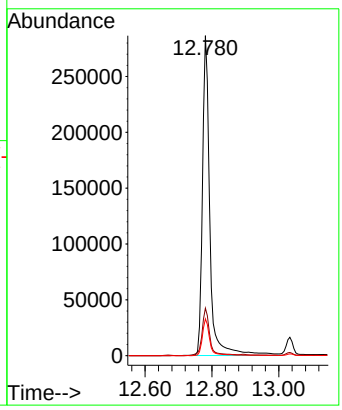


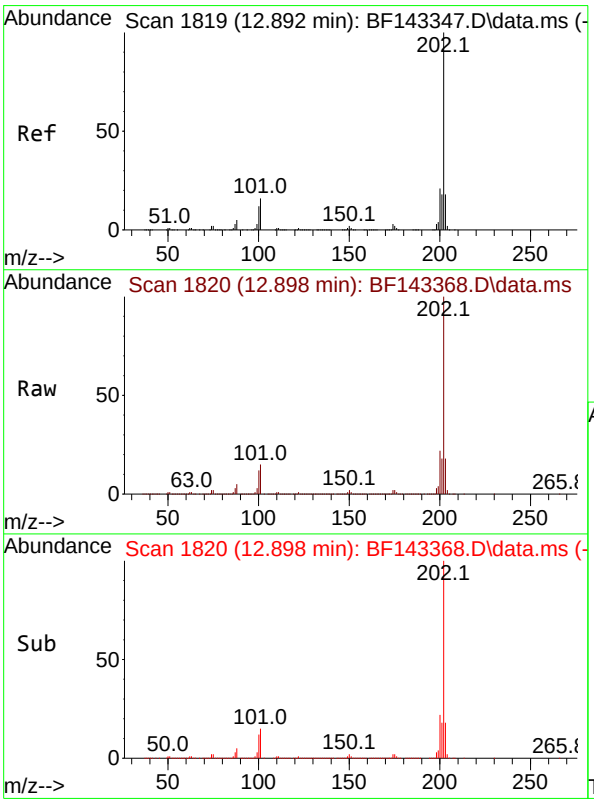
#77
Benzidine
Concen: 40.413 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:184 Resp: 443223

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.8	19.2
183	11.5	9.3	13.9

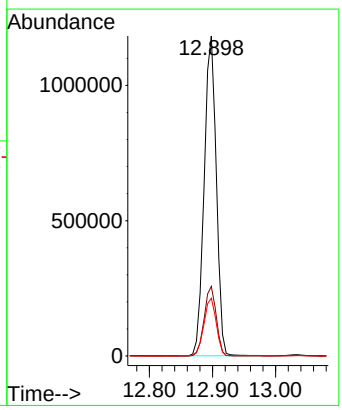


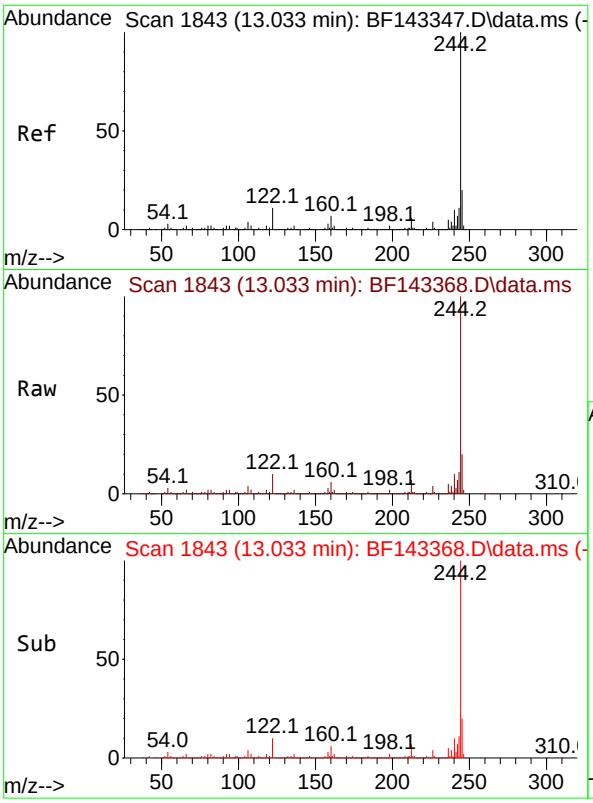


#78
Pyrene
Concen: 46.752 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:202 Resp: 1573380

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.1	14.2	21.4



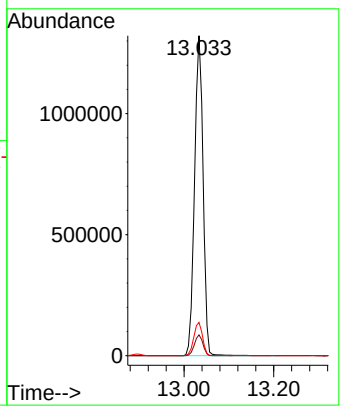


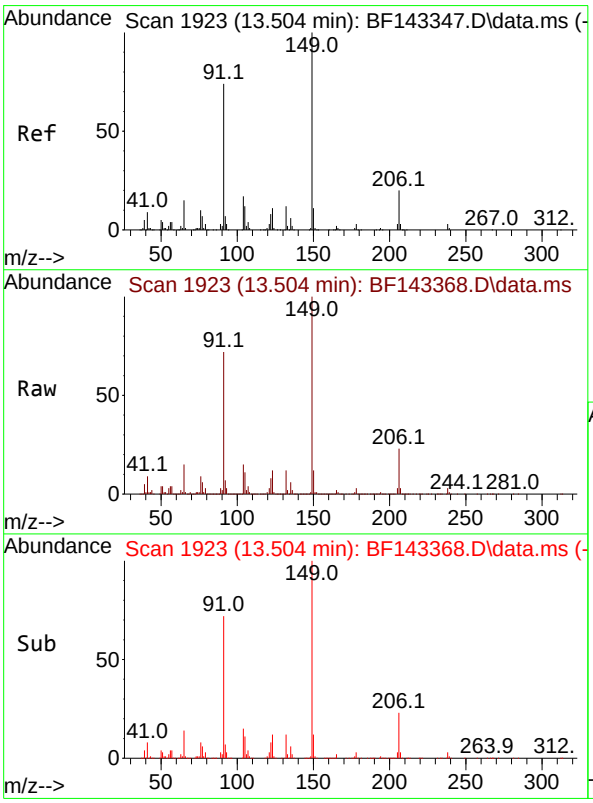
#79
Terphenyl-d14
Concen: 77.549 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:244 Resp: 1742522

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	10.4	8.9	13.3

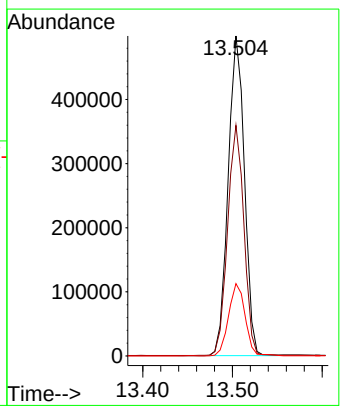


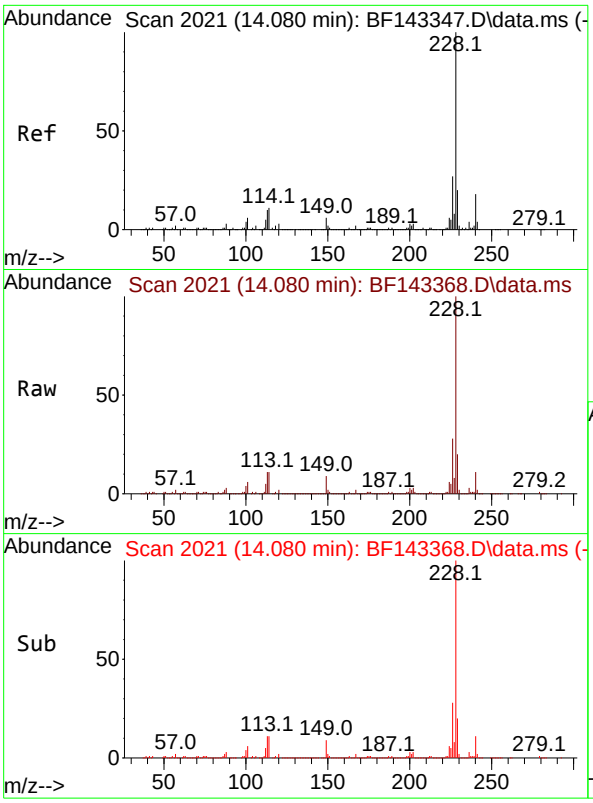


#80
Butylbenzylphthalate
Concen: 91.246 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 628406

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.8	88.2
206	22.6	16.4	24.6



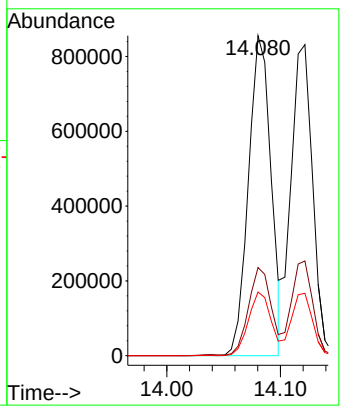


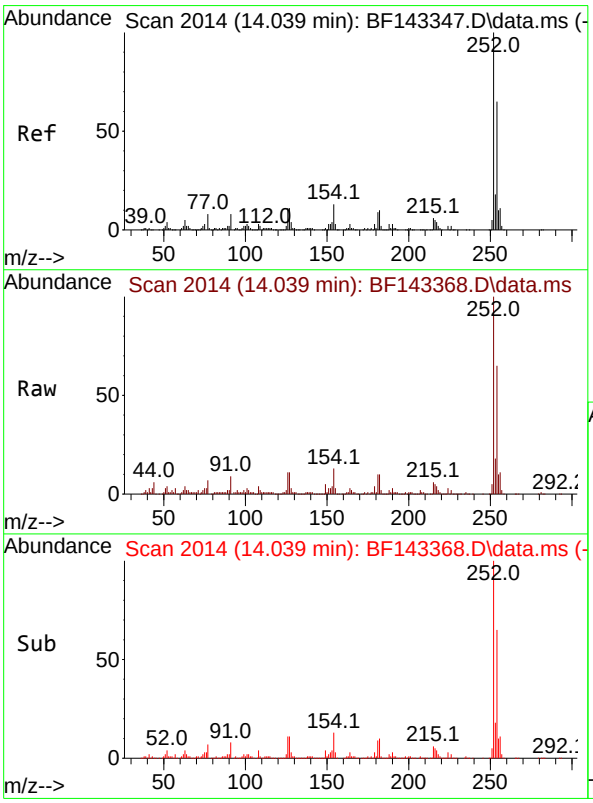
#81
Benzo(a)anthracene
Concen: 46.189 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:228 Resp: 1177706

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	19.9	15.8	23.8

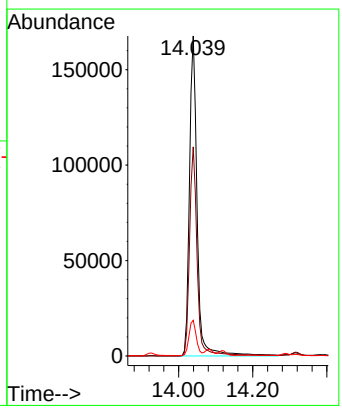


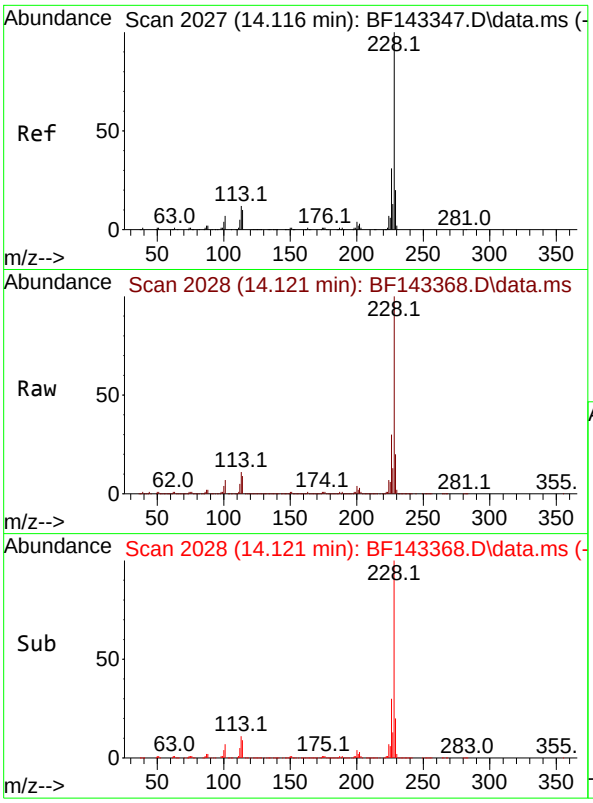


#82
3,3'-Dichlorobenzidine
Concen: 34.980 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 240837

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	11.2	9.2	13.8



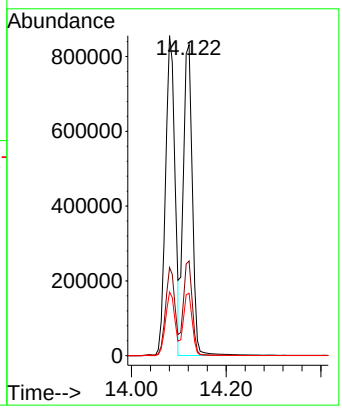


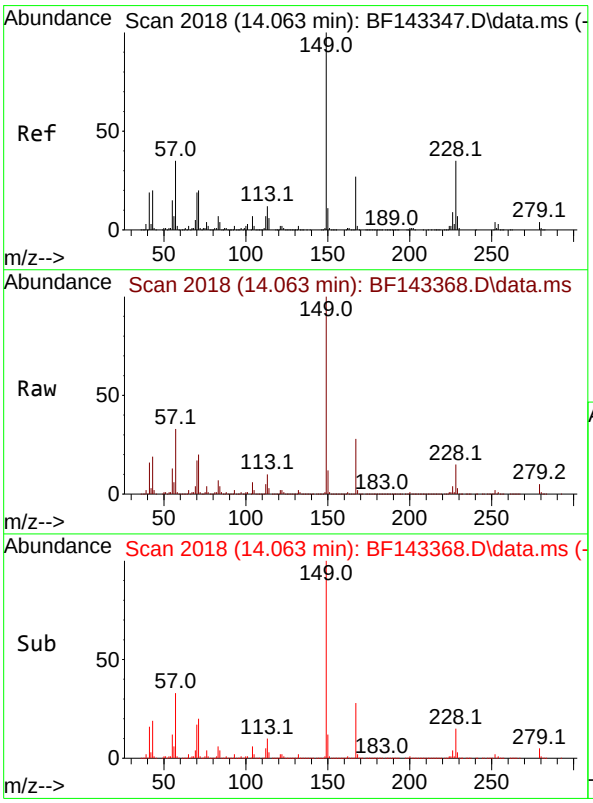
#83
Chrysene
Concen: 46.969 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:228 Resp: 1116683

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.8	23.6

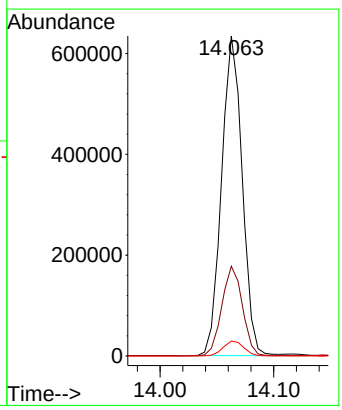


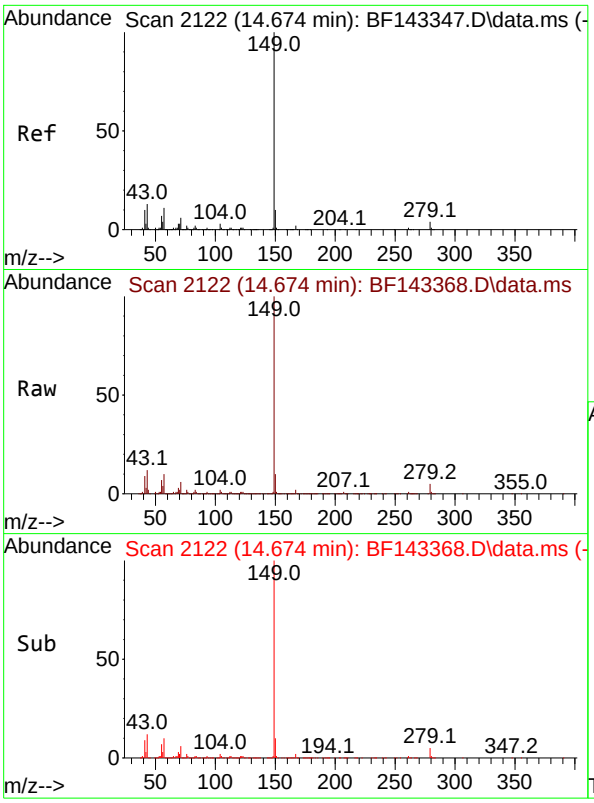


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.088 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:149 Resp: 801196

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.7	3.2	4.8



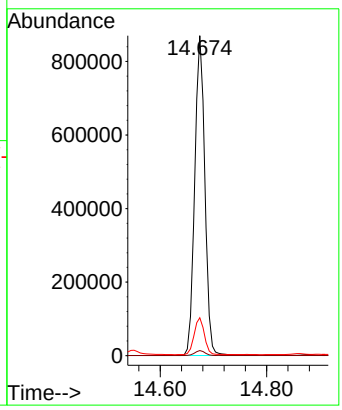


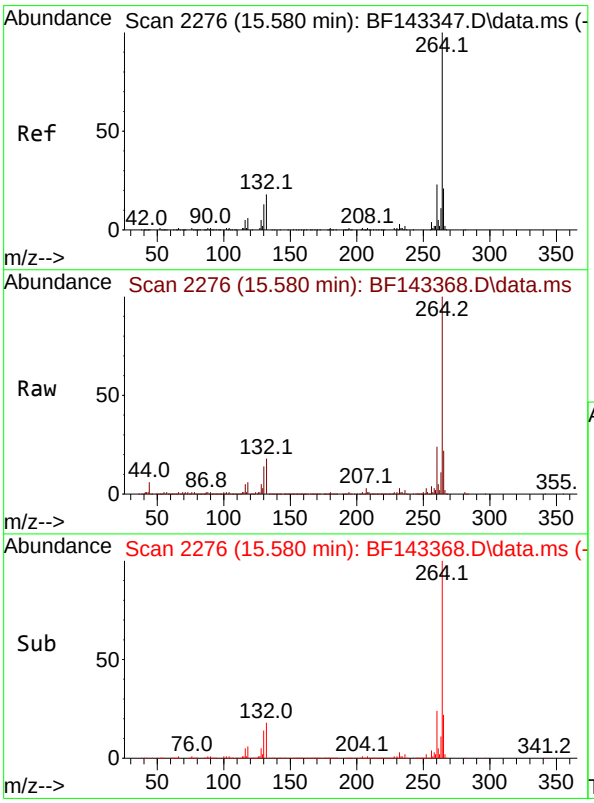
#85
Di-n-octyl phthalate
Concen: 57.708 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:149 Resp: 1151053

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	10.8	16.2

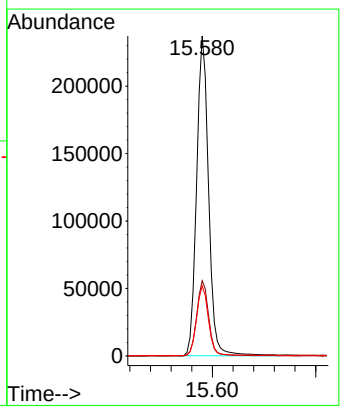


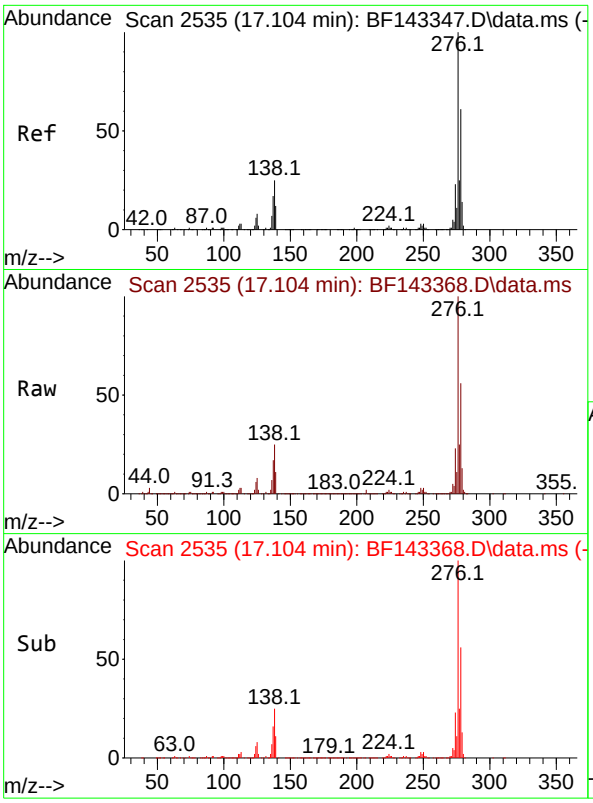


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:264 Resp: 380758

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.9	17.2	25.8



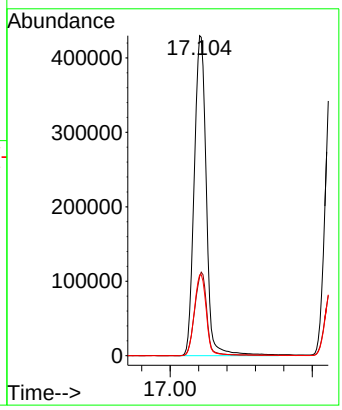


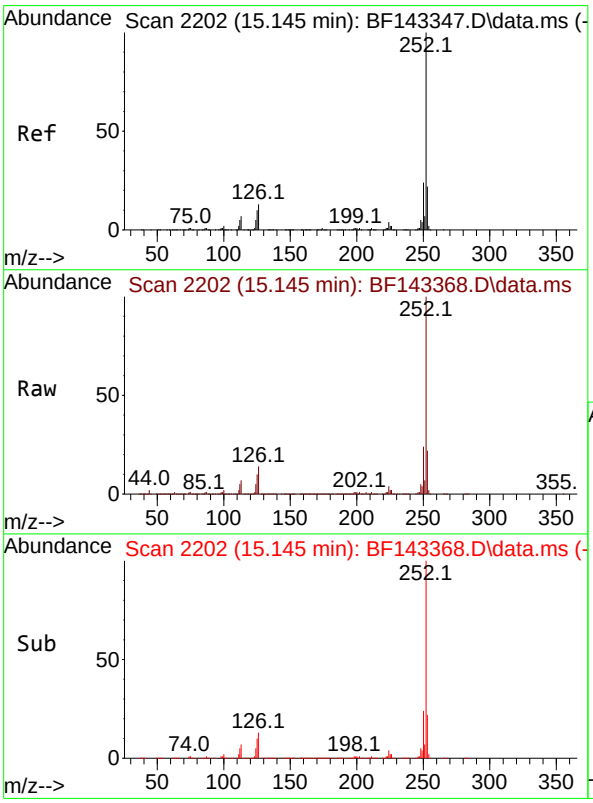
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.571 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:276 Resp: 1270391

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.3	20.2	30.2

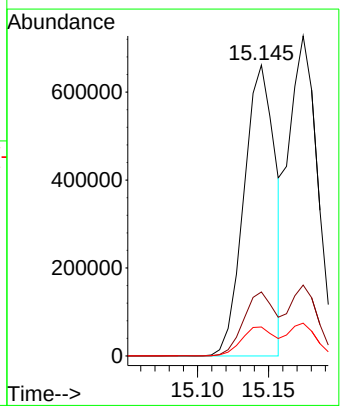


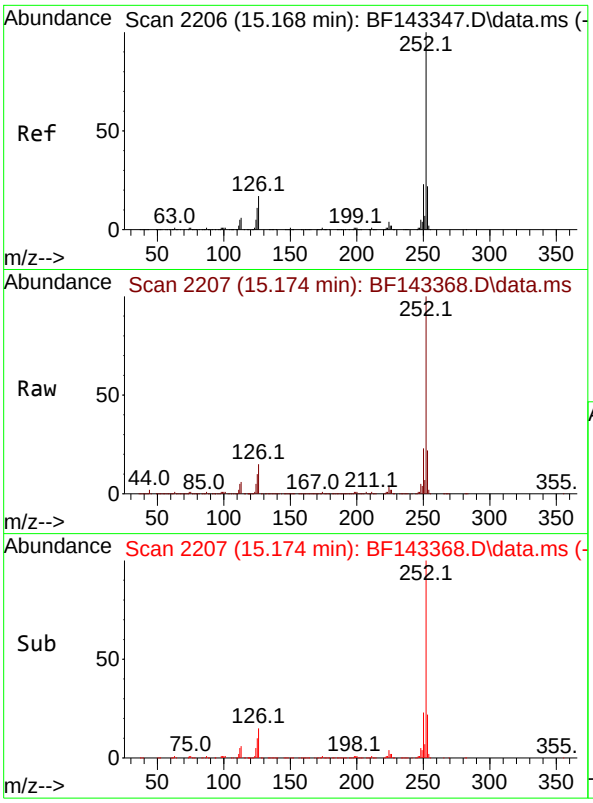


#88
Benzo(b)fluoranthene
Concen: 48.563 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 1011358

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.0	7.8	11.6



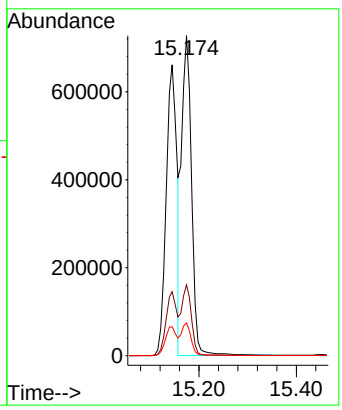


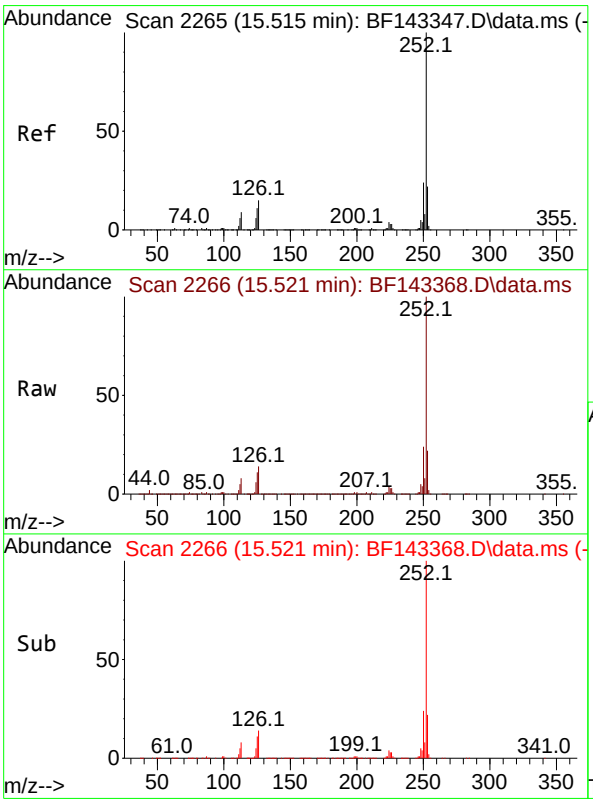
#89
Benzo(k)fluoranthene
Concen: 51.160 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:252 Resp: 1035288

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.4	12.6

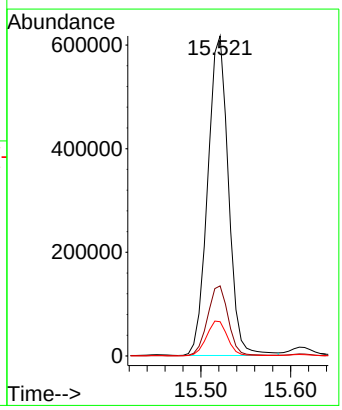


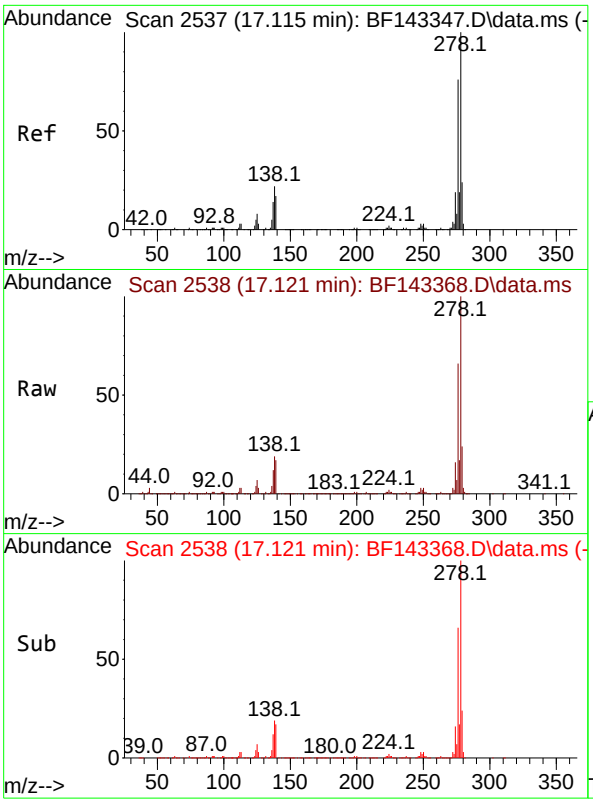


#90
Benzo(a)pyrene
Concen: 50.356 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:252 Resp: 987713

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.7	9.1	13.7



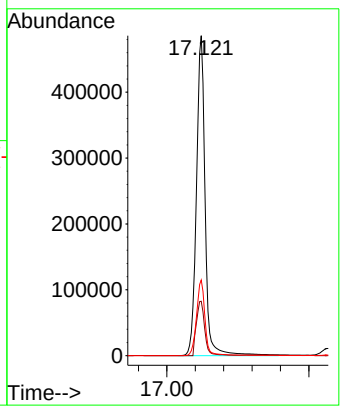


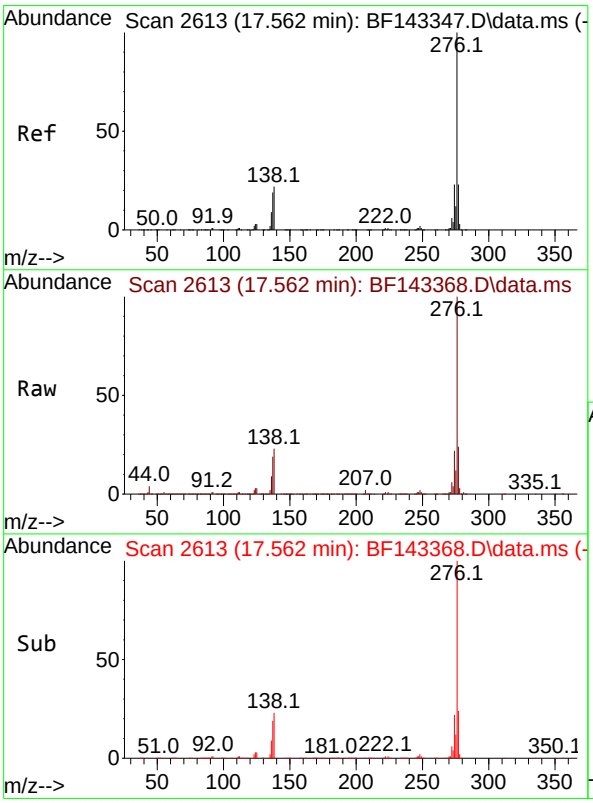
#91
Dibenzo(a,h)anthracene
Concen: 47.665 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Instrument :
BNA_F
ClientSampleId :
BIN0009-DRIVEWAY-TP-WESTSIDEMSD

Tgt Ion:278 Resp: 1038764

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.7	19.4	29.0

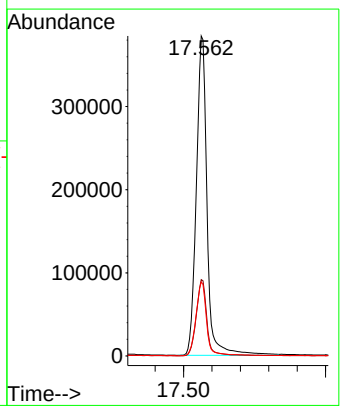




#92
Benzo(g,h,i)perylene
Concen: 45.924 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143368.D
Acq: 13 Aug 2025 11:42

Tgt Ion:276 Resp: 1008201

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	23.1	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	142183	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	532547	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	280155	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	414161	20.000	ng		0.00
76) Chrysene-d12	14.092	240	311692	20.000	ng		0.00
86) Perylene-d12	15.580	264	380743	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	557941	67.858	ng		0.00
7) Phenol-d6	6.563	99	668602	63.411	ng		0.00
23) Nitrobenzene-d5	7.487	82	609217	71.239	ng		0.00
42) 2,4,6-Tribromophenol	10.751	330	153302	74.875	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	1137493	68.852	ng		0.00
79) Terphenyl-d14	13.033	244	1060142	60.724	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.722	88	135272	31.794	ng		98
3) Pyridine	3.510	79	364965	32.190	ng		98
4) n-Nitrosodimethylamine	3.440	42	166866	31.595	ng		97
6) Aniline	6.593	93	466271	31.368	ng		98
8) 2-Chlorophenol	6.716	128	301320	34.297	ng		98
9) Benzaldehyde	6.481	77	220790	31.682	ng		99
10) Phenol	6.575	94	396137	31.714	ng		99
11) bis(2-Chloroethyl)ether	6.657	93	305052	33.137	ng		99
12) 1,3-Dichlorobenzene	6.875	146	336714	33.227	ng		99
13) 1,4-Dichlorobenzene	6.945	146	336314	33.067	ng		99
14) 1,2-Dichlorobenzene	7.098	146	321082	33.257	ng		99
15) Benzyl Alcohol	7.069	79	250963	33.205	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	552137	33.595	ng		98
17) 2-Methylphenol	7.181	107	237620	32.041	ng		99
18) Hexachloroethane	7.445	117	117308	36.789	ng		97
19) n-Nitroso-di-n-propyla...	7.334	70	209936	32.223	ng		98
20) 3+4-Methylphenols	7.334	107	291824	32.537	ng		96
22) Acetophenone	7.334	105	383657	32.697	ng	#	97
24) Nitrobenzene	7.504	77	323310	34.811	ng		99
25) Isophorone	7.745	82	571933	32.761	ng		99
26) 2-Nitrophenol	7.822	139	146992	40.139	ng		99
27) 2,4-Dimethylphenol	7.863	122	234817	32.240	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	359282	33.707	ng		99
29) 2,4-Dichlorophenol	8.069	162	248689	34.959	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	256446	34.175	ng		99
31) Naphthalene	8.234	128	849869	33.165	ng		100
32) Benzoic acid	7.945	122	21095	11.262	ng		97
33) 4-Chloroaniline	8.275	127	302922	32.774	ng		100
34) Hexachlorobutadiene	8.351	225	166399	35.647	ng		99
35) Caprolactam	8.628	113	66390	33.198	ng		94
36) 4-Chloro-3-methylphenol	8.757	107	244639	32.804	ng		98
37) 2-Methylnaphthalene	8.922	142	566761	33.642	ng		99
38) 1-Methylnaphthalene	9.022	142	539612	33.258	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	268069	34.967	ng		100
41) Hexachlorocyclopentadiene	9.081	237	96295	39.285	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	152206	34.992	ng		97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	167691	34.139	ng	99
46) 1,1'-Biphenyl	9.386	154	673225	33.987	ng	99
47) 2-Chloronaphthalene	9.410	162	524013	33.589	ng	99
48) 2-Nitroaniline	9.504	65	157073	35.664	ng	98
49) Acenaphthylene	9.828	152	745240	33.079	ng	100
50) Dimethylphthalate	9.675	163	578964	35.368	ng	100
51) 2,6-Dinitrotoluene	9.739	165	114561	37.663	ng	95
52) Acenaphthene	9.998	154	496290	33.135	ng	99
53) 3-Nitroaniline	9.910	138	124269	37.068	ng	98
54) 2,4-Dinitrophenol	10.022	184	26990	31.747	ng	93
55) Dibenzofuran	10.169	168	711150	32.990	ng	99
56) 4-Nitrophenol	10.075	139	75539	31.741	ng	98
57) 2,4-Dinitrotoluene	10.145	165	151897	37.646	ng	90
58) Fluorene	10.510	166	545337	33.121	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	113591	34.306	ng	99
60) Diethylphthalate	10.381	149	542830	37.021	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	276957	34.812	ng	98
62) 4-Nitroaniline	10.522	138	111923	34.507	ng	98
63) Azobenzene	10.663	77	551455	32.926	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	51789	33.493	ng	92
66) n-Nitrosodiphenylamine	10.616	169	463067	33.956	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	168183	35.507	ng	98
68) Hexachlorobenzene	11.063	284	176143	34.499	ng	99
69) Atrazine	11.139	200	145202	40.822	ng	99
70) Pentachlorophenol	11.257	266	105636	45.062	ng	97
71) Phenanthrene	11.475	178	740641	32.777	ng	100
72) Anthracene	11.527	178	759937	33.161	ng	99
73) Carbazole	11.680	167	639211	32.752	ng	100
74) Di-n-butylphthalate	12.004	149	782503	47.381	ng	100
75) Fluoranthene	12.663	202	698921	35.311	ng	99
77) Benzidine	12.780	184	259786	30.486	ng	99
78) Pyrene	12.892	202	716275	27.393	ng	100
80) Butylbenzylphthalate	13.504	149	276153	53.064	ng	95
81) Benzo(a)anthracene	14.080	228	649572	32.789	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	219574	41.046	ng	98
83) Chrysene	14.116	228	606853	32.851	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	398390	52.051	ng	98
85) Di-n-octyl phthalate	14.674	149	705507	46.796	ng	96
87) Indeno(1,2,3-cd)pyrene	17.104	276	881606	32.320	ng	100
88) Benzo(b)fluoranthene	15.139	252	708748	34.034	ng	99
89) Benzo(k)fluoranthene	15.168	252	661612	32.696	ng	100
90) Benzo(a)pyrene	15.515	252	646299	32.951	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	713480	32.740	ng	98
92) Benzo(g,h,i)perylene	17.557	276	680499	30.998	ng	99

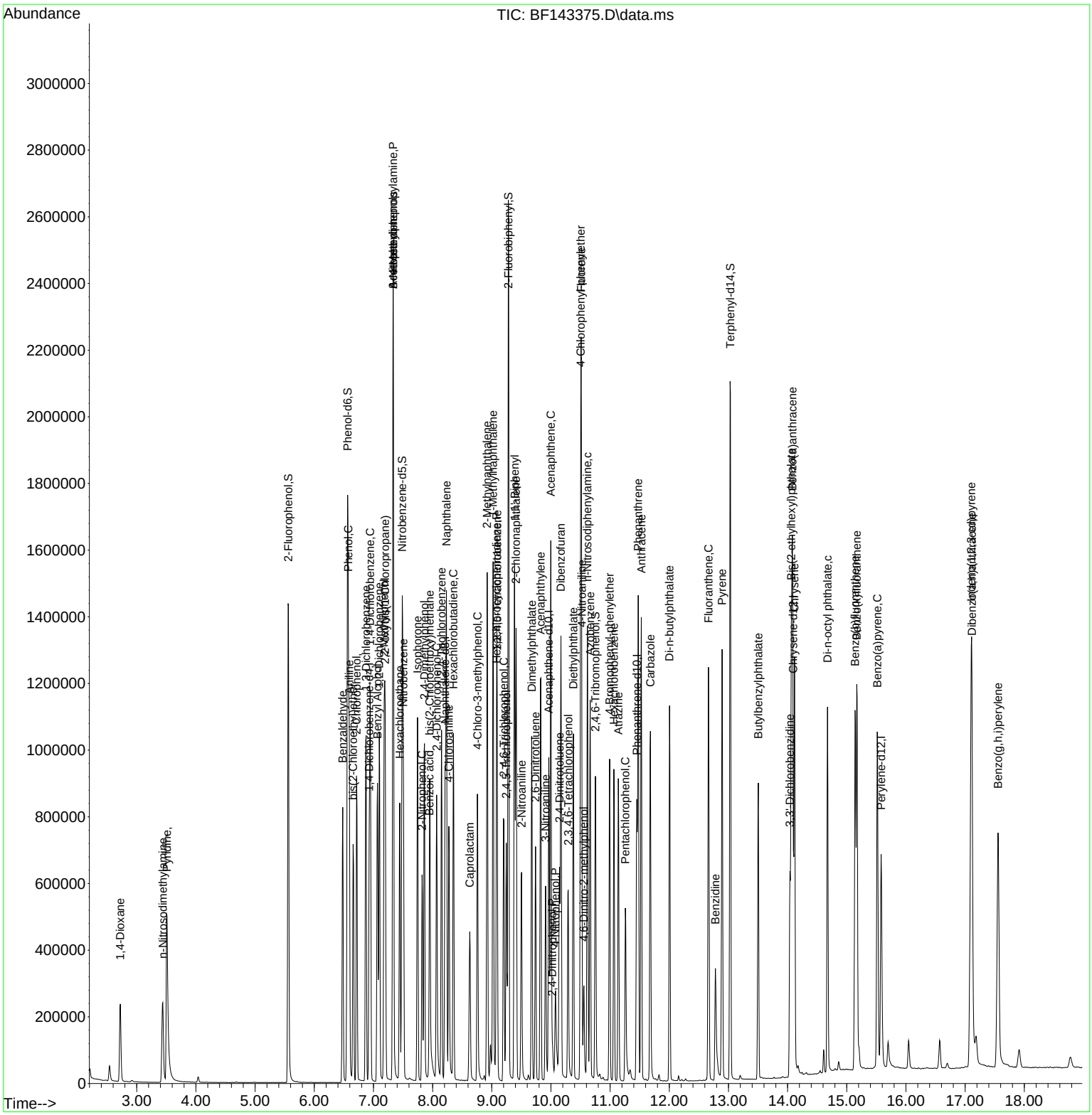
(#) = qualifier out of range (m) = manual integration (+) = signals summed

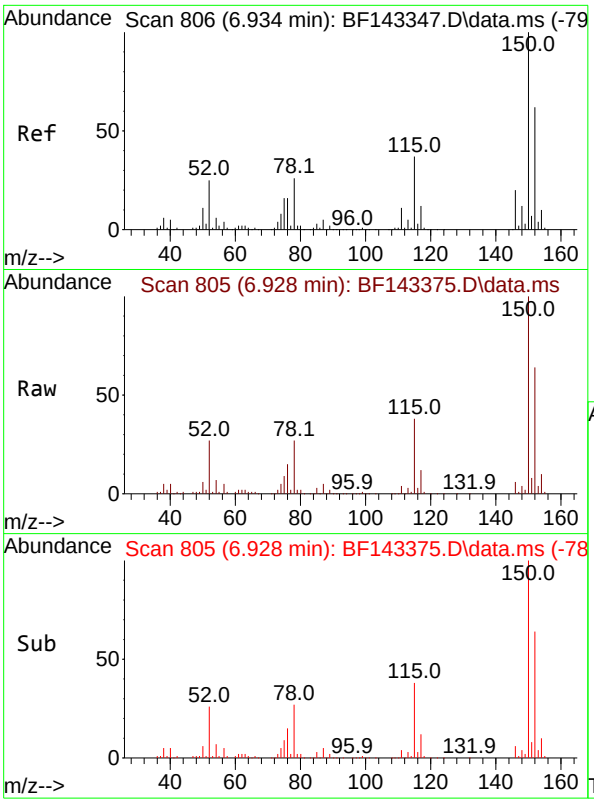
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081325\
Data File : BF143375.D
Acq On : 13 Aug 2025 15:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



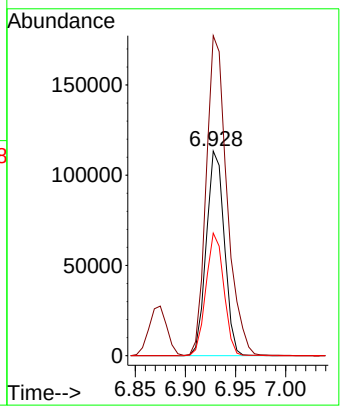


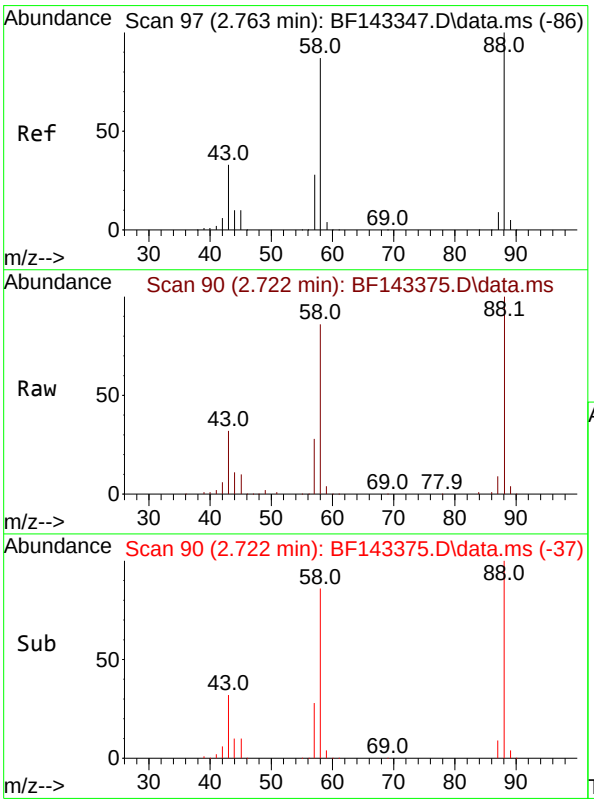
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 142183

Ion	Ratio	Lower	Upper
152	100		
150	156.4	129.8	194.8
115	59.9	47.8	71.8

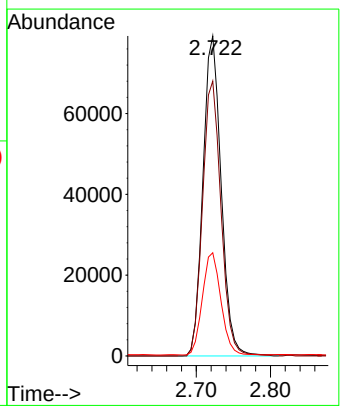


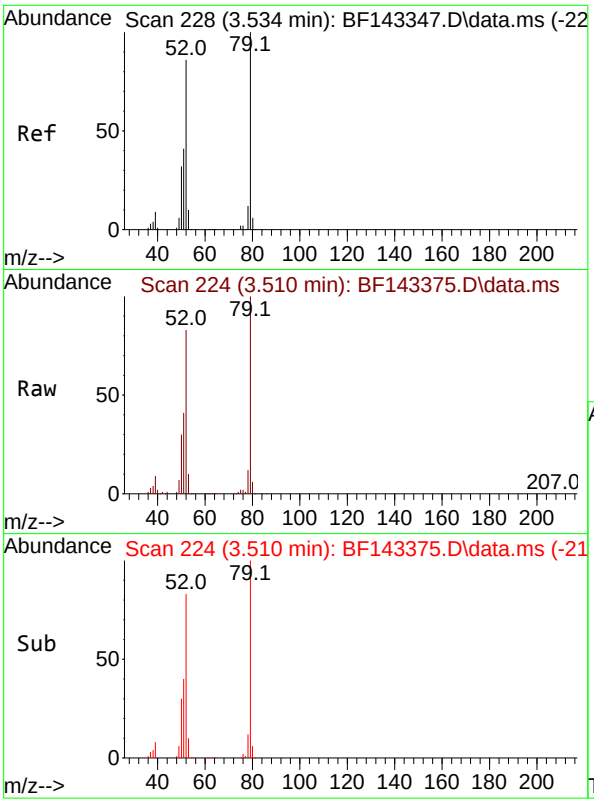


#2
1,4-Dioxane
Concen: 31.794 ng
RT: 2.722 min Scan# 90
Delta R.T. -0.041 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 88 Resp: 135272

Ion	Ratio	Lower	Upper
88	100		
58	86.8	71.0	106.6
43	32.4	27.0	40.6



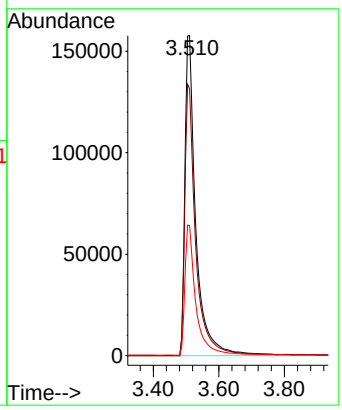


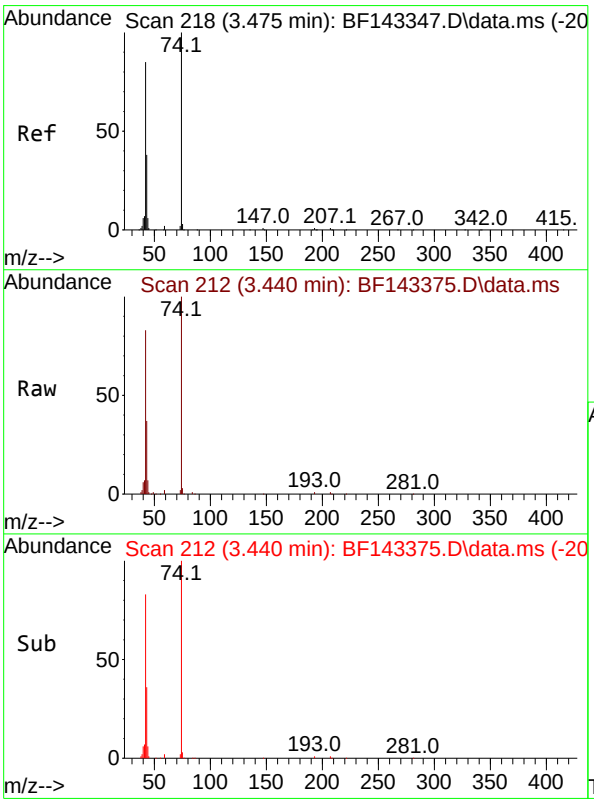
#3
Pyridine
Concen: 32.190 ng
RT: 3.510 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 364965

Ion	Ratio	Lower	Upper
79	100		
52	83.4	68.7	103.1
51	40.7	33.4	50.0

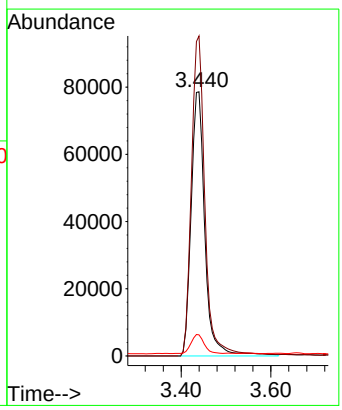


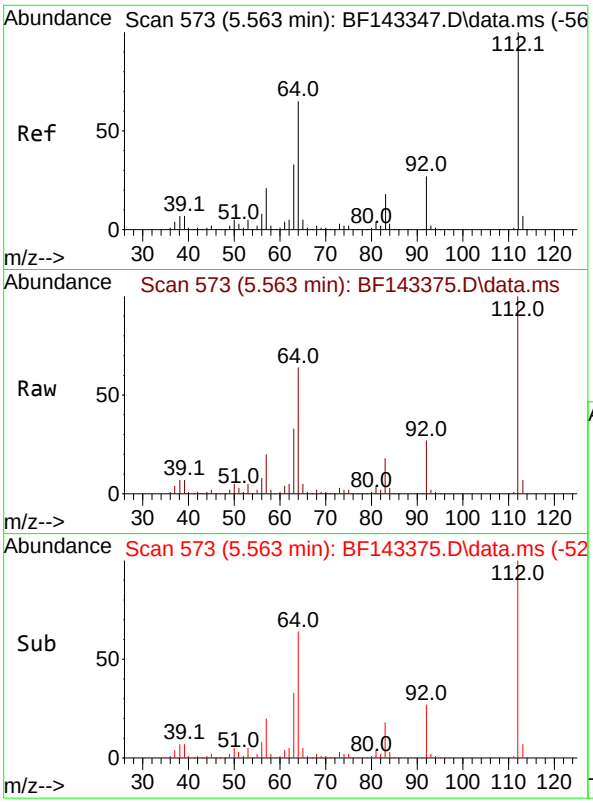


#4
n-Nitrosodimethylamine
Concen: 31.595 ng
RT: 3.440 min Scan# 212
Delta R.T. -0.035 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 42 Resp: 166866

Ion	Ratio	Lower	Upper
42	100		
74	121.1	94.1	141.1
44	8.0	6.5	9.7



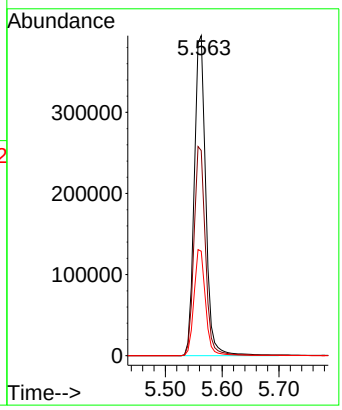


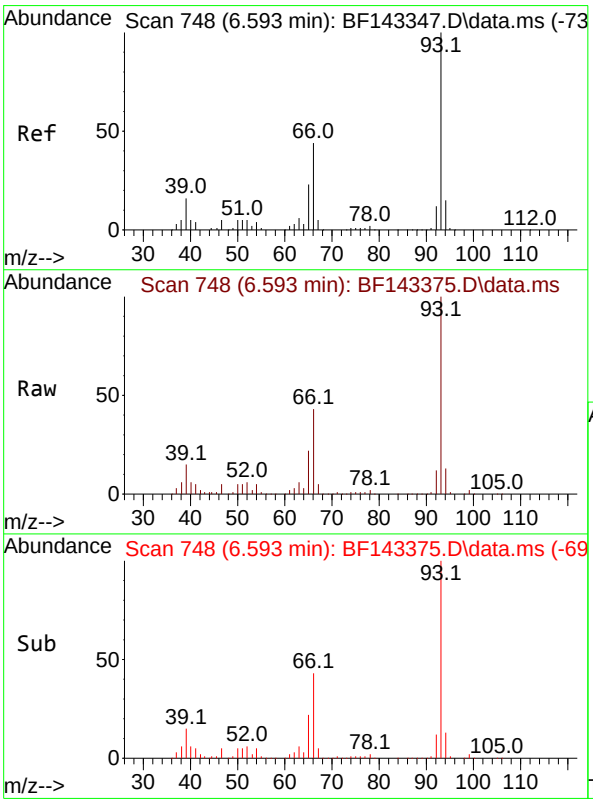
#5
2-Fluorophenol
Concen: 67.858 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 557941

Ion	Ratio	Lower	Upper
112	100		
64	64.1	52.1	78.1
63	32.7	26.6	39.8

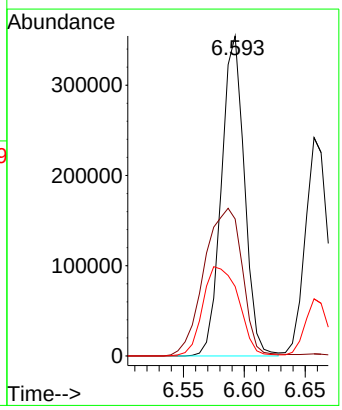


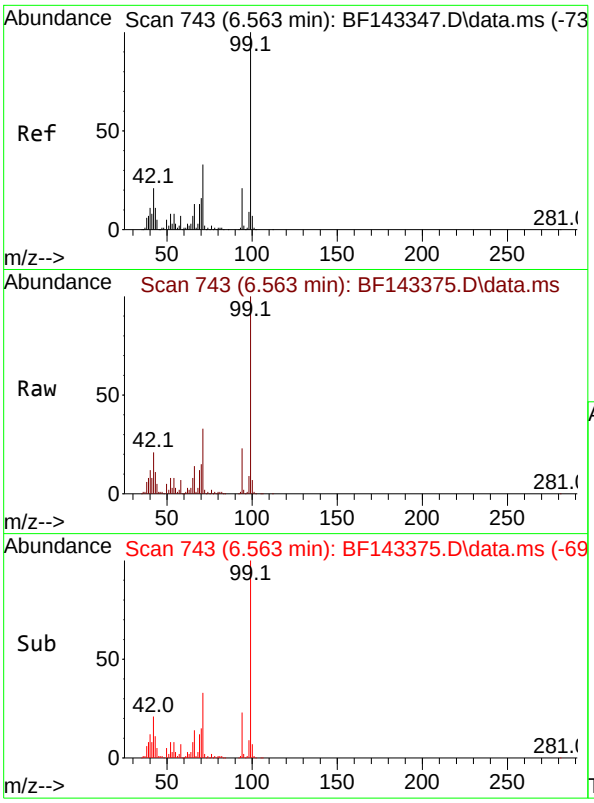


#6
Aniline
Concen: 31.368 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 93 Resp: 466271

Ion	Ratio	Lower	Upper
93	100		
66	42.8	35.3	52.9
65	21.7	18.2	27.4



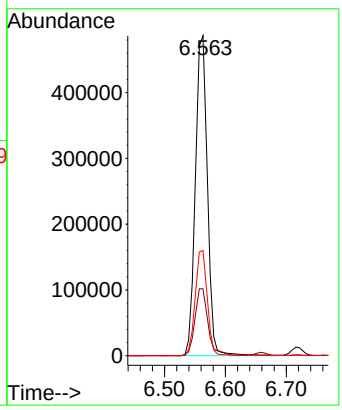


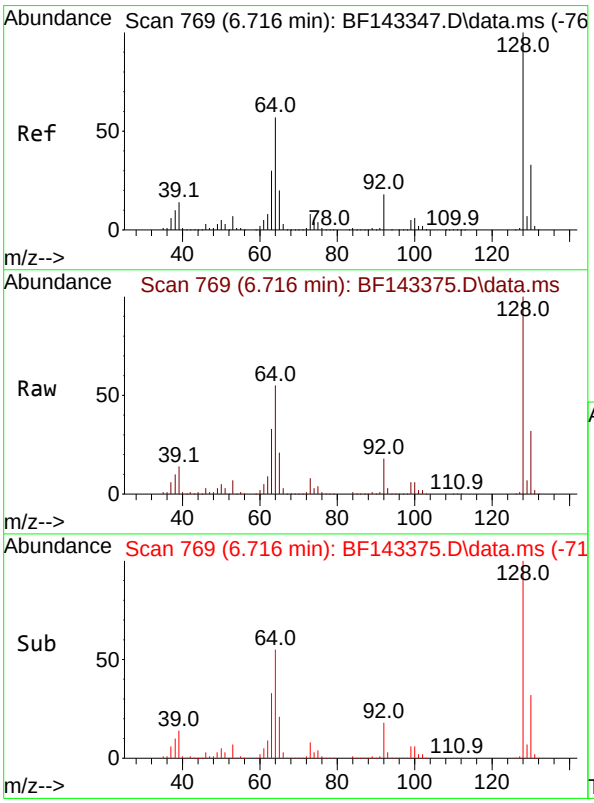
#7
Phenol-d6
Concen: 63.411 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 668602

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	32.9	26.2	39.2

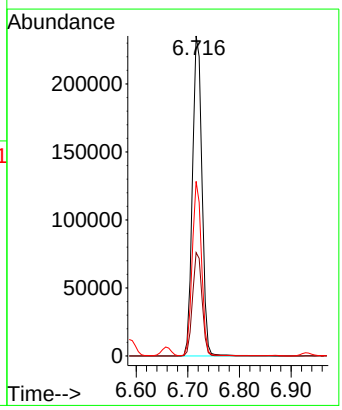


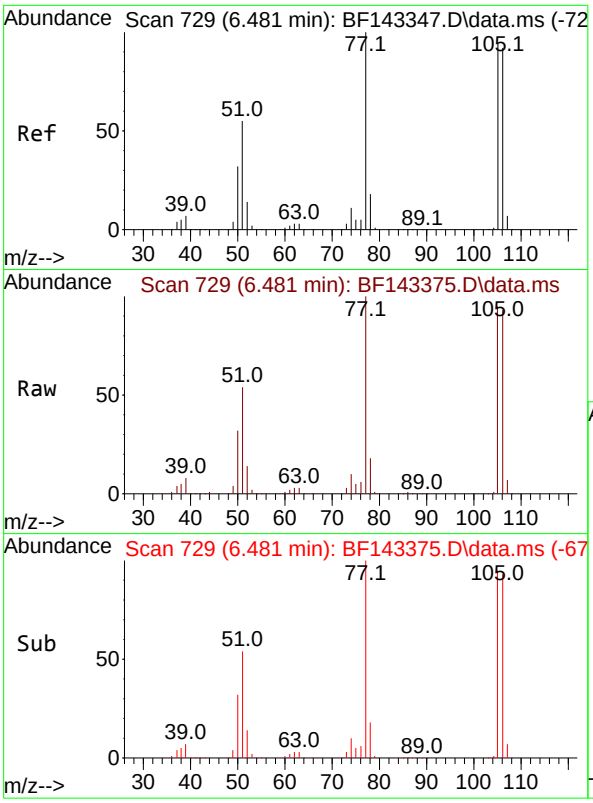


#8
2-Chlorophenol
Concen: 34.297 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:128 Resp: 301320

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	54.6	36.7	76.7



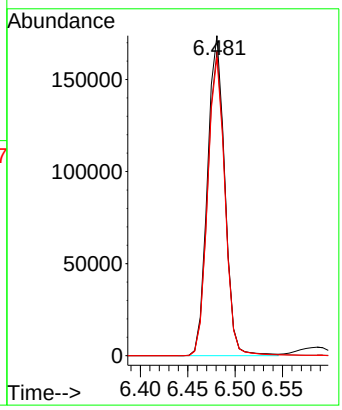


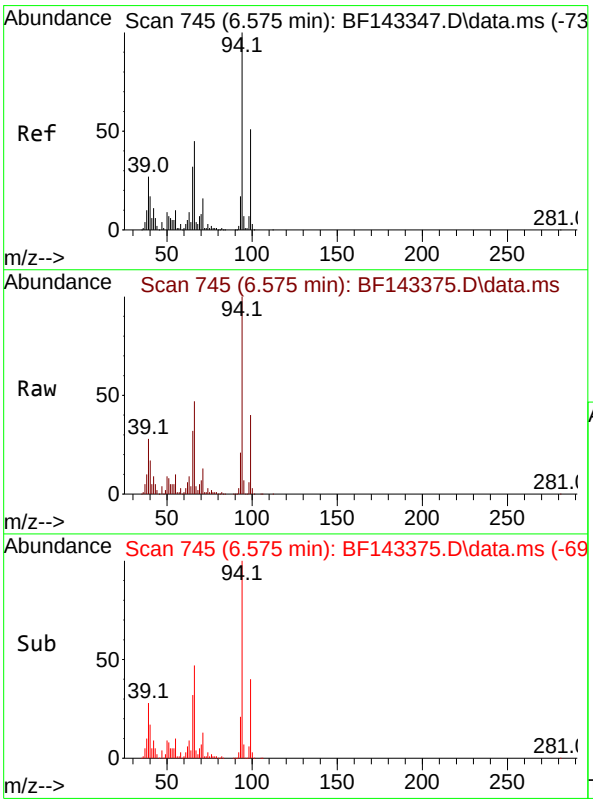
#9
Benzaldehyde
Concen: 31.682 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 220790

Ion	Ratio	Lower	Upper
77	100		
105	95.0	74.2	114.2
106	93.2	72.2	112.2

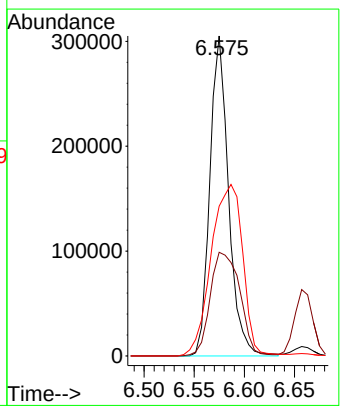


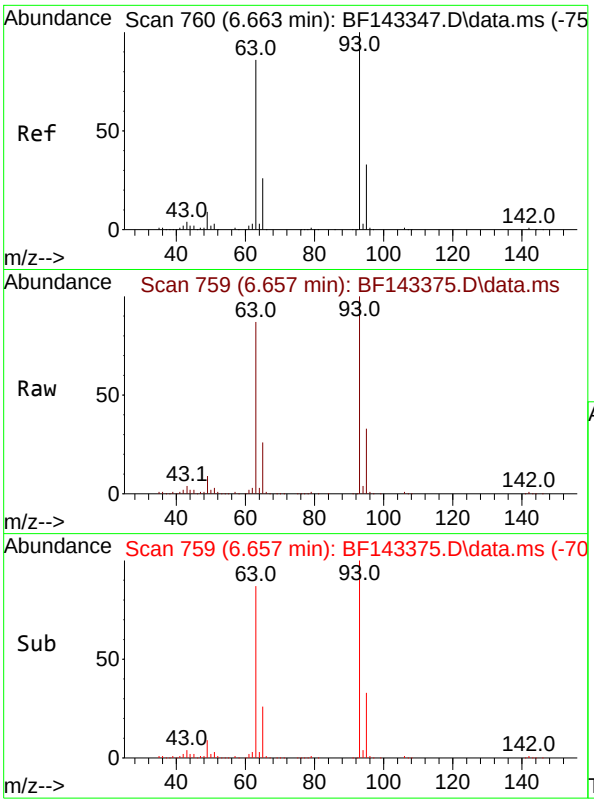


#10
Phenol
Concen: 31.714 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 94 Resp: 396137

Ion	Ratio	Lower	Upper
94	100		
65	32.4	12.0	52.0
66	46.8	25.6	65.6



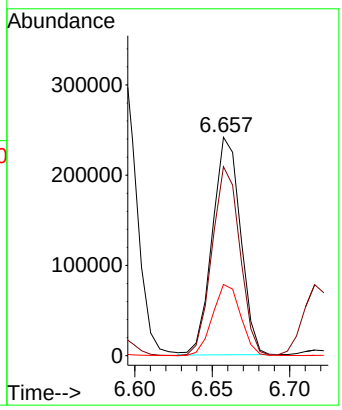


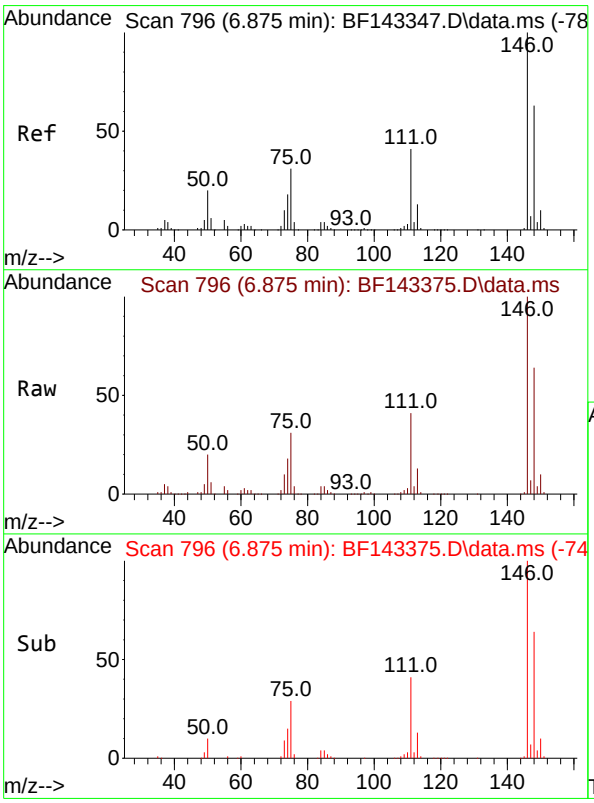
#11
bis(2-Chloroethyl)ether
Concen: 33.137 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 305052

Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.7	105.7
95	32.6	13.0	53.0

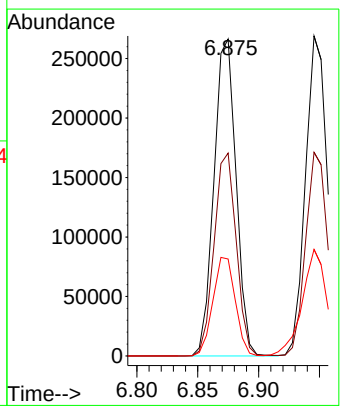


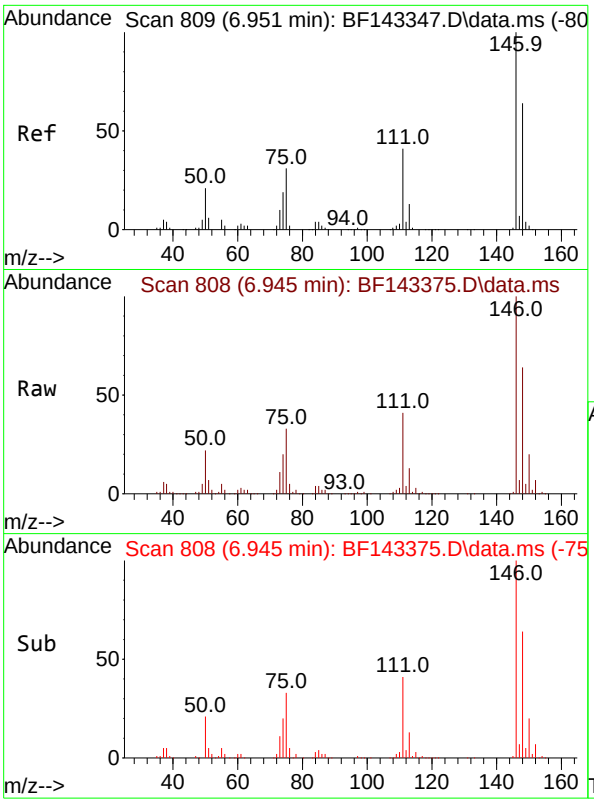


#12
1,3-Dichlorobenzene
Concen: 33.227 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:146 Resp: 336714

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.6	24.9	37.3



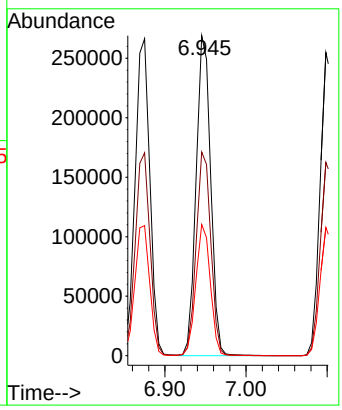


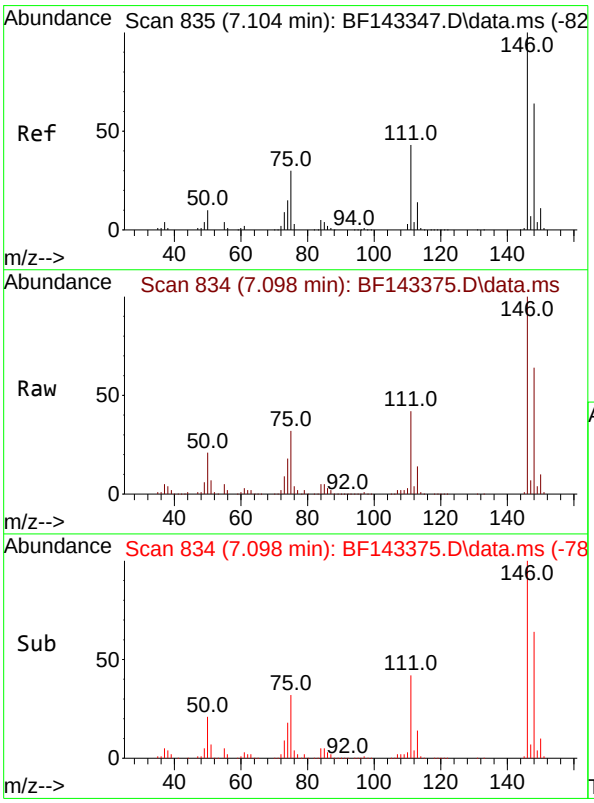
#13
1,4-Dichlorobenzene
Concen: 33.067 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 336314

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
111	41.0	32.6	48.8

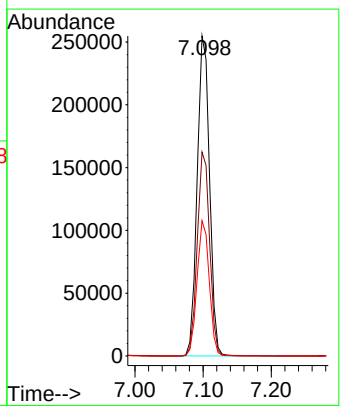


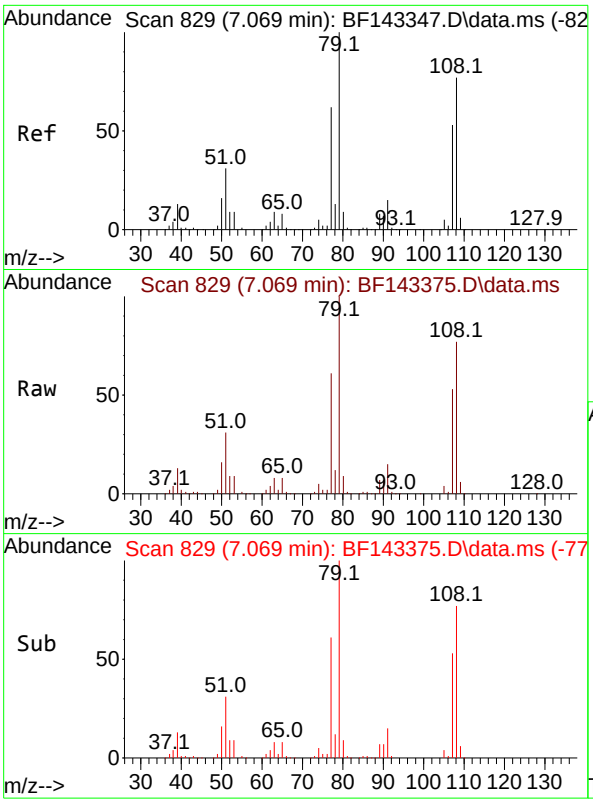


#14
1,2-Dichlorobenzene
Concen: 33.257 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:146 Resp: 321082

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	42.3	34.1	51.1



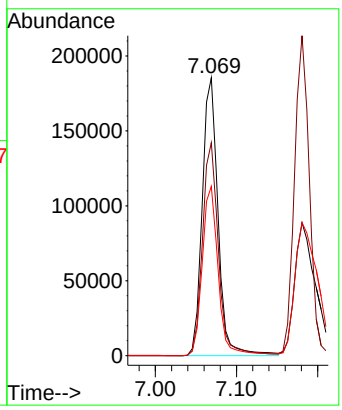


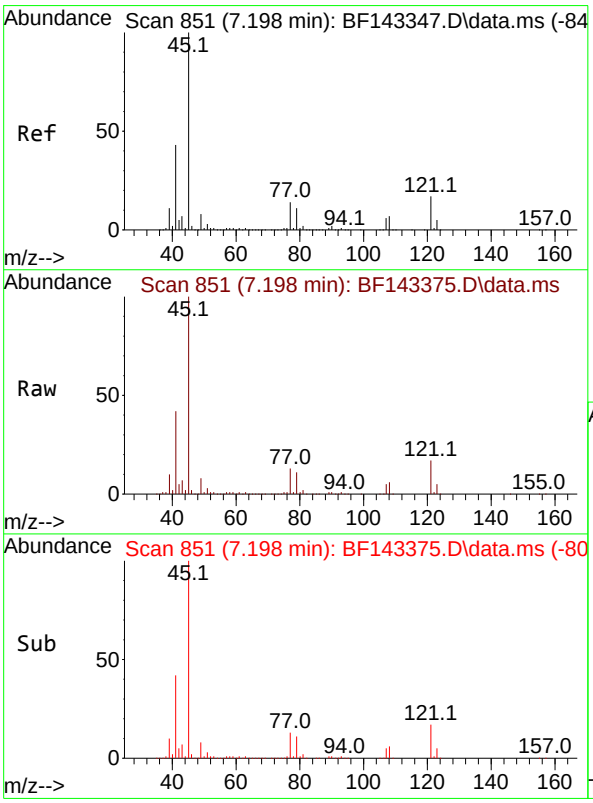
#15
Benzyl Alcohol
Concen: 33.205 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 250963

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.5	92.3
77	60.9	49.8	74.8

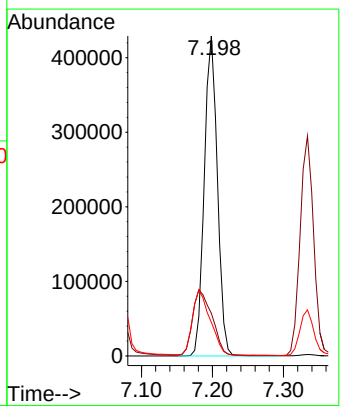


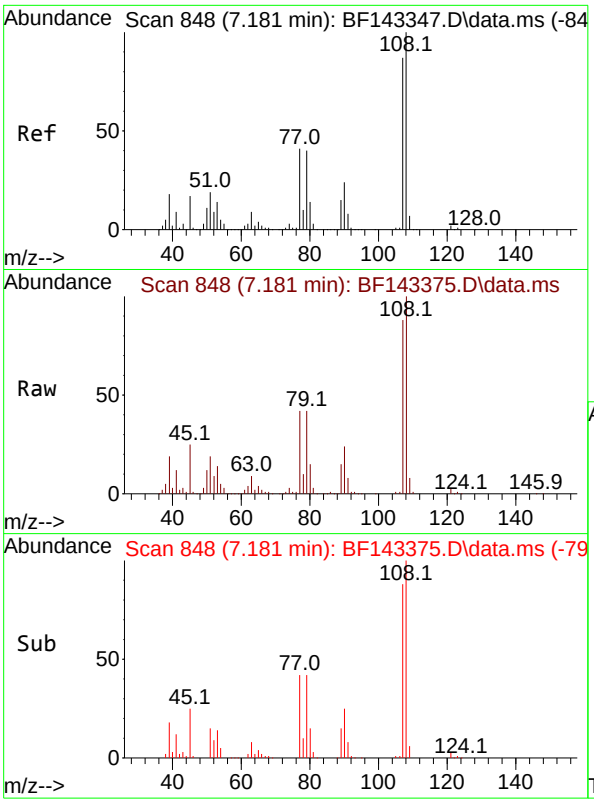


#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.595 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 45 Resp: 552137

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	34.0
79	10.6	0.0	31.1



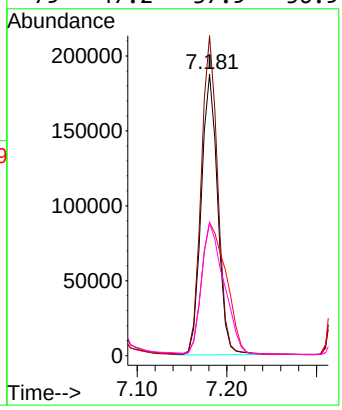


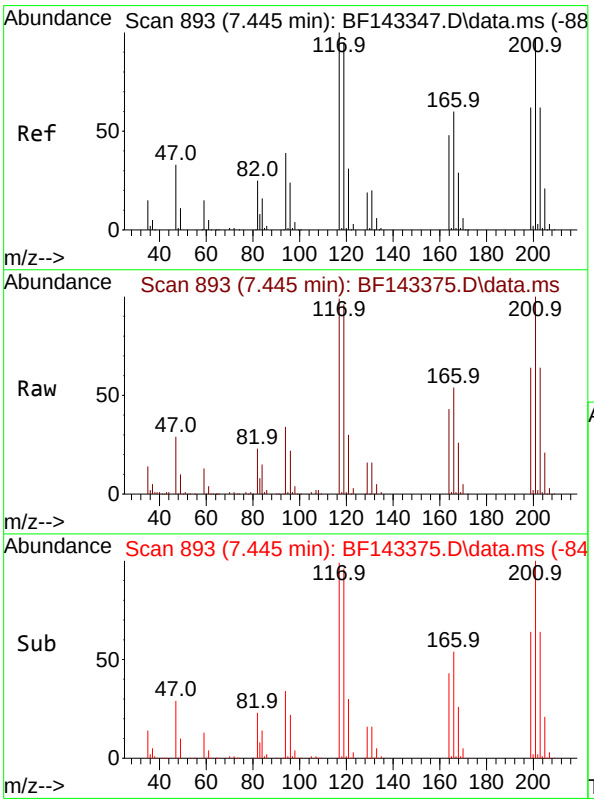
#17
2-Methylphenol
Concen: 32.041 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 237620

Ion	Ratio	Lower	Upper
107	100		
108	113.7	92.0	138.0
77	47.3	38.2	57.2
79	47.2	37.9	56.9

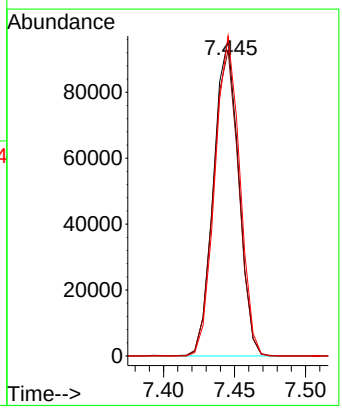


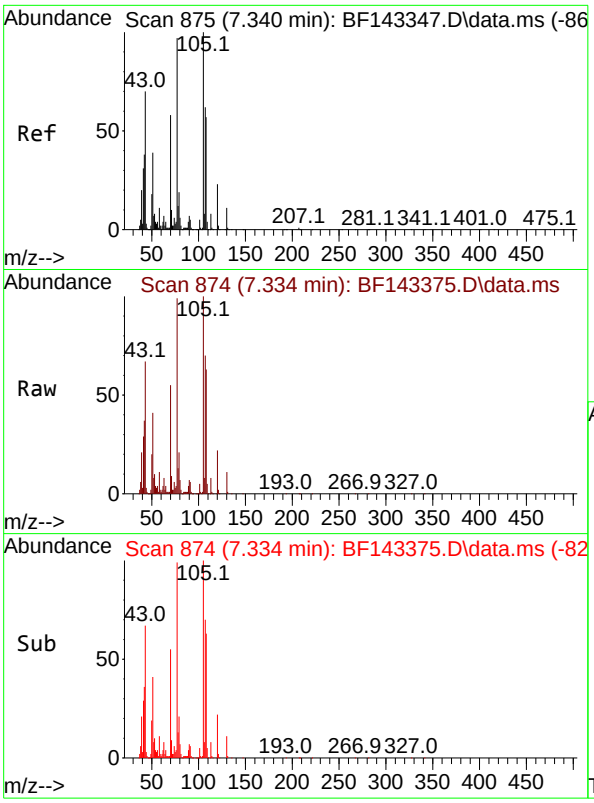


#18
Hexachloroethane
Concen: 36.789 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:117 Resp: 117308

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	101.1	77.2	115.8



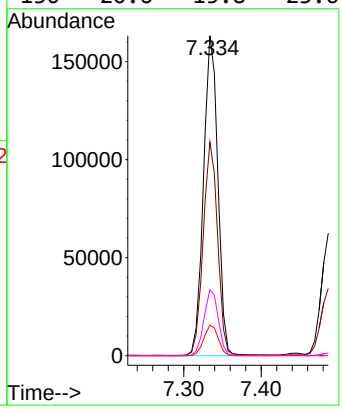


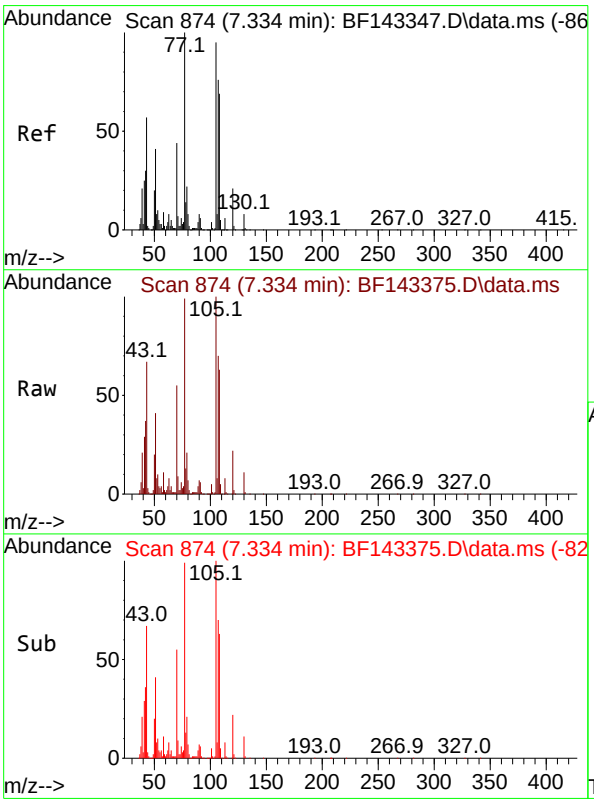
#19
n-Nitroso-di-n-propylamine
Concen: 32.223 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 209936

Ion	Ratio	Lower	Upper
70	100		
42	66.7	51.6	77.4
101	9.6	7.5	11.3
130	20.6	15.8	23.6

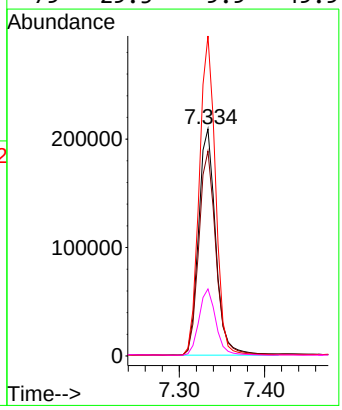


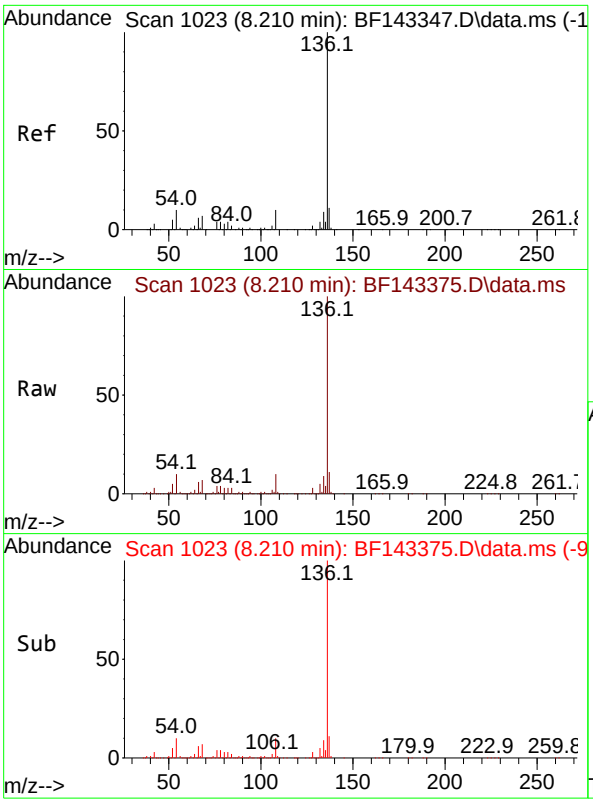


#20
3+4-Methylphenols
Concen: 32.537 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:107 Resp: 291824

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	141.0	112.0	152.0
79	29.5	9.9	49.9



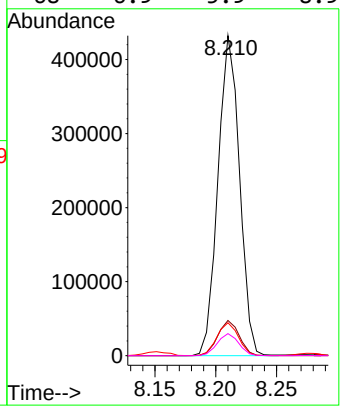


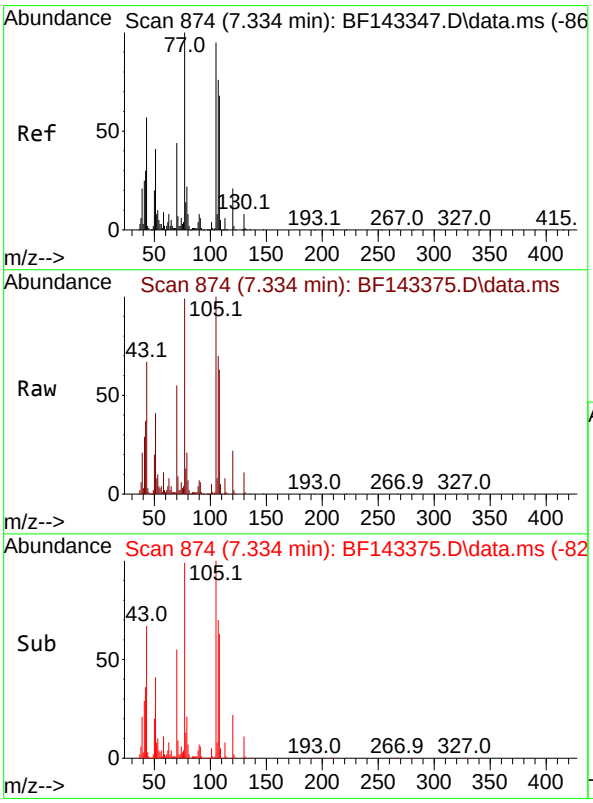
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 532547

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.4	12.6
68	6.9	5.9	8.9

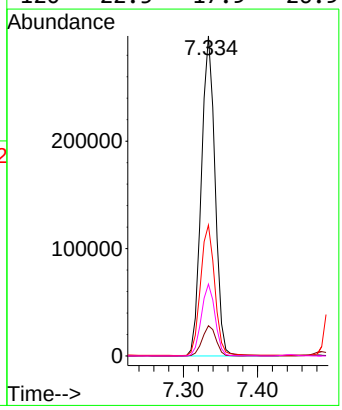


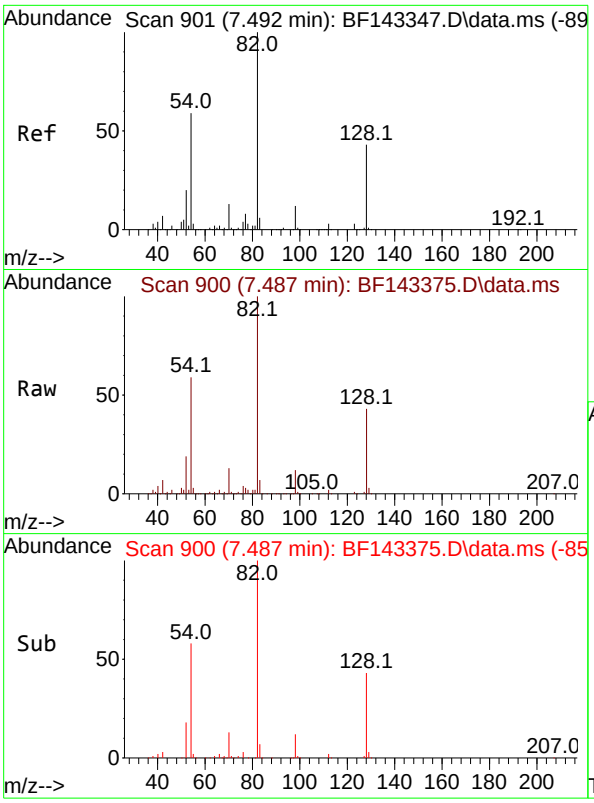


#22
Acetophenone
Concen: 32.697 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:105 Resp: 383657

Ion	Ratio	Lower	Upper
105	100		
71	9.4	6.2	9.4#
51	40.9	34.8	52.2
120	22.5	17.9	26.9



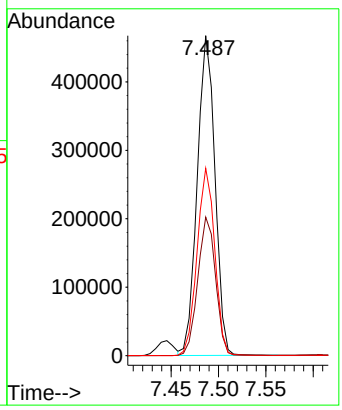


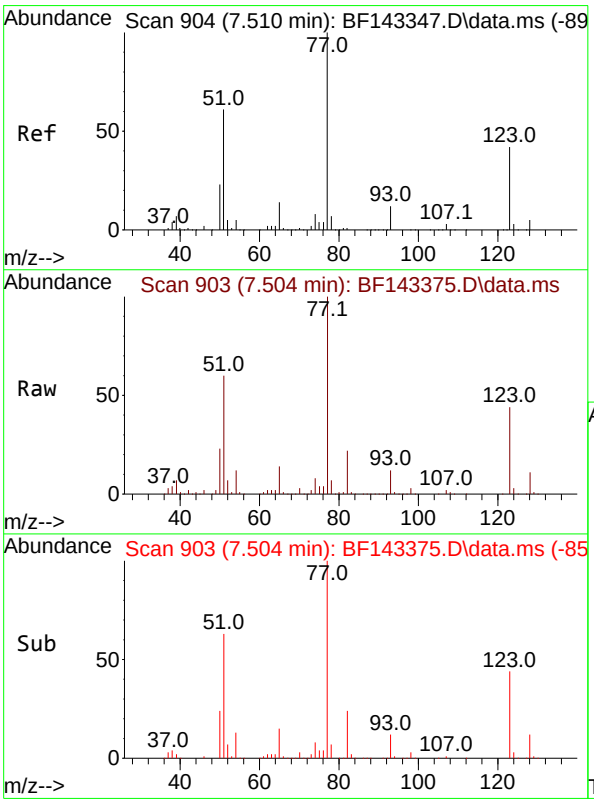
#23
Nitrobenzene-d5
Concen: 71.239 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 609217

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.5	50.3
54	58.5	46.7	70.1

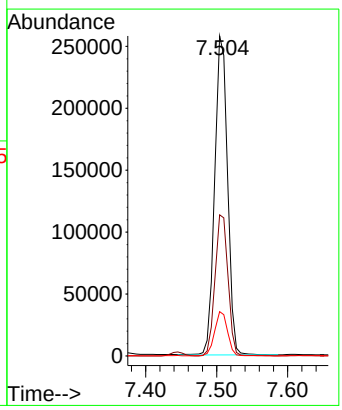


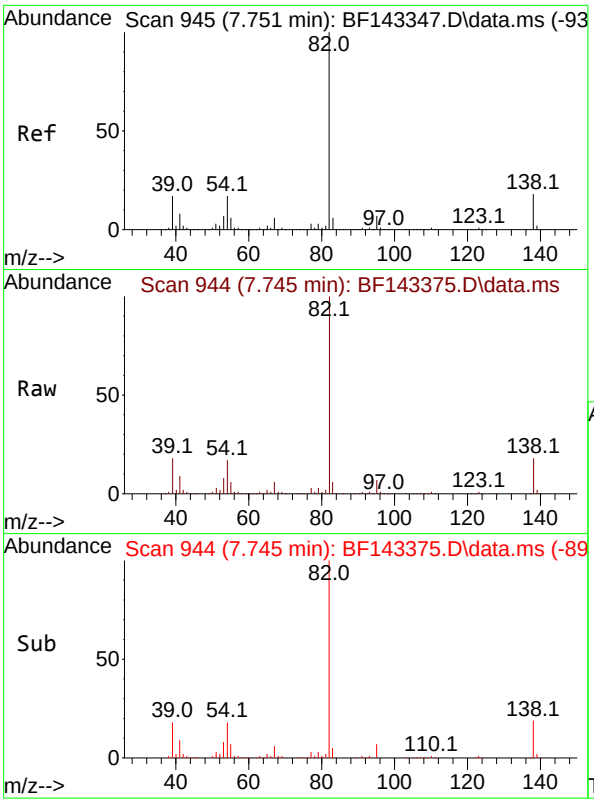


#24
Nitrobenzene
Concen: 34.811 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 77 Resp: 323310

Ion	Ratio	Lower	Upper
77	100		
123	44.1	34.8	52.2
65	13.9	11.0	16.6



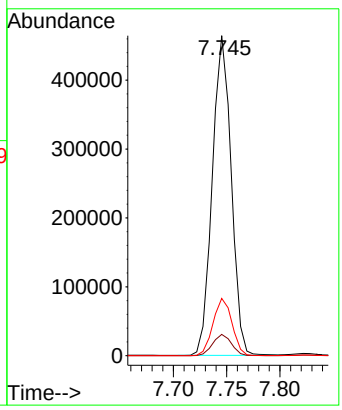


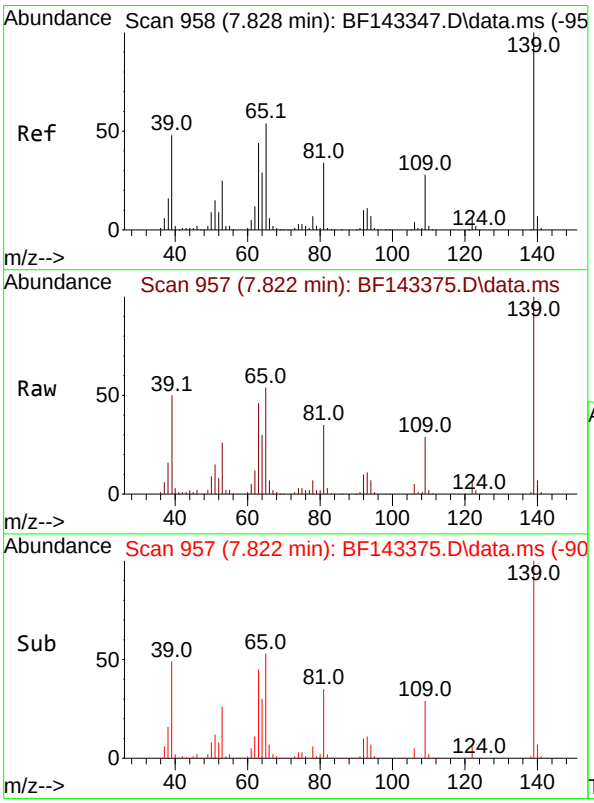
#25
Isophorone
Concen: 32.761 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 571933

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	17.9	14.6	21.8

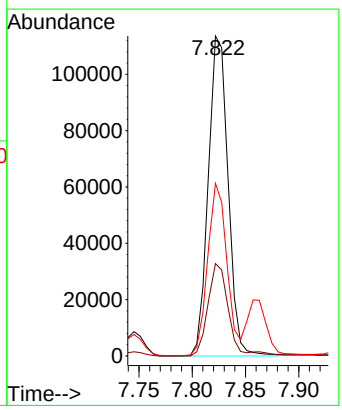


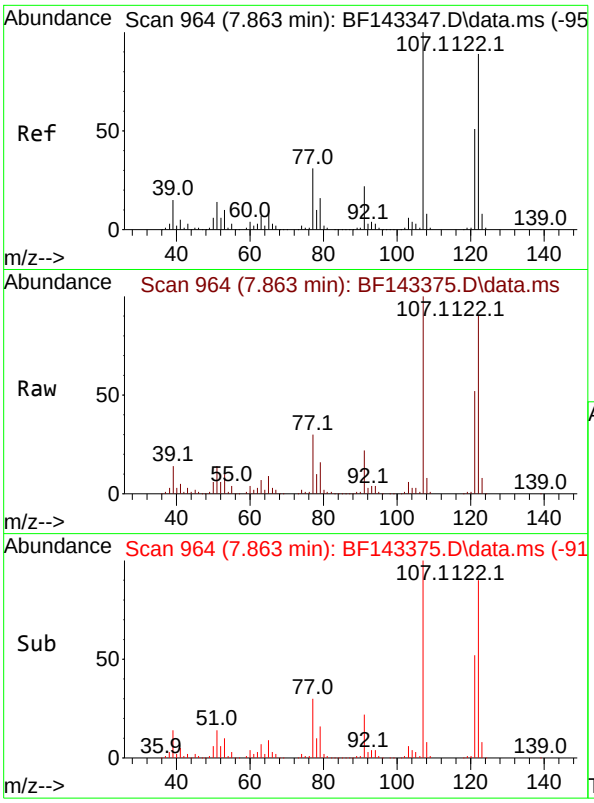


#26
2-Nitrophenol
Concen: 40.139 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:139 Resp: 146992

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.4	33.6
65	53.9	42.9	64.3



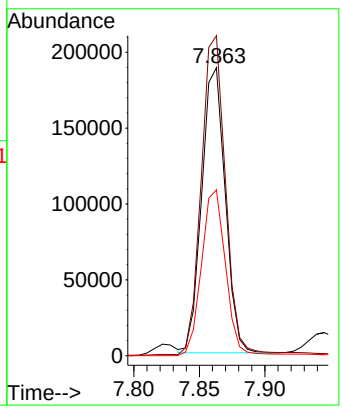


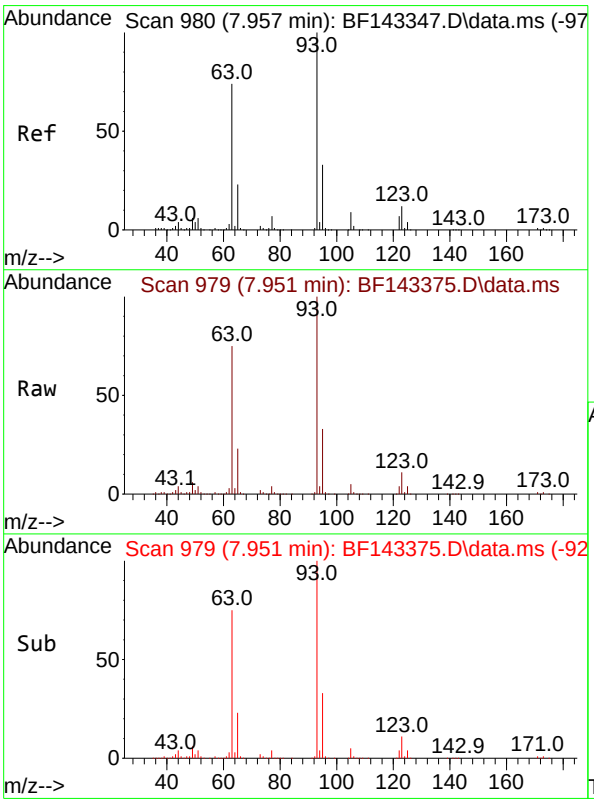
#27
2,4-Dimethylphenol
Concen: 32.240 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 234817

Ion	Ratio	Lower	Upper
122	100		
107	111.1	89.9	134.9
121	57.6	46.2	69.4

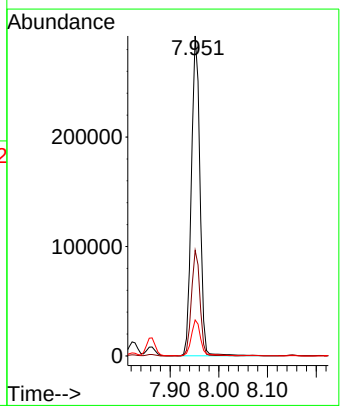


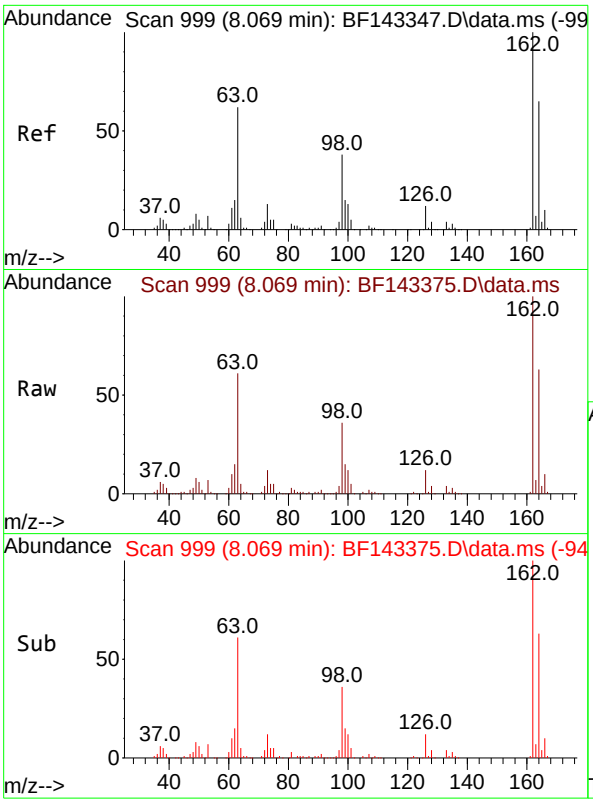


#28
bis(2-Chloroethoxy)methane
Concen: 33.707 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 93 Resp: 359282

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	11.2	9.4	14.2



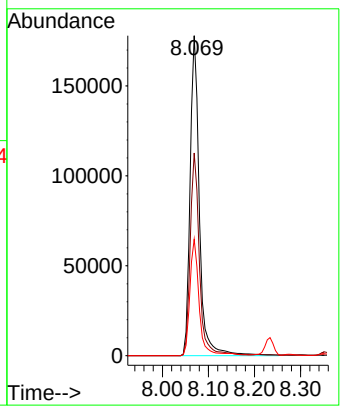


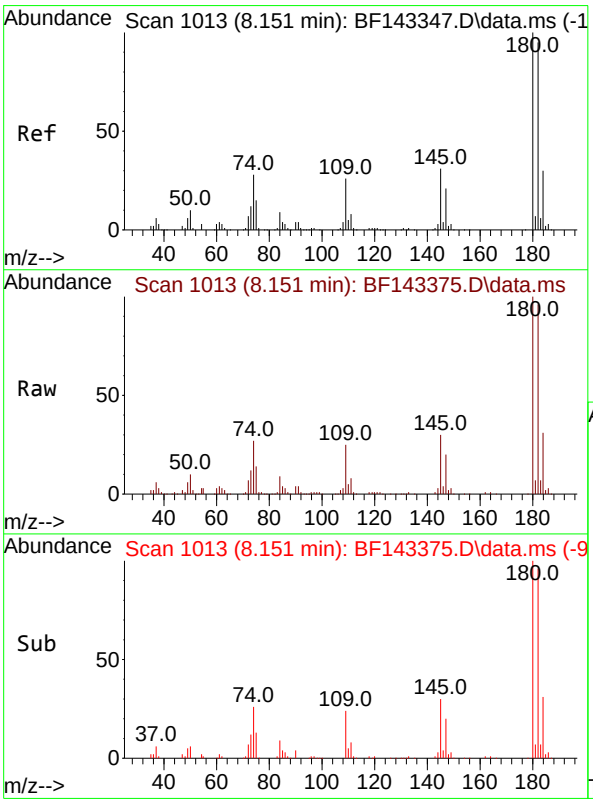
#29
2,4-Dichlorophenol
Concen: 34.959 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 248689

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.5	84.5
98	36.4	17.7	57.7

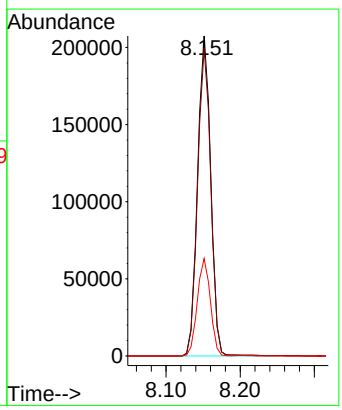


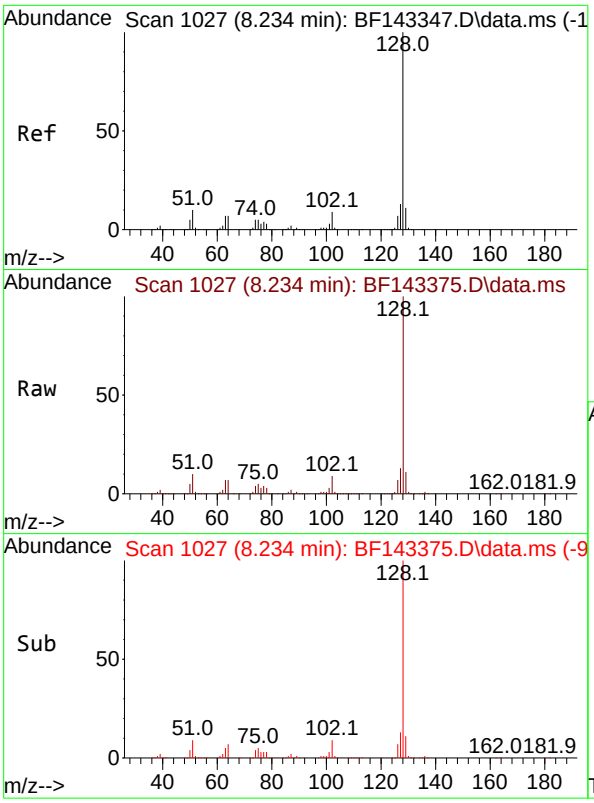


#30
1,2,4-Trichlorobenzene
Concen: 34.175 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:180 Resp: 256446

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.4	24.9	37.3



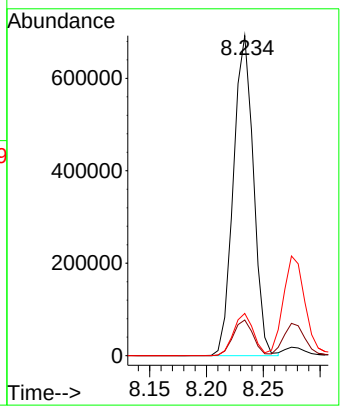


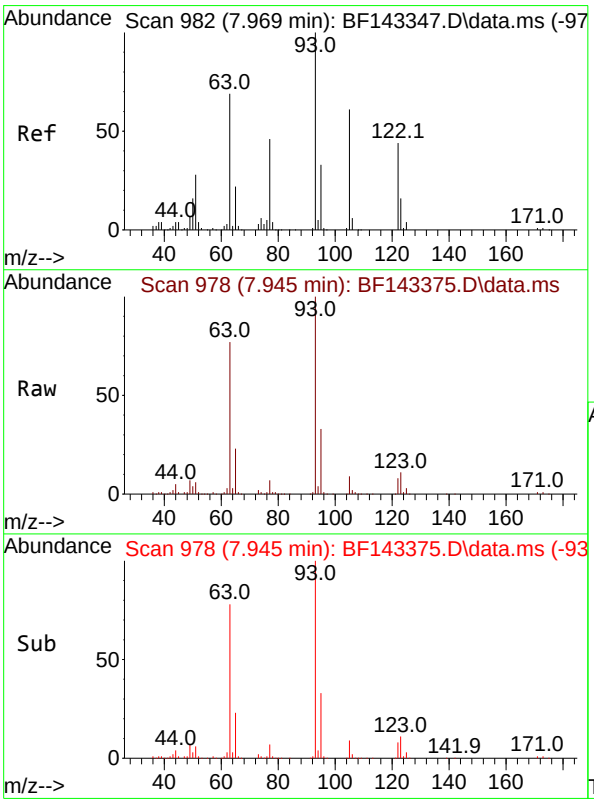
#31
Naphthalene
Concen: 33.165 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 849869

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.7	16.1

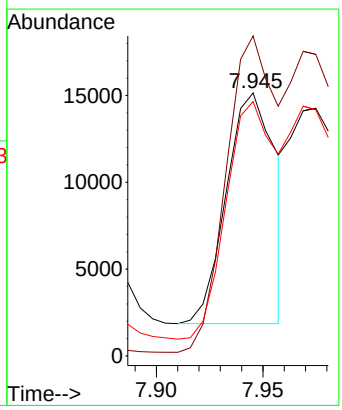


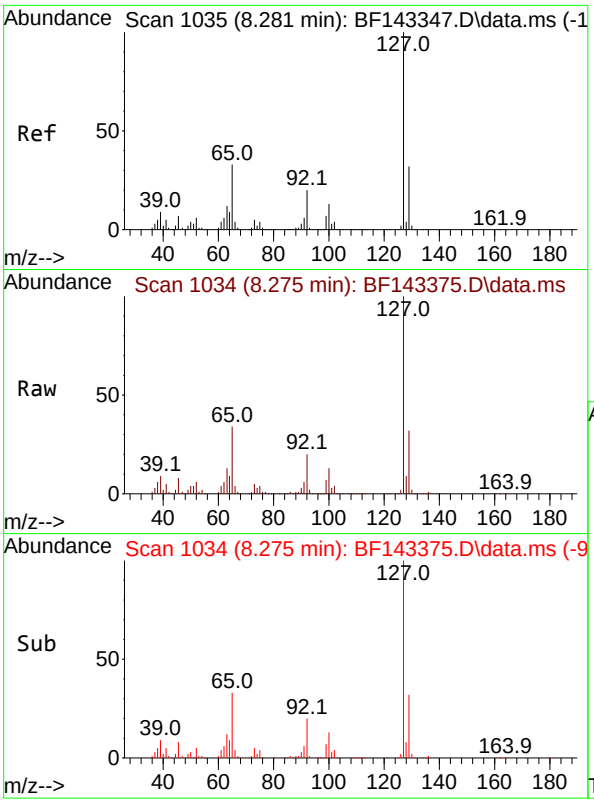


#32
Benzoic acid
Concen: 11.262 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.024 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:122 Resp: 21095

Ion	Ratio	Lower	Upper
122	100		
105	121.7	106.4	146.4
77	96.7	79.2	119.2



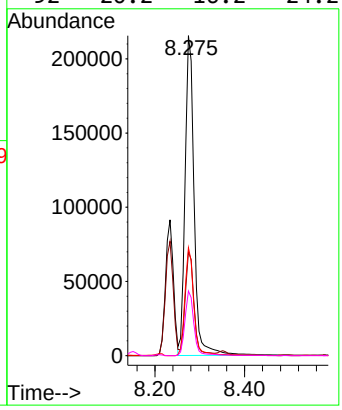


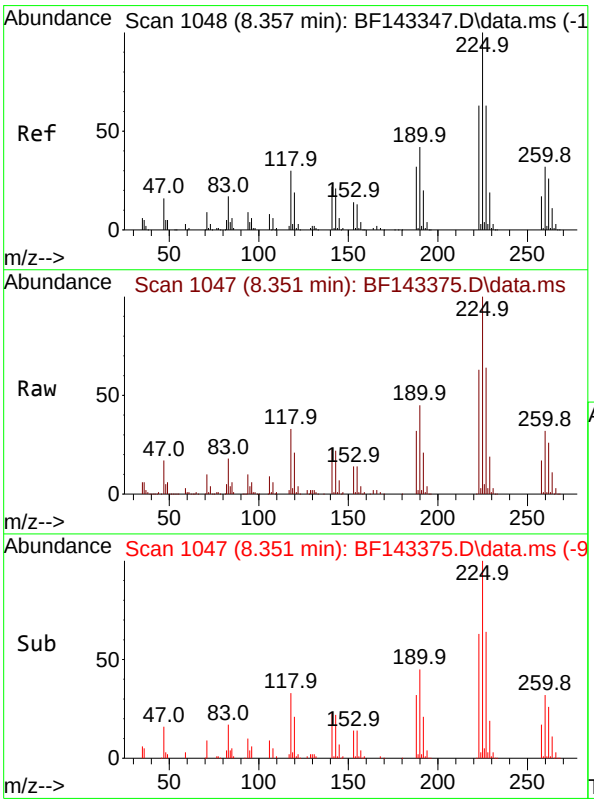
#33
4-Chloroaniline
Concen: 32.774 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 302922

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	33.8	27.0	40.4
92	20.2	16.2	24.2

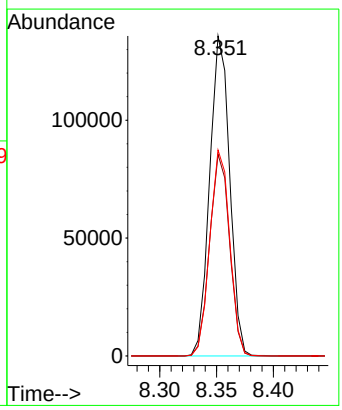


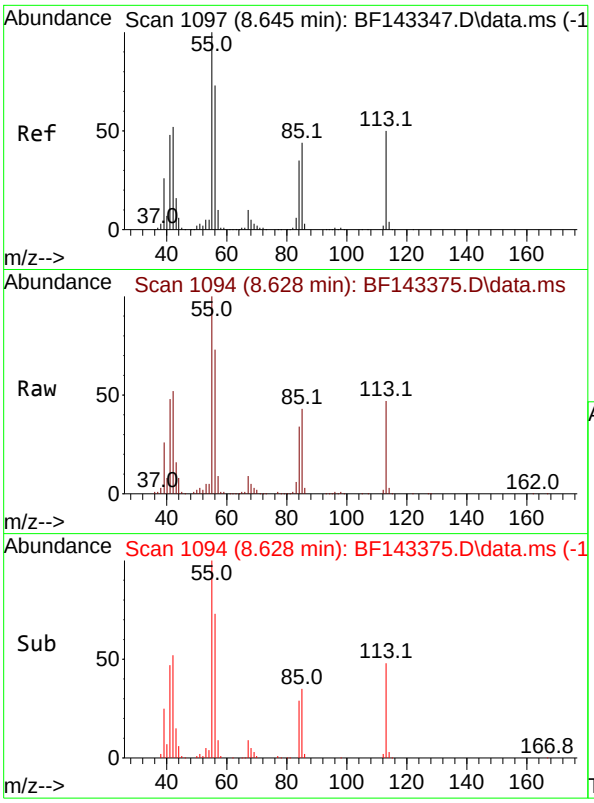


#34
Hexachlorobutadiene
Concen: 35.647 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:225 Resp: 166399

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	64.3	50.6	75.8



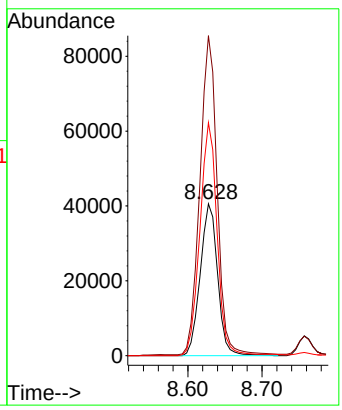


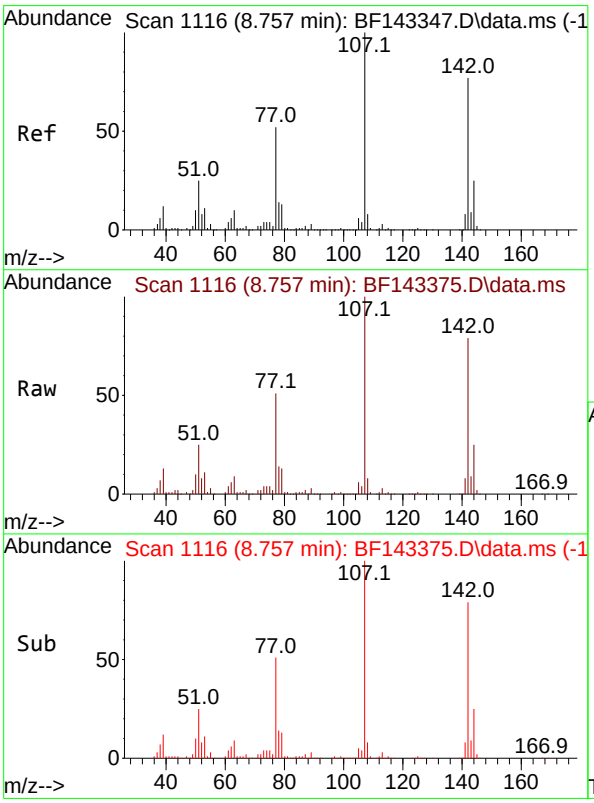
#35
Caprolactam
Concen: 33.198 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 66390

Ion	Ratio	Lower	Upper
113	100		
55	210.6	181.4	221.4
56	153.4	127.3	167.3

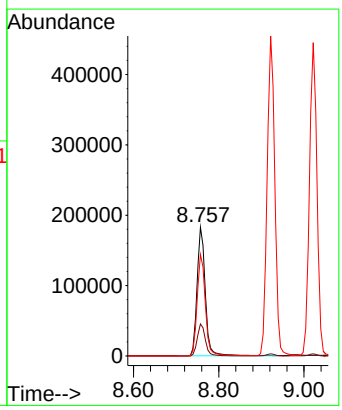


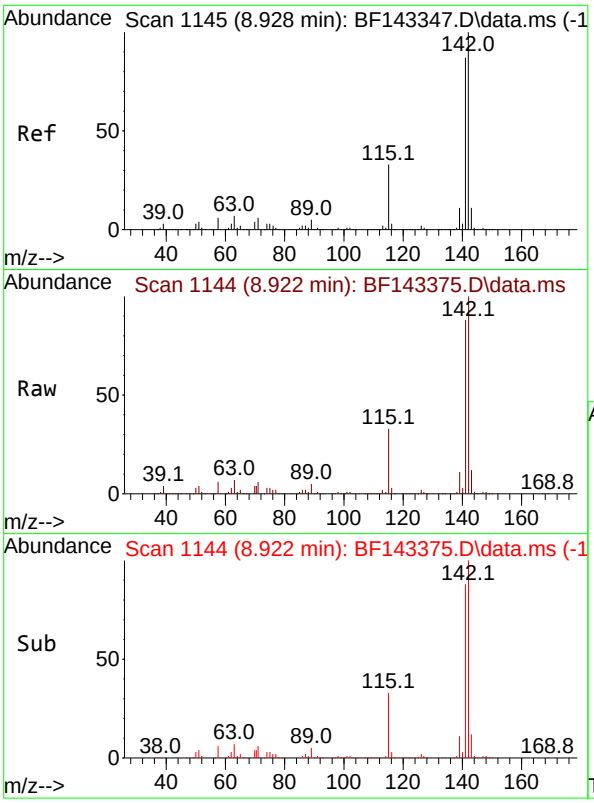


#36
4-Chloro-3-methylphenol
Concen: 32.804 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:107 Resp: 244639

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.0	30.0
142	78.8	61.3	91.9



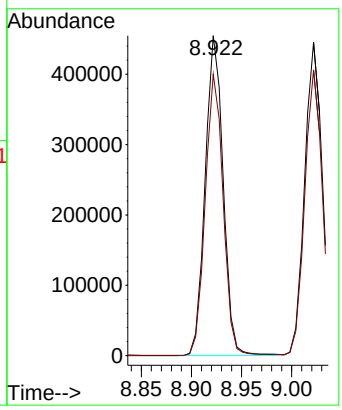


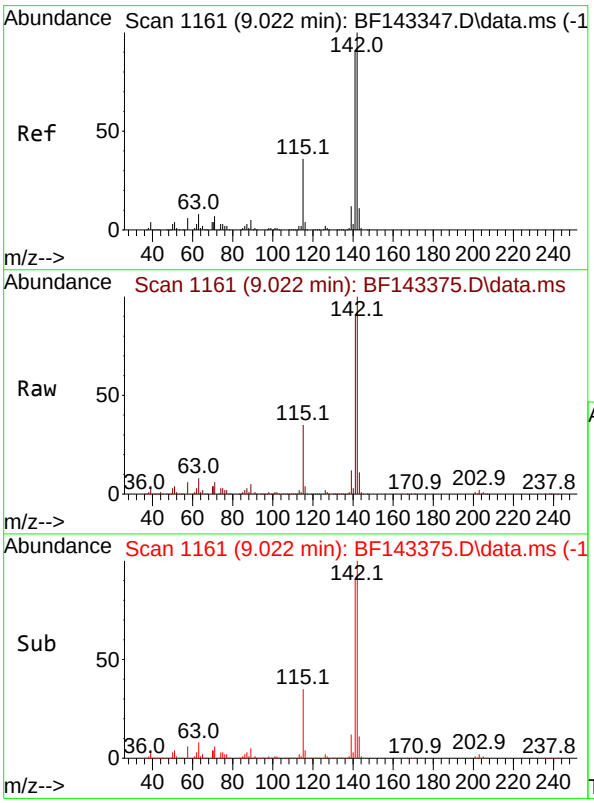
#37
2-Methylnaphthalene
Concen: 33.642 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 566761

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.8	104.8

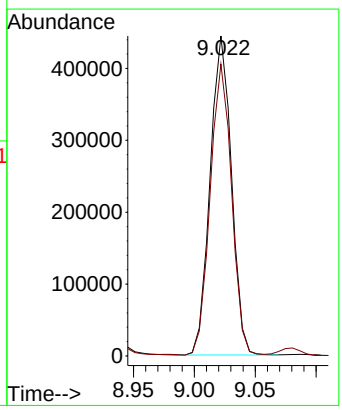


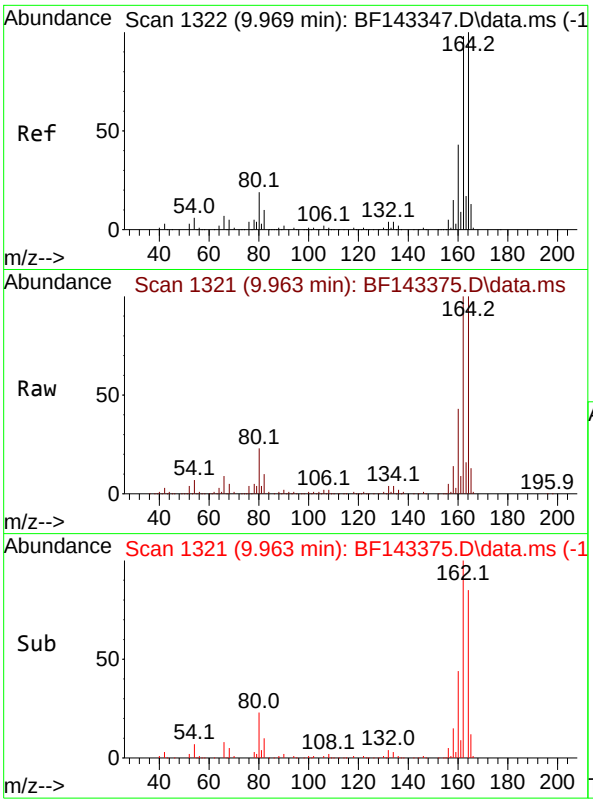


#38
1-Methylnaphthalene
Concen: 33.258 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:142 Resp: 539612

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4



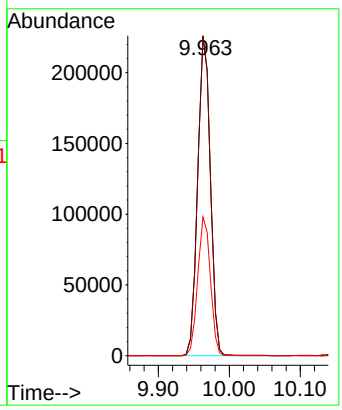


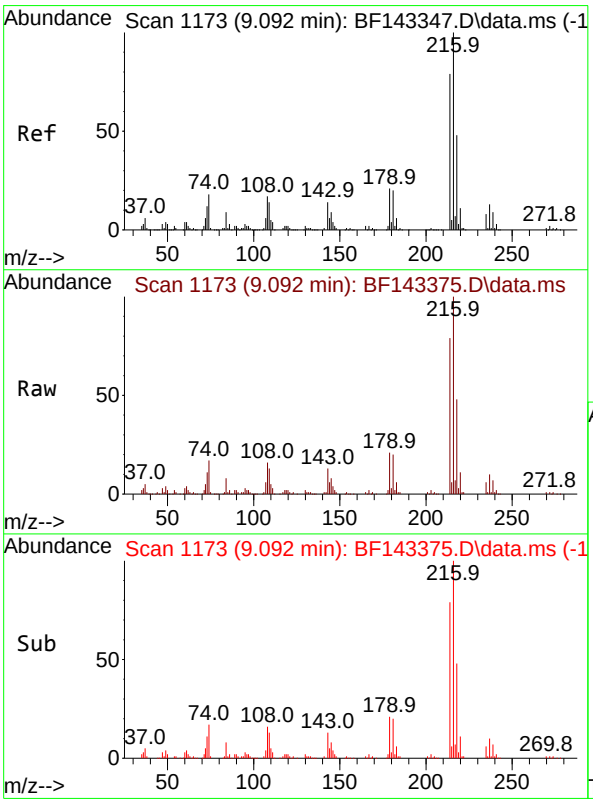
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 280155

Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.6	118.0
160	43.6	34.4	51.6

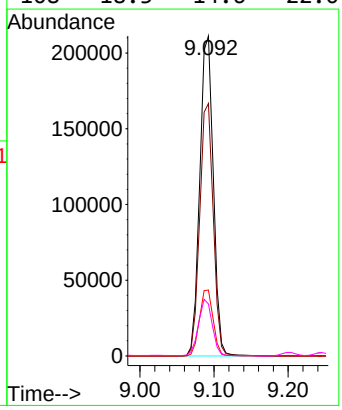


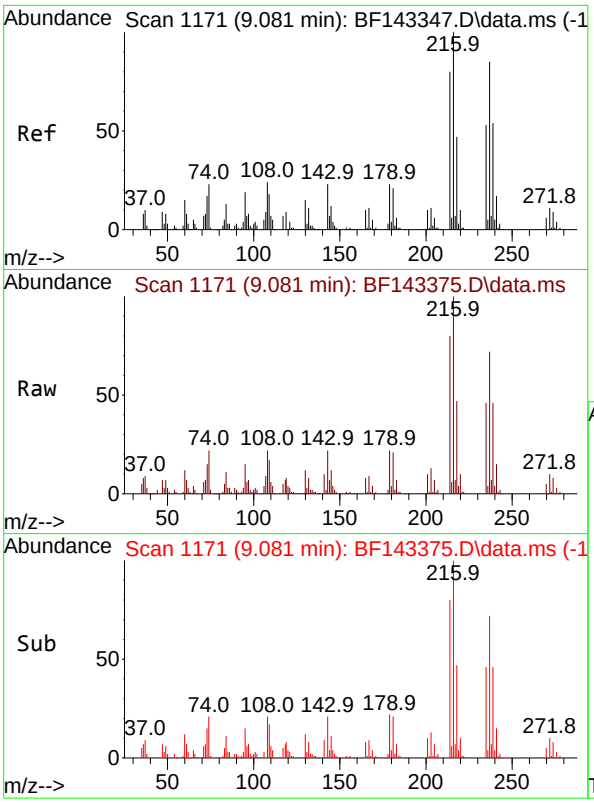


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.967 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:216 Resp: 268069

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	20.9	17.0	25.4
108	18.3	14.6	22.0



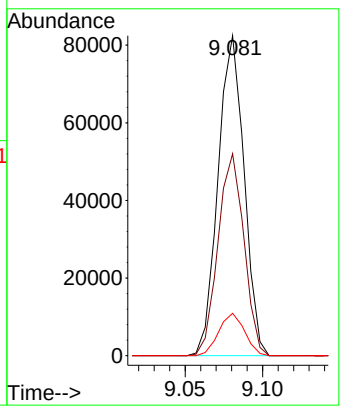


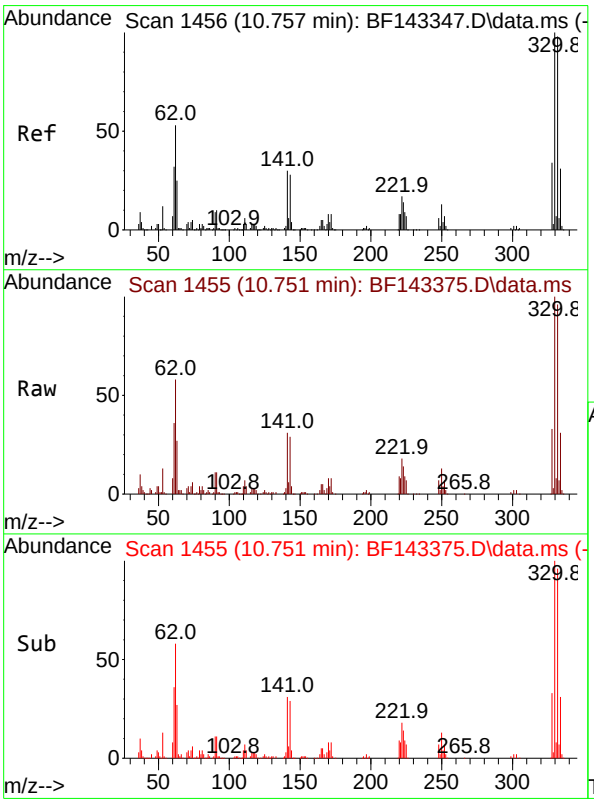
#41
Hexachlorocyclopentadiene
Concen: 39.285 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 96295

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.0	82.0
272	13.2	0.0	32.6

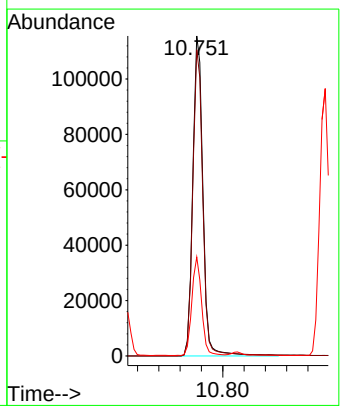


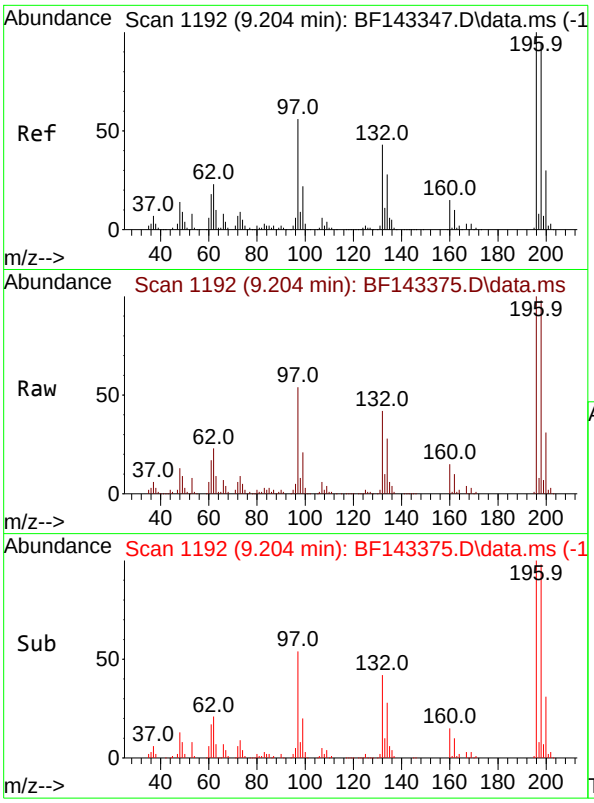


#42
2,4,6-Tribromophenol
Concen: 74.875 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:330 Resp: 153302

Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.1	117.1
141	29.4	25.4	38.0



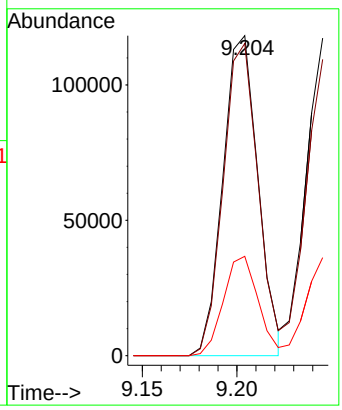


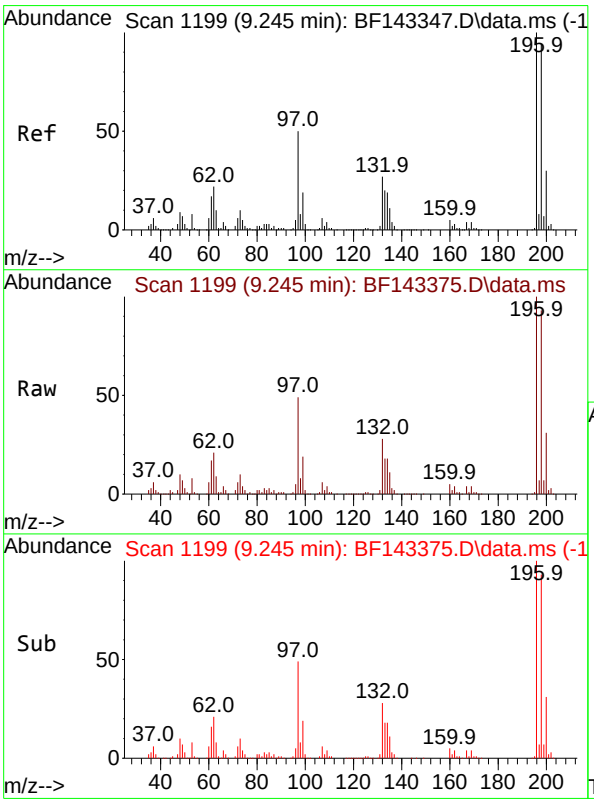
#43
2,4,6-Trichlorophenol
Concen: 34.992 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 152206

Ion	Ratio	Lower	Upper
196	100		
198	97.6	75.4	113.0
200	31.1	24.3	36.5

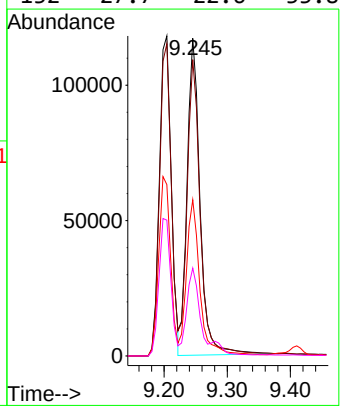


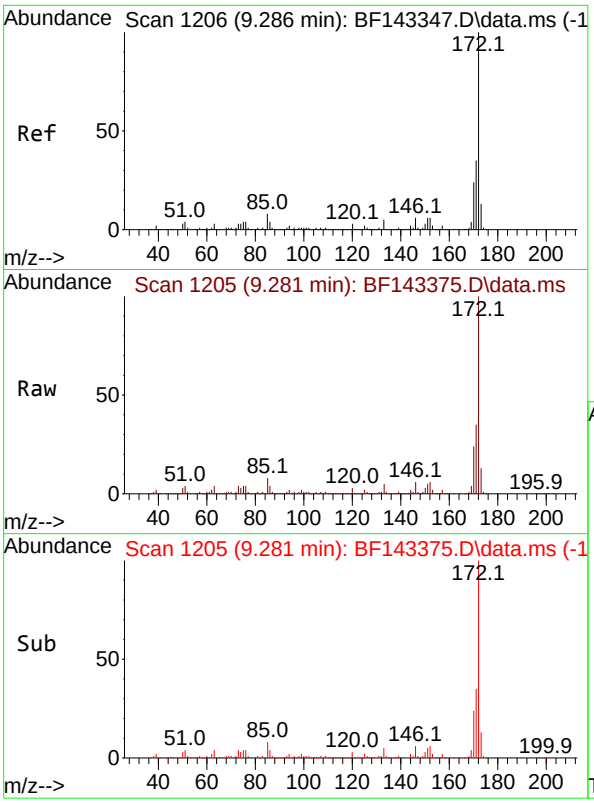


#44
2,4,5-Trichlorophenol
Concen: 34.139 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:196 Resp: 167691

Ion	Ratio	Lower	Upper
196	100		
198	93.3	75.4	113.2
97	49.1	39.9	59.9
132	27.7	22.6	33.8



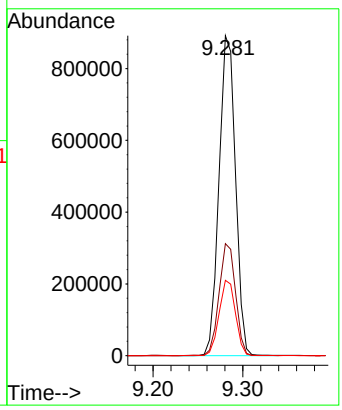


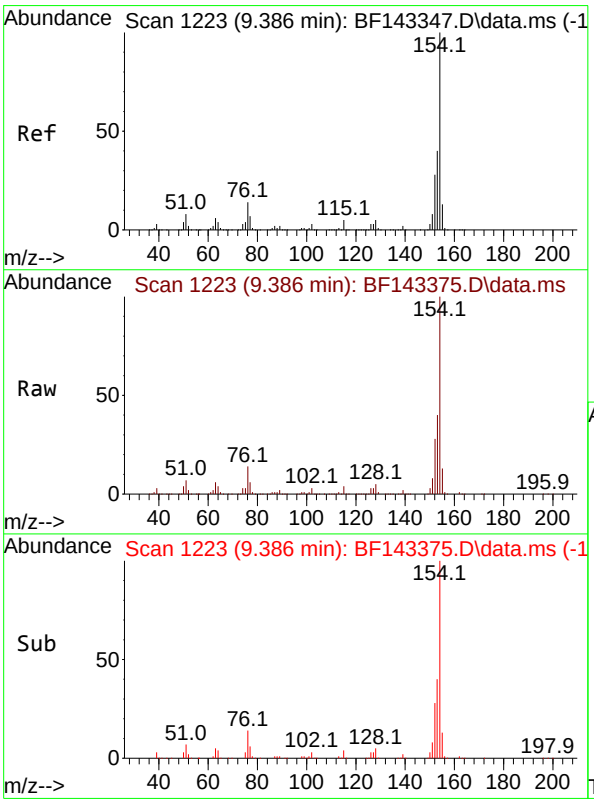
#45
2-Fluorobiphenyl
Concen: 68.852 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1137493

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	23.6	19.1	28.7

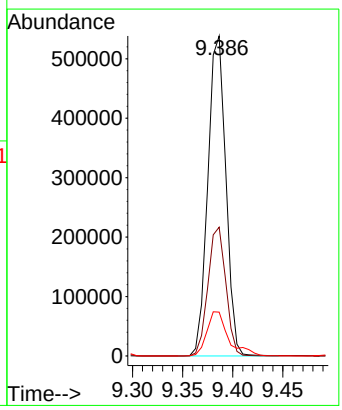


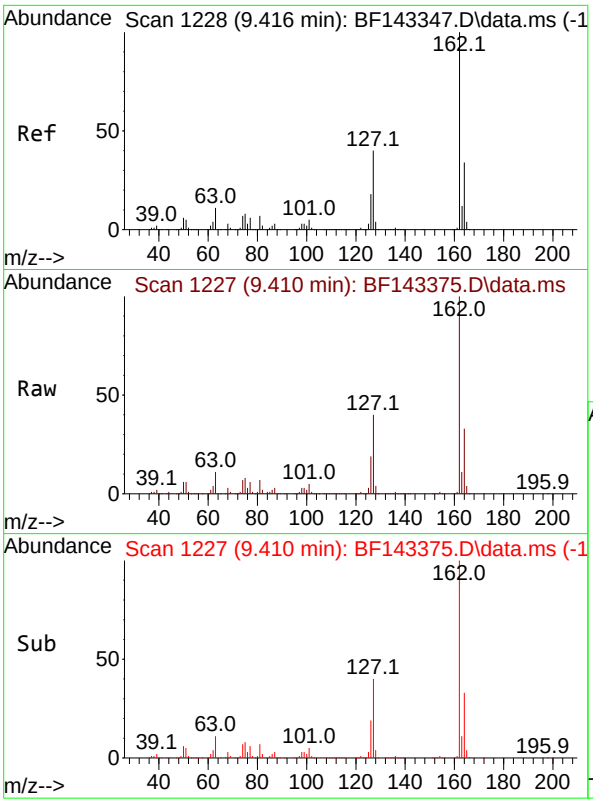


#46
1,1'-Biphenyl
Concen: 33.987 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:154 Resp: 673225

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	13.7	0.0	34.4



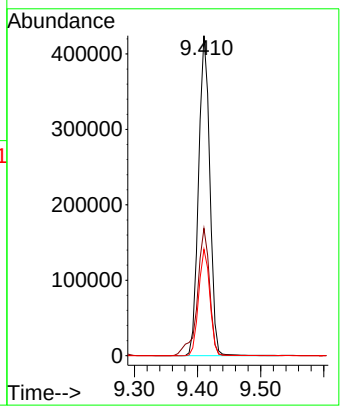


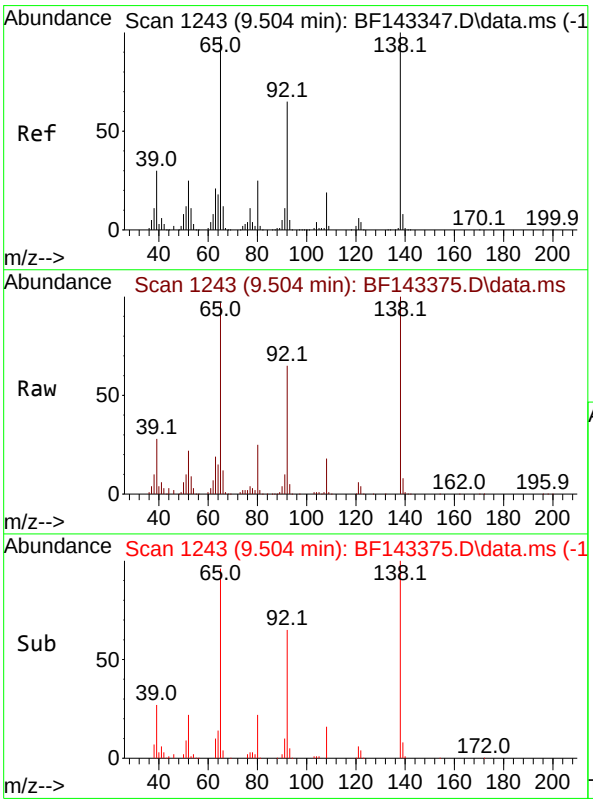
#47
2-Chloronaphthalene
Concen: 33.589 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 524013

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.1	48.1
164	33.3	27.0	40.4

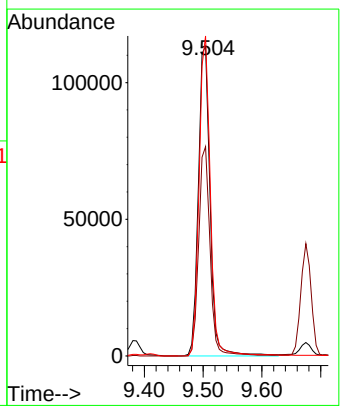


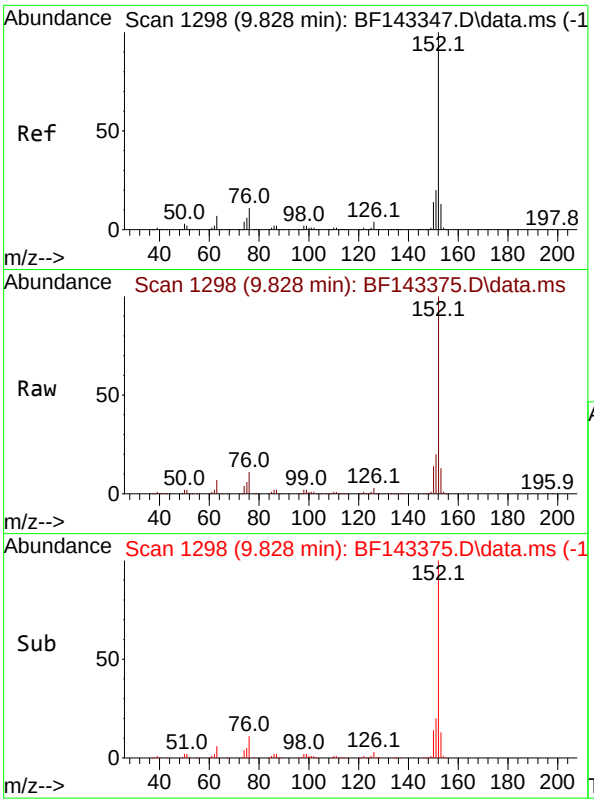


#48
2-Nitroaniline
Concen: 35.664 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion: 65 Resp: 157073

Ion	Ratio	Lower	Upper
65	100		
92	67.6	53.1	79.7
138	103.3	81.4	122.0



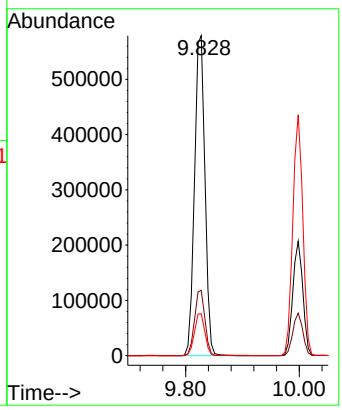


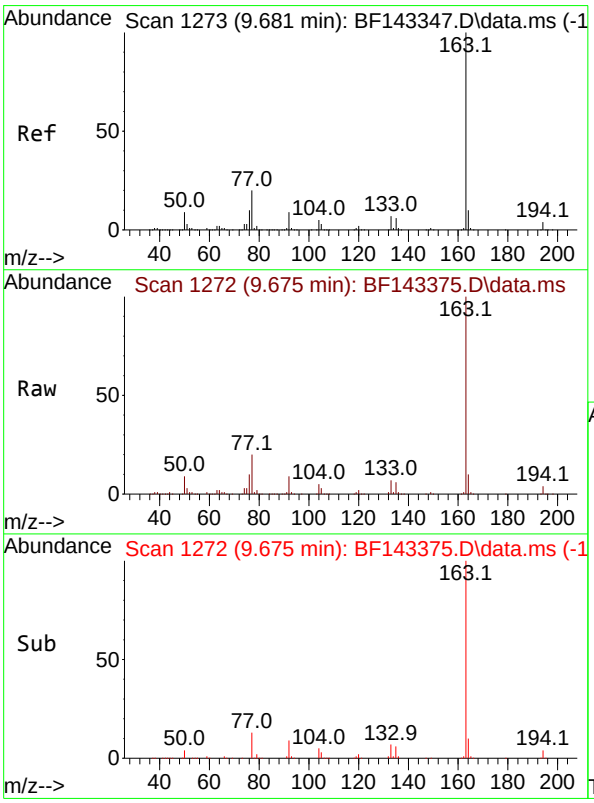
#49
Acenaphthylene
Concen: 33.079 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 745240

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.1	10.6	16.0

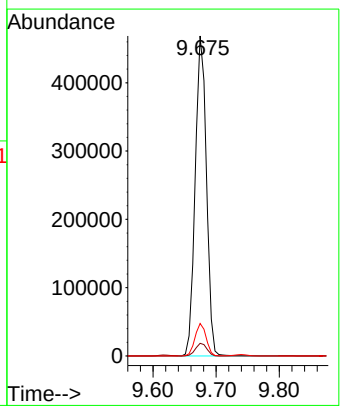


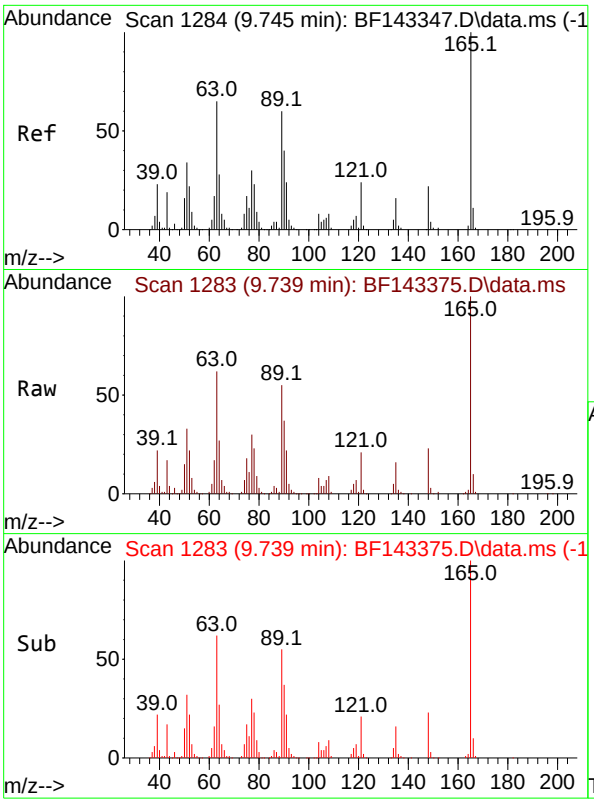


#50
Dimethylphthalate
Concen: 35.368 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:163 Resp: 578964

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.2	12.2



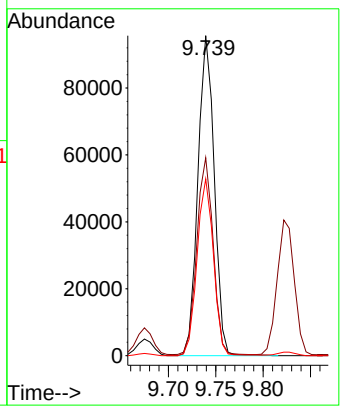


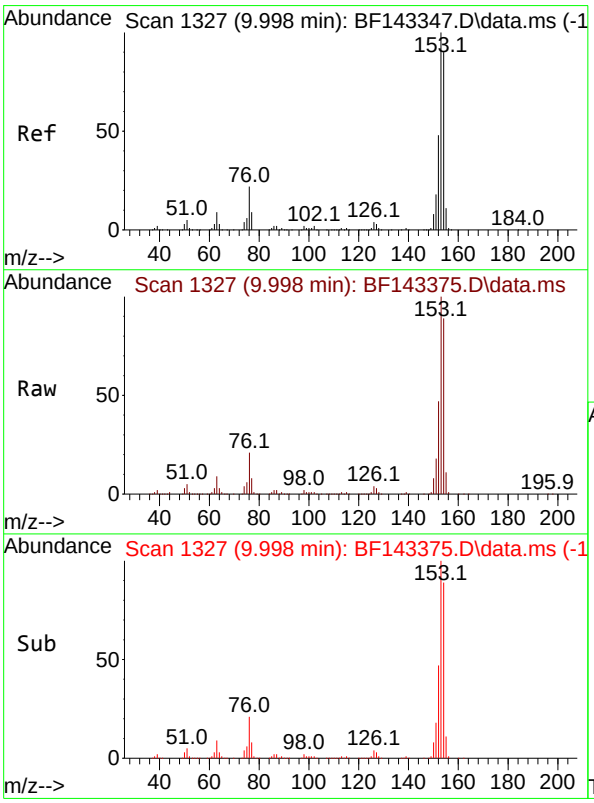
#51
2,6-Dinitrotoluene
Concen: 37.663 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 114561

Ion	Ratio	Lower	Upper
165	100		
63	61.9	51.6	77.4
89	55.2	47.7	71.5

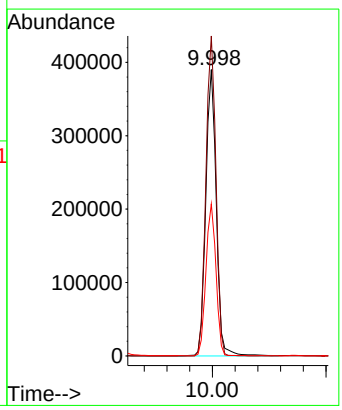


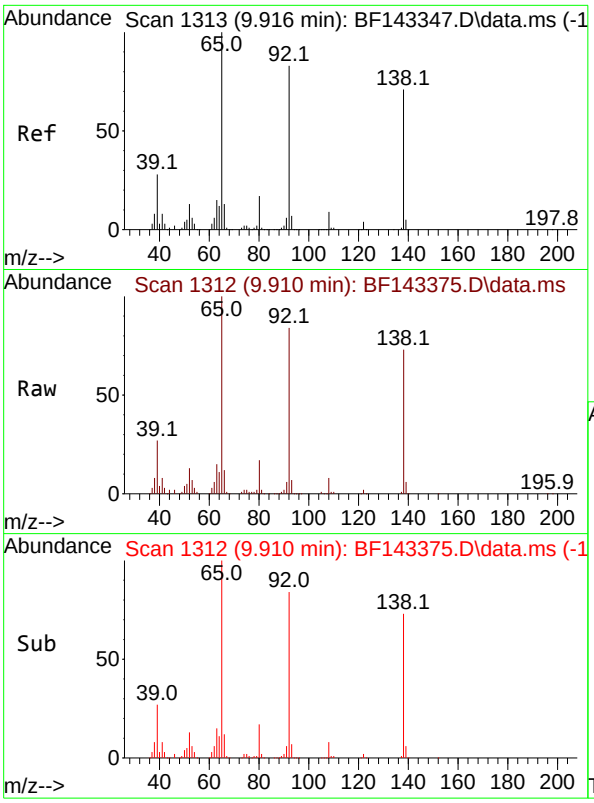


#52
Acenaphthene
Concen: 33.135 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:154 Resp: 496290

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.5	132.7
152	53.1	42.4	63.6



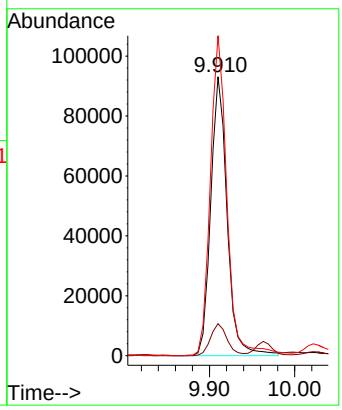


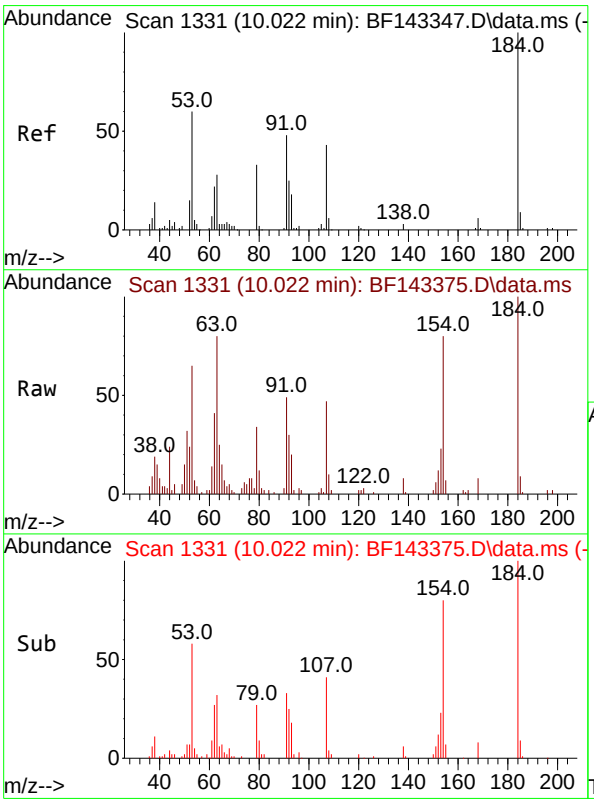
#53
3-Nitroaniline
Concen: 37.068 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 124269

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.6	14.4
92	114.7	93.4	140.2

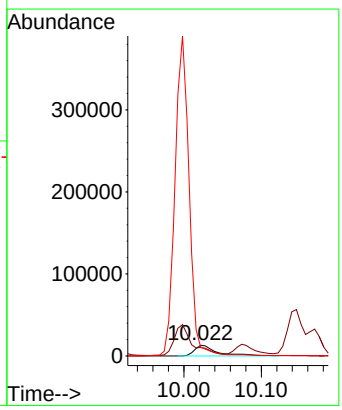


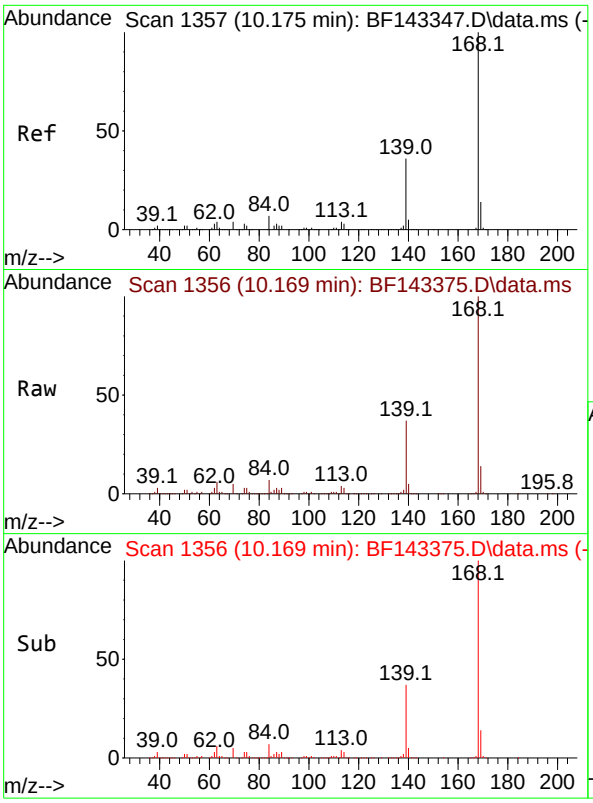


#54
2,4-Dinitrophenol
Concen: 31.747 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:184 Resp: 26990

Ion	Ratio	Lower	Upper
184	100		
63	80.0	62.5	93.7
154	80.1	73.0	109.4



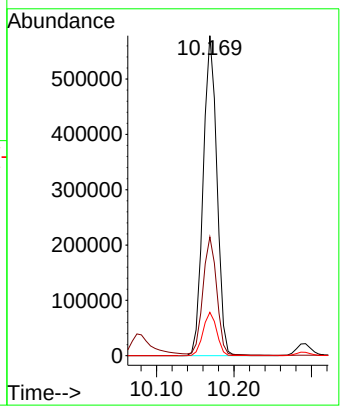


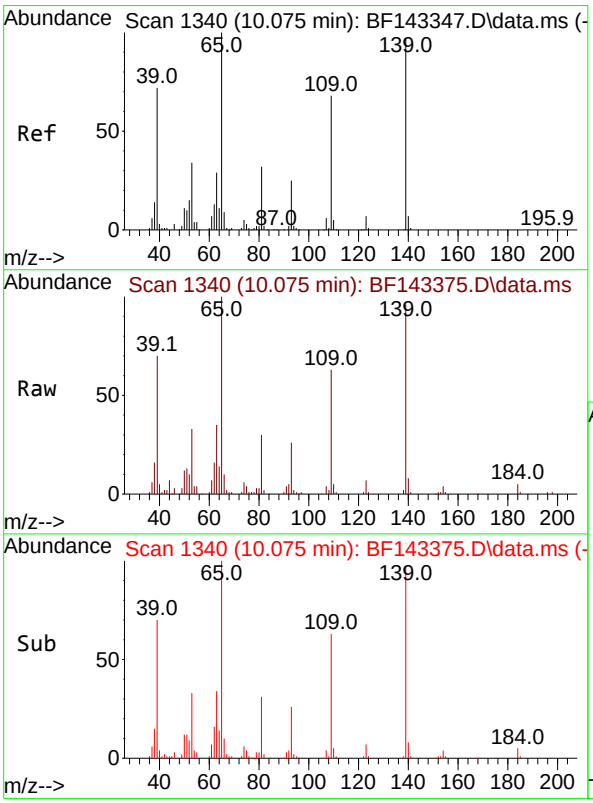
#55
Dibenzofuran
Concen: 32.990 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 711150

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.4	44.0
169	13.6	11.0	16.6

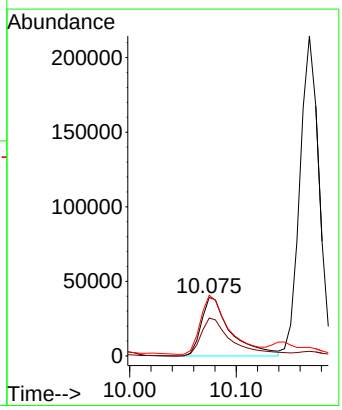


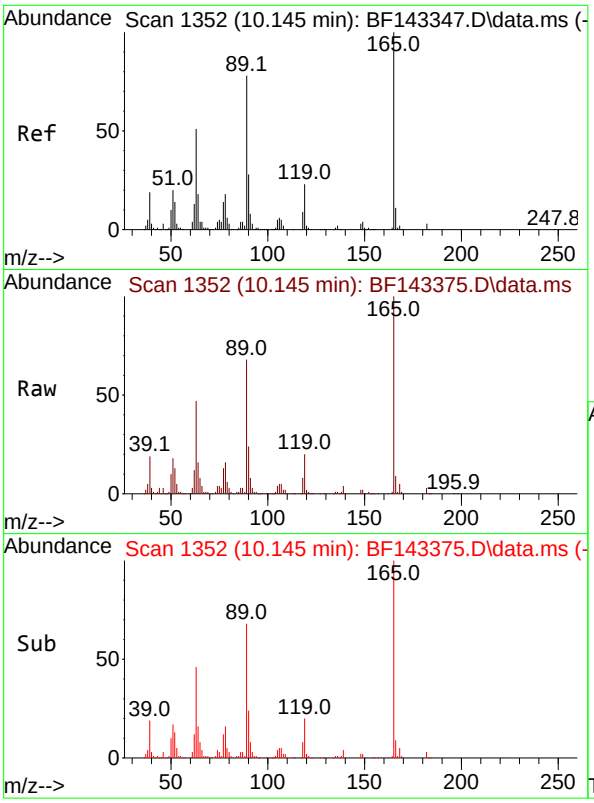


#56
4-Nitrophenol
Concen: 31.741 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:139 Resp: 75539

Ion	Ratio	Lower	Upper
139	100		
109	64.9	49.4	89.4
65	103.8	83.7	123.7



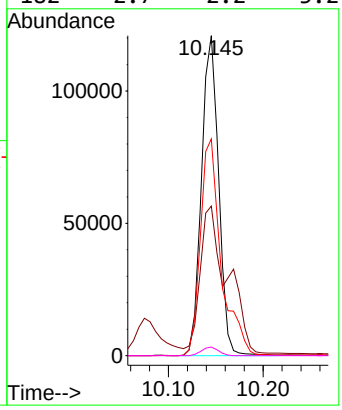


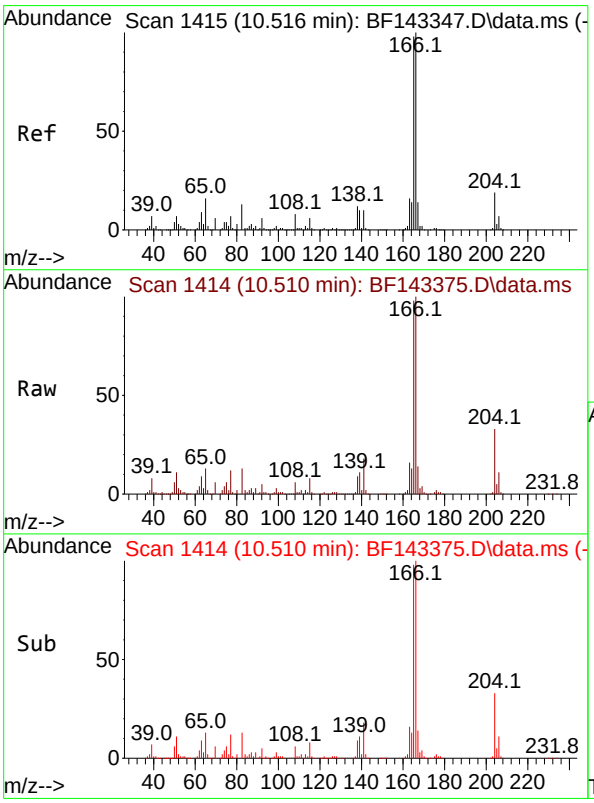
#57
2,4-Dinitrotoluene
Concen: 37.646 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 151897

Ion	Ratio	Lower	Upper
165	100		
63	46.8	41.8	62.8
89	67.7	62.4	93.6
182	2.7	2.2	3.2

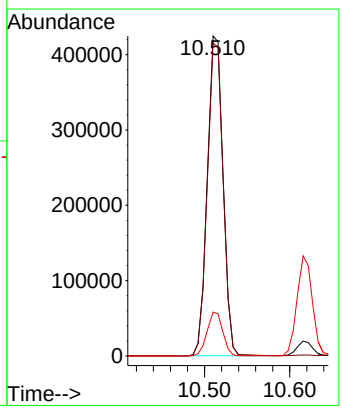


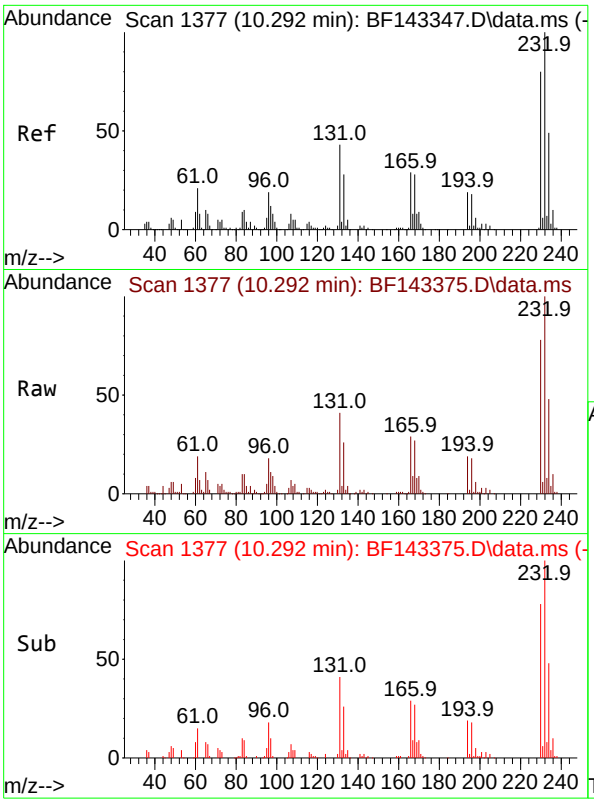


#58
Fluorene
Concen: 33.121 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:166 Resp: 545337

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.7	10.9	16.3



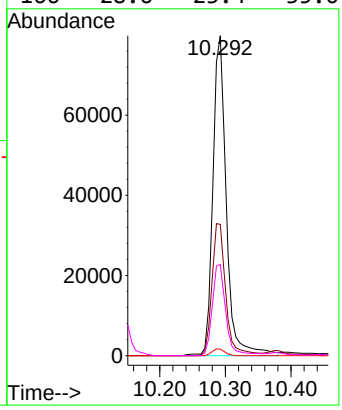


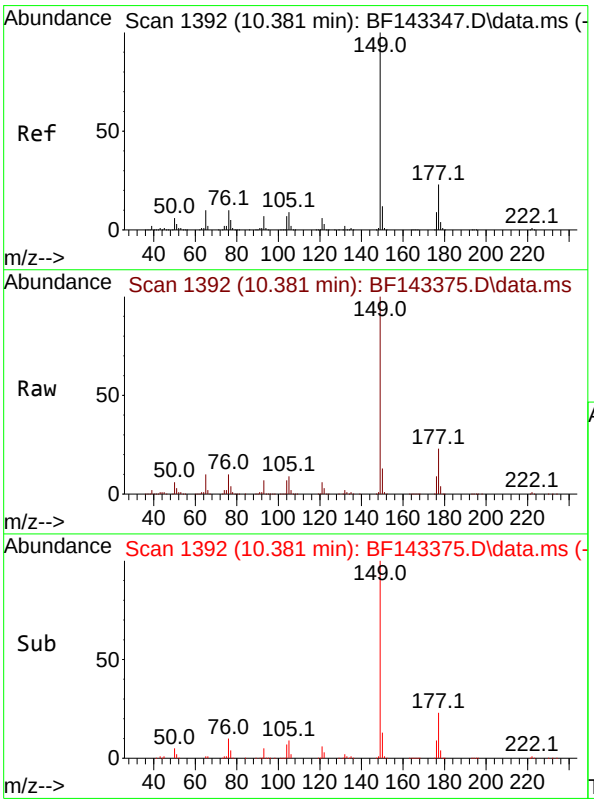
#59
2,3,4,6-Tetrachlorophenol
Concen: 34.306 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 113591

Ion	Ratio	Lower	Upper
232	100		
131	42.3	34.6	51.8
130	2.0	1.7	2.5
166	28.6	23.4	35.0

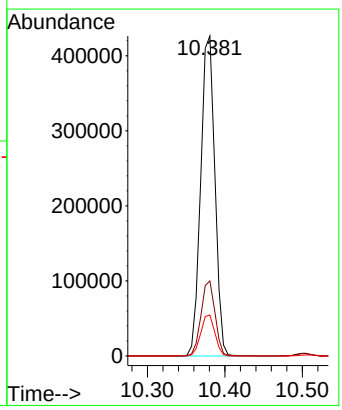


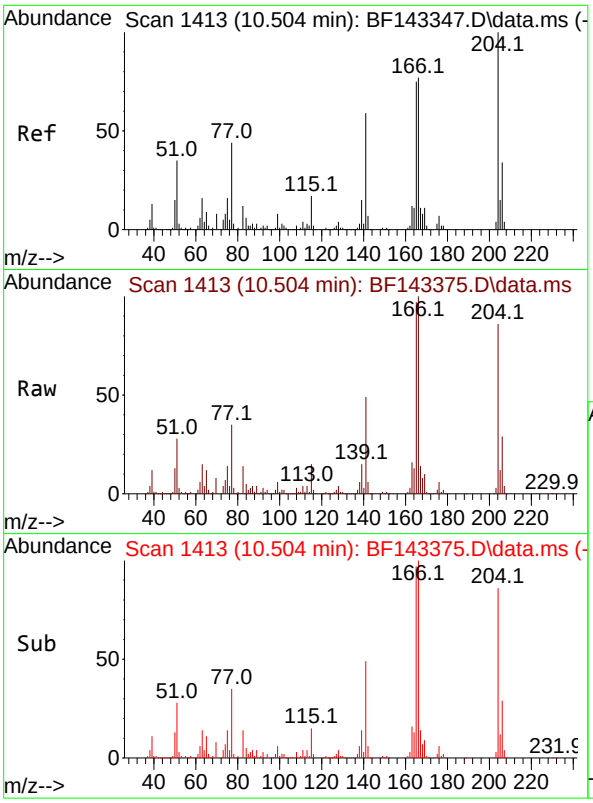


#60
Diethylphthalate
Concen: 37.021 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 542830

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.8	9.9	14.9



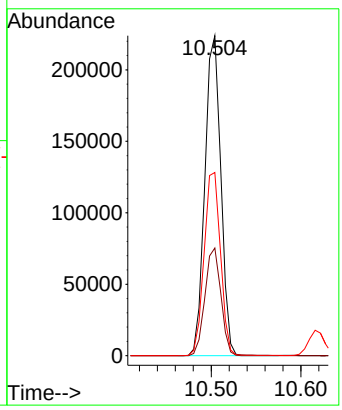


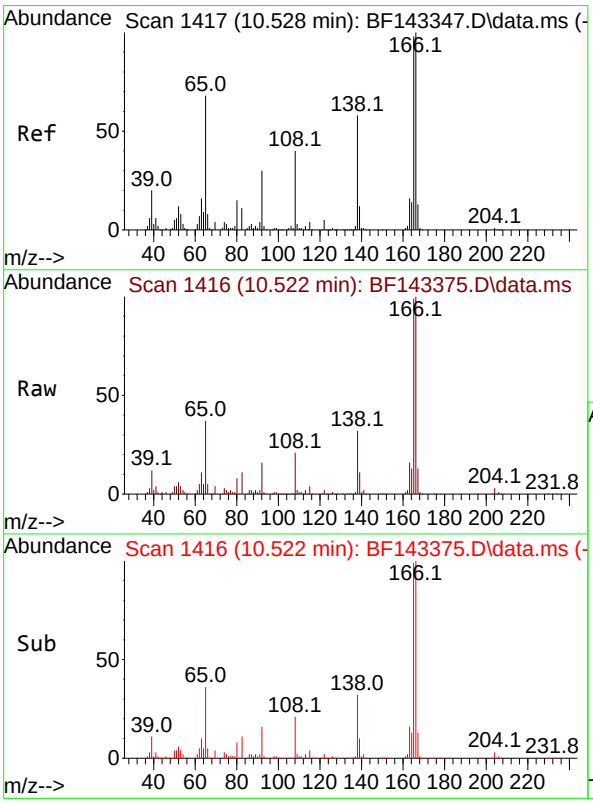
#61
4-Chlorophenyl-phenylether
Concen: 34.812 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 276957

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.4	41.2
141	57.3	46.9	70.3

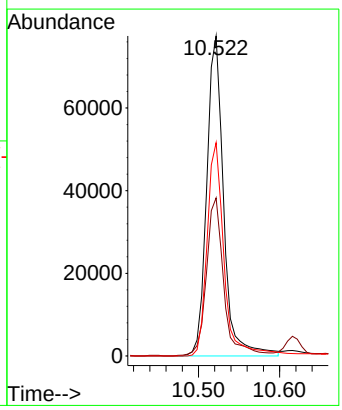


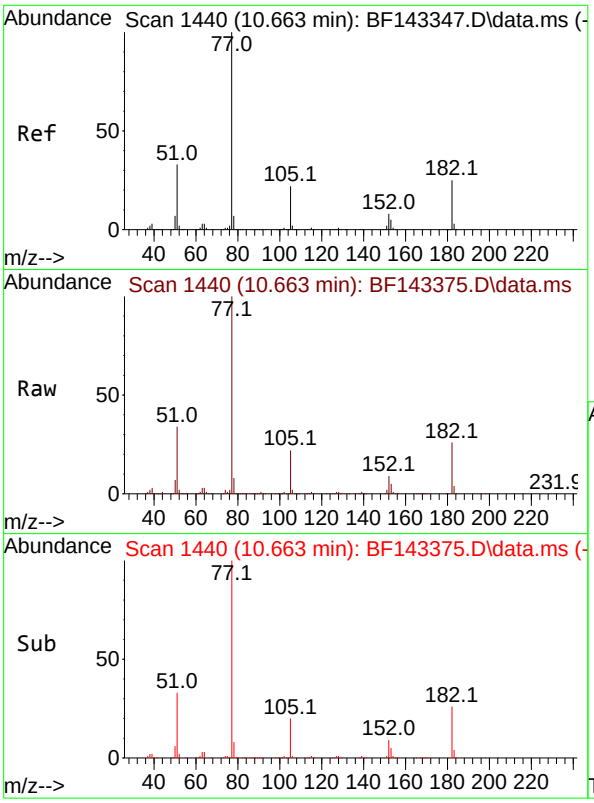


#62
4-Nitroaniline
Concen: 34.507 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:138 Resp: 111923

Ion	Ratio	Lower	Upper
138	100		
92	49.4	31.2	71.2
108	66.7	48.1	88.1



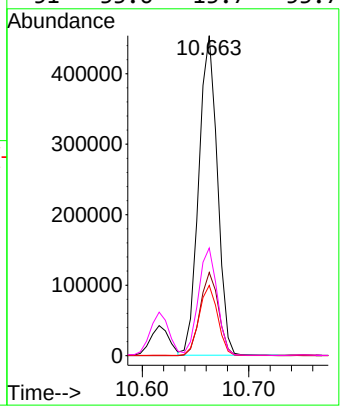


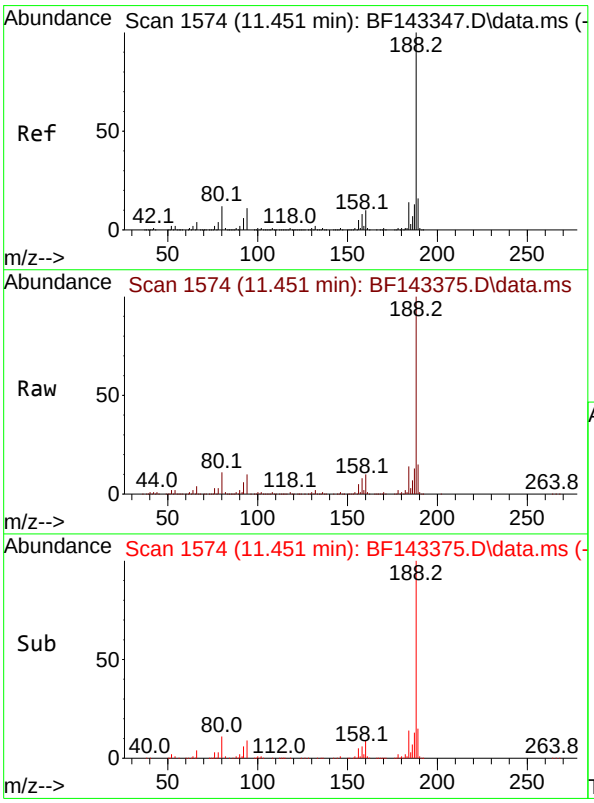
#63
Azobenzene
Concen: 32.926 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 551455

Ion	Ratio	Lower	Upper
77	100		
182	26.0	4.4	44.4
105	22.0	1.8	41.8
51	33.6	13.7	53.7

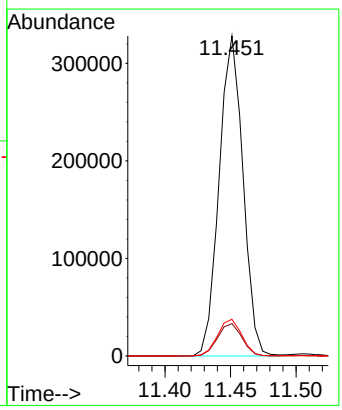


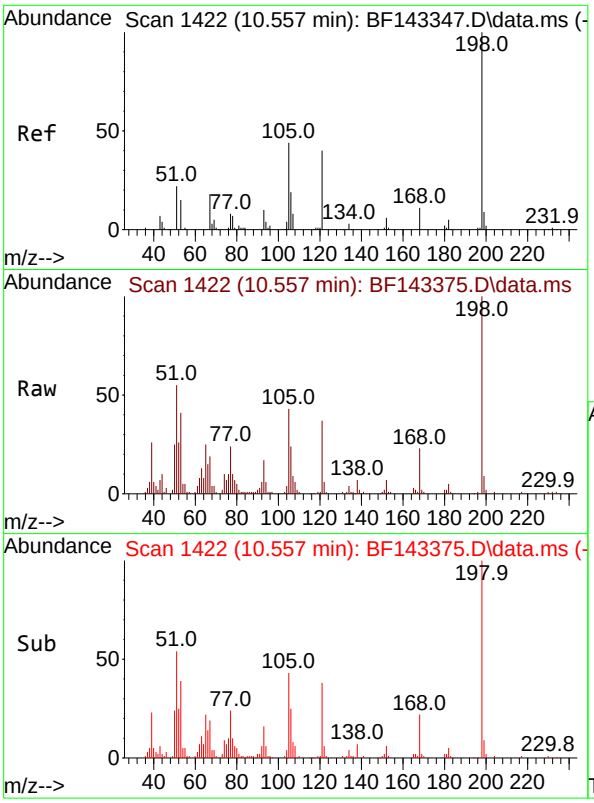


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:188 Resp: 414161

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.8	13.2
80	11.5	9.7	14.5



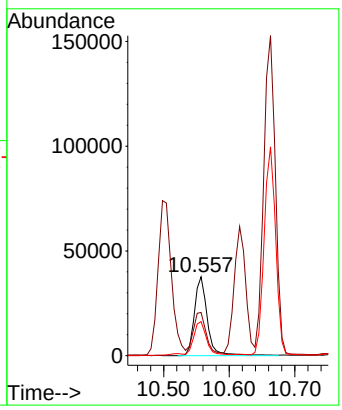


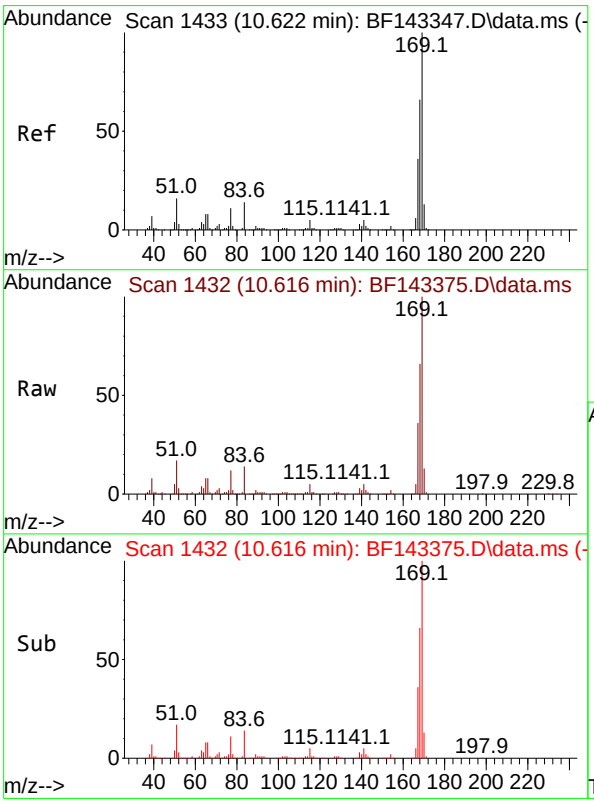
#65
4,6-Dinitro-2-methylphenol
Concen: 33.493 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 51789

Ion	Ratio	Lower	Upper
198	100		
51	54.7	41.7	81.7
105	43.1	26.8	66.8

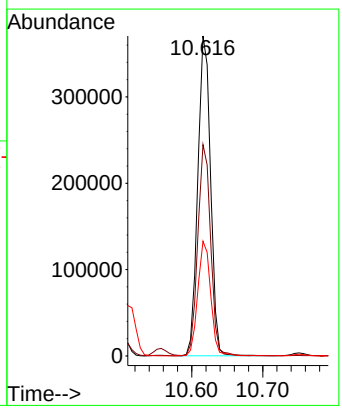


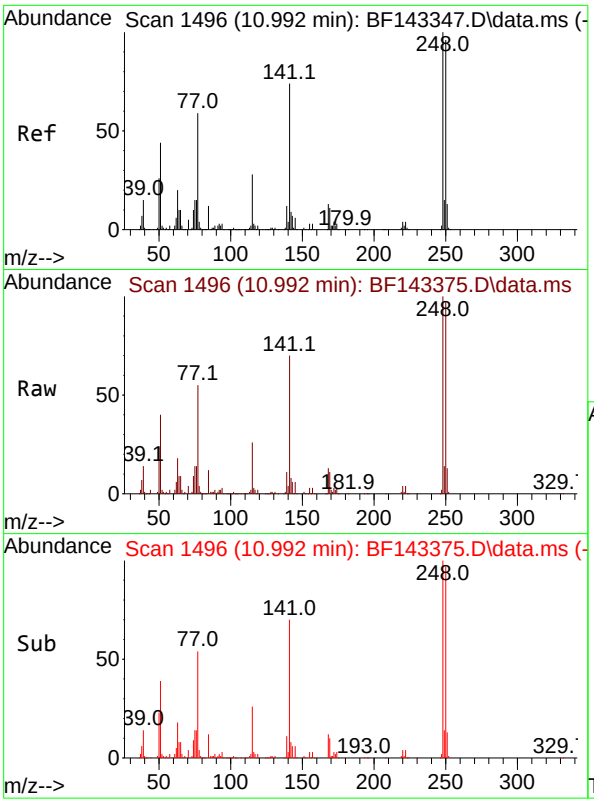


#66
n-Nitrosodiphenylamine
Concen: 33.956 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:169 Resp: 463067

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	35.9	28.6	42.8



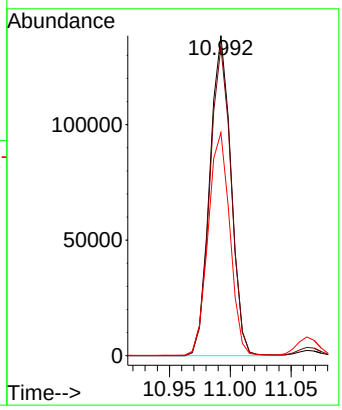


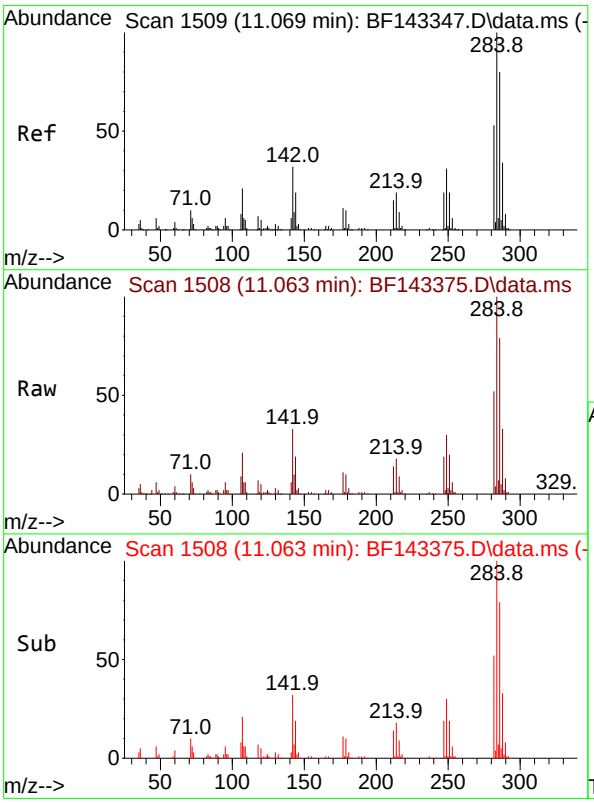
#67
4-Bromophenyl-phenylether
Concen: 35.507 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 168183

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.1	115.7
141	69.7	59.1	88.7

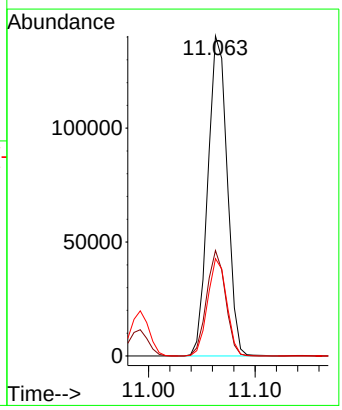


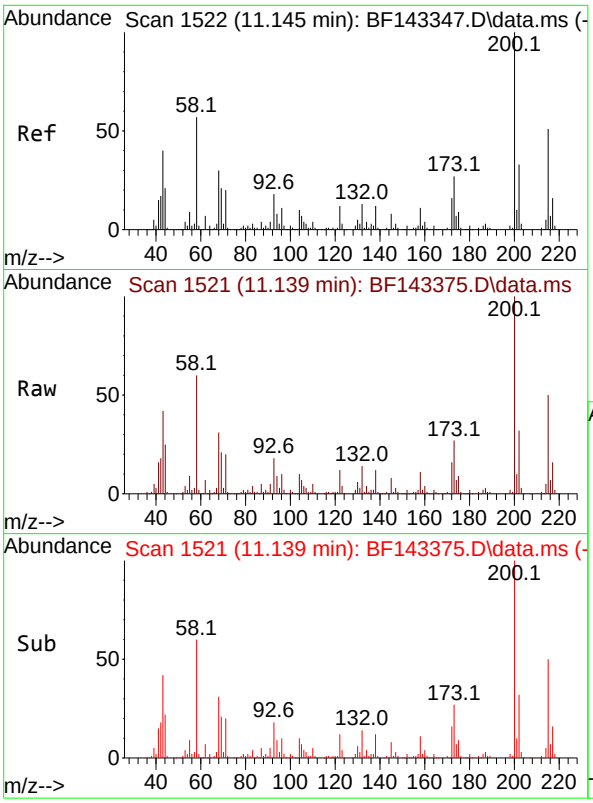


#68
Hexachlorobenzene
Concen: 34.499 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:284 Resp: 176143

Ion	Ratio	Lower	Upper
284	100		
142	33.0	25.7	38.5
249	30.4	24.6	37.0



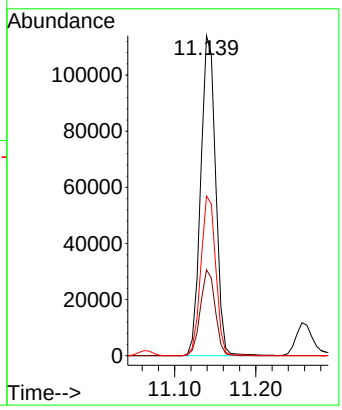


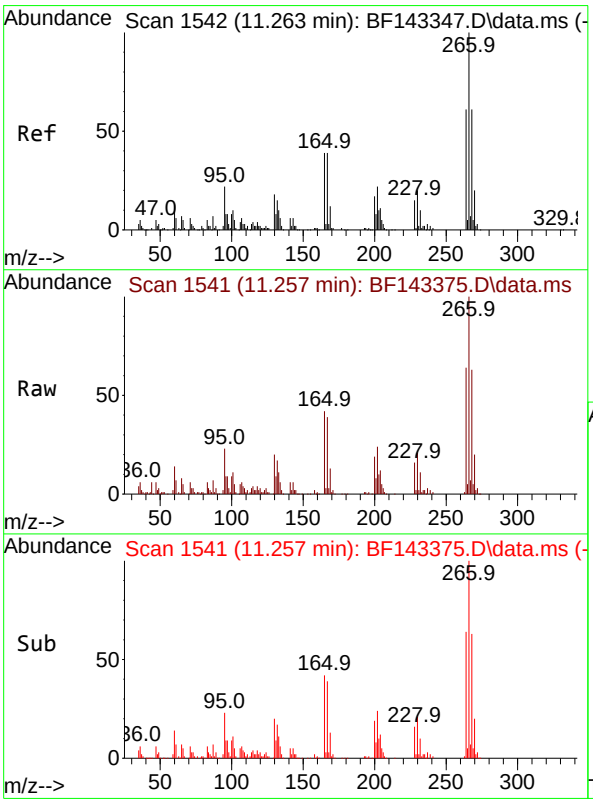
#69
Atrazine
Concen: 40.822 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 145202

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.6	46.6
215	49.9	30.6	70.6

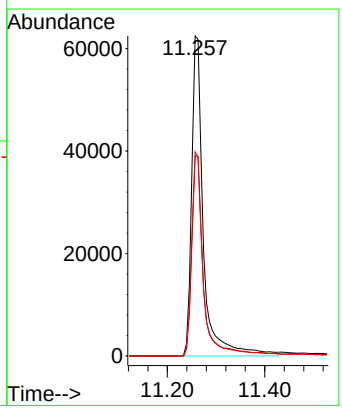


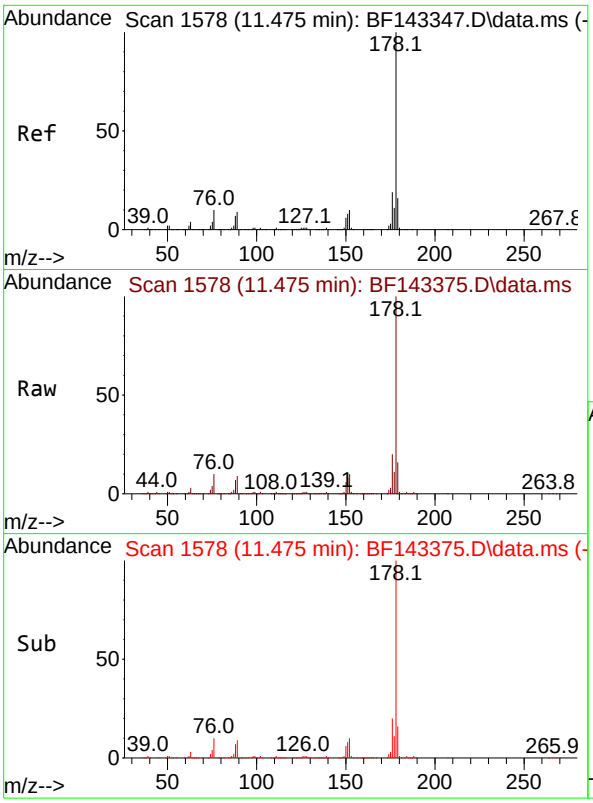


#70
Pentachlorophenol
Concen: 45.062 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:266 Resp: 105636

Ion	Ratio	Lower	Upper
266	100		
268	62.5	48.8	73.2
264	63.8	48.8	73.2



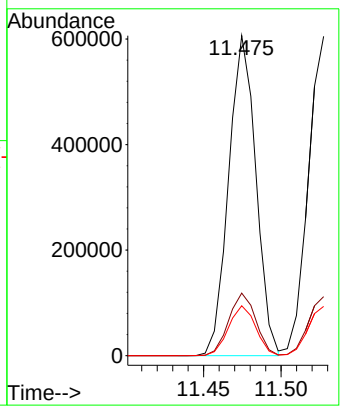


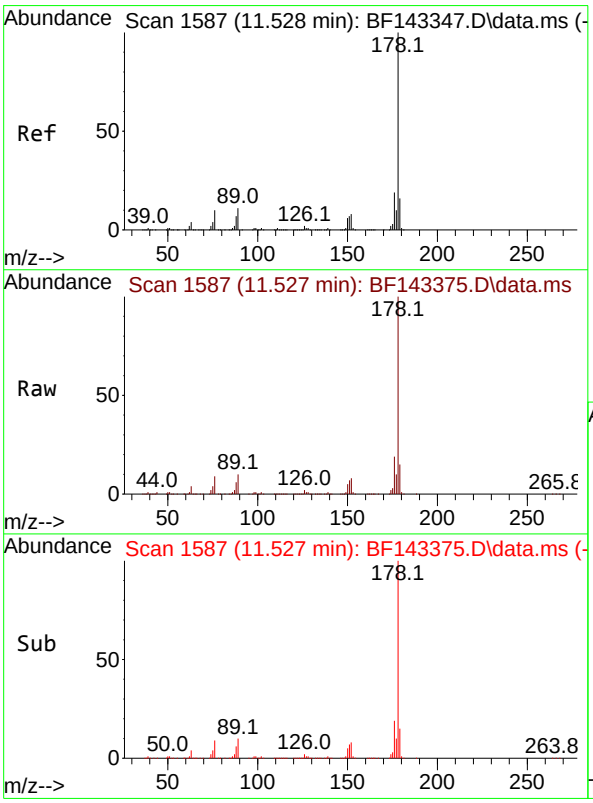
#71
Phenanthrene
Concen: 32.777 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 740641

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7

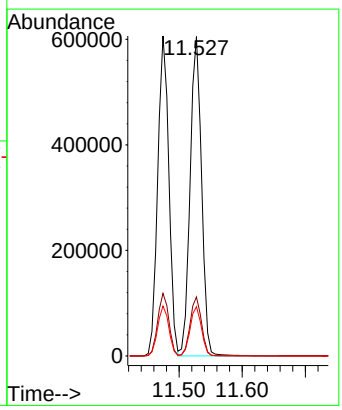


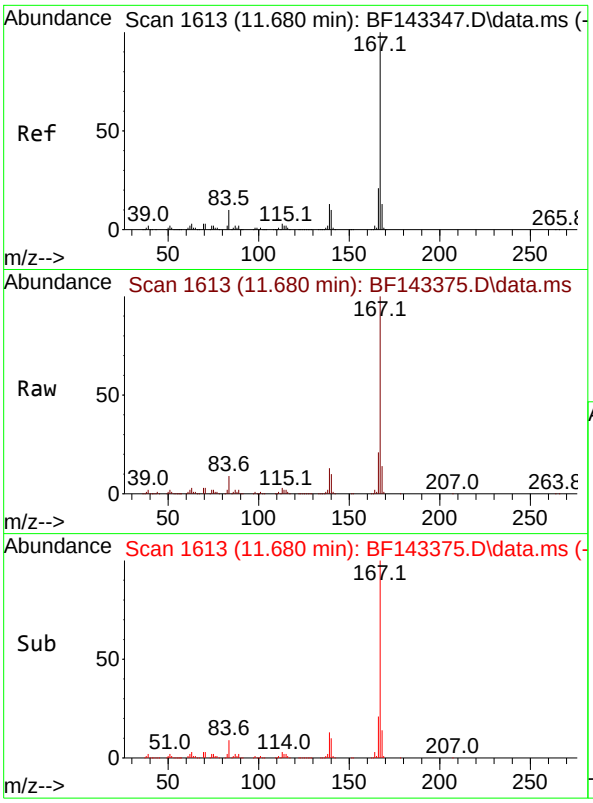


#72
Anthracene
Concen: 33.161 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:178 Resp: 759937

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.5	12.7	19.1



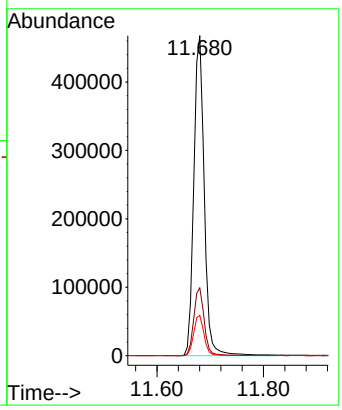


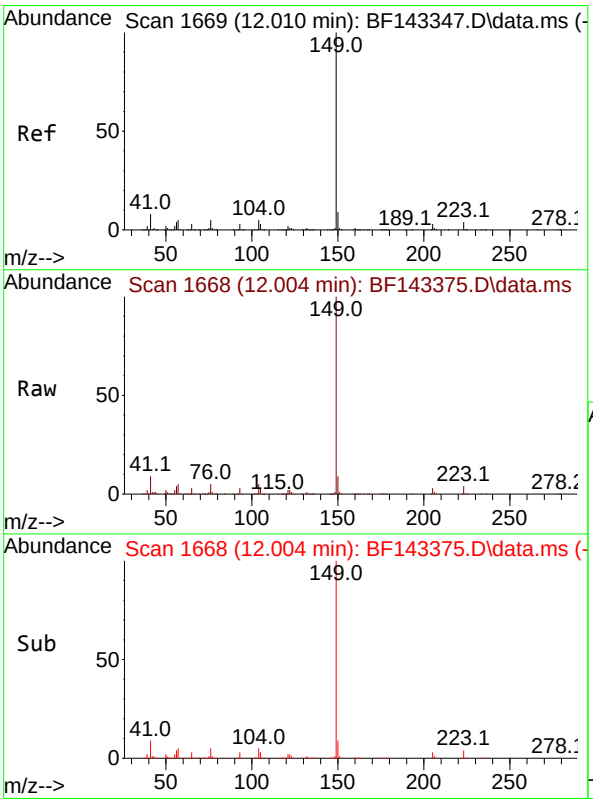
#73
Carbazole
Concen: 32.752 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 639211

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.6	10.2	15.2

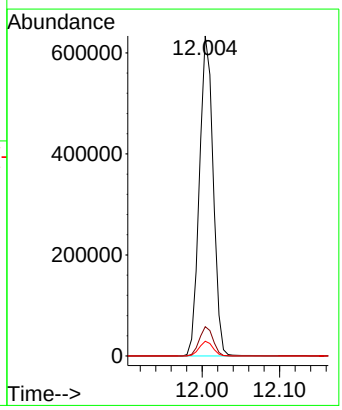


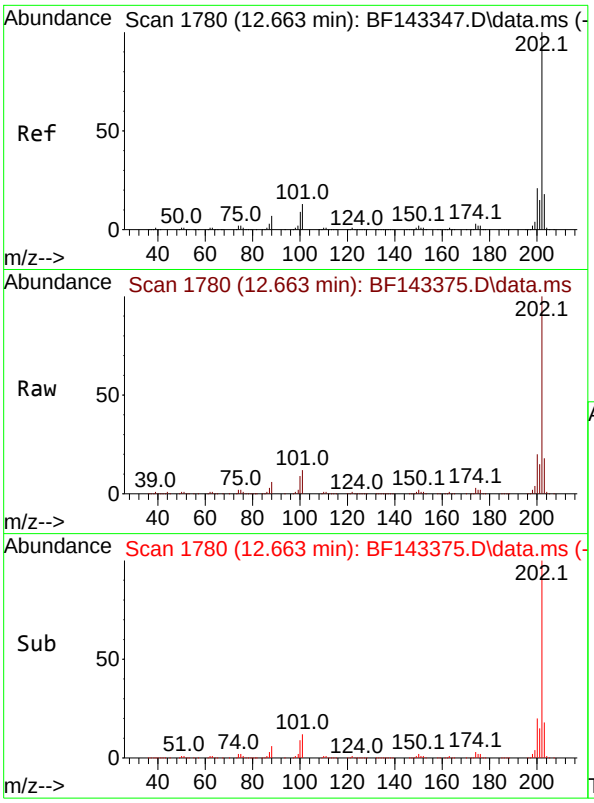


#74
Di-n-butylphthalate
Concen: 47.381 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 782503

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.6	3.8	5.8



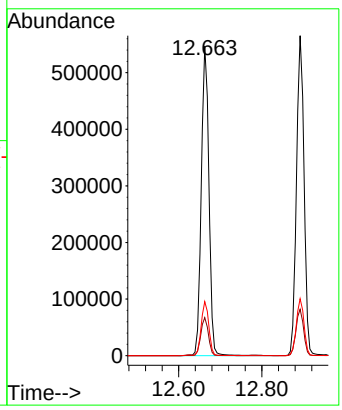


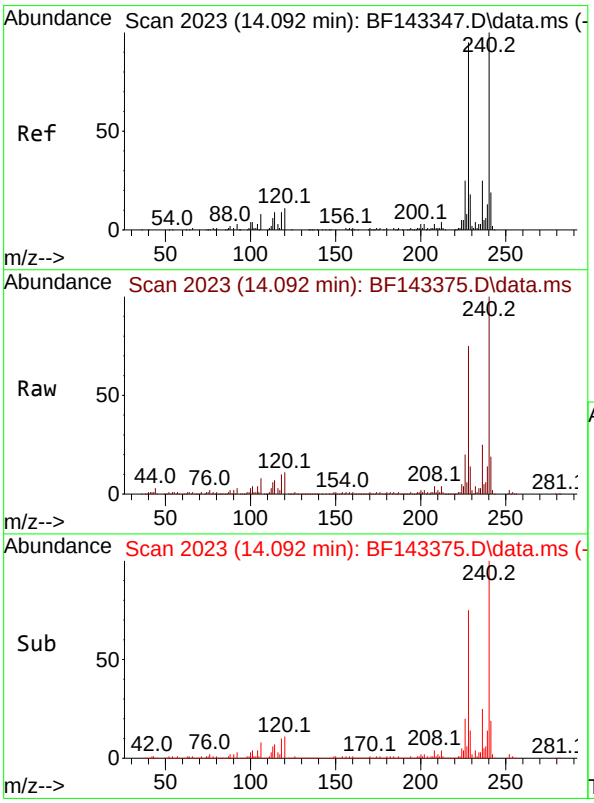
#75
Fluoranthene
Concen: 35.311 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 698921

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.5	0.0	37.6

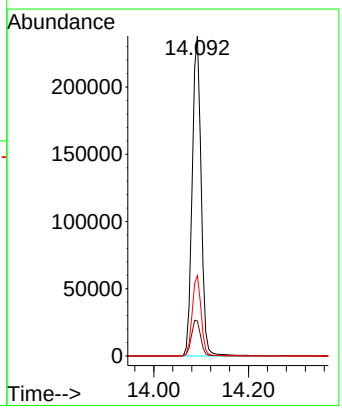


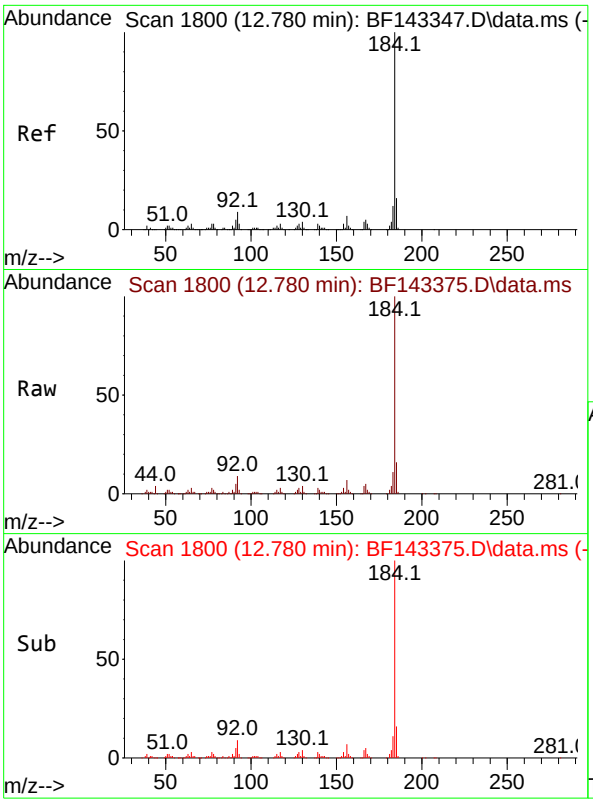


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:240 Resp: 311692

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.1	19.9	29.9



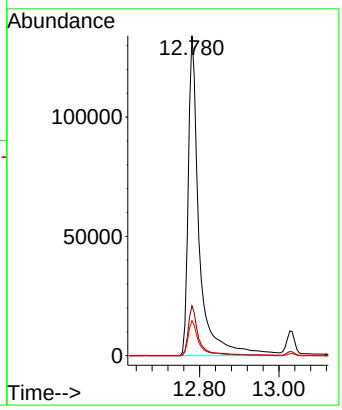


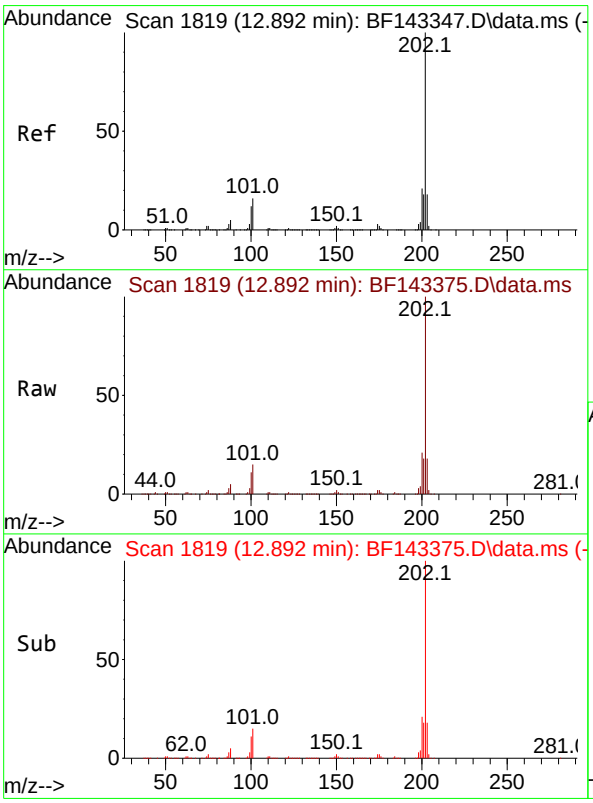
#77
Benzidine
Concen: 30.486 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 259786

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.8	19.2
183	10.9	9.3	13.9

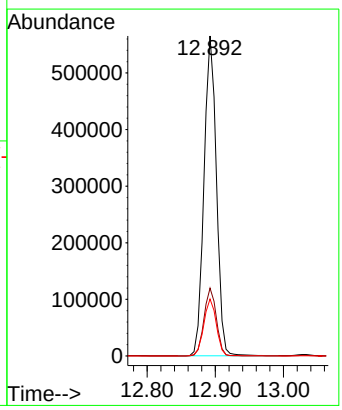


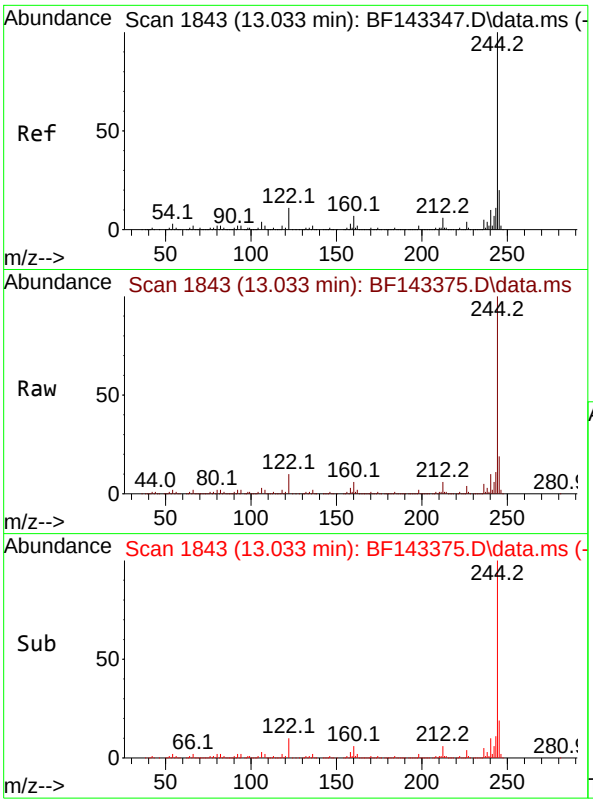


#78
Pyrene
Concen: 27.393 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:202 Resp: 716275

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.8	14.2	21.4



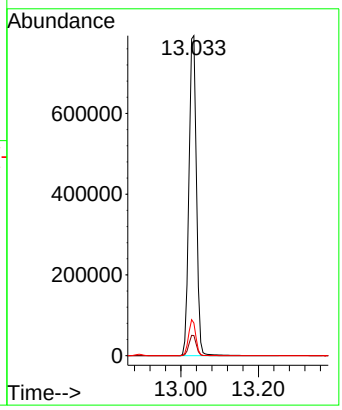


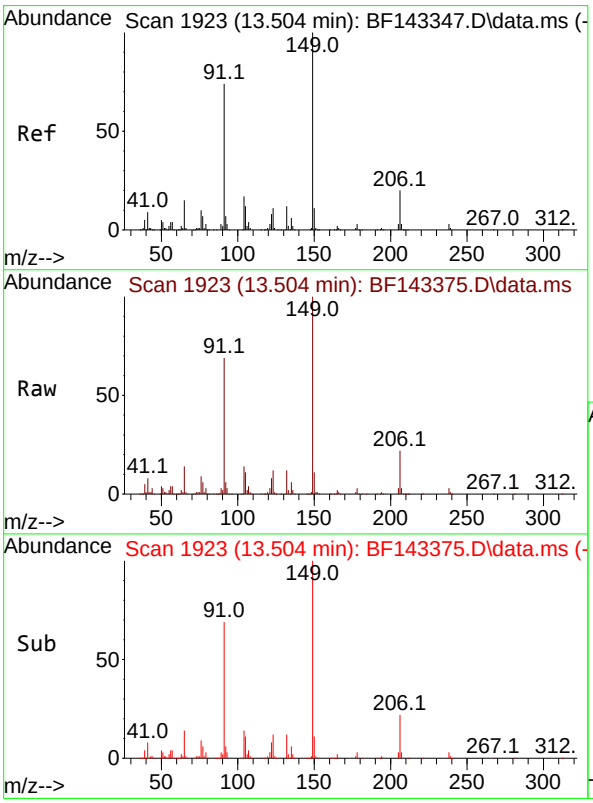
#79
Terphenyl-d14
Concen: 60.724 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1060142

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	10.2	8.9	13.3

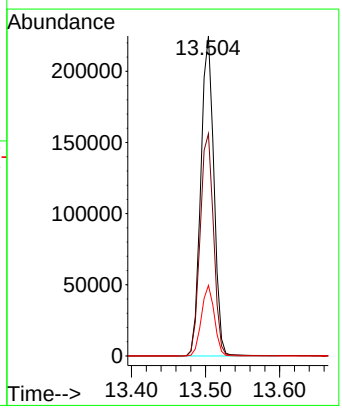


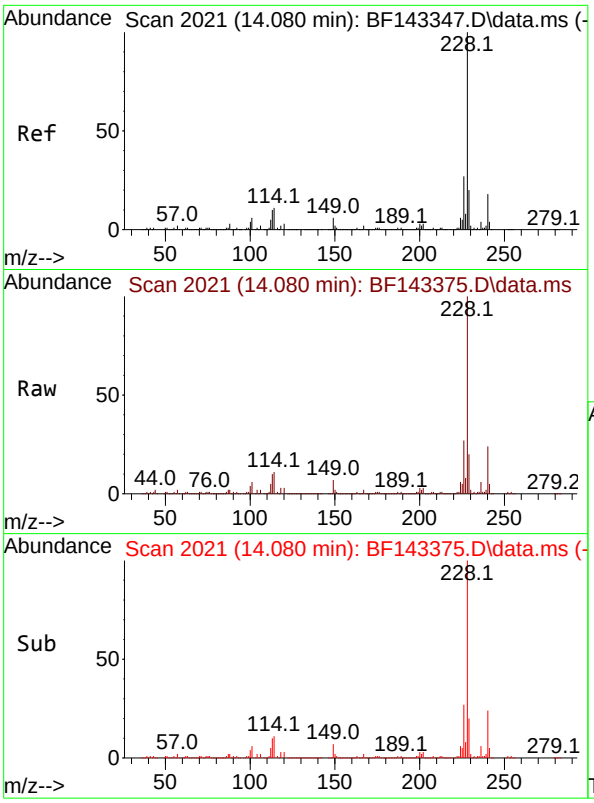


#80
Butylbenzylphthalate
Concen: 53.064 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 276153

Ion	Ratio	Lower	Upper
149	100		
91	69.4	58.8	88.2
206	22.1	16.4	24.6



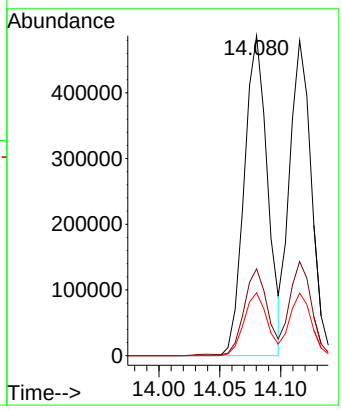


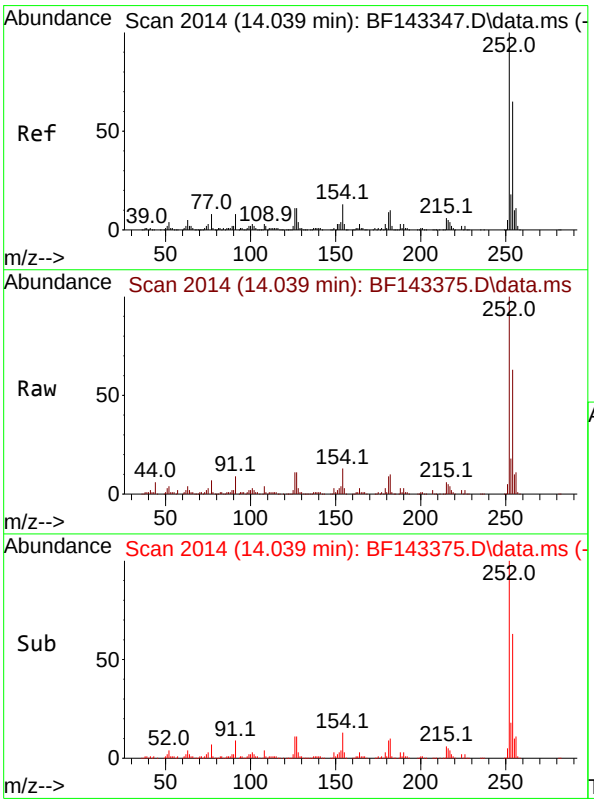
#81
Benzo(a)anthracene
Concen: 32.789 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 649572

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.6	15.8	23.8

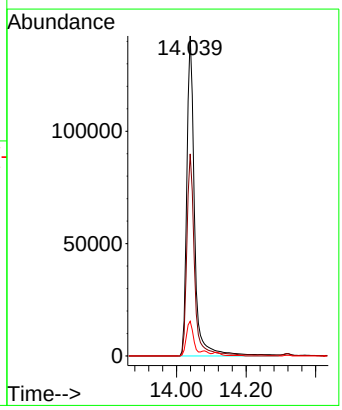


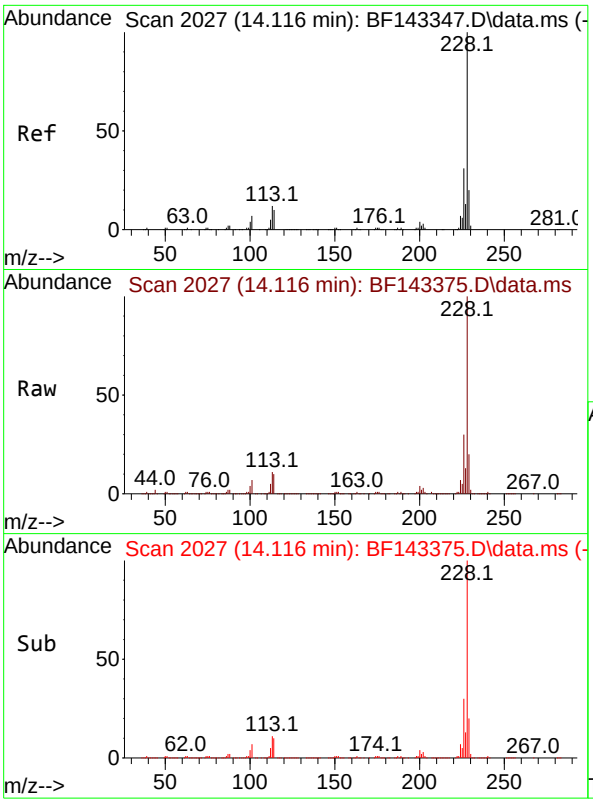


#82
3,3'-Dichlorobenzidine
Concen: 41.046 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 219574

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.7	77.5
126	10.9	9.2	13.8



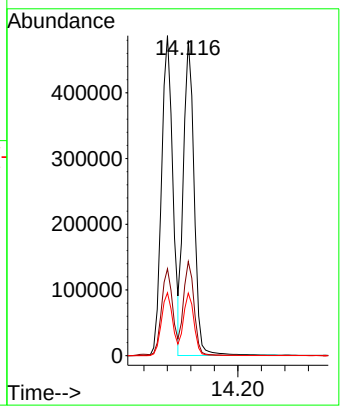


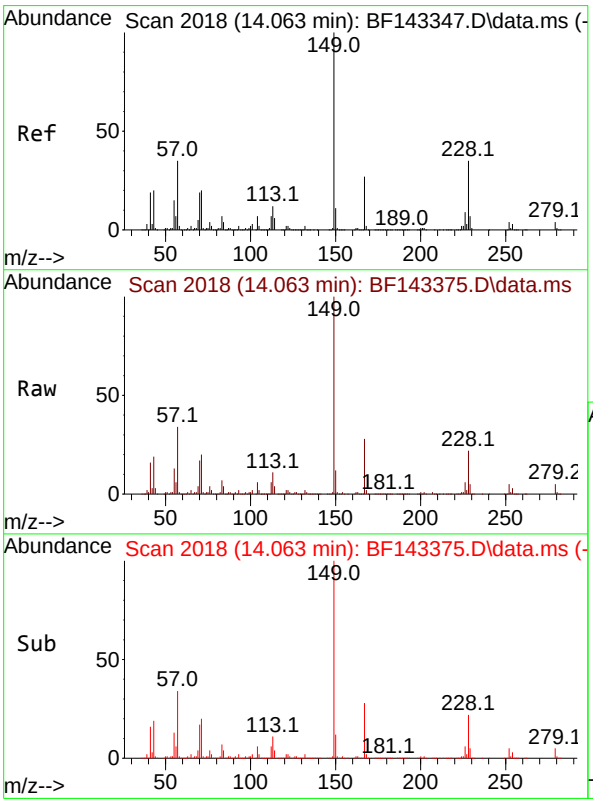
#83
Chrysene
Concen: 32.851 ng
RT: 14.116 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 606853

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.9	15.8	23.6

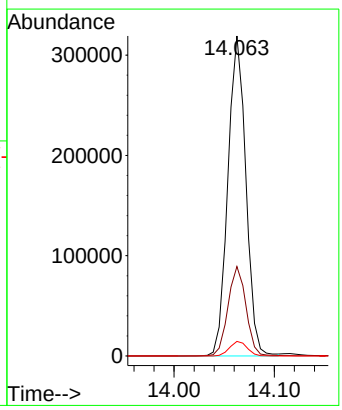


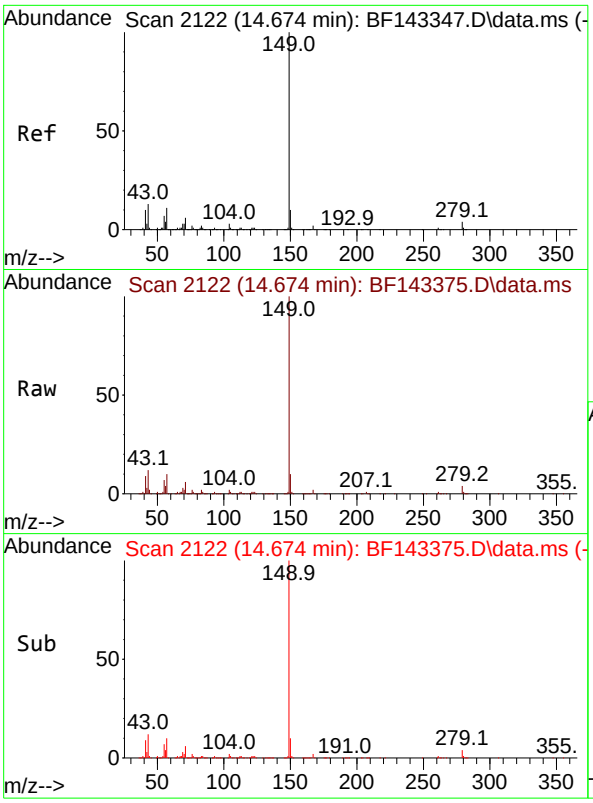


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.051 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:149 Resp: 398390

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.4	32.0
279	4.5	3.2	4.8



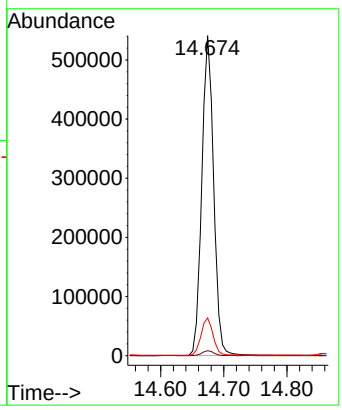


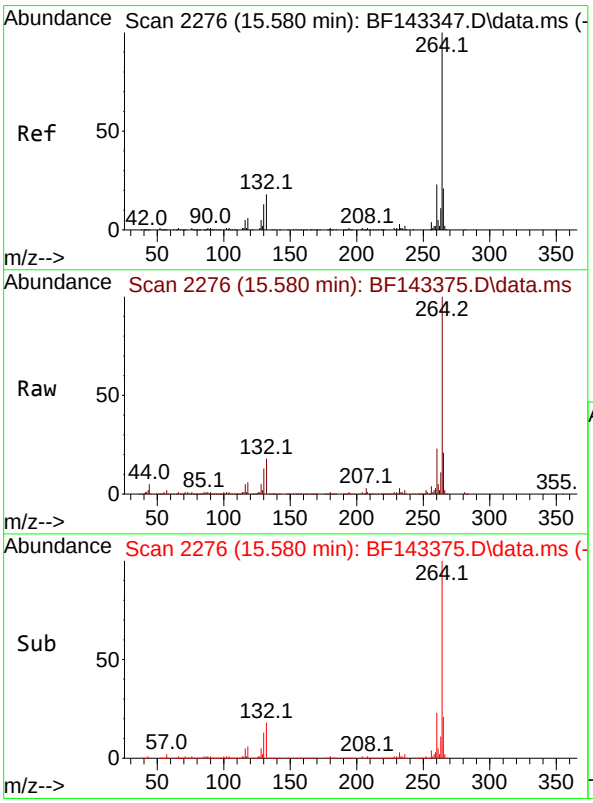
#85
Di-n-octyl phthalate
Concen: 46.796 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 705507

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	10.8	16.2

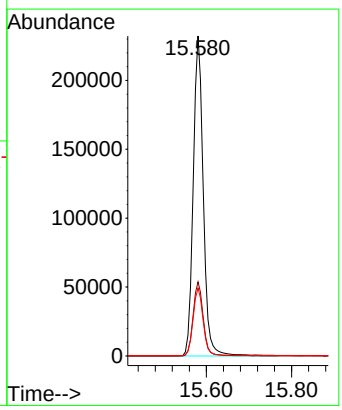


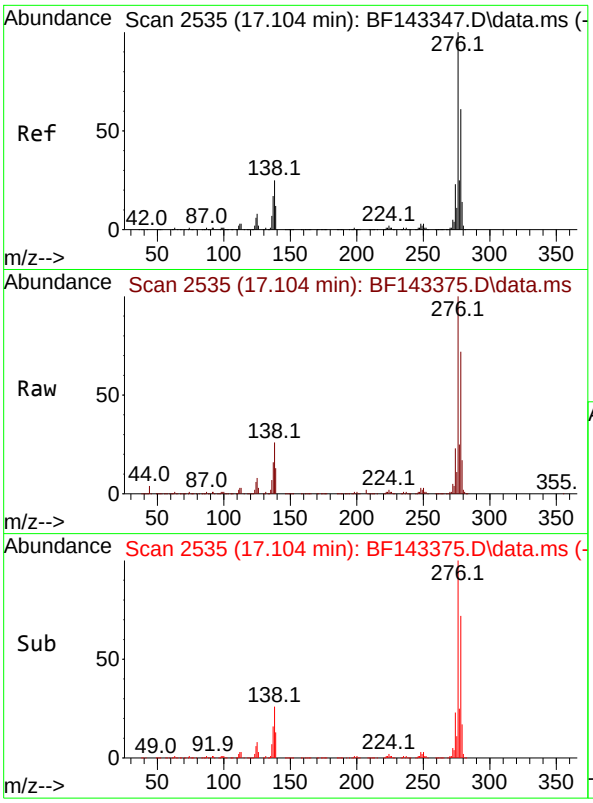


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:264 Resp: 380743

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.2	17.2	25.8



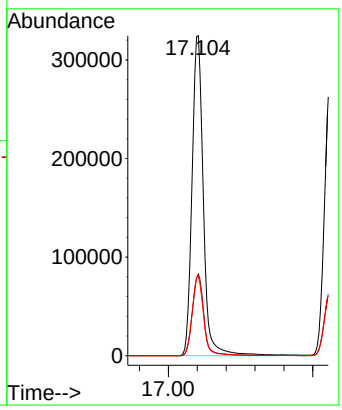


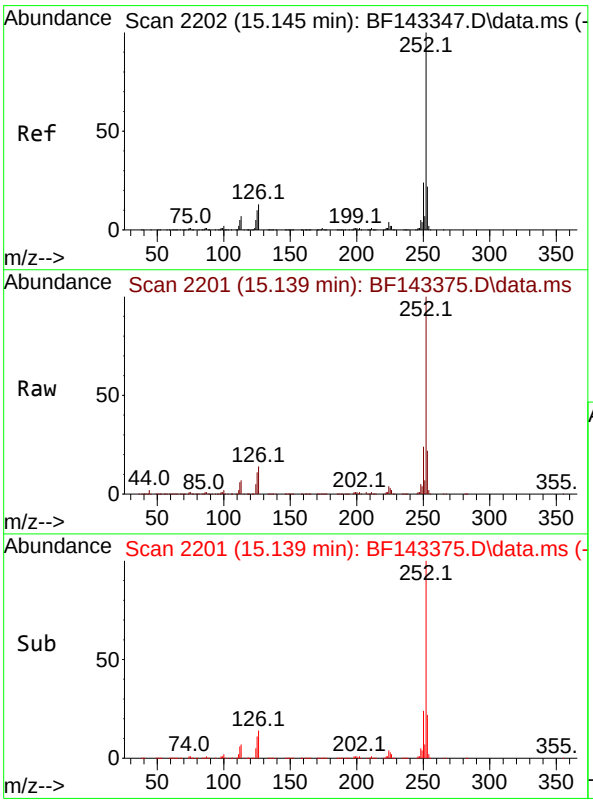
#87
Indeno(1,2,3-cd)pyrene
Concen: 32.320 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 881606

Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.1	31.7
277	25.1	20.2	30.2

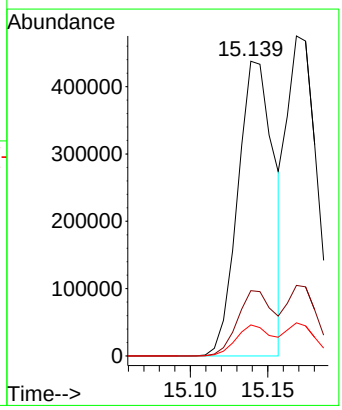


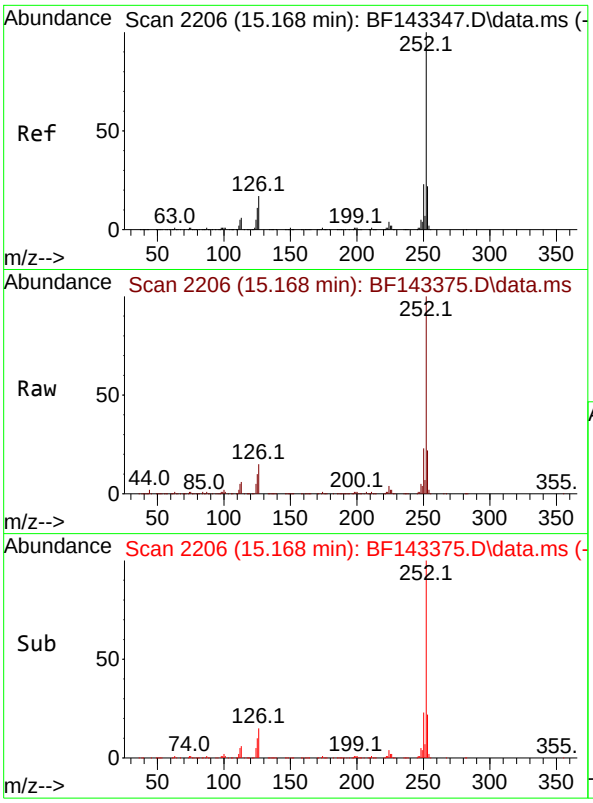


#88
Benzo(b)fluoranthene
Concen: 34.034 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 708748

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.5	7.8	11.6



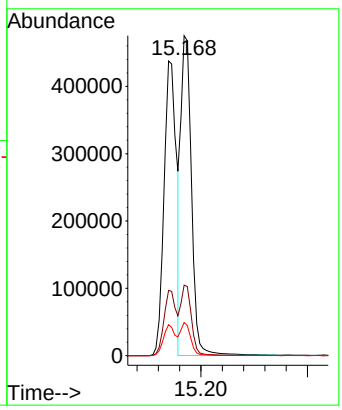


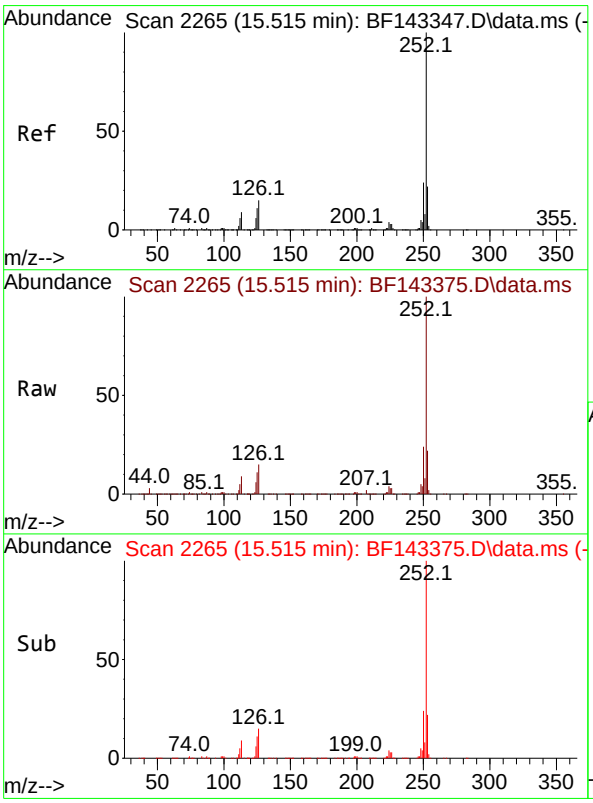
#89
Benzo(k)fluoranthene
Concen: 32.696 ng
RT: 15.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 661612

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.3	8.4	12.6

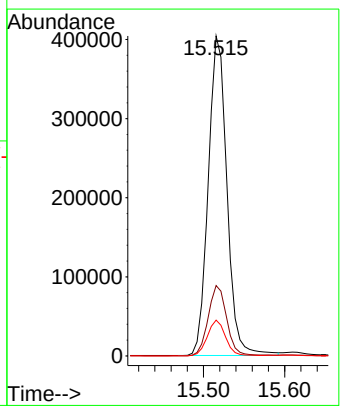


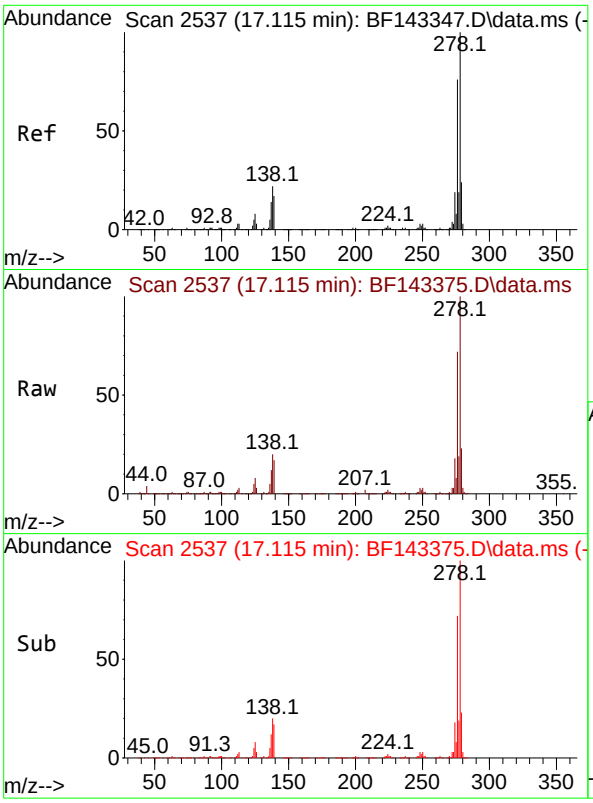


#90
Benzo(a)pyrene
Concen: 32.951 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:252 Resp: 646299

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.2	9.1	13.7



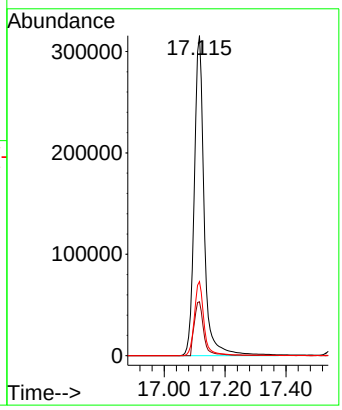


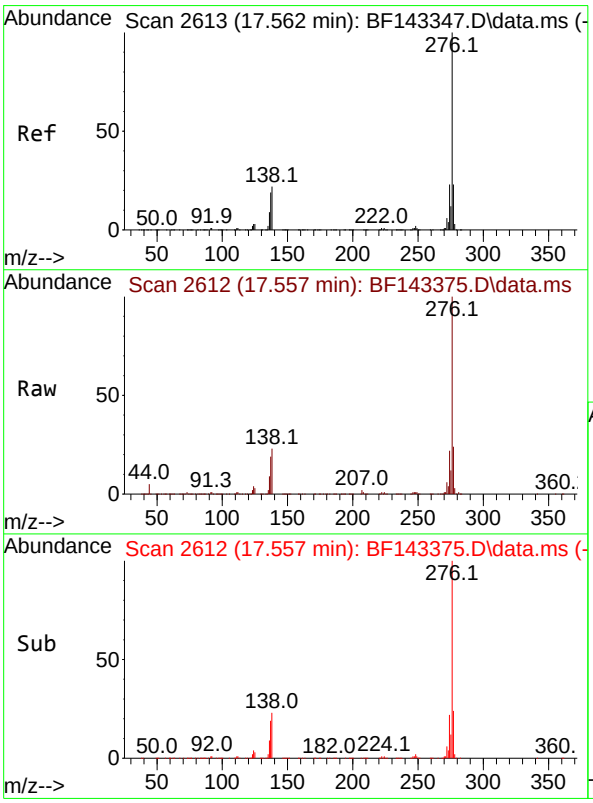
#91
Dibenzo(a,h)anthracene
Concen: 32.740 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 713480

Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.0	21.0
279	23.1	19.4	29.0

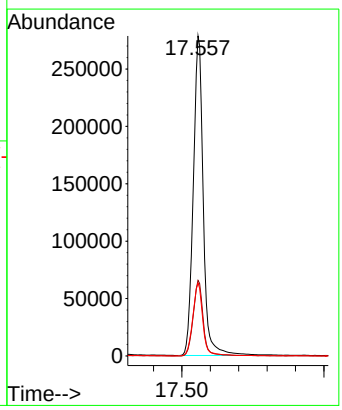




#92
Benzo(g,h,i)perylene
Concen: 30.998 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143375.D
Acq: 13 Aug 2025 15:41

Tgt Ion:276 Resp: 680499

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.8	17.8	26.8



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	160859	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	694615	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	469306	20.000	ng		-0.01
64) Phenanthrene-d10	17.207	188	965802	20.000	ng		-0.02
76) Chrysene-d12	21.660	240	1018856	20.000	ng		0.00
86) Perylene-d12	25.036	264	1088697	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	100387	9.973	ng		0.00
7) Phenol-d6	6.955	99	127649	9.613	ng		-0.01
23) Nitrobenzene-d5	8.931	82	112678	8.777	ng		-0.01
42) 2,4,6-Tribromophenol	15.919	330	40199	8.296	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	363946	10.769	ng		0.00
79) Terphenyl-d14	19.930	244	580916	10.771	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	21535	5.456	ng		94
3) Pyridine	3.725	79	55019	5.017	ng		97
4) n-Nitrosodimethylamine	3.637	42	26090	5.125	ng	#	91
6) Aniline	7.125	93	87740	4.856	ng		98
8) 2-Chlorophenol	7.366	128	50305	4.595	ng		98
9) Benzaldehyde	6.943	77	48928	5.234	ng		95
10) Phenol	6.984	94	68139	4.838	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	55859	5.062	ng		99
12) 1,3-Dichlorobenzene	7.696	146	63992	5.202	ng		98
13) 1,4-Dichlorobenzene	7.837	146	64858	5.212	ng		99
14) 1,2-Dichlorobenzene	8.149	146	62802	5.209	ng		98
15) Benzyl Alcohol	8.025	79	46603	4.568	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	91371	5.242	ng		97
17) 2-Methylphenol	8.219	107	43943	4.663	ng		99
18) Hexachloroethane	8.872	117	22659	5.091	ng		99
19) n-Nitroso-di-n-propyla...	8.590	70	44357	5.129	ng		95
20) 3+4-Methylphenols	8.543	107	59020	4.548	ng		99
22) Acetophenone	8.602	105	91026	5.220	ng	#	99
24) Nitrobenzene	8.972	77	54037	4.553	ng		95
25) Isophorone	9.502	82	126178	5.056	ng		100
26) 2-Nitrophenol	9.684	139	14308	6.196	ng		96
27) 2,4-Dimethylphenol	9.743	122	65928	5.730	ng		98
28) bis(2-Chloroethoxy)met...	9.978	93	79327	5.225	ng		99
29) 2,4-Dichlorophenol	10.213	162	43275	4.296	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	56908	5.120	ng		95
31) Naphthalene	10.619	128	189737	5.262	ng		98
32) Benzoic acid	9.743	122	65928	16.679	ng	#	13
33) 4-Chloroaniline	10.713	127	77884	4.856	ng		97
34) Hexachlorobutadiene	10.913	225	33118	5.191	ng		96
35) Caprolactam	11.448	113	16635	4.247	ng		97
36) 4-Chloro-3-methylphenol	11.825	107	53910	4.625	ng		96
37) 2-Methylnaphthalene	12.225	142	120994	5.184	ng		98
38) 1-Methylnaphthalene	12.443	142	128838	5.290	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	64686	5.049	ng		99
41) Hexachlorocyclopentadiene	12.584	237	33816	4.276	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	32753	3.957	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	36376	3.918	ng		98
46) 1,1'-Biphenyl	13.237	154	178122	5.150	ng		99
47) 2-Chloronaphthalene	13.278	162	133568	5.062	ng		98
48) 2-Nitroaniline	13.466	65	21912	5.624	ng		98
49) Acenaphthylene	14.125	152	218072	4.955	ng		99
50) Dimethylphthalate	13.860	163	178572	5.220	ng		100
51) 2,6-Dinitrotoluene	13.972	165	20906	3.313	ng		98
52) Acenaphthene	14.472	154	136584	5.088	ng		99
53) 3-Nitroaniline	14.295	138	25435	3.445	ng	#	96
54) 2,4-Dinitrophenol	14.501	184	6732	5.889	ng	#	59
55) Dibenzofuran	14.813	168	211708	5.277	ng		100
56) 4-Nitrophenol	14.595	139	20054	3.077	ng		94
57) 2,4-Dinitrotoluene	14.760	165	24944	5.632	ng	#	93
58) Fluorene	15.472	166	175964	5.584	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.954	232	29157	3.737	ng		94
60) Diethylphthalate	15.248	149	178152	5.165	ng		100
61) 4-Chlorophenyl-phenyle...	15.466	204	84717	5.671	ng		98
62) 4-Nitroaniline	15.466	138	26612	3.637	ng		93
63) Azobenzene	15.766	77	165659	5.170	ng		97
65) 4,6-Dinitro-2-methylph...	15.531	198	8759	7.241	ng		86
66) n-Nitrosodiphenylamine	15.684	169	146252	4.973	ng		98
67) 4-Bromophenyl-phenylether	16.384	248	48376	4.978	ng		89
68) Hexachlorobenzene	16.495	284	56081	5.143	ng		97
69) Atrazine	16.660	200	48622	4.702	ng		99
70) Pentachlorophenol	16.842	266	24076	3.466	ng		96
71) Phenanthrene	17.254	178	280407	5.301	ng		99
72) Anthracene	17.348	178	266474	4.996	ng		99
73) Carbazole	17.619	167	256385	5.008	ng		99
74) Di-n-butylphthalate	18.225	149	289176	4.669	ng		99
75) Fluoranthene	19.336	202	318877	5.207	ng		99
77) Benzidine	19.530	184	164483	4.460	ng		99
78) Pyrene	19.713	202	336486	4.966	ng		100
80) Butylbenzylphthalate	20.677	149	101682	3.701	ng		100
81) Benzo(a)anthracene	21.636	228	342927	5.065	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	104928	4.392	ng		99
83) Chrysene	21.707	228	320171	5.098	ng		100
84) Bis(2-ethylhexyl)phtha...	21.607	149	187300	4.269	ng		100
85) Di-n-octyl phthalate	22.907	149	263552	3.589	ng		98
87) Indeno(1,2,3-cd)pyrene	28.865	276	316477	4.050	ng		94
88) Benzo(b)fluoranthene	23.960	252	321726	4.937	ng		99
89) Benzo(k)fluoranthene	24.030	252	324095	5.016	ng		99
90) Benzo(a)pyrene	24.860	252	303778	4.840	ng		99
91) Dibenzo(a,h)anthracene	28.959	278	308846	4.833	ng		99
92) Benzo(g,h,i)perylene	30.042	276	306565	4.886	ng		98

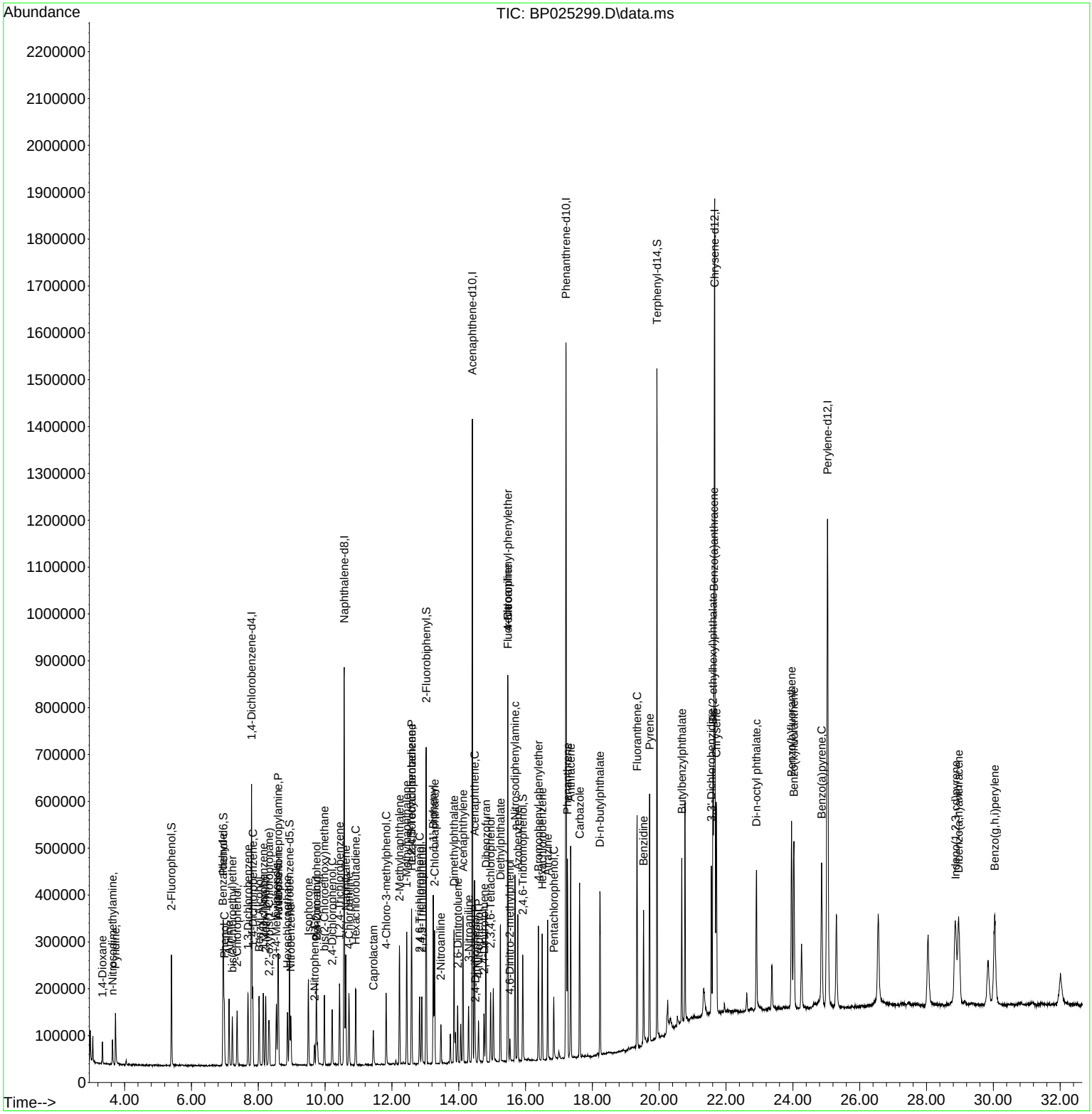
(#) = qualifier out of range (m) = manual integration (+) = signals summed

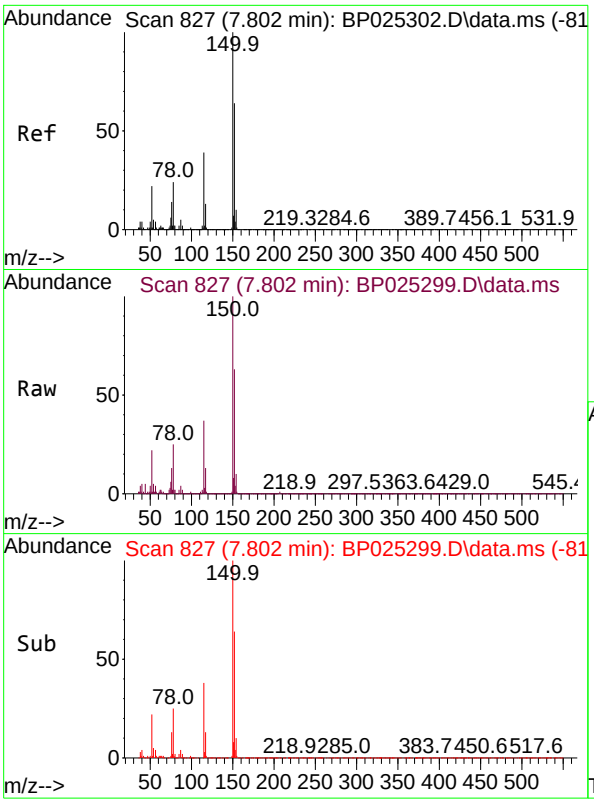
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025299.D
Acq On : 05 Aug 2025 12:44
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 06 05:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



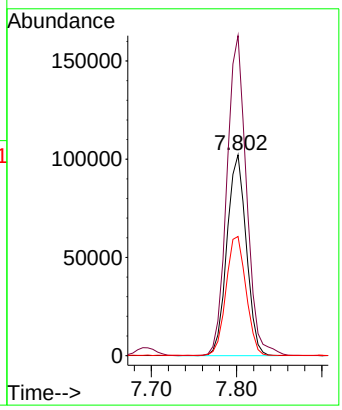


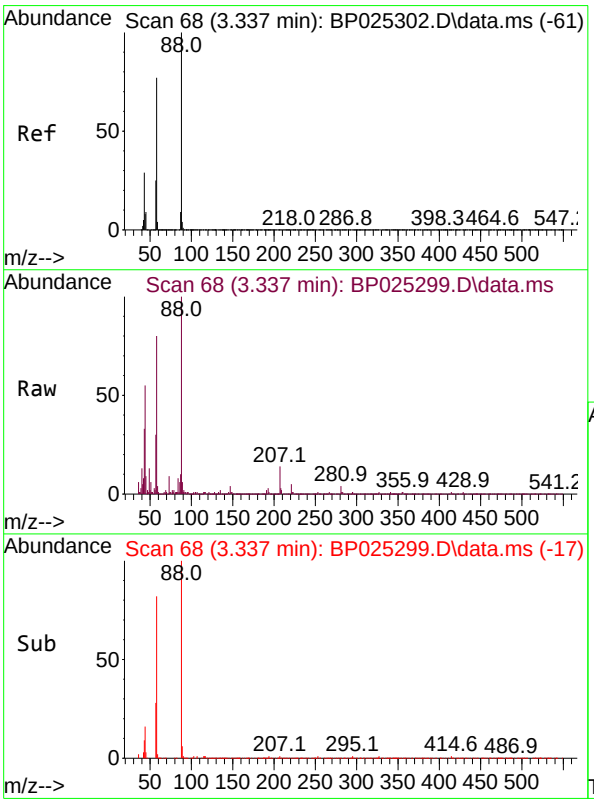
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 160859

Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.1	187.7
115	59.3	48.4	72.6

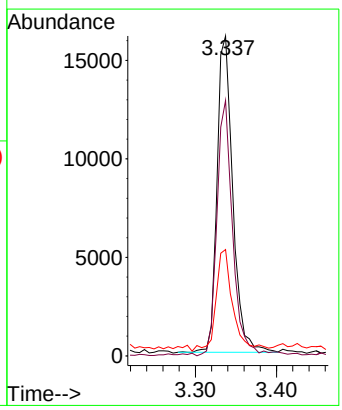


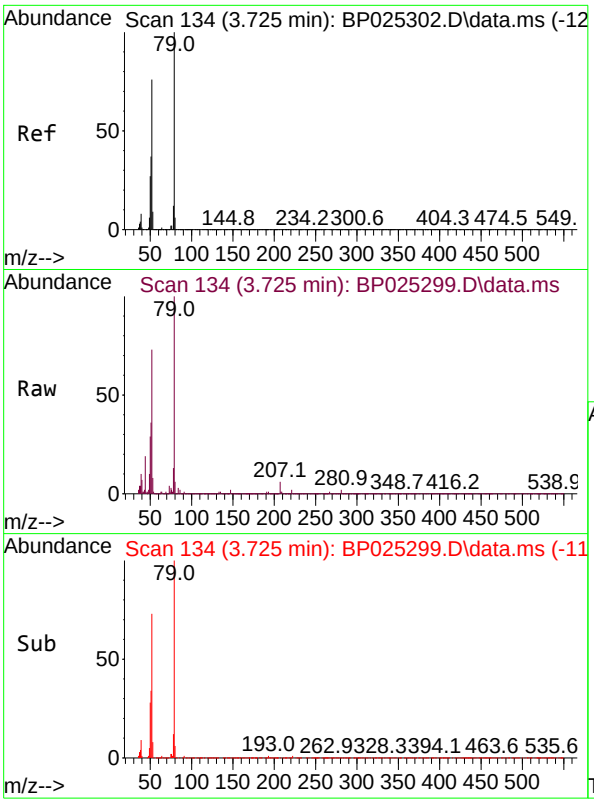


#2
1,4-Dioxane
Concen: 5.456 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 88 Resp: 21535

Ion	Ratio	Lower	Upper
88	100		
58	82.2	61.9	92.9
43	35.0	24.2	36.2



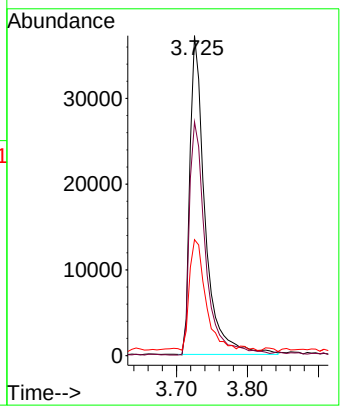


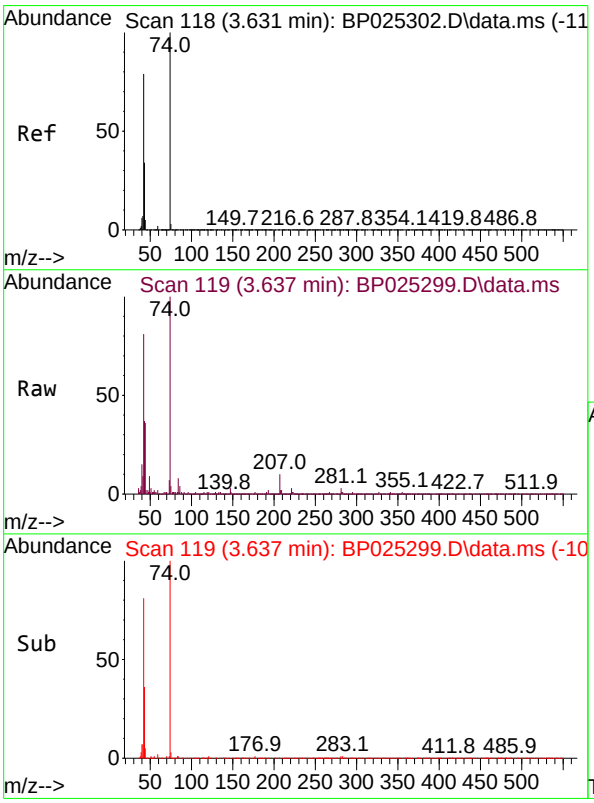
#3
Pyridine
Concen: 5.017 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 55019

Ion	Ratio	Lower	Upper
79	100		
52	73.0	60.5	90.7
51	36.2	30.2	45.2

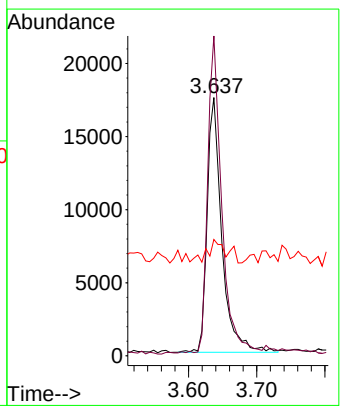


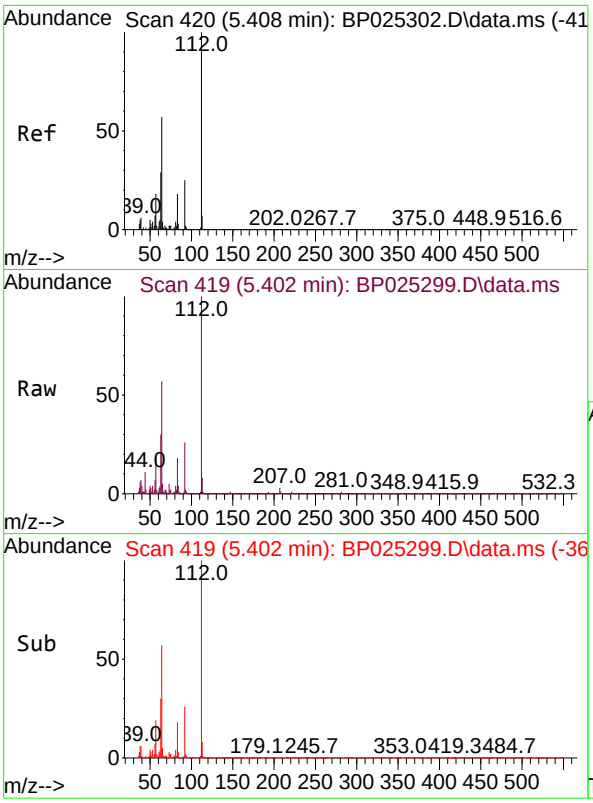


#4
n-Nitrosodimethylamine
Concen: 5.125 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 42 Resp: 26090

Ion	Ratio	Lower	Upper
42	100		
74	123.9	101.4	152.2
44	45.1	7.6	11.4#



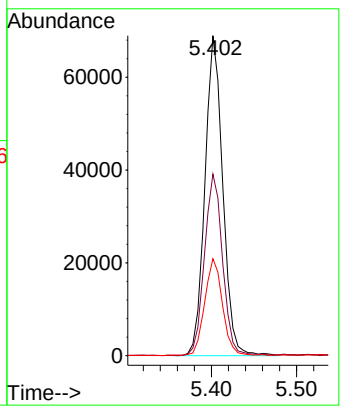


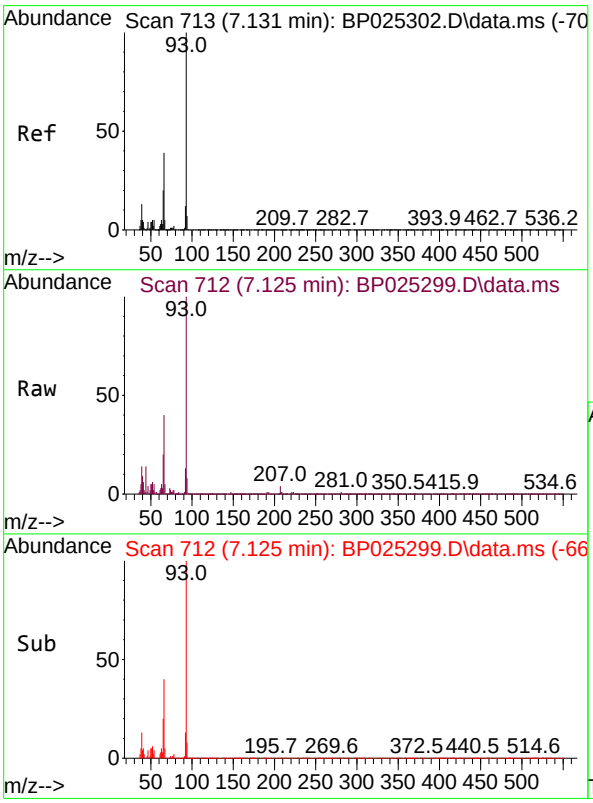
#5
2-Fluorophenol
Concen: 9.973 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 100387

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.3	67.9
63	30.3	23.0	34.6

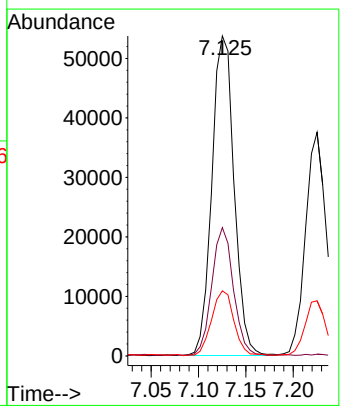


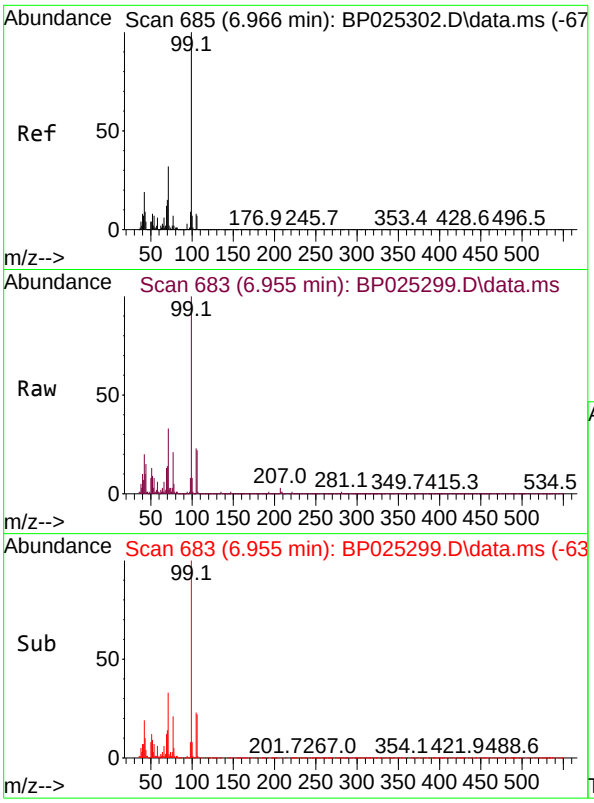


#6
Aniline
Concen: 4.856 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 87740

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.1	46.7
65	20.3	15.8	23.8



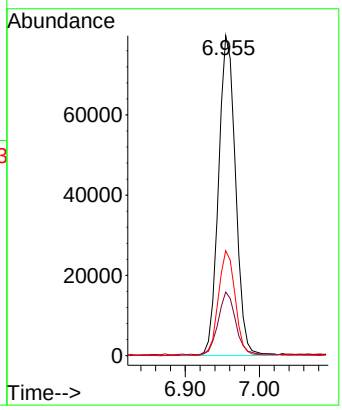


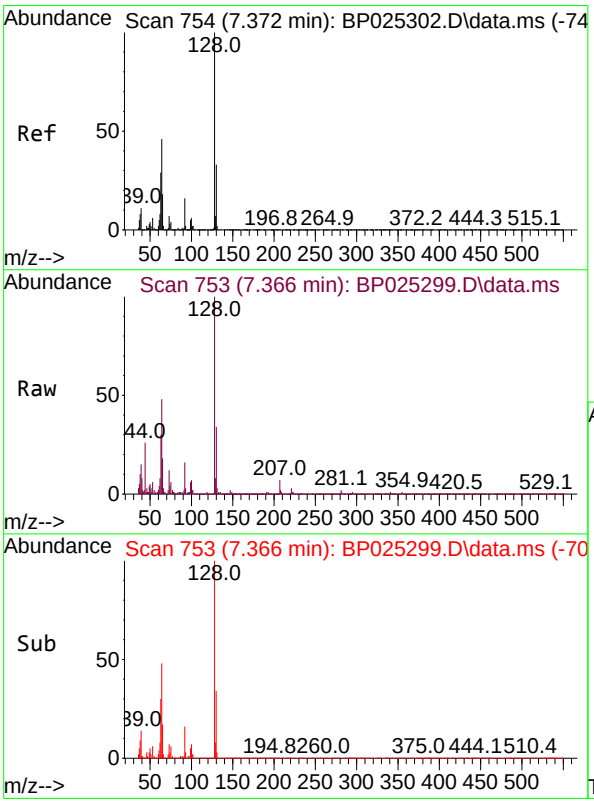
#7
Phenol-d6
Concen: 9.613 ng
RT: 6.955 min Scan# 68
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 127649

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.0	22.6
71	32.8	25.5	38.3

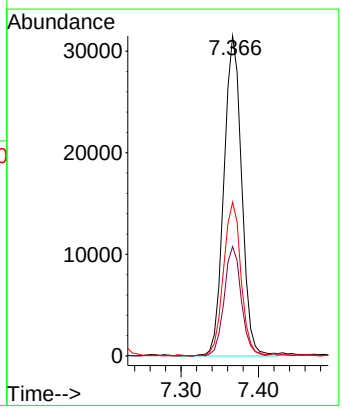


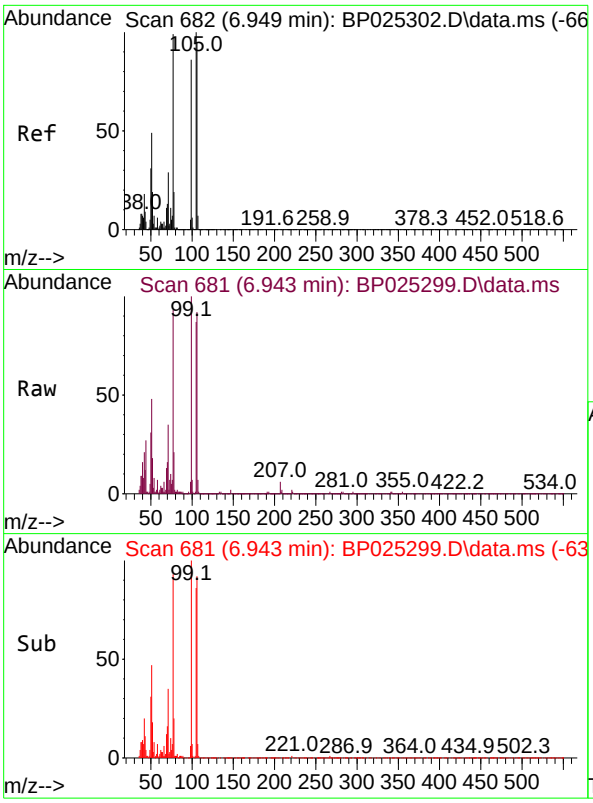


#8
2-Chlorophenol
Concen: 4.595 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:128 Resp: 50305

Ion	Ratio	Lower	Upper
128	100		
130	34.2	13.1	53.1
64	48.0	26.1	66.1



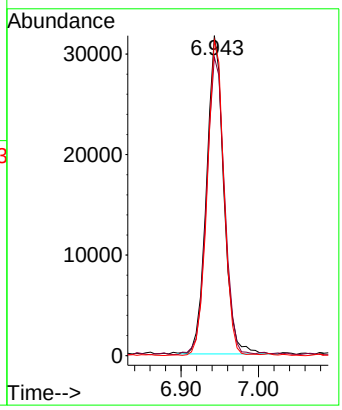


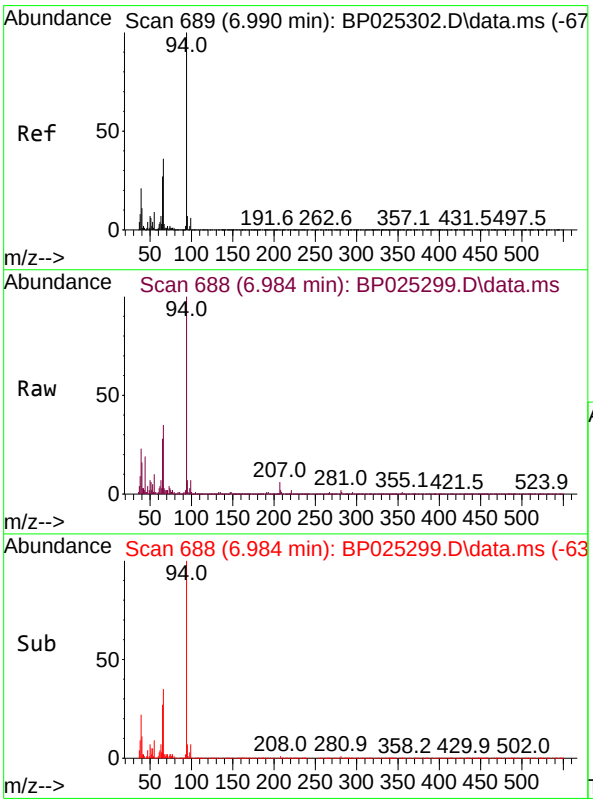
#9
Benzaldehyde
Concen: 5.234 ng
RT: 6.943 min Scan# 68
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 48928

Ion	Ratio	Lower	Upper
77	100		
105	93.3	81.4	121.4
106	98.5	76.2	116.2

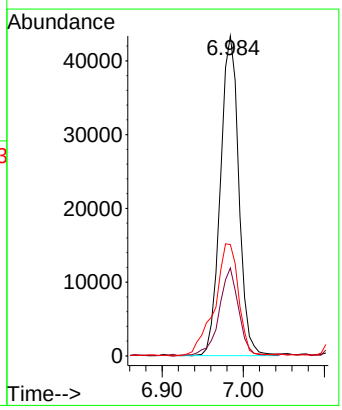


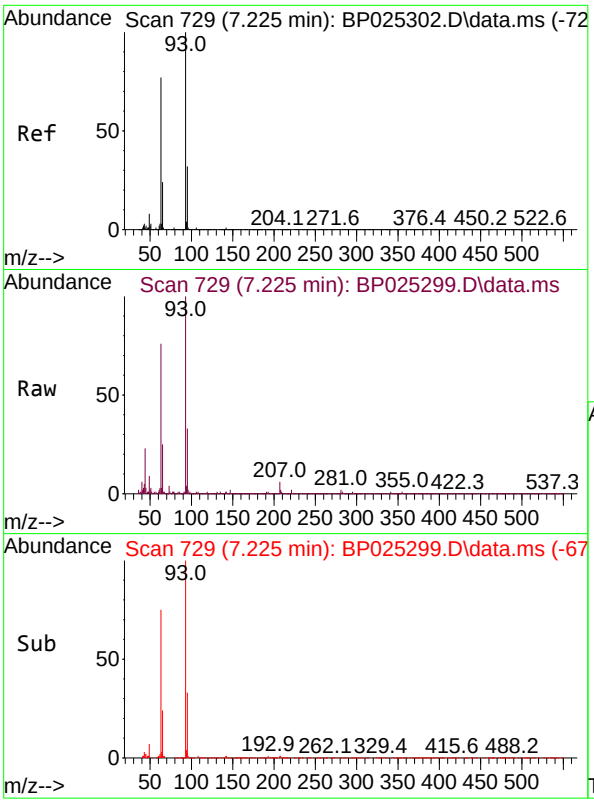


#10
Phenol
Concen: 4.838 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 94 Resp: 68139

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.8	15.7	55.7



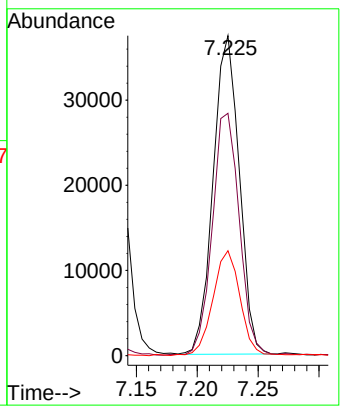


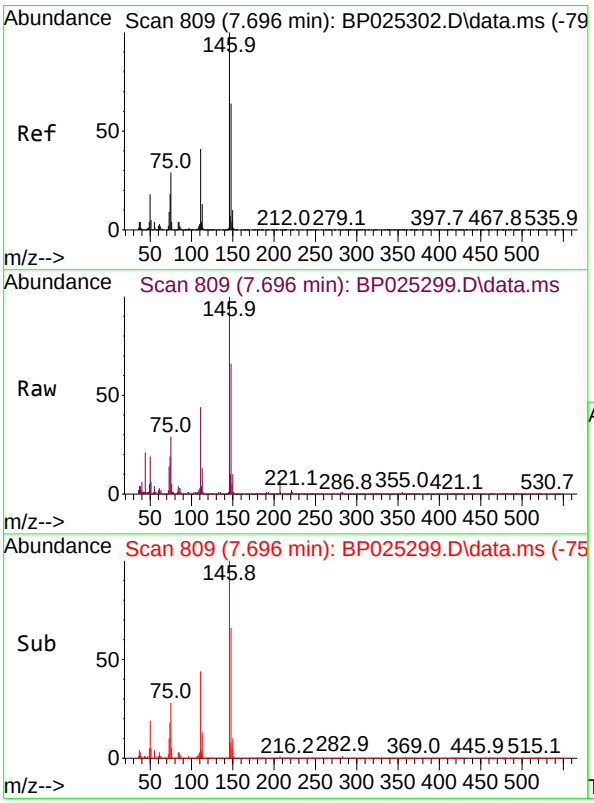
#11
bis(2-Chloroethyl)ether
Concen: 5.062 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 55859

Ion	Ratio	Lower	Upper
93	100		
63	75.7	57.0	97.0
95	32.8	12.1	52.1

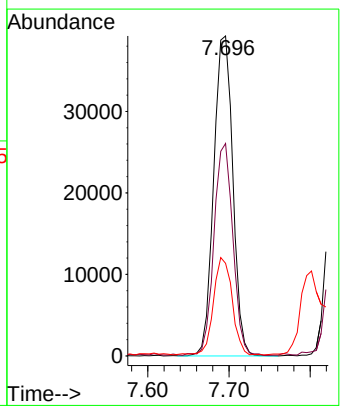


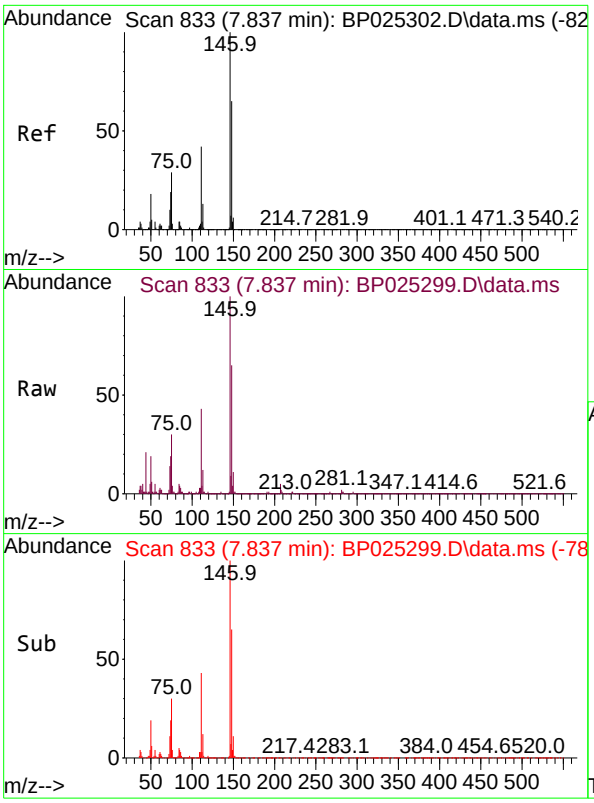


#12
1,3-Dichlorobenzene
Concen: 5.202 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 63992

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.1	76.7
75	28.9	23.2	34.8



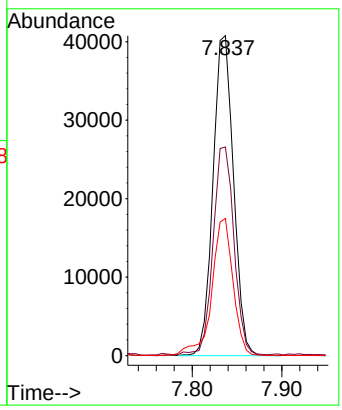


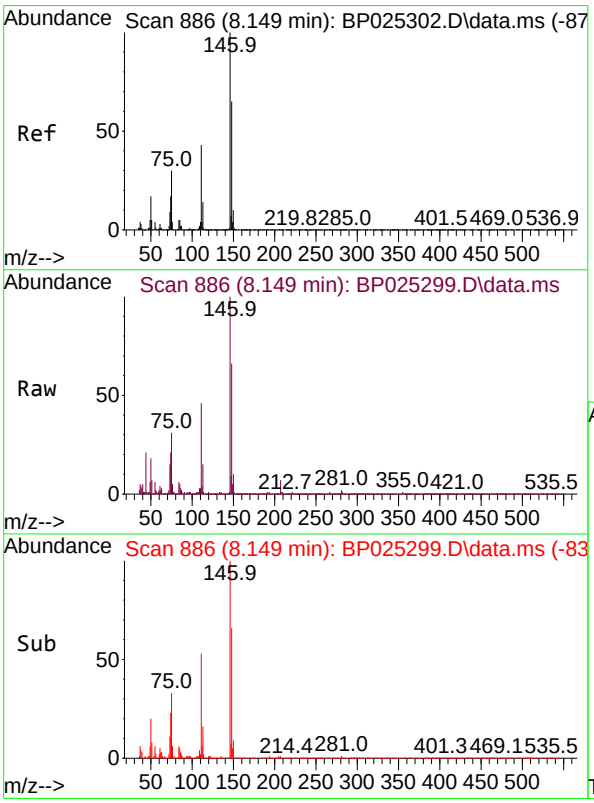
#13
1,4-Dichlorobenzene
Concen: 5.212 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 64858

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.0	78.0
111	42.9	33.2	49.8

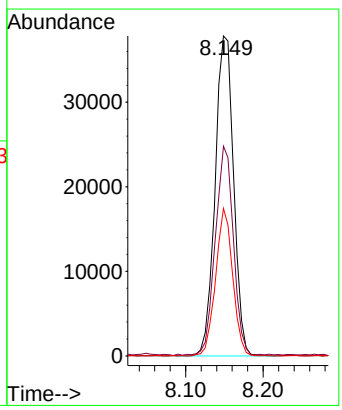


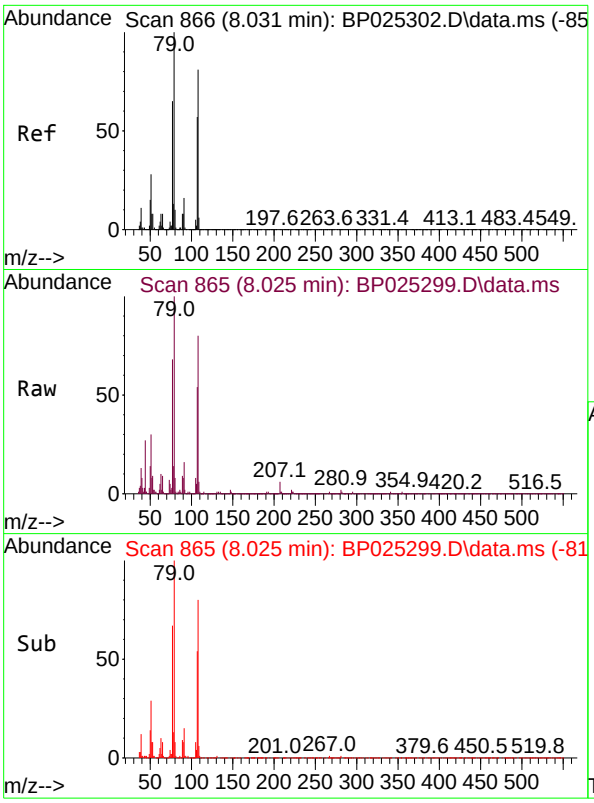


#14
1,2-Dichlorobenzene
Concen: 5.209 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:146 Resp: 62802

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
111	46.1	34.4	51.6



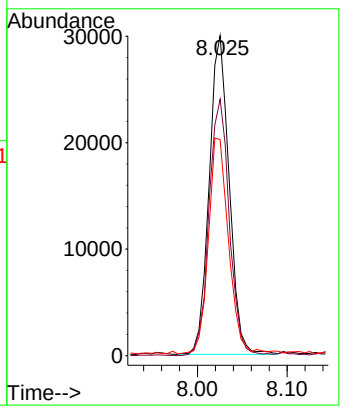


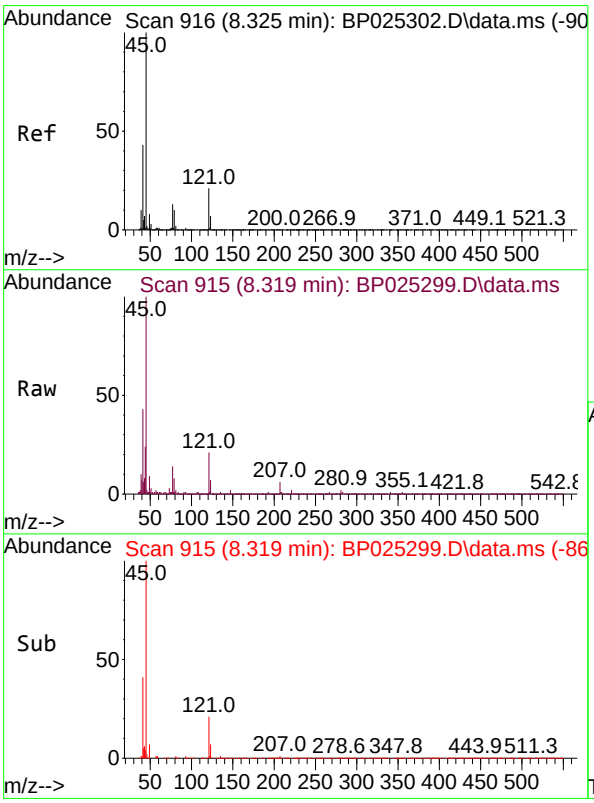
#15
Benzyl Alcohol
Concen: 4.568 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 46603

Ion	Ratio	Lower	Upper
79	100		
108	80.1	64.5	96.7
77	67.5	51.9	77.9

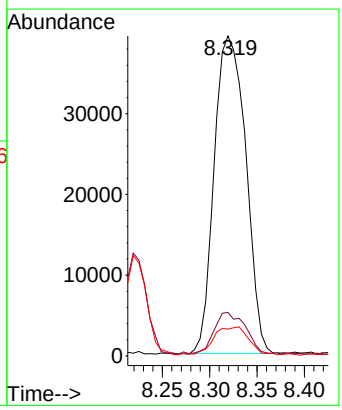


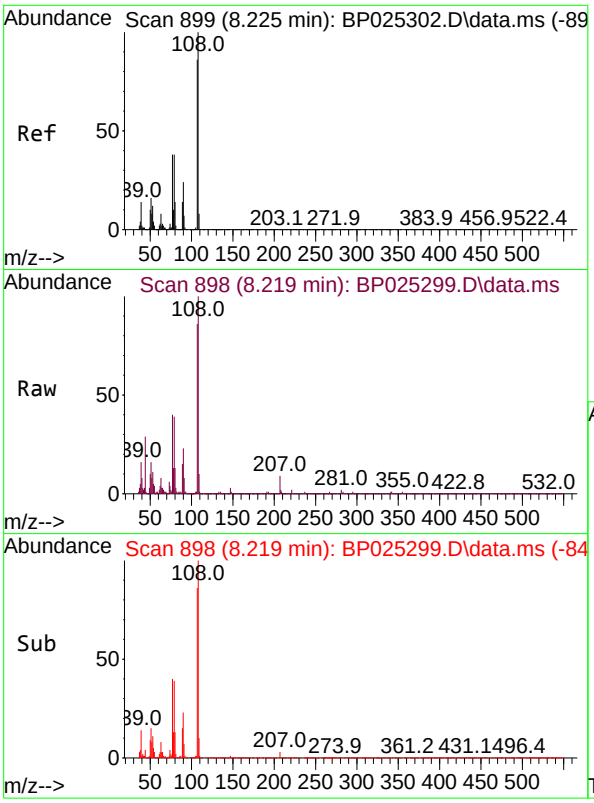


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.242 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 45 Resp: 91371

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.0
79	8.4	0.0	29.8



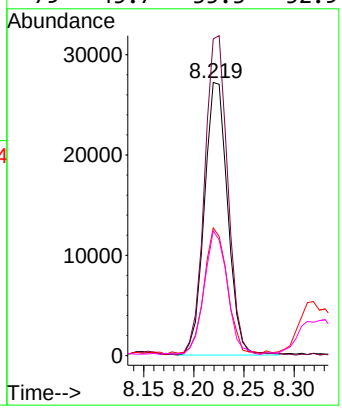


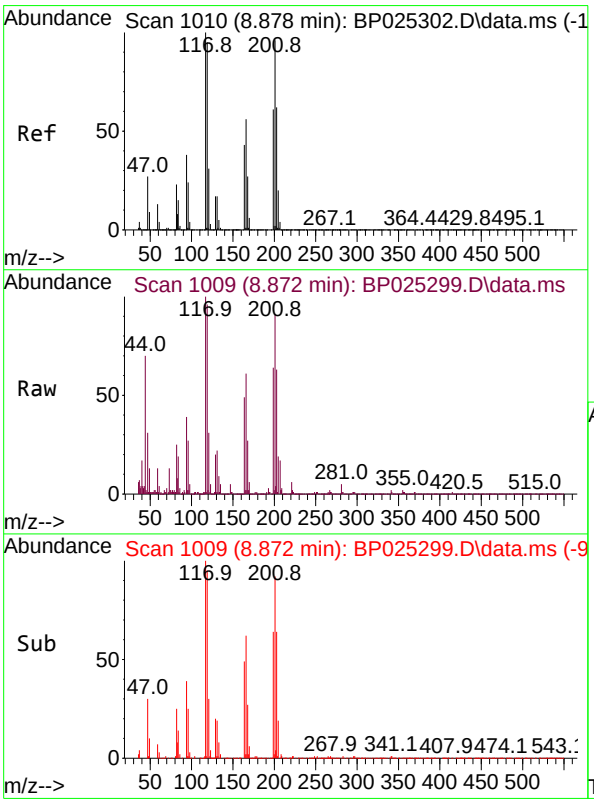
#17
2-Methylphenol
Concen: 4.663 ng
RT: 8.219 min Scan# 89
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 43943

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.6	139.0
77	46.8	35.4	53.2
79	45.7	35.3	52.9

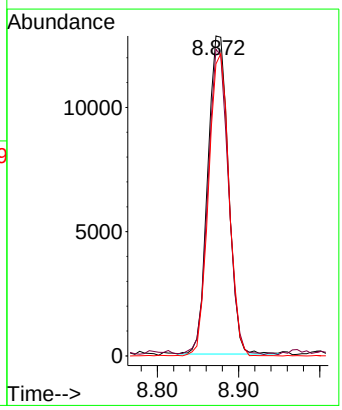


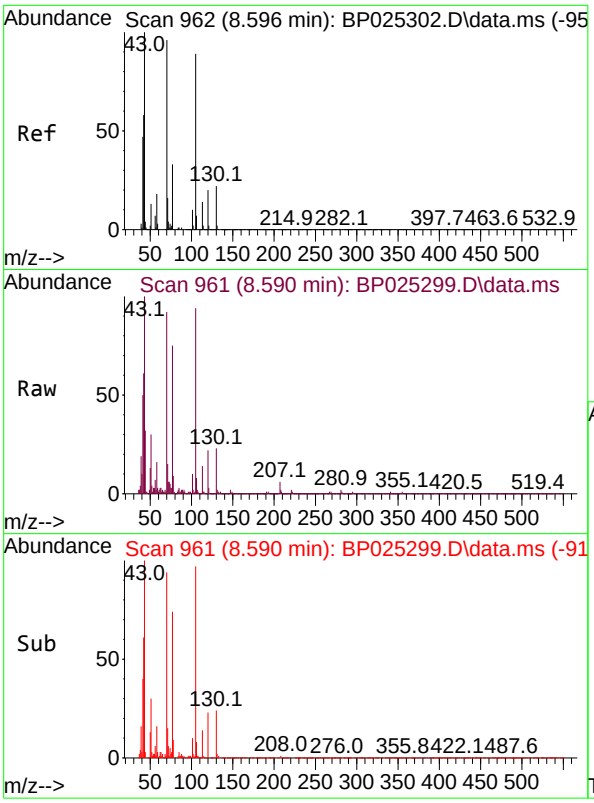


#18
Hexachloroethane
Concen: 5.091 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:117 Resp: 22659

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
201	95.0	76.6	114.8



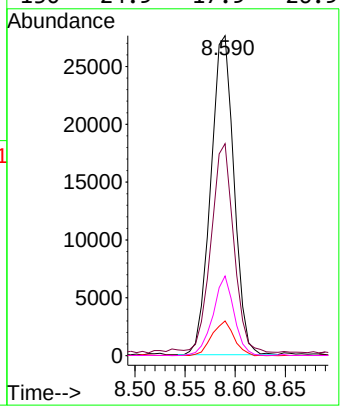


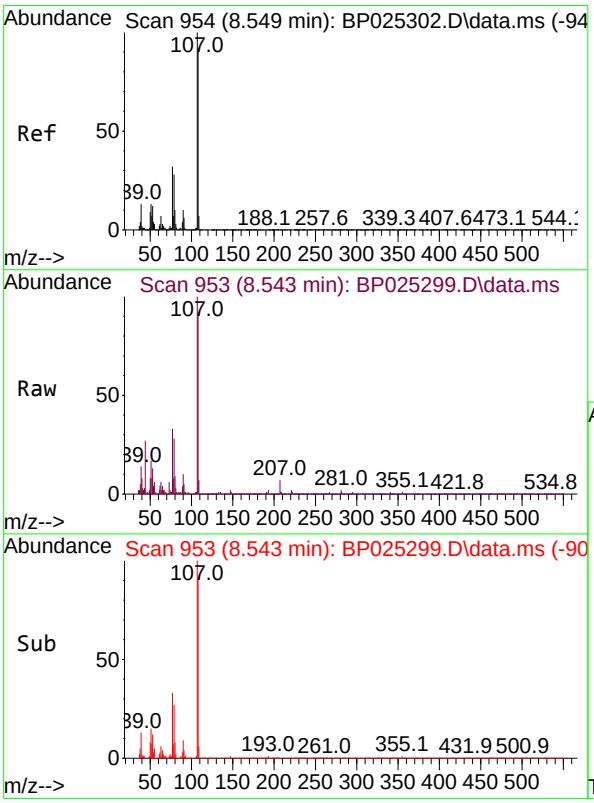
#19
n-Nitroso-di-n-propylamine
Concen: 5.129 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 44357

Ion	Ratio	Lower	Upper
70	100		
42	66.2	49.4	74.0
101	10.8	7.9	11.9
130	24.9	17.9	26.9

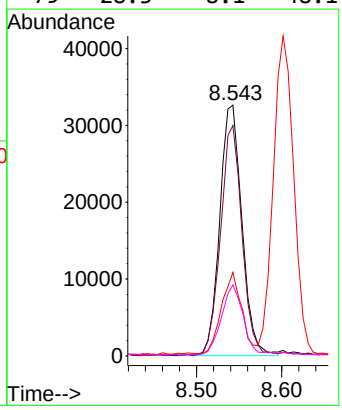


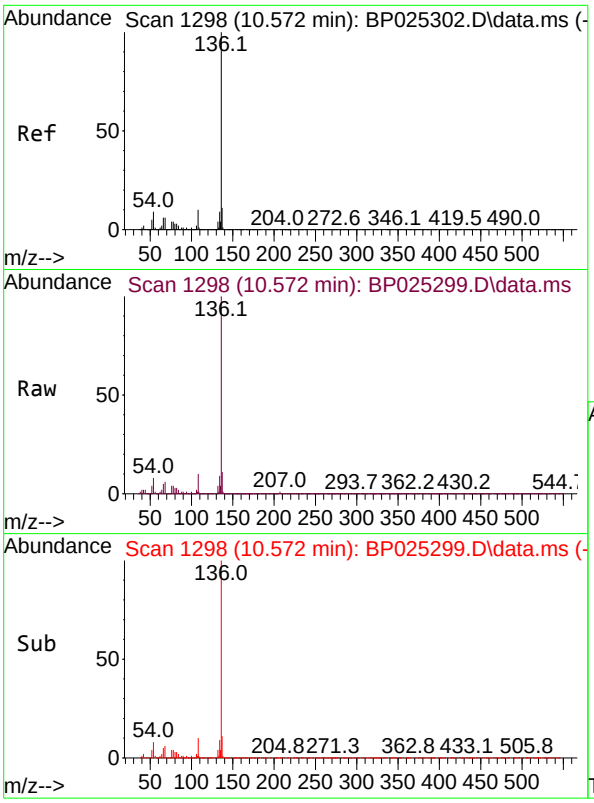


#20
3+4-Methylphenols
Concen: 4.548 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 59020

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.9	111.9
77	33.3	12.0	52.0
79	28.3	8.1	48.1



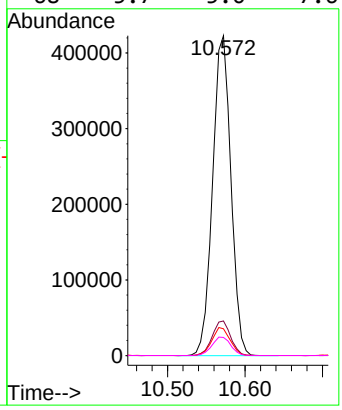


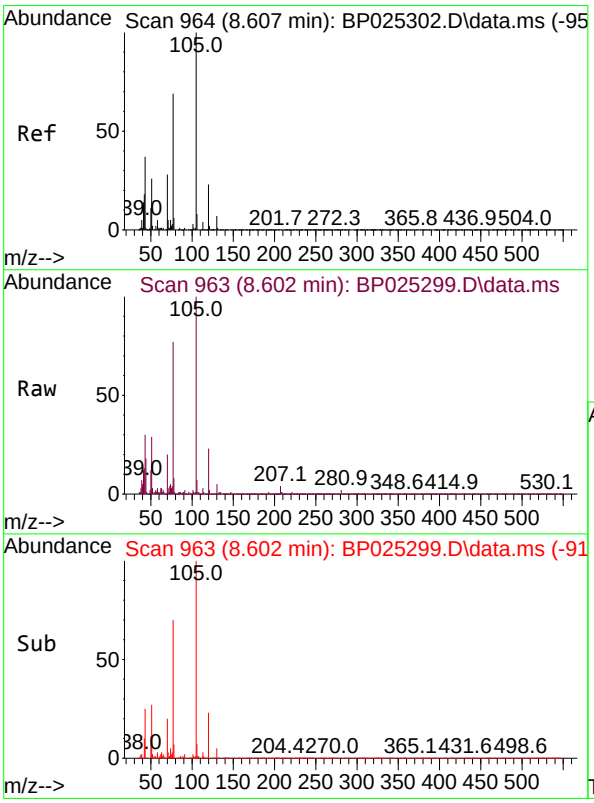
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 694615

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.4	7.0	10.6
68	5.7	5.0	7.6

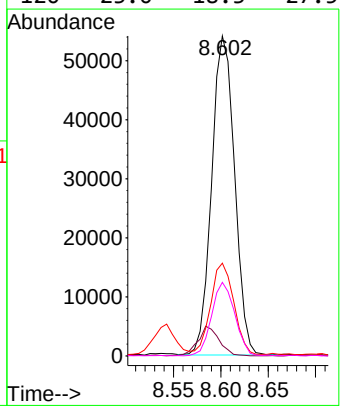


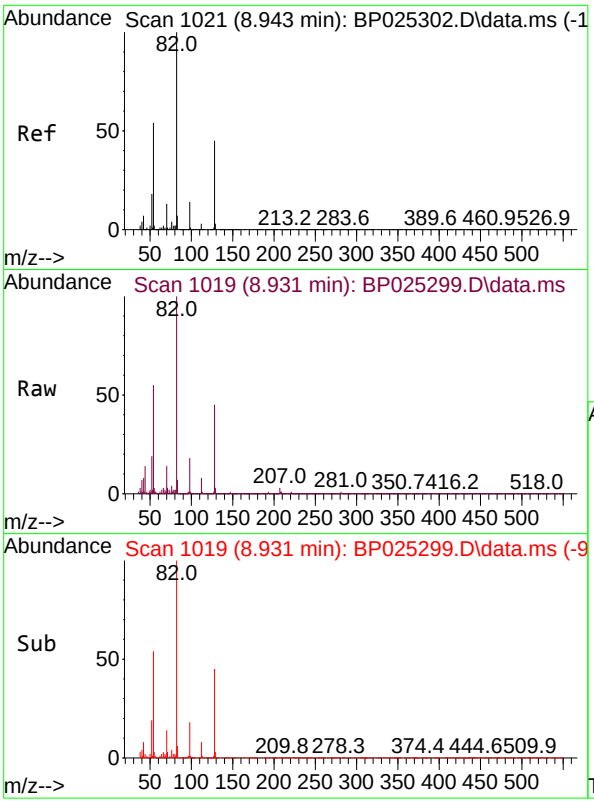


#22
Acetophenone
Concen: 5.220 ng
RT: 8.602 min Scan# 963
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:105 Resp: 91026

Ion	Ratio	Lower	Upper
105	100		
71	3.3	4.1	6.1#
51	29.0	22.7	34.1
120	23.0	18.3	27.5



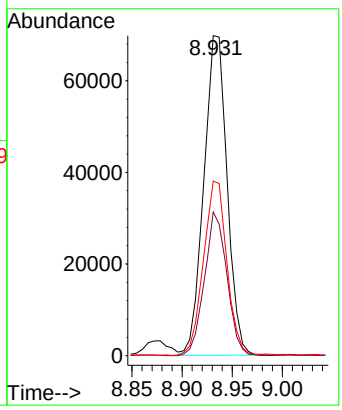


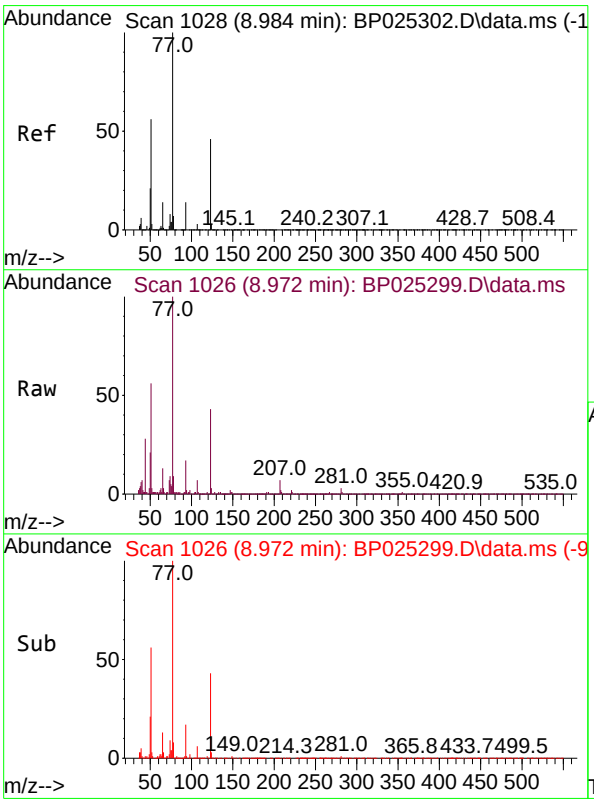
#23
Nitrobenzene-d5
Concen: 8.777 ng
RT: 8.931 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 112678

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.4	53.2
54	54.5	42.9	64.3

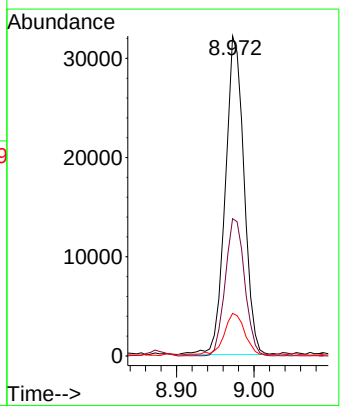


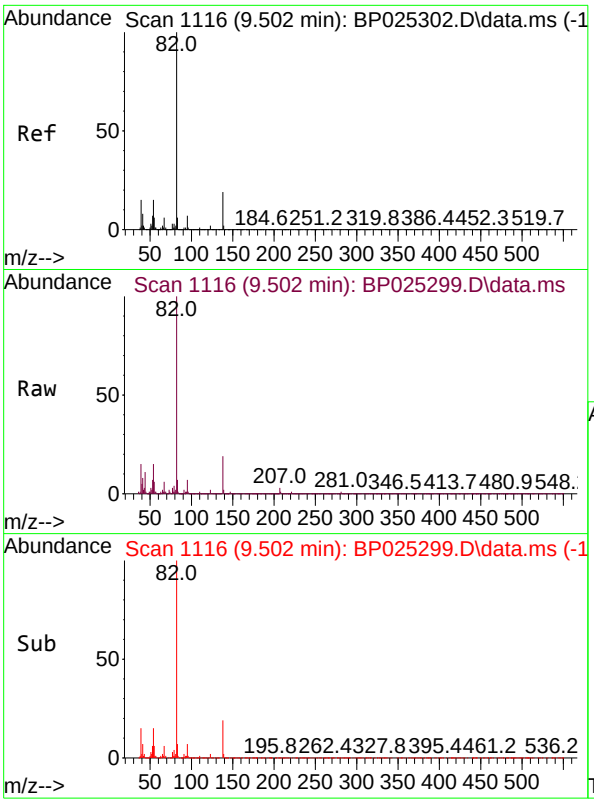


#24
Nitrobenzene
Concen: 4.553 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 77 Resp: 54037

Ion	Ratio	Lower	Upper
77	100		
123	42.9	37.4	56.2
65	13.3	11.1	16.7



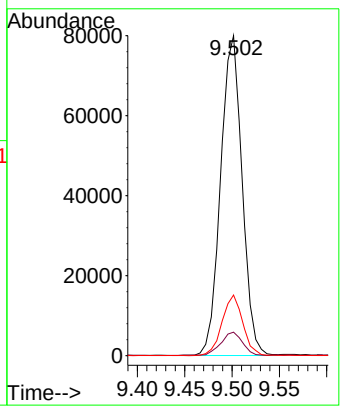


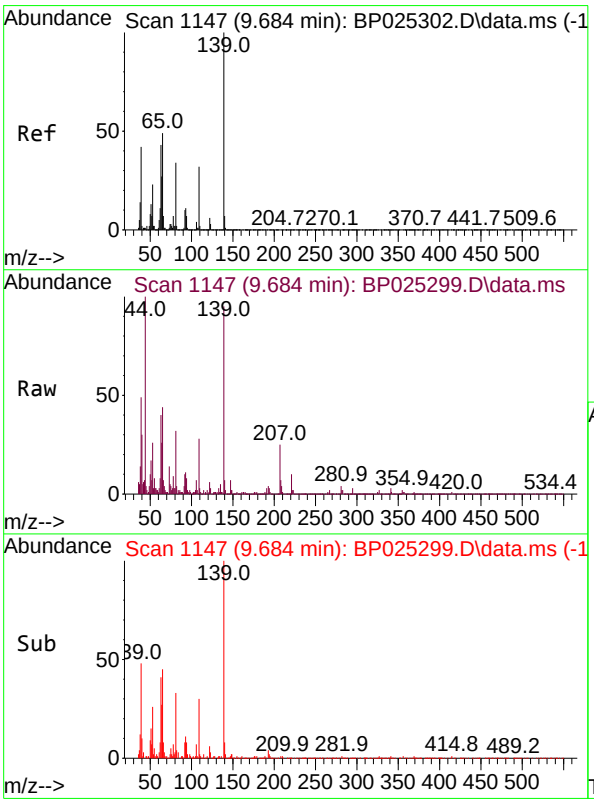
#25
Isophorone
Concen: 5.056 ng
RT: 9.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 126178

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.9	15.0	22.6

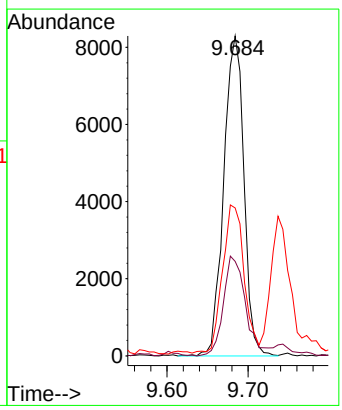


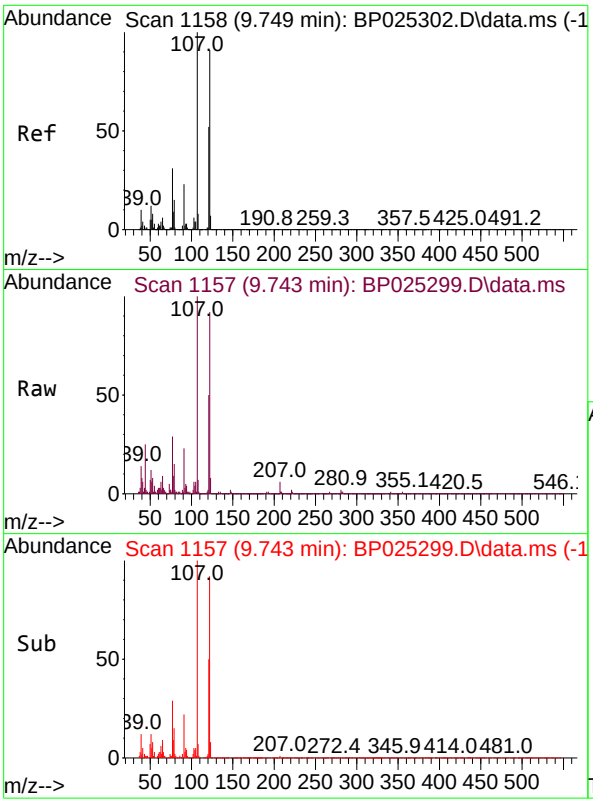


#26
2-Nitrophenol
Concen: 6.196 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:139 Resp: 14308

Ion	Ratio	Lower	Upper
139	100		
109	29.5	25.2	37.8
65	46.2	39.6	59.4



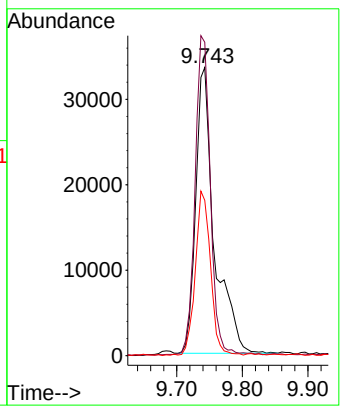


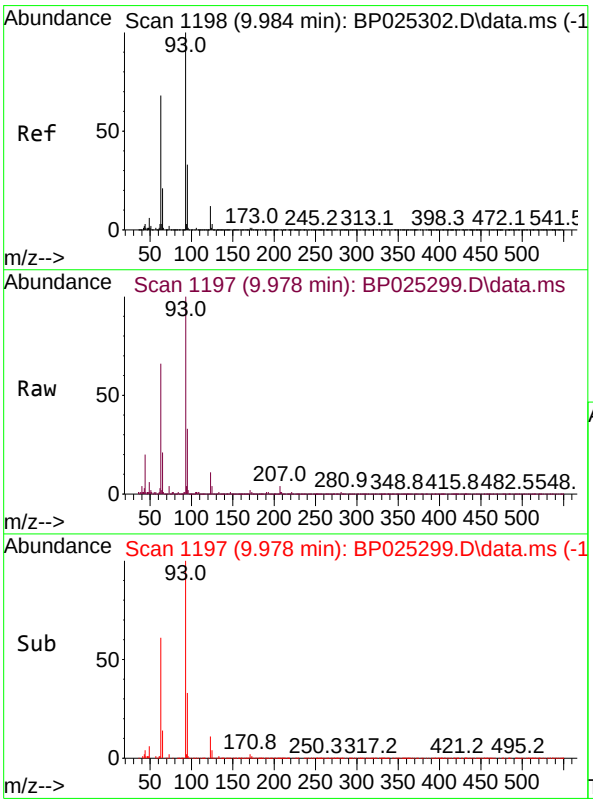
#27
2,4-Dimethylphenol
Concen: 5.730 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 65928

Ion	Ratio	Lower	Upper
122	100		
107	108.8	87.4	131.0
121	53.9	45.8	68.8

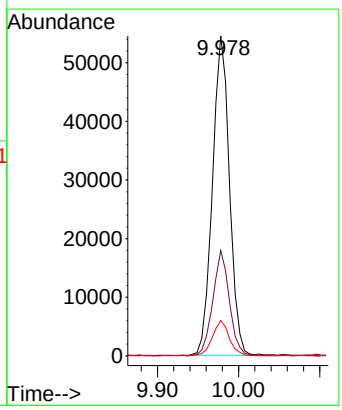


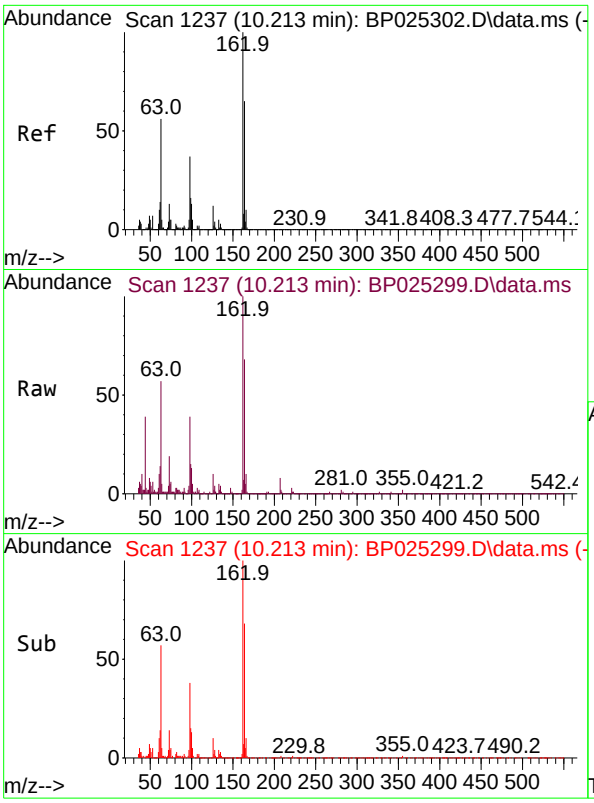


#28
bis(2-Chloroethoxy)methane
Concen: 5.225 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 93 Resp: 79327

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.0	9.4	14.2



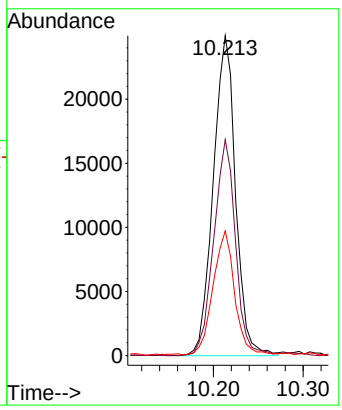


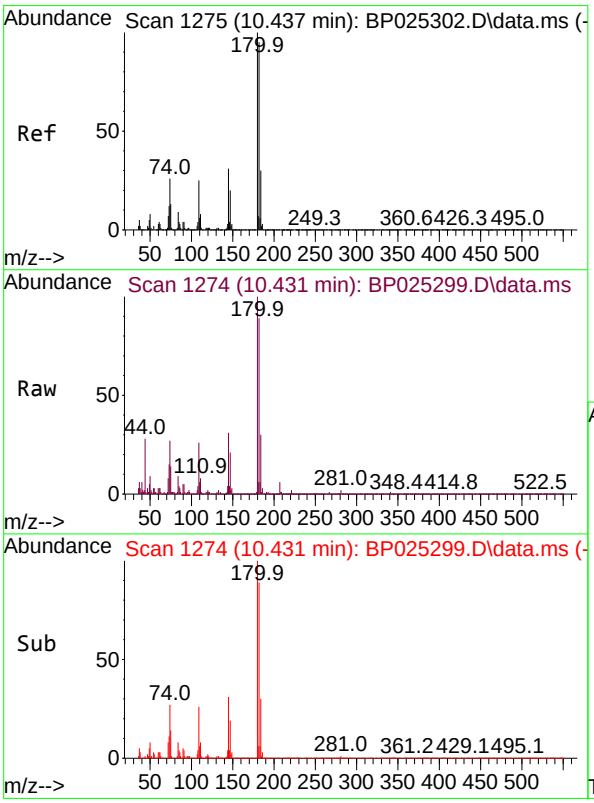
#29
2,4-Dichlorophenol
Concen: 4.296 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 43275

Ion	Ratio	Lower	Upper
162	100		
164	67.5	45.2	85.2
98	39.0	17.5	57.5

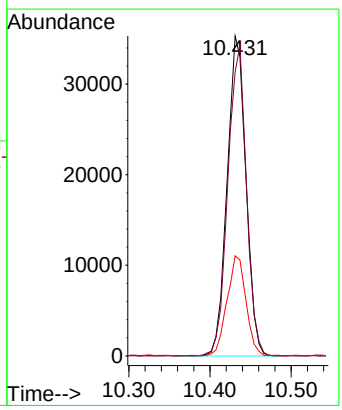


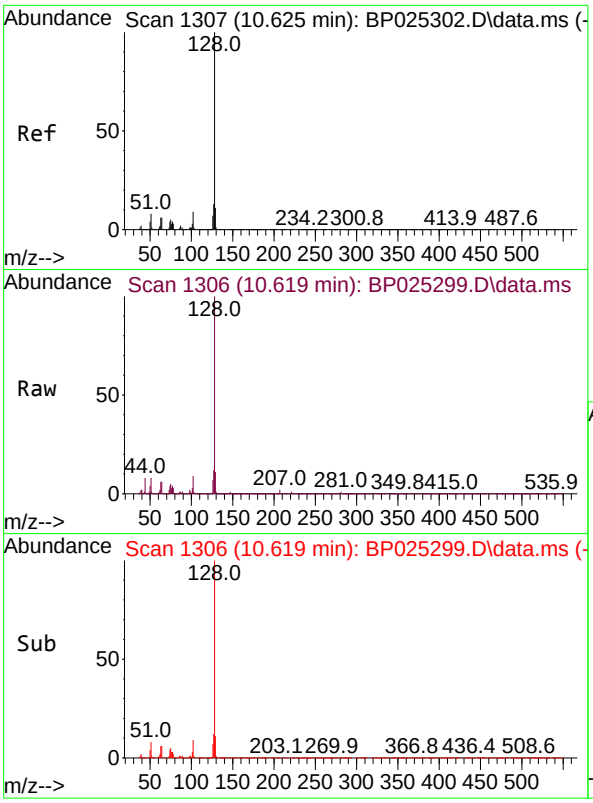


#30
1,2,4-Trichlorobenzene
Concen: 5.120 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:180 Resp: 56908

Ion	Ratio	Lower	Upper
180	100		
182	88.8	75.8	113.8
145	31.3	25.0	37.4



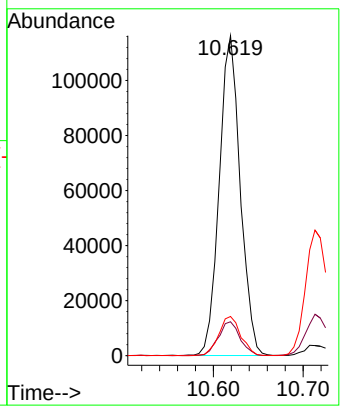


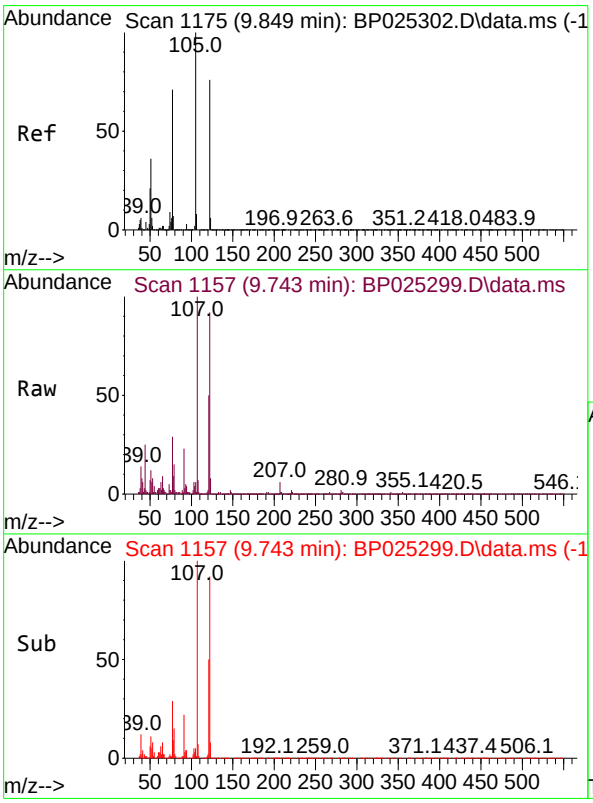
#31
Naphthalene
Concen: 5.262 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 189737

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.2	10.4	15.6

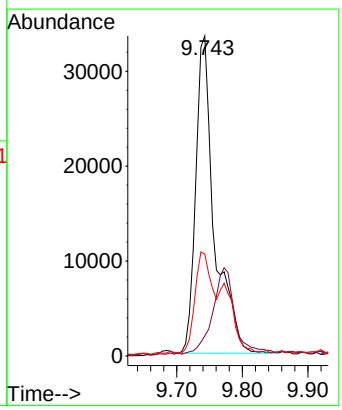


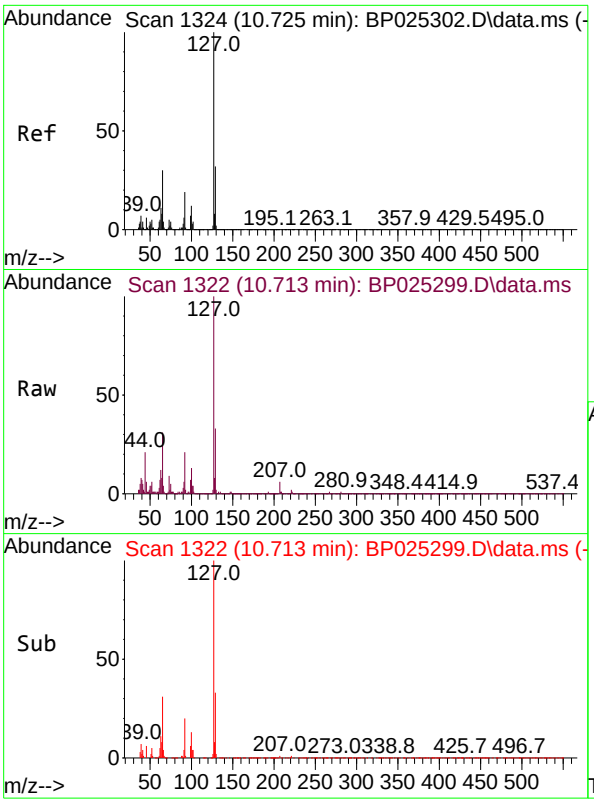


#32
Benzoic acid
Concen: 16.679 ng
RT: 9.743 min Scan# 1157
Delta R.T. -0.106 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:122 Resp: 65928

Ion	Ratio	Lower	Upper
122	100		
105	6.2	104.0	144.0#
77	31.8	71.8	111.8#



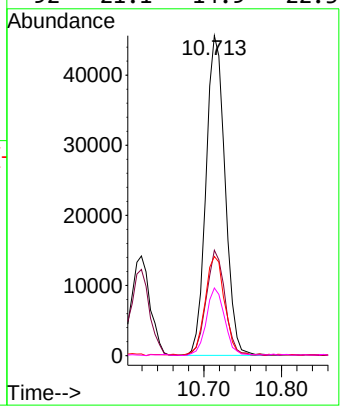


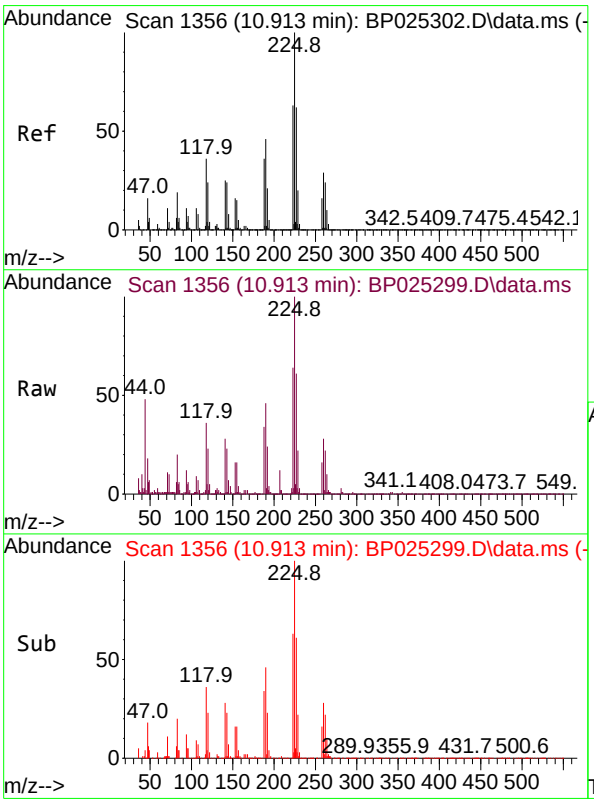
#33
4-Chloroaniline
Concen: 4.856 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 77884

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.6
65	31.0	23.6	35.4
92	21.1	14.9	22.3

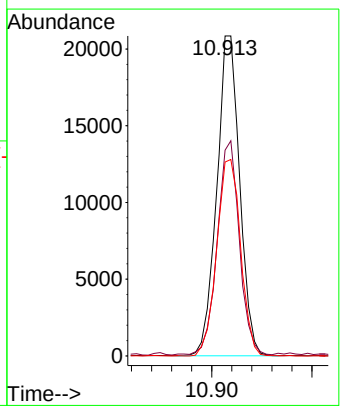


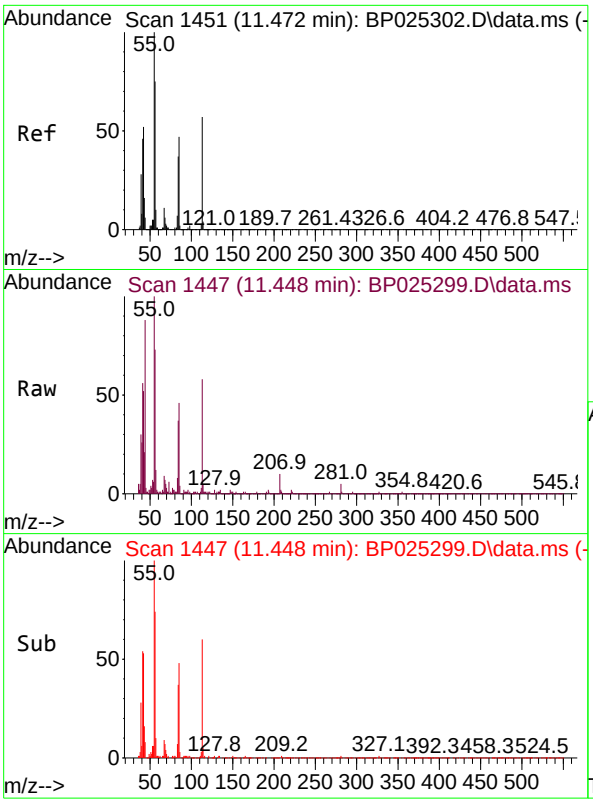


#34
Hexachlorobutadiene
Concen: 5.191 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:225 Resp: 33118

Ion	Ratio	Lower	Upper
225	100		
223	67.5	50.3	75.5
227	60.6	49.7	74.5



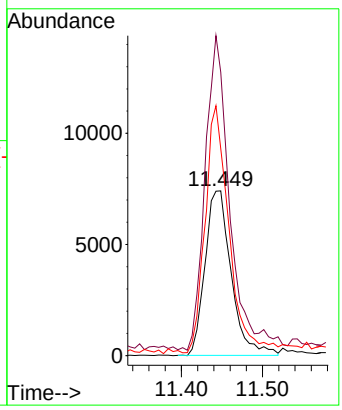


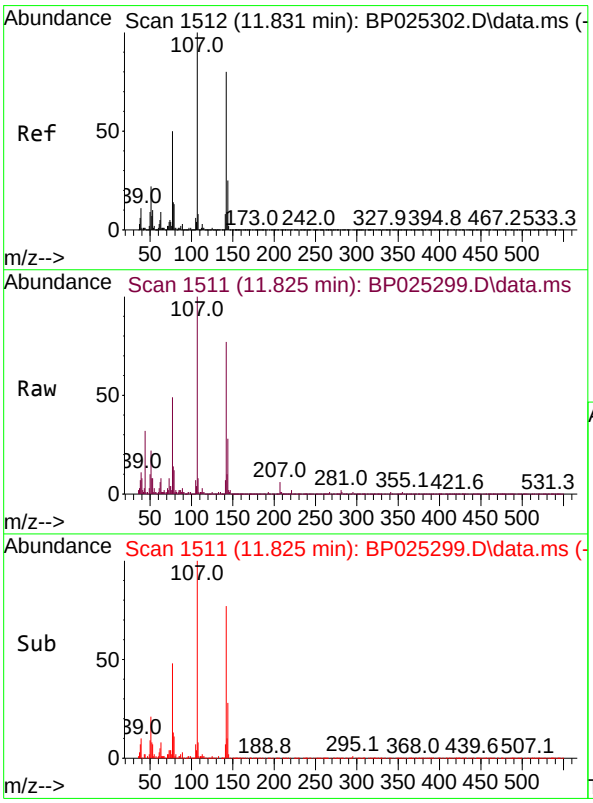
#35
Caprolactam
Concen: 4.247 ng
RT: 11.448 min Scan# 14
Delta R.T. -0.024 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 16635

Ion	Ratio	Lower	Upper
113	100		
55	172.0	154.4	194.4
56	125.7	110.9	150.9

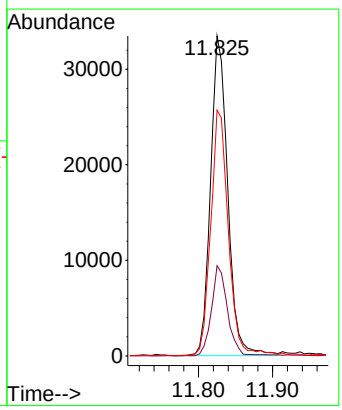


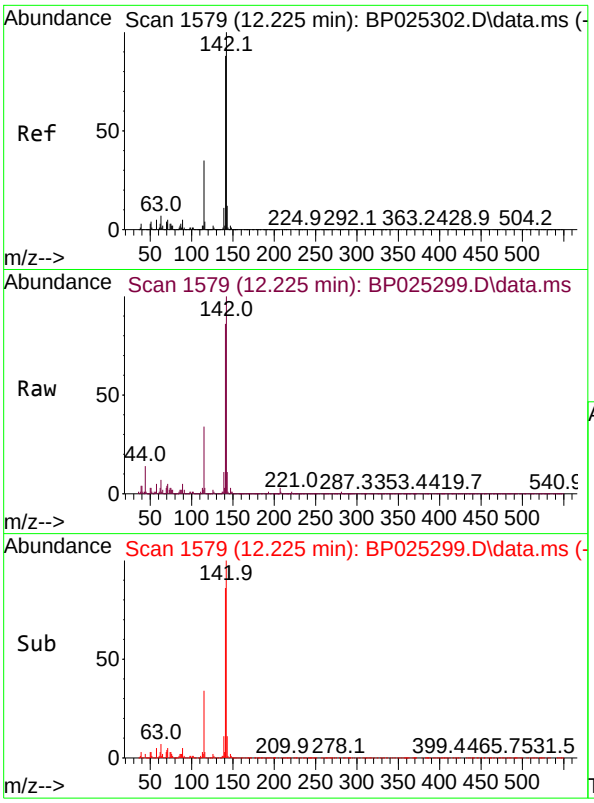


#36
4-Chloro-3-methylphenol
Concen: 4.625 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:107 Resp: 53910

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.4	30.6
142	76.8	63.7	95.5



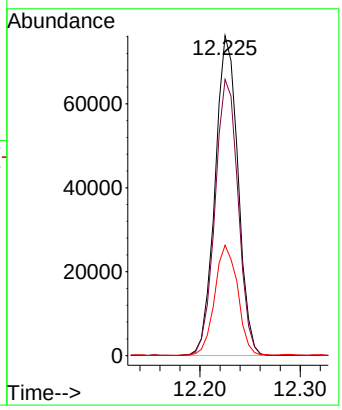


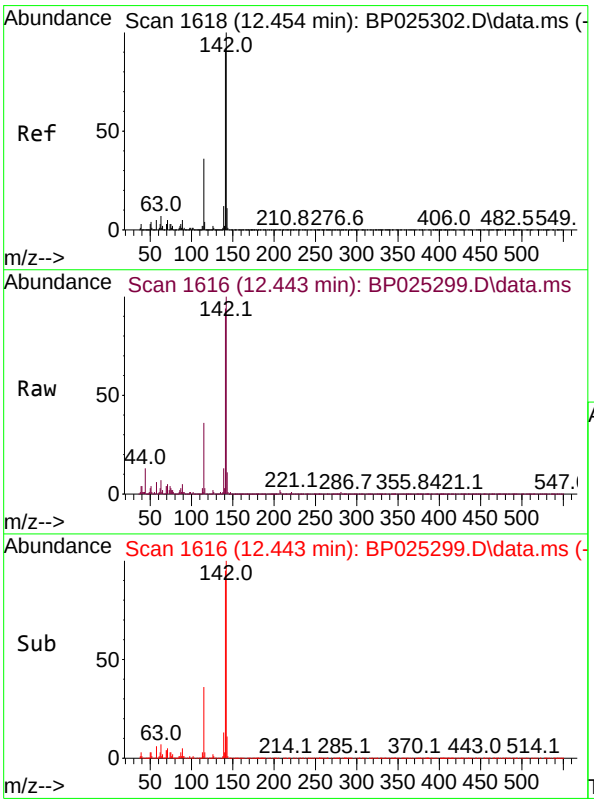
#37
2-Methylnaphthalene
Concen: 5.184 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 120994

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.4	105.6
115	34.5	28.0	42.0

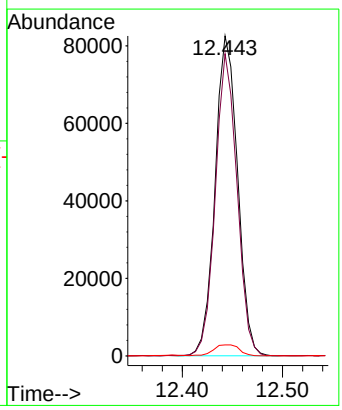


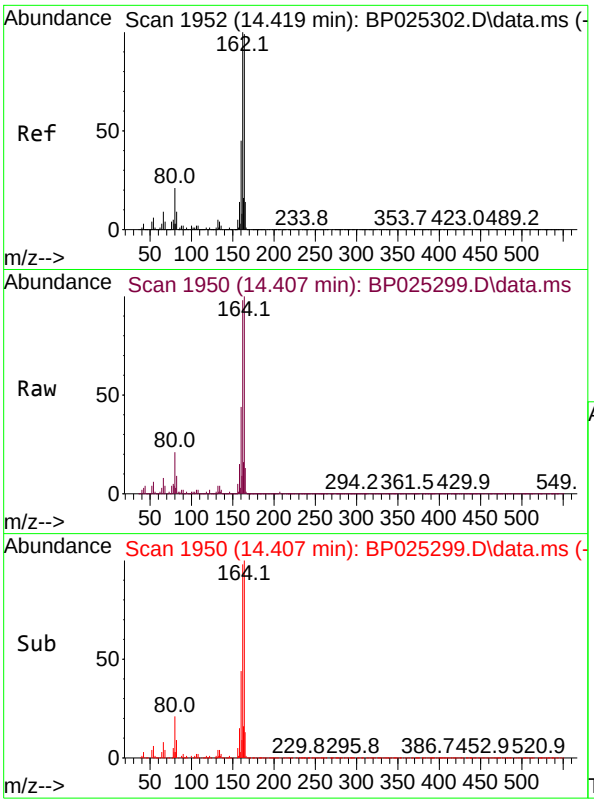


#38
1-Methylnaphthalene
Concen: 5.290 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:142 Resp: 128838

Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.0	109.6
116	3.4	3.0	4.6



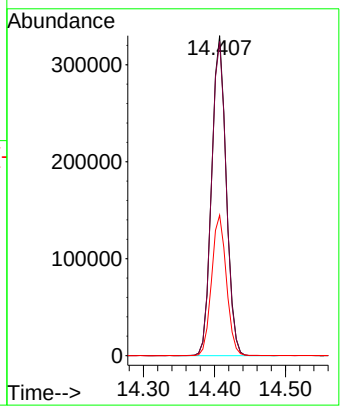


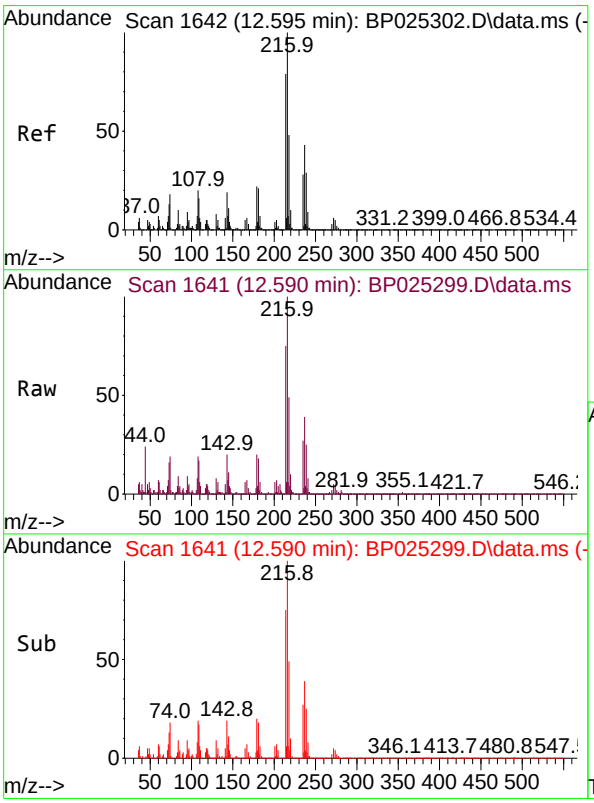
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 469306

Ion	Ratio	Lower	Upper
164	100		
162	98.1	80.6	120.8
160	43.9	35.9	53.9

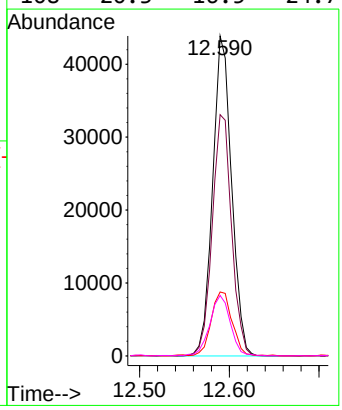


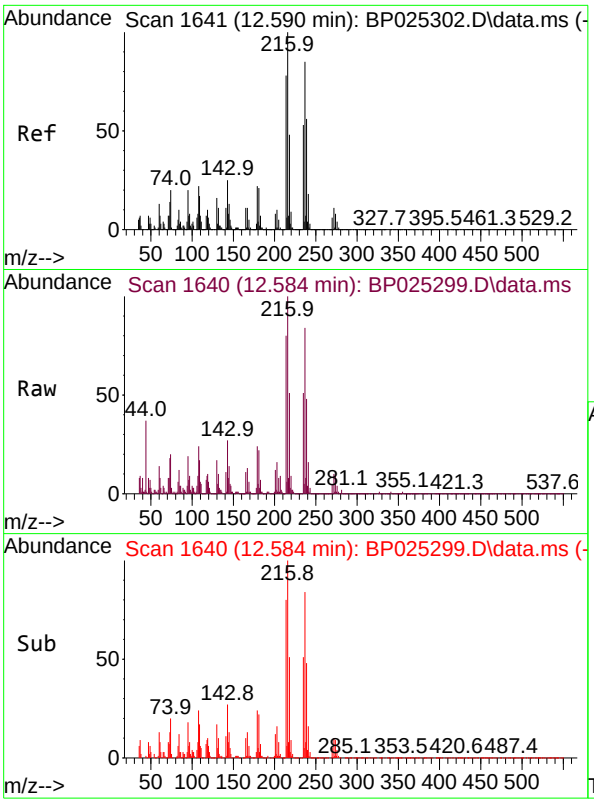


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.049 ng
RT: 12.590 min Scan# 1641
Delta R.T. -0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:216 Resp: 64686

Ion	Ratio	Lower	Upper
216	100		
214	76.8	62.4	93.6
179	22.3	17.5	26.3
108	20.3	16.5	24.7



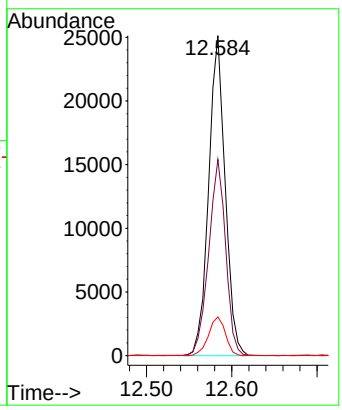


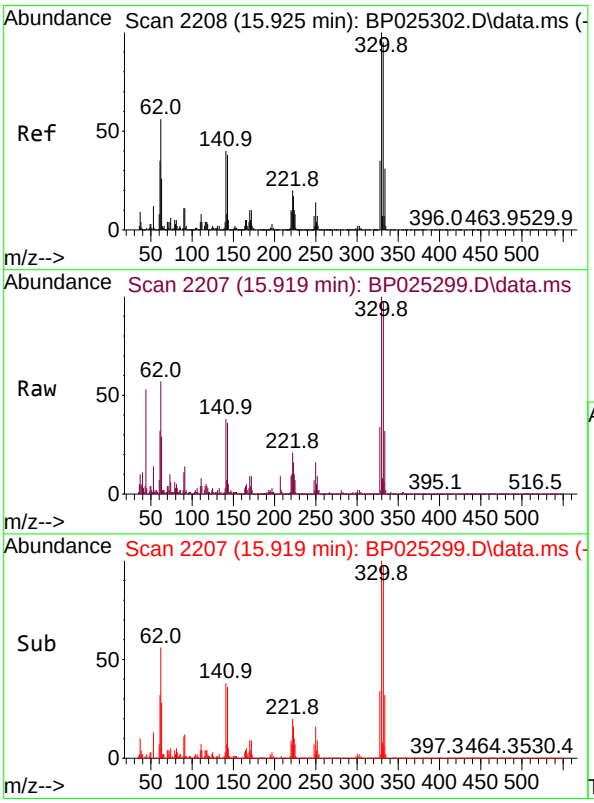
#41
Hexachlorocyclopentadiene
Concen: 4.276 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 33816

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.2	82.2
272	12.1	0.0	32.8

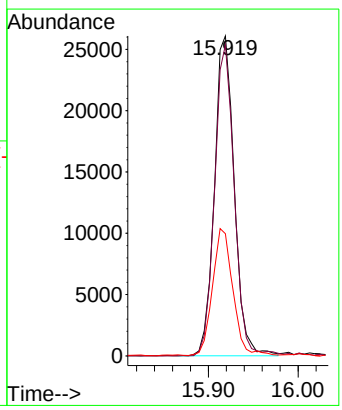


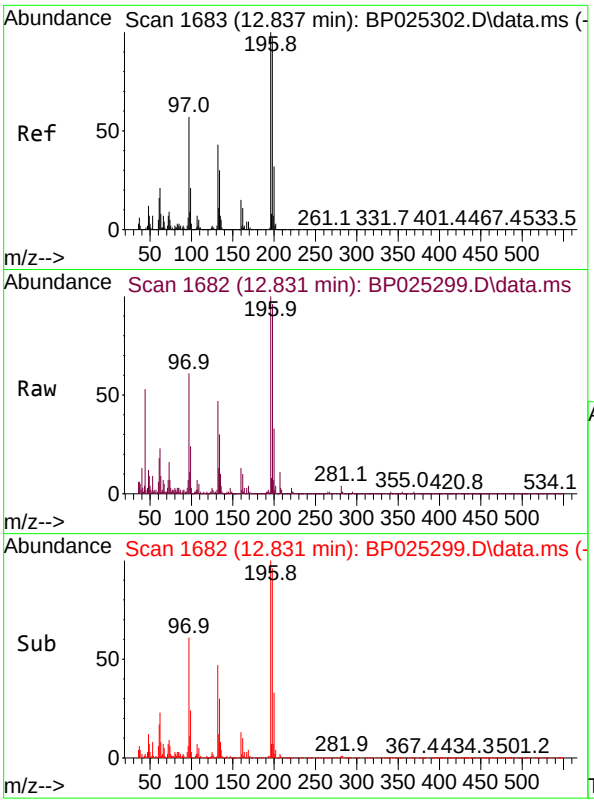


#42
2,4,6-Tribromophenol
Concen: 8.296 ng
RT: 15.919 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:330 Resp: 40199

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	40.6	31.7	47.5



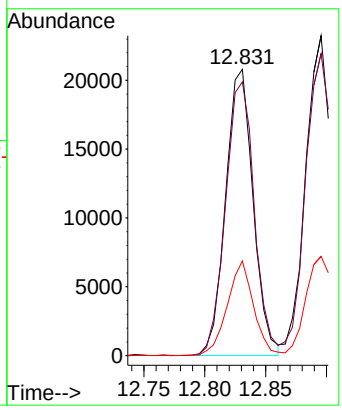


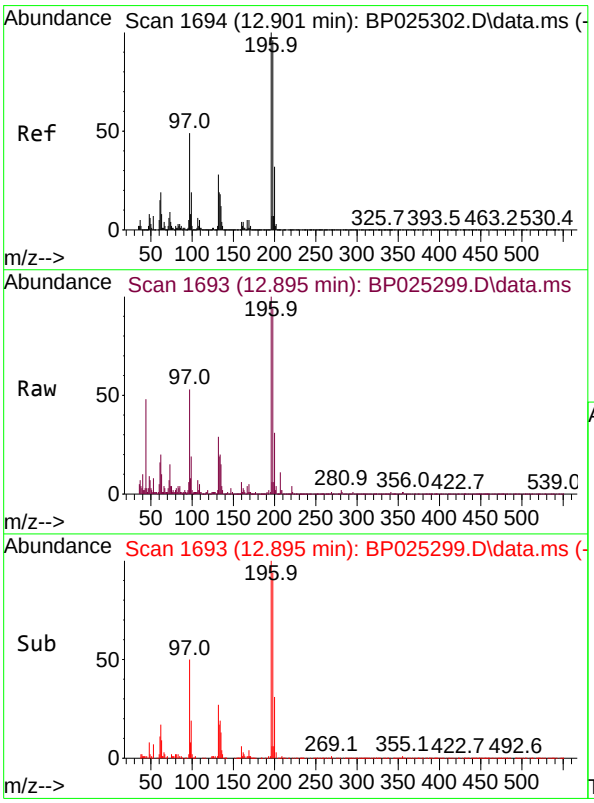
#43
2,4,6-Trichlorophenol
Concen: 3.957 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 32753

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
200	34.9	25.4	38.2

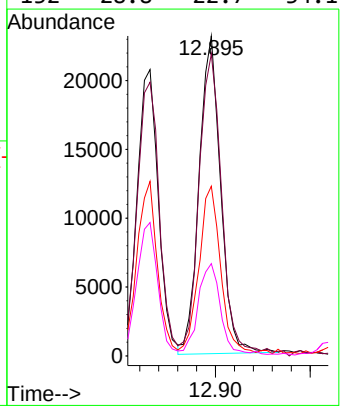


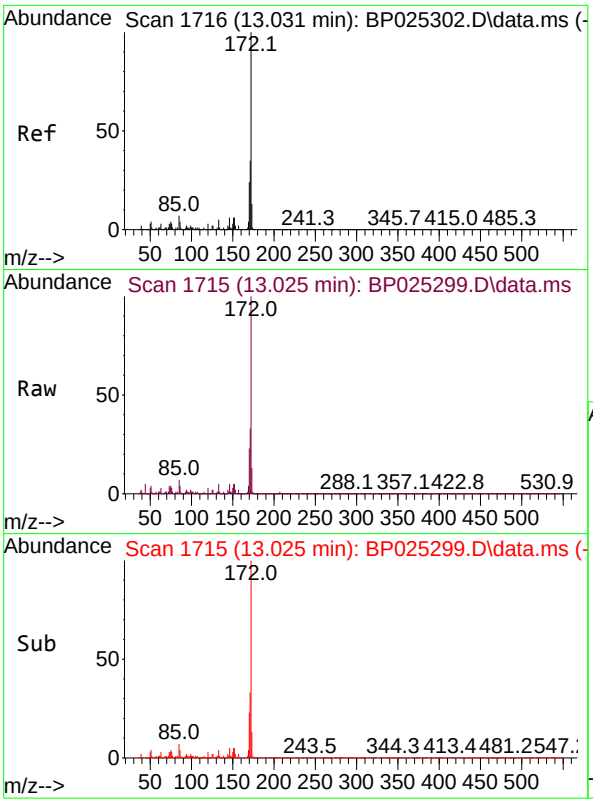


#44
2,4,5-Trichlorophenol
Concen: 3.918 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:196 Resp: 36376

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.6	114.8
97	53.0	39.5	59.3
132	28.8	22.7	34.1



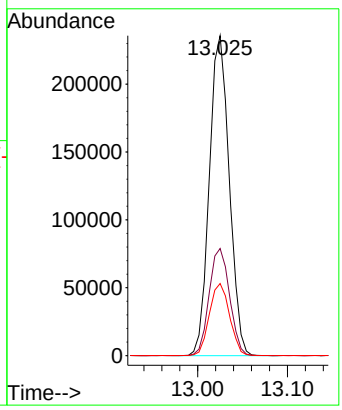


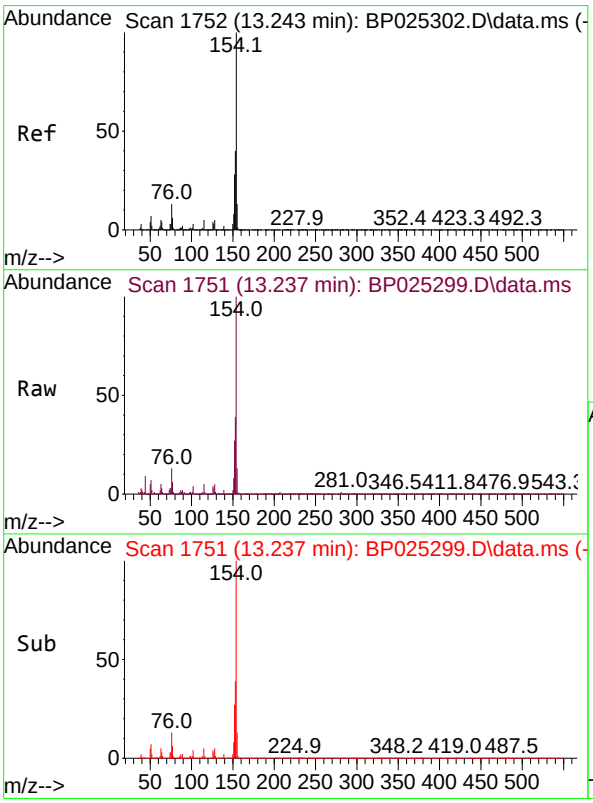
#45
2-Fluorobiphenyl
Concen: 10.769 ng
RT: 13.025 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 363946

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.9	41.9
170	22.5	18.9	28.3

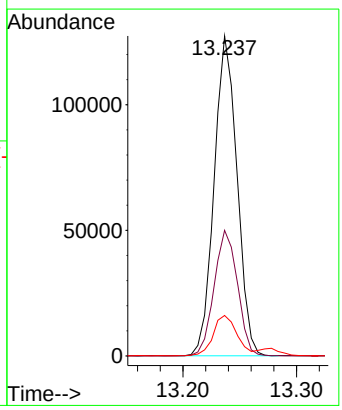


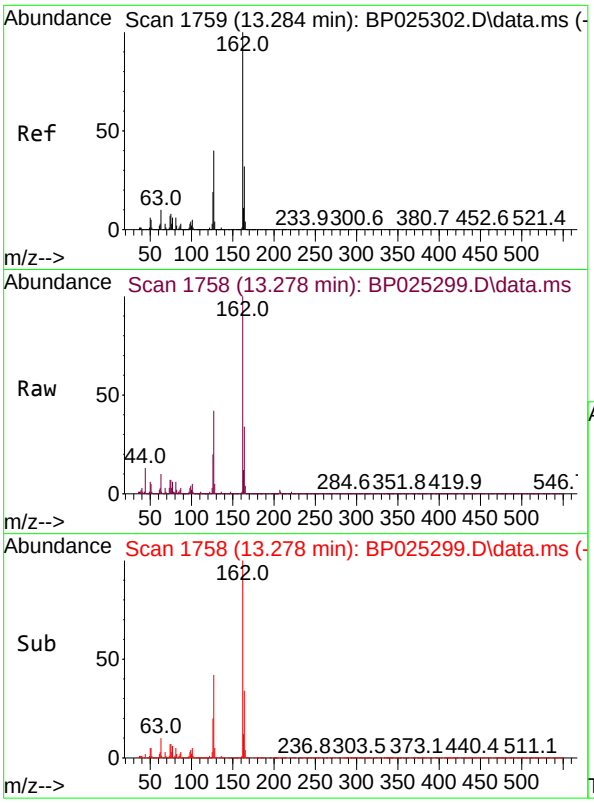


#46
1,1'-Biphenyl
Concen: 5.150 ng
RT: 13.237 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 178122

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.9	59.9
76	12.7	0.0	33.2



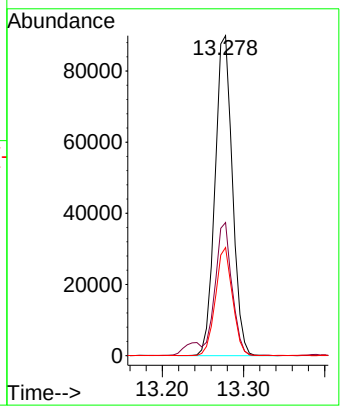


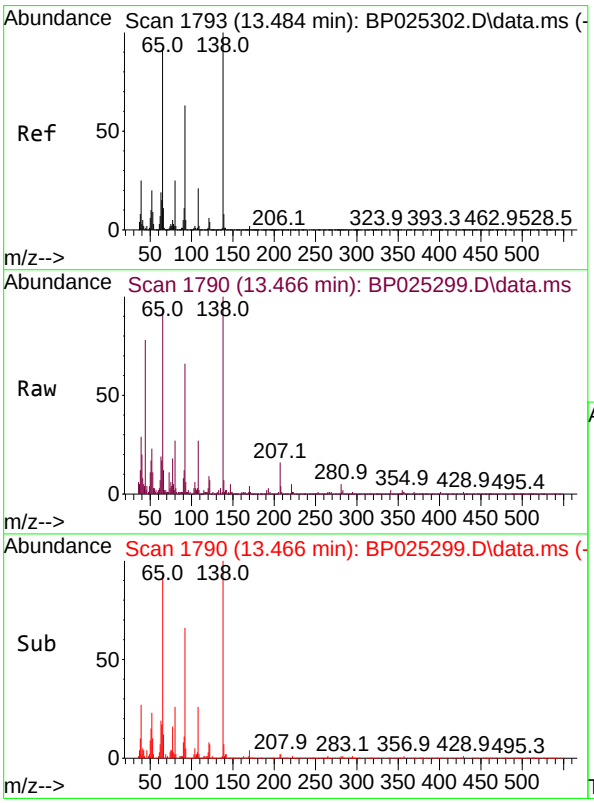
#47
2-Chloronaphthalene
Concen: 5.062 ng
RT: 13.278 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 133568

Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.2	48.2
164	33.8	25.9	38.9

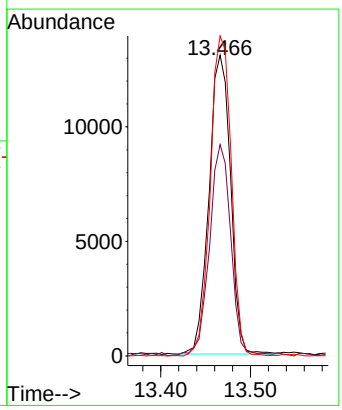


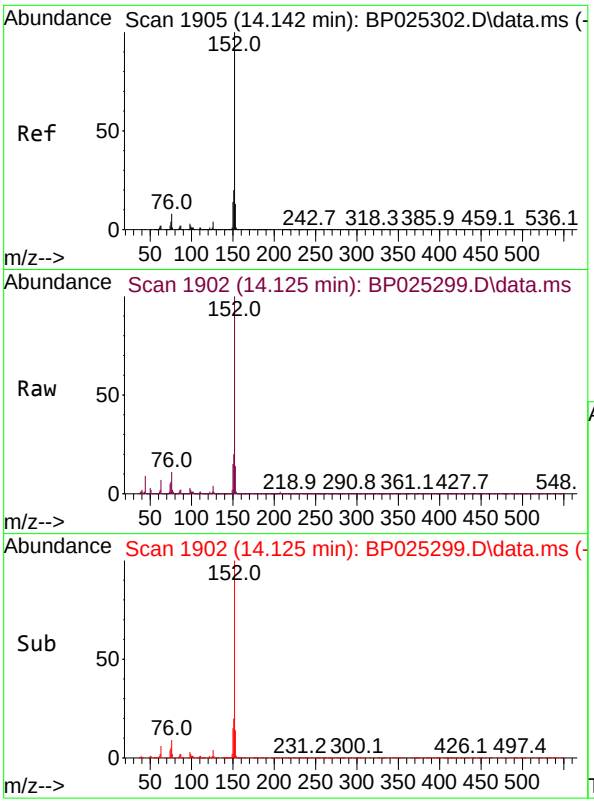


#48
2-Nitroaniline
Concen: 5.624 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion: 65 Resp: 21912

Ion	Ratio	Lower	Upper
65	100		
92	70.2	54.4	81.6
138	106.4	87.0	130.4



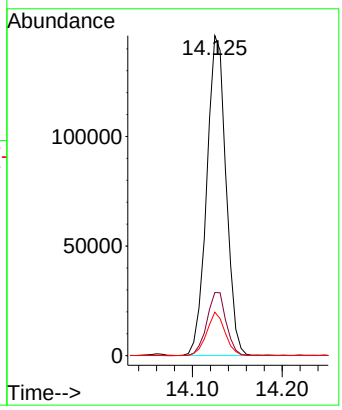


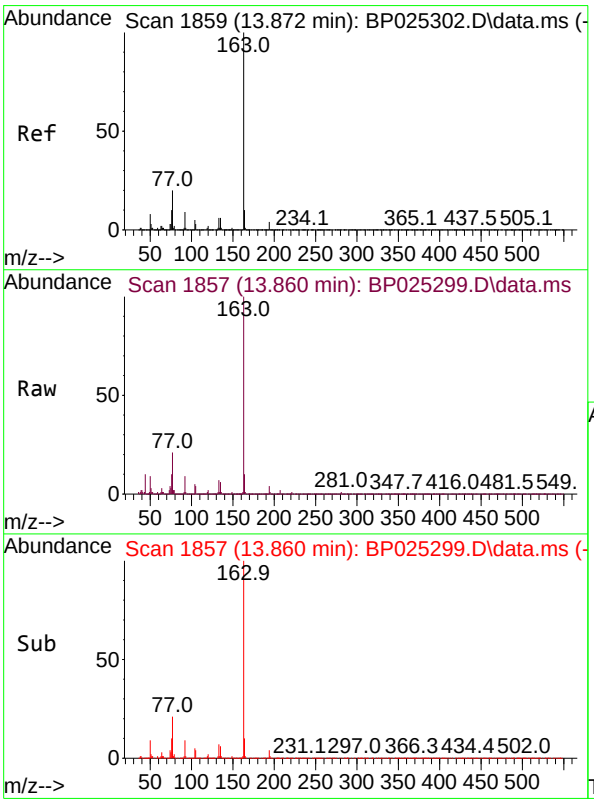
#49
Acenaphthylene
Concen: 4.955 ng
RT: 14.125 min Scan# 19
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 218072

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.6	10.4	15.6

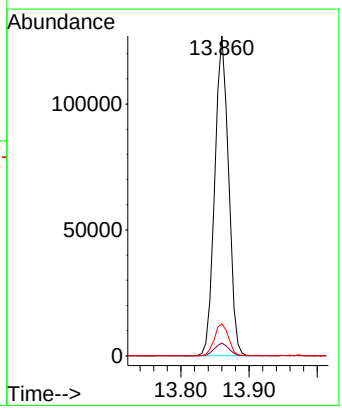


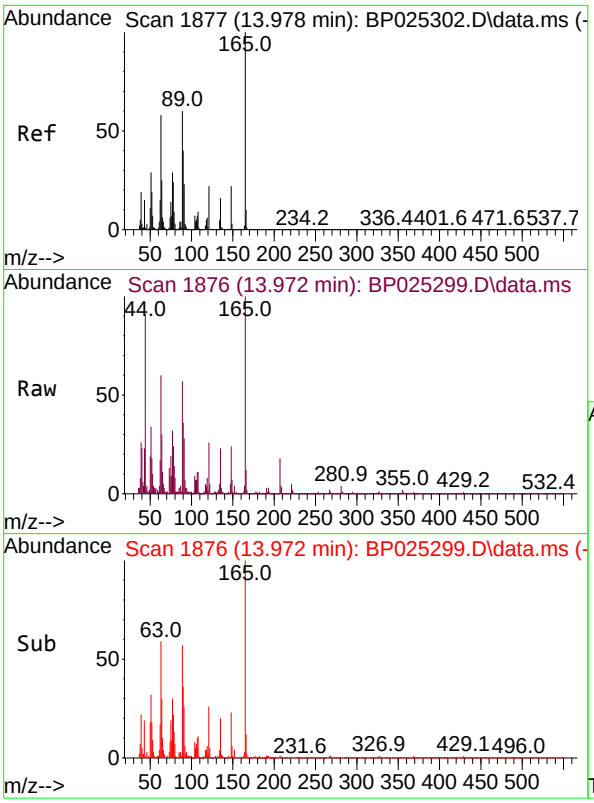


#50
Dimethylphthalate
Concen: 5.220 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:163 Resp: 178572

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.0	12.0



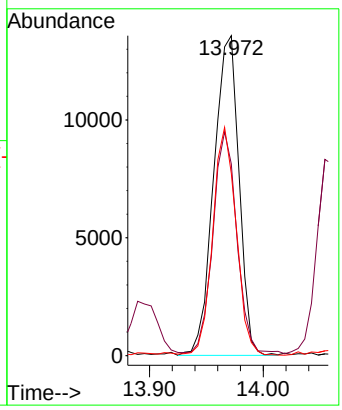


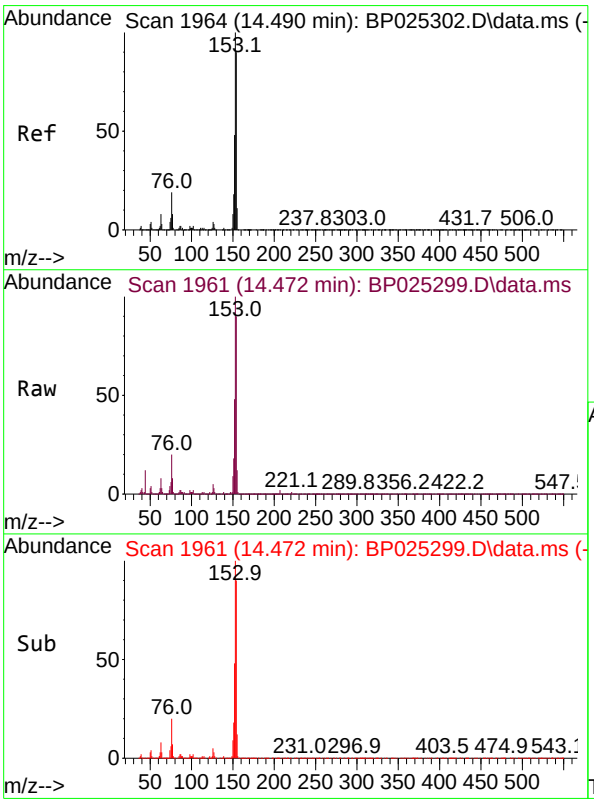
#51
2,6-Dinitrotoluene
Concen: 3.313 ng
RT: 13.972 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 20906

Ion	Ratio	Lower	Upper
165	100		
63	59.9	47.6	71.4
89	56.9	47.8	71.8

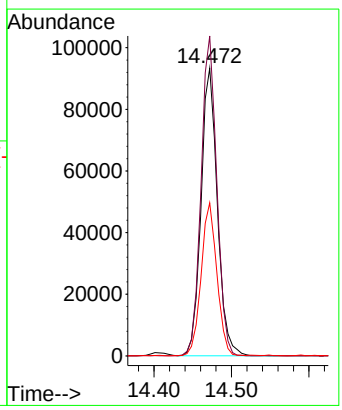


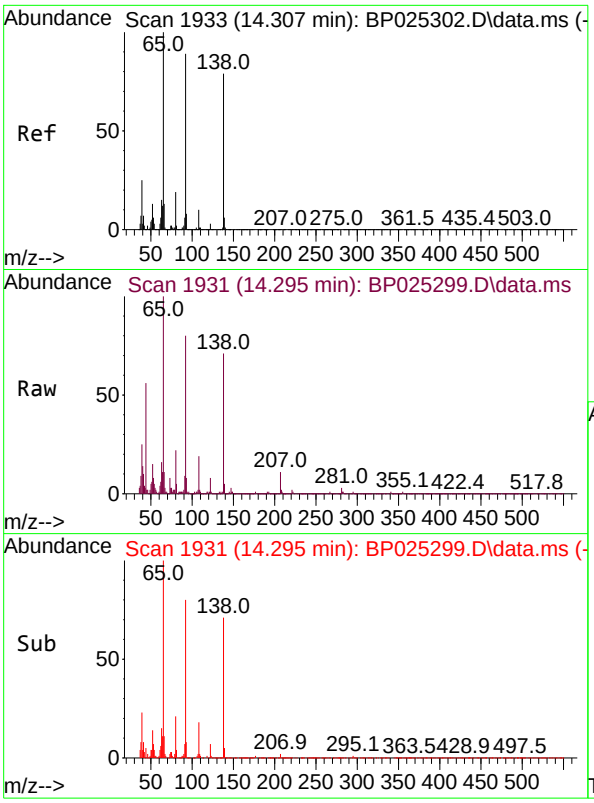


#52
Acenaphthene
Concen: 5.088 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:154 Resp: 136584

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.2	43.0	64.6



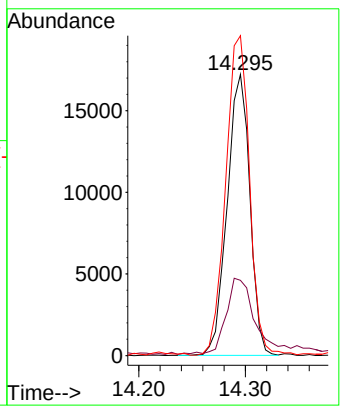


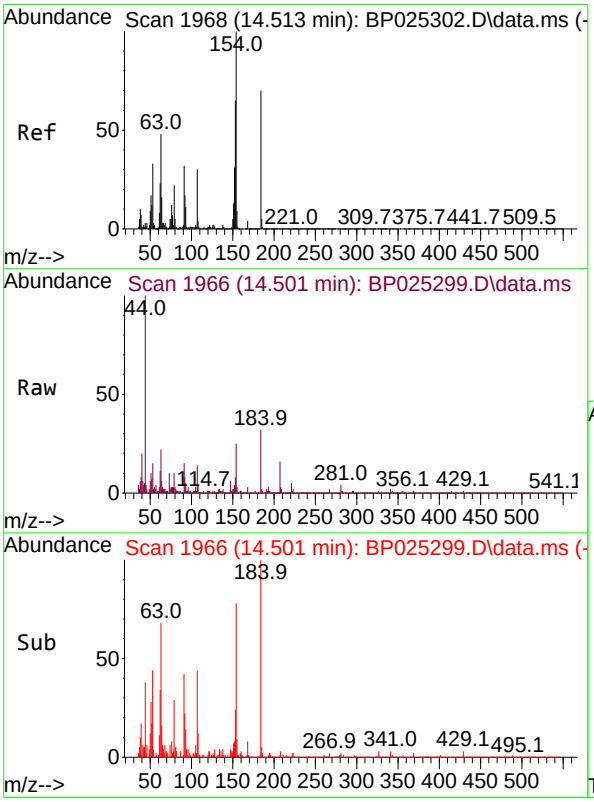
#53
3-Nitroaniline
Concen: 3.445 ng
RT: 14.295 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 25435

Ion	Ratio	Lower	Upper
138	100		
108	26.8	10.5	15.7#
92	113.8	90.9	136.3

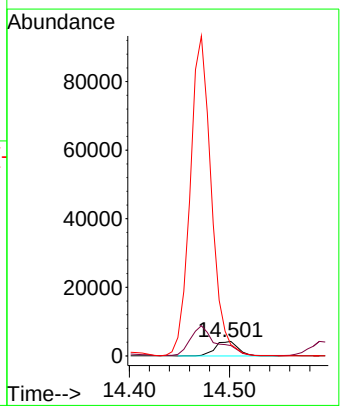


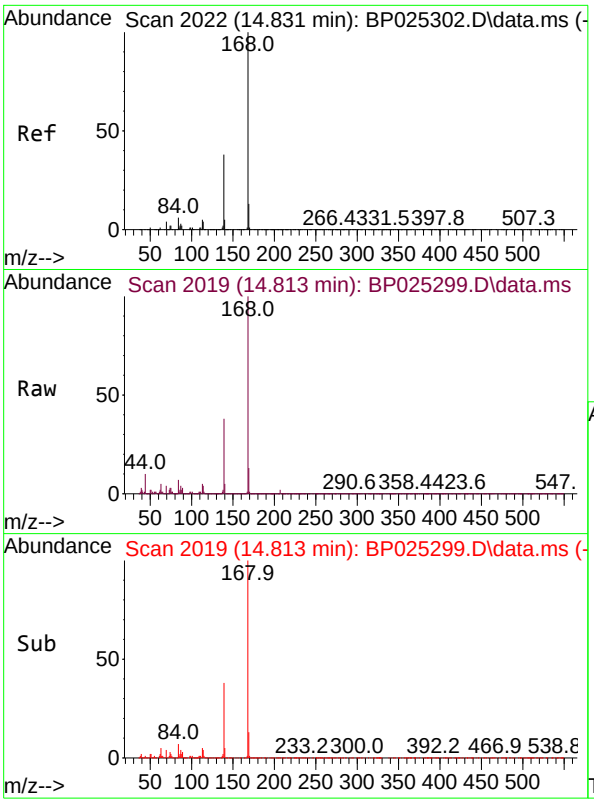


#54
2,4-Dinitrophenol
Concen: 5.889 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:184 Resp: 6732

Ion	Ratio	Lower	Upper
184	100		
63	70.7	56.3	84.5
154	77.9	124.5	186.7#



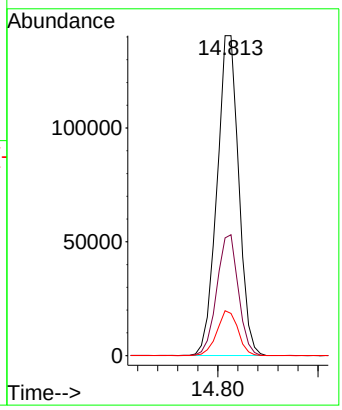


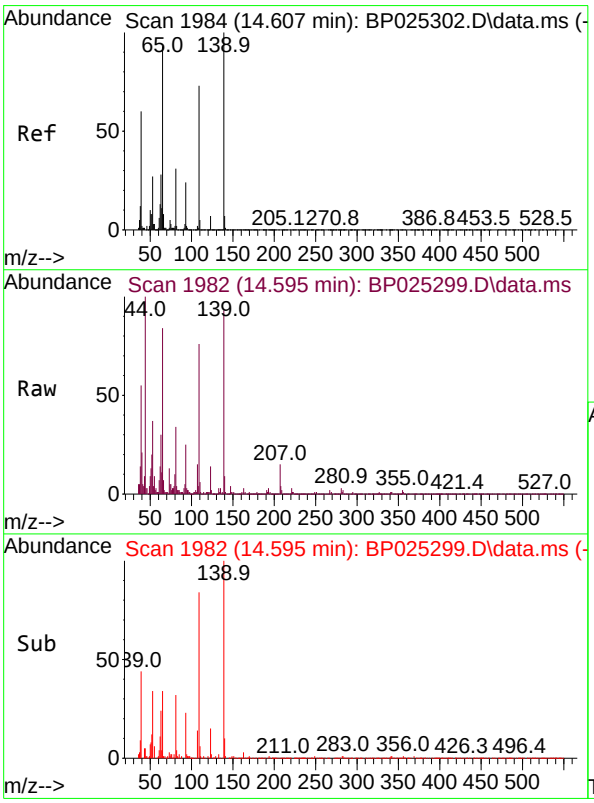
#55
Dibenzofuran
Concen: 5.277 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 211708

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7
169	13.2	10.6	15.8

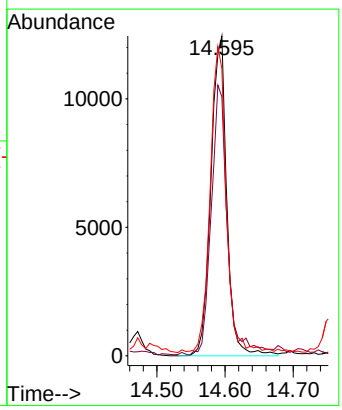


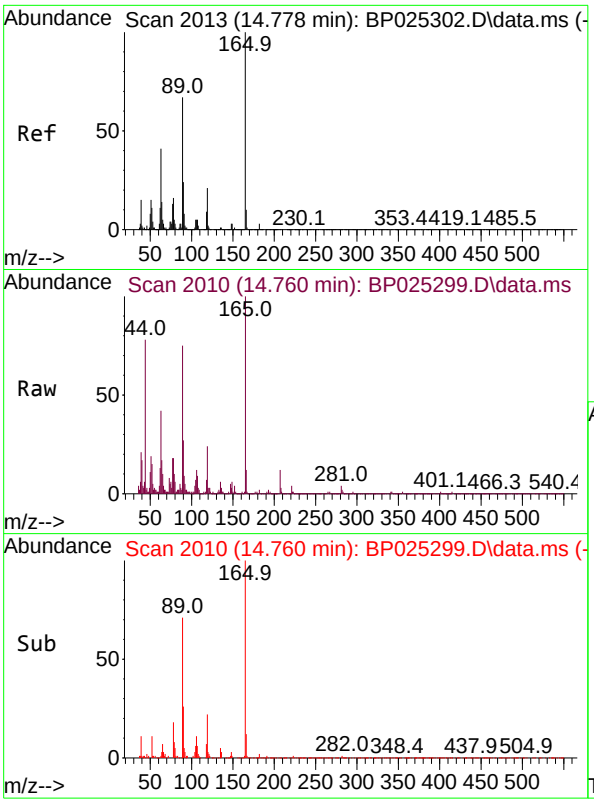


#56
4-Nitrophenol
Concen: 3.077 ng
RT: 14.595 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:139 Resp: 20054

Ion	Ratio	Lower	Upper
139	100		
109	80.9	52.7	92.7
65	89.7	73.4	113.4



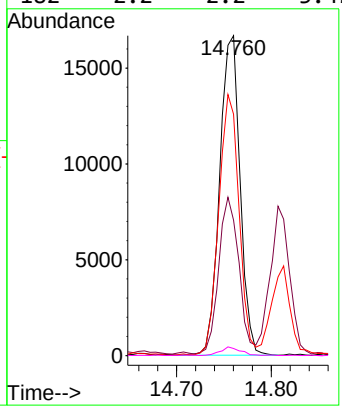


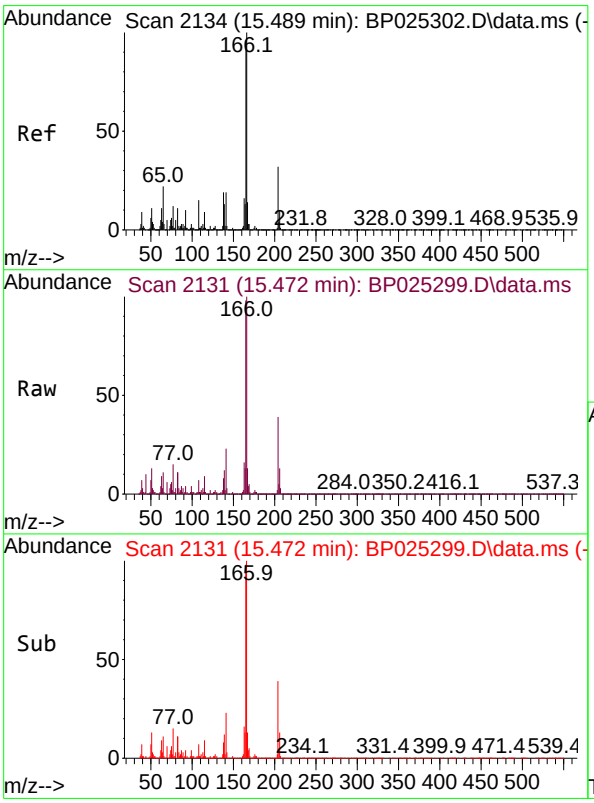
#57
2,4-Dinitrotoluene
Concen: 5.632 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 24944

Ion	Ratio	Lower	Upper
165	100		
63	42.3	33.2	49.8
89	75.4	53.5	80.3
182	2.2	2.2	3.4#

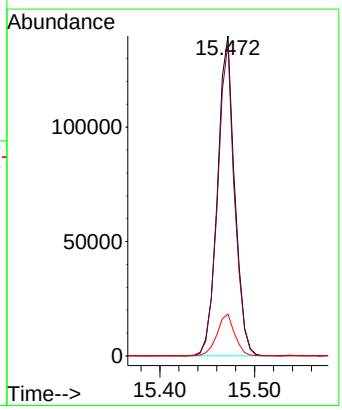


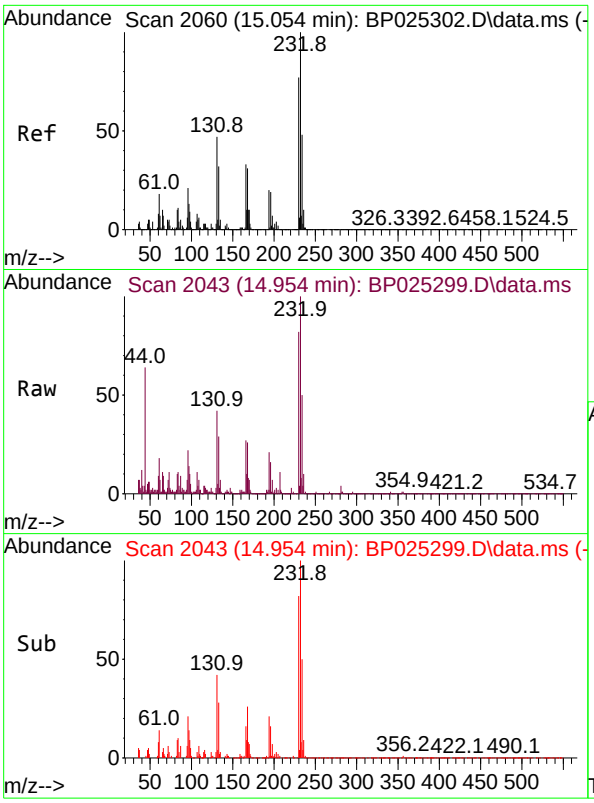


#58
Fluorene
Concen: 5.584 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:166 Resp: 175964

Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.7	115.1
167	13.1	10.9	16.3



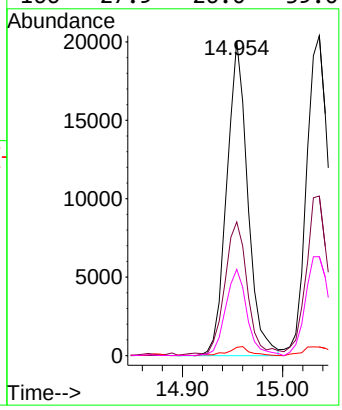


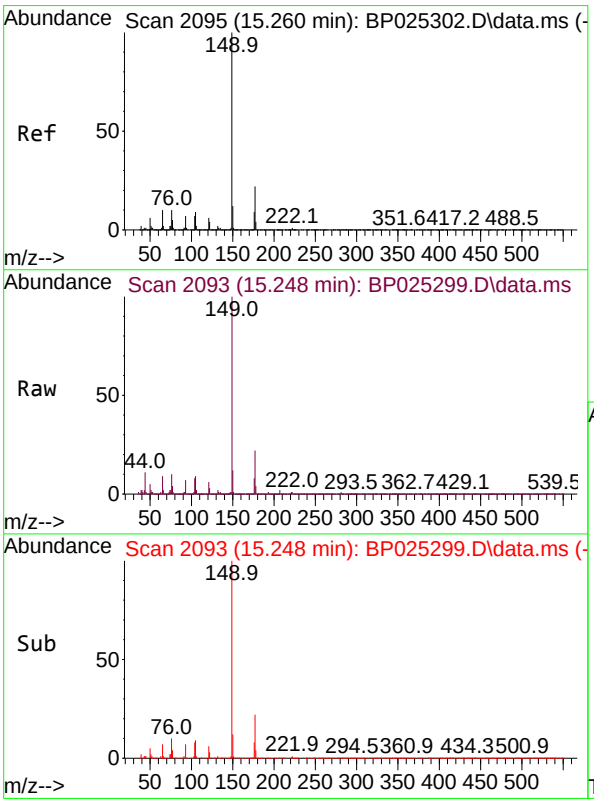
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.737 ng
RT: 14.954 min Scan# 2
Delta R.T. -0.100 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 29157

Ion	Ratio	Lower	Upper
232	100		
131	46.1	39.3	58.9
130	3.0	2.2	3.2
166	27.9	26.0	39.0

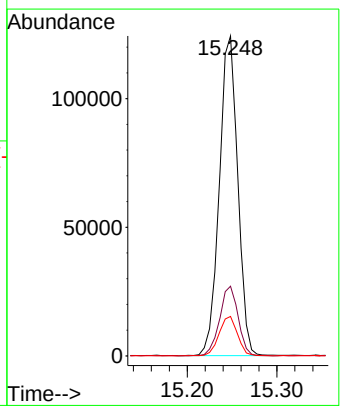


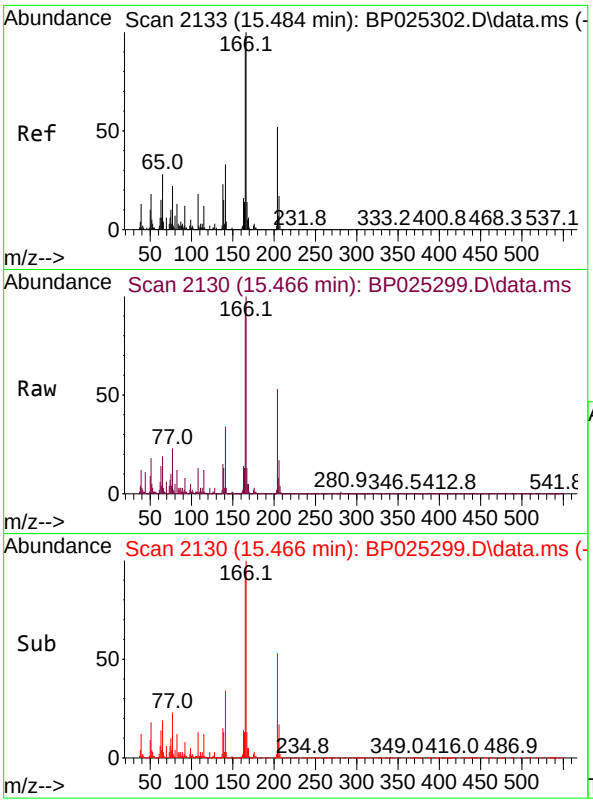


#60
Diethylphthalate
Concen: 5.165 ng
RT: 15.248 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 178152

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8



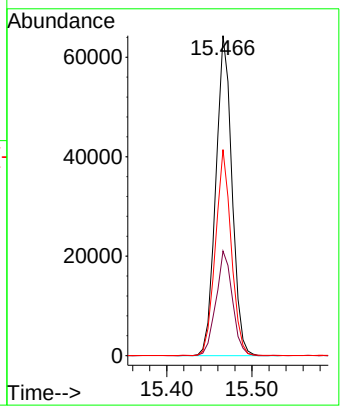


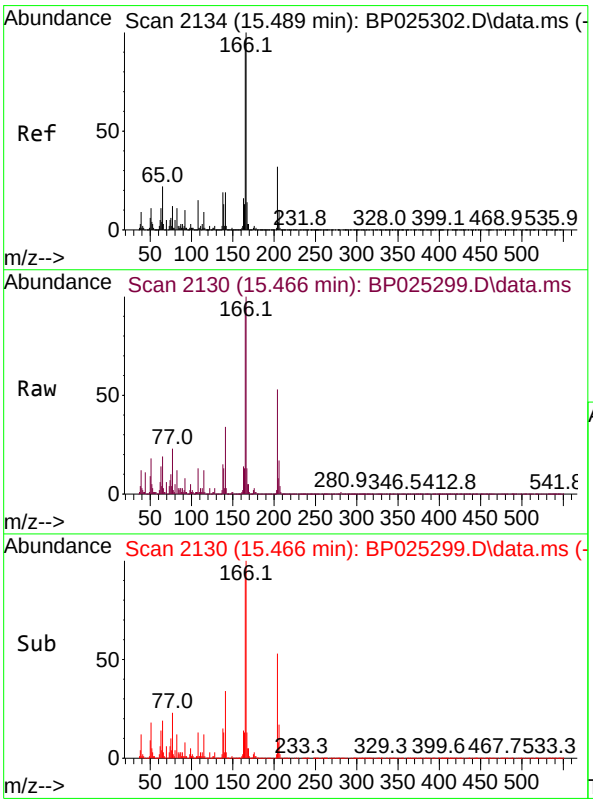
#61
4-Chlorophenyl-phenylether
Concen: 5.671 ng
RT: 15.466 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 84717

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	64.4	50.3	75.5

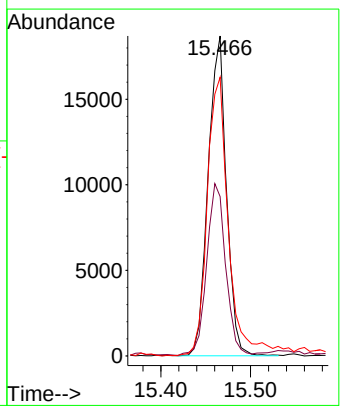


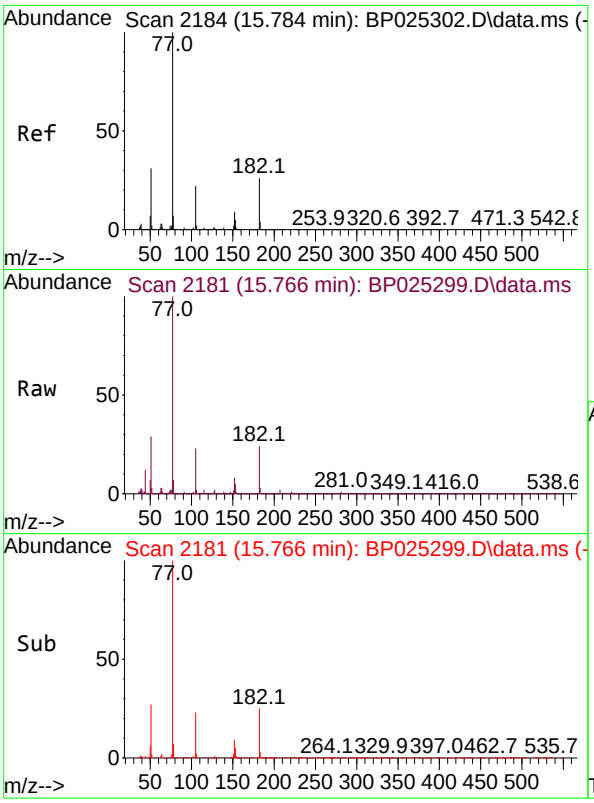


#62
4-Nitroaniline
Concen: 3.637 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:138 Resp: 26612

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	87.1	56.6	96.6



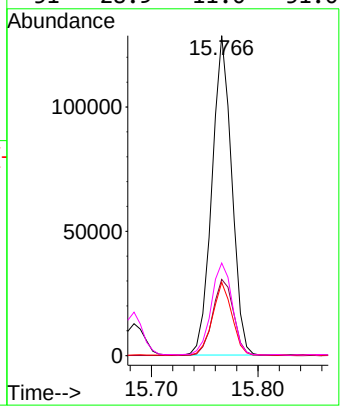


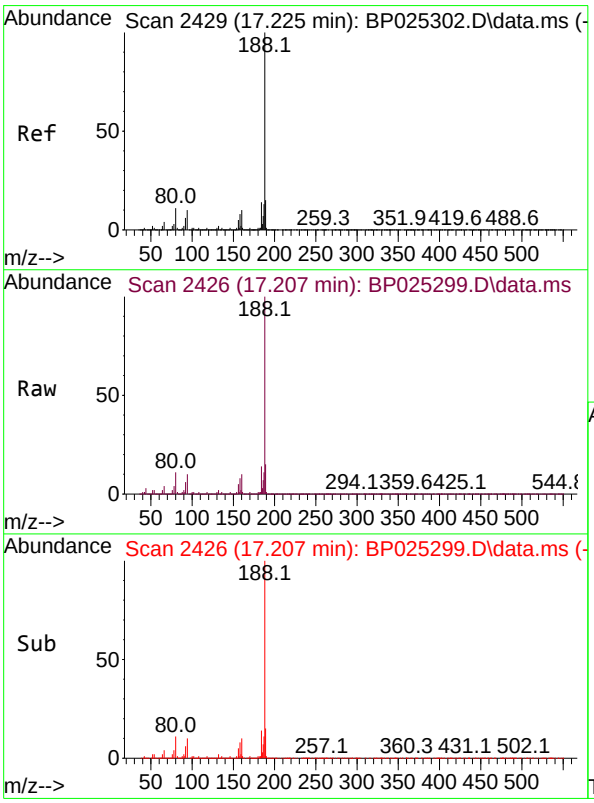
#63
Azobenzene
Concen: 5.170 ng
RT: 15.766 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 165659

Ion	Ratio	Lower	Upper
77	100		
182	23.8	6.0	46.0
105	22.9	2.1	42.1
51	28.9	11.0	51.0

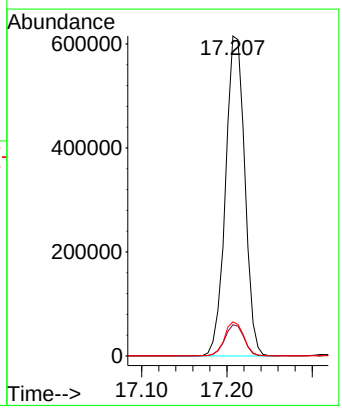


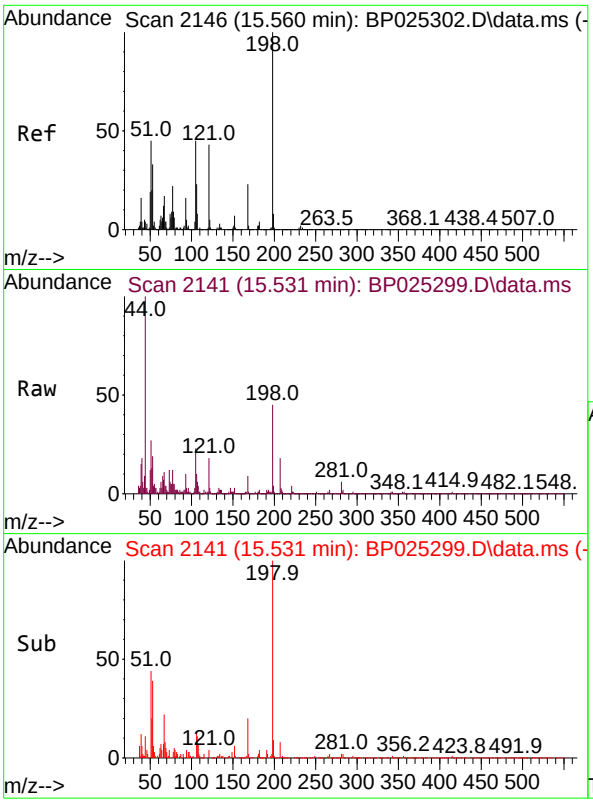


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:188 Resp: 965802

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.0	12.0
80	10.6	8.5	12.7



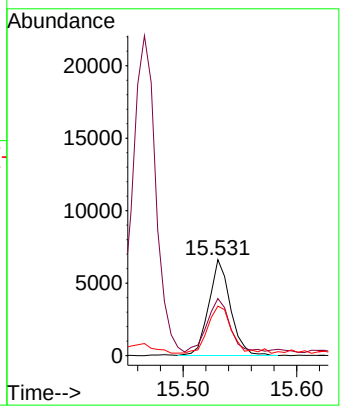


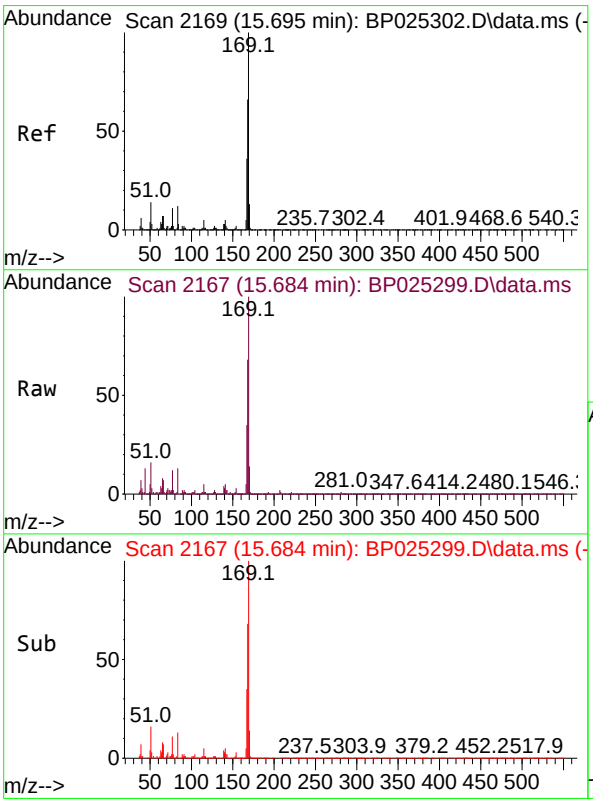
#65
4,6-Dinitro-2-methylphenol
Concen: 7.241 ng
RT: 15.531 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 8759

Ion	Ratio	Lower	Upper
198	100		
51	59.5	26.7	66.7
105	51.6	25.6	65.6

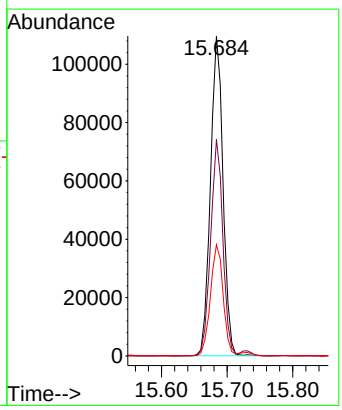


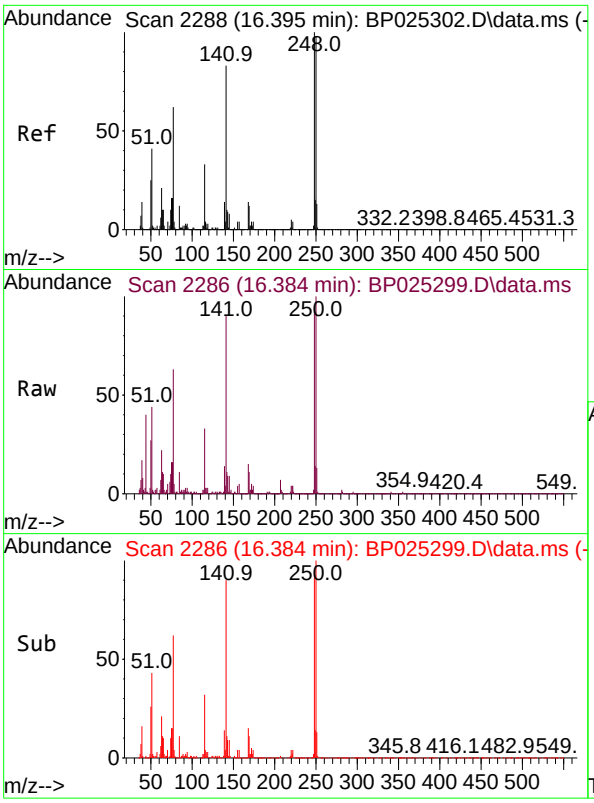


#66
n-Nitrosodiphenylamine
Concen: 4.973 ng
RT: 15.684 min Scan# 2167
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:169 Resp: 146252

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.8	79.2
167	34.7	28.5	42.7



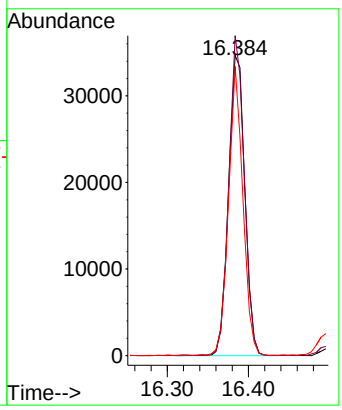


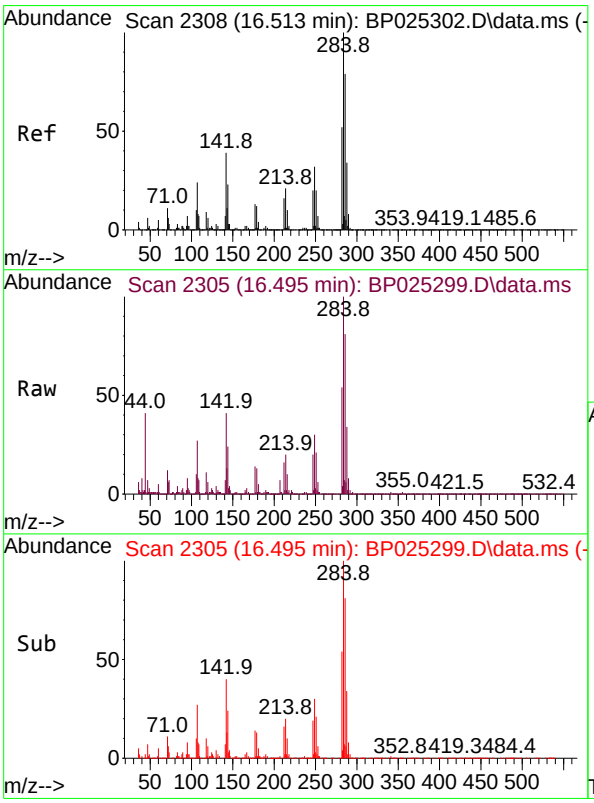
#67
4-Bromophenyl-phenylether
Concen: 4.978 ng
RT: 16.384 min Scan# 2
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 48376

Ion	Ratio	Lower	Upper
248	100		
250	106.6	78.6	117.8
141	96.2	66.6	99.8

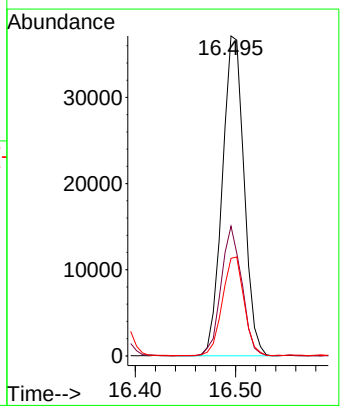


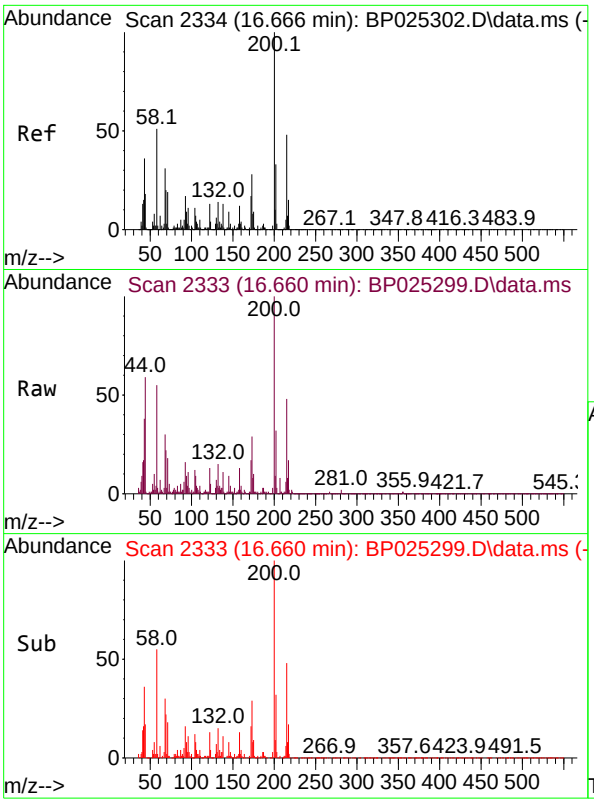


#68
Hexachlorobenzene
Concen: 5.143 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:284 Resp: 56081

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	30.5	25.4	38.0



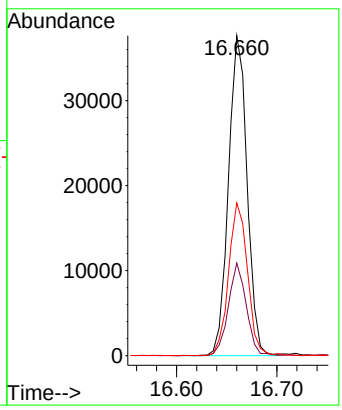


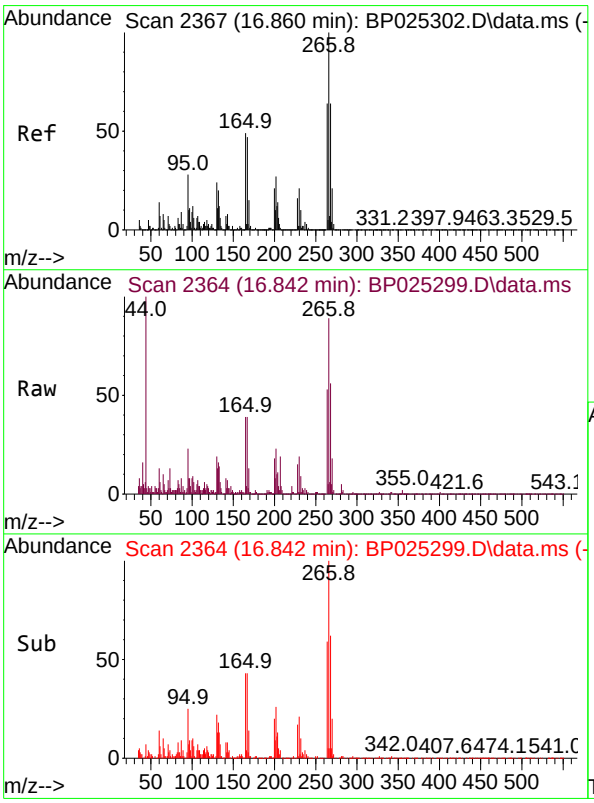
#69
Atrazine
Concen: 4.702 ng
RT: 16.660 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 48622

Ion	Ratio	Lower	Upper
200	100		
173	28.9	8.2	48.2
215	47.7	28.1	68.1

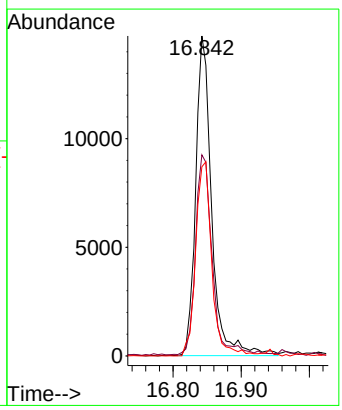


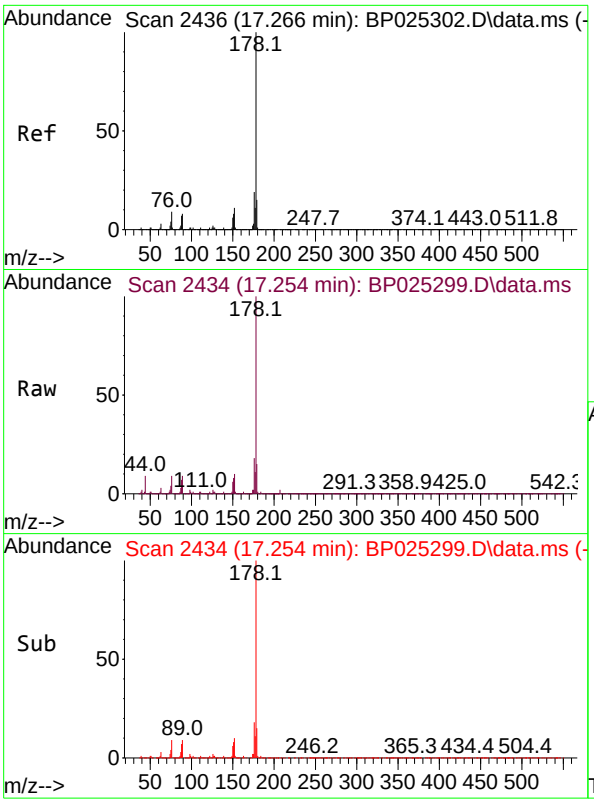


#70
Pentachlorophenol
Concen: 3.466 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:266 Resp: 24076

Ion	Ratio	Lower	Upper
266	100		
268	62.8	51.4	77.0
264	59.1	51.1	76.7



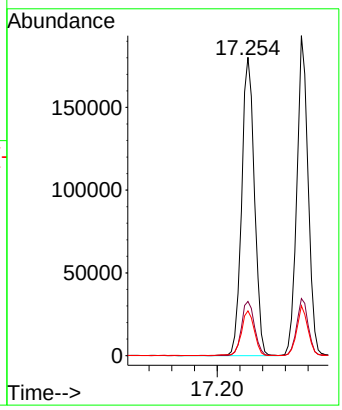


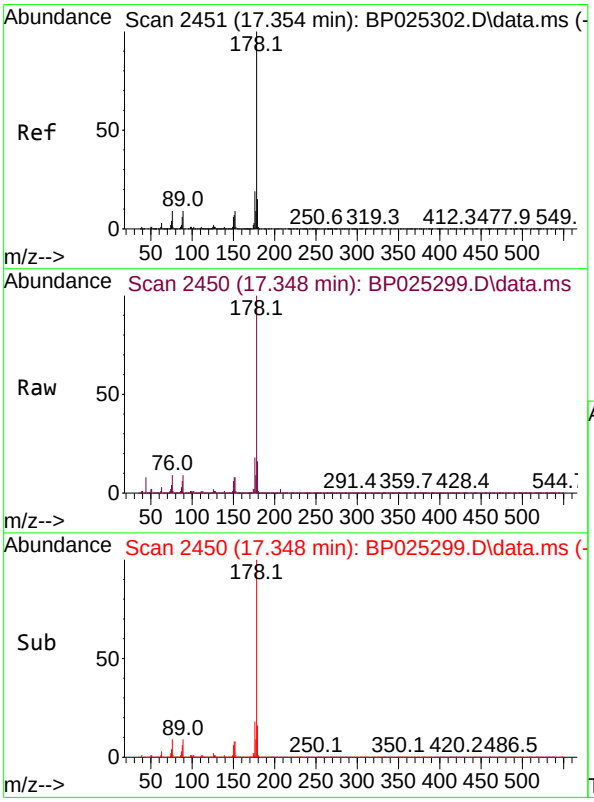
#71
Phenanthrene
Concen: 5.301 ng
RT: 17.254 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 280407

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.0	12.1	18.1

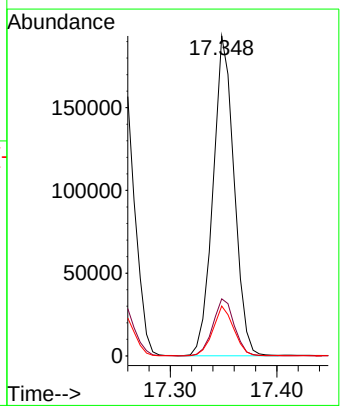


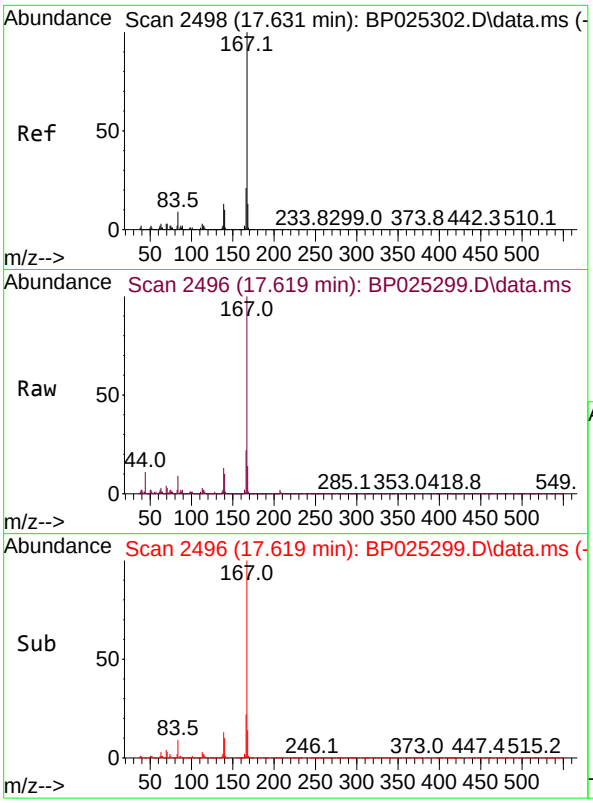


#72
Anthracene
Concen: 4.996 ng
RT: 17.348 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:178 Resp: 266474

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.8	22.2
179	15.6	12.3	18.5



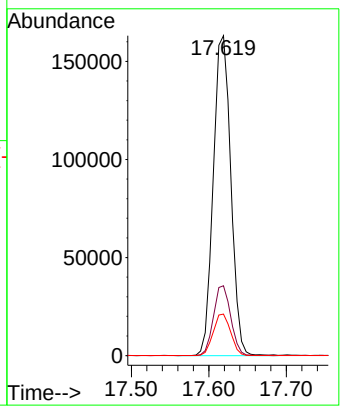


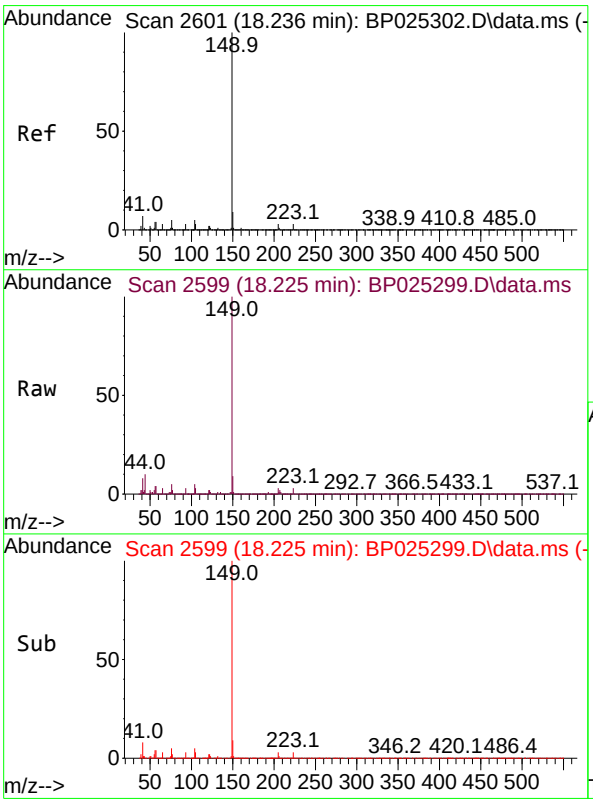
#73
Carbazole
Concen: 5.008 ng
RT: 17.619 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 256385

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.0	10.6	16.0

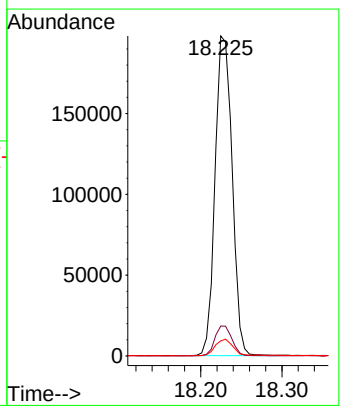


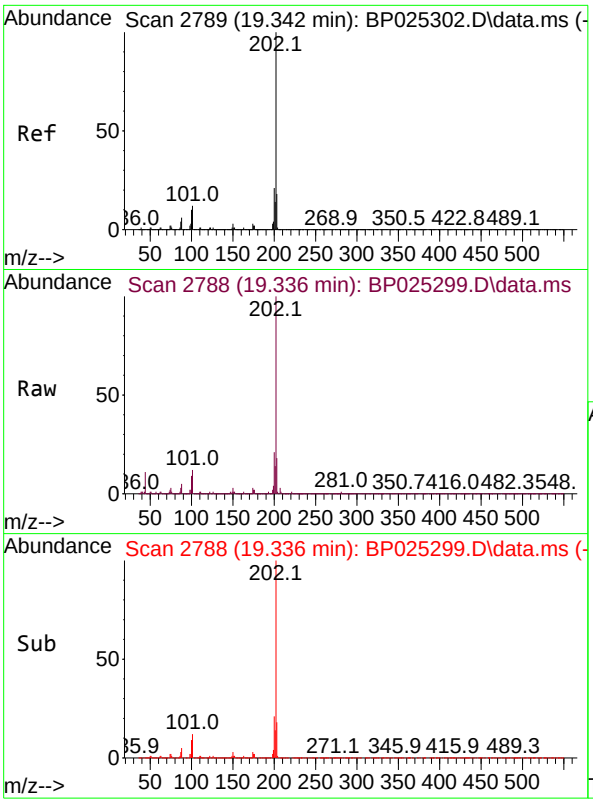


#74
Di-n-butylphthalate
Concen: 4.669 ng
RT: 18.225 min Scan# 2599
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 289176

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.7	4.1	6.1



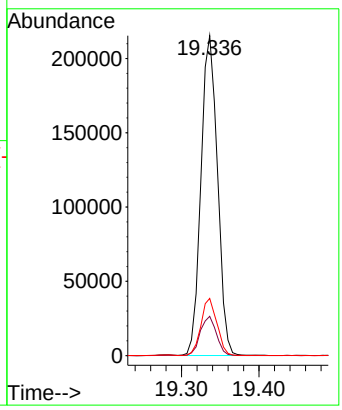


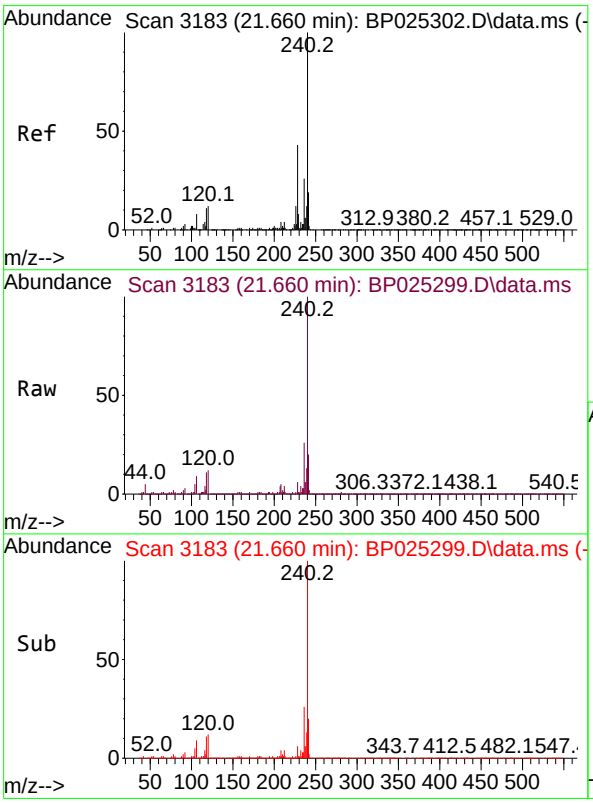
#75
Fluoranthene
Concen: 5.207 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 318877

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.9	0.0	37.6

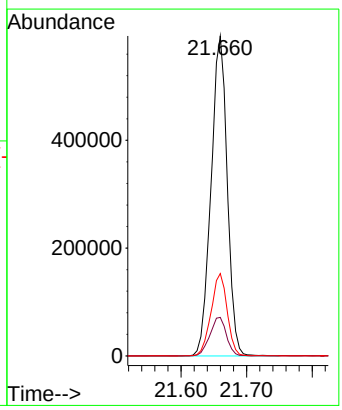


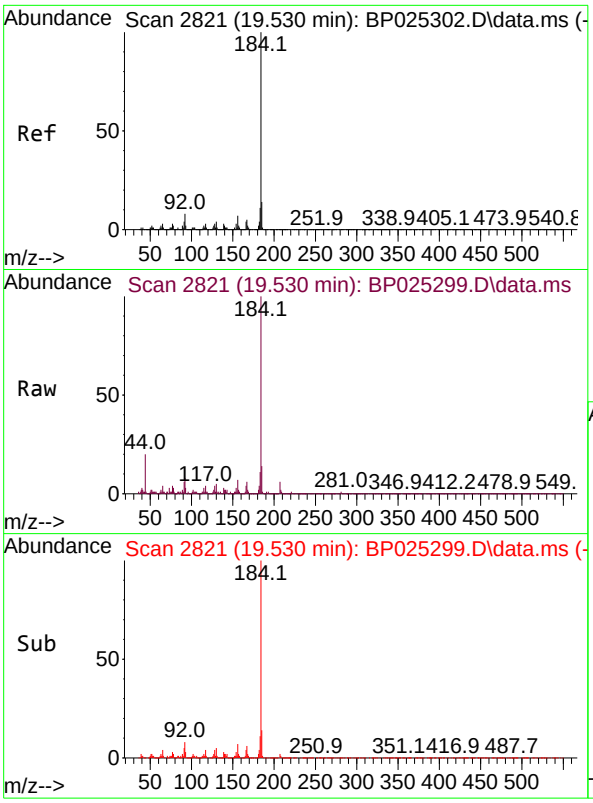


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:240 Resp: 1018856

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.7	20.4	30.6



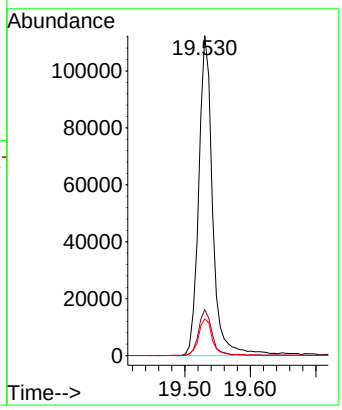


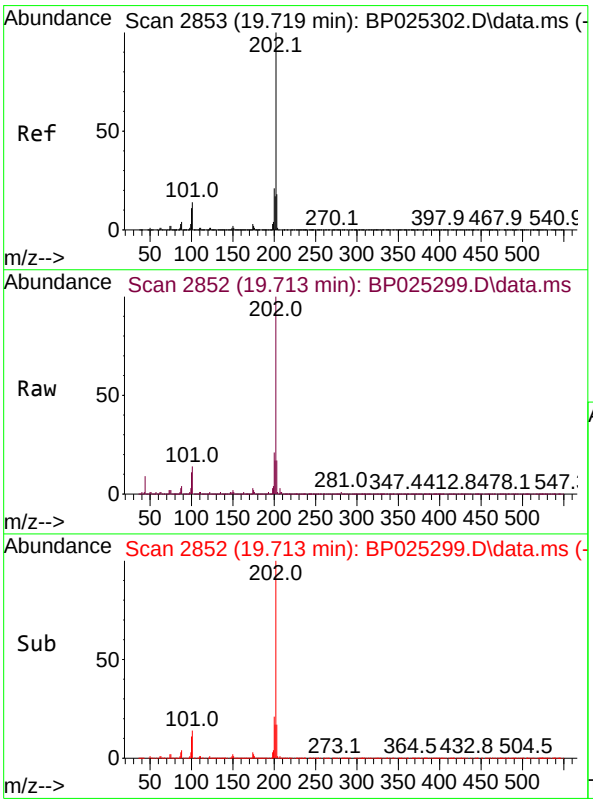
#77
Benzidine
Concen: 4.460 ng
RT: 19.530 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 164483

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.0	16.6
183	11.5	9.2	13.8

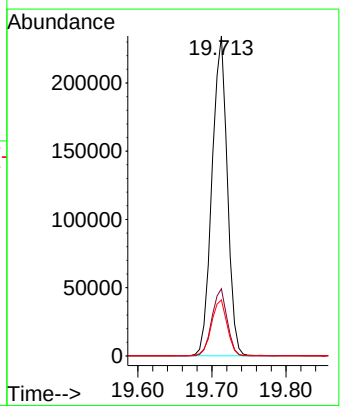


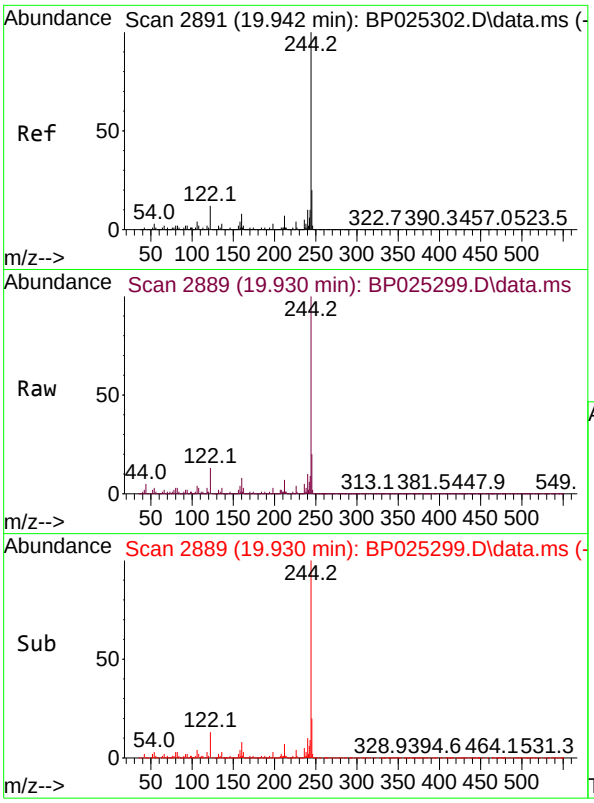


#78
Pyrene
Concen: 4.966 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:202 Resp: 336486

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1



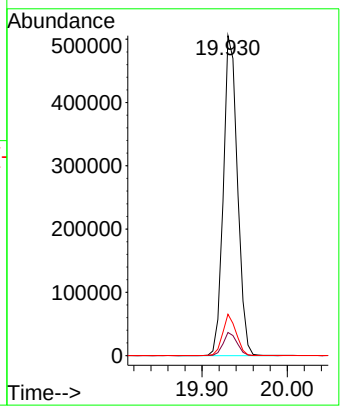


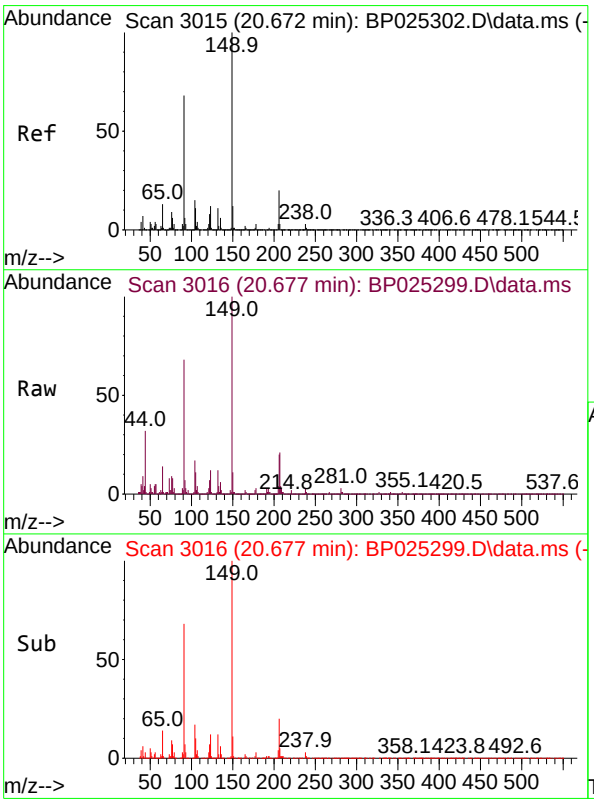
#79
Terphenyl-d14
Concen: 10.771 ng
RT: 19.930 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 580916

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.9	9.5	14.3

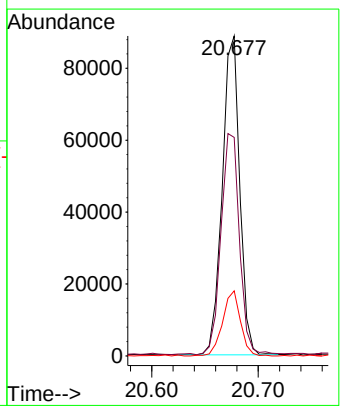


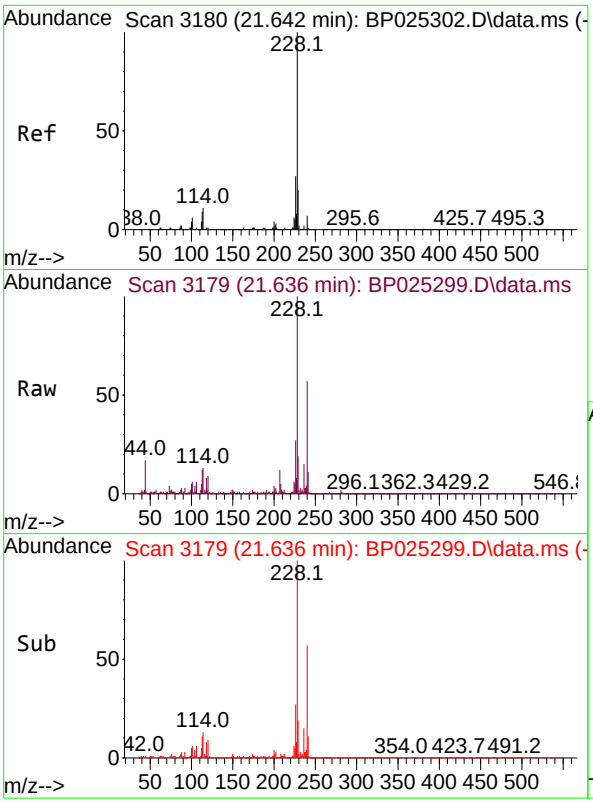


#80
Butylbenzylphthalate
Concen: 3.701 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 101682

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.7	82.1
206	20.3	16.4	24.6



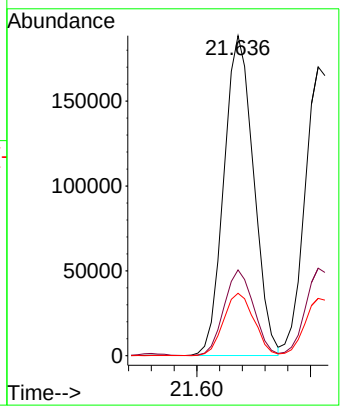


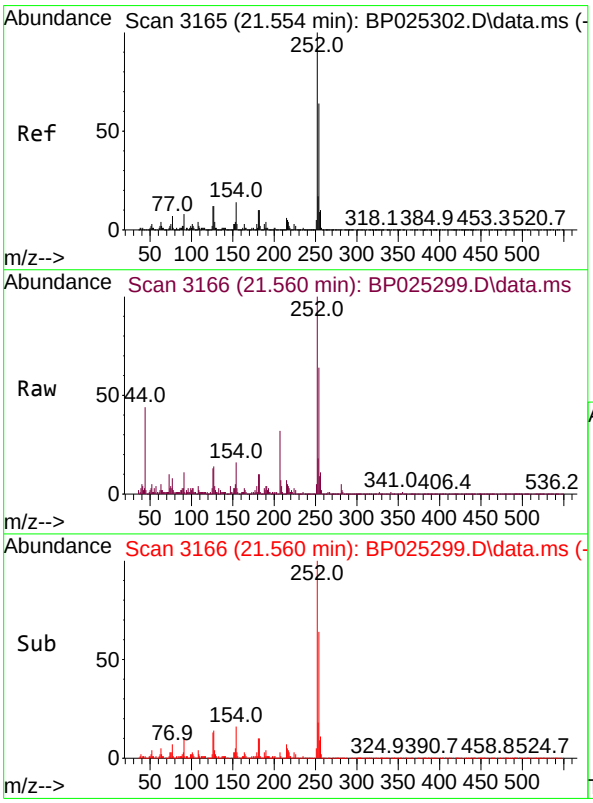
#81
Benzo(a)anthracene
Concen: 5.065 ng
RT: 21.636 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 342927

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.5	16.0	24.0

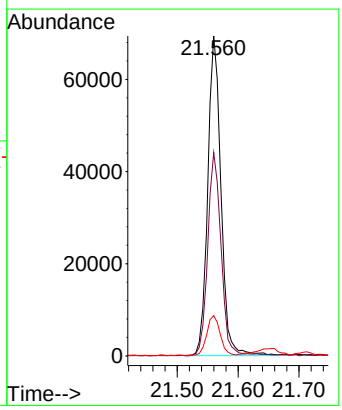


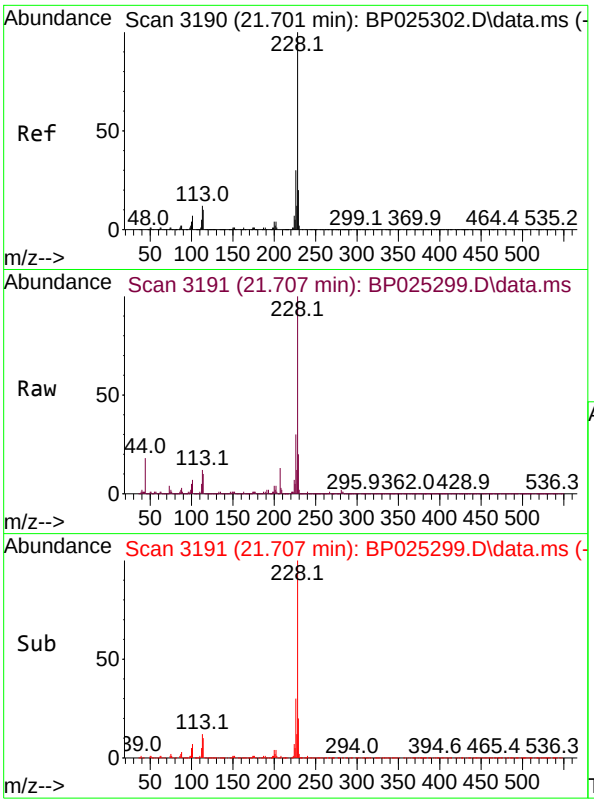


#82
3,3'-Dichlorobenzidine
Concen: 4.392 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 104928

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.0	76.6
126	12.6	9.4	14.2



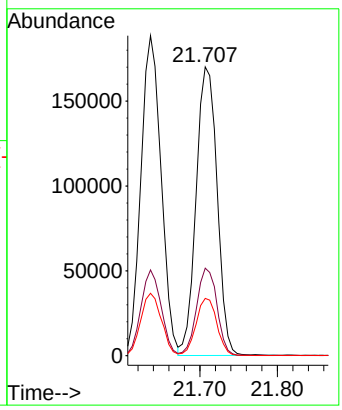


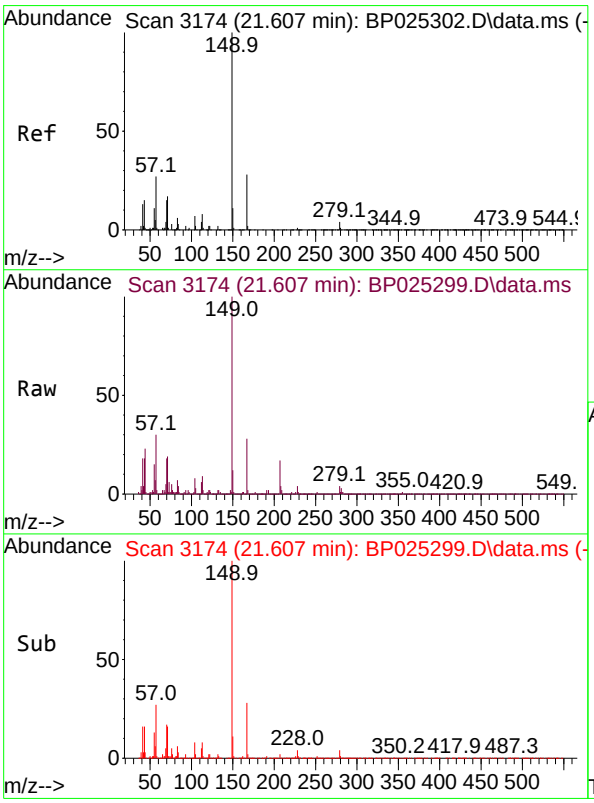
#83
Chrysene
Concen: 5.098 ng
RT: 21.707 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 320171

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.8	15.9	23.9

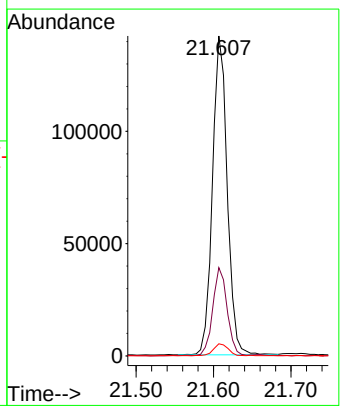


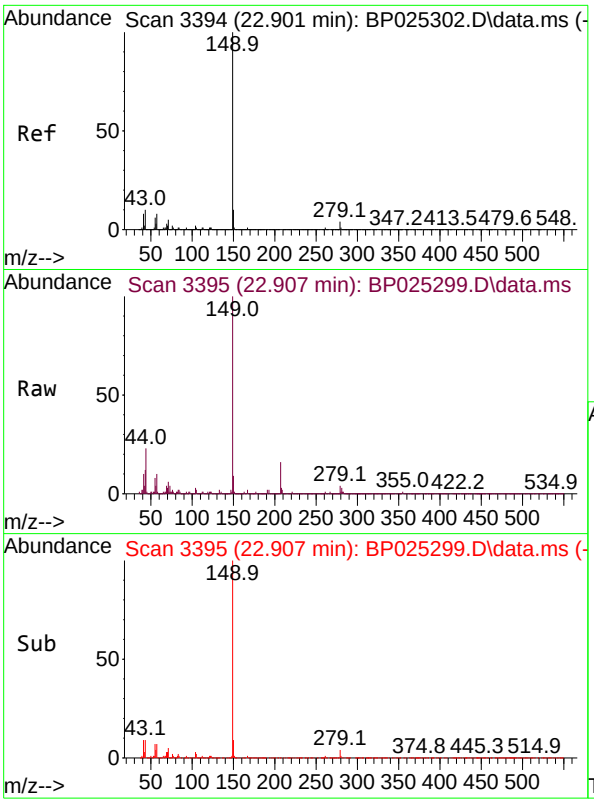


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.269 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:149 Resp: 187300

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	3.8	3.4	5.2



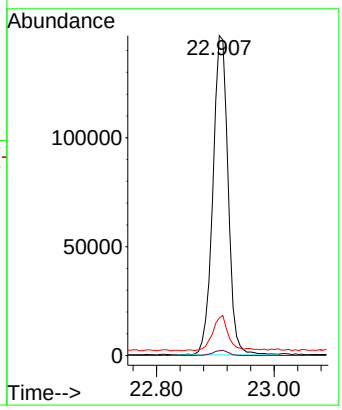


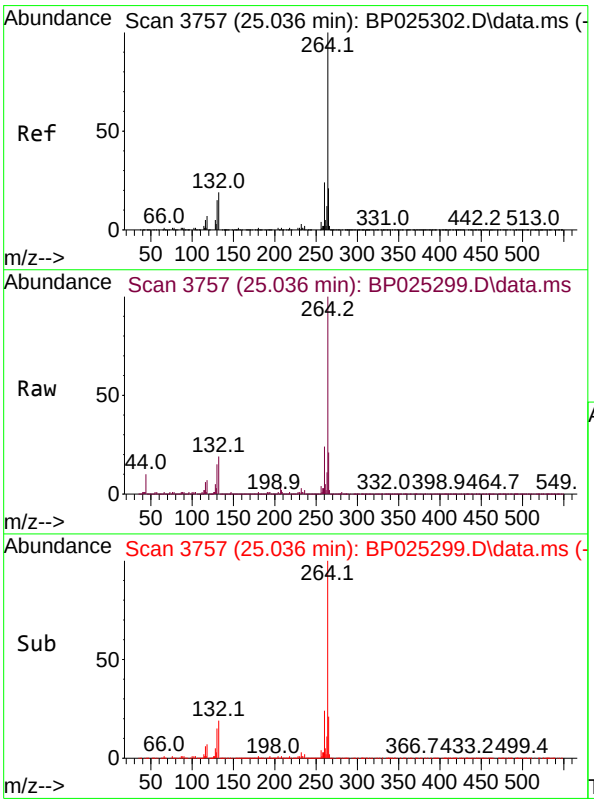
#85
Di-n-octyl phthalate
Concen: 3.589 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 263552

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.8	7.9	11.9

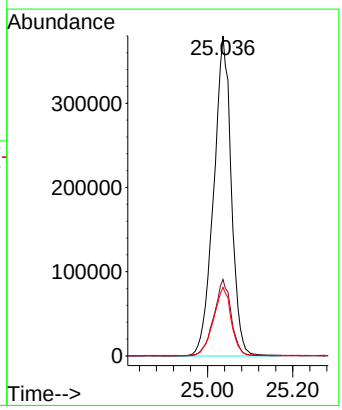


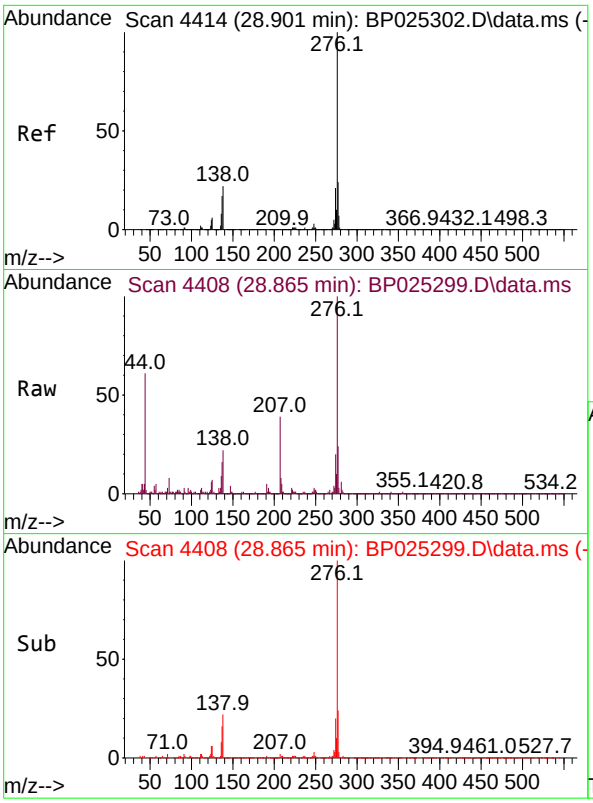


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:264 Resp: 1088697

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.1	25.7



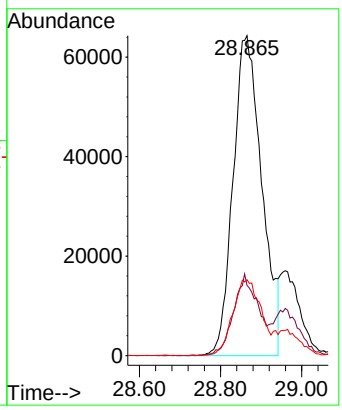


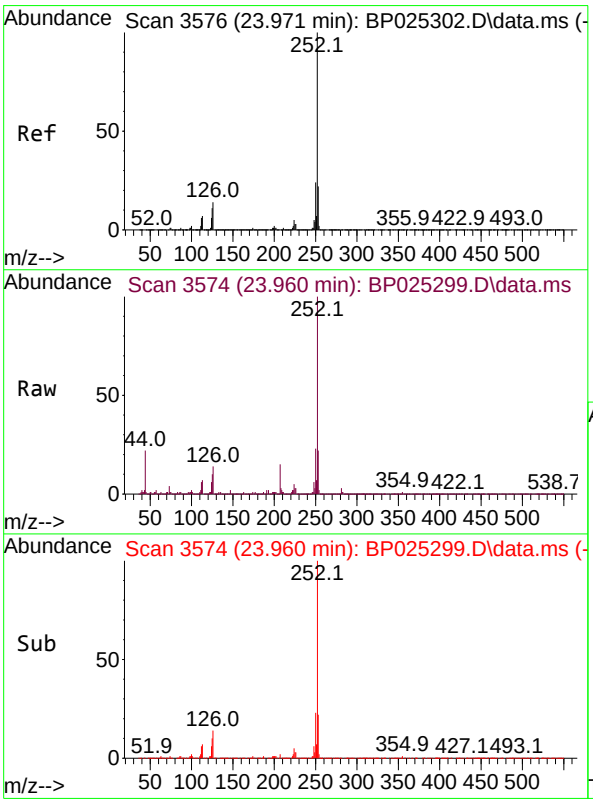
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.050 ng
RT: 28.865 min Scan# 44
Delta R.T. -0.036 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 316477

Ion	Ratio	Lower	Upper
276	100		
138	22.0	14.6	22.0
277	23.0	16.8	25.2

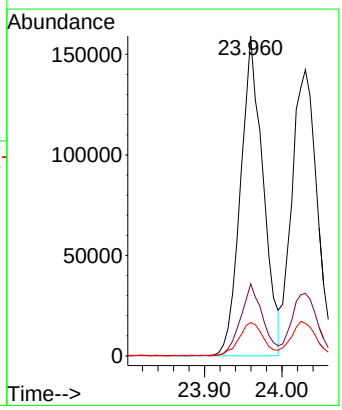


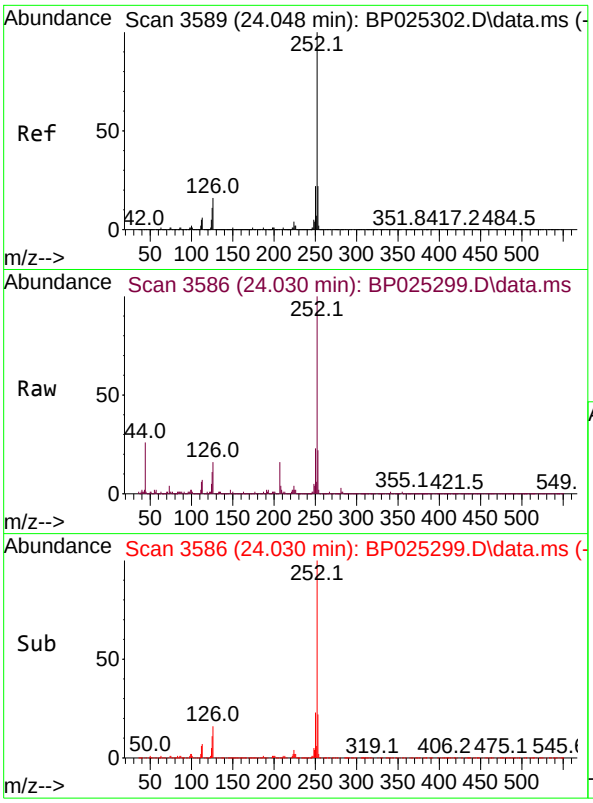


#88
Benzo(b)fluoranthene
Concen: 4.937 ng
RT: 23.960 min Scan# 3574
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 321726

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.5	12.7



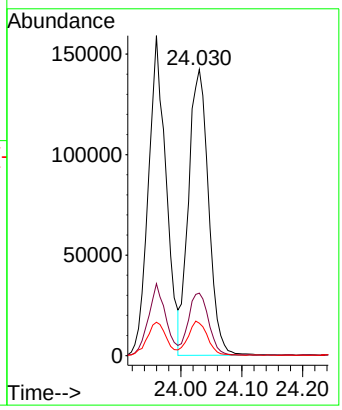


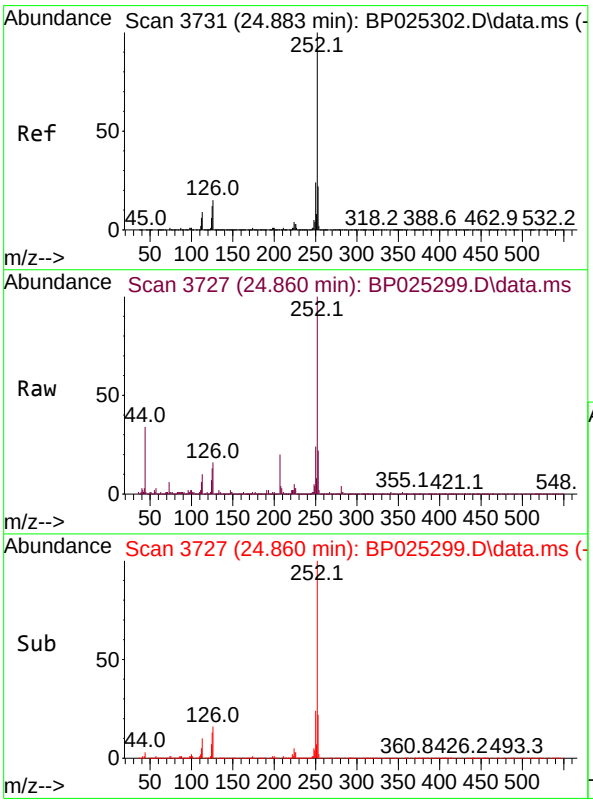
#89
Benzo(k)fluoranthene
Concen: 5.016 ng
RT: 24.030 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 324095

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.3	8.5	12.7

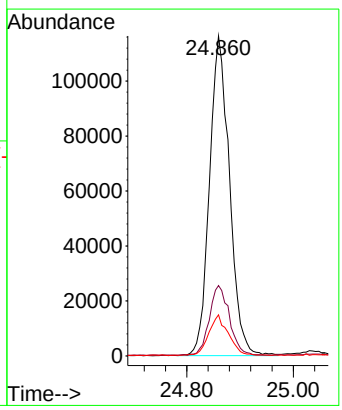


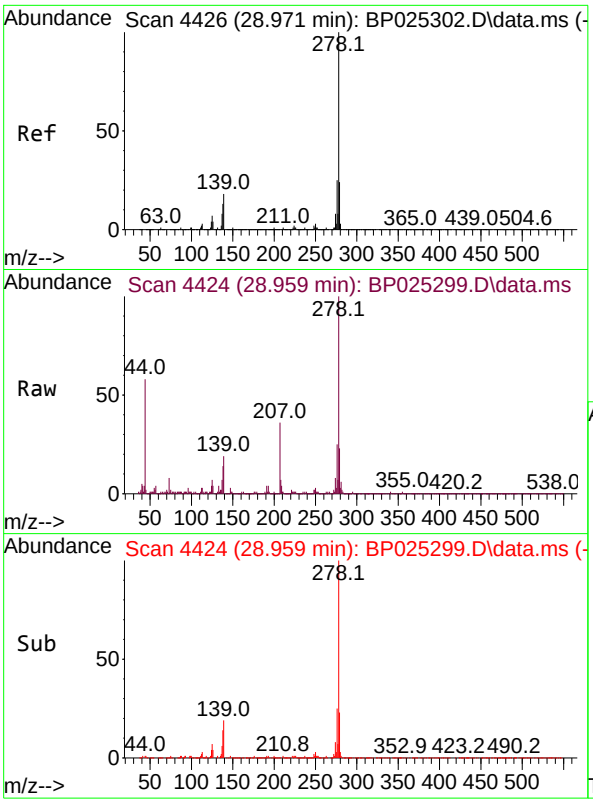


#90
Benzo(a)pyrene
Concen: 4.840 ng
RT: 24.860 min Scan# 3727
Delta R.T. -0.023 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:252 Resp: 303778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.8	9.4	14.0



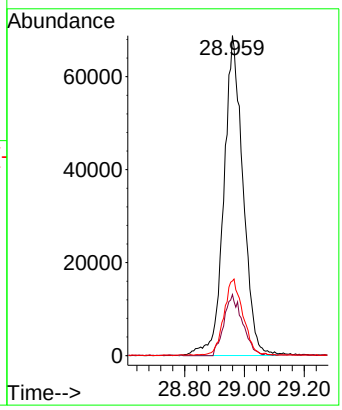


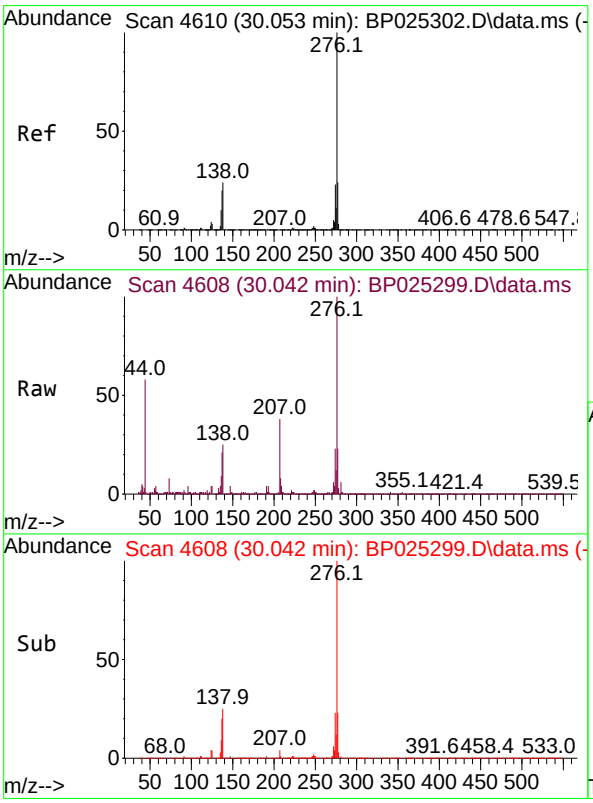
#91
Dibenzo(a,h)anthracene
Concen: 4.833 ng
RT: 28.959 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 308846

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.6	22.0
279	23.3	19.0	28.4

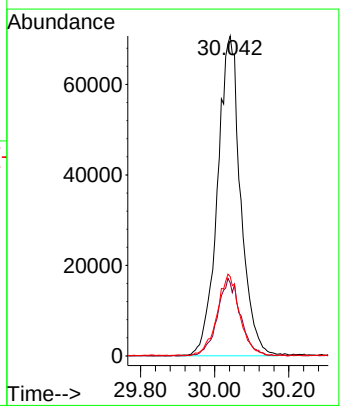




#92
Benzo(g,h,i)perylene
Concen: 4.886 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.011 min
Lab File: BP025299.D
Acq: 05 Aug 2025 12:44

Tgt Ion:276 Resp: 306565

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.3	28.9
138	24.8	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	294592	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1257251	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	772745	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	1545091	20.000	ng		-0.02
76) Chrysene-d12	21.642	240	1541869	20.000	ng		-0.02
86) Perylene-d12	25.018	264	1709357	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.402	112	736938	39.974	ng		0.00
7) Phenol-d6	6.961	99	970685	39.915	ng		0.00
23) Nitrobenzene-d5	8.937	82	943796	40.616	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	325099	40.747	ng		-0.01
45) 2-Fluorobiphenyl	13.031	172	2285838	41.076	ng		0.00
79) Terphenyl-d14	19.925	244	3380656	41.421	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	141085	19.519	ng		98
3) Pyridine	3.725	79	394975	19.668	ng		99
4) n-Nitrosodimethylamine	3.637	42	184663	19.807	ng		97
6) Aniline	7.131	93	650581	19.660	ng		100
8) 2-Chlorophenol	7.366	128	399216	19.912	ng		99
9) Benzaldehyde	6.943	77	319029	18.633	ng		98
10) Phenol	6.984	94	509021	19.736	ng		99
11) bis(2-Chloroethyl)ether	7.225	93	400605	19.823	ng		99
12) 1,3-Dichlorobenzene	7.696	146	449548	19.955	ng		99
13) 1,4-Dichlorobenzene	7.837	146	452555	19.856	ng		99
14) 1,2-Dichlorobenzene	8.149	146	439038	19.885	ng		98
15) Benzyl Alcohol	8.025	79	362188	19.383	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	635912	19.920	ng		98
17) 2-Methylphenol	8.225	107	340407	19.724	ng		98
18) Hexachloroethane	8.878	117	158949	19.501	ng		98
19) n-Nitroso-di-n-propyla...	8.590	70	312863	19.754	ng		99
20) 3+4-Methylphenols	8.543	107	461472	19.418	ng		98
22) Acetophenone	8.607	105	640590	20.296	ng	#	99
24) Nitrobenzene	8.978	77	435932	20.293	ng		100
25) Isophorone	9.502	82	882394	19.534	ng		99
26) 2-Nitrophenol	9.684	139	144380	17.898	ng		99
27) 2,4-Dimethylphenol	9.743	122	387180	18.591	ng		94
28) bis(2-Chloroethoxy)met...	9.984	93	549341	19.991	ng		99
29) 2,4-Dichlorophenol	10.213	162	368492	20.210	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	407796	20.272	ng		98
31) Naphthalene	10.625	128	1313112	20.119	ng		100
32) Benzoic acid	9.831	122	159597	19.976	ng		98
33) 4-Chloroaniline	10.719	127	578033	19.913	ng		99
34) Hexachlorobutadiene	10.919	225	232981	20.177	ng		99
35) Caprolactam	11.454	113	132591	18.704	ng		96
36) 4-Chloro-3-methylphenol	11.831	107	410728	19.468	ng		97
37) 2-Methylnaphthalene	12.225	142	836183	19.794	ng		97
38) 1-Methylnaphthalene	12.443	142	884130	20.058	ng		99
40) 1,2,4,5-Tetrachloroben...	12.596	216	435991	20.666	ng		99
41) Hexachlorocyclopentadiene	12.584	237	250447	19.234	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	277071	20.330	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

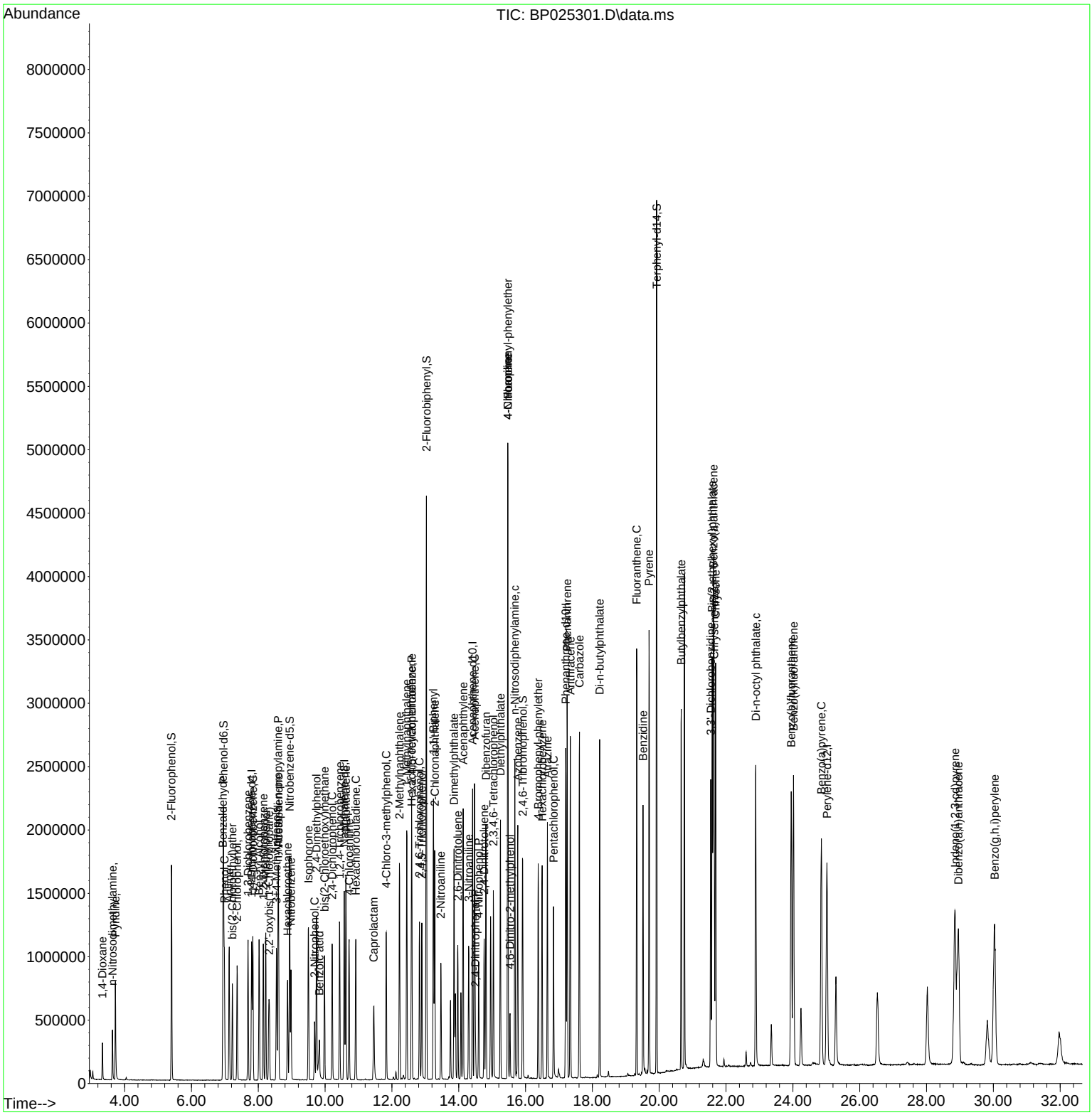
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	315277	20.622	ng		98
46) 1,1'-Biphenyl	13.243	154	1177906	20.684	ng		100
47) 2-Chloronaphthalene	13.284	162	893709	20.570	ng		99
48) 2-Nitroaniline	13.466	65	221835	19.318	ng		98
49) Acenaphthylene	14.131	152	1469277	20.274	ng		100
50) Dimethylphthalate	13.860	163	1136145	20.169	ng		100
51) 2,6-Dinitrotoluene	13.972	165	214760	20.669	ng		96
52) Acenaphthene	14.472	154	893336	20.209	ng		100
53) 3-Nitroaniline	14.295	138	244949	20.146	ng		97
54) 2,4-Dinitrophenol	14.501	184	62185	20.728	ng	#	64
55) Dibenzofuran	14.813	168	1340675	20.295	ng		99
56) 4-Nitrophenol	14.595	139	208471	19.428	ng		99
57) 2,4-Dinitrotoluene	14.760	165	278602	19.379	ng		88
58) Fluorene	15.466	166	1065702	20.540	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	261795	20.379	ng		99
60) Diethylphthalate	15.248	149	1157469	20.380	ng		100
61) 4-Chlorophenyl-phenyle...	15.472	204	502874	20.445	ng		97
62) 4-Nitroaniline	15.472	138	250280	20.775	ng		99
63) Azobenzene	15.766	77	1062864	20.145	ng		100
65) 4,6-Dinitro-2-methylph...	15.537	198	96827	20.007	ng		97
66) n-Nitrosodiphenylamine	15.678	169	954626	20.292	ng		99
67) 4-Bromophenyl-phenylether	16.378	248	311442	20.033	ng		98
68) Hexachlorobenzene	16.495	284	345386	19.800	ng		100
69) Atrazine	16.654	200	336474	20.337	ng		98
70) Pentachlorophenol	16.836	266	214251	19.278	ng		98
71) Phenanthrene	17.242	178	1695710	20.038	ng		99
72) Anthracene	17.342	178	1744320	20.442	ng		100
73) Carbazole	17.613	167	1677911	20.485	ng		100
74) Di-n-butylphthalate	18.219	149	2066393	20.853	ng		99
75) Fluoranthene	19.325	202	1994945	20.364	ng		99
77) Benzidine	19.513	184	1175553	21.065	ng		100
78) Pyrene	19.695	202	2081509	20.301	ng		99
80) Butylbenzylphthalate	20.660	149	854396	20.547	ng		100
81) Benzo(a)anthracene	21.619	228	2092336	20.421	ng		99
82) 3,3'-Dichlorobenzidine	21.542	252	745703	20.628	ng		99
83) Chrysene	21.689	228	1938698	20.400	ng		99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1391559	20.958	ng		99
85) Di-n-octyl phthalate	22.889	149	2211074	19.895	ng		99
87) Indeno(1,2,3-cd)pyrene	28.854	276	2153502	17.551	ng		94
88) Benzo(b)fluoranthene	23.954	252	2040906	19.945	ng		99
89) Benzo(k)fluoranthene	24.018	252	2032226	20.034	ng		99
90) Benzo(a)pyrene	24.854	252	1962673	19.917	ng		99
91) Dibenzo(a,h)anthracene	28.953	278	1992808	19.860	ng		98
92) Benzo(g,h,i)perylene	30.036	276	1964046	19.938	ng		98

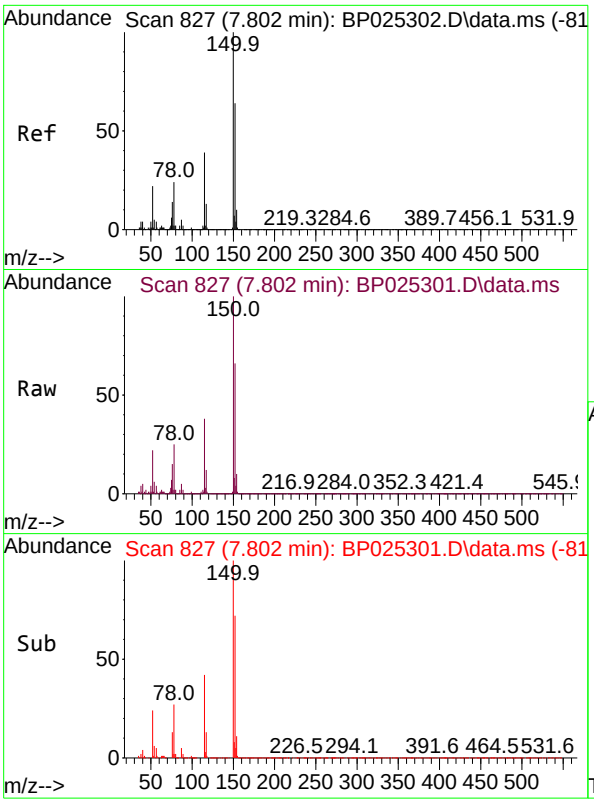
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025301.D
Acq On : 05 Aug 2025 14:06
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 06 06:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



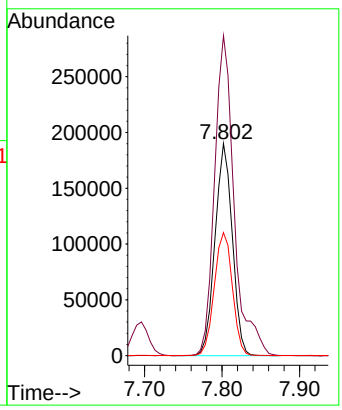


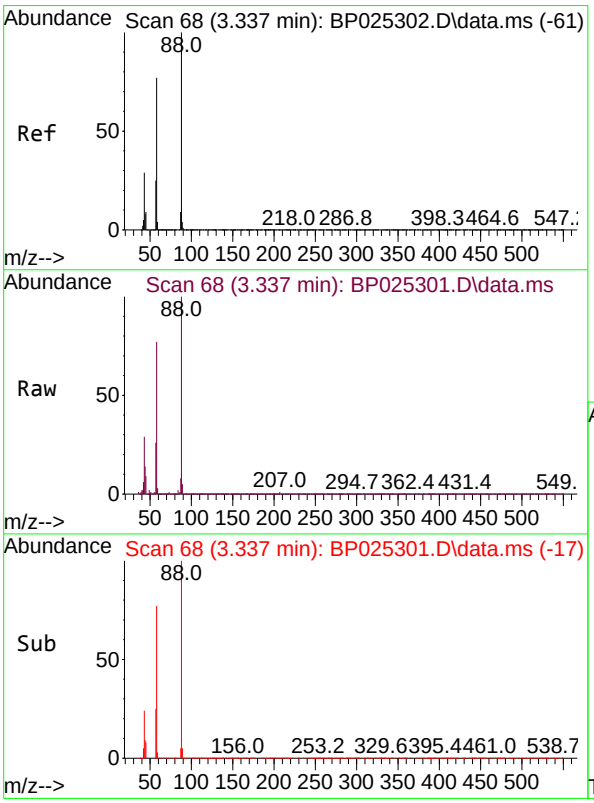
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 294592

Ion	Ratio	Lower	Upper
152	100		
150	150.9	125.1	187.7
115	58.0	48.4	72.6

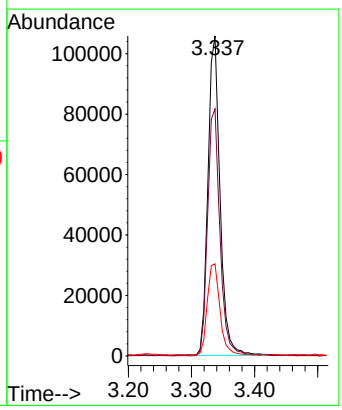


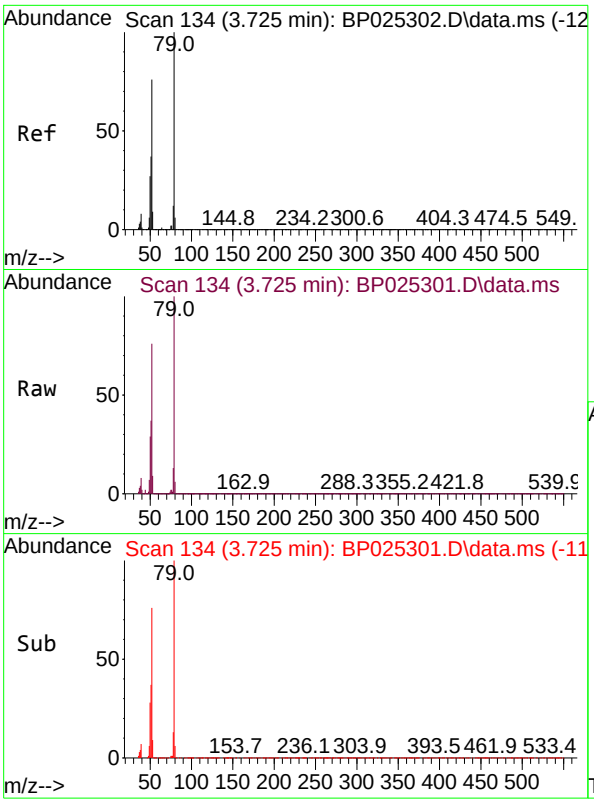


#2
1,4-Dioxane
Concen: 19.519 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 88 Resp: 141085

Ion	Ratio	Lower	Upper
88	100		
58	78.9	61.9	92.9
43	29.5	24.2	36.2



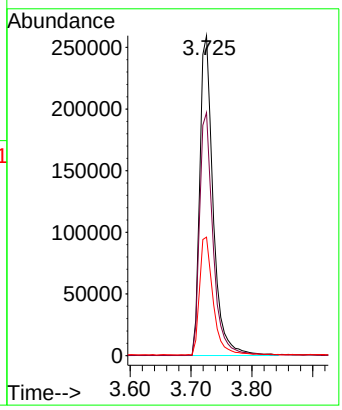


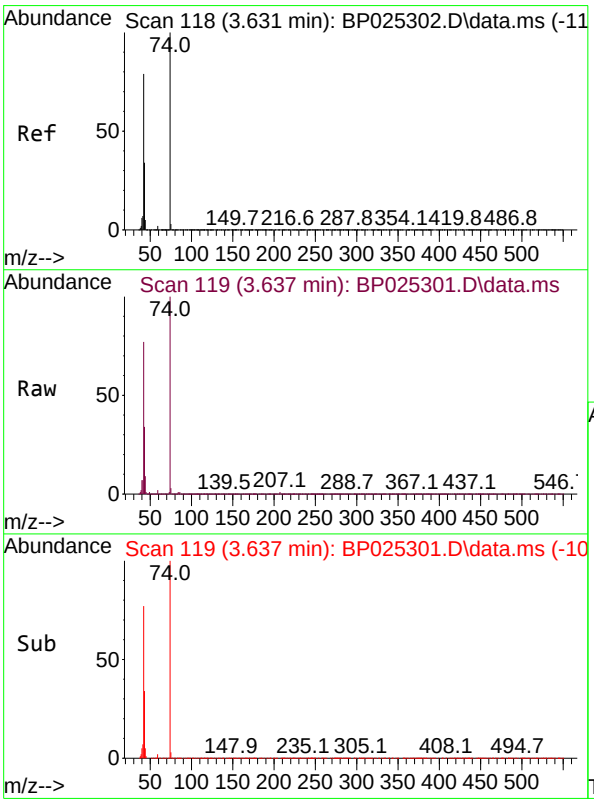
#3
Pyridine
Concen: 19.668 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 394975

Ion	Ratio	Lower	Upper
79	100		
52	75.9	60.5	90.7
51	37.0	30.2	45.2

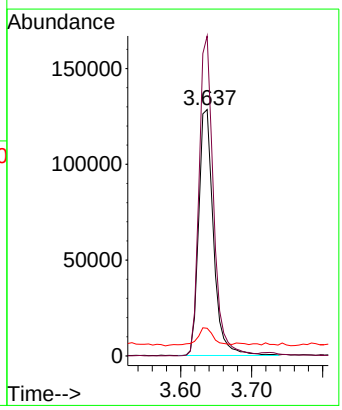


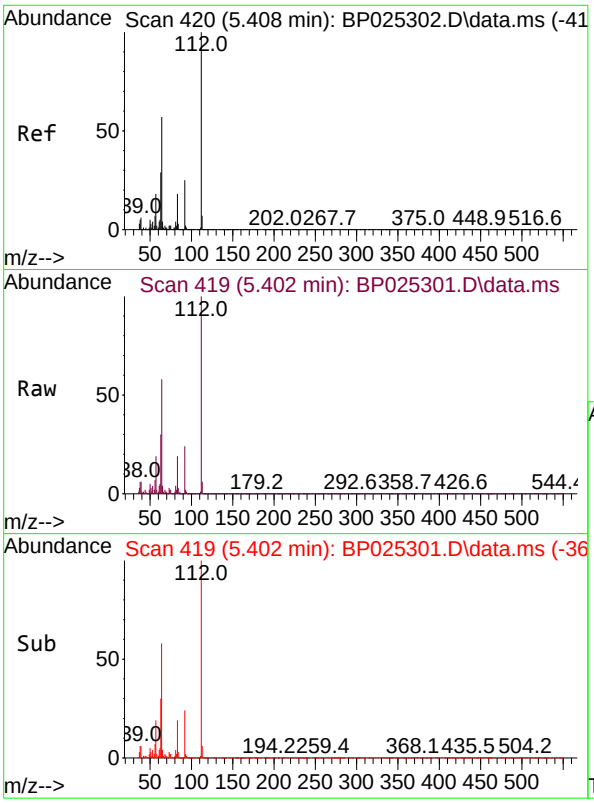


#4
n-Nitrosodimethylamine
Concen: 19.807 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 42 Resp: 184663

Ion	Ratio	Lower	Upper
42	100		
74	129.9	101.4	152.2
44	11.2	7.6	11.4



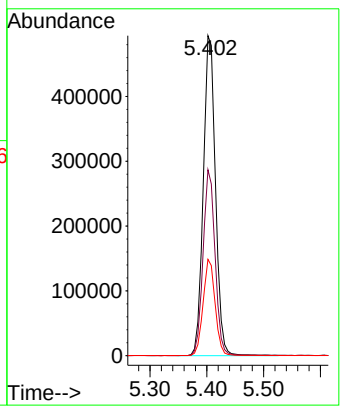


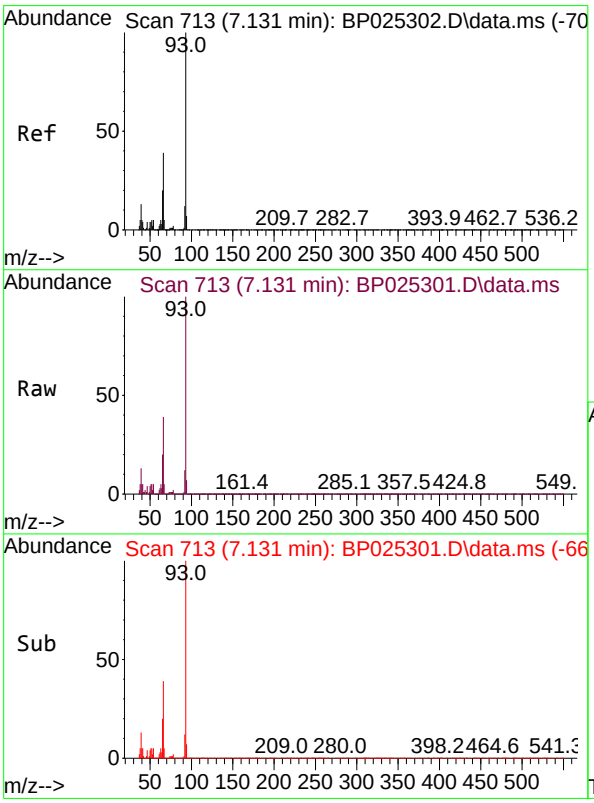
#5
2-Fluorophenol
Concen: 39.974 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 736938

Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.3	67.9
63	30.1	23.0	34.6

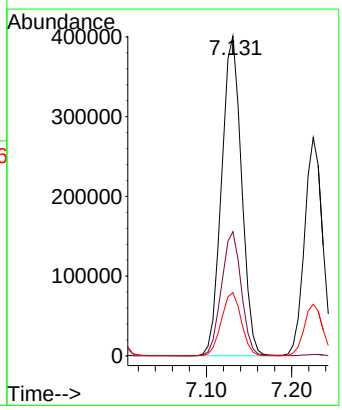


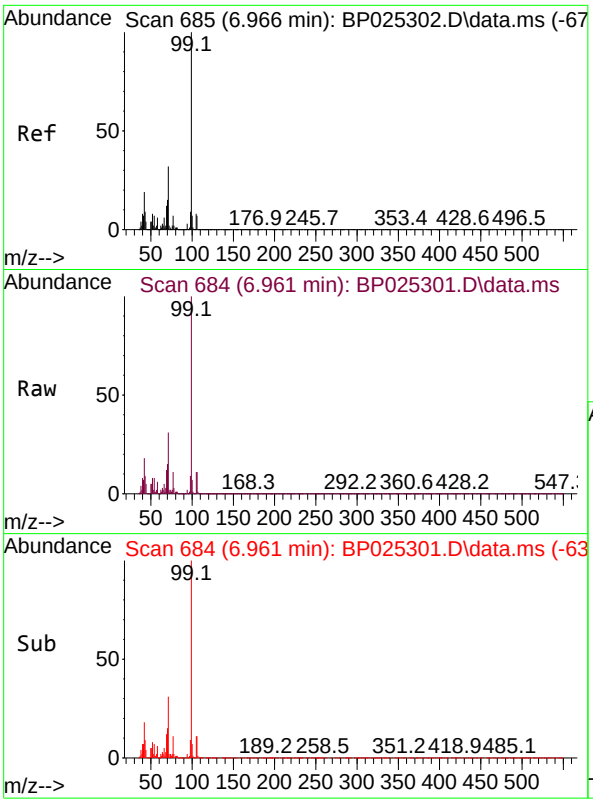


#6
Aniline
Concen: 19.660 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 650581

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.1	46.7
65	19.8	15.8	23.8



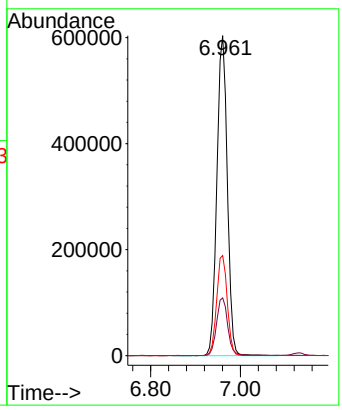


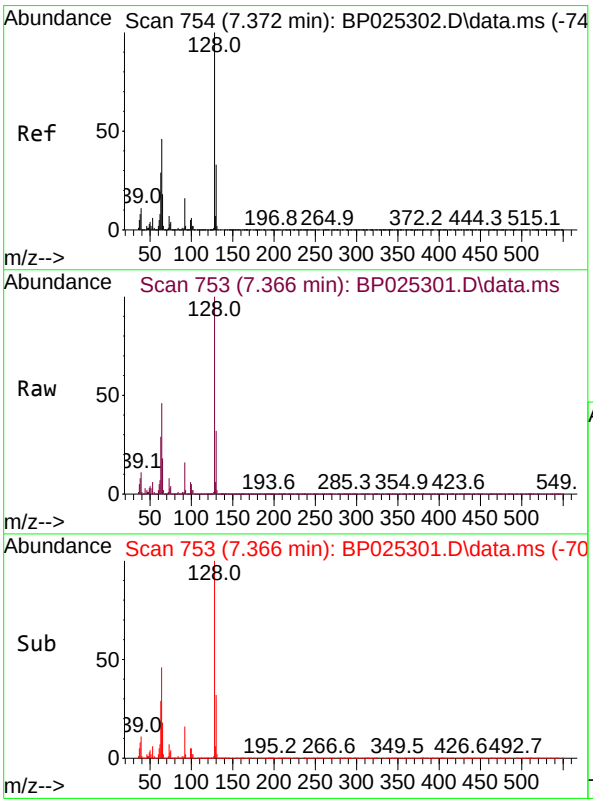
#7
Phenol-d6
Concen: 39.915 ng
RT: 6.961 min Scan# 68
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 970685

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.6
71	31.3	25.5	38.3

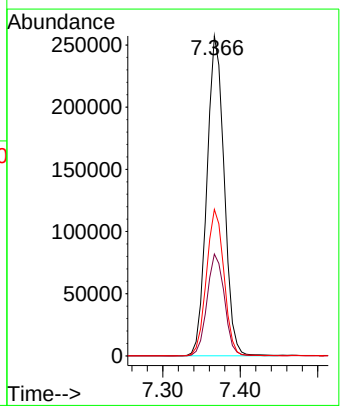


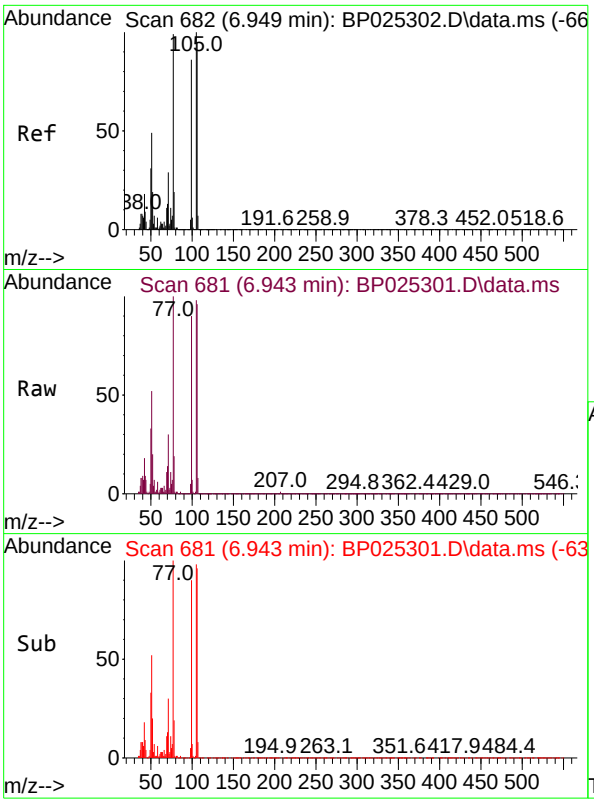


#8
2-Chlorophenol
Concen: 19.912 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:128 Resp: 399216

Ion	Ratio	Lower	Upper
128	100		
130	31.8	13.1	53.1
64	45.8	26.1	66.1



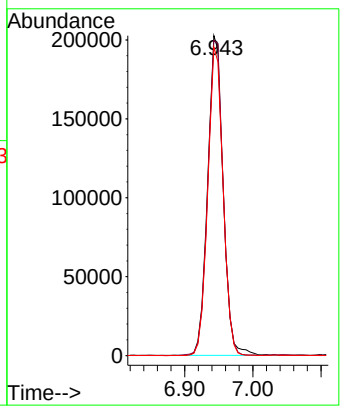


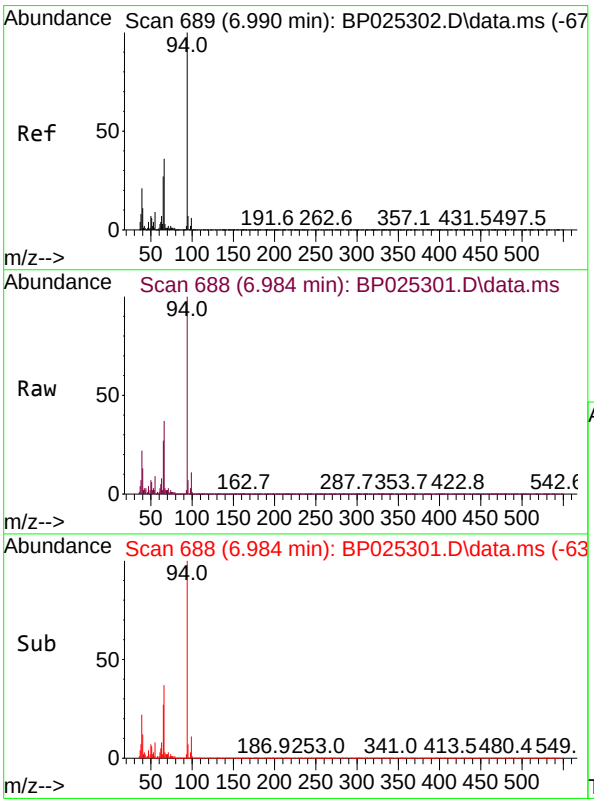
#9
Benzaldehyde
Concen: 18.633 ng
RT: 6.943 min Scan# 68
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 319029

Ion	Ratio	Lower	Upper
77	100		
105	98.5	81.4	121.4
106	96.4	76.2	116.2

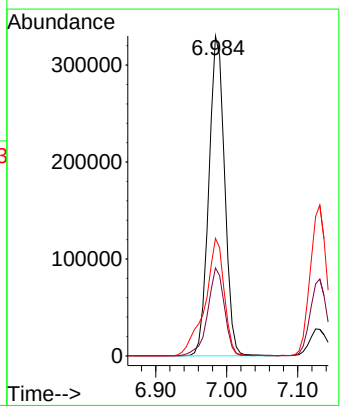


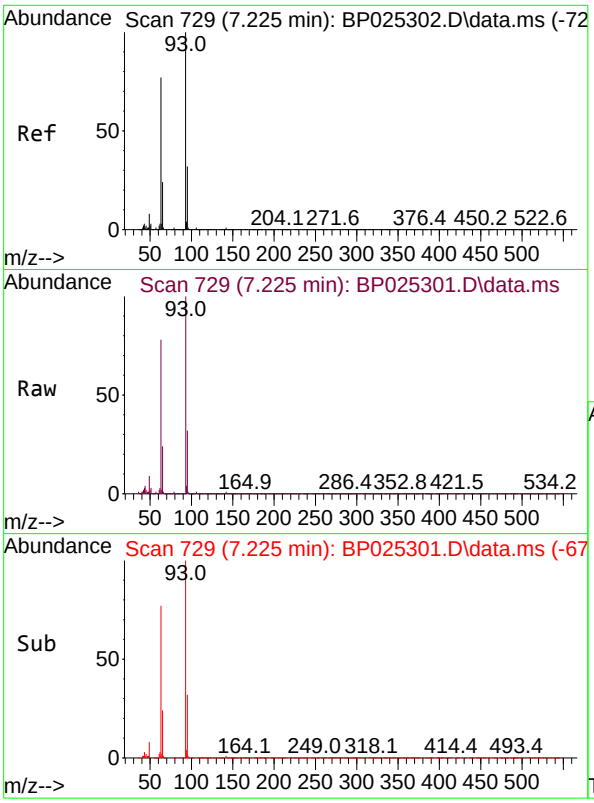


#10
Phenol
Concen: 19.736 ng
RT: 6.984 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 94 Resp: 509021

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	36.7	15.7	55.7



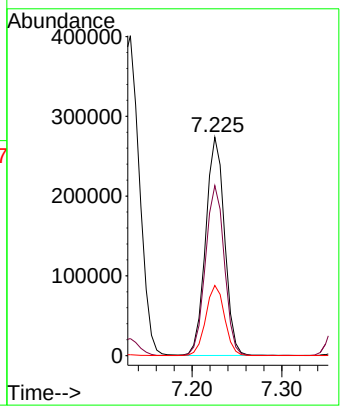


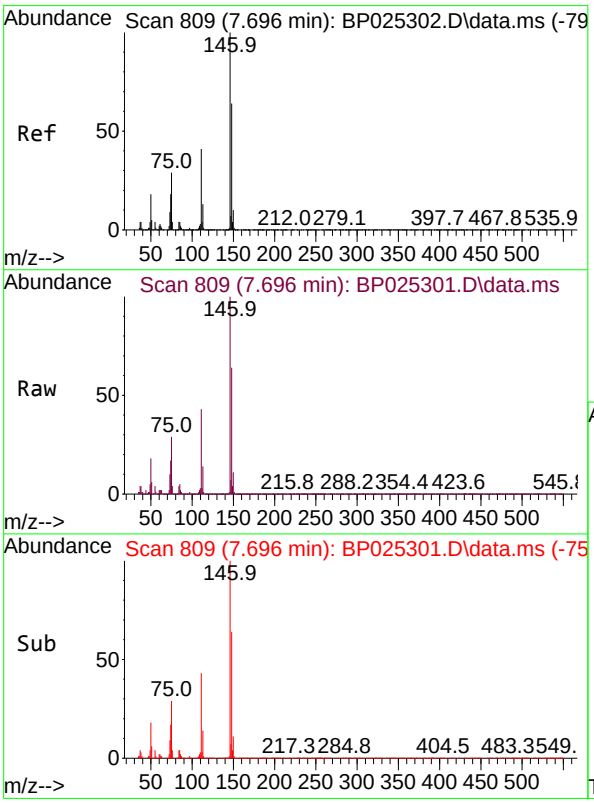
#11
bis(2-Chloroethyl)ether
Concen: 19.823 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 400605

Ion	Ratio	Lower	Upper
93	100		
63	77.8	57.0	97.0
95	32.2	12.1	52.1

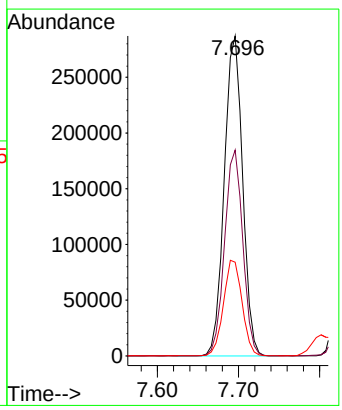


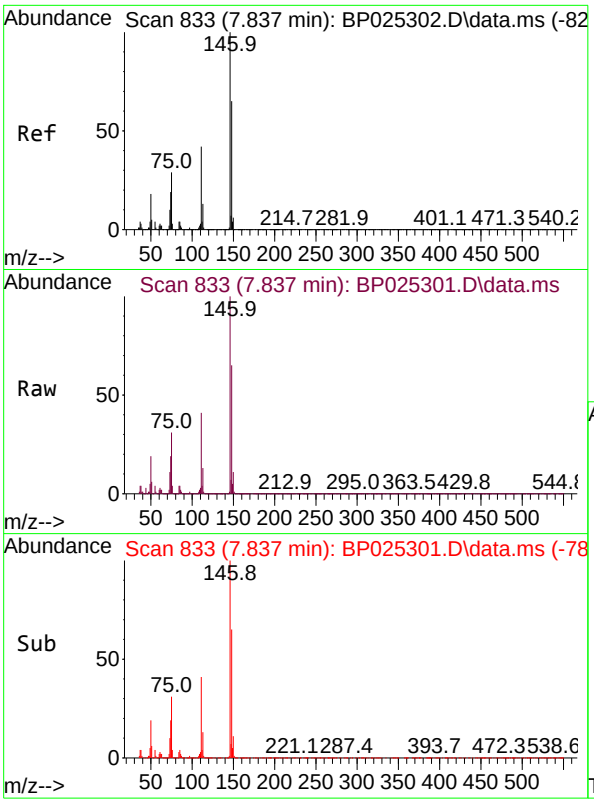


#12
1,3-Dichlorobenzene
Concen: 19.955 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 449548

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.1	76.7
75	29.3	23.2	34.8



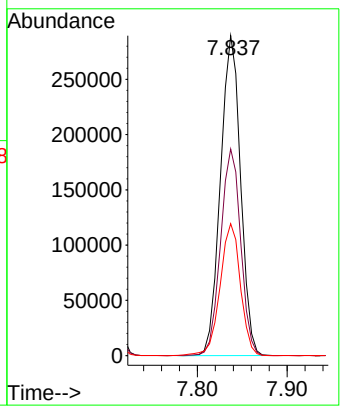


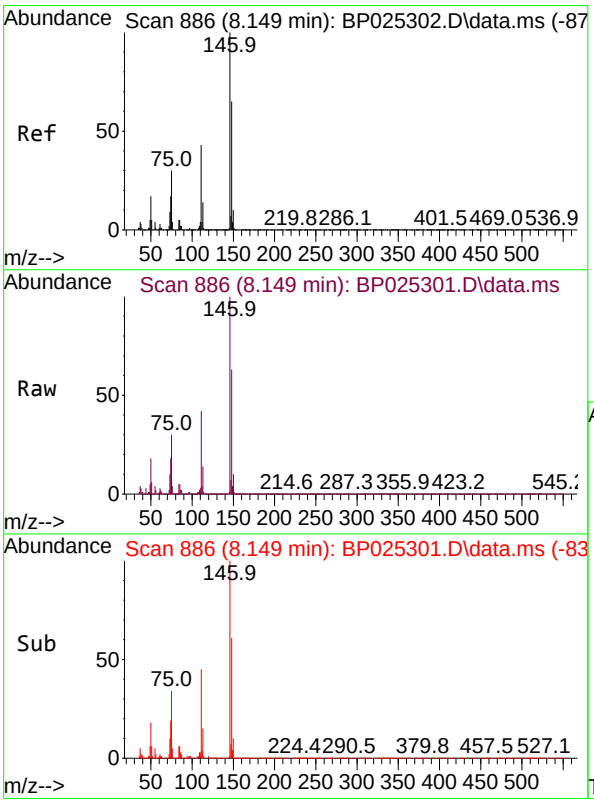
#13
1,4-Dichlorobenzene
Concen: 19.856 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 452555

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	41.3	33.2	49.8

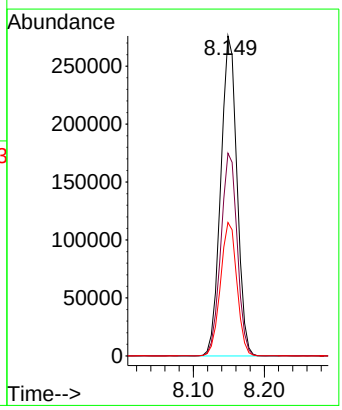


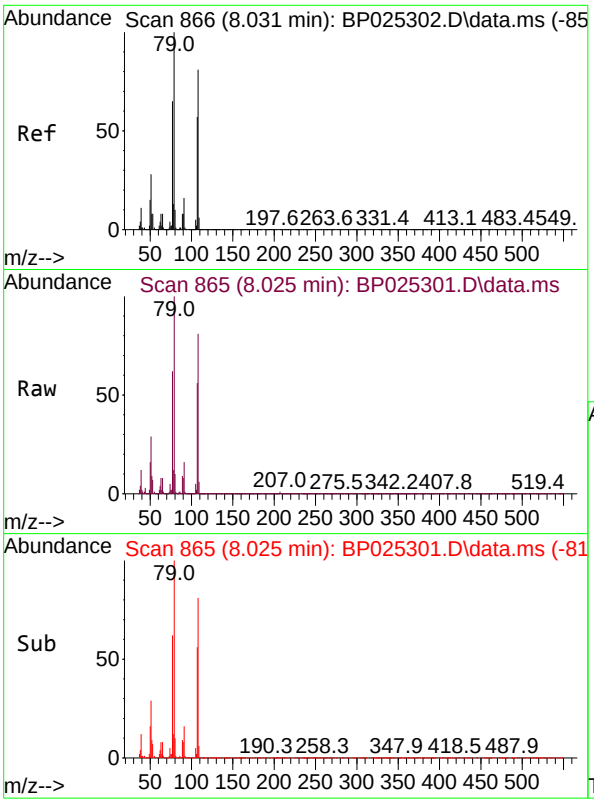


#14
1,2-Dichlorobenzene
Concen: 19.885 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:146 Resp: 439038

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	41.7	34.4	51.6



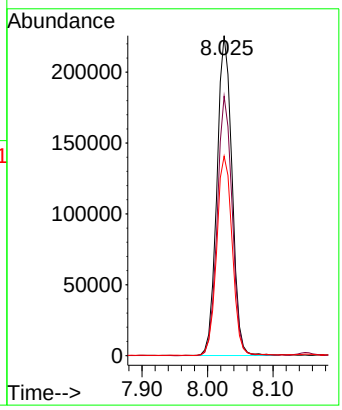


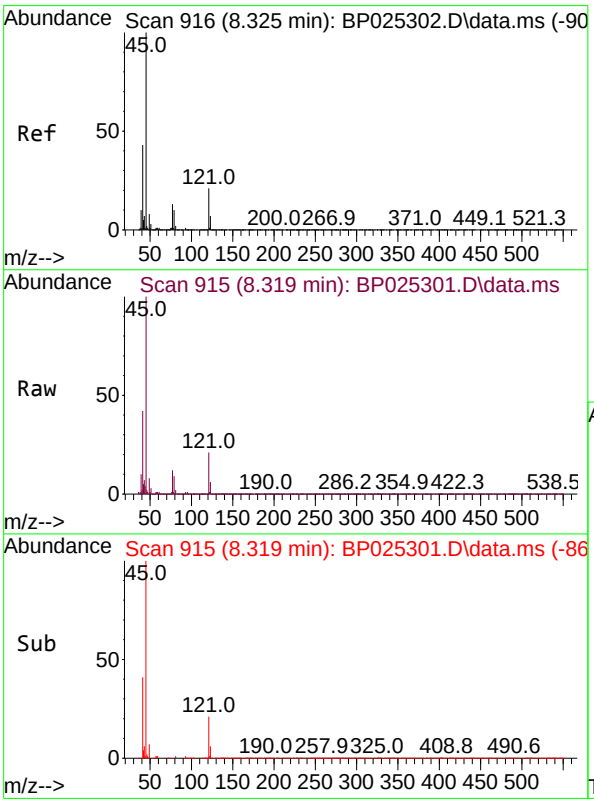
#15
Benzyl Alcohol
Concen: 19.383 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 362188

Ion	Ratio	Lower	Upper
79	100		
108	81.1	64.5	96.7
77	62.3	51.9	77.9

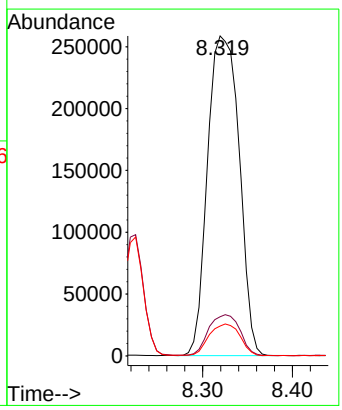


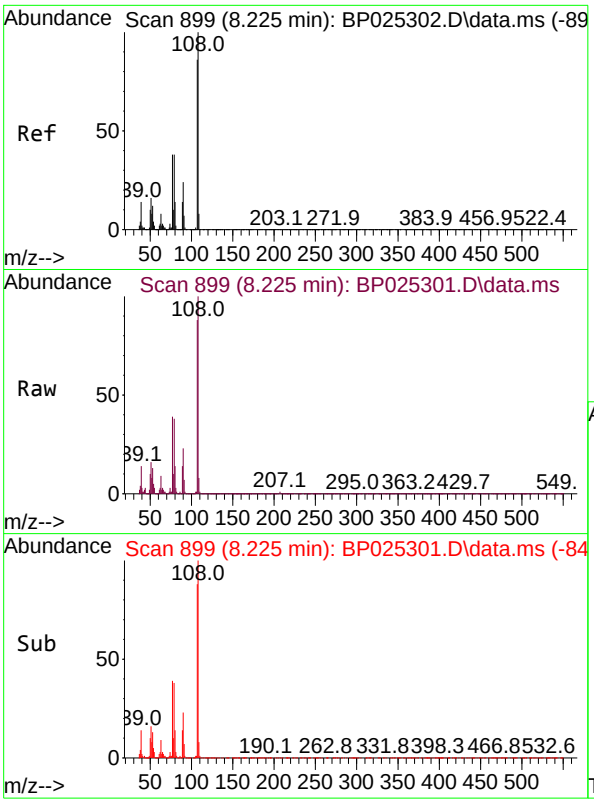


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.920 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 45 Resp: 635912

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	33.0
79	9.3	0.0	29.8



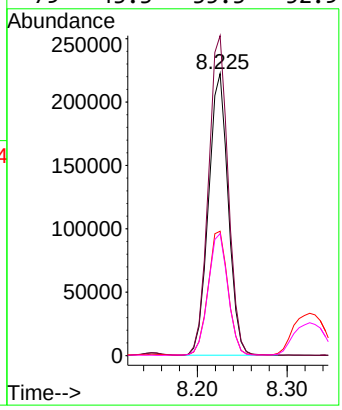


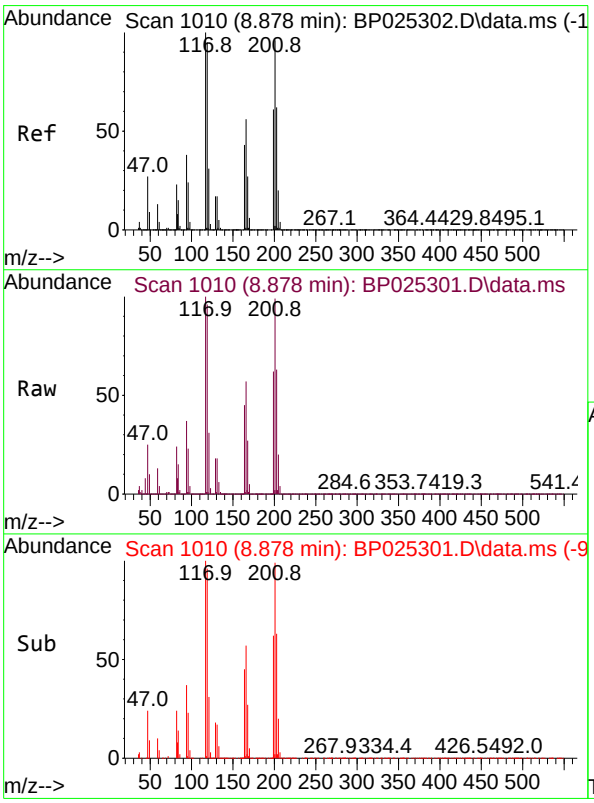
#17
2-Methylphenol
Concen: 19.724 ng
RT: 8.225 min Scan# 89
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 340407

Ion	Ratio	Lower	Upper
107	100		
108	113.5	92.6	139.0
77	44.1	35.4	53.2
79	43.3	35.3	52.9

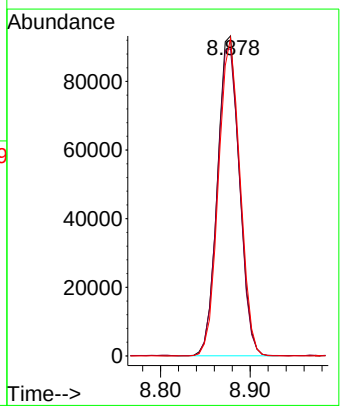


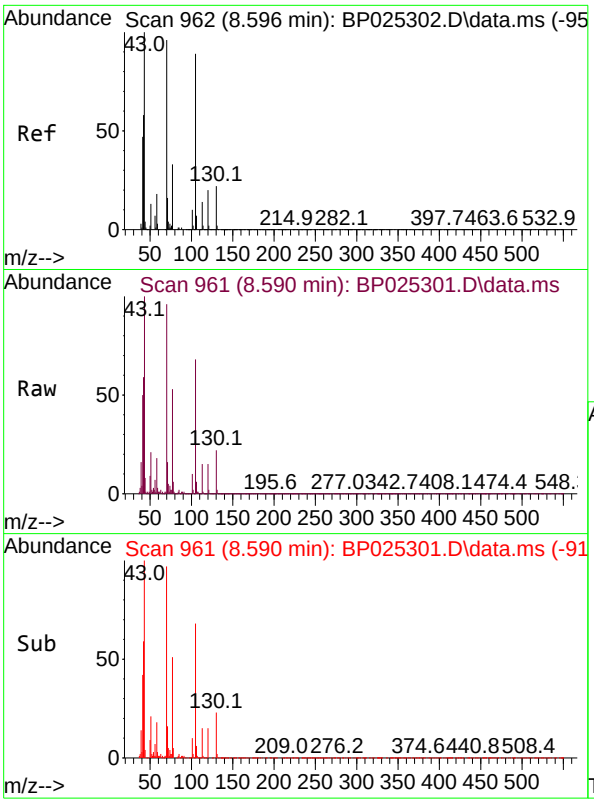


#18
Hexachloroethane
Concen: 19.501 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:117 Resp: 158949

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
201	99.3	76.6	114.8



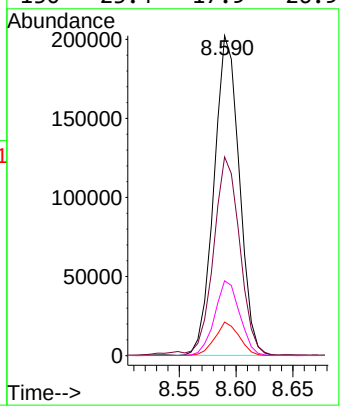


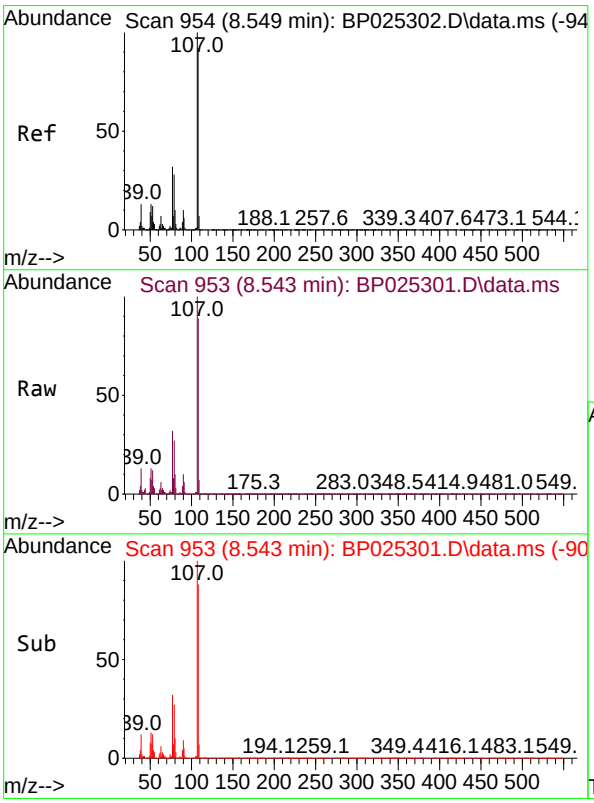
#19
n-Nitroso-di-n-propylamine
Concen: 19.754 ng
RT: 8.590 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 312863

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	10.5	7.9	11.9
130	23.4	17.9	26.9

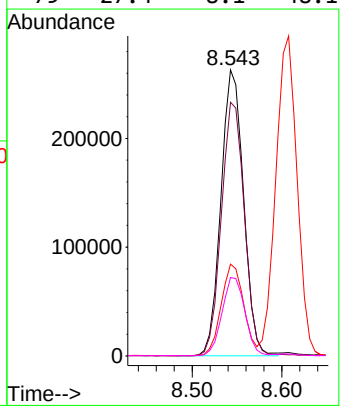


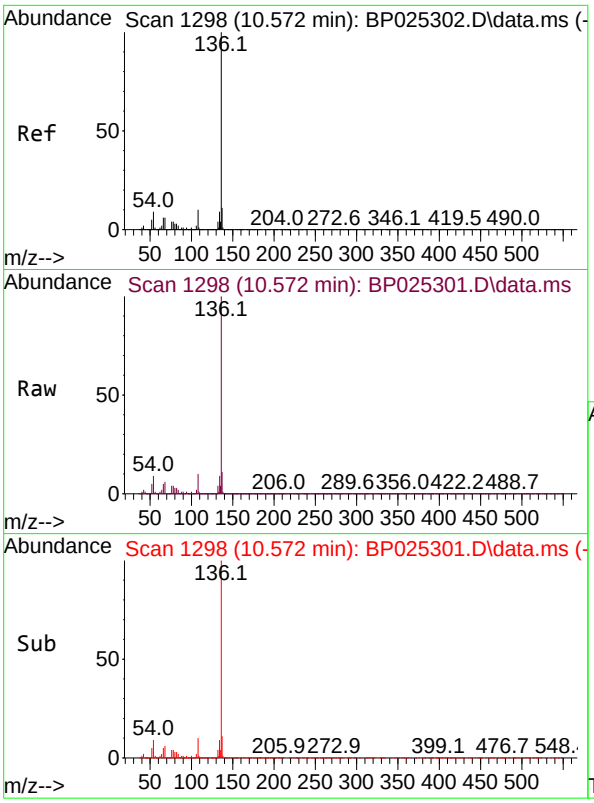


#20
3+4-Methylphenols
Concen: 19.418 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 461472

Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.9	111.9
77	32.1	12.0	52.0
79	27.4	8.1	48.1



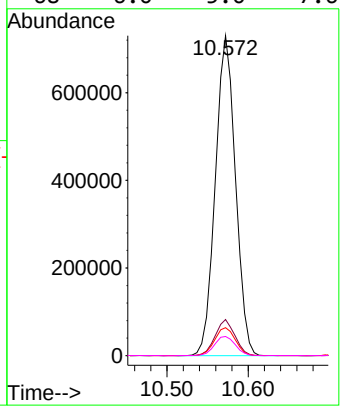


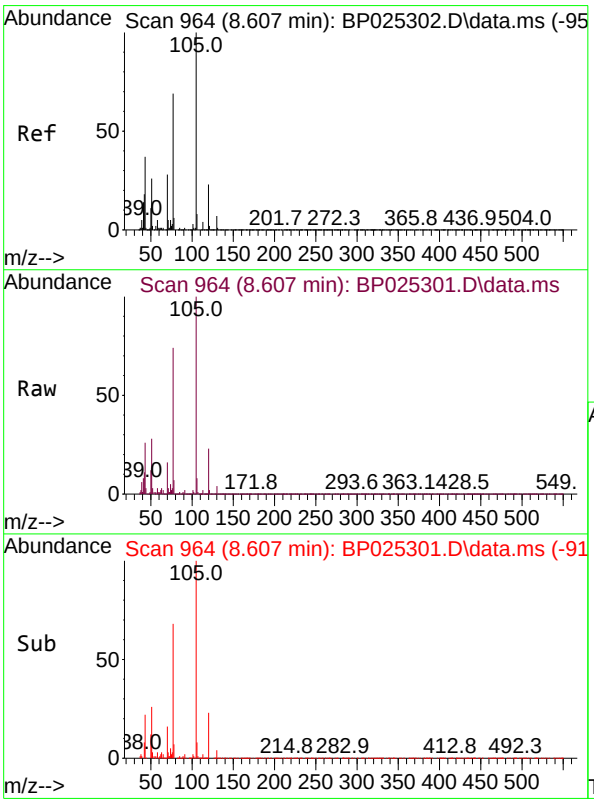
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1257251

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.0	10.6
68	6.0	5.0	7.6

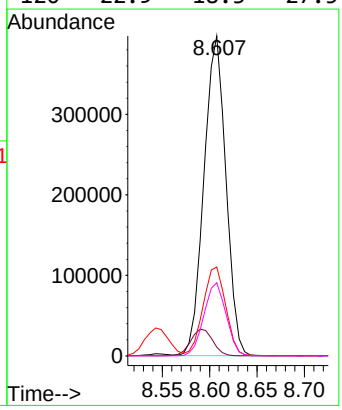


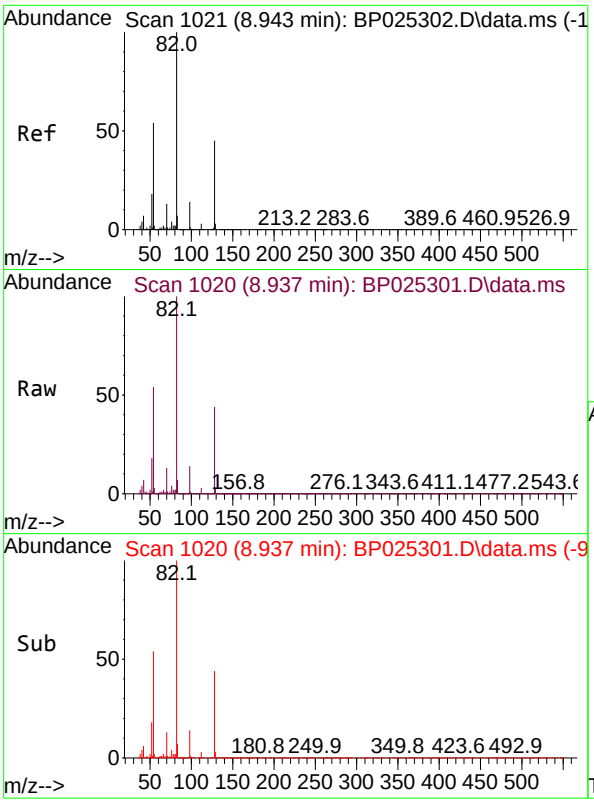


#22
Acetophenone
Concen: 20.296 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:105 Resp: 640590

Ion	Ratio	Lower	Upper
105	100		
71	2.7	4.1	6.1#
51	27.8	22.7	34.1
120	22.9	18.3	27.5



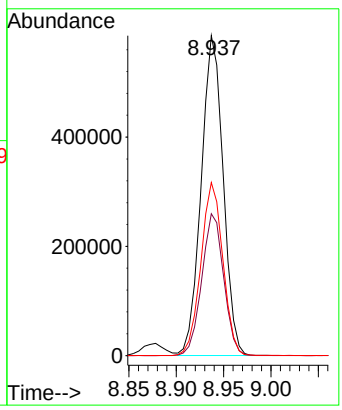


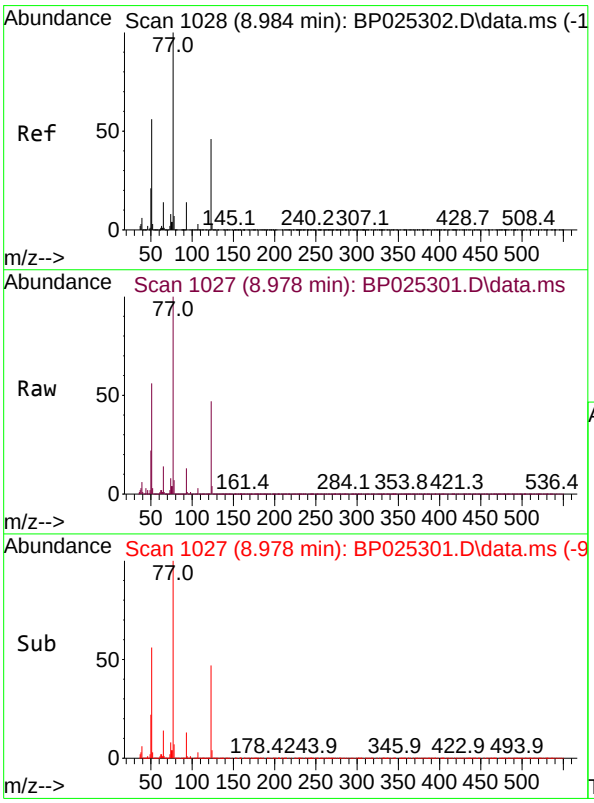
#23
Nitrobenzene-d5
Concen: 40.616 ng
RT: 8.937 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 943796

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	54.1	42.9	64.3

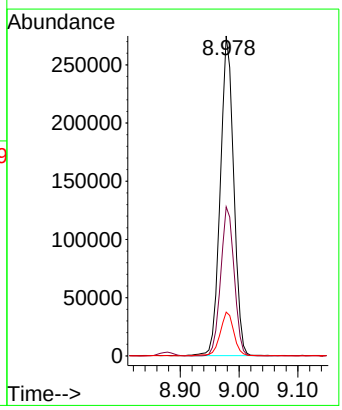


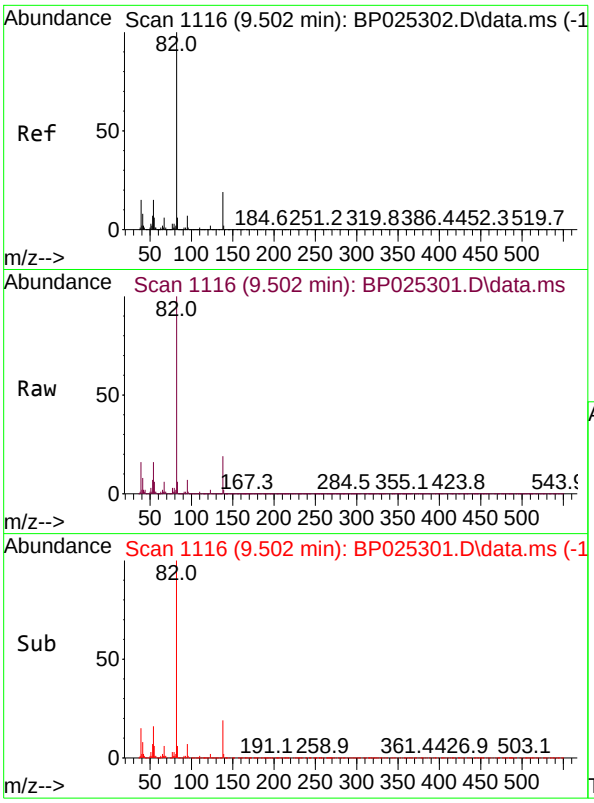


#24
Nitrobenzene
Concen: 20.293 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 77 Resp: 435932

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.4	56.2
65	13.7	11.1	16.7



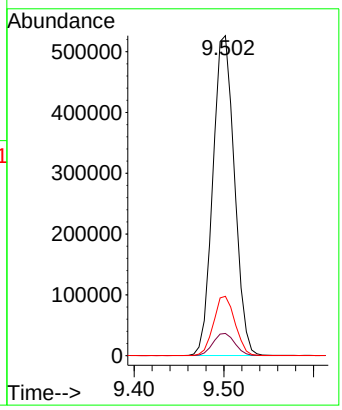


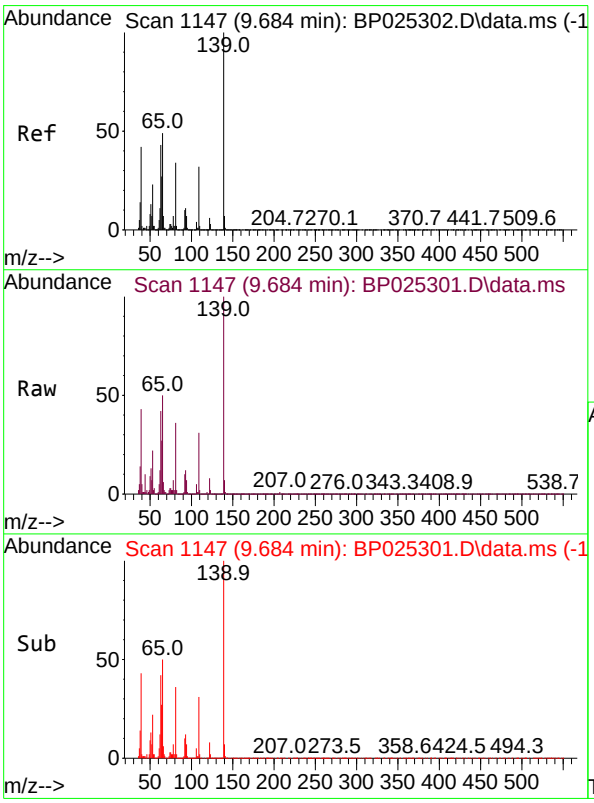
#25
Isophorone
Concen: 19.534 ng
RT: 9.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 882394

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	18.5	15.0	22.6

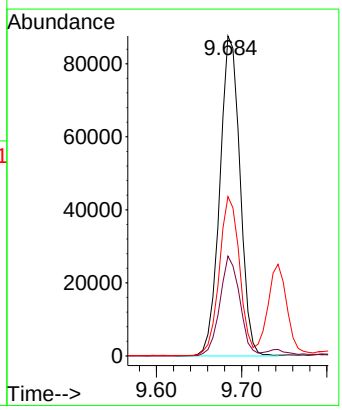


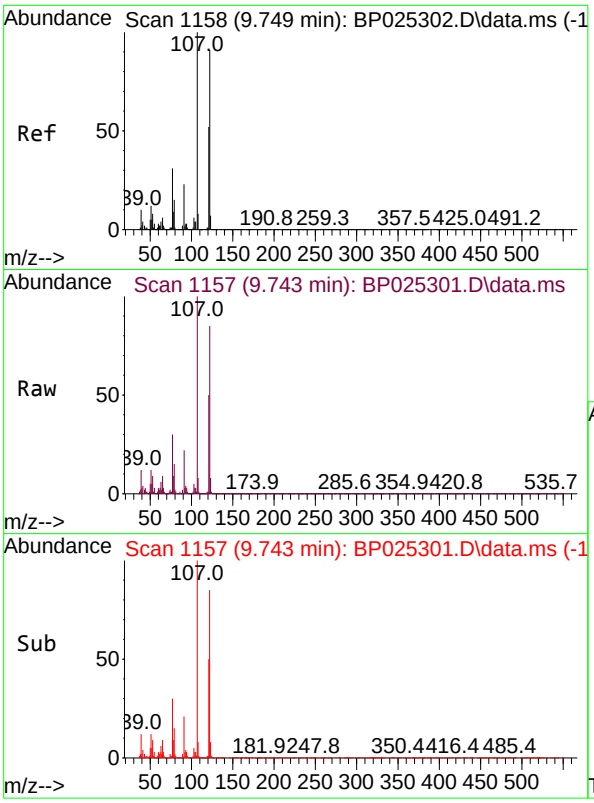


#26
2-Nitrophenol
Concen: 17.898 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 144380

Ion	Ratio	Lower	Upper
139	100		
109	31.2	25.2	37.8
65	49.8	39.6	59.4



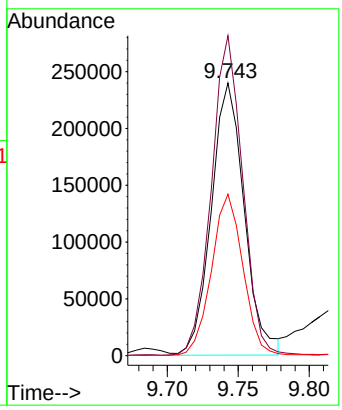


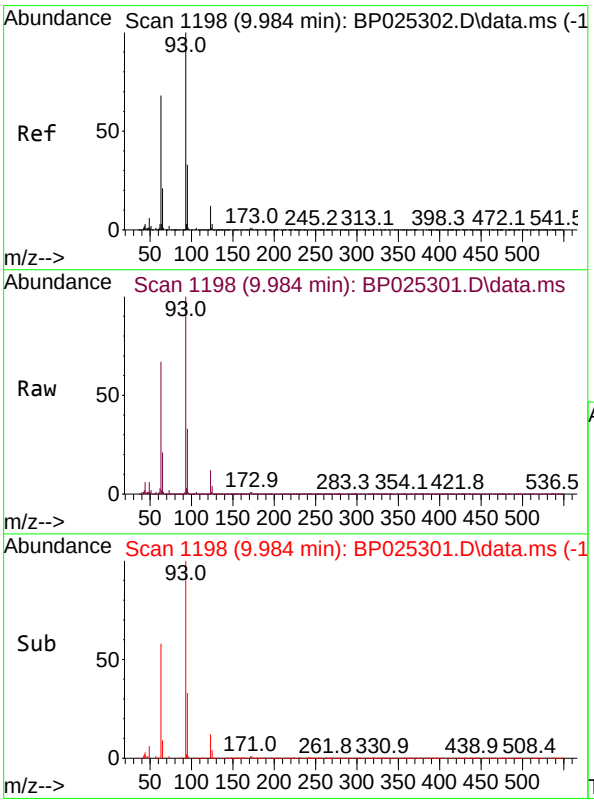
#27
2,4-Dimethylphenol
Concen: 18.591 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 387180

Ion	Ratio	Lower	Upper
122	100		
107	117.4	87.4	131.0
121	59.2	45.8	68.8

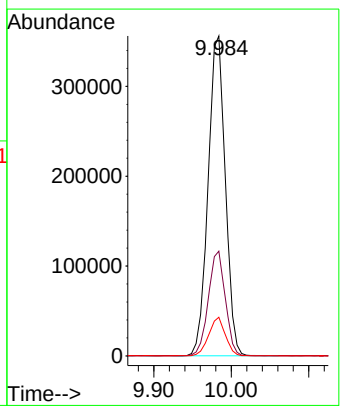


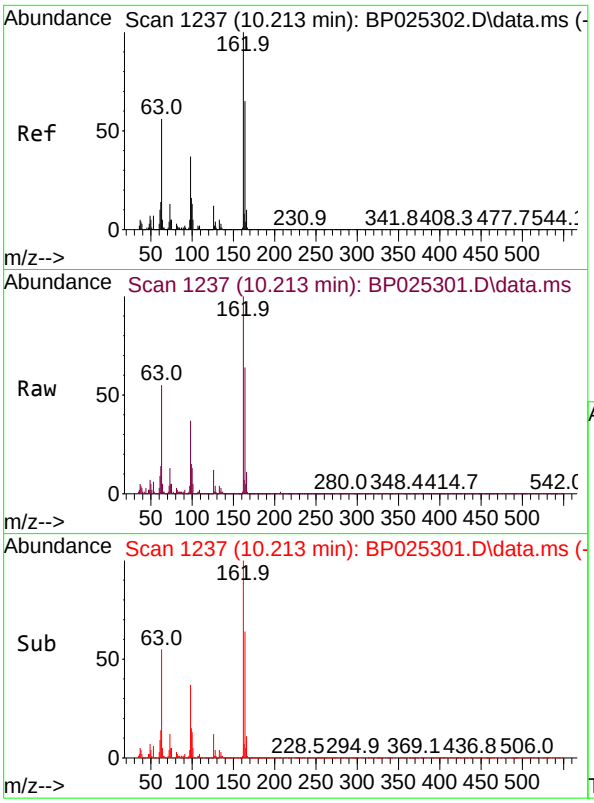


#28
bis(2-Chloroethoxy)methane
Concen: 19.991 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 93 Resp: 549341

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	12.1	9.4	14.2



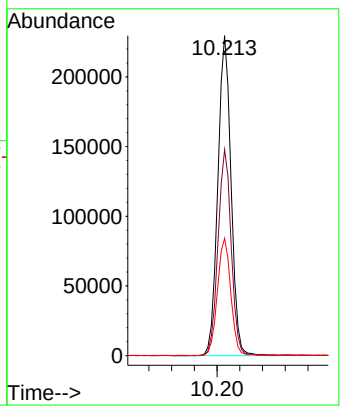


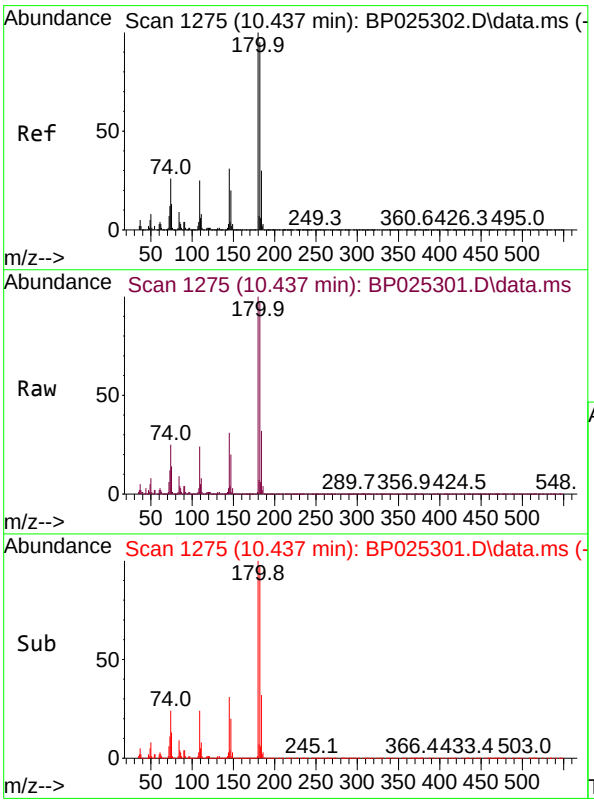
#29
2,4-Dichlorophenol
Concen: 20.210 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 368492

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.2	85.2
98	36.6	17.5	57.5

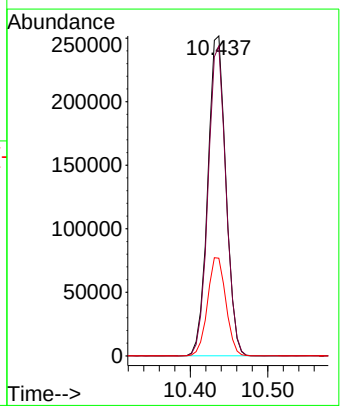


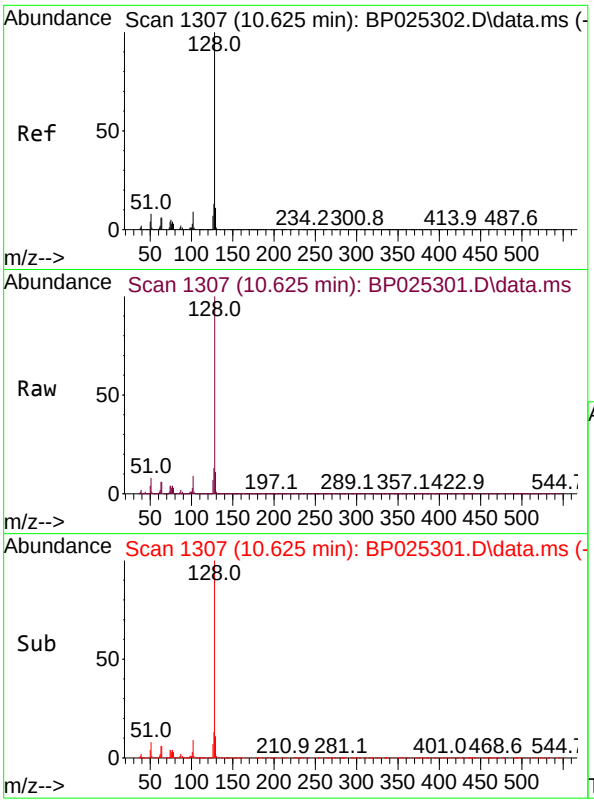


#30
1,2,4-Trichlorobenzene
Concen: 20.272 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:180 Resp: 407796

Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.8
145	30.5	25.0	37.4



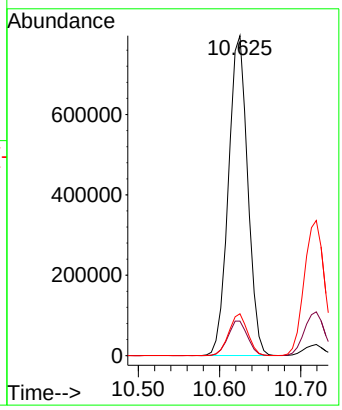


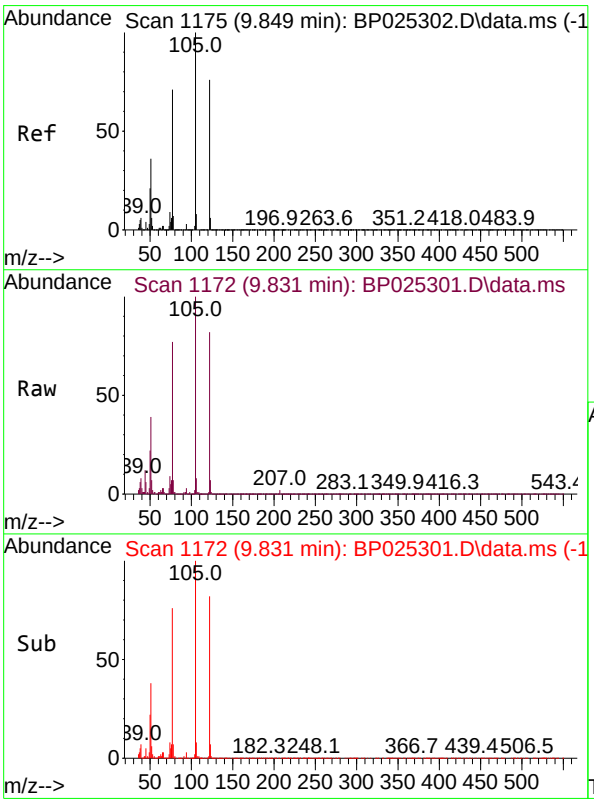
#31
Naphthalene
Concen: 20.119 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1313112

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.1	10.4	15.6

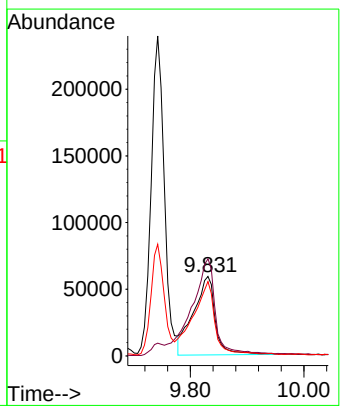


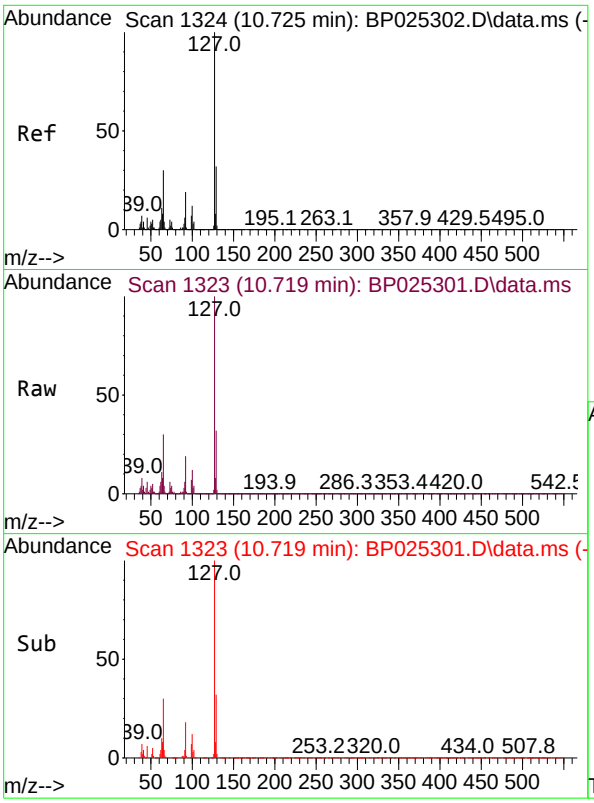


#32
Benzoic acid
Concen: 19.976 ng
RT: 9.831 min Scan# 1172
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:122 Resp: 159597

Ion	Ratio	Lower	Upper
122	100		
105	122.2	104.0	144.0
77	93.5	71.8	111.8



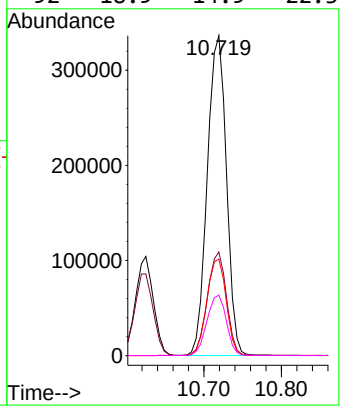


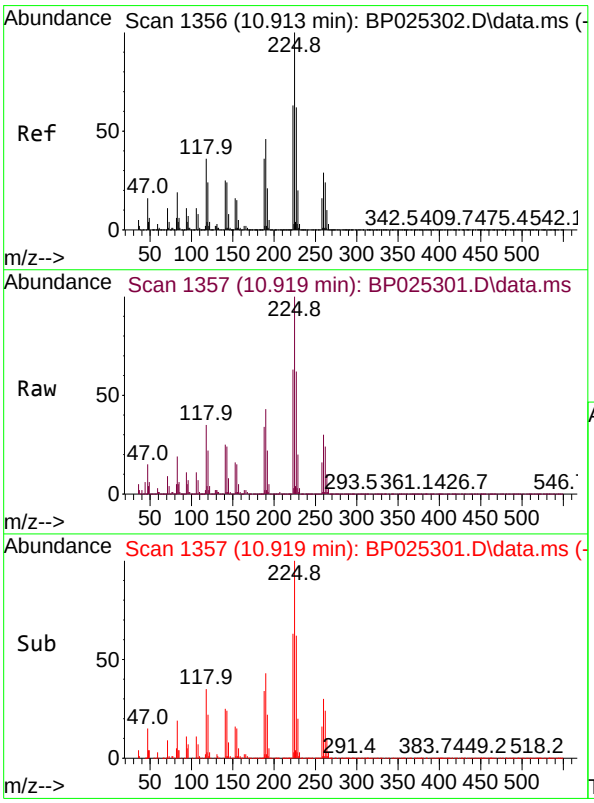
#33
4-Chloroaniline
Concen: 19.913 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 578033

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	30.2	23.6	35.4
92	18.9	14.9	22.3

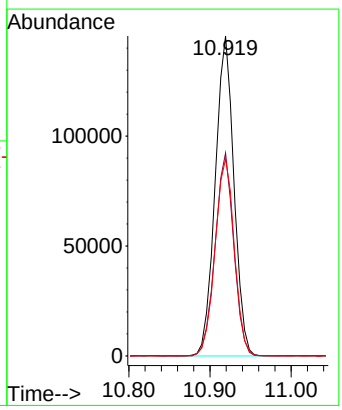


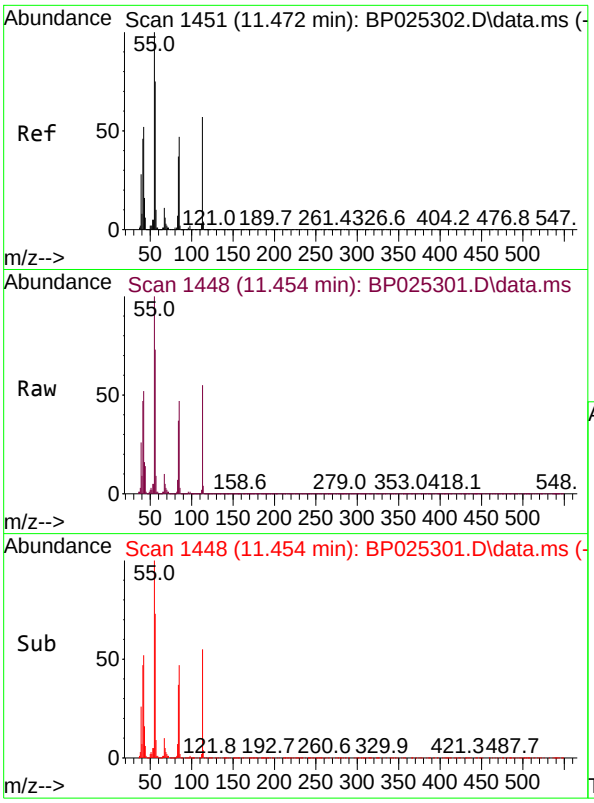


#34
Hexachlorobutadiene
Concen: 20.177 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:225 Resp: 232981

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	61.5	49.7	74.5



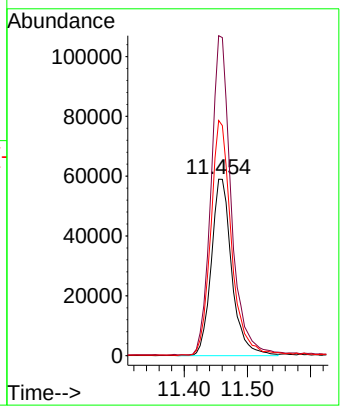


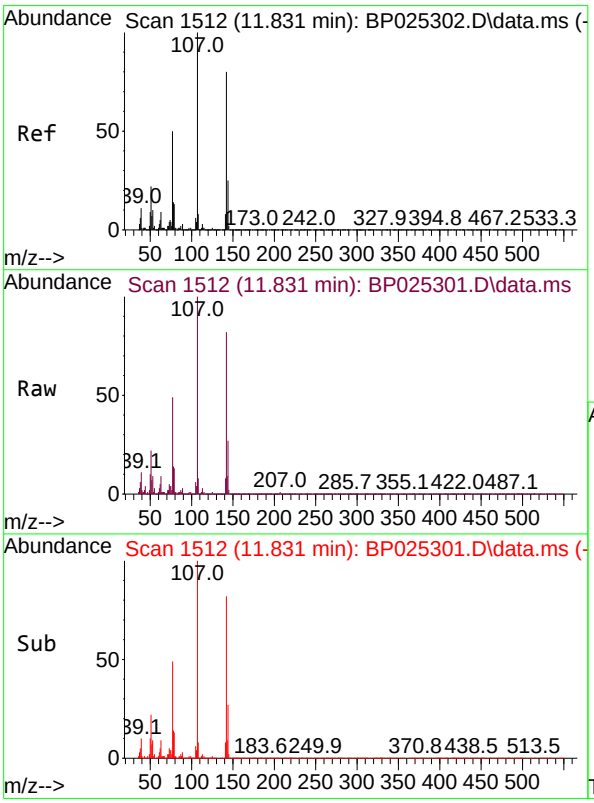
#35
Caprolactam
Concen: 18.704 ng
RT: 11.454 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 132591

Ion	Ratio	Lower	Upper
113	100		
55	181.3	154.4	194.4
56	133.2	110.9	150.9

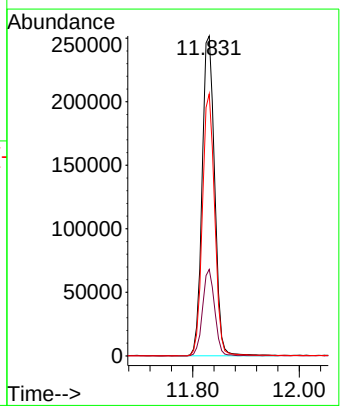


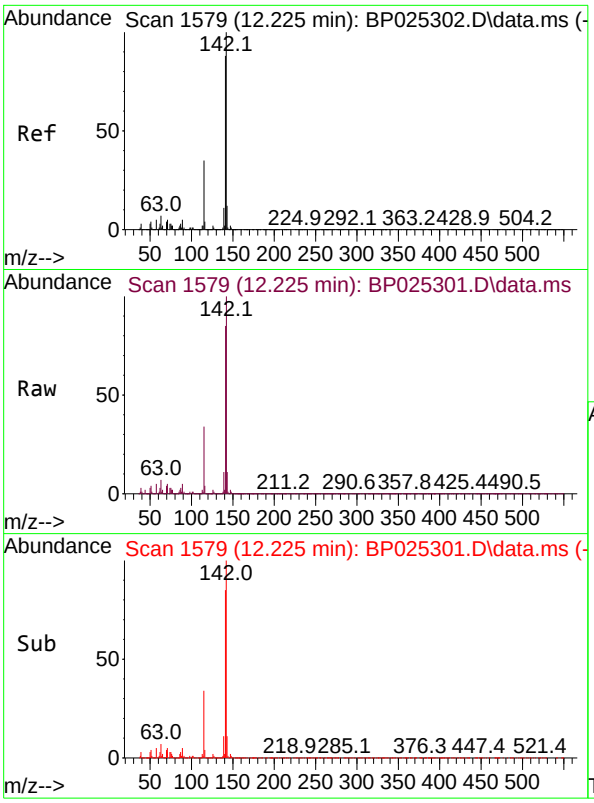


#36
4-Chloro-3-methylphenol
Concen: 19.468 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:107 Resp: 410728

Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.4	30.6
142	81.9	63.7	95.5



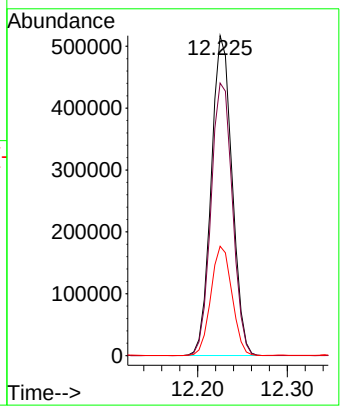


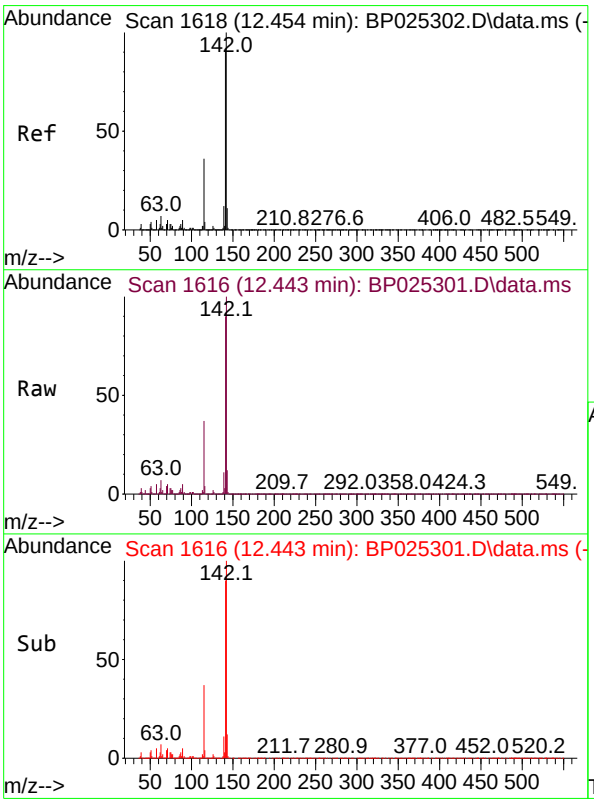
#37
2-Methylnaphthalene
Concen: 19.794 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 836183

Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.4	105.6
115	34.2	28.0	42.0

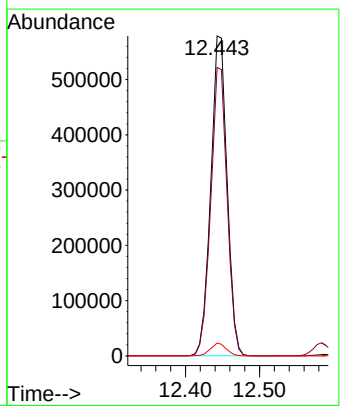


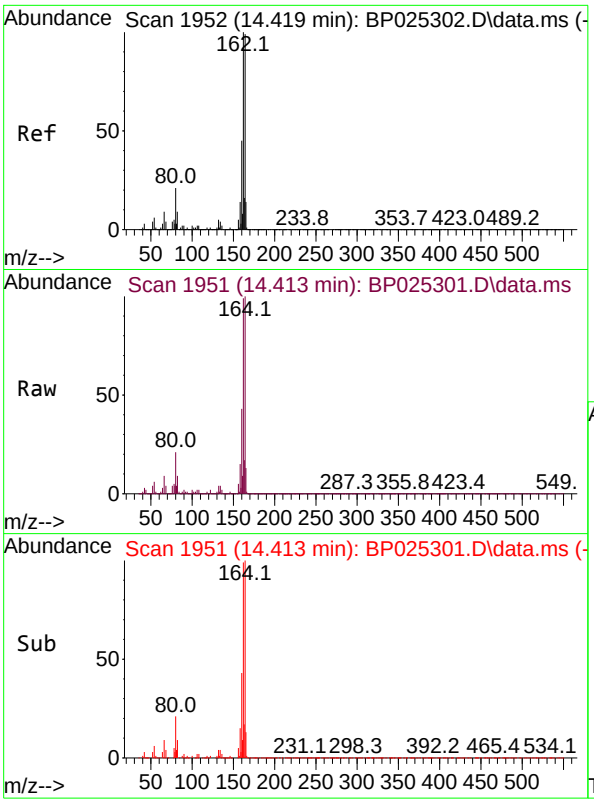


#38
1-Methylnaphthalene
Concen: 20.058 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:142 Resp: 884130

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	4.0	3.0	4.6



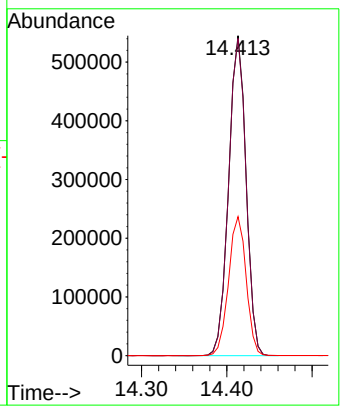


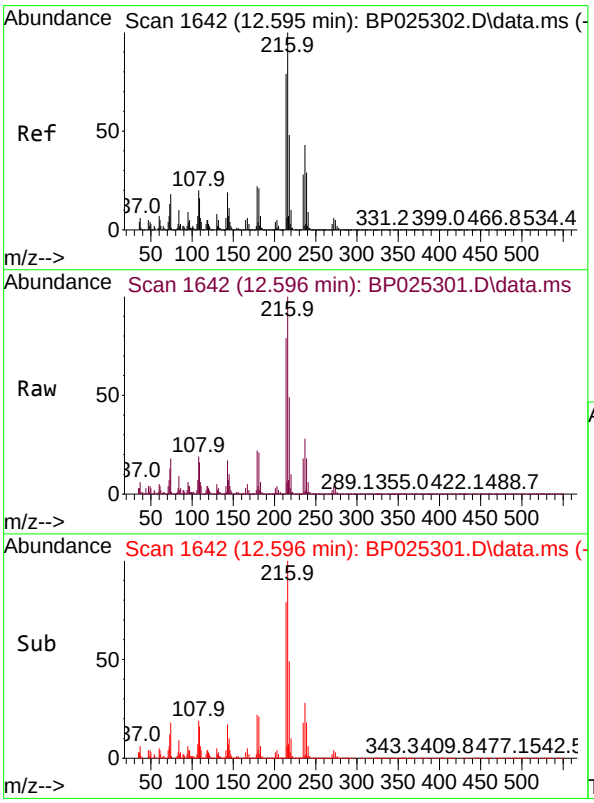
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 772745

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	43.4	35.9	53.9

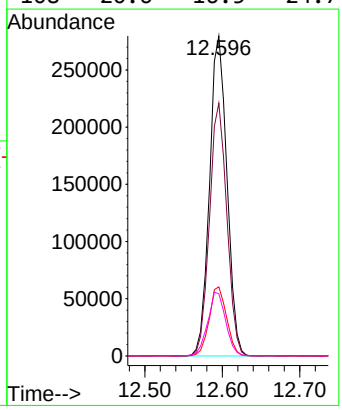


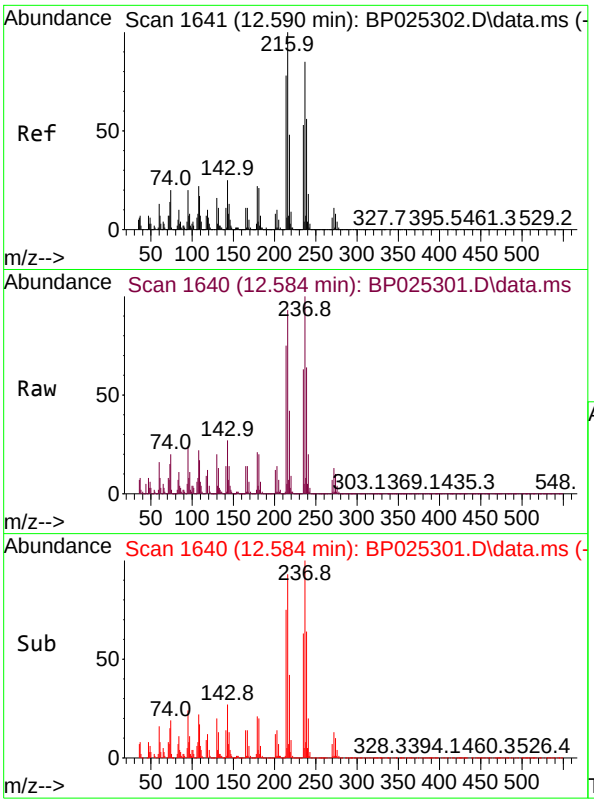


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.666 ng
RT: 12.596 min Scan# 1642
Delta R.T. 0.001 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:216 Resp: 435991

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	21.7	17.5	26.3
108	20.6	16.5	24.7



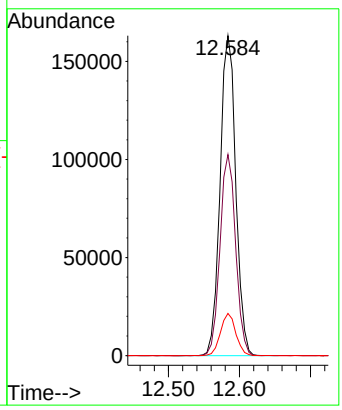


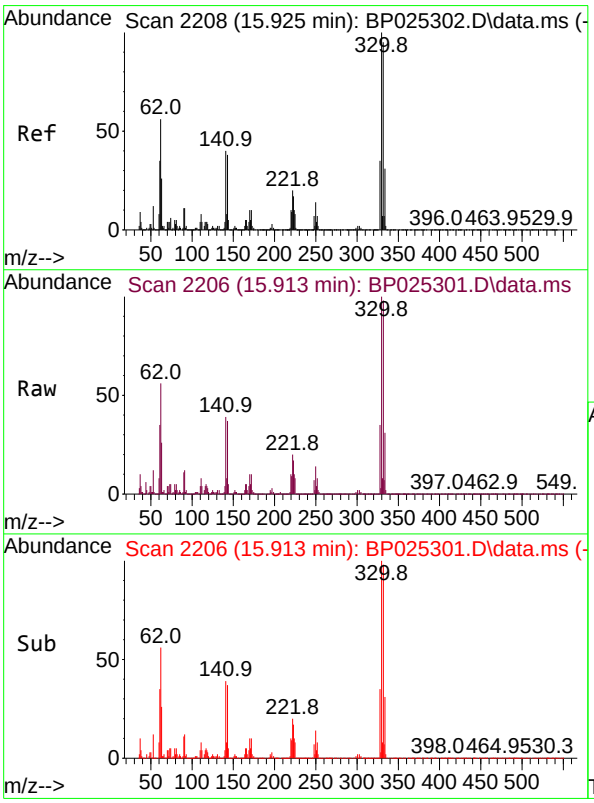
#41
Hexachlorocyclopentadiene
Concen: 19.234 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 250447

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.2	82.2
272	13.2	0.0	32.8

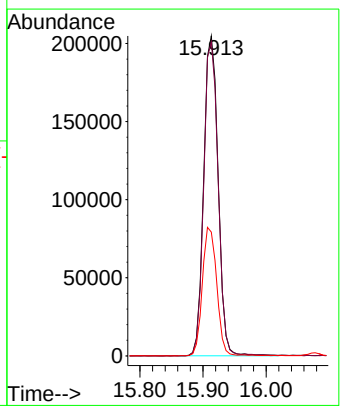


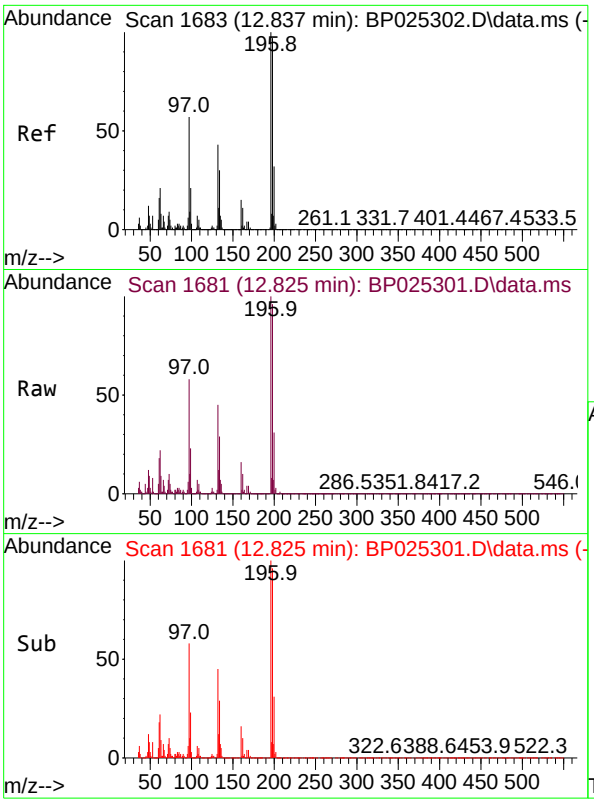


#42
2,4,6-Tribromophenol
Concen: 40.747 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:330 Resp: 325099

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	40.2	31.7	47.5



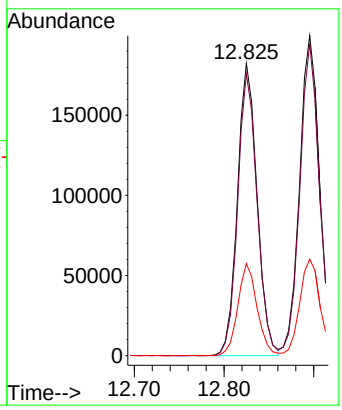


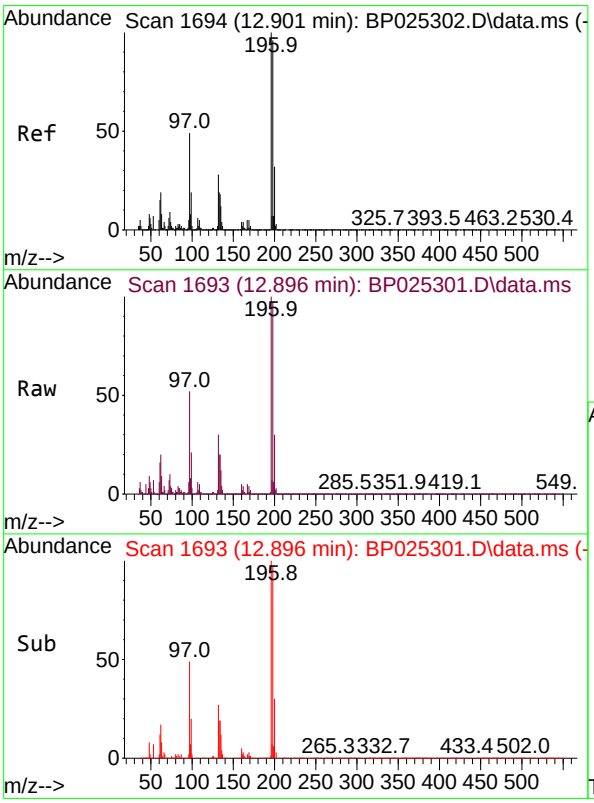
#43
2,4,6-Trichlorophenol
Concen: 20.330 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 277071

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.3	115.9
200	31.5	25.4	38.2

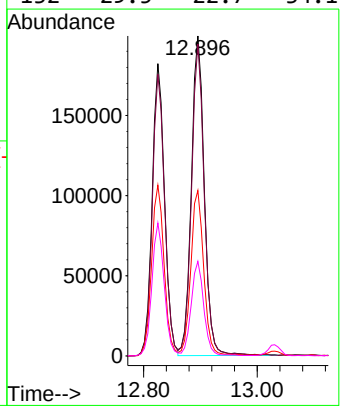


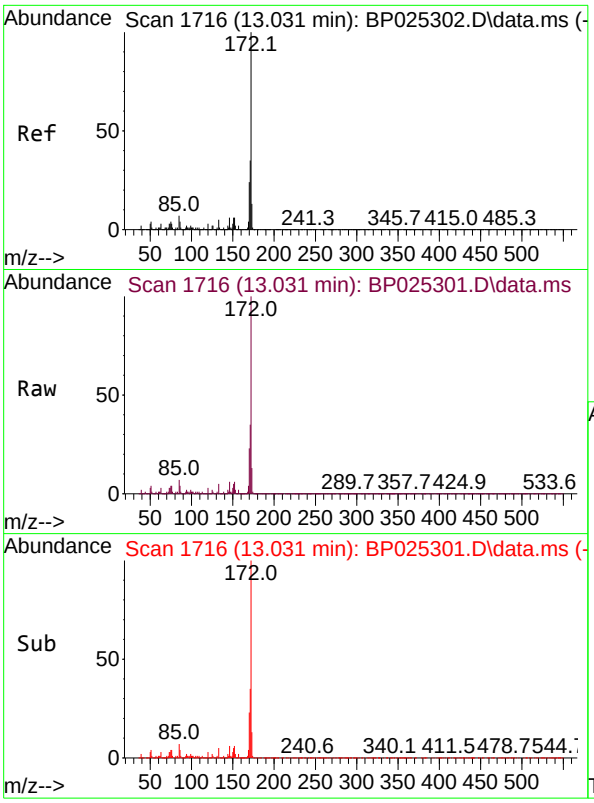


#44
2,4,5-Trichlorophenol
Concen: 20.622 ng
RT: 12.896 min Scan# 1693
Delta R.T. -0.005 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:196 Resp: 315277

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.6	114.8
97	51.7	39.5	59.3
132	29.5	22.7	34.1



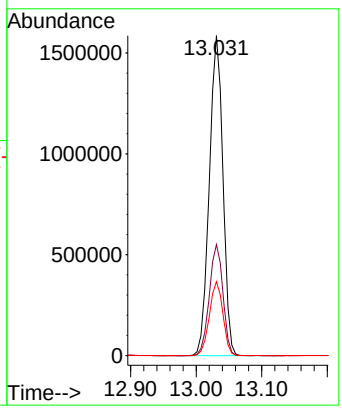


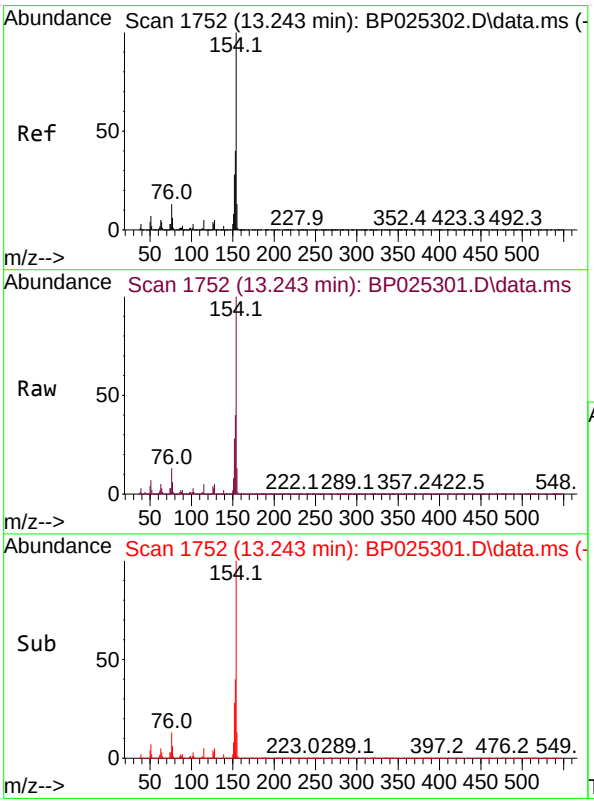
#45
2-Fluorobiphenyl
Concen: 41.076 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2285838

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3

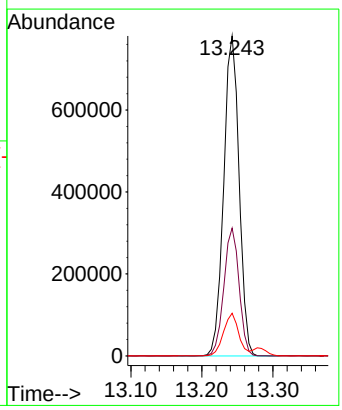


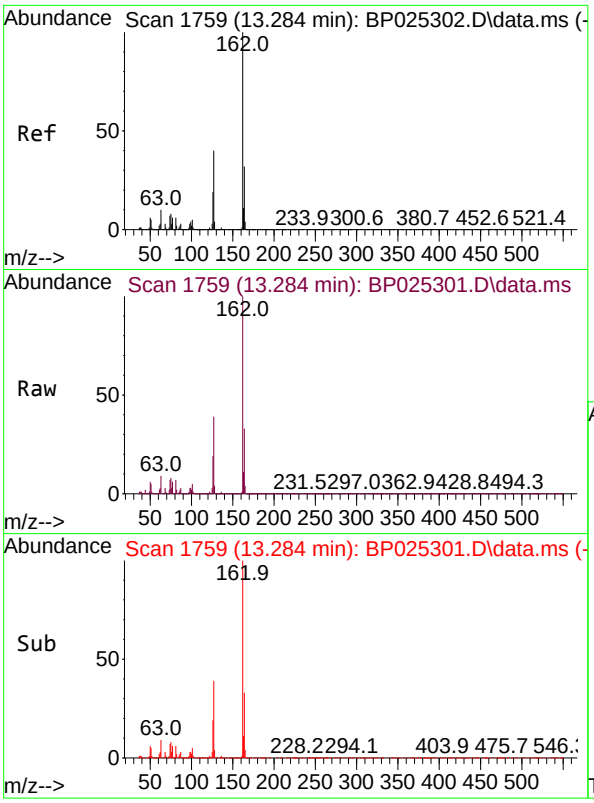


#46
1,1'-Biphenyl
Concen: 20.684 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 1177906

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.3	0.0	33.2



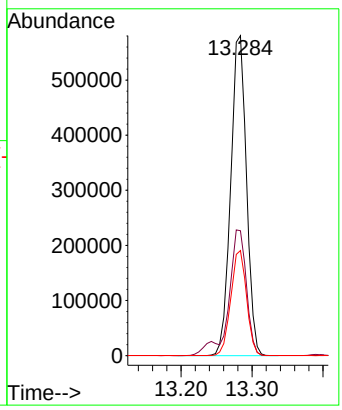


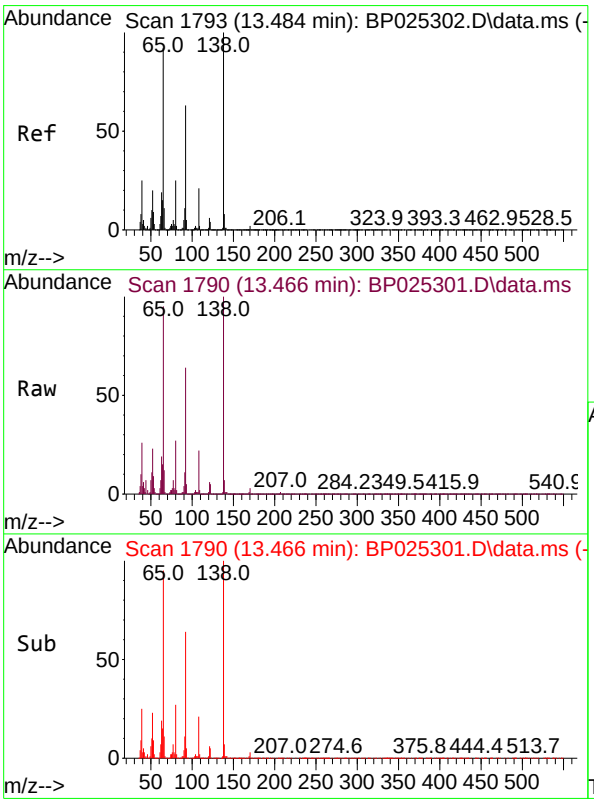
#47
2-Chloronaphthalene
Concen: 20.570 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 893709

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.2	48.2
164	32.8	25.9	38.9

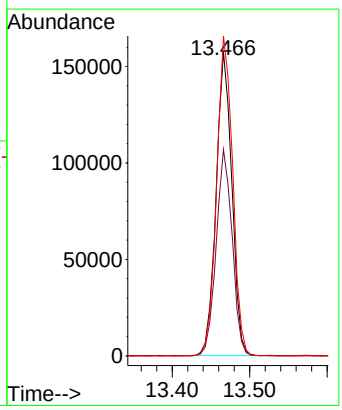


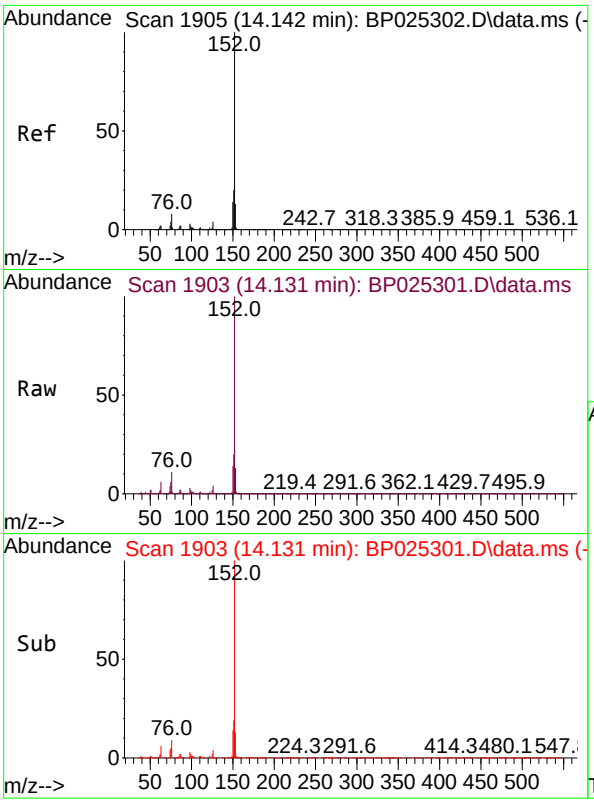


#48
2-Nitroaniline
Concen: 19.318 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion: 65 Resp: 221835

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.4	81.6
138	105.4	87.0	130.4



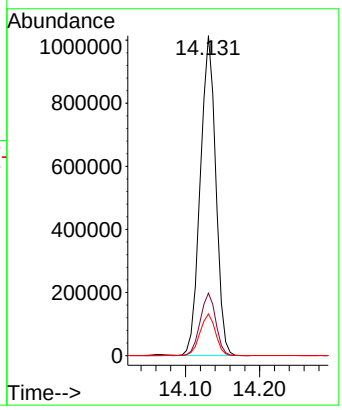


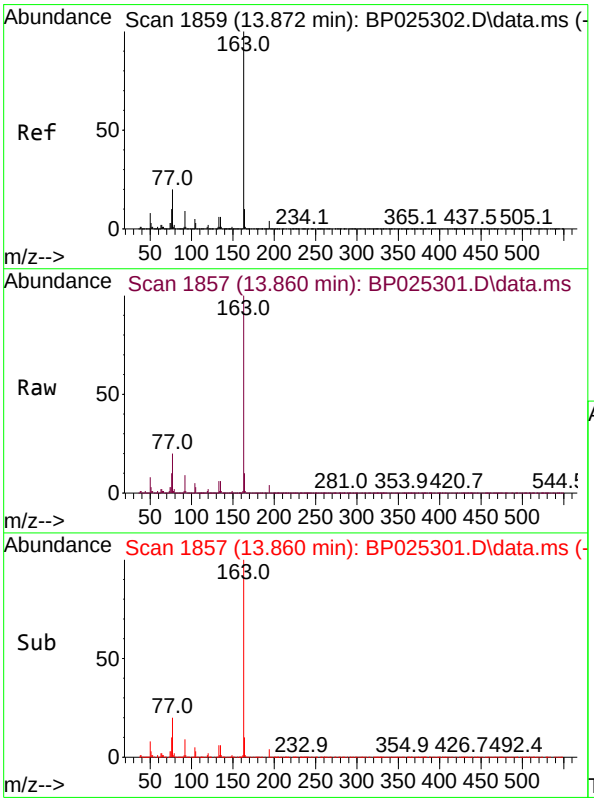
#49
Acenaphthylene
Concen: 20.274 ng
RT: 14.131 min Scan# 19
Delta R.T. -0.011 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1469277

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.4	15.6

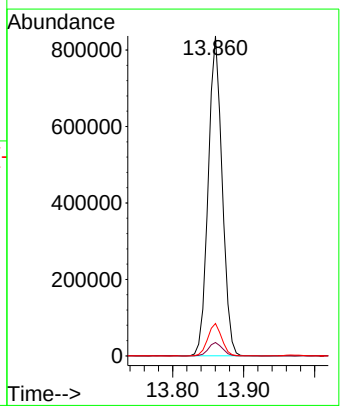


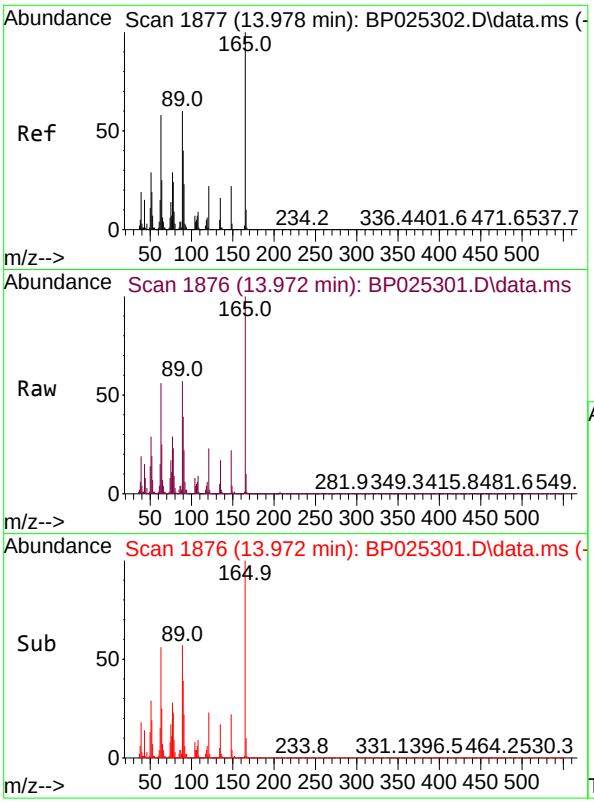


#50
Dimethylphthalate
Concen: 20.169 ng
RT: 13.860 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:163 Resp: 1136145

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0



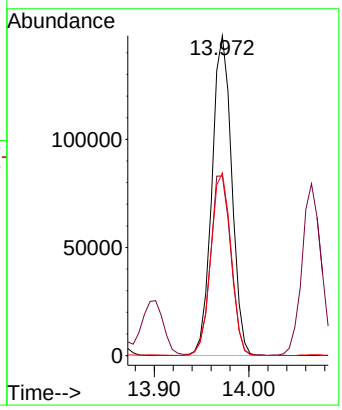


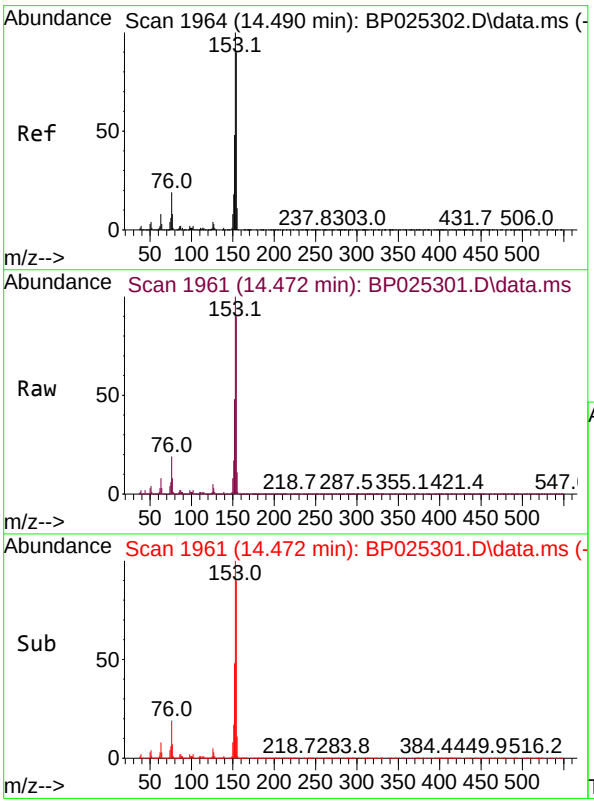
#51
2,6-Dinitrotoluene
Concen: 20.669 ng
RT: 13.972 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 214760

Ion	Ratio	Lower	Upper
165	100		
63	56.1	47.6	71.4
89	57.1	47.8	71.8

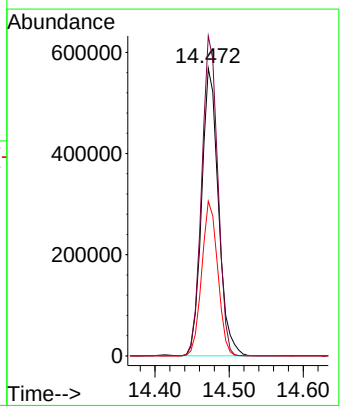


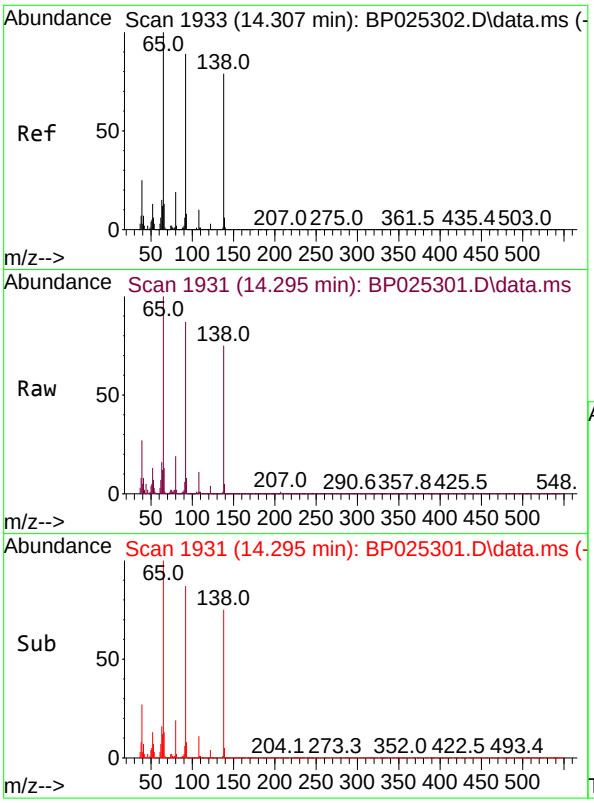


#52
Acenaphthene
Concen: 20.209 ng
RT: 14.472 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:154 Resp: 893336

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.4	134.0
152	53.8	43.0	64.6



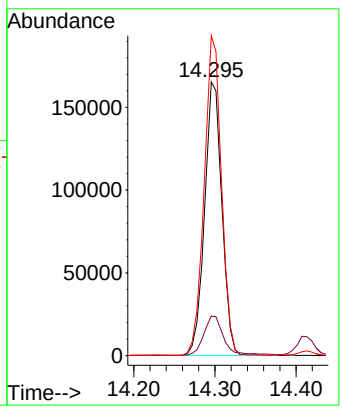


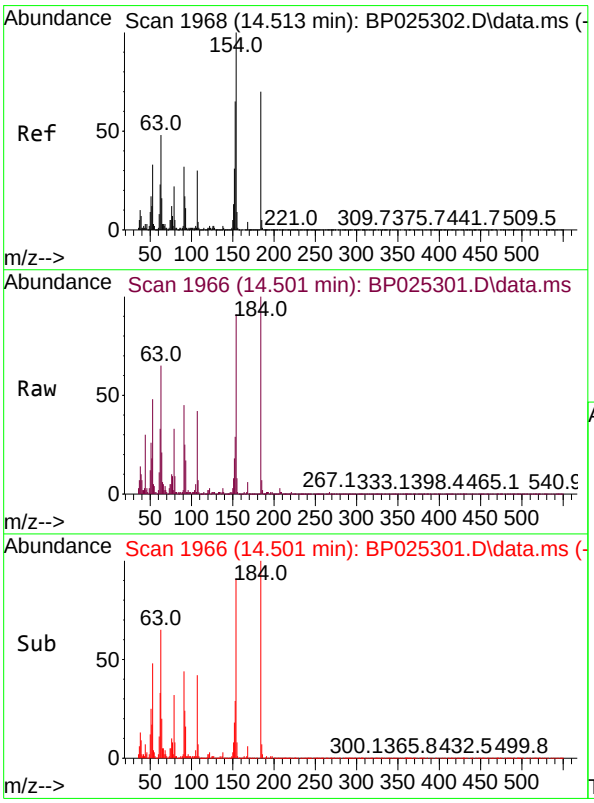
#53
3-Nitroaniline
Concen: 20.146 ng
RT: 14.295 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 244949

Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.5	15.7
92	117.0	90.9	136.3

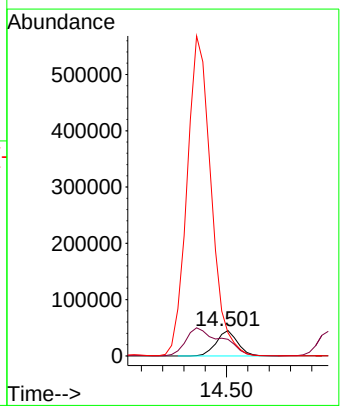


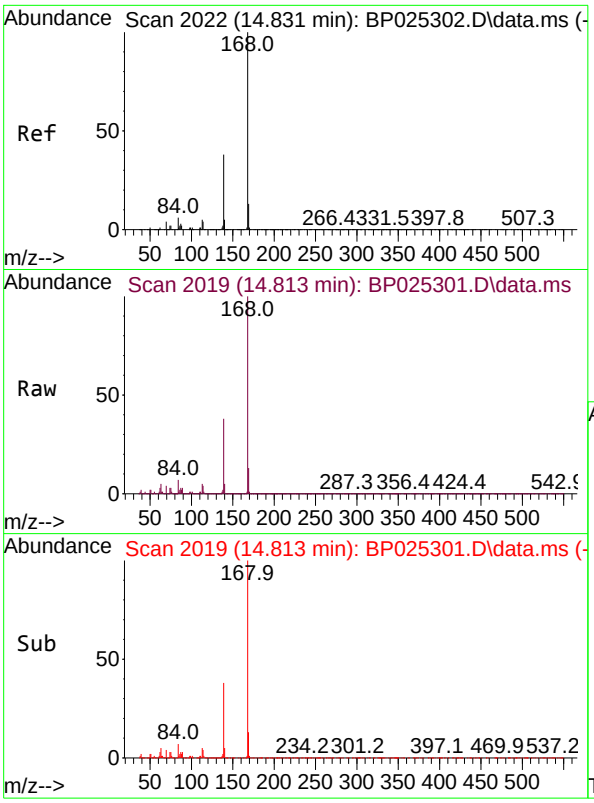


#54
2,4-Dinitrophenol
Concen: 20.728 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:184 Resp: 62185

Ion	Ratio	Lower	Upper
184	100		
63	65.0	56.3	84.5
154	91.0	124.5	186.7#



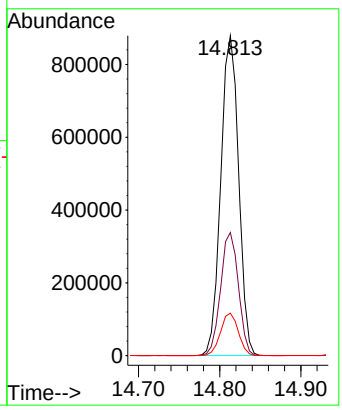


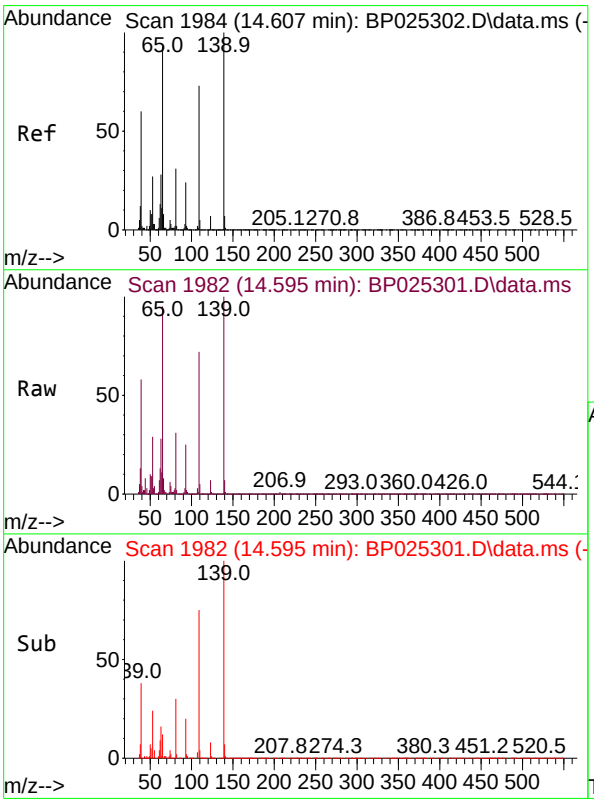
#55
Dibenzofuran
Concen: 20.295 ng
RT: 14.813 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1340675

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	13.3	10.6	15.8

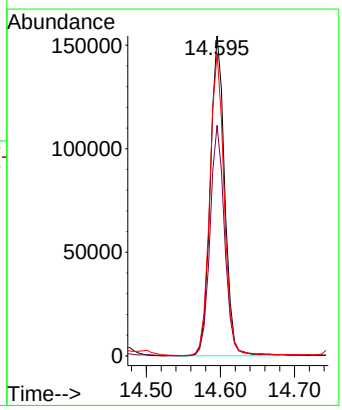


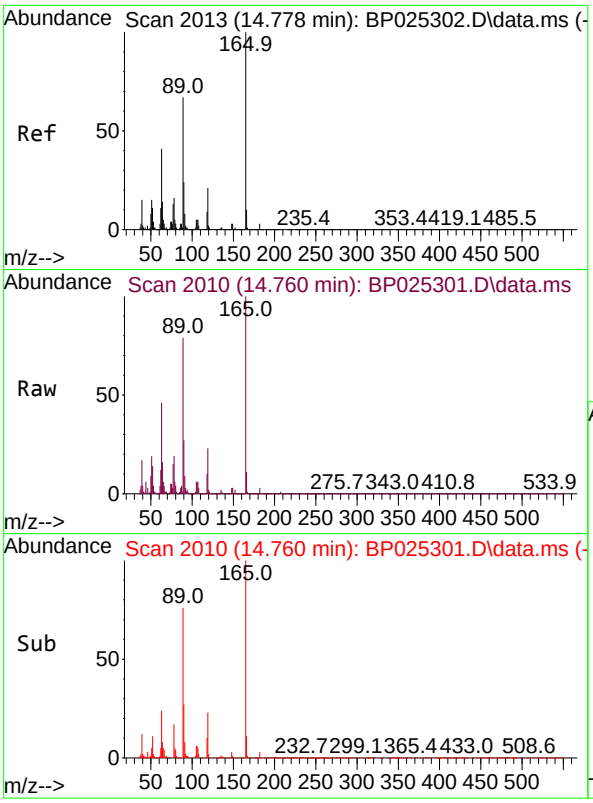


#56
4-Nitrophenol
Concen: 19.428 ng
RT: 14.595 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:139 Resp: 208471

Ion	Ratio	Lower	Upper
139	100		
109	72.0	52.7	92.7
65	94.6	73.4	113.4



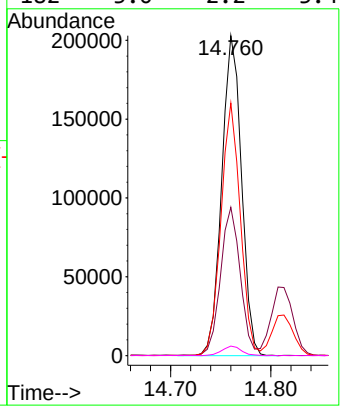


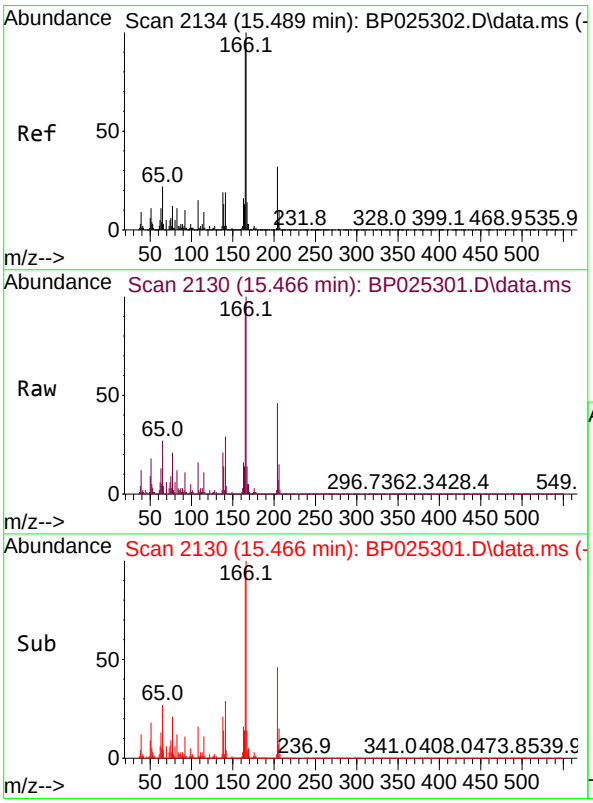
#57
2,4-Dinitrotoluene
Concen: 19.379 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 278602

Ion	Ratio	Lower	Upper
165	100		
63	46.3	33.2	49.8
89	78.9	53.5	80.3
182	3.0	2.2	3.4

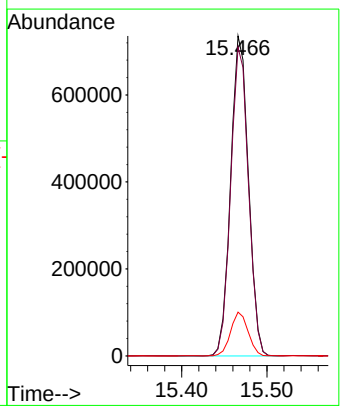


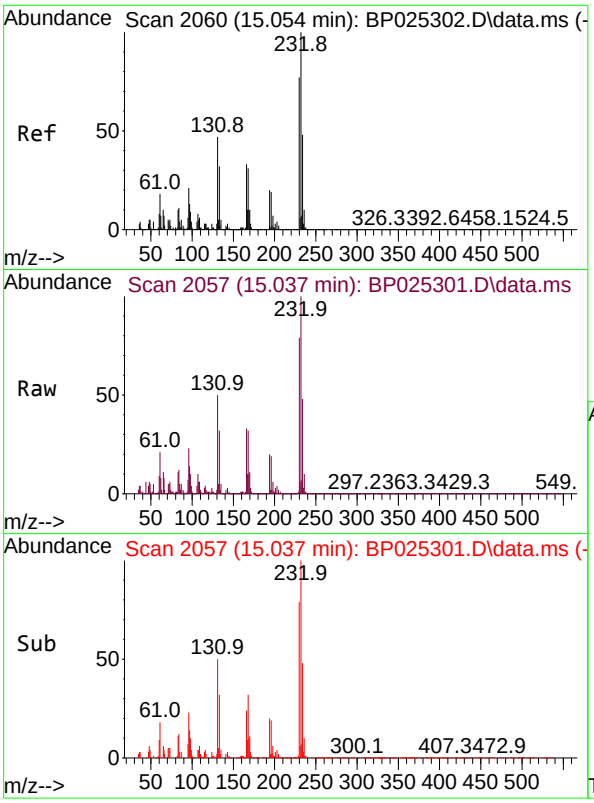


#58
Fluorene
Concen: 20.540 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:166 Resp: 1065702

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.7	115.1
167	13.7	10.9	16.3



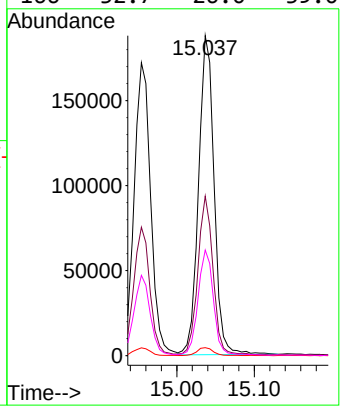


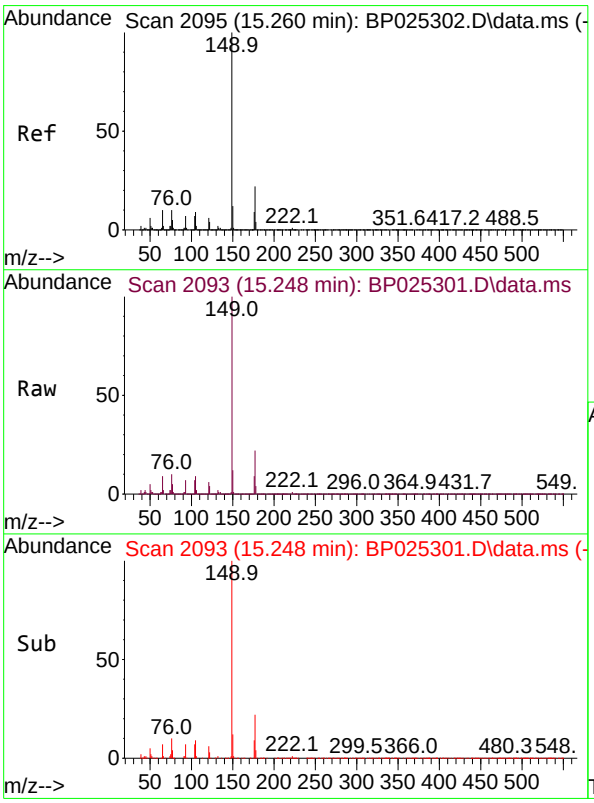
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.379 ng
RT: 15.037 min Scan# 20
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 261795

Ion	Ratio	Lower	Upper
232	100		
131	48.2	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0

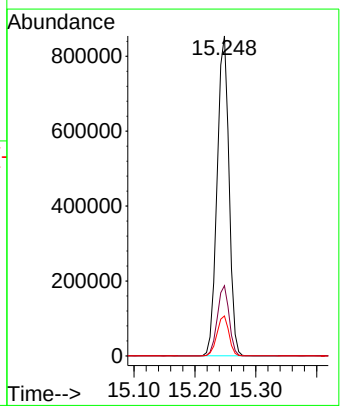


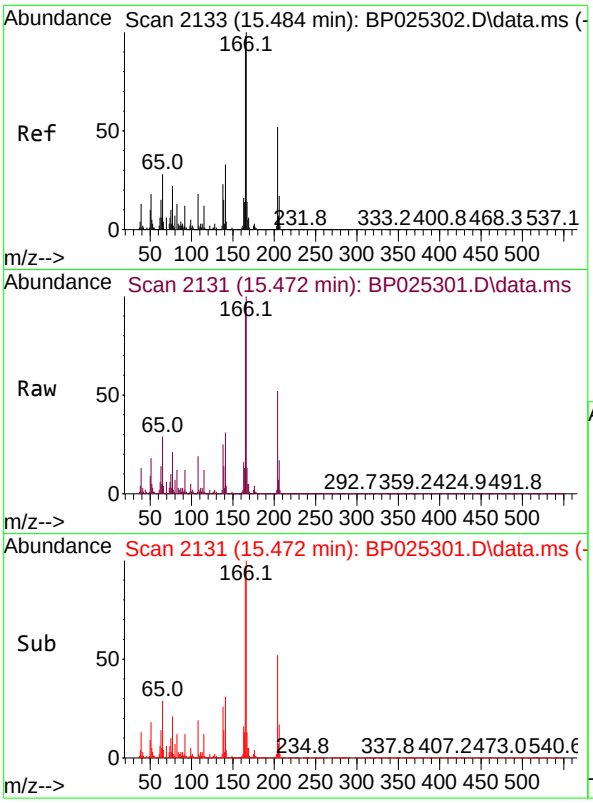


#60
Diethylphthalate
Concen: 20.380 ng
RT: 15.248 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1157469

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.5	9.8	14.8



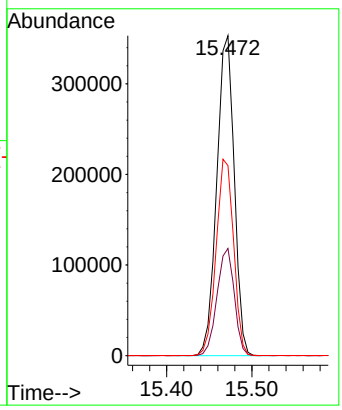


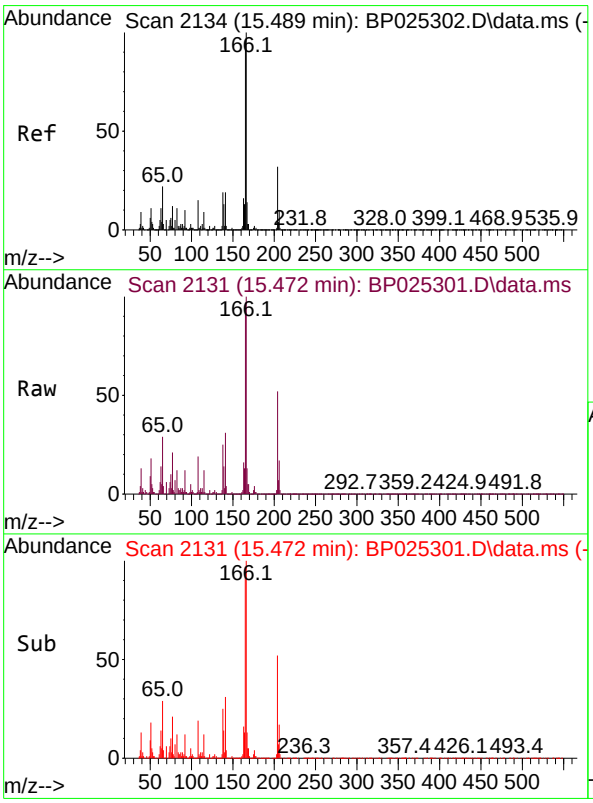
#61
4-Chlorophenyl-phenylether
Concen: 20.445 ng
RT: 15.472 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 502874

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.0	40.4
141	59.4	50.3	75.5

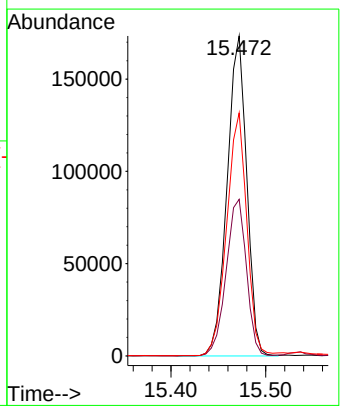


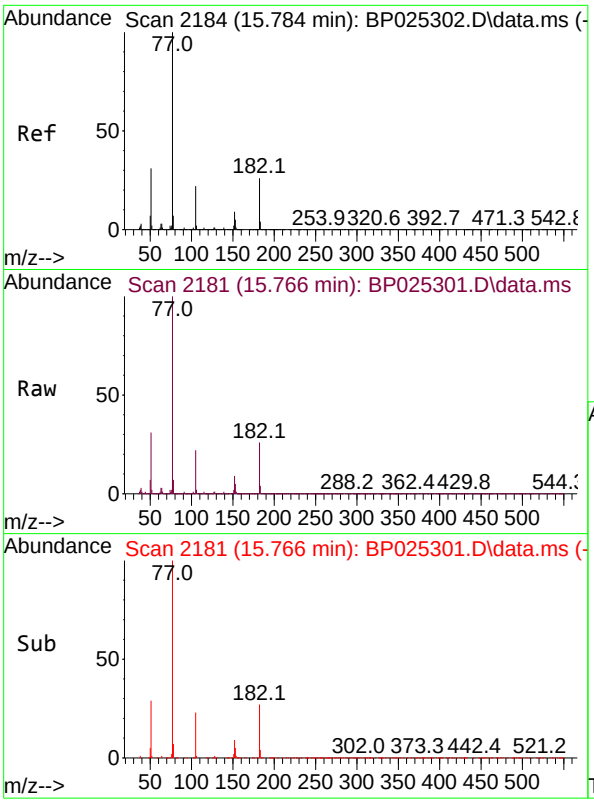


#62
4-Nitroaniline
Concen: 20.775 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:138 Resp: 250280

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.8	69.8
108	75.9	56.6	96.6



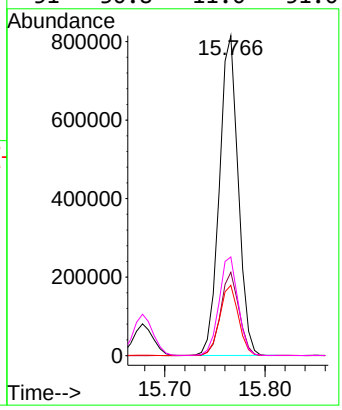


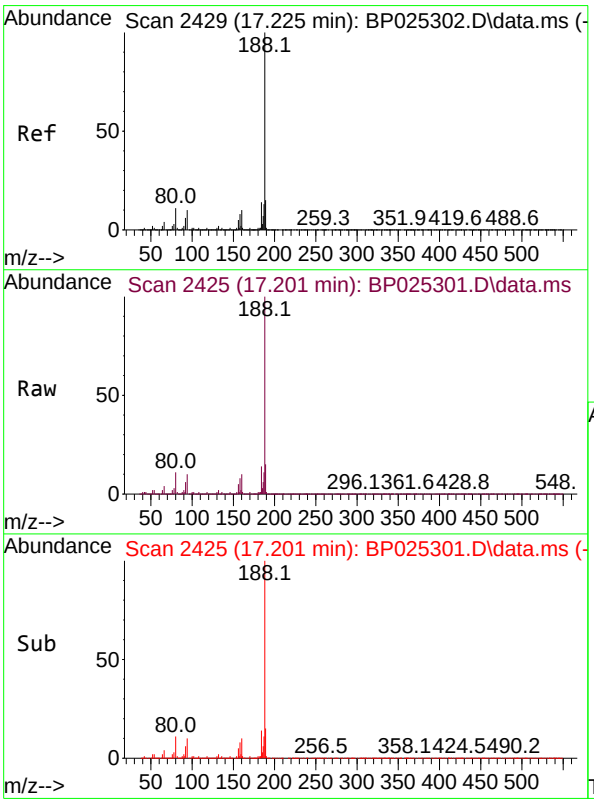
#63
Azobenzene
Concen: 20.145 ng
RT: 15.766 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1062864

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.0	2.1	42.1
51	30.8	11.0	51.0

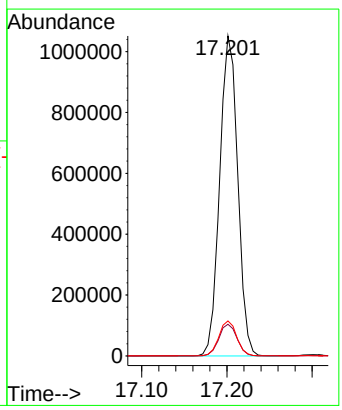


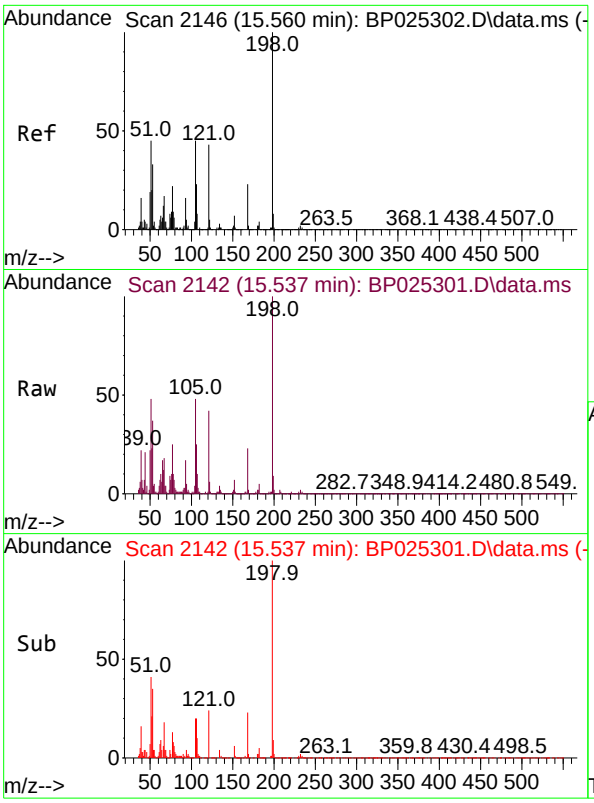


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:188 Resp: 1545091

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.9	8.5	12.7



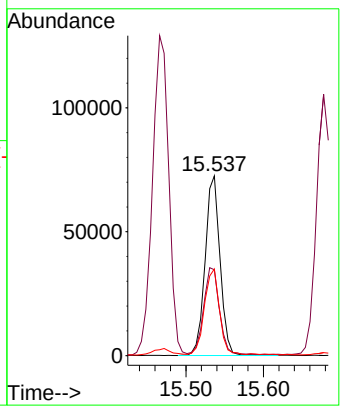


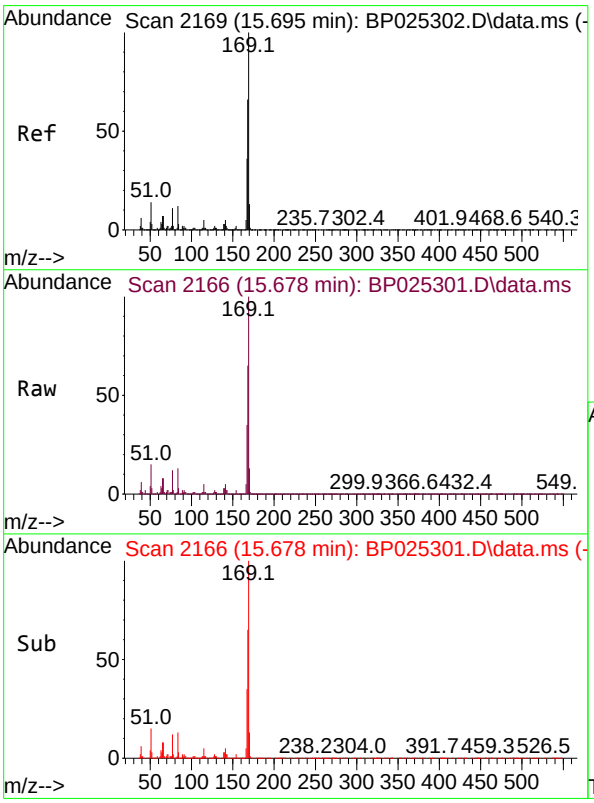
#65
4,6-Dinitro-2-methylphenol
Concen: 20.007 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 96827

Ion	Ratio	Lower	Upper
198	100		
51	47.7	26.7	66.7
105	48.2	25.6	65.6

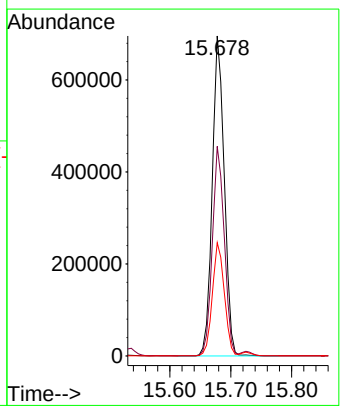


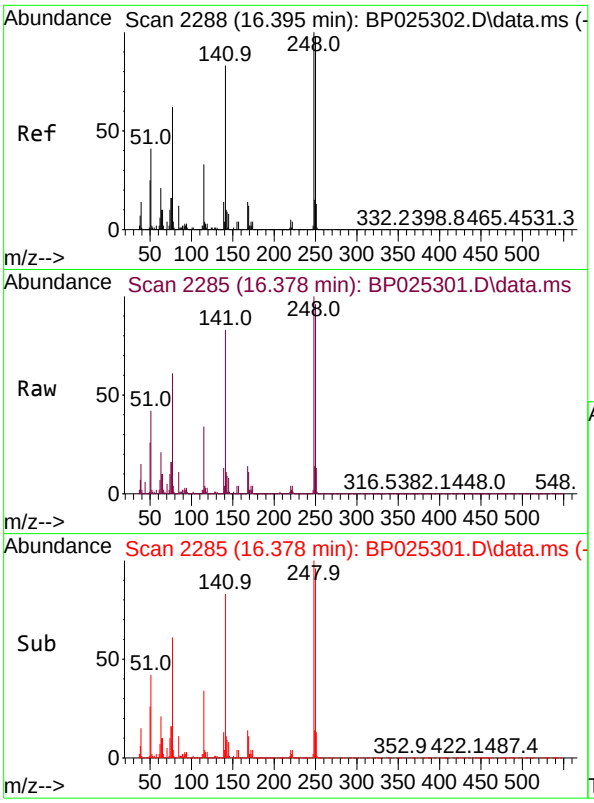


#66
n-Nitrosodiphenylamine
Concen: 20.292 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:169 Resp: 954626

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.8	79.2
167	35.4	28.5	42.7



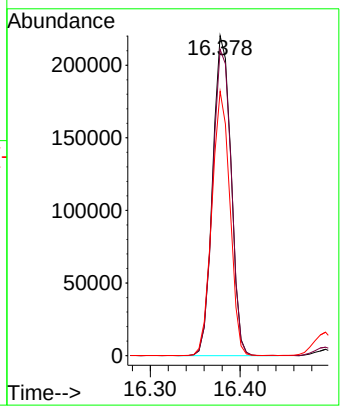


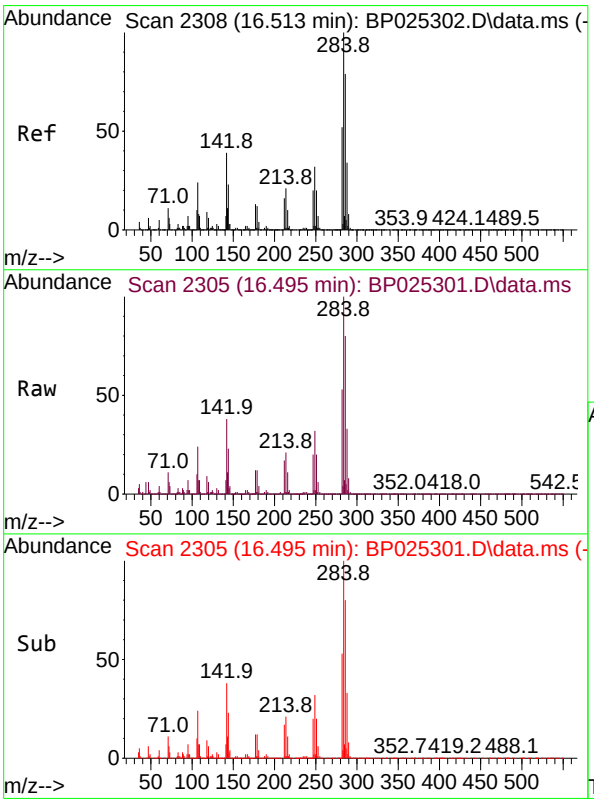
#67
4-Bromophenyl-phenylether
Concen: 20.033 ng
RT: 16.378 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 311442

Ion	Ratio	Lower	Upper
248	100		
250	95.7	78.6	117.8
141	82.6	66.6	99.8

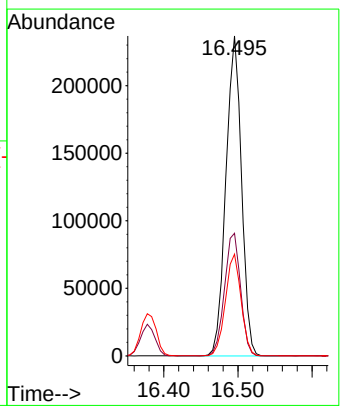


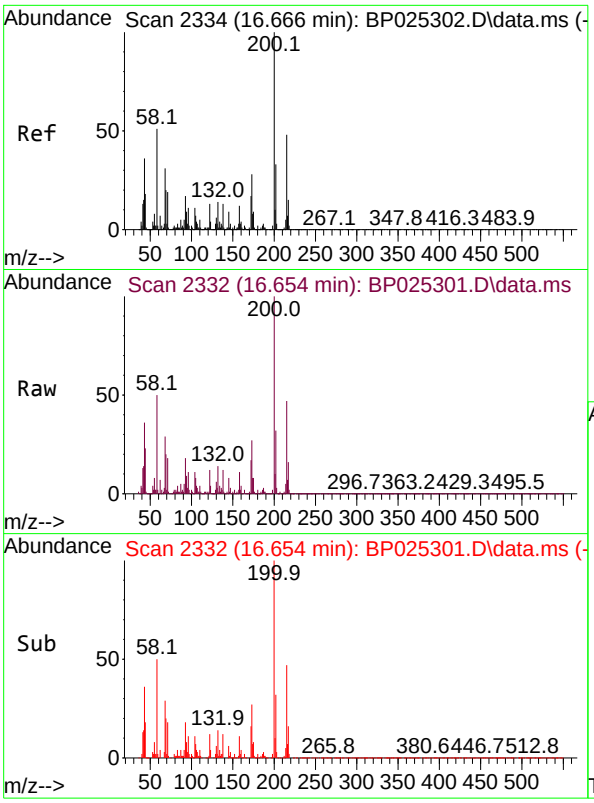


#68
Hexachlorobenzene
Concen: 19.800 ng
RT: 16.495 min Scan# 2305
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:284 Resp: 345386

Ion	Ratio	Lower	Upper
284	100		
142	38.3	30.8	46.2
249	31.8	25.4	38.0



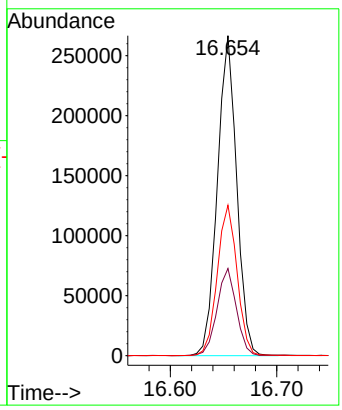


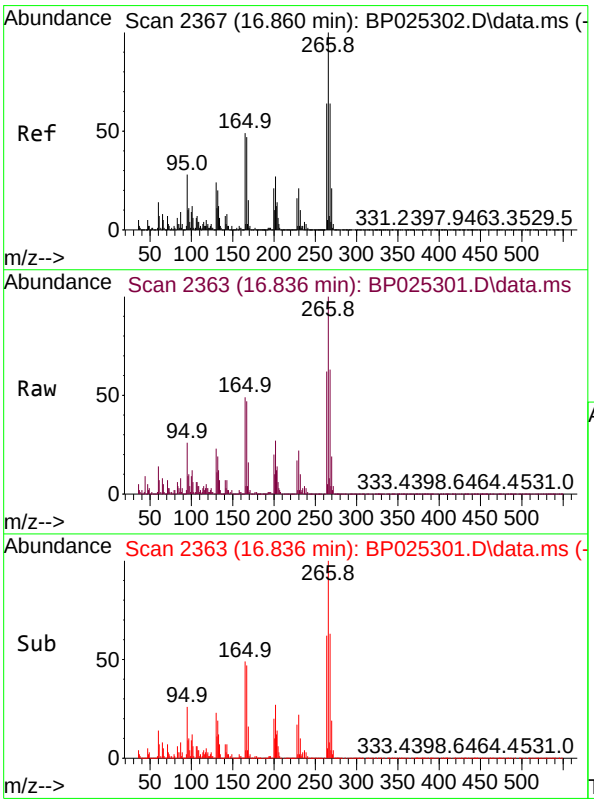
#69
Atrazine
Concen: 20.337 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 336474

Ion	Ratio	Lower	Upper
200	100		
173	27.2	8.2	48.2
215	47.0	28.1	68.1

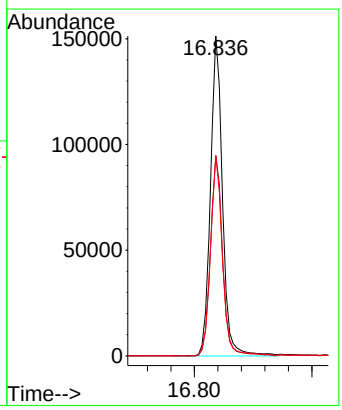


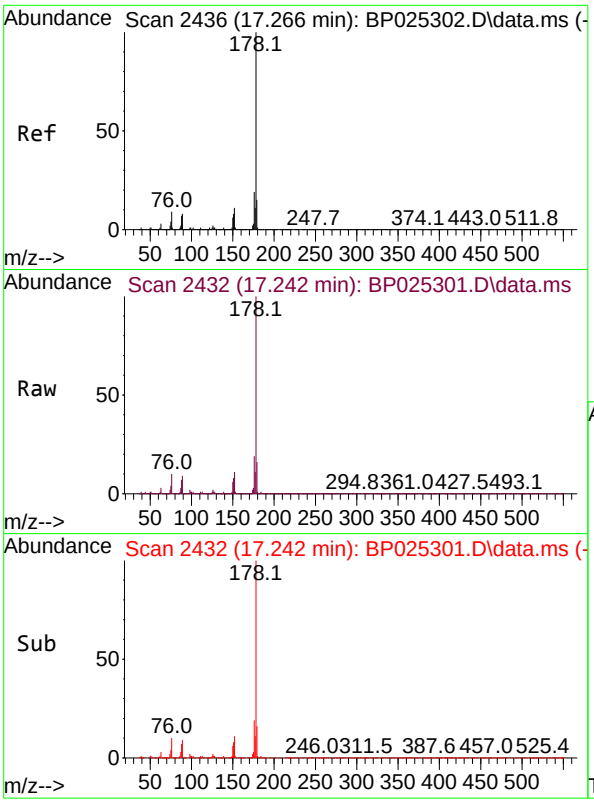


#70
Pentachlorophenol
Concen: 19.278 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:266 Resp: 214251

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.4	77.0
264	62.5	51.1	76.7



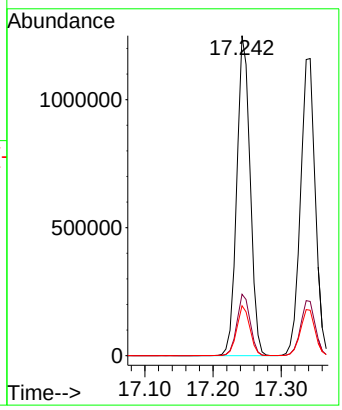


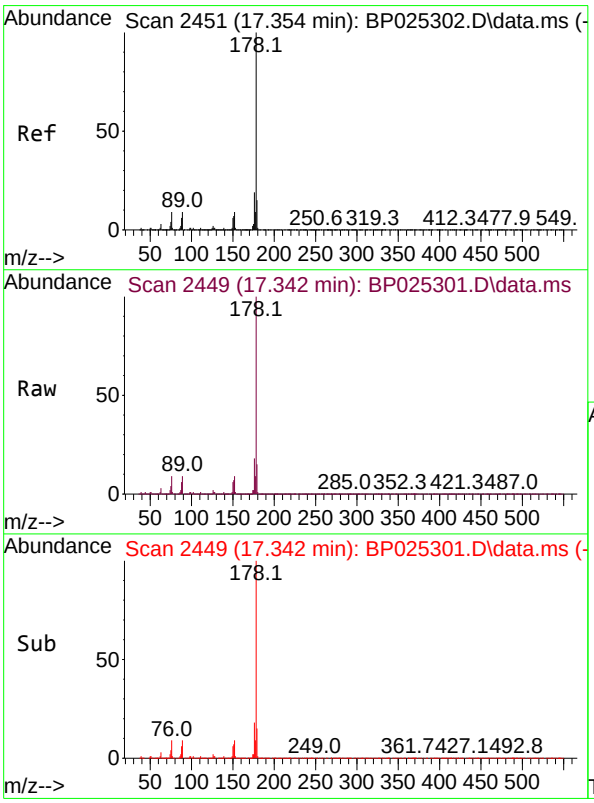
#71
Phenanthrene
Concen: 20.038 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1695710

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.1	18.1

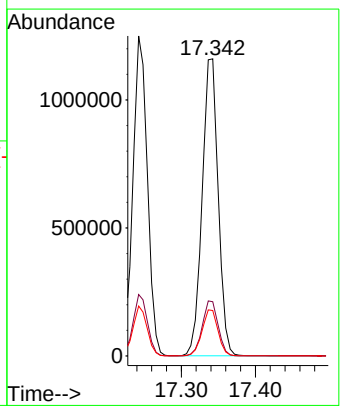


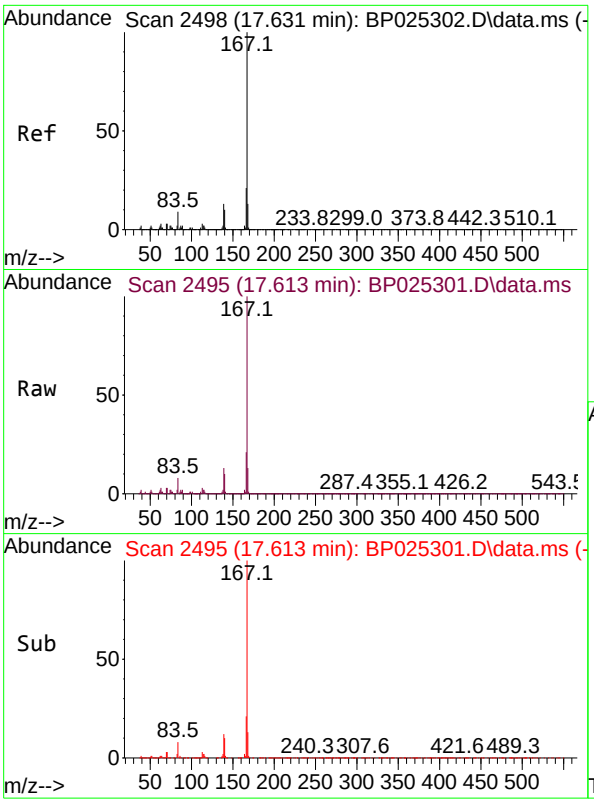


#72
Anthracene
Concen: 20.442 ng
RT: 17.342 min Scan# 2449
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:178 Resp: 1744320

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.3	18.5



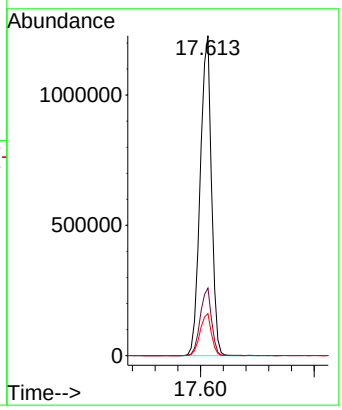


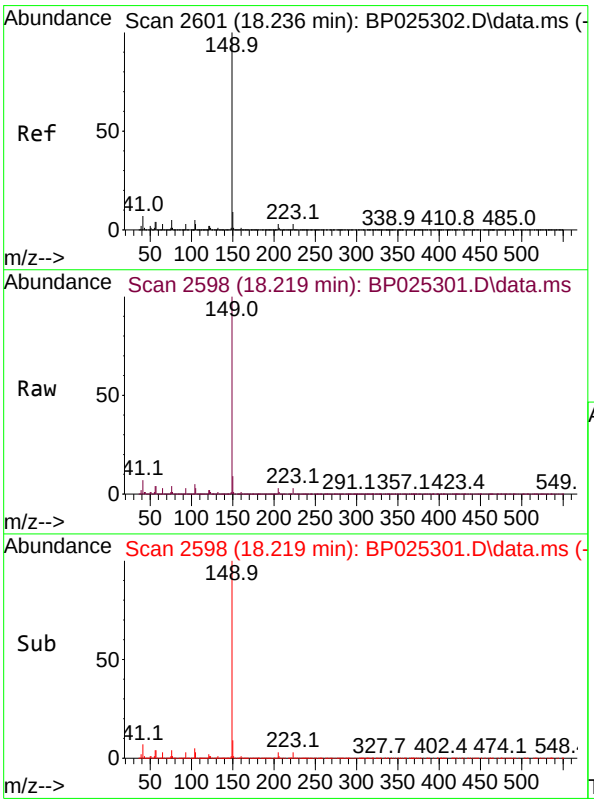
#73
Carbazole
Concen: 20.485 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1677911

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	13.1	10.6	16.0

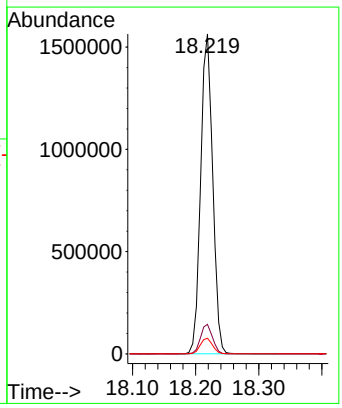


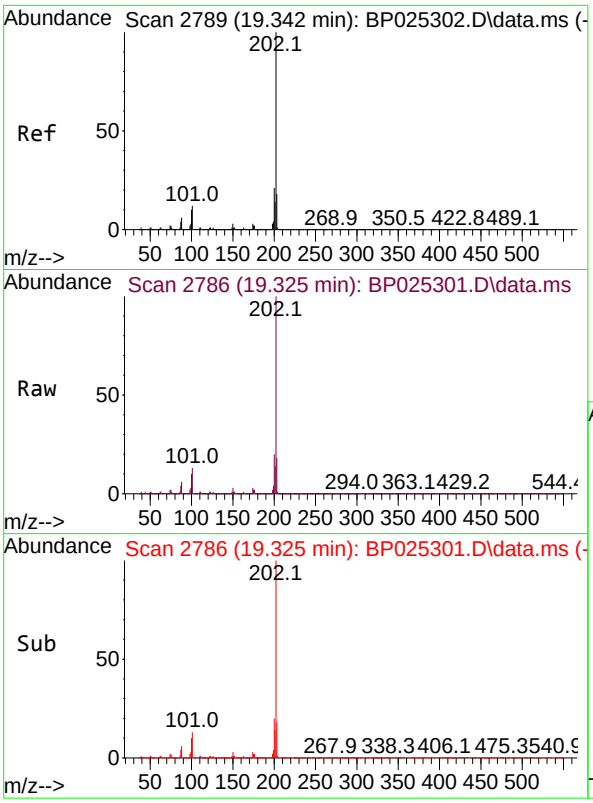


#74
Di-n-butylphthalate
Concen: 20.853 ng
RT: 18.219 min Scan# 2598
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 2066393

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.1	6.1



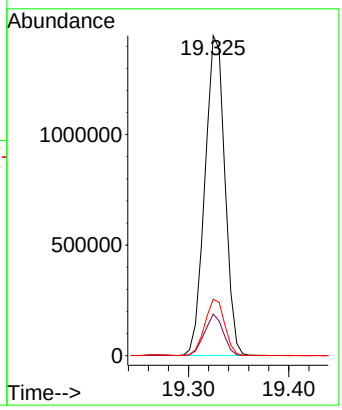


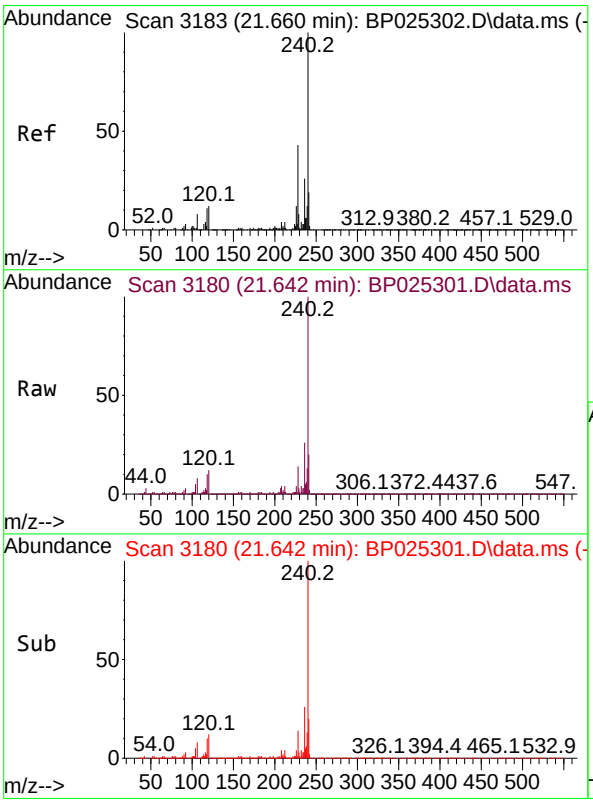
#75
Fluoranthene
Concen: 20.364 ng
RT: 19.325 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1994945

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	17.6	0.0	37.6

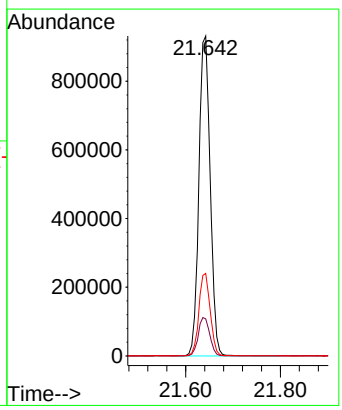


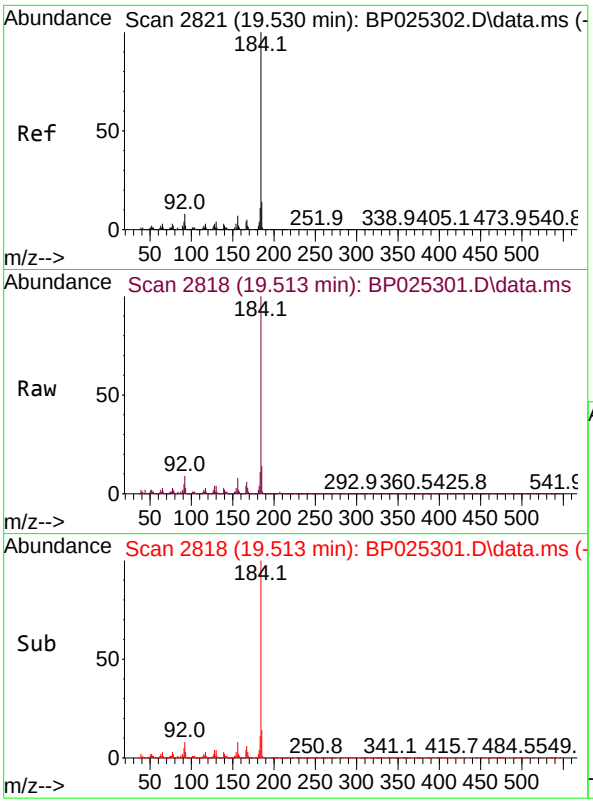


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:240 Resp: 1541869

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.8	20.4	30.6



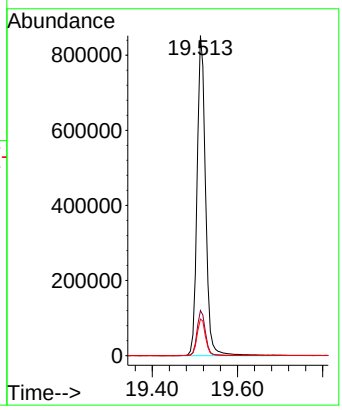


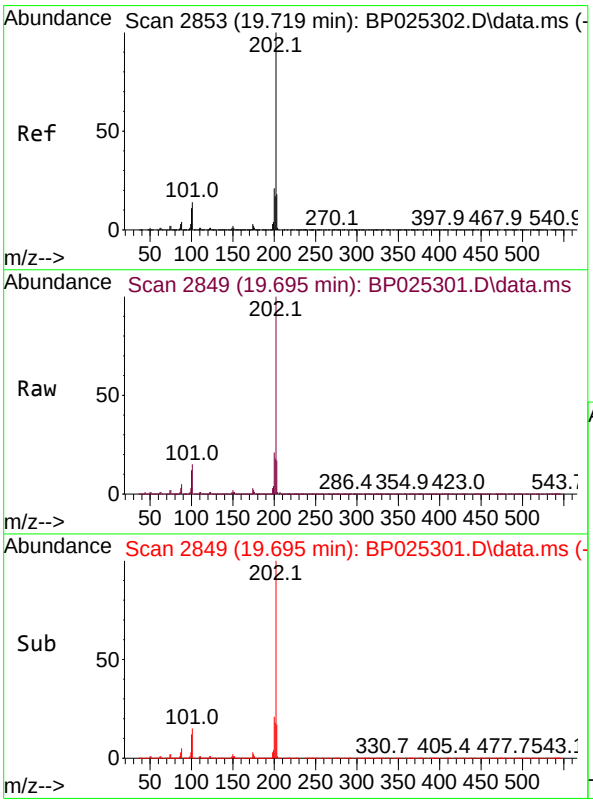
#77
Benzidine
Concen: 21.065 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 1175553

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.4	9.2	13.8

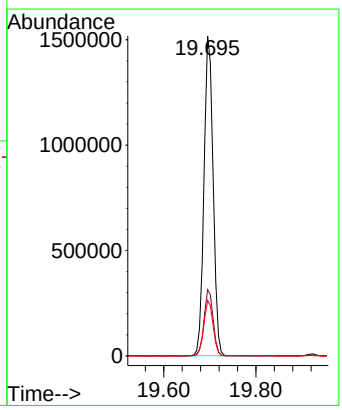


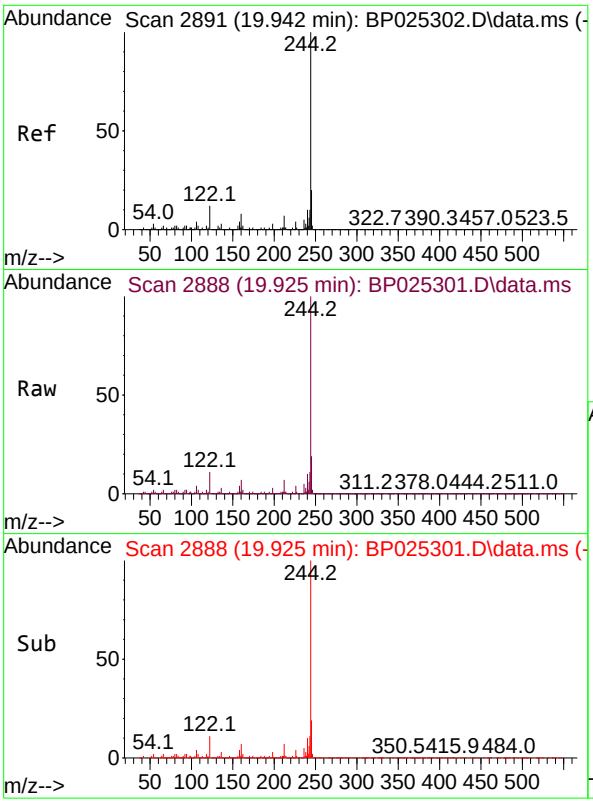


#78
Pyrene
Concen: 20.301 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:202 Resp: 2081509

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.4	14.1	21.1



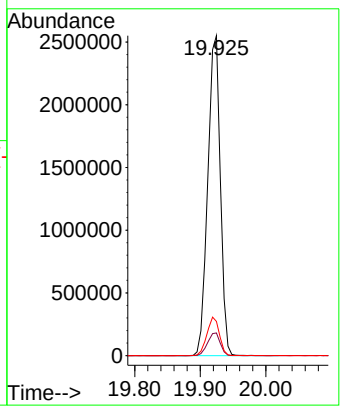


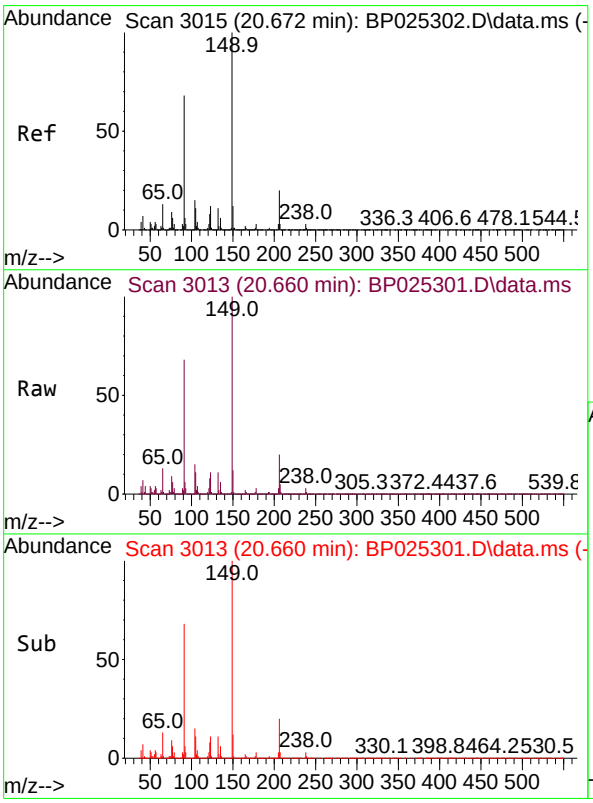
#79
Terphenyl-d14
Concen: 41.421 ng
RT: 19.925 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3380656

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.7	9.5	14.3

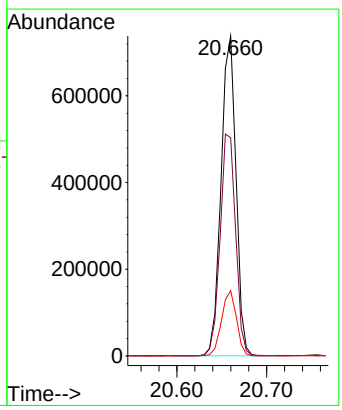


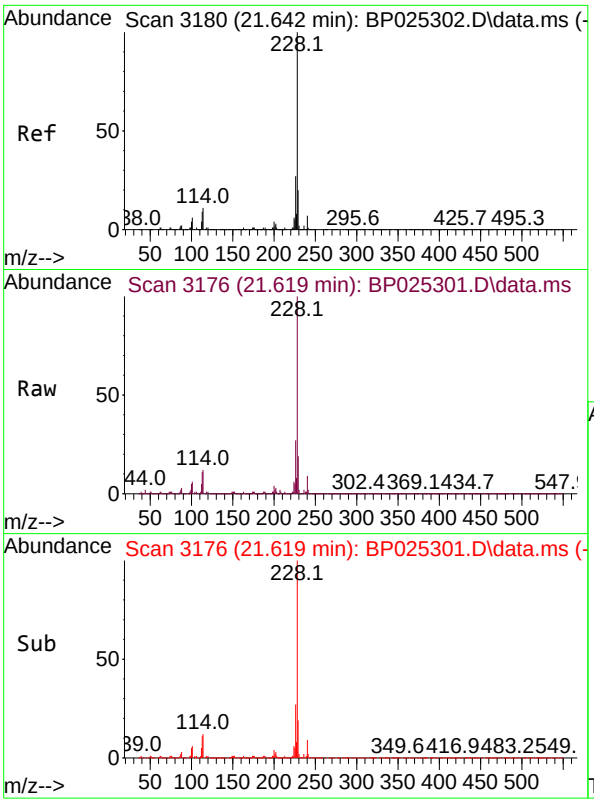


#80
Butylbenzylphthalate
Concen: 20.547 ng
RT: 20.660 min Scan# 3013
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 854396

Ion	Ratio	Lower	Upper
149	100		
91	68.2	54.7	82.1
206	20.4	16.4	24.6



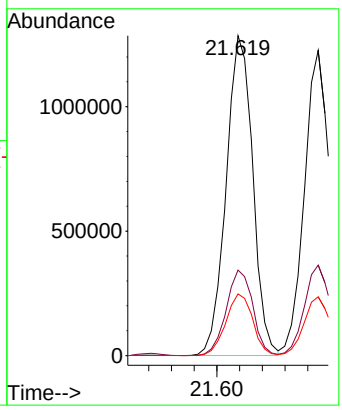


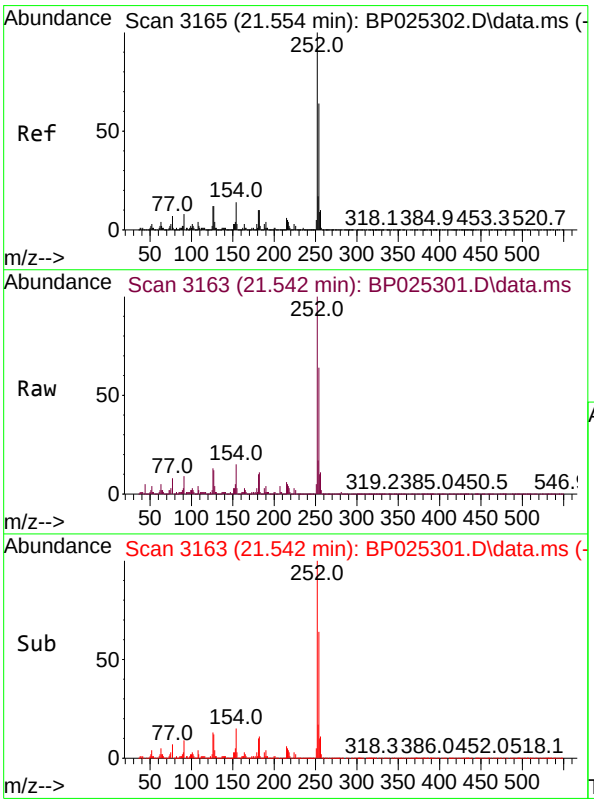
#81
Benzo(a)anthracene
Concen: 20.421 ng
RT: 21.619 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 2092336

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.3	16.0	24.0

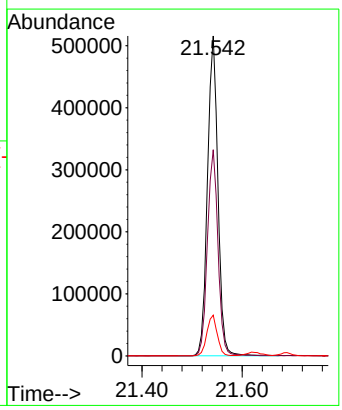


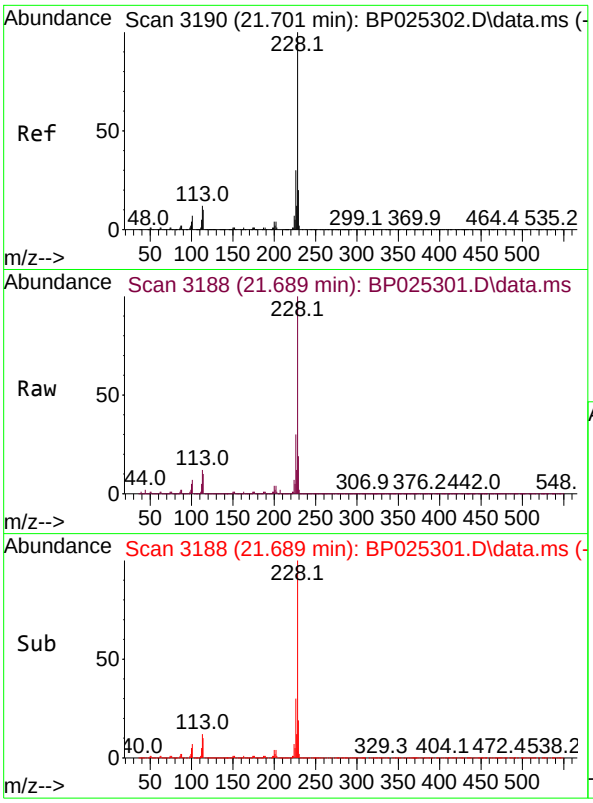


#82
3,3'-Dichlorobenzidine
Concen: 20.628 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 745703

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.7	9.4	14.2



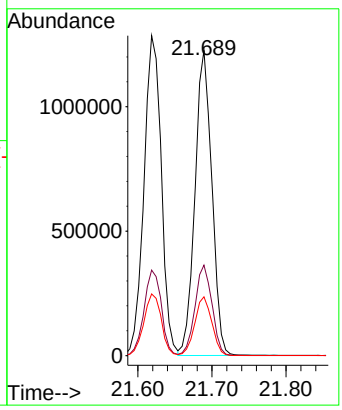


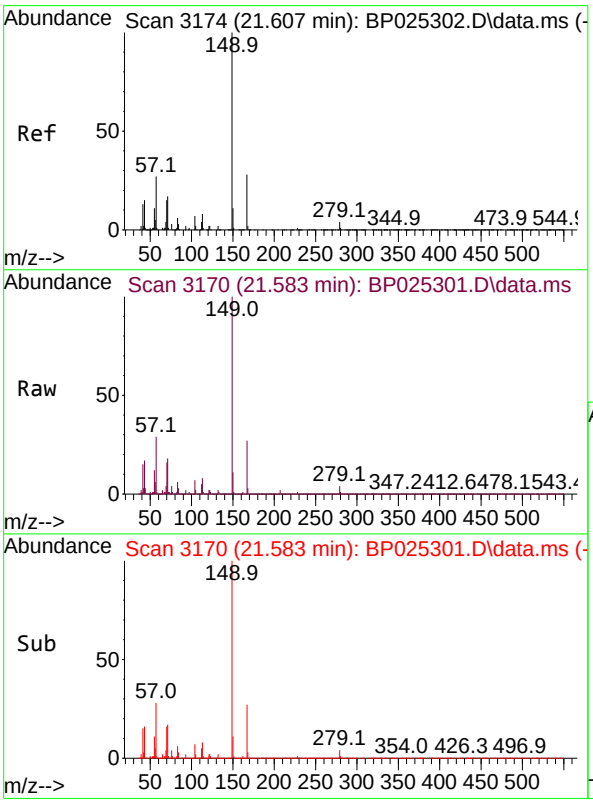
#83
Chrysene
Concen: 20.400 ng
RT: 21.689 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1938698

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.3	15.9	23.9

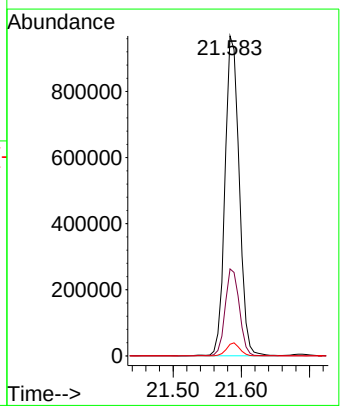


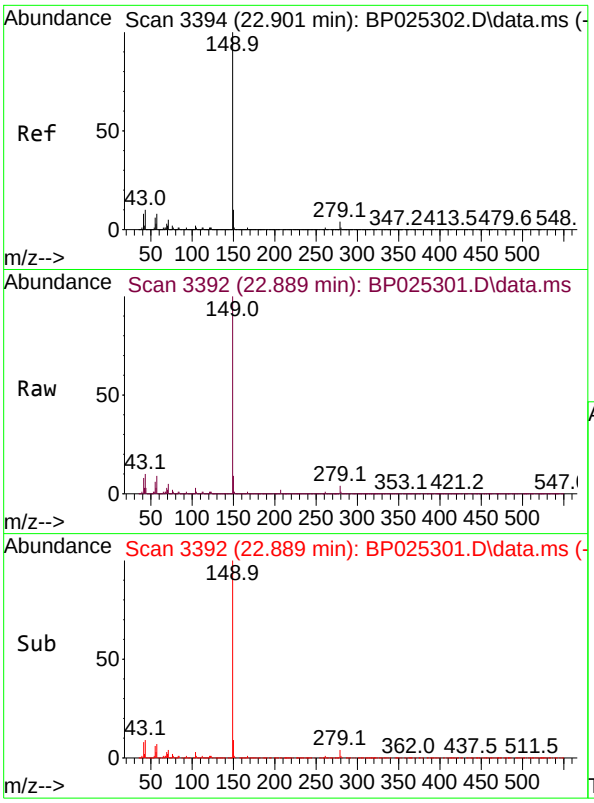


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.958 ng
RT: 21.583 min Scan# 3170
Delta R.T. -0.024 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:149 Resp: 1391559

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	3.7	3.4	5.2



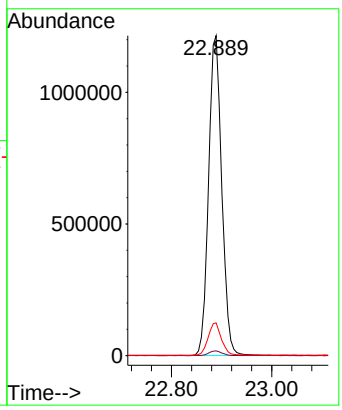


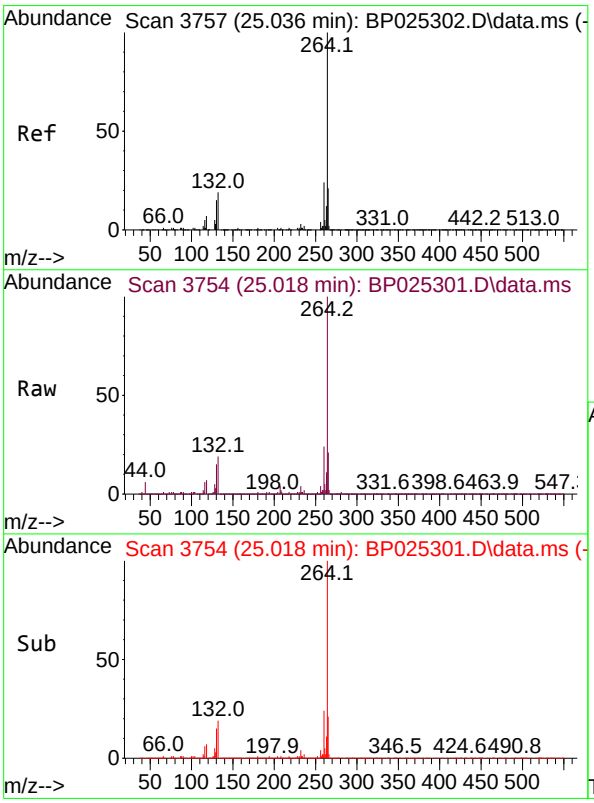
#85
Di-n-octyl phthalate
Concen: 19.895 ng
RT: 22.889 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 2211074

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.1	7.9	11.9

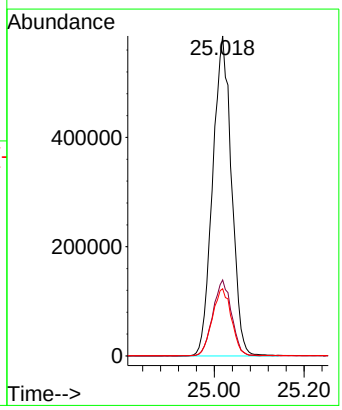


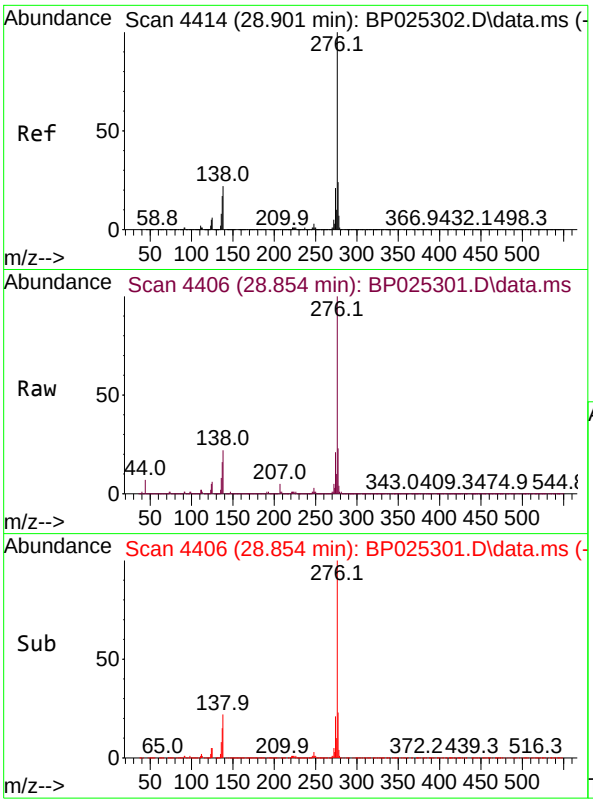


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:264 Resp: 1709357

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.1	25.7



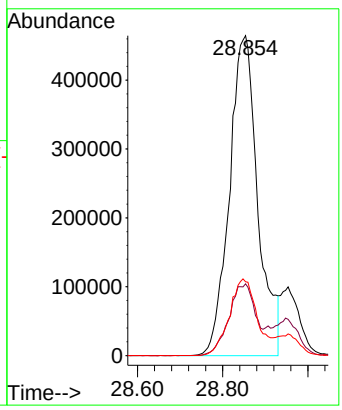


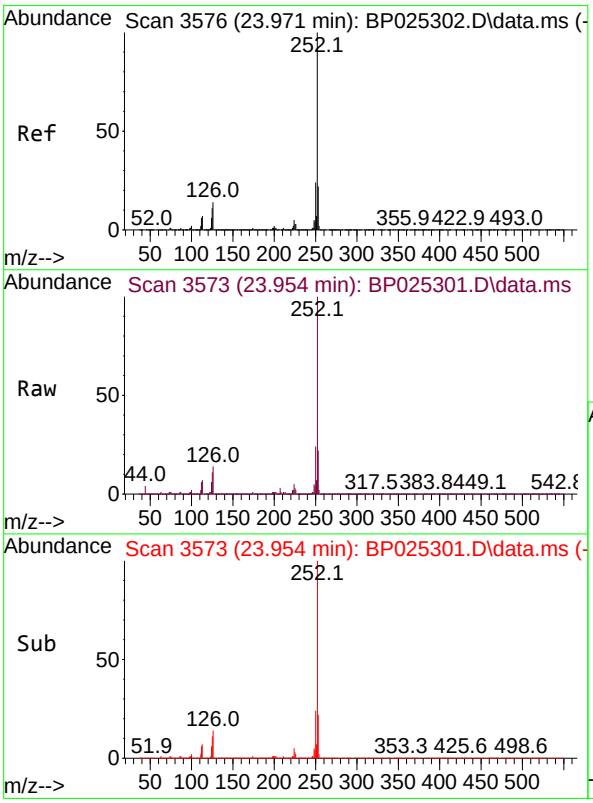
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.551 ng
RT: 28.854 min Scan# 44
Delta R.T. -0.047 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2153502

Ion	Ratio	Lower	Upper
276	100		
138	21.0	14.6	22.0
277	23.5	16.8	25.2

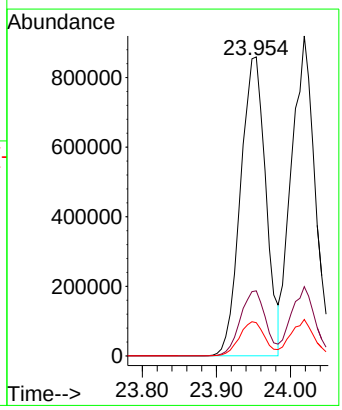


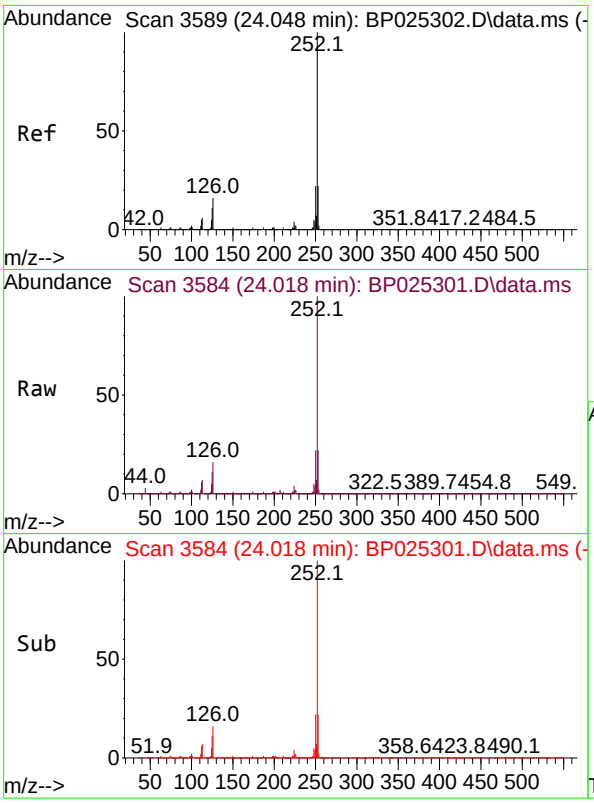


#88
Benzo(b)fluoranthene
Concen: 19.945 ng
RT: 23.954 min Scan# 3573
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 2040906

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.1	8.5	12.7



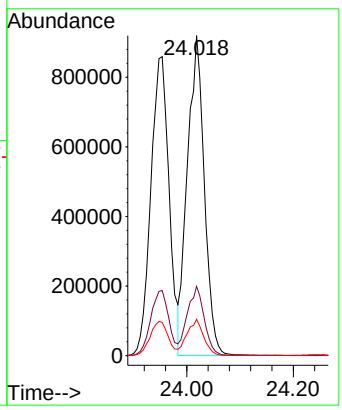


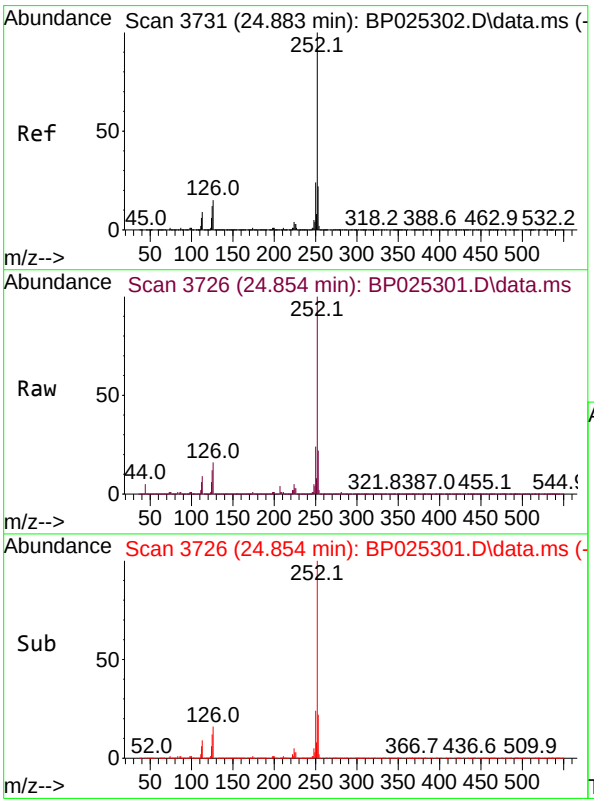
#89
Benzo(k)fluoranthene
Concen: 20.034 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 2032226

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.4	8.5	12.7

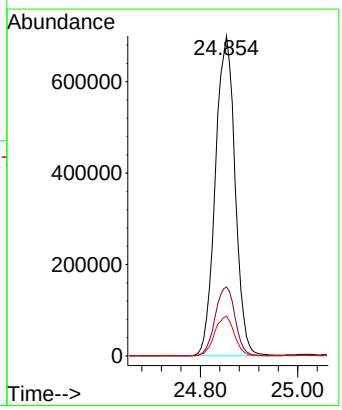


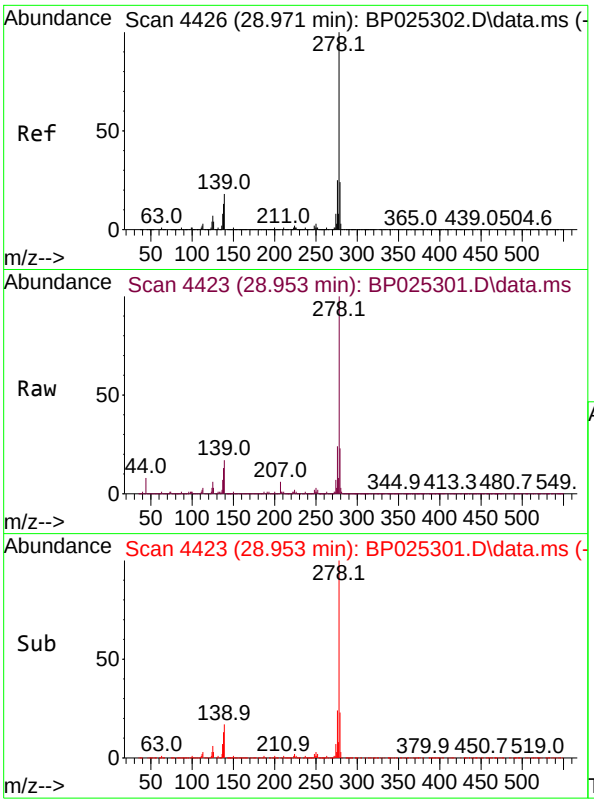


#90
Benzo(a)pyrene
Concen: 19.917 ng
RT: 24.854 min Scan# 3726
Delta R.T. -0.029 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:252 Resp: 1962673

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	12.3	9.4	14.0



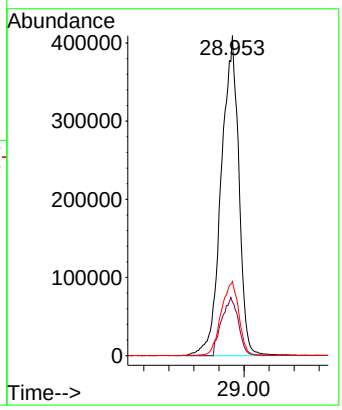


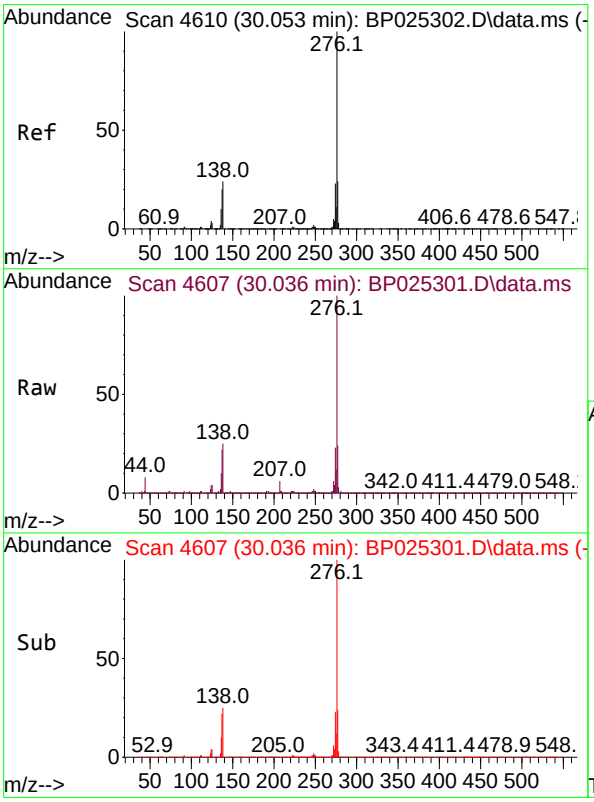
#91
Dibenzo(a,h)anthracene
Concen: 19.860 ng
RT: 28.953 min Scan# 44
Delta R.T. -0.018 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1992808

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.6	22.0
279	23.1	19.0	28.4

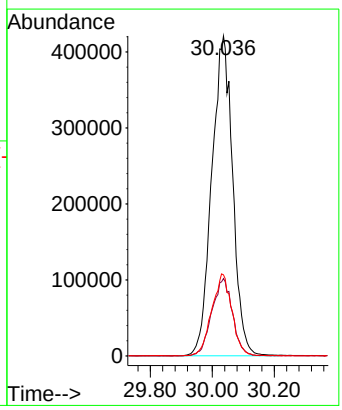




#92
Benzo(g,h,i)perylene
Concen: 19.938 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.017 min
Lab File: BP025301.D
Acq: 05 Aug 2025 14:06

Tgt Ion:276 Resp: 1964046

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	25.3	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	201963	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	880642	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	554286	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	1096367	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1098659	20.000	ng	0.00
86) Perylene-d12	25.036	264	1264736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	996403	78.838	ng	0.00
7) Phenol-d6	6.966	99	1318375	79.077	ng	0.00
23) Nitrobenzene-d5	8.943	82	1316251	80.869	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	470979	82.296	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3200514	80.179	ng	0.00
79) Terphenyl-d14	19.942	244	4595144	79.015	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	194354	39.221	ng	100
3) Pyridine	3.725	79	541403	39.325	ng	100
4) n-Nitrosodimethylamine	3.631	42	246918	38.631	ng	100
6) Aniline	7.131	93	895891	39.490	ng	100
8) 2-Chlorophenol	7.372	128	545256	39.670	ng	100
9) Benzaldehyde	6.949	77	566415	48.256	ng	100
10) Phenol	6.990	94	699120	39.538	ng	100
11) bis(2-Chloroethyl)ether	7.225	93	539982	38.975	ng	100
12) 1,3-Dichlorobenzene	7.696	146	595110	38.533	ng	100
13) 1,4-Dichlorobenzene	7.837	146	609114	38.983	ng	100
14) 1,2-Dichlorobenzene	8.149	146	587683	38.826	ng	100
15) Benzyl Alcohol	8.031	79	502383	39.218	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.325	45	850917	38.879	ng	100
17) 2-Methylphenol	8.225	107	474988	40.146	ng	100
18) Hexachloroethane	8.878	117	218135	39.037	ng	100
19) n-Nitroso-di-n-propyla...	8.596	70	436056	40.160	ng	100
20) 3+4-Methylphenols	8.549	107	640969	39.342	ng	100
22) Acetophenone	8.607	105	867835	39.255	ng	100
24) Nitrobenzene	8.984	77	606097	40.280	ng	100
25) Isophorone	9.502	82	1255611	39.682	ng	100
26) 2-Nitrophenol	9.684	139	225091	35.376	ng	100
27) 2,4-Dimethylphenol	9.749	122	570930	39.137	ng	100
28) bis(2-Chloroethoxy)met...	9.984	93	759841	39.476	ng	100
29) 2,4-Dichlorophenol	10.213	162	522153	40.884	ng	100
30) 1,2,4-Trichlorobenzene	10.437	180	548893	38.956	ng	100
31) Naphthalene	10.625	128	1791087	39.178	ng	100
32) Benzoic acid	9.849	122	297213	38.952	ng	100
33) 4-Chloroaniline	10.725	127	808713	39.774	ng	100
34) Hexachlorobutadiene	10.913	225	316426	39.122	ng	100
35) Caprolactam	11.472	113	202605	40.802	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	600241	40.617	ng	100
37) 2-Methylnaphthalene	12.225	142	1154835	39.028	ng	100
38) 1-Methylnaphthalene	12.454	142	1205124	39.032	ng	100
40) 1,2,4,5-Tetrachloroben...	12.595	216	606083	40.051	ng	100
41) Hexachlorocyclopentadiene	12.590	237	366850	39.278	ng	100
43) 2,4,6-Trichlorophenol	12.837	196	406436	41.576	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	456928	41.667	ng	100
46) 1,1'-Biphenyl	13.243	154	1605905	39.314	ng	100
47) 2-Chloronaphthalene	13.284	162	1225849	39.335	ng	100
48) 2-Nitroaniline	13.484	65	341536	38.066	ng	100
49) Acenaphthylene	14.142	152	2070346	39.828	ng	100
50) Dimethylphthalate	13.872	163	1586291	39.258	ng	100
51) 2,6-Dinitrotoluene	13.978	165	318700	42.760	ng	100
52) Acenaphthene	14.490	154	1234915	38.947	ng	100
53) 3-Nitroaniline	14.307	138	369122	42.324	ng	100
54) 2,4-Dinitrophenol	14.513	184	105656	38.143	ng	100
55) Dibenzofuran	14.831	168	1863874	39.336	ng	100
56) 4-Nitrophenol	14.607	139	314409	40.848	ng	100
57) 2,4-Dinitrotoluene	14.778	165	431918	38.103	ng	100
58) Fluorene	15.489	166	1458854	39.200	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.054	232	381224	41.372	ng	100
60) Diethylphthalate	15.260	149	1596506	39.190	ng	100
61) 4-Chlorophenyl-phenyle...	15.484	204	699128	39.626	ng	100
62) 4-Nitroaniline	15.489	138	374812	43.373	ng	100
63) Azobenzene	15.784	77	1497305	39.565	ng	100
65) 4,6-Dinitro-2-methylph...	15.560	198	165146	37.407	ng	100
66) n-Nitrosodiphenylamine	15.695	169	1327098	39.754	ng	100
67) 4-Bromophenyl-phenylether	16.395	248	436238	39.545	ng	100
68) Hexachlorobenzene	16.513	284	482334	38.967	ng	100
69) Atrazine	16.666	200	465752	39.673	ng	100
70) Pentachlorophenol	16.860	266	315442	40.000	ng	100
71) Phenanthrene	17.266	178	2351974	39.167	ng	100
72) Anthracene	17.354	178	2401769	39.667	ng	100
73) Carbazole	17.631	167	2307398	39.700	ng	100
74) Di-n-butylphthalate	18.236	149	2828001	40.220	ng	100
75) Fluoranthene	19.342	202	2745884	39.501	ng	100
77) Benzidine	19.530	184	2131359	53.598	ng	100
78) Pyrene	19.719	202	2831811	38.761	ng	100
80) Butylbenzylphthalate	20.672	149	1241891	41.913	ng	100
81) Benzo(a)anthracene	21.642	228	2859970	39.173	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1039593	40.358	ng	100
83) Chrysene	21.701	228	2674978	39.503	ng	100
84) Bis(2-ethylhexyl)phtha...	21.607	149	1959652	41.420	ng	100
85) Di-n-octyl phthalate	22.901	149	3300305	41.675	ng	100
87) Indeno(1,2,3-cd)pyrene	28.901	276	3151239	34.710	ng	93
88) Benzo(b)fluoranthene	23.971	252	2981039	39.375	ng	100
89) Benzo(k)fluoranthene	24.048	252	2961242	39.456	ng	100
90) Benzo(a)pyrene	24.883	252	2911834	39.938	ng	100
91) Dibenzo(a,h)anthracene	28.971	278	2998158	40.383	ng	100
92) Benzo(g,h,i)perylene	30.053	276	2917156	40.025	ng	100

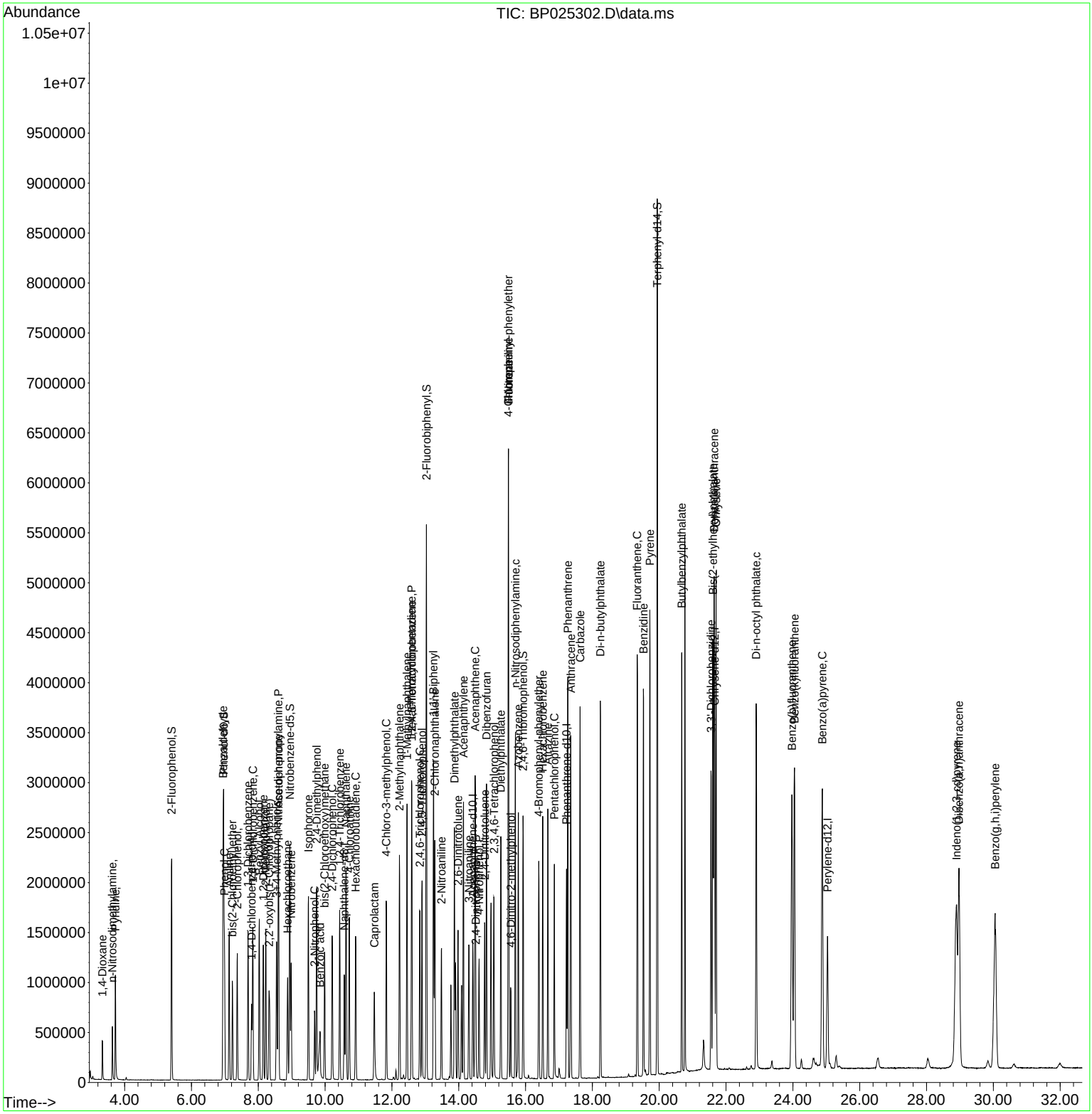
(#) = qualifier out of range (m) = manual integration (+) = signals summed

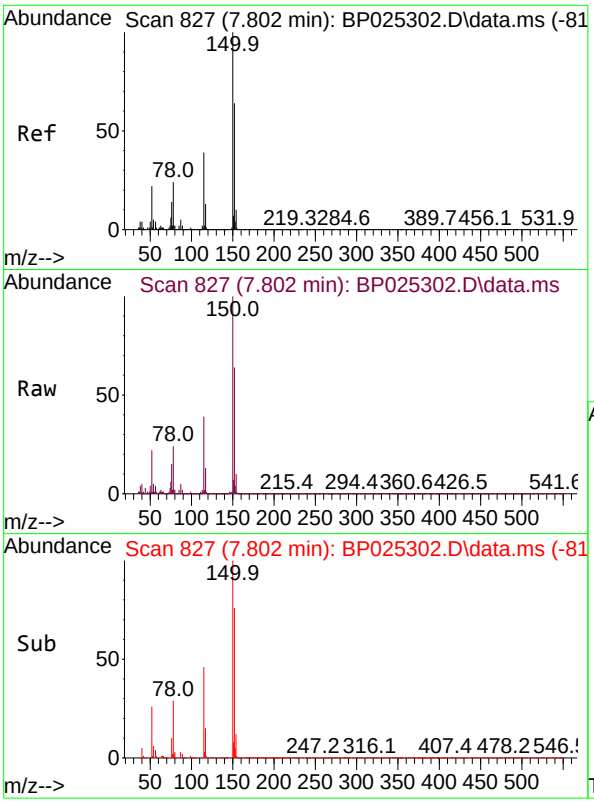
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025302.D
Acq On : 05 Aug 2025 14:47
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 06 06:01:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



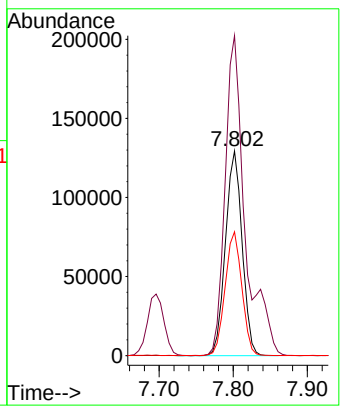


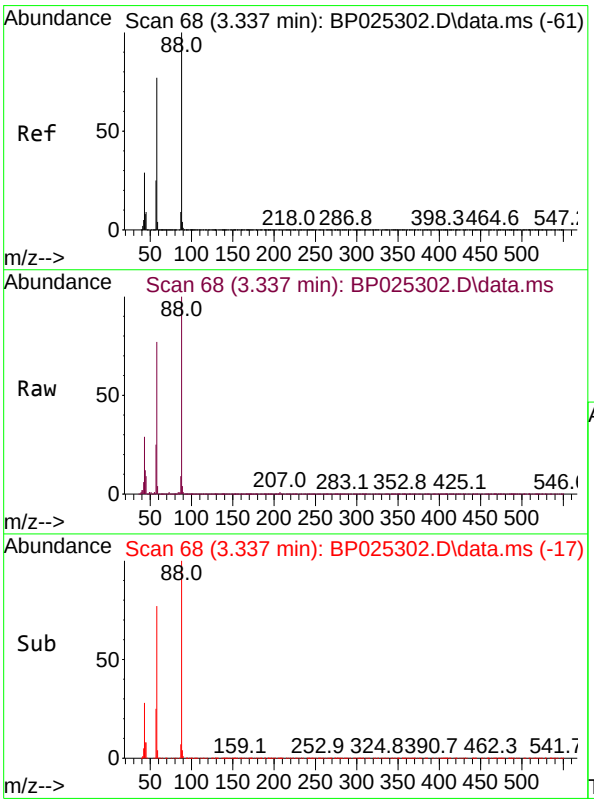
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 201963

Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.1	187.7
115	60.5	48.4	72.6

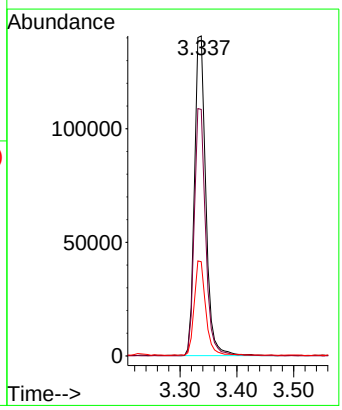


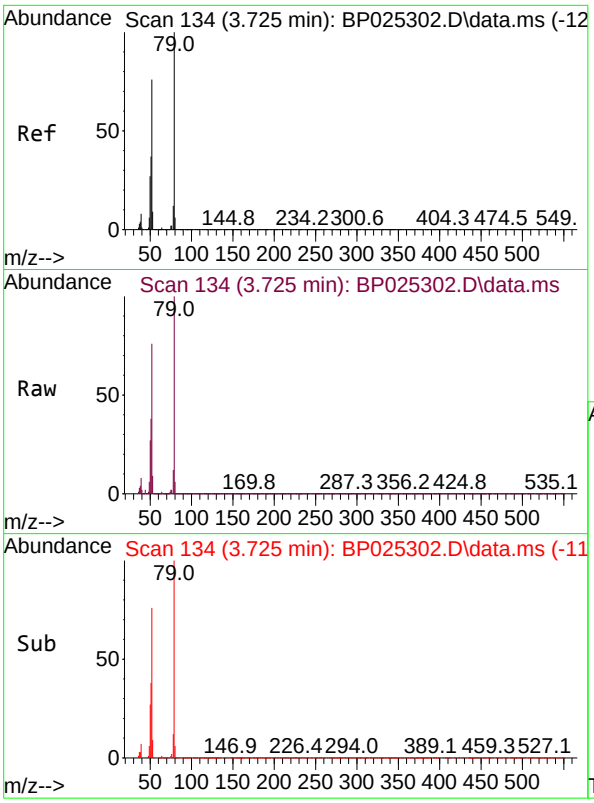


#2
1,4-Dioxane
Concen: 39.221 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 88 Resp: 194354

Ion	Ratio	Lower	Upper
88	100		
58	77.4	61.9	92.9
43	30.2	24.2	36.2



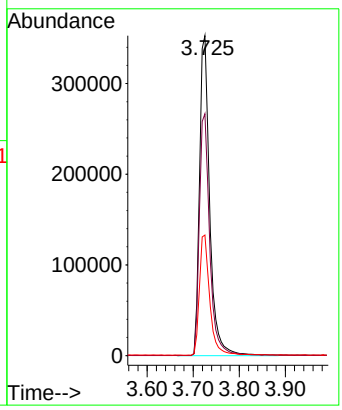


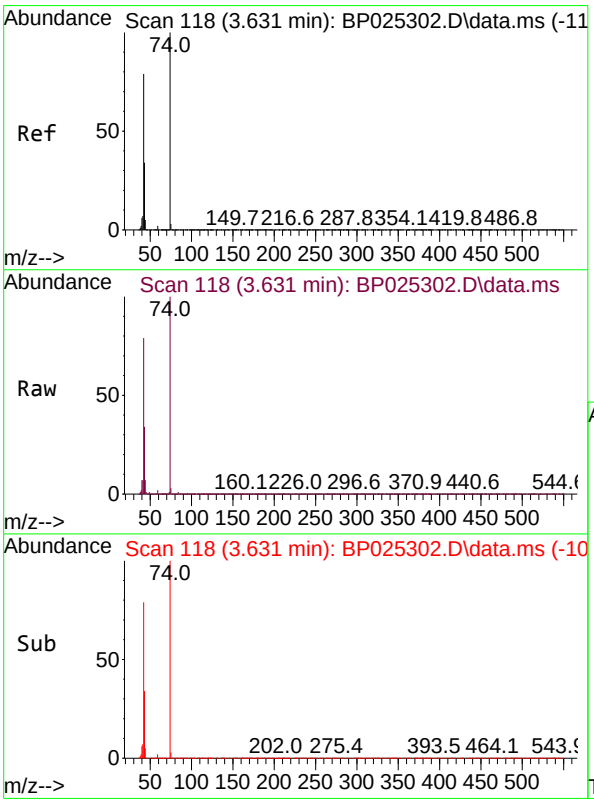
#3
Pyridine
Concen: 39.325 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 541403

Ion	Ratio	Lower	Upper
79	100		
52	75.6	60.5	90.7
51	37.7	30.2	45.2

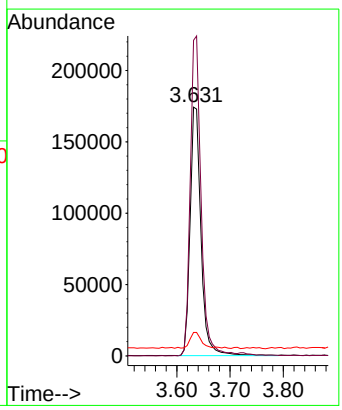


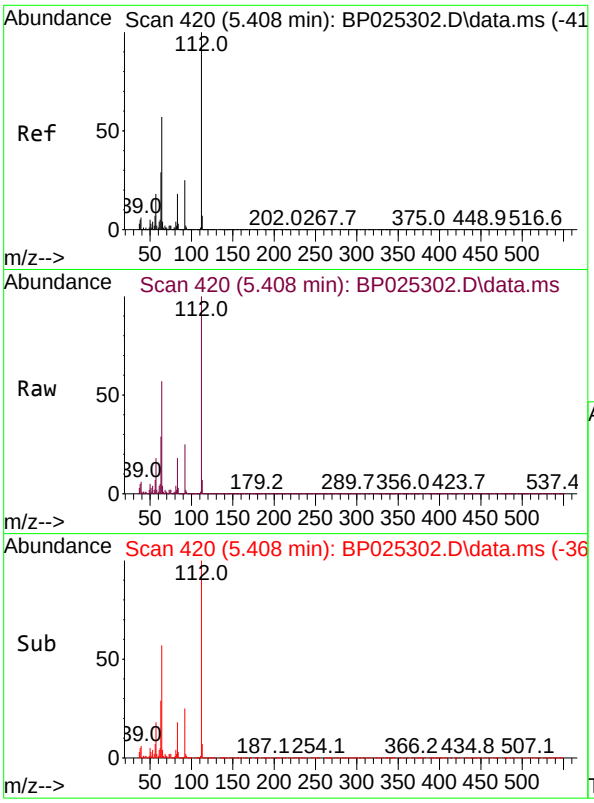


#4
n-Nitrosodimethylamine
Concen: 38.631 ng
RT: 3.631 min Scan# 118
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 42 Resp: 246918

Ion	Ratio	Lower	Upper
42	100		
74	126.8	101.4	152.2
44	9.5	7.6	11.4



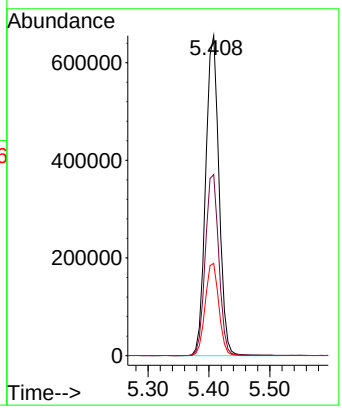


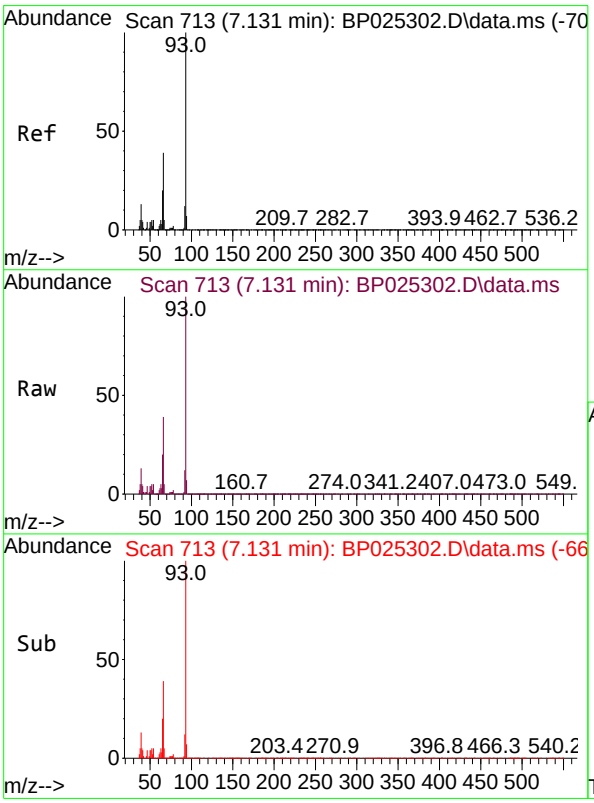
#5
2-Fluorophenol
Concen: 78.838 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 996403

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	28.8	23.0	34.6

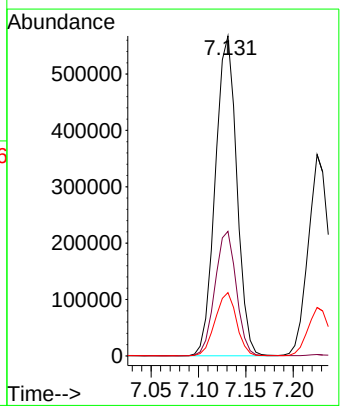


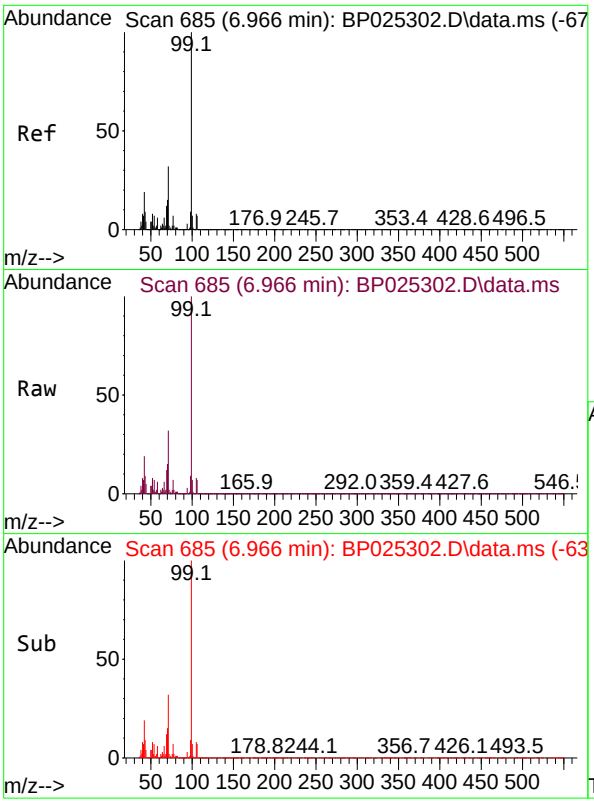


#6
Aniline
Concen: 39.490 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 895891

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.1	46.7
65	19.8	15.8	23.8



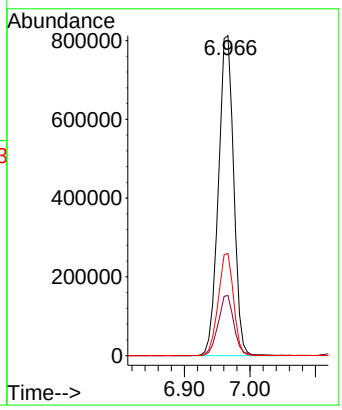


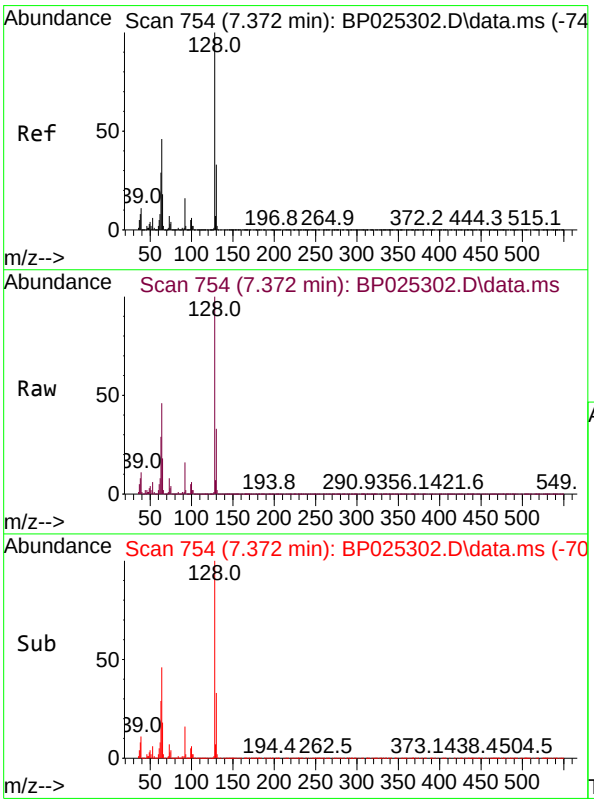
#7
Phenol-d6
Concen: 79.077 ng
RT: 6.966 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1318375

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.0	22.6
71	31.9	25.5	38.3

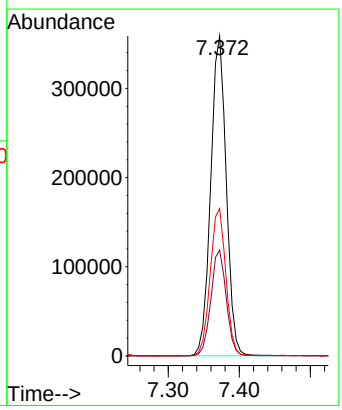


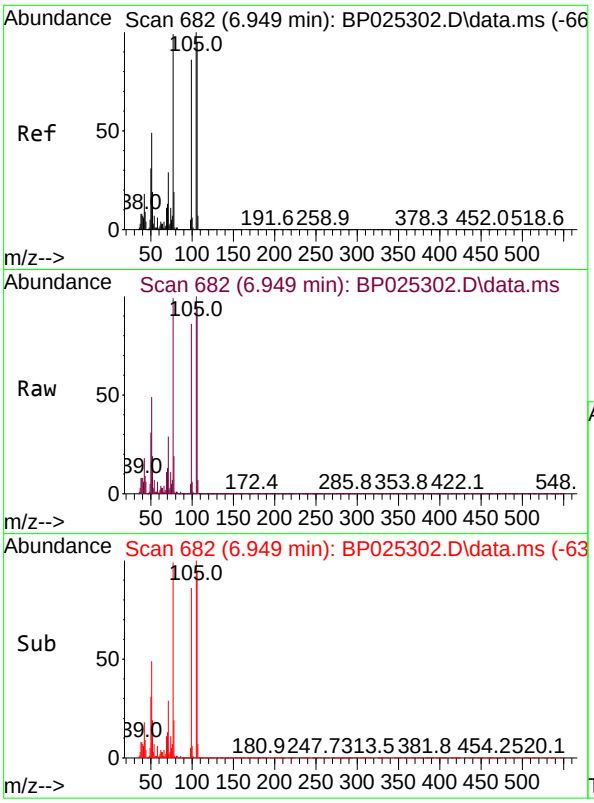


#8
2-Chlorophenol
Concen: 39.670 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:128 Resp: 545256

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	46.1	26.1	66.1



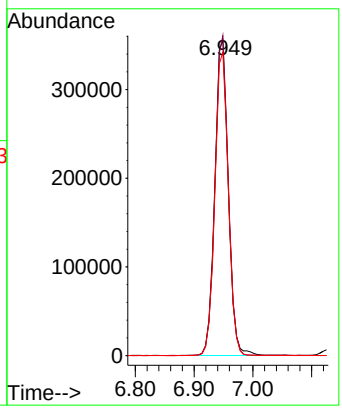


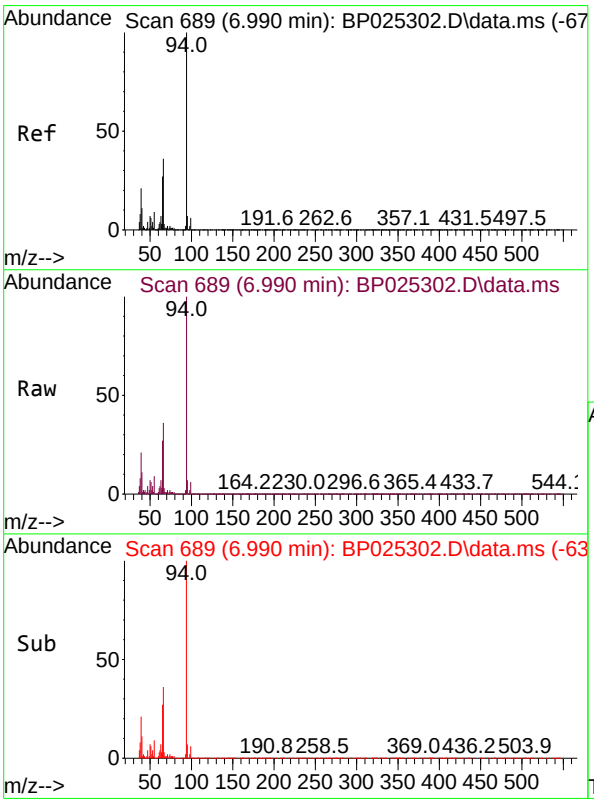
#9
Benzaldehyde
Concen: 48.256 ng
RT: 6.949 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 566415

Ion	Ratio	Lower	Upper
77	100		
105	101.4	81.4	121.4
106	96.2	76.2	116.2

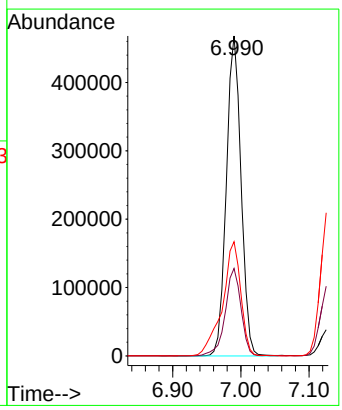


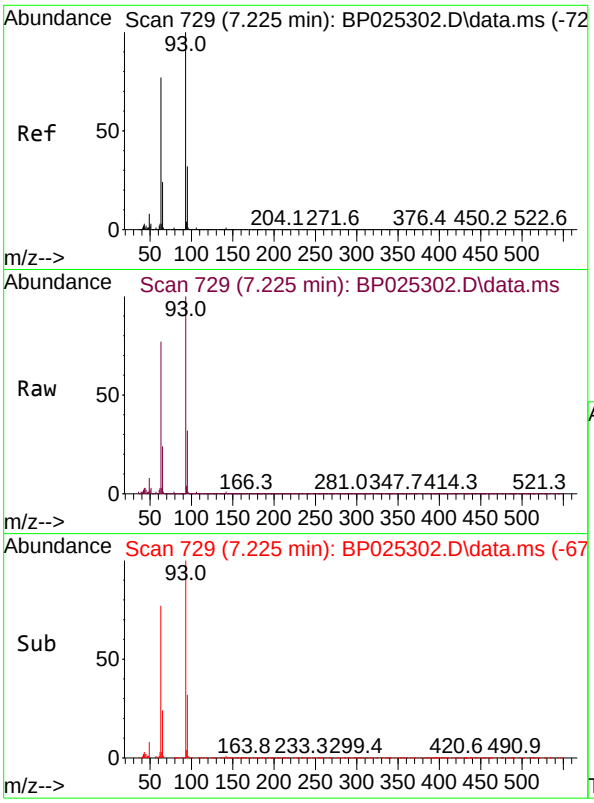


#10
Phenol
Concen: 39.538 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 94 Resp: 699120

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	35.7	15.7	55.7



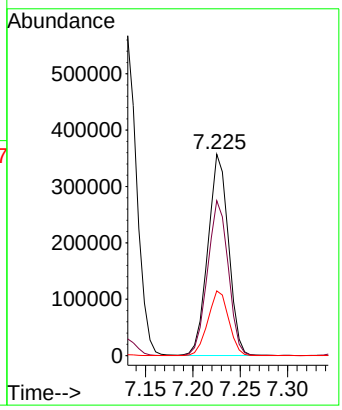


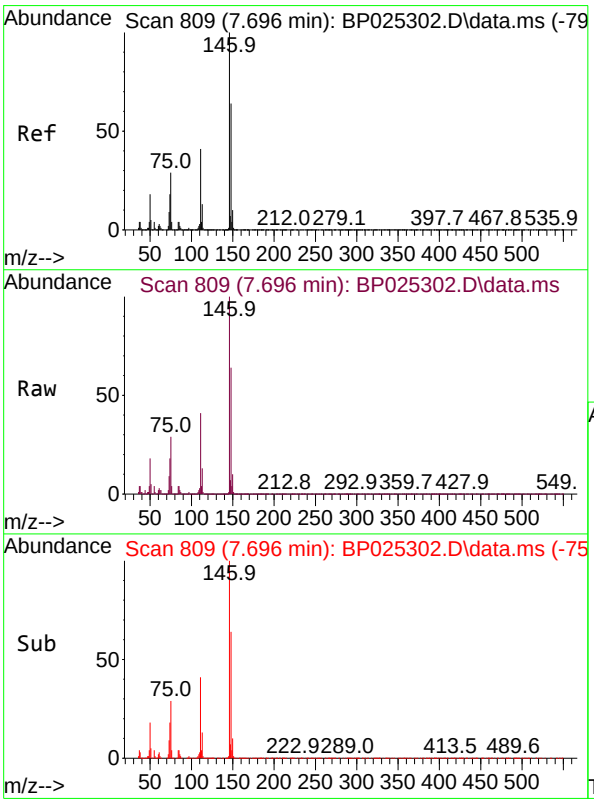
#11
bis(2-Chloroethyl)ether
Concen: 38.975 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 539982

Ion	Ratio	Lower	Upper
93	100		
63	77.0	57.0	97.0
95	32.1	12.1	52.1

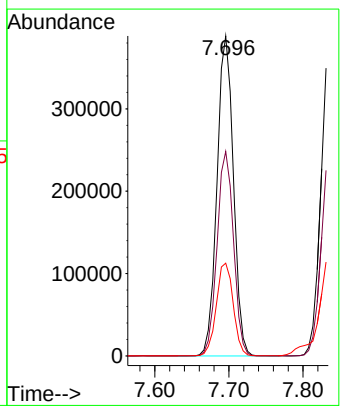


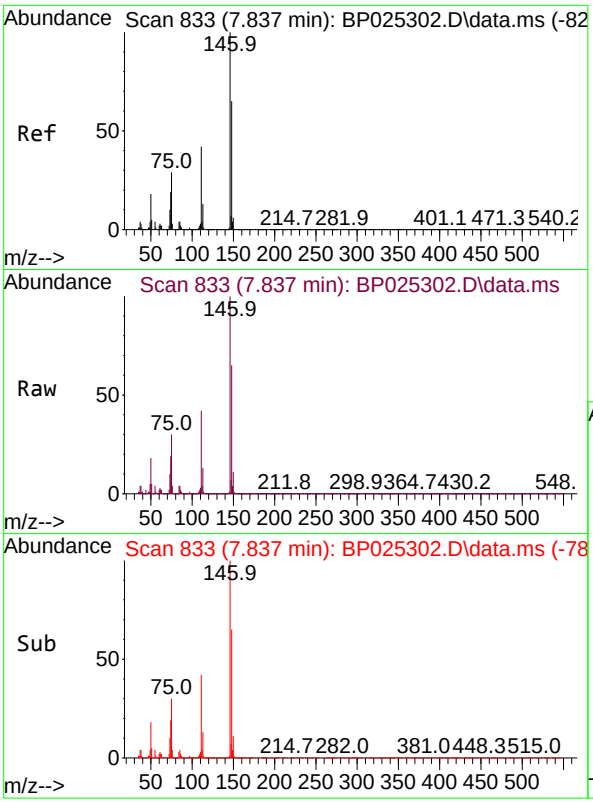


#12
1,3-Dichlorobenzene
Concen: 38.533 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 595110

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	29.0	23.2	34.8



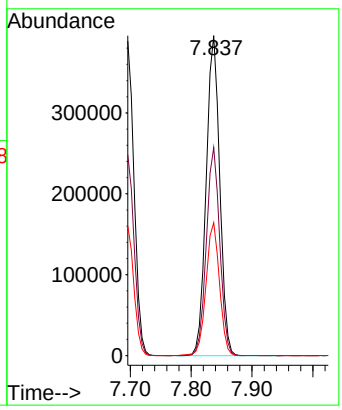


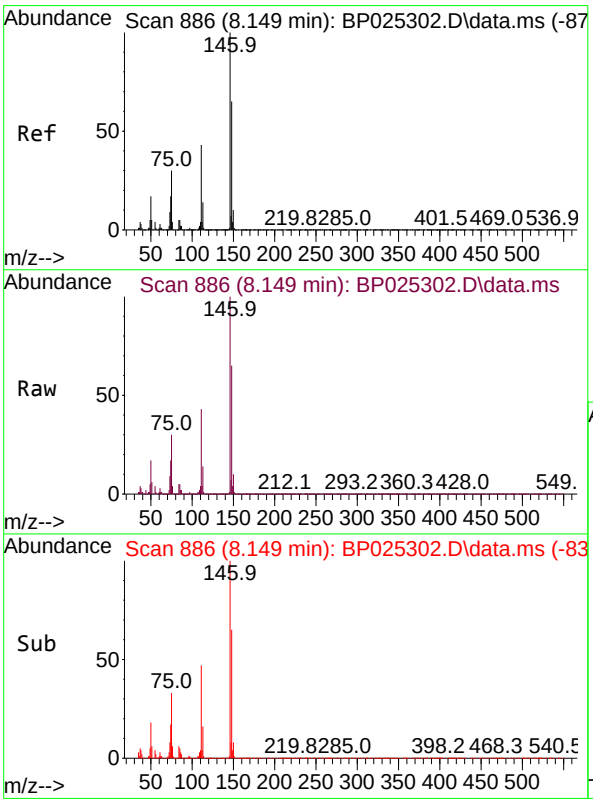
#13
1,4-Dichlorobenzene
Concen: 38.983 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 609114

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	41.5	33.2	49.8

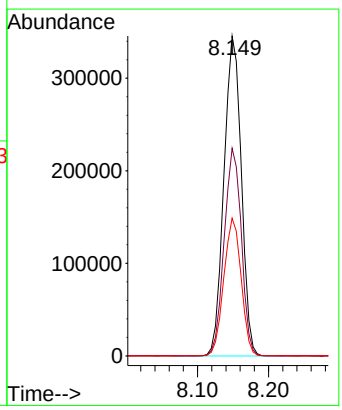


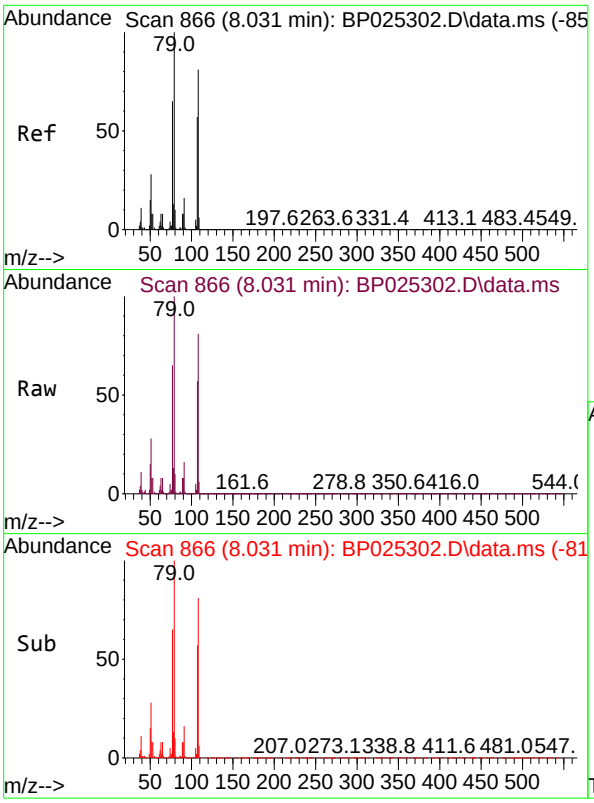


#14
1,2-Dichlorobenzene
Concen: 38.826 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:146 Resp: 587683

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	43.0	34.4	51.6



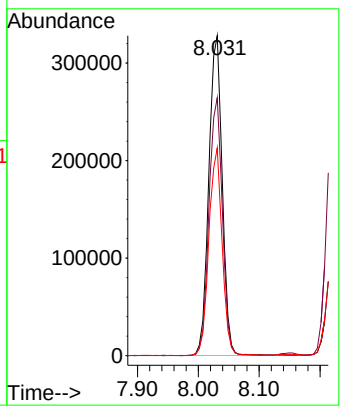


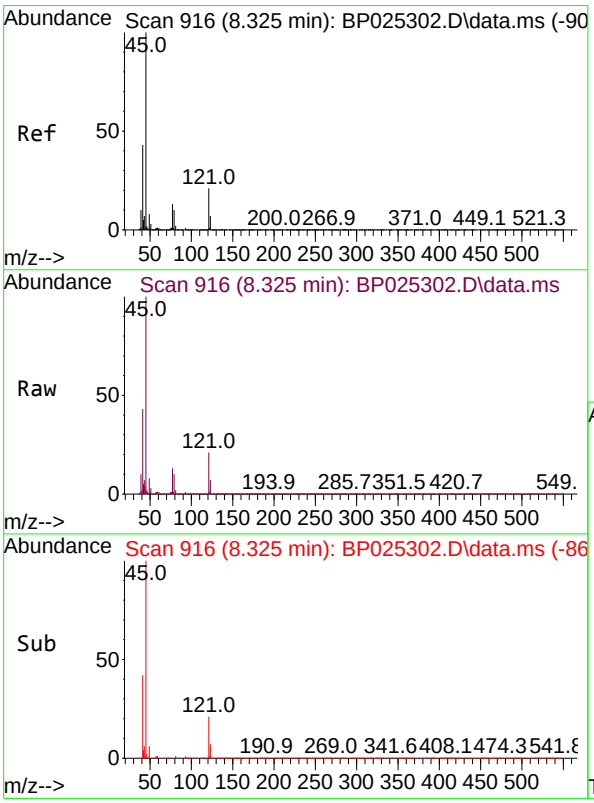
#15
Benzyl Alcohol
Concen: 39.218 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 502383

Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.5	96.7
77	64.9	51.9	77.9

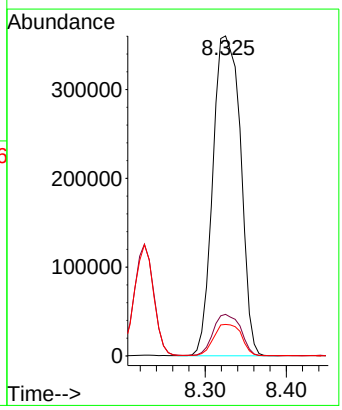


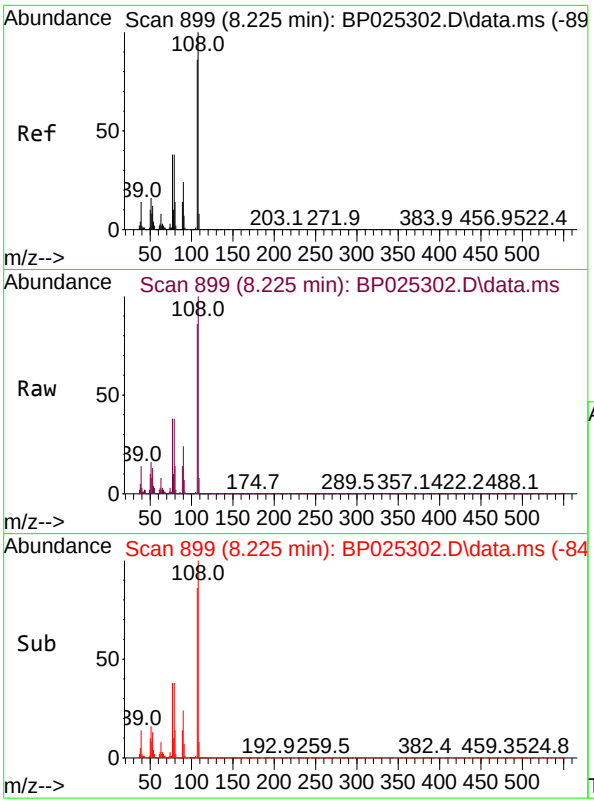


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.879 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 45 Resp: 850917

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	9.8	0.0	29.8



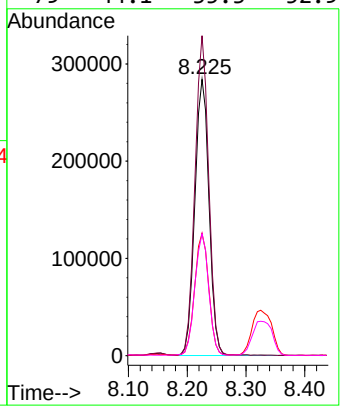


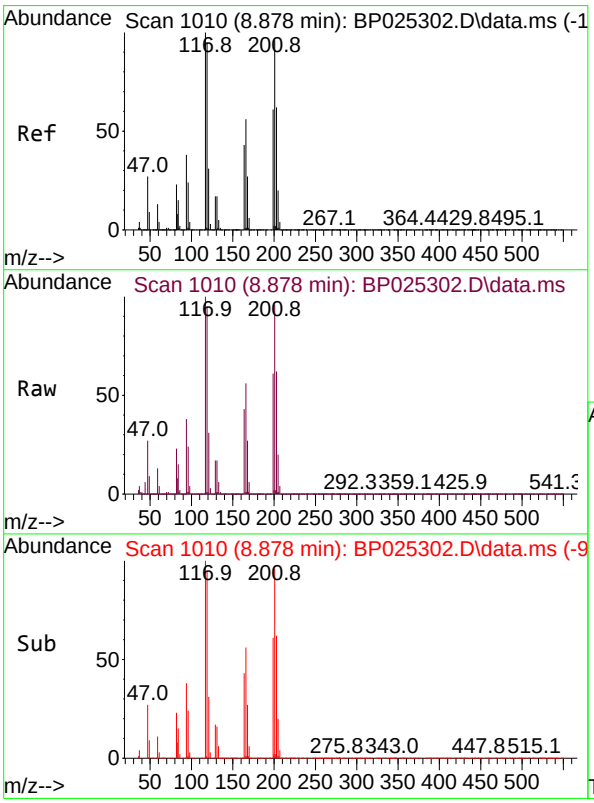
#17
2-Methylphenol
Concen: 40.146 ng
RT: 8.225 min Scan# 89
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 474988

Ion	Ratio	Lower	Upper
107	100		
108	115.8	92.6	139.0
77	44.3	35.4	53.2
79	44.1	35.3	52.9

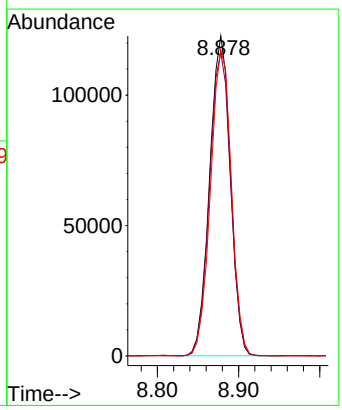


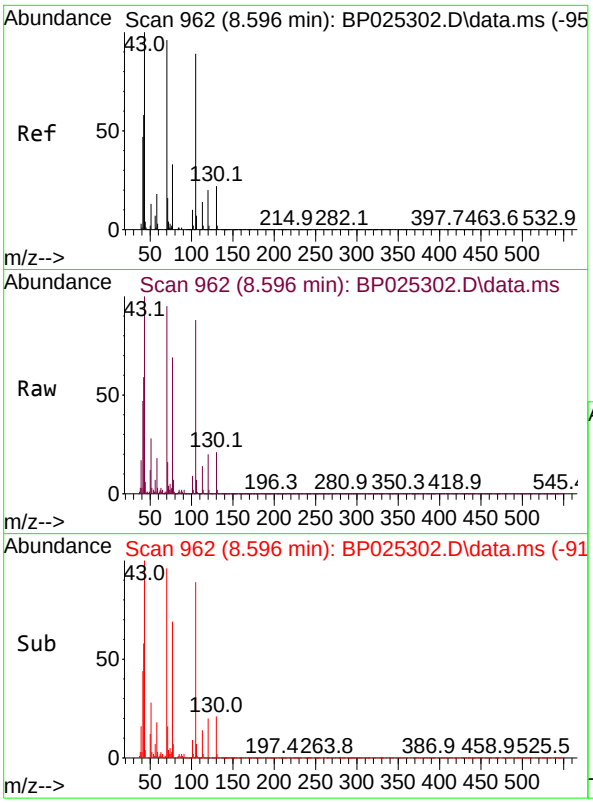


#18
Hexachloroethane
Concen: 39.037 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:117 Resp: 218135

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	95.7	76.6	114.8



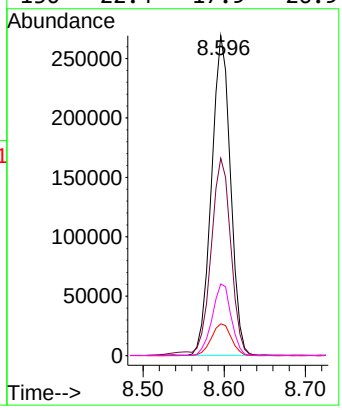


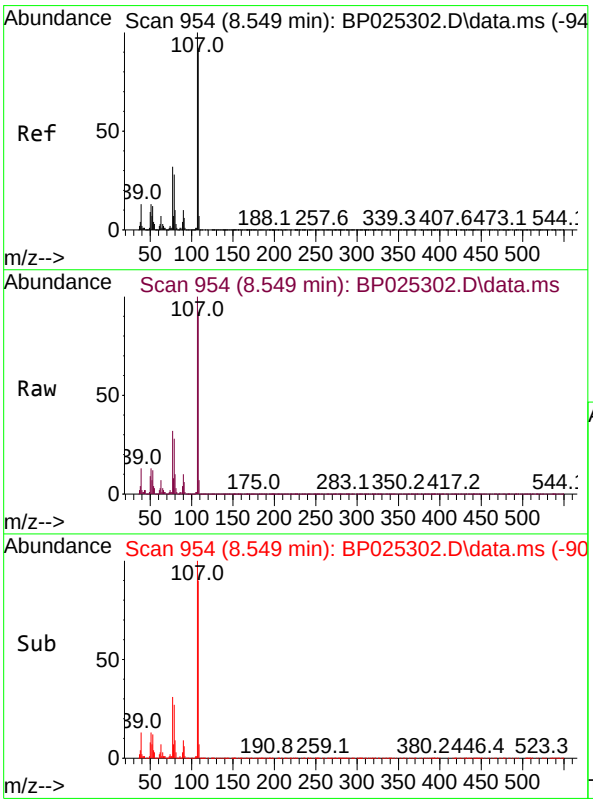
#19
n-Nitroso-di-n-propylamine
Concen: 40.160 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 436056

Ion	Ratio	Lower	Upper
70	100		
42	61.7	49.4	74.0
101	9.9	7.9	11.9
130	22.4	17.9	26.9

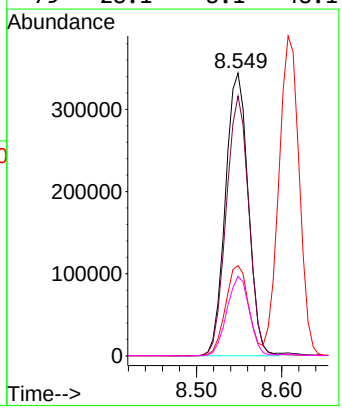


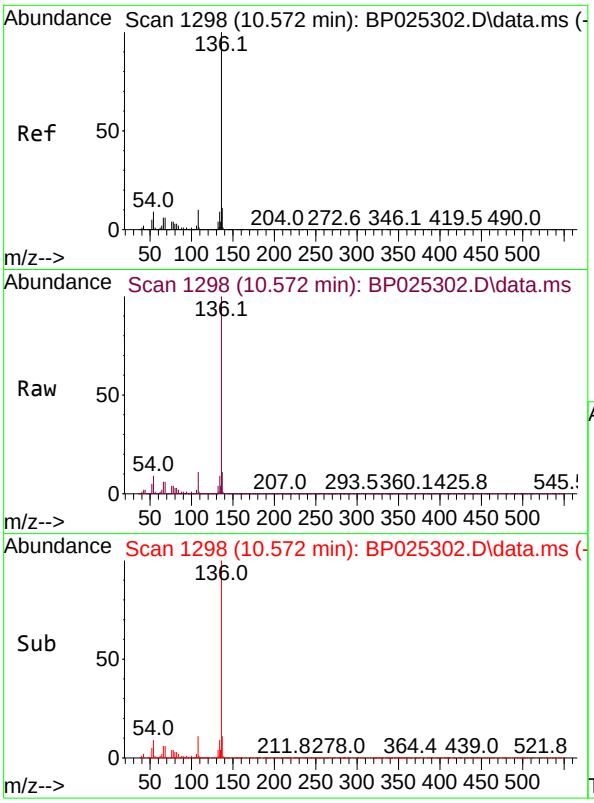


#20
3+4-Methylphenols
Concen: 39.342 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 640969

Ion	Ratio	Lower	Upper
107	100		
108	91.9	71.9	111.9
77	32.0	12.0	52.0
79	28.1	8.1	48.1



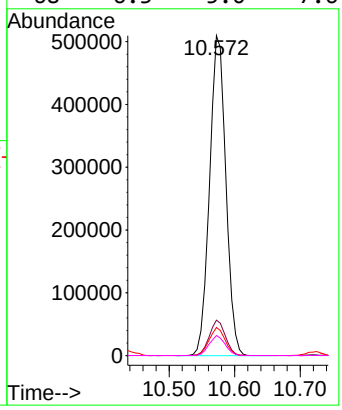


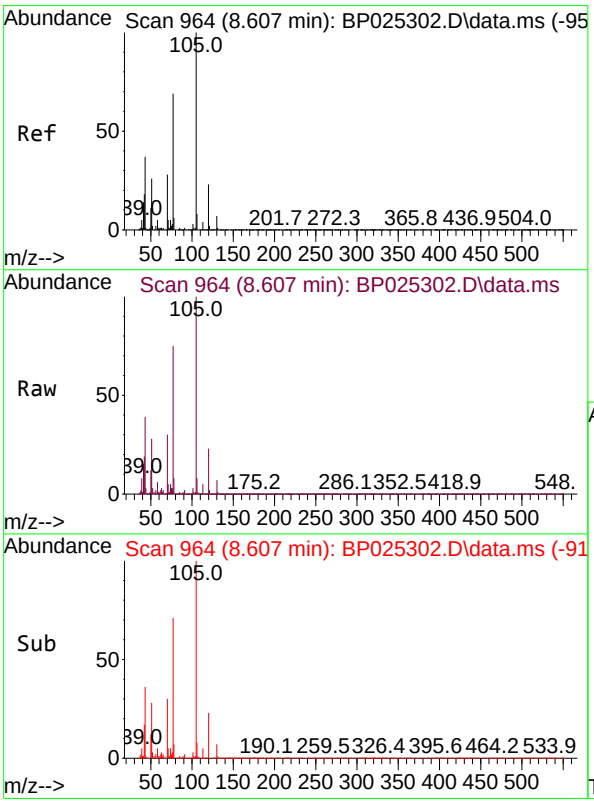
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 880642

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.0	10.6
68	6.3	5.0	7.6

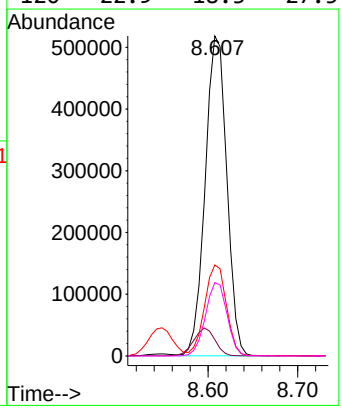


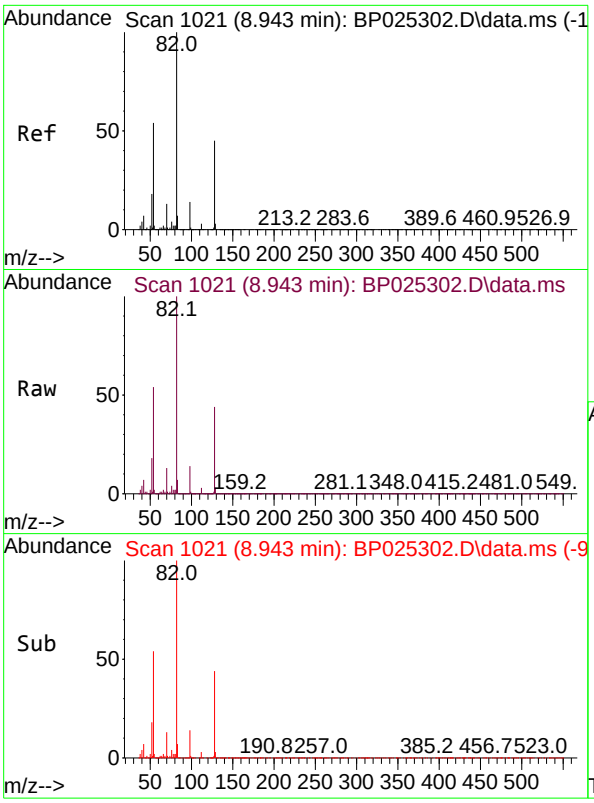


#22
Acetophenone
Concen: 39.255 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:105 Resp: 867835

Ion	Ratio	Lower	Upper
105	100		
71	5.1	4.1	6.1
51	28.4	22.7	34.1
120	22.9	18.3	27.5



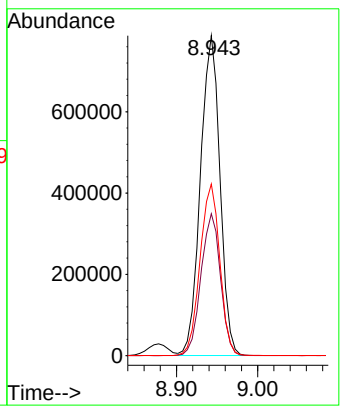


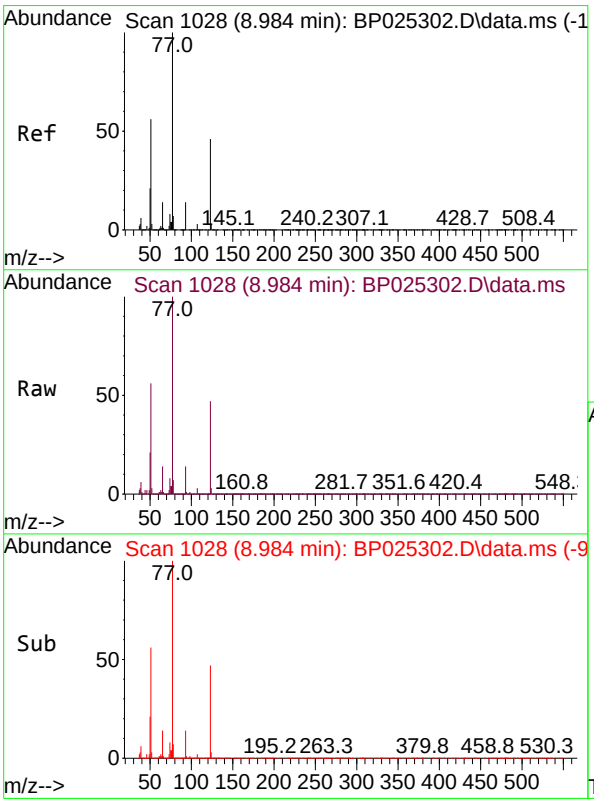
#23
Nitrobenzene-d5
Concen: 80.869 ng
RT: 8.943 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1316251

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.4	53.2
54	53.6	42.9	64.3

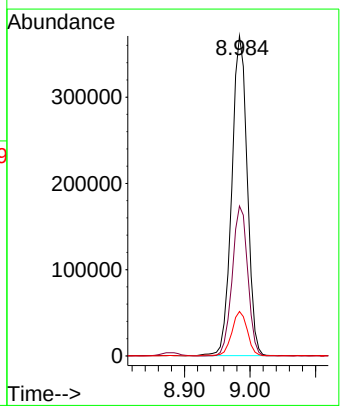


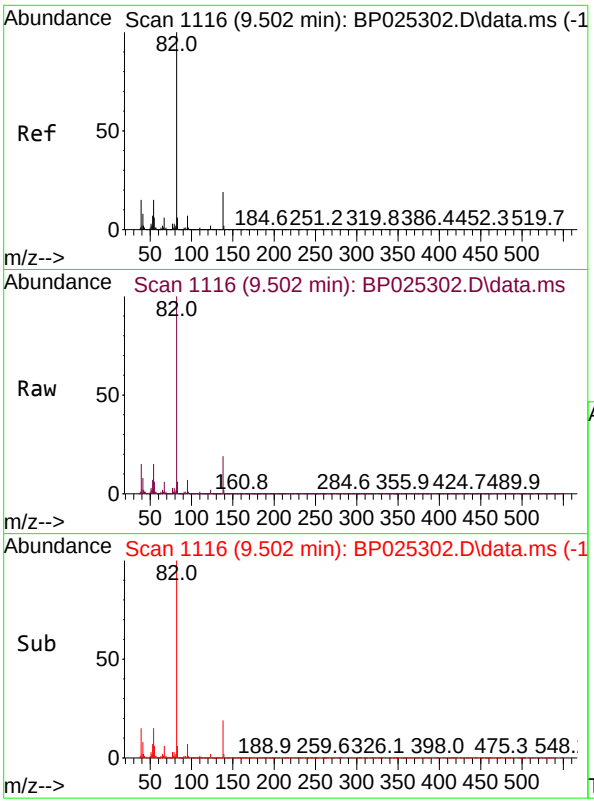


#24
Nitrobenzene
Concen: 40.280 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 77 Resp: 606097

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.9	11.1	16.7



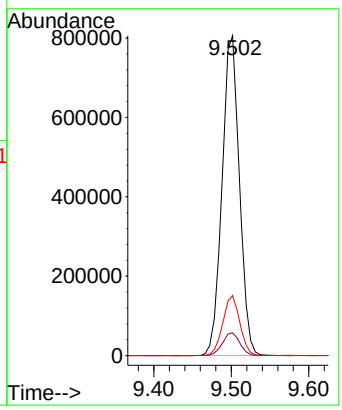


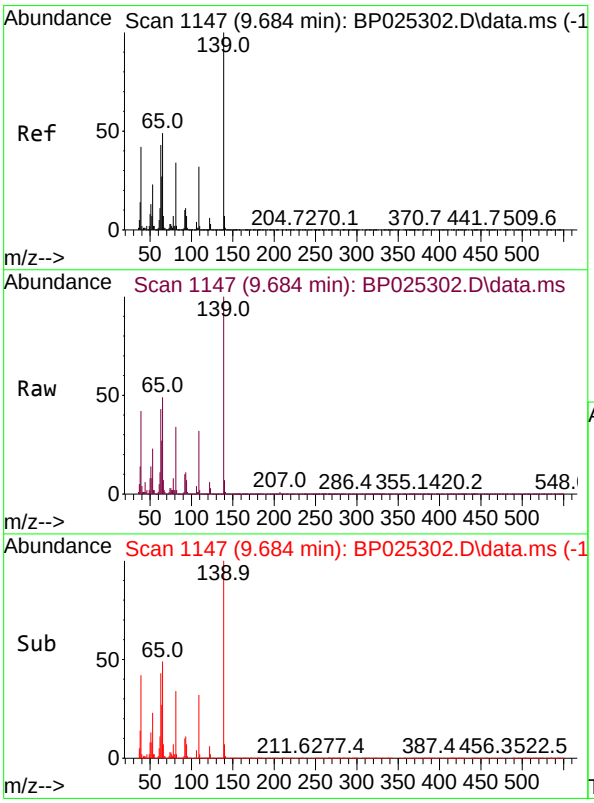
#25
Isophorone
Concen: 39.682 ng
RT: 9.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1255611

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.8	15.0	22.6

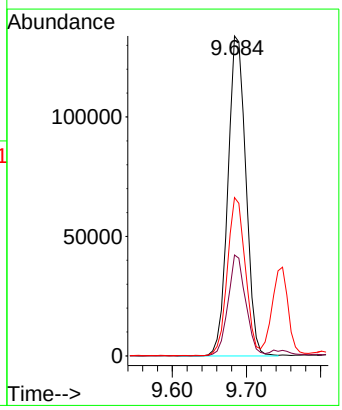


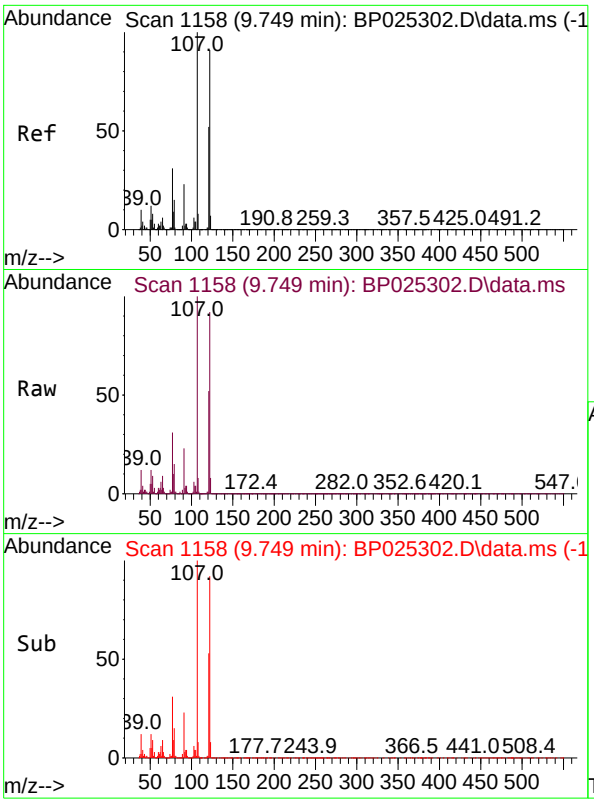


#26
2-Nitrophenol
Concen: 35.376 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 225091

Ion	Ratio	Lower	Upper
139	100		
109	31.5	25.2	37.8
65	49.5	39.6	59.4



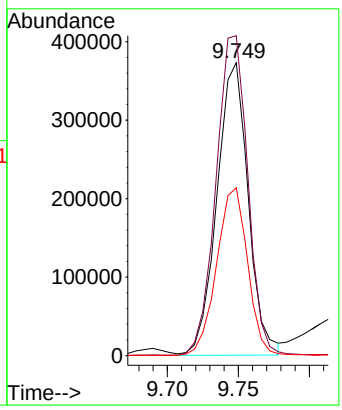


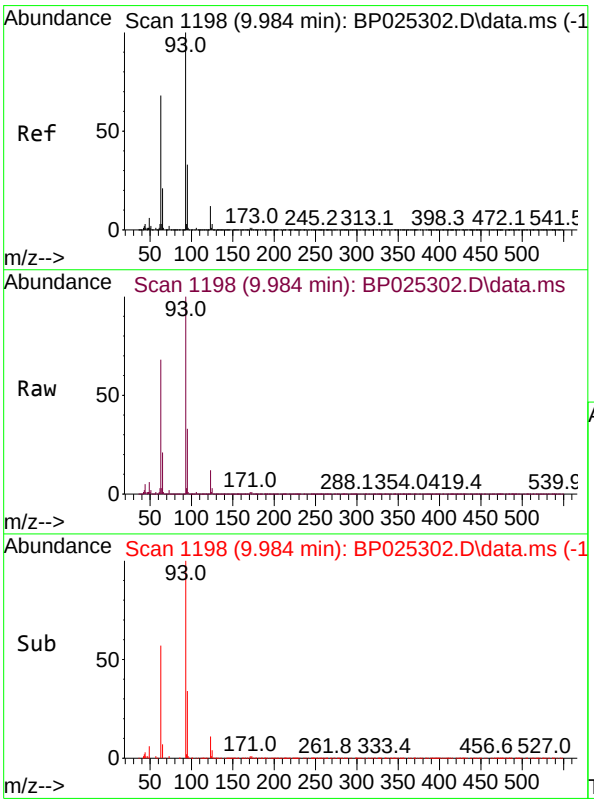
#27
2,4-Dimethylphenol
Concen: 39.137 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 570930

Ion	Ratio	Lower	Upper
122	100		
107	109.2	87.4	131.0
121	57.3	45.8	68.8

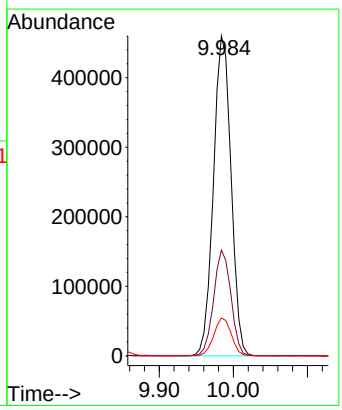


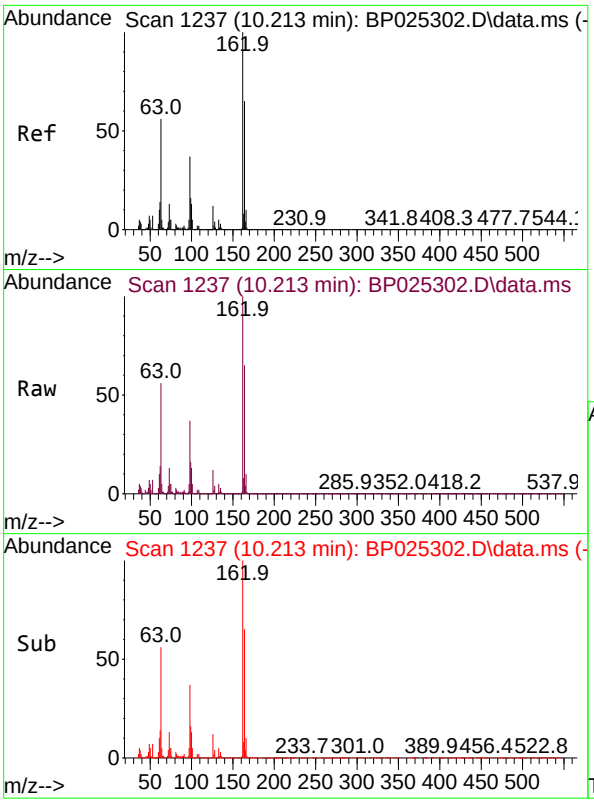


#28
bis(2-Chloroethoxy)methane
Concen: 39.476 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 93 Resp: 759841

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	11.8	9.4	14.2



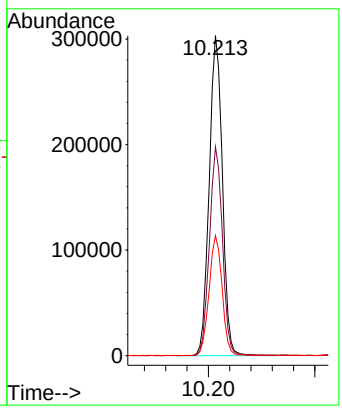


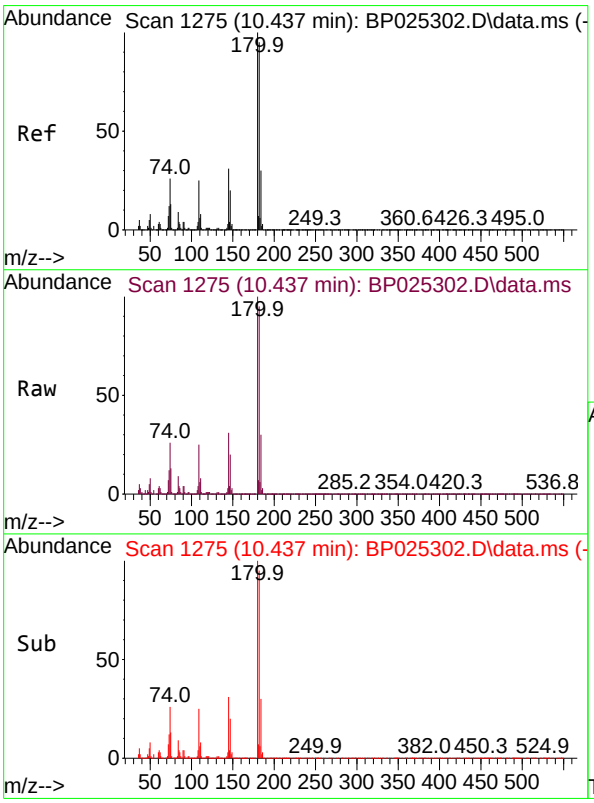
#29
2,4-Dichlorophenol
Concen: 40.884 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 522153

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.2	85.2
98	37.5	17.5	57.5

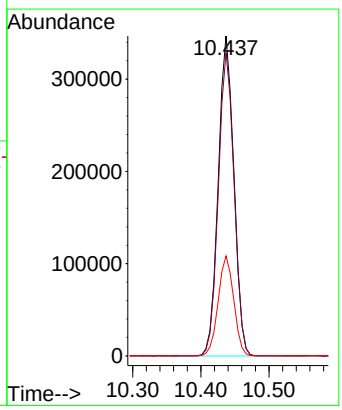


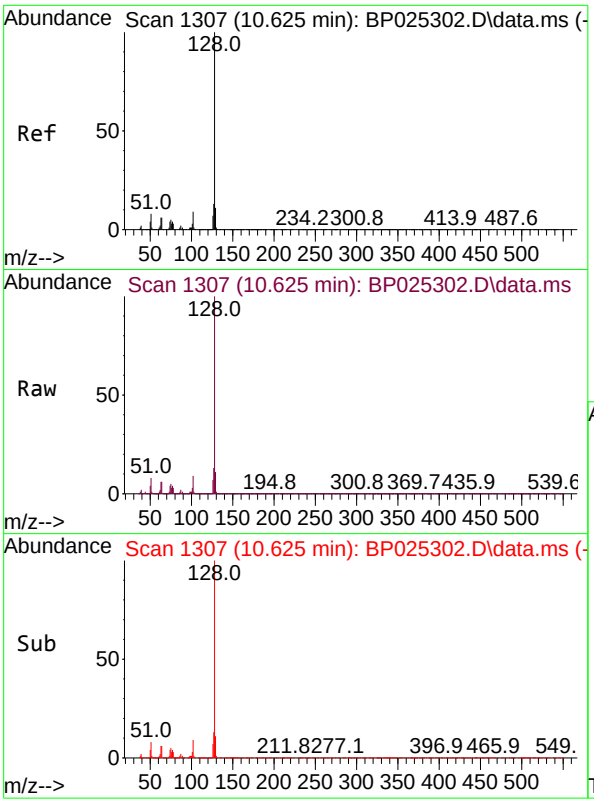


#30
1,2,4-Trichlorobenzene
Concen: 38.956 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:180 Resp: 548893

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	31.2	25.0	37.4



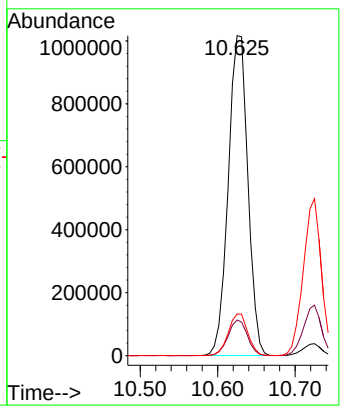


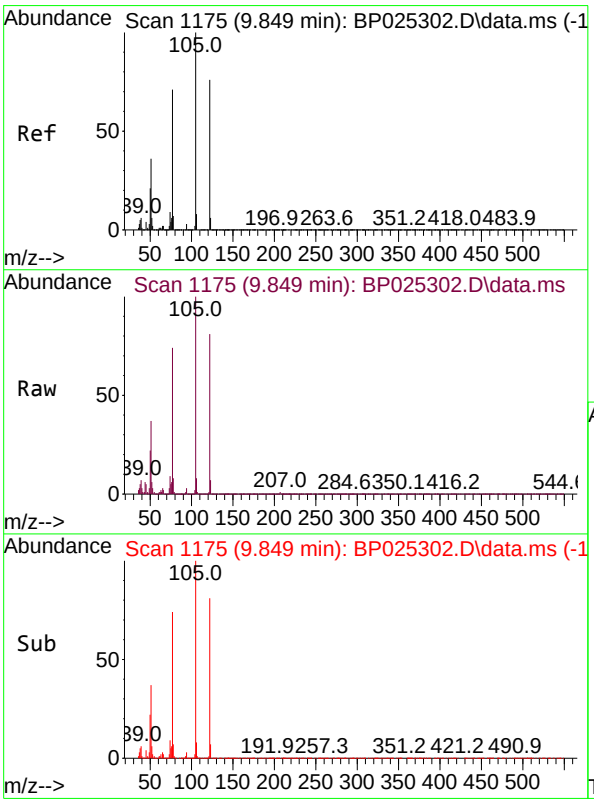
#31
Naphthalene
Concen: 39.178 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1791087

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.4	15.6

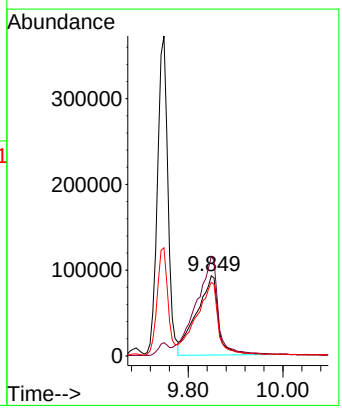


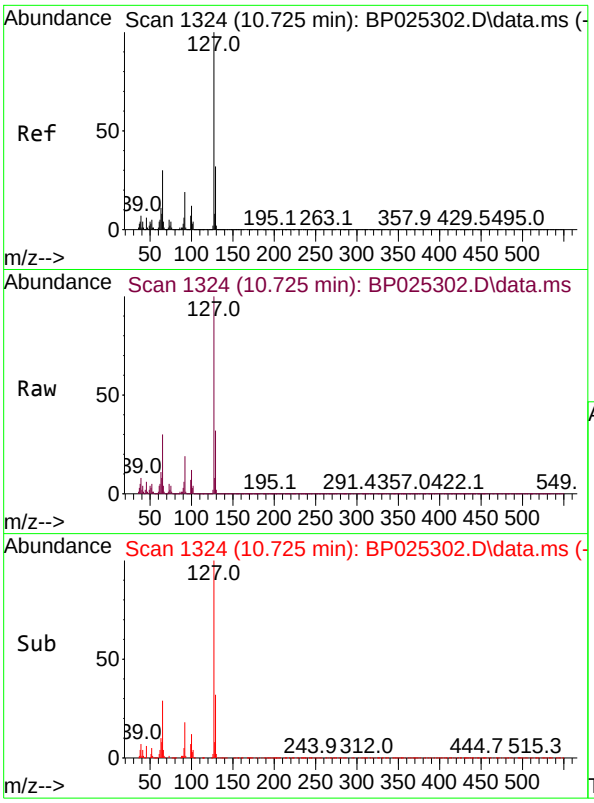


#32
Benzoic acid
Concen: 38.952 ng
RT: 9.849 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:122 Resp: 297213

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.0	144.0
77	91.8	71.8	111.8



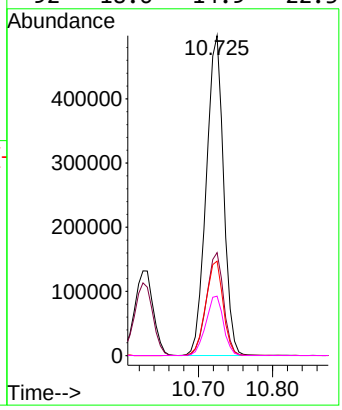


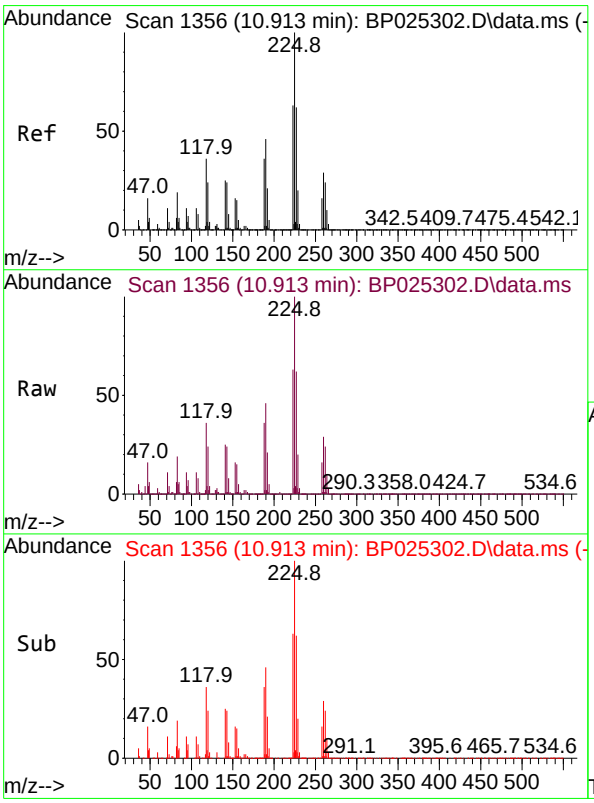
#33
4-Chloroaniline
Concen: 39.774 ng
RT: 10.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 808713

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	29.5	23.6	35.4
92	18.6	14.9	22.3

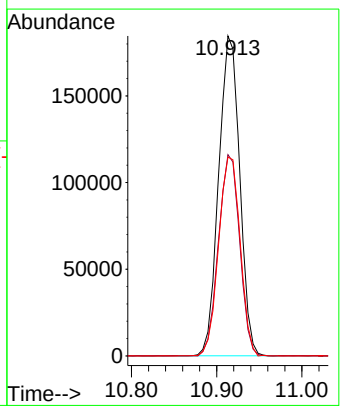


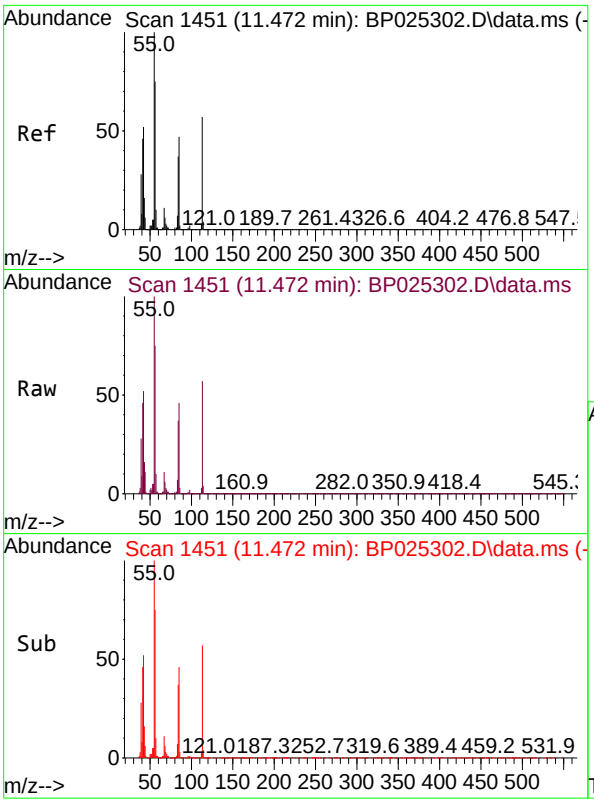


#34
Hexachlorobutadiene
Concen: 39.122 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:225 Resp: 316426

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.1	49.7	74.5



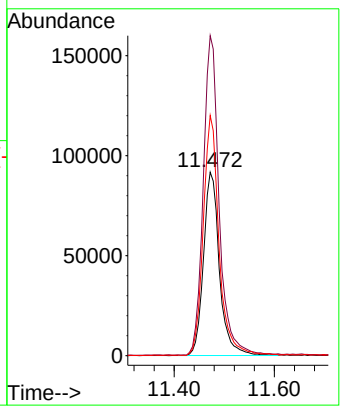


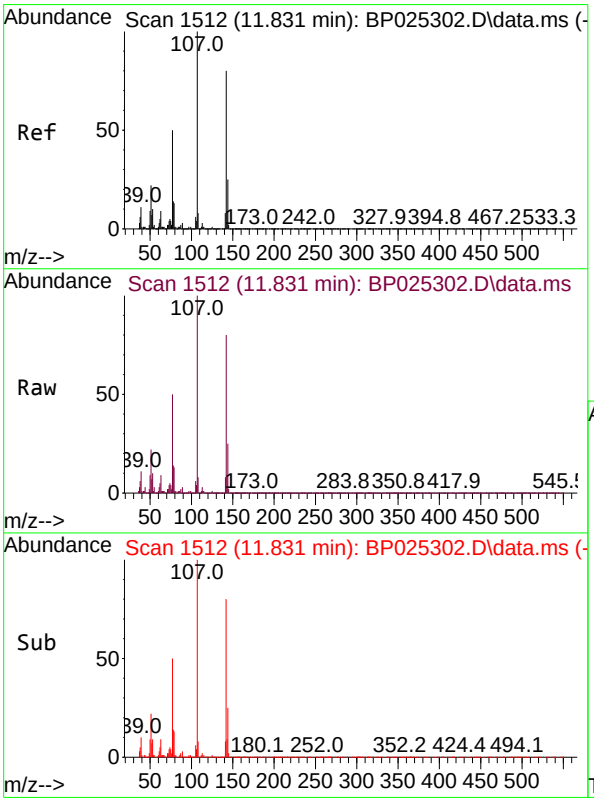
#35
Caprolactam
Concen: 40.802 ng
RT: 11.472 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 202605

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	130.9	110.9	150.9

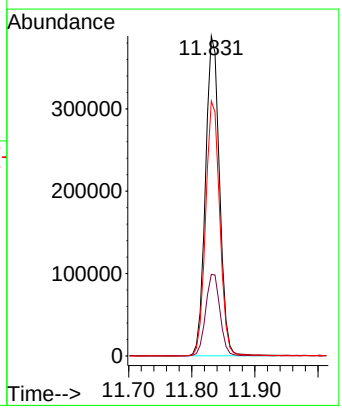


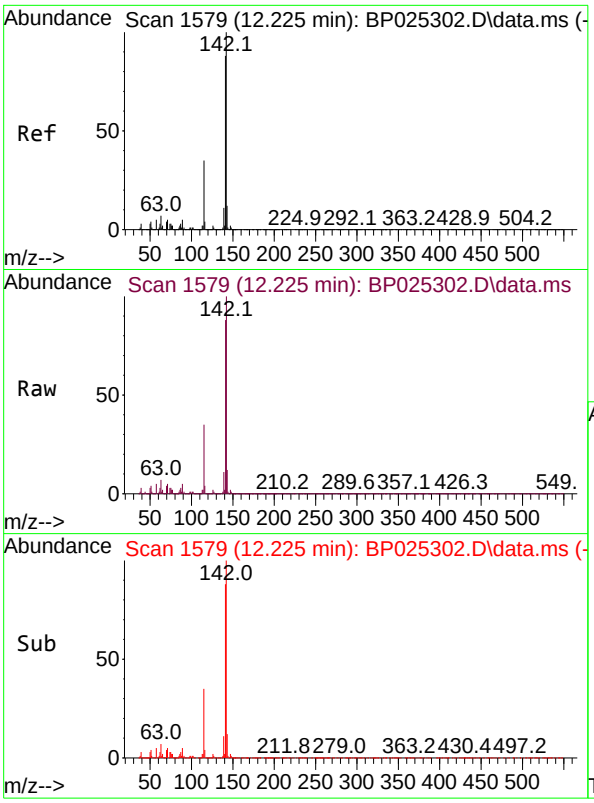


#36
4-Chloro-3-methylphenol
Concen: 40.617 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:107 Resp: 600241

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	79.6	63.7	95.5



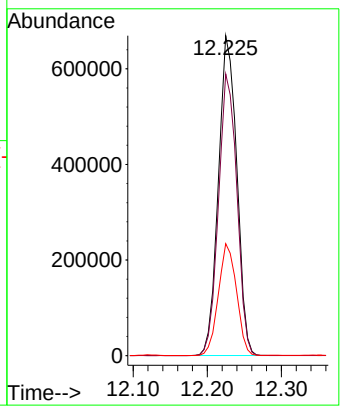


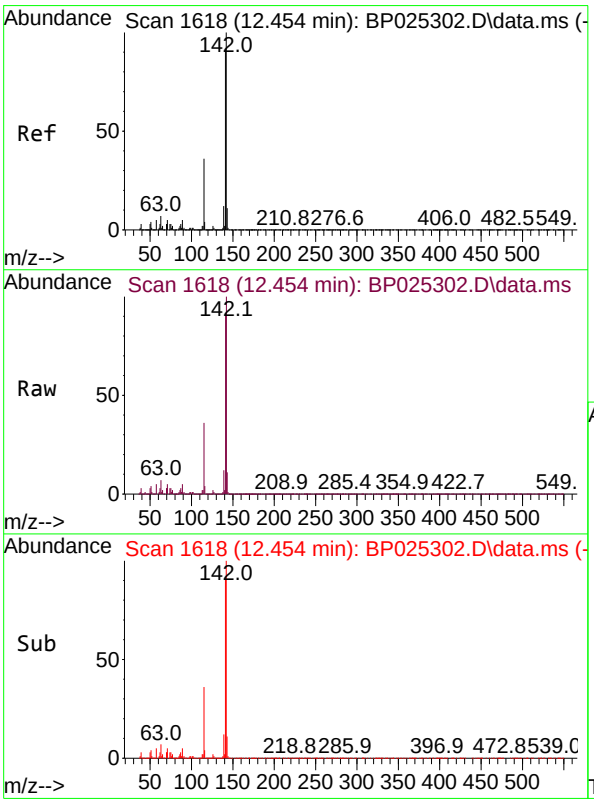
#37
2-Methylnaphthalene
Concen: 39.028 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1154835

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	35.0	28.0	42.0

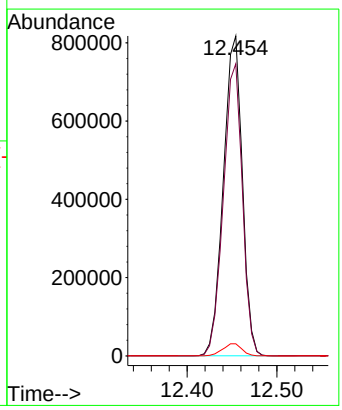


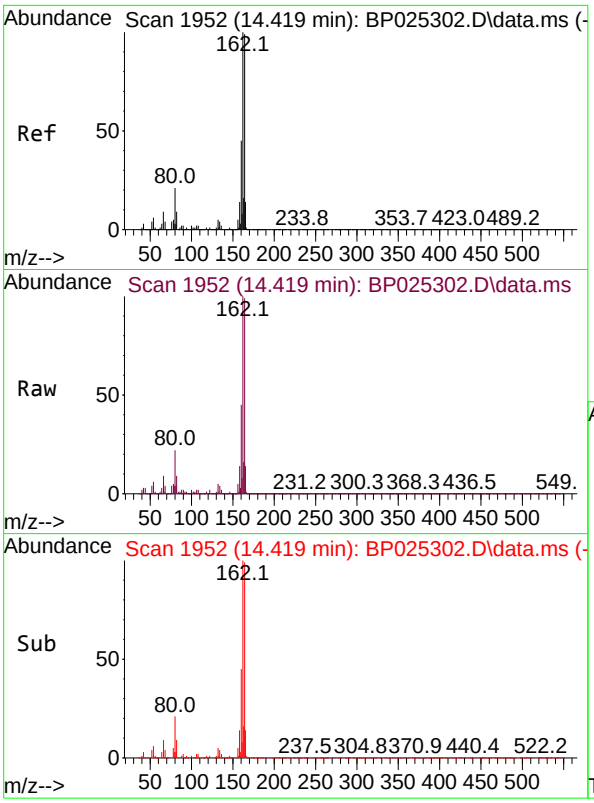


#38
1-Methylnaphthalene
Concen: 39.032 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:142 Resp: 1205124

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
116	3.8	3.0	4.6



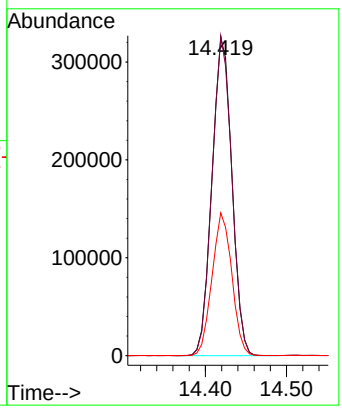


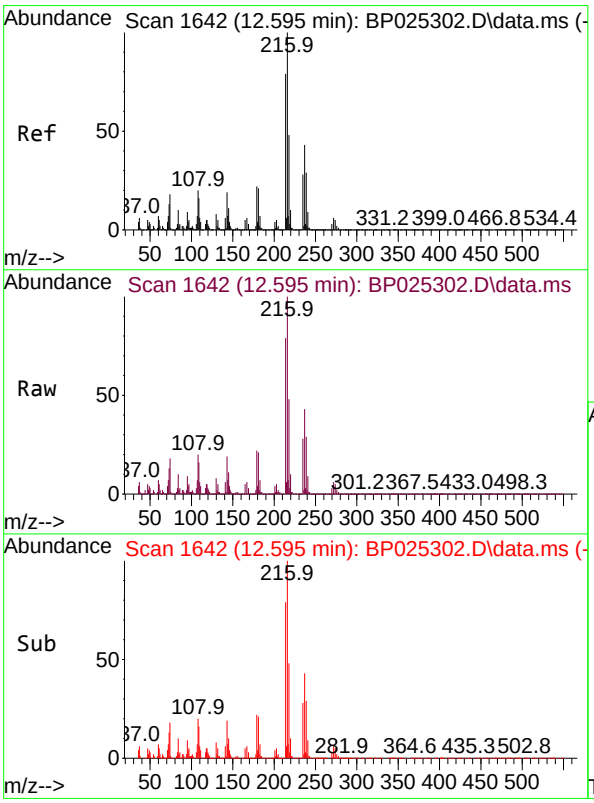
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 554286

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.9	35.9	53.9

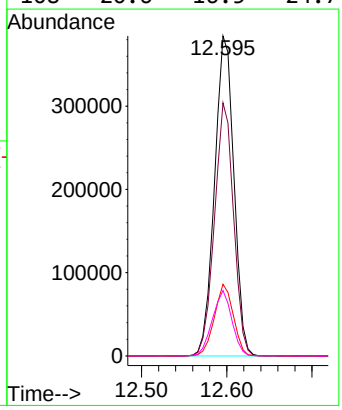


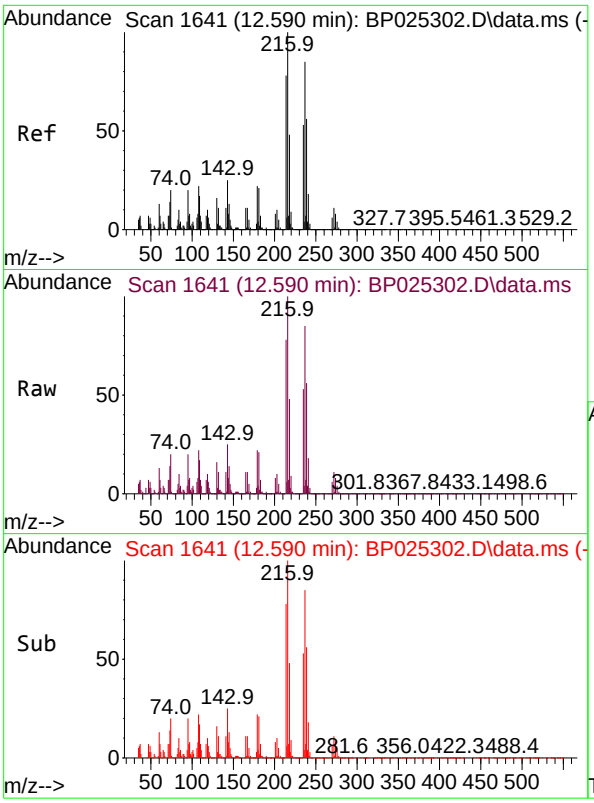


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.051 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:216 Resp: 606083

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.4	93.6
179	21.9	17.5	26.3
108	20.6	16.5	24.7



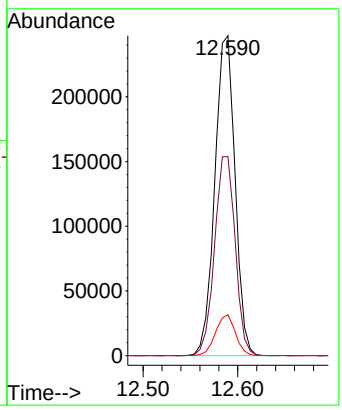


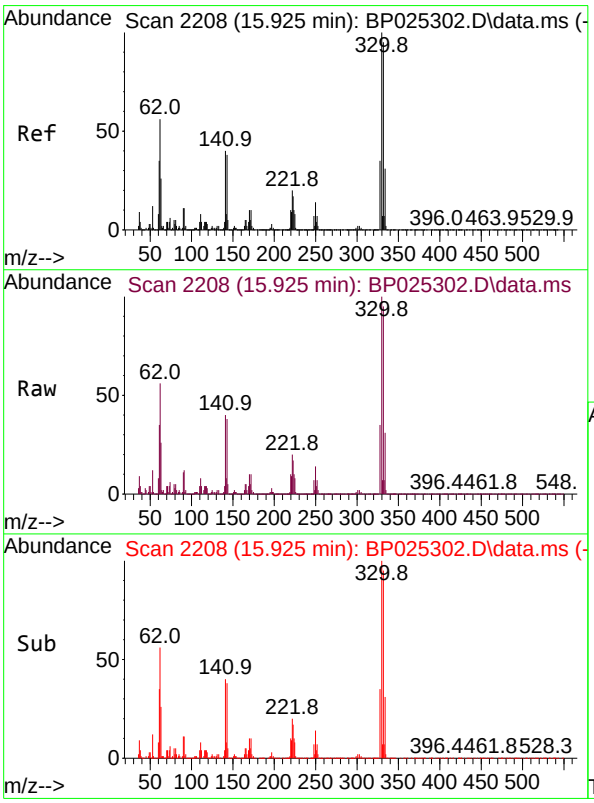
#41
Hexachlorocyclopentadiene
Concen: 39.278 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 366850

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.2	82.2
272	12.8	0.0	32.8

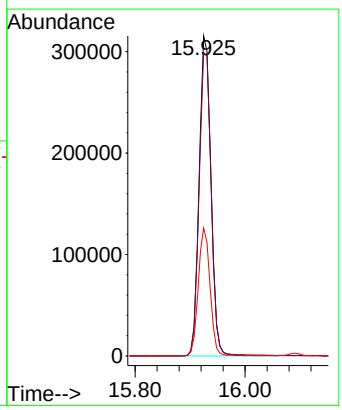


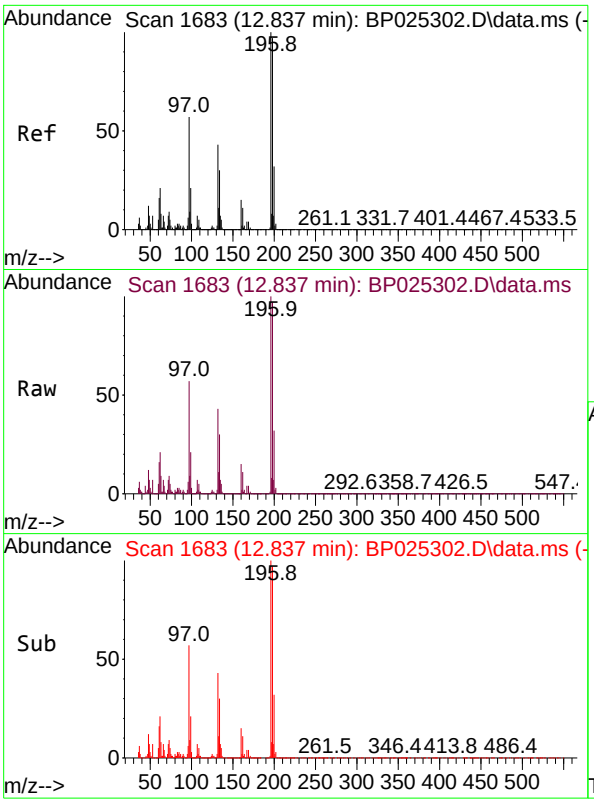


#42
2,4,6-Tribromophenol
Concen: 82.296 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:330 Resp: 470979

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	39.6	31.7	47.5



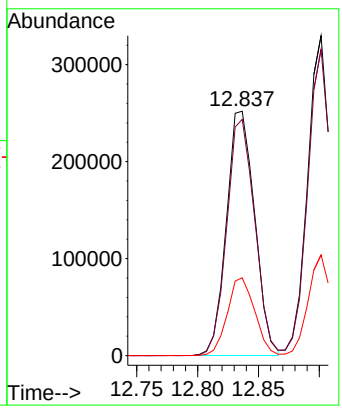


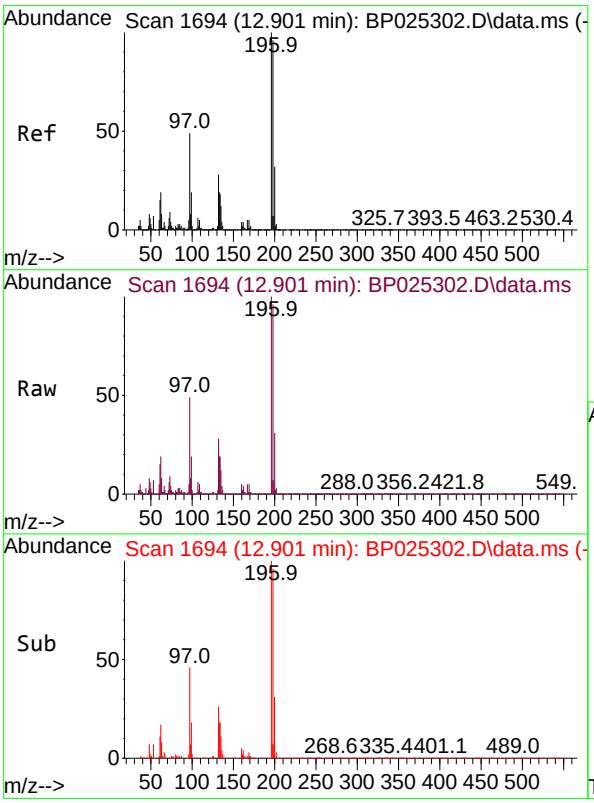
#43
2,4,6-Trichlorophenol
Concen: 41.576 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 406436

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
200	31.8	25.4	38.2

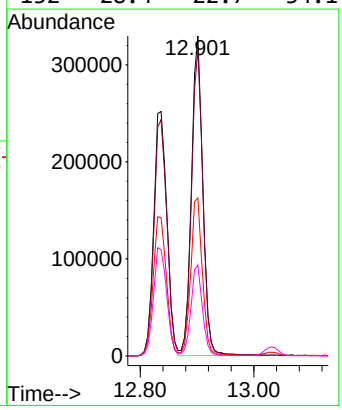


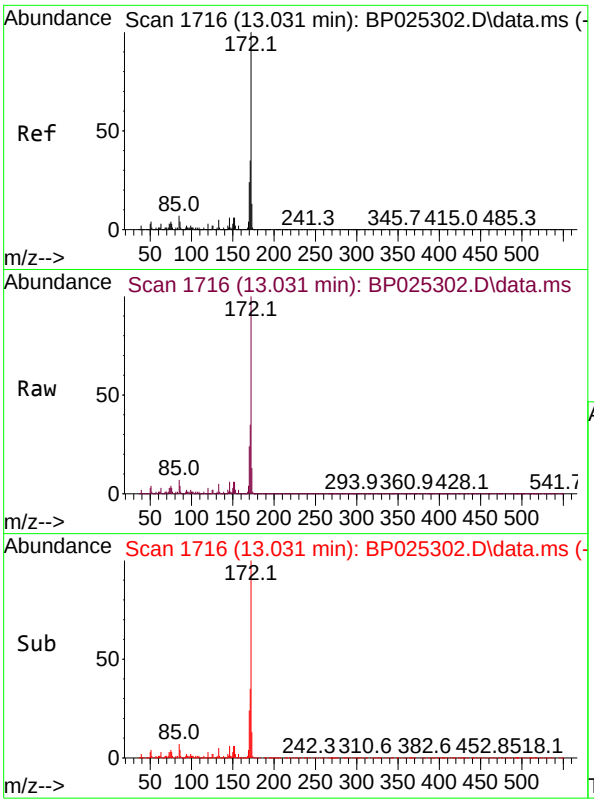


#44
2,4,5-Trichlorophenol
Concen: 41.667 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:196 Resp: 456928

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	49.4	39.5	59.3
132	28.4	22.7	34.1



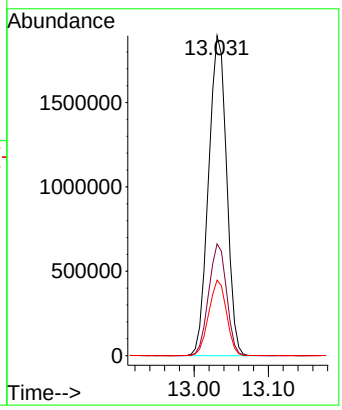


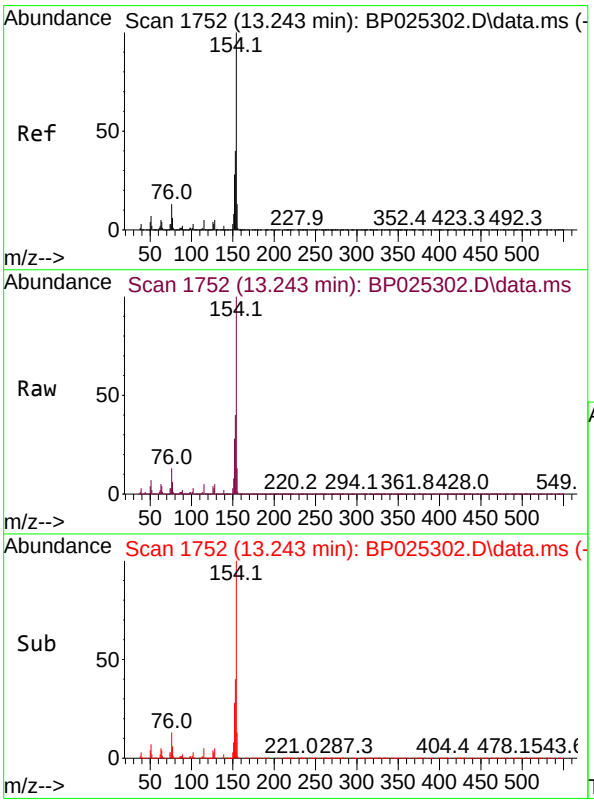
#45
2-Fluorobiphenyl
Concen: 80.179 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3200514

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.6	18.9	28.3

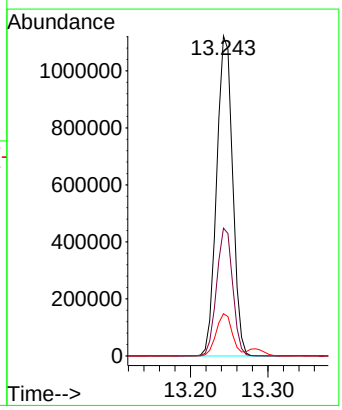


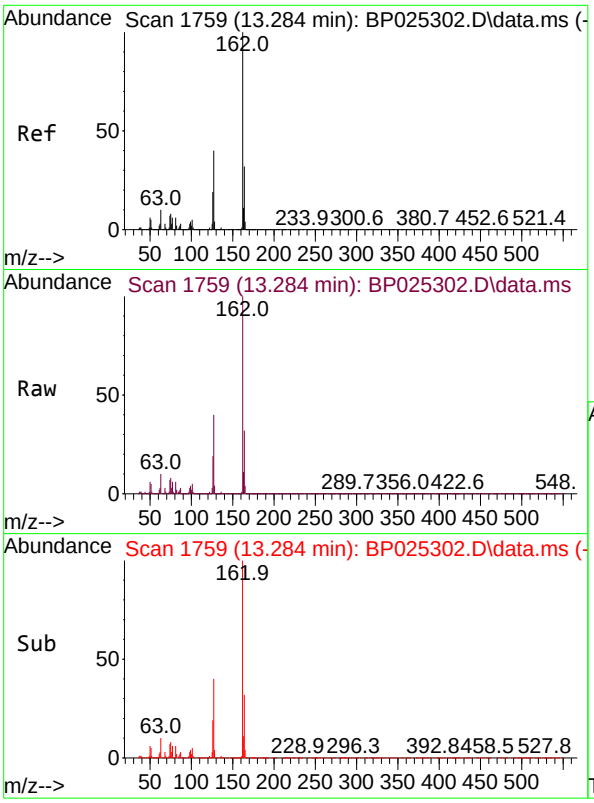


#46
1,1'-Biphenyl
Concen: 39.314 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1605905

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.2	0.0	33.2



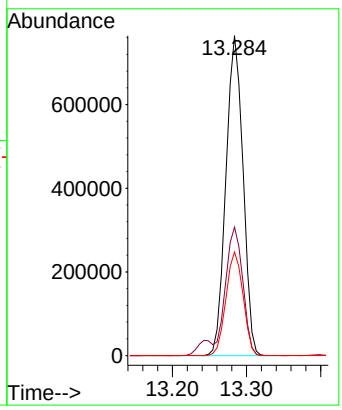


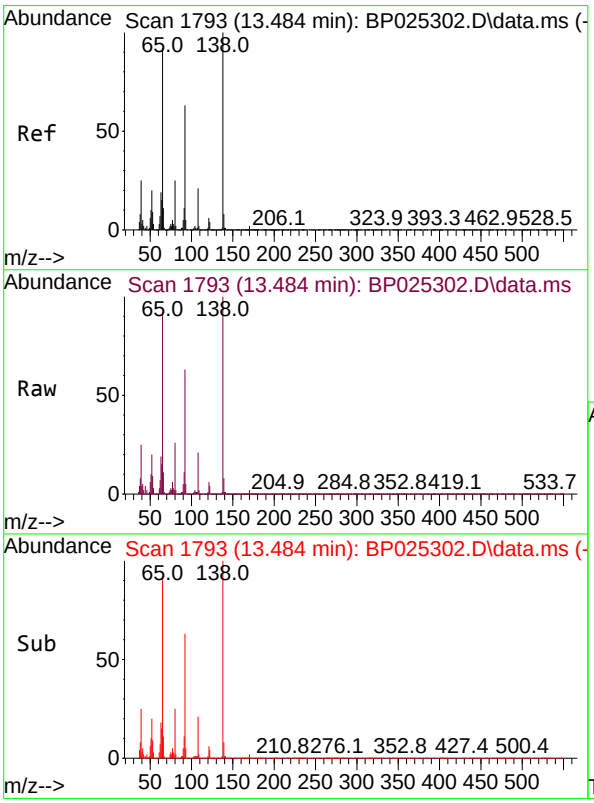
#47
2-Chloronaphthalene
Concen: 39.335 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1225849

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	32.4	25.9	38.9

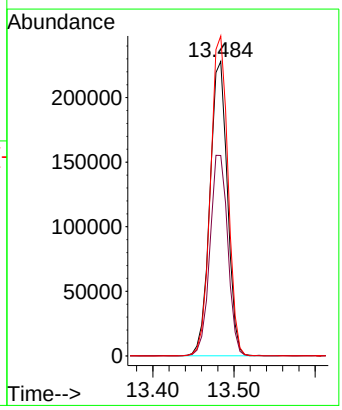


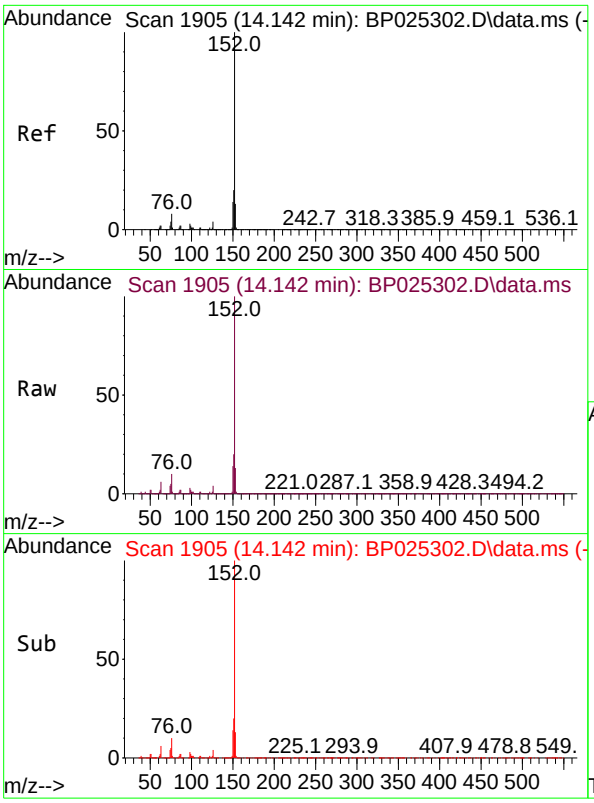


#48
2-Nitroaniline
Concen: 38.066 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion: 65 Resp: 341536

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	108.7	87.0	130.4



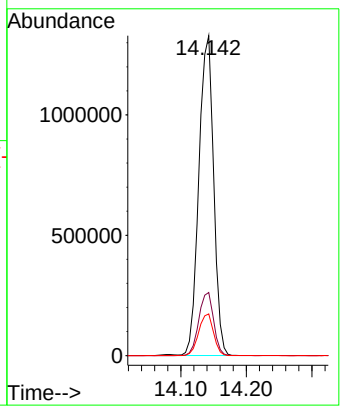


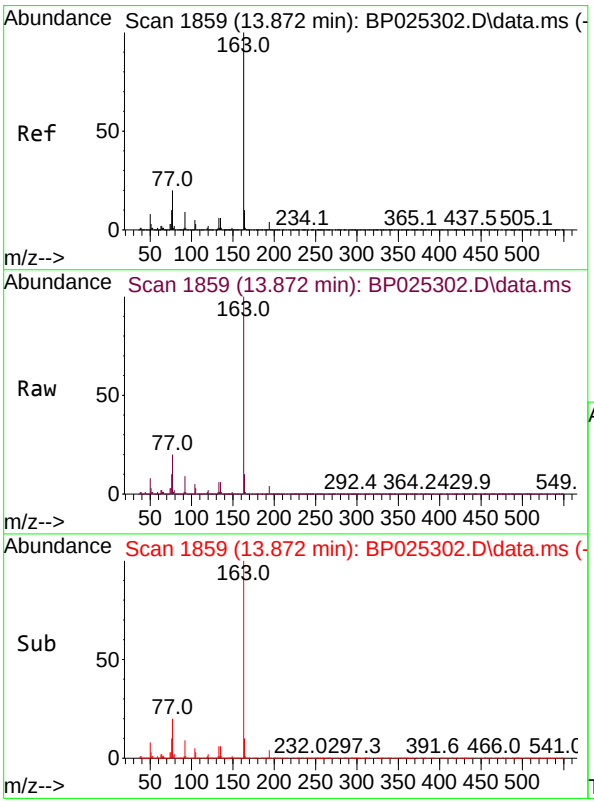
#49
Acenaphthylene
Concen: 39.828 ng
RT: 14.142 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2070346

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

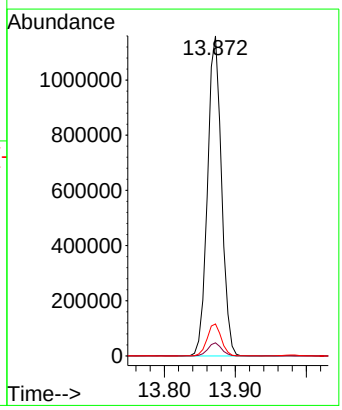


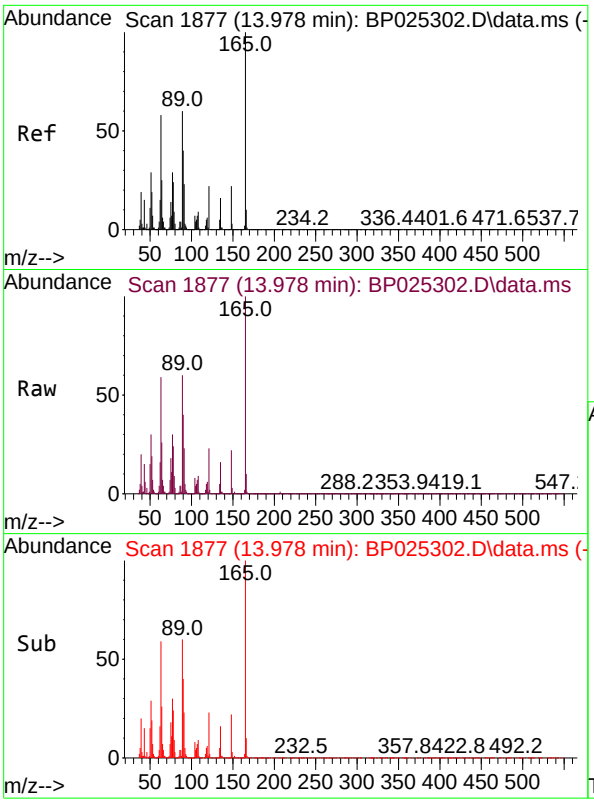


#50
Dimethylphthalate
Concen: 39.258 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:163 Resp: 1586291

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0



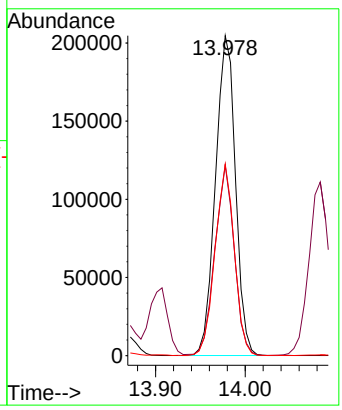


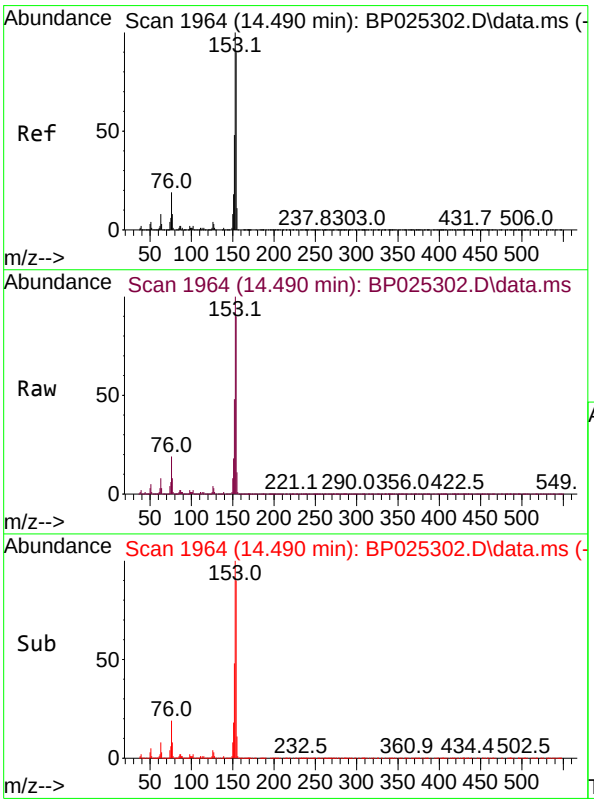
#51
2,6-Dinitrotoluene
Concen: 42.760 ng
RT: 13.978 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 318700

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.6	71.4
89	59.8	47.8	71.8

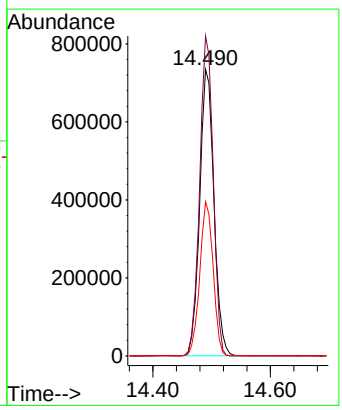


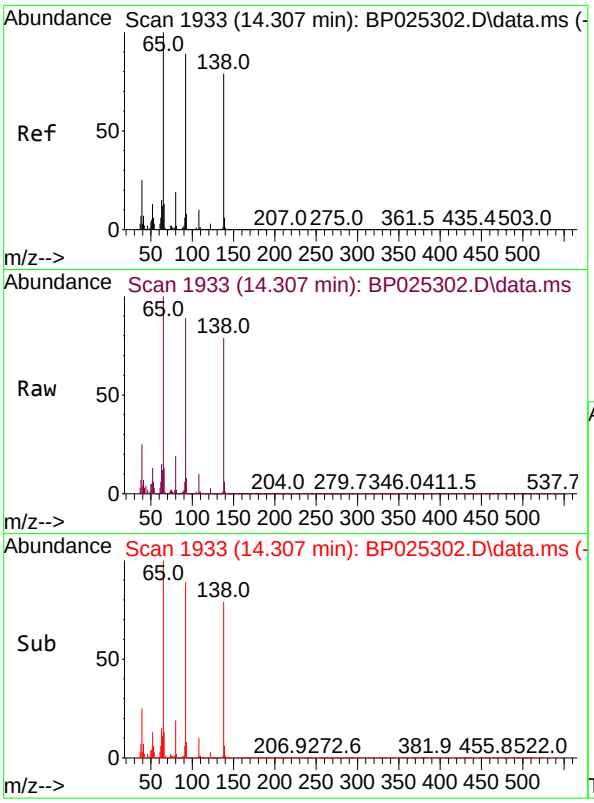


#52
Acenaphthene
Concen: 38.947 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.001 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:154 Resp: 1234915

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.4	134.0
152	53.8	43.0	64.6



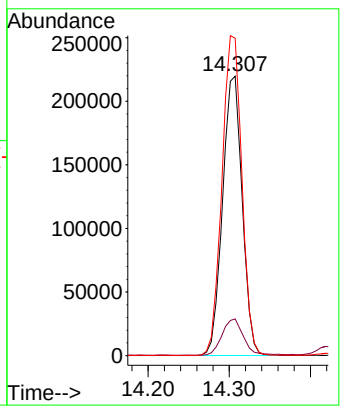


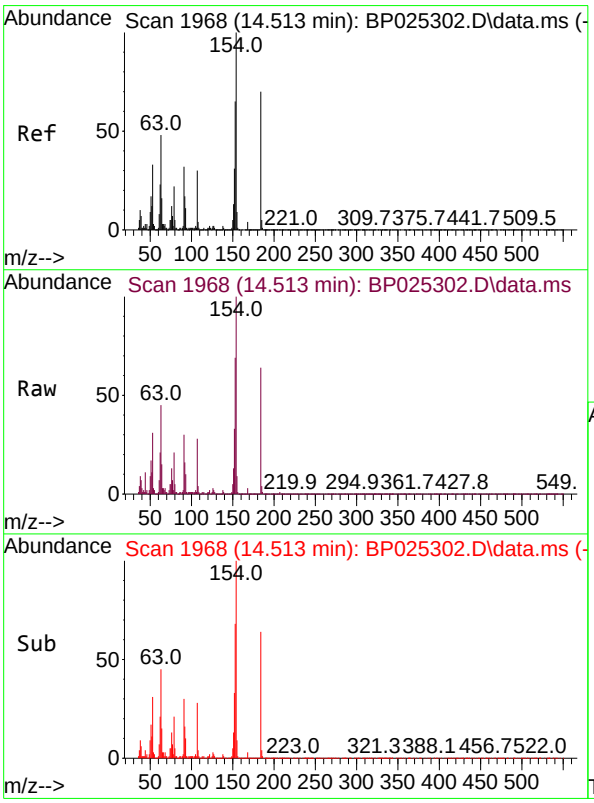
#53
3-Nitroaniline
Concen: 42.324 ng
RT: 14.307 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 369122

Ion	Ratio	Lower	Upper
138	100		
108	13.1	10.5	15.7
92	113.6	90.9	136.3

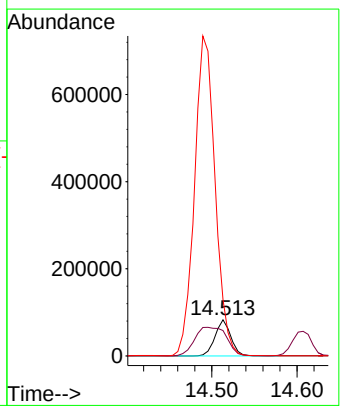


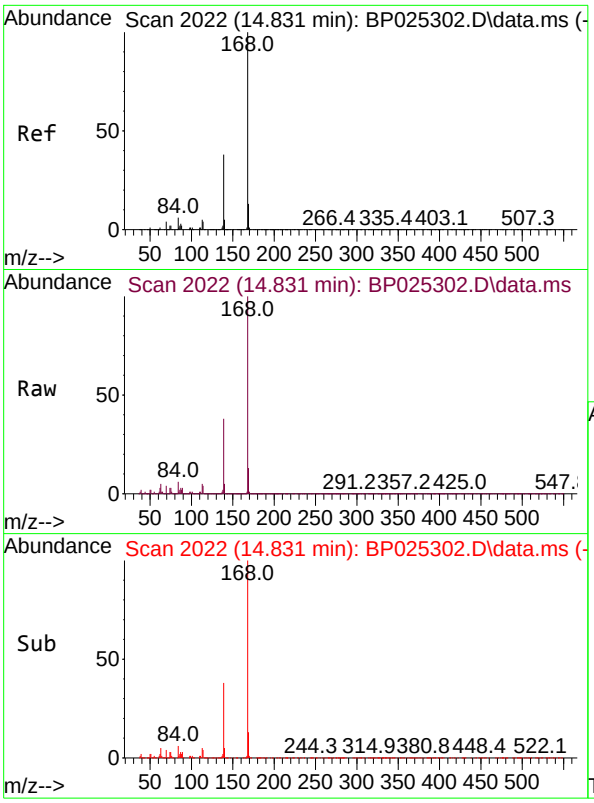


#54
2,4-Dinitrophenol
Concen: 38.143 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:184 Resp: 105656

Ion	Ratio	Lower	Upper
184	100		
63	70.4	56.3	84.5
154	155.6	124.5	186.7



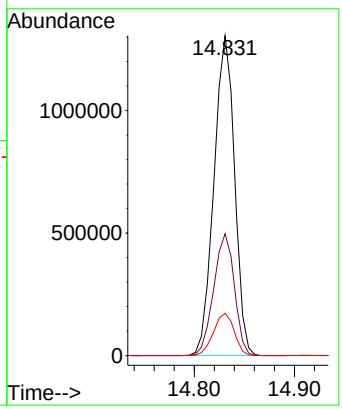


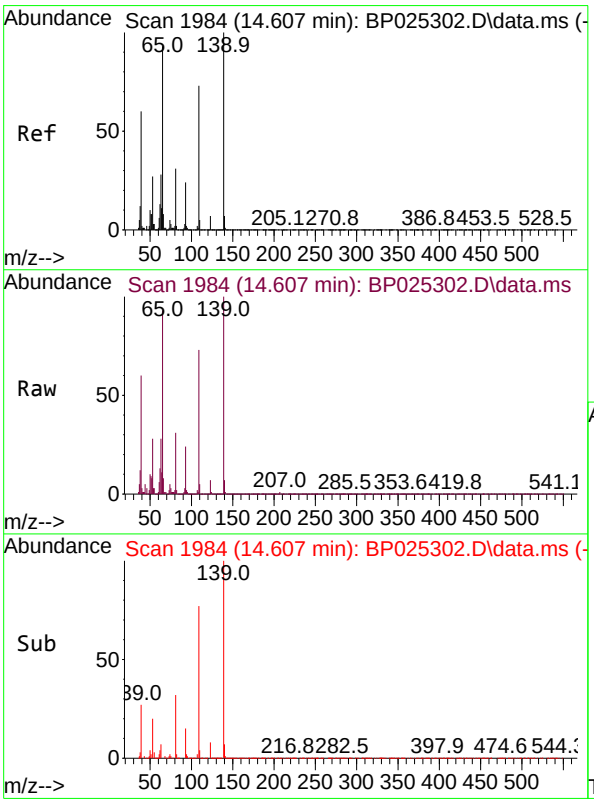
#55
Dibenzofuran
Concen: 39.336 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1863874

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.5	45.7
169	13.2	10.6	15.8

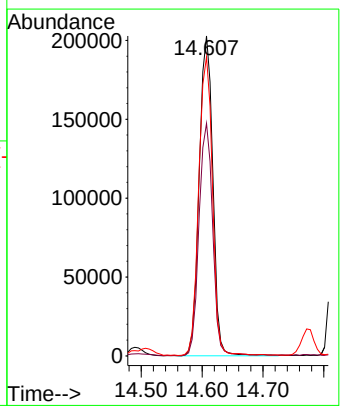


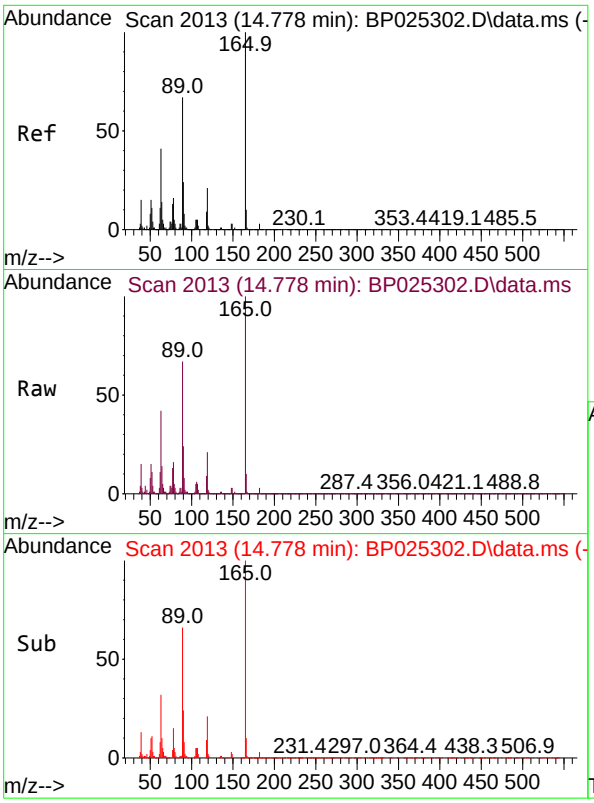


#56
4-Nitrophenol
Concen: 40.848 ng
RT: 14.607 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:139 Resp: 314409

Ion	Ratio	Lower	Upper
139	100		
109	72.7	52.7	92.7
65	93.4	73.4	113.4



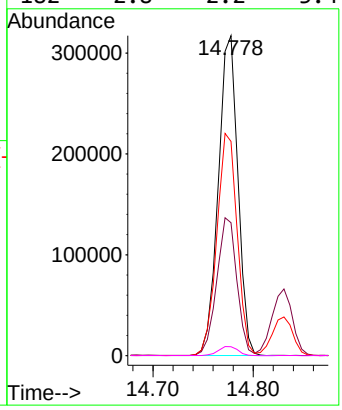


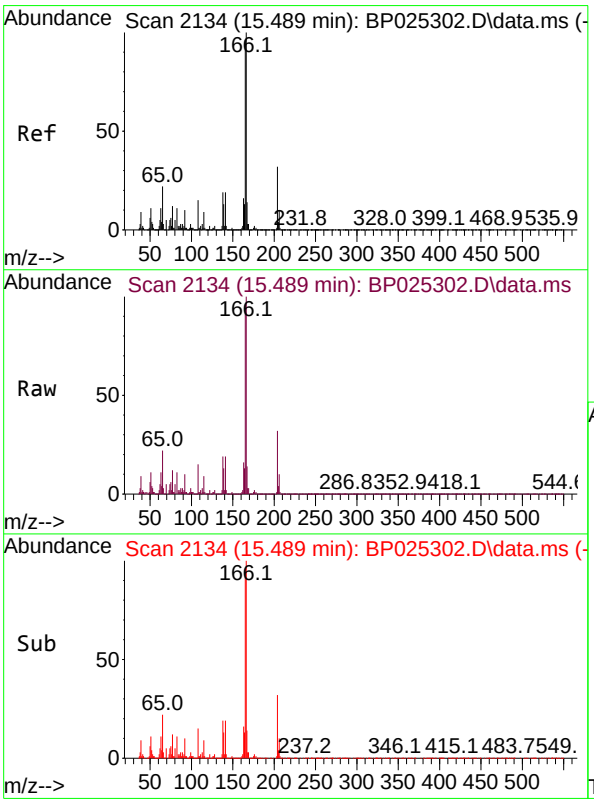
#57
2,4-Dinitrotoluene
Concen: 38.103 ng
RT: 14.778 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 431918

Ion	Ratio	Lower	Upper
165	100		
63	41.5	33.2	49.8
89	66.9	53.5	80.3
182	2.8	2.2	3.4

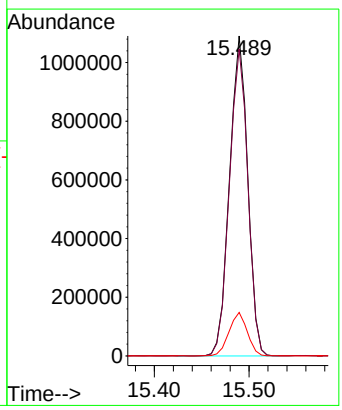


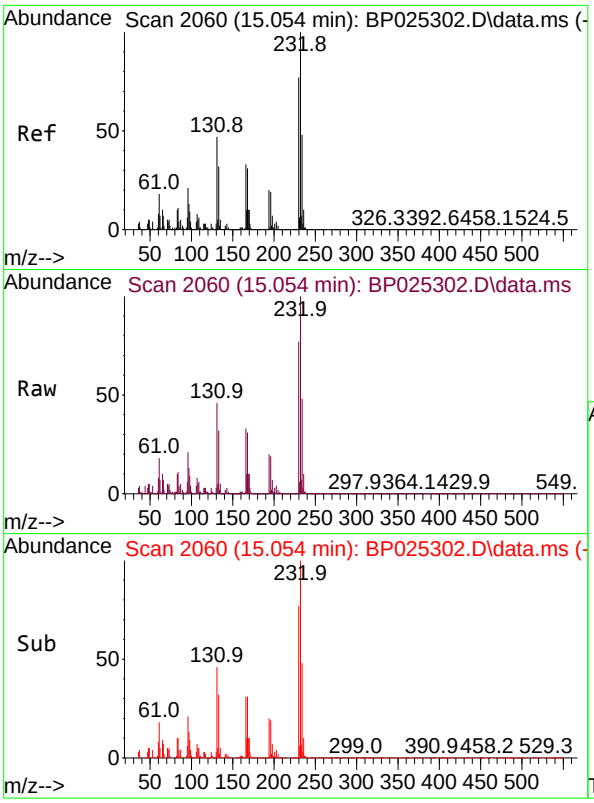


#58
Fluorene
Concen: 39.200 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:166 Resp: 1458854

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.7	115.1
167	13.6	10.9	16.3



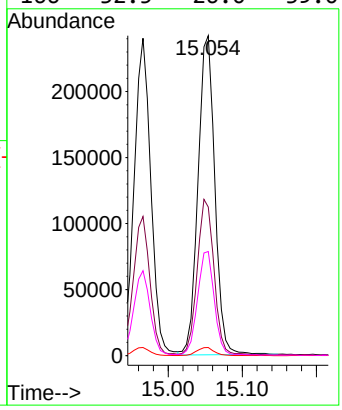


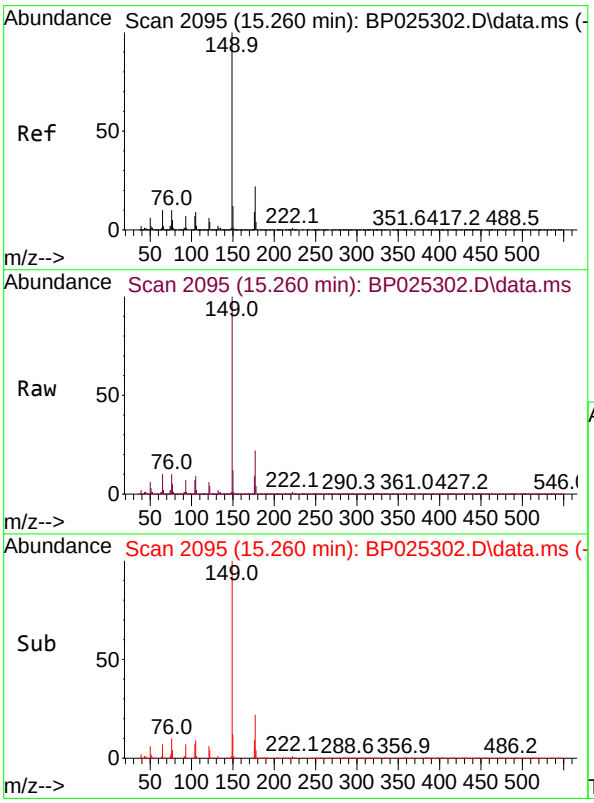
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.372 ng
RT: 15.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 381224

Ion	Ratio	Lower	Upper
232	100		
131	49.1	39.3	58.9
130	2.7	2.2	3.2
166	32.5	26.0	39.0

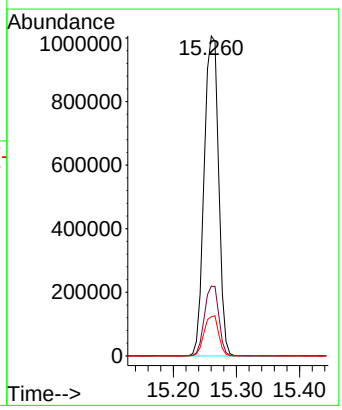


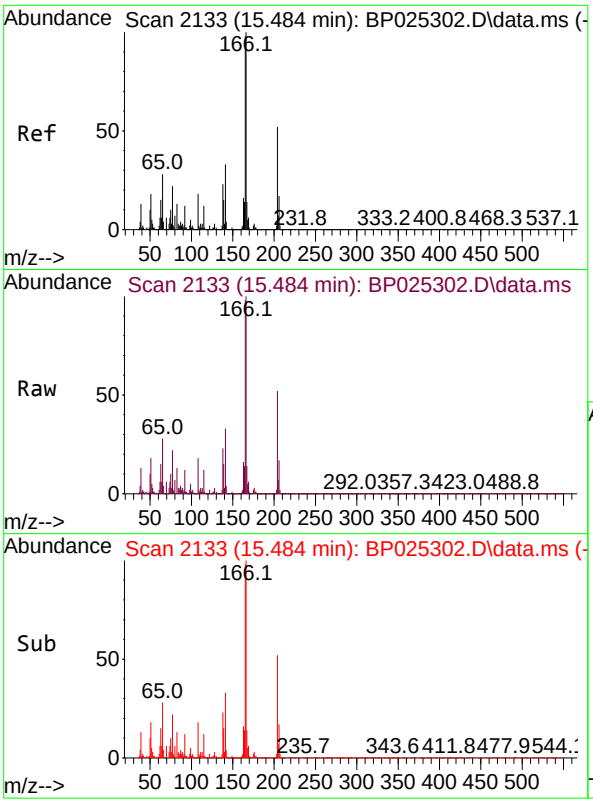


#60
Diethylphthalate
Concen: 39.190 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1596506

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8



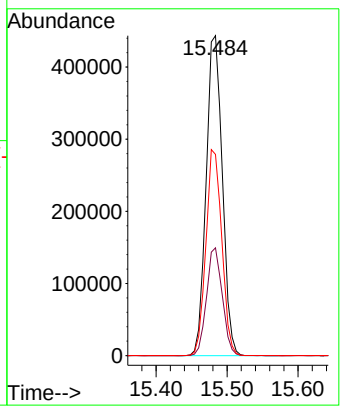


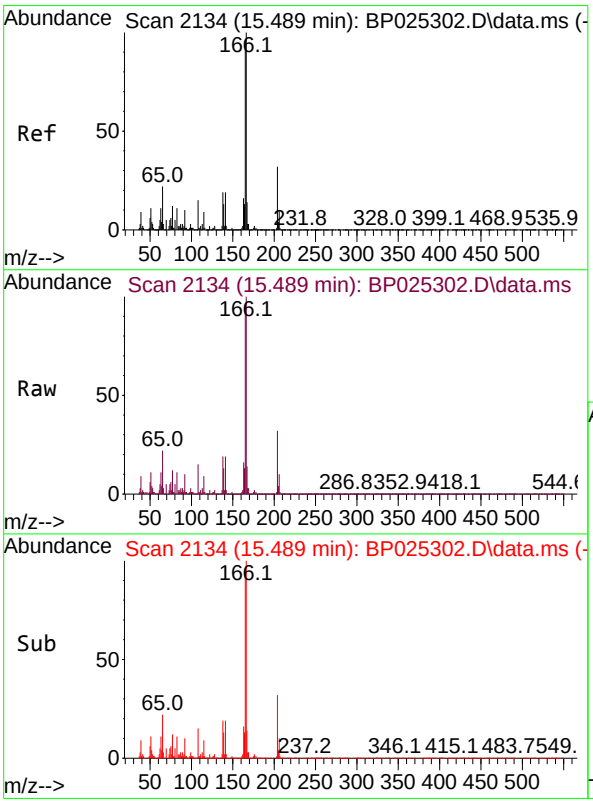
#61
4-Chlorophenyl-phenylether
Concen: 39.626 ng
RT: 15.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 699128

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	62.9	50.3	75.5

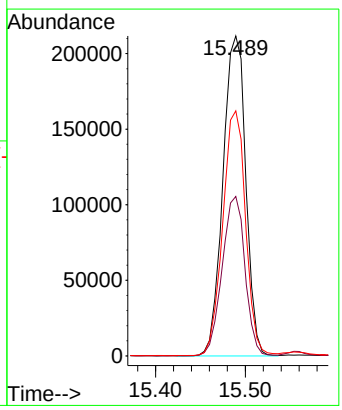


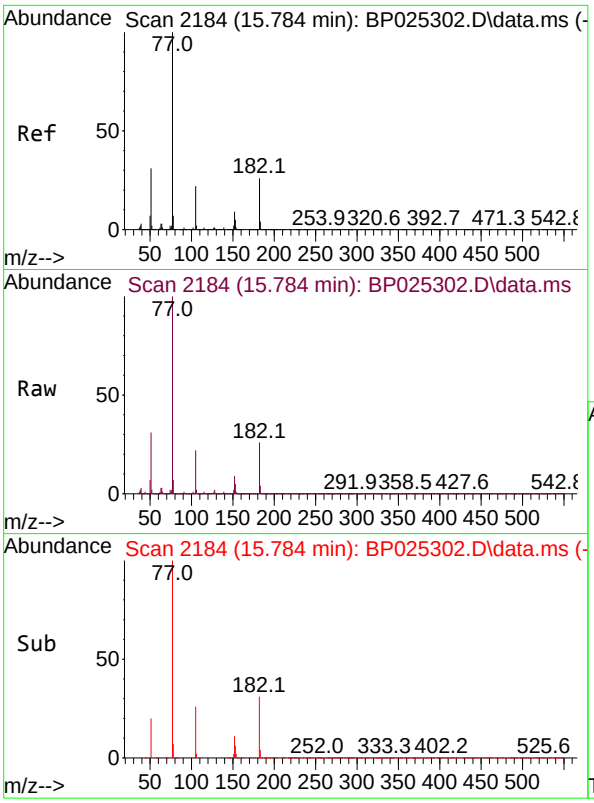


#62
4-Nitroaniline
Concen: 43.373 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:138 Resp: 374812

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	76.6	56.6	96.6



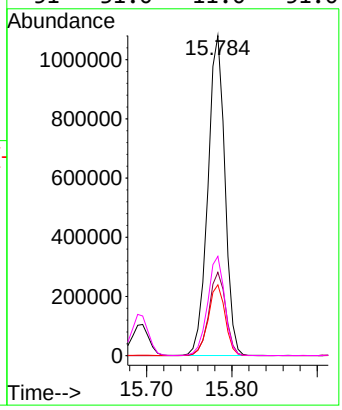


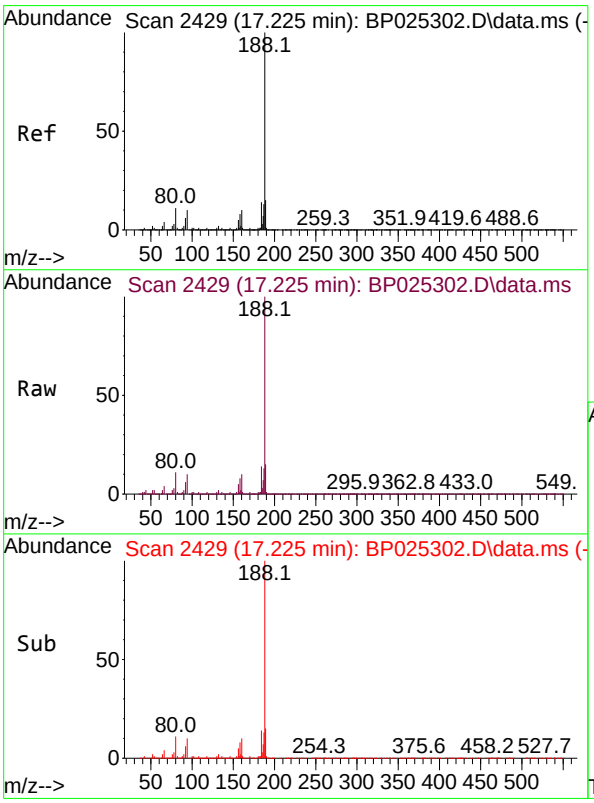
#63
Azobenzene
Concen: 39.565 ng
RT: 15.784 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1497305

Ion	Ratio	Lower	Upper
77	100		
182	26.0	6.0	46.0
105	22.1	2.1	42.1
51	31.0	11.0	51.0

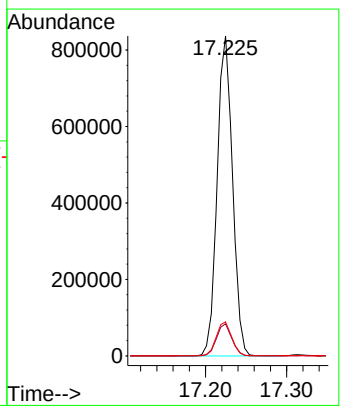


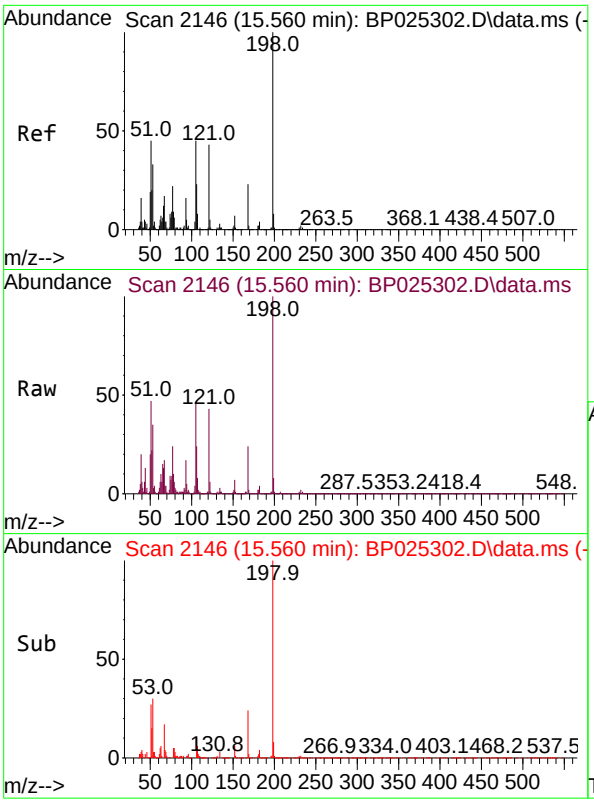


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:188 Resp: 1096367

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.6	8.5	12.7



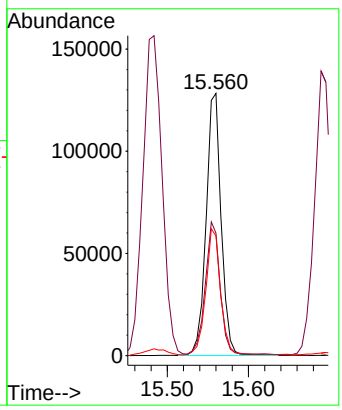


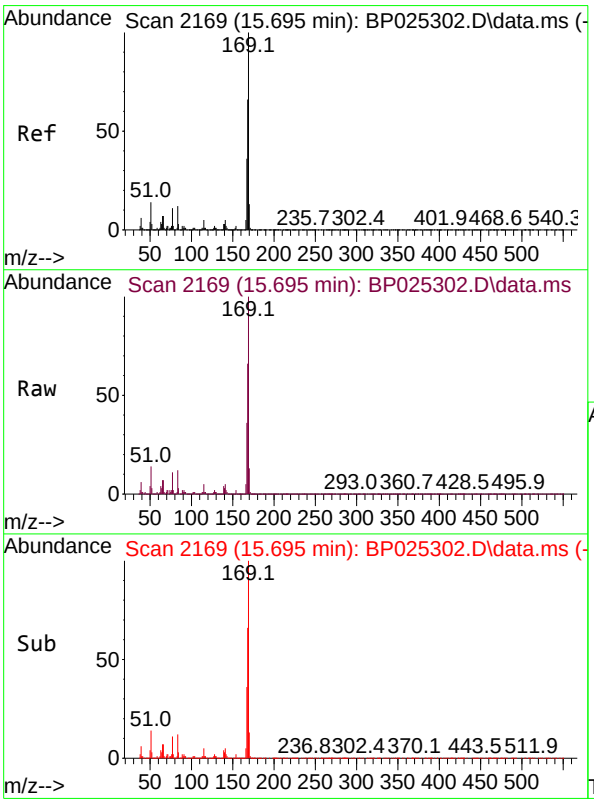
#65
4,6-Dinitro-2-methylphenol
Concen: 37.407 ng
RT: 15.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 165146

Ion	Ratio	Lower	Upper
198	100		
51	46.7	26.7	66.7
105	45.6	25.6	65.6

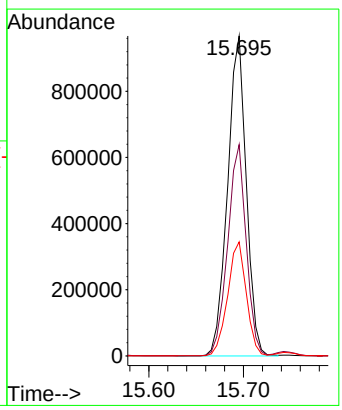


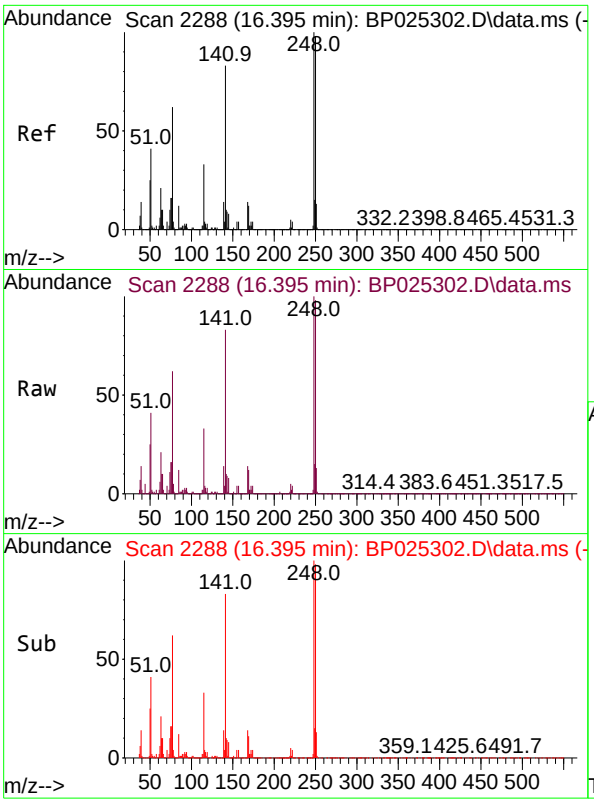


#66
n-Nitrosodiphenylamine
Concen: 39.754 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:169 Resp: 1327098

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.8	79.2
167	35.6	28.5	42.7



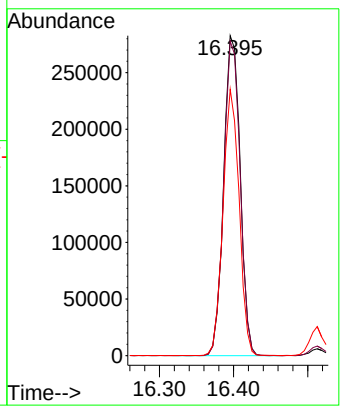


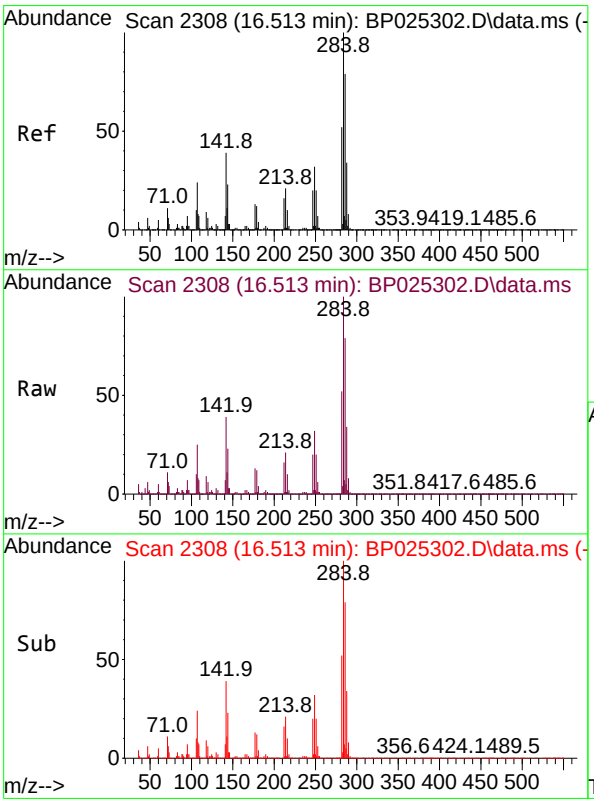
#67
4-Bromophenyl-phenylether
Concen: 39.545 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 436238

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	83.2	66.6	99.8

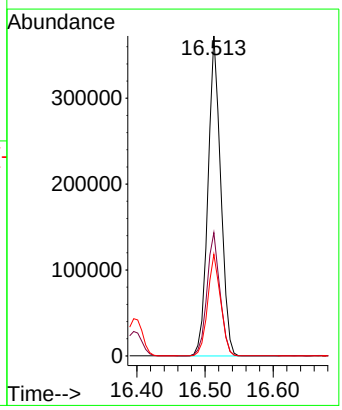


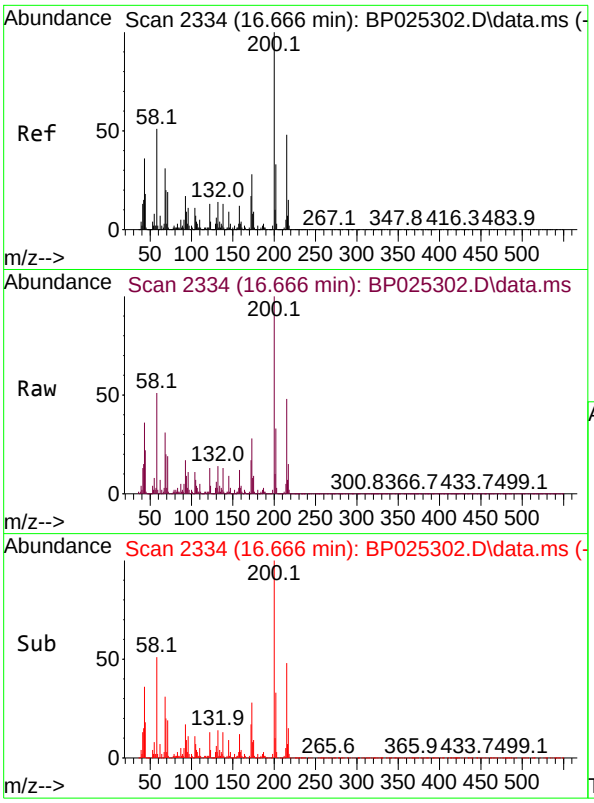


#68
Hexachlorobenzene
Concen: 38.967 ng
RT: 16.513 min Scan# 2308
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:284 Resp: 482334

Ion	Ratio	Lower	Upper
284	100		
142	38.5	30.8	46.2
249	31.7	25.4	38.0



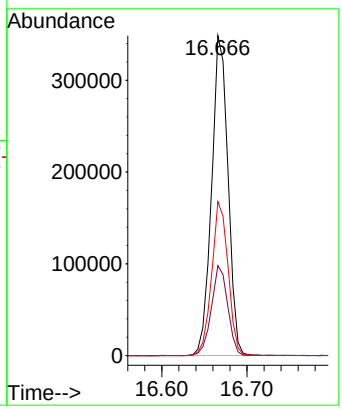


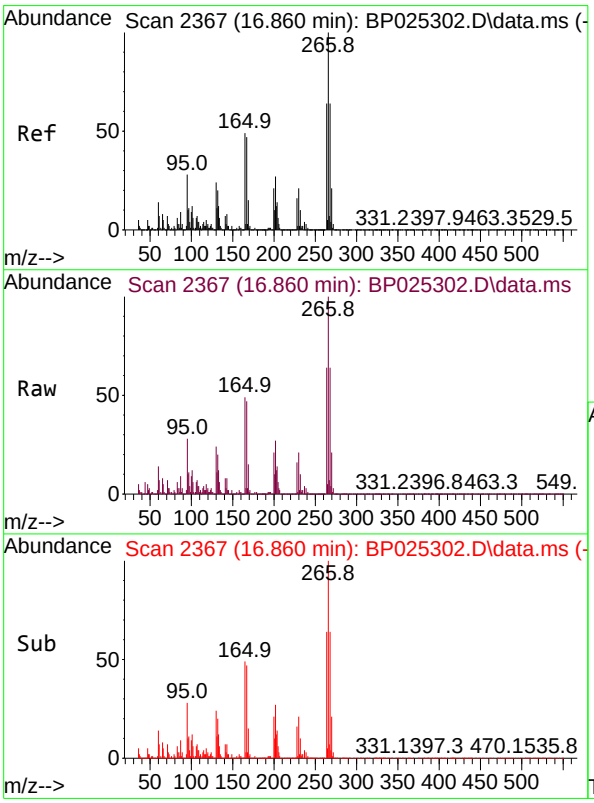
#69
Atrazine
Concen: 39.673 ng
RT: 16.666 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 465752

Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.2	48.2
215	48.1	28.1	68.1

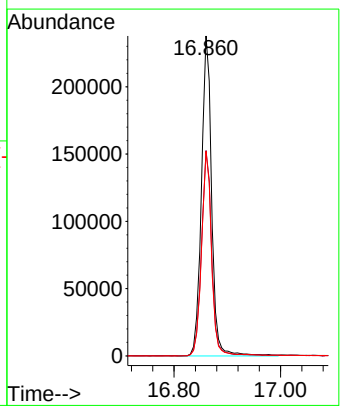


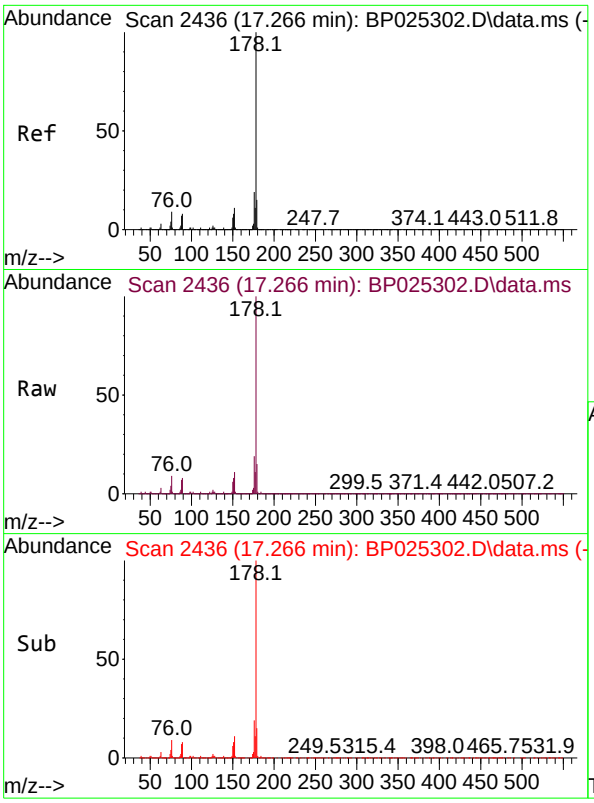


#70
Pentachlorophenol
Concen: 40.000 ng
RT: 16.860 min Scan# 2367
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:266 Resp: 315442

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.0
264	63.9	51.1	76.7



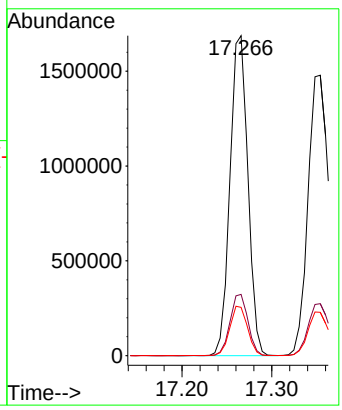


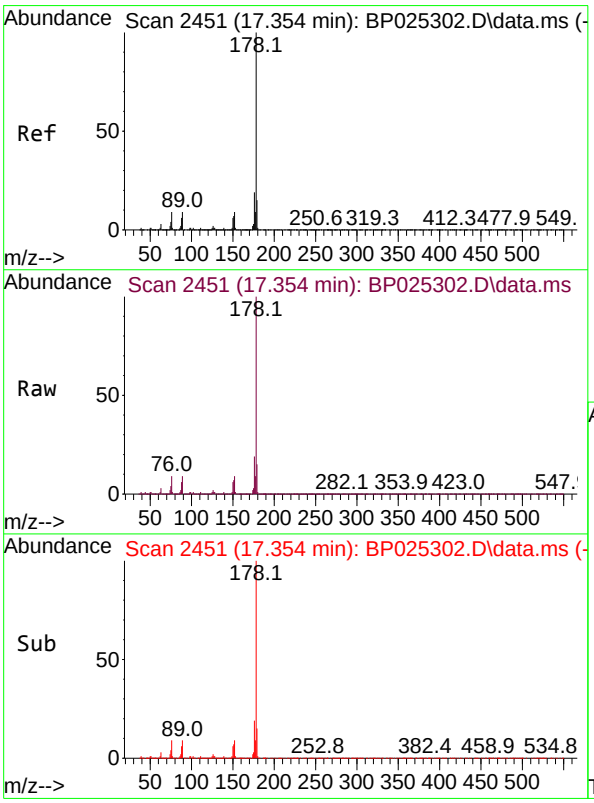
#71
Phenanthrene
Concen: 39.167 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2351974

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1

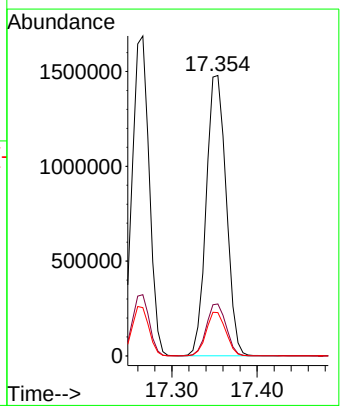


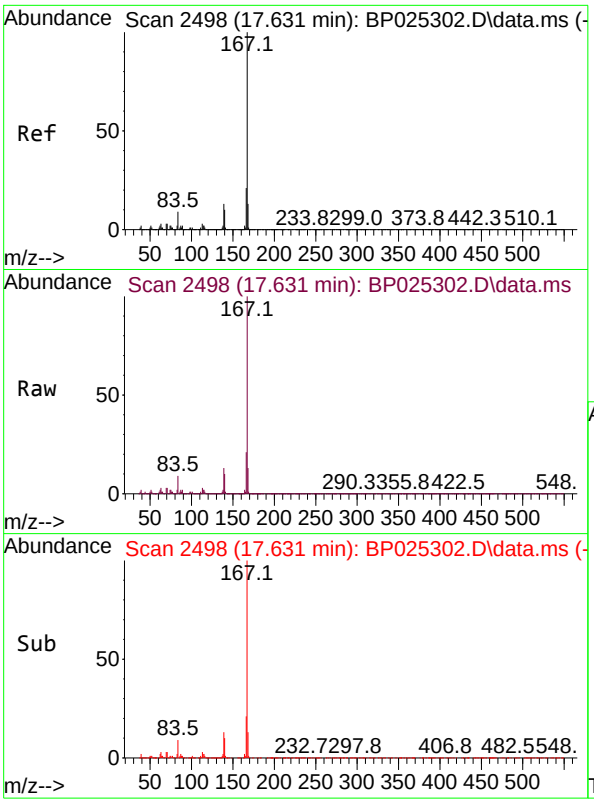


#72
Anthracene
Concen: 39.667 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:178 Resp: 2401769

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5



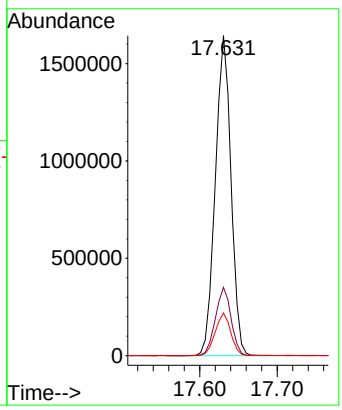


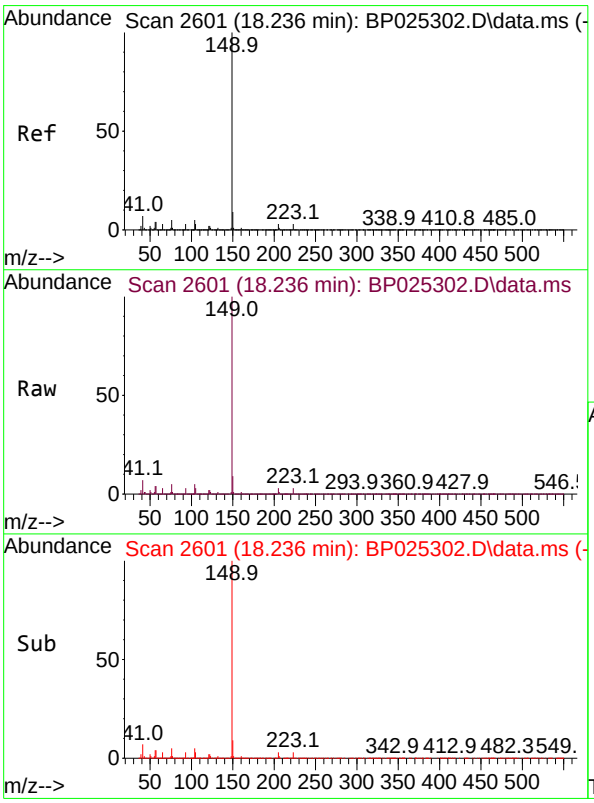
#73
Carbazole
Concen: 39.700 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2307398

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0

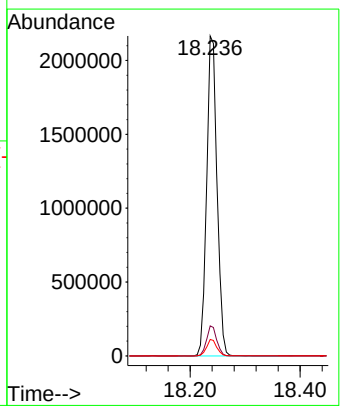


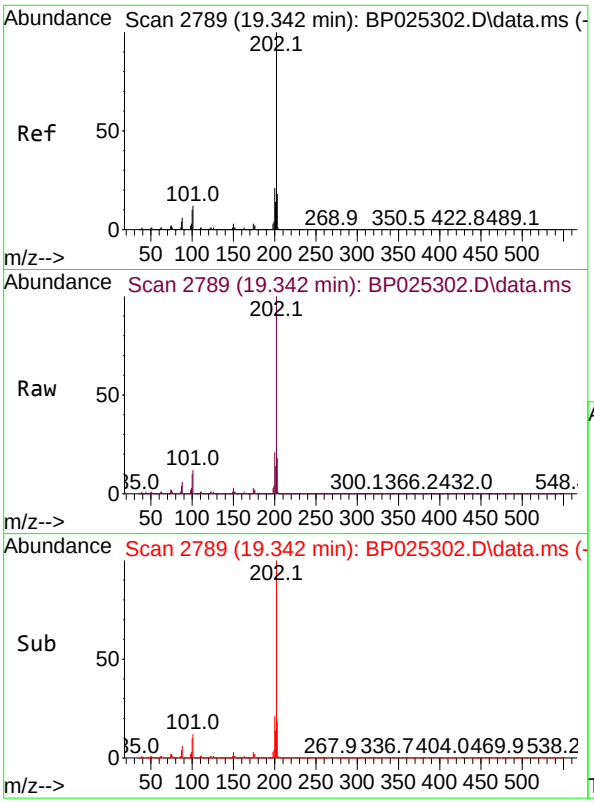


#74
Di-n-butylphthalate
Concen: 40.220 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 2828001

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.1	6.1



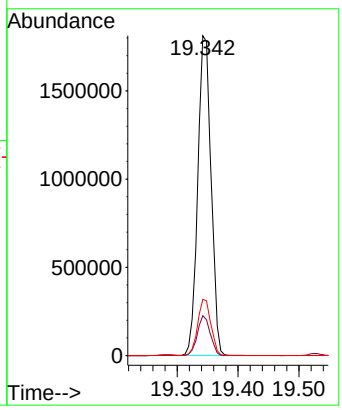


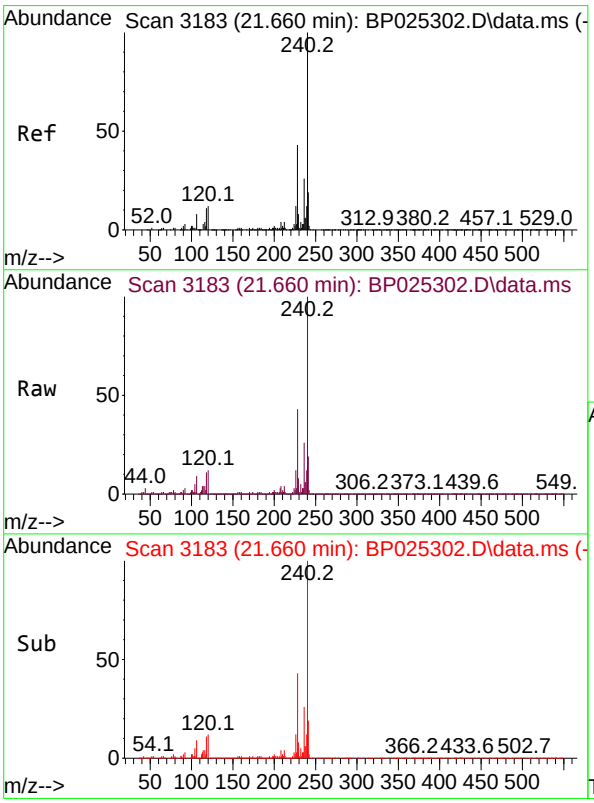
#75
Fluoranthene
Concen: 39.501 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 2745884

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.5
203	17.6	0.0	37.6

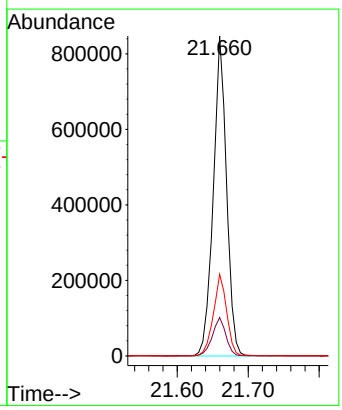


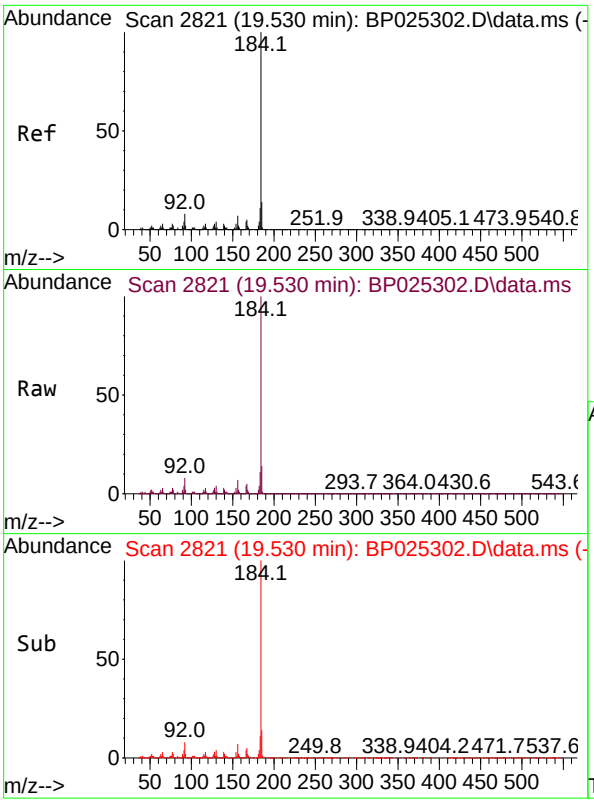


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:240 Resp: 1098659

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.6	14.4
236	25.5	20.4	30.6



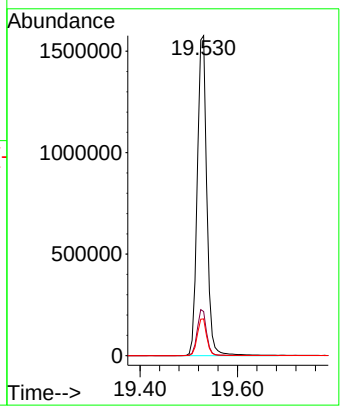


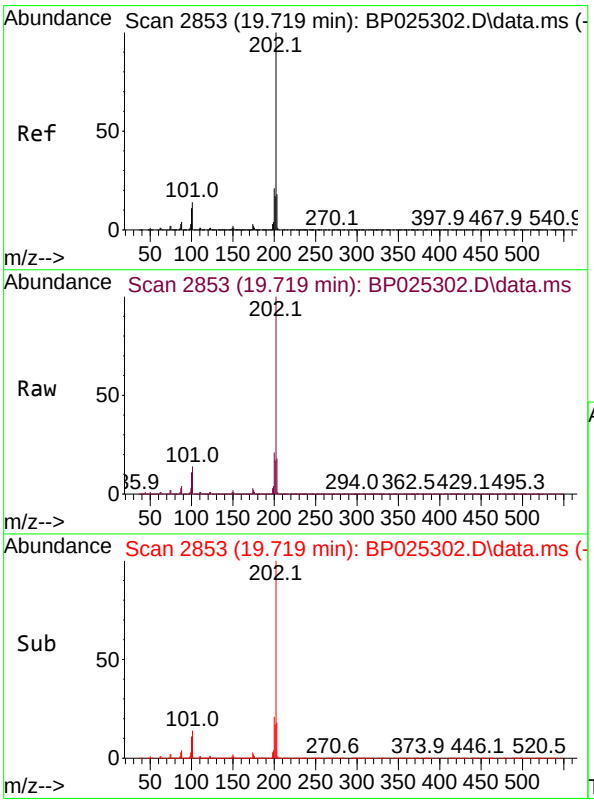
#77
Benzidine
Concen: 53.598 ng
RT: 19.530 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 2131359

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.0	16.6
183	11.5	9.2	13.8

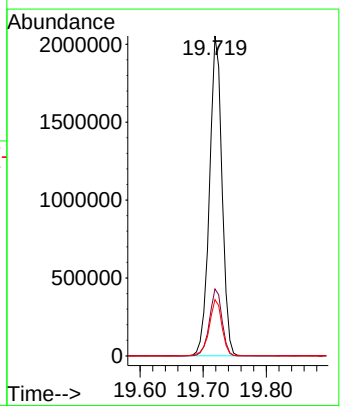


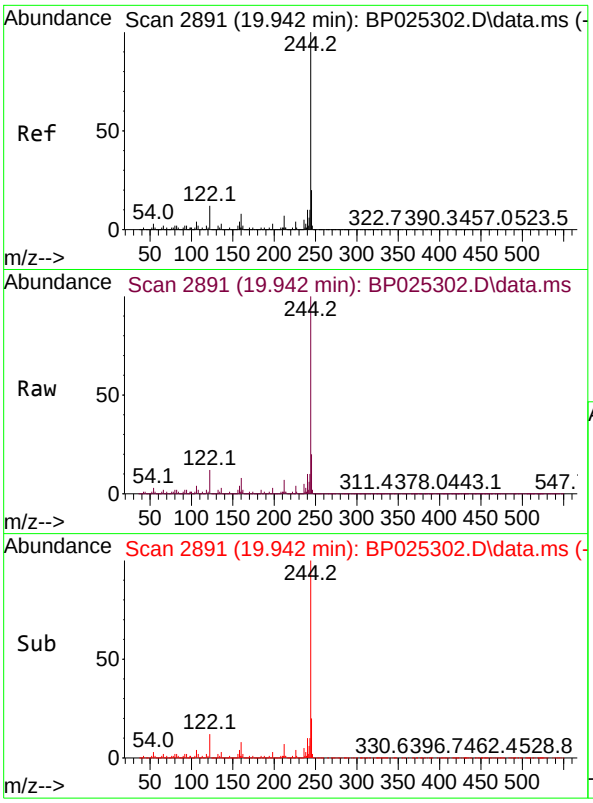


#78
Pyrene
Concen: 38.761 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:202 Resp: 2831811

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1



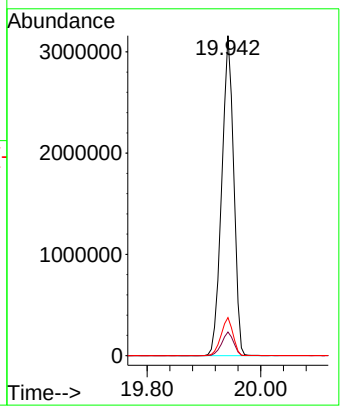


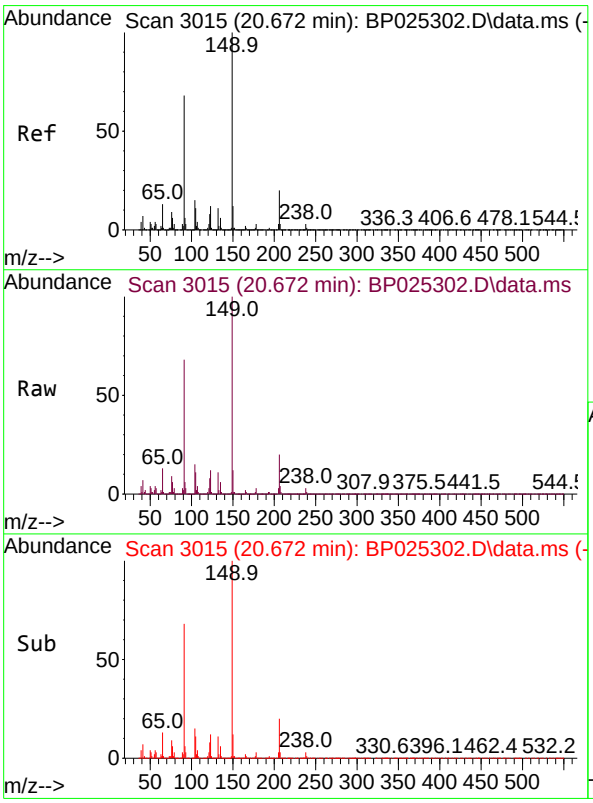
#79
Terphenyl-d14
Concen: 79.015 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 4595144

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.9	9.5	14.3

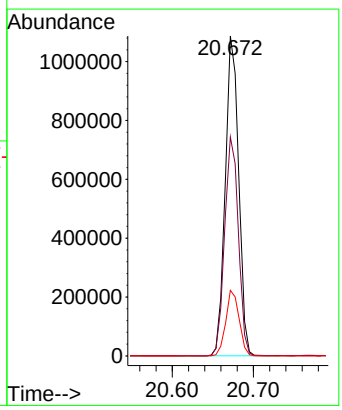


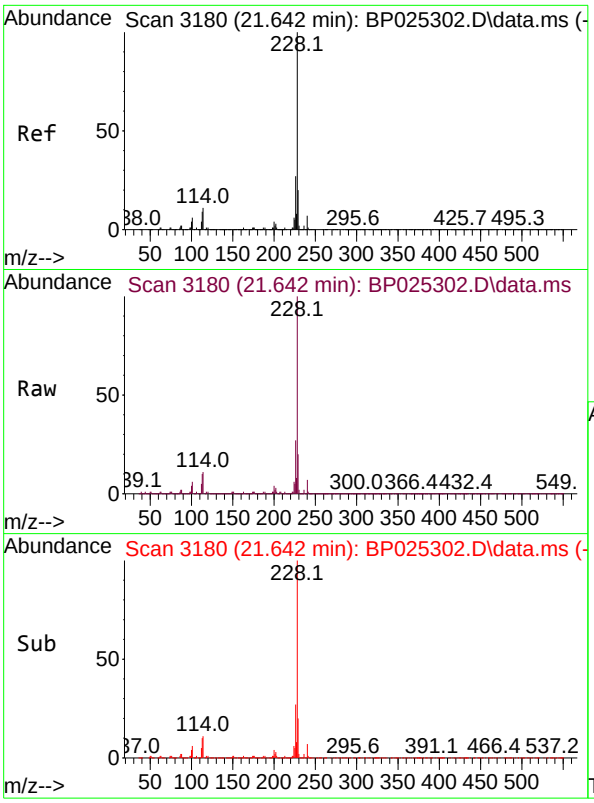


#80
Butylbenzylphthalate
Concen: 41.913 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1241891

Ion	Ratio	Lower	Upper
149	100		
91	68.4	54.7	82.1
206	20.5	16.4	24.6



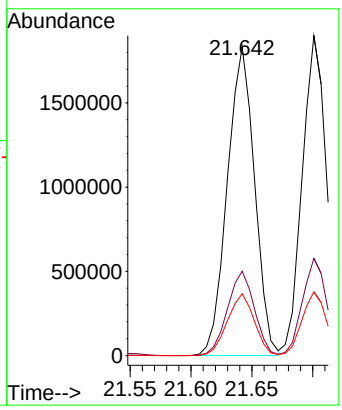


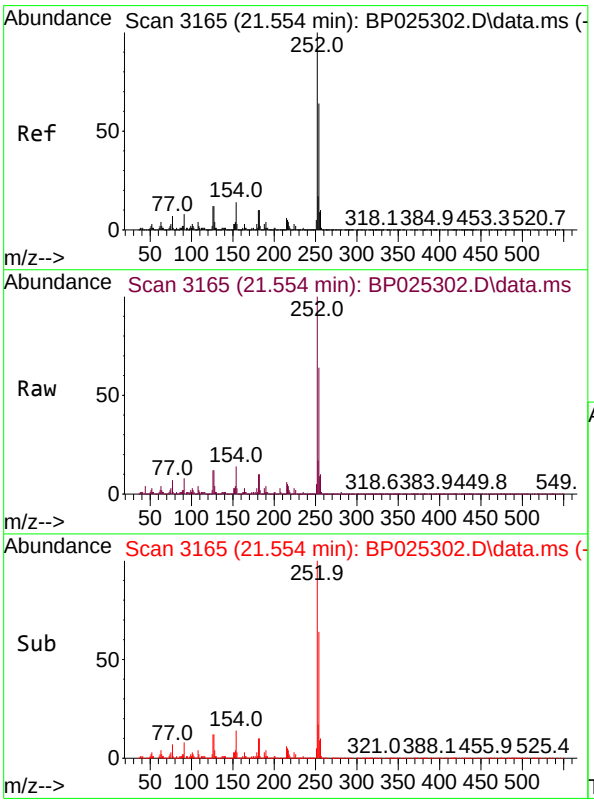
#81
Benzo(a)anthracene
Concen: 39.173 ng
RT: 21.642 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2859970

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0

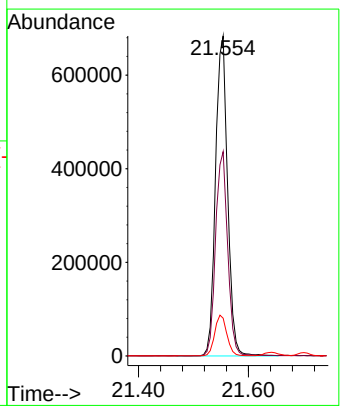


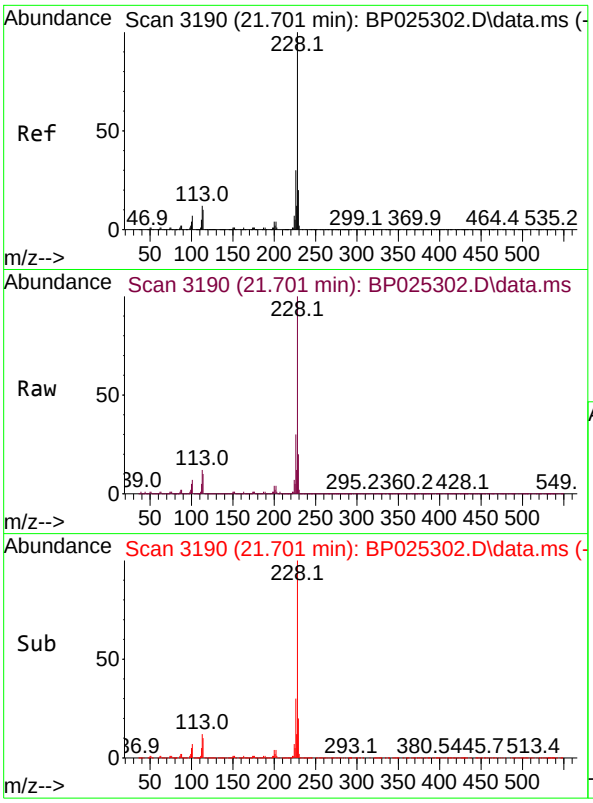


#82
3,3'-Dichlorobenzidine
Concen: 40.358 ng
RT: 21.554 min Scan# 3165
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 1039593

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2



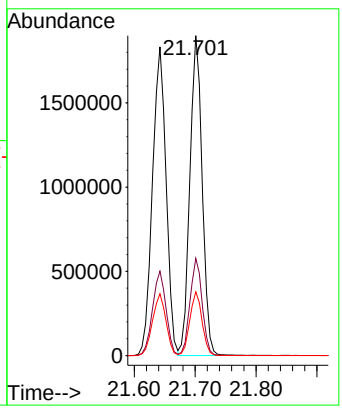


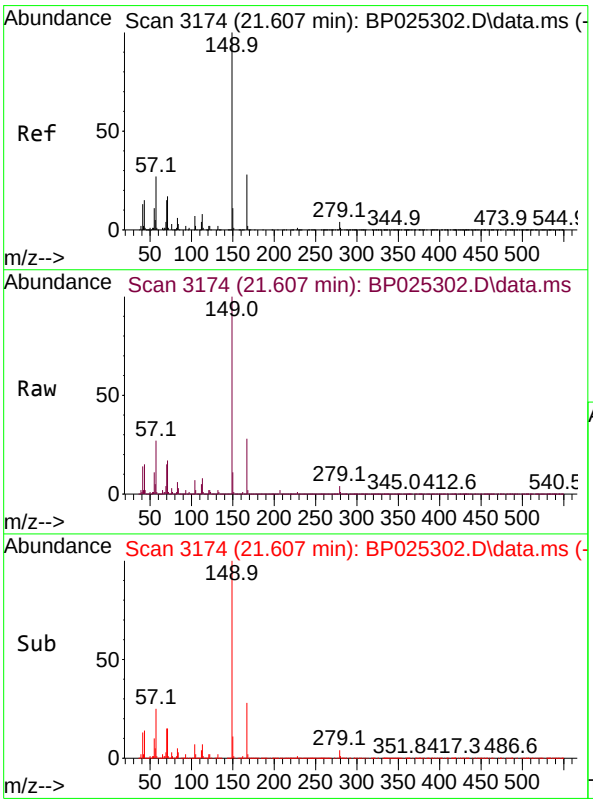
#83
Chrysene
Concen: 39.503 ng
RT: 21.701 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2674978

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.9	15.9	23.9

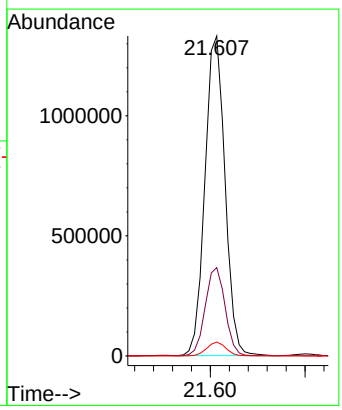


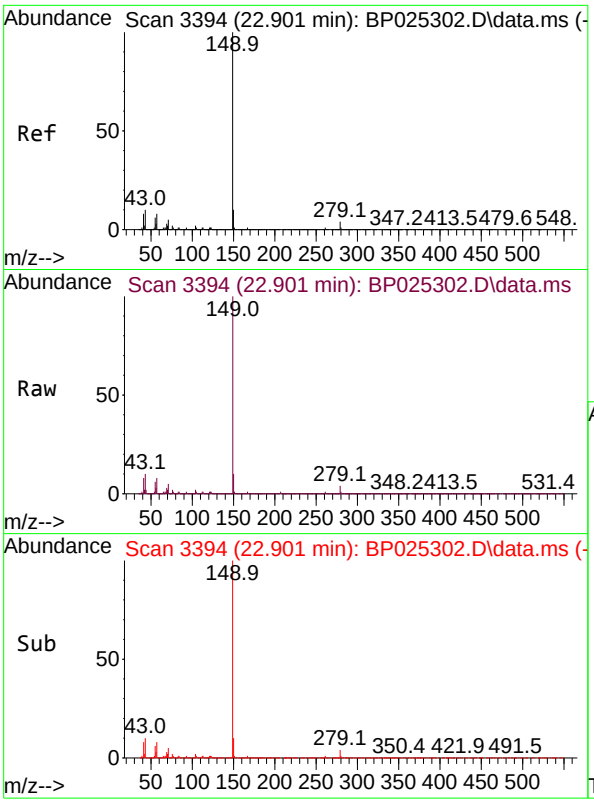


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.420 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:149 Resp: 1959652

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.3	3.4	5.2



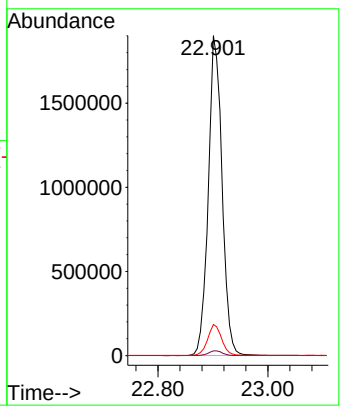


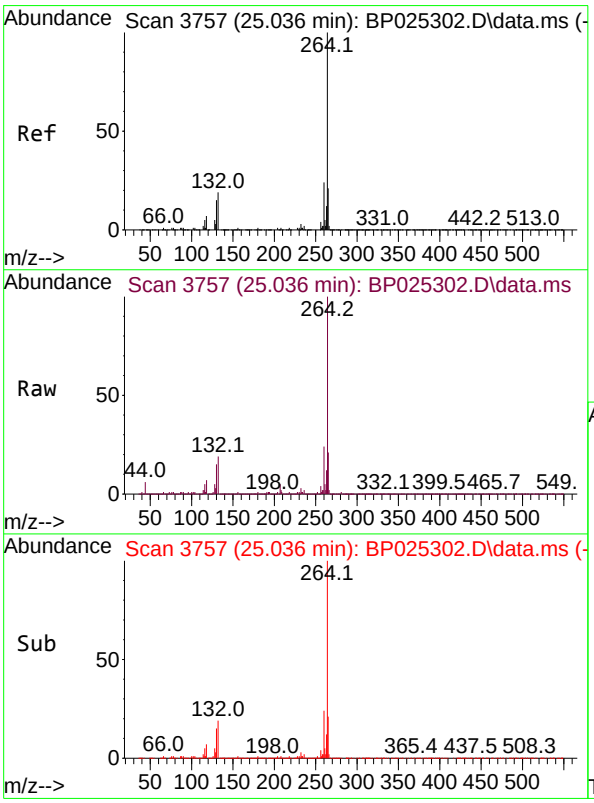
#85
Di-n-octyl phthalate
Concen: 41.675 ng
RT: 22.901 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3300305

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.9	7.9	11.9

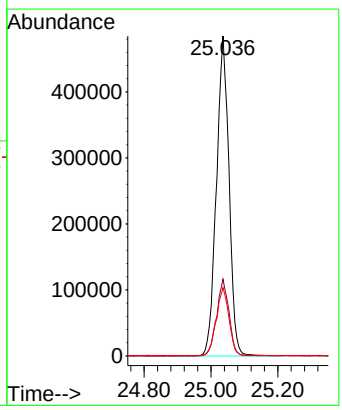


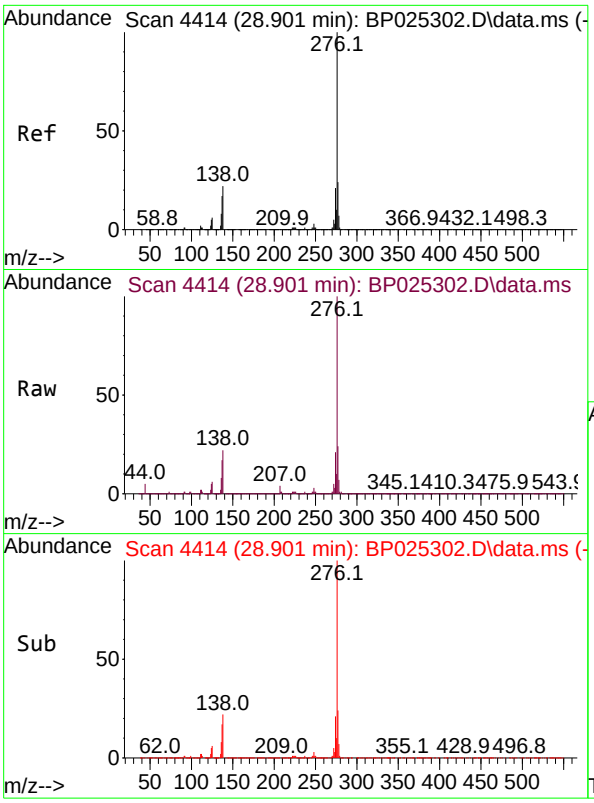


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:264 Resp: 1264736

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.1	25.7



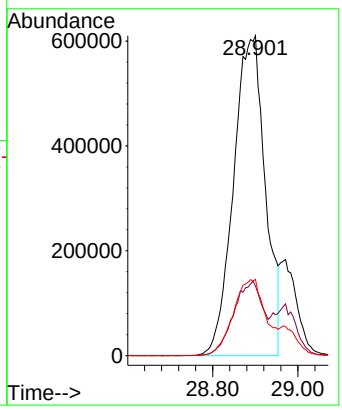


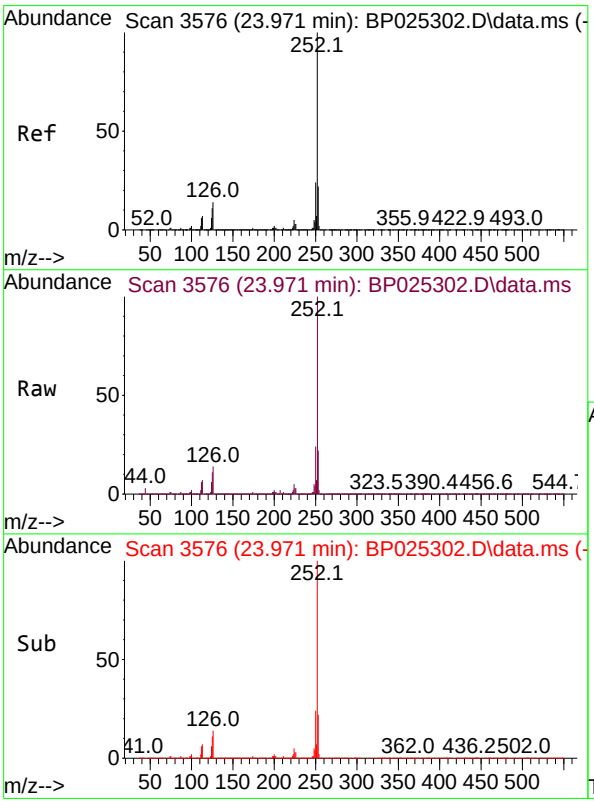
#87
Indeno(1,2,3-cd)pyrene
Concen: 34.710 ng
RT: 28.901 min Scan# 44
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3151239

Ion	Ratio	Lower	Upper
276	100		
138	21.3	14.6	22.0
277	24.4	16.8	25.2

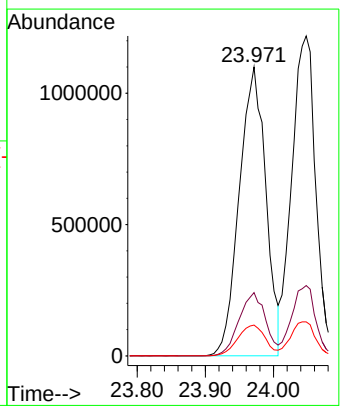


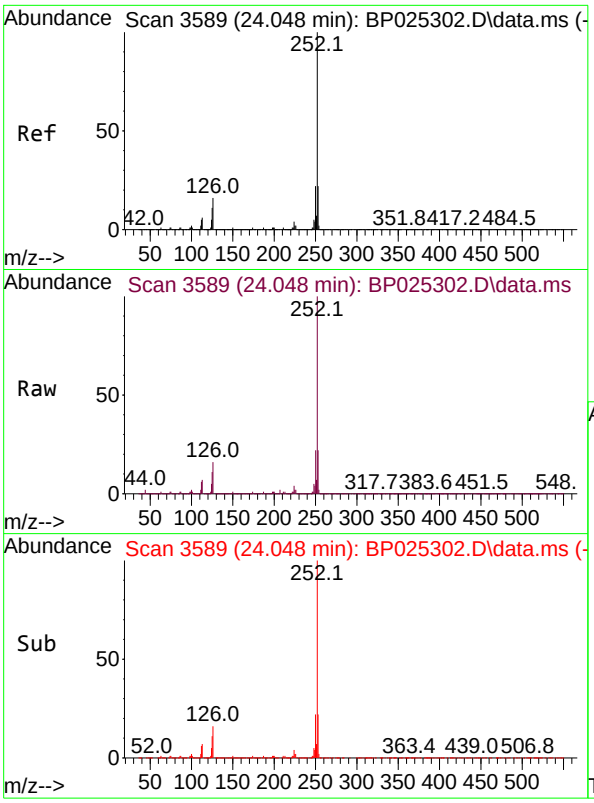


#88
Benzo(b)fluoranthene
Concen: 39.375 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2981039

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.6	8.5	12.7



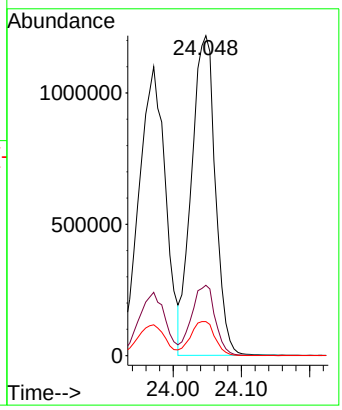


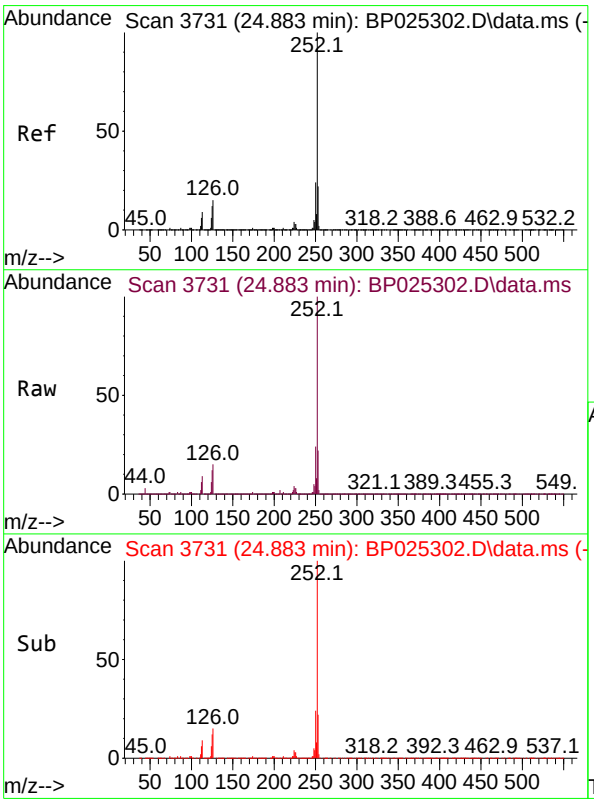
#89
Benzo(k)fluoranthene
Concen: 39.456 ng
RT: 24.048 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2961242

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.6	8.5	12.7

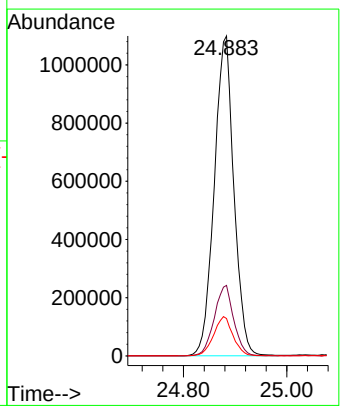


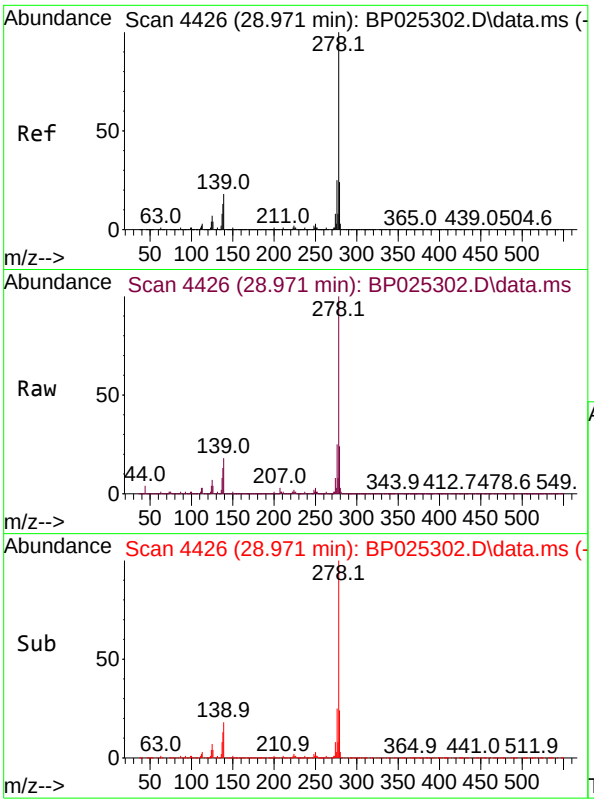


#90
Benzo(a)pyrene
Concen: 39.938 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:252 Resp: 2911834

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.7	9.4	14.0



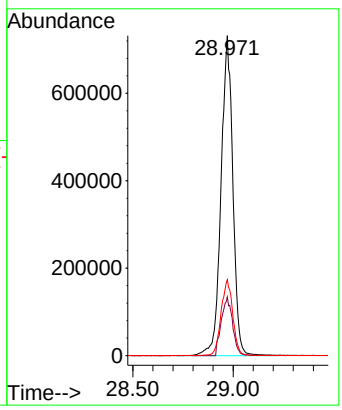


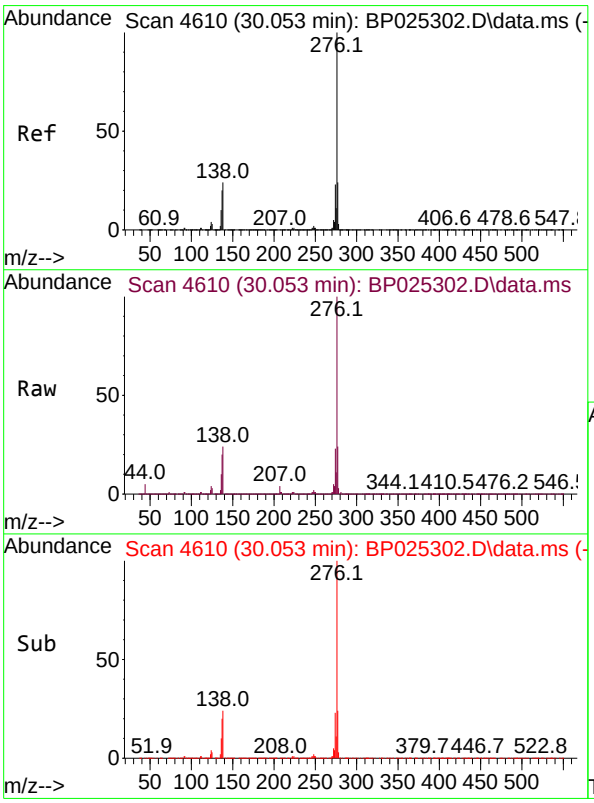
#91
Dibenzo(a,h)anthracene
Concen: 40.383 ng
RT: 28.971 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2998158

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	23.7	19.0	28.4

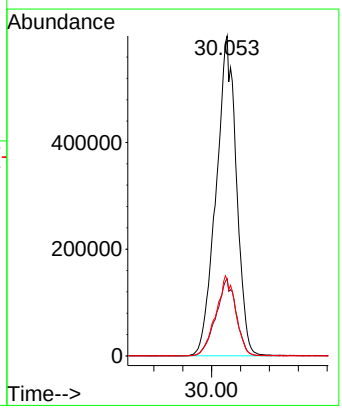




#92
Benzo(g,h,i)perylene
Concen: 40.025 ng
RT: 30.053 min Scan# 4610
Delta R.T. 0.000 min
Lab File: BP025302.D
Acq: 05 Aug 2025 14:47

Tgt Ion:276 Resp: 2917156

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	23.9	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	204129	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	895271	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	571612	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1114369	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1066090	20.000	ng	0.00
86) Perylene-d12	25.048	264	1155535	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1323492	103.607	ng	0.00
7) Phenol-d6	6.966	99	1770084	105.044	ng	0.00
23) Nitrobenzene-d5	8.937	82	1820226	110.005	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	654420	110.884	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	4184125	101.643	ng	0.00
79) Terphenyl-d14	19.948	244	5765552	102.169	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	252837	50.482	ng	99
3) Pyridine	3.725	79	717966	51.596	ng	99
4) n-Nitrosodimethylamine	3.637	42	337100	52.181	ng	97
6) Aniline	7.137	93	1217200	53.084	ng	99
8) 2-Chlorophenol	7.372	128	740540	53.306	ng	99
9) Benzaldehyde	6.949	77	719072	60.611	ng	98
10) Phenol	6.990	94	940803	52.642	ng	99
11) bis(2-Chloroethyl)ether	7.231	93	734824	52.476	ng	99
12) 1,3-Dichlorobenzene	7.696	146	803898	51.499	ng	100
13) 1,4-Dichlorobenzene	7.837	146	817189	51.745	ng	99
14) 1,2-Dichlorobenzene	8.155	146	791692	51.749	ng	99
15) Benzyl Alcohol	8.031	79	693643	53.573	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.325	45	1148882	51.937	ng	100
17) 2-Methylphenol	8.225	107	639575	53.483	ng	99
18) Hexachloroethane	8.878	117	291706	51.649	ng	97
19) n-Nitroso-di-n-propyla...	8.596	70	584940	53.300	ng	99
20) 3+4-Methylphenols	8.549	107	873995	53.075	ng	98
22) Acetophenone	8.607	105	1157990	51.524	ng	99
24) Nitrobenzene	8.978	77	835622	54.626	ng	100
25) Isophorone	9.507	82	1699294	52.827	ng	100
26) 2-Nitrophenol	9.684	139	334267	49.999	ng	99
27) 2,4-Dimethylphenol	9.749	122	764549	51.553	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	1023578	52.308	ng	99
29) 2,4-Dichlorophenol	10.213	162	710356	54.711	ng	98
30) 1,2,4-Trichlorobenzene	10.437	180	747003	52.150	ng	99
31) Naphthalene	10.619	128	2404950	51.746	ng	100
32) Benzoic acid	9.872	122	427207	49.747	ng	96
33) 4-Chloroaniline	10.719	127	1108429	53.624	ng	100
34) Hexachlorobutadiene	10.919	225	420532	51.144	ng	97
35) Caprolactam	11.490	113	273974	54.273	ng	97
36) 4-Chloro-3-methylphenol	11.837	107	822806	54.768	ng	99
37) 2-Methylnaphthalene	12.231	142	1569525	52.175	ng	100
38) 1-Methylnaphthalene	12.454	142	1654175	52.701	ng	100
40) 1,2,4,5-Tetrachloroben...	12.601	216	795310	50.962	ng	99
41) Hexachlorocyclopentadiene	12.590	237	511069	53.061	ng	99
43) 2,4,6-Trichlorophenol	12.837	196	565018	56.046	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	624750	55.243	ng		98
46) 1,1'-Biphenyl	13.248	154	2167632	51.457	ng		99
47) 2-Chloronaphthalene	13.284	162	1656657	51.548	ng		100
48) 2-Nitroaniline	13.478	65	491730	51.971	ng		96
49) Acenaphthylene	14.137	152	2816363	52.537	ng		99
50) Dimethylphthalate	13.878	163	2189488	52.544	ng		100
51) 2,6-Dinitrotoluene	13.978	165	440590	57.323	ng		97
52) Acenaphthene	14.484	154	1716317	52.489	ng		99
53) 3-Nitroaniline	14.313	138	517027	57.487	ng		96
54) 2,4-Dinitrophenol	14.513	184	167500	50.836	ng	#	52
55) Dibenzofuran	14.819	168	2518183	51.534	ng		99
56) 4-Nitrophenol	14.613	139	439677	55.392	ng		98
57) 2,4-Dinitrotoluene	14.772	165	615851	51.438	ng		96
58) Fluorene	15.484	166	1943035	50.628	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.048	232	522825	55.019	ng		99
60) Diethylphthalate	15.266	149	2184026	51.987	ng		99
61) 4-Chlorophenyl-phenyle...	15.484	204	918129	50.462	ng		97
62) 4-Nitroaniline	15.489	138	497394	55.814	ng		99
63) Azobenzene	15.778	77	2000064	51.248	ng		99
65) 4,6-Dinitro-2-methylph...	15.548	198	259581	51.256	ng		98
66) n-Nitrosodiphenylamine	15.701	169	1776048	52.344	ng		100
67) 4-Bromophenyl-phenylether	16.395	248	589000	52.531	ng		99
68) Hexachlorobenzene	16.507	284	650421	51.698	ng		96
69) Atrazine	16.672	200	642206	53.820	ng		98
70) Pentachlorophenol	16.854	266	448973	56.013	ng		99
71) Phenanthrene	17.260	178	3152482	51.650	ng		99
72) Anthracene	17.360	178	3207824	52.124	ng		100
73) Carbazole	17.625	167	3066018	51.900	ng		99
74) Di-n-butylphthalate	18.236	149	3833325	53.637	ng		100
75) Fluoranthene	19.348	202	3659664	51.795	ng		98
77) Benzidine	19.536	184	1935364	50.156	ng		100
78) Pyrene	19.719	202	3748452	52.875	ng		100
80) Butylbenzylphthalate	20.683	149	1670521	58.102	ng		98
81) Benzo(a)anthracene	21.636	228	3682901	51.986	ng		100
82) 3,3'-Dichlorobenzidine	21.560	252	1334151	53.376	ng		99
83) Chrysene	21.713	228	3435648	52.286	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	2502532	54.510	ng		100
85) Di-n-octyl phthalate	22.907	149	4113502	53.530	ng		100
87) Indeno(1,2,3-cd)pyrene	28.889	276	3723795	44.893	ng	#	92
88) Benzo(b)fluoranthene	23.971	252	3725745	53.862	ng		99
89) Benzo(k)fluoranthene	24.042	252	3650347	53.234	ng		99
90) Benzo(a)pyrene	24.877	252	3549437	53.283	ng		100
91) Dibenzo(a,h)anthracene	29.000	278	3643604	53.715	ng		99
92) Benzo(g,h,i)perylene	30.083	276	3590382	53.917	ng		99

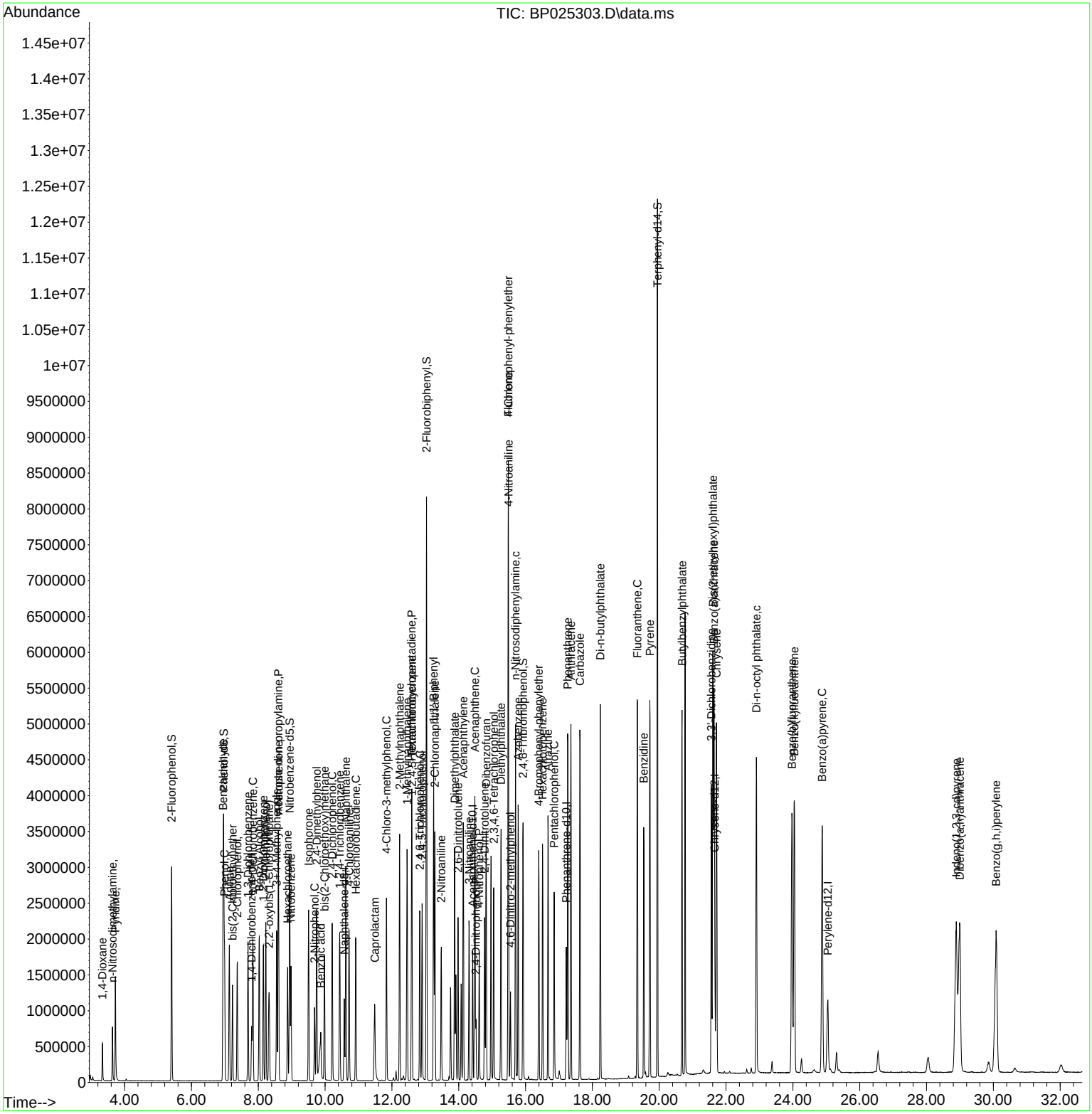
(#) = qualifier out of range (m) = manual integration (+) = signals summed

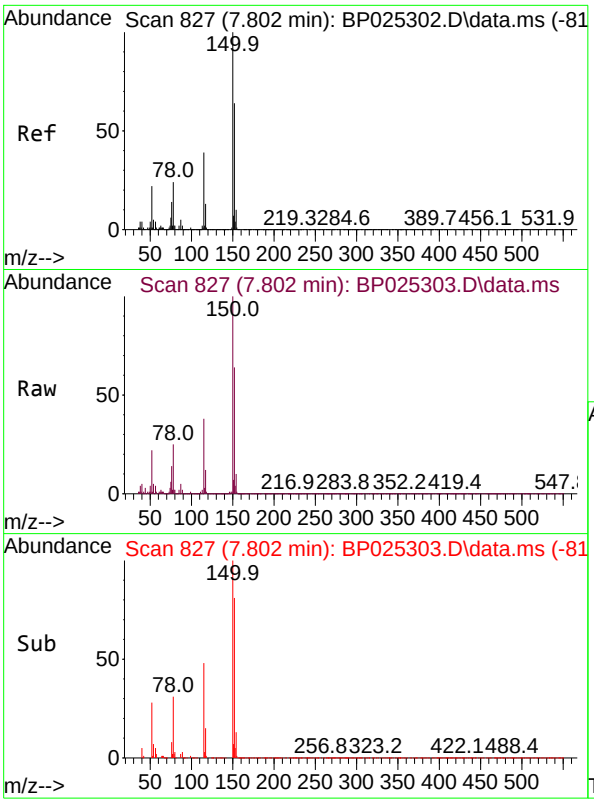
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025303.D
Acq On : 05 Aug 2025 15:28
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 06 06:02:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



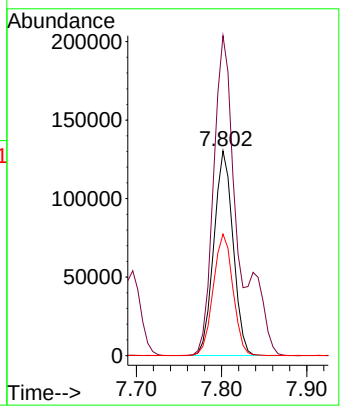


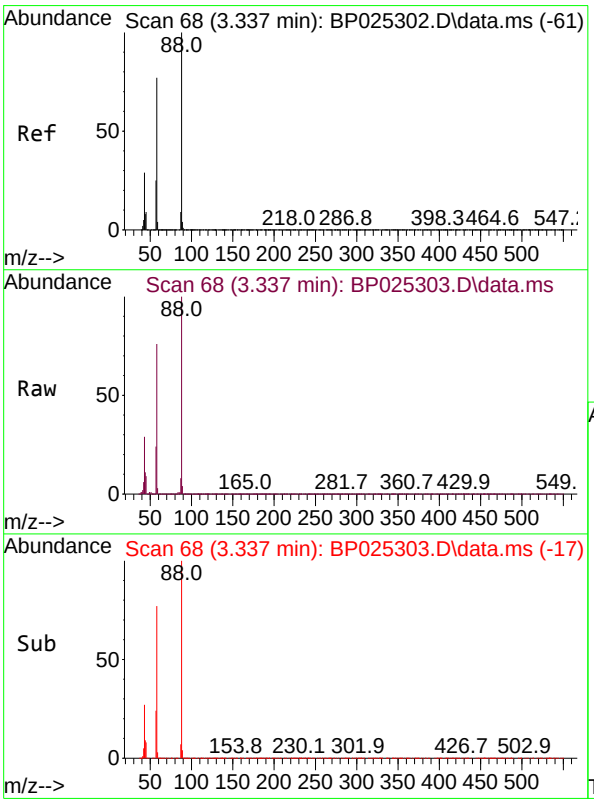
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 204129

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.1	187.7
115	59.4	48.4	72.6

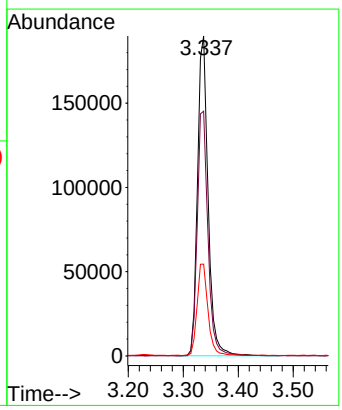


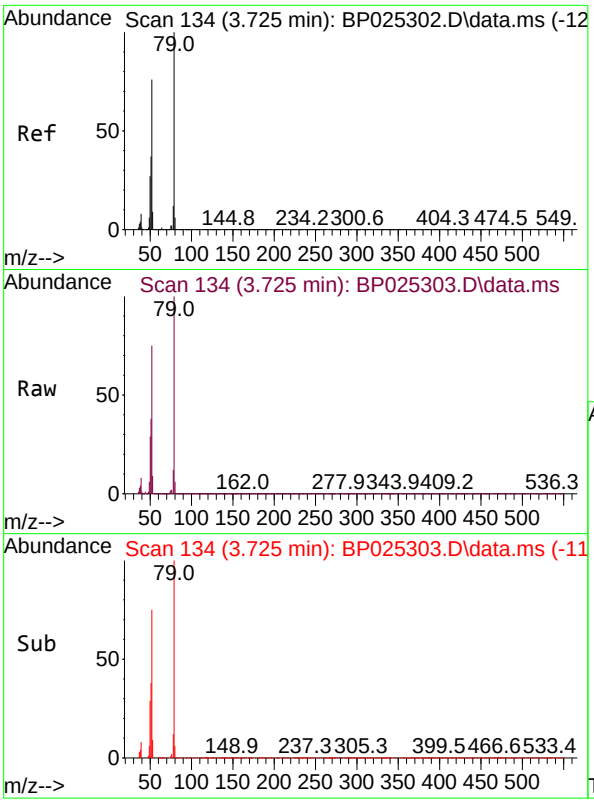


#2
1,4-Dioxane
Concen: 50.482 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 88 Resp: 252837

Ion	Ratio	Lower	Upper
88	100		
58	77.7	61.9	92.9
43	29.6	24.2	36.2



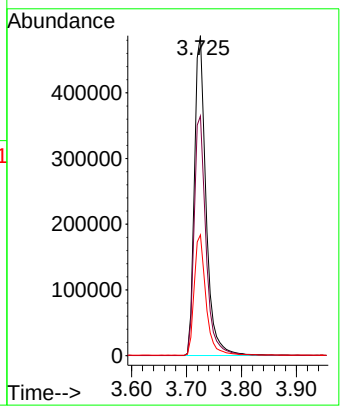


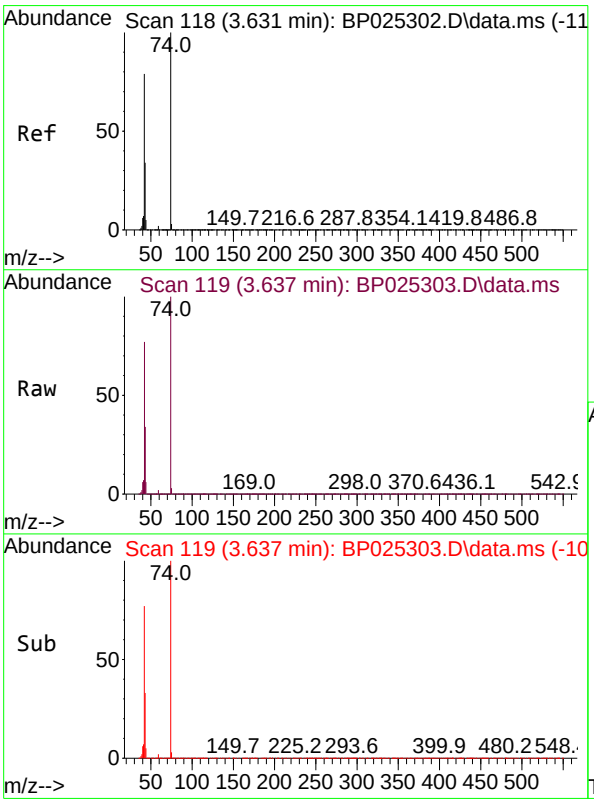
#3
Pyridine
Concen: 51.596 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 717966

Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.7	30.2	45.2

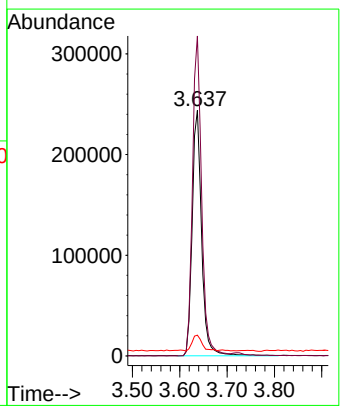


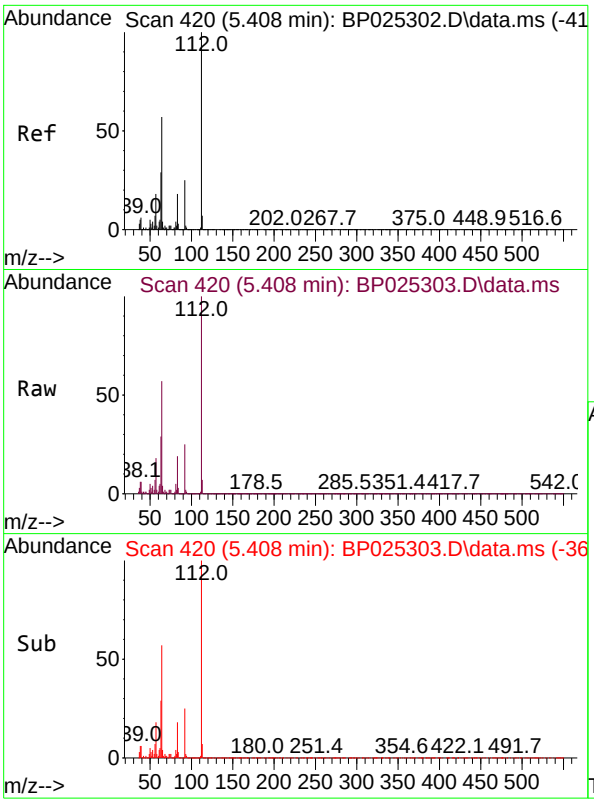


#4
n-Nitrosodimethylamine
Concen: 52.181 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 42 Resp: 337100

Ion	Ratio	Lower	Upper
42	100		
74	130.4	101.4	152.2
44	8.4	7.6	11.4



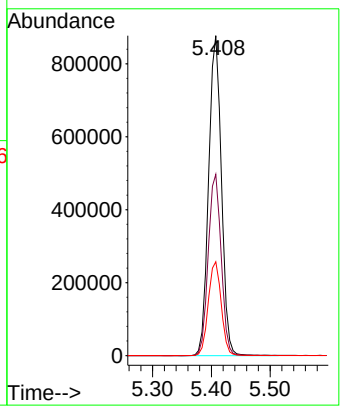


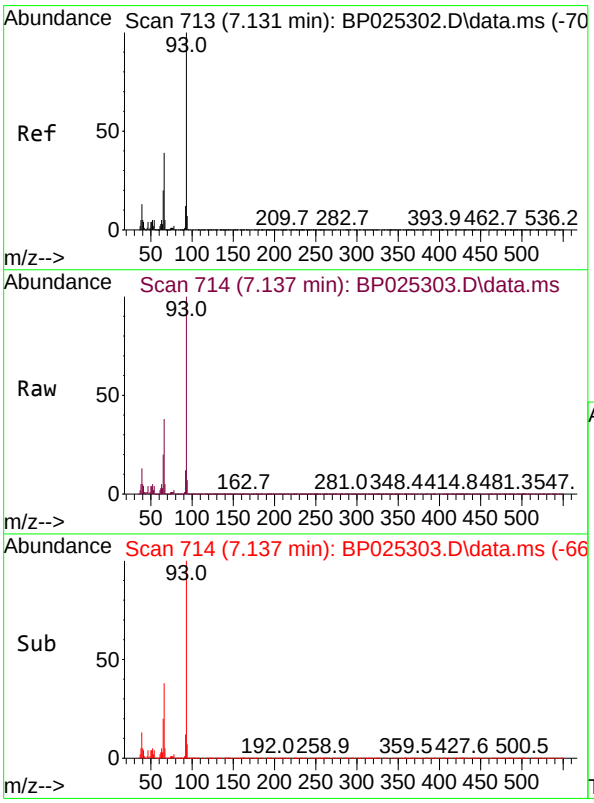
#5
2-Fluorophenol
Concen: 103.607 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1323492

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	29.3	23.0	34.6

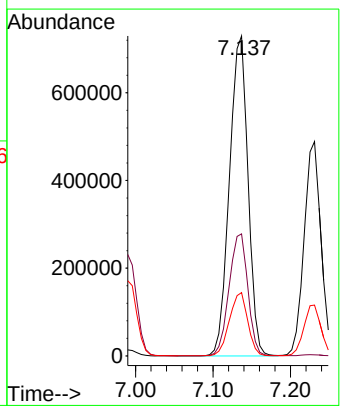


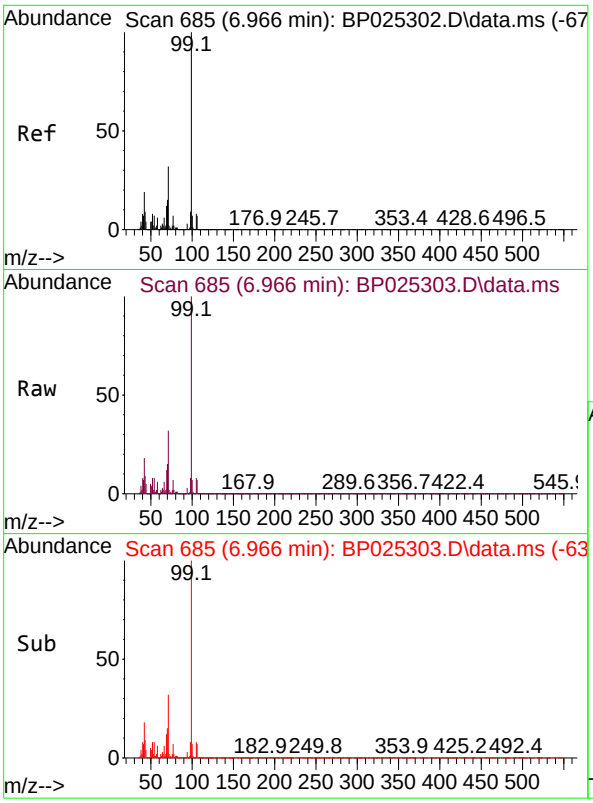


#6
Aniline
Concen: 53.084 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1217200

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.1	46.7
65	19.8	15.8	23.8



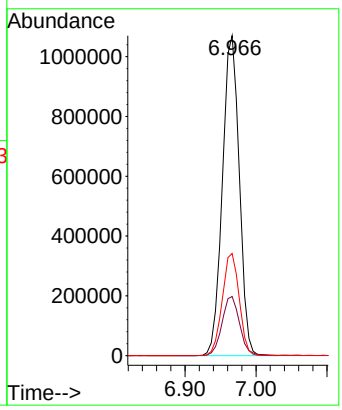


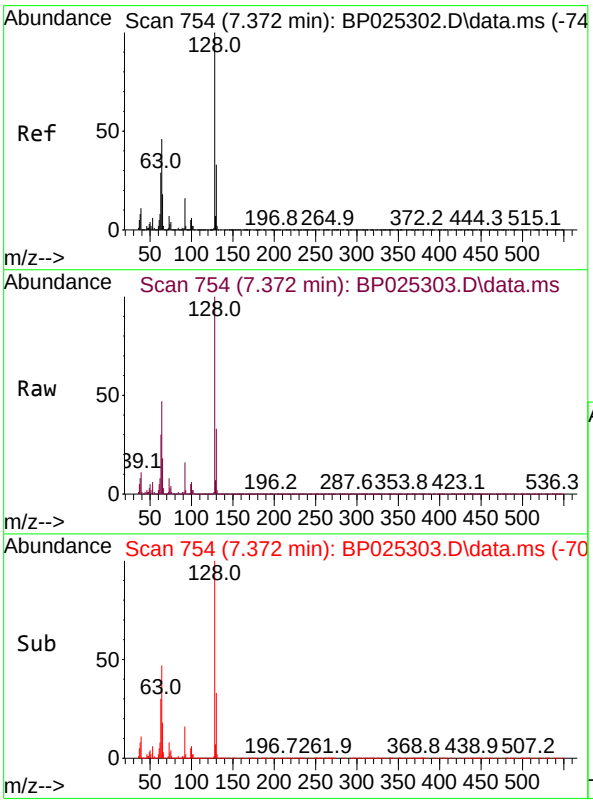
#7
Phenol-d6
Concen: 105.044 ng
RT: 6.966 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1770084

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.6
71	32.0	25.5	38.3

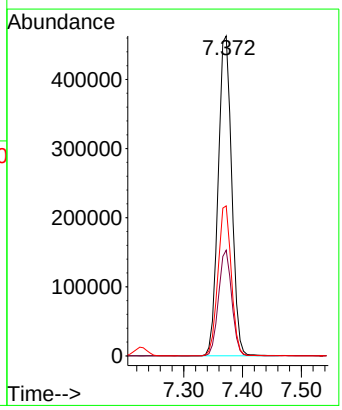


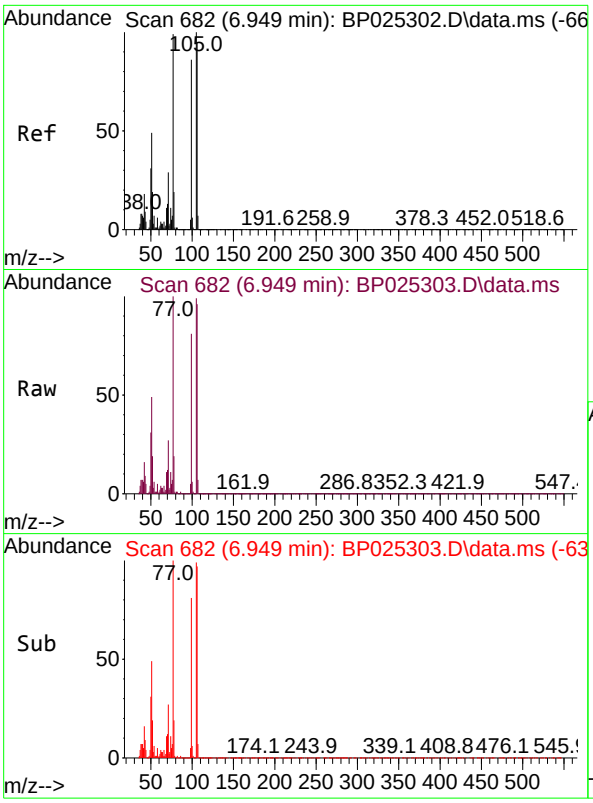


#8
2-Chlorophenol
Concen: 53.306 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:128 Resp: 740540

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	46.9	26.1	66.1



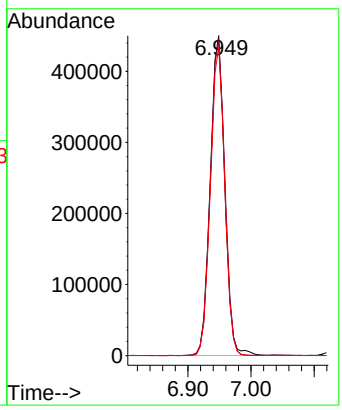


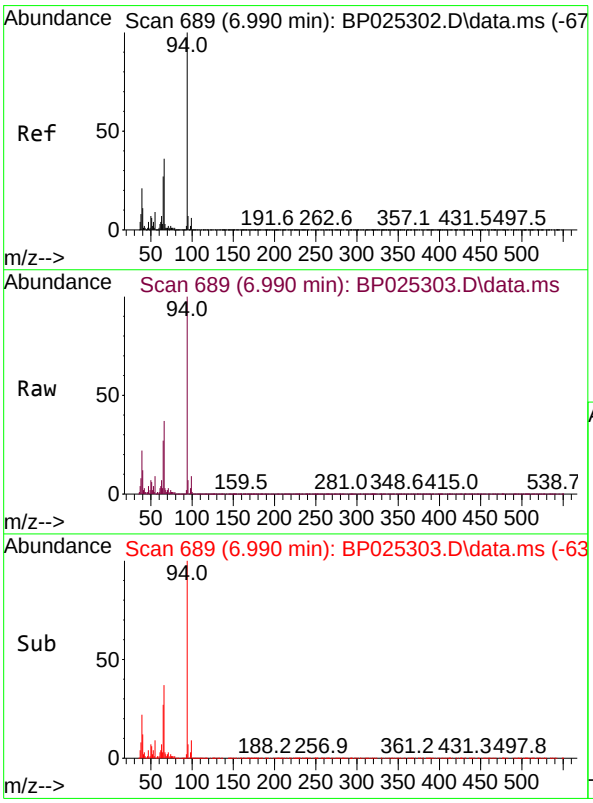
#9
Benzaldehyde
Concen: 60.611 ng
RT: 6.949 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 719072

Ion	Ratio	Lower	Upper
77	100		
105	98.6	81.4	121.4
106	96.5	76.2	116.2

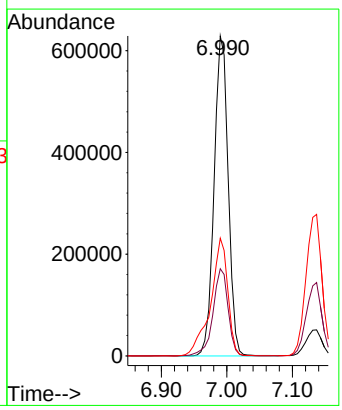


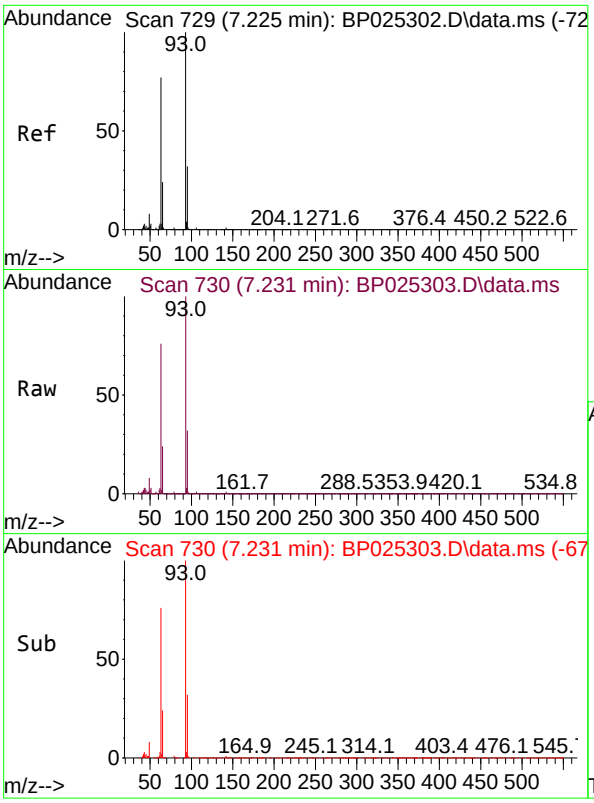


#10
Phenol
Concen: 52.642 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 94 Resp: 940803

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	36.8	15.7	55.7



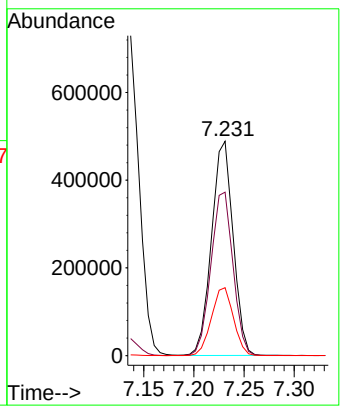


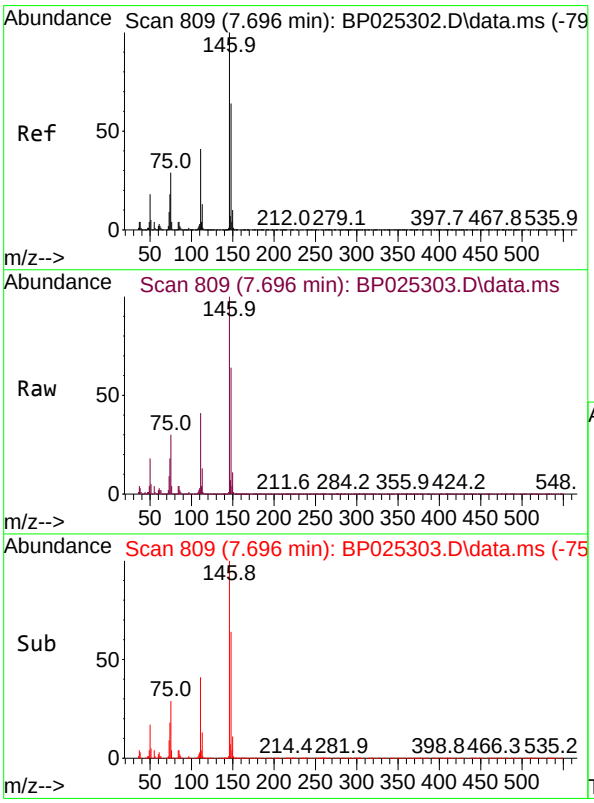
#11
bis(2-Chloroethyl)ether
Concen: 52.476 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 734824

Ion	Ratio	Lower	Upper
93	100		
63	76.2	57.0	97.0
95	31.6	12.1	52.1

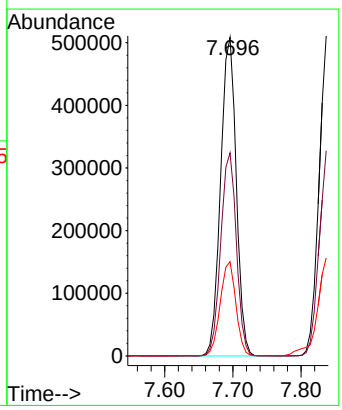


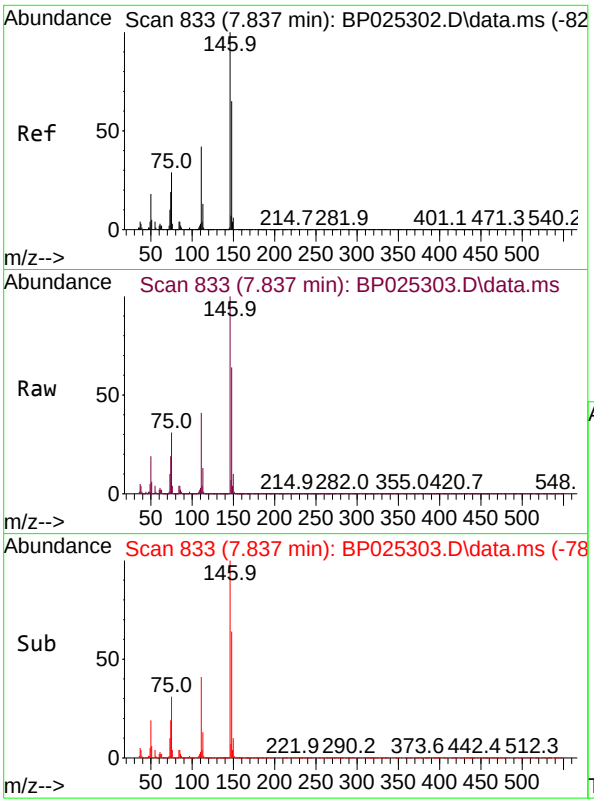


#12
1,3-Dichlorobenzene
Concen: 51.499 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 803898

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
75	29.6	23.2	34.8



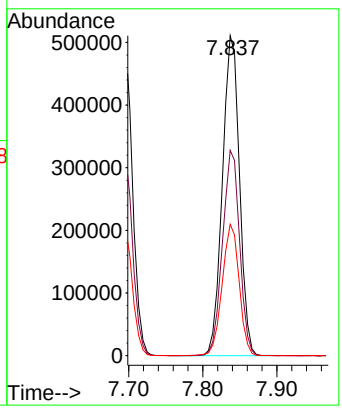


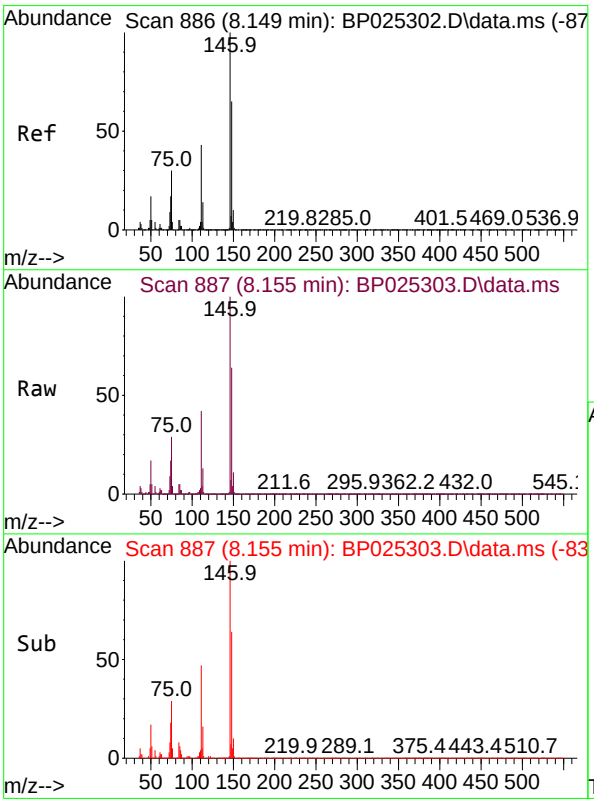
#13
1,4-Dichlorobenzene
Concen: 51.745 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 817189

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.0	78.0
111	41.0	33.2	49.8

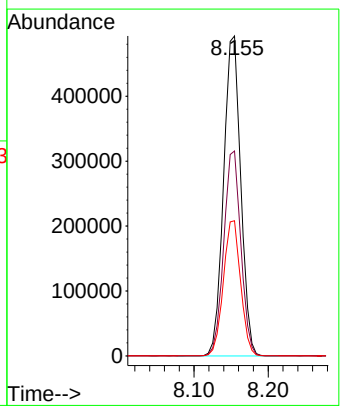


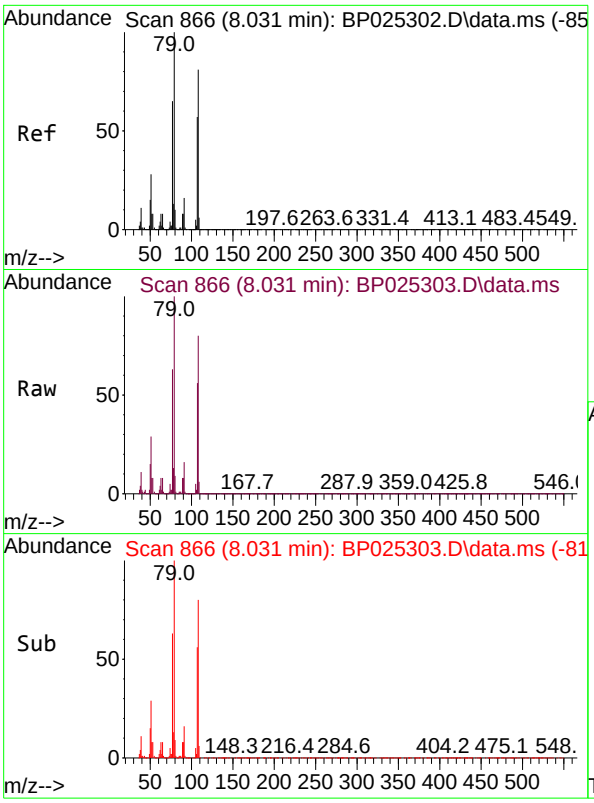


#14
1,2-Dichlorobenzene
Concen: 51.749 ng
RT: 8.155 min Scan# 887
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:146 Resp: 791692

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	42.2	34.4	51.6



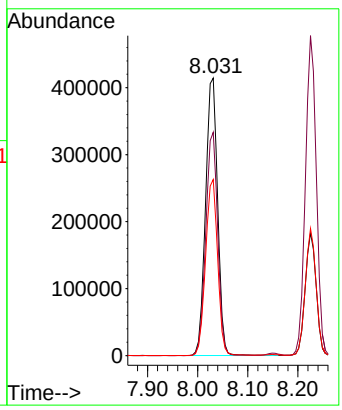


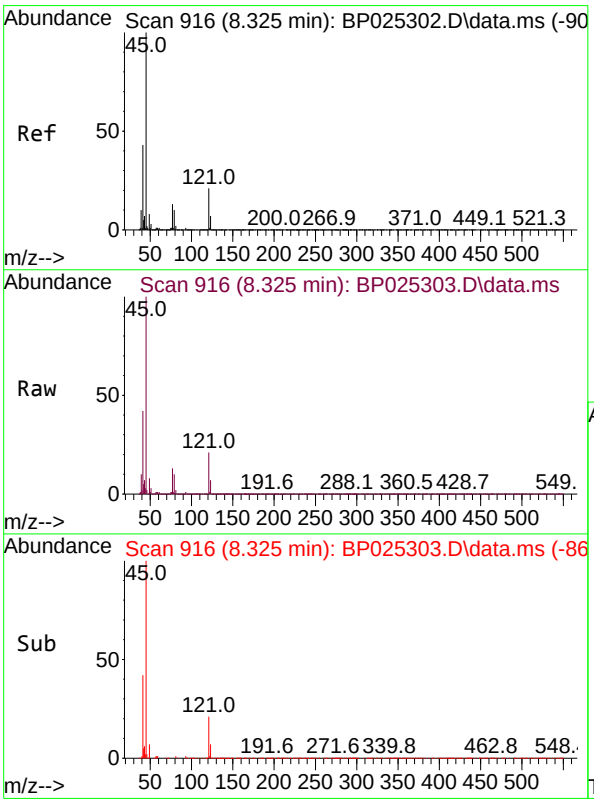
#15
Benzyl Alcohol
Concen: 53.573 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 693643

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	63.5	51.9	77.9

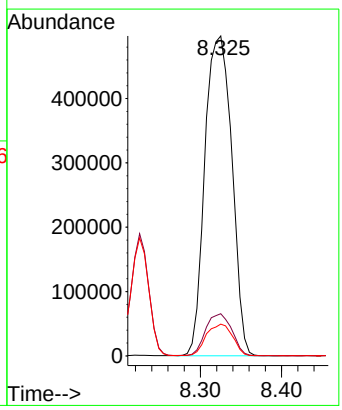


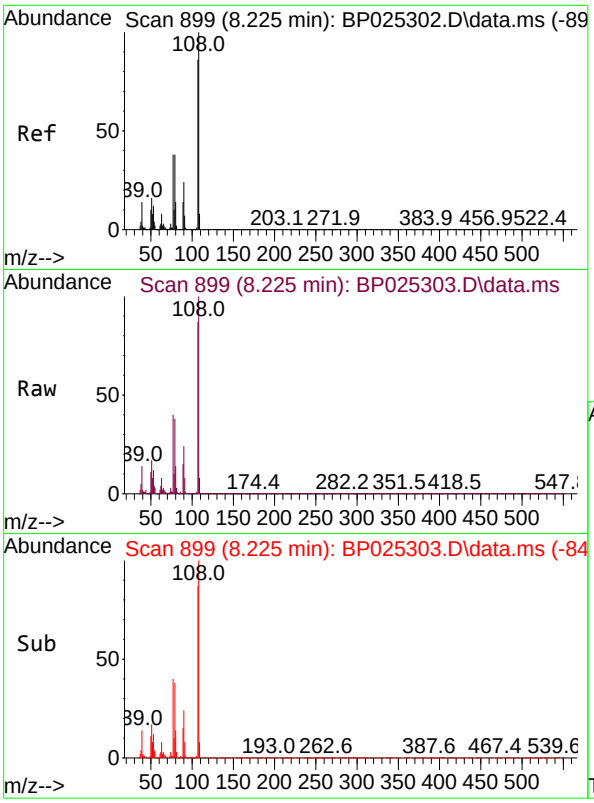


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.937 ng
RT: 8.325 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 45 Resp: 1148882

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.0
79	9.9	0.0	29.8



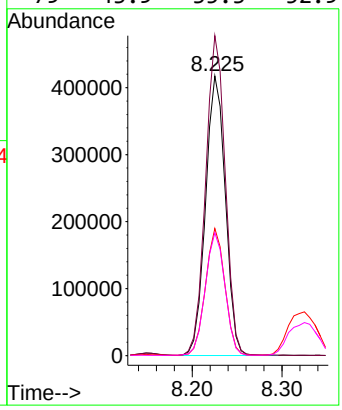


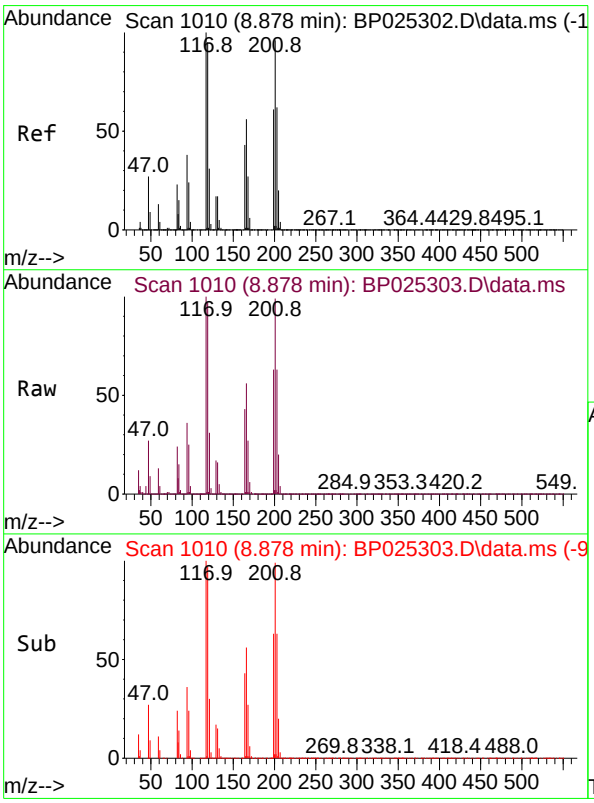
#17
2-Methylphenol
Concen: 53.483 ng
RT: 8.225 min Scan# 89
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 639575

Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.6	139.0
77	45.5	35.4	53.2
79	43.9	35.3	52.9

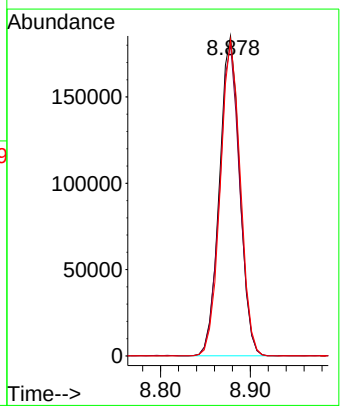


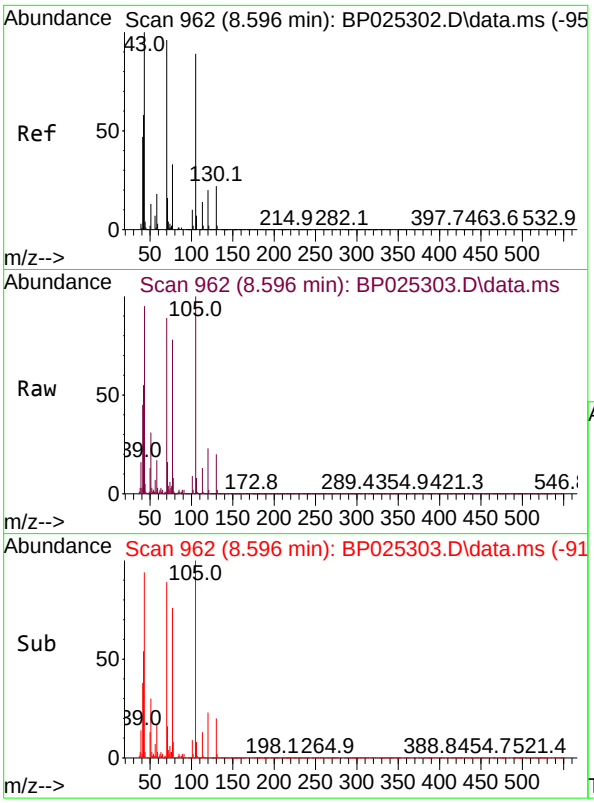


#18
Hexachloroethane
Concen: 51.649 ng
RT: 8.878 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:117 Resp: 291706

Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.8	113.8
201	98.9	76.6	114.8



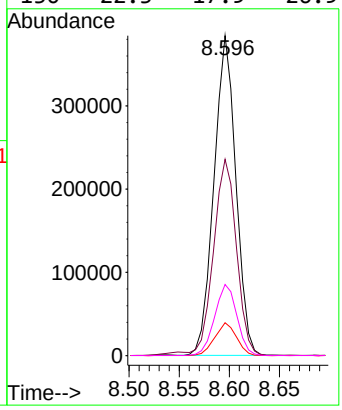


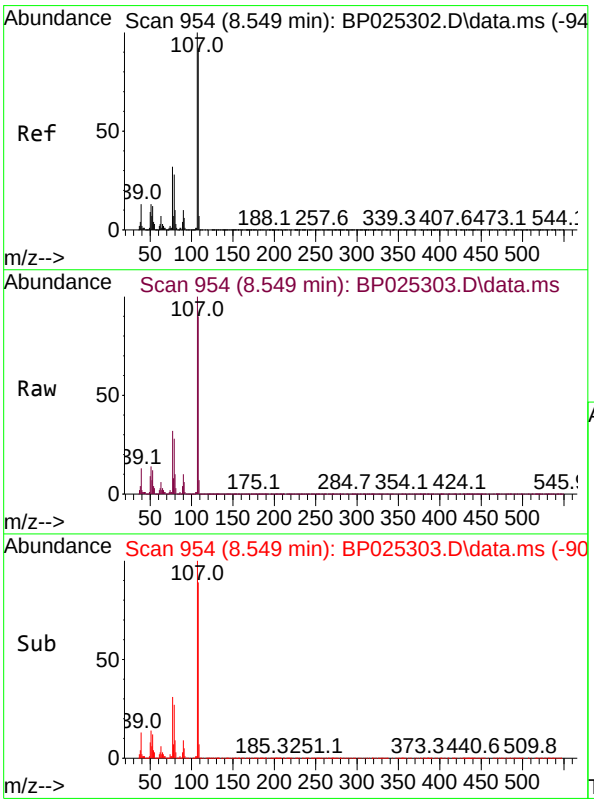
#19
n-Nitroso-di-n-propylamine
Concen: 53.300 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 584940

Ion	Ratio	Lower	Upper
70	100		
42	61.3	49.4	74.0
101	10.3	7.9	11.9
130	22.3	17.9	26.9

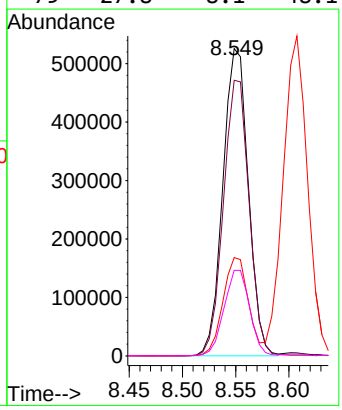


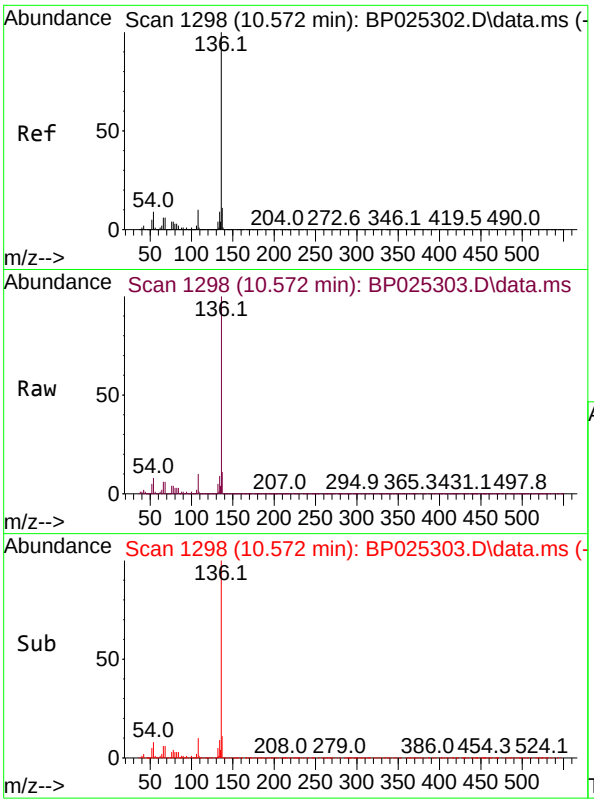


#20
3+4-Methylphenols
Concen: 53.075 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 873995

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.9	111.9
77	32.0	12.0	52.0
79	27.8	8.1	48.1



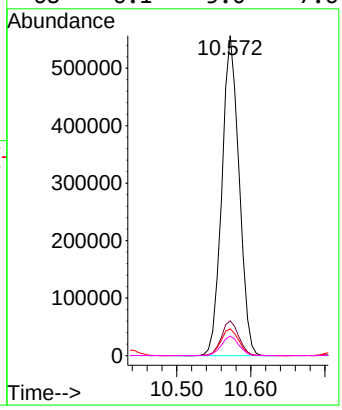


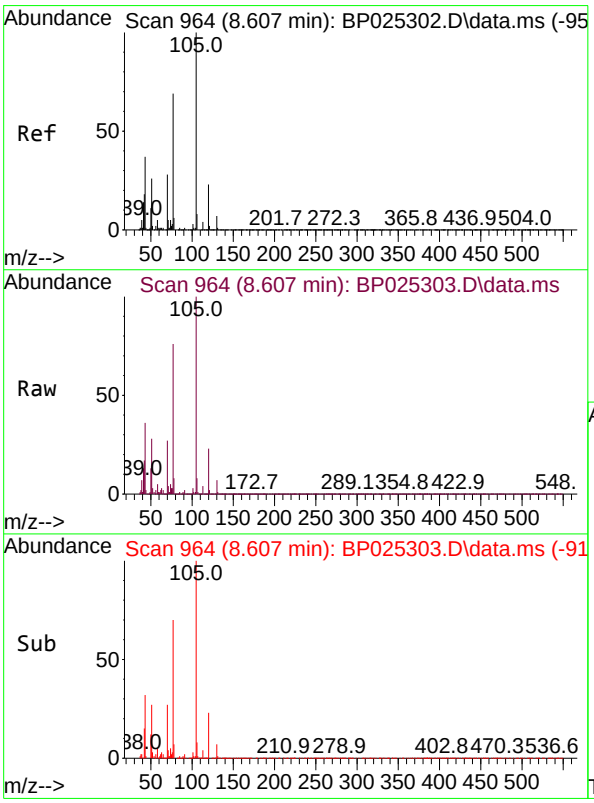
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 895271

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	7.0	10.6
68	6.1	5.0	7.6

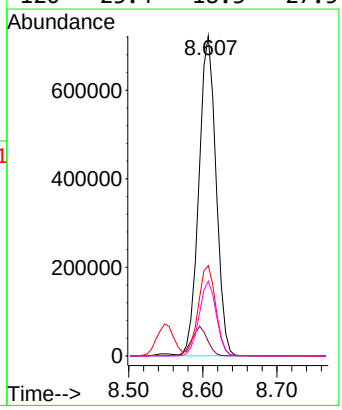


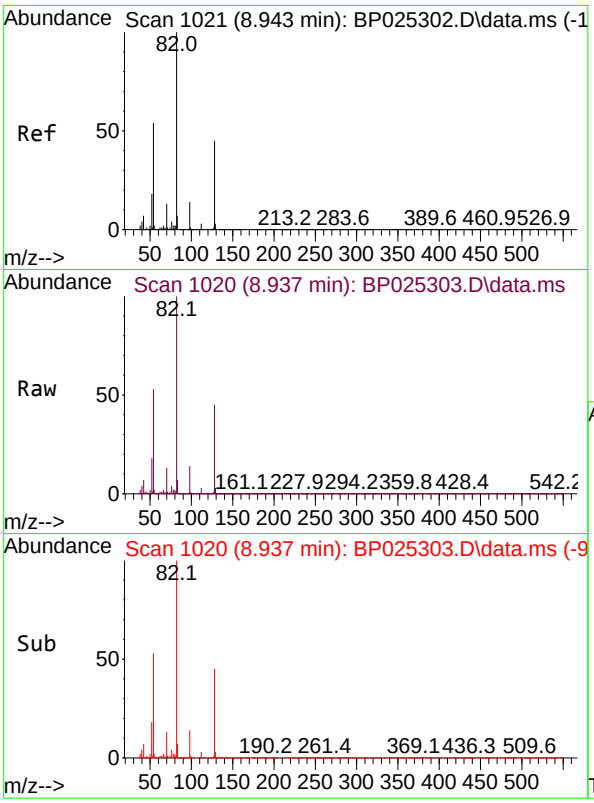


#22
Acetophenone
Concen: 51.524 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:105 Resp: 1157990

Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.1	6.1
51	28.2	22.7	34.1
120	23.4	18.3	27.5



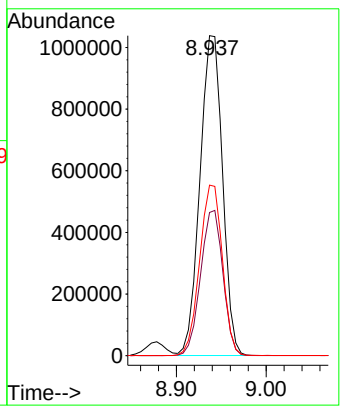


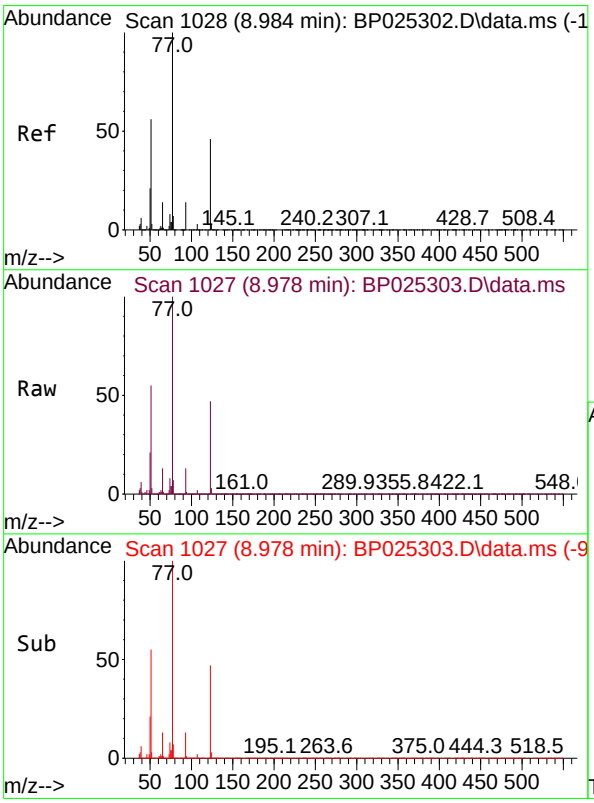
#23
Nitrobenzene-d5
Concen: 110.005 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1820226

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.4	53.2
54	53.3	42.9	64.3

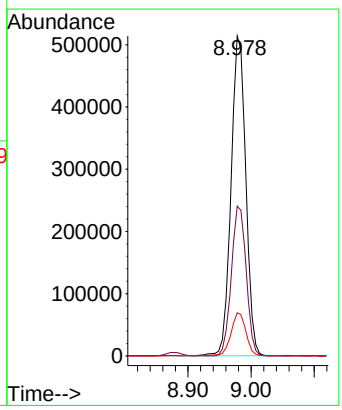


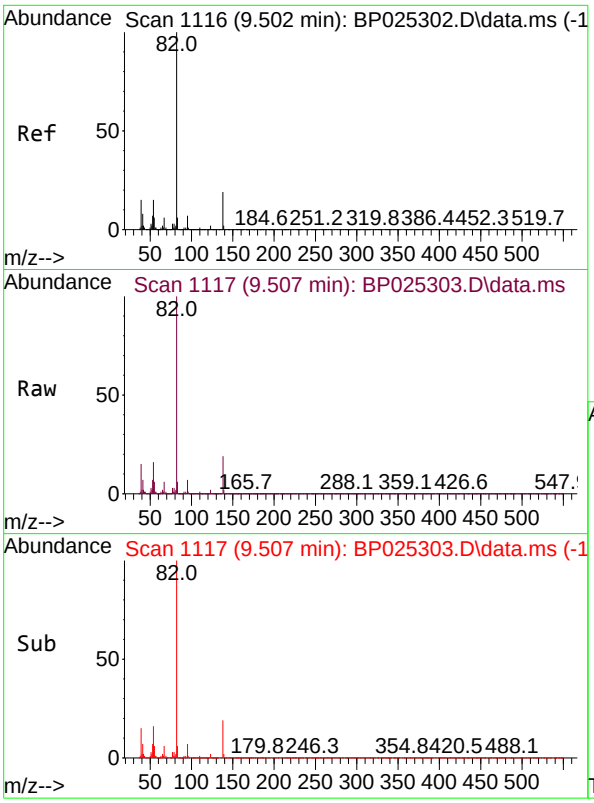


#24
Nitrobenzene
Concen: 54.626 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 77 Resp: 835622

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	13.5	11.1	16.7



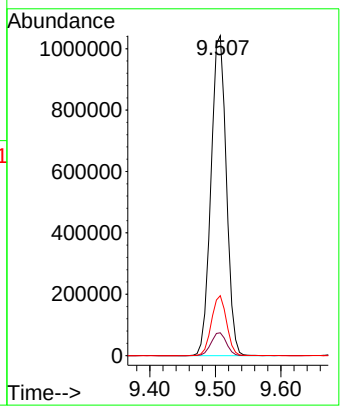


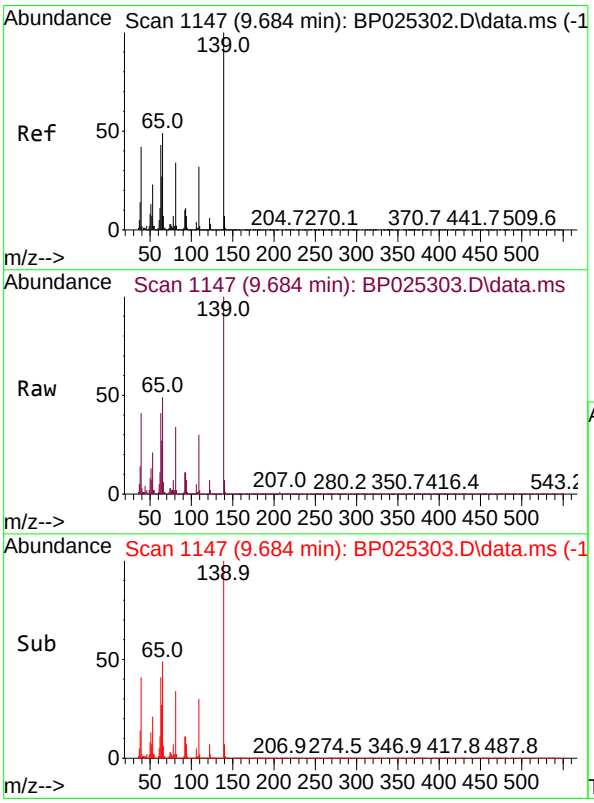
#25
Isophorone
Concen: 52.827 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1699294

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.7	15.0	22.6

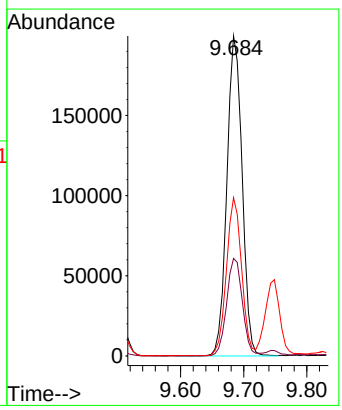


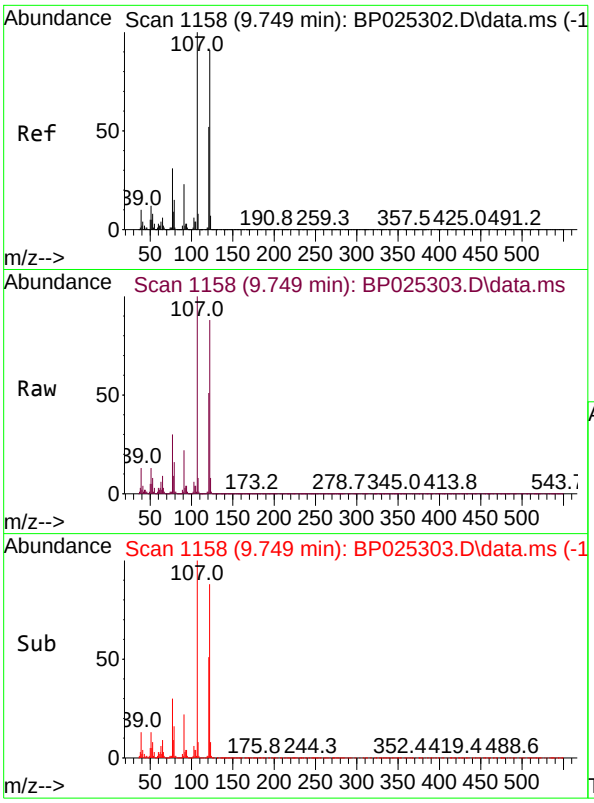


#26
2-Nitrophenol
Concen: 49.999 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 334267

Ion	Ratio	Lower	Upper
139	100		
109	30.5	25.2	37.8
65	49.4	39.6	59.4



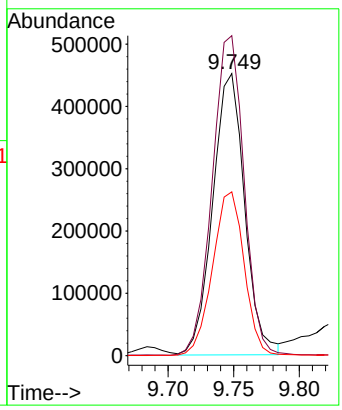


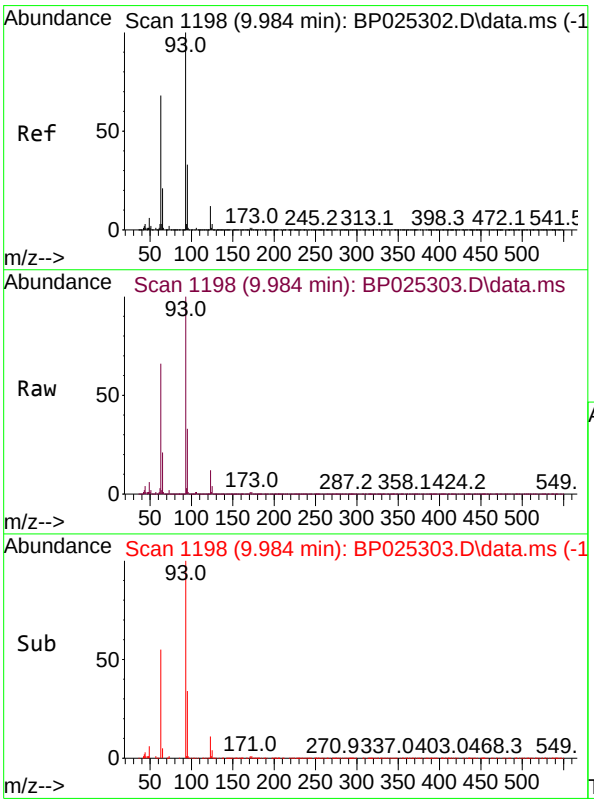
#27
2,4-Dimethylphenol
Concen: 51.553 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 764549

Ion	Ratio	Lower	Upper
122	100		
107	113.5	87.4	131.0
121	58.1	45.8	68.8

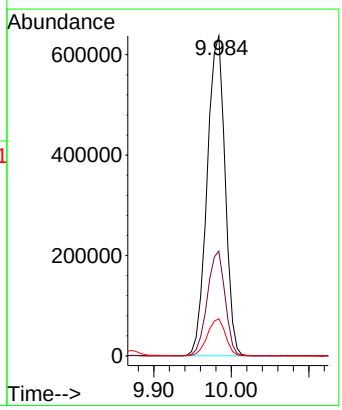


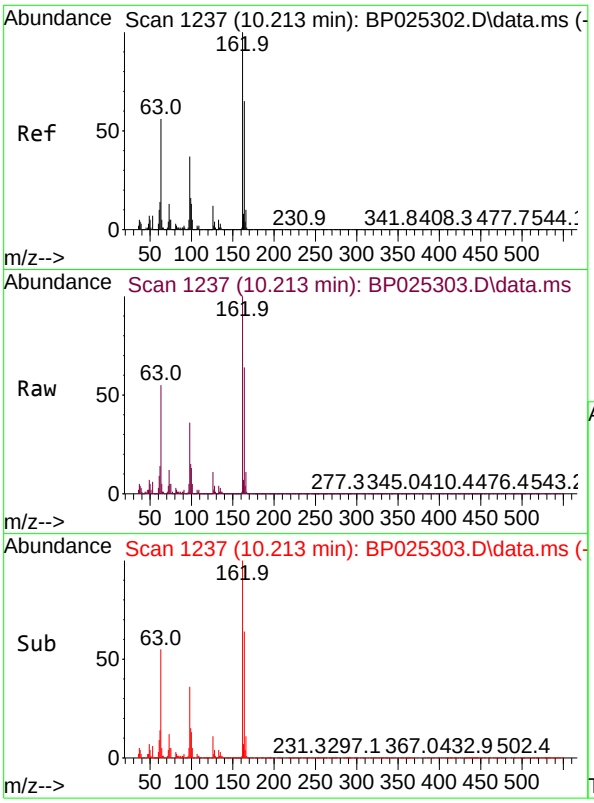


#28
bis(2-Chloroethoxy)methane
Concen: 52.308 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 93 Resp: 1023578

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	11.6	9.4	14.2



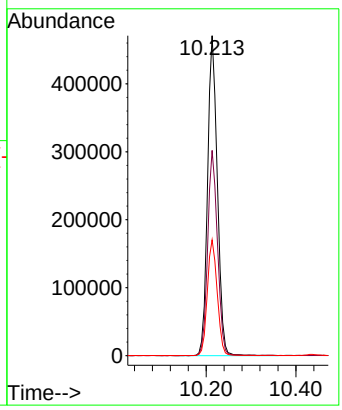


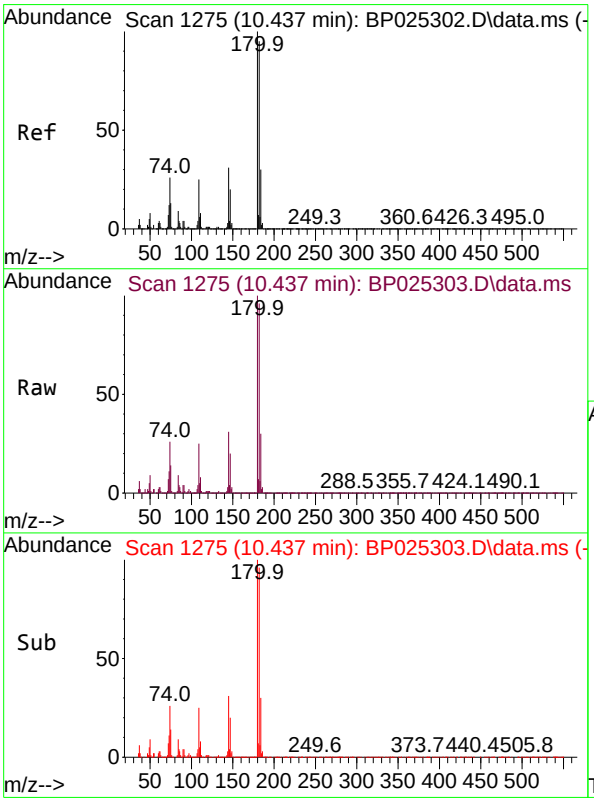
#29
2,4-Dichlorophenol
Concen: 54.711 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 710356

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.2	85.2
98	36.2	17.5	57.5

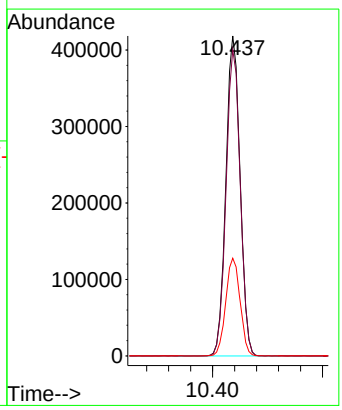


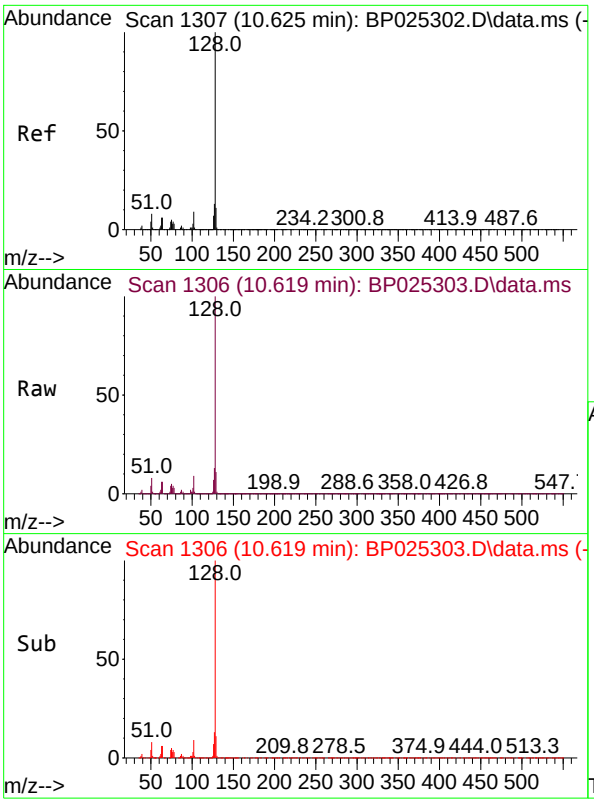


#30
1,2,4-Trichlorobenzene
Concen: 52.150 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:180 Resp: 747003

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	30.5	25.0	37.4



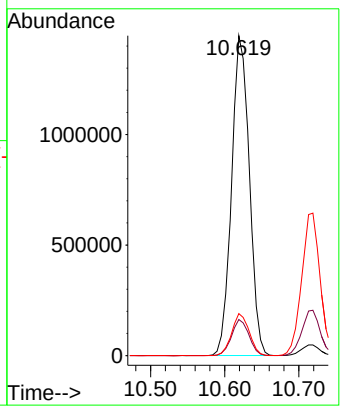


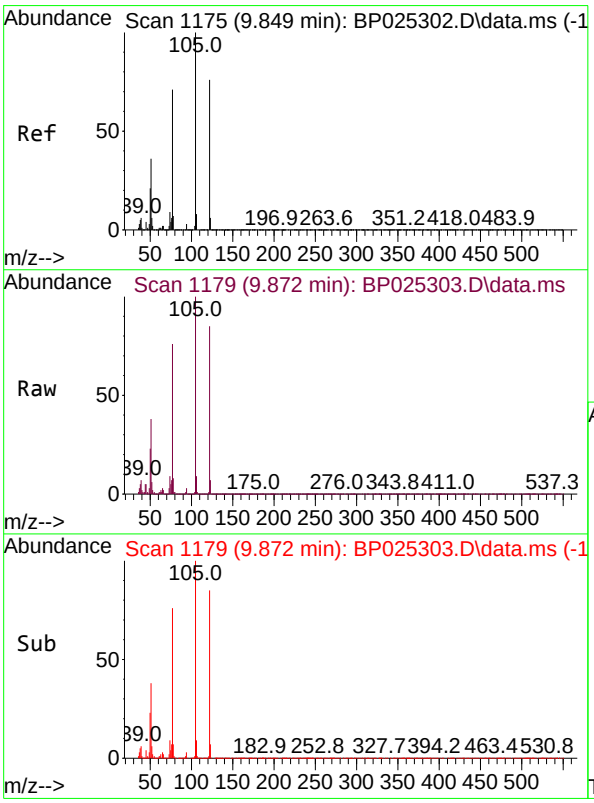
#31
Naphthalene
Concen: 51.746 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2404950

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.4	15.6

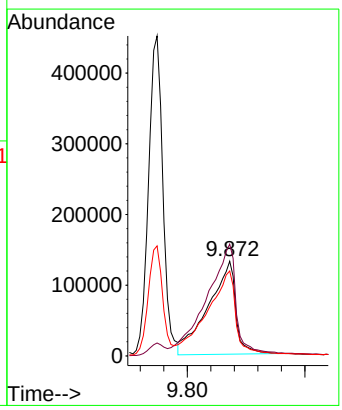


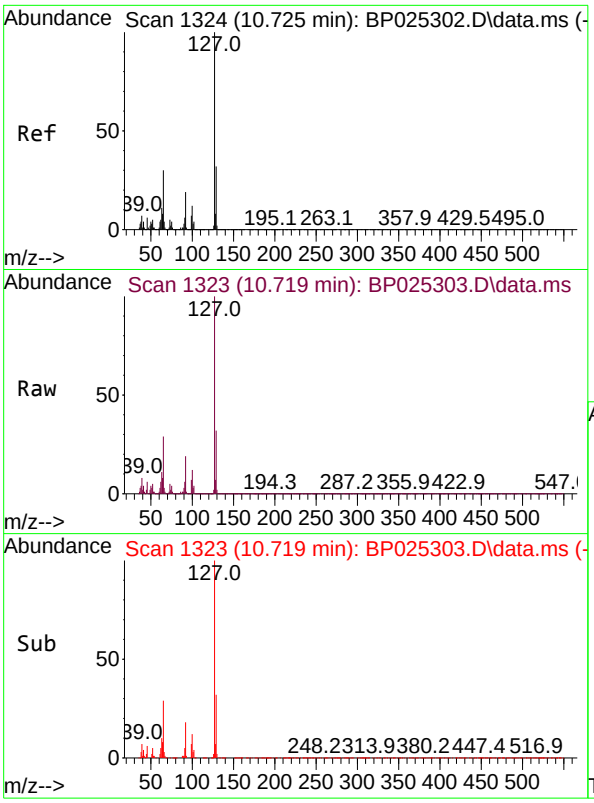


#32
Benzoic acid
Concen: 49.747 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:122 Resp: 427207

Ion	Ratio	Lower	Upper
122	100		
105	118.0	104.0	144.0
77	89.7	71.8	111.8



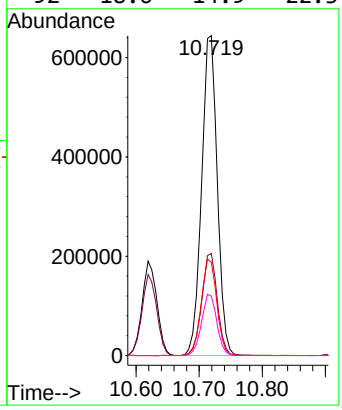


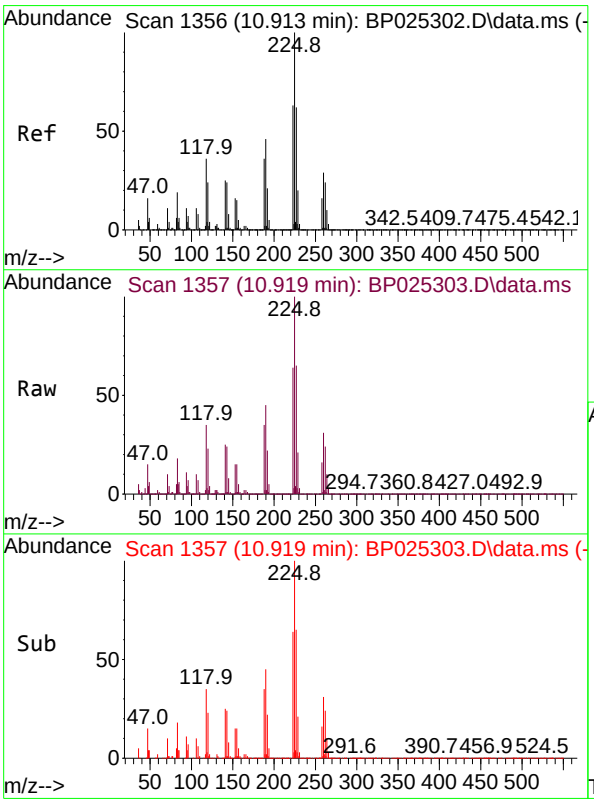
#33
4-Chloroaniline
Concen: 53.624 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1108429

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	29.2	23.6	35.4
92	18.6	14.9	22.3

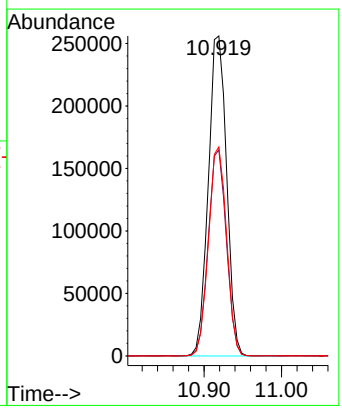


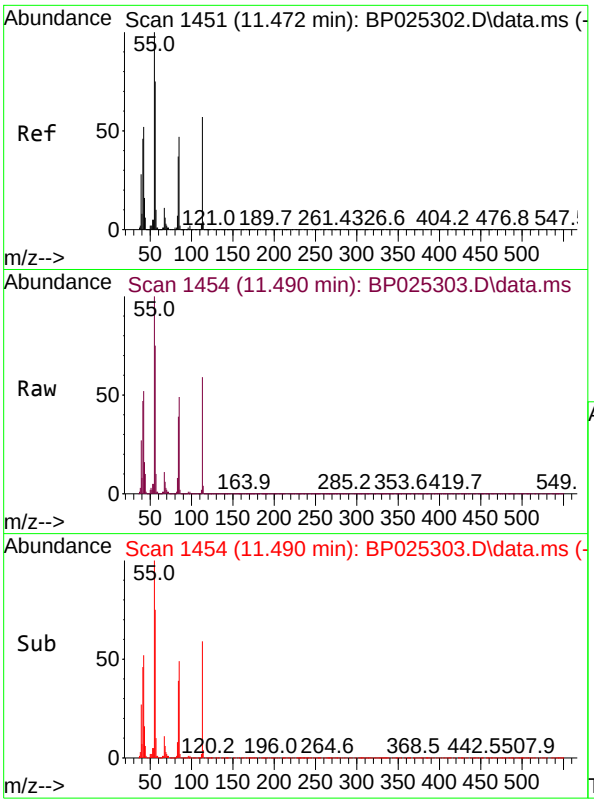


#34
Hexachlorobutadiene
Concen: 51.144 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:225 Resp: 420532

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.3	75.5
227	65.3	49.7	74.5



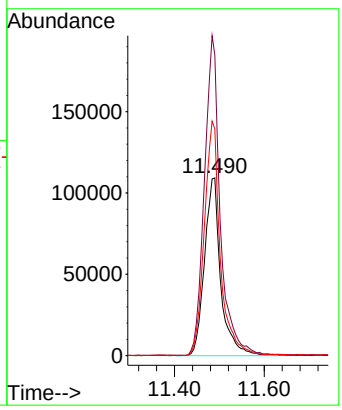


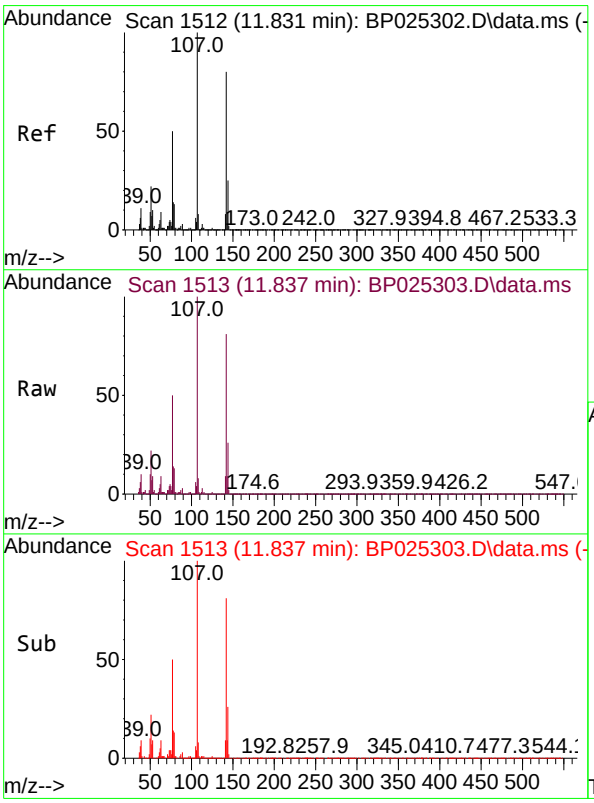
#35
Caprolactam
Concen: 54.273 ng
RT: 11.490 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 273974

Ion	Ratio	Lower	Upper
113	100		
55	169.0	154.4	194.4
56	127.5	110.9	150.9

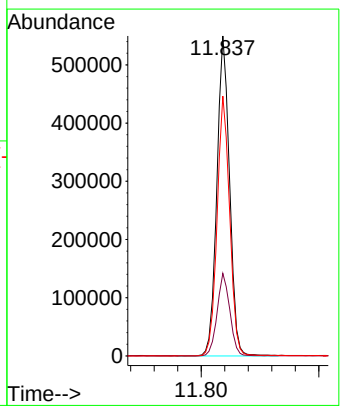


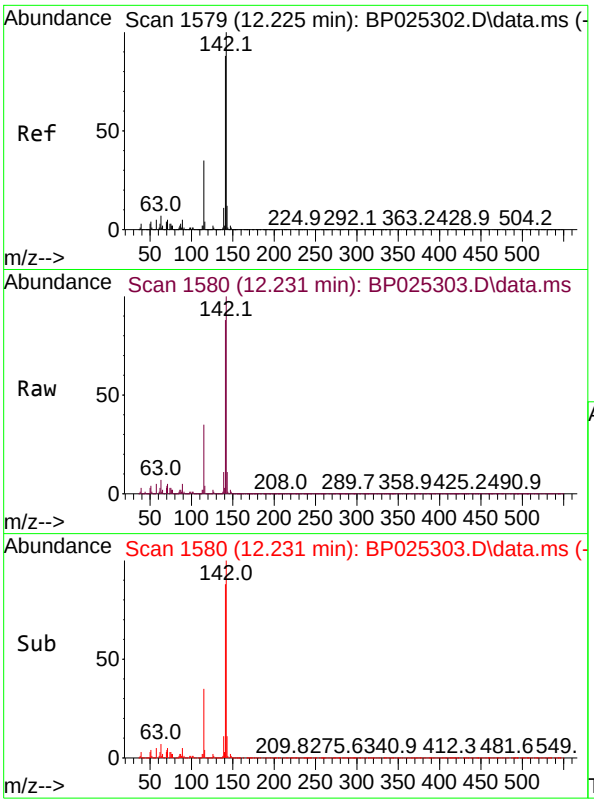


#36
4-Chloro-3-methylphenol
Concen: 54.768 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:107 Resp: 822806

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.4	30.6
142	81.2	63.7	95.5



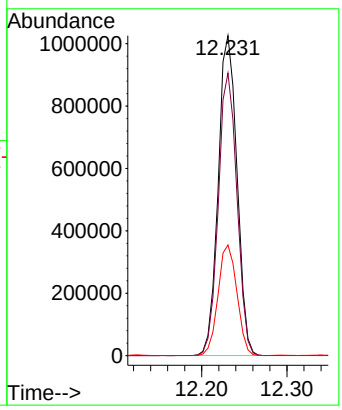


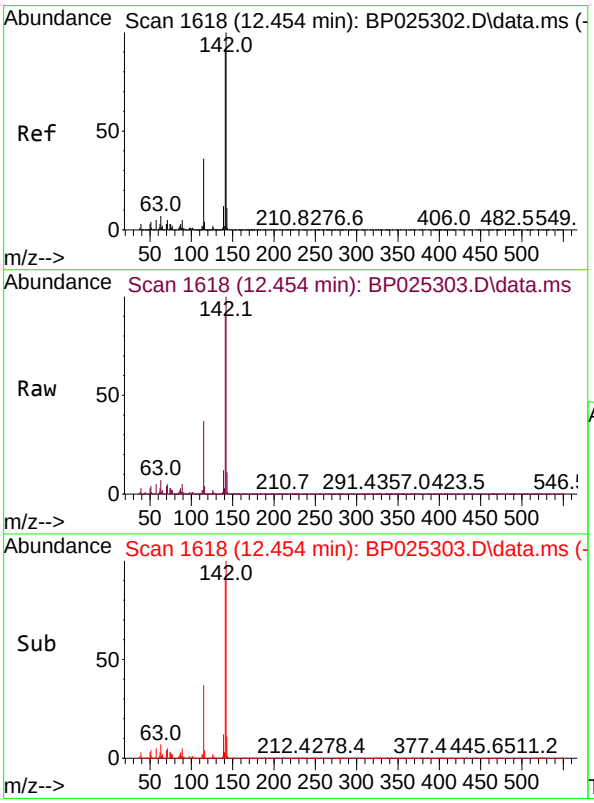
#37
2-Methylnaphthalene
Concen: 52.175 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1569525

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	34.6	28.0	42.0

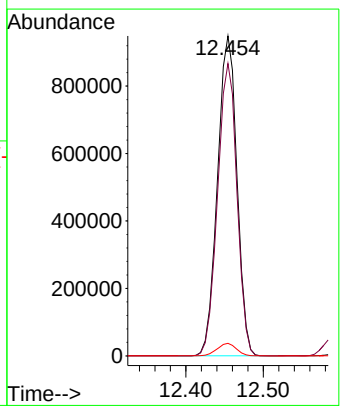


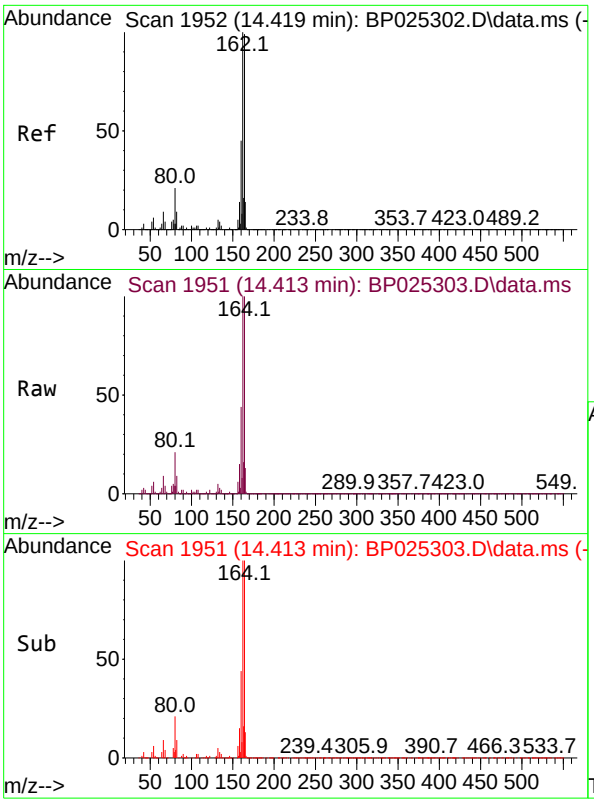


#38
1-Methylnaphthalene
Concen: 52.701 ng
RT: 12.454 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:142 Resp: 1654175

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.0	109.6
116	3.9	3.0	4.6



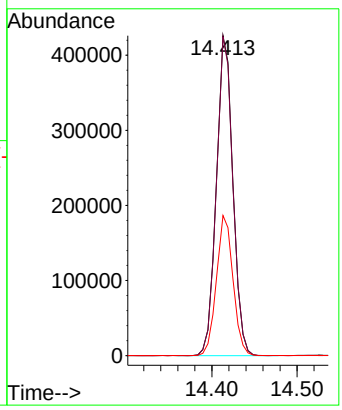


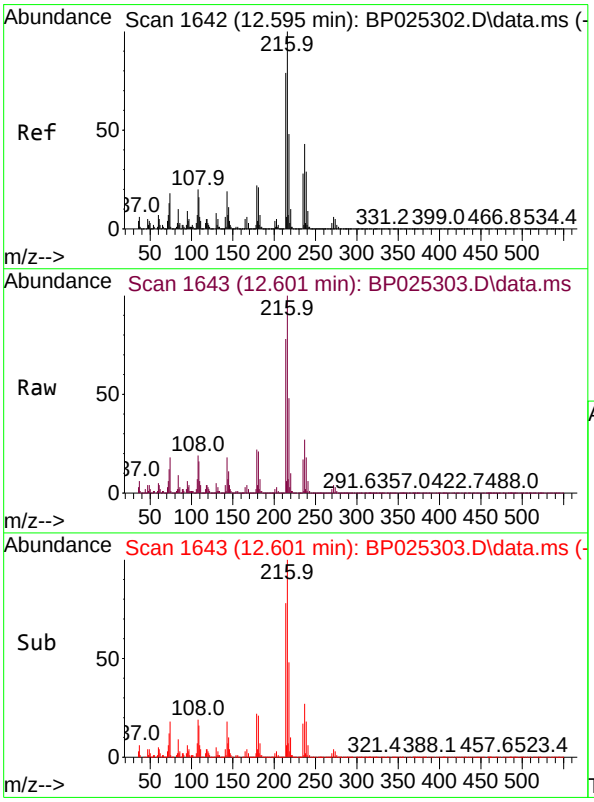
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 571612

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.8	35.9	53.9

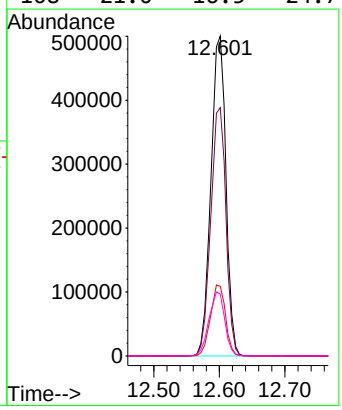


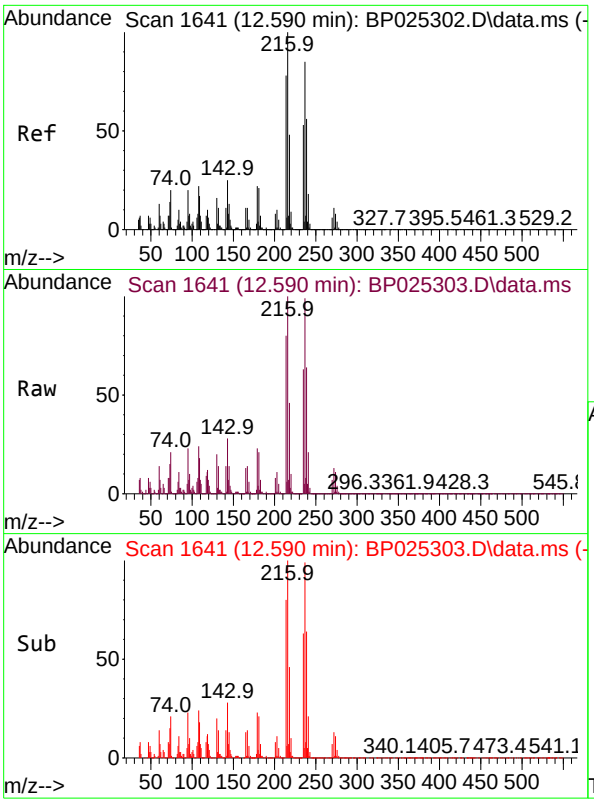


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.962 ng
RT: 12.601 min Scan# 1643
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:216 Resp: 795310

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.4	93.6
179	22.2	17.5	26.3
108	21.0	16.5	24.7



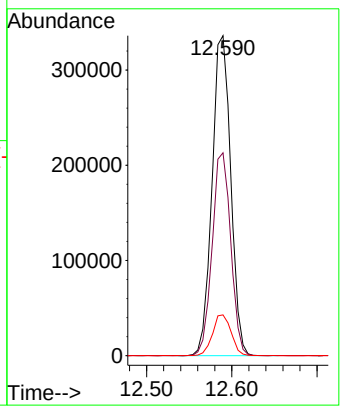


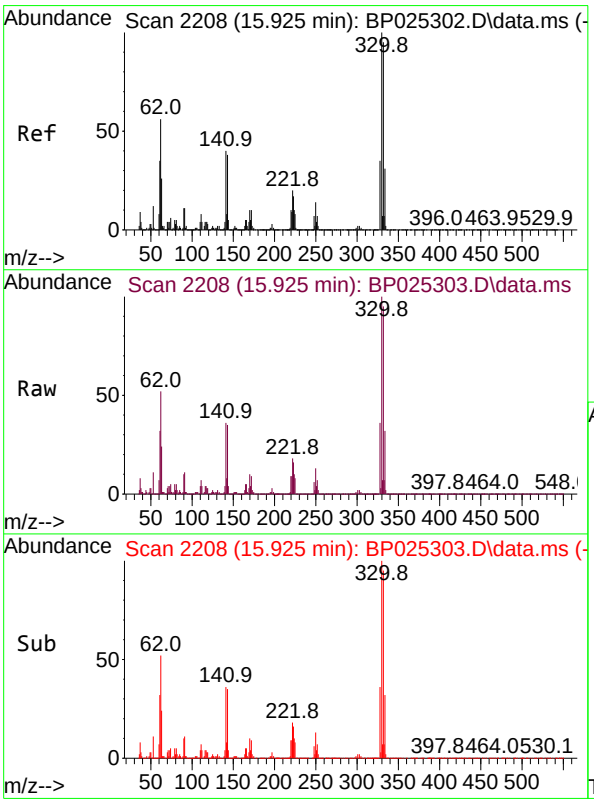
#41
Hexachlorocyclopentadiene
Concen: 53.061 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 511069

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.2	82.2
272	12.8	0.0	32.8

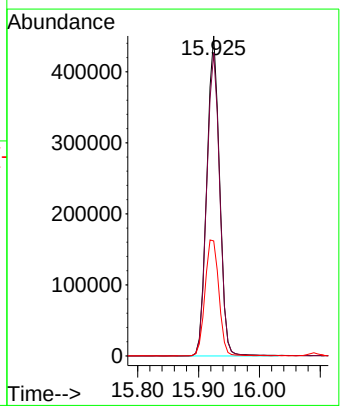


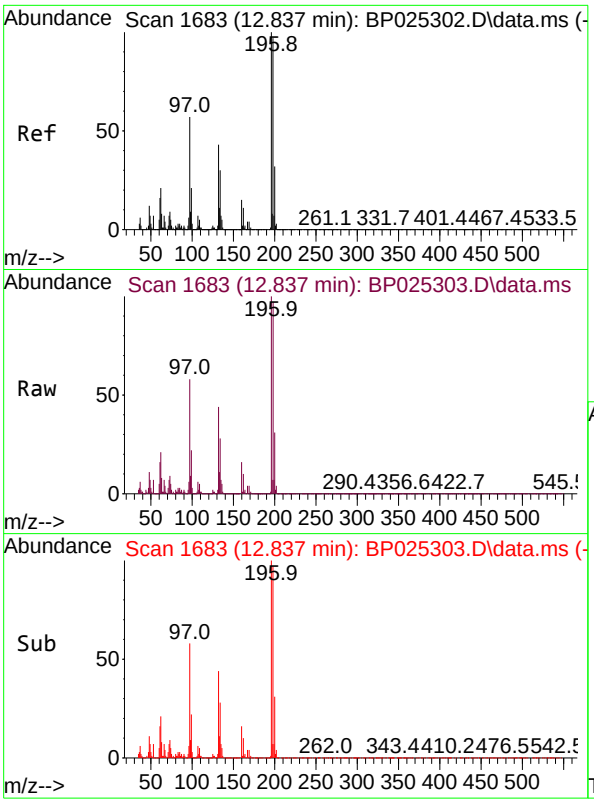


#42
2,4,6-Tribromophenol
Concen: 110.884 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:330 Resp: 654420

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.3	31.7	47.5



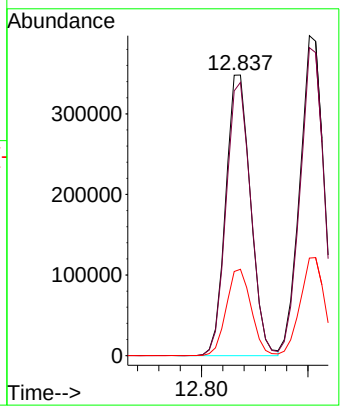


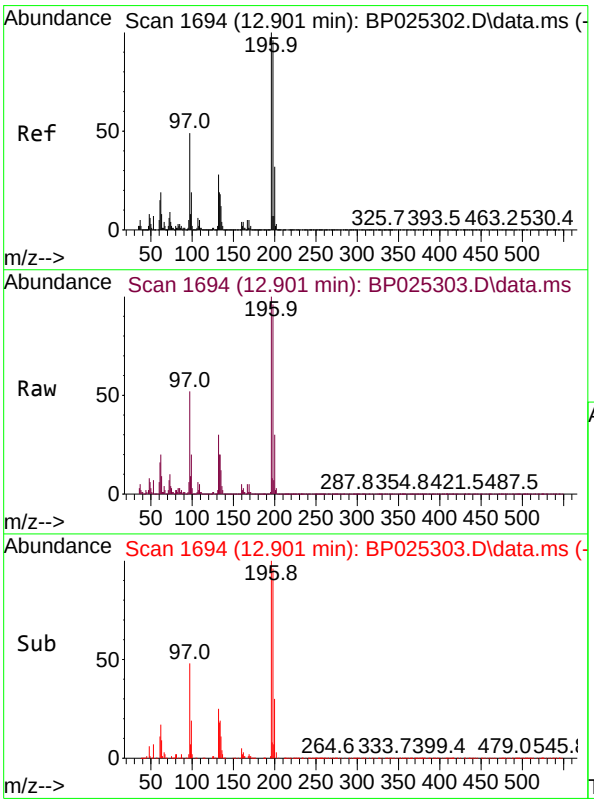
#43
2,4,6-Trichlorophenol
Concen: 56.046 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 565018

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.3	115.9
200	30.8	25.4	38.2

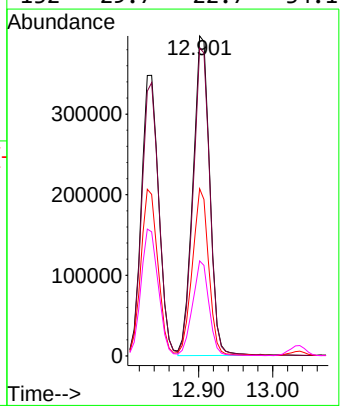


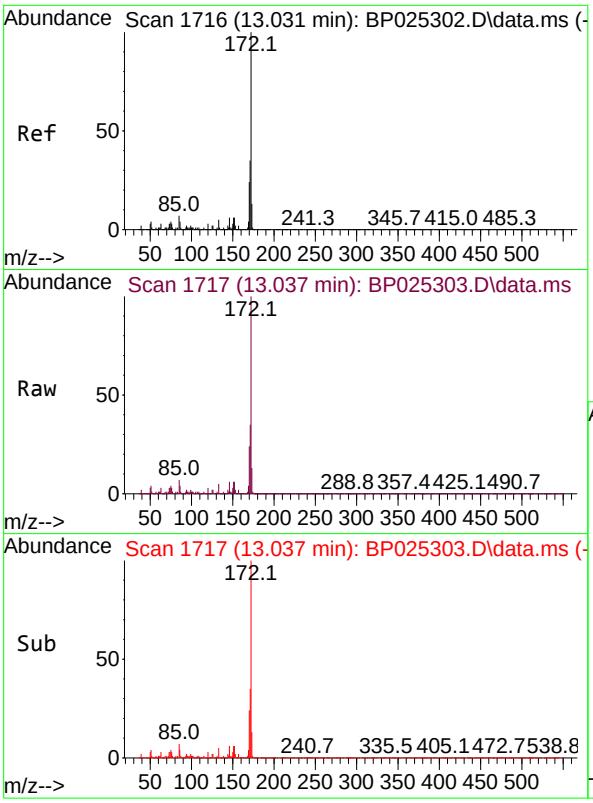


#44
2,4,5-Trichlorophenol
Concen: 55.243 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:196 Resp: 624750

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
97	52.2	39.5	59.3
132	29.7	22.7	34.1



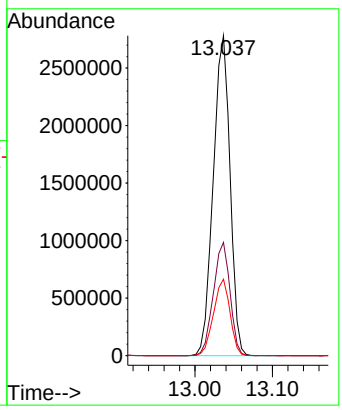


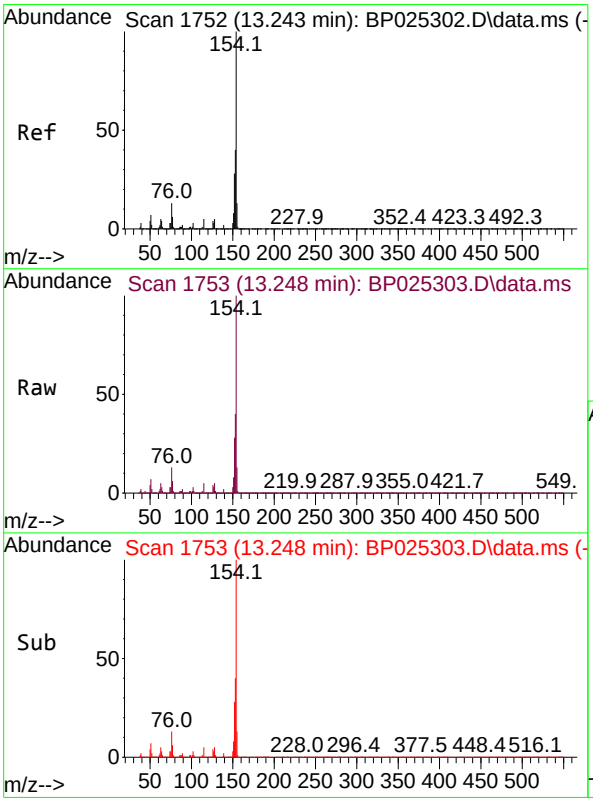
#45
2-Fluorobiphenyl
Concen: 101.643 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4184125

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.9	18.9	28.3

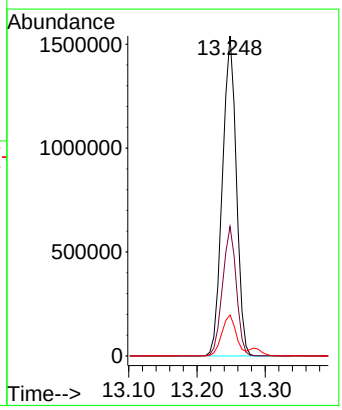


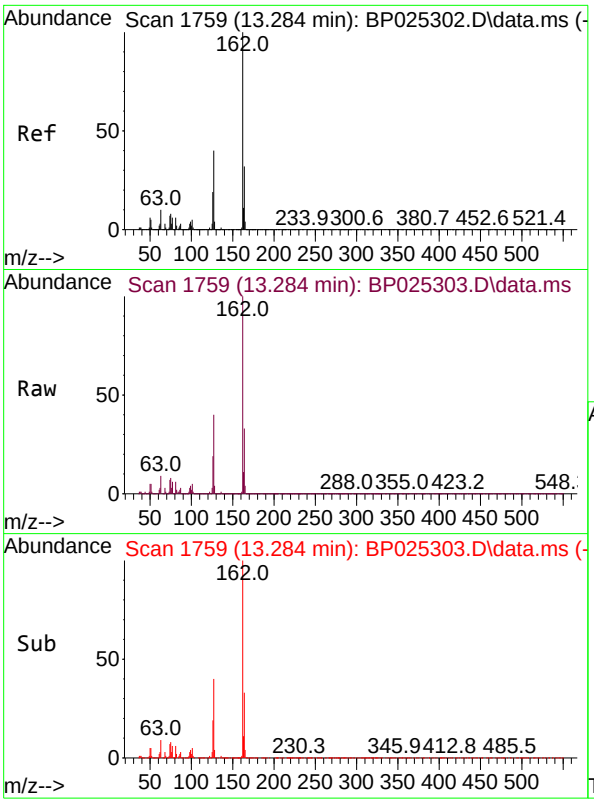


#46
1,1'-Biphenyl
Concen: 51.457 ng
RT: 13.248 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 2167632

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.9	59.9
76	12.8	0.0	33.2



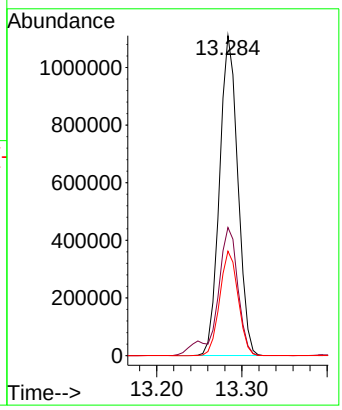


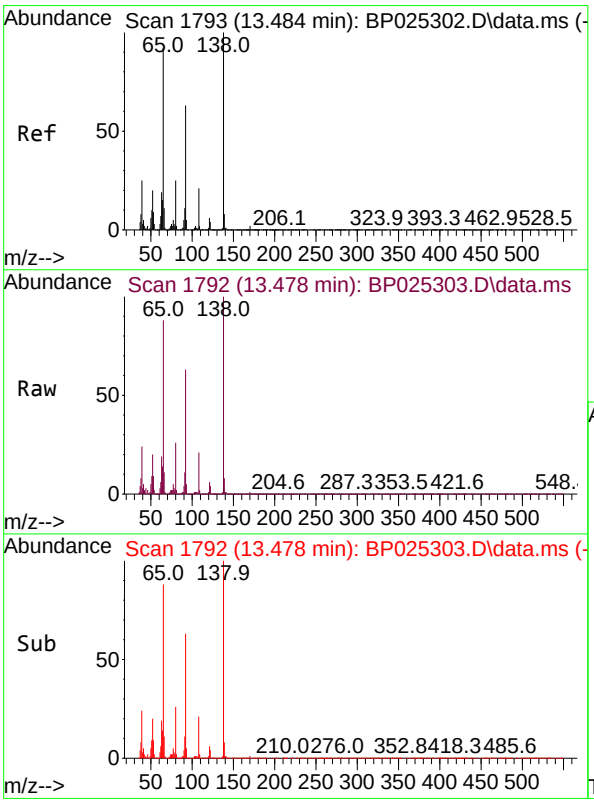
#47
2-Chloronaphthalene
Concen: 51.548 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1656657

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.2	48.2
164	32.6	25.9	38.9

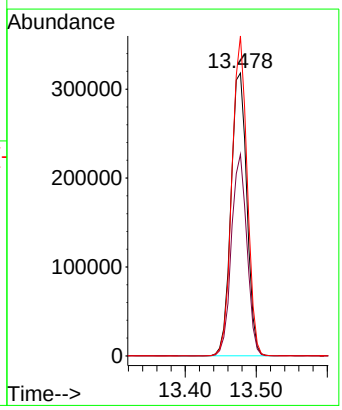


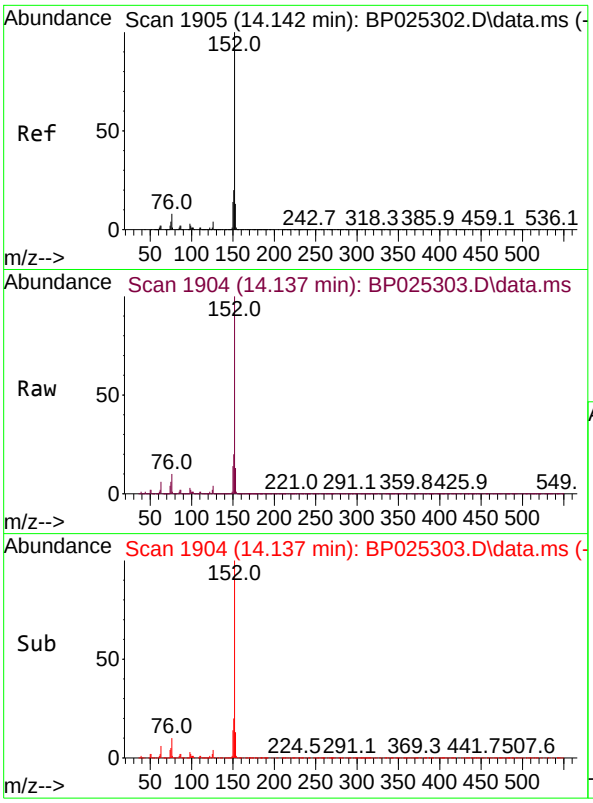


#48
2-Nitroaniline
Concen: 51.971 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion: 65 Resp: 491730

Ion	Ratio	Lower	Upper
65	100		
92	71.3	54.4	81.6
138	113.2	87.0	130.4



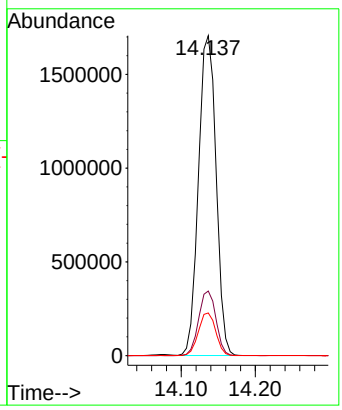


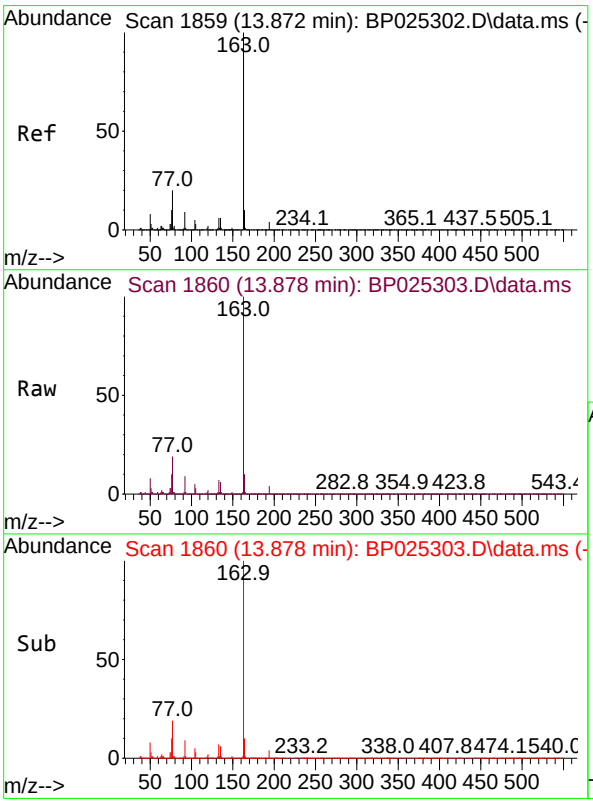
#49
Acenaphthylene
Concen: 52.537 ng
RT: 14.137 min Scan# 19
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2816363

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.3	10.4	15.6

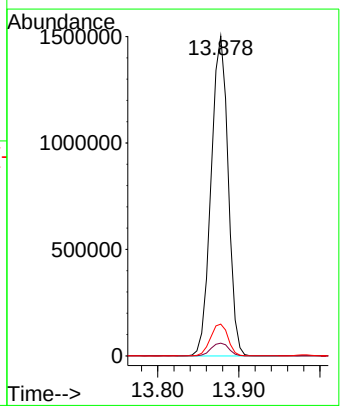


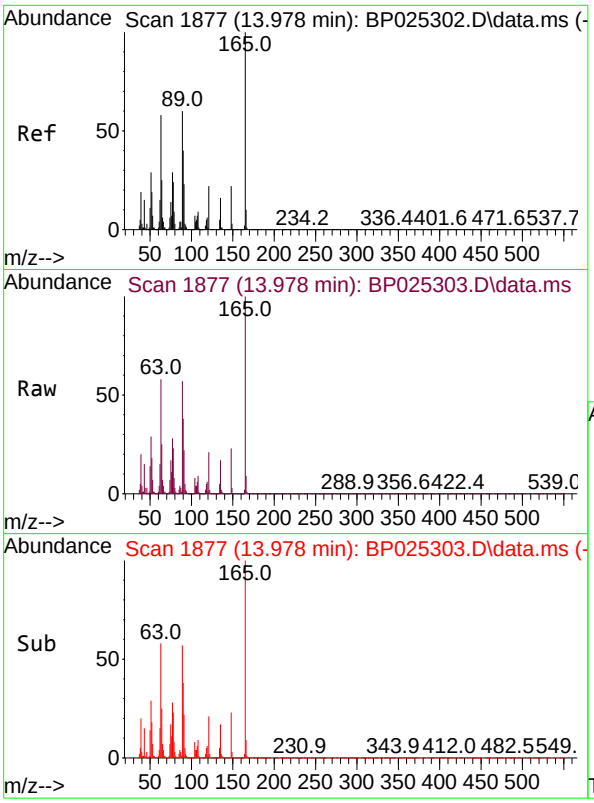


#50
Dimethylphthalate
Concen: 52.544 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:163 Resp: 2189488

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.0	12.0



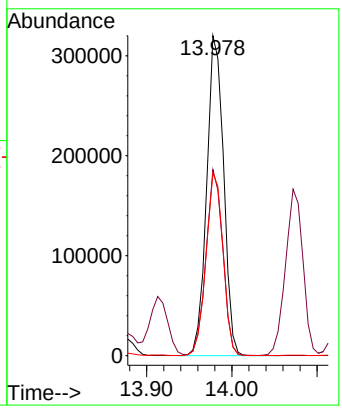


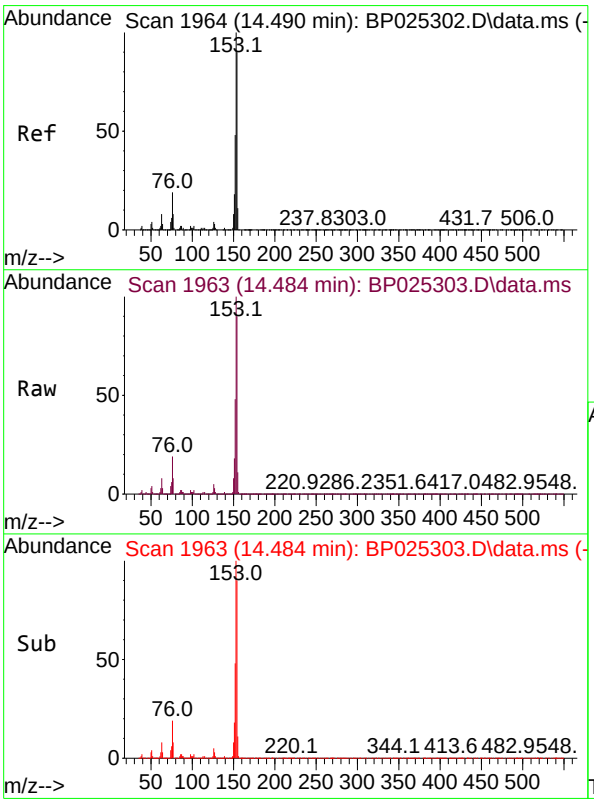
#51
2,6-Dinitrotoluene
Concen: 57.323 ng
RT: 13.978 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 440590

Ion	Ratio	Lower	Upper
165	100		
63	58.1	47.6	71.4
89	57.1	47.8	71.8

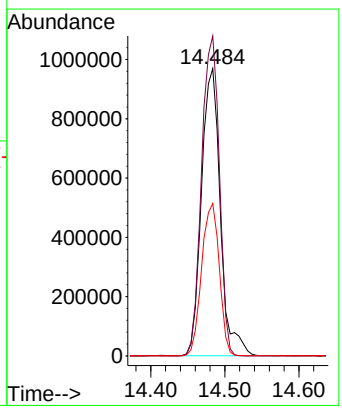


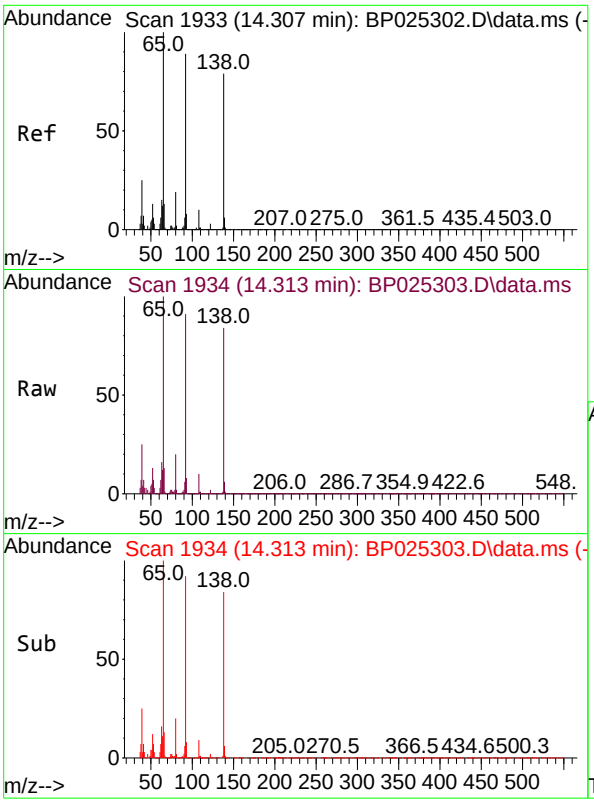


#52
Acenaphthene
Concen: 52.489 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:154 Resp: 1716317

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.4	134.0
152	53.1	43.0	64.6



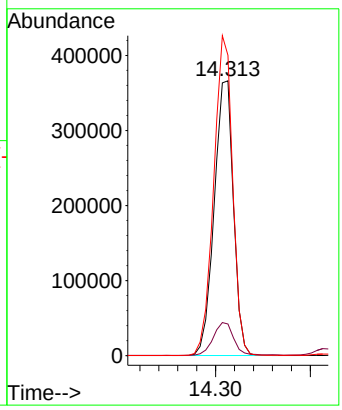


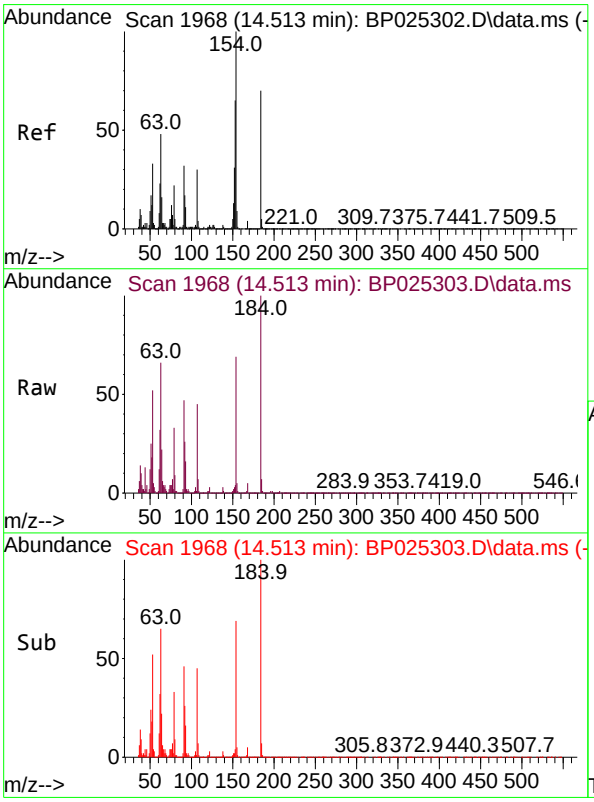
#53
3-Nitroaniline
Concen: 57.487 ng
RT: 14.313 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 517027

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.5	15.7
92	109.3	90.9	136.3

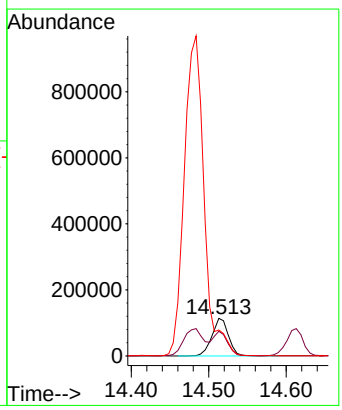


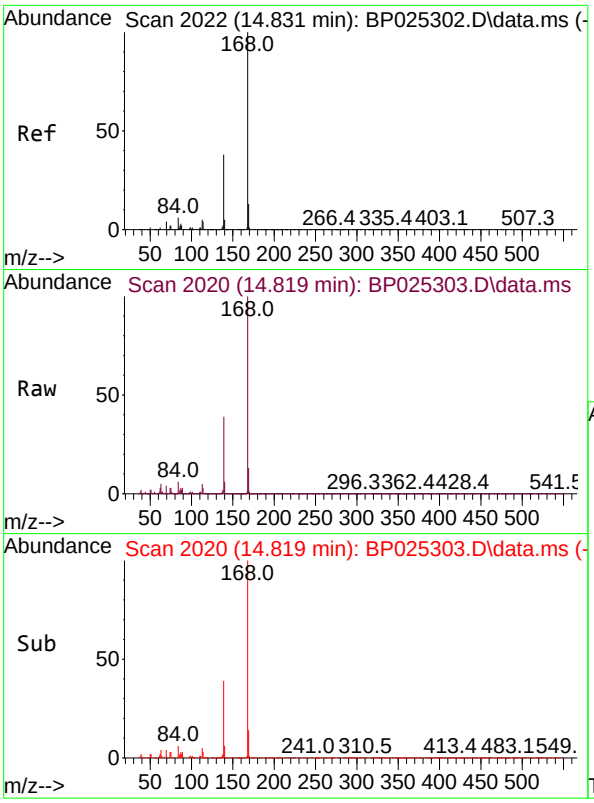


#54
2,4-Dinitrophenol
Concen: 50.836 ng
RT: 14.513 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:184 Resp: 167500

Ion	Ratio	Lower	Upper
184	100		
63	65.6	56.3	84.5
154	69.0	124.5	186.7#



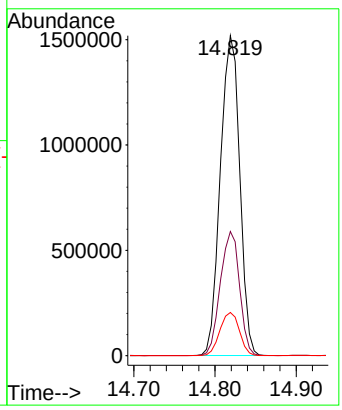


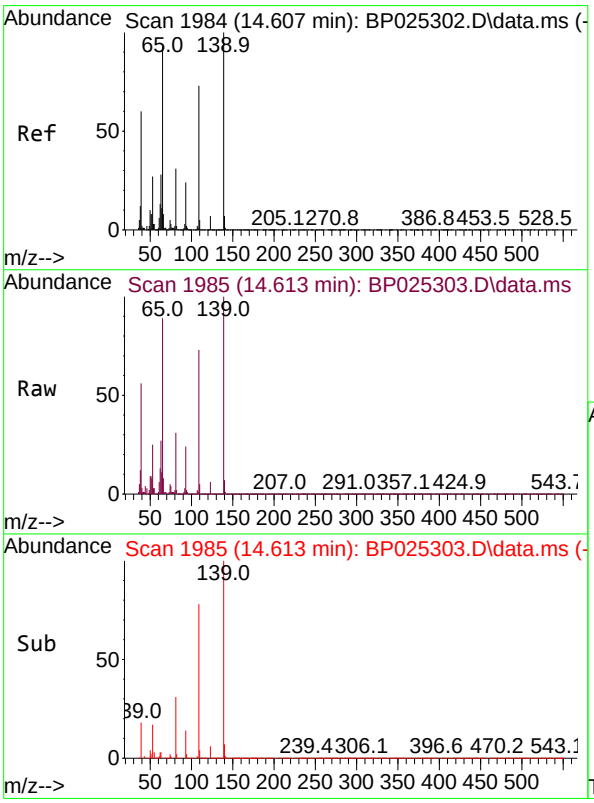
#55
Dibenzofuran
Concen: 51.534 ng
RT: 14.819 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2518183

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.5	45.7
169	13.5	10.6	15.8

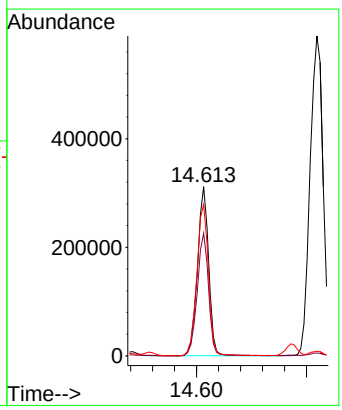


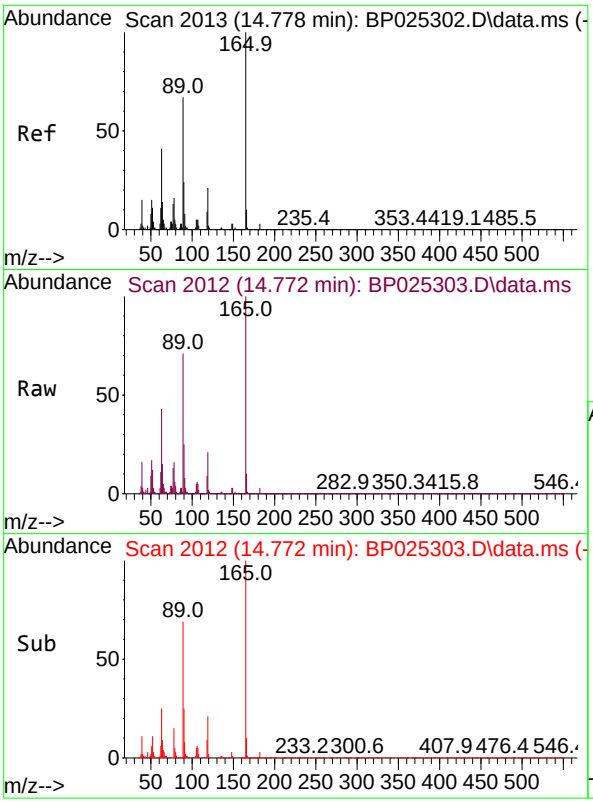


#56
4-Nitrophenol
Concen: 55.392 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:139 Resp: 439677

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.7	92.7
65	89.4	73.4	113.4



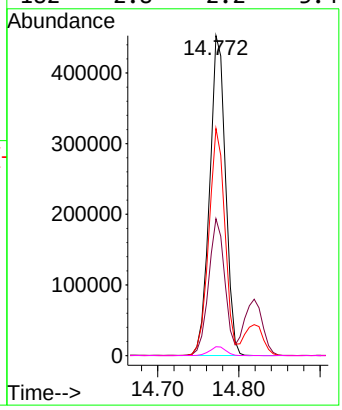


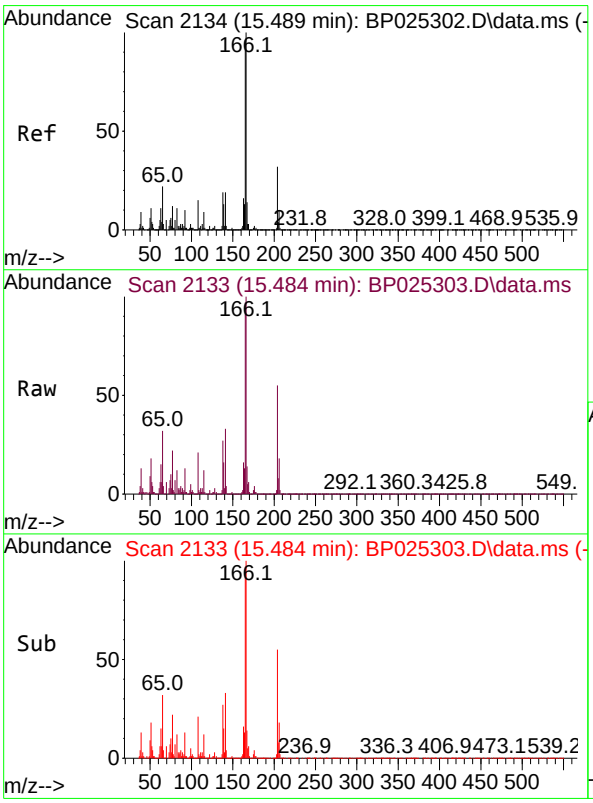
#57
2,4-Dinitrotoluene
Concen: 51.438 ng
RT: 14.772 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 615851

Ion	Ratio	Lower	Upper
165	100		
63	42.8	33.2	49.8
89	71.0	53.5	80.3
182	2.8	2.2	3.4

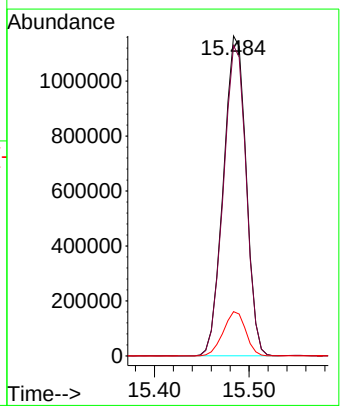


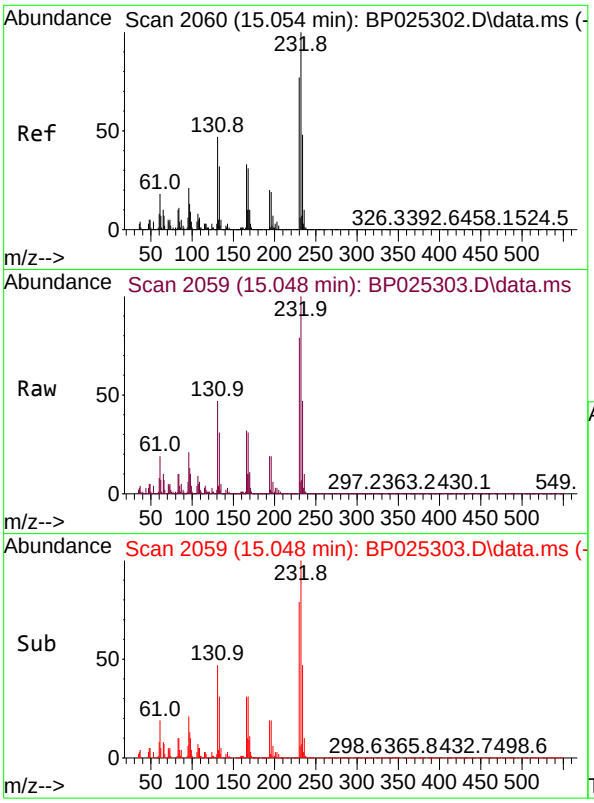


#58
Fluorene
Concen: 50.628 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:166 Resp: 1943035

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.7	115.1
167	13.8	10.9	16.3



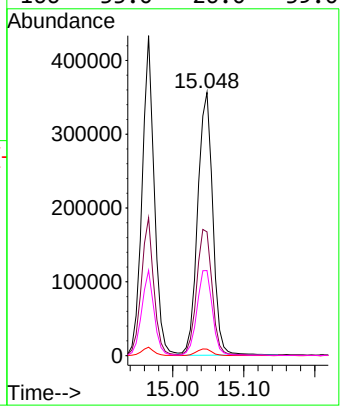


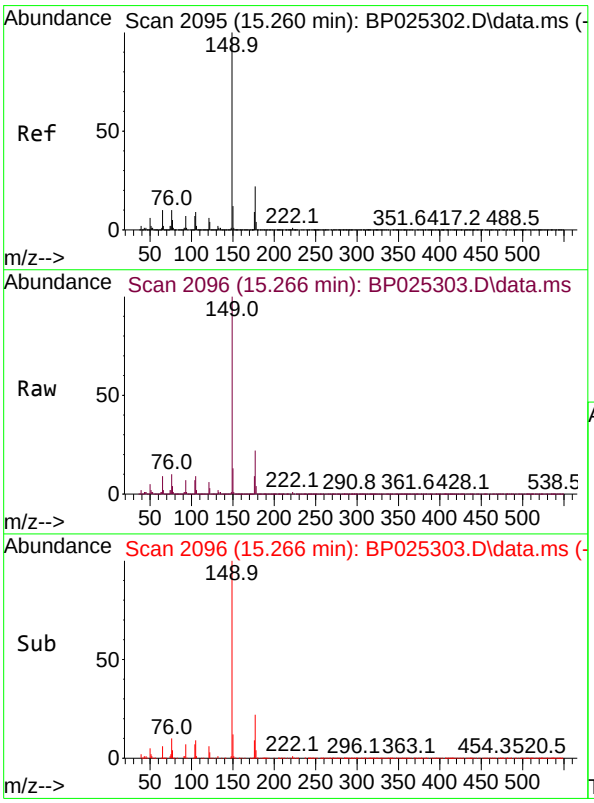
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.019 ng
RT: 15.048 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 522825

Ion	Ratio	Lower	Upper
232	100		
131	49.3	39.3	58.9
130	2.7	2.2	3.2
166	33.0	26.0	39.0

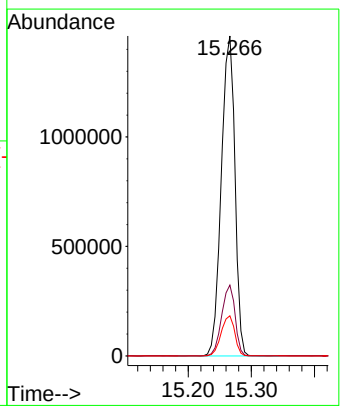


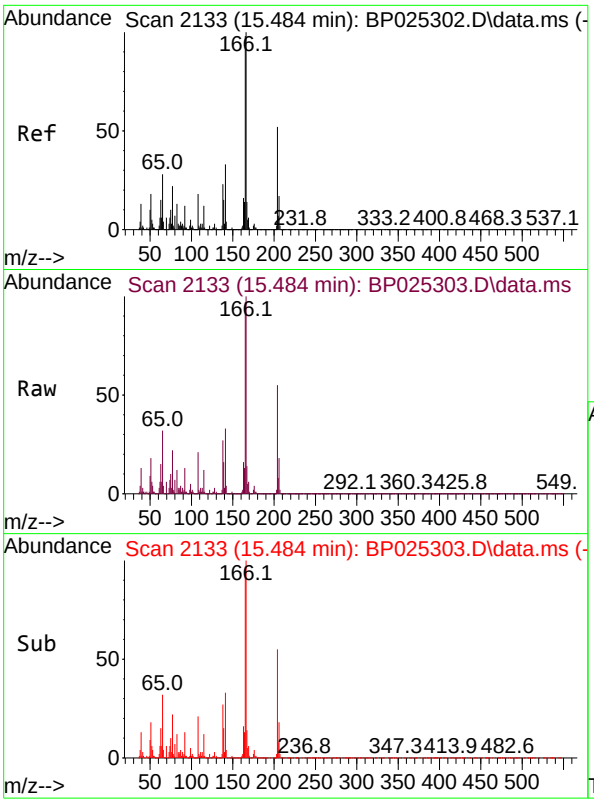


#60
Diethylphthalate
Concen: 51.987 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2184026

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.5	9.8	14.8



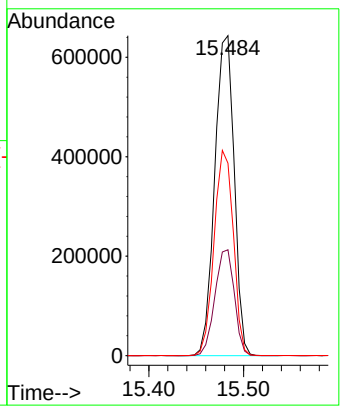


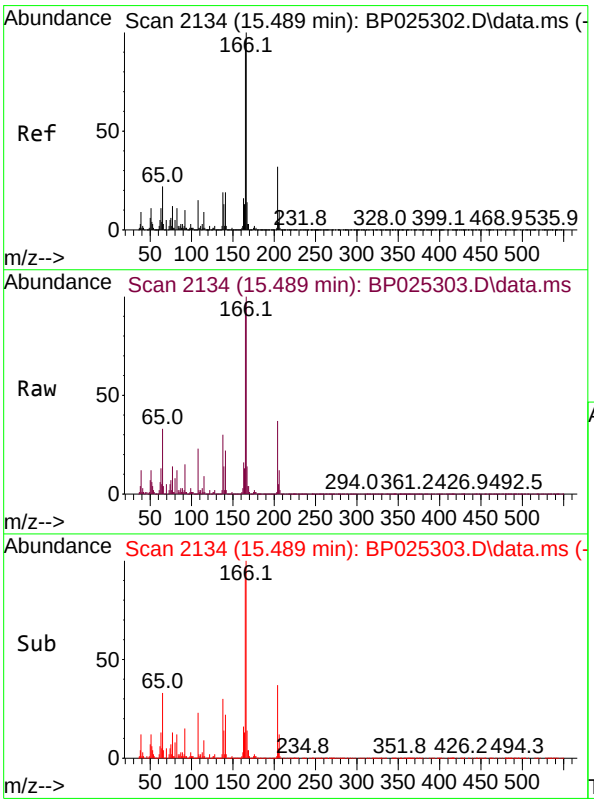
#61
4-Chlorophenyl-phenylether
Concen: 50.462 ng
RT: 15.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 918129

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	60.1	50.3	75.5

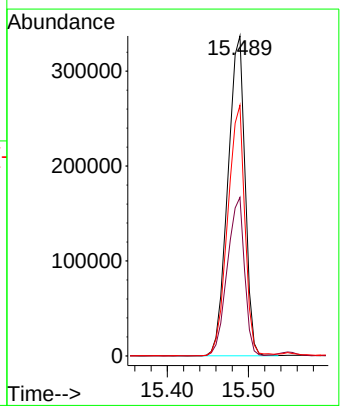


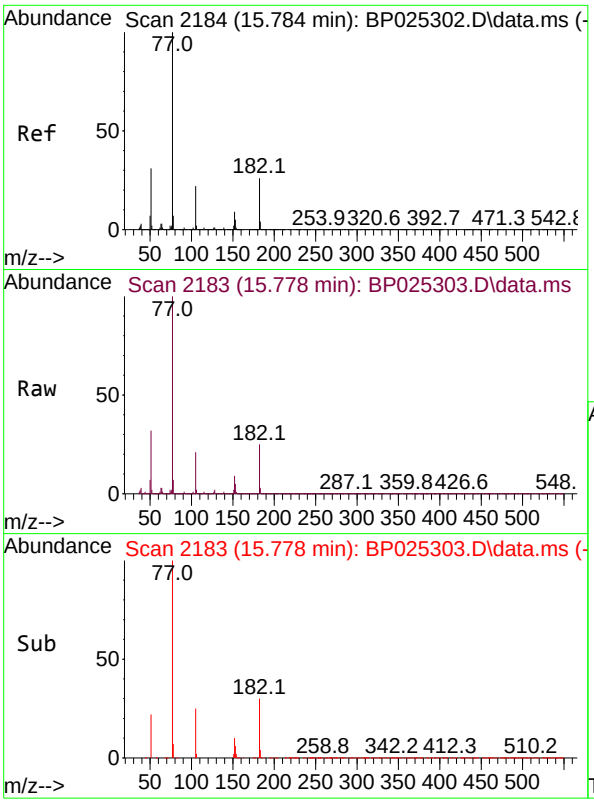


#62
4-Nitroaniline
Concen: 55.814 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:138 Resp: 497394

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.8	69.8
108	78.3	56.6	96.6



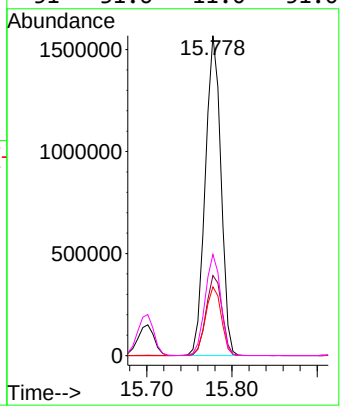


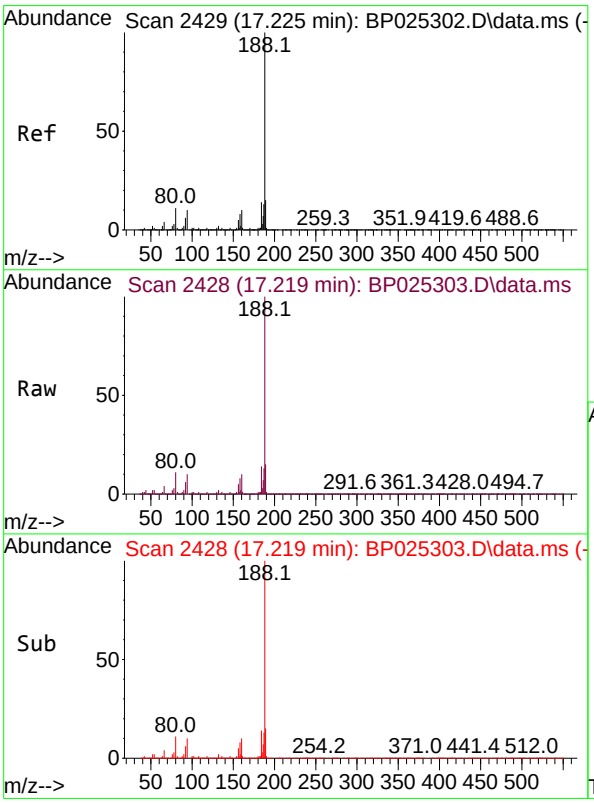
#63
Azobenzene
Concen: 51.248 ng
RT: 15.778 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2000064

Ion	Ratio	Lower	Upper
77	100		
182	25.0	6.0	46.0
105	21.5	2.1	42.1
51	31.6	11.0	51.0

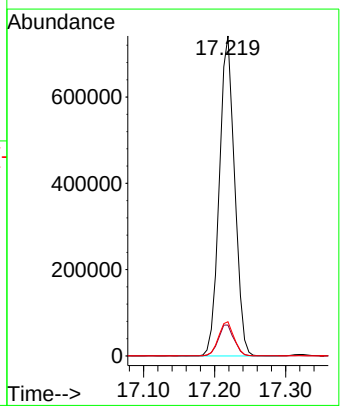


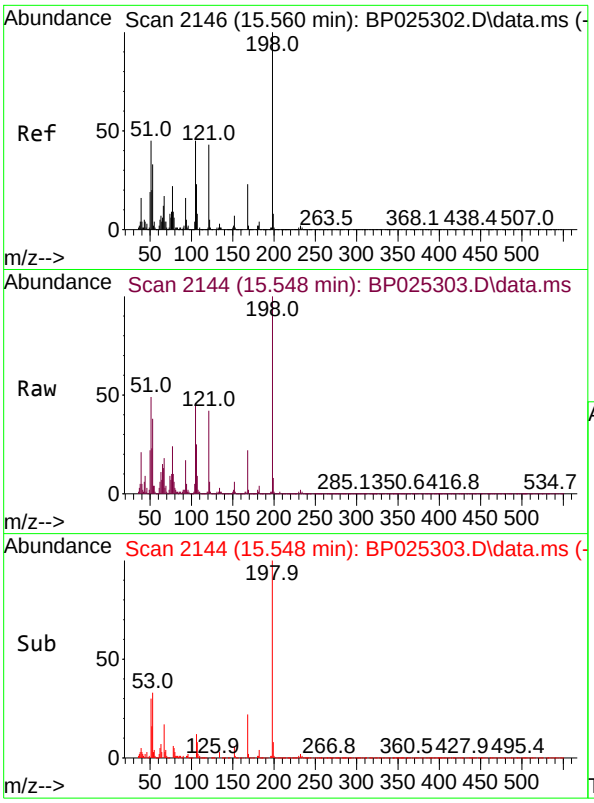


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:188 Resp: 1114369

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.7	8.5	12.7



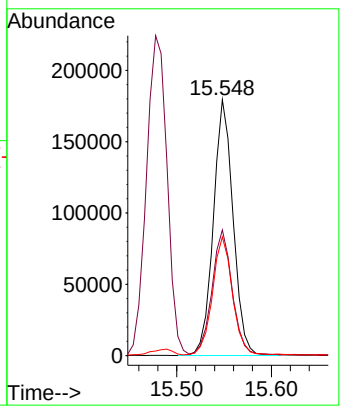


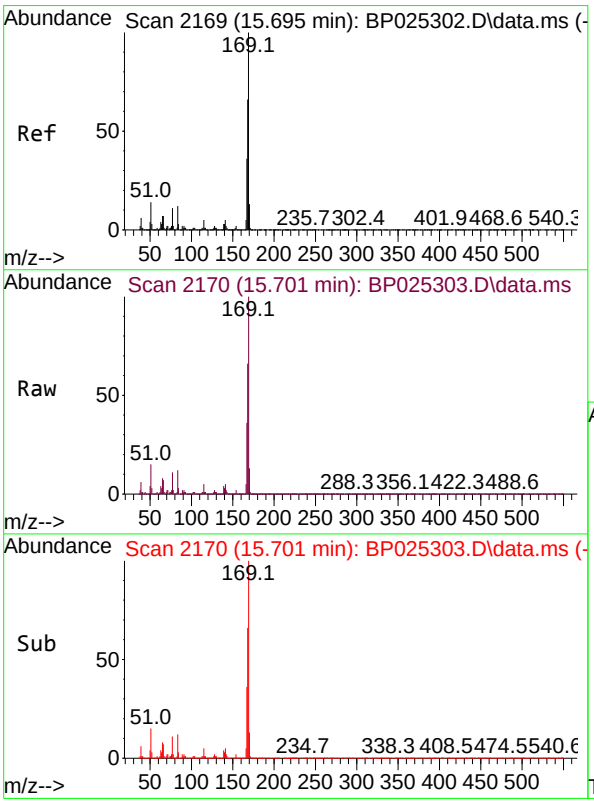
#65
4,6-Dinitro-2-methylphenol
Concen: 51.256 ng
RT: 15.548 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 259581

Ion	Ratio	Lower	Upper
198	100		
51	49.1	26.7	66.7
105	46.4	25.6	65.6

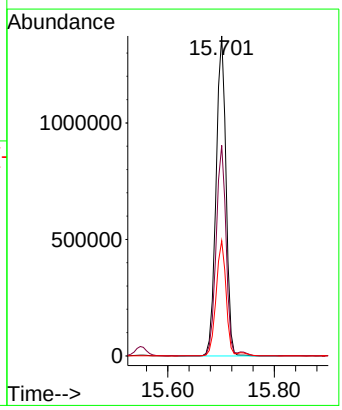


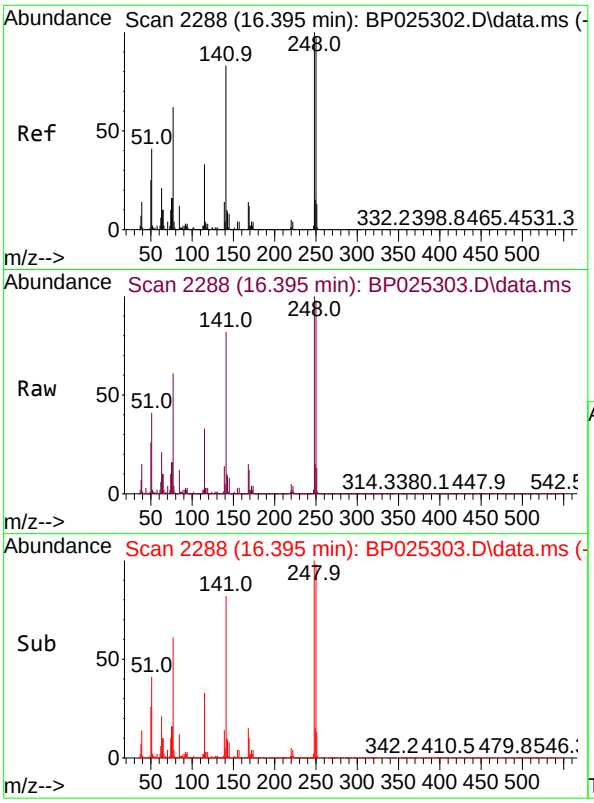


#66
n-Nitrosodiphenylamine
Concen: 52.344 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:169 Resp: 1776048

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.8	79.2
167	36.0	28.5	42.7



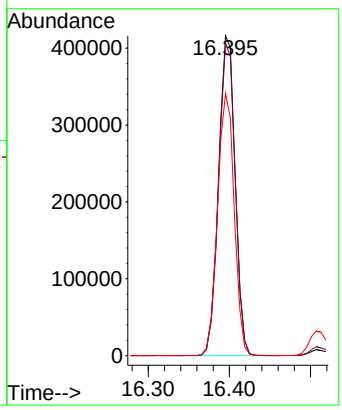


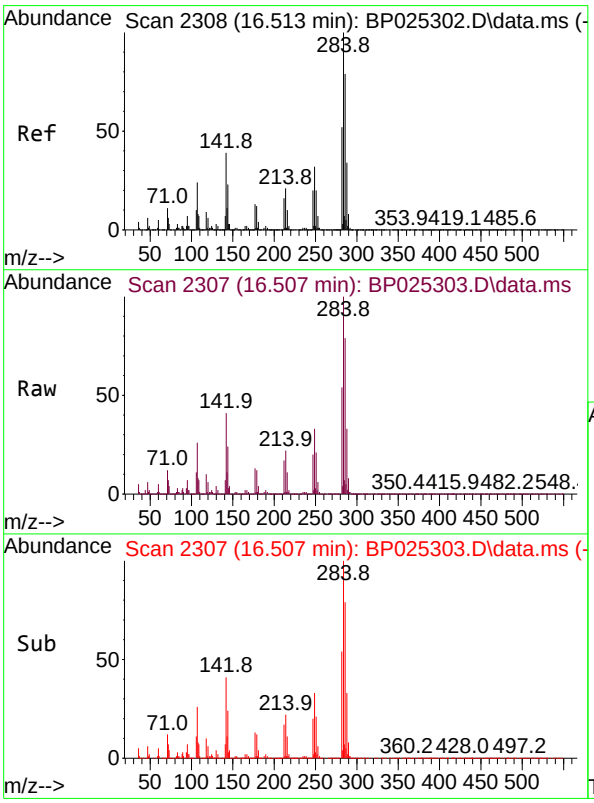
#67
4-Bromophenyl-phenylether
Concen: 52.531 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 589000

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	81.9	66.6	99.8

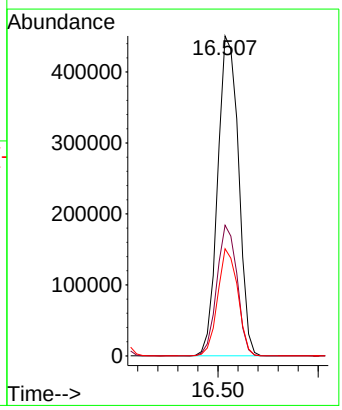


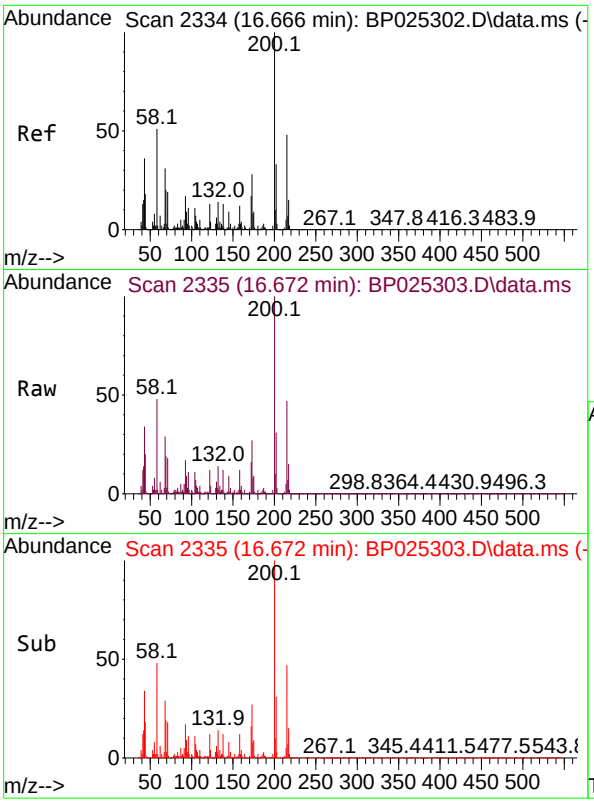


#68
Hexachlorobenzene
Concen: 51.698 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:284 Resp: 650421

Ion	Ratio	Lower	Upper
284	100		
142	40.8	30.8	46.2
249	33.5	25.4	38.0



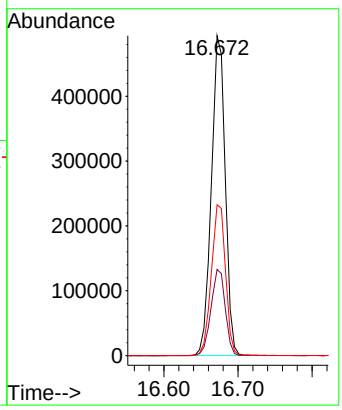


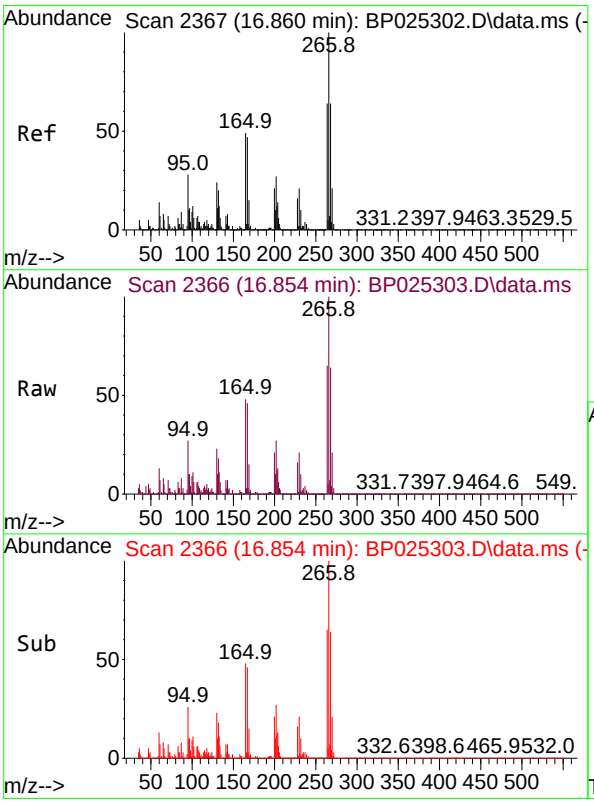
#69
Atrazine
Concen: 53.820 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 642206

Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.2	48.2
215	47.1	28.1	68.1

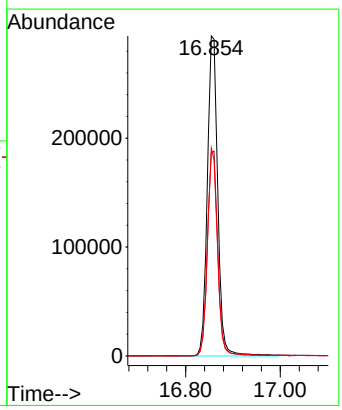


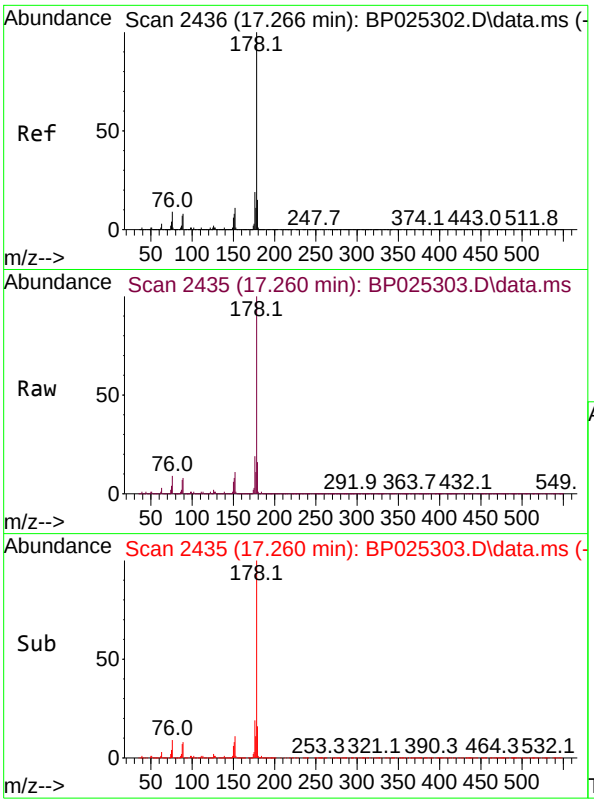


#70
Pentachlorophenol
Concen: 56.013 ng
RT: 16.854 min Scan# 2366
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:266 Resp: 448973

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.0
264	65.0	51.1	76.7



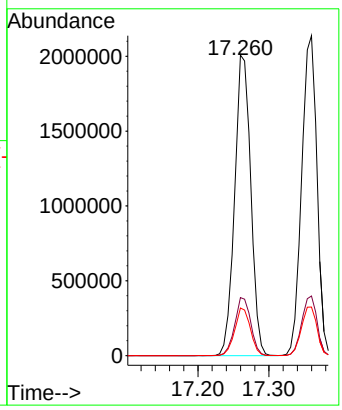


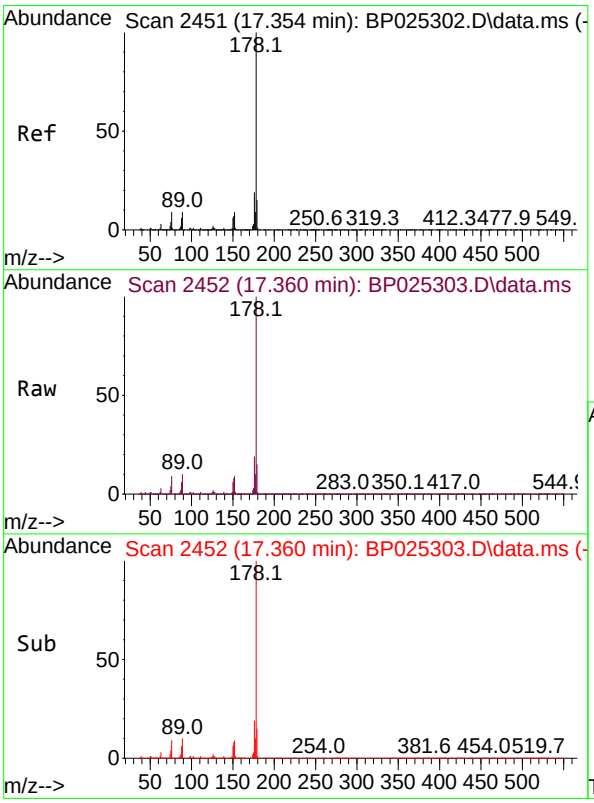
#71
Phenanthrene
Concen: 51.650 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3152482

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.1	18.1

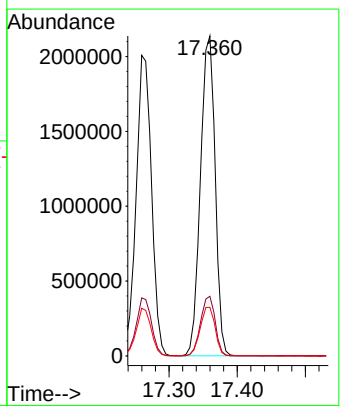


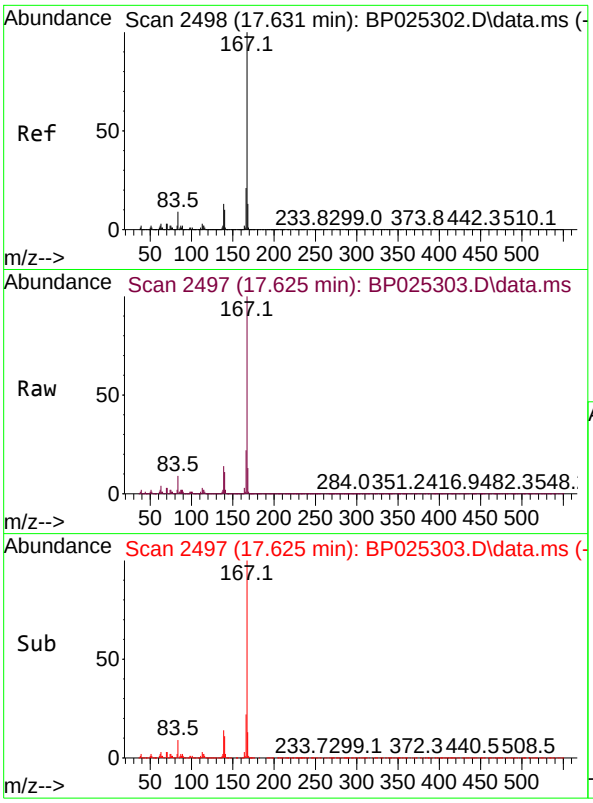


#72
Anthracene
Concen: 52.124 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:178 Resp: 3207824

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.2	12.3	18.5



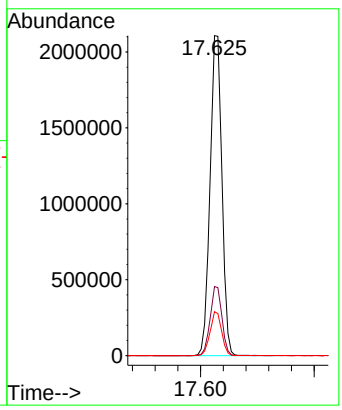


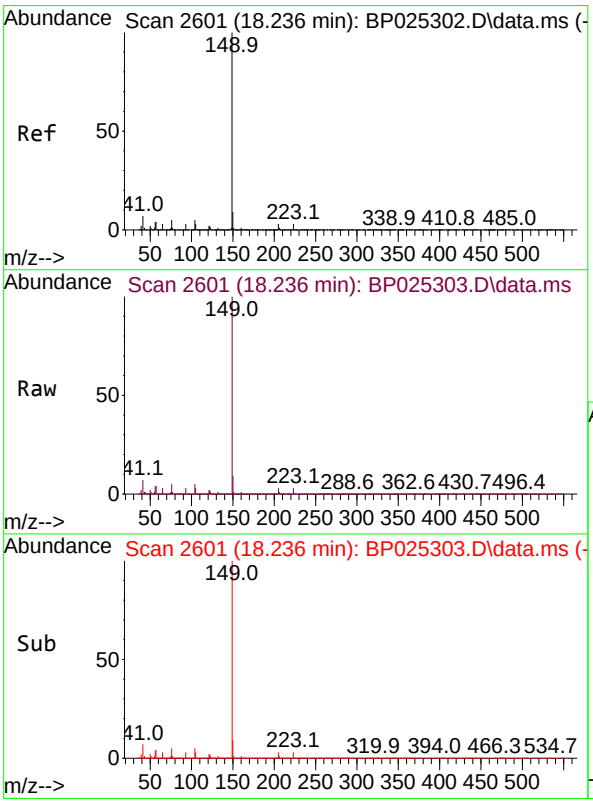
#73
Carbazole
Concen: 51.900 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3066018

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.8	10.6	16.0

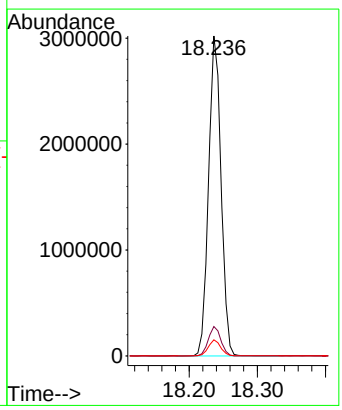


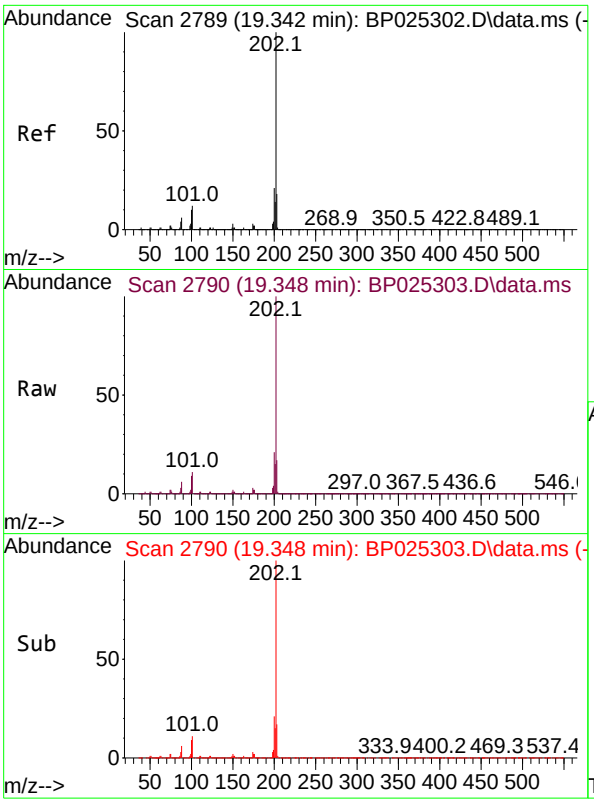


#74
Di-n-butylphthalate
Concen: 53.637 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 3833325

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.0	4.1	6.1



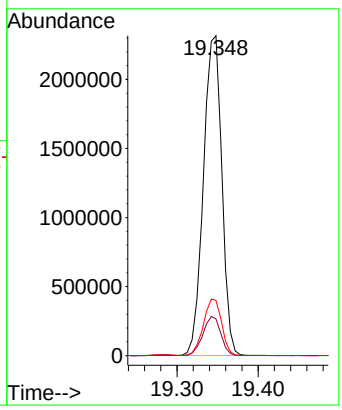


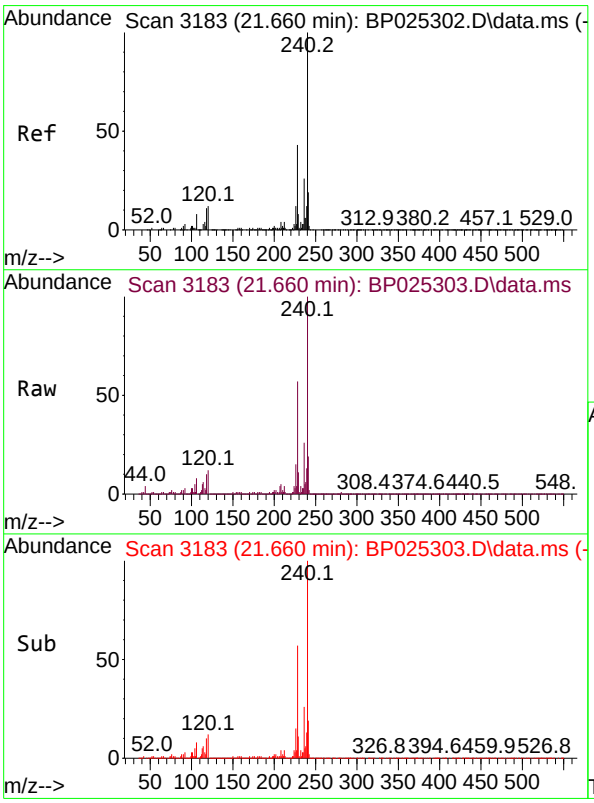
#75
Fluoranthene
Concen: 51.795 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 3659664

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	17.2	0.0	37.6

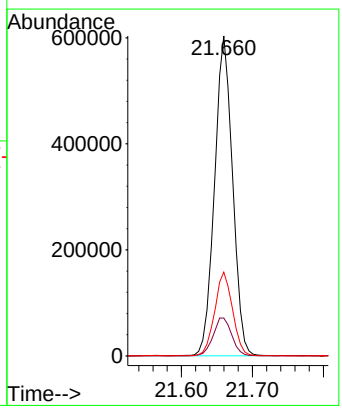


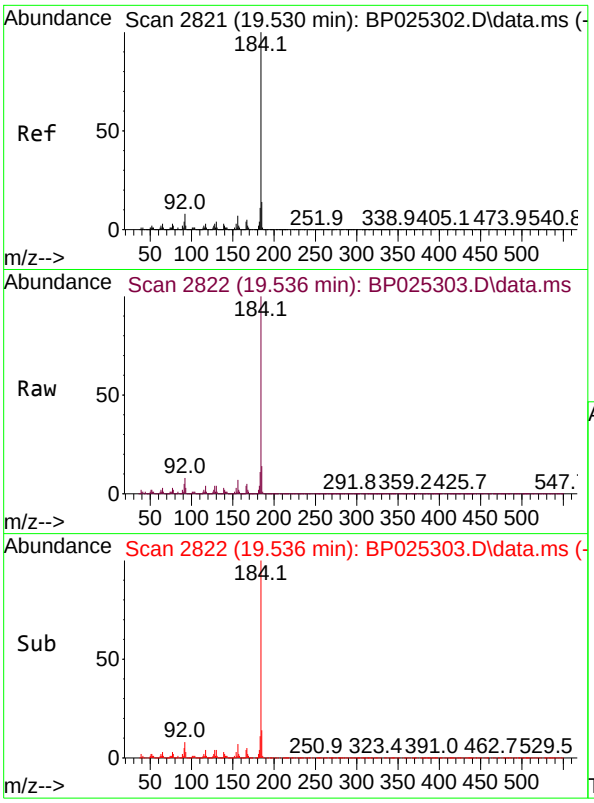


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:240 Resp: 1066090

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.6	14.4
236	26.2	20.4	30.6



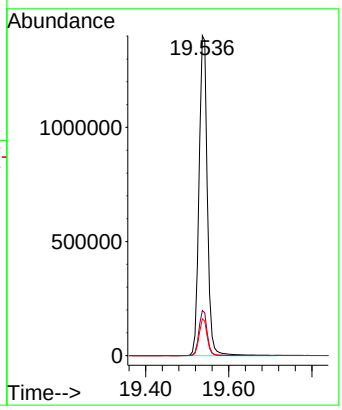


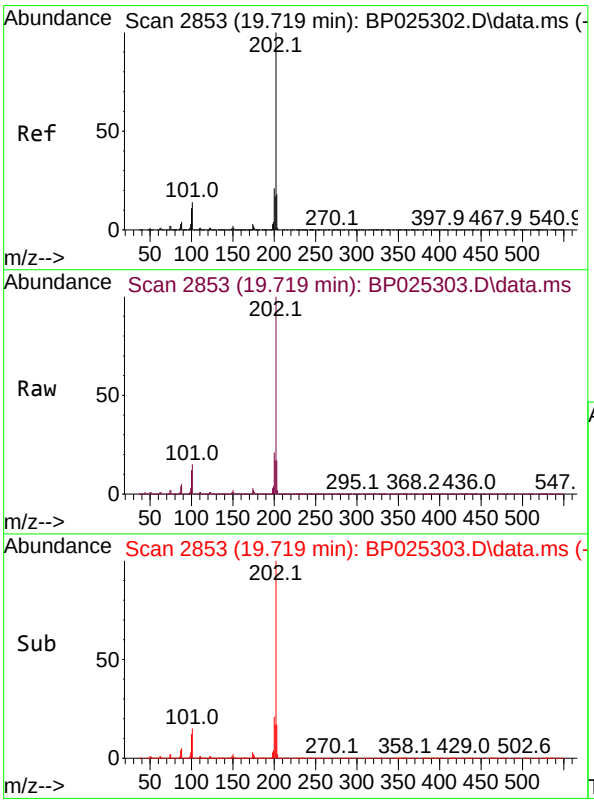
#77
Benzidine
Concen: 50.156 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1935364

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.5	9.2	13.8

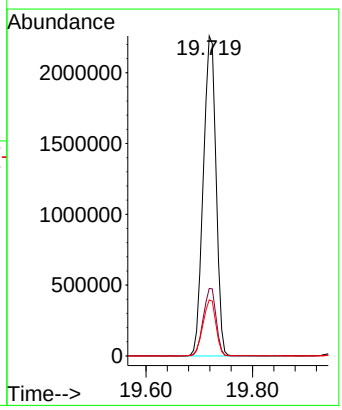


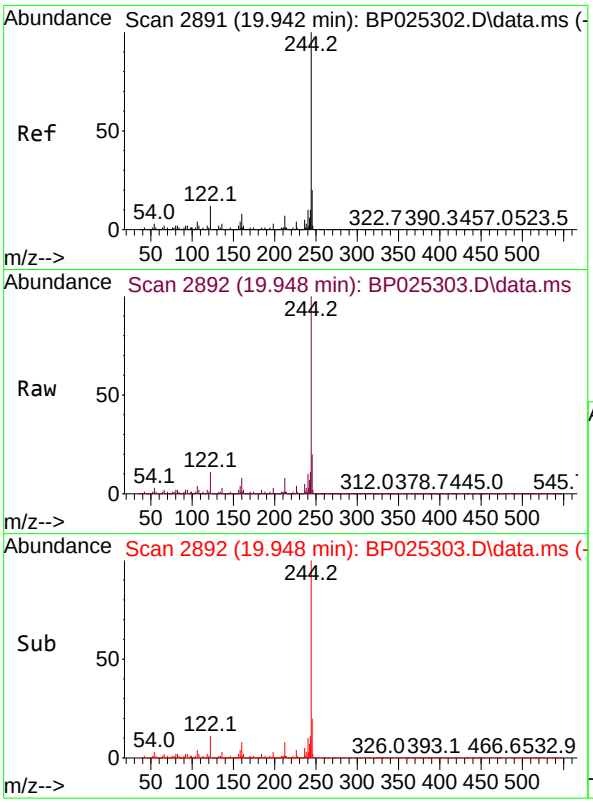


#78
Pyrene
Concen: 52.875 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:202 Resp: 3748452

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.5	14.1	21.1



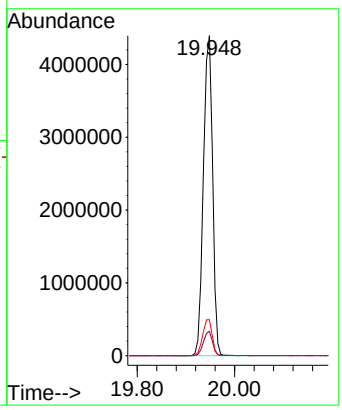


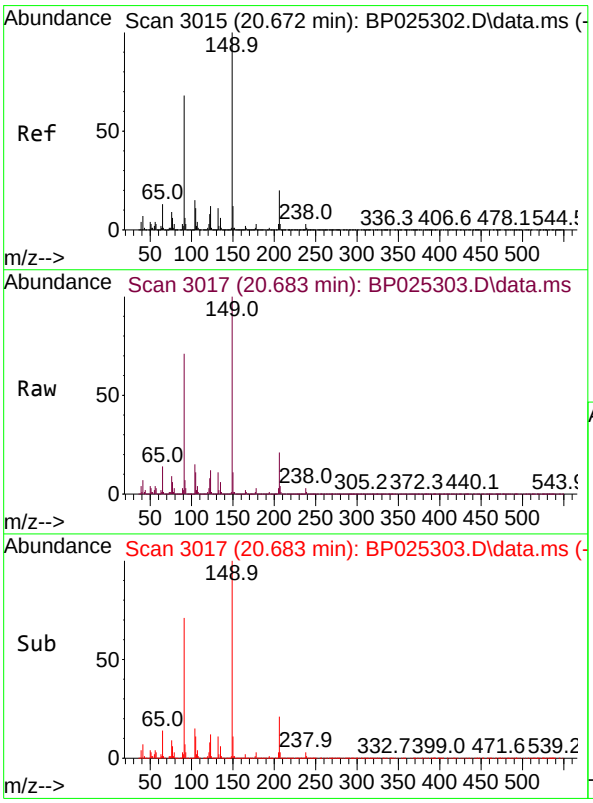
#79
Terphenyl-d14
Concen: 102.169 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 5765552

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	11.2	9.5	14.3

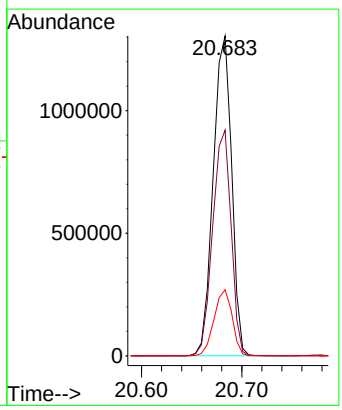


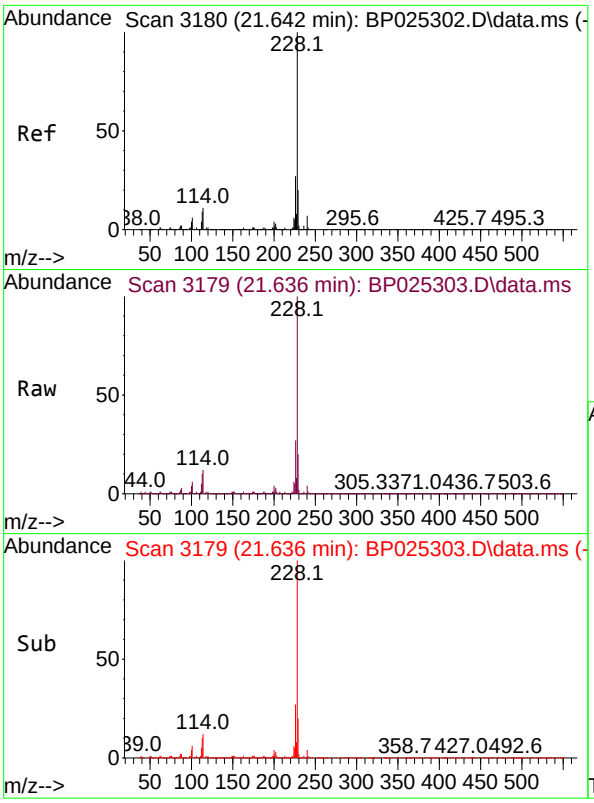


#80
Butylbenzylphthalate
Concen: 58.102 ng
RT: 20.683 min Scan# 3017
Delta R.T. 0.011 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 1670521

Ion	Ratio	Lower	Upper
149	100		
91	70.5	54.7	82.1
206	20.7	16.4	24.6



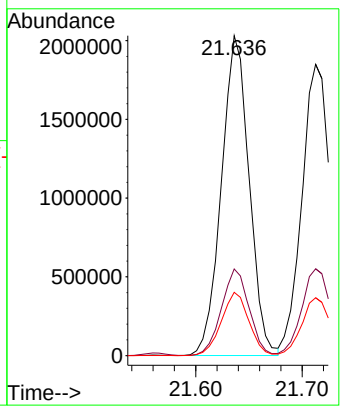


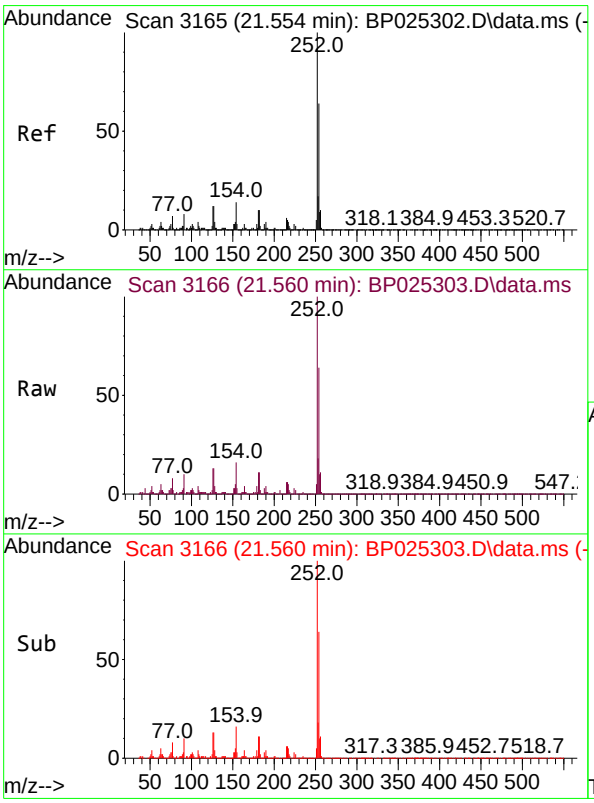
#81
Benzo(a)anthracene
Concen: 51.986 ng
RT: 21.636 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3682901

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	16.0	24.0

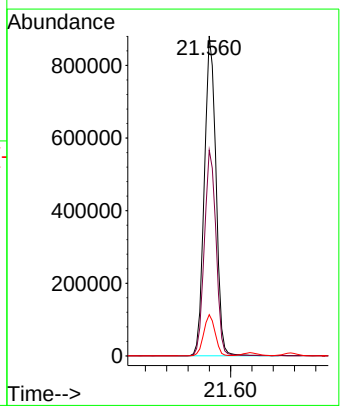


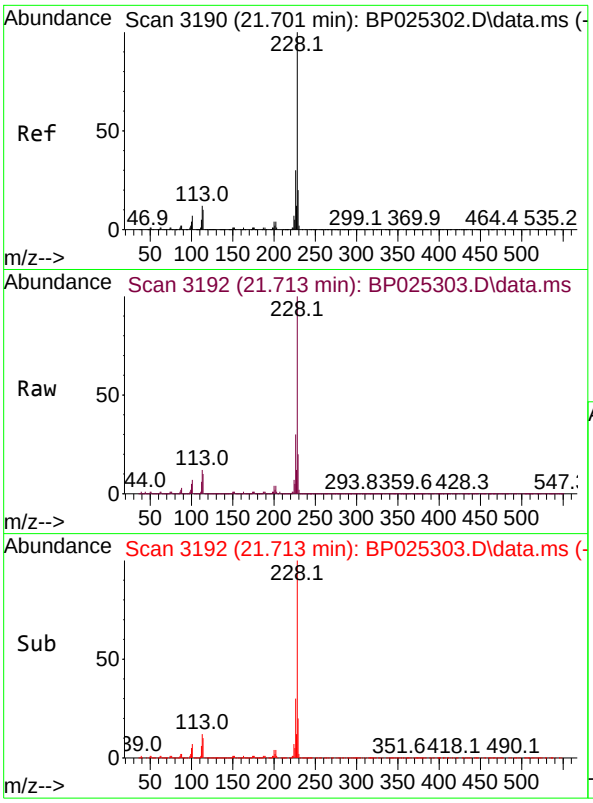


#82
3,3'-Dichlorobenzidine
Concen: 53.376 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 1334151

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.0	76.6
126	12.9	9.4	14.2



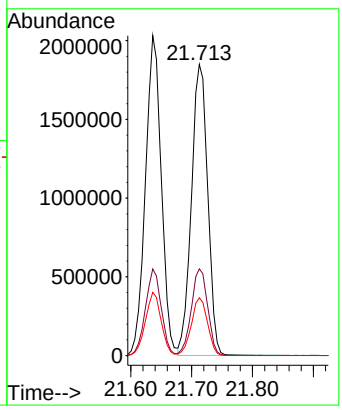


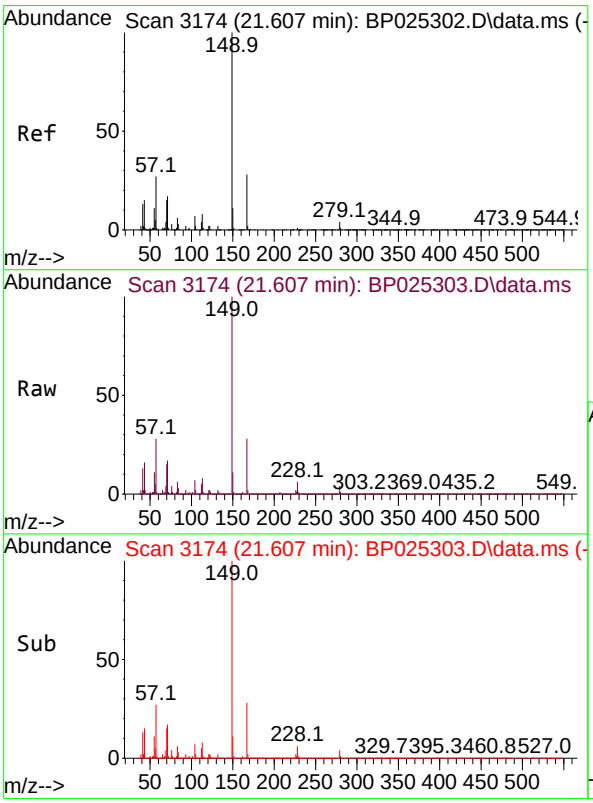
#83
Chrysene
Concen: 52.286 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3435648

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	19.8	15.9	23.9

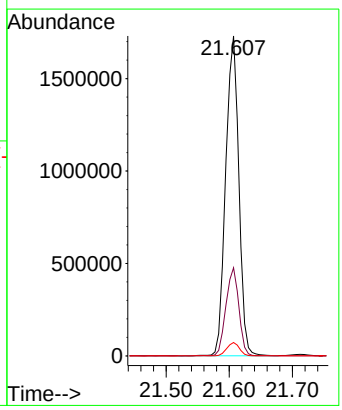


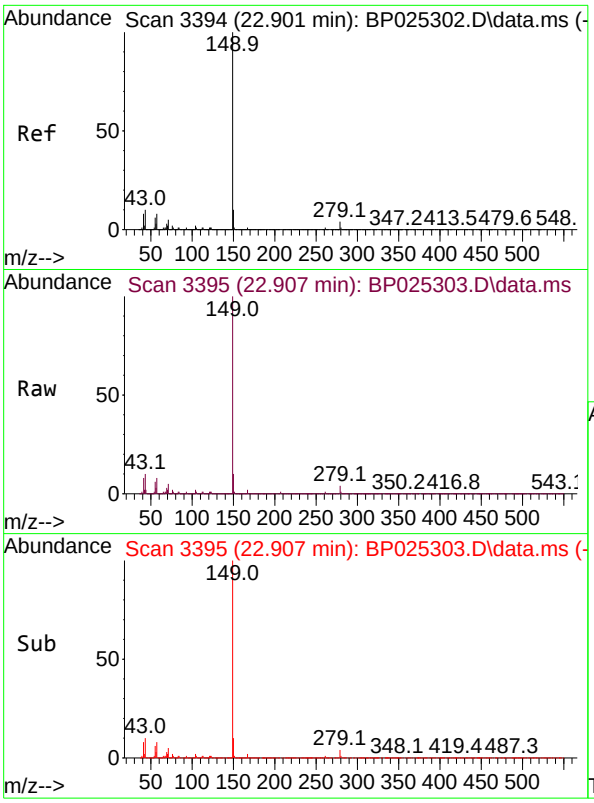


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.510 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:149 Resp: 2502532

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.2	3.4	5.2



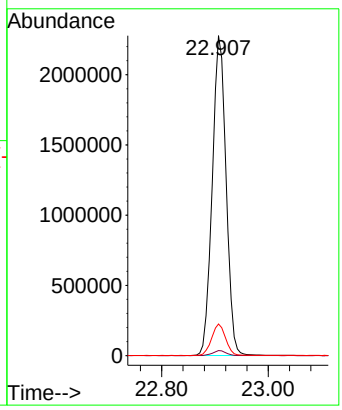


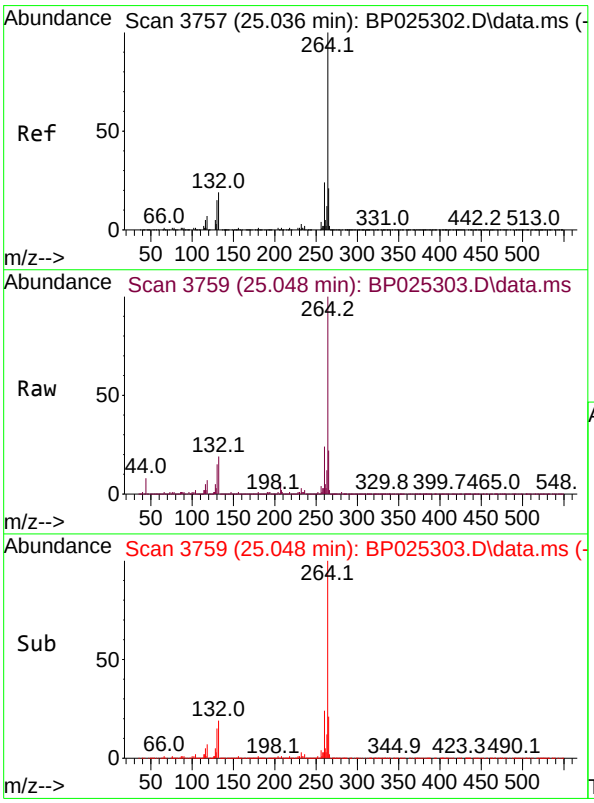
#85
Di-n-octyl phthalate
Concen: 53.530 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 4113502

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.0	7.9	11.9

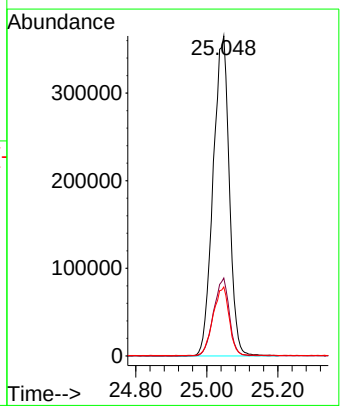


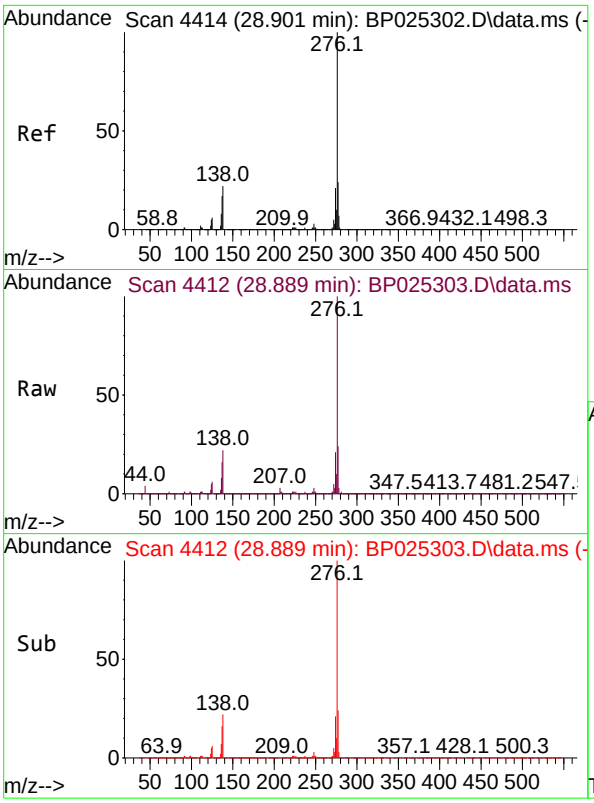


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:264 Resp: 1155535

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.5	17.1	25.7



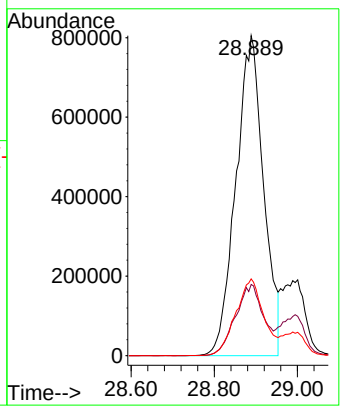


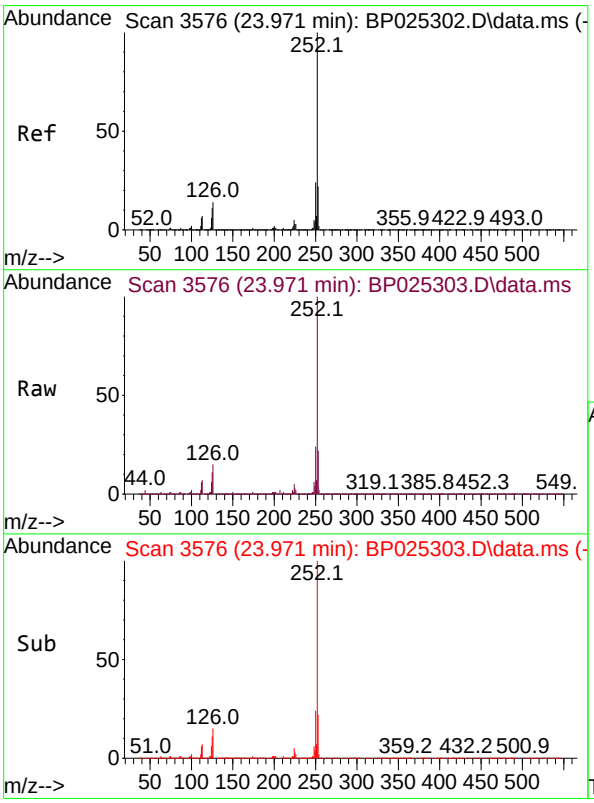
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.893 ng
RT: 28.889 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 3723795

Ion	Ratio	Lower	Upper
276	100		
138	22.4	14.6	22.0#
277	24.2	16.8	25.2

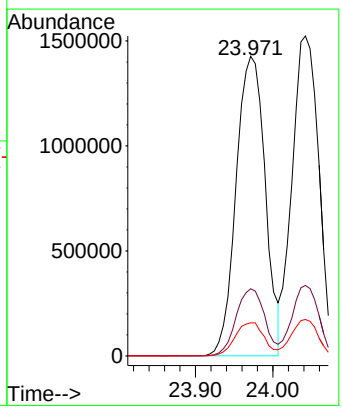


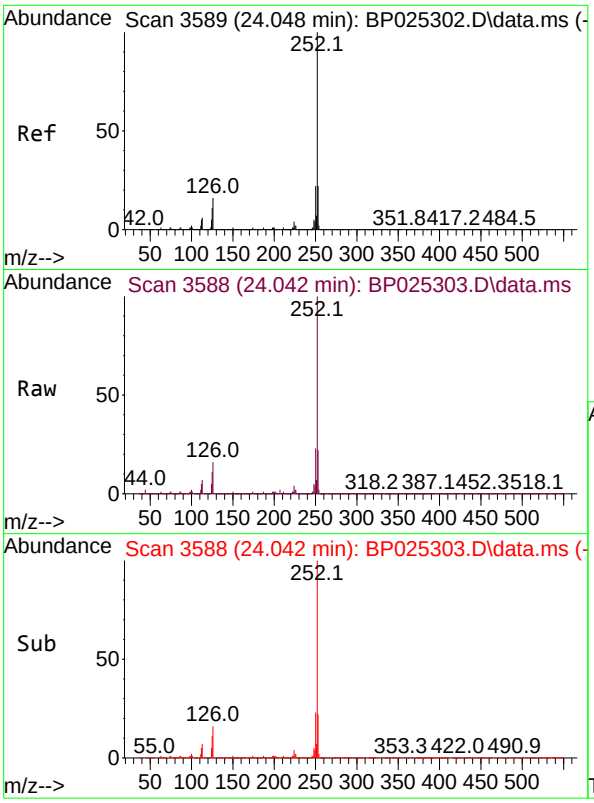


#88
Benzo(b)fluoranthene
Concen: 53.862 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3725745

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.0	8.5	12.7



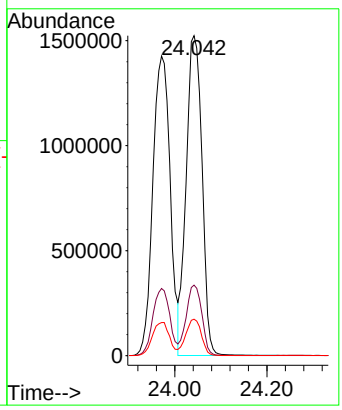


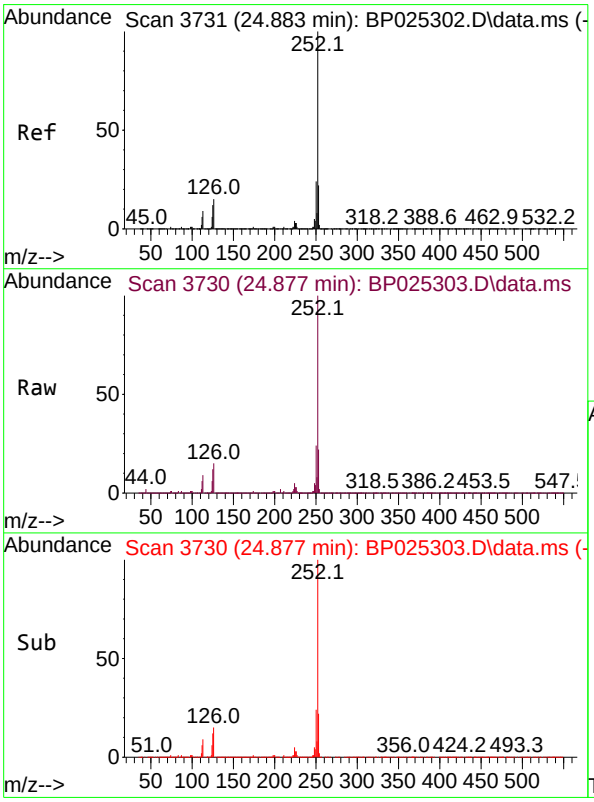
#89
Benzo(k)fluoranthene
Concen: 53.234 ng
RT: 24.042 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 3650347

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	8.5	12.7

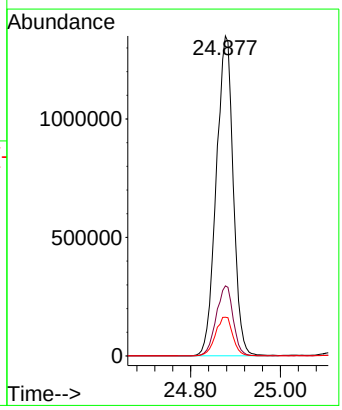


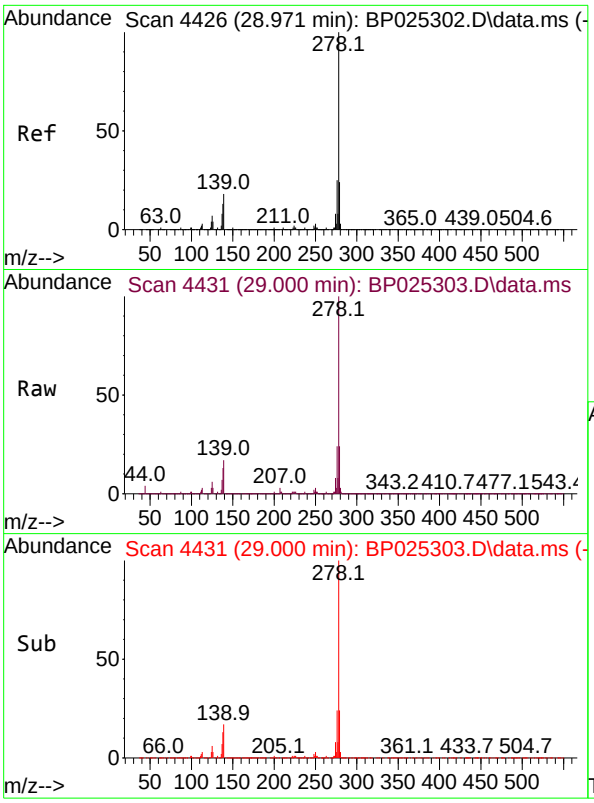


#90
Benzo(a)pyrene
Concen: 53.283 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:252 Resp: 3549437

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.1	9.4	14.0



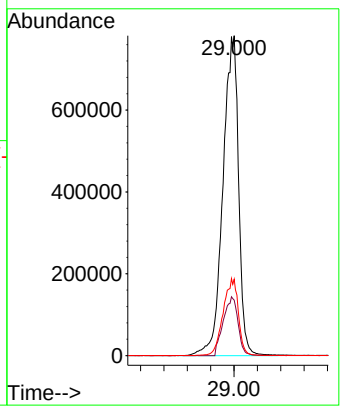


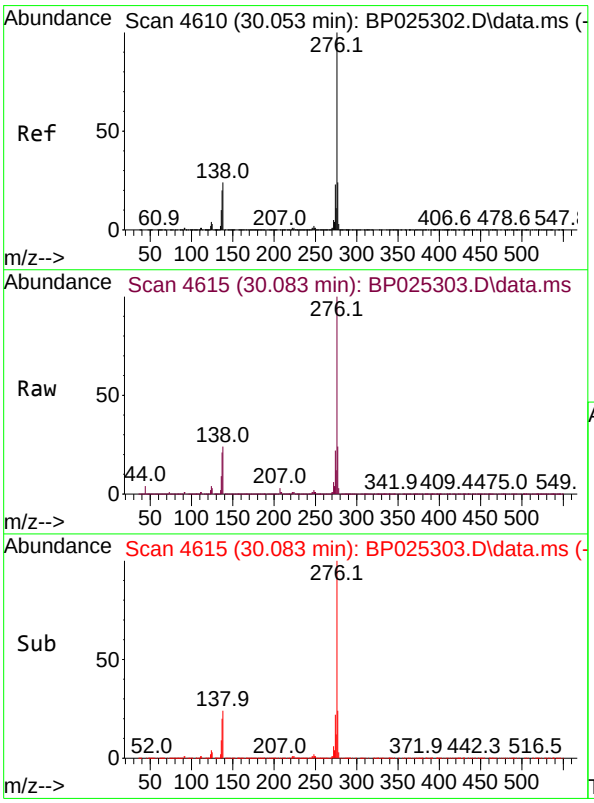
#91
Dibenzo(a,h)anthracene
Concen: 53.715 ng
RT: 29.000 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 3643604

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.6	22.0
279	23.9	19.0	28.4

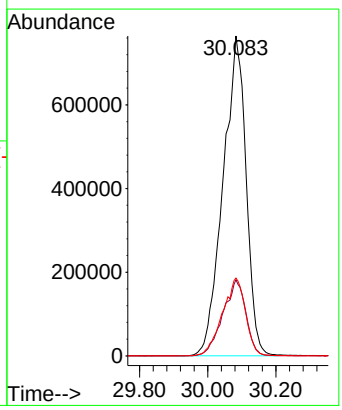




#92
Benzo(g,h,i)perylene
Concen: 53.917 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025303.D
Acq: 05 Aug 2025 15:28

Tgt Ion:276 Resp: 3590382

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.3	28.9
138	24.3	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	285381	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	1243913	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	769412	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1520824	20.000	ng		0.00
76) Chrysene-d12	21.666	240	1412527	20.000	ng		0.00
86) Perylene-d12	25.048	264	1639865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	2797073	156.621	ng		0.00
7) Phenol-d6	6.972	99	3719514	157.885	ng		0.00
23) Nitrobenzene-d5	8.949	82	3774237	164.165	ng		0.00
42) 2,4,6-Tribromophenol	15.937	330	1324517	166.729	ng		0.01
45) 2-Fluorobiphenyl	13.037	172	8021955	144.776	ng		0.00
79) Terphenyl-d14	19.942	244	10705690	143.182	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	525165	75.001	ng		99
3) Pyridine	3.726	79	1537458	79.031	ng		99
4) n-Nitrosodimethylamine	3.637	42	725458	80.324	ng	#	98
6) Aniline	7.137	93	2546940	79.451	ng		99
8) 2-Chlorophenol	7.372	128	1591247	81.930	ng		99
9) Benzaldehyde	6.949	77	957654	57.739	ng		98
10) Phenol	7.002	94	1969060	78.808	ng		99
11) bis(2-Chloroethyl)ether	7.231	93	1515396	77.407	ng		99
12) 1,3-Dichlorobenzene	7.696	146	1676489	76.821	ng		99
13) 1,4-Dichlorobenzene	7.837	146	1694172	76.733	ng		99
14) 1,2-Dichlorobenzene	8.149	146	1649525	77.123	ng		99
15) Benzyl Alcohol	8.037	79	1447720	79.979	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.331	45	2321074	75.053	ng		100
17) 2-Methylphenol	8.231	107	1340886	80.204	ng		98
18) Hexachloroethane	8.878	117	627491	79.471	ng		98
19) n-Nitroso-di-n-propyla...	8.614	70	1169323	76.214	ng		99
20) 3+4-Methylphenols	8.561	107	1841296	79.981	ng		99
22) Acetophenone	8.614	105	2348273	75.200	ng	#	99
24) Nitrobenzene	8.990	77	1719289	80.892	ng		99
25) Isophorone	9.513	82	3440086	76.970	ng		100
26) 2-Nitrophenol	9.690	139	813124	84.806	ng		97
27) 2,4-Dimethylphenol	9.749	122	1547266	75.090	ng		96
28) bis(2-Chloroethoxy)met...	9.990	93	2054235	75.555	ng		100
29) 2,4-Dichlorophenol	10.219	162	1494161	82.826	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	1535792	77.166	ng		99
31) Naphthalene	10.625	128	4861744	75.289	ng		100
32) Benzoic acid	9.931	122	1160103	79.253	ng		99
33) 4-Chloroaniline	10.719	127	2255163	78.523	ng		100
34) Hexachlorobutadiene	10.919	225	895811	78.411	ng		98
35) Caprolactam	11.519	113	480566	68.516	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	1681089	80.535	ng		100
37) 2-Methylnaphthalene	12.231	142	3204508	76.670	ng		100
38) 1-Methylnaphthalene	12.443	142	3235826	74.197	ng		99
40) 1,2,4,5-Tetrachloroben...	12.602	216	1636320	77.897	ng		100
41) Hexachlorocyclopentadiene	12.590	237	1117188	86.171	ng		99
43) 2,4,6-Trichlorophenol	12.831	196	1177739	86.791	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration

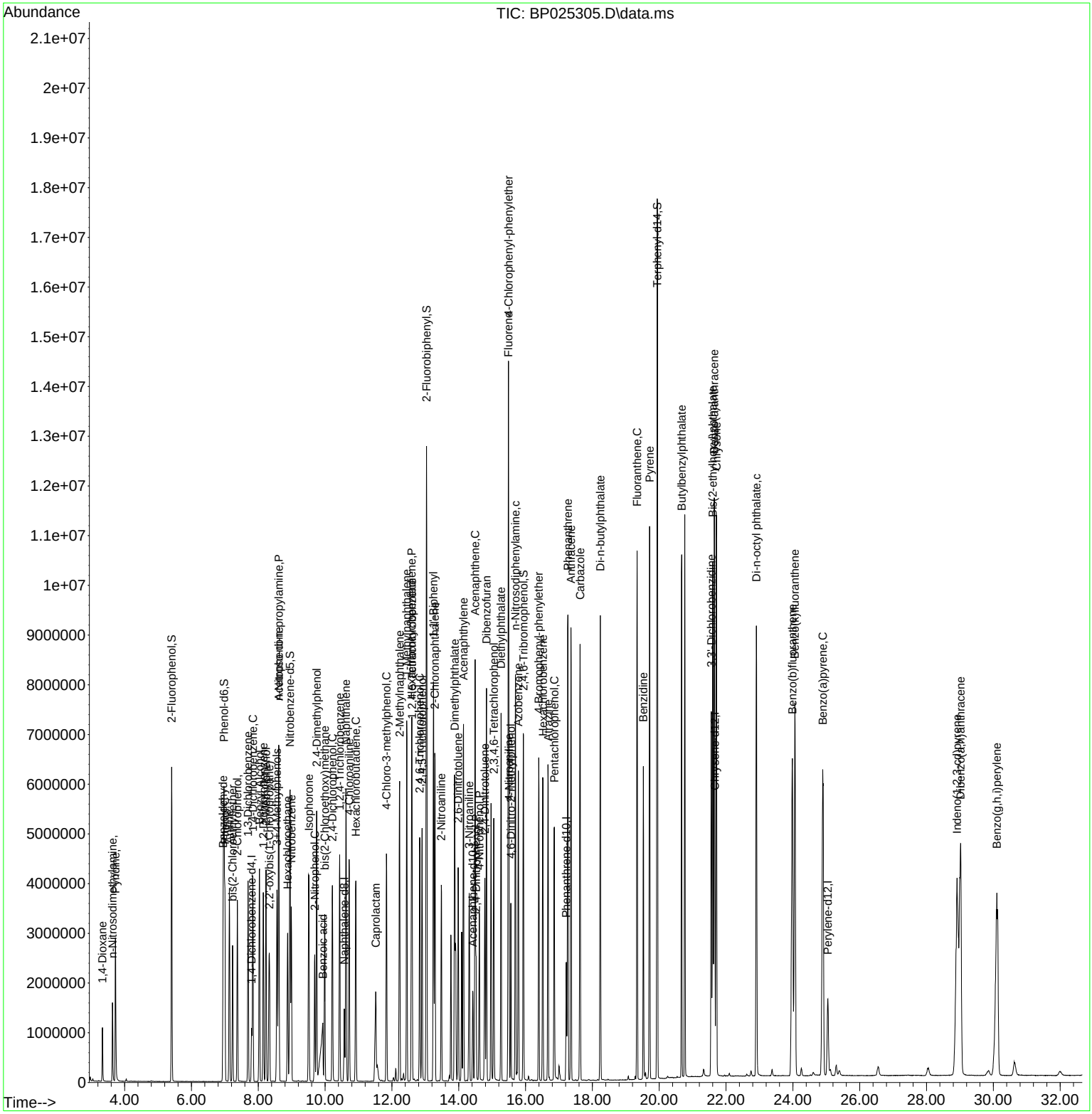
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	1300802	85.453	ng		99
46) 1,1'-Biphenyl	13.243	154	4292450	75.702	ng		100
47) 2-Chloronaphthalene	13.284	162	3350157	77.444	ng		99
48) 2-Nitroaniline	13.478	65	1036853	79.733	ng		97
49) Acenaphthylene	14.143	152	5538691	76.758	ng		99
50) Dimethylphthalate	13.878	163	4226530	75.353	ng		100
51) 2,6-Dinitrotoluene	13.984	165	935818	90.453	ng		94
52) Acenaphthene	14.490	154	3405740	77.379	ng		99
53) 3-Nitroaniline	14.313	138	1104703	91.252	ng		96
54) 2,4-Dinitrophenol	14.519	184	457765	79.662	ng	#	51
55) Dibenzofuran	14.831	168	4843609	73.640	ng		99
56) 4-Nitrophenol	14.619	139	918340	85.952	ng		97
57) 2,4-Dinitrotoluene	14.784	165	1324025	80.213	ng		99
58) Fluorene	15.484	166	3580163	69.303	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.048	232	1079472	84.394	ng		99
60) Diethylphthalate	15.266	149	4248904	75.138	ng		99
61) 4-Chlorophenyl-phenyle...	15.490	204	1716628	70.093	ng		99
62) 4-Nitroaniline	15.507	138	1042796	86.933	ng		97
63) Azobenzene	15.784	77	4018242	76.490	ng		99
65) 4,6-Dinitro-2-methylph...	15.560	198	653490	78.886	ng		95
66) n-Nitrosodiphenylamine	15.695	169	3479218	75.135	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	1177395	76.943	ng		99
68) Hexachlorobenzene	16.519	284	1326894	77.280	ng		98
69) Atrazine	16.678	200	1273257	78.187	ng		99
70) Pentachlorophenol	16.860	266	946571	86.531	ng		99
71) Phenanthrene	17.266	178	6128568	73.575	ng		99
72) Anthracene	17.360	178	6185852	73.651	ng		99
73) Carbazole	17.631	167	5994709	74.355	ng		99
74) Di-n-butylphthalate	18.237	149	7426722	76.144	ng		100
75) Fluoranthene	19.336	202	6952158	72.098	ng		99
77) Benzidine	19.525	184	3244549	63.462	ng		99
78) Pyrene	19.713	202	7242380	77.104	ng		99
80) Butylbenzylphthalate	20.672	149	3308374	86.846	ng		98
81) Benzo(a)anthracene	21.648	228	7117868	75.830	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	2604409	78.640	ng		99
83) Chrysene	21.713	228	6581498	75.596	ng		100
84) Bis(2-ethylhexyl)phtha...	21.601	149	4983234	81.923	ng		100
85) Di-n-octyl phthalate	22.907	149	8622615	84.688	ng		99
87) Indeno(1,2,3-cd)pyrene	28.912	276	8383618	71.220	ng		93
88) Benzo(b)fluoranthene	23.983	252	7663180	78.064	ng		99
89) Benzo(k)fluoranthene	24.060	252	7472413	76.787	ng		99
90) Benzo(a)pyrene	24.895	252	7402973	78.309	ng		99
91) Dibenzo(a,h)anthracene	29.018	278	7708950	80.082	ng		99
92) Benzo(g,h,i)perylene	30.106	276	5816055	61.544	ng		99

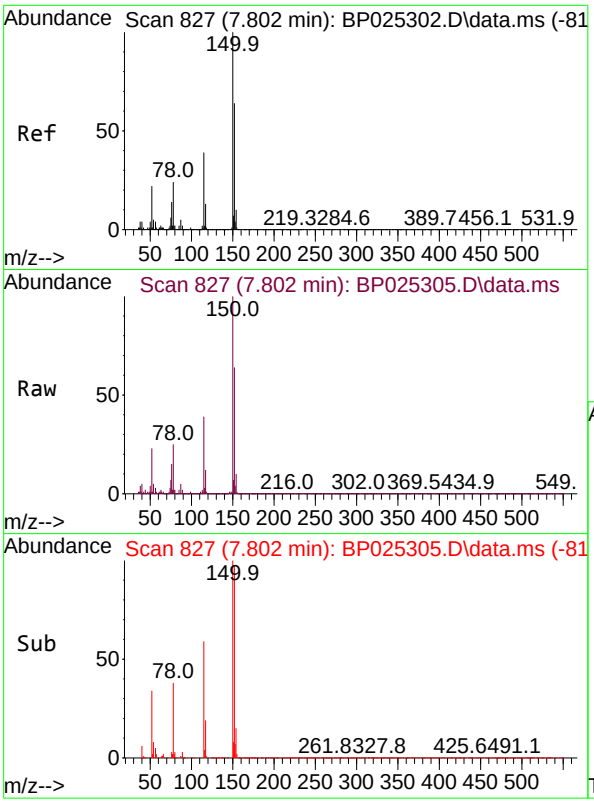
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025305.D
Acq On : 05 Aug 2025 16:51
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 06 06:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 05:56:10 2025
Response via : Initial Calibration



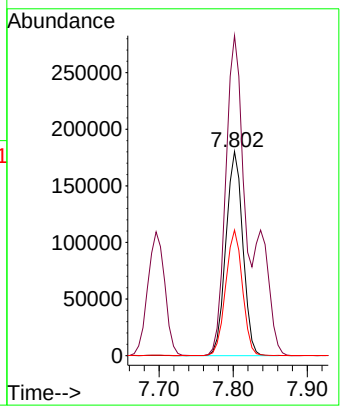


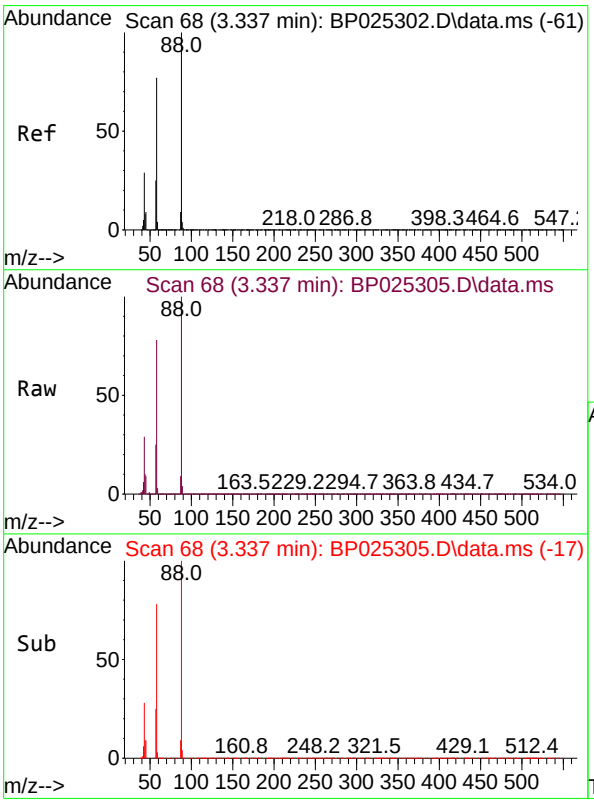
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 285381

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.1	187.7
115	61.5	48.4	72.6

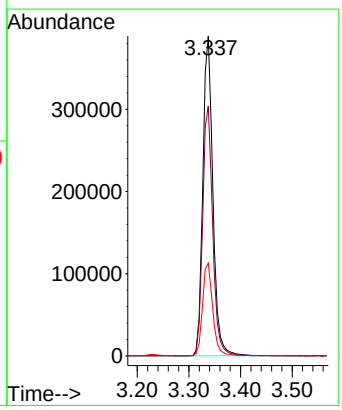


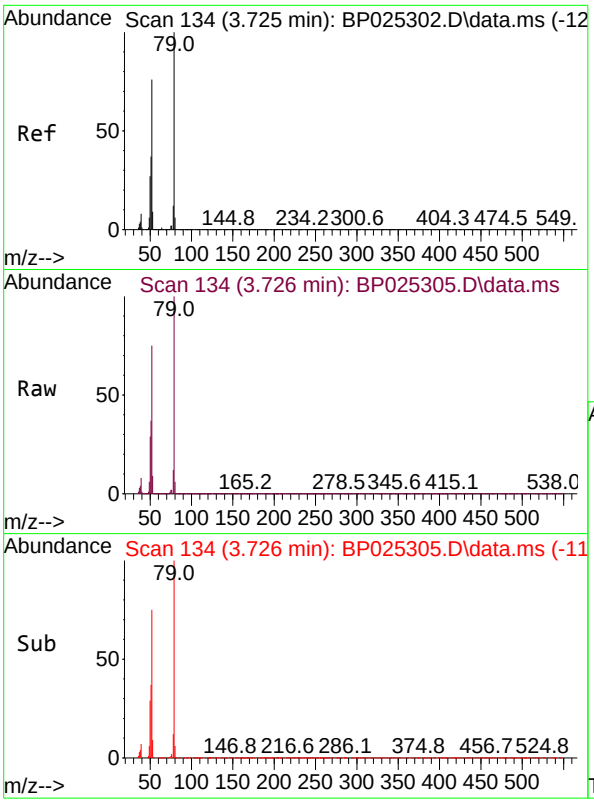


#2
1,4-Dioxane
Concen: 75.001 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 88 Resp: 525165

Ion	Ratio	Lower	Upper
88	100		
58	78.4	61.9	92.9
43	29.2	24.2	36.2



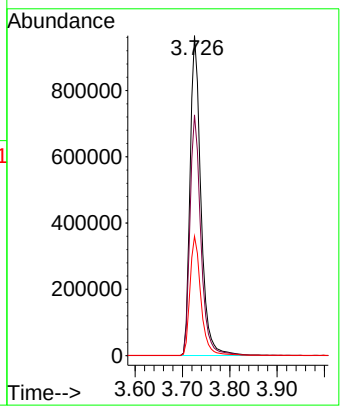


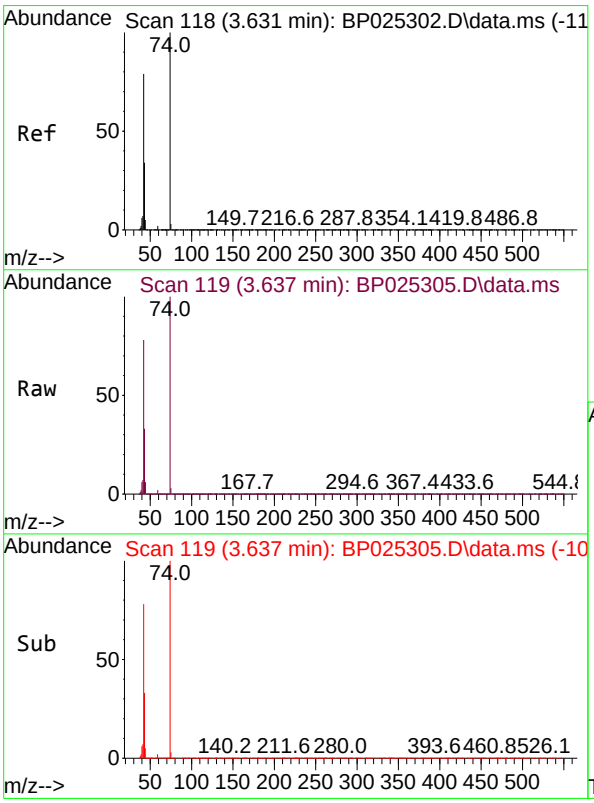
#3
Pyridine
Concen: 79.031 ng
RT: 3.726 min Scan# 1
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1537458

Ion	Ratio	Lower	Upper
79	100		
52	75.2	60.5	90.7
51	37.3	30.2	45.2

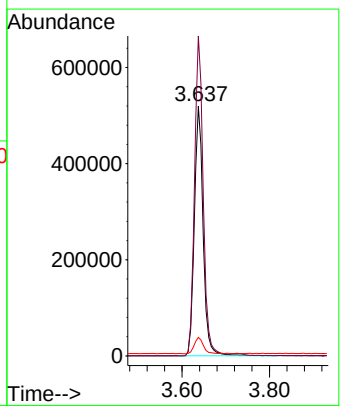


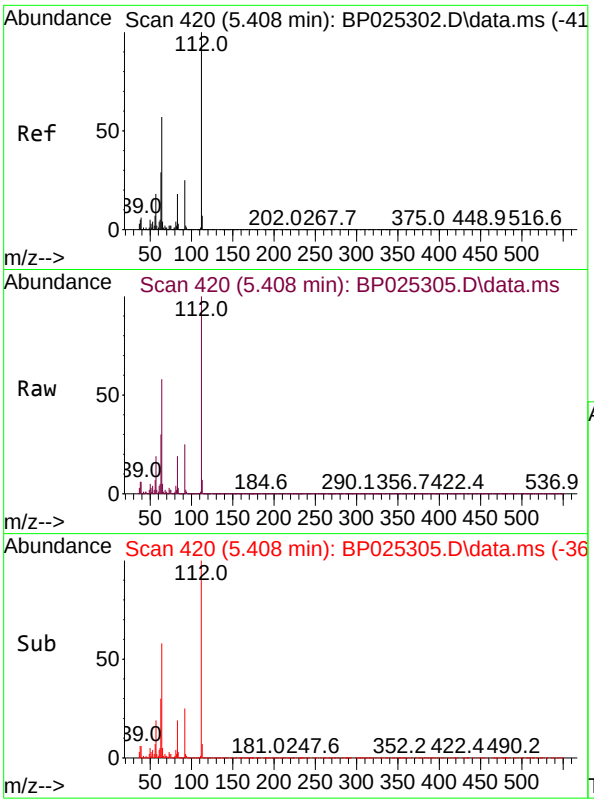


#4
n-Nitrosodimethylamine
Concen: 80.324 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 42 Resp: 725458

Ion	Ratio	Lower	Upper
42	100		
74	128.2	101.4	152.2
44	7.4	7.6	11.4#



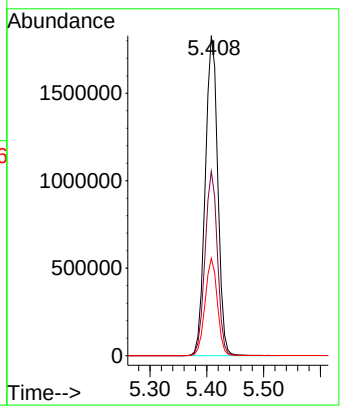


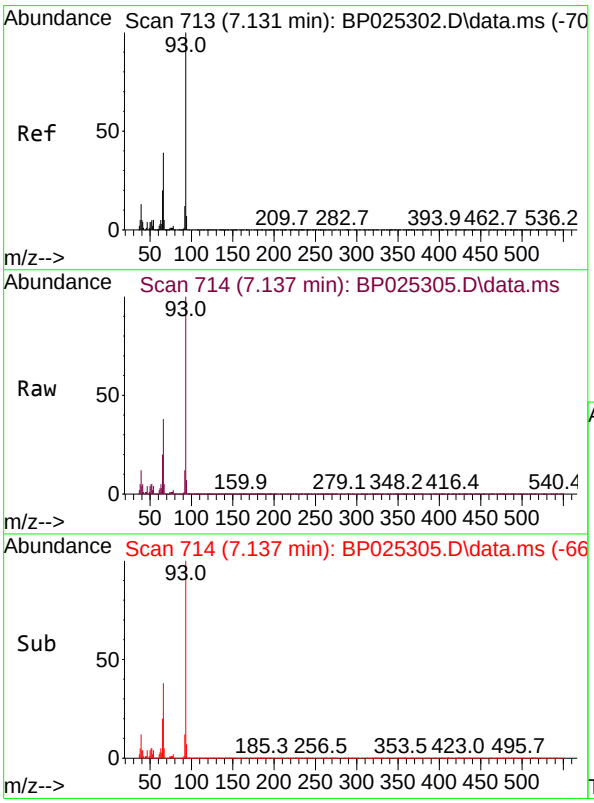
#5
2-Fluorophenol
Concen: 156.621 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2797073

Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	30.4	23.0	34.6

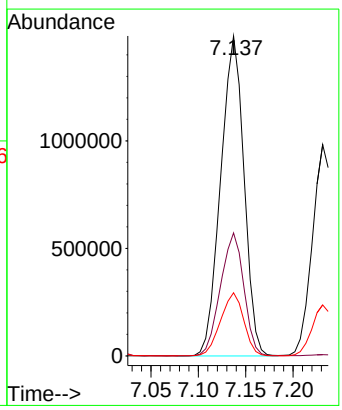


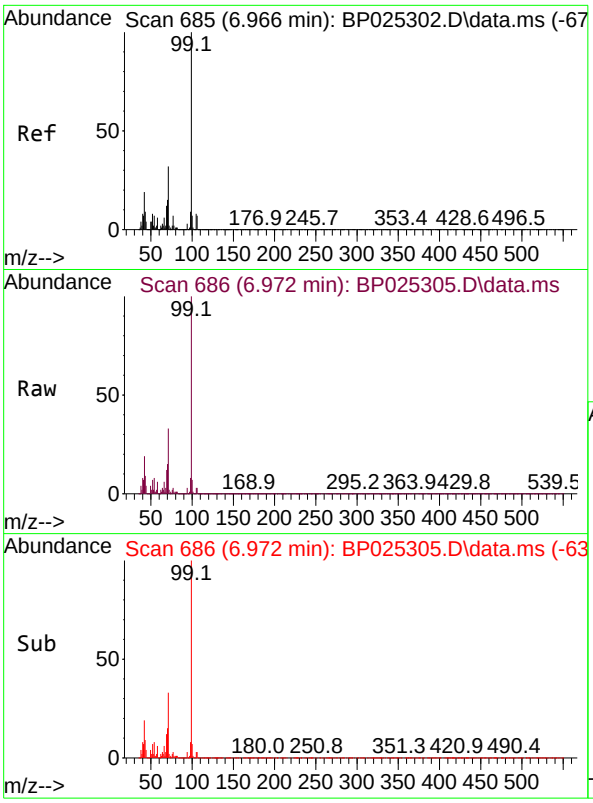


#6
Aniline
Concen: 79.451 ng
RT: 7.137 min Scan# 714
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2546940

Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.1	46.7
65	19.7	15.8	23.8



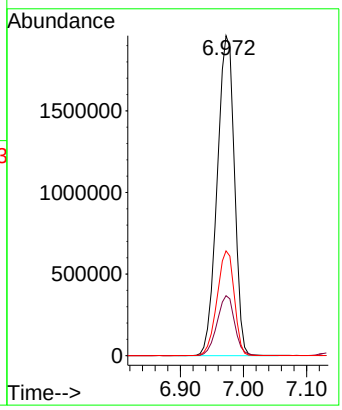


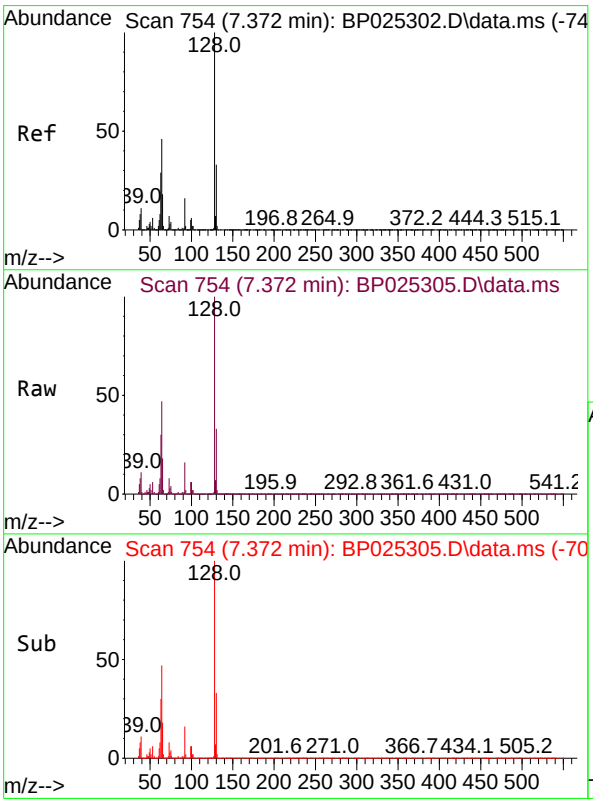
#7
Phenol-d6
Concen: 157.885 ng
RT: 6.972 min Scan# 68
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3719514

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.6
71	32.7	25.5	38.3

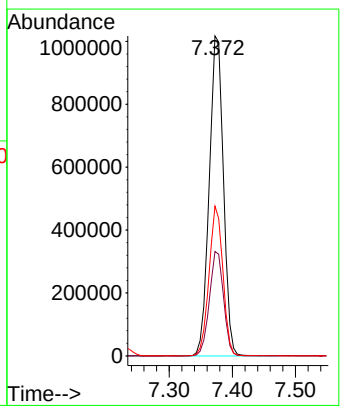


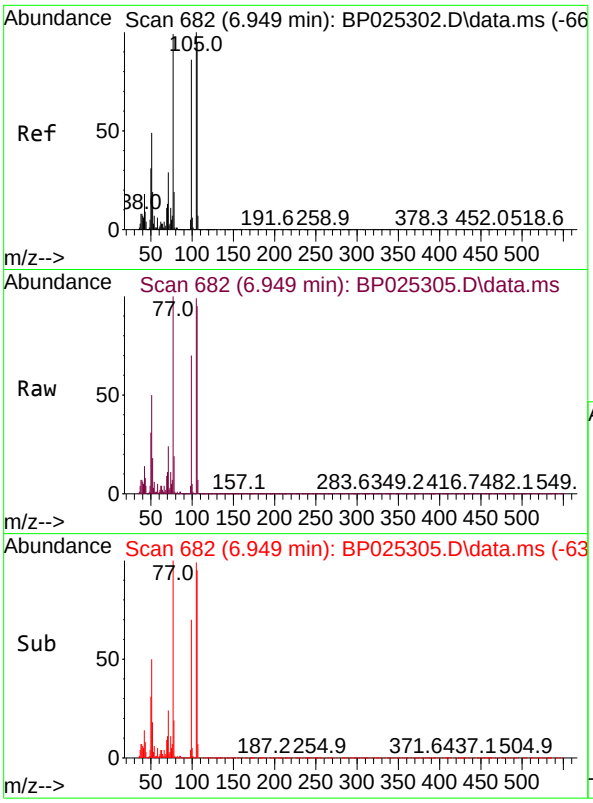


#8
2-Chlorophenol
Concen: 81.930 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:128 Resp: 1591247

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	46.8	26.1	66.1



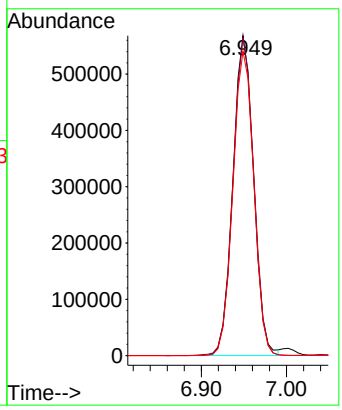


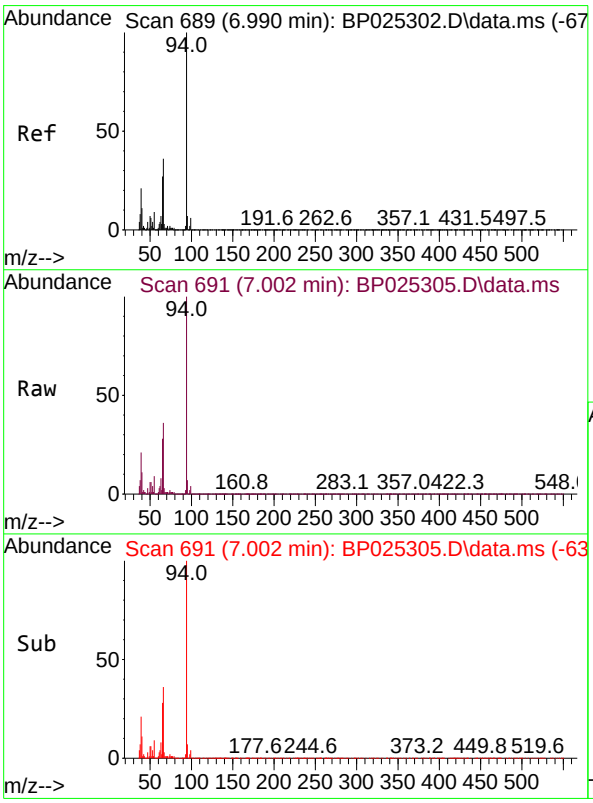
#9
Benzaldehyde
Concen: 57.739 ng
RT: 6.949 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 957654

Ion	Ratio	Lower	Upper
77	100		
105	99.3	81.4	121.4
106	95.1	76.2	116.2

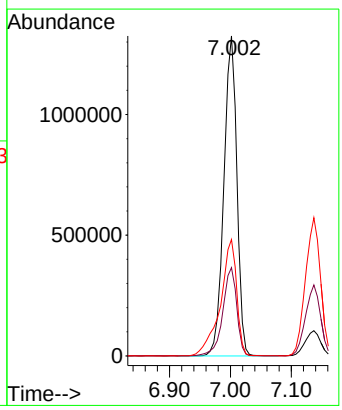


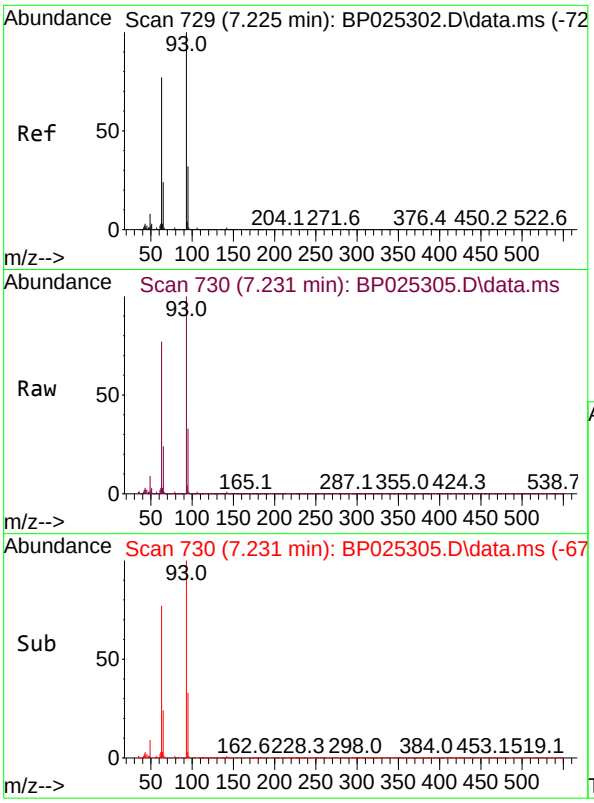


#10
Phenol
Concen: 78.808 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 94 Resp: 1969060

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.3	47.3
66	36.4	15.7	55.7



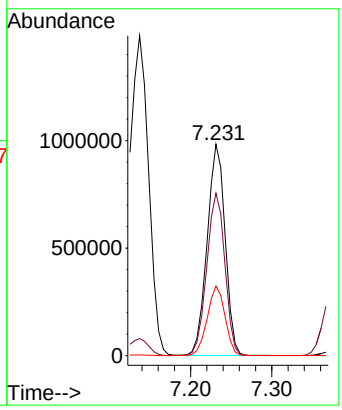


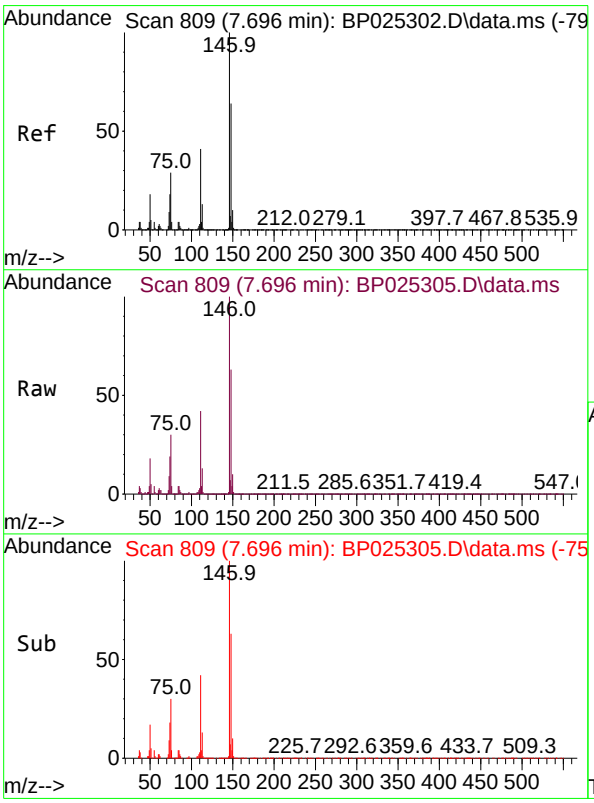
#11
bis(2-Chloroethyl)ether
Concen: 77.407 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1515396

Ion	Ratio	Lower	Upper
93	100		
63	76.9	57.0	97.0
95	32.9	12.1	52.1

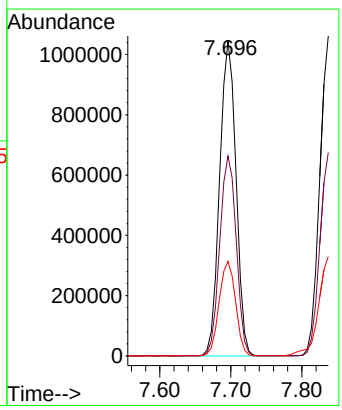


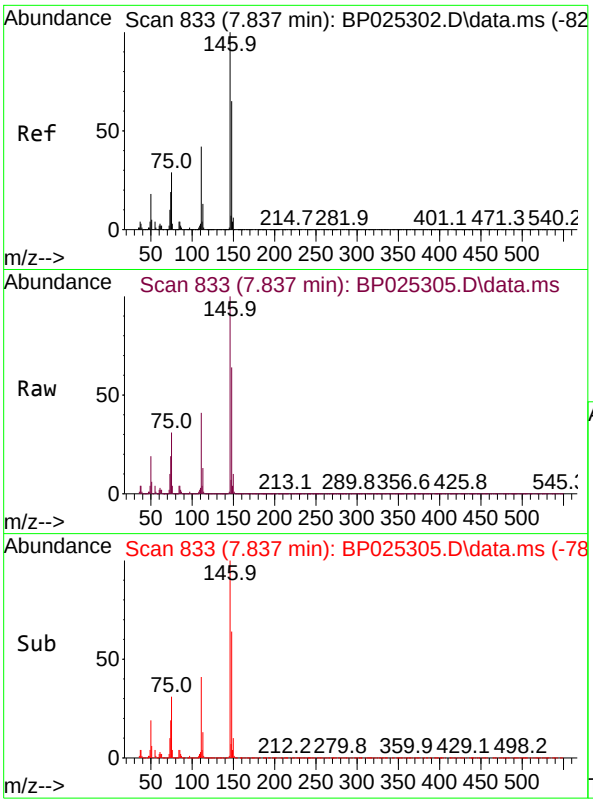


#12
1,3-Dichlorobenzene
Concen: 76.821 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1676489

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.1	76.7
75	30.0	23.2	34.8



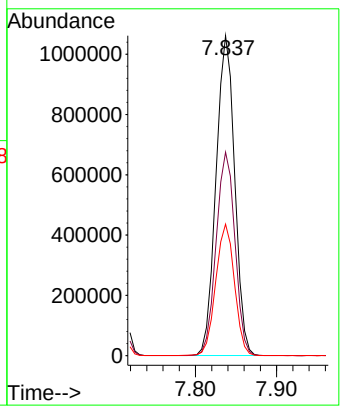


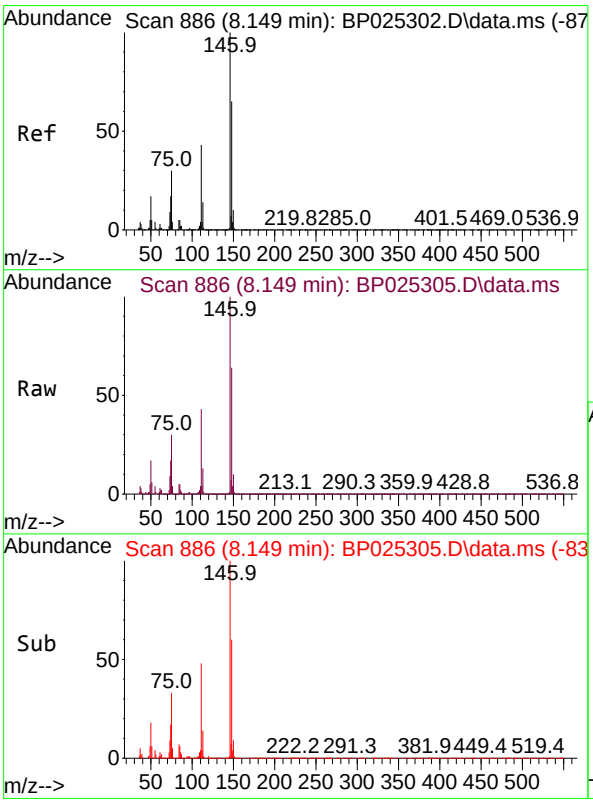
#13
1,4-Dichlorobenzene
Concen: 76.733 ng
RT: 7.837 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1694172

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.0	78.0
111	41.1	33.2	49.8

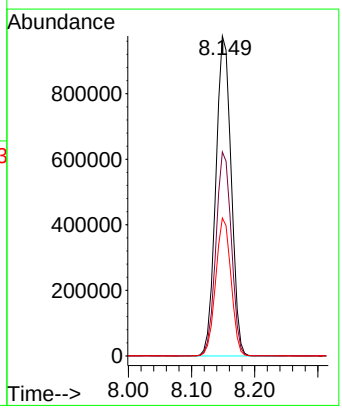


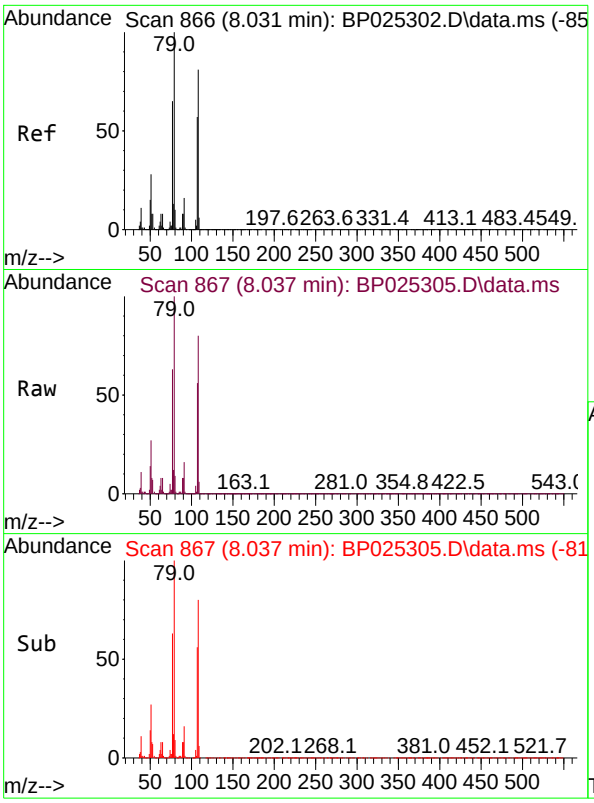


#14
1,2-Dichlorobenzene
Concen: 77.123 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:146 Resp: 1649525

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.9	77.9
111	43.1	34.4	51.6



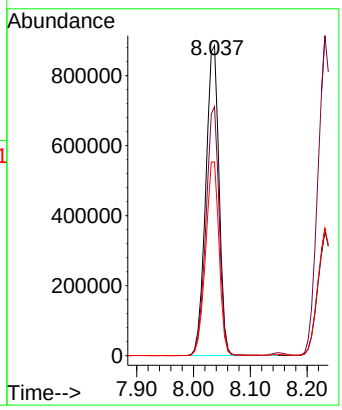


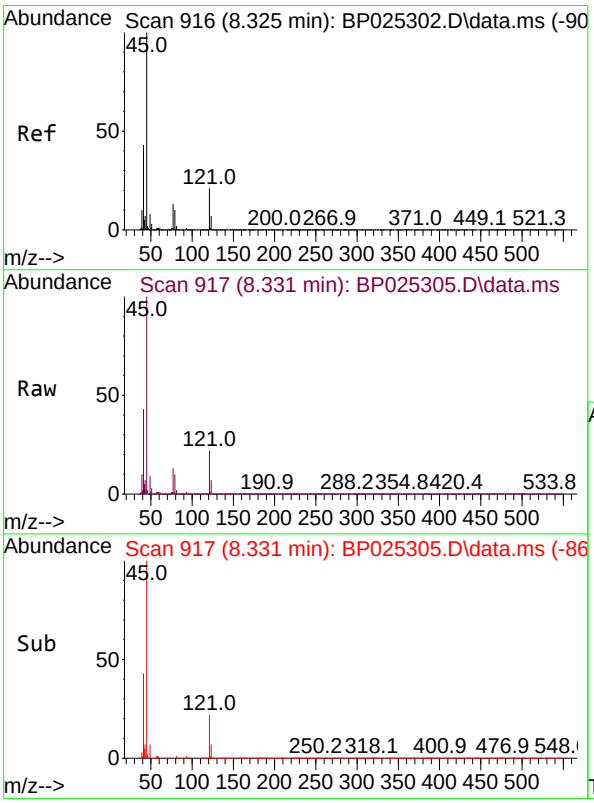
#15
Benzyl Alcohol
Concen: 79.979 ng
RT: 8.037 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1447720

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.5	96.7
77	62.5	51.9	77.9

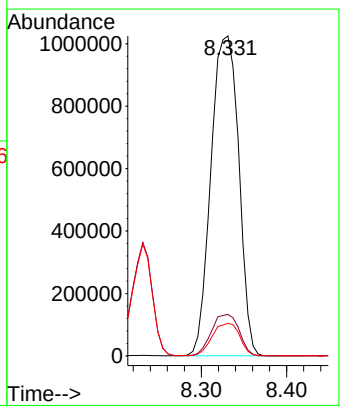


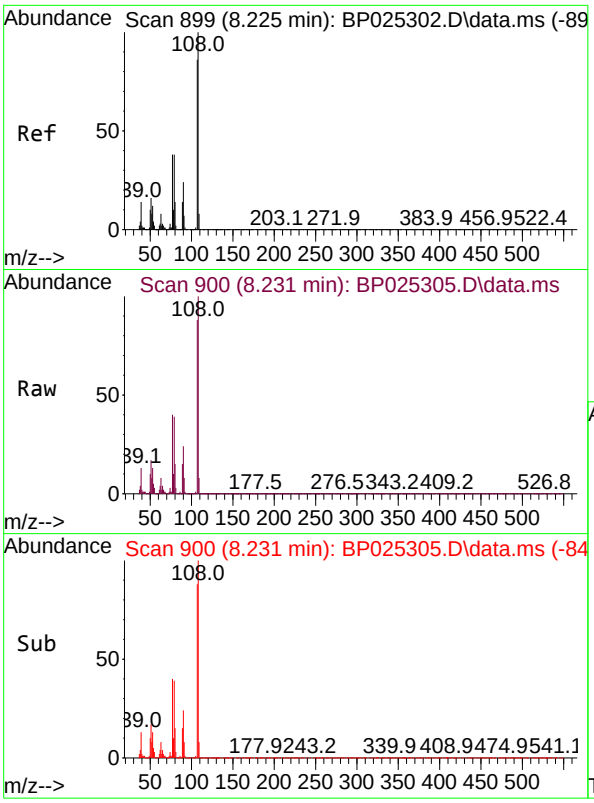


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.053 ng
RT: 8.331 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 45 Resp: 2321074

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	33.0
79	10.2	0.0	29.8



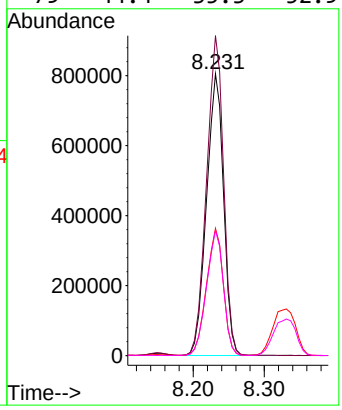


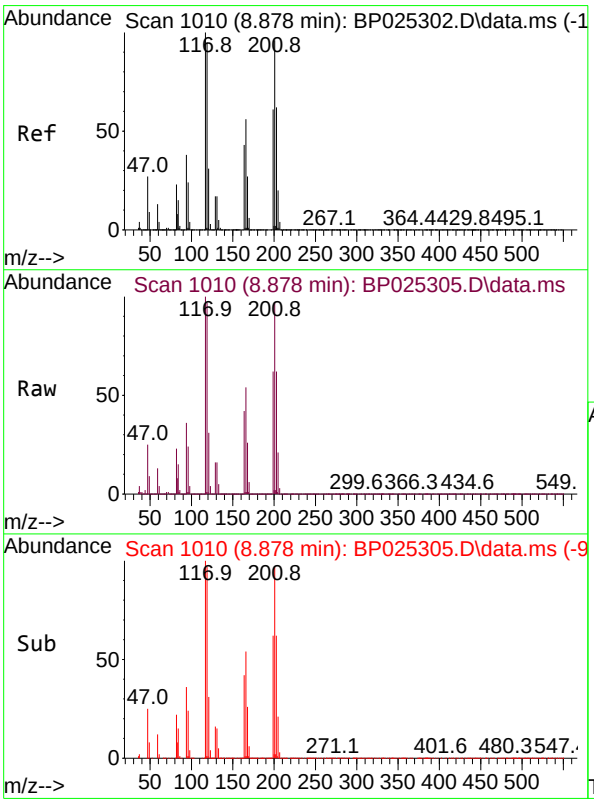
#17
2-Methylphenol
Concen: 80.204 ng
RT: 8.231 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1340886

Ion	Ratio	Lower	Upper
107	100		
108	113.6	92.6	139.0
77	45.2	35.4	53.2
79	44.4	35.3	52.9

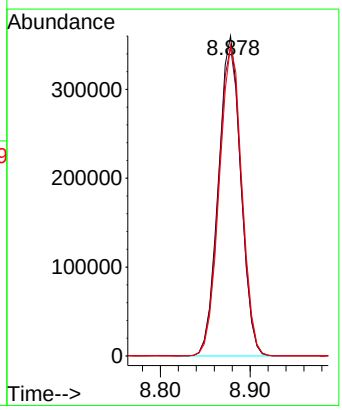


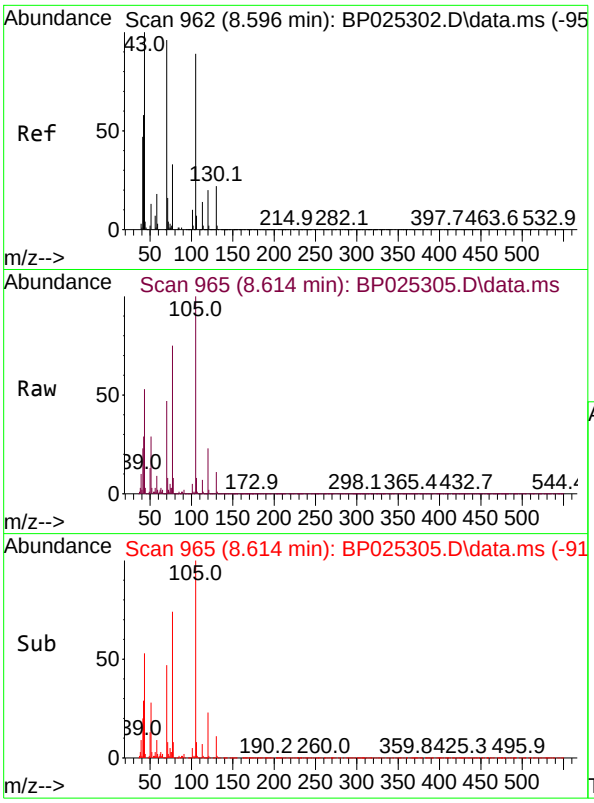


#18
Hexachloroethane
Concen: 79.471 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:117 Resp: 627491

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.8	113.8
201	97.1	76.6	114.8



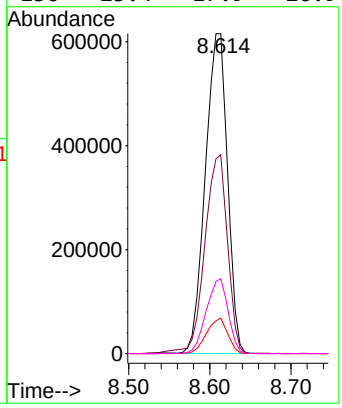


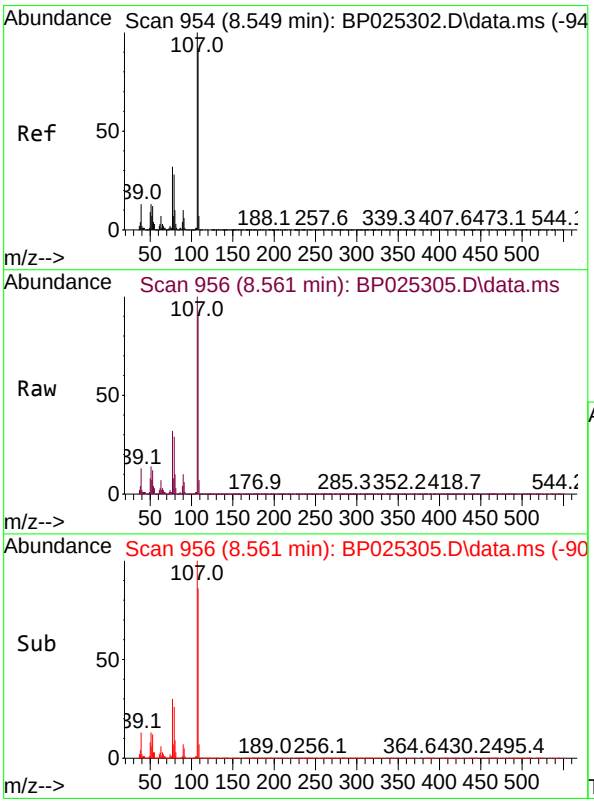
#19
n-Nitroso-di-n-propylamine
Concen: 76.214 ng
RT: 8.614 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 1169323

Ion	Ratio	Lower	Upper
70	100		
42	62.1	49.4	74.0
101	11.1	7.9	11.9
130	23.4	17.9	26.9

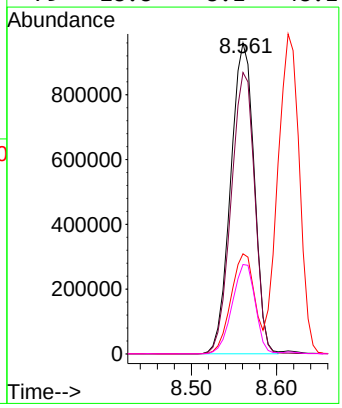


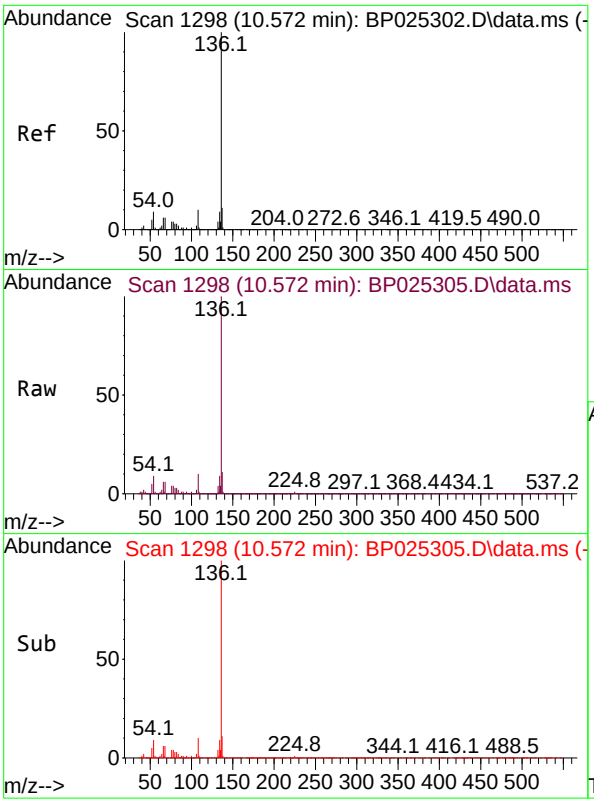


#20
3+4-Methylphenols
Concen: 79.981 ng
RT: 8.561 min Scan# 956
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1841296

Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.9	111.9
77	32.2	12.0	52.0
79	28.8	8.1	48.1



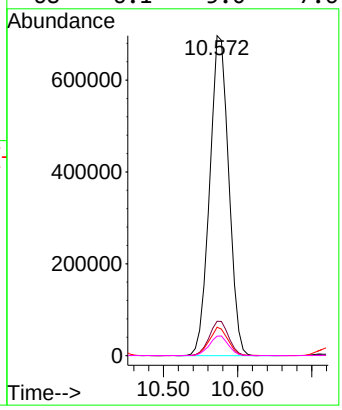


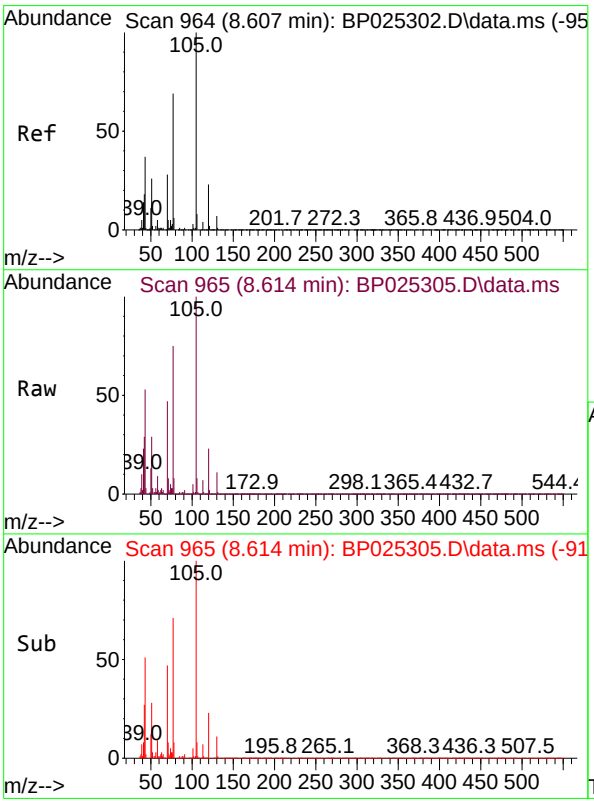
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1243913

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.9	7.0	10.6
68	6.1	5.0	7.6

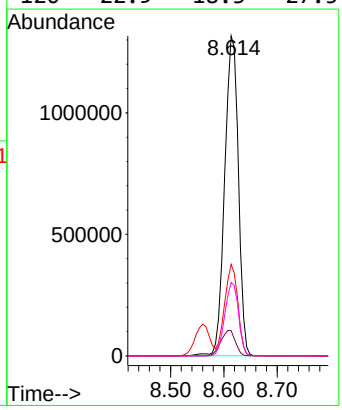


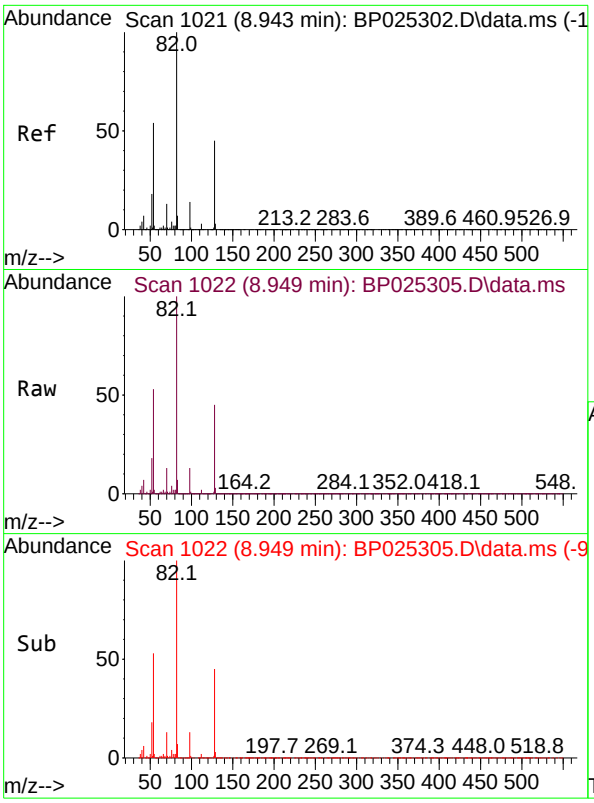


#22
Acetophenone
Concen: 75.200 ng
RT: 8.614 min Scan# 965
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:105 Resp: 2348273

Ion	Ratio	Lower	Upper
105	100		
71	7.9	4.1	6.1#
51	28.6	22.7	34.1
120	22.9	18.3	27.5



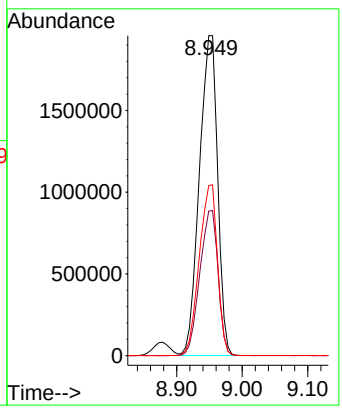


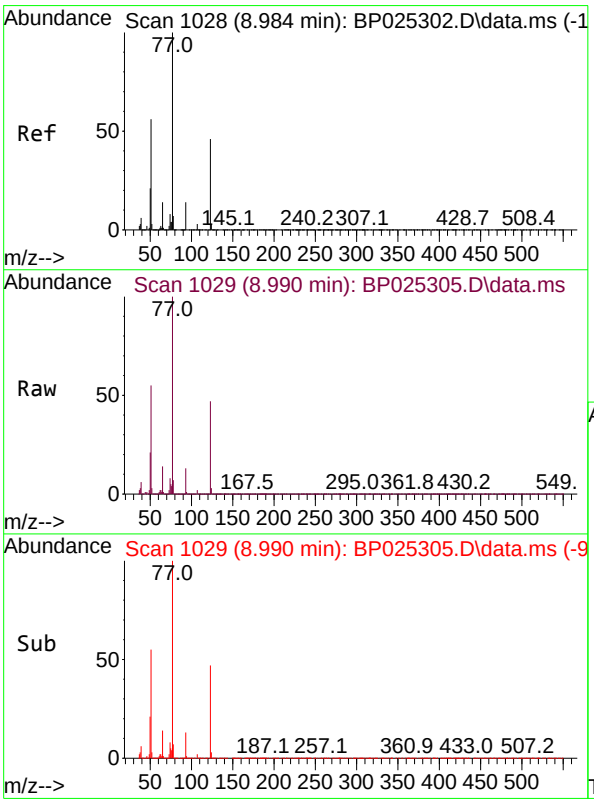
#23
Nitrobenzene-d5
Concen: 164.165 ng
RT: 8.949 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3774237

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.4	53.2
54	53.1	42.9	64.3

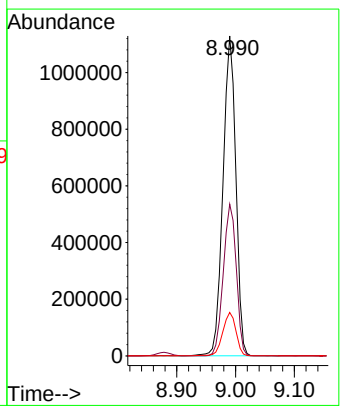


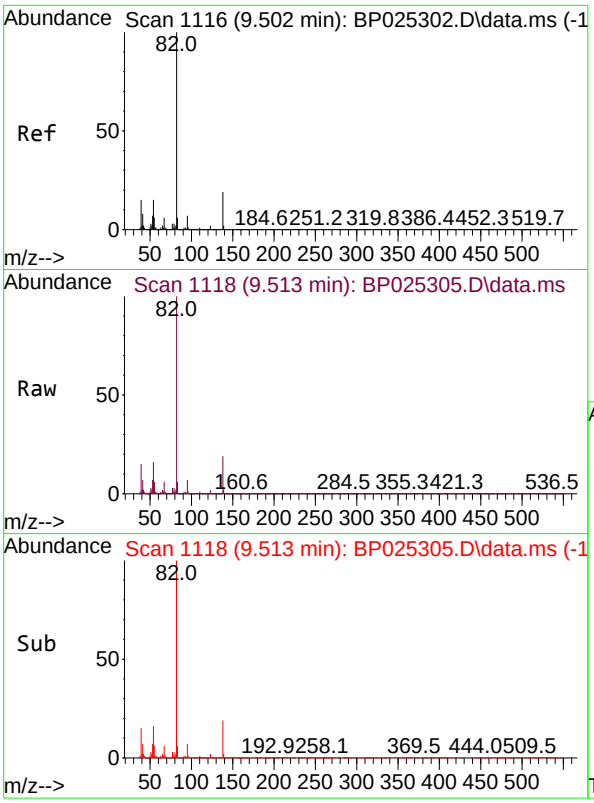


#24
Nitrobenzene
Concen: 80.892 ng
RT: 8.990 min Scan# 1029
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 77 Resp: 1719289

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.4	56.2
65	13.6	11.1	16.7



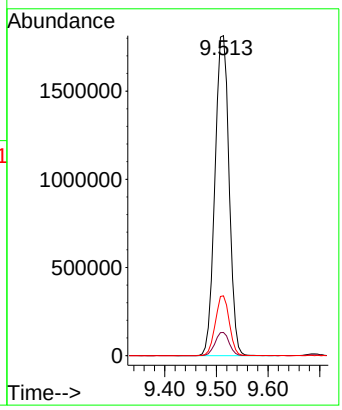


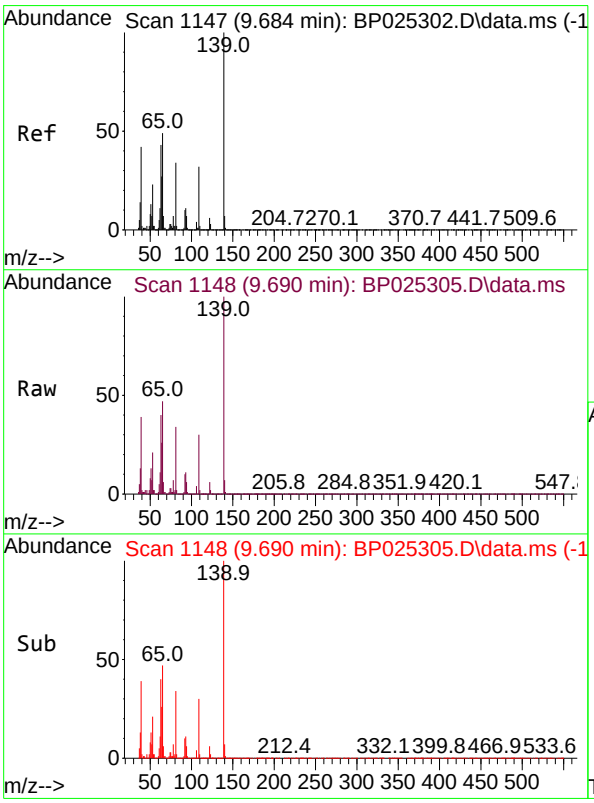
#25
Isophorone
Concen: 76.970 ng
RT: 9.513 min Scan# 11
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3440086

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	18.7	15.0	22.6

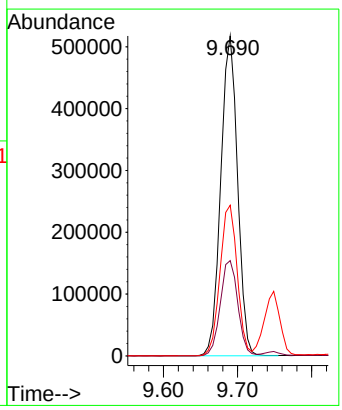


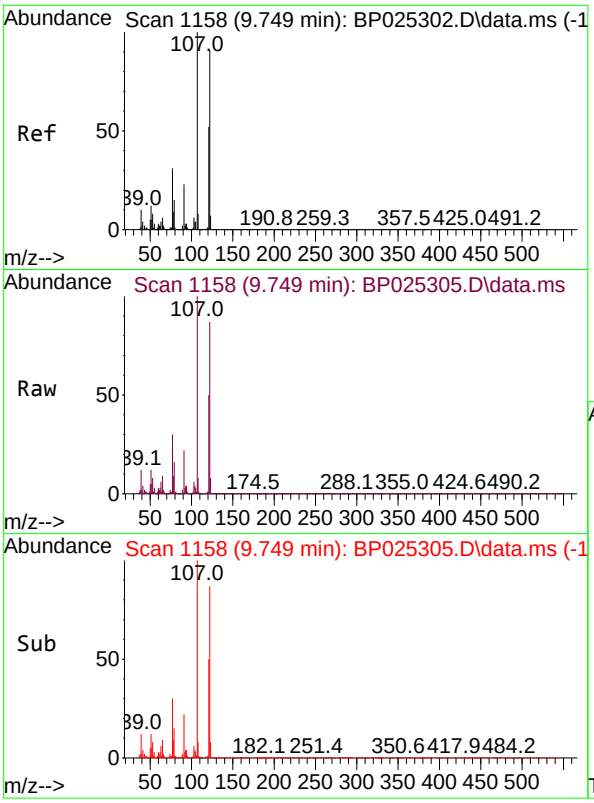


#26
2-Nitrophenol
Concen: 84.806 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 813124

Ion	Ratio	Lower	Upper
139	100		
109	29.8	25.2	37.8
65	47.1	39.6	59.4



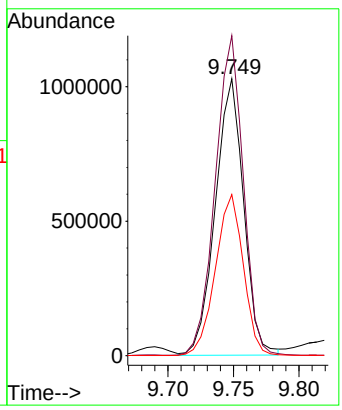


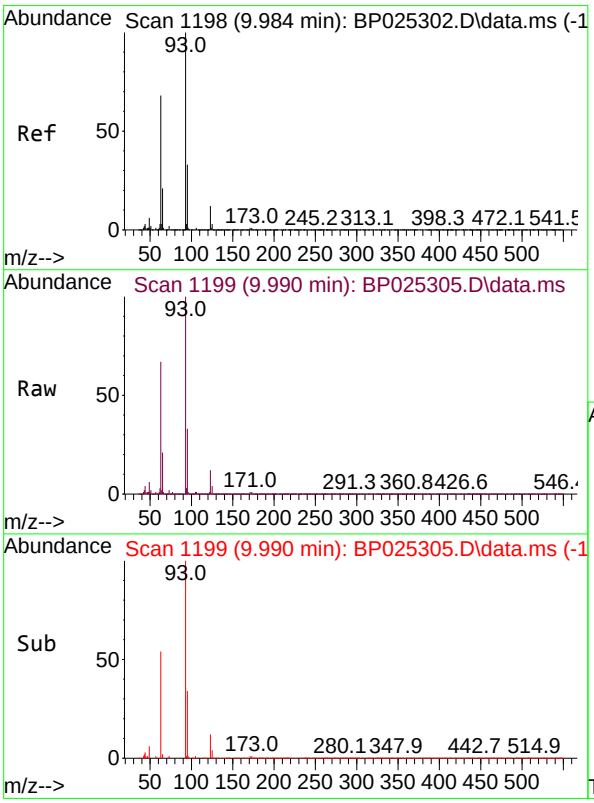
#27
2,4-Dimethylphenol
Concen: 75.090 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1547266

Ion	Ratio	Lower	Upper
122	100		
107	115.6	87.4	131.0
121	58.2	45.8	68.8

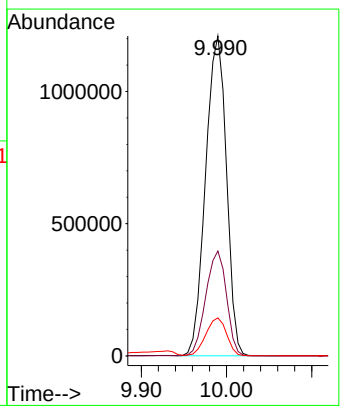


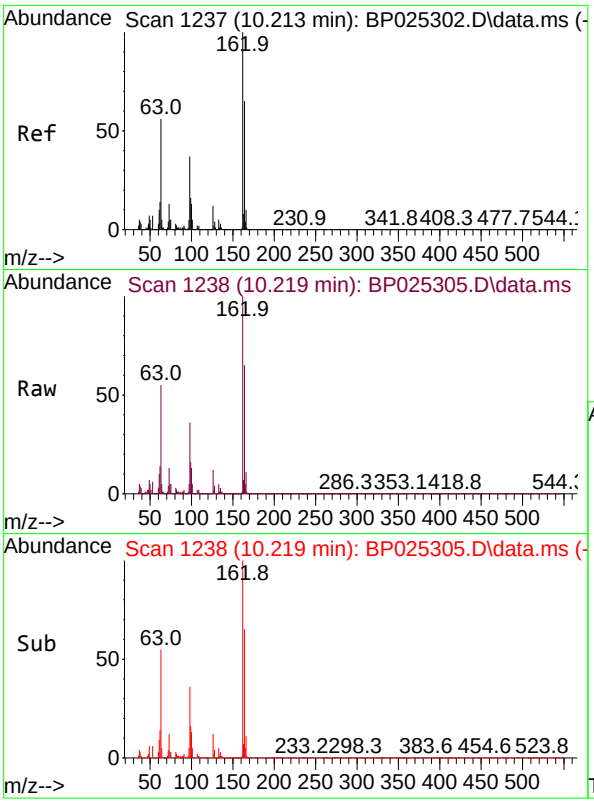


#28
bis(2-Chloroethoxy)methane
Concen: 75.555 ng
RT: 9.990 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 93 Resp: 2054235

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	11.9	9.4	14.2



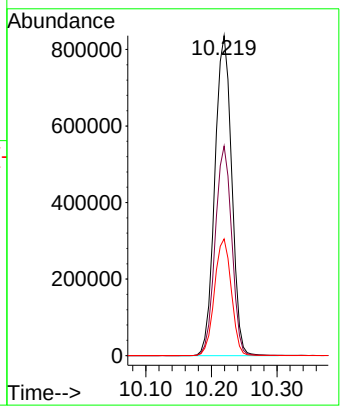


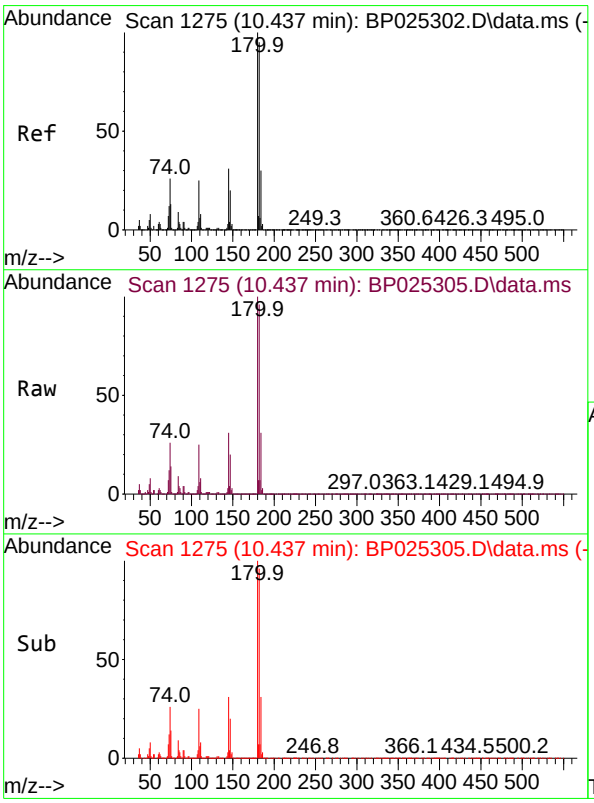
#29
2,4-Dichlorophenol
Concen: 82.826 ng
RT: 10.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1494161

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.2	85.2
98	36.5	17.5	57.5

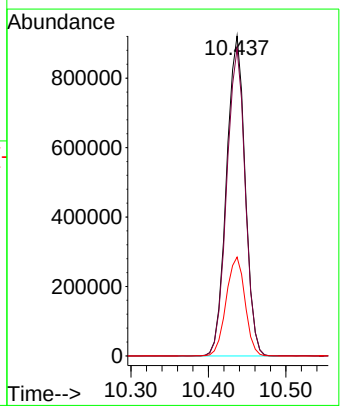


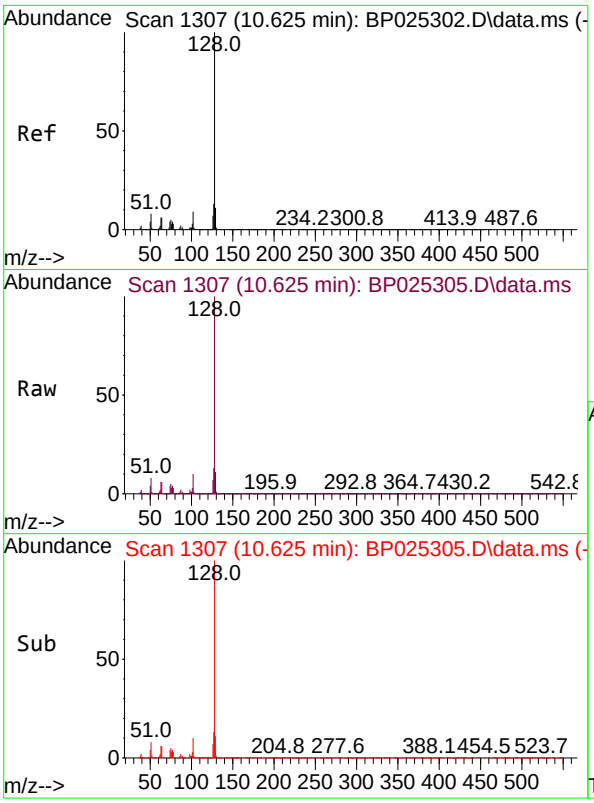


#30
1,2,4-Trichlorobenzene
Concen: 77.166 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:180 Resp: 1535792

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
145	30.9	25.0	37.4



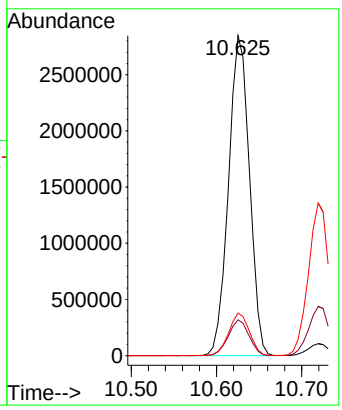


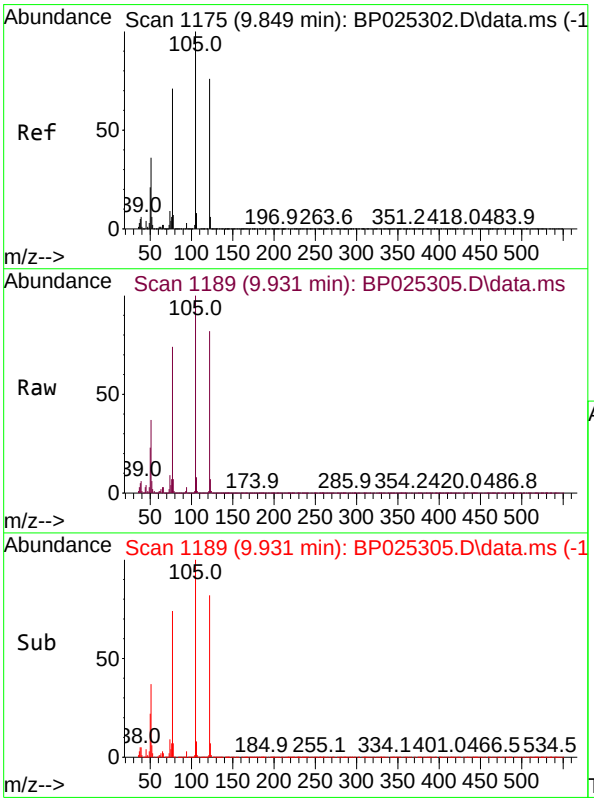
#31
Naphthalene
Concen: 75.289 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4861744

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.4	15.6

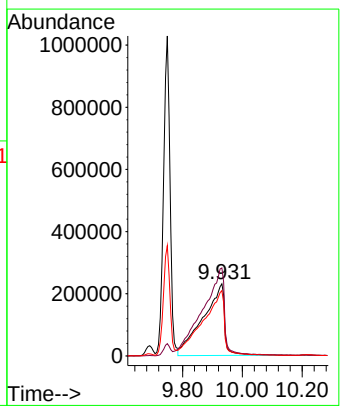


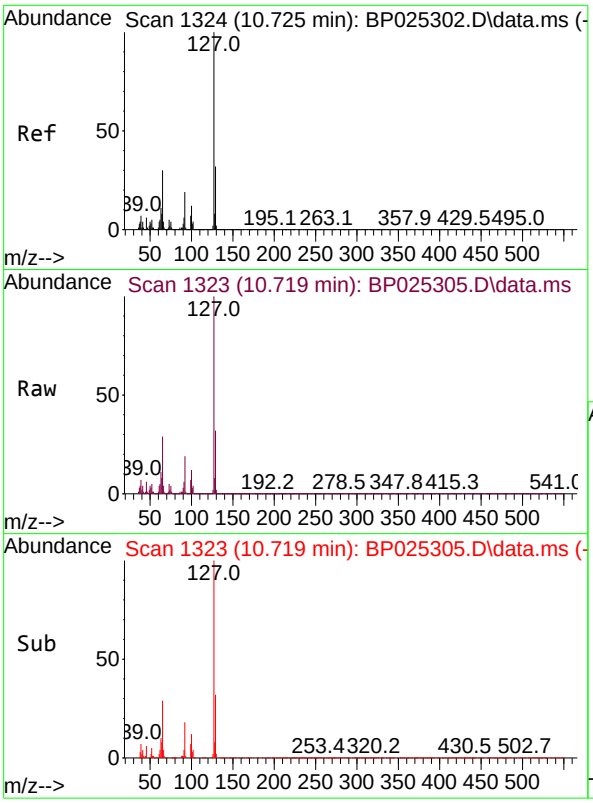


#32
Benzoic acid
Concen: 79.253 ng
RT: 9.931 min Scan# 1189
Delta R.T. 0.082 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:122 Resp: 1160103

Ion	Ratio	Lower	Upper
122	100		
105	122.1	104.0	144.0
77	90.6	71.8	111.8



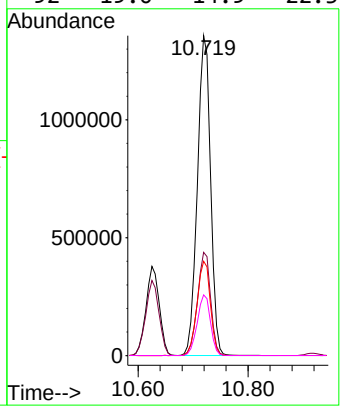


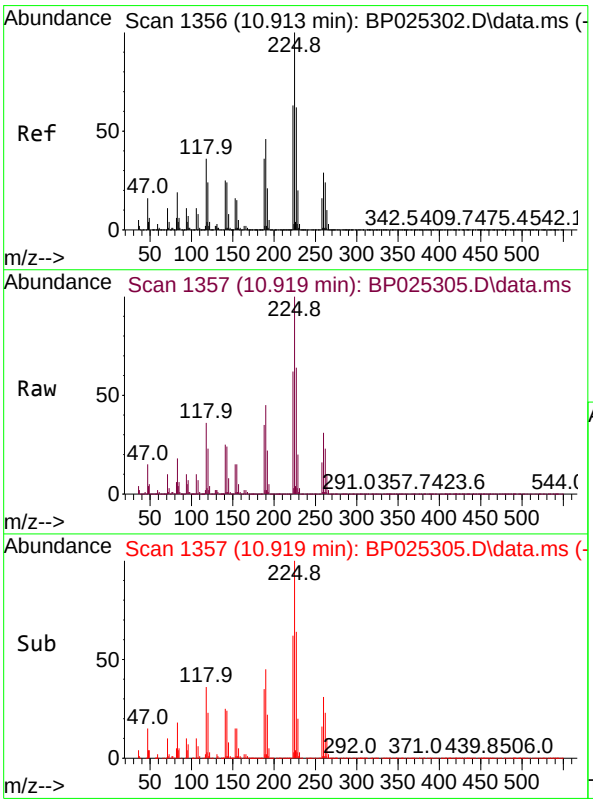
#33
4-Chloroaniline
Concen: 78.523 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 2255163

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.5	23.6	35.4
92	19.0	14.9	22.3

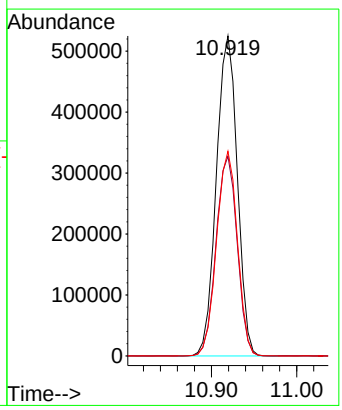


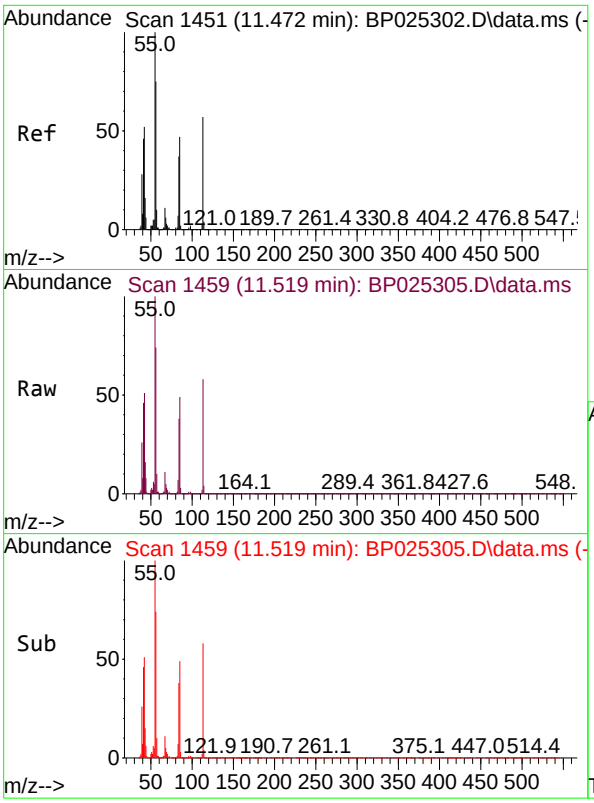


#34
Hexachlorobutadiene
Concen: 78.411 ng
RT: 10.919 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:225 Resp: 895811

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	63.9	49.7	74.5



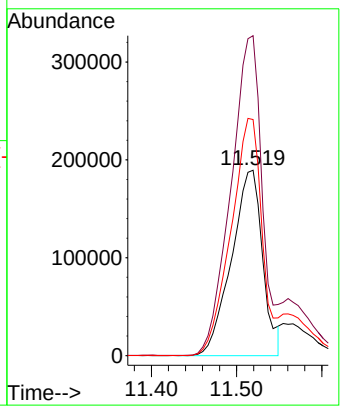


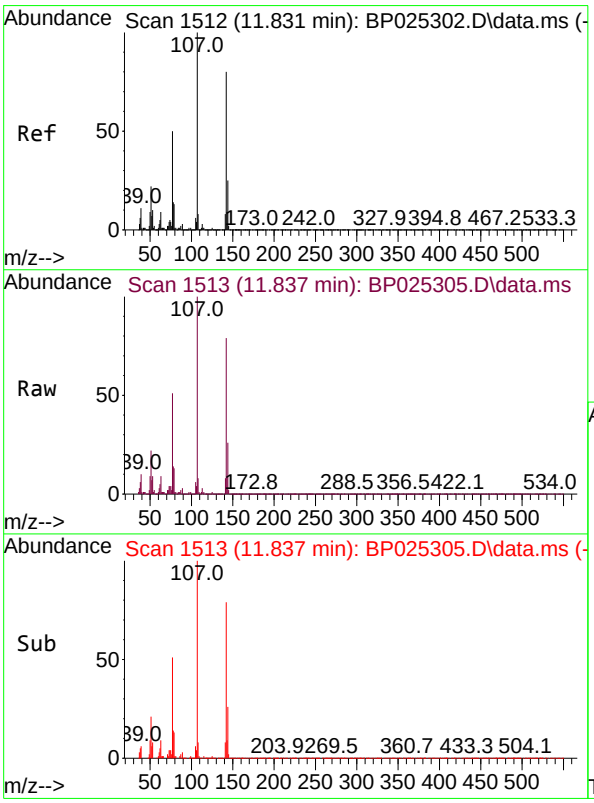
#35
Caprolactam
Concen: 68.516 ng
RT: 11.519 min Scan# 14
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 480566

Ion	Ratio	Lower	Upper
113	100		
55	172.7	154.4	194.4
56	127.3	110.9	150.9

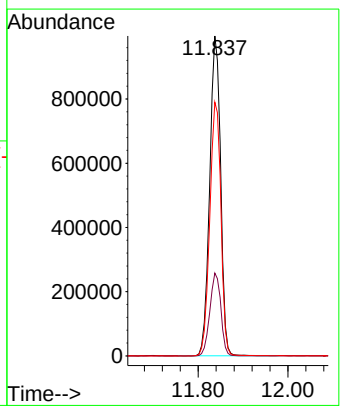


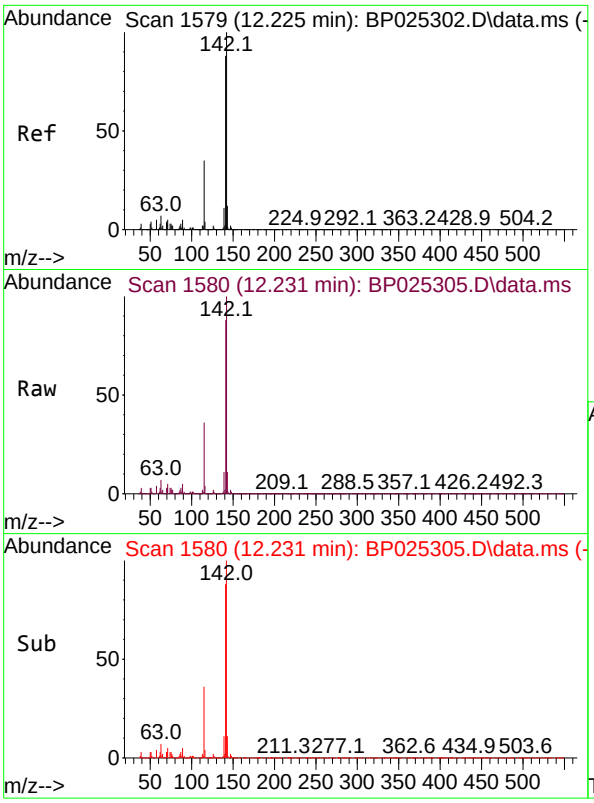


#36
4-Chloro-3-methylphenol
Concen: 80.535 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:107 Resp: 1681089

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.4	30.6
142	79.3	63.7	95.5



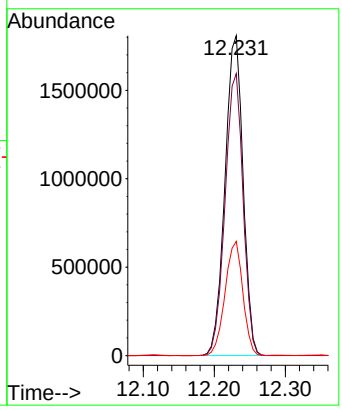


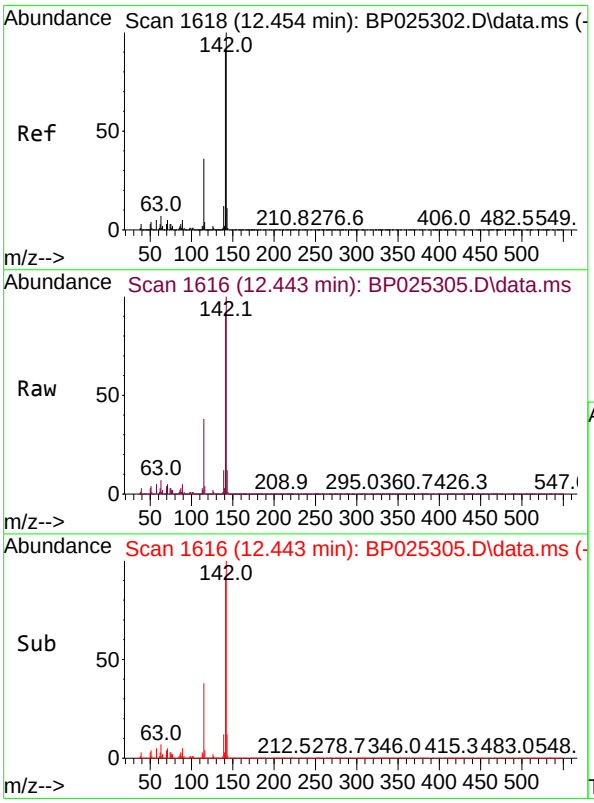
#37
2-Methylnaphthalene
Concen: 76.670 ng
RT: 12.231 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 3204508

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	35.7	28.0	42.0

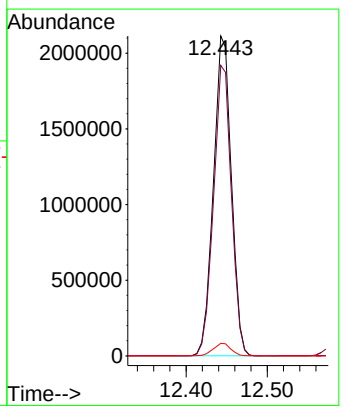


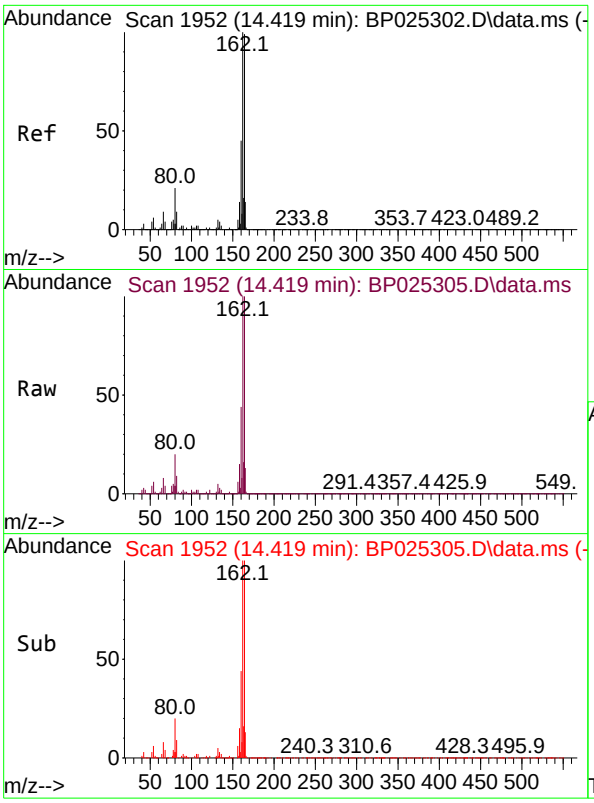


#38
1-Methylnaphthalene
Concen: 74.197 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:142 Resp: 3235826

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.0	109.6
116	3.9	3.0	4.6



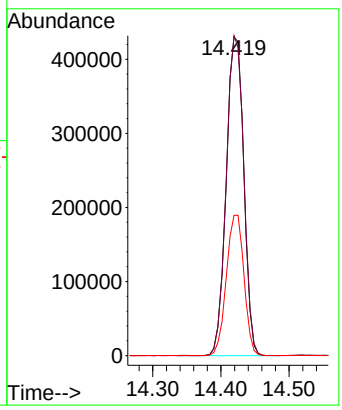


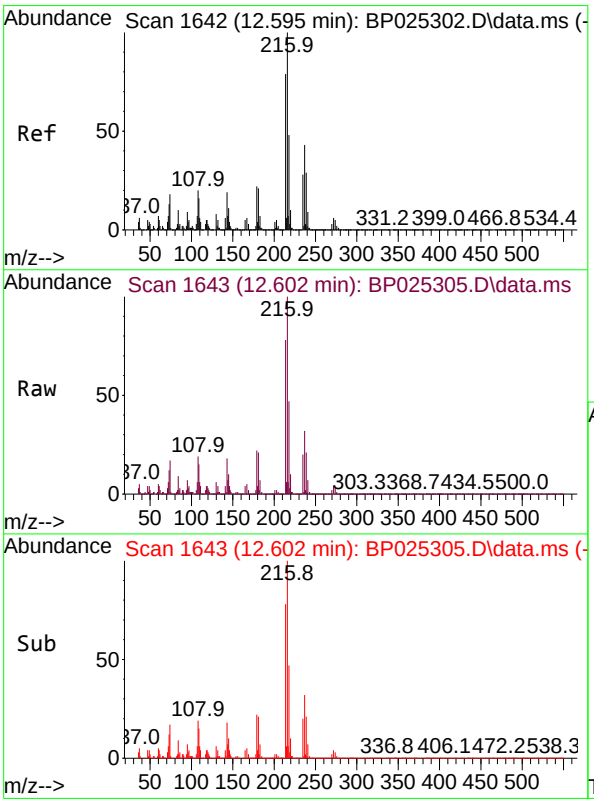
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 769412

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.0	35.9	53.9

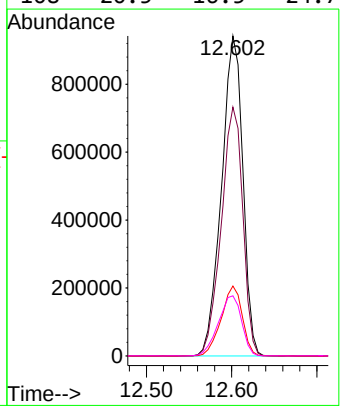


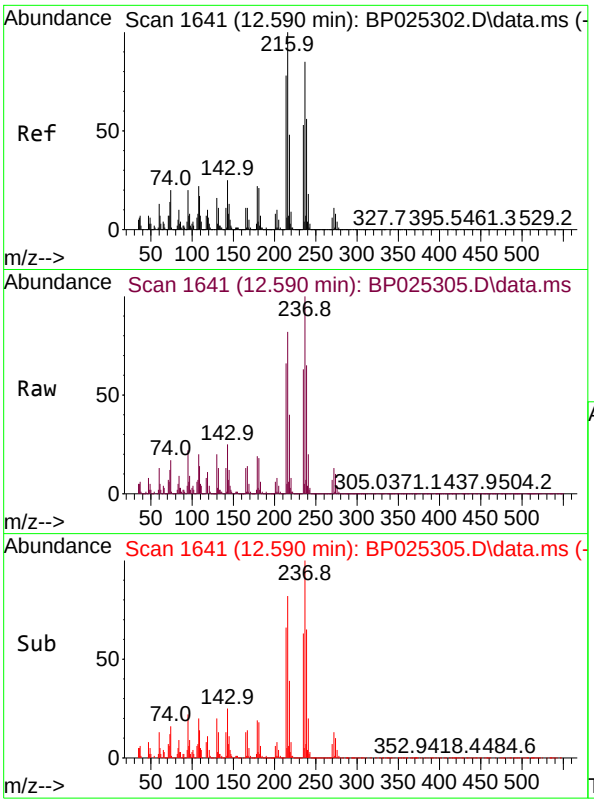


#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.897 ng
RT: 12.602 min Scan# 1643
Delta R.T. 0.007 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:216 Resp: 1636320

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.4	93.6
179	21.6	17.5	26.3
108	20.5	16.5	24.7



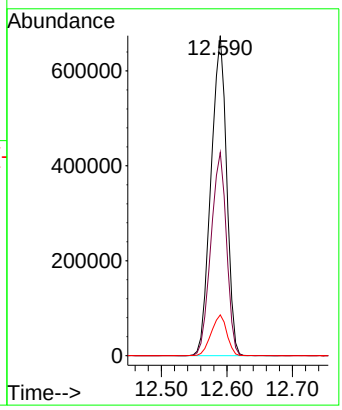


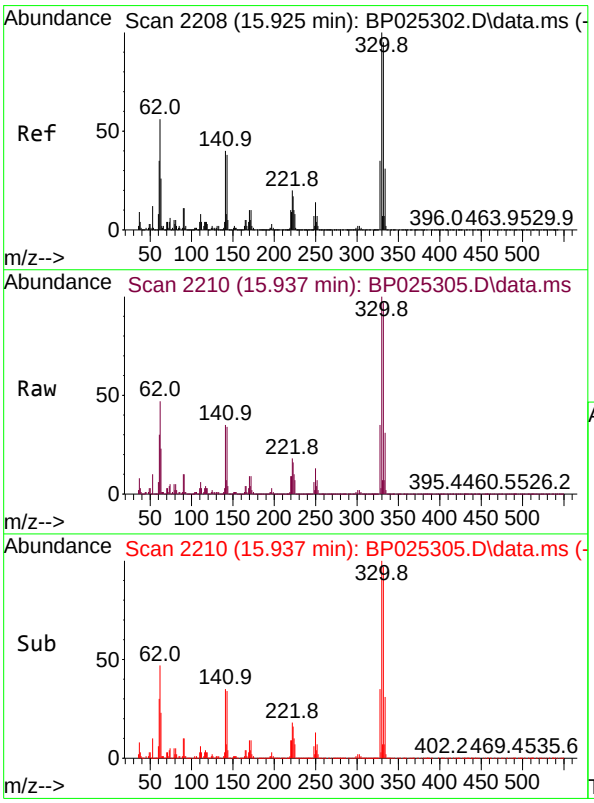
#41
Hexachlorocyclopentadiene
Concen: 86.171 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 1117188

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.2	82.2
272	12.7	0.0	32.8

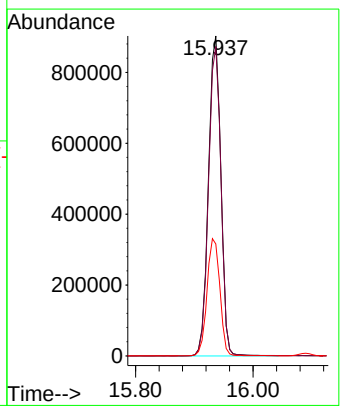


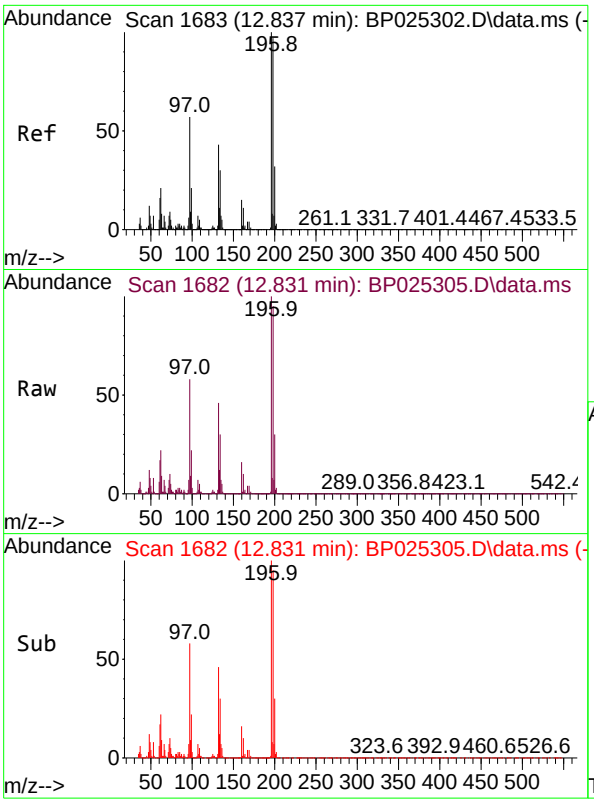


#42
2,4,6-Tribromophenol
Concen: 166.729 ng
RT: 15.937 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:330 Resp: 1324517

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	38.0	31.7	47.5



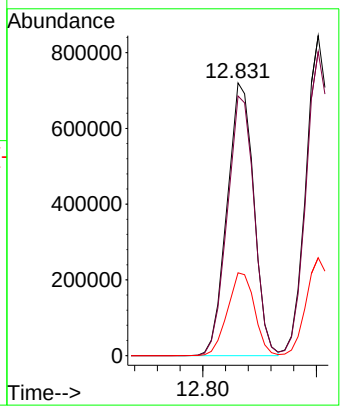


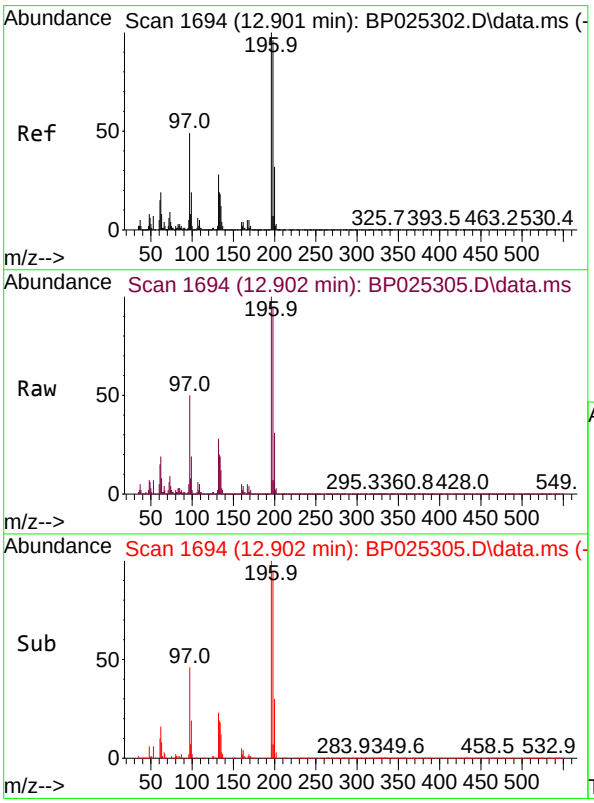
#43
2,4,6-Trichlorophenol
Concen: 86.791 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1177739

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
200	30.4	25.4	38.2

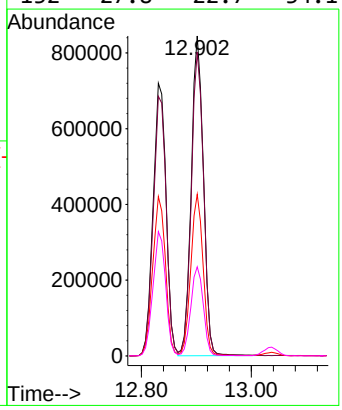


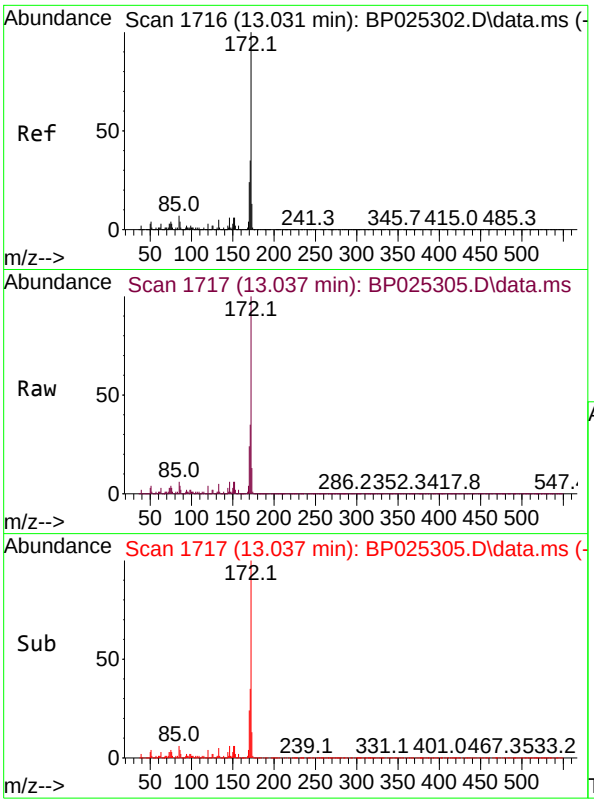


#44
2,4,5-Trichlorophenol
Concen: 85.453 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:196 Resp: 1300802

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.6	114.8
97	50.5	39.5	59.3
132	27.8	22.7	34.1



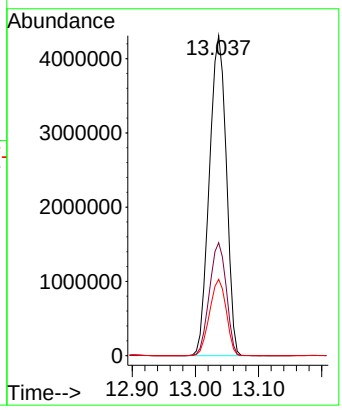


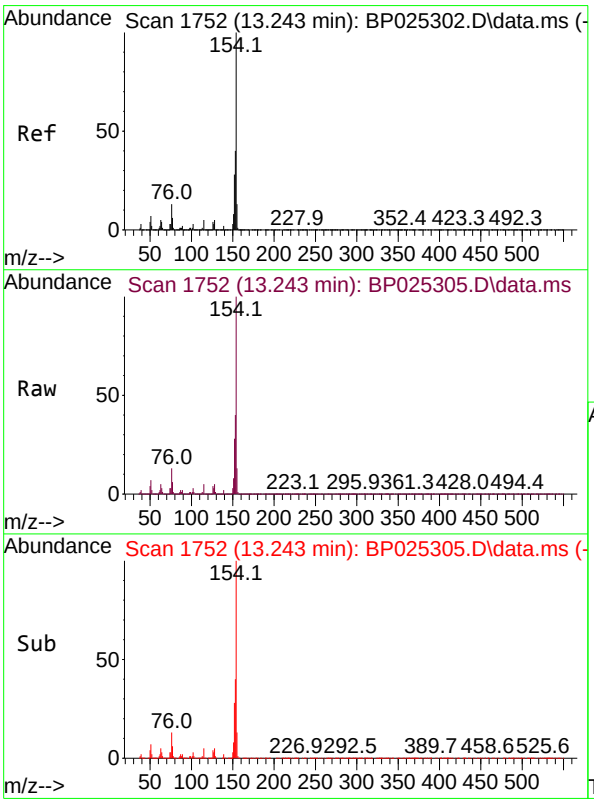
#45
2-Fluorobiphenyl
Concen: 144.776 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 8021955

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.9	18.9	28.3

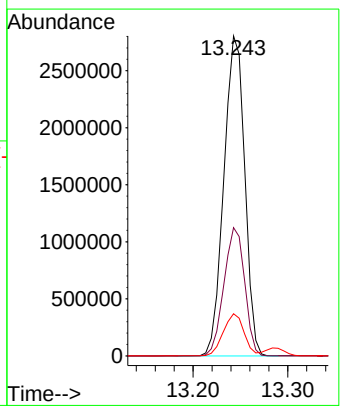


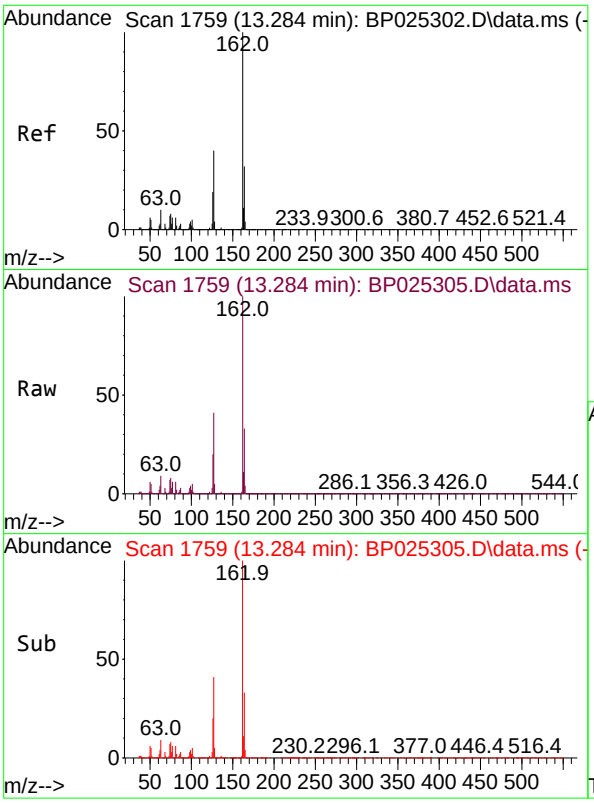


#46
1,1'-Biphenyl
Concen: 75.702 ng
RT: 13.243 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 4292450

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.9	59.9
76	13.2	0.0	33.2



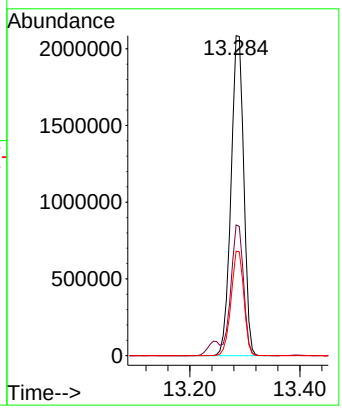


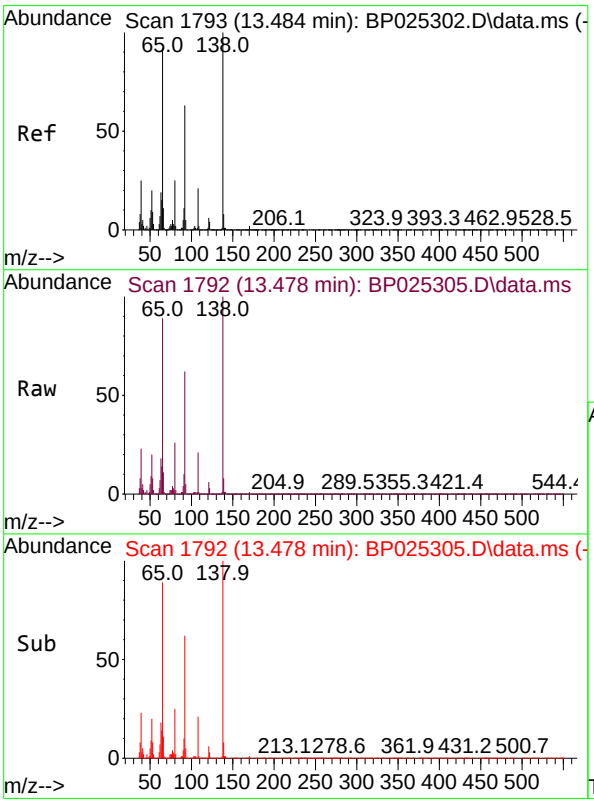
#47
2-Chloronaphthalene
Concen: 77.444 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 3350157

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.2	48.2
164	32.7	25.9	38.9

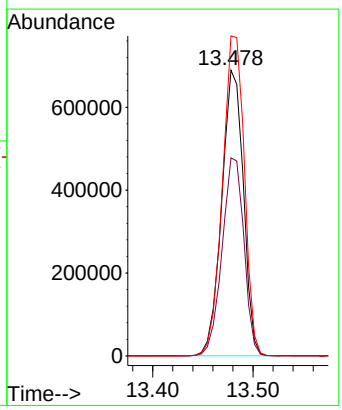


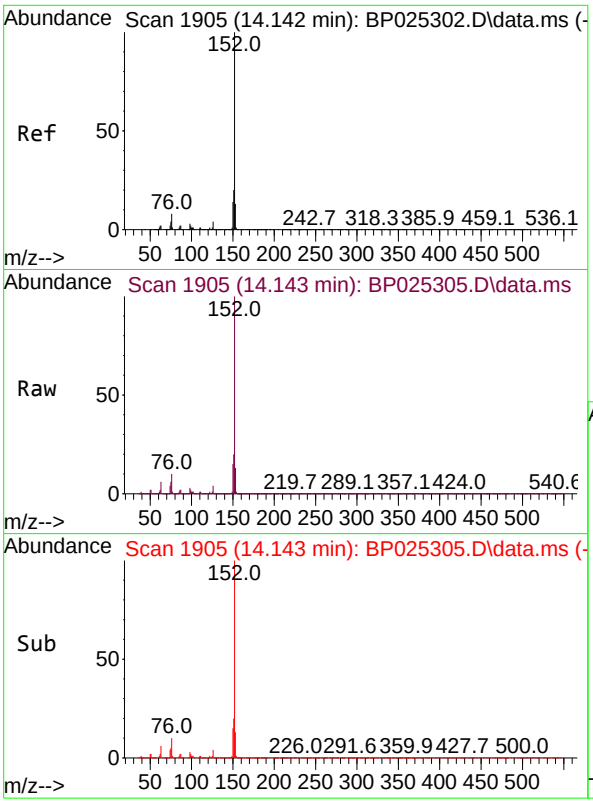


#48
2-Nitroaniline
Concen: 79.733 ng
RT: 13.478 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion: 65 Resp: 1036853

Ion	Ratio	Lower	Upper
65	100		
92	69.3	54.4	81.6
138	112.0	87.0	130.4



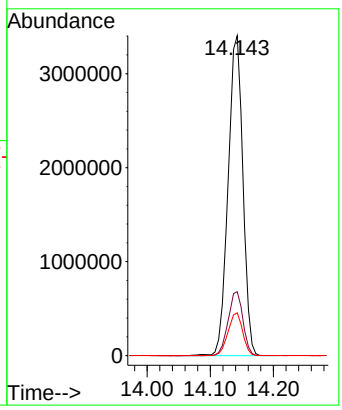


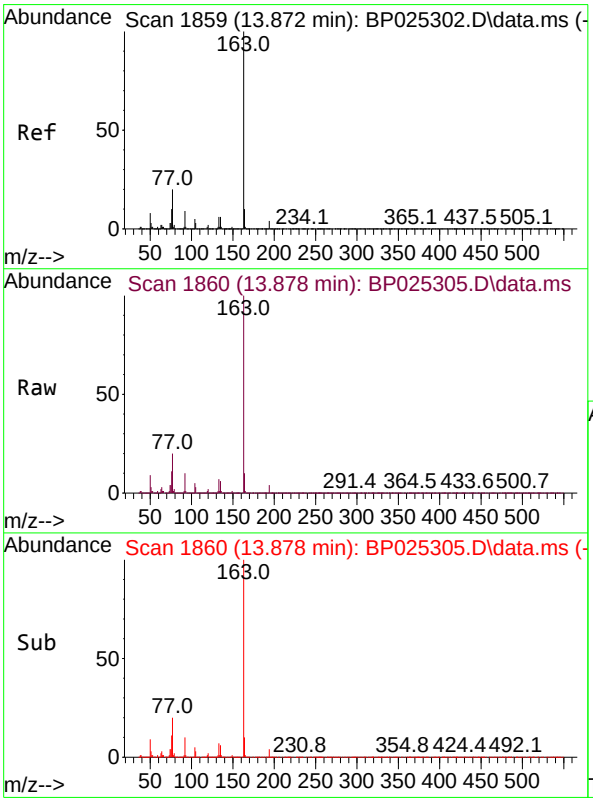
#49
Acenaphthylene
Concen: 76.758 ng
RT: 14.143 min Scan# 19
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 5538691

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6

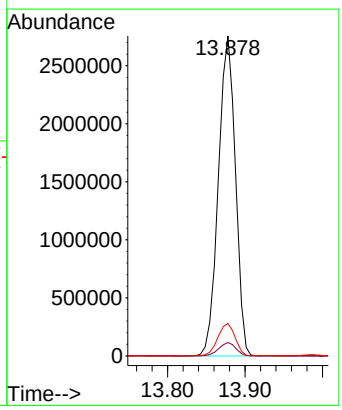


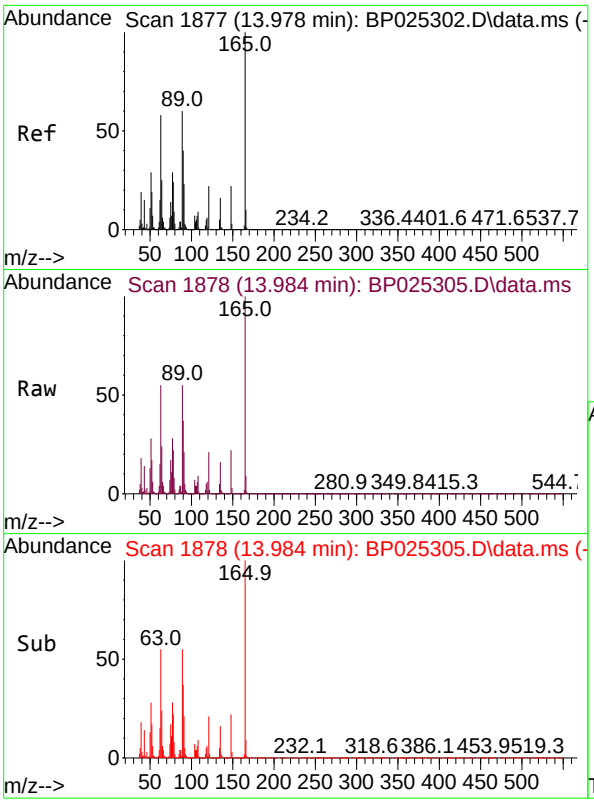


#50
Dimethylphthalate
Concen: 75.353 ng
RT: 13.878 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:163 Resp: 4226530

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.0	12.0



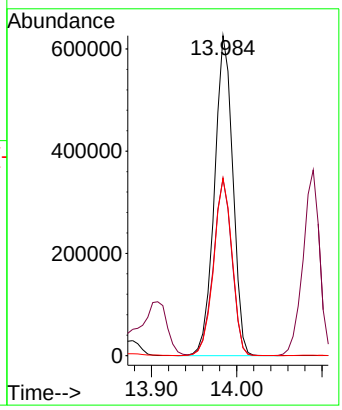


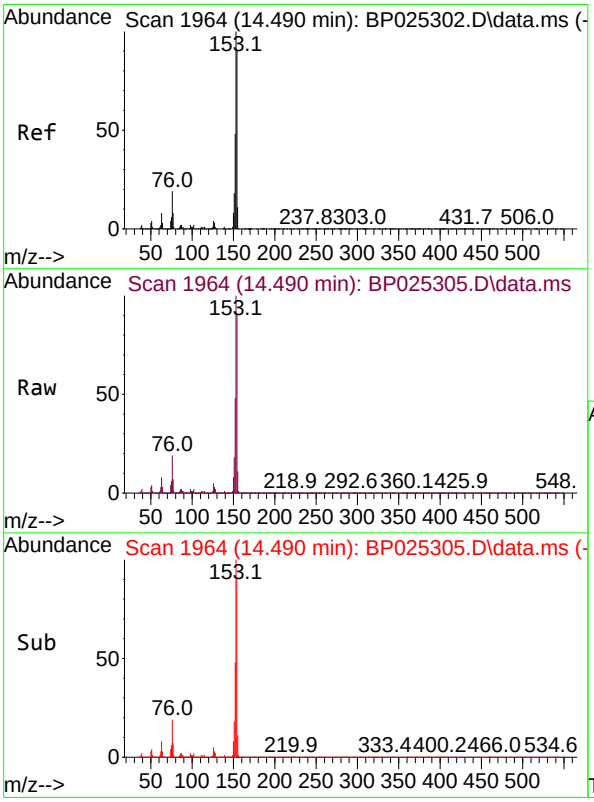
#51
2,6-Dinitrotoluene
Concen: 90.453 ng
RT: 13.984 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 935818

Ion	Ratio	Lower	Upper
165	100		
63	55.3	47.6	71.4
89	55.4	47.8	71.8

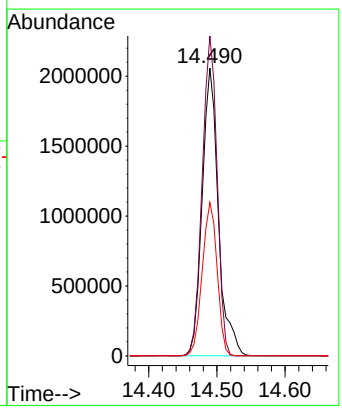


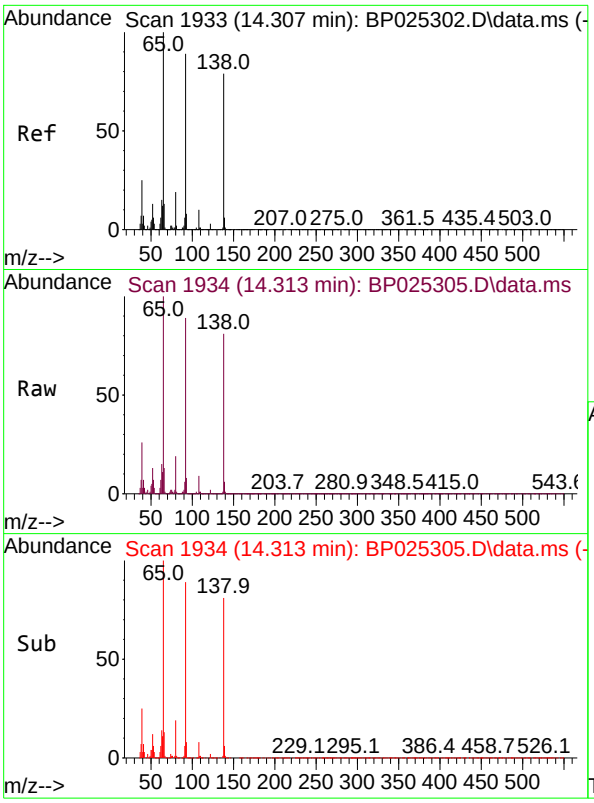


#52
Acenaphthene
Concen: 77.379 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:154 Resp: 3405740

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.4	134.0
152	53.3	43.0	64.6



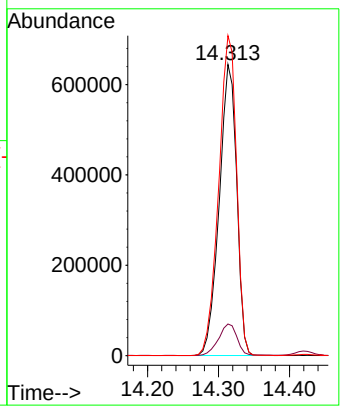


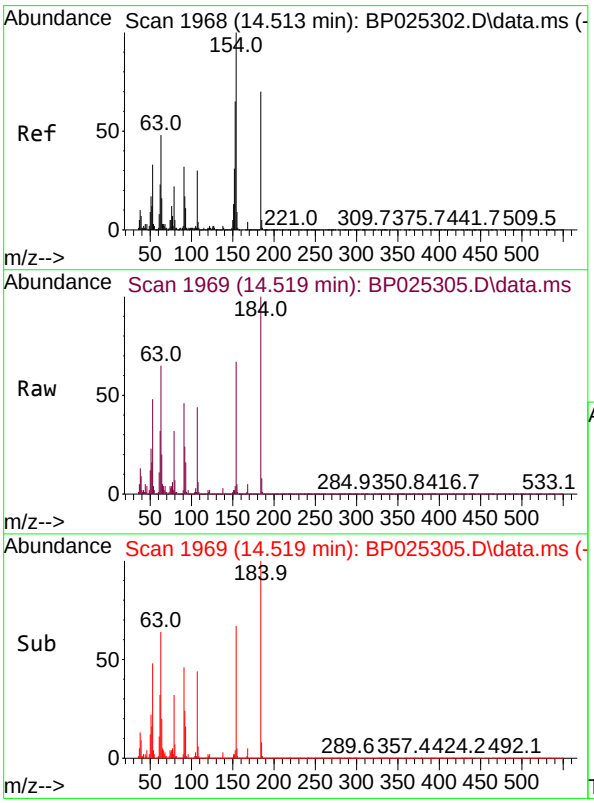
#53
3-Nitroaniline
Concen: 91.252 ng
RT: 14.313 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 1104703

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.5	15.7
92	109.9	90.9	136.3

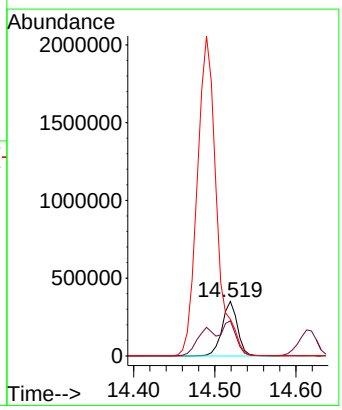


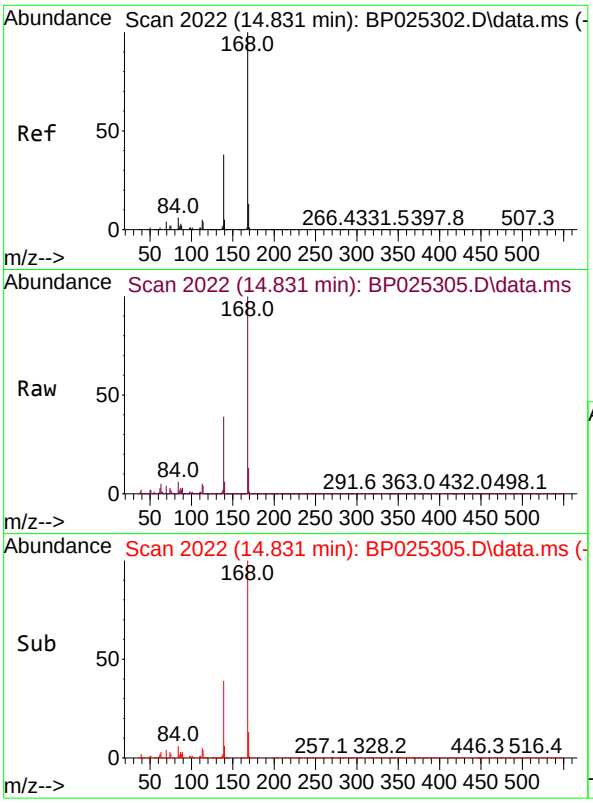


#54
2,4-Dinitrophenol
Concen: 79.662 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:184 Resp: 457765

Ion	Ratio	Lower	Upper
184	100		
63	64.6	56.3	84.5
154	67.5	124.5	186.7#



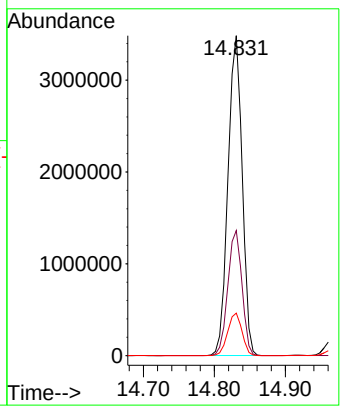


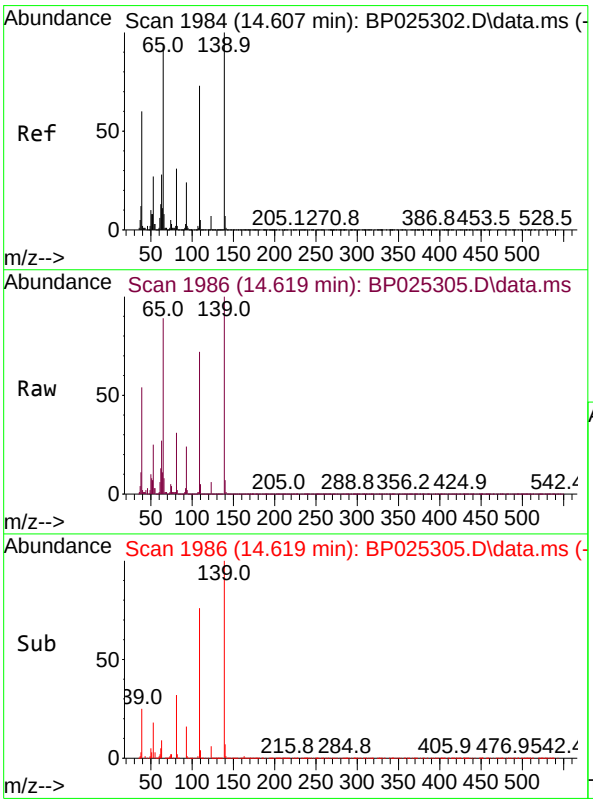
#55
Dibenzofuran
Concen: 73.640 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4843609

Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.5	45.7
169	13.3	10.6	15.8

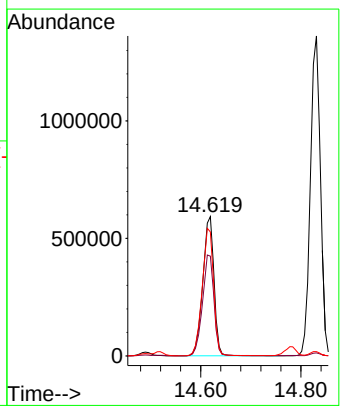


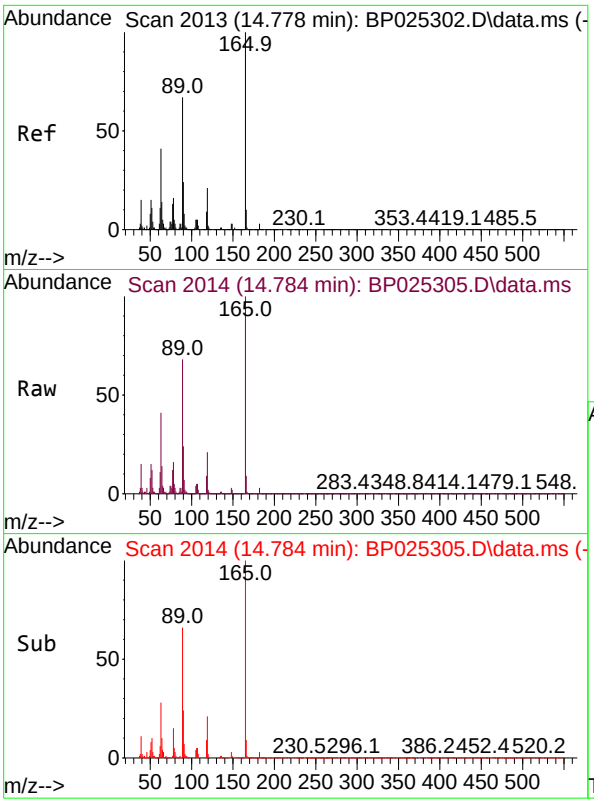


#56
4-Nitrophenol
Concen: 85.952 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:139 Resp: 918340

Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.7	92.7
65	88.9	73.4	113.4



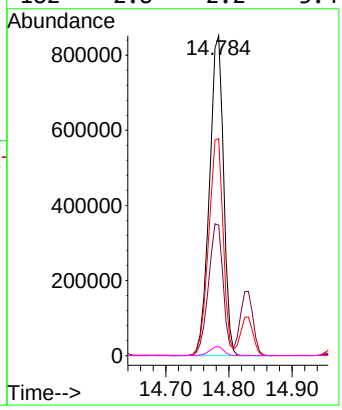


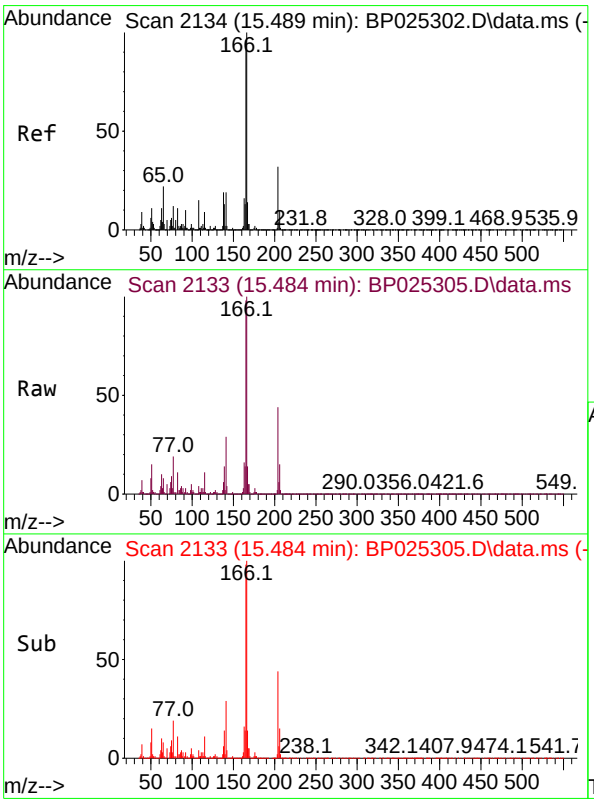
#57
2,4-Dinitrotoluene
Concen: 80.213 ng
RT: 14.784 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1324025

Ion	Ratio	Lower	Upper
165	100		
63	40.8	33.2	49.8
89	67.8	53.5	80.3
182	2.8	2.2	3.4

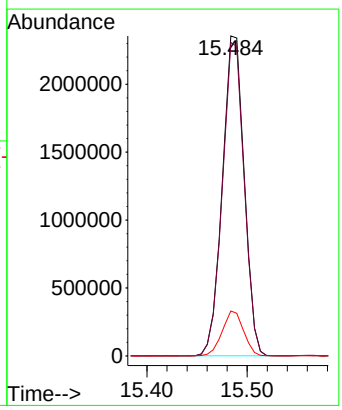


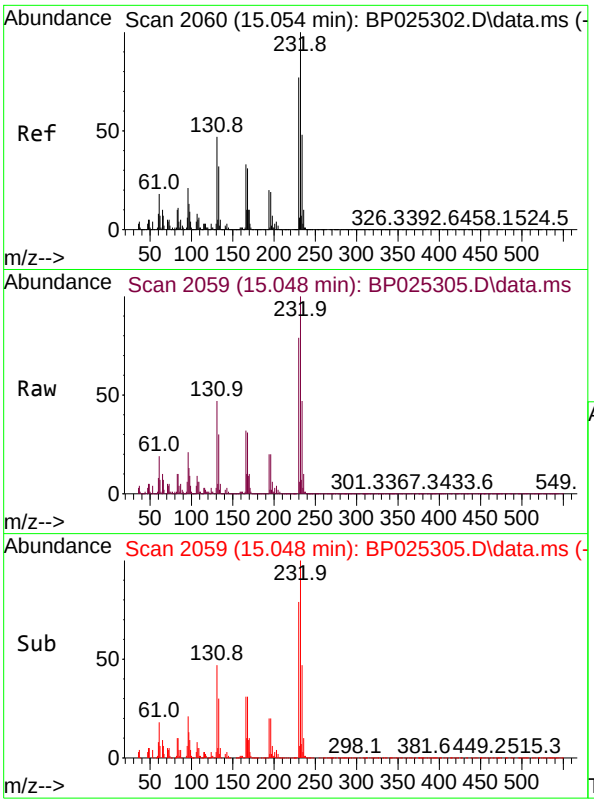


#58
Fluorene
Concen: 69.303 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:166 Resp: 3580163

Ion	Ratio	Lower	Upper
166	100		
165	97.9	76.7	115.1
167	14.0	10.9	16.3



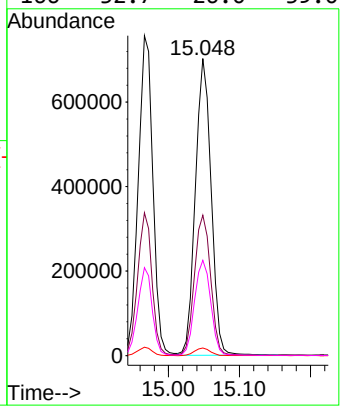


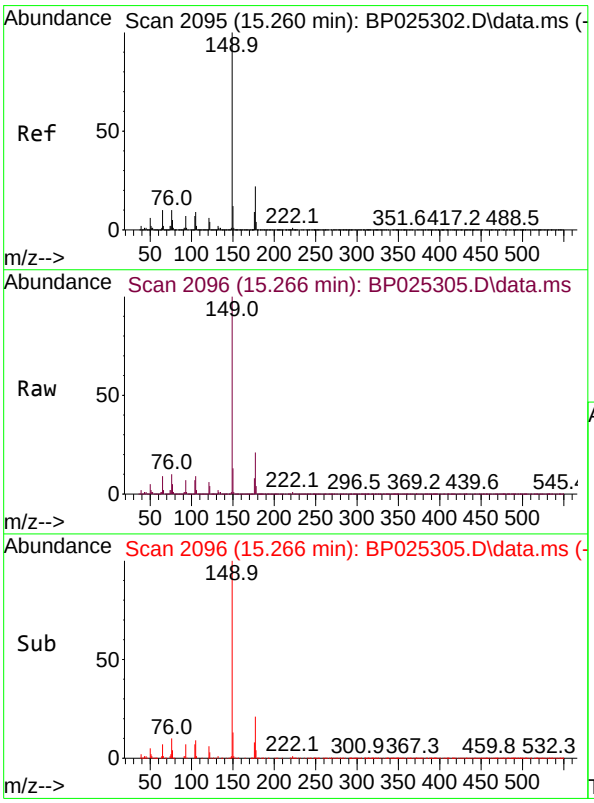
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.394 ng
RT: 15.048 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 1079472

Ion	Ratio	Lower	Upper
232	100		
131	48.6	39.3	58.9
130	2.6	2.2	3.2
166	32.7	26.0	39.0

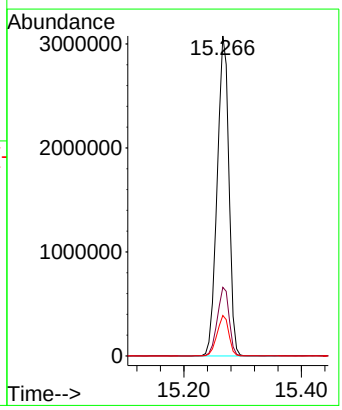


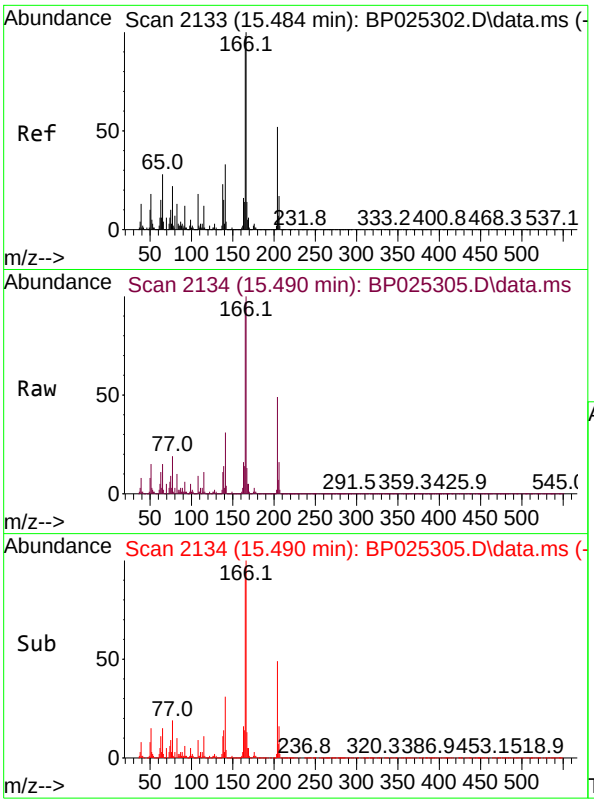


#60
Diethylphthalate
Concen: 75.138 ng
RT: 15.266 min Scan# 2096
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4248904

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	9.8	14.8



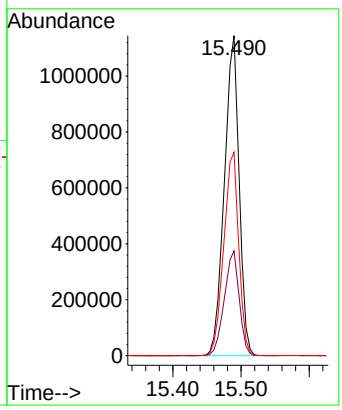


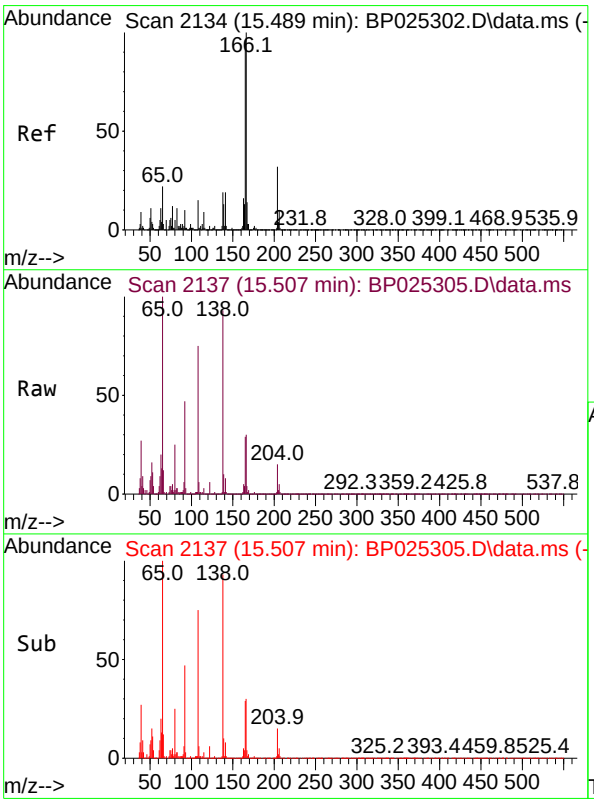
#61
4-Chlorophenyl-phenylether
Concen: 70.093 ng
RT: 15.490 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1716628

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.0	40.4
141	63.6	50.3	75.5

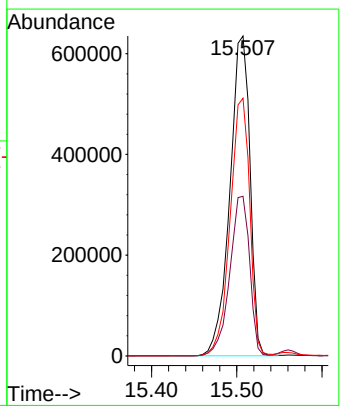


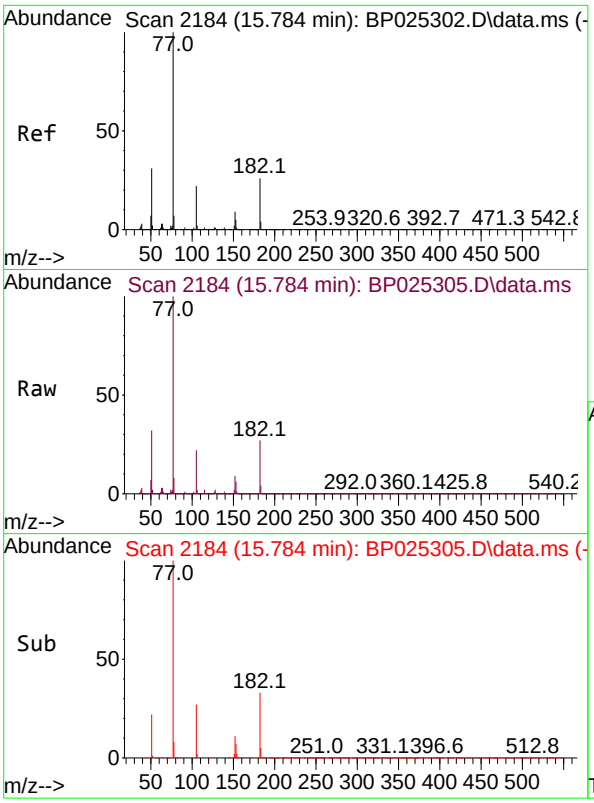


#62
4-Nitroaniline
Concen: 86.933 ng
RT: 15.507 min Scan# 2137
Delta R.T. 0.018 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:138 Resp: 1042796

Ion	Ratio	Lower	Upper
138	100		
92	49.9	29.8	69.8
108	80.5	56.6	96.6



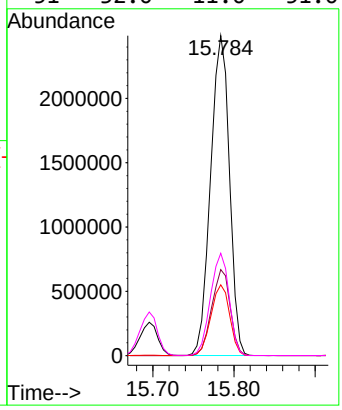


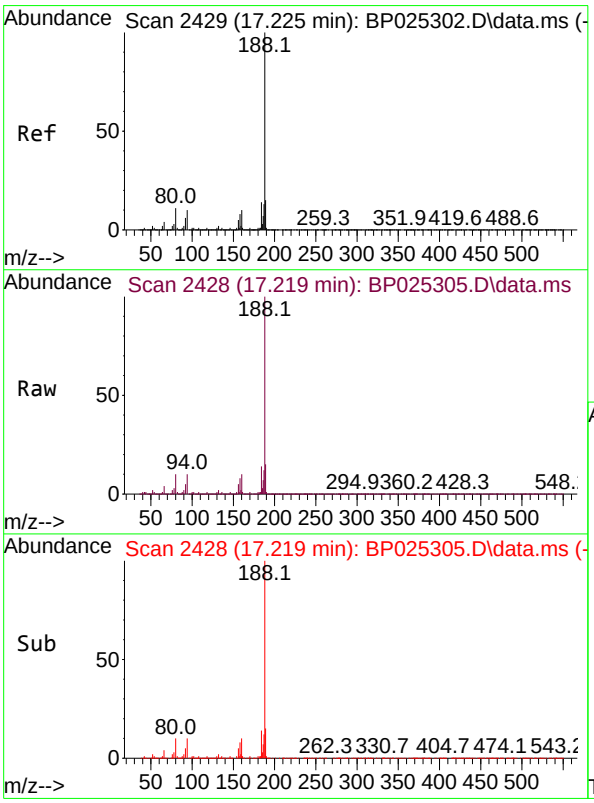
#63
Azobenzene
Concen: 76.490 ng
RT: 15.784 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 4018242

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.0	46.0
105	22.1	2.1	42.1
51	32.0	11.0	51.0

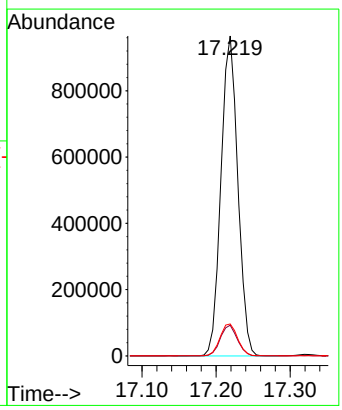


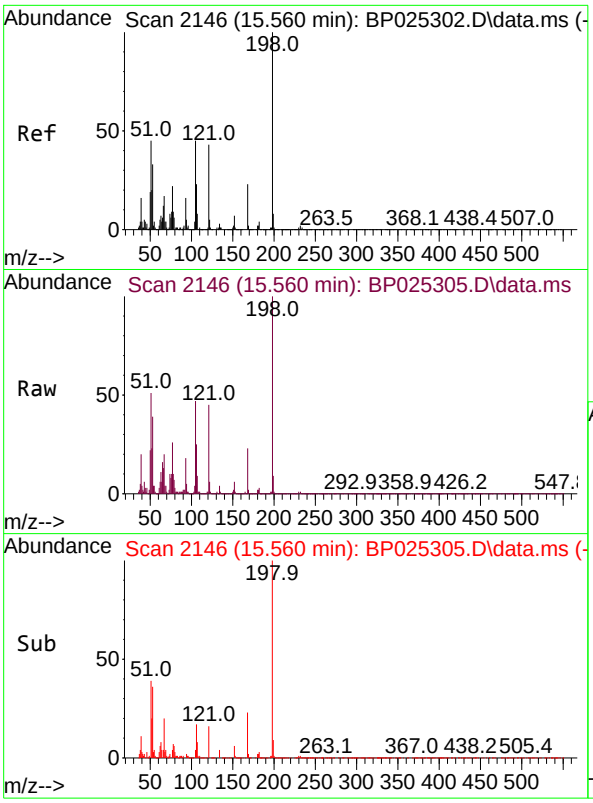


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:188 Resp: 1520824

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.0	8.5	12.7



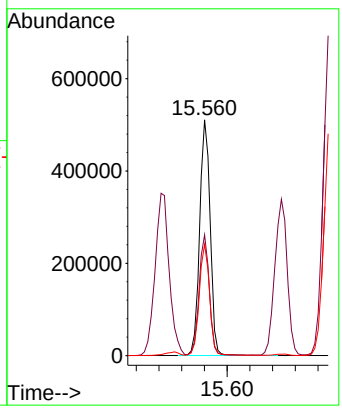


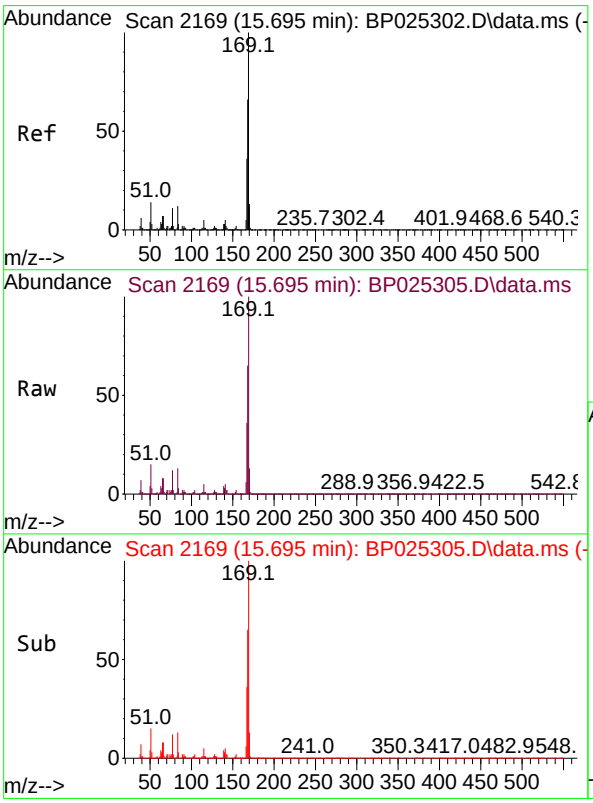
#65
4,6-Dinitro-2-methylphenol
Concen: 78.886 ng
RT: 15.560 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 653490

Ion	Ratio	Lower	Upper
198	100		
51	51.2	26.7	66.7
105	47.2	25.6	65.6

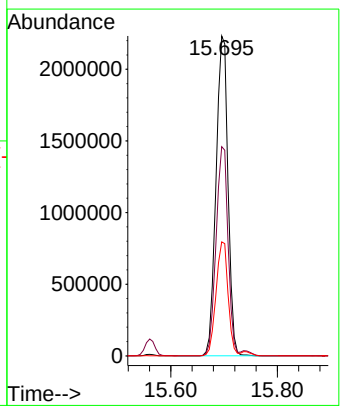


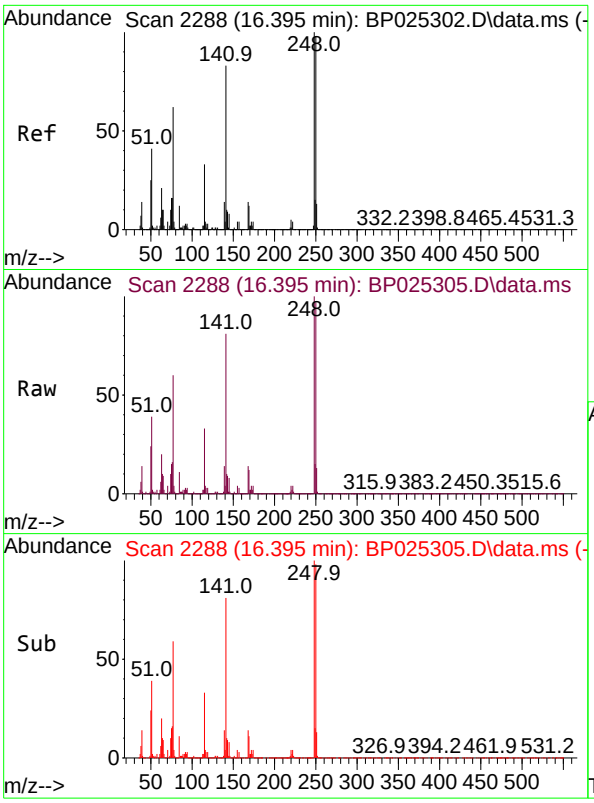


#66
n-Nitrosodiphenylamine
Concen: 75.135 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:169 Resp: 3479218

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.7	28.5	42.7



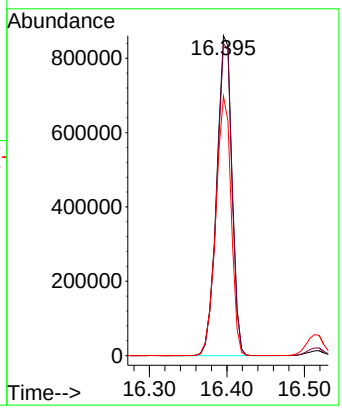


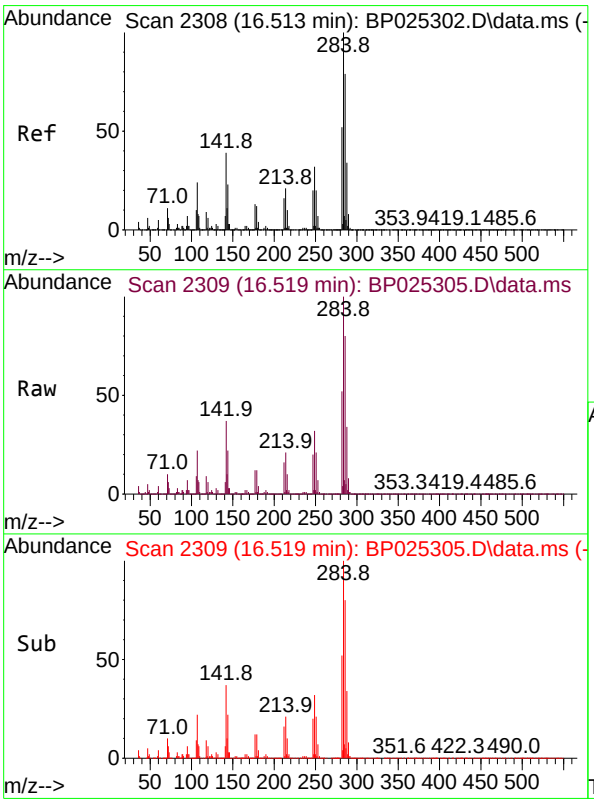
#67
4-Bromophenyl-phenylether
Concen: 76.943 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1177395

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.6	117.8
141	81.0	66.6	99.8

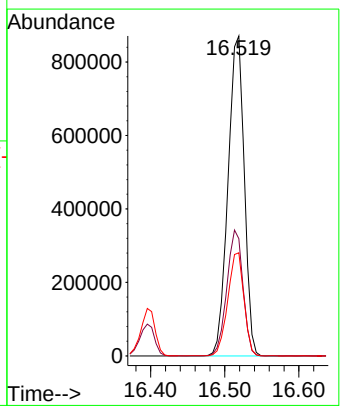


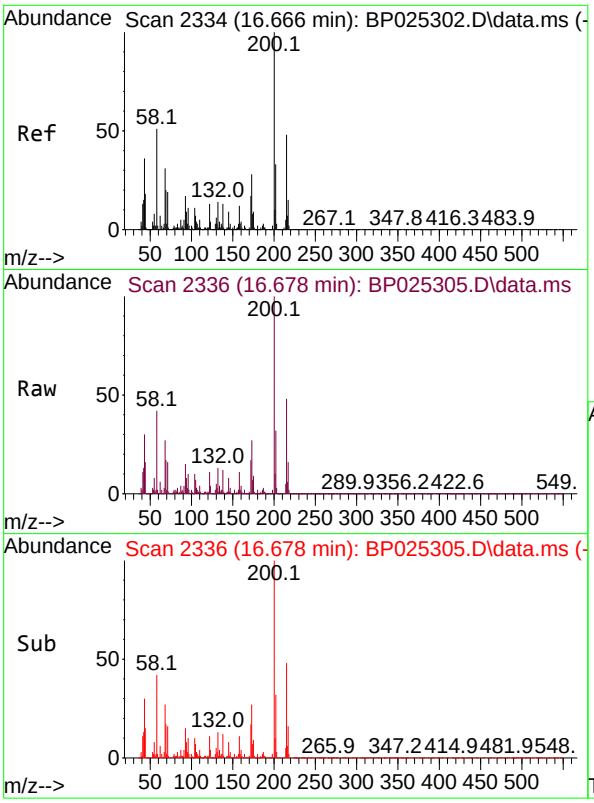


#68
Hexachlorobenzene
Concen: 77.280 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:284 Resp: 1326894

Ion	Ratio	Lower	Upper
284	100		
142	36.6	30.8	46.2
249	32.2	25.4	38.0



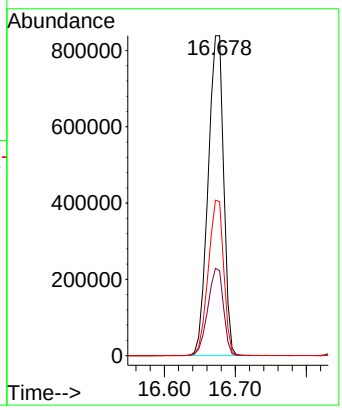


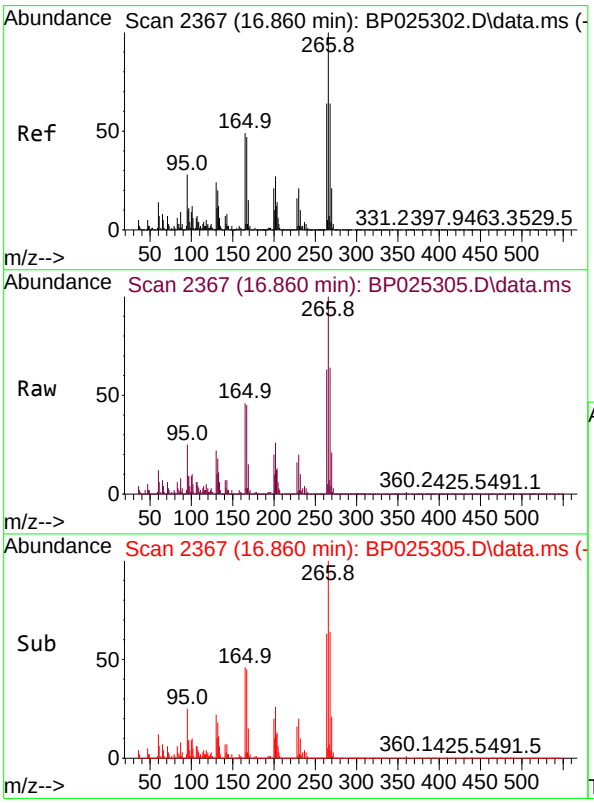
#69
Atrazine
Concen: 78.187 ng
RT: 16.678 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 1273257

Ion	Ratio	Lower	Upper
200	100		
173	26.6	8.2	48.2
215	48.1	28.1	68.1

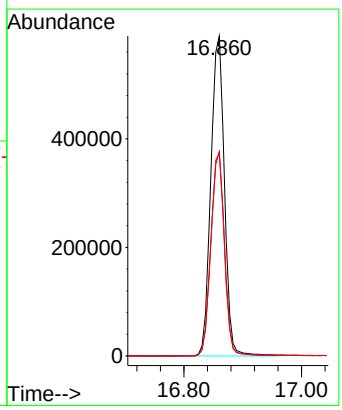


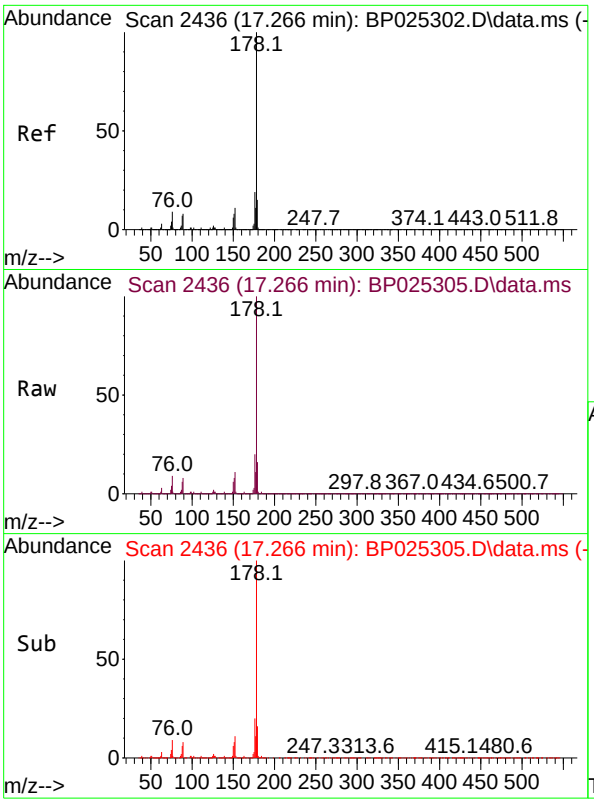


#70
Pentachlorophenol
Concen: 86.531 ng
RT: 16.860 min Scan# 2367
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:266 Resp: 946571

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.4	77.0
264	63.4	51.1	76.7



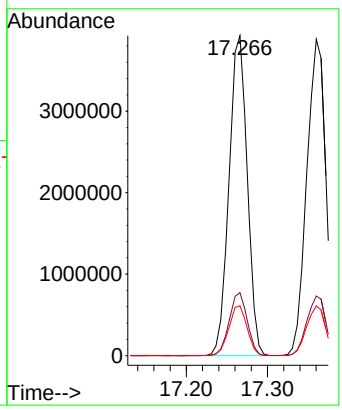


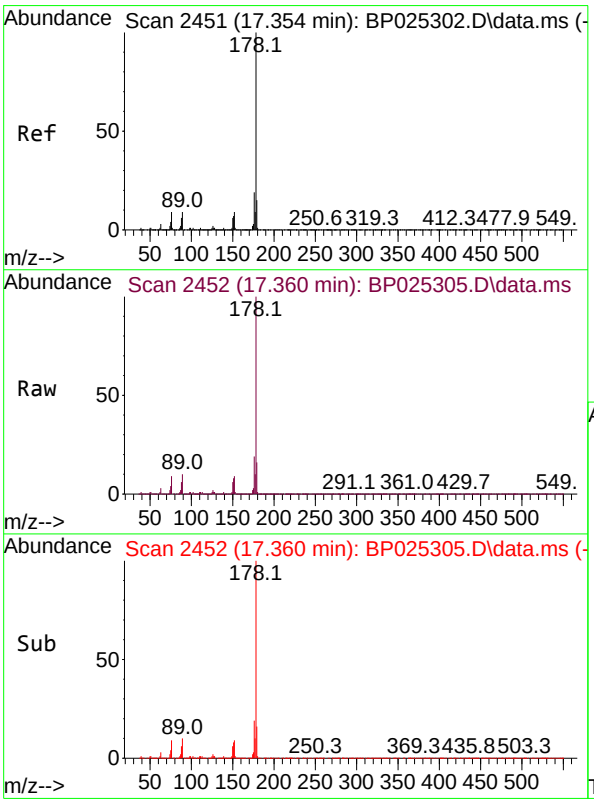
#71
Phenanthrene
Concen: 73.575 ng
RT: 17.266 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 6128568

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.1	18.1

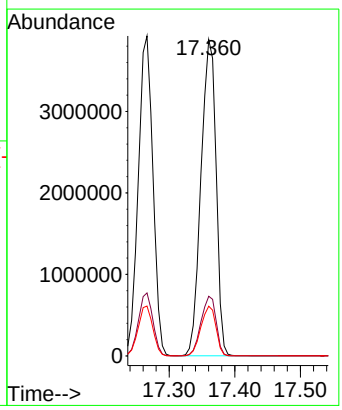


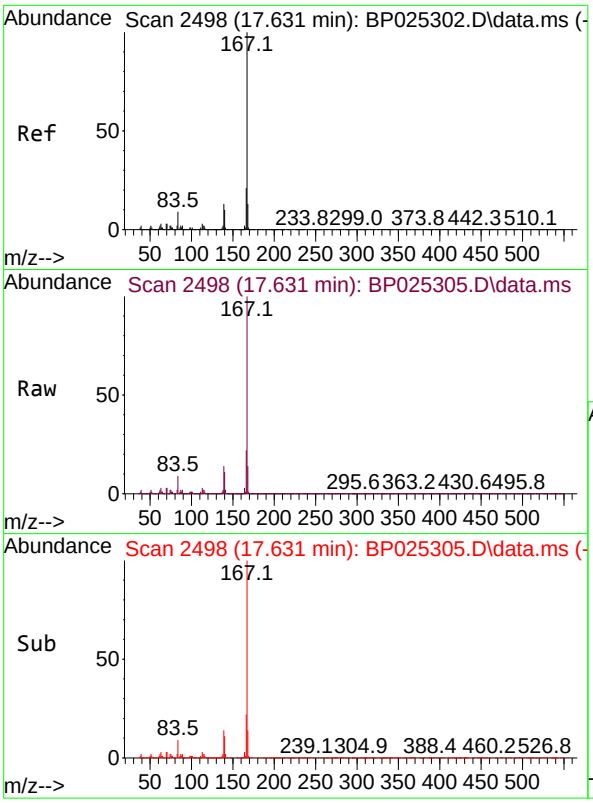


#72
Anthracene
Concen: 73.651 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:178 Resp: 6185852

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.7	12.3	18.5



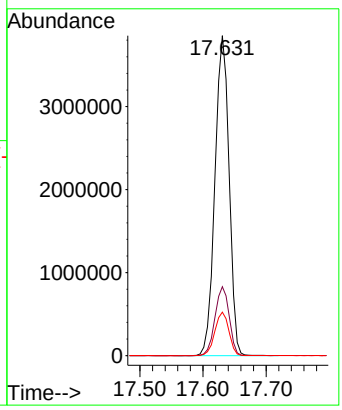


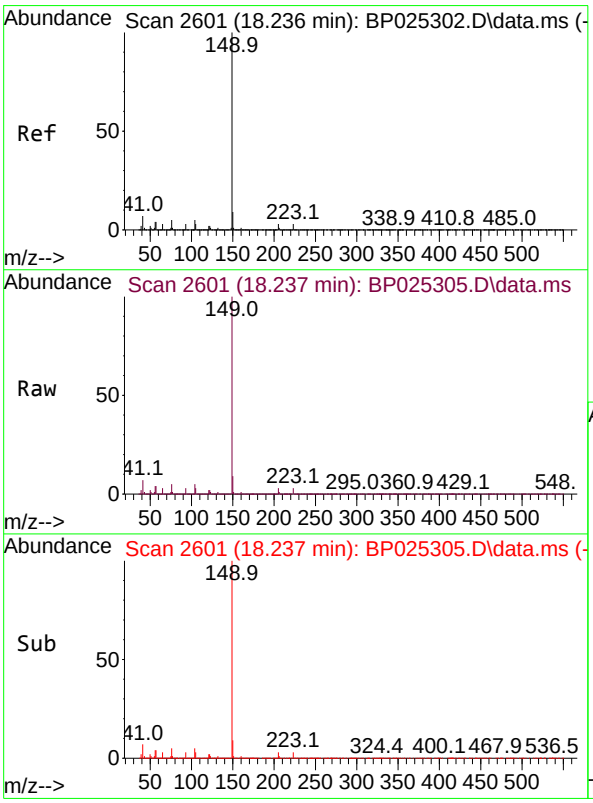
#73
Carbazole
Concen: 74.355 ng
RT: 17.631 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 5994709

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.6	10.6	16.0

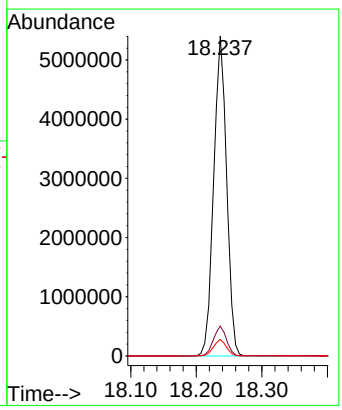


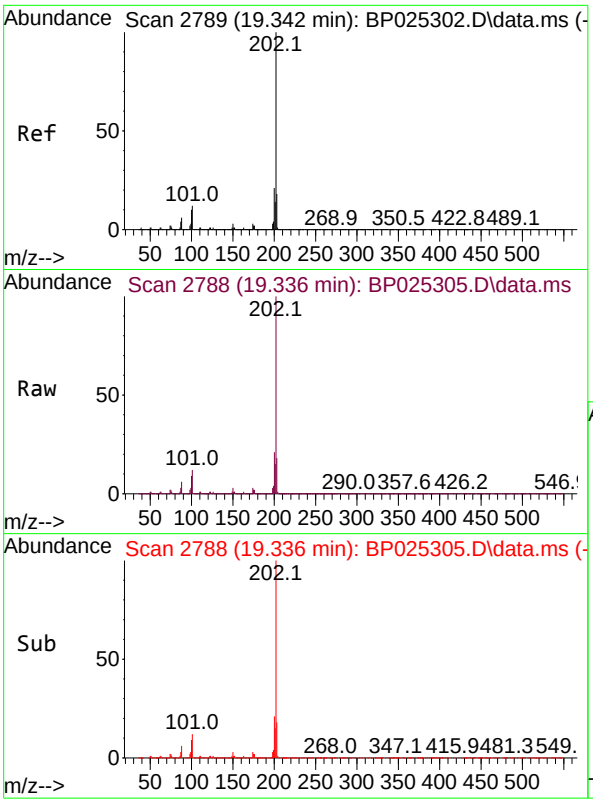


#74
Di-n-butylphthalate
Concen: 76.144 ng
RT: 18.237 min Scan# 2601
Delta R.T. 0.001 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 7426722

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



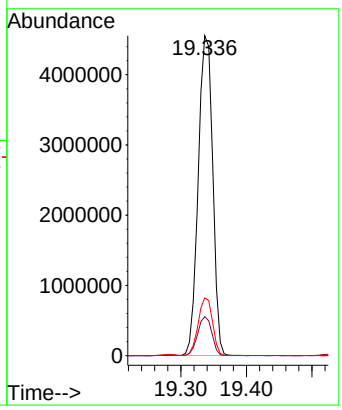


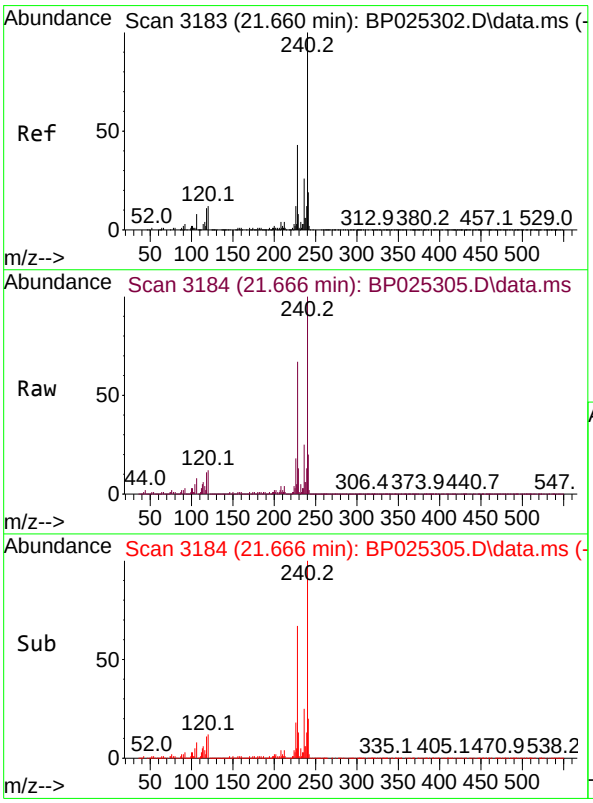
#75
Fluoranthene
Concen: 72.098 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6952158

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.5
203	18.0	0.0	37.6

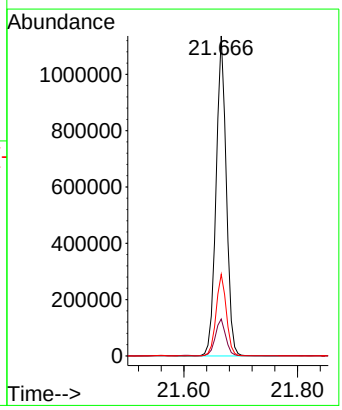


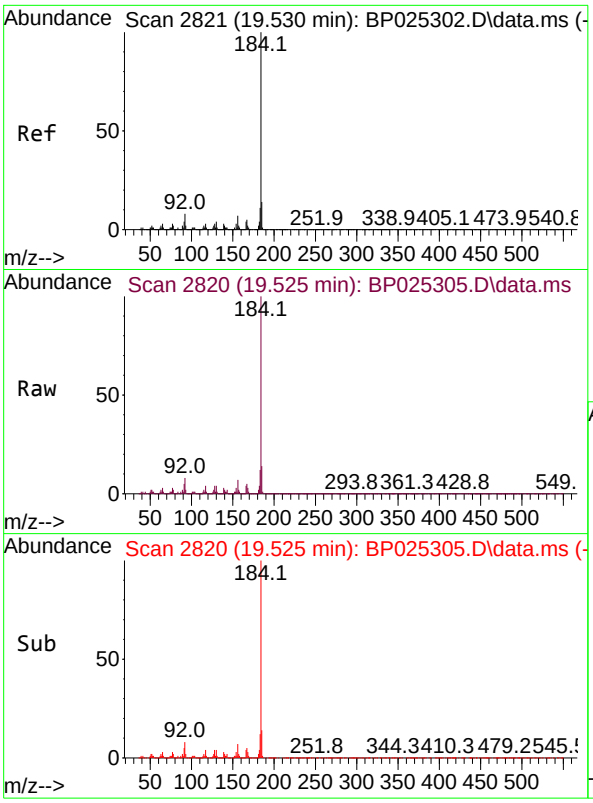


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:240 Resp: 1412527

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.6	14.4
236	25.5	20.4	30.6



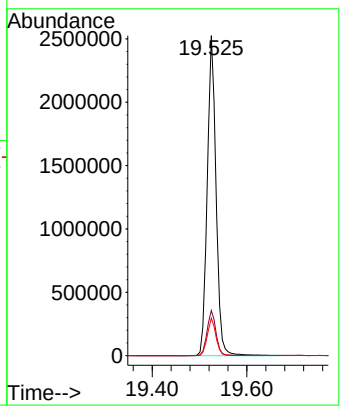


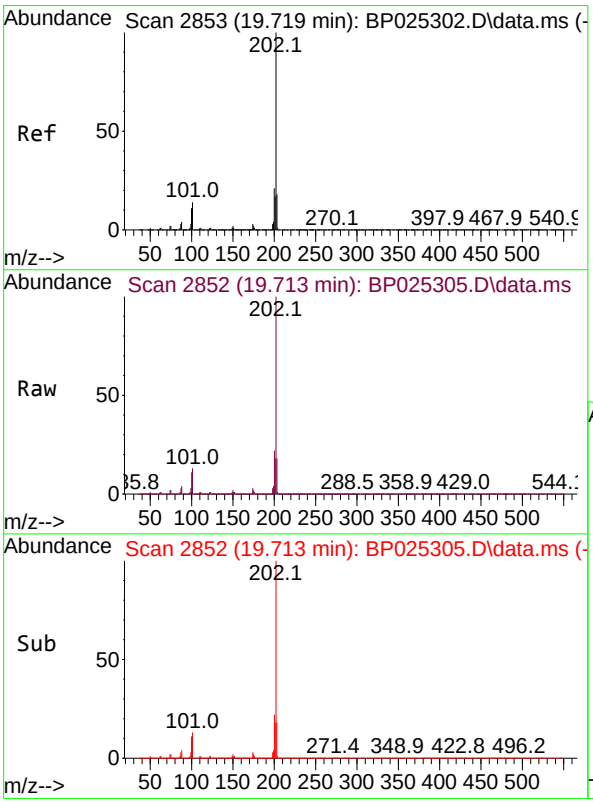
#77
Benzidine
Concen: 63.462 ng
RT: 19.525 min Scan# 2
Delta R.T. -0.005 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 3244549

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.0	16.6
183	11.7	9.2	13.8

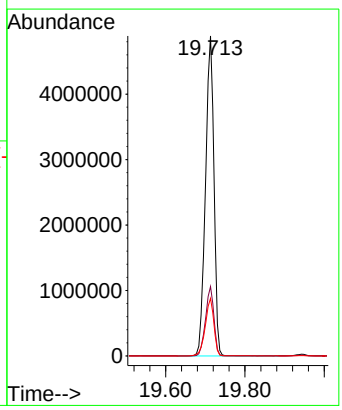


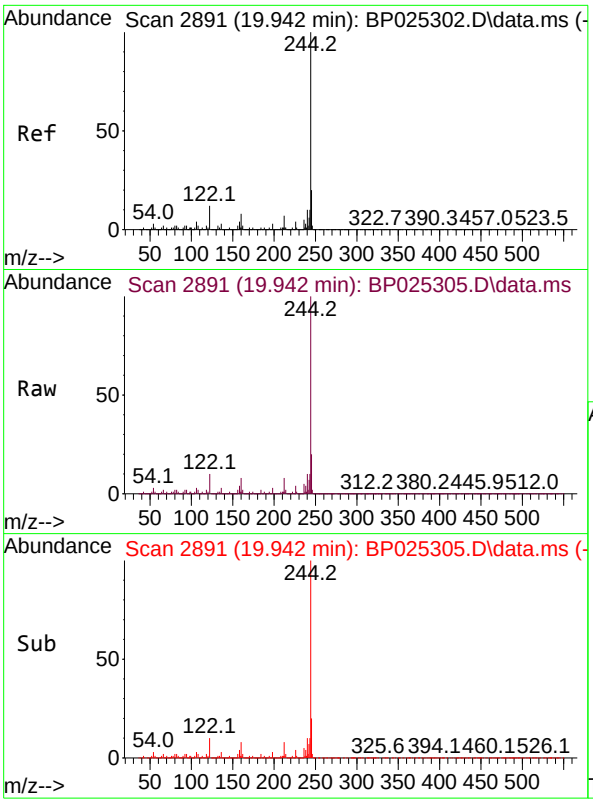


#78
Pyrene
Concen: 77.104 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:202 Resp: 7242380

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.7	25.1
203	18.0	14.1	21.1



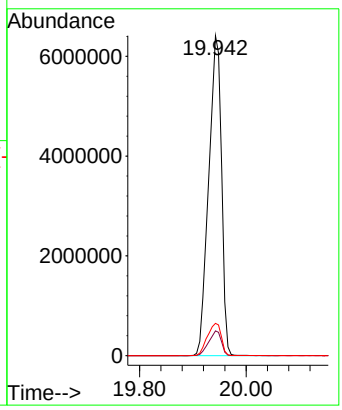


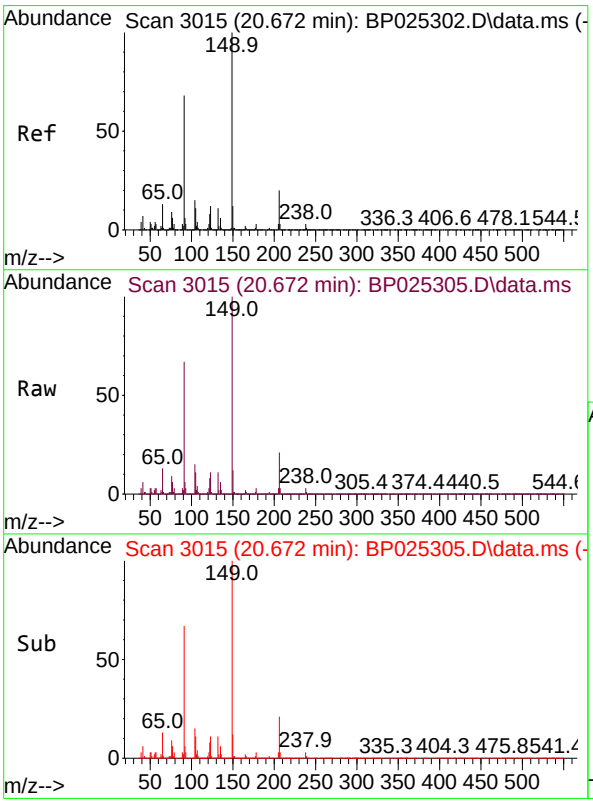
#79
Terphenyl-d14
Concen: 143.182 ng
RT: 19.942 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:10705690

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.1	9.5	14.3

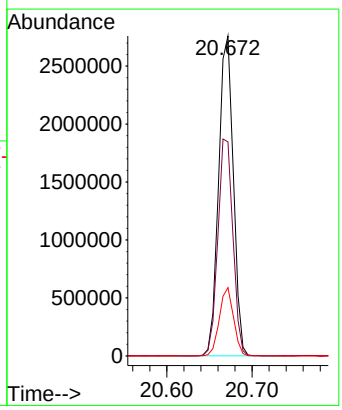


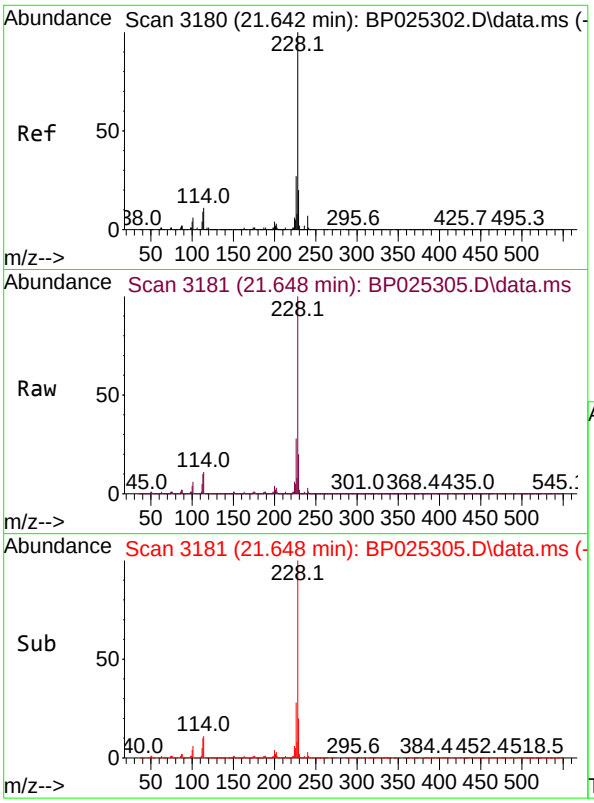


#80
Butylbenzylphthalate
Concen: 86.846 ng
RT: 20.672 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 3308374

Ion	Ratio	Lower	Upper
149	100		
91	66.9	54.7	82.1
206	21.4	16.4	24.6



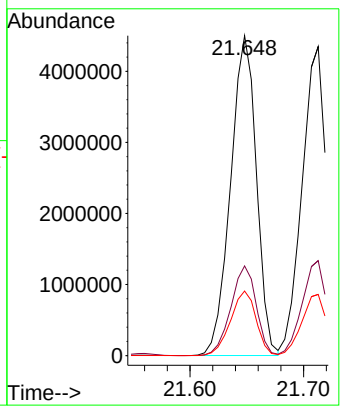


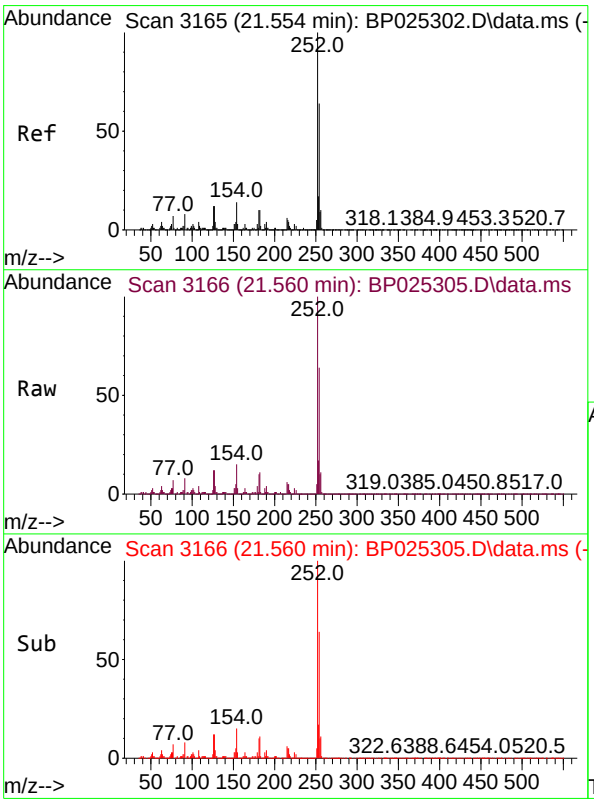
#81
Benzo(a)anthracene
Concen: 75.830 ng
RT: 21.648 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 7117868

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	20.2	16.0	24.0

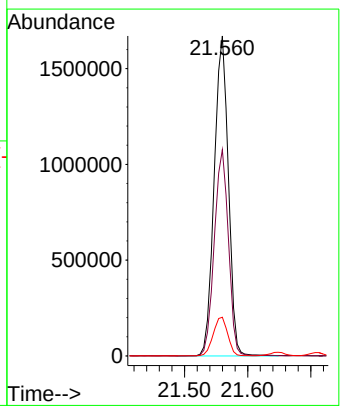


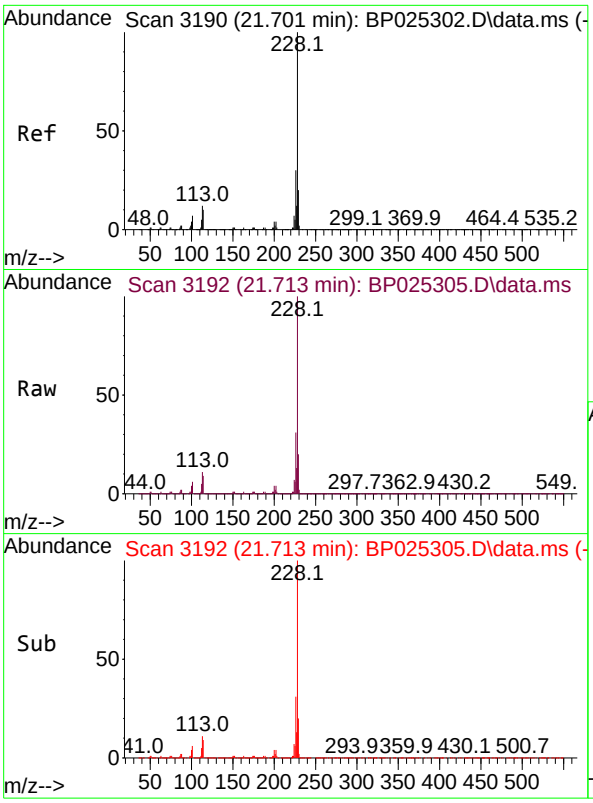


#82
3,3'-Dichlorobenzidine
Concen: 78.640 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 2604409

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.0	76.6
126	12.1	9.4	14.2



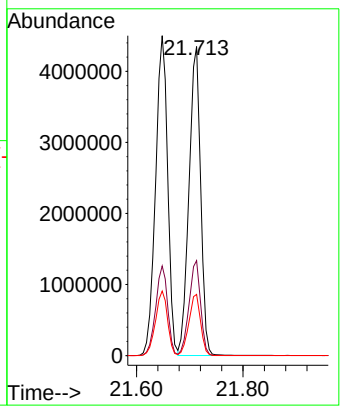


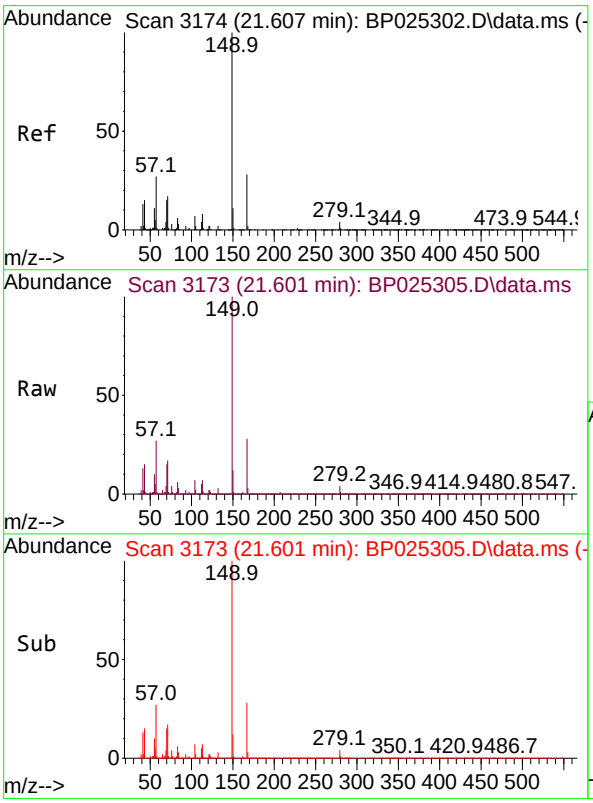
#83
Chrysene
Concen: 75.596 ng
RT: 21.713 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6581498

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	19.8	15.9	23.9

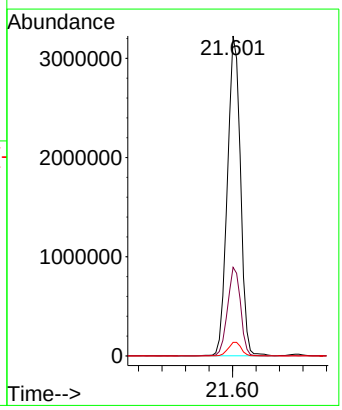


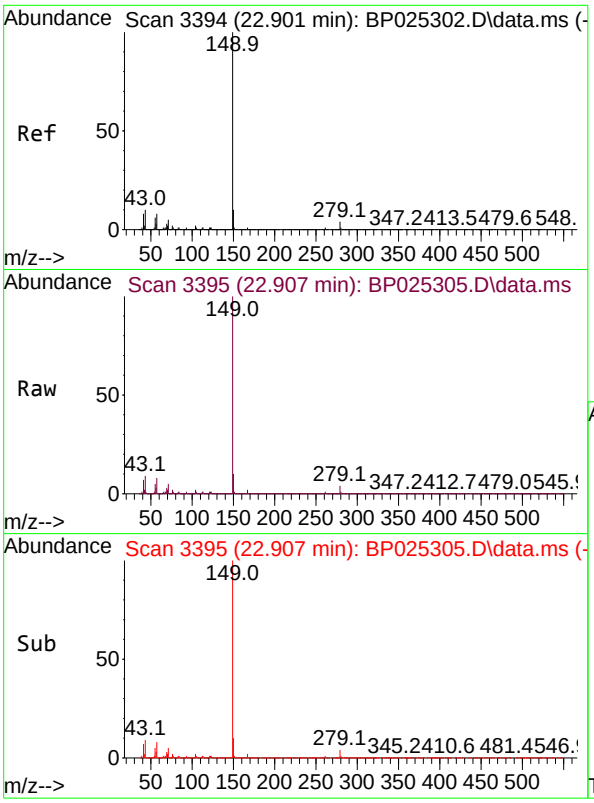


#84
Bis(2-ethylhexyl)phthalate
Concen: 81.923 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:149 Resp: 4983234

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.2	3.4	5.2



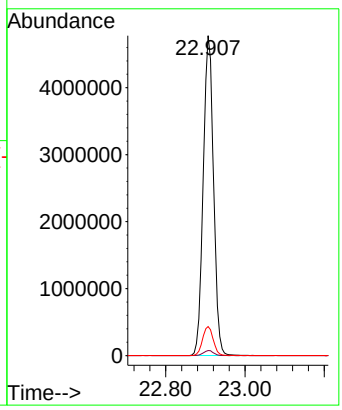


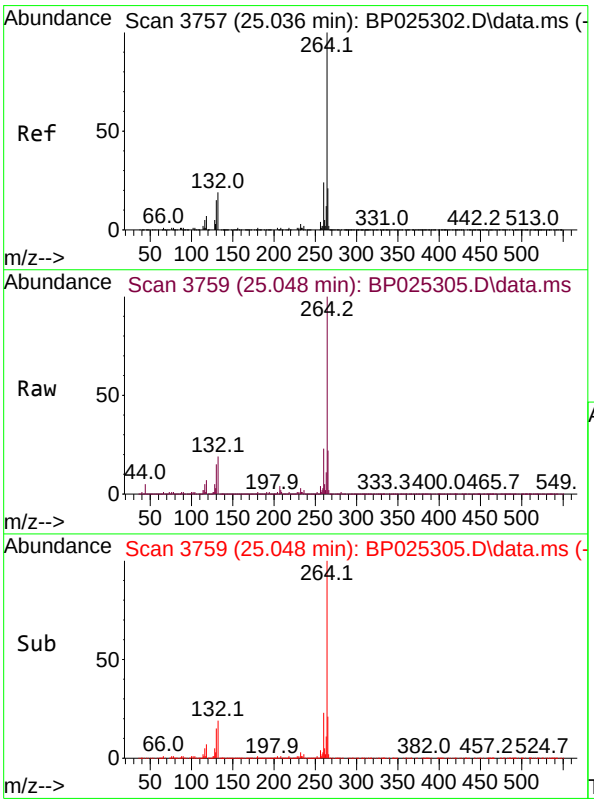
#85
Di-n-octyl phthalate
Concen: 84.688 ng
RT: 22.907 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 8622615

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.9	11.9

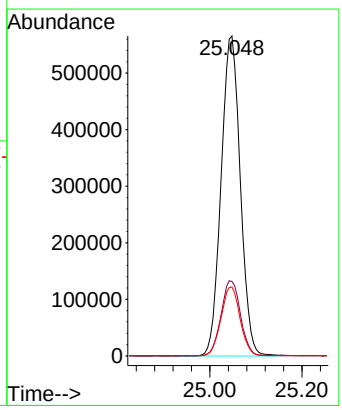


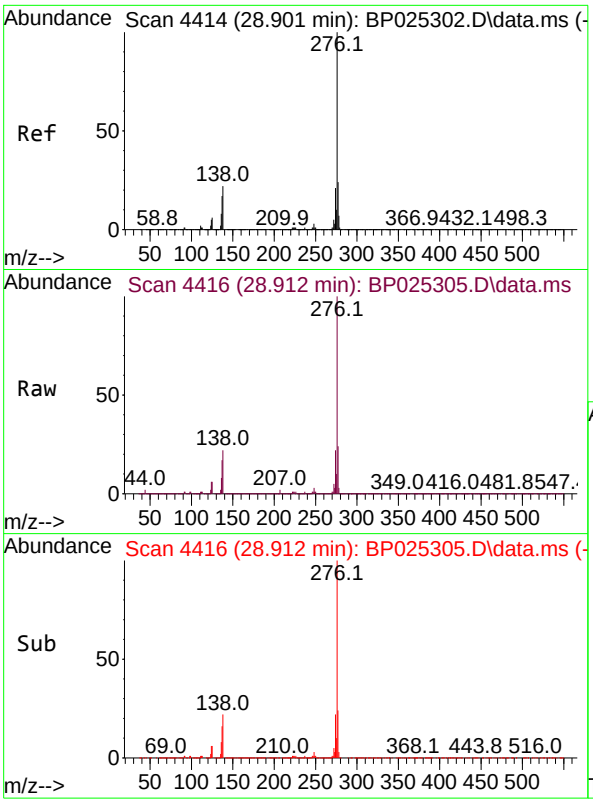


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.048 min Scan# 3759
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:264 Resp: 1639865

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.1	25.7



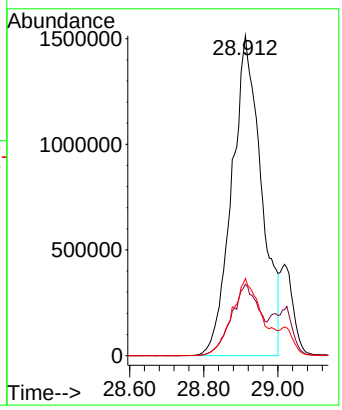


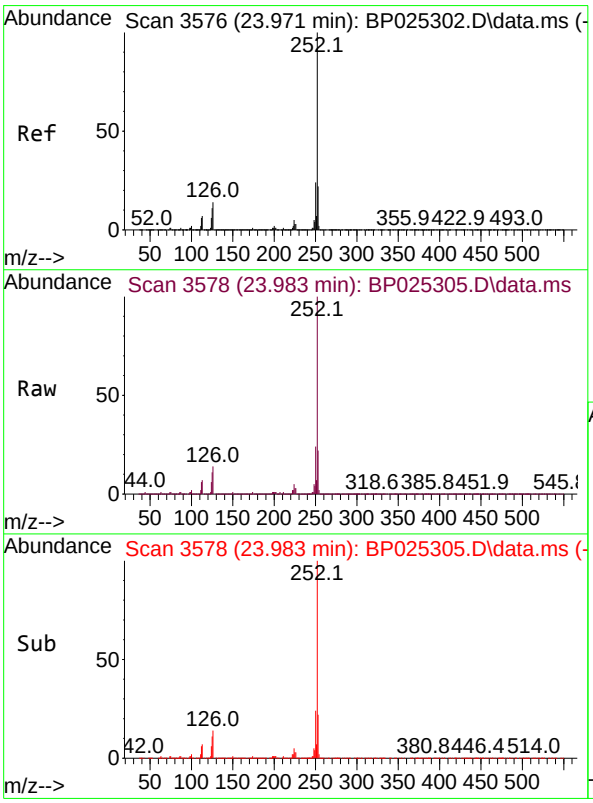
#87
Indeno(1,2,3-cd)pyrene
Concen: 71.220 ng
RT: 28.912 min Scan# 44
Delta R.T. 0.011 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 8383618

Ion	Ratio	Lower	Upper
276	100		
138	21.3	14.6	22.0
277	24.7	16.8	25.2

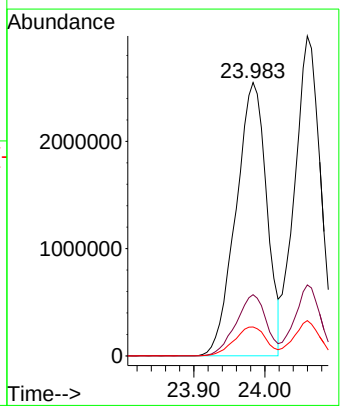


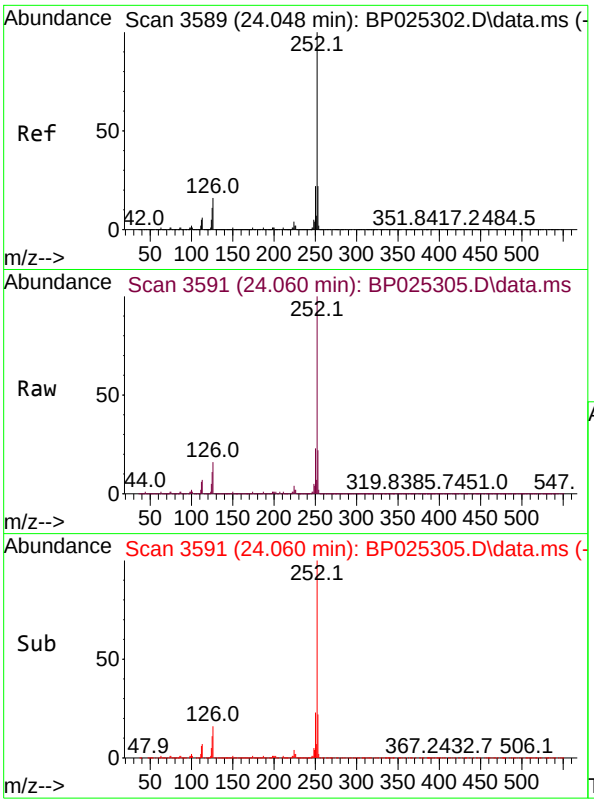


#88
Benzo(b)fluoranthene
Concen: 78.064 ng
RT: 23.983 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7663180

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.6	8.5	12.7



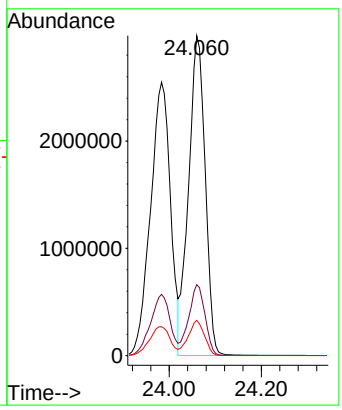


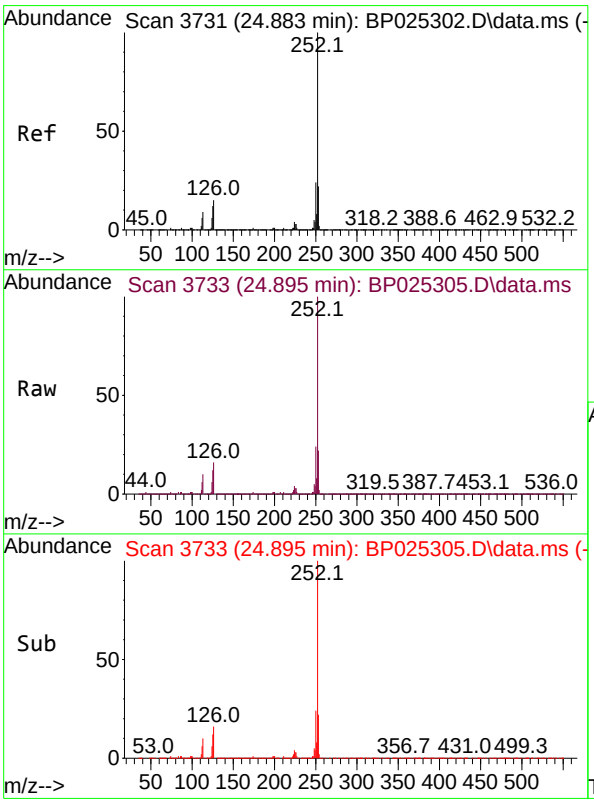
#89
Benzo(k)fluoranthene
Concen: 76.787 ng
RT: 24.060 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7472413

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	11.0	8.5	12.7

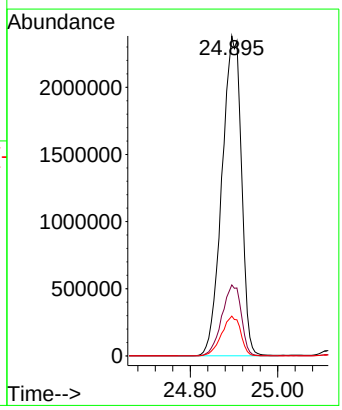


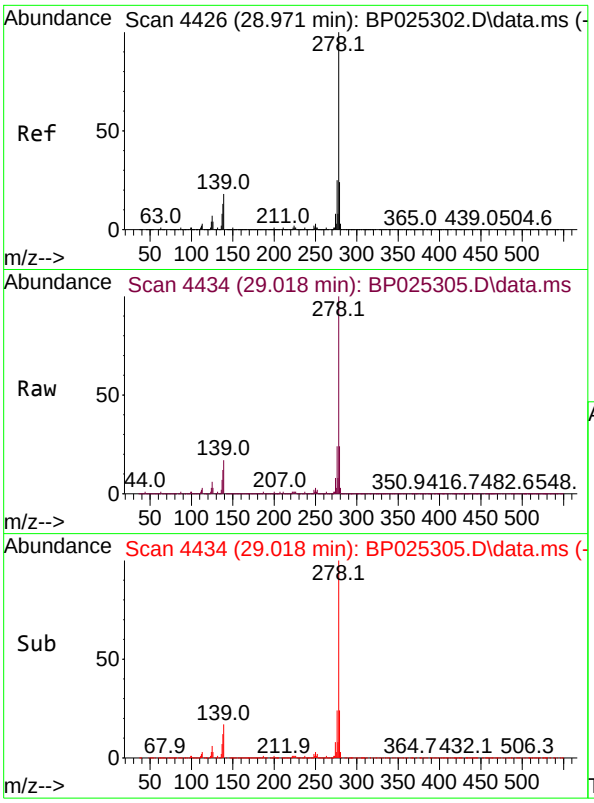


#90
Benzo(a)pyrene
Concen: 78.309 ng
RT: 24.895 min Scan# 3733
Delta R.T. 0.012 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:252 Resp: 7402973

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.4	9.4	14.0



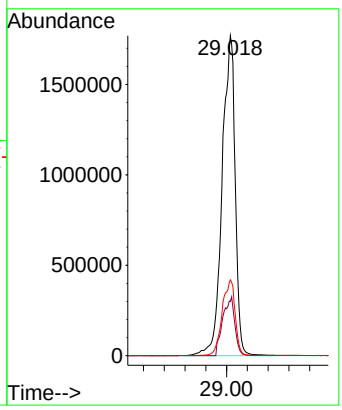


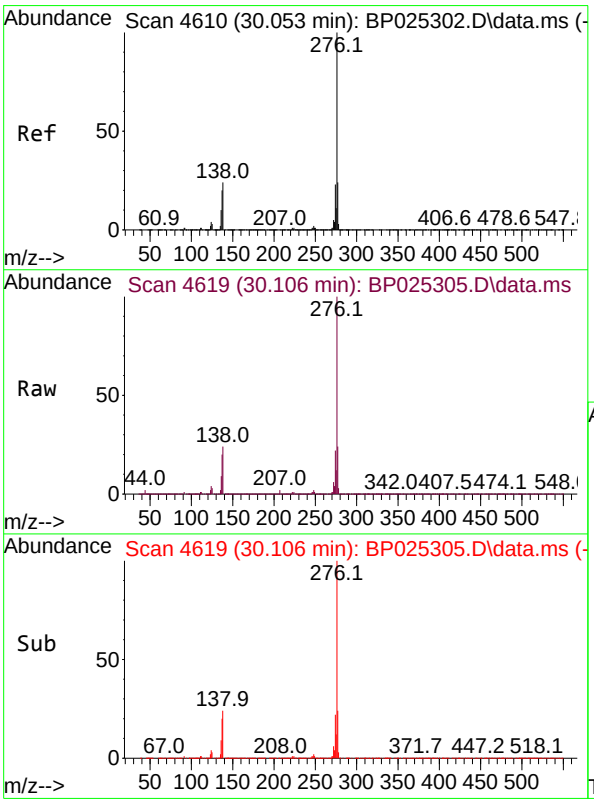
#91
Dibenzo(a,h)anthracene
Concen: 80.082 ng
RT: 29.018 min Scan# 44
Delta R.T. 0.047 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 7708950

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.6	22.0
279	23.7	19.0	28.4

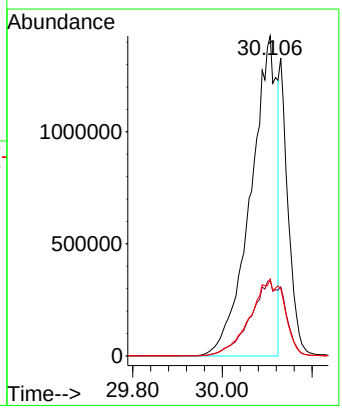




#92
Benzo(g,h,i)perylene
Concen: 61.544 ng
RT: 30.106 min Scan# 4619
Delta R.T. 0.053 min
Lab File: BP025305.D
Acq: 05 Aug 2025 16:51

Tgt Ion:276 Resp: 5816055

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	24.0	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	275520	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1222241	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	802996	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1605717	20.000	ng	-0.01
76) Chrysene-d12	21.666	240	1565231	20.000	ng	0.00
86) Perylene-d12	25.042	264	1730065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1181310	68.960	ng	0.00
7) Phenol-d6	6.966	99	1590709	70.557	ng	0.00
23) Nitrobenzene-d5	8.943	82	1586597	71.916	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	618969	77.267	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	3743672	64.394	ng	0.00
79) Terphenyl-d14	19.936	244	5251220	63.367	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	221468	32.761	ng	99
3) Pyridine	3.725	79	674974	35.938	ng	99
4) n-Nitrosodimethylamine	3.637	42	315629	36.198	ng	97
6) Aniline	7.131	93	1168199	37.746	ng	100
8) 2-Chlorophenol	7.366	128	716630	38.218	ng	99
9) Benzaldehyde	6.949	77	542125	33.857	ng	99
10) Phenol	6.990	94	908541	37.664	ng	100
11) bis(2-Chloroethyl)ether	7.231	93	715577	37.860	ng	99
12) 1,3-Dichlorobenzene	7.696	146	777323	36.894	ng	100
13) 1,4-Dichlorobenzene	7.837	146	790167	37.069	ng	99
14) 1,2-Dichlorobenzene	8.149	146	766897	37.139	ng	98
15) Benzyl Alcohol	8.031	79	668093	38.230	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1098738	36.800	ng	99
17) 2-Methylphenol	8.225	107	633399	39.242	ng	98
18) Hexachloroethane	8.878	117	287484	37.712	ng	98
19) n-Nitroso-di-n-propyla...	8.596	70	578735	39.071	ng	99
20) 3+4-Methylphenols	8.549	107	858644	38.632	ng	98
22) Acetophenone	8.607	105	1158440	37.755	ng	100
24) Nitrobenzene	8.978	77	818671	39.201	ng	99
25) Isophorone	9.507	82	1701592	38.747	ng	99
26) 2-Nitrophenol	9.690	139	353273	39.528	ng	98
27) 2,4-Dimethylphenol	9.743	122	756826	37.381	ng	96
28) bis(2-Chloroethoxy)met...	9.984	93	1017512	38.088	ng	99
29) 2,4-Dichlorophenol	10.213	162	706413	39.853	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	736298	37.651	ng	100
31) Naphthalene	10.619	128	2369705	37.348	ng	99
32) Benzoic acid	9.872	122	476318	43.119	ng	96
33) 4-Chloroaniline	10.719	127	1097955	38.908	ng	99
34) Hexachlorobutadiene	10.913	225	426384	37.983	ng	98
35) Caprolactam	11.478	113	268817	39.093	ng	100
36) 4-Chloro-3-methylphenol	11.831	107	817278	39.847	ng	99
37) 2-Methylnaphthalene	12.225	142	1546620	37.660	ng	99
38) 1-Methylnaphthalene	12.443	142	1647105	38.438	ng	99
40) 1,2,4,5-Tetrachloroben...	12.595	216	806158	36.772	ng	100
41) Hexachlorocyclopentadiene	12.584	237	532962	39.389	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	574283	40.551	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	637340	40.117	ng		99
46) 1,1'-Biphenyl	13.242	154	2225078	37.601	ng		100
47) 2-Chloronaphthalene	13.284	162	1670076	36.992	ng		99
48) 2-Nitroaniline	13.472	65	509511	39.111	ng		97
49) Acenaphthylene	14.131	152	2839893	37.711	ng		100
50) Dimethylphthalate	13.872	163	2210689	37.765	ng		100
51) 2,6-Dinitrotoluene	13.978	165	464068	42.979	ng		94
52) Acenaphthene	14.484	154	1741305	37.908	ng		99
53) 3-Nitroaniline	14.307	138	542330	42.925	ng		100
54) 2,4-Dinitrophenol	14.513	184	192889	44.579	ng	#	52
55) Dibenzofuran	14.819	168	2564382	37.357	ng		100
56) 4-Nitrophenol	14.613	139	459387	41.198	ng		95
57) 2,4-Dinitrotoluene	14.766	165	648337	39.363	ng		96
58) Fluorene	15.478	166	1972403	36.584	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	537674	40.516	ng		99
60) Diethylphthalate	15.260	149	2250136	38.127	ng		99
61) 4-Chlorophenyl-phenyle...	15.478	204	936379	36.635	ng		99
62) 4-Nitroaniline	15.484	138	521442	41.652	ng		98
63) Azobenzene	15.778	77	2076036	37.866	ng		99
65) 4,6-Dinitro-2-methylph...	15.548	198	293694	43.059	ng		98
66) n-Nitrosodiphenylamine	15.695	169	1831755	37.466	ng		99
67) 4-Bromophenyl-phenylether	16.389	248	612029	37.882	ng		98
68) Hexachlorobenzene	16.507	284	678667	37.437	ng		98
69) Atrazine	16.672	200	660816	38.434	ng		99
70) Pentachlorophenol	16.848	266	469548	40.655	ng		97
71) Phenanthrene	17.260	178	3218487	36.596	ng		99
72) Anthracene	17.354	178	3374425	38.053	ng		100
73) Carbazole	17.625	167	3142276	36.915	ng		99
74) Di-n-butylphthalate	18.236	149	4081711	39.636	ng		100
75) Fluoranthene	19.342	202	3757235	36.904	ng		99
77) Benzidine	19.536	184	2380752	42.024	ng		99
78) Pyrene	19.719	202	3853987	37.027	ng		99
80) Butylbenzylphthalate	20.677	149	1775636	42.064	ng		99
81) Benzo(a)anthracene	21.648	228	3826778	36.791	ng		99
82) 3,3'-Dichlorobenzidine	21.566	252	1431183	38.998	ng		99
83) Chrysene	21.719	228	3541271	36.707	ng		99
84) Bis(2-ethylhexyl)phtha...	21.607	149	2765334	41.026	ng		99
85) Di-n-octyl phthalate	22.913	149	4594460	40.723	ng		99
87) Indeno(1,2,3-cd)pyrene	28.895	276	3980671	32.101	ng	#	93
88) Benzo(b)fluoranthene	23.971	252	3794446	36.638	ng		100
89) Benzo(k)fluoranthene	24.036	252	3839465	37.398	ng		99
90) Benzo(a)pyrene	24.877	252	3753992	37.640	ng		99
91) Dibenzo(a,h)anthracene	28.983	278	3762707	37.050	ng		99
92) Benzo(g,h,i)perylene	30.083	276	3674873	36.870	ng		99

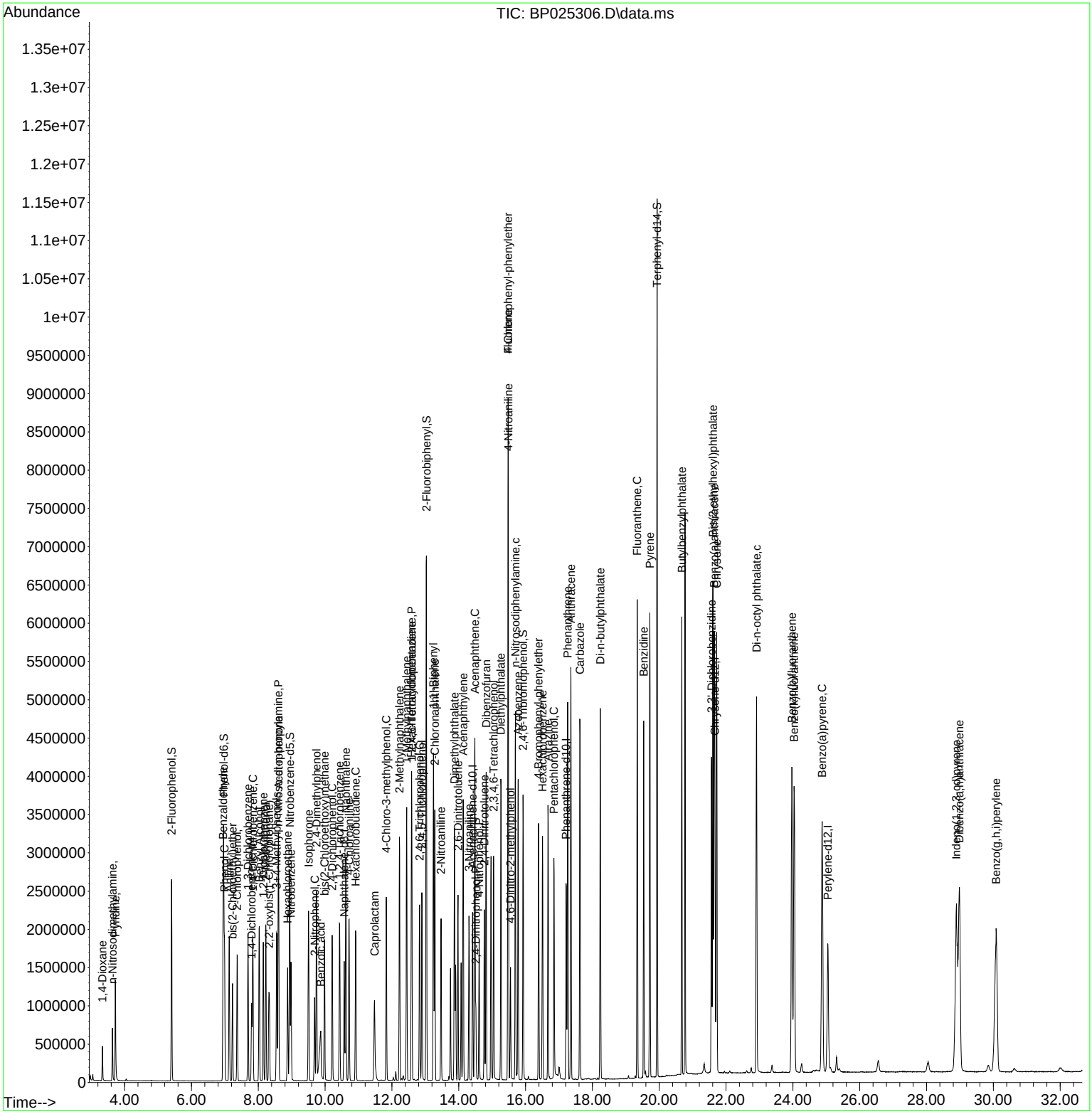
(#) = qualifier out of range (m) = manual integration (+) = signals summed

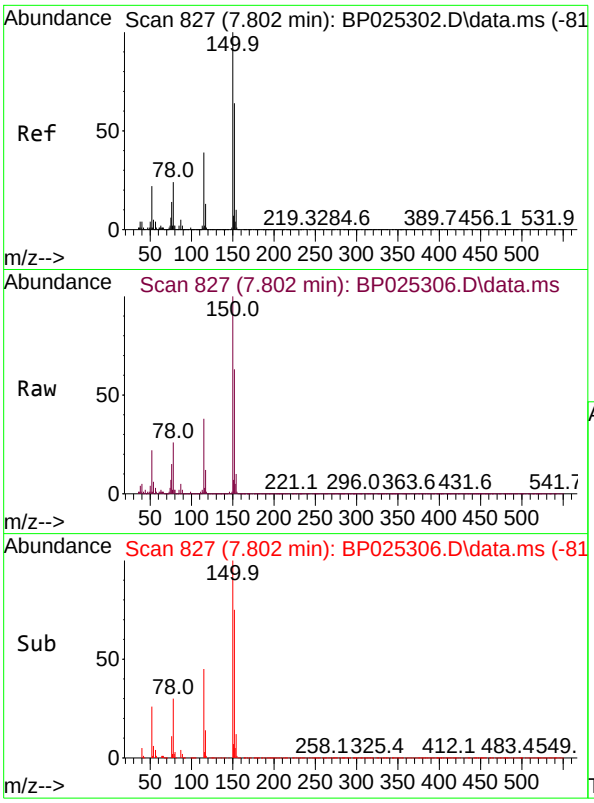
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080525\
Data File : BP025306.D
Acq On : 05 Aug 2025 17:32
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Quant Time: Aug 06 06:56:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



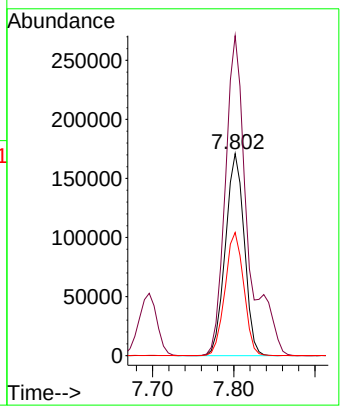


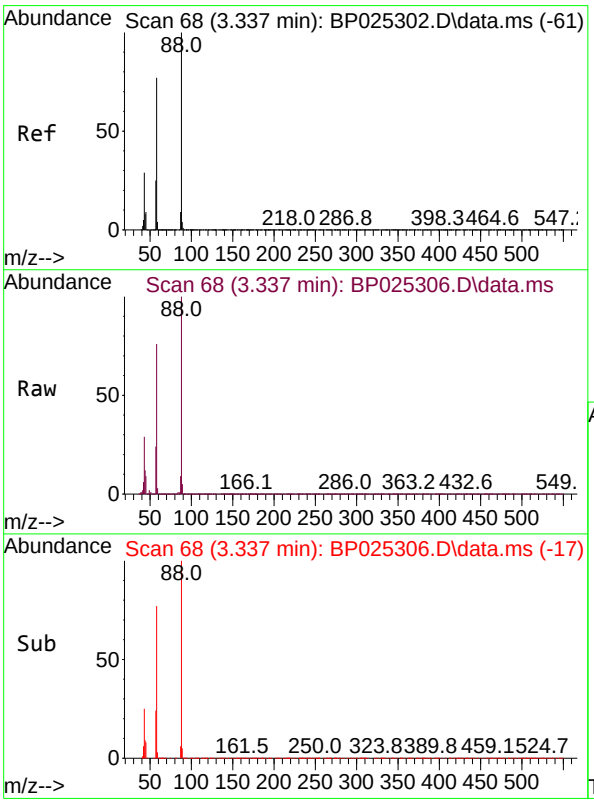
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:152 Resp: 275520

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.1	187.7
115	61.0	48.4	72.6

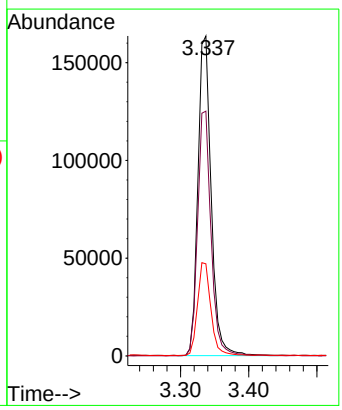


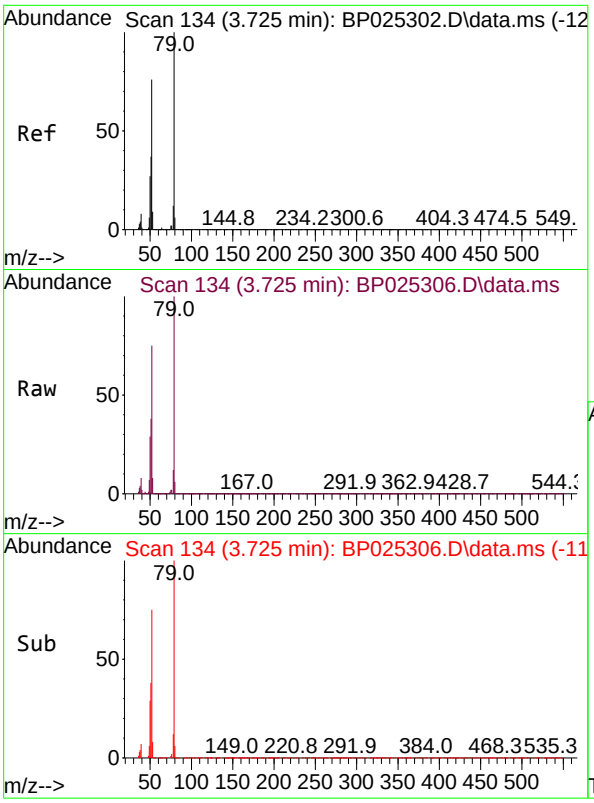


#2
1,4-Dioxane
Concen: 32.761 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 88 Resp: 221468

Ion	Ratio	Lower	Upper
88	100		
58	77.6	61.9	92.9
43	29.2	24.2	36.2



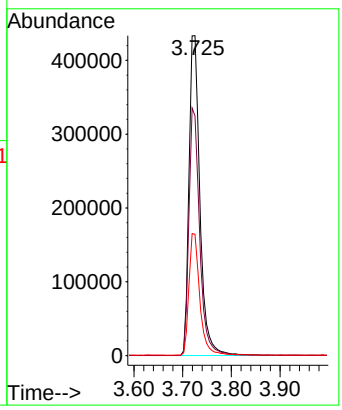


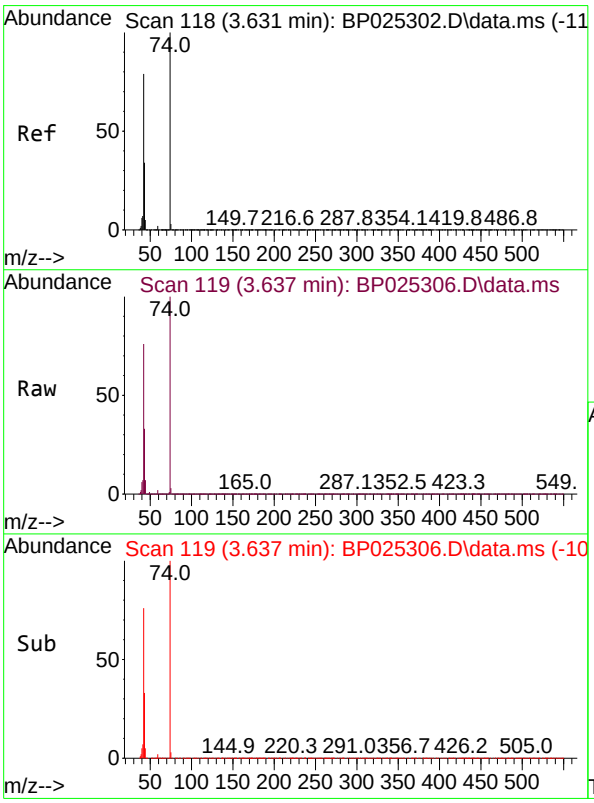
#3
Pyridine
Concen: 35.938 ng
RT: 3.725 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 79 Resp: 674974

Ion	Ratio	Lower	Upper
79	100		
52	74.9	60.5	90.7
51	37.9	30.2	45.2

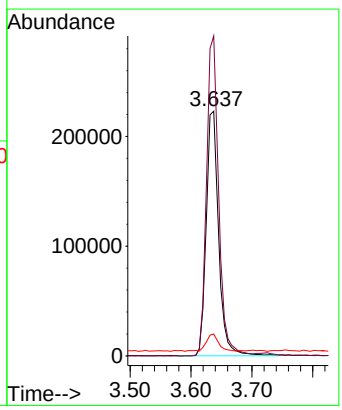


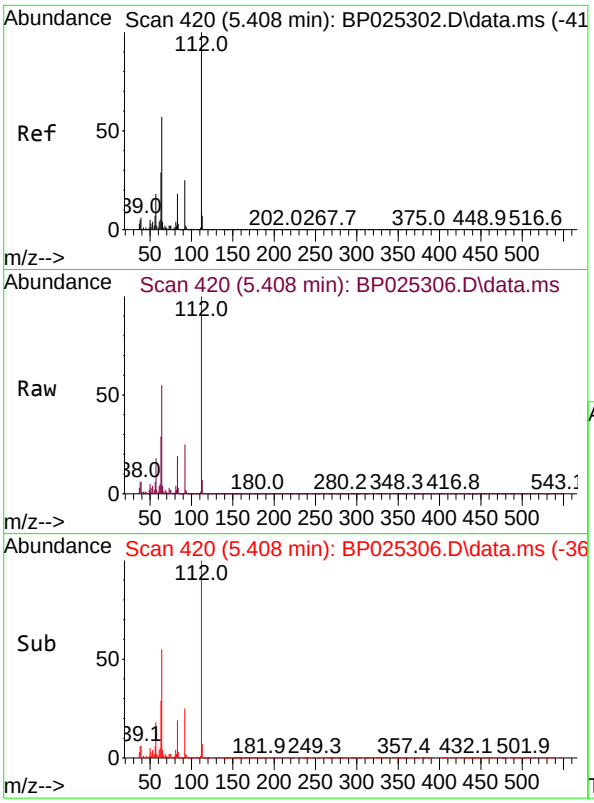


#4
n-Nitrosodimethylamine
Concen: 36.198 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 42 Resp: 315629

Ion	Ratio	Lower	Upper
42	100		
74	130.8	101.4	152.2
44	8.9	7.6	11.4



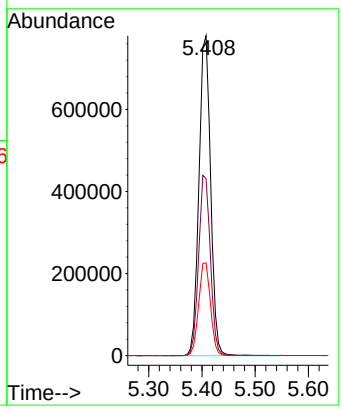


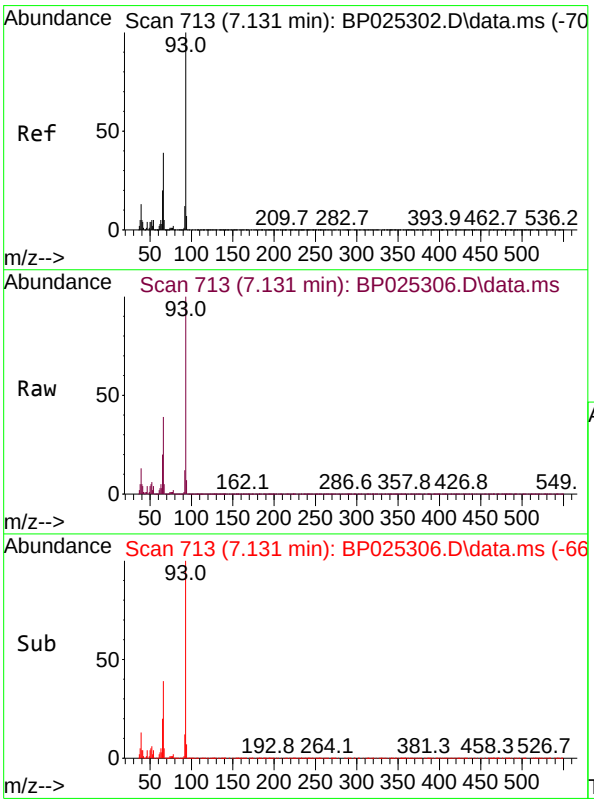
#5
2-Fluorophenol
Concen: 68.960 ng
RT: 5.408 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:112 Resp: 1181310

Ion	Ratio	Lower	Upper
112	100		
64	55.3	45.3	67.9
63	29.0	23.0	34.6

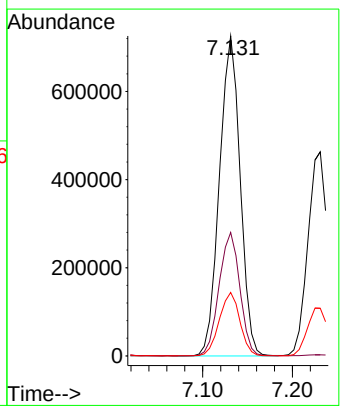


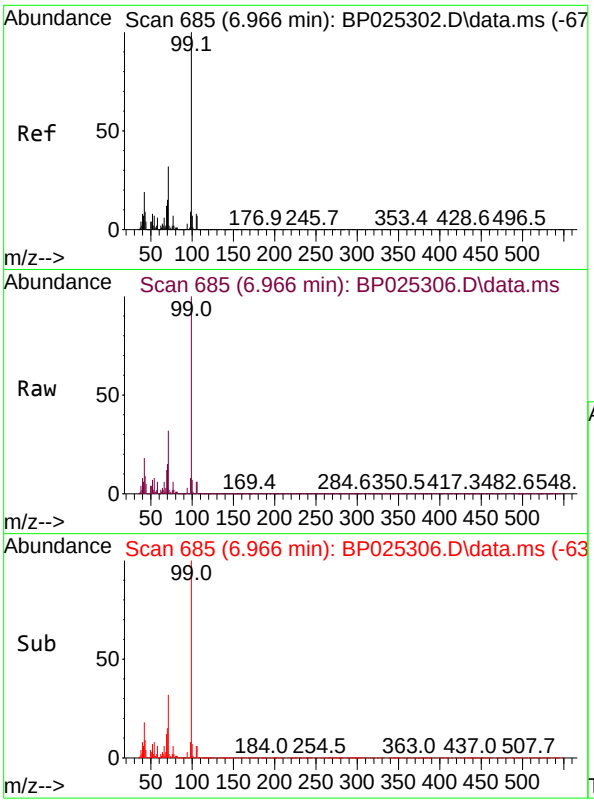


#6
Aniline
Concen: 37.746 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1168199

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.1	46.7
65	19.8	15.8	23.8



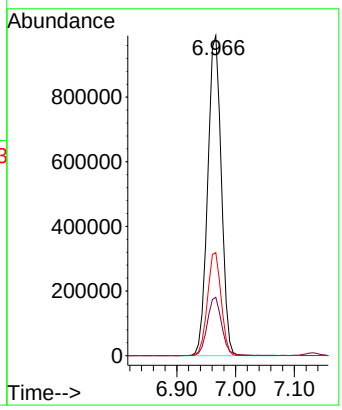


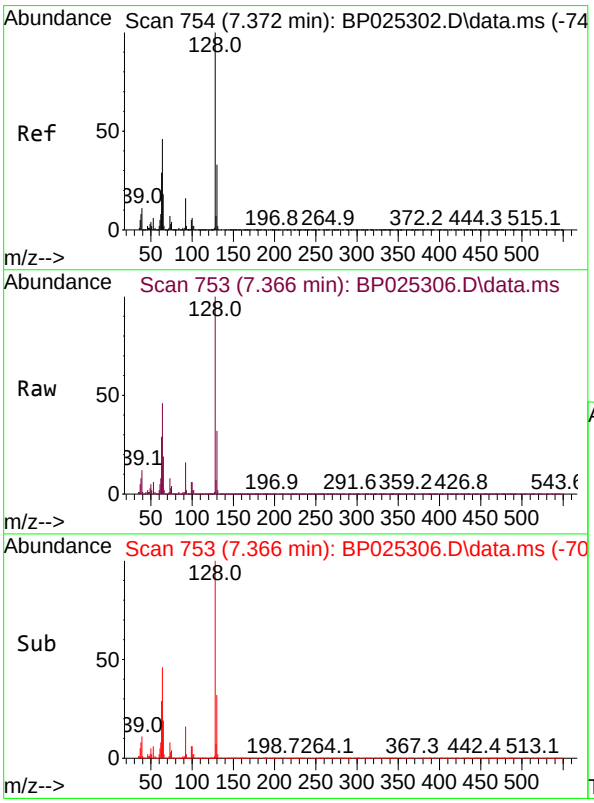
#7
Phenol-d6
Concen: 70.557 ng
RT: 6.966 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 99 Resp: 1590709

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.6
71	32.2	25.5	38.3

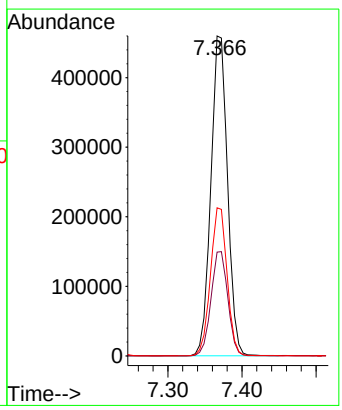


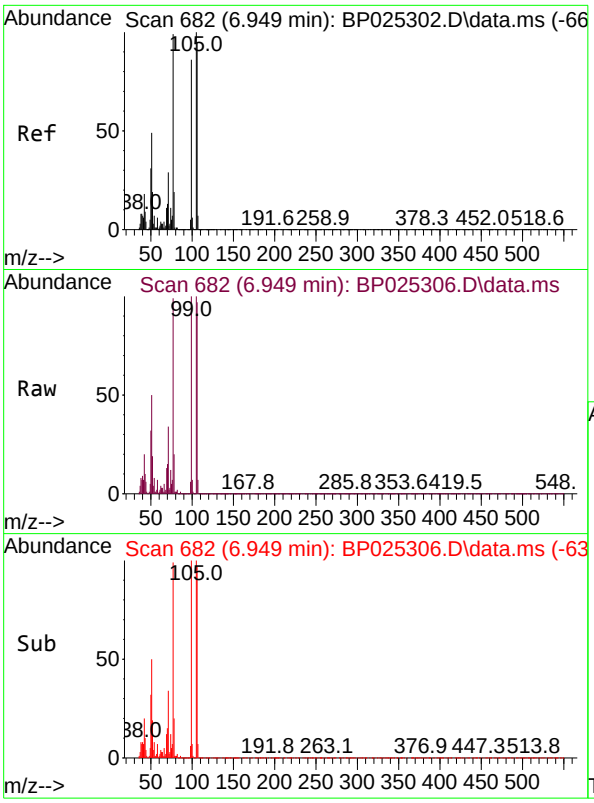


#8
2-Chlorophenol
Concen: 38.218 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:128 Resp: 716630

Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.1	53.1
64	46.3	26.1	66.1



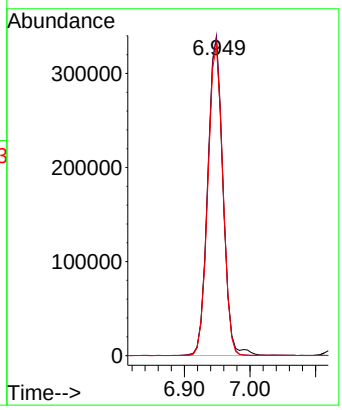


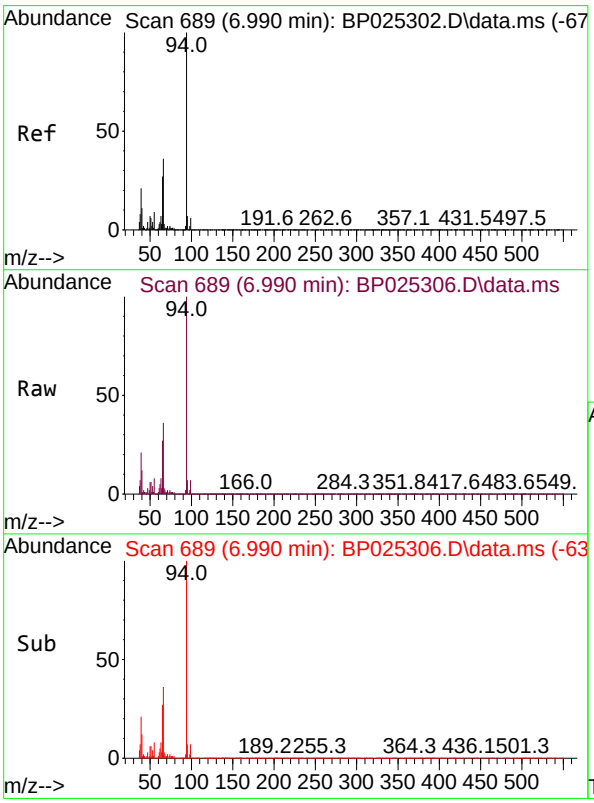
#9
Benzaldehyde
Concen: 33.857 ng
RT: 6.949 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 77 Resp: 542125

Ion	Ratio	Lower	Upper
77	100		
105	100.7	81.4	121.4
106	97.5	76.2	116.2

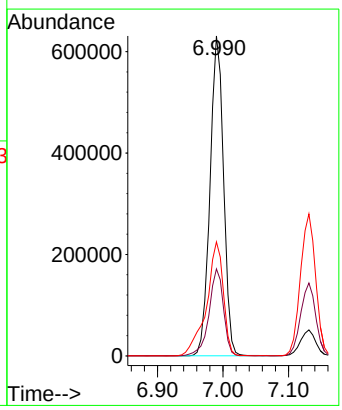


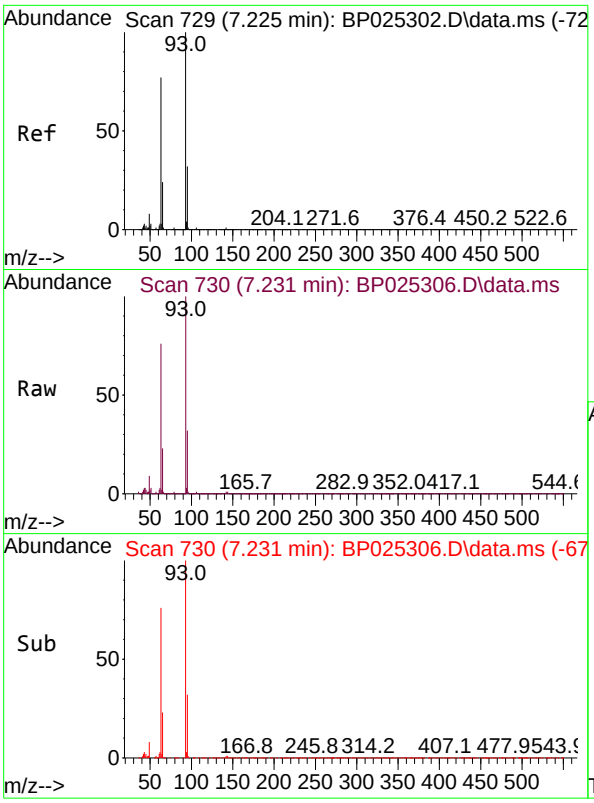


#10
Phenol
Concen: 37.664 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 94 Resp: 908541

Ion	Ratio	Lower	Upper
94	100		
65	27.2	7.3	47.3
66	35.6	15.7	55.7



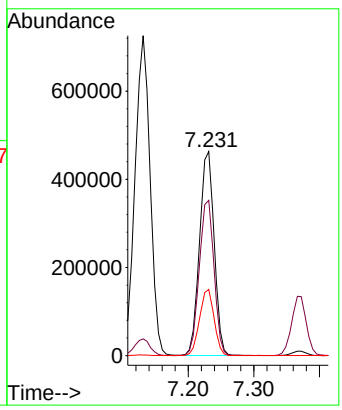


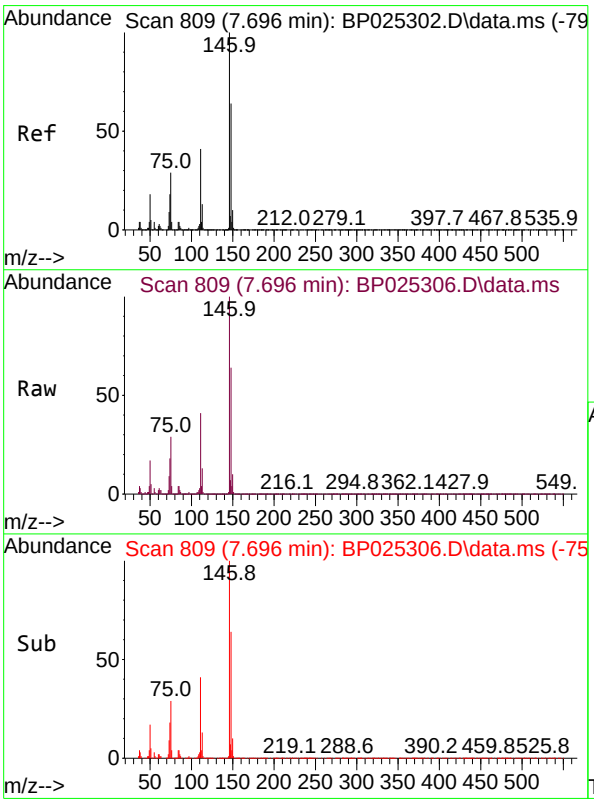
#11
bis(2-Chloroethyl)ether
Concen: 37.860 ng
RT: 7.231 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 93 Resp: 715577

Ion	Ratio	Lower	Upper
93	100		
63	76.1	57.0	97.0
95	32.4	12.1	52.1

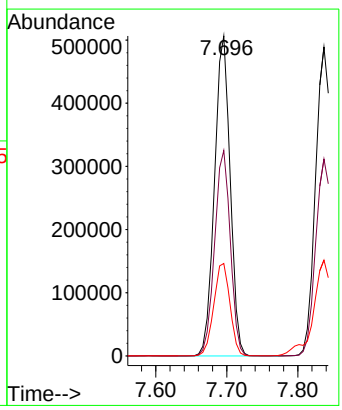


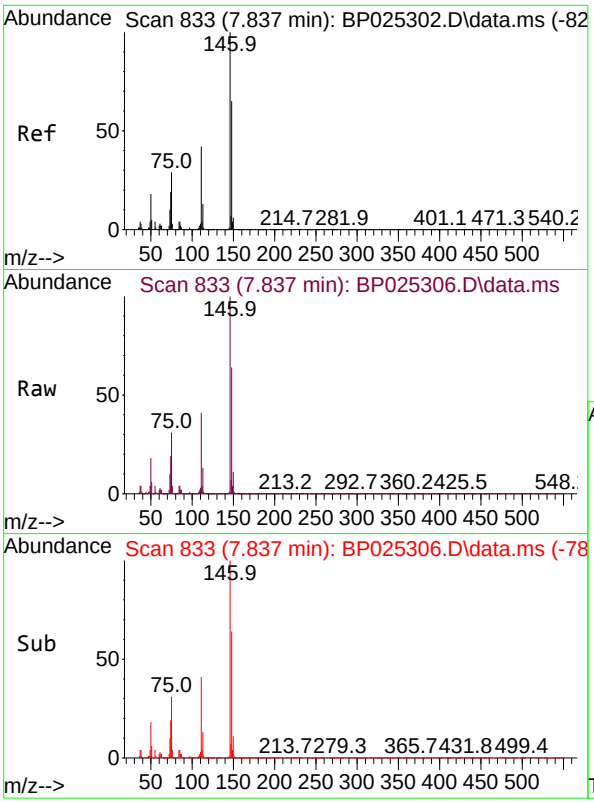


#12
1,3-Dichlorobenzene
Concen: 36.894 ng
RT: 7.696 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 777323

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
75	28.9	23.2	34.8



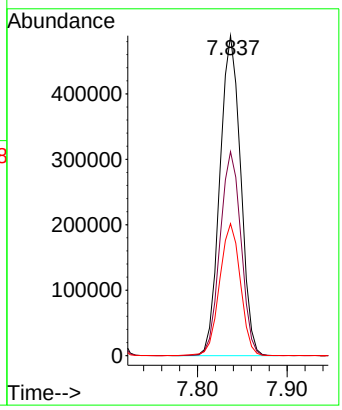


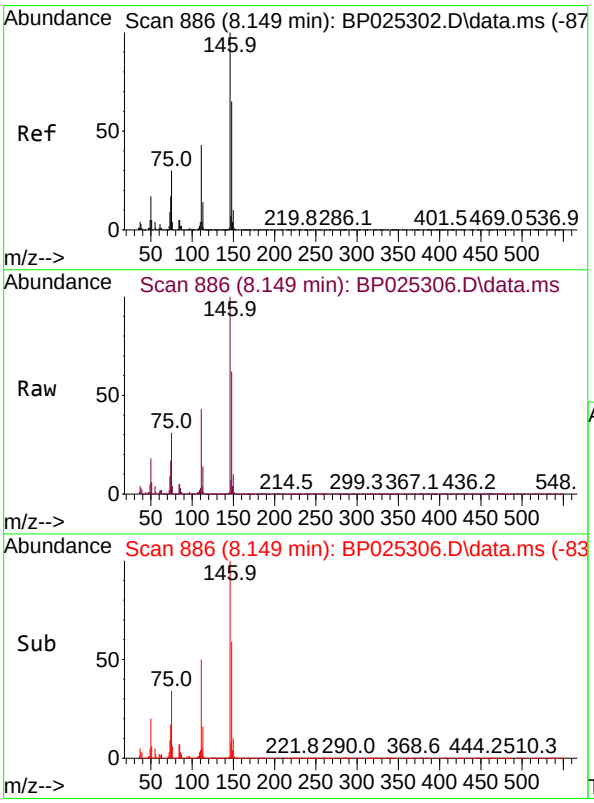
#13
1,4-Dichlorobenzene
Concen: 37.069 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:146 Resp: 790167

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	41.2	33.2	49.8

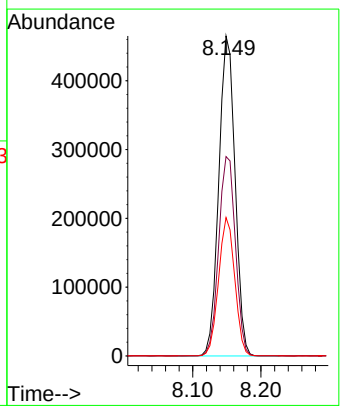


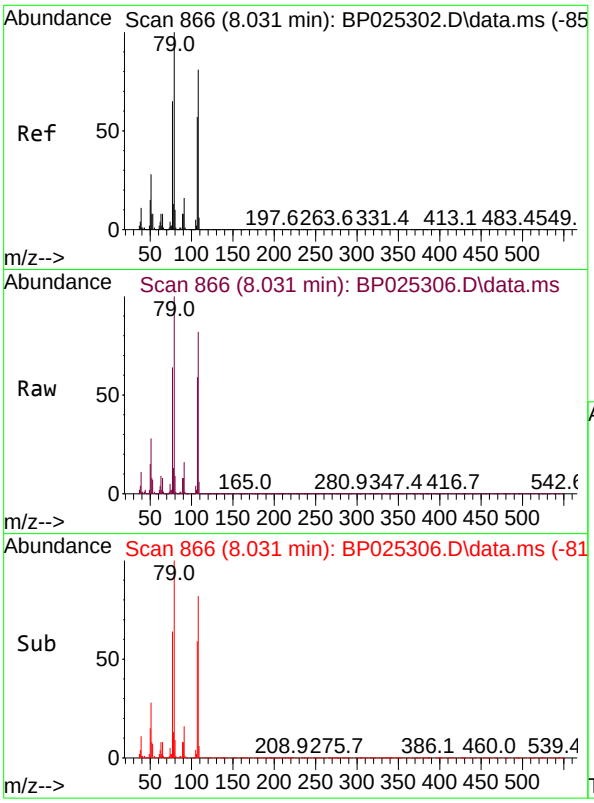


#14
1,2-Dichlorobenzene
Concen: 37.139 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:146 Resp: 766897

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.9	77.9
111	43.2	34.4	51.6



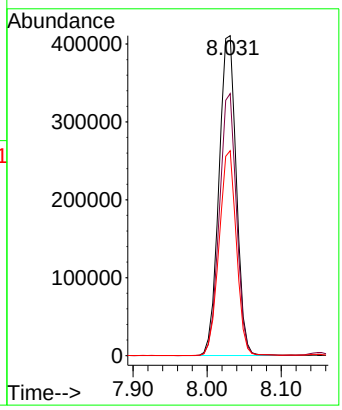


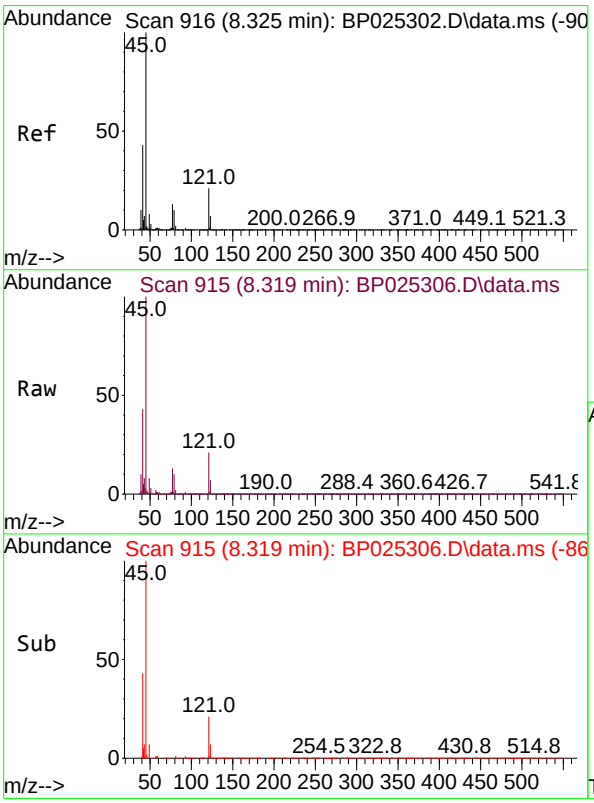
#15
Benzyl Alcohol
Concen: 38.230 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 79 Resp: 668093

Ion	Ratio	Lower	Upper
79	100		
108	81.9	64.5	96.7
77	64.0	51.9	77.9

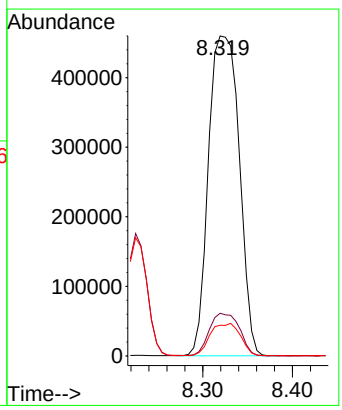


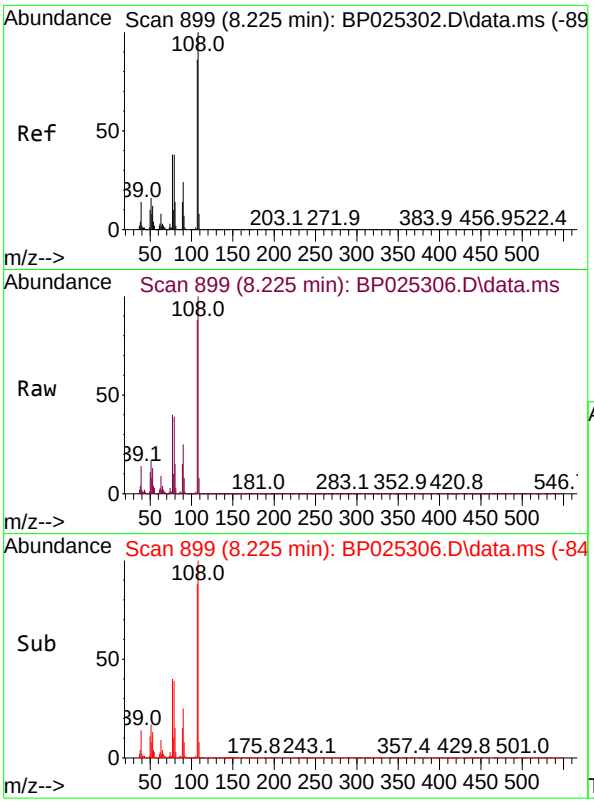


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.800 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 45 Resp: 1098738

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.0
79	9.6	0.0	29.8



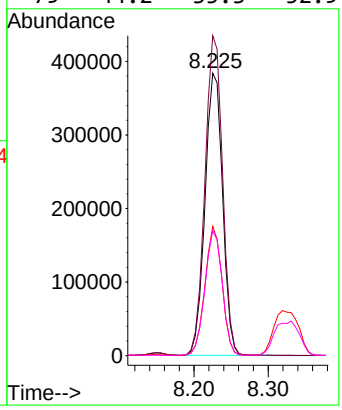


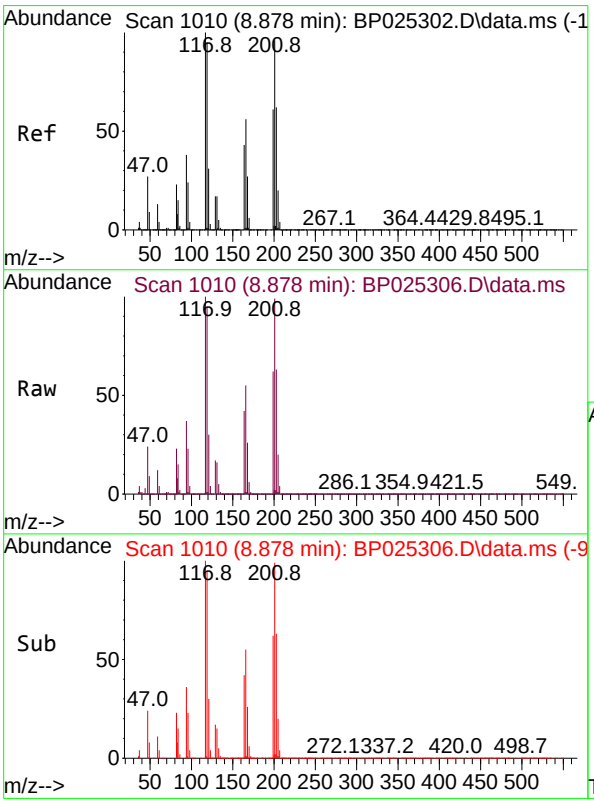
#17
2-Methylphenol
Concen: 39.242 ng
RT: 8.225 min Scan# 89
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:107 Resp: 633399

Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.6	139.0
77	45.8	35.4	53.2
79	44.2	35.3	52.9

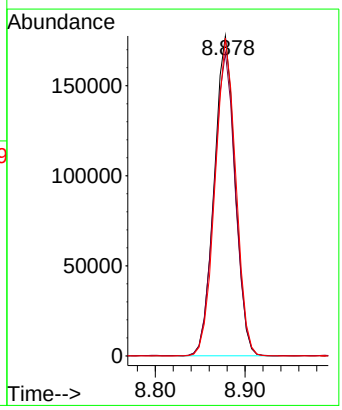


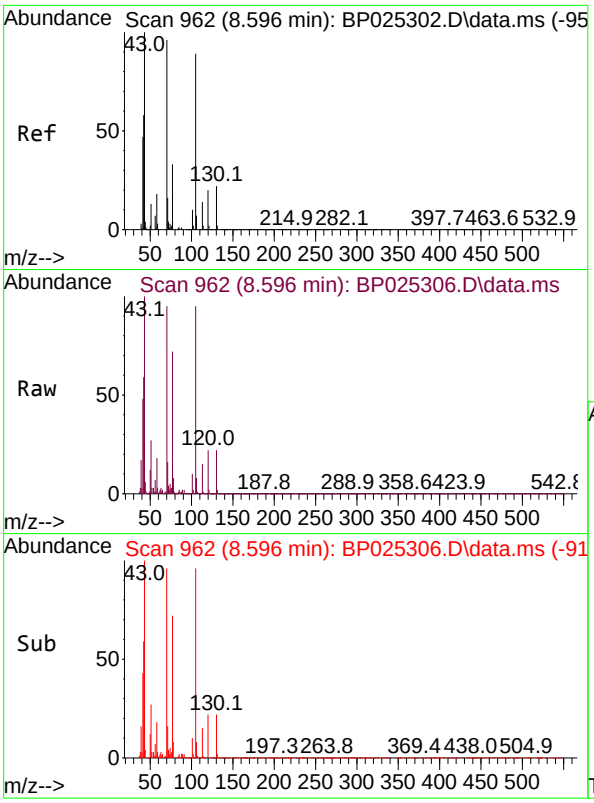


#18
Hexachloroethane
Concen: 37.712 ng
RT: 8.878 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:117 Resp: 287484

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	99.3	76.6	114.8



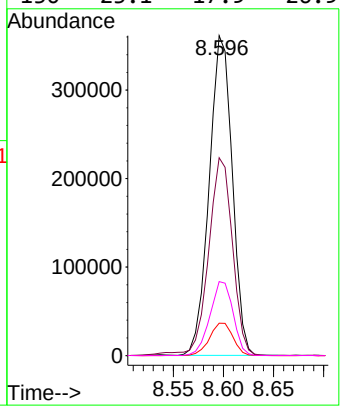


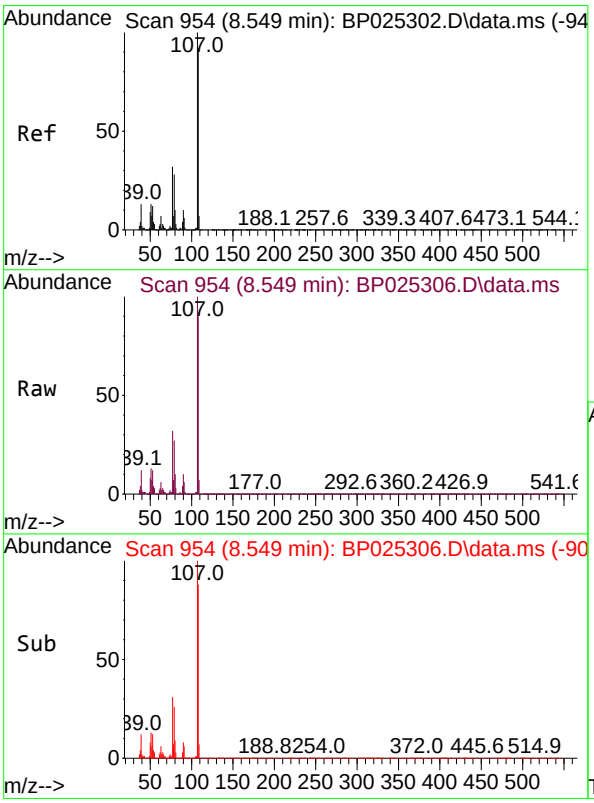
#19
n-Nitroso-di-n-propylamine
Concen: 39.071 ng
RT: 8.596 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 70 Resp: 578735

Ion	Ratio	Lower	Upper
70	100		
42	61.8	49.4	74.0
101	10.1	7.9	11.9
130	23.1	17.9	26.9

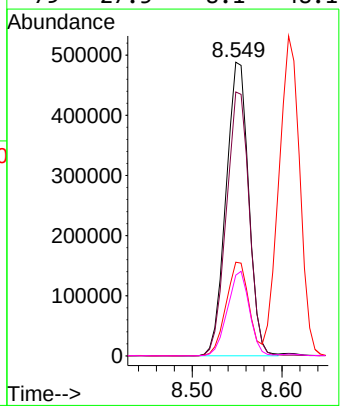


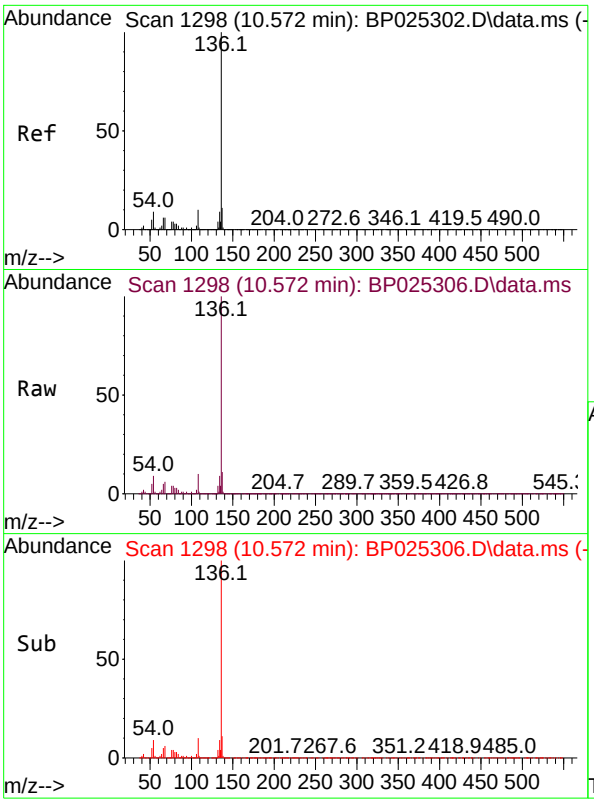


#20
3+4-Methylphenols
Concen: 38.632 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 858644

Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.9	111.9
77	31.9	12.0	52.0
79	27.5	8.1	48.1



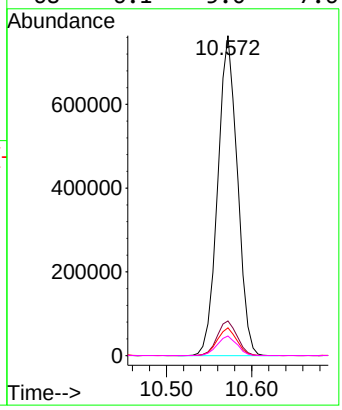


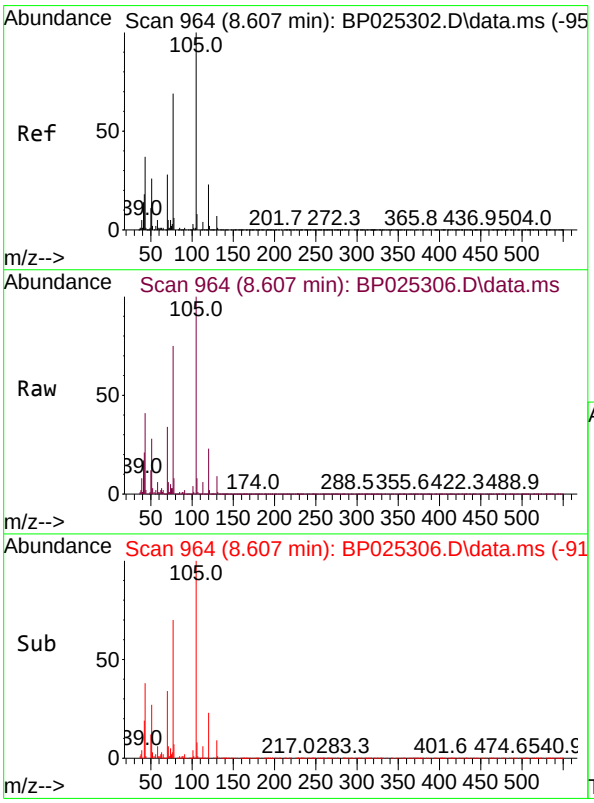
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:136 Resp: 1222241

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.7	7.0	10.6
68	6.1	5.0	7.6

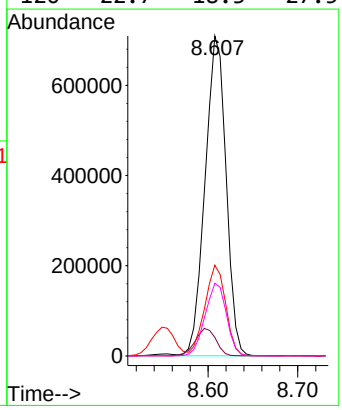


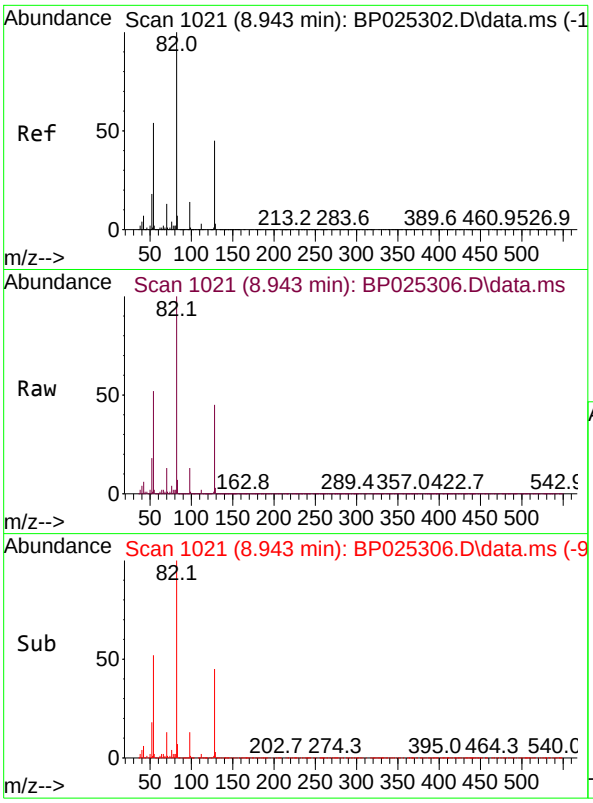


#22
Acetophenone
Concen: 37.755 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:105 Resp: 1158440

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.1	6.1
51	28.3	22.7	34.1
120	22.7	18.3	27.5



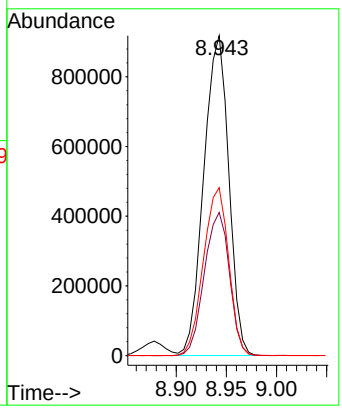


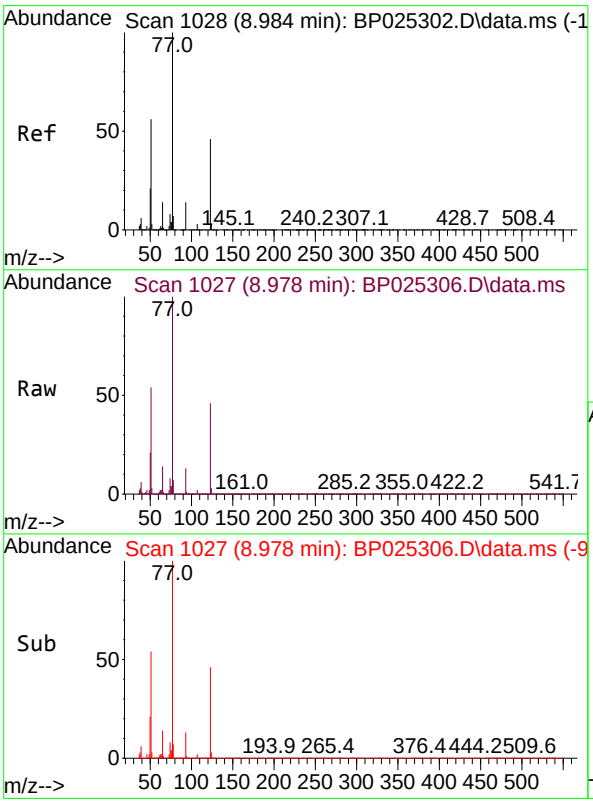
#23
Nitrobenzene-d5
Concen: 71.916 ng
RT: 8.943 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 82 Resp: 1586597

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.4	53.2
54	52.5	42.9	64.3

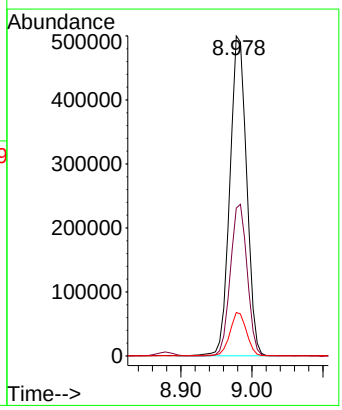


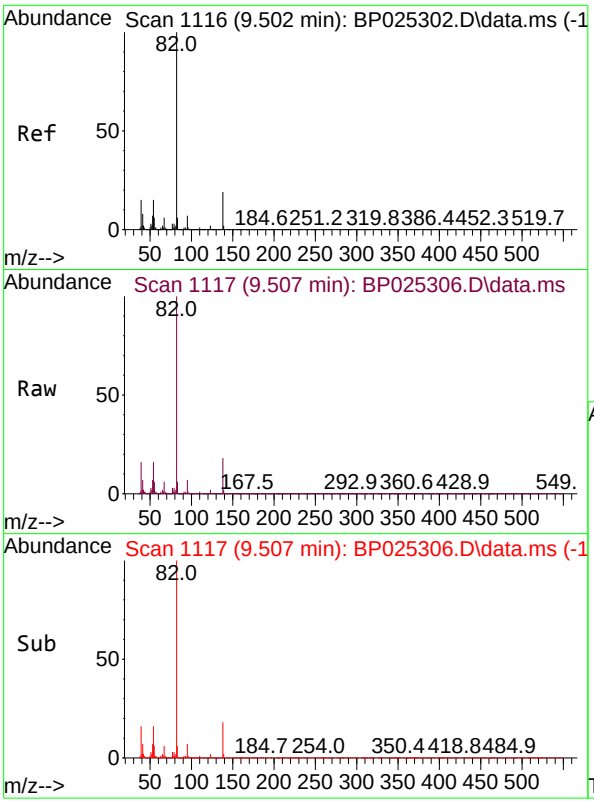


#24
Nitrobenzene
Concen: 39.201 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 77 Resp: 818671

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.4	56.2
65	13.6	11.1	16.7



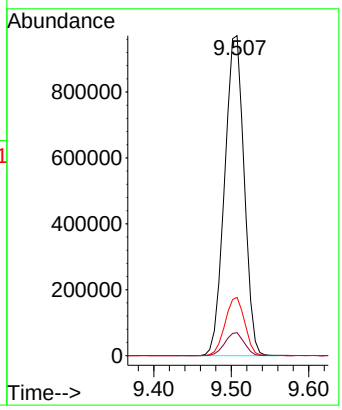


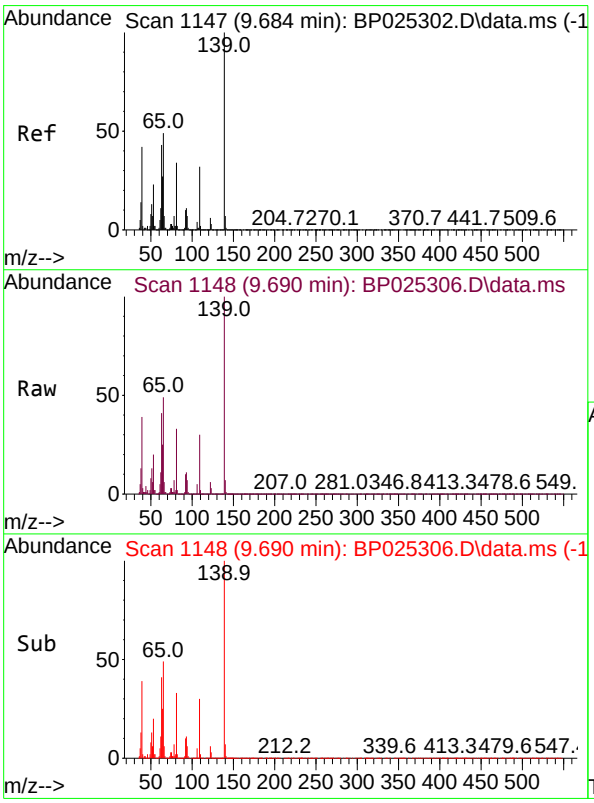
#25
Isophorone
Concen: 38.747 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 82 Resp: 1701592

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.2	15.0	22.6

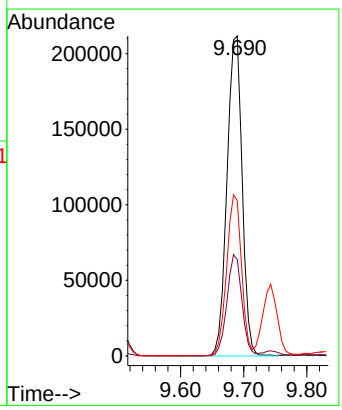


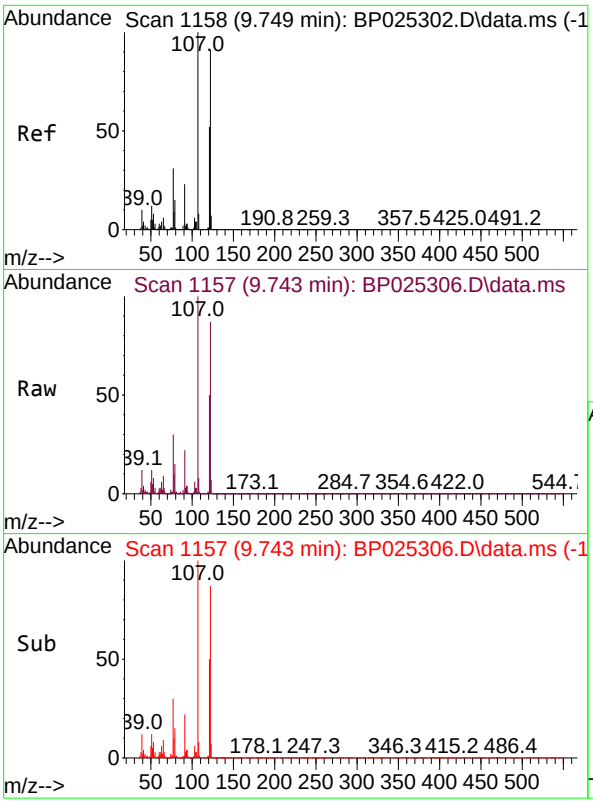


#26
2-Nitrophenol
Concen: 39.528 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 353273

Ion	Ratio	Lower	Upper
139	100		
109	30.1	25.2	37.8
65	48.6	39.6	59.4



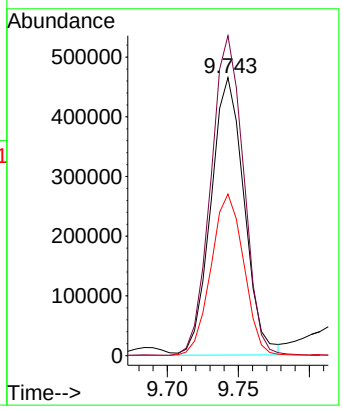


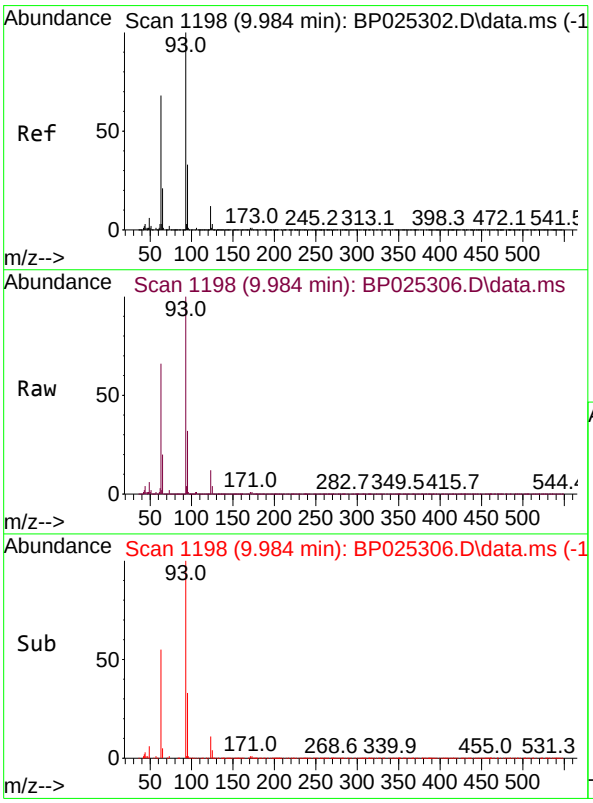
#27
2,4-Dimethylphenol
Concen: 37.381 ng
RT: 9.743 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:122 Resp: 756826

Ion	Ratio	Lower	Upper
122	100		
107	115.1	87.4	131.0
121	58.1	45.8	68.8

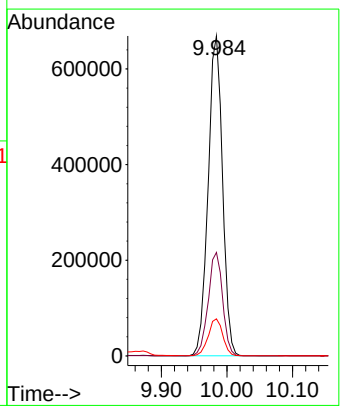


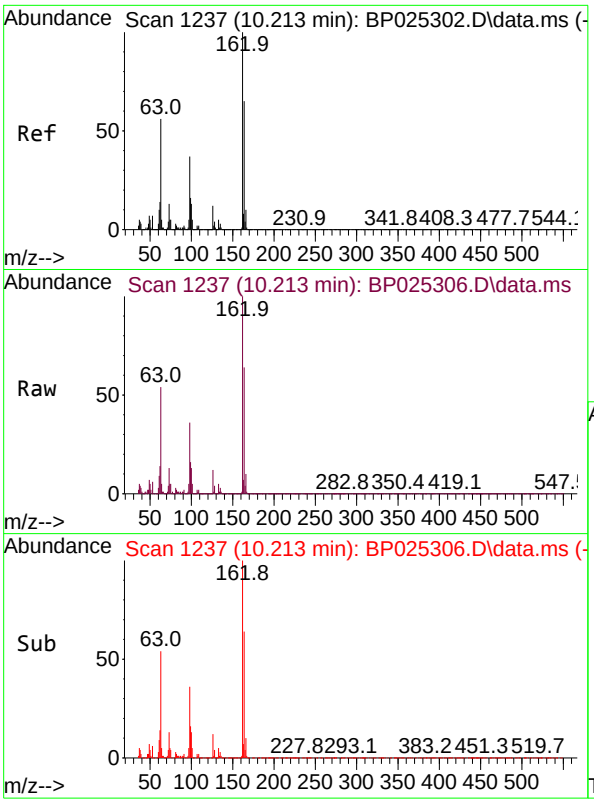


#28
bis(2-Chloroethoxy)methane
Concen: 38.088 ng
RT: 9.984 min Scan# 1198
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 93 Resp: 1017512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.5	39.7
123	11.6	9.4	14.2



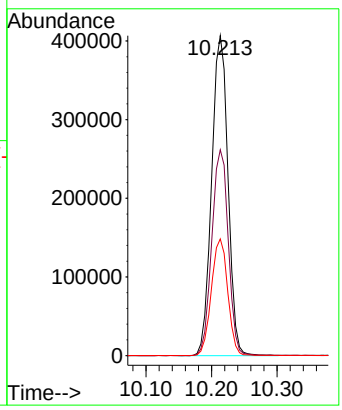


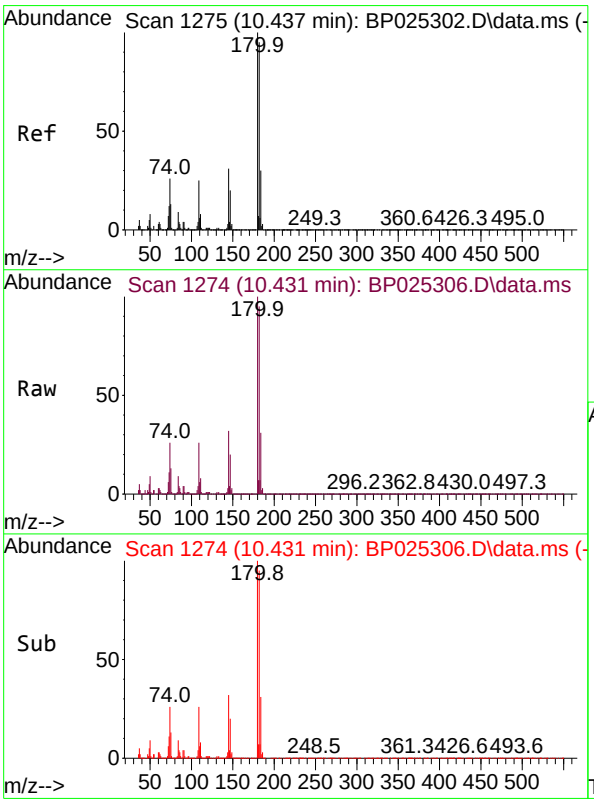
#29
2,4-Dichlorophenol
Concen: 39.853 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:162 Resp: 706413

Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.2	85.2
98	36.5	17.5	57.5

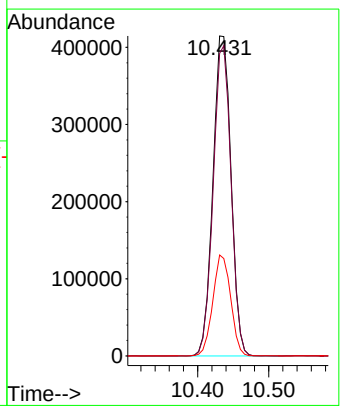


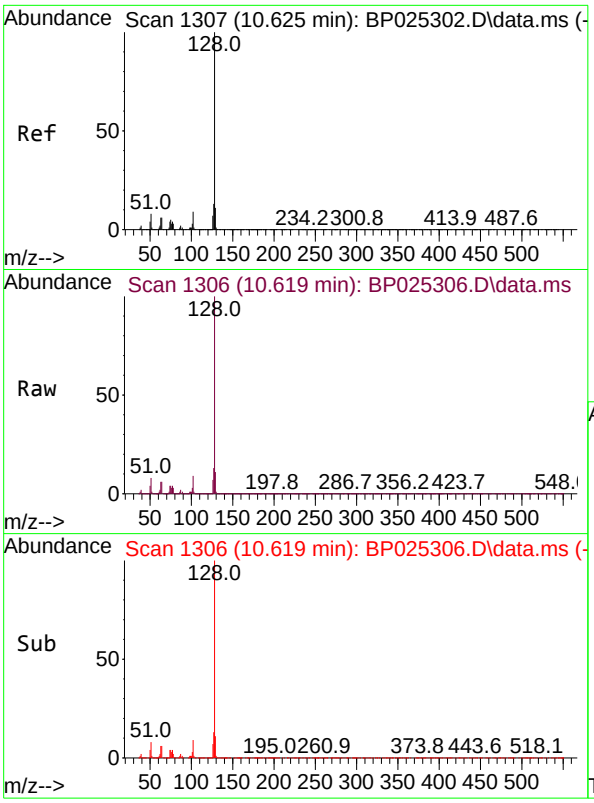


#30
1,2,4-Trichlorobenzene
Concen: 37.651 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:180 Resp: 736298

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
145	31.5	25.0	37.4



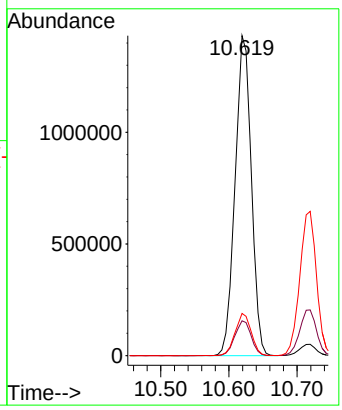


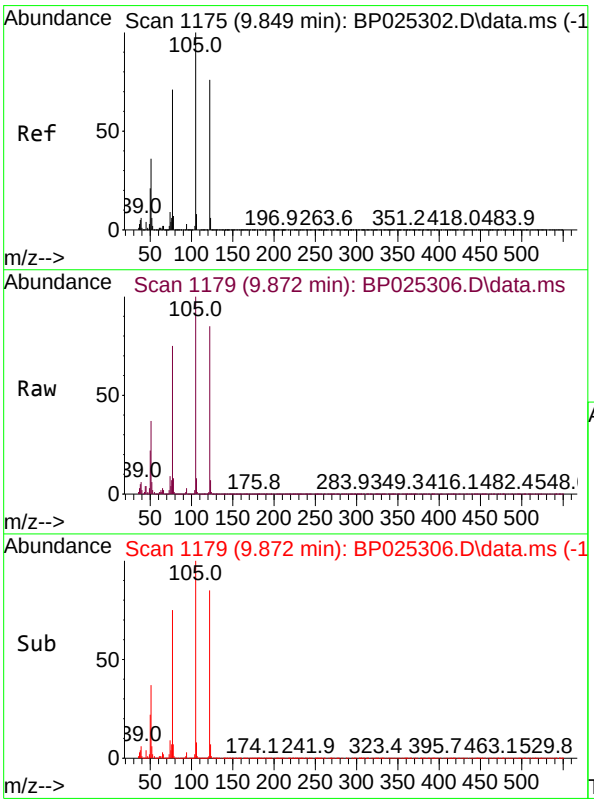
#31
Naphthalene
Concen: 37.348 ng
RT: 10.619 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:128 Resp: 2369705

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.2	10.4	15.6

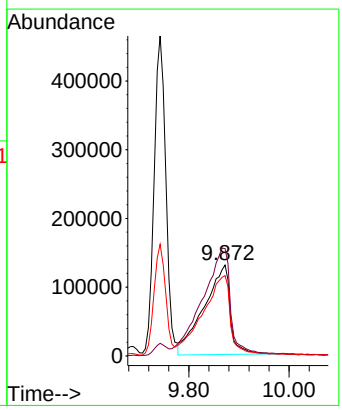


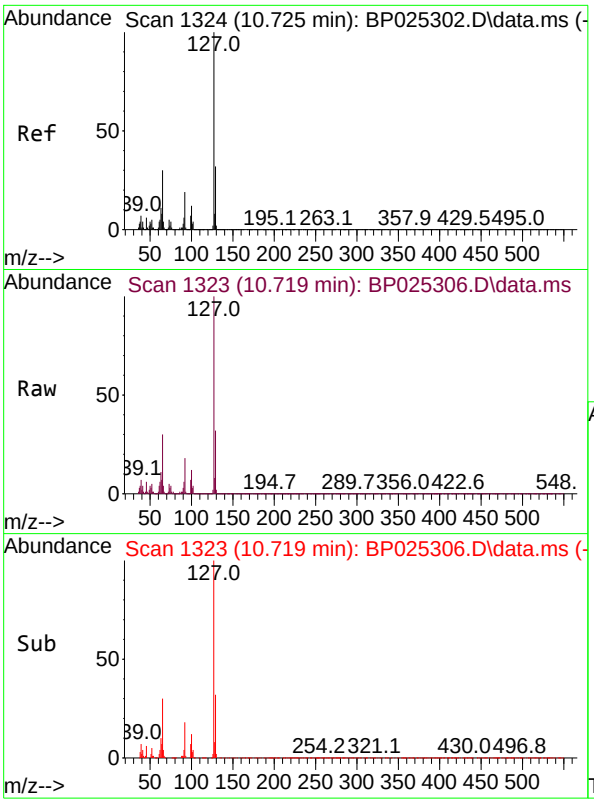


#32
Benzoic acid
Concen: 43.119 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:122 Resp: 476318

Ion	Ratio	Lower	Upper
122	100		
105	118.2	104.0	144.0
77	88.4	71.8	111.8



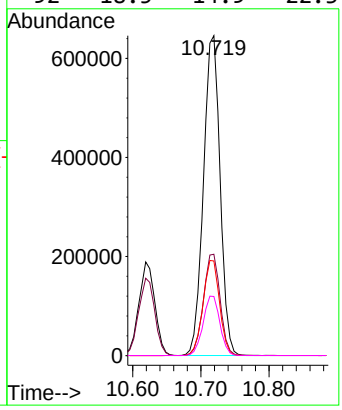


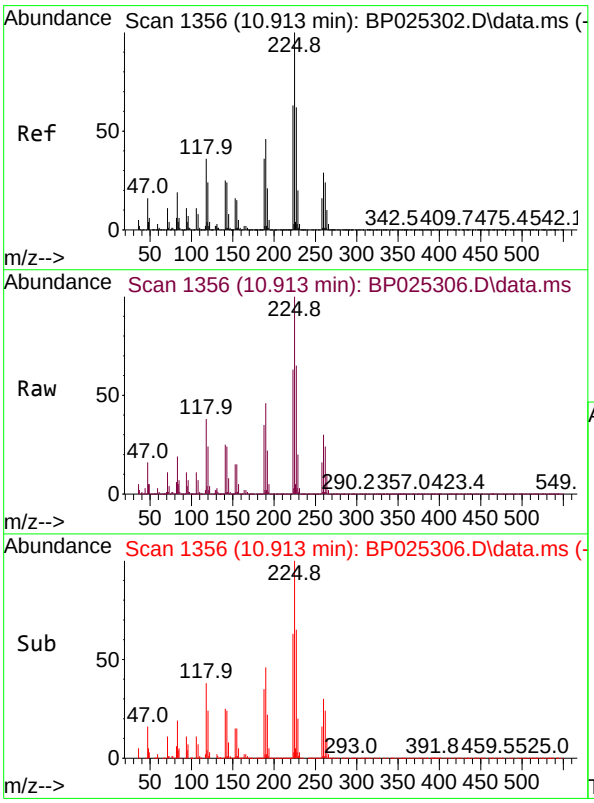
#33
4-Chloroaniline
Concen: 38.908 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:127 Resp: 1097955

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.6
65	29.6	23.6	35.4
92	18.5	14.9	22.3

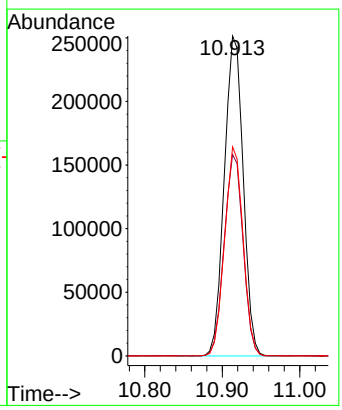


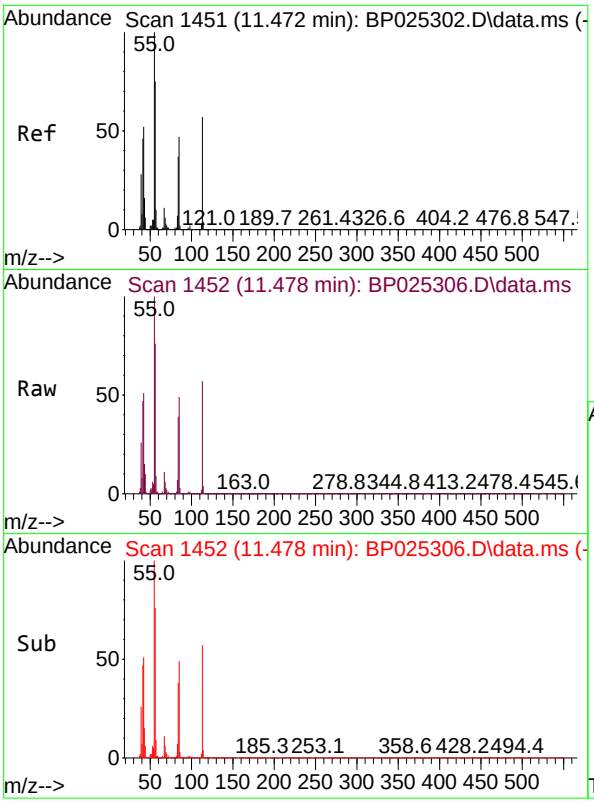


#34
Hexachlorobutadiene
Concen: 37.983 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:225 Resp: 426384

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	65.3	49.7	74.5



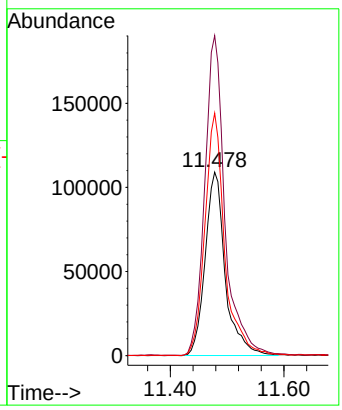


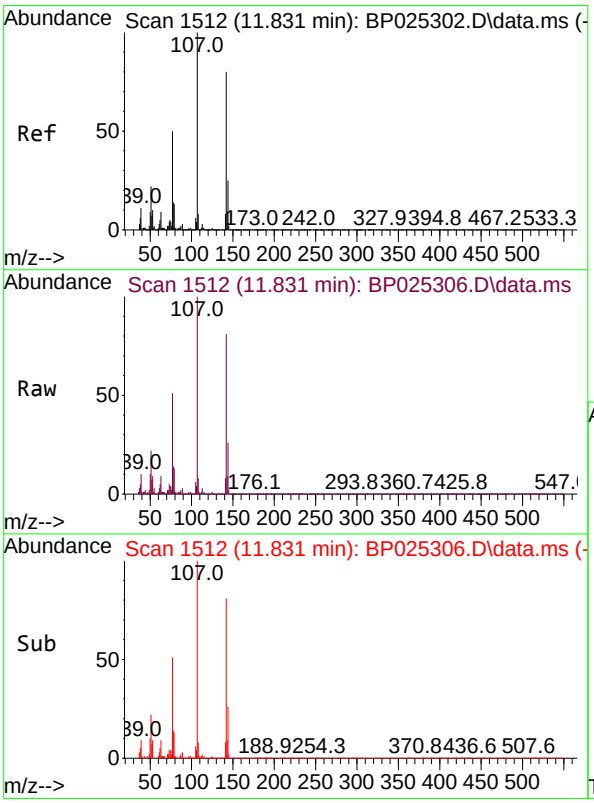
#35
Caprolactam
Concen: 39.093 ng
RT: 11.478 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:113 Resp: 268817

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.4	194.4
56	132.2	110.9	150.9

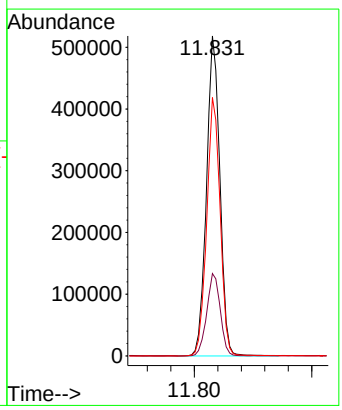


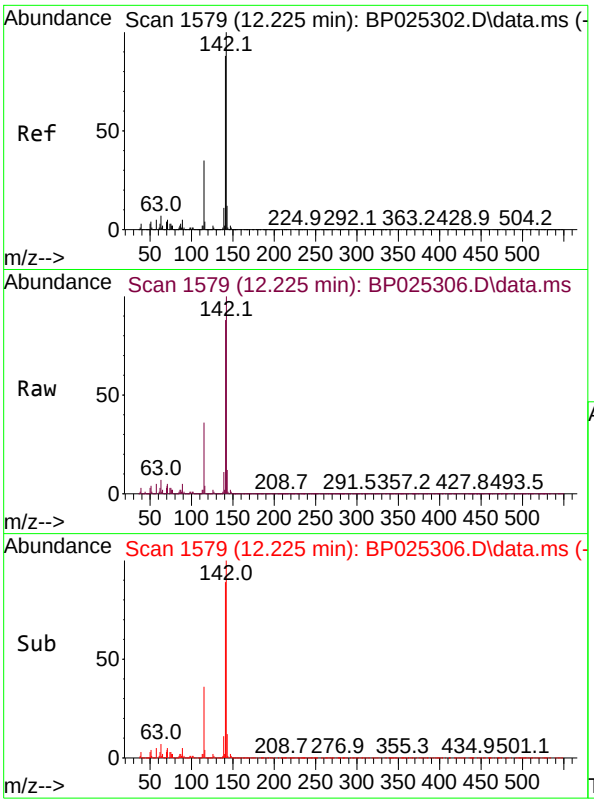


#36
4-Chloro-3-methylphenol
Concen: 39.847 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:107 Resp: 817278

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	80.7	63.7	95.5



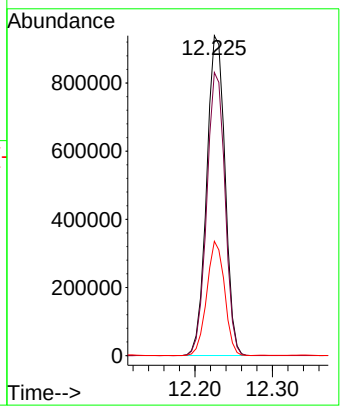


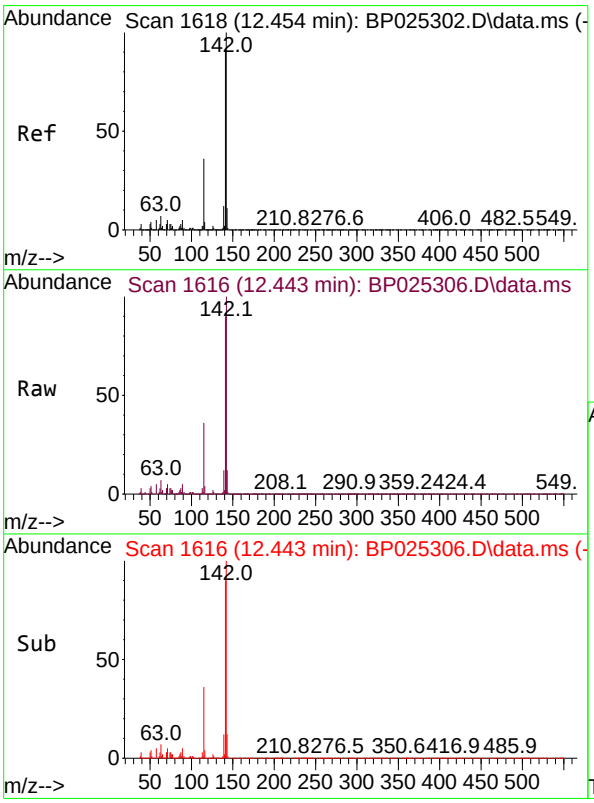
#37
2-Methylnaphthalene
Concen: 37.660 ng
RT: 12.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:142 Resp: 1546620

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.4	105.6
115	35.7	28.0	42.0

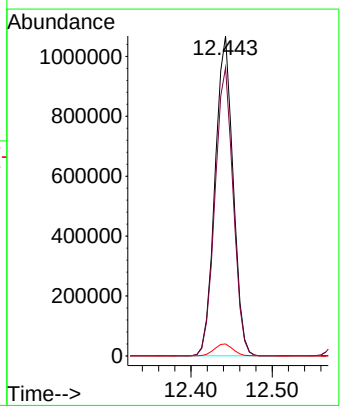


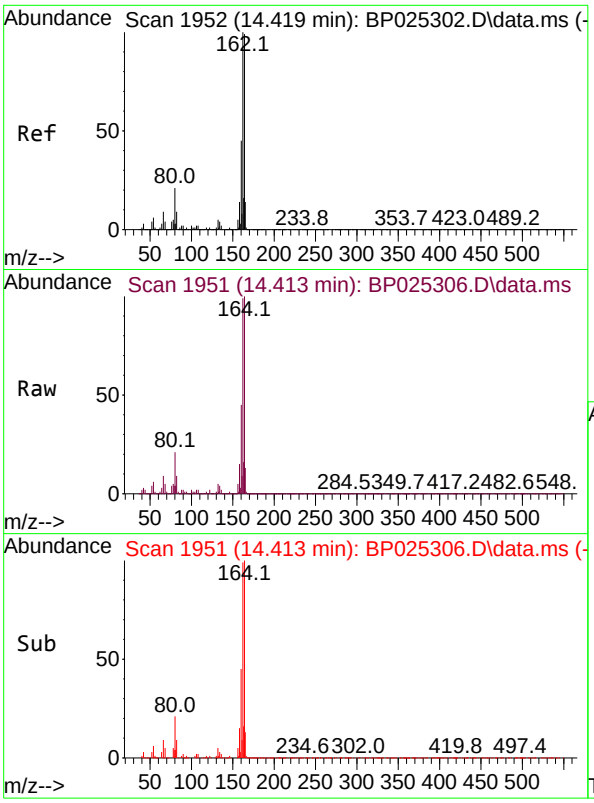


#38
1-Methylnaphthalene
Concen: 38.438 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:142 Resp: 1647105

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.0	109.6
116	3.8	3.0	4.6



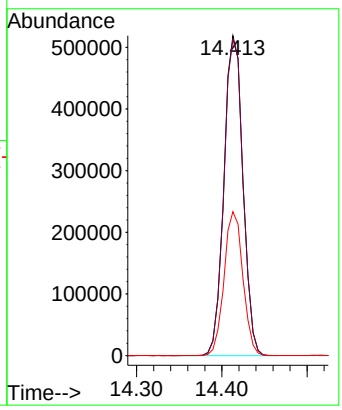


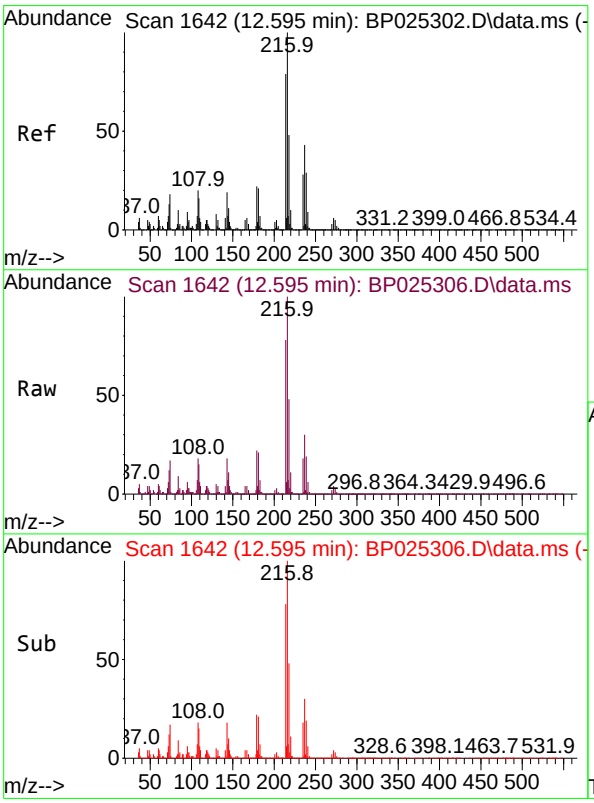
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:164 Resp: 802996

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	120.8
160	45.0	35.9	53.9

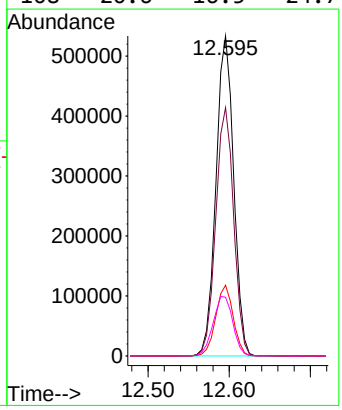


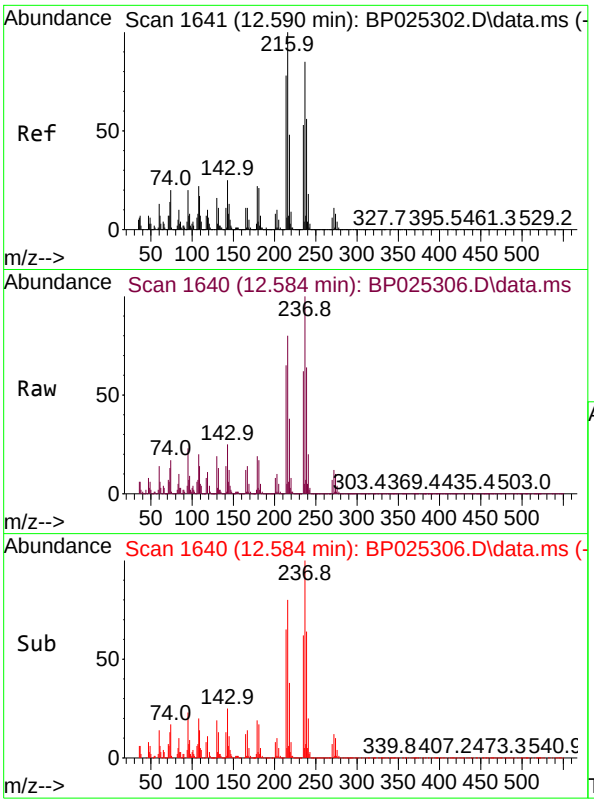


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.772 ng
RT: 12.595 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:216 Resp: 806158

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.4	93.6
179	21.8	17.5	26.3
108	20.6	16.5	24.7



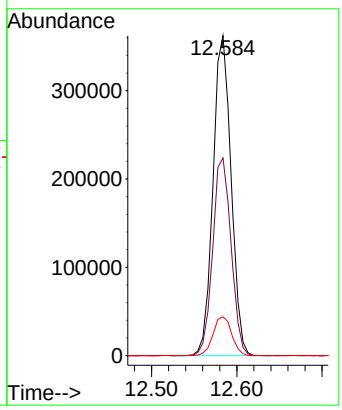


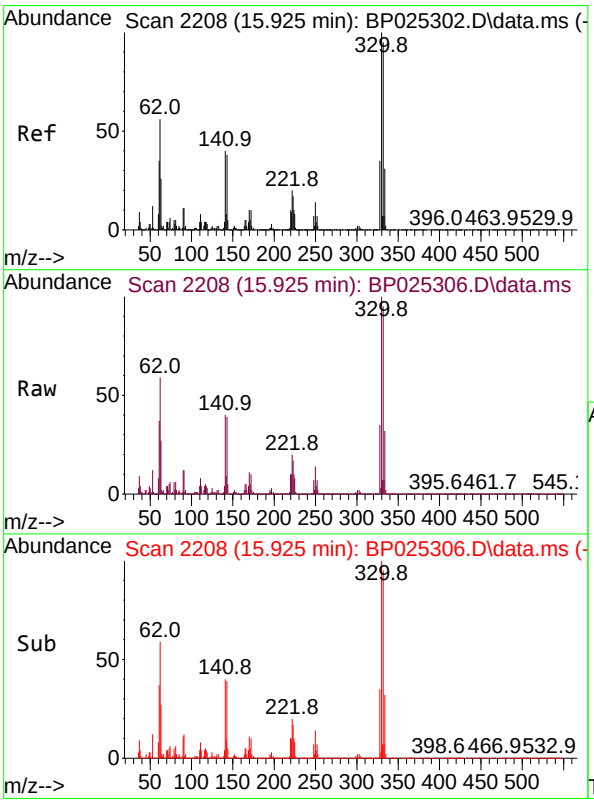
#41
Hexachlorocyclopentadiene
Concen: 39.389 ng
RT: 12.584 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:237 Resp: 532962

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.2	82.2
272	12.1	0.0	32.8

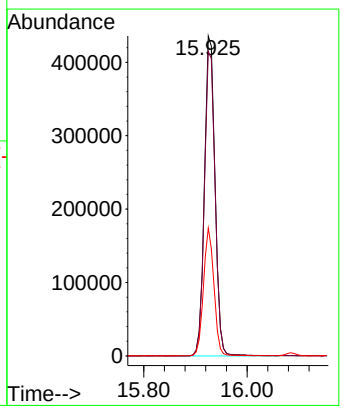


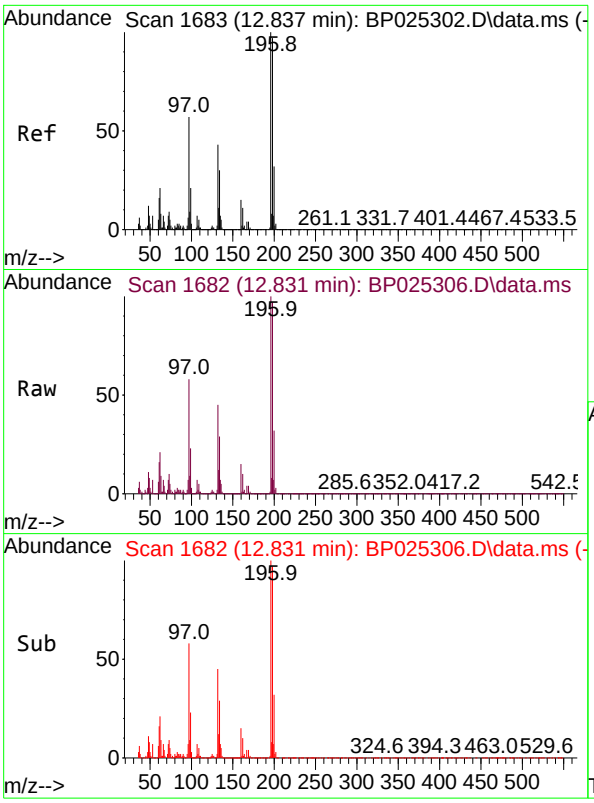


#42
2,4,6-Tribromophenol
Concen: 77.267 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:330 Resp: 618969

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	39.5	31.7	47.5



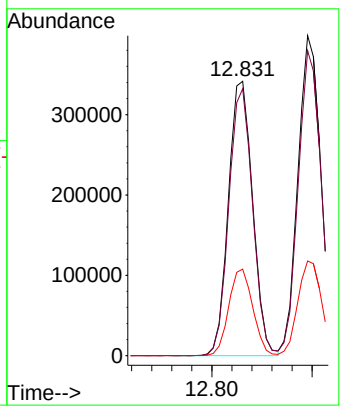


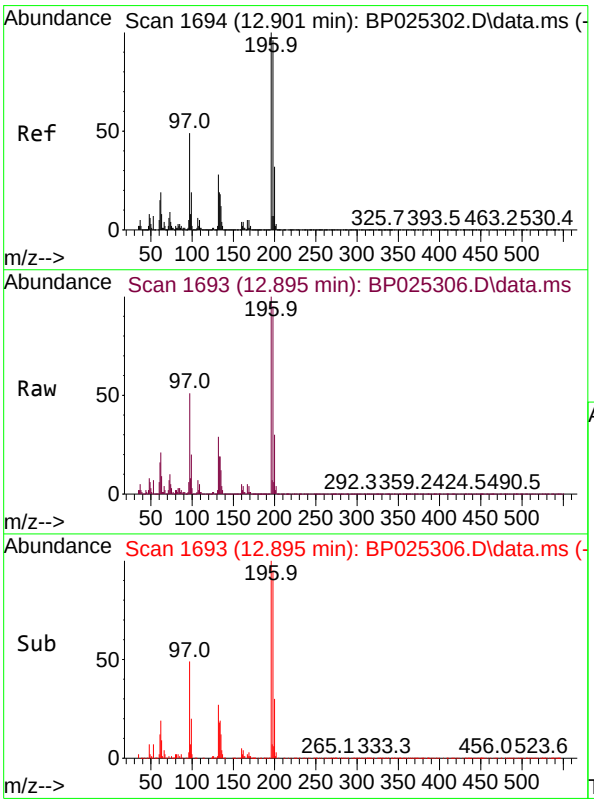
#43
2,4,6-Trichlorophenol
Concen: 40.551 ng
RT: 12.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:196 Resp: 574283

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.3	115.9
200	31.6	25.4	38.2

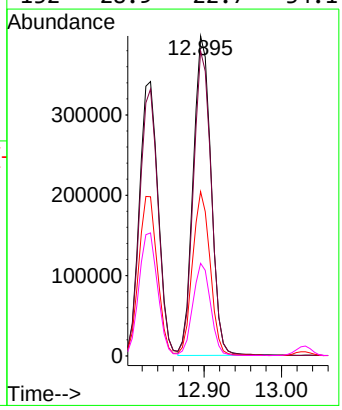


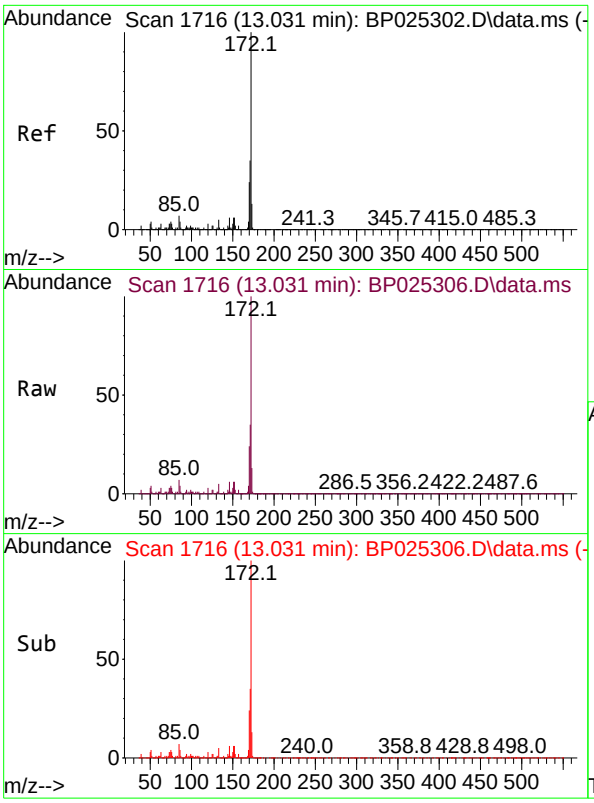


#44
2,4,5-Trichlorophenol
Concen: 40.117 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:196 Resp: 637340

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
97	51.3	39.5	59.3
132	28.9	22.7	34.1



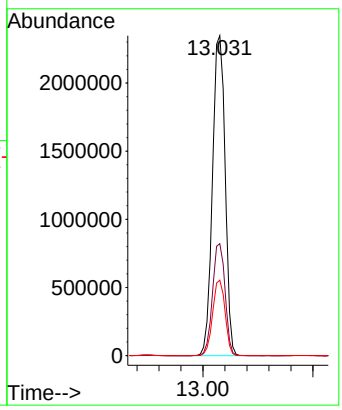


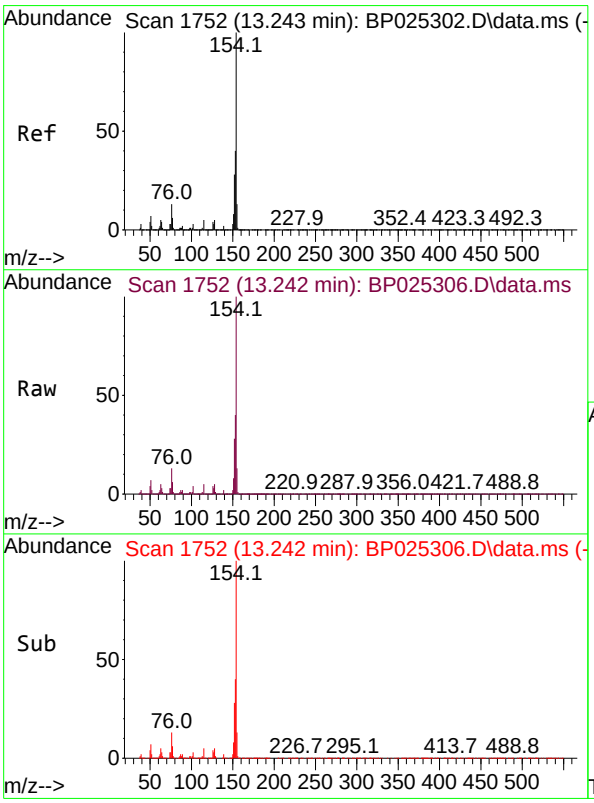
#45
2-Fluorobiphenyl
Concen: 64.394 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:172 Resp: 3743672

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.6	18.9	28.3

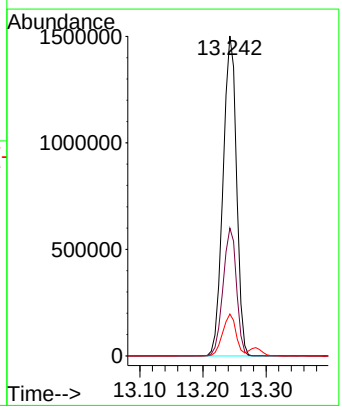


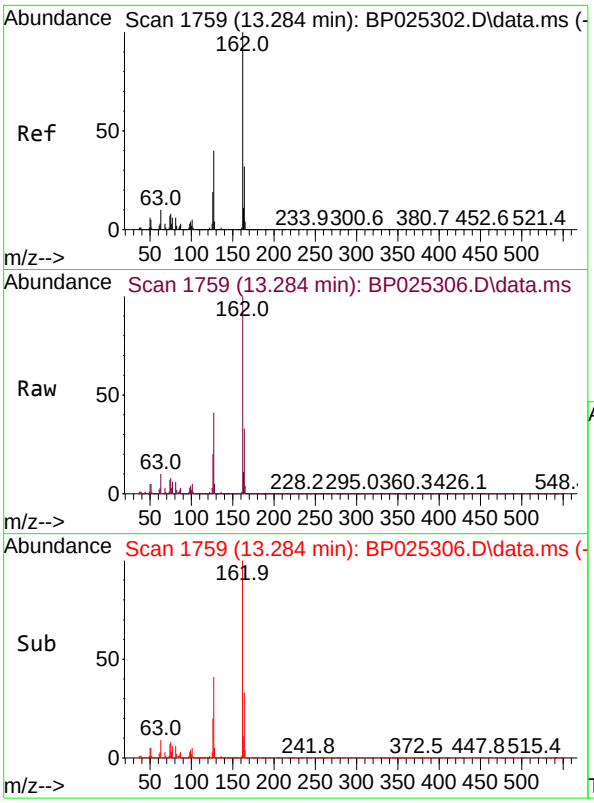


#46
1,1'-Biphenyl
Concen: 37.601 ng
RT: 13.242 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 2225078

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.9	59.9
76	13.1	0.0	33.2



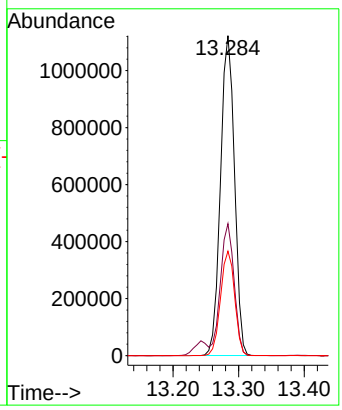


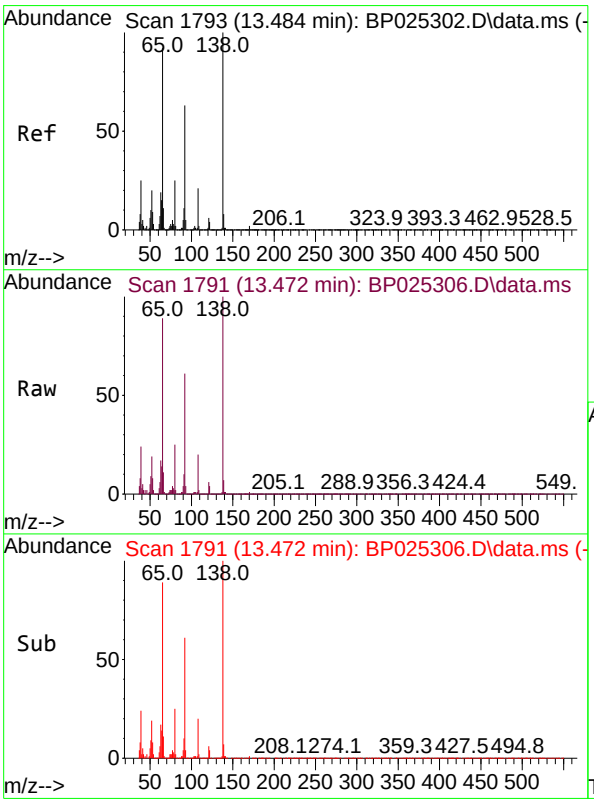
#47
2-Chloronaphthalene
Concen: 36.992 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:162 Resp: 1670076

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	32.6	25.9	38.9

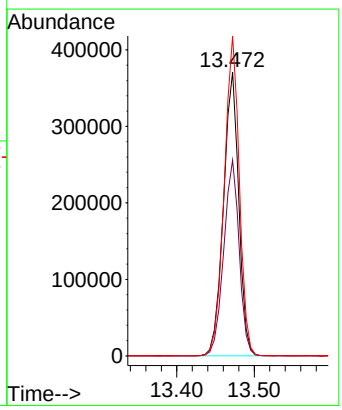


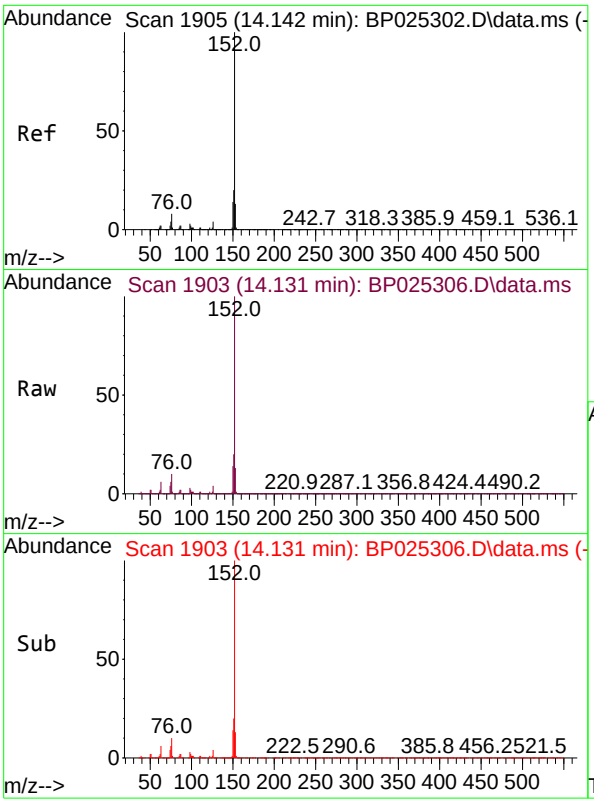


#48
2-Nitroaniline
Concen: 39.111 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion: 65 Resp: 509511

Ion	Ratio	Lower	Upper
65	100		
92	69.0	54.4	81.6
138	112.8	87.0	130.4



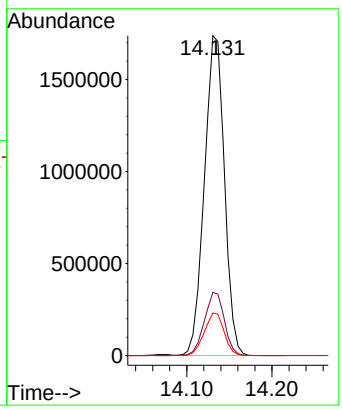


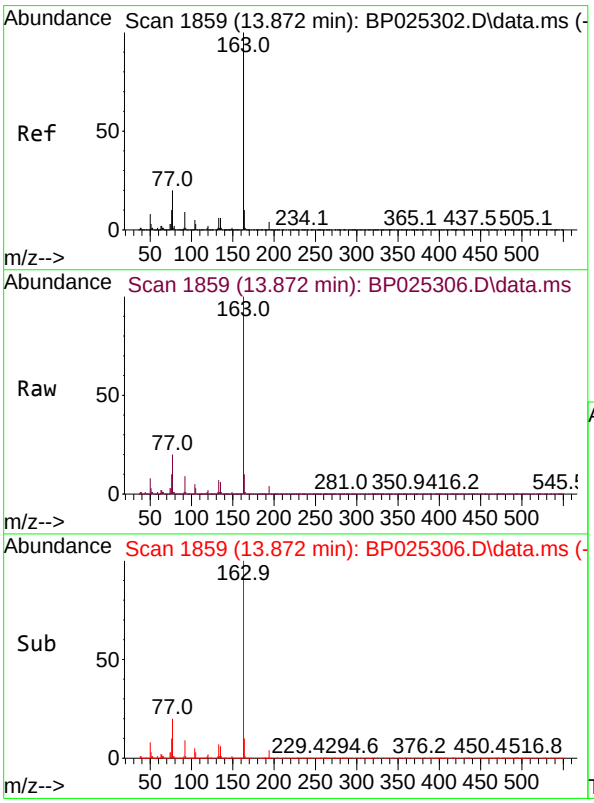
#49
Acenaphthylene
Concen: 37.711 ng
RT: 14.131 min Scan# 19
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:152 Resp: 2839893

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.4	15.6

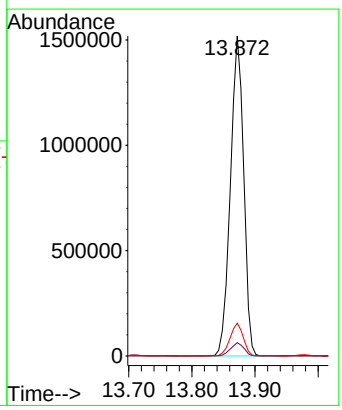


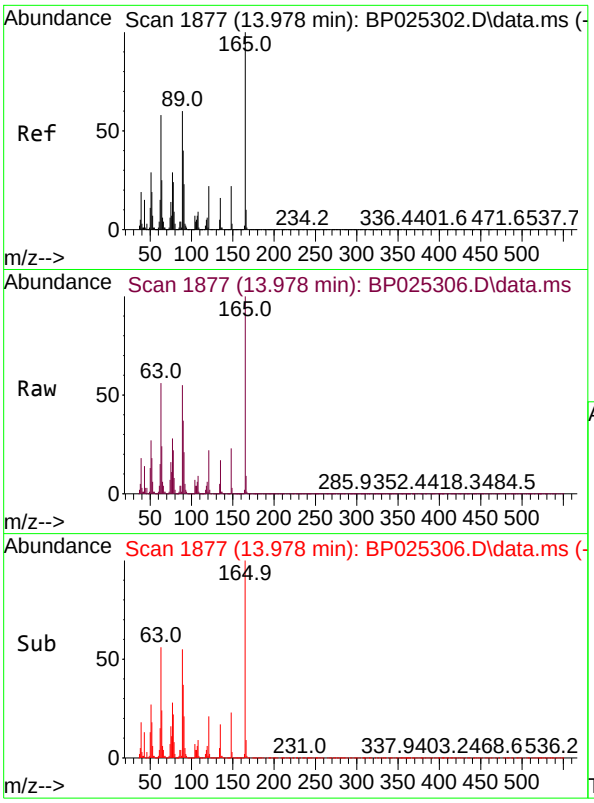


#50
Dimethylphthalate
Concen: 37.765 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:163 Resp: 2210689

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.0	12.0



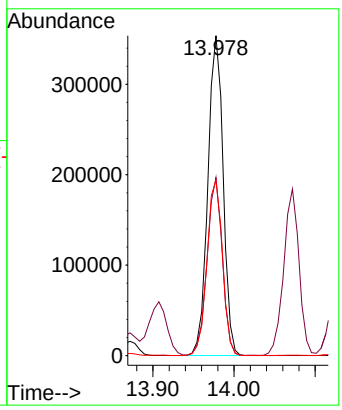


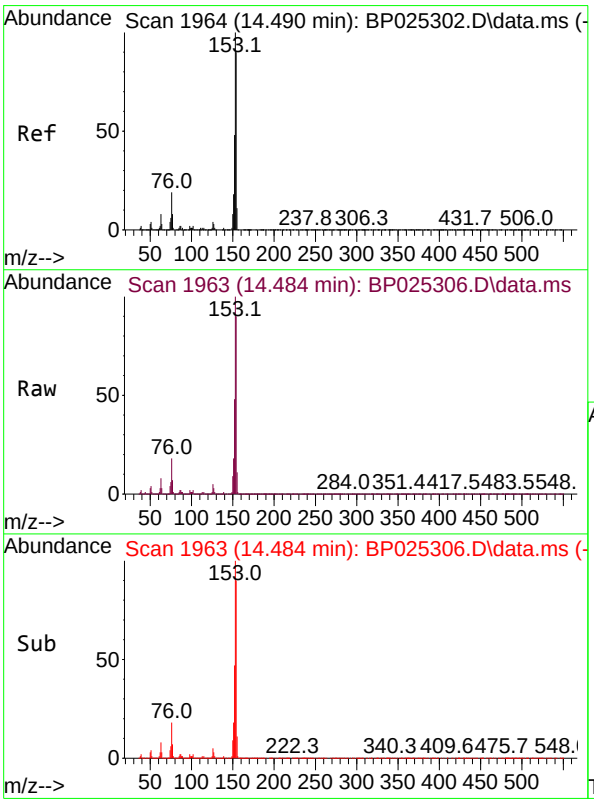
#51
2,6-Dinitrotoluene
Concen: 42.979 ng
RT: 13.978 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:165 Resp: 464068

Ion	Ratio	Lower	Upper
165	100		
63	55.6	47.6	71.4
89	54.8	47.8	71.8

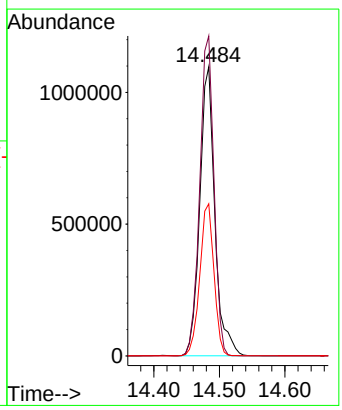


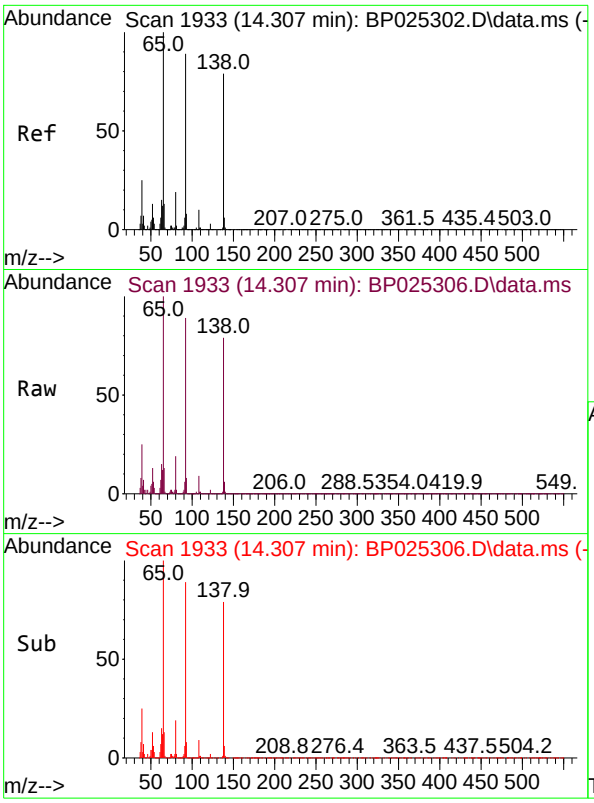


#52
Acenaphthene
Concen: 37.908 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:154 Resp: 1741305

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.4	134.0
152	52.6	43.0	64.6



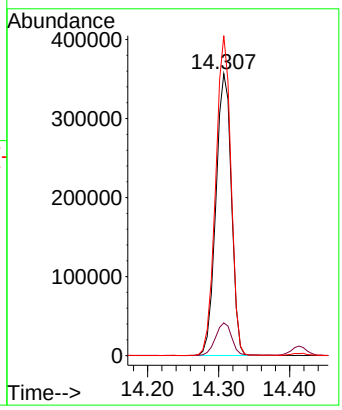


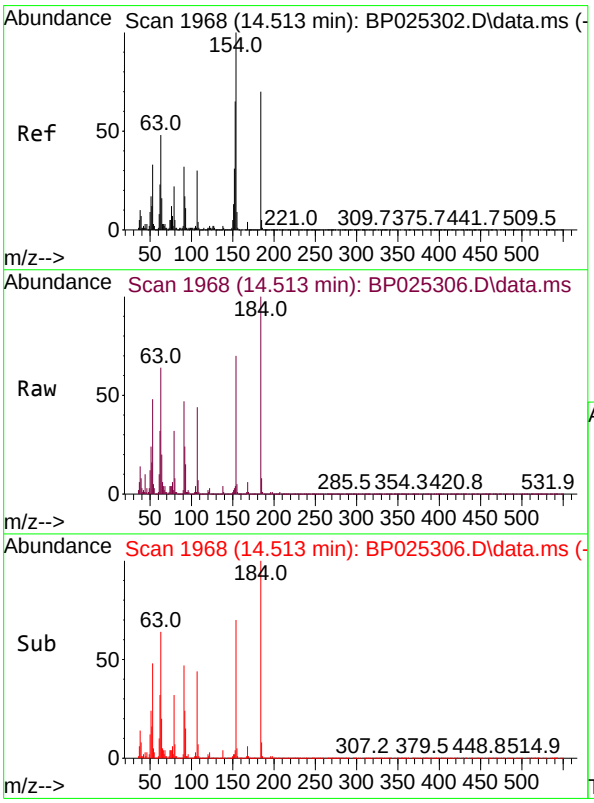
#53
3-Nitroaniline
Concen: 42.925 ng
RT: 14.307 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:138 Resp: 542330

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.5	15.7
92	113.5	90.9	136.3

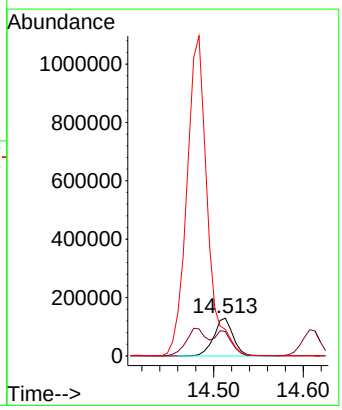


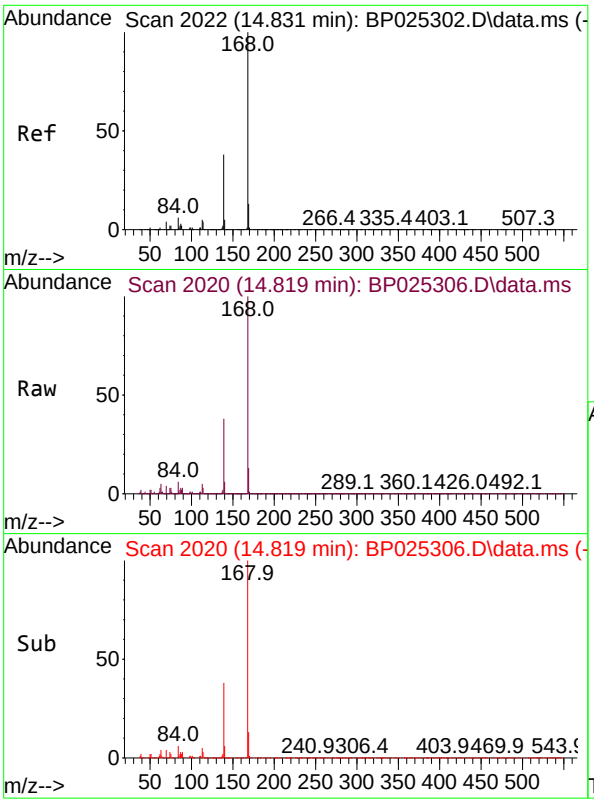


#54
2,4-Dinitrophenol
Concen: 44.579 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:184 Resp: 192889

Ion	Ratio	Lower	Upper
184	100		
63	64.3	56.3	84.5
154	70.3	124.5	186.7#



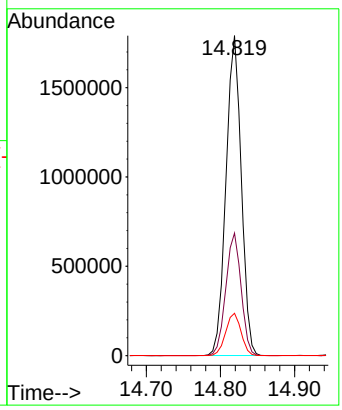


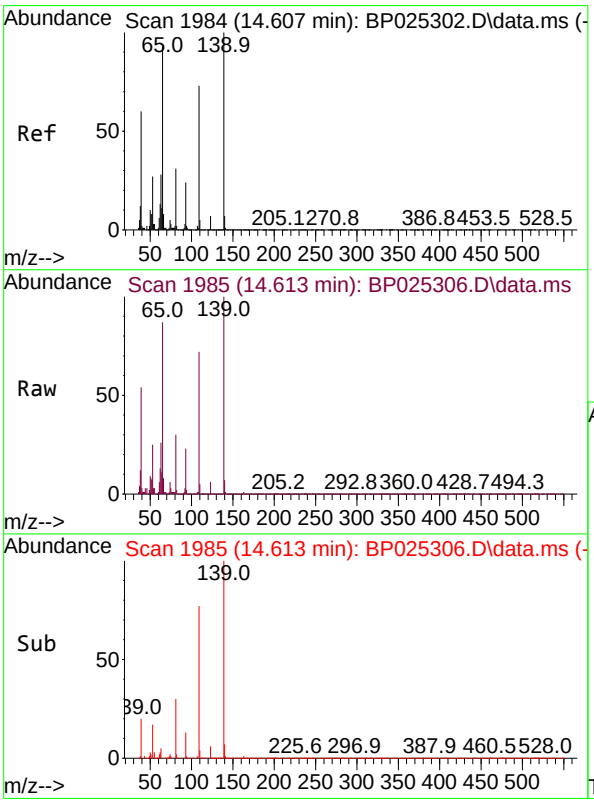
#55
Dibenzofuran
Concen: 37.357 ng
RT: 14.819 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:168 Resp: 2564382

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.5	45.7
169	13.2	10.6	15.8

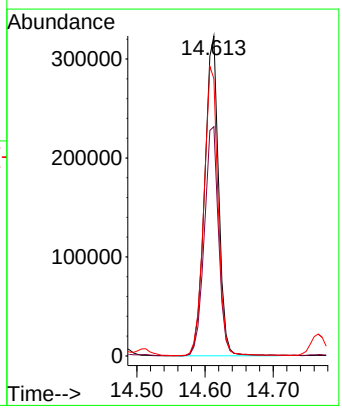


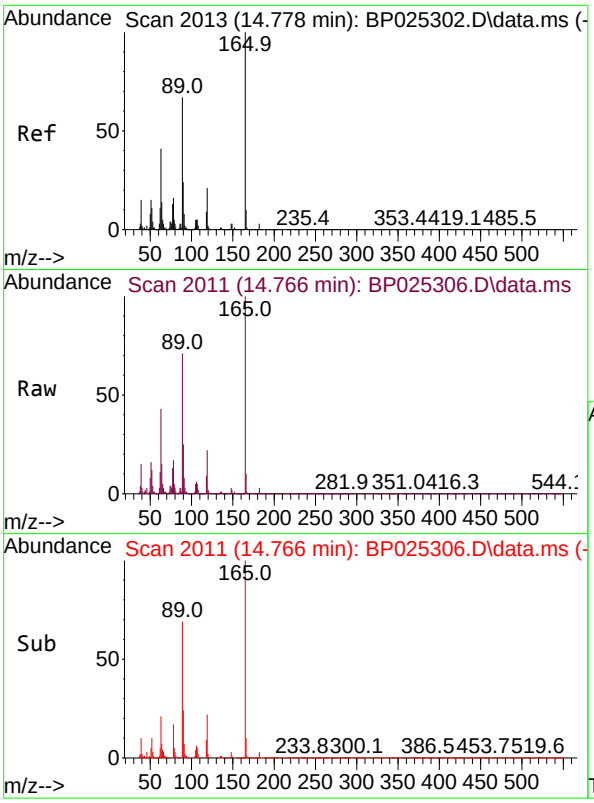


#56
4-Nitrophenol
Concen: 41.198 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:139 Resp: 459387

Ion	Ratio	Lower	Upper
139	100		
109	71.6	52.7	92.7
65	86.6	73.4	113.4



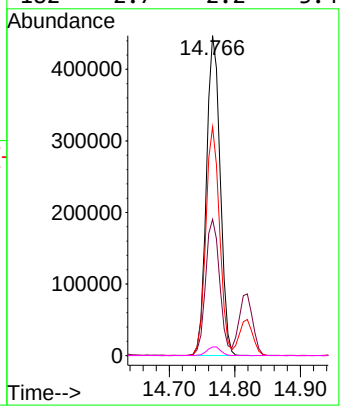


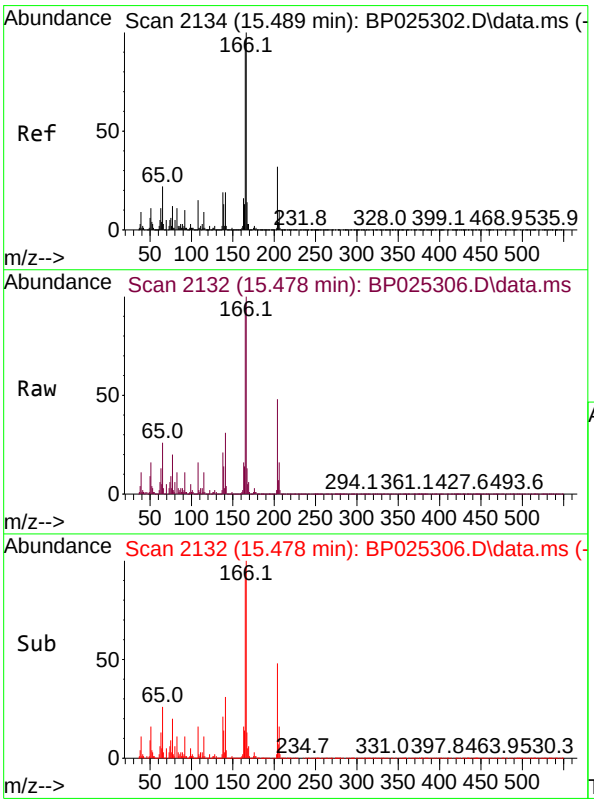
#57
2,4-Dinitrotoluene
Concen: 39.363 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:165 Resp: 648337

Ion	Ratio	Lower	Upper
165	100		
63	42.6	33.2	49.8
89	71.5	53.5	80.3
182	2.7	2.2	3.4

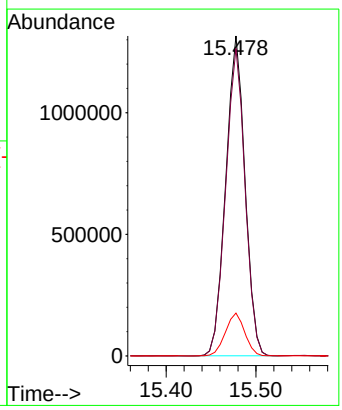


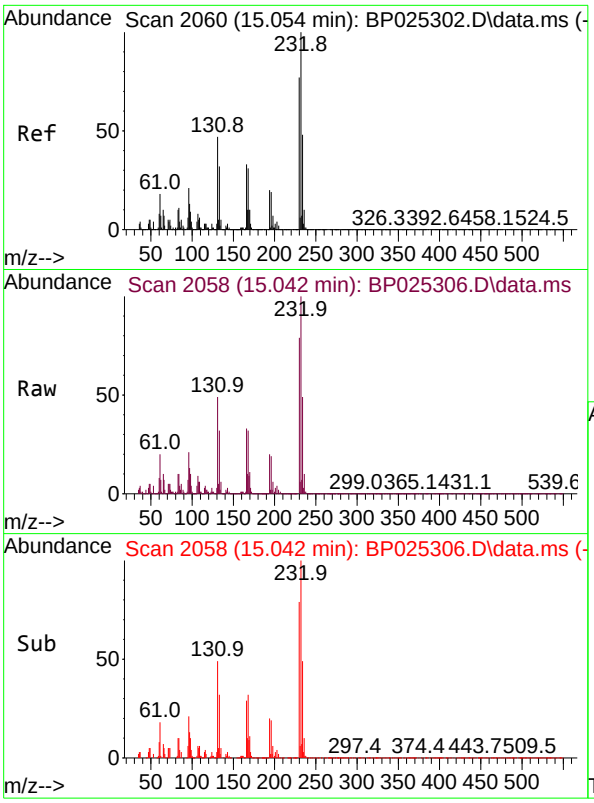


#58
Fluorene
Concen: 36.584 ng
RT: 15.478 min Scan# 2132
Delta R.T. -0.011 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:166 Resp: 1972403

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.7	115.1
167	13.4	10.9	16.3



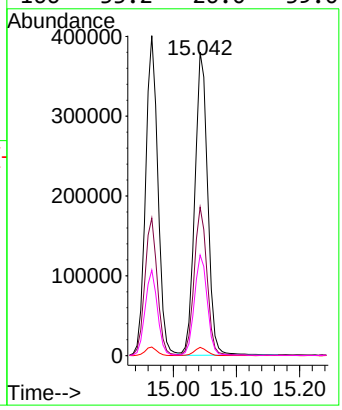


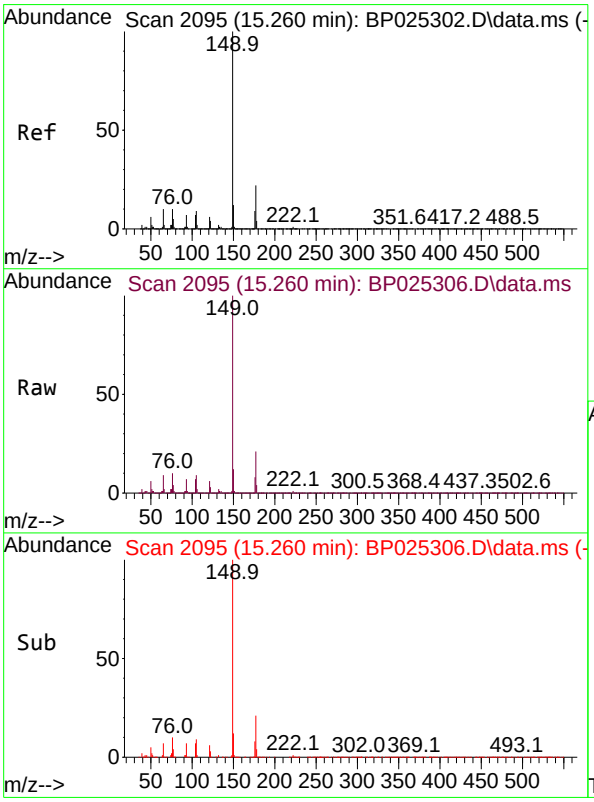
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.516 ng
RT: 15.042 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:232 Resp: 537674

Ion	Ratio	Lower	Upper
232	100		
131	48.5	39.3	58.9
130	2.6	2.2	3.2
166	33.2	26.0	39.0

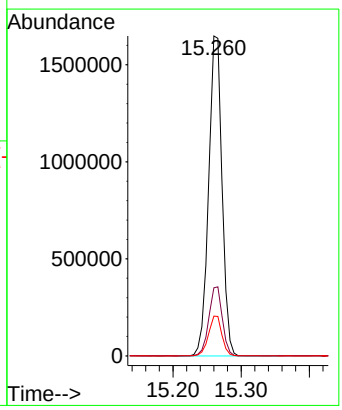


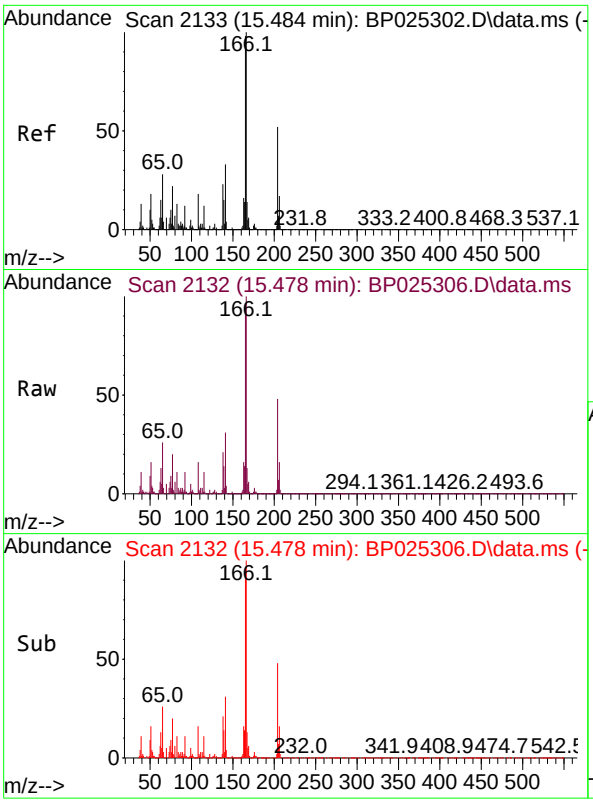


#60
Diethylphthalate
Concen: 38.127 ng
RT: 15.260 min Scan# 2095
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2250136

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.4	9.8	14.8



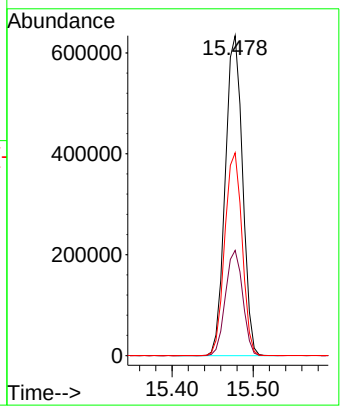


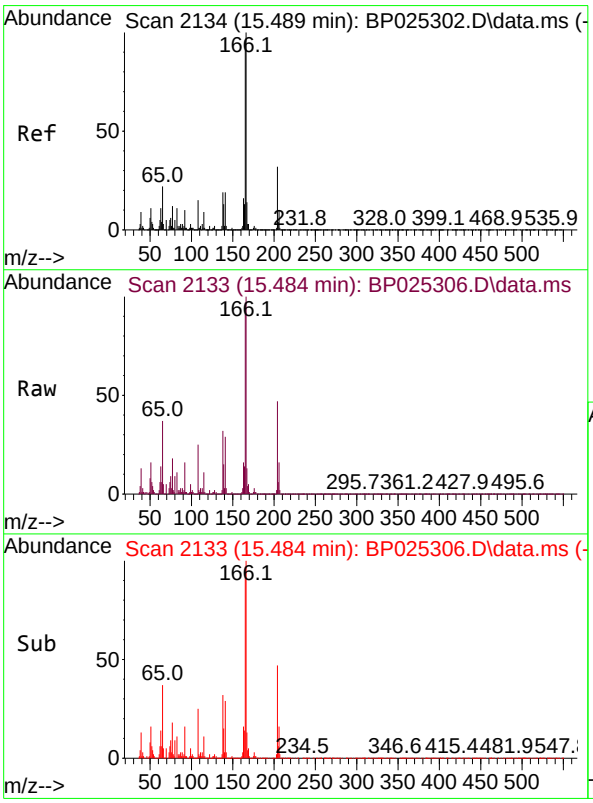
#61
4-Chlorophenyl-phenylether
Concen: 36.635 ng
RT: 15.478 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:204 Resp: 936379

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.0	40.4
141	63.4	50.3	75.5

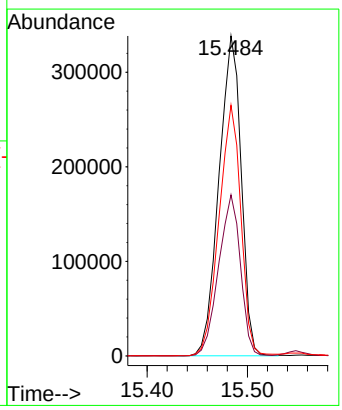


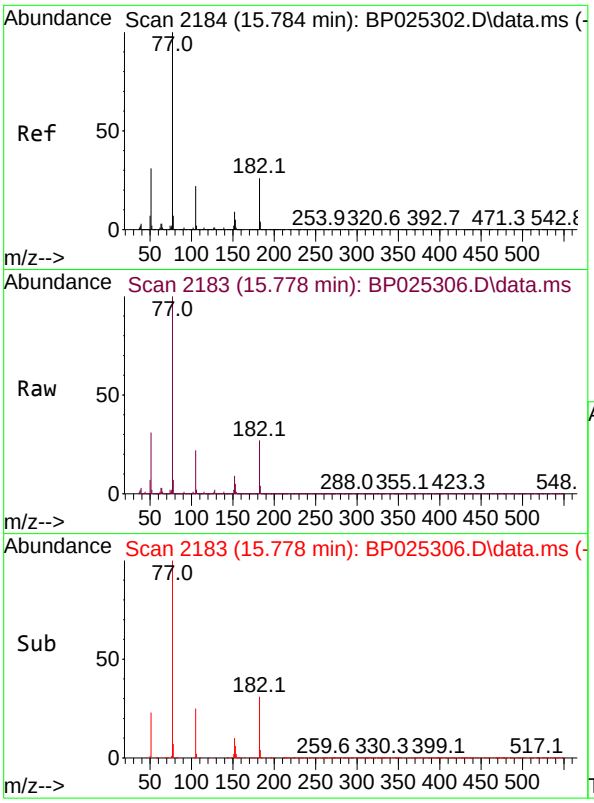


#62
4-Nitroaniline
Concen: 41.652 ng
RT: 15.484 min Scan# 2133
Delta R.T. -0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:138 Resp: 521442

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.8	69.8
108	78.3	56.6	96.6



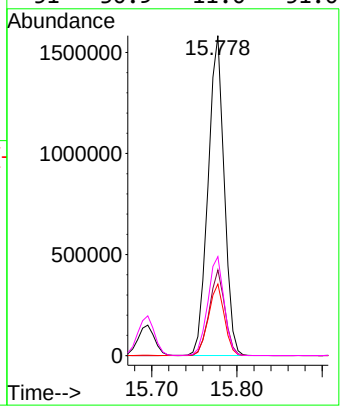


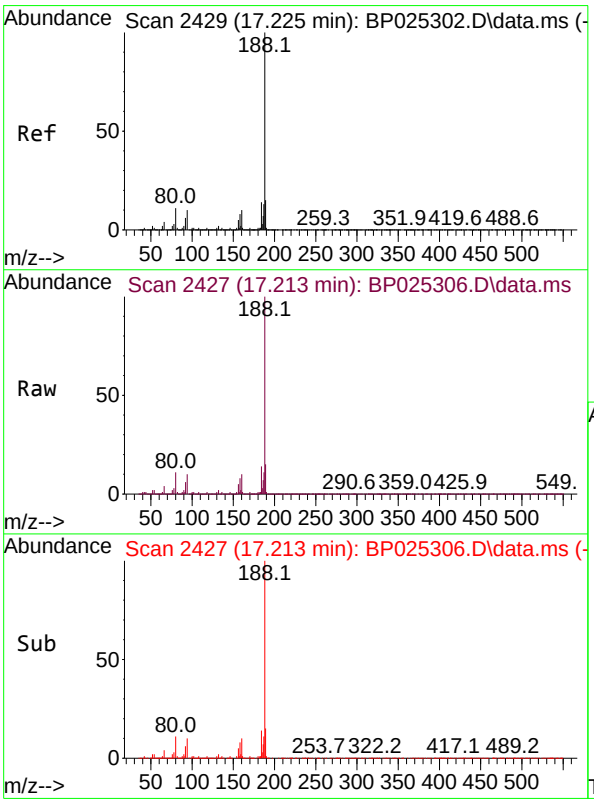
#63
Azobenzene
Concen: 37.866 ng
RT: 15.778 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion: 77 Resp: 2076036

Ion	Ratio	Lower	Upper
77	100		
182	26.8	6.0	46.0
105	22.4	2.1	42.1
51	30.9	11.0	51.0

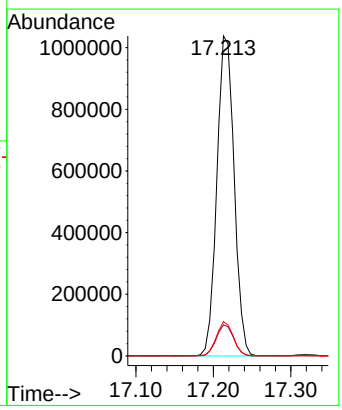


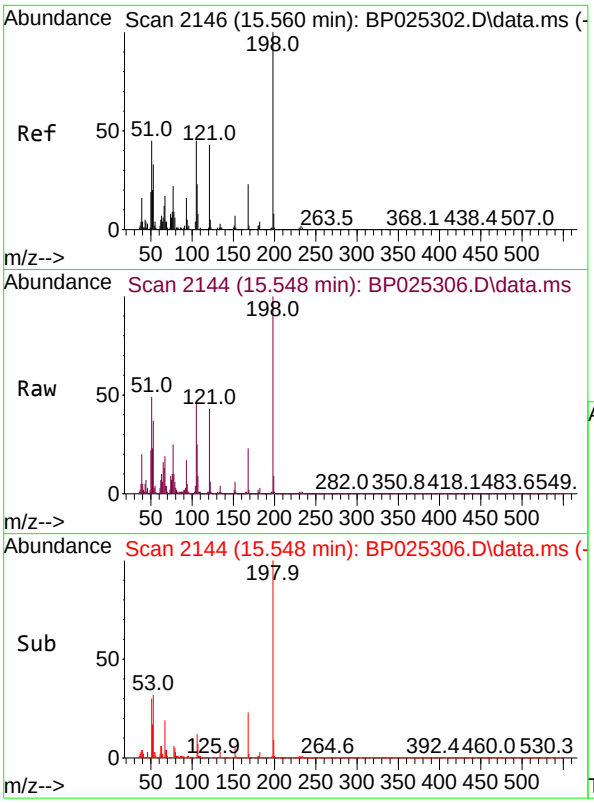


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:188 Resp: 1605717

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.7	8.5	12.7



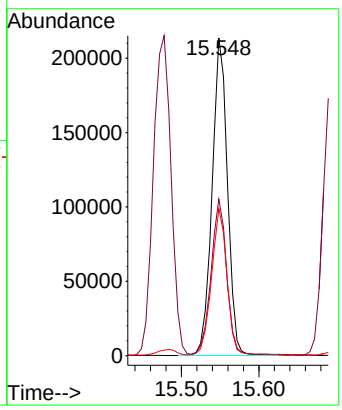


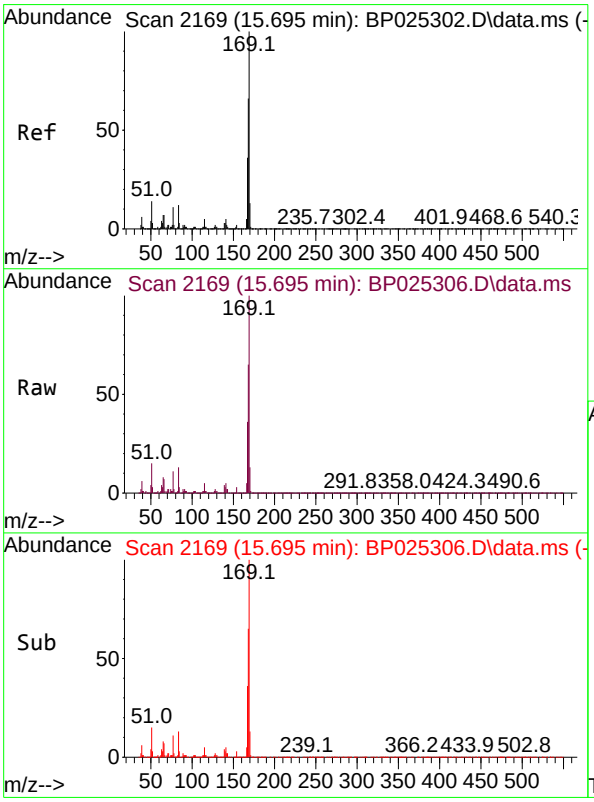
#65
4,6-Dinitro-2-methylphenol
Concen: 43.059 ng
RT: 15.548 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:198 Resp: 293694

Ion	Ratio	Lower	Upper
198	100		
51	49.3	26.7	66.7
105	46.2	25.6	65.6

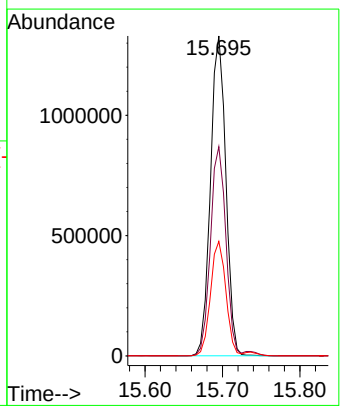


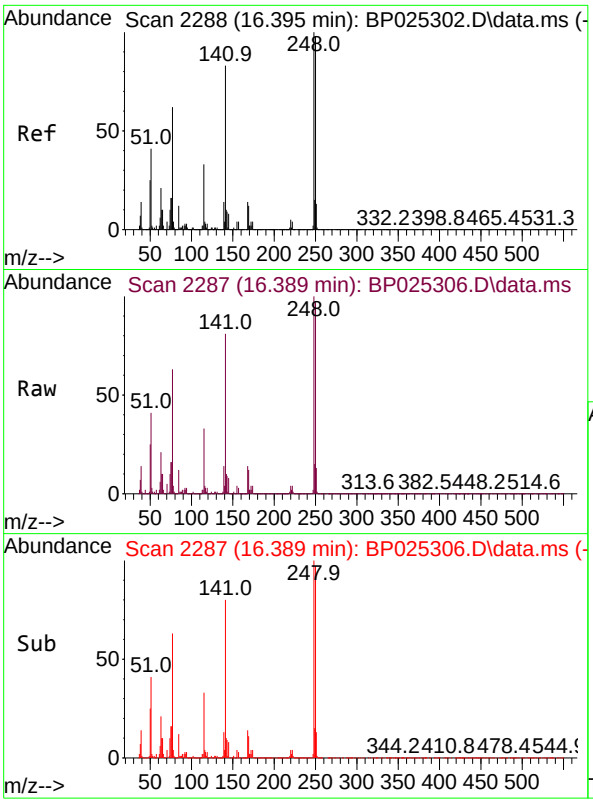


#66
n-Nitrosodiphenylamine
Concen: 37.466 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:169 Resp: 1831755

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.8	79.2
167	35.8	28.5	42.7



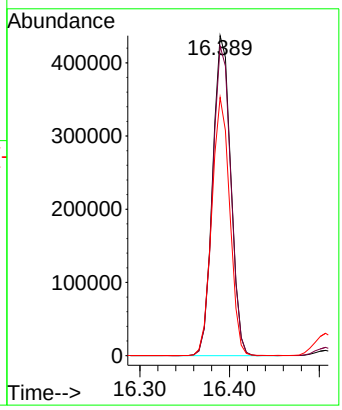


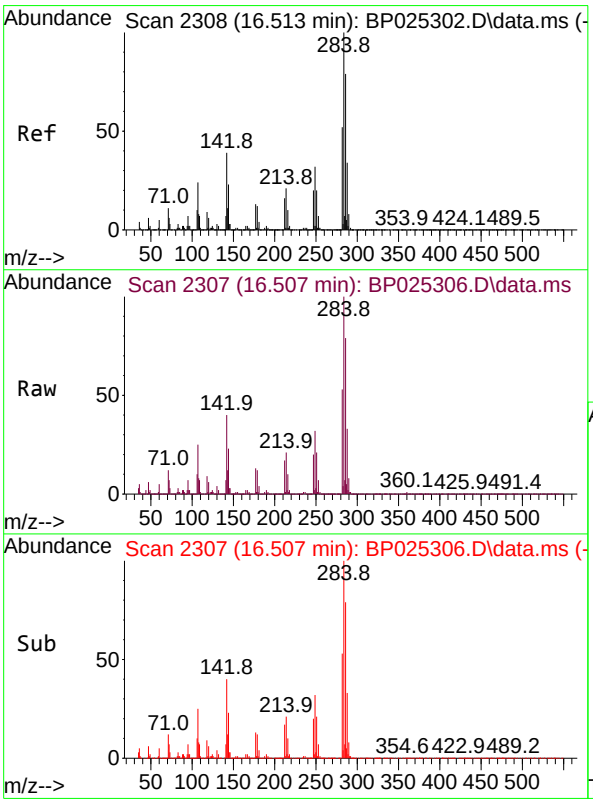
#67
4-Bromophenyl-phenylether
Concen: 37.882 ng
RT: 16.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:248 Resp: 612029

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	80.7	66.6	99.8

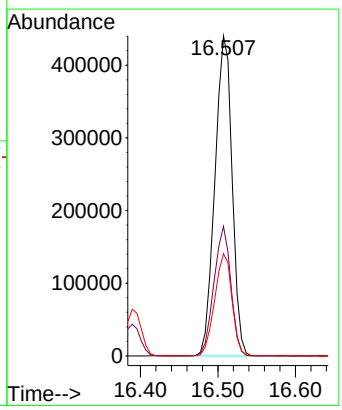


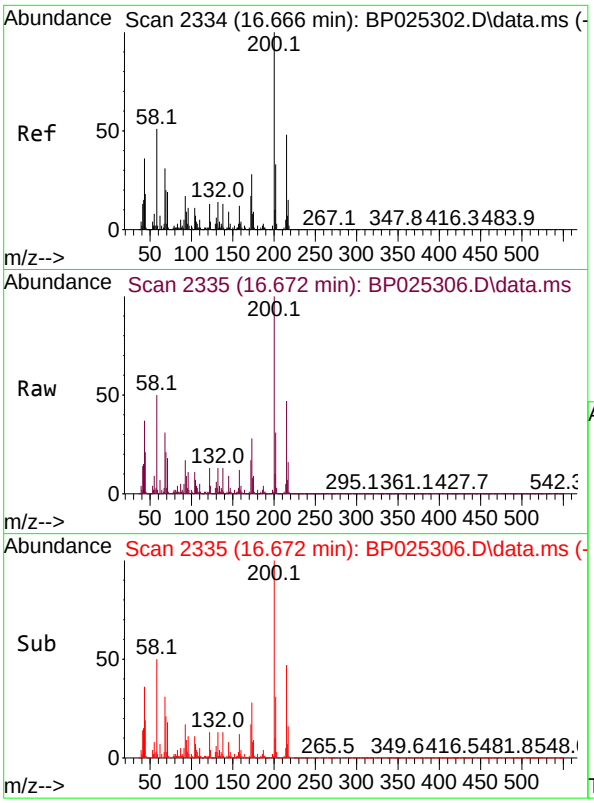


#68
Hexachlorobenzene
Concen: 37.437 ng
RT: 16.507 min Scan# 2307
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:284 Resp: 678667

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.8	46.2
249	31.9	25.4	38.0



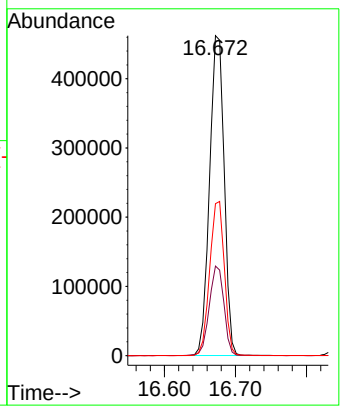


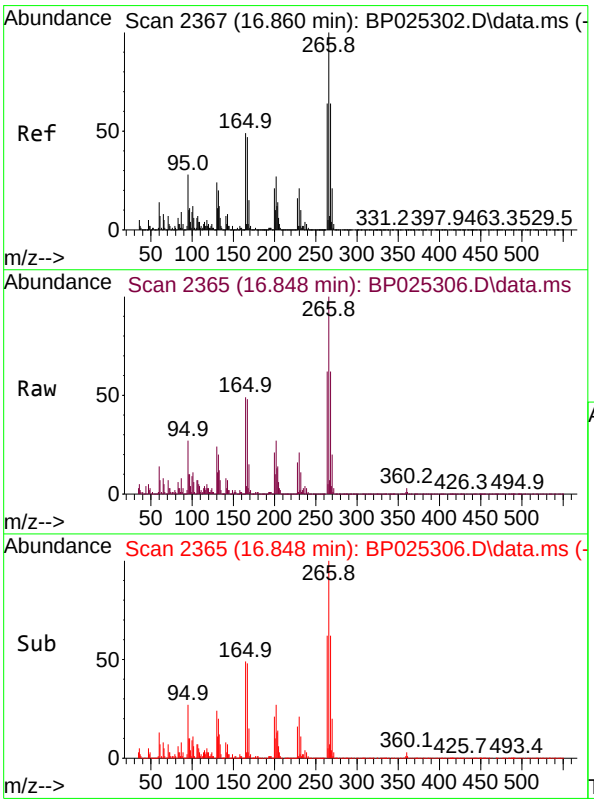
#69
Atrazine
Concen: 38.434 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:200 Resp: 660816

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.2	48.2
215	47.5	28.1	68.1

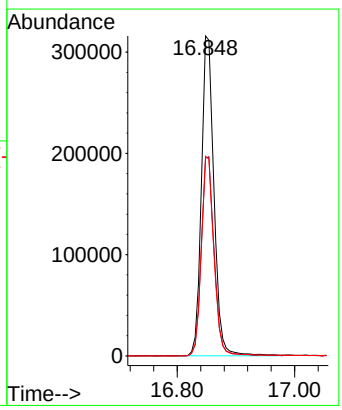


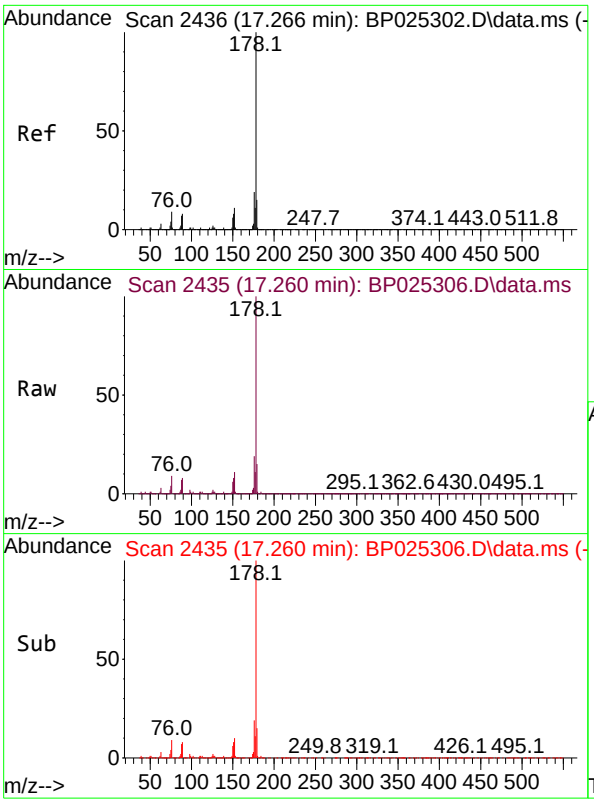


#70
Pentachlorophenol
Concen: 40.655 ng
RT: 16.848 min Scan# 2365
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:266 Resp: 469548

Ion	Ratio	Lower	Upper
266	100		
268	61.8	51.4	77.0
264	62.4	51.1	76.7



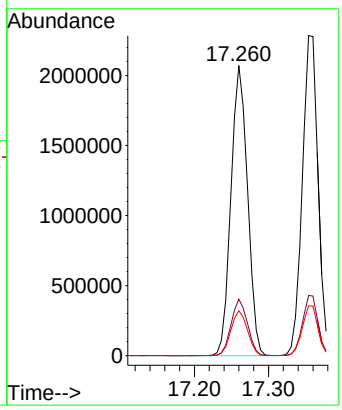


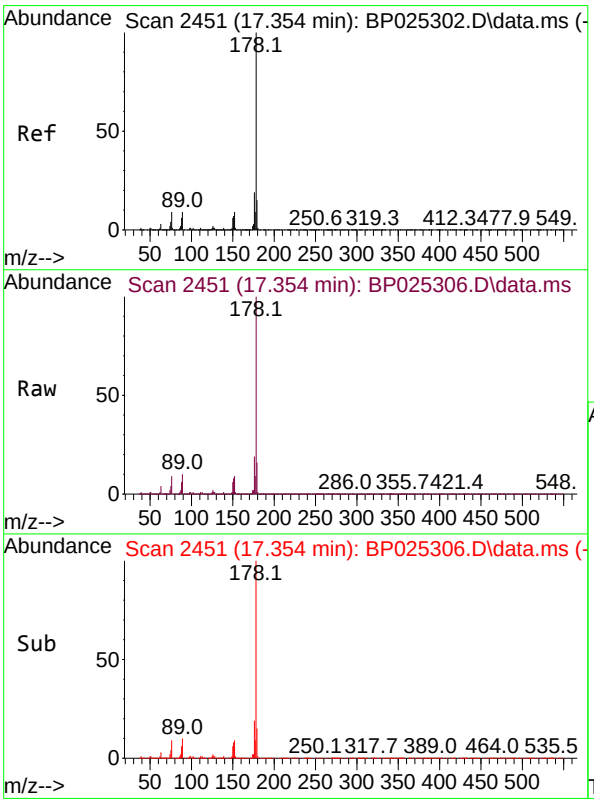
#71
Phenanthrene
Concen: 36.596 ng
RT: 17.260 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:178 Resp: 3218487

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.5	12.1	18.1

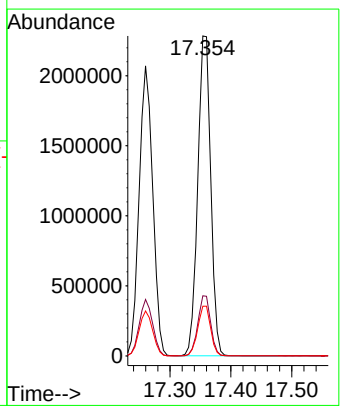


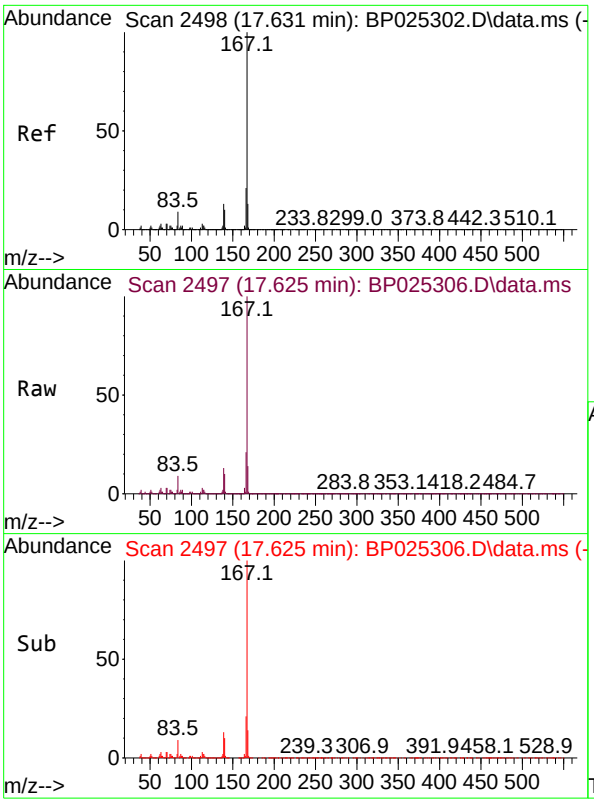


#72
Anthracene
Concen: 38.053 ng
RT: 17.354 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:178 Resp: 3374425

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.3	18.5



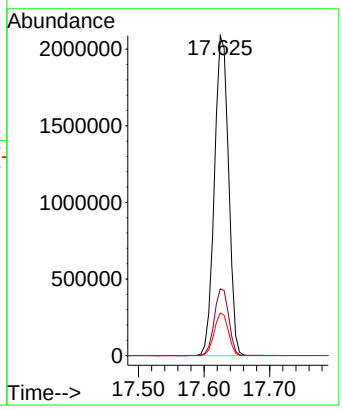


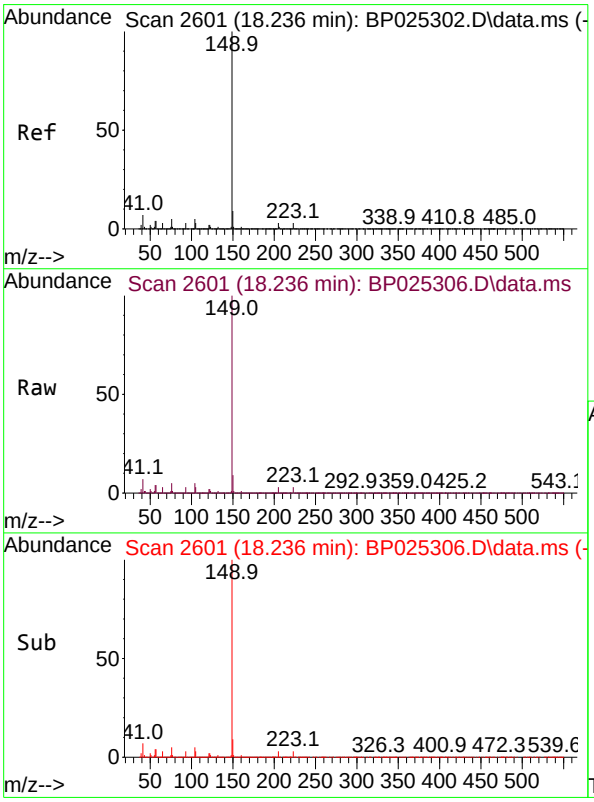
#73
Carbazole
Concen: 36.915 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:167 Resp: 3142276

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	13.3	10.6	16.0

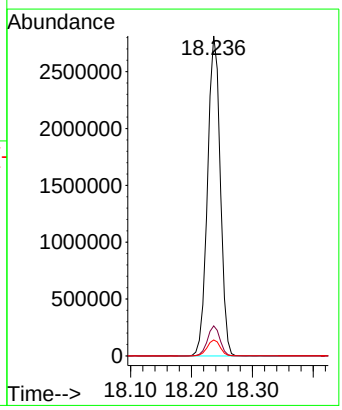


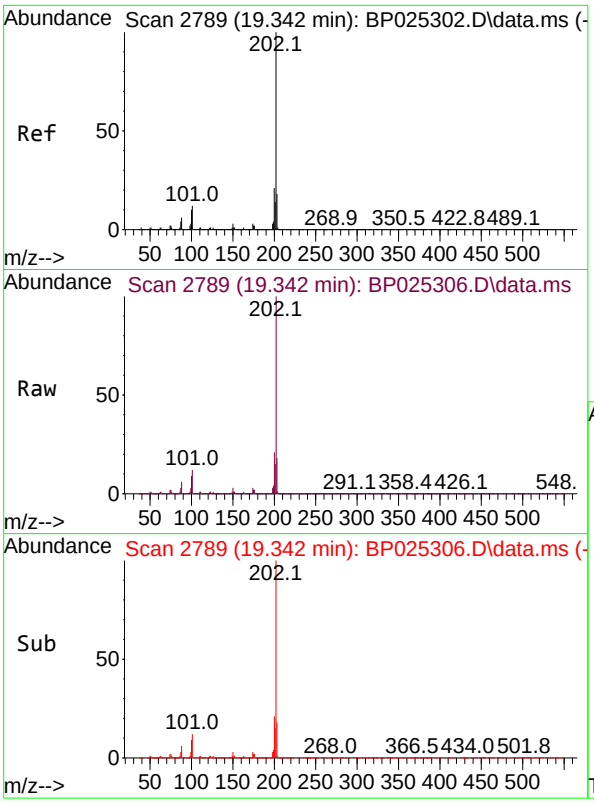


#74
Di-n-butylphthalate
Concen: 39.636 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 4081711

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.0	4.1	6.1



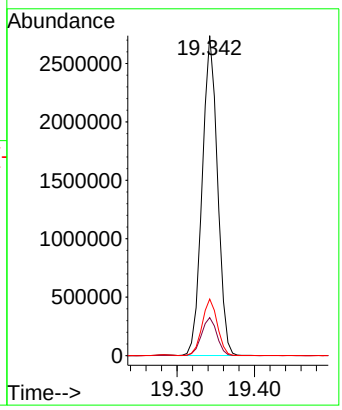


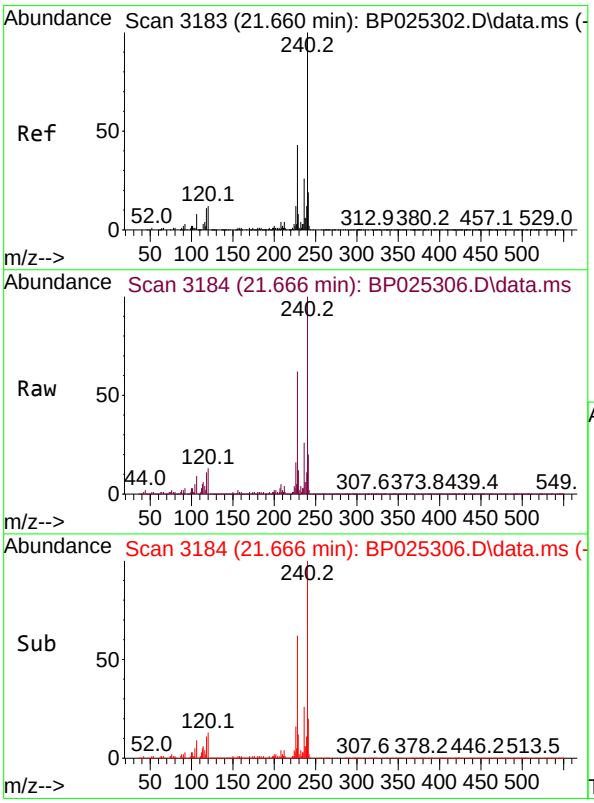
#75
Fluoranthene
Concen: 36.904 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:202 Resp: 3757235

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.5
203	17.7	0.0	37.6

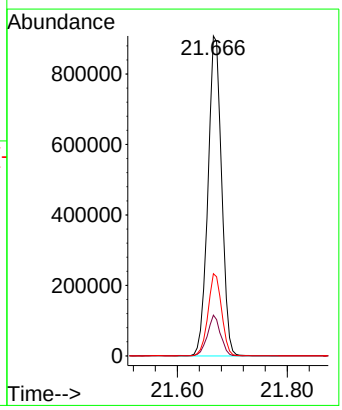


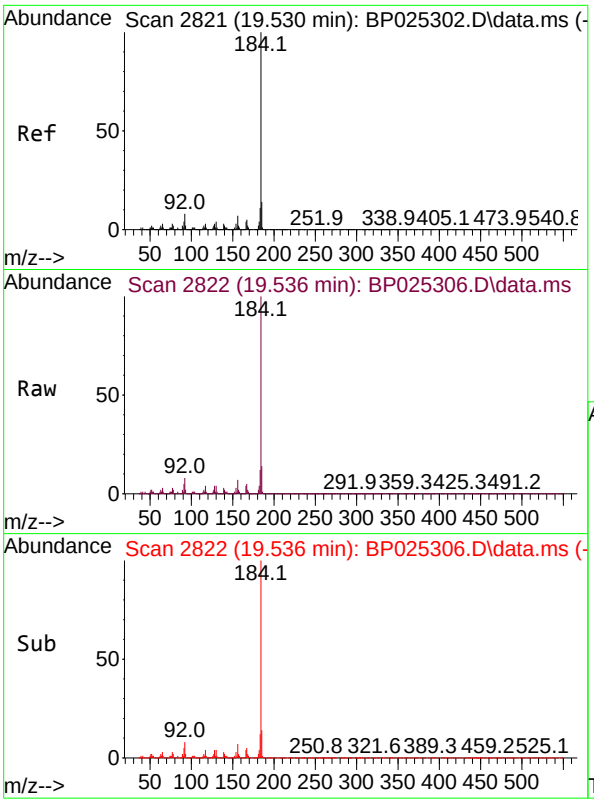


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:240 Resp: 1565231

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.6	14.4
236	25.7	20.4	30.6



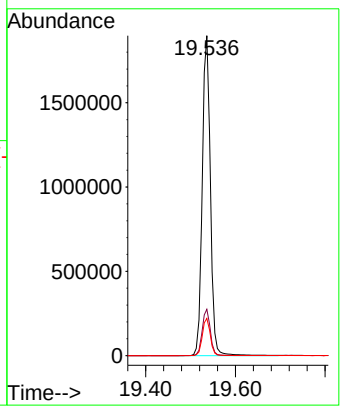


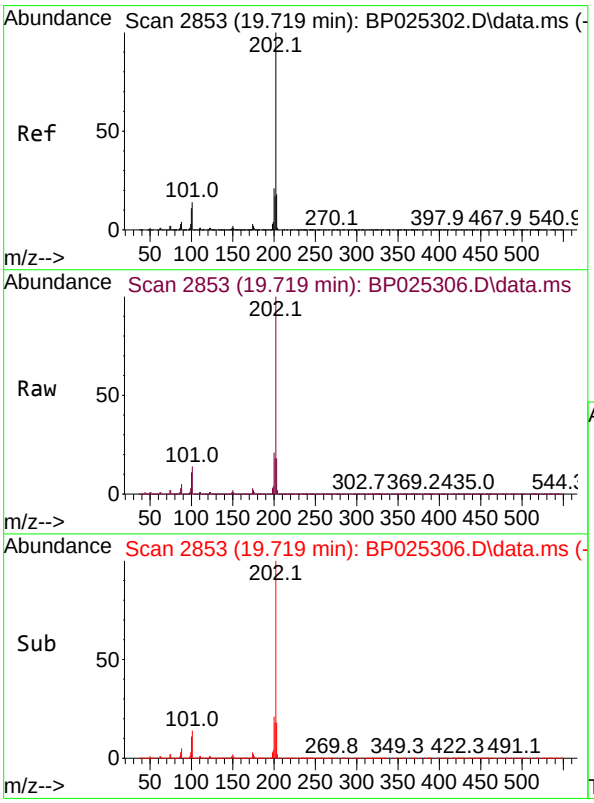
#77
Benzidine
Concen: 42.024 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:184 Resp: 2380752

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.0	16.6
183	11.6	9.2	13.8

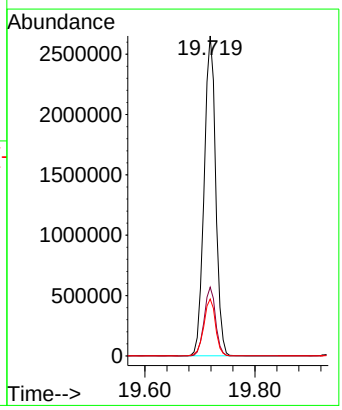


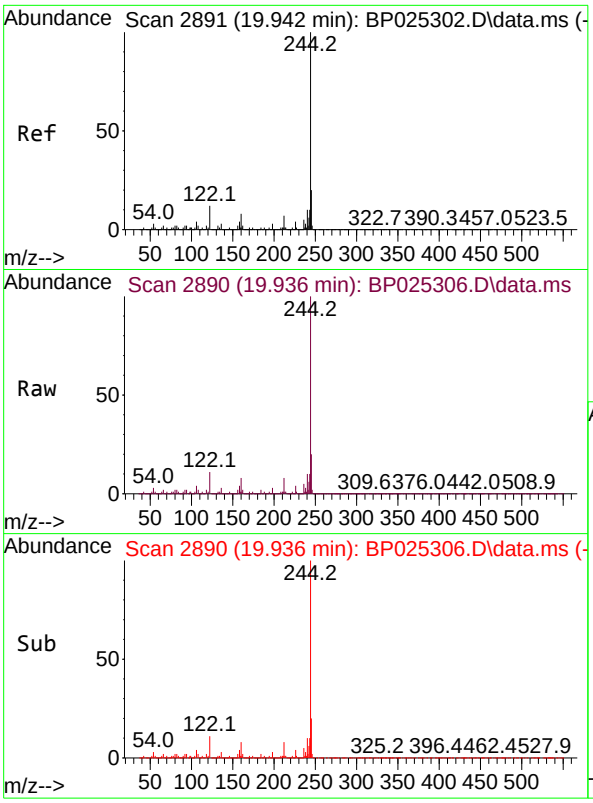


#78
Pyrene
Concen: 37.027 ng
RT: 19.719 min Scan# 2853
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:202 Resp: 3853987

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.1	21.1



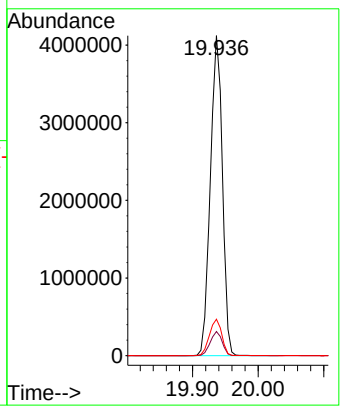


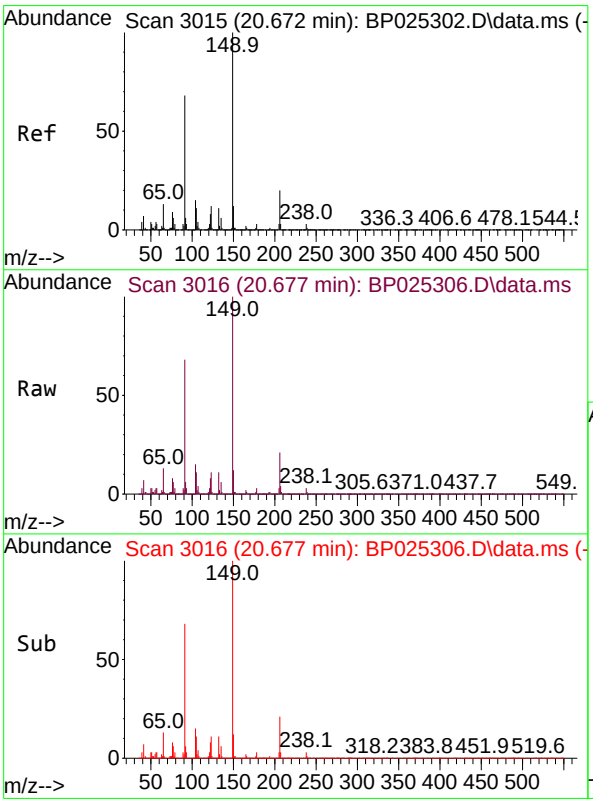
#79
Terphenyl-d14
Concen: 63.367 ng
RT: 19.936 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:244 Resp: 5251220

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	11.4	9.5	14.3

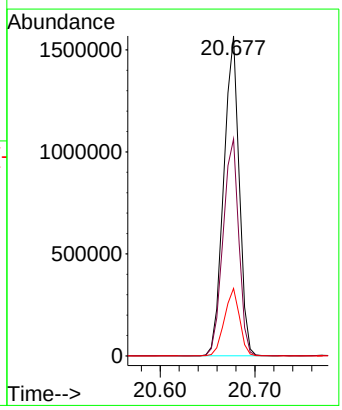


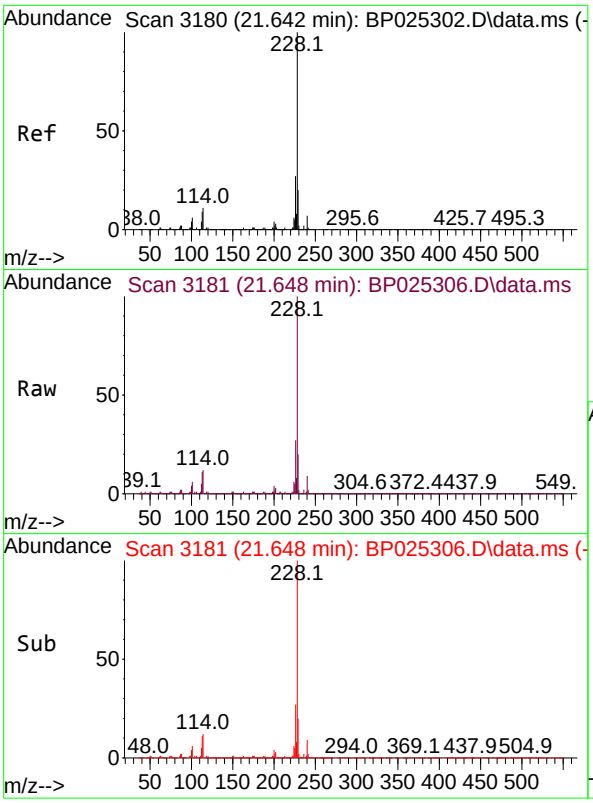


#80
Butylbenzylphthalate
Concen: 42.064 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 1775636

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.7	82.1
206	21.1	16.4	24.6



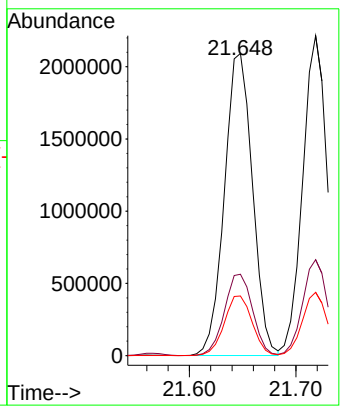


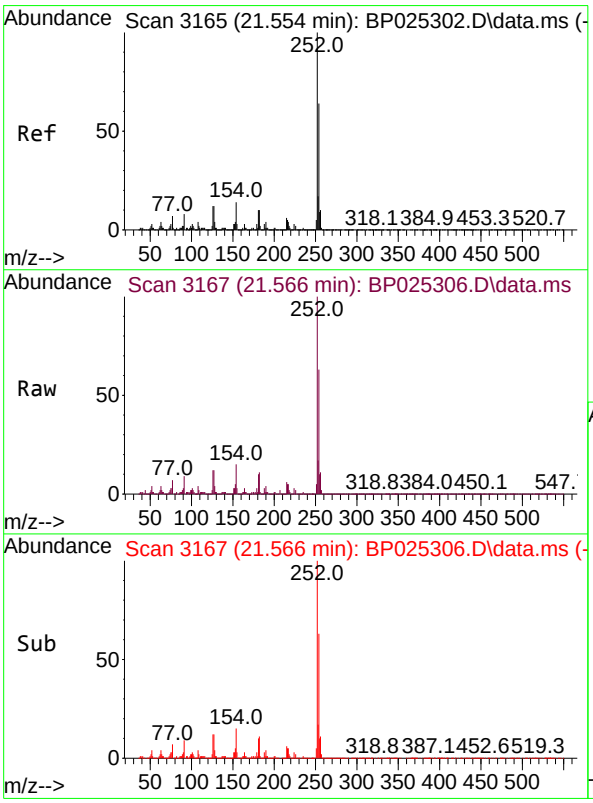
#81
Benzo(a)anthracene
Concen: 36.791 ng
RT: 21.648 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:228 Resp: 3826778

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.8	16.0	24.0

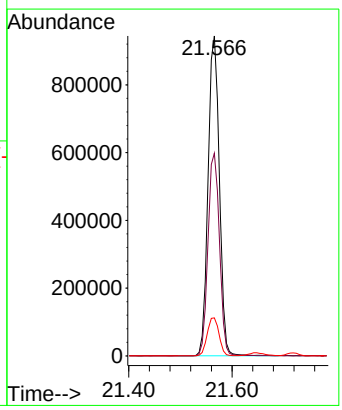


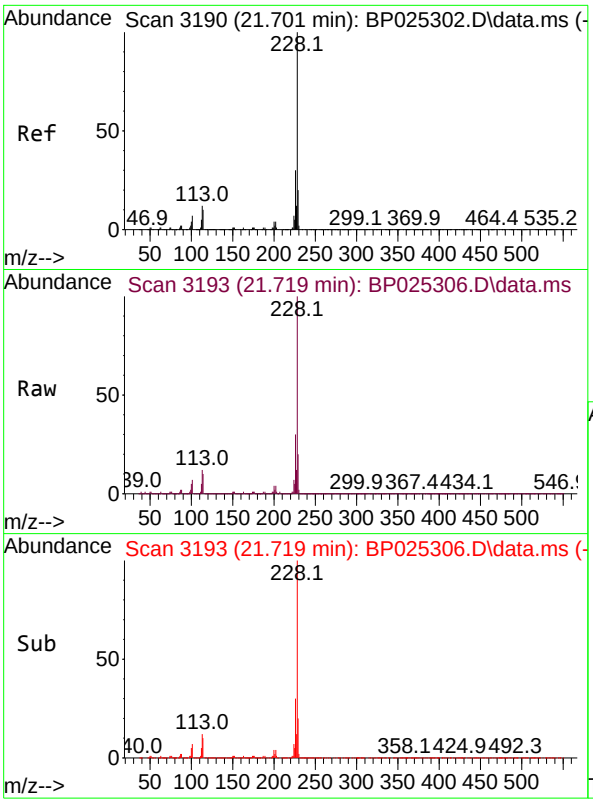


#82
3,3'-Dichlorobenzidine
Concen: 38.998 ng
RT: 21.566 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 1431183

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.0	76.6
126	11.9	9.4	14.2



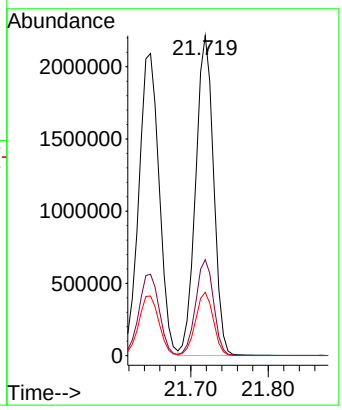


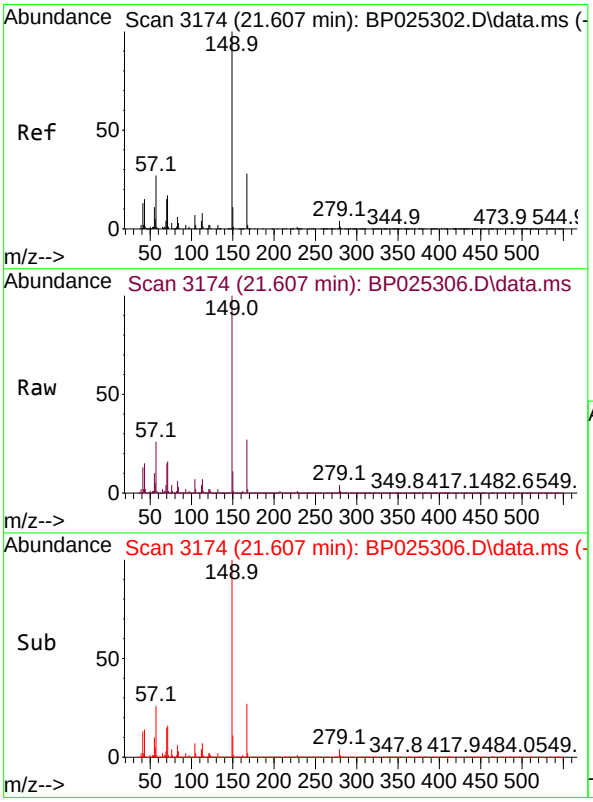
#83
Chrysene
Concen: 36.707 ng
RT: 21.719 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:228 Resp: 3541271

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.8	15.9	23.9

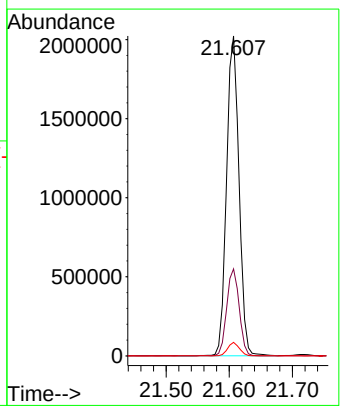


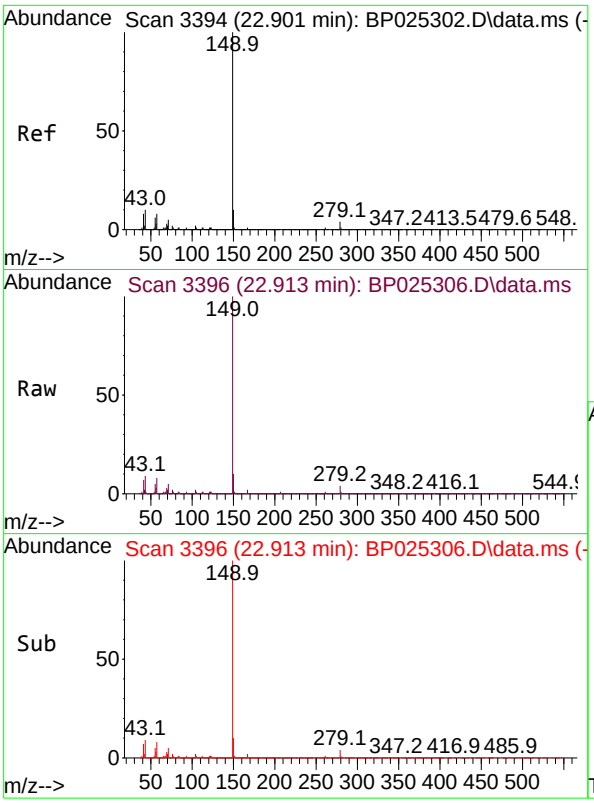


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.026 ng
RT: 21.607 min Scan# 3174
Delta R.T. -0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:149 Resp: 2765334

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.2	3.4	5.2



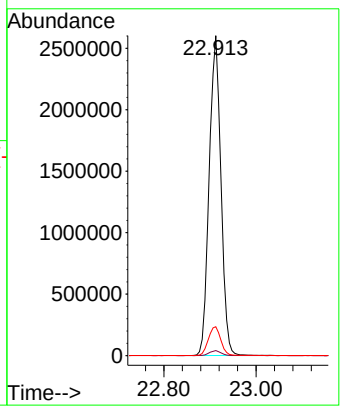


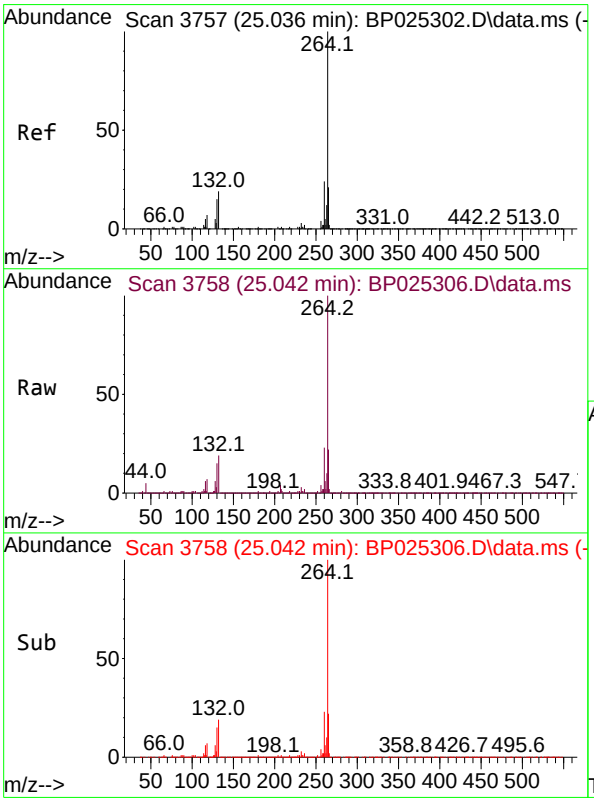
#85
Di-n-octyl phthalate
Concen: 40.723 ng
RT: 22.913 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:149 Resp: 4594460

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.6	7.9	11.9

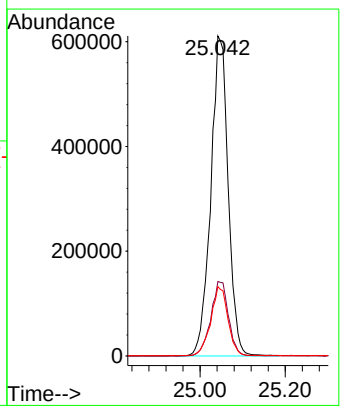


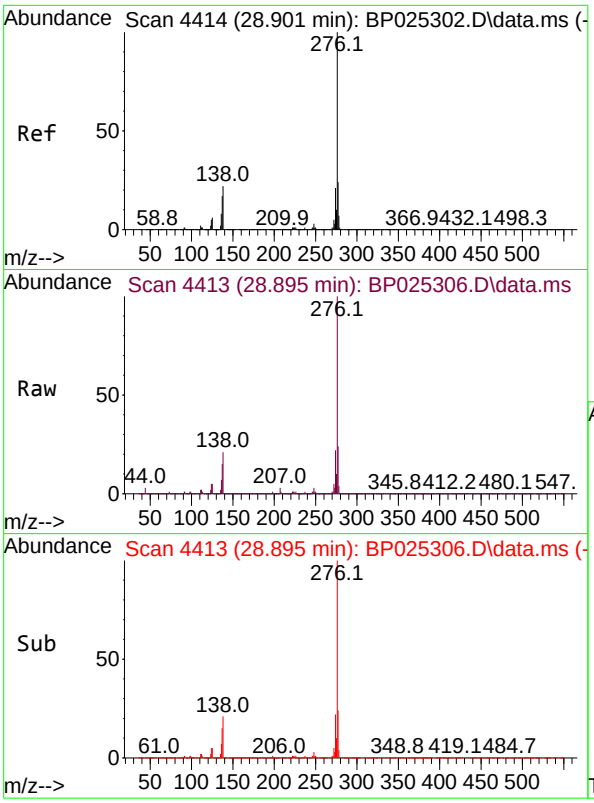


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.042 min Scan# 3758
Delta R.T. 0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:264 Resp: 1730065

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.6	17.1	25.7



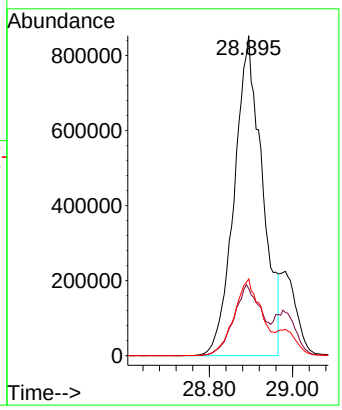


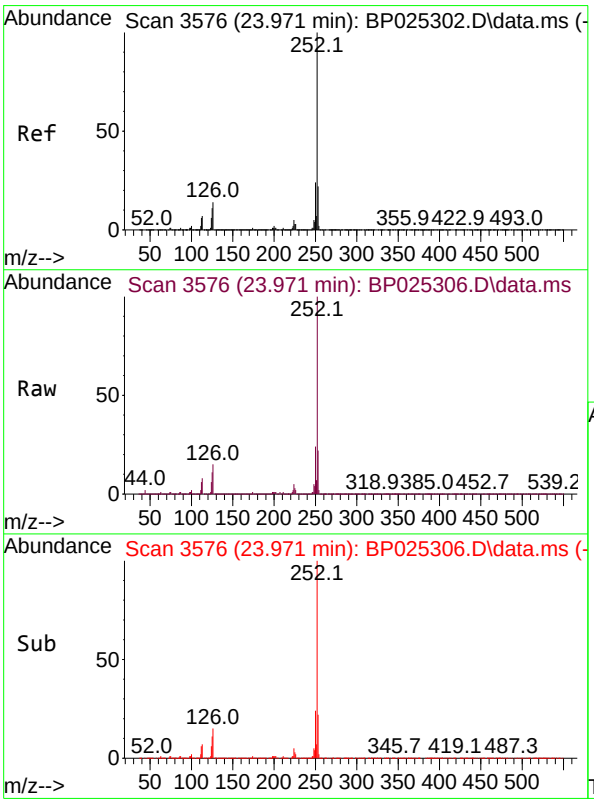
#87
Indeno(1,2,3-cd)pyrene
Concen: 32.101 ng
RT: 28.895 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:276 Resp: 3980671

Ion	Ratio	Lower	Upper
276	100		
138	22.2	14.6	22.0#
277	23.9	16.8	25.2

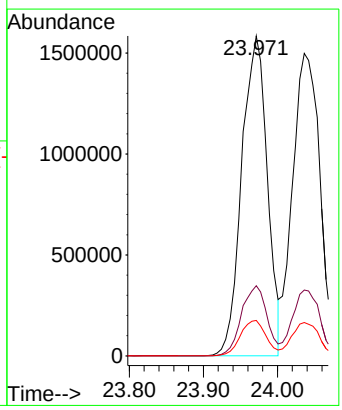


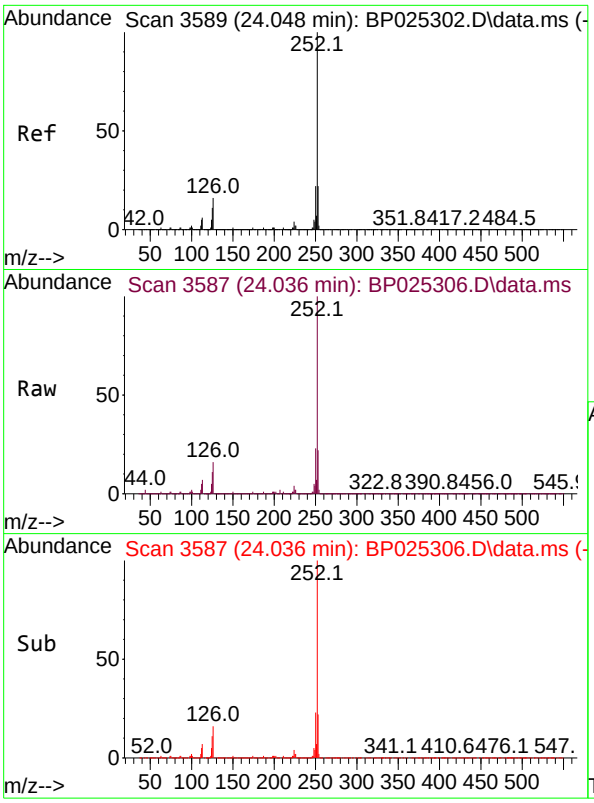


#88
Benzo(b)fluoranthene
Concen: 36.638 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3794446

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.1	8.5	12.7



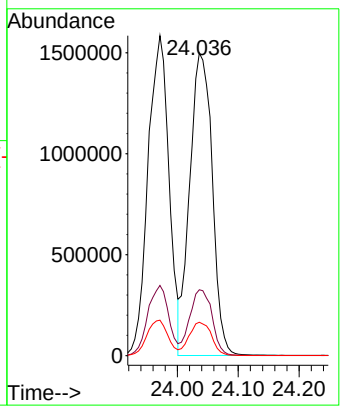


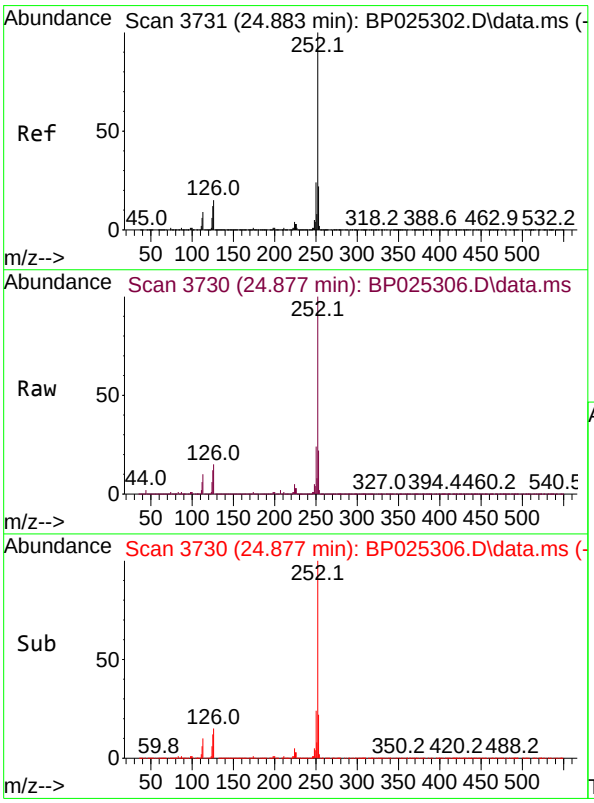
#89
Benzo(k)fluoranthene
Concen: 37.398 ng
RT: 24.036 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:252 Resp: 3839465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.5	12.7

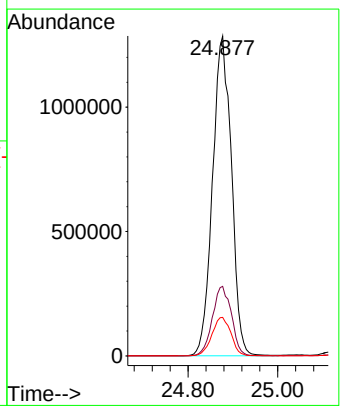


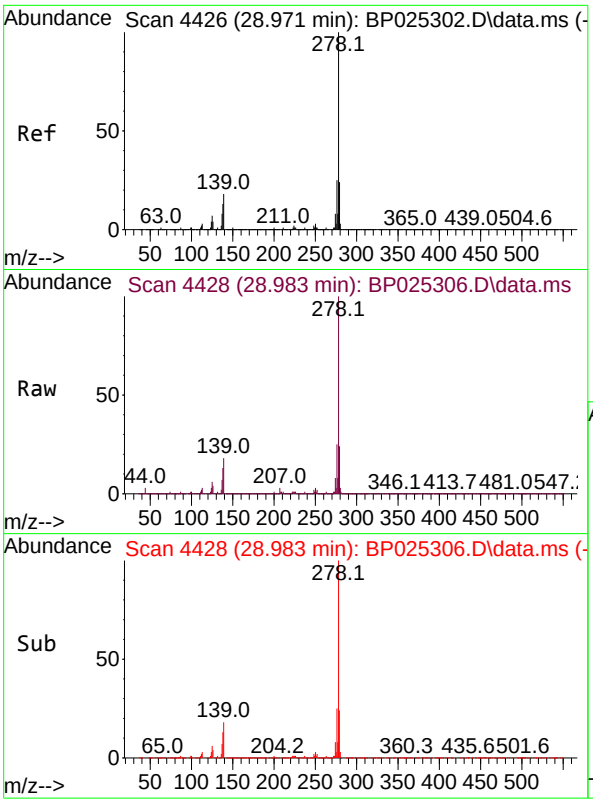


#90
Benzo(a)pyrene
Concen: 37.640 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:252 Resp: 3753992

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.0	9.4	14.0



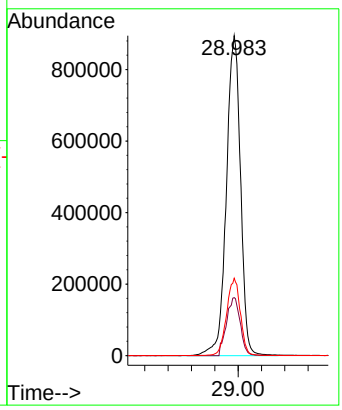


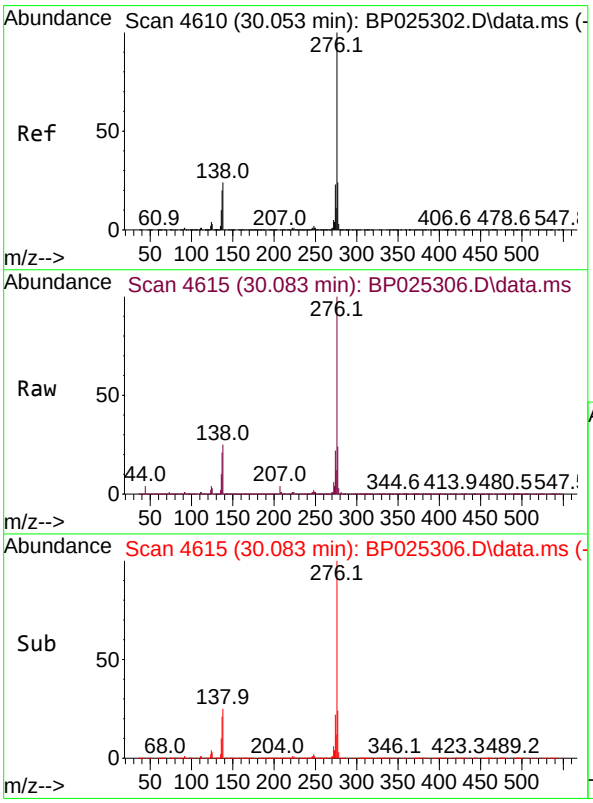
#91
Dibenzo(a,h)anthracene
Concen: 37.050 ng
RT: 28.983 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
ICVBP080525

Tgt Ion:278 Resp: 3762707

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.6	22.0
279	24.2	19.0	28.4

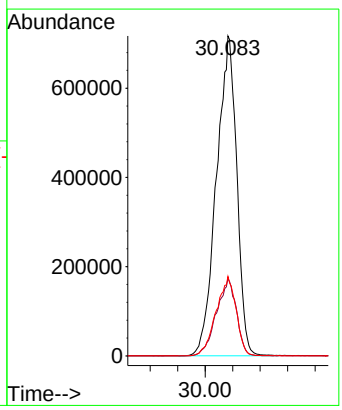




#92
Benzo(g,h,i)perylene
Concen: 36.870 ng
RT: 30.083 min Scan# 4615
Delta R.T. 0.030 min
Lab File: BP025306.D
Acq: 05 Aug 2025 17:32

Tgt Ion:276 Resp: 3674873

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	24.8	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.802	152	162911	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	673350	20.000	ng		0.00
39) Acenaphthene-d10	14.425	164	416841	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	836446	20.000	ng		0.00
76) Chrysene-d12	21.666	240	867026	20.000	ng		0.00
86) Perylene-d12	25.065	264	1047429	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	791395	78.132	ng		0.00
7) Phenol-d6	6.972	99	996611	74.762	ng		0.00
23) Nitrobenzene-d5	8.937	82	1095930	90.170	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	442787	106.478	ng		0.01
45) 2-Fluorobiphenyl	13.037	172	2575530	85.341	ng		0.00
79) Terphenyl-d14	19.942	244	3880765	84.541	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	154019	38.532	ng		95
3) Pyridine	3.731	79	412234	37.120	ng		96
4) n-Nitrosodimethylamine	3.637	42	180350	34.980	ng		92
6) Aniline	7.131	93	691509	37.788	ng		100
8) 2-Chlorophenol	7.372	128	482628	43.530	ng		97
9) Benzaldehyde	6.943	77	407131	43.002	ng		100
10) Phenol	7.002	94	557573	39.092	ng		98
11) bis(2-Chloroethyl)ether	7.225	93	423007	37.851	ng		97
12) 1,3-Dichlorobenzene	7.690	146	502997	40.376	ng		99
13) 1,4-Dichlorobenzene	7.837	146	515319	40.886	ng		99
14) 1,2-Dichlorobenzene	8.149	146	491942	40.292	ng		99
15) Benzyl Alcohol	8.031	79	396868	38.407	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	564054	31.950	ng		95
17) 2-Methylphenol	8.231	107	371935	38.971	ng		97
18) Hexachloroethane	8.872	117	185794	41.220	ng		95
19) n-Nitroso-di-n-propyla...	8.596	70	335462	38.302	ng		93
20) 3+4-Methylphenols	8.554	107	499518	38.009	ng		99
22) Acetophenone	8.607	105	677050	40.054	ng	#	96
24) Nitrobenzene	8.984	77	482357	41.925	ng		97
25) Isophorone	9.507	82	938892	38.808	ng		99
26) 2-Nitrophenol	9.684	139	251939	50.097	ng		98
27) 2,4-Dimethylphenol	9.749	122	428935	38.455	ng		95
28) bis(2-Chloroethoxy)met...	9.978	93	572502	38.899	ng		100
29) 2,4-Dichlorophenol	10.225	162	412684	42.260	ng		99
30) 1,2,4-Trichlorobenzene	10.437	180	468974	43.530	ng		99
31) Naphthalene	10.625	128	1430854	40.934	ng		99
32) Benzoic acid	9.872	122	263556	43.252	ng		97
33) 4-Chloroaniline	10.719	127	601041	38.661	ng		99
34) Hexachlorobutadiene	10.913	225	290090	46.907	ng		98
35) Caprolactam	11.507	113	146520	38.677	ng	#	85
36) 4-Chloro-3-methylphenol	11.848	107	489583	43.328	ng		100
37) 2-Methylnaphthalene	12.237	142	912525	40.333	ng		99
38) 1-Methylnaphthalene	12.448	142	941888	39.898	ng		100
40) 1,2,4,5-Tetrachloroben...	12.607	216	505917	44.455	ng		99
41) Hexachlorocyclopentadiene	12.590	237	317262	45.169	ng		99
43) 2,4,6-Trichlorophenol	12.837	196	335726	45.667	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.913	196	370942	44.979	ng		100
46) 1,1'-Biphenyl	13.242	154	1262313	41.092	ng		99
47) 2-Chloronaphthalene	13.284	162	998894	42.622	ng		100
48) 2-Nitroaniline	13.484	65	288791	42.432	ng		95
49) Acenaphthylene	14.137	152	1618764	41.408	ng		99
50) Dimethylphthalate	13.872	163	1241763	40.865	ng		100
51) 2,6-Dinitrotoluene	13.989	165	270913	48.334	ng		87
52) Acenaphthene	14.484	154	934768	39.201	ng		99
53) 3-Nitroaniline	14.319	138	298286	45.480	ng		96
54) 2,4-Dinitrophenol	14.525	184	133103	53.765	ng	#	48
55) Dibenzofuran	14.831	168	1465683	41.132	ng		99
56) 4-Nitrophenol	14.636	139	244171	42.183	ng		98
57) 2,4-Dinitrotoluene	14.784	165	395234	45.658	ng		98
58) Fluorene	15.489	166	1161174	41.489	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.060	232	321863	46.722	ng		96
60) Diethylphthalate	15.254	149	1242433	40.555	ng		100
61) 4-Chlorophenyl-phenyle...	15.483	204	570645	43.008	ng		100
62) 4-Nitroaniline	15.501	138	298255	45.895	ng		97
63) Azobenzene	15.783	77	1097228	38.553	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	211611	54.377	ng		94
66) n-Nitrosodiphenylamine	15.695	169	1042925	40.950	ng		99
67) 4-Bromophenyl-phenylether	16.395	248	367555	43.673	ng		96
68) Hexachlorobenzene	16.519	284	423300	44.825	ng		97
69) Atrazine	16.672	200	379801	42.405	ng		98
70) Pentachlorophenol	16.872	266	298109	49.549	ng		98
71) Phenanthrene	17.272	178	1886510	41.178	ng		100
72) Anthracene	17.360	178	1925956	41.693	ng		100
73) Carbazole	17.636	167	1791533	40.403	ng		100
74) Di-n-butylphthalate	18.236	149	2248337	41.912	ng		100
75) Fluoranthene	19.336	202	2188836	41.272	ng		98
77) Benzidine	19.536	184	1401654	44.665	ng		100
78) Pyrene	19.713	202	2357222	40.885	ng		99
80) Butylbenzylphthalate	20.671	149	1053125	45.038	ng		99
81) Benzo(a)anthracene	21.642	228	2336188	40.547	ng		99
82) 3,3'-Dichlorobenzidine	21.560	252	881515	43.364	ng		99
83) Chrysene	21.713	228	2196085	41.095	ng		99
84) Bis(2-ethylhexyl)phtha...	21.595	149	1576424	42.221	ng		99
85) Di-n-octyl phthalate	22.895	149	2777521	44.443	ng		96
87) Indeno(1,2,3-cd)pyrene	28.936	276	2734079	36.418	ng		96
88) Benzo(b)fluoranthene	23.995	252	2520756	40.203	ng		99
89) Benzo(k)fluoranthene	24.071	252	2461874	39.607	ng		99
90) Benzo(a)pyrene	24.907	252	2431295	40.265	ng		99
91) Dibenzo(a,h)anthracene	29.018	278	2625934	42.708	ng		97
92) Benzo(g,h,i)perylene	30.130	276	2572509	42.630	ng		96

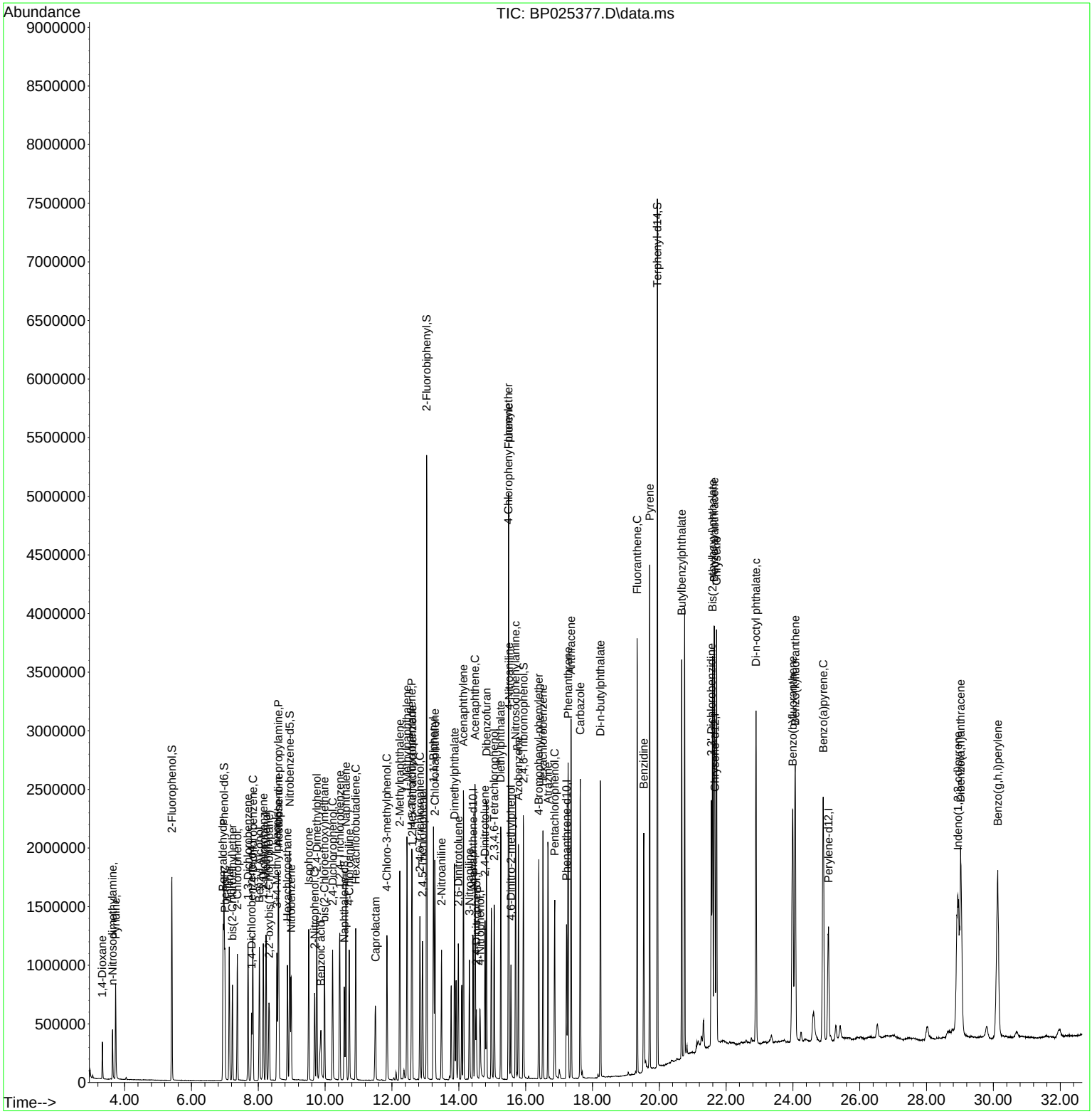
(#) = qualifier out of range (m) = manual integration (+) = signals summed

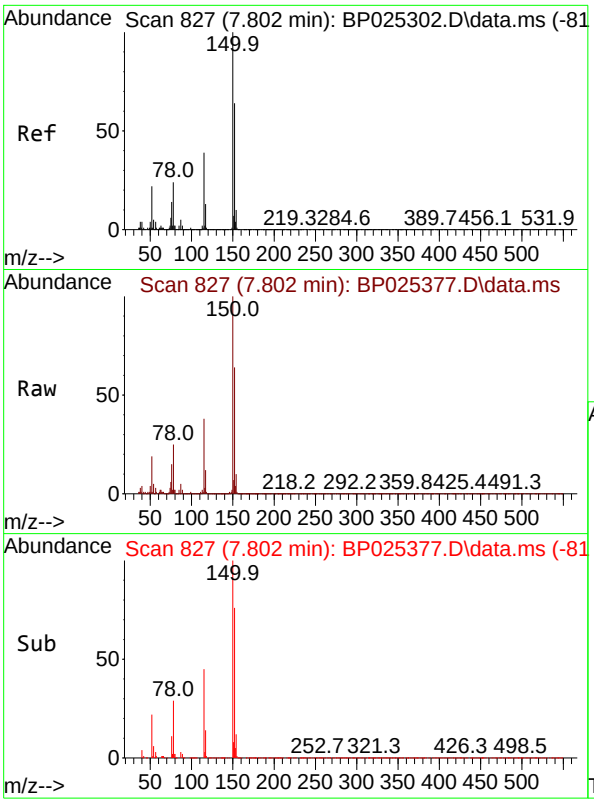
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025377.D
Acq On : 13 Aug 2025 09:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 10:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



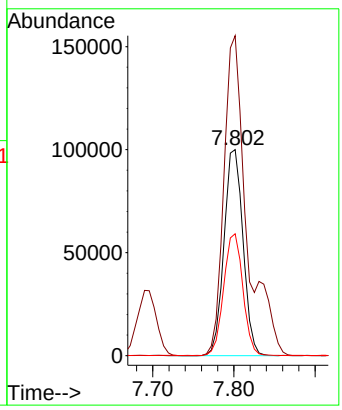


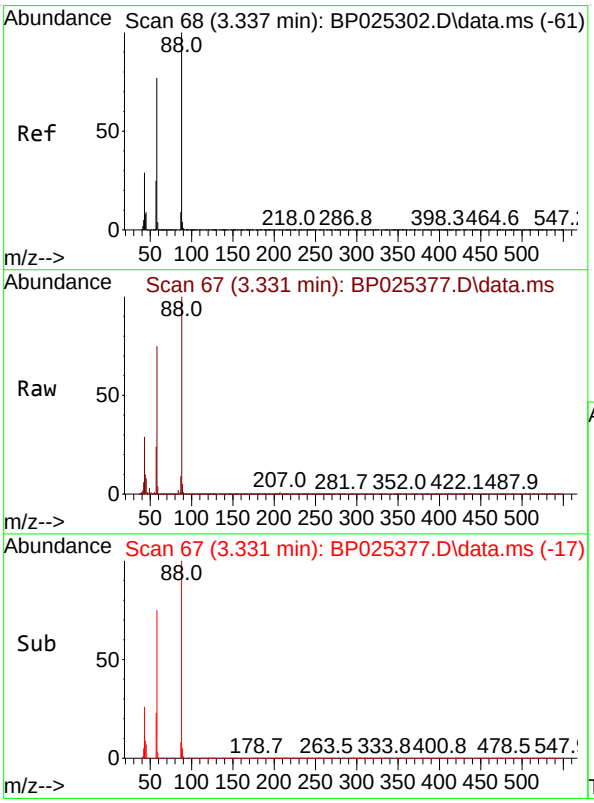
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 162911

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.1	187.7
115	59.1	48.4	72.6

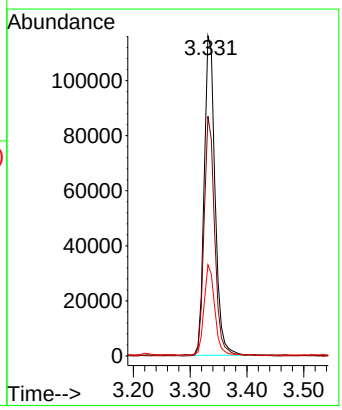


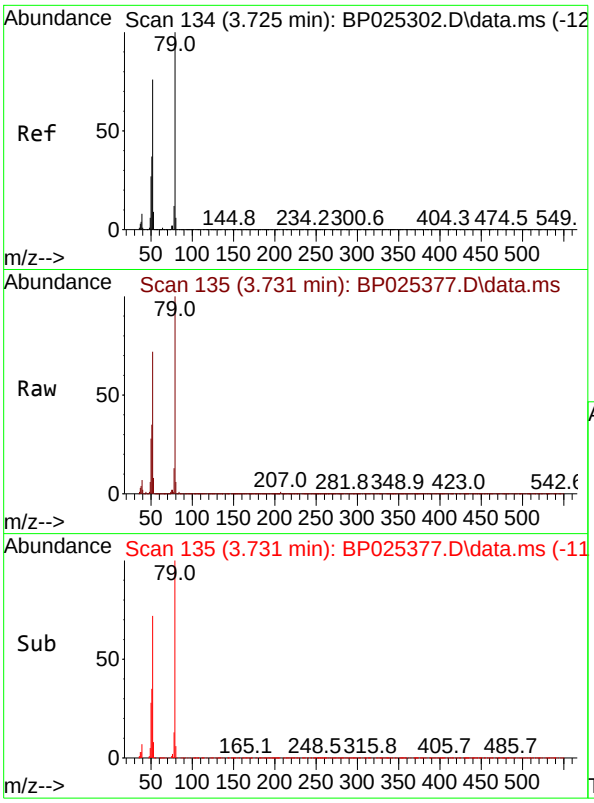


#2
1,4-Dioxane
Concen: 38.532 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 88 Resp: 154019

Ion	Ratio	Lower	Upper
88	100		
58	73.2	61.9	92.9
43	27.8	24.2	36.2



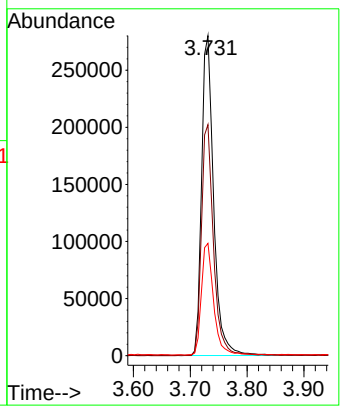


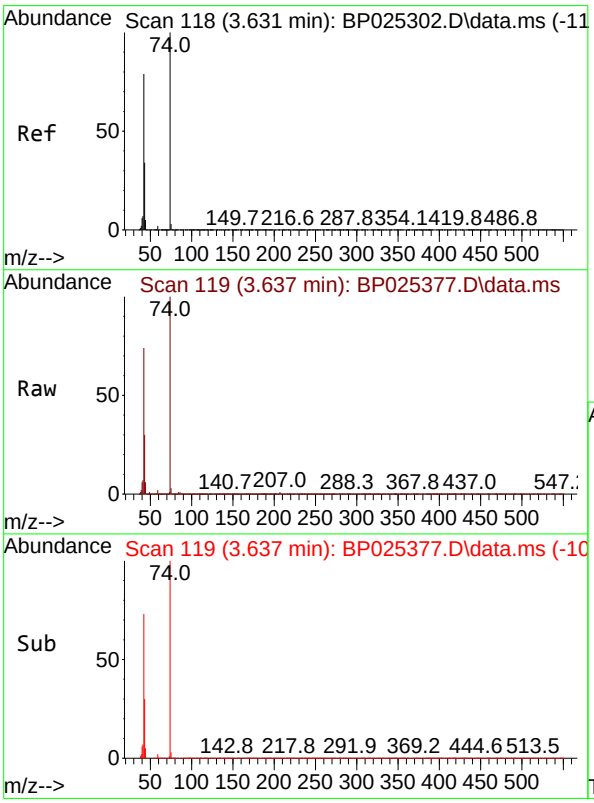
#3
Pyridine
Concen: 37.120 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 412234

Ion	Ratio	Lower	Upper
79	100		
52	72.2	60.5	90.7
51	35.1	30.2	45.2

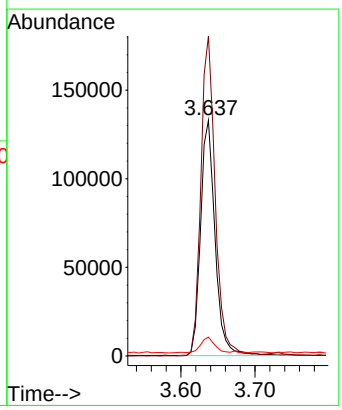


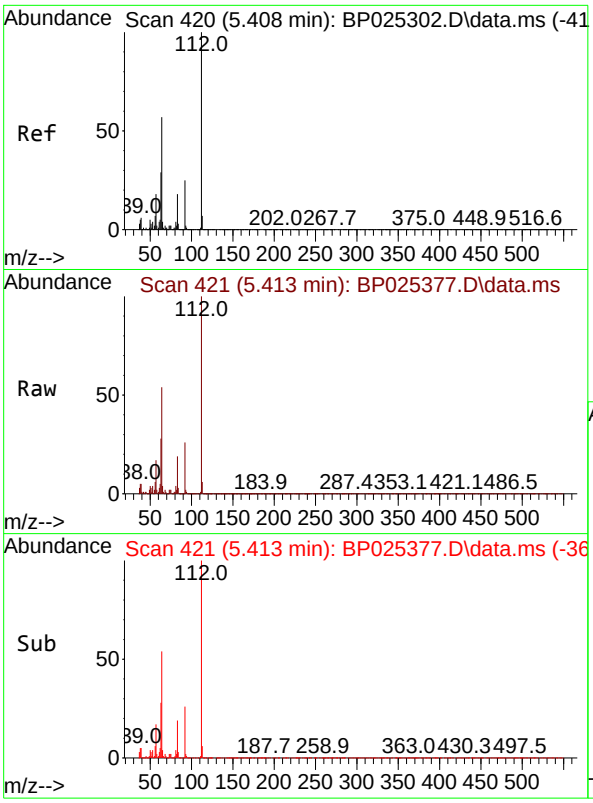


#4
n-Nitrosodimethylamine
Concen: 34.980 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 42 Resp: 180350

Ion	Ratio	Lower	Upper
42	100		
74	135.7	101.4	152.2
44	8.0	7.6	11.4



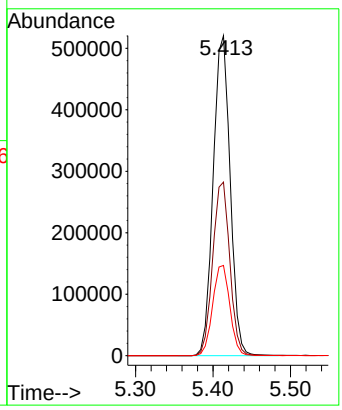


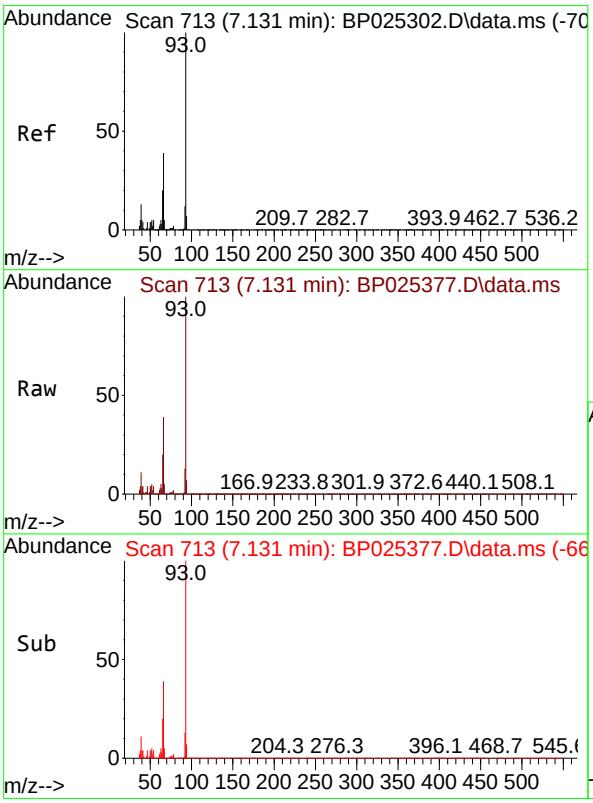
#5
2-Fluorophenol
Concen: 78.132 ng
RT: 5.413 min Scan# 4
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 791395

Ion	Ratio	Lower	Upper
112	100		
64	54.3	45.3	67.9
63	28.2	23.0	34.6

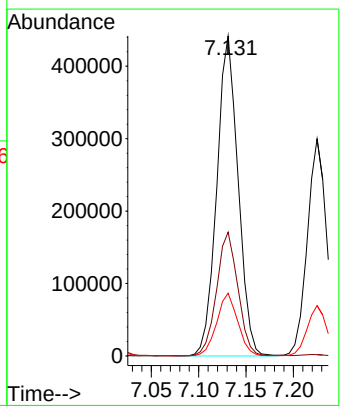


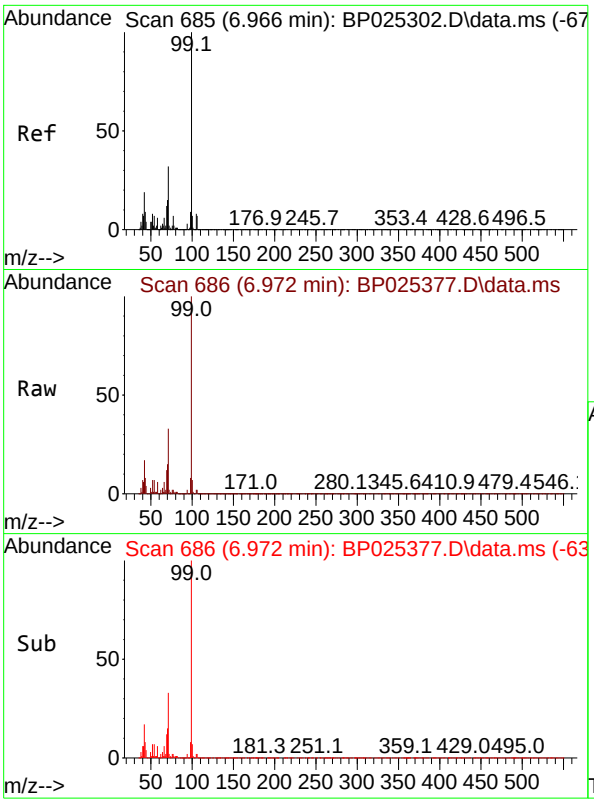


#6
Aniline
Concen: 37.788 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 93 Resp: 691509

Ion	Ratio	Lower	Upper
93	100		
66	38.7	31.1	46.7
65	19.6	15.8	23.8



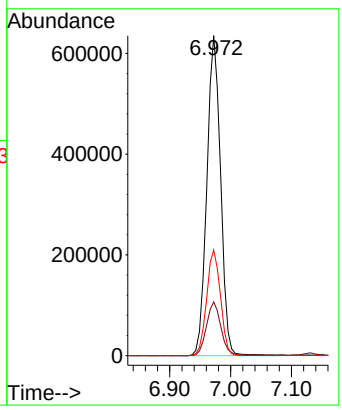


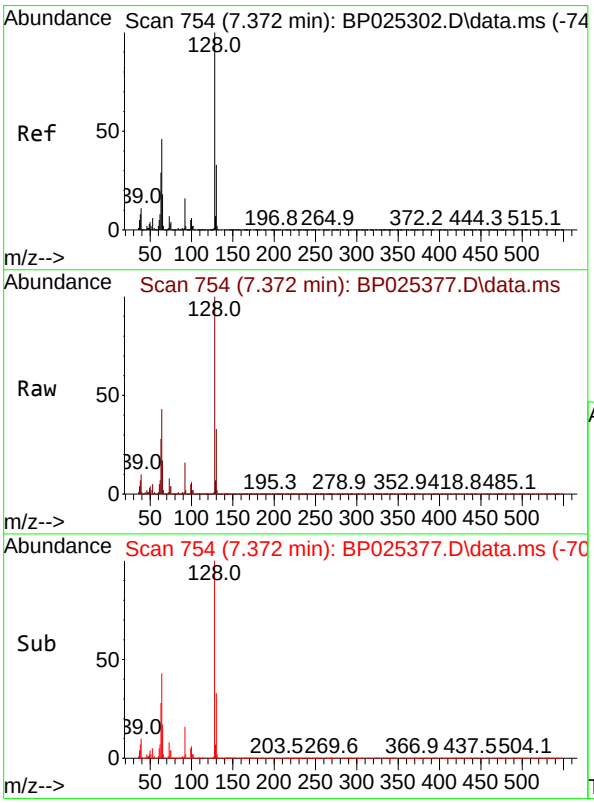
#7
Phenol-d6
Concen: 74.762 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 996611

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.0	25.5	38.3

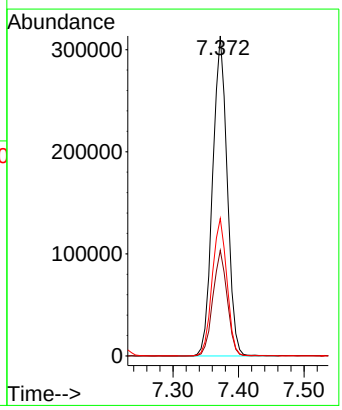


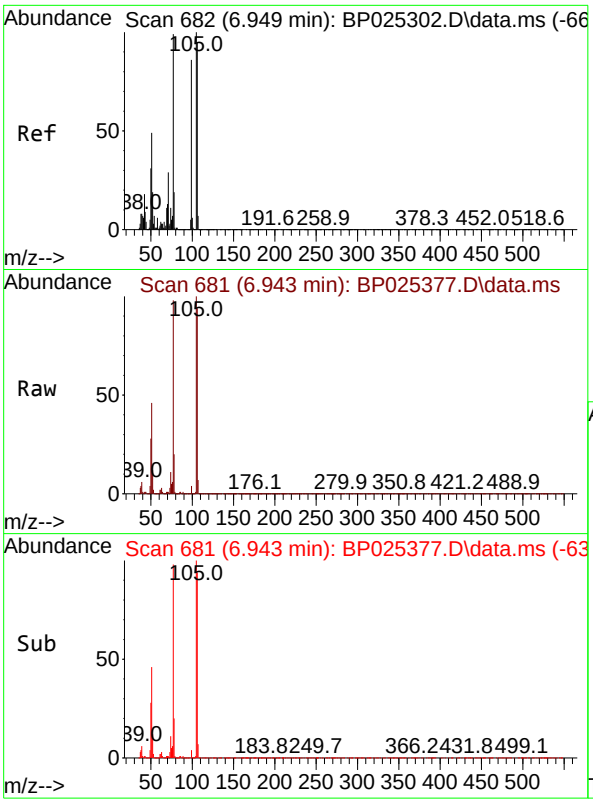


#8
2-Chlorophenol
Concen: 43.530 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:128 Resp: 482628

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.1	53.1
64	42.9	26.1	66.1



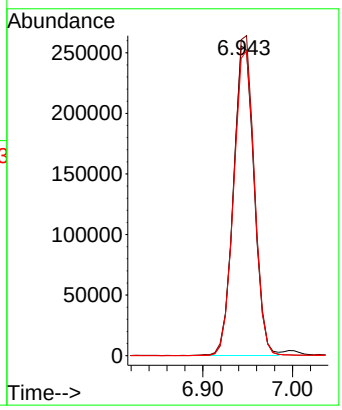


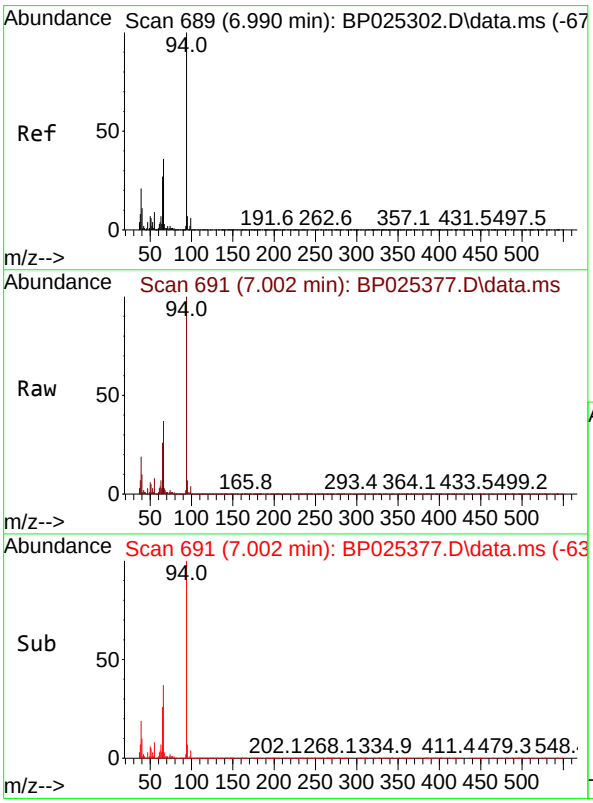
#9
Benzaldehyde
Concen: 43.002 ng
RT: 6.943 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 407131

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	96.0	76.2	116.2

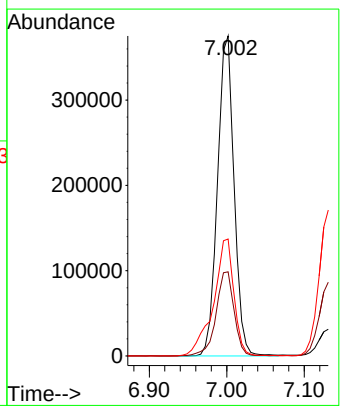


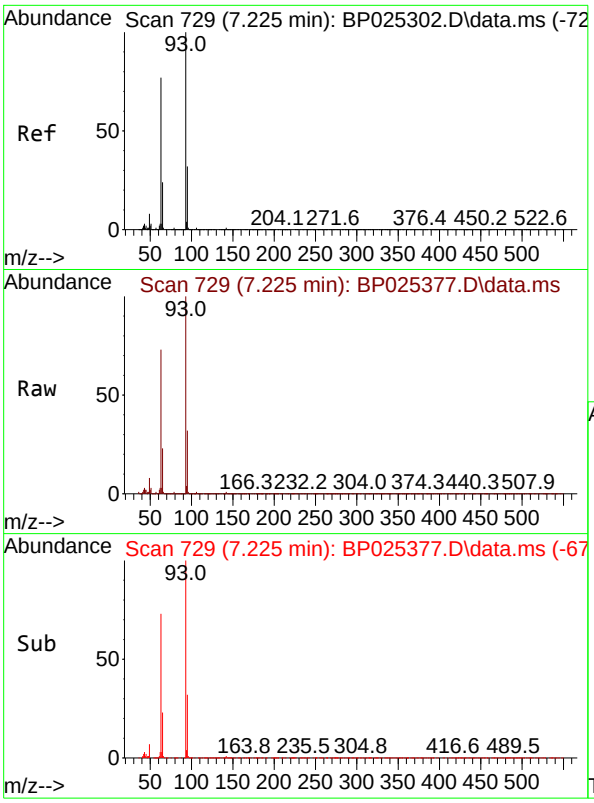


#10
Phenol
Concen: 39.092 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 94 Resp: 557573

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	36.5	15.7	55.7



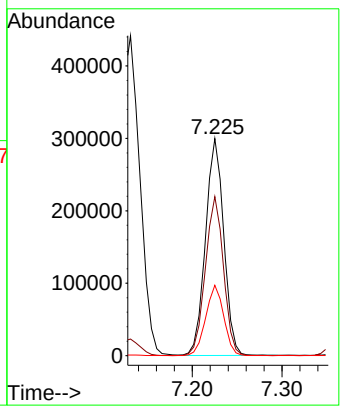


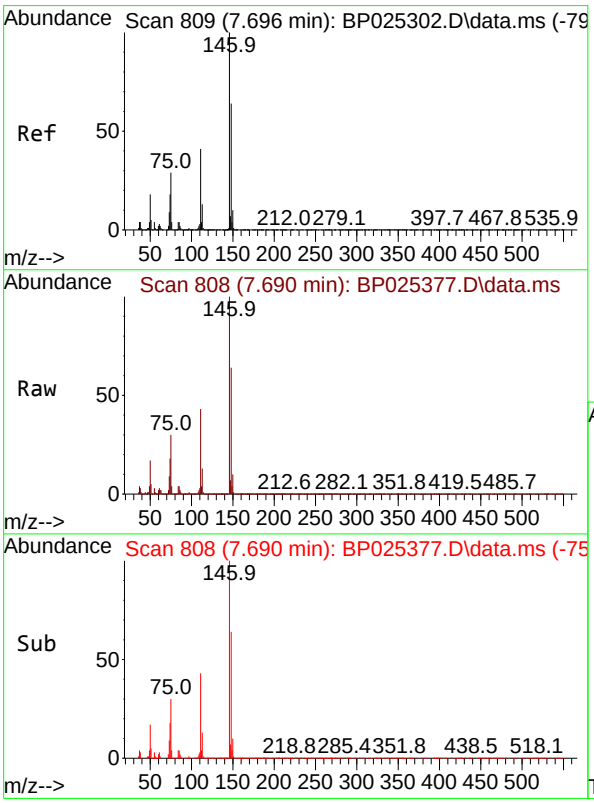
#11
bis(2-Chloroethyl)ether
Concen: 37.851 ng
RT: 7.225 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 423007

Ion	Ratio	Lower	Upper
93	100		
63	73.2	57.0	97.0
95	32.4	12.1	52.1

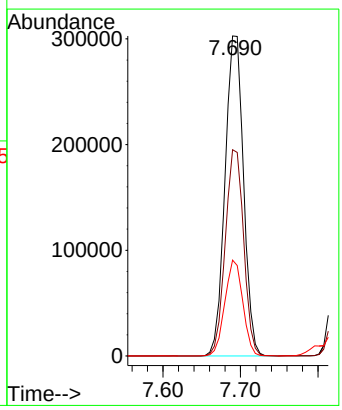


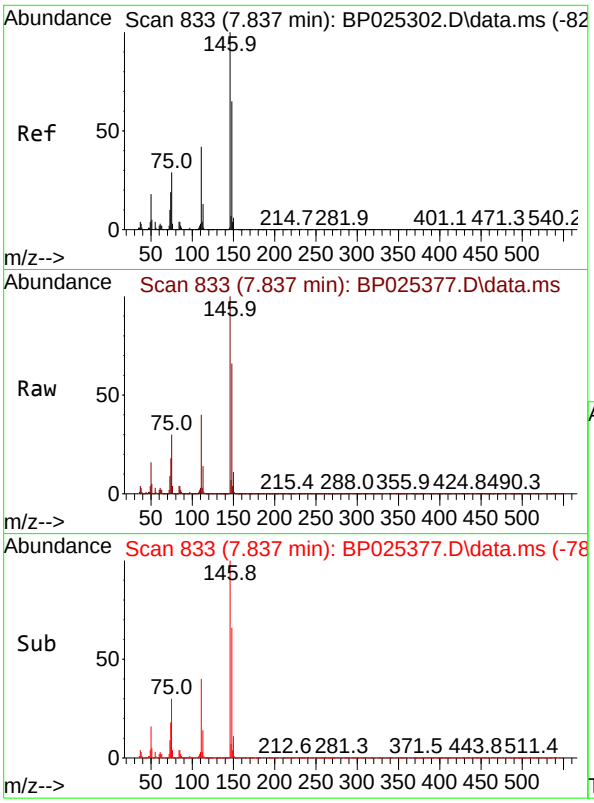


#12
1,3-Dichlorobenzene
Concen: 40.376 ng
RT: 7.690 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:146 Resp: 502997

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
75	29.9	23.2	34.8



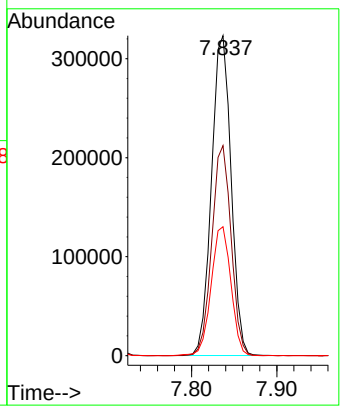


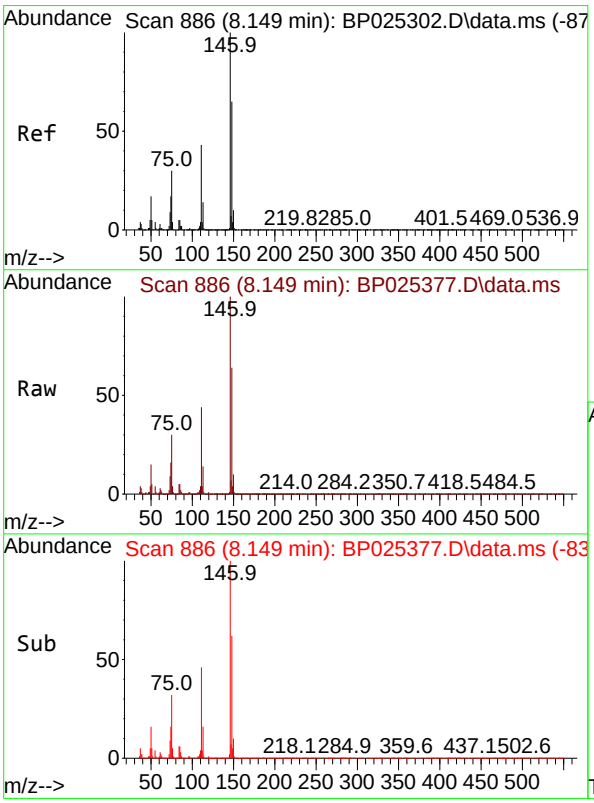
#13
1,4-Dichlorobenzene
Concen: 40.886 ng
RT: 7.837 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 515319

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.0	78.0
111	40.3	33.2	49.8

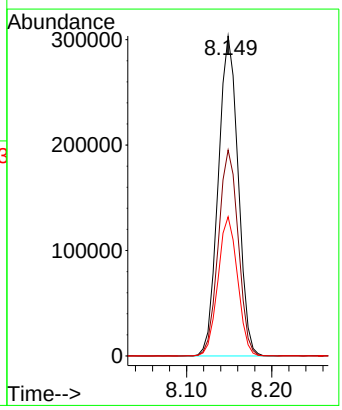


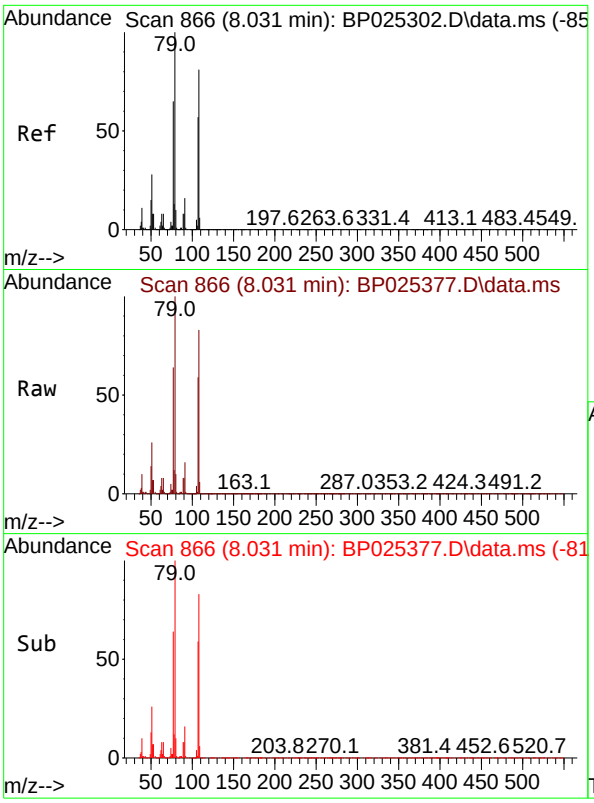


#14
1,2-Dichlorobenzene
Concen: 40.292 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:146 Resp: 491942

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.9	77.9
111	43.5	34.4	51.6



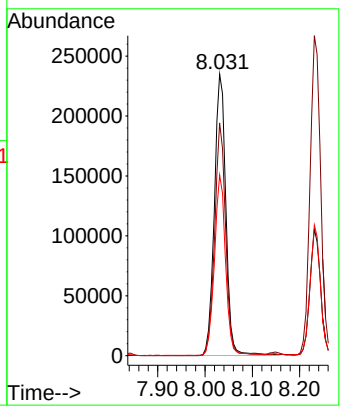


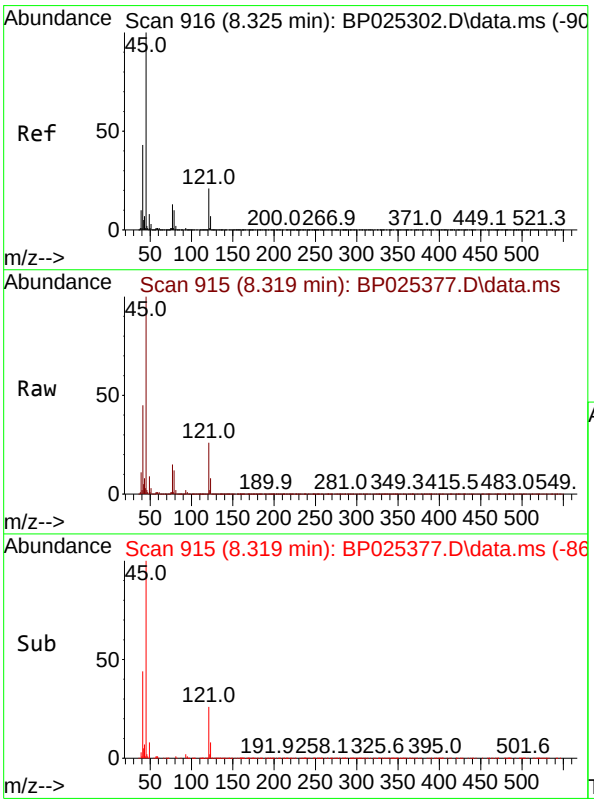
#15
Benzyl Alcohol
Concen: 38.407 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 396868

Ion	Ratio	Lower	Upper
79	100		
108	82.7	64.5	96.7
77	64.1	51.9	77.9

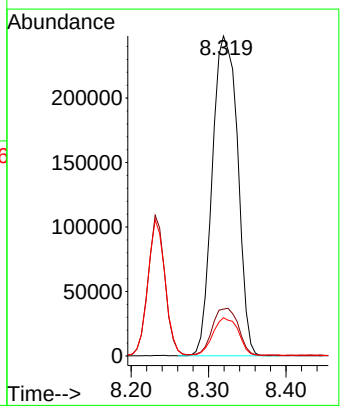


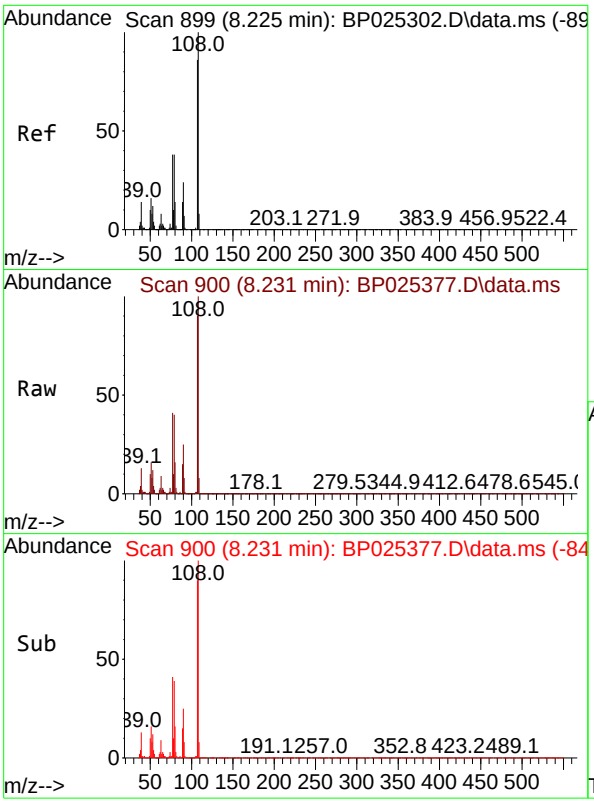


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.950 ng
RT: 8.319 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 45 Resp: 564054

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	33.0
79	11.9	0.0	29.8



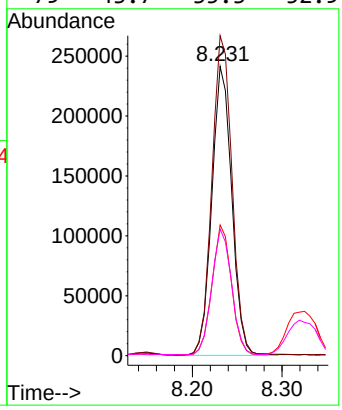


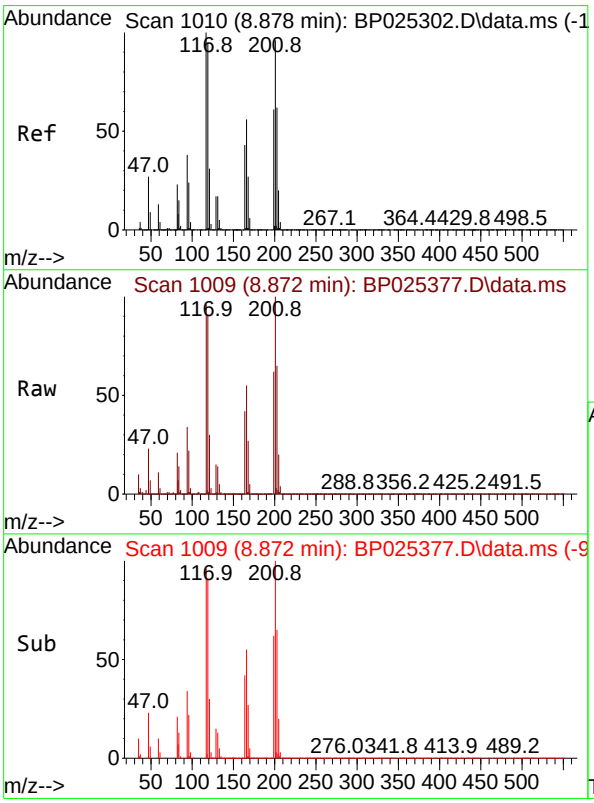
#17
2-Methylphenol
Concen: 38.971 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 371935

Ion	Ratio	Lower	Upper
107	100		
108	110.6	92.6	139.0
77	45.2	35.4	53.2
79	43.7	35.3	52.9

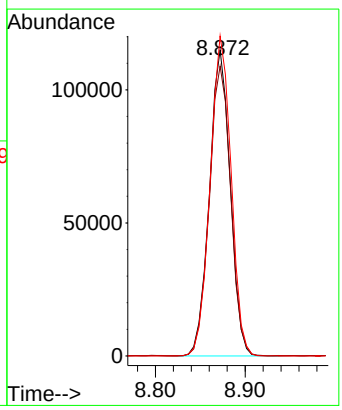


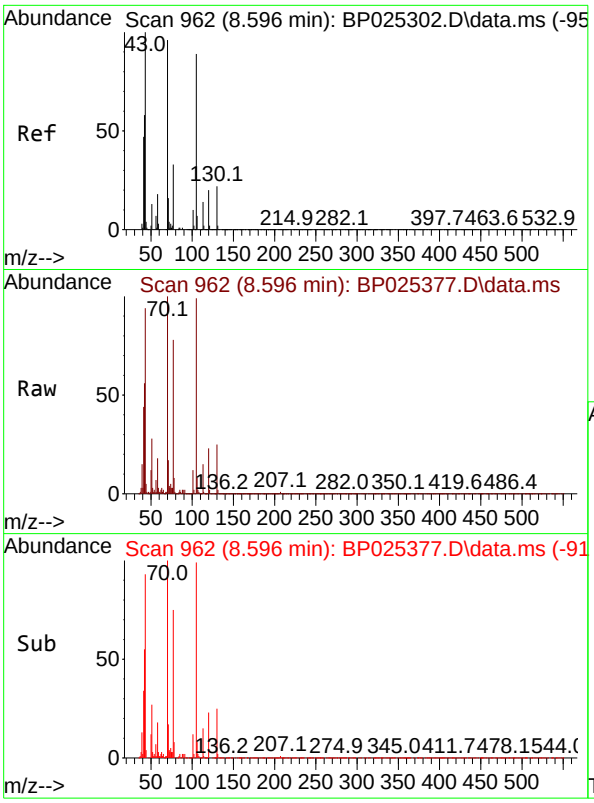


#18
Hexachloroethane
Concen: 41.220 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:117 Resp: 185794

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	104.6	76.6	114.8



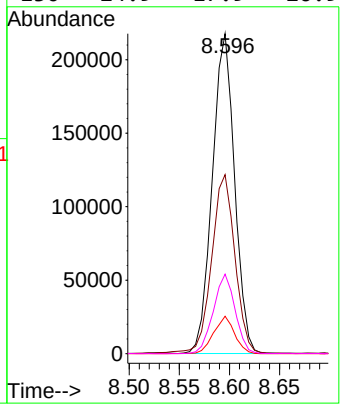


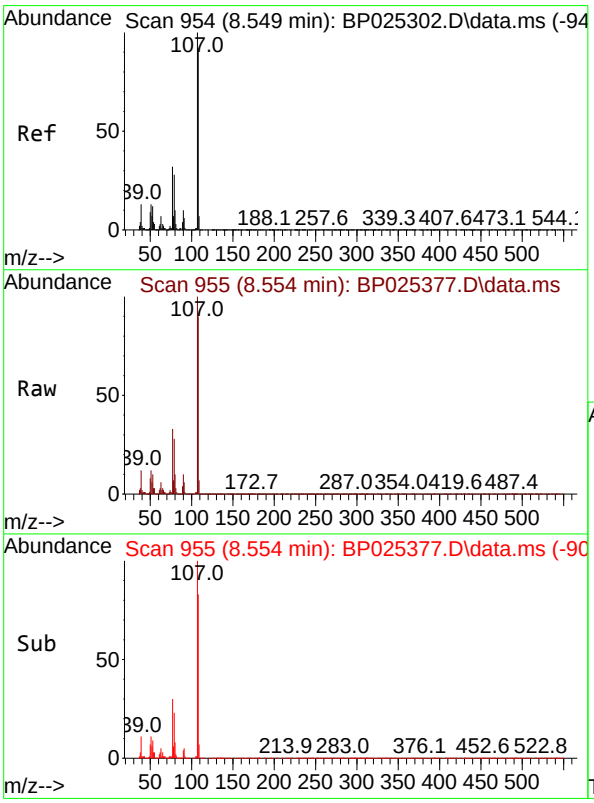
#19
n-Nitroso-di-n-propylamine
Concen: 38.302 ng
RT: 8.596 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 335462

Ion	Ratio	Lower	Upper
70	100		
42	56.0	49.4	74.0
101	11.7	7.9	11.9
130	24.9	17.9	26.9

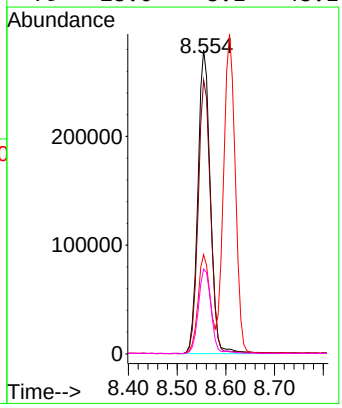


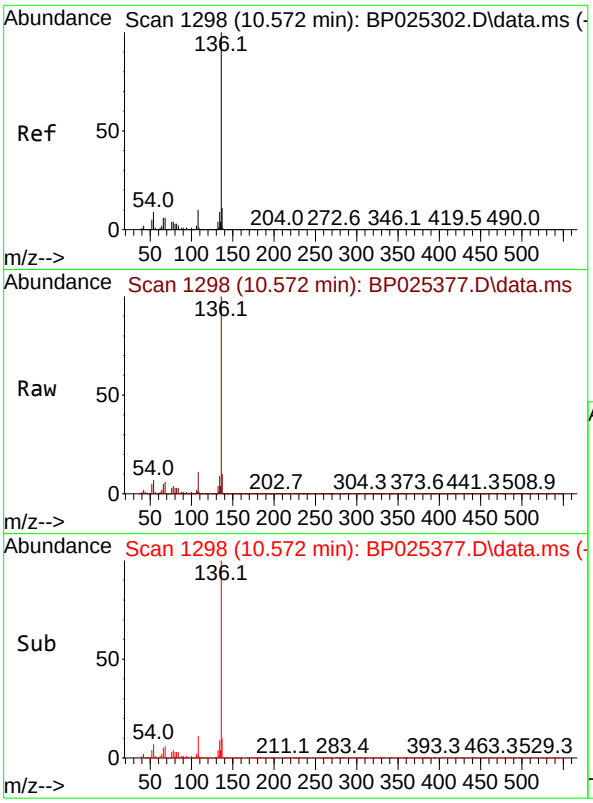


#20
3+4-Methylphenols
Concen: 38.009 ng
RT: 8.554 min Scan# 955
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:107 Resp: 499518

Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.9	111.9
77	32.7	12.0	52.0
79	28.0	8.1	48.1



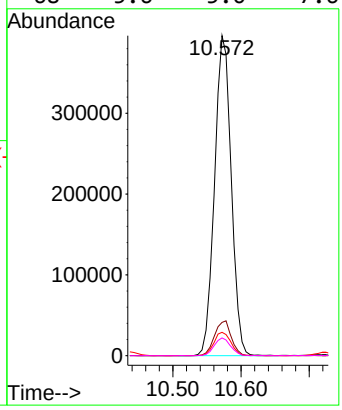


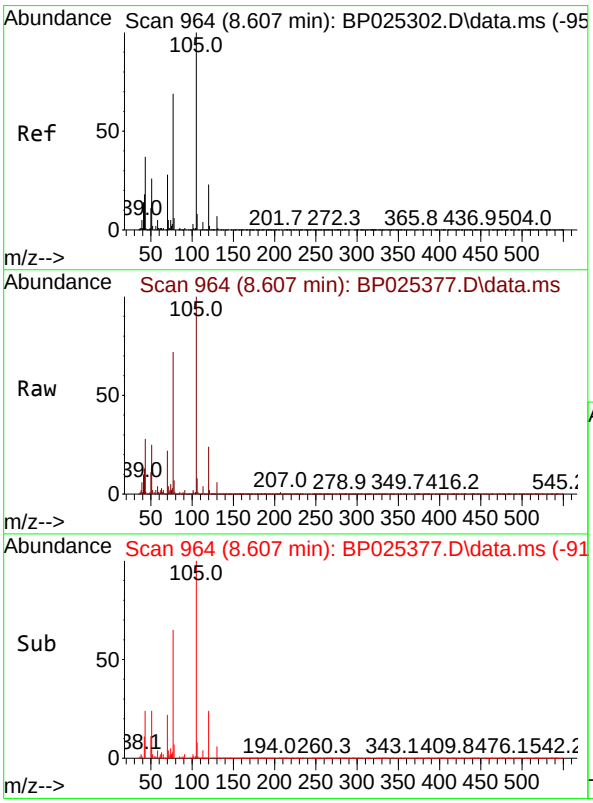
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 673350

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.3	7.0	10.6
68	5.6	5.0	7.6

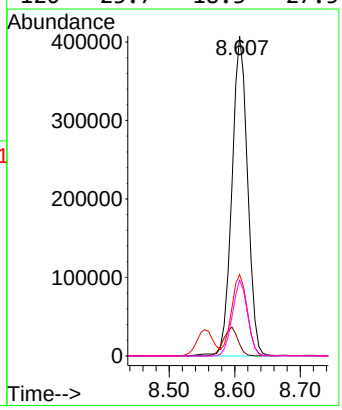


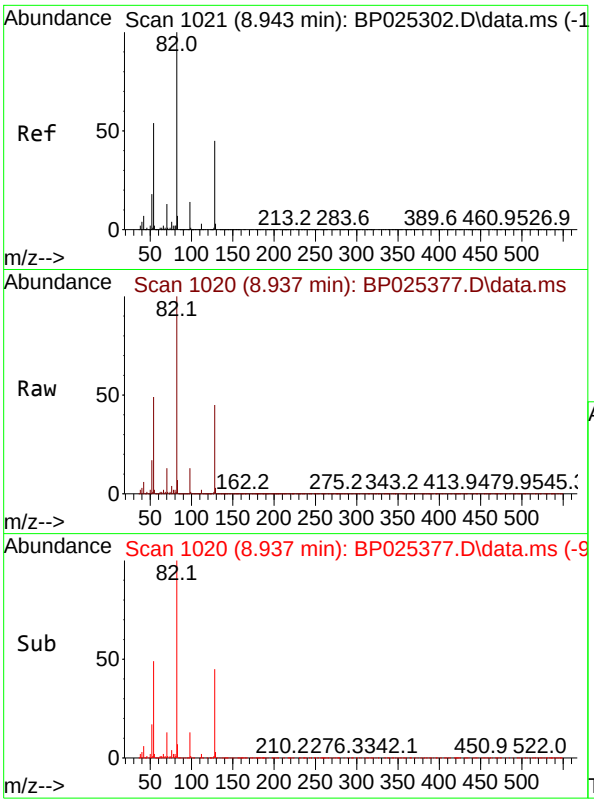


#22
Acetophenone
Concen: 40.054 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:105 Resp: 677050

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.1	6.1#
51	25.4	22.7	34.1
120	23.7	18.3	27.5



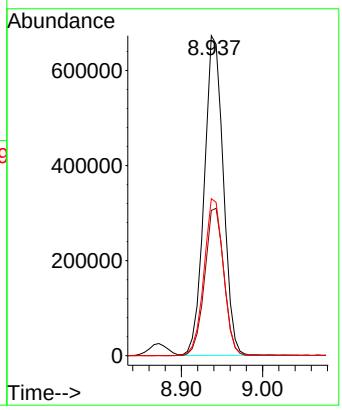


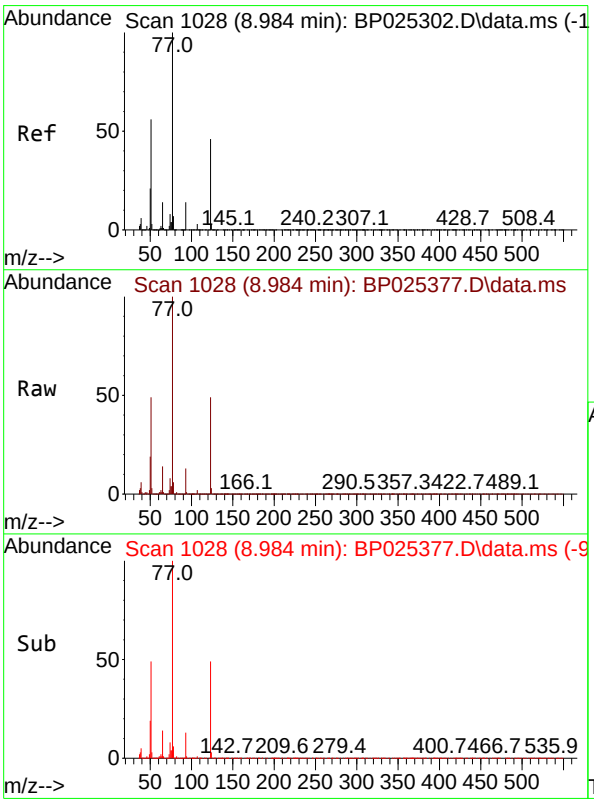
#23
Nitrobenzene-d5
Concen: 90.170 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1095930

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.4	53.2
54	49.0	42.9	64.3

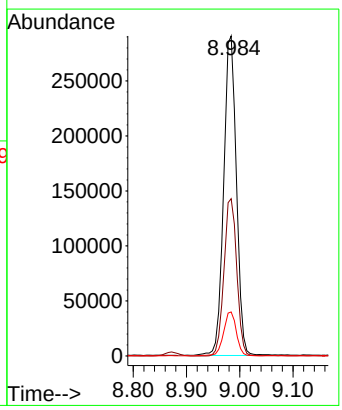


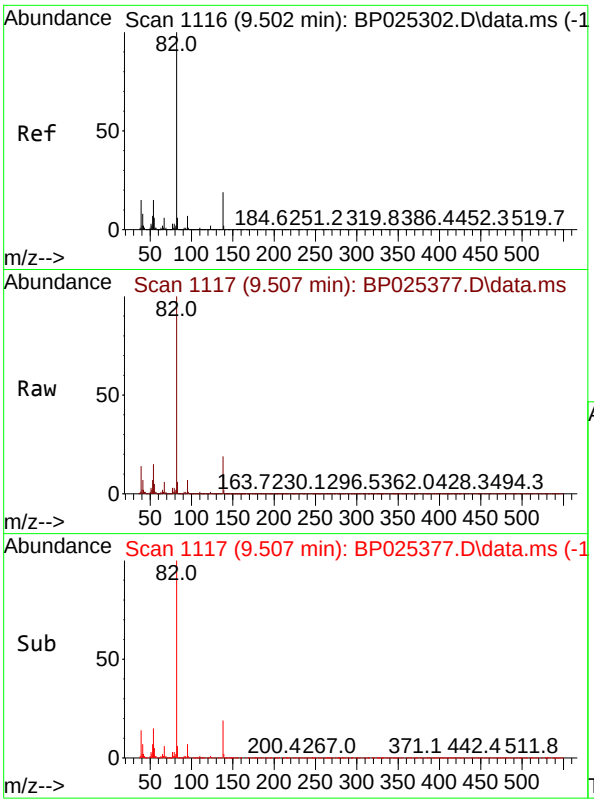


#24
Nitrobenzene
Concen: 41.925 ng
RT: 8.984 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 77 Resp: 482357

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.4	56.2
65	13.7	11.1	16.7



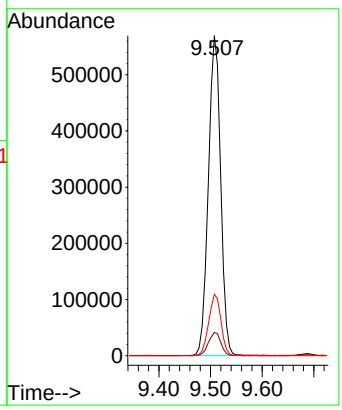


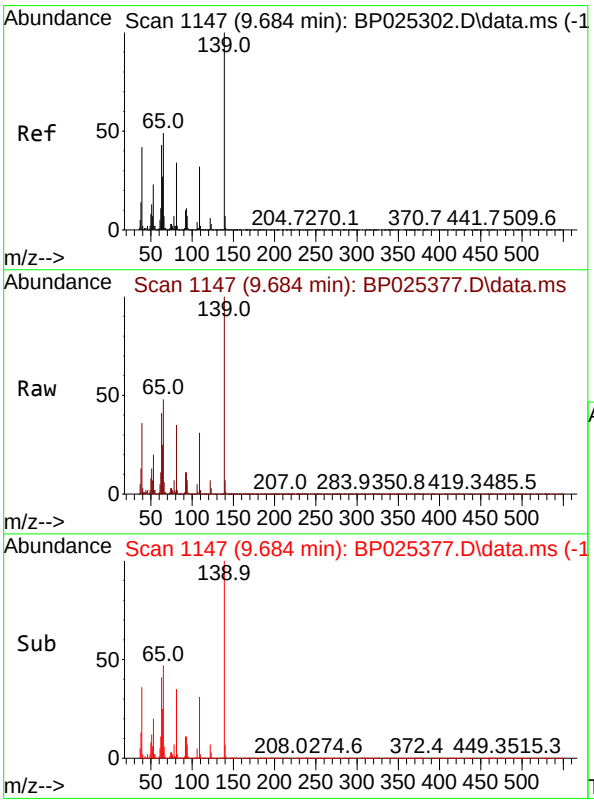
#25
Isophorone
Concen: 38.808 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 938892

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	19.1	15.0	22.6

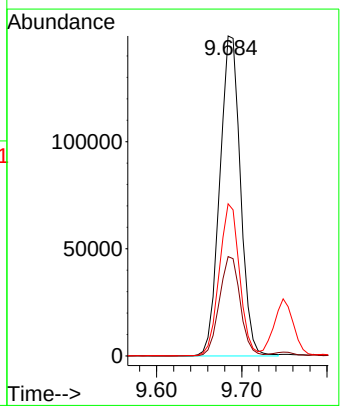


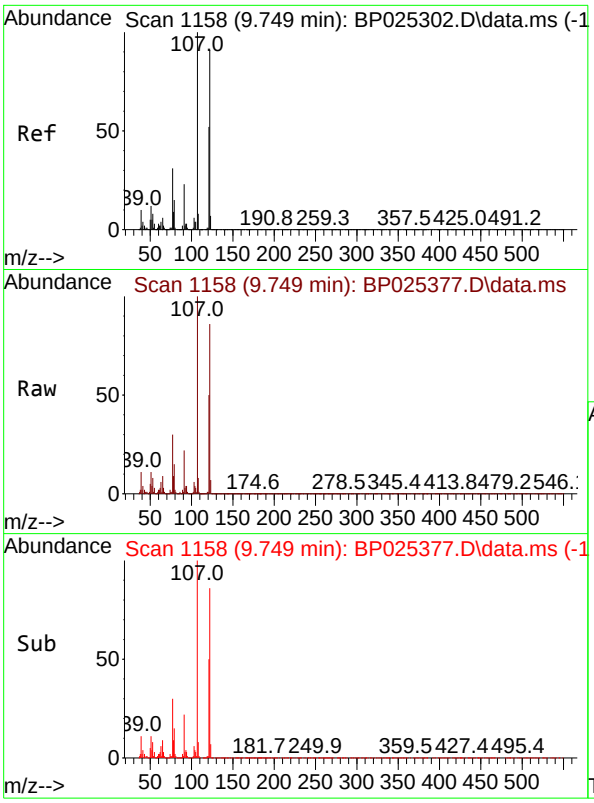


#26
2-Nitrophenol
Concen: 50.097 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:139 Resp: 251939

Ion	Ratio	Lower	Upper
139	100		
109	31.0	25.2	37.8
65	47.5	39.6	59.4



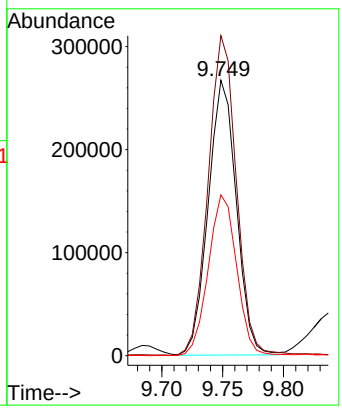


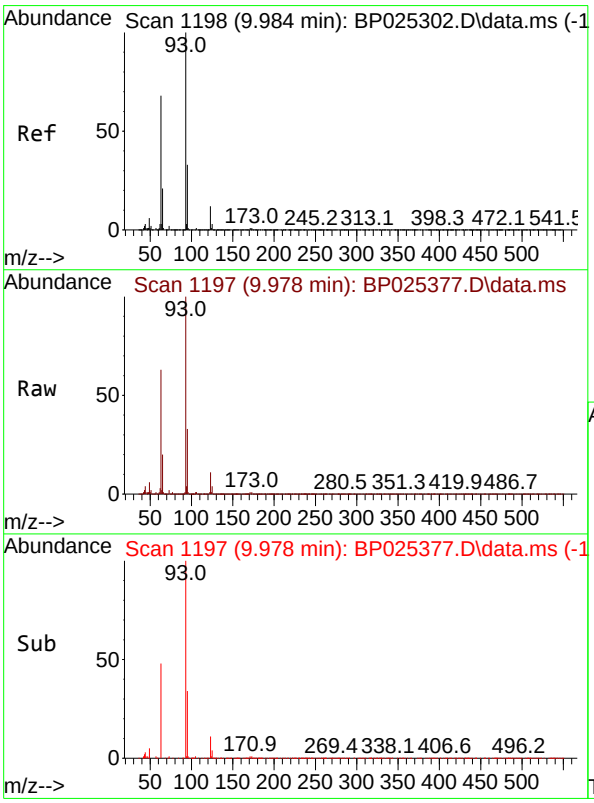
#27
2,4-Dimethylphenol
Concen: 38.455 ng
RT: 9.749 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 428935

Ion	Ratio	Lower	Upper
122	100		
107	116.2	87.4	131.0
121	58.4	45.8	68.8

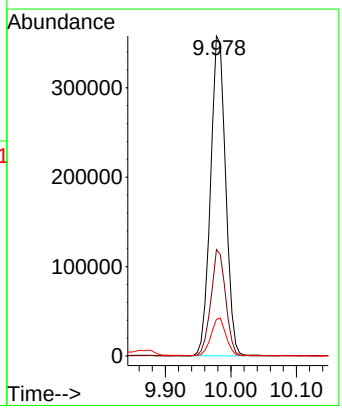


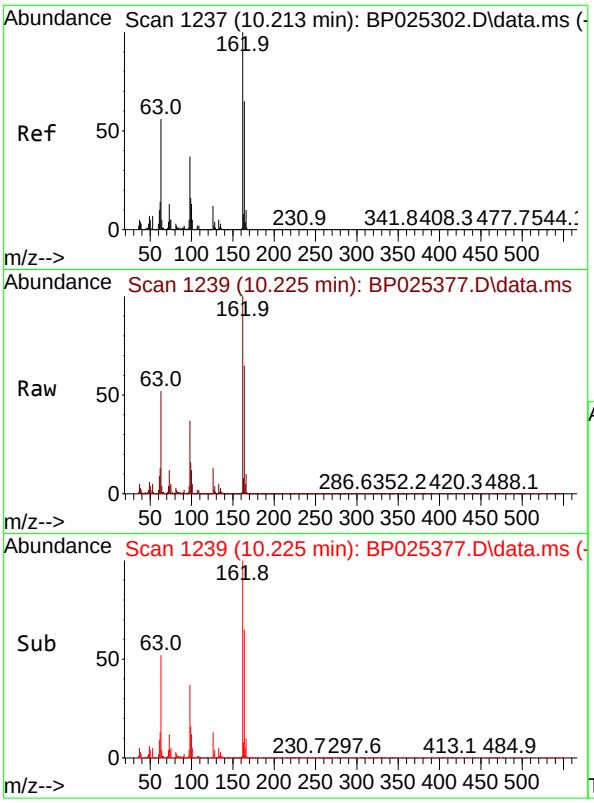


#28
bis(2-Chloroethoxy)methane
Concen: 38.899 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 93 Resp: 572502

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.5	39.7
123	11.5	9.4	14.2



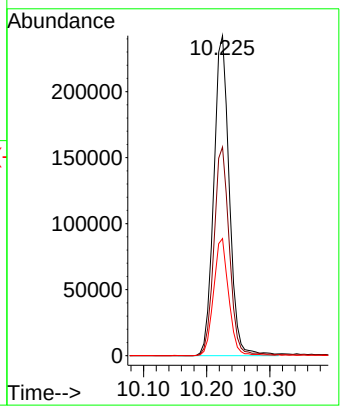


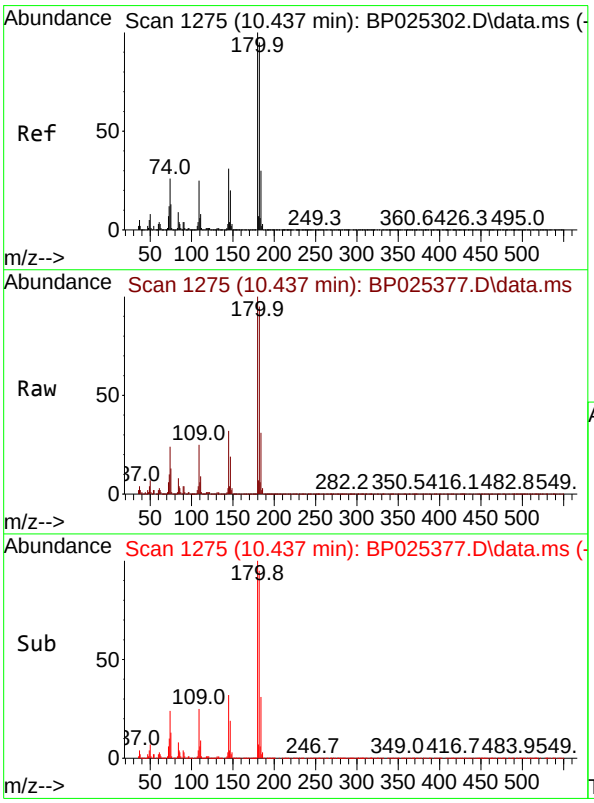
#29
2,4-Dichlorophenol
Concen: 42.260 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 412684

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.2	85.2
98	36.6	17.5	57.5

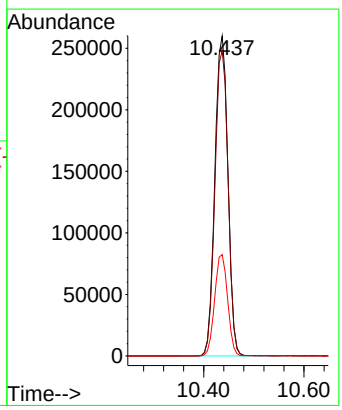


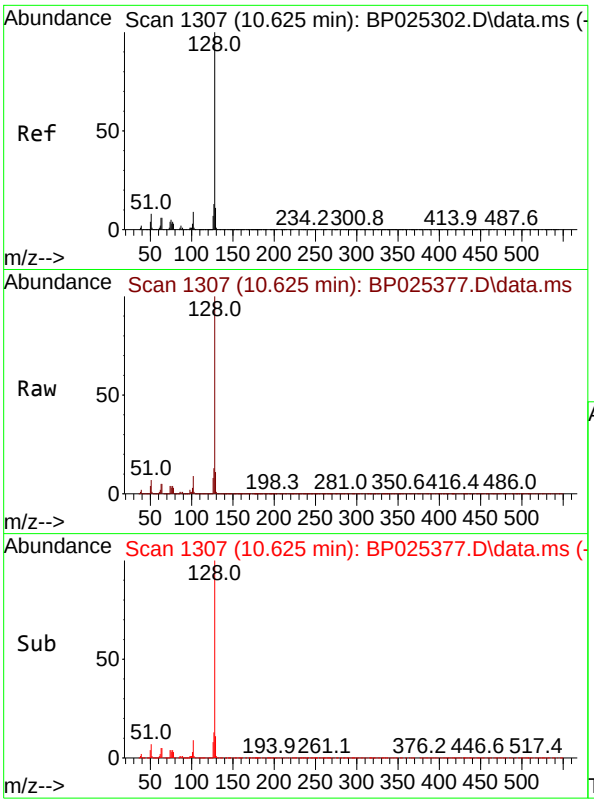


#30
1,2,4-Trichlorobenzene
Concen: 43.530 ng
RT: 10.437 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:180 Resp: 468974

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	31.7	25.0	37.4



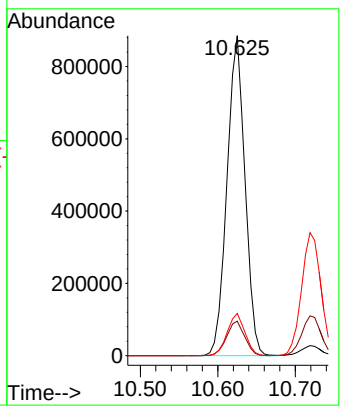


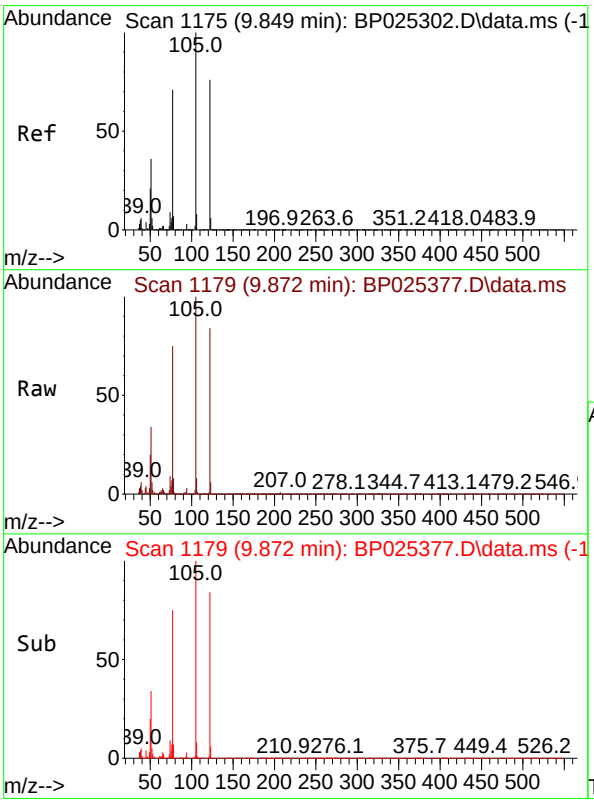
#31
Naphthalene
Concen: 40.934 ng
RT: 10.625 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1430854

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.2	10.4	15.6

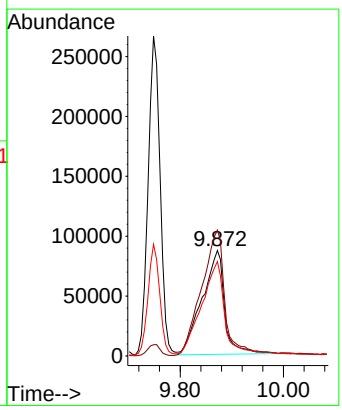


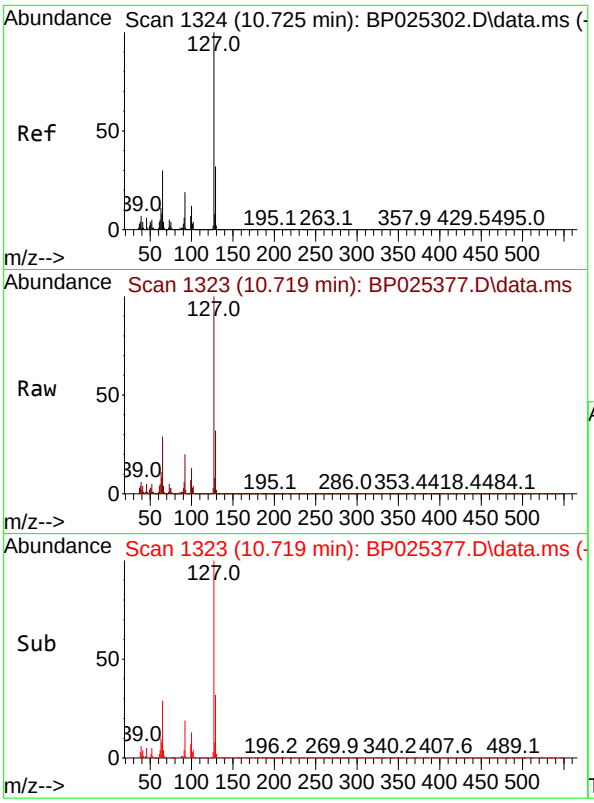


#32
Benzoic acid
Concen: 43.252 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.023 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:122 Resp: 263556

Ion	Ratio	Lower	Upper
122	100		
105	119.4	104.0	144.0
77	89.5	71.8	111.8



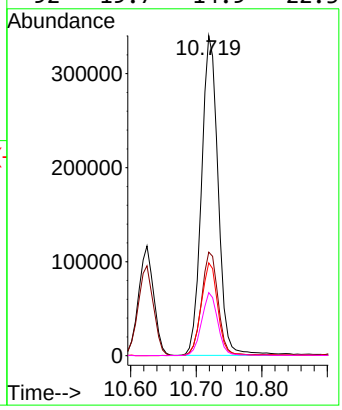


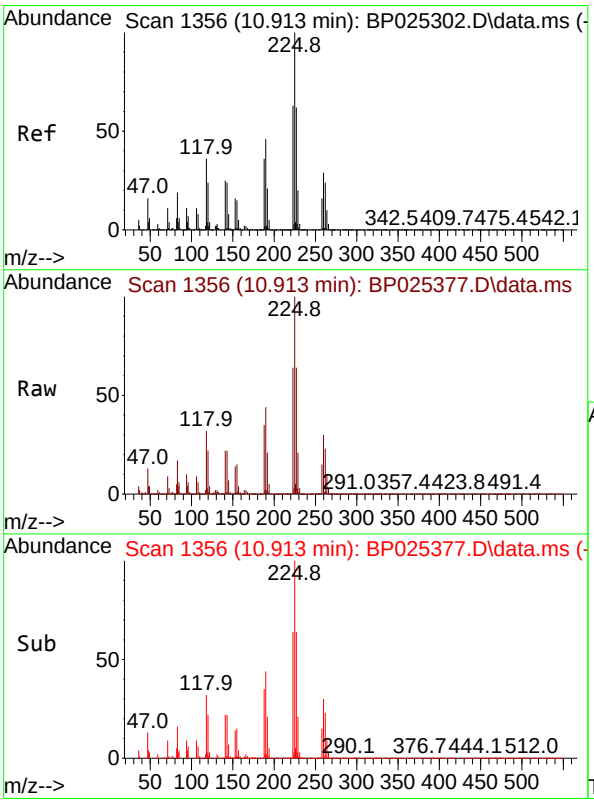
#33
4-Chloroaniline
Concen: 38.661 ng
RT: 10.719 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 601041

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	29.0	23.6	35.4
92	19.7	14.9	22.3

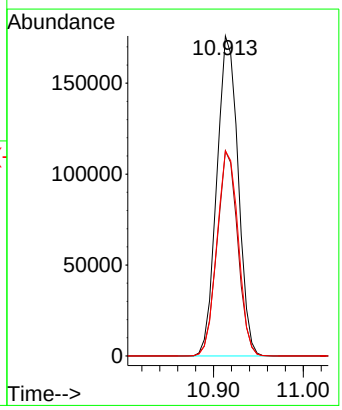


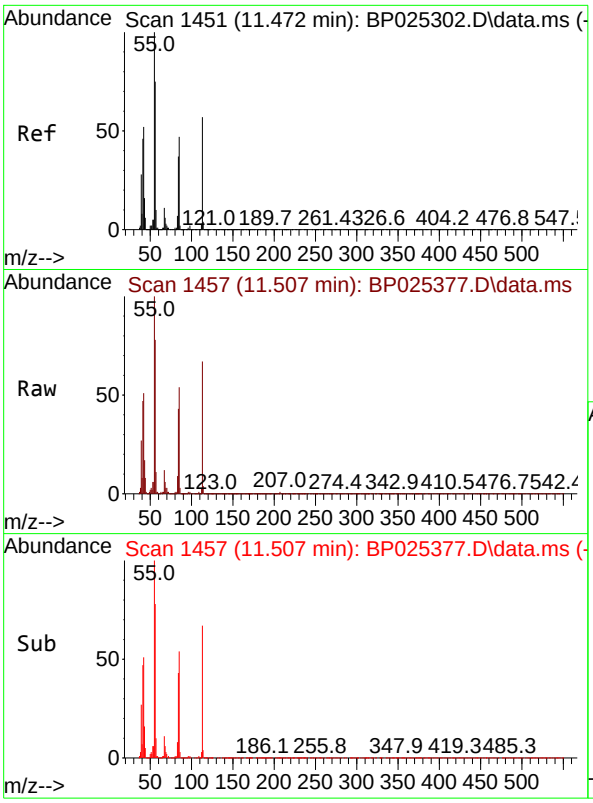


#34
Hexachlorobutadiene
Concen: 46.907 ng
RT: 10.913 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:225 Resp: 290090

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	64.1	49.7	74.5



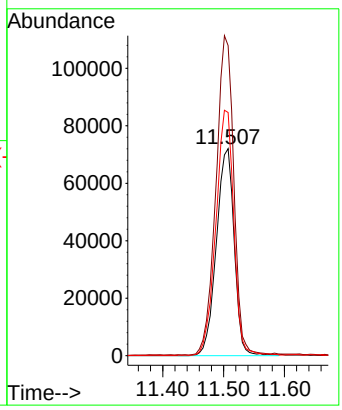


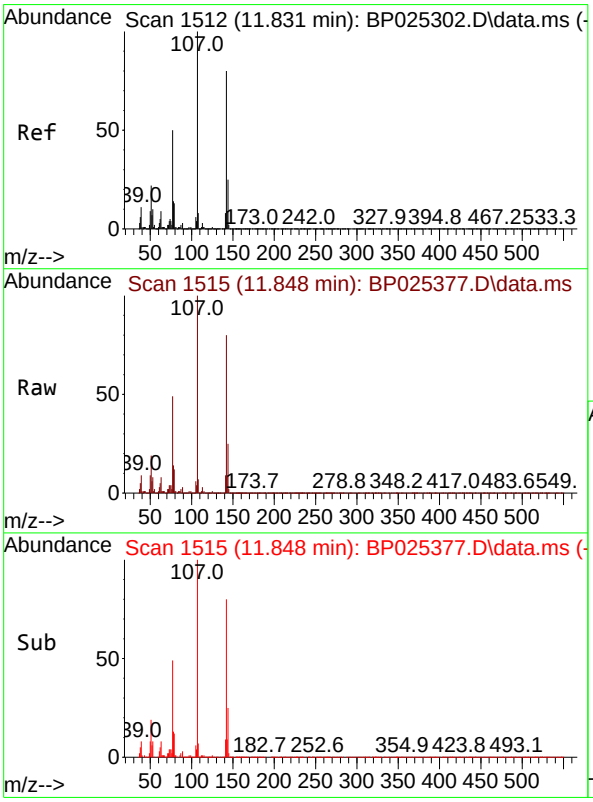
#35
Caprolactam
Concen: 38.677 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 146520

Ion	Ratio	Lower	Upper
113	100		
55	149.8	154.4	194.4#
56	117.5	110.9	150.9

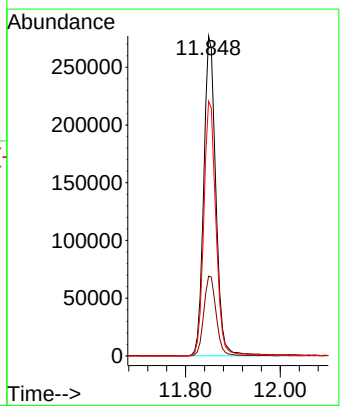


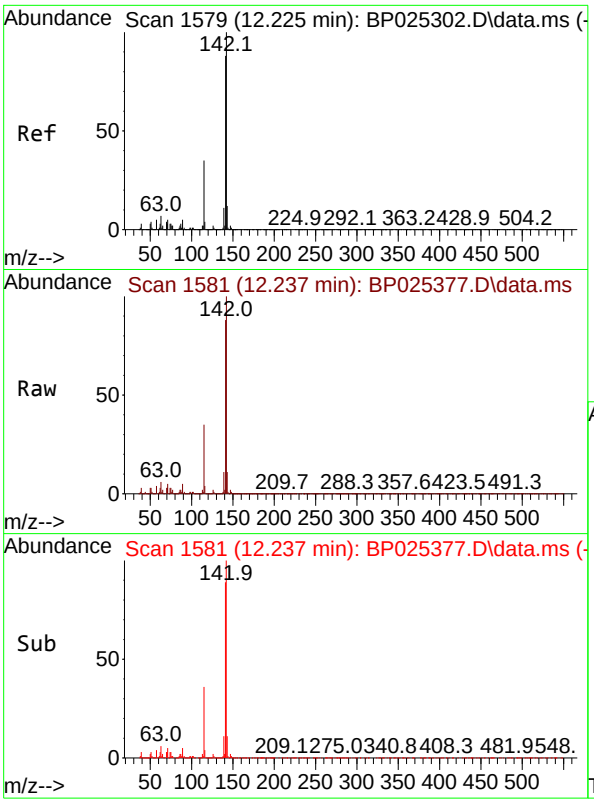


#36
4-Chloro-3-methylphenol
Concen: 43.328 ng
RT: 11.848 min Scan# 1515
Delta R.T. 0.017 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:107 Resp: 489583

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	79.6	63.7	95.5



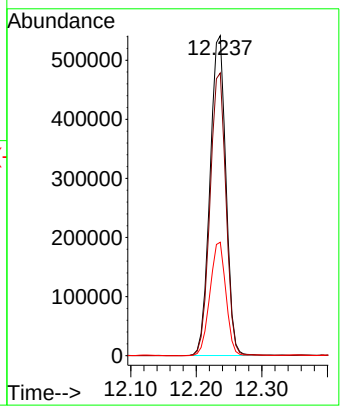


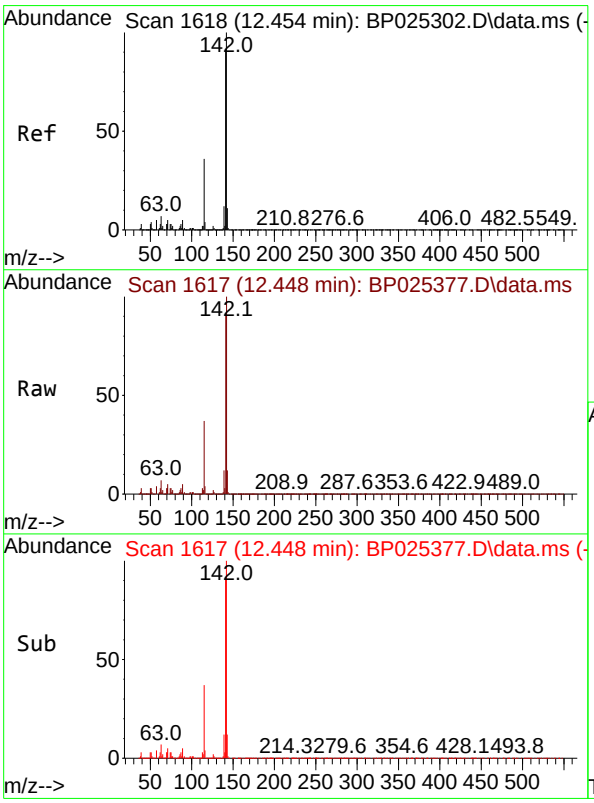
#37
2-Methylnaphthalene
Concen: 40.333 ng
RT: 12.237 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 912525

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6
115	35.5	28.0	42.0

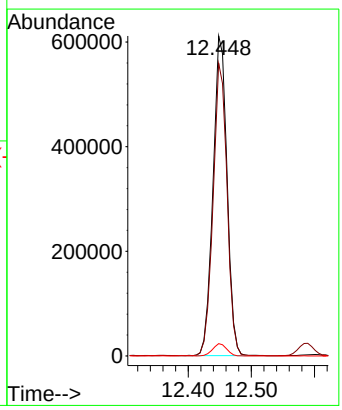


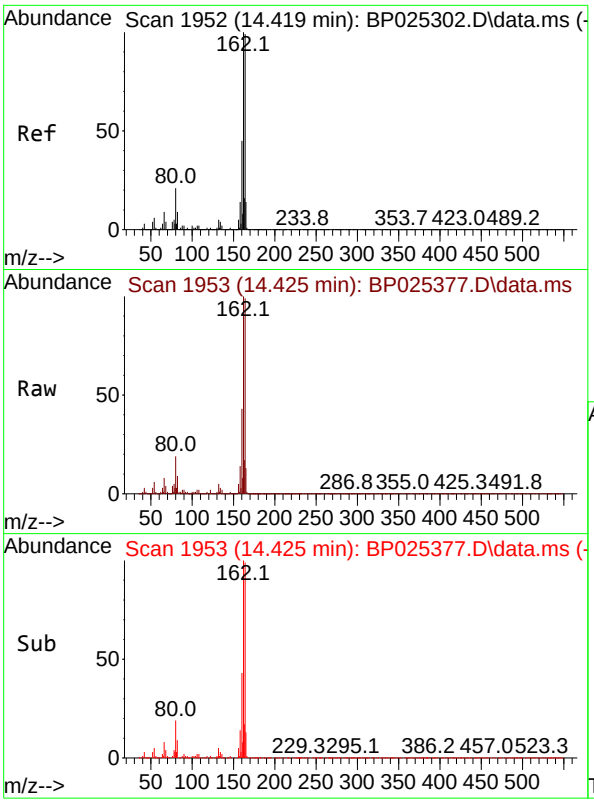


#38
1-Methylnaphthalene
Concen: 39.898 ng
RT: 12.448 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:142 Resp: 941888

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.6
116	3.8	3.0	4.6



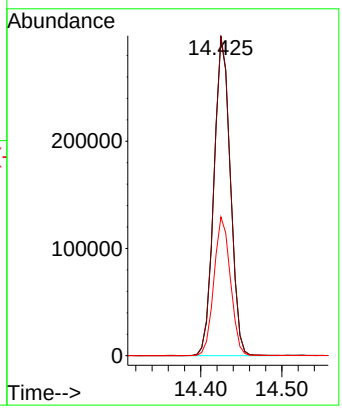


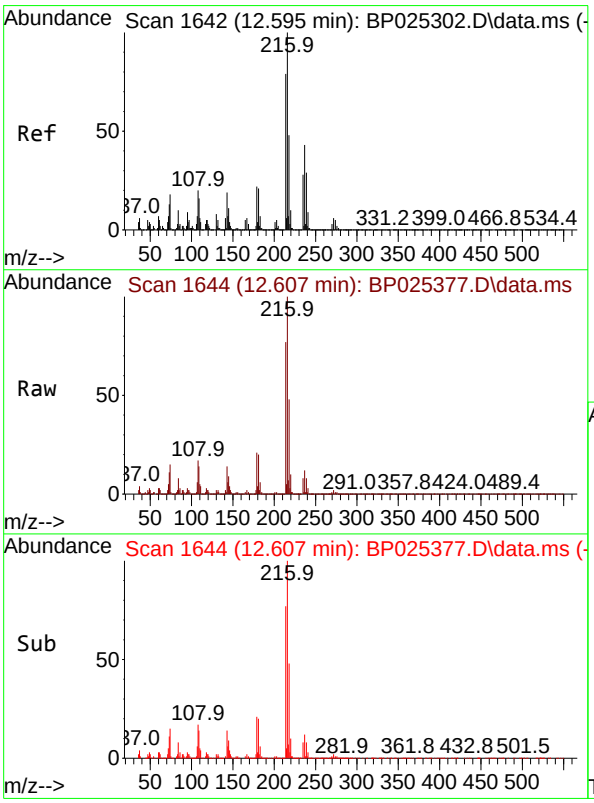
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.425 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 416841

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	43.8	35.9	53.9

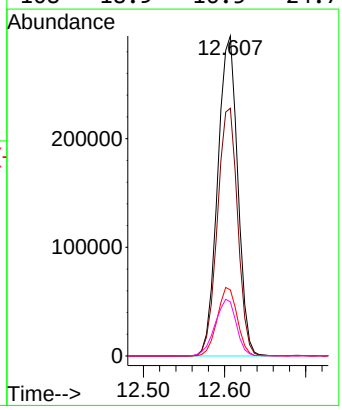


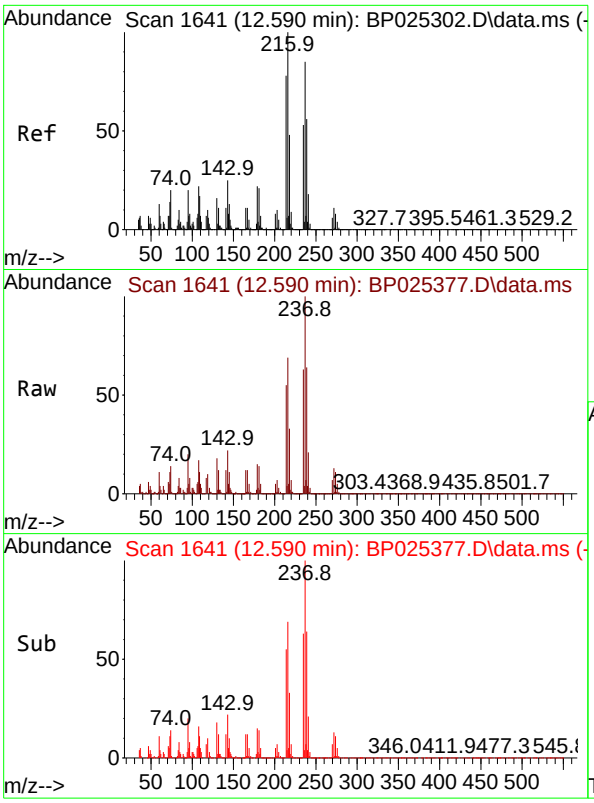


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.455 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:216 Resp: 505917

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.4	93.6
179	21.4	17.5	26.3
108	18.9	16.5	24.7



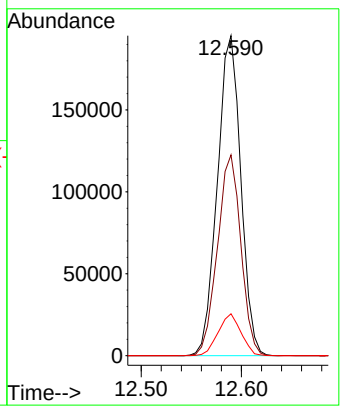


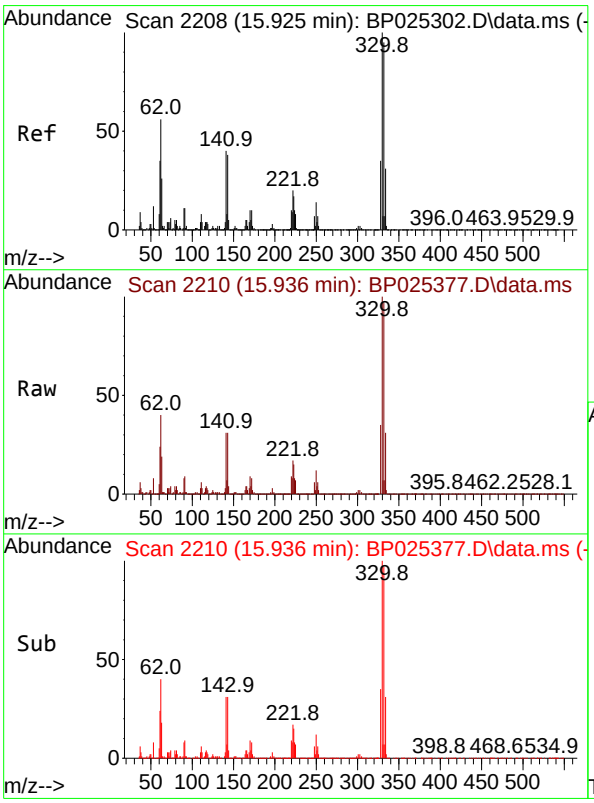
#41
Hexachlorocyclopentadiene
Concen: 45.169 ng
RT: 12.590 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 317262

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.2	82.2
272	13.1	0.0	32.8

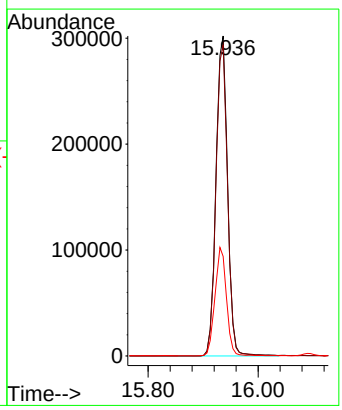


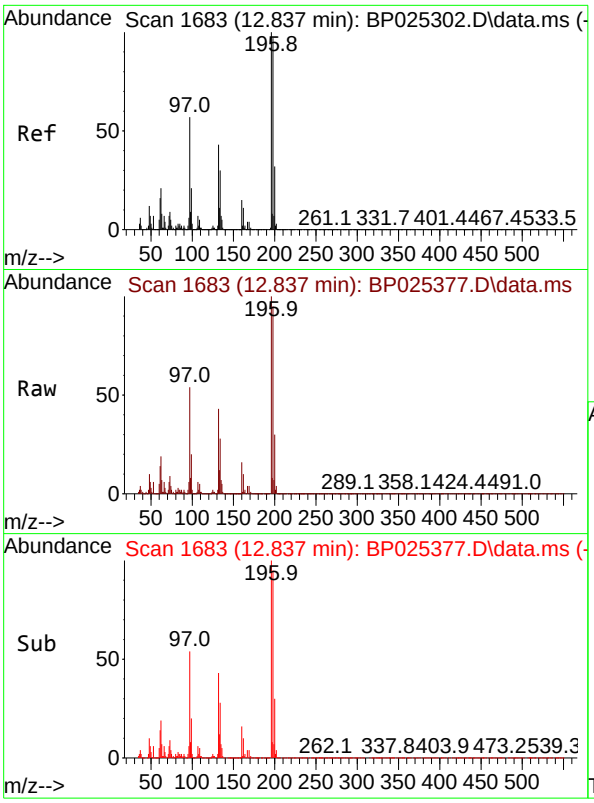


#42
2,4,6-Tribromophenol
Concen: 106.478 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:330 Resp: 442787

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	33.7	31.7	47.5



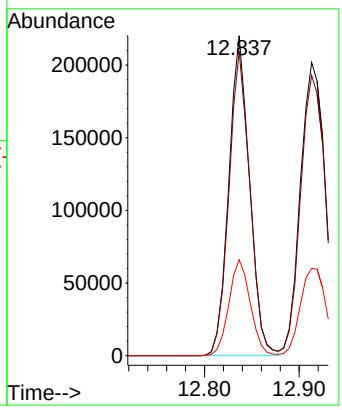


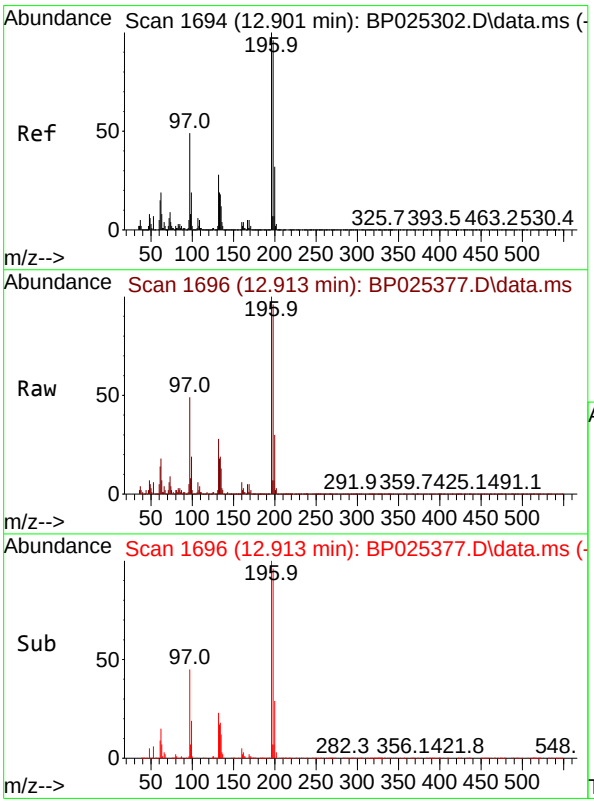
#43
2,4,6-Trichlorophenol
Concen: 45.667 ng
RT: 12.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 335726

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.3	115.9
200	30.0	25.4	38.2

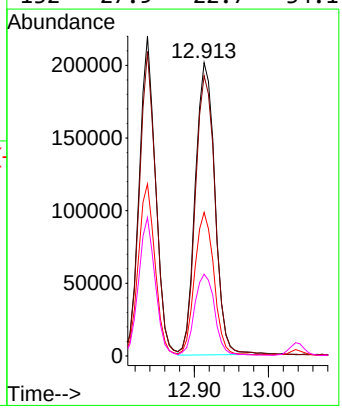


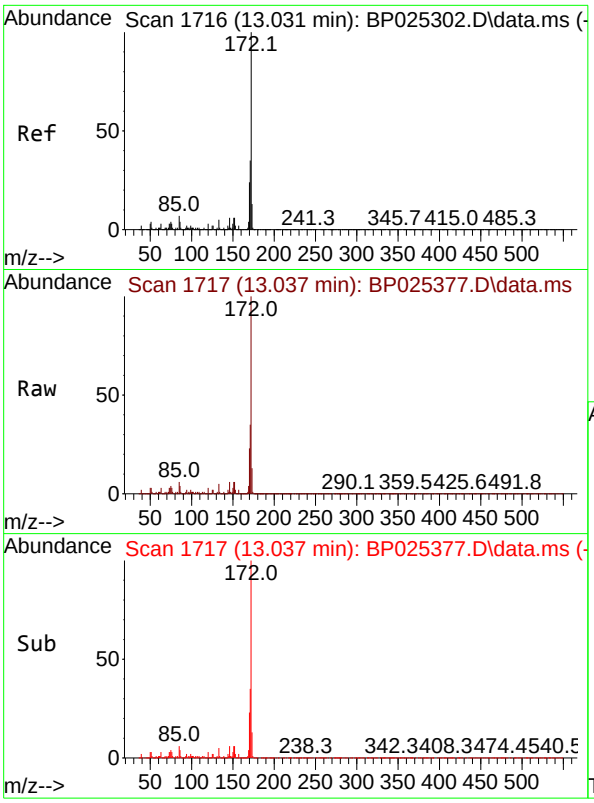


#44
2,4,5-Trichlorophenol
Concen: 44.979 ng
RT: 12.913 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:196 Resp: 370942

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	114.8
97	48.9	39.5	59.3
132	27.9	22.7	34.1



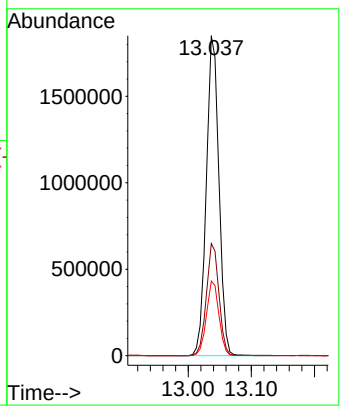


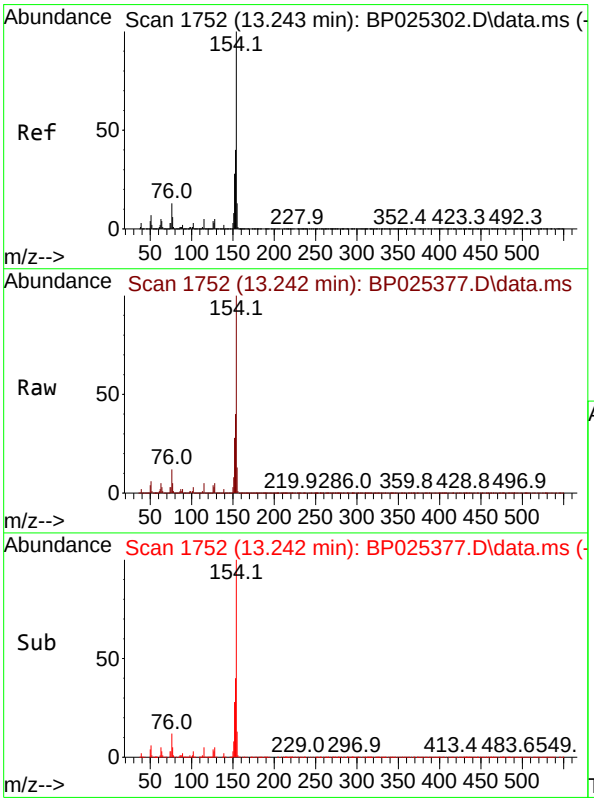
#45
2-Fluorobiphenyl
Concen: 85.341 ng
RT: 13.037 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2575530

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	23.3	18.9	28.3

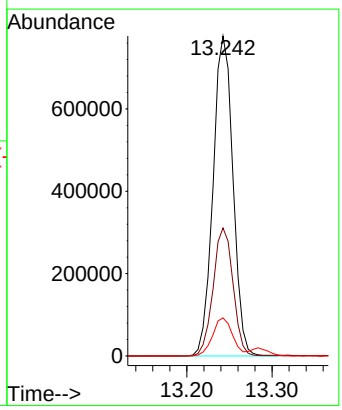


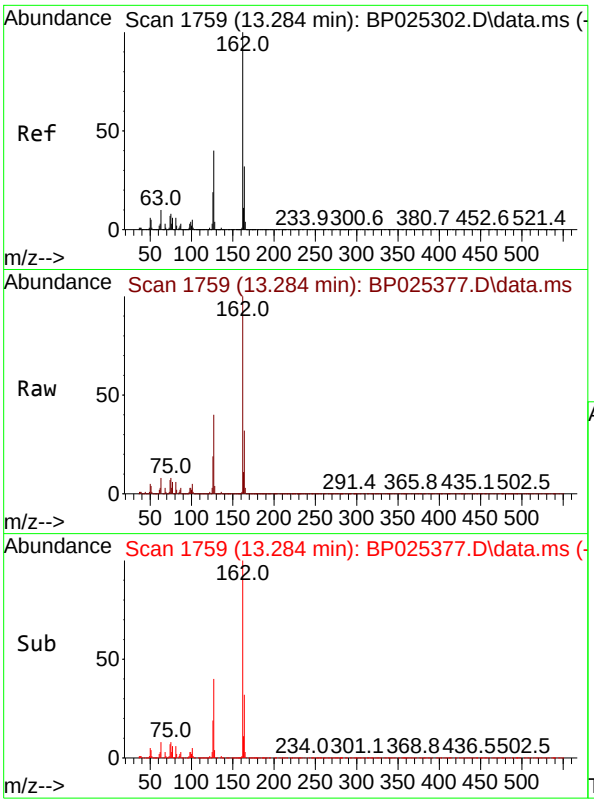


#46
1,1'-Biphenyl
Concen: 41.092 ng
RT: 13.242 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:154 Resp: 1262313

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.9	59.9
76	11.9	0.0	33.2



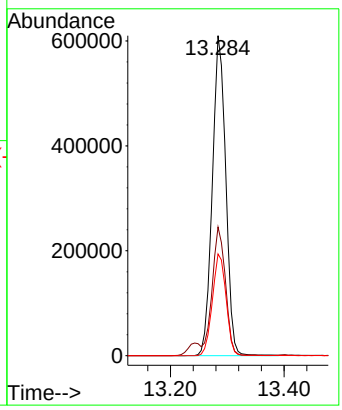


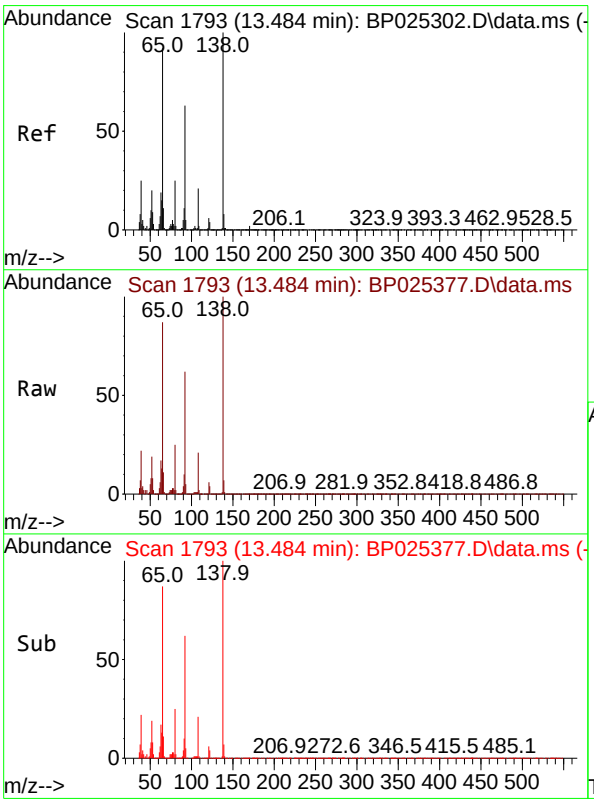
#47
2-Chloronaphthalene
Concen: 42.622 ng
RT: 13.284 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 998894

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	31.8	25.9	38.9

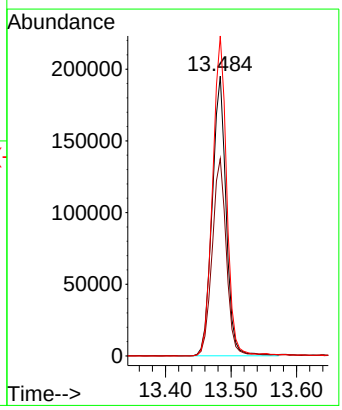


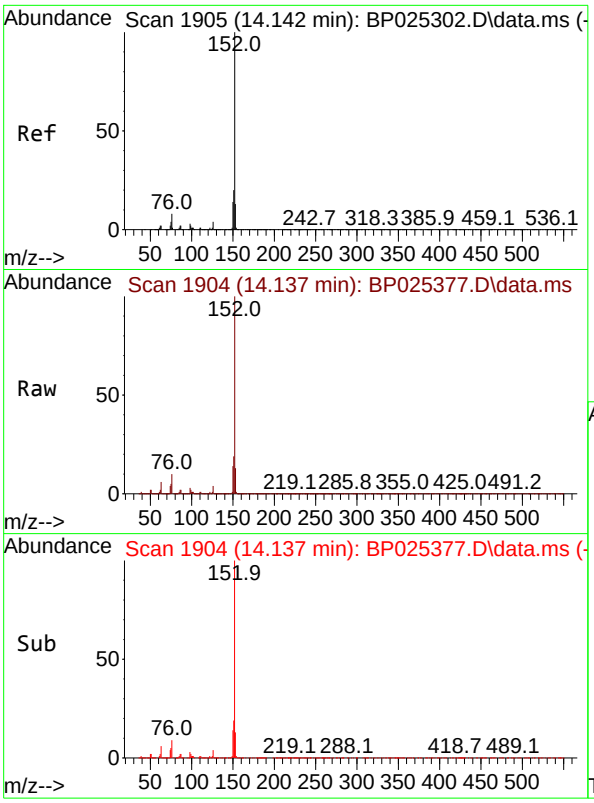


#48
2-Nitroaniline
Concen: 42.432 ng
RT: 13.484 min Scan# 1793
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion: 65 Resp: 288791

Ion	Ratio	Lower	Upper
65	100		
92	70.5	54.4	81.6
138	114.4	87.0	130.4



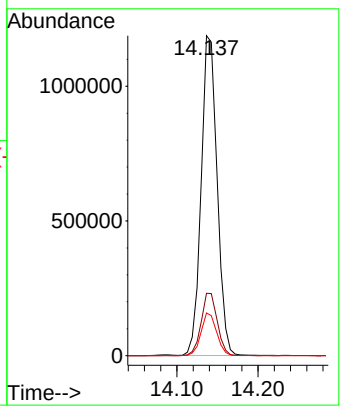


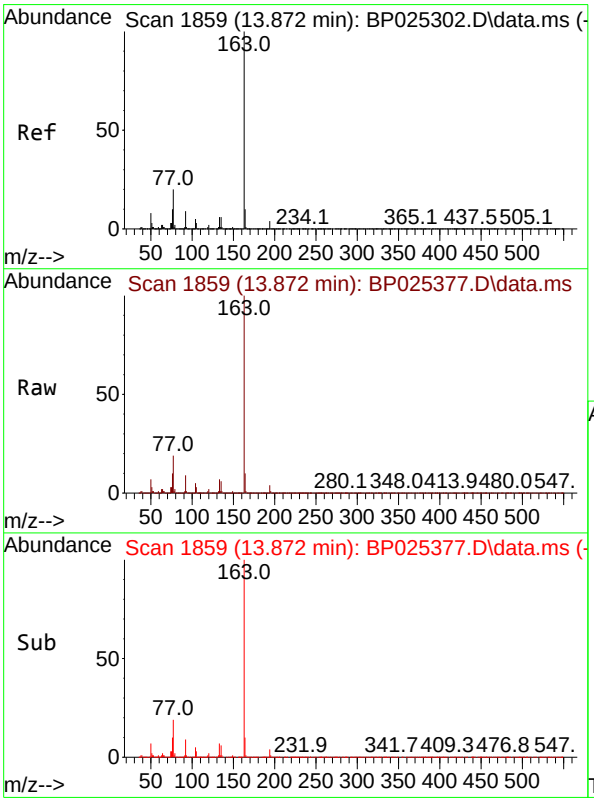
#49
Acenaphthylene
Concen: 41.408 ng
RT: 14.137 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1618764

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.3	10.4	15.6

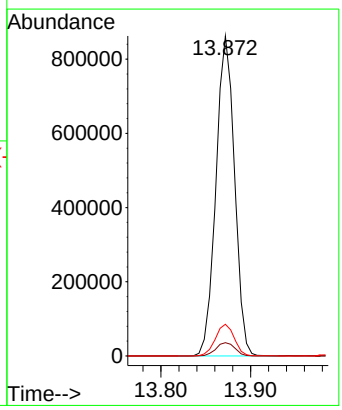


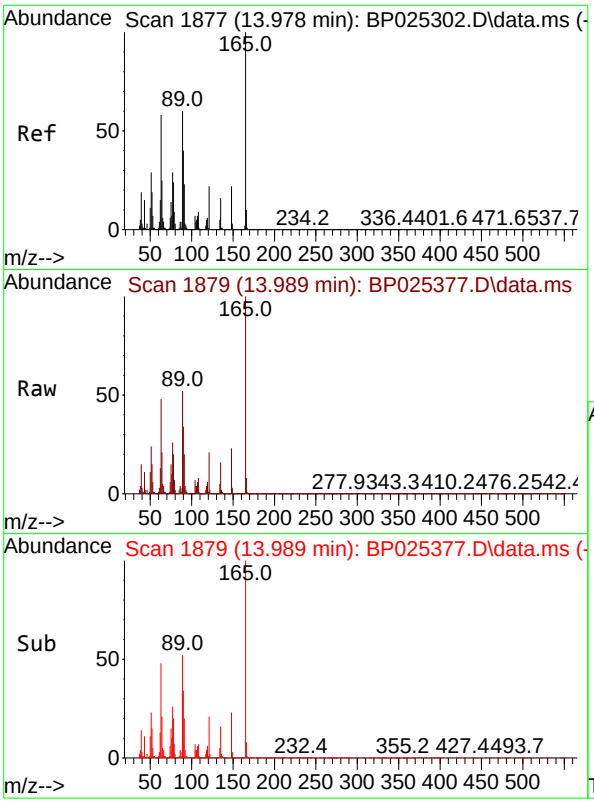


#50
Dimethylphthalate
Concen: 40.865 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:163 Resp: 1241763

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.0	12.0



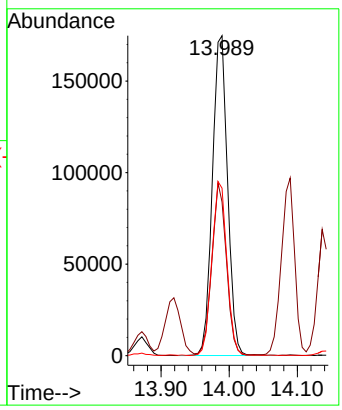


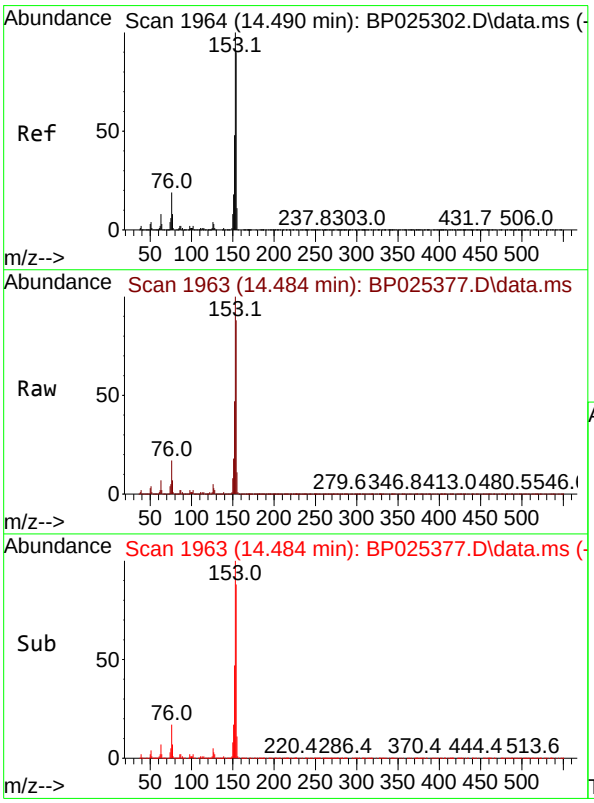
#51
2,6-Dinitrotoluene
Concen: 48.334 ng
RT: 13.989 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 270913

Ion	Ratio	Lower	Upper
165	100		
63	48.1	47.6	71.4
89	52.4	47.8	71.8

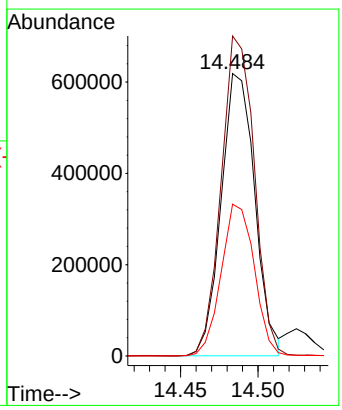


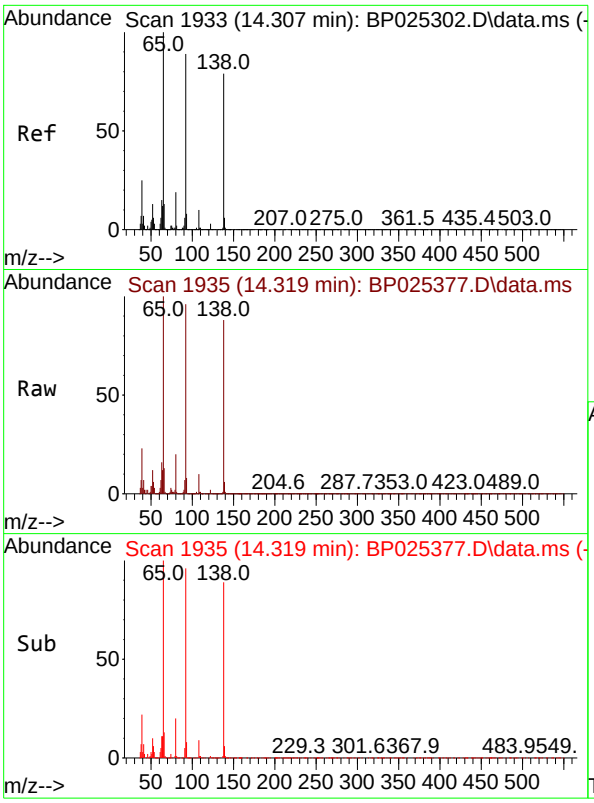


#52
Acenaphthene
Concen: 39.201 ng
RT: 14.484 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:154 Resp: 934768

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.4	134.0
152	53.7	43.0	64.6



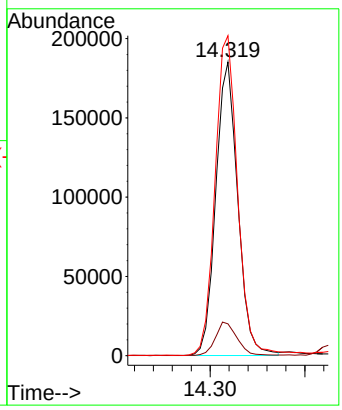


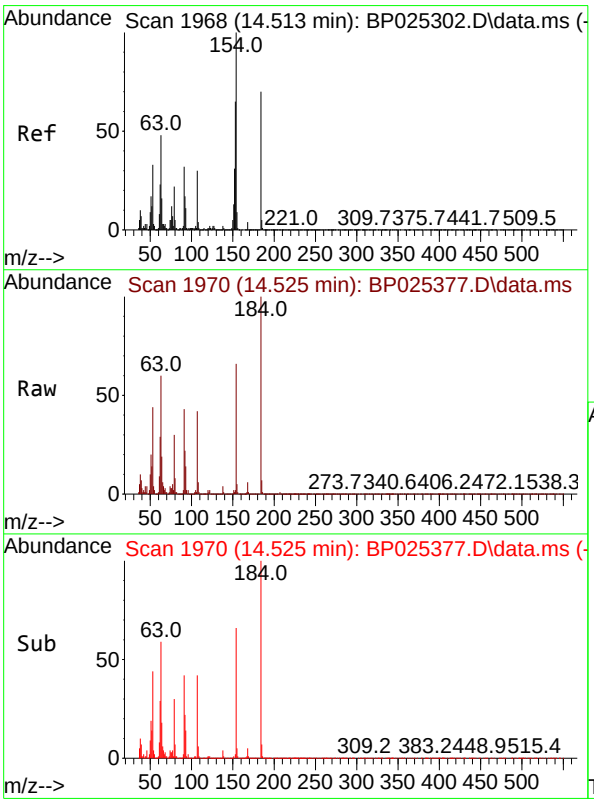
#53
3-Nitroaniline
Concen: 45.480 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 298286

Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.5	15.7
92	109.0	90.9	136.3

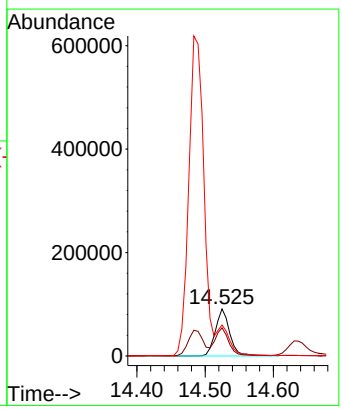


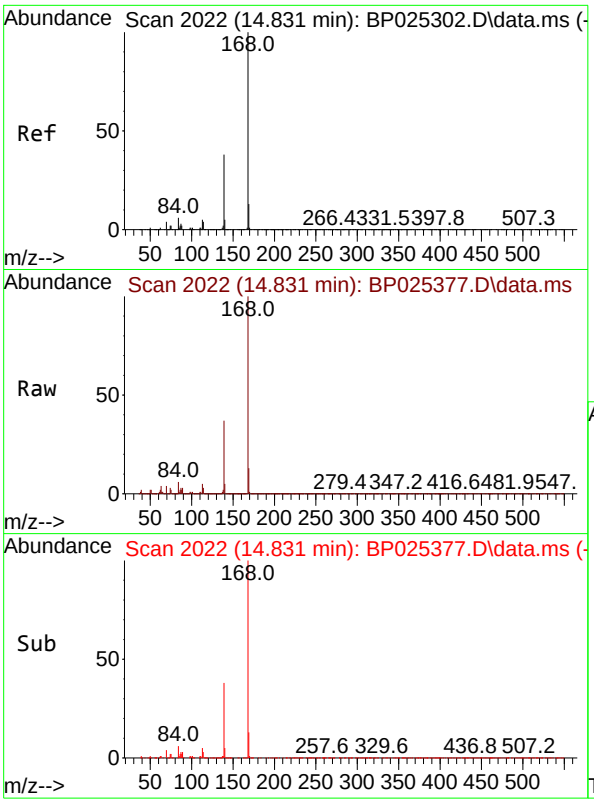


#54
2,4-Dinitrophenol
Concen: 53.765 ng
RT: 14.525 min Scan# 1970
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:184 Resp: 133103

Ion	Ratio	Lower	Upper
184	100		
63	59.9	56.3	84.5
154	65.8	124.5	186.7#



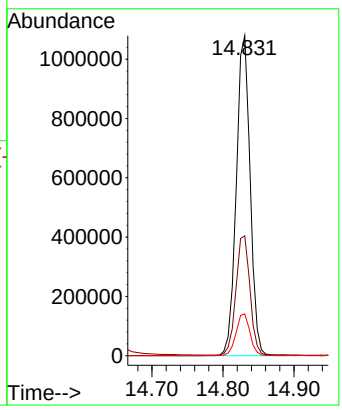


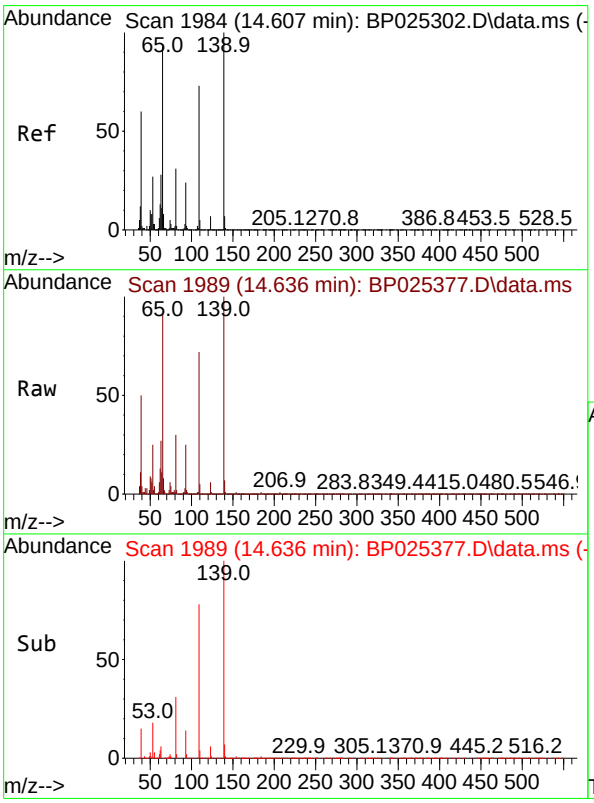
#55
Dibenzofuran
Concen: 41.132 ng
RT: 14.831 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1465683

Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.5	45.7
169	13.1	10.6	15.8

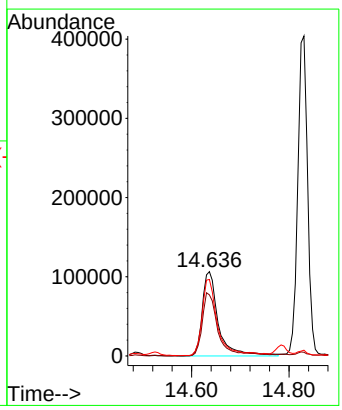


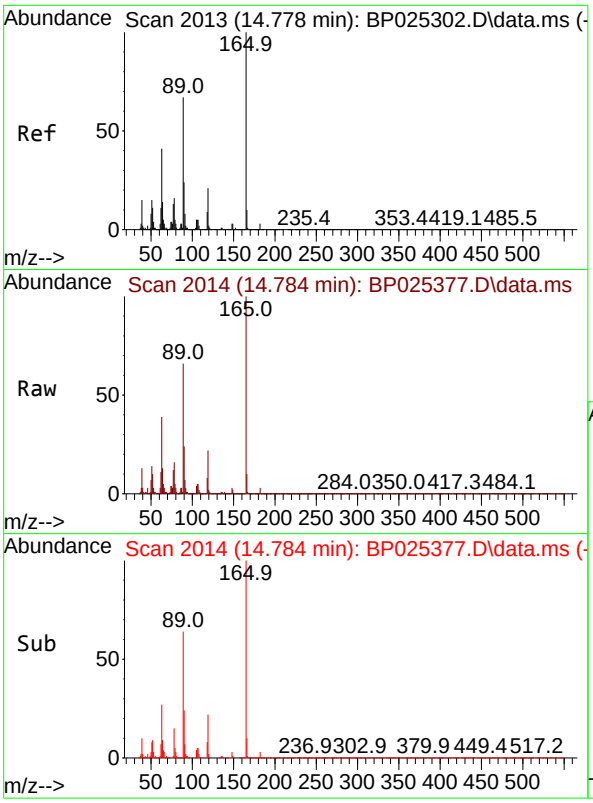


#56
4-Nitrophenol
Concen: 42.183 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:139 Resp: 244171

Ion	Ratio	Lower	Upper
139	100		
109	72.4	52.7	92.7
65	90.7	73.4	113.4



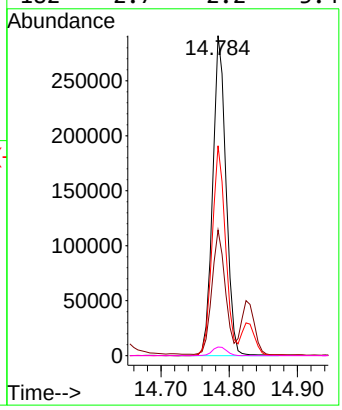


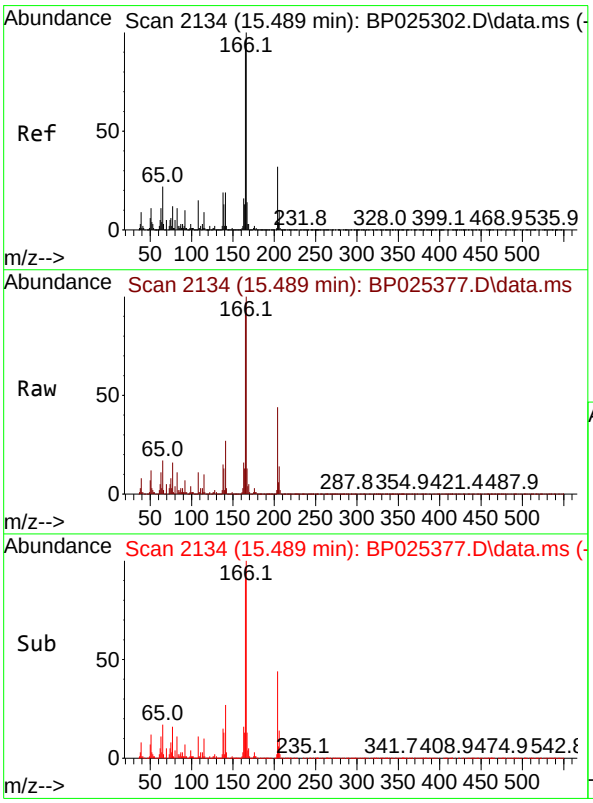
#57
2,4-Dinitrotoluene
Concen: 45.658 ng
RT: 14.784 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 395234

Ion	Ratio	Lower	Upper
165	100		
63	39.3	33.2	49.8
89	65.6	53.5	80.3
182	2.7	2.2	3.4

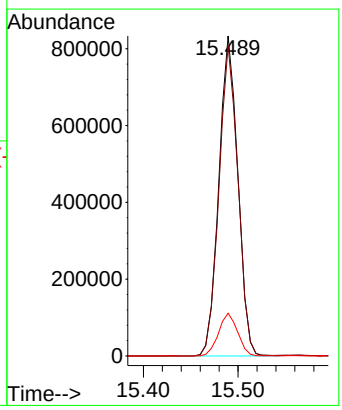


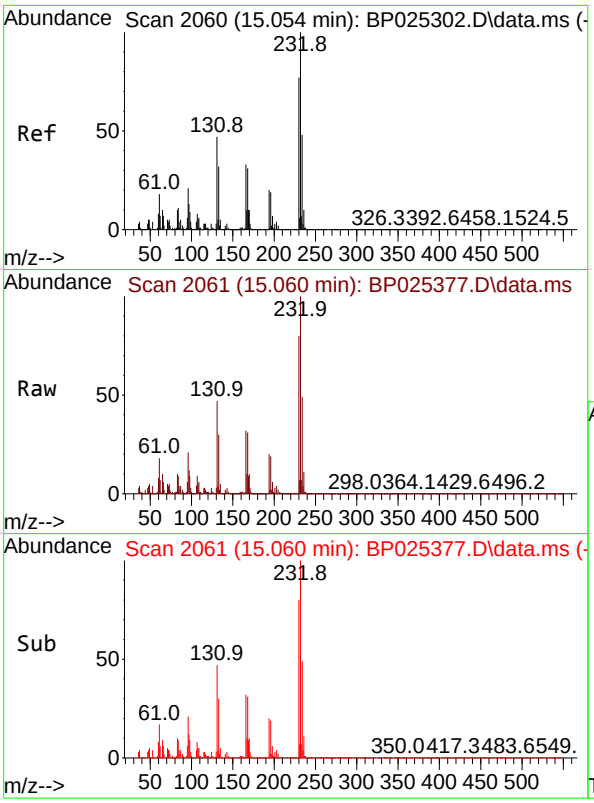


#58
Fluorene
Concen: 41.489 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:166 Resp: 1161174

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.7	115.1
167	13.4	10.9	16.3



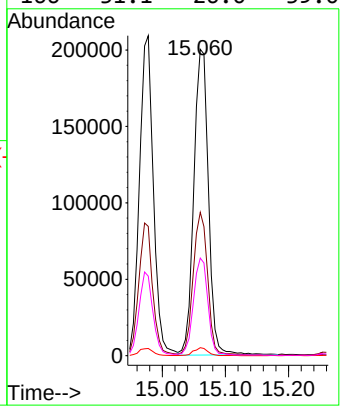


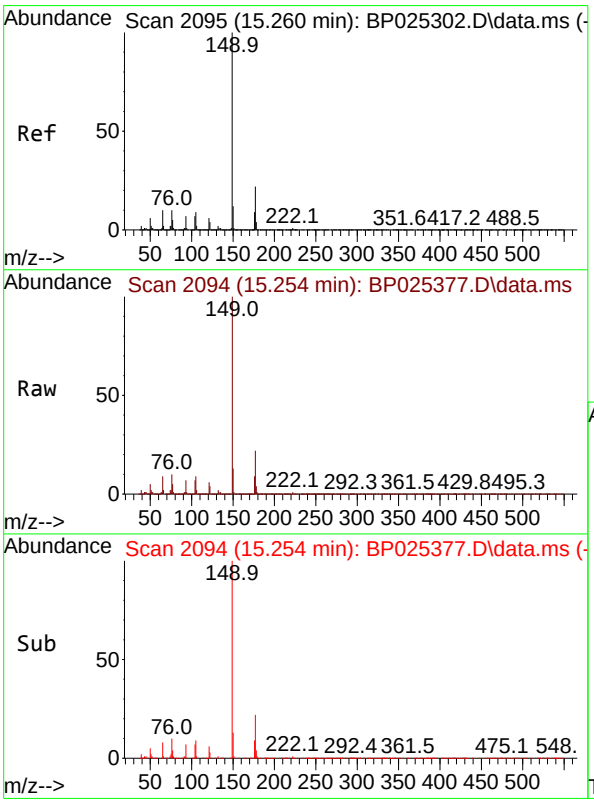
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.722 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 321863

Ion	Ratio	Lower	Upper
232	100		
131	46.0	39.3	58.9
130	2.4	2.2	3.2
166	31.1	26.0	39.0

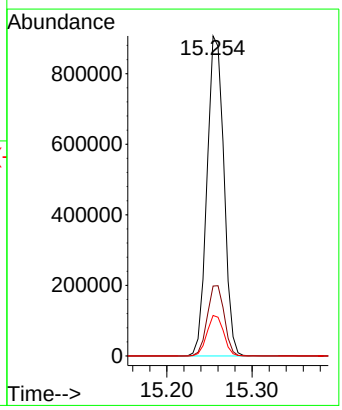


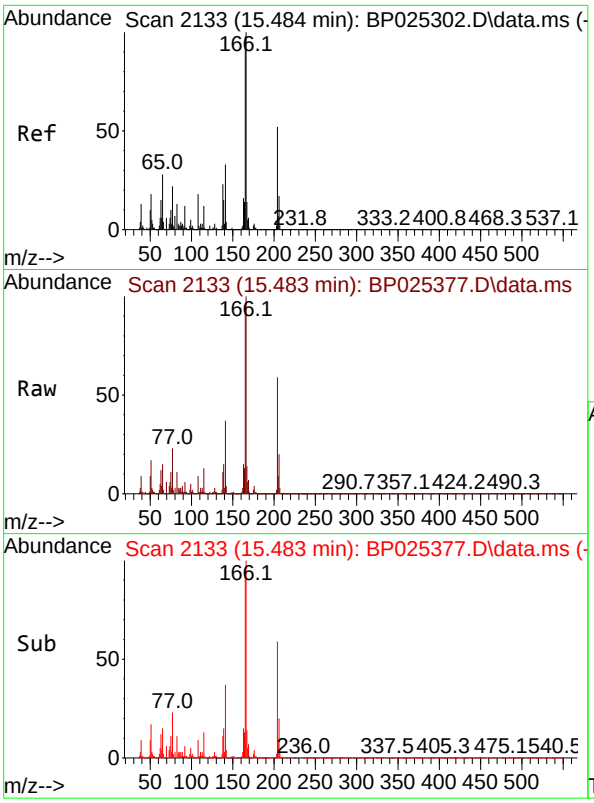


#60
Diethylphthalate
Concen: 40.555 ng
RT: 15.254 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1242433

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.7	9.8	14.8



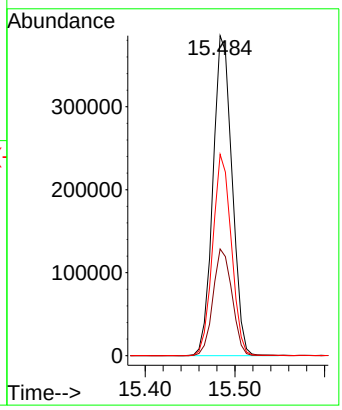


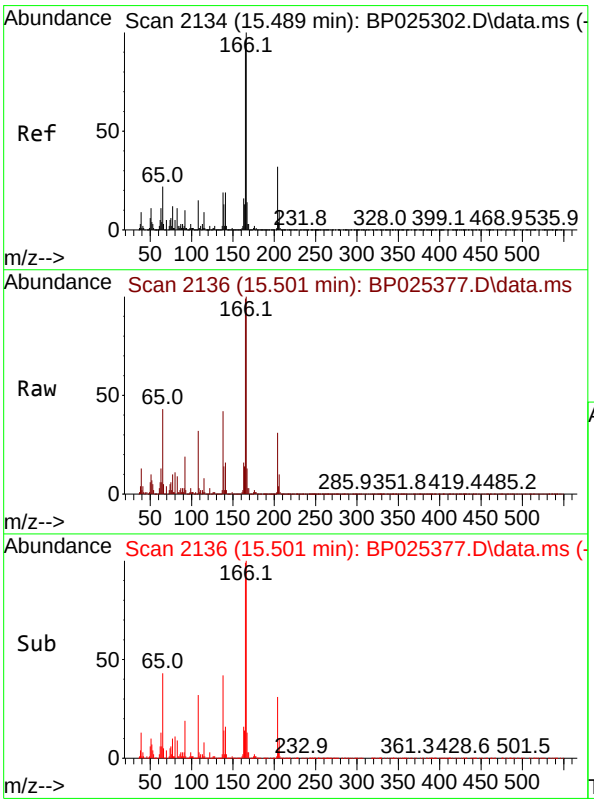
#61
4-Chlorophenyl-phenylether
Concen: 43.008 ng
RT: 15.483 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 570645

Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.0	40.4
141	62.9	50.3	75.5

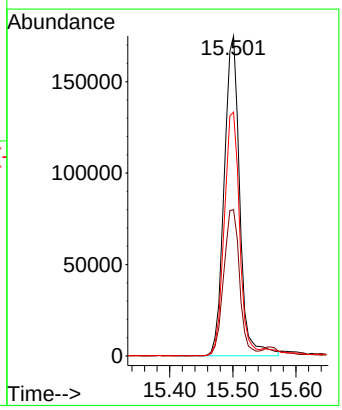


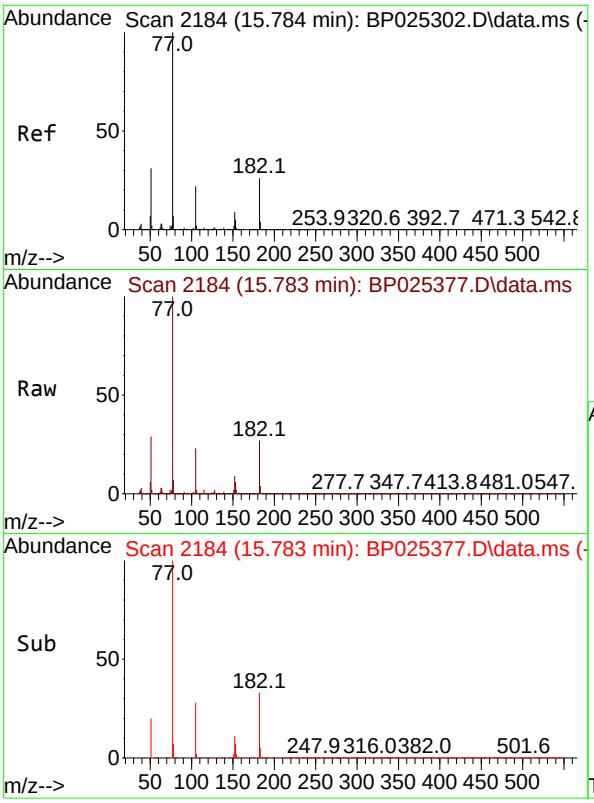


#62
4-Nitroaniline
Concen: 45.895 ng
RT: 15.501 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:138 Resp: 298255

Ion	Ratio	Lower	Upper
138	100		
92	45.7	29.8	69.8
108	76.2	56.6	96.6



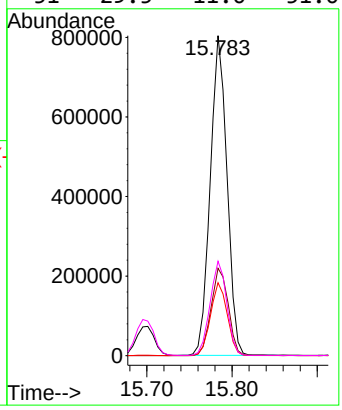


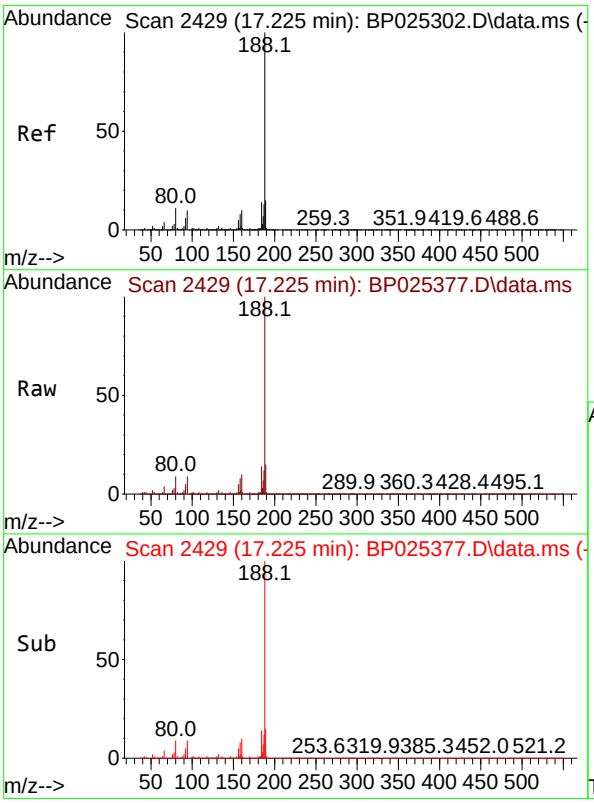
#63
Azobenzene
Concen: 38.553 ng
RT: 15.783 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1097228

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.0	46.0
105	22.8	2.1	42.1
51	29.5	11.0	51.0

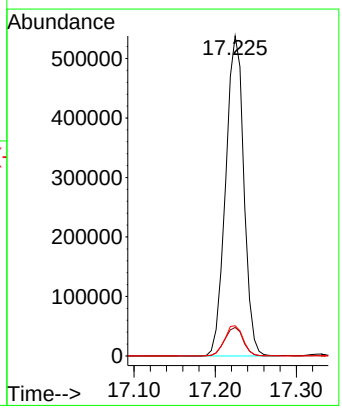


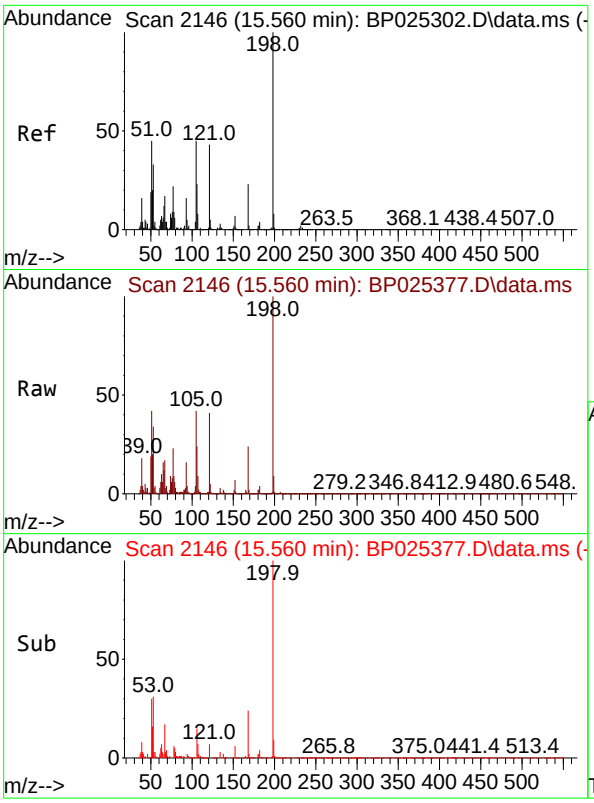


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:188 Resp: 836446

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.4	8.5	12.7



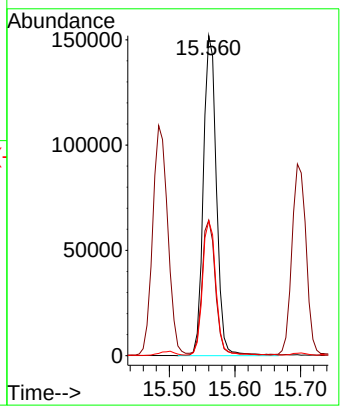


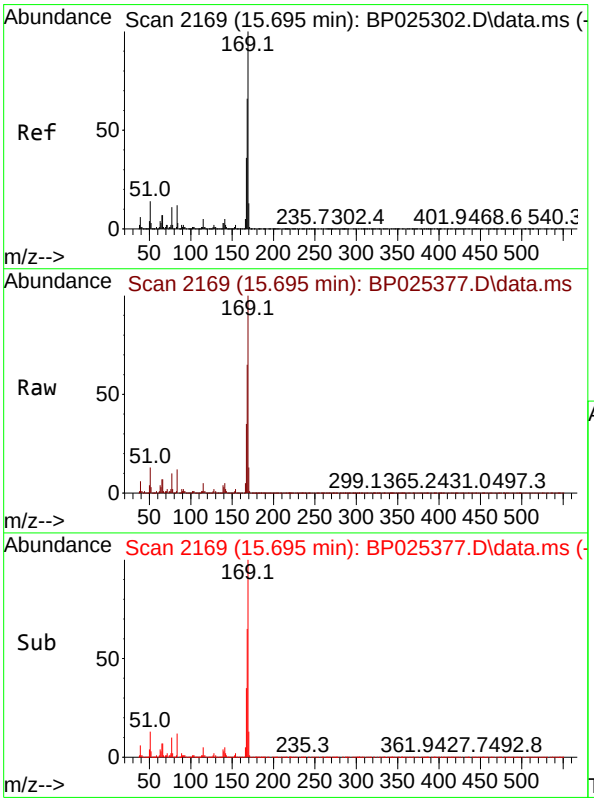
#65
4,6-Dinitro-2-methylphenol
Concen: 54.377 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 211611

Ion	Ratio	Lower	Upper
198	100		
51	42.4	26.7	66.7
105	42.1	25.6	65.6

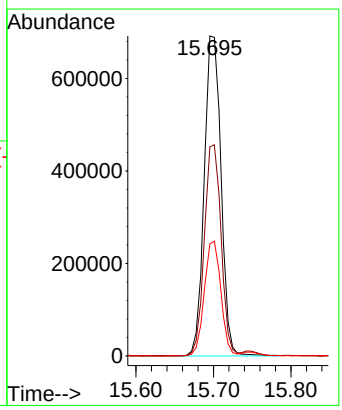


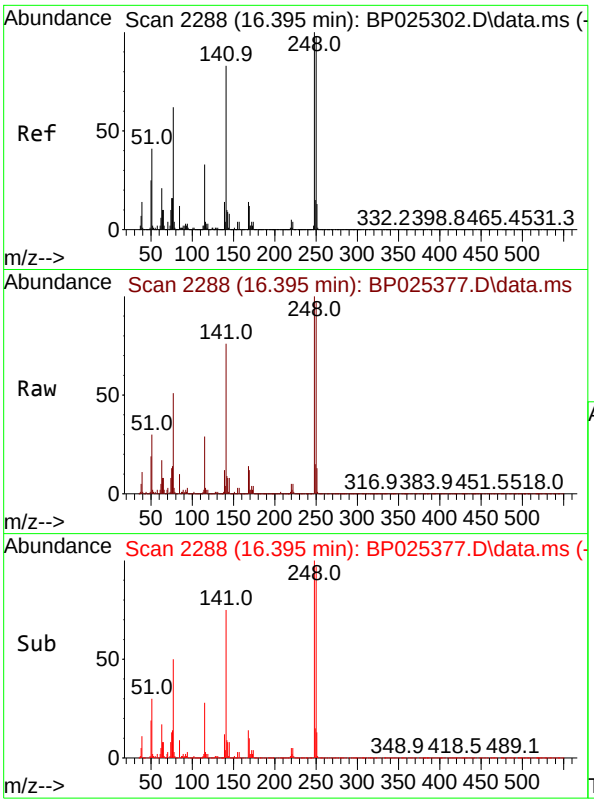


#66
n-Nitrosodiphenylamine
Concen: 40.950 ng
RT: 15.695 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:169 Resp: 1042925

Ion	Ratio	Lower	Upper
169	100		
168	65.3	52.8	79.2
167	35.1	28.5	42.7



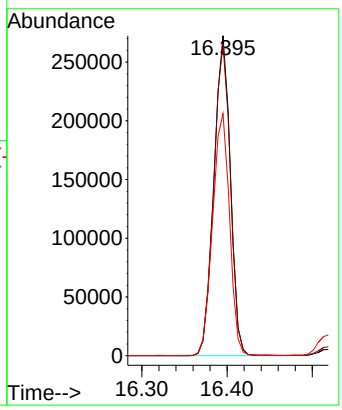


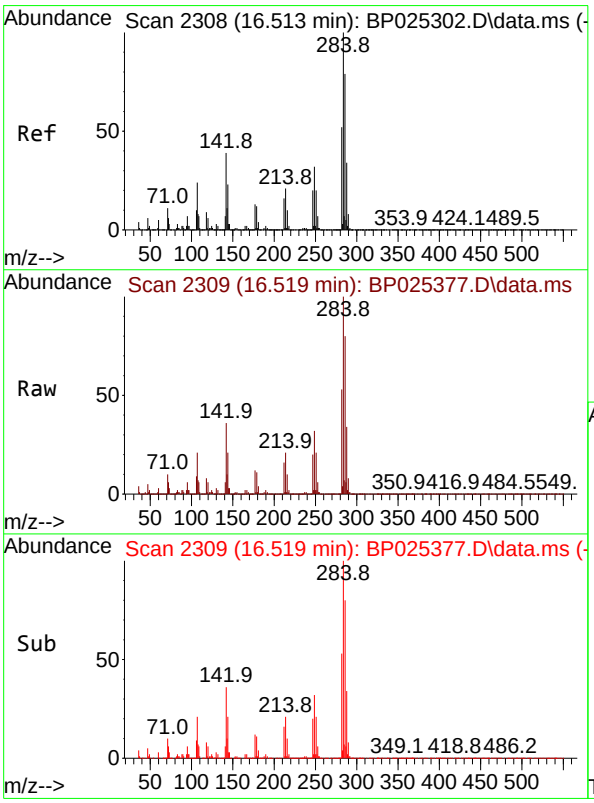
#67
4-Bromophenyl-phenylether
Concen: 43.673 ng
RT: 16.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 367555

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.6	117.8
141	75.7	66.6	99.8

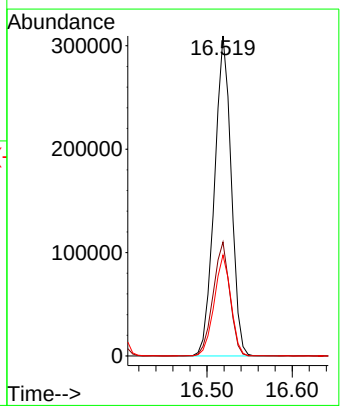


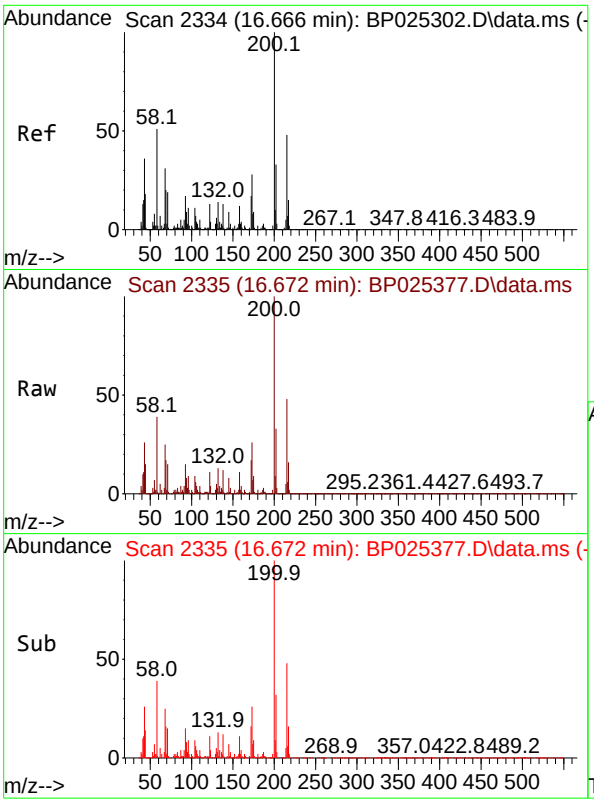


#68
Hexachlorobenzene
Concen: 44.825 ng
RT: 16.519 min Scan# 2309
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:284 Resp: 423300

Ion	Ratio	Lower	Upper
284	100		
142	35.6	30.8	46.2
249	31.6	25.4	38.0



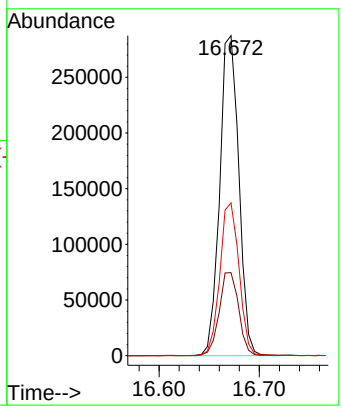


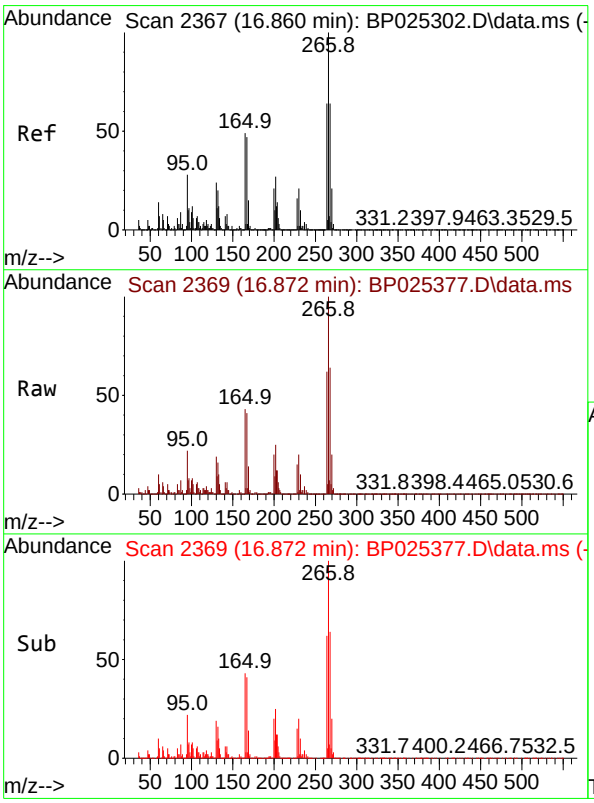
#69
Atrazine
Concen: 42.405 ng
RT: 16.672 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 379801

Ion	Ratio	Lower	Upper
200	100		
173	26.0	8.2	48.2
215	47.8	28.1	68.1

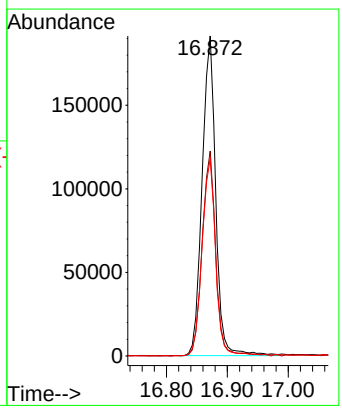


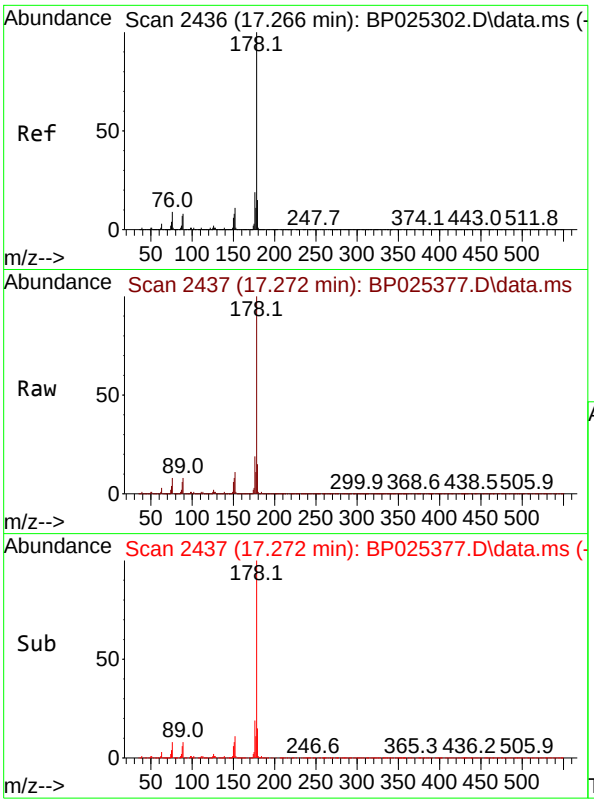


#70
Pentachlorophenol
Concen: 49.549 ng
RT: 16.872 min Scan# 2369
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:266 Resp: 298109

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.0
264	61.6	51.1	76.7



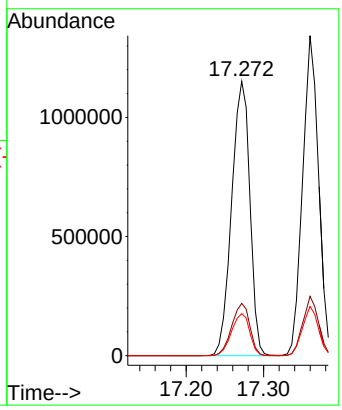


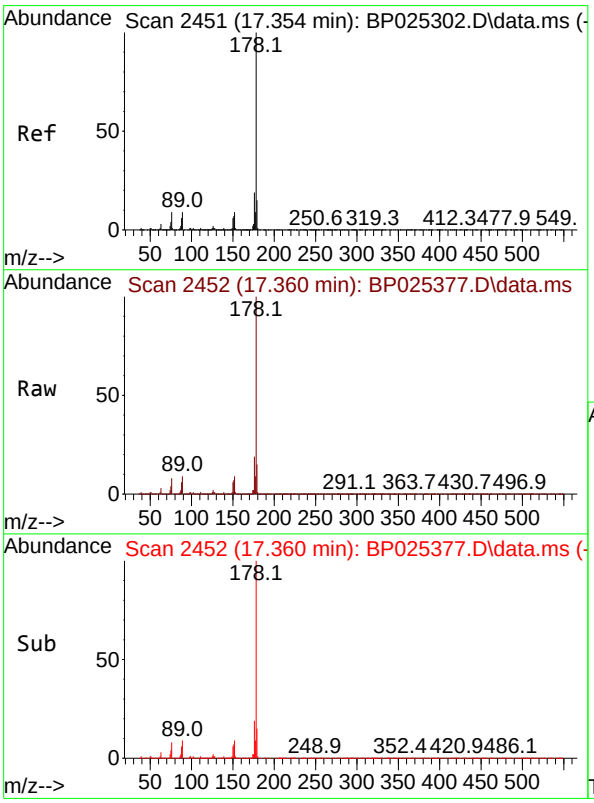
#71
Phenanthrene
Concen: 41.178 ng
RT: 17.272 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1886510

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.3	12.1	18.1

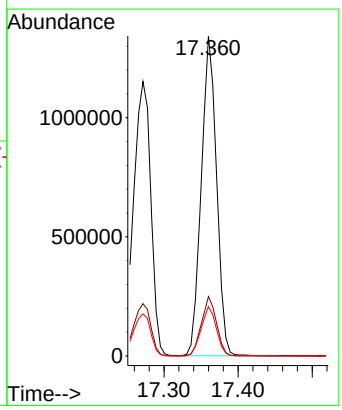


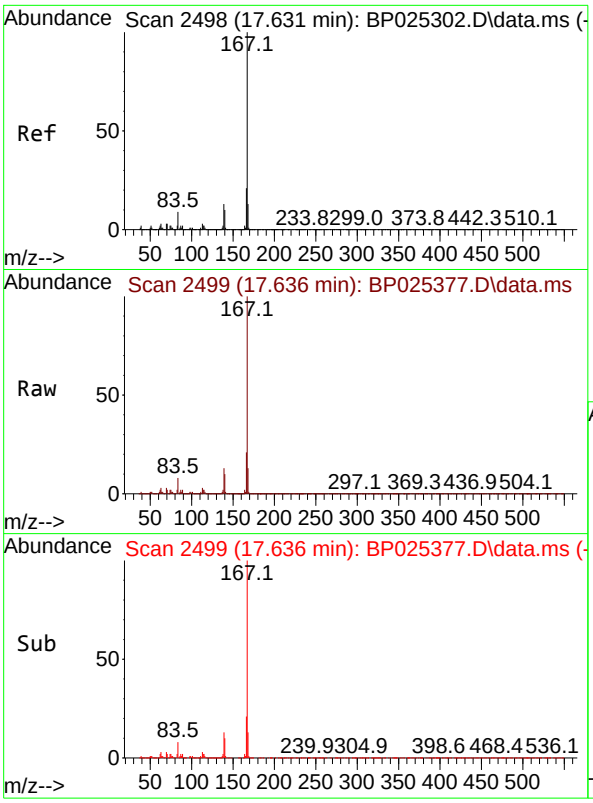


#72
Anthracene
Concen: 41.693 ng
RT: 17.360 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:178 Resp: 1925956

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.3	18.5



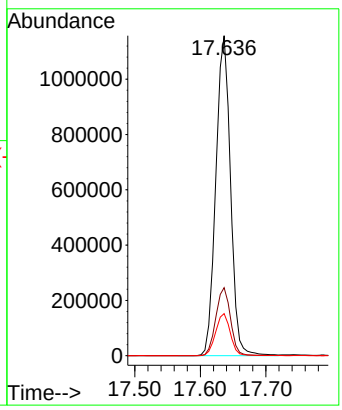


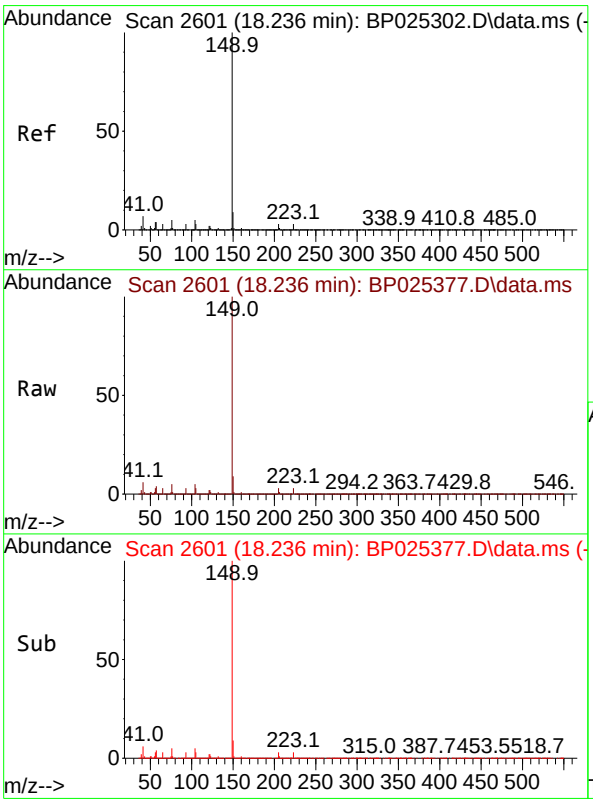
#73
Carbazole
Concen: 40.403 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1791533

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.2	10.6	16.0

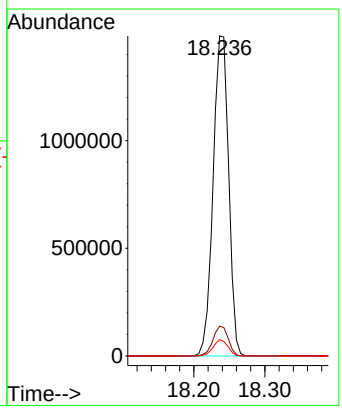


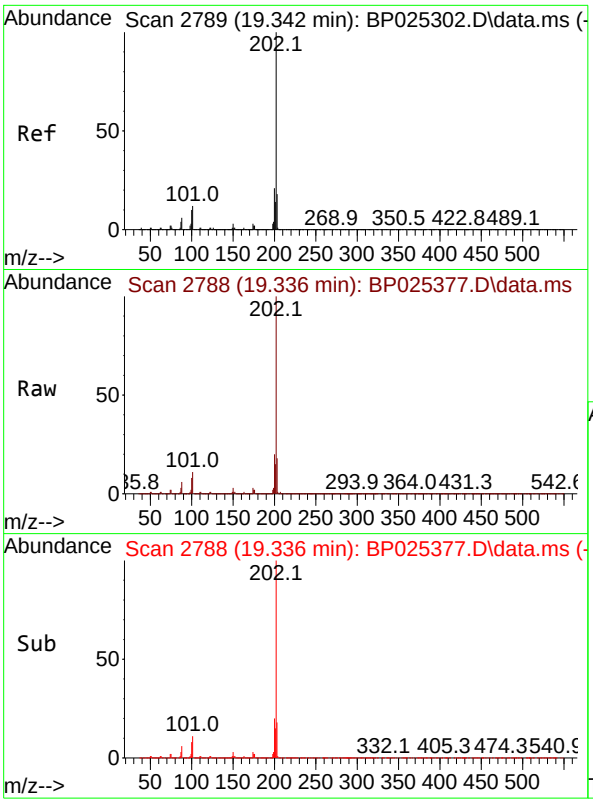


#74
Di-n-butylphthalate
Concen: 41.912 ng
RT: 18.236 min Scan# 2601
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 2248337

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.1	4.1	6.1



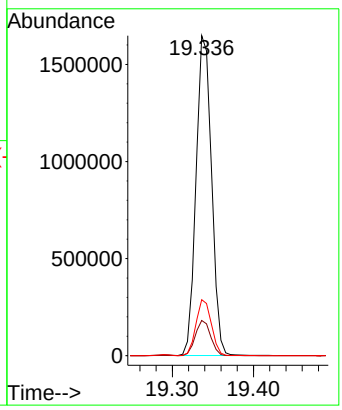


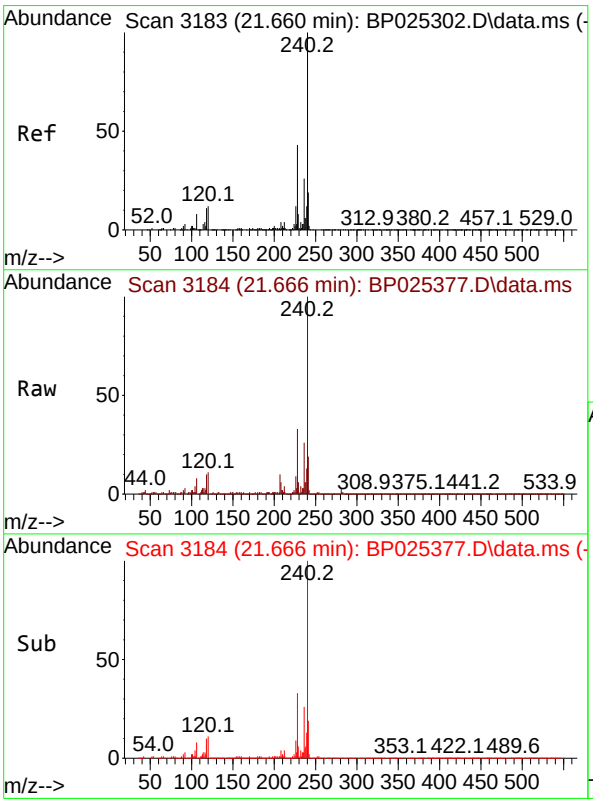
#75
Fluoranthene
Concen: 41.272 ng
RT: 19.336 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2188836

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.5
203	17.5	0.0	37.6

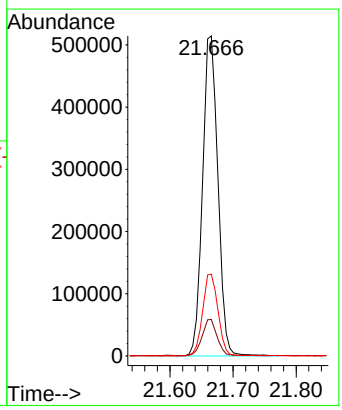


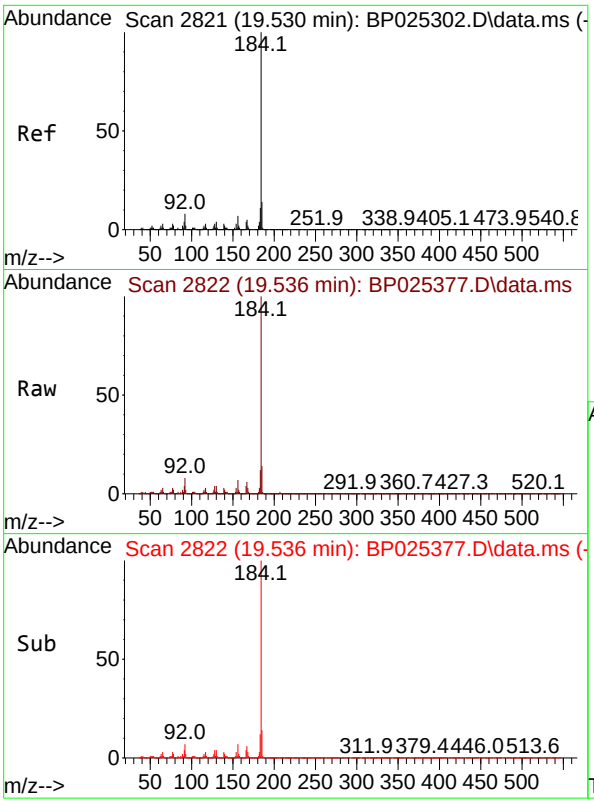


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3184
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:240 Resp: 867026

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	25.6	20.4	30.6



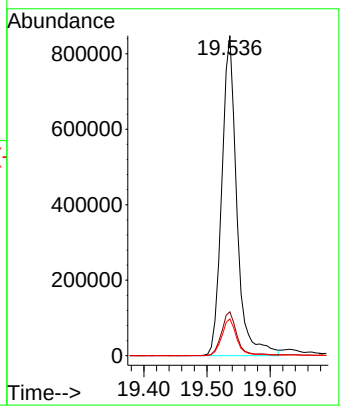


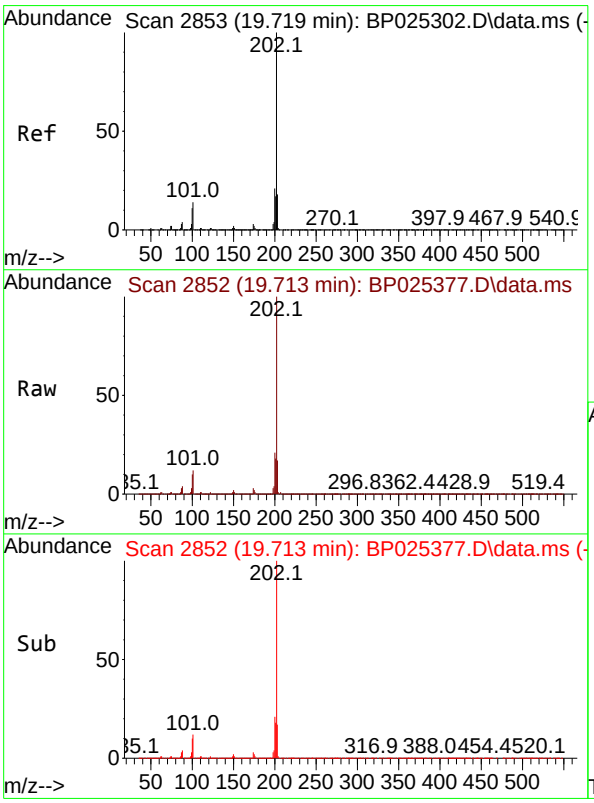
#77
Benzidine
Concen: 44.665 ng
RT: 19.536 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1401654

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.0	16.6
183	11.5	9.2	13.8

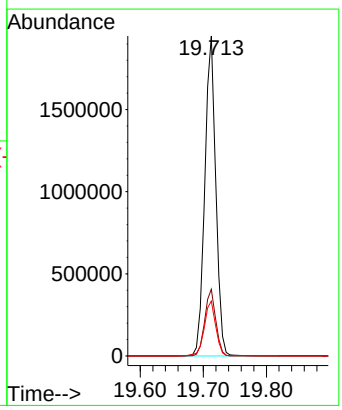


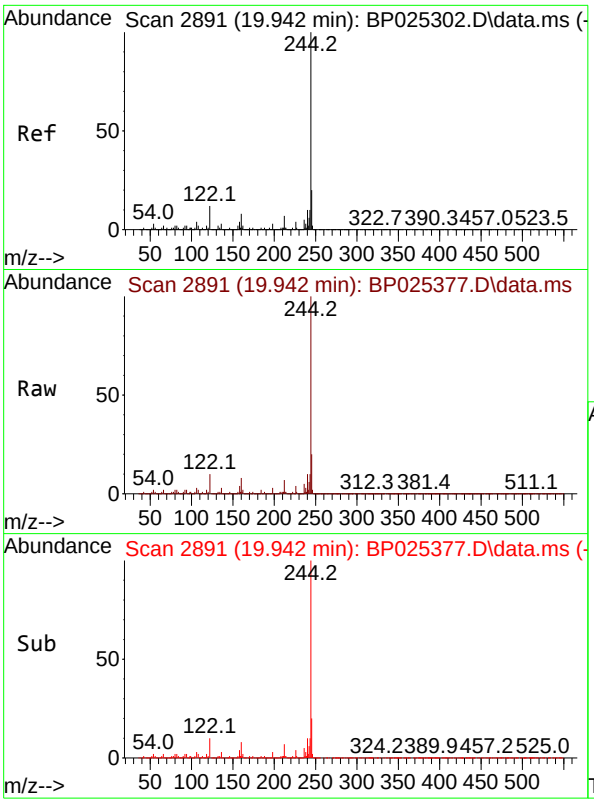


#78
Pyrene
Concen: 40.885 ng
RT: 19.713 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:202 Resp: 2357222

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.2	14.1	21.1



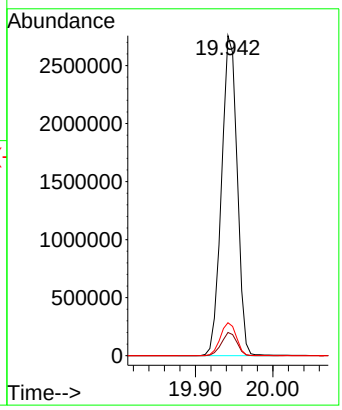


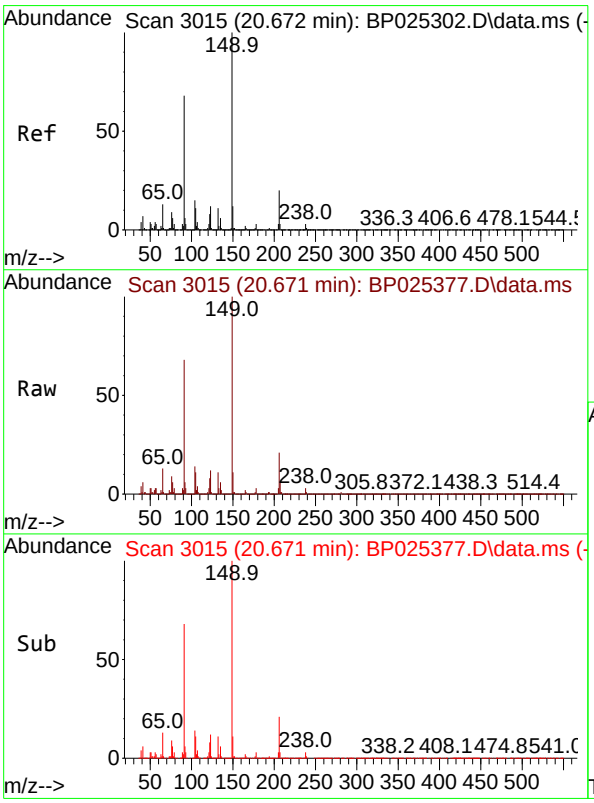
#79
Terphenyl-d14
Concen: 84.541 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3880765

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.3	9.5	14.3

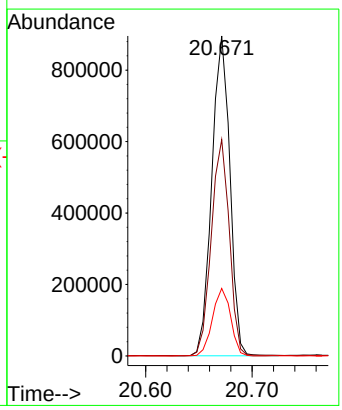


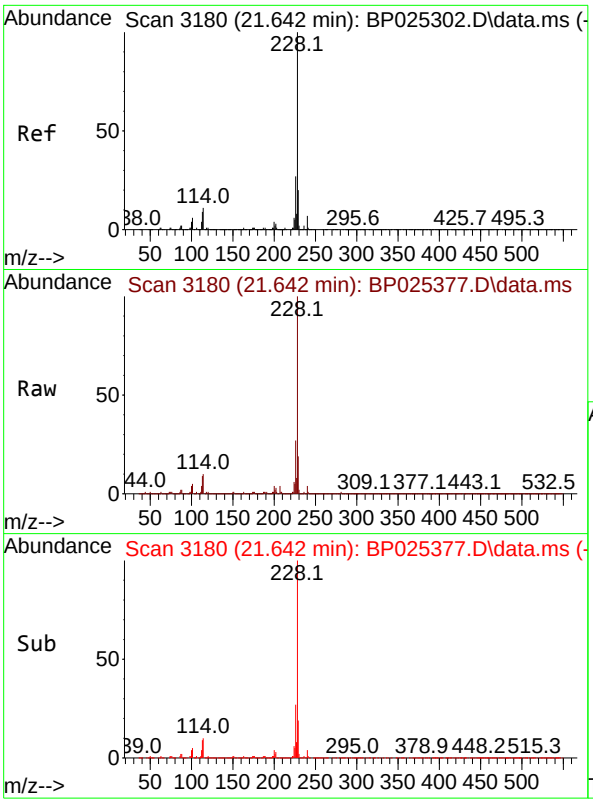


#80
Butylbenzylphthalate
Concen: 45.038 ng
RT: 20.671 min Scan# 3015
Delta R.T. -0.001 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1053125

Ion	Ratio	Lower	Upper
149	100		
91	67.6	54.7	82.1
206	21.1	16.4	24.6



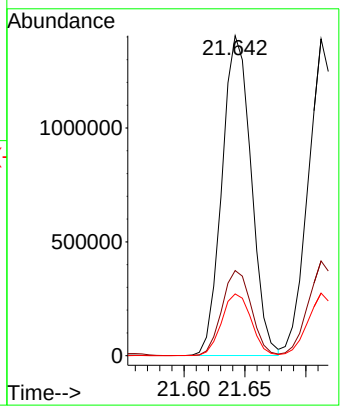


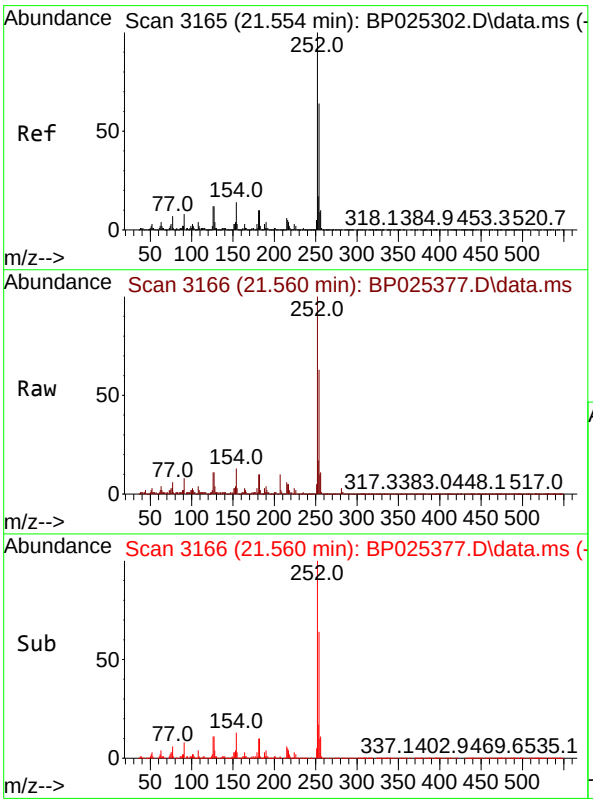
#81
Benzo(a)anthracene
Concen: 40.547 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2336188

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.3	16.0	24.0

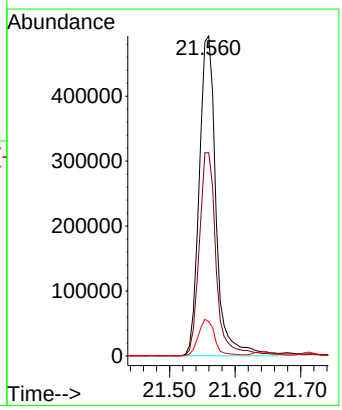


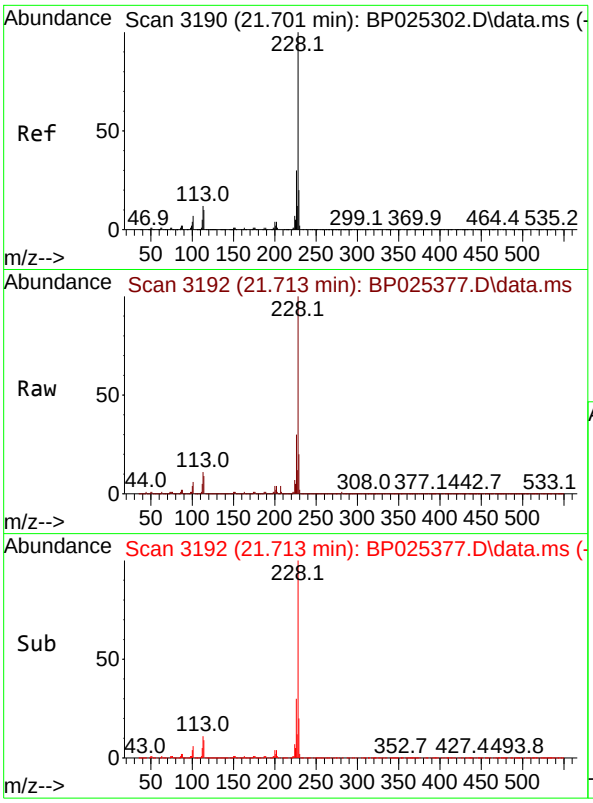


#82
3,3'-Dichlorobenzidine
Concen: 43.364 ng
RT: 21.560 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 881515

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.0	76.6
126	10.7	9.4	14.2



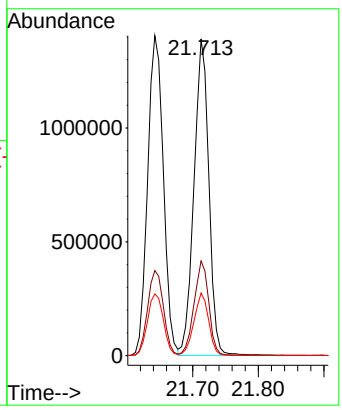


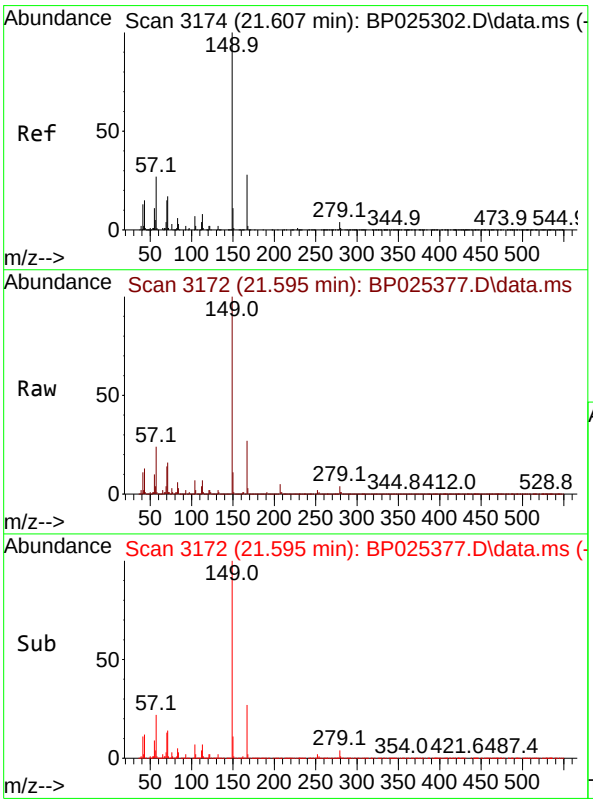
#83
Chrysene
Concen: 41.095 ng
RT: 21.713 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2196085

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.8	15.9	23.9

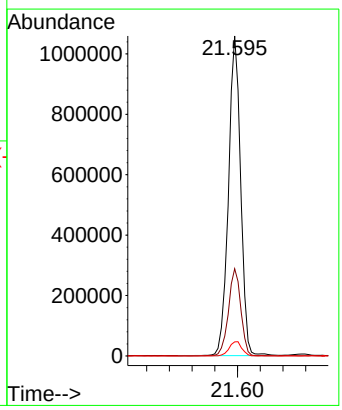


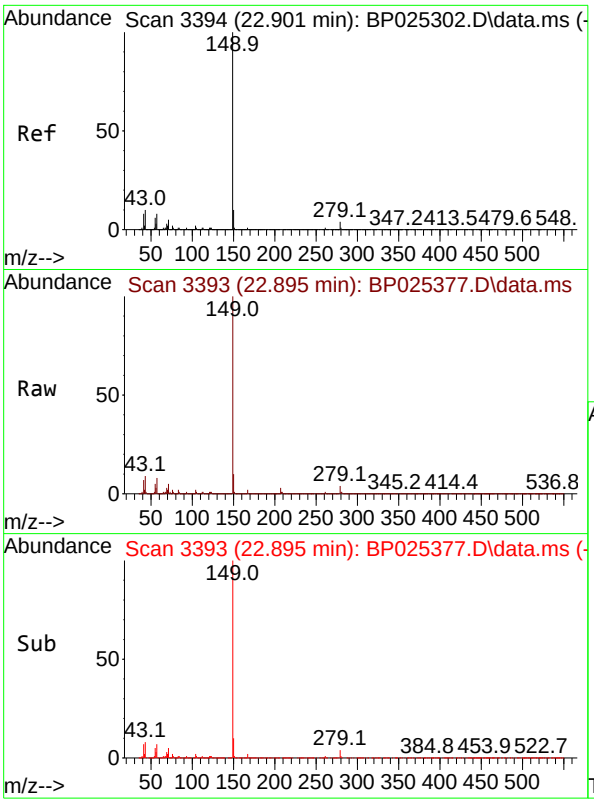


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.221 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.012 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:149 Resp: 1576424

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.4	3.4	5.2



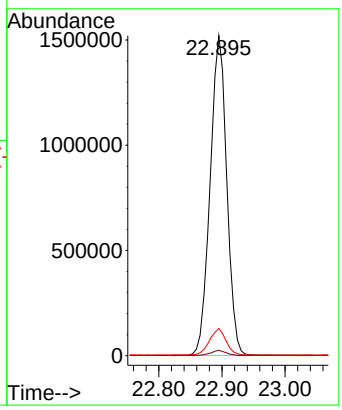


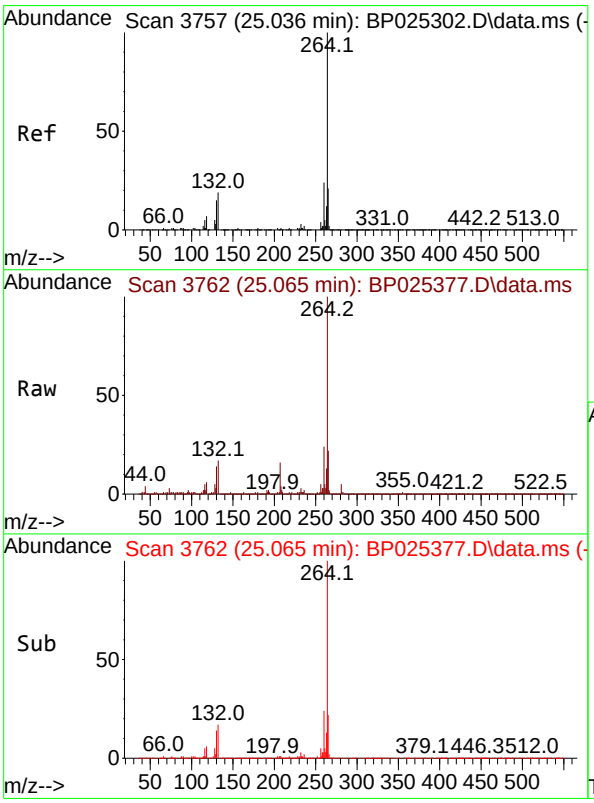
#85
Di-n-octyl phthalate
Concen: 44.443 ng
RT: 22.895 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2777521

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	7.9	11.9

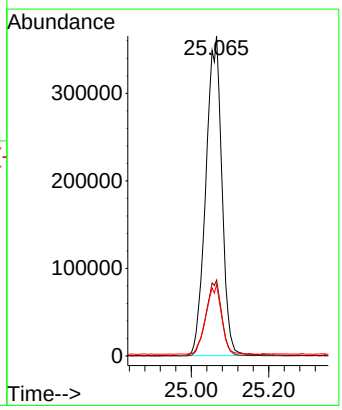


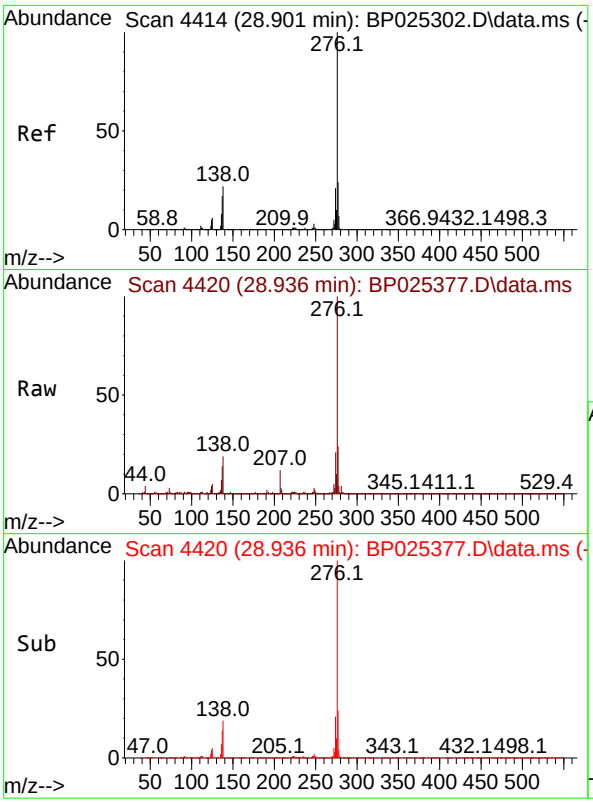


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.065 min Scan# 3762
Delta R.T. 0.029 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:264 Resp: 1047429

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.1	25.7



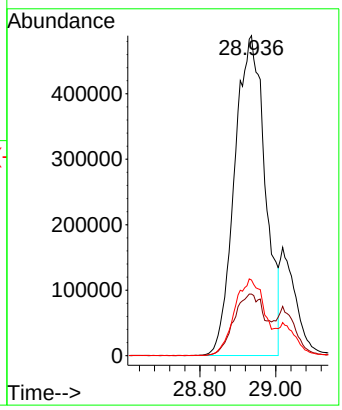


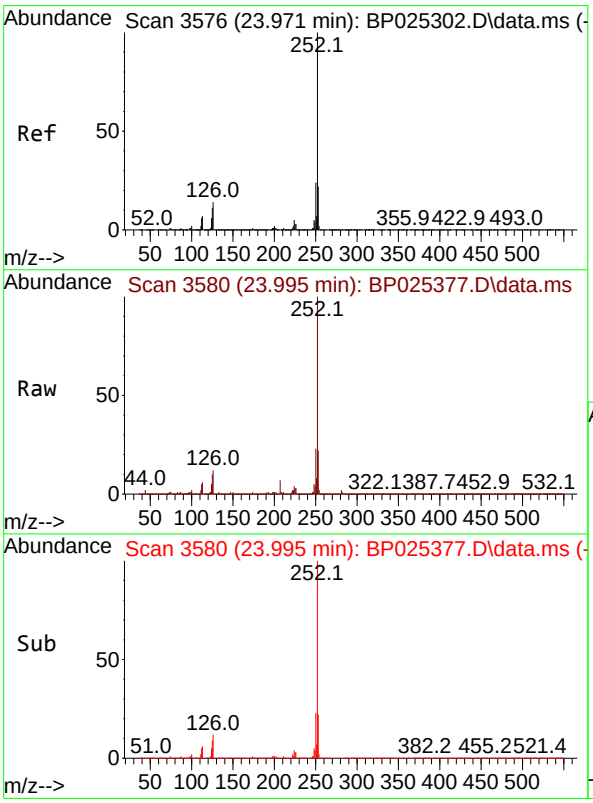
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.418 ng
RT: 28.936 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2734079

Ion	Ratio	Lower	Upper
276	100		
138	19.4	14.6	22.0
277	23.4	16.8	25.2

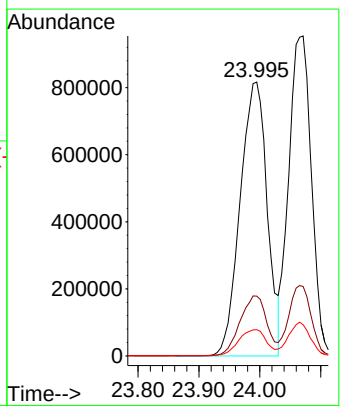


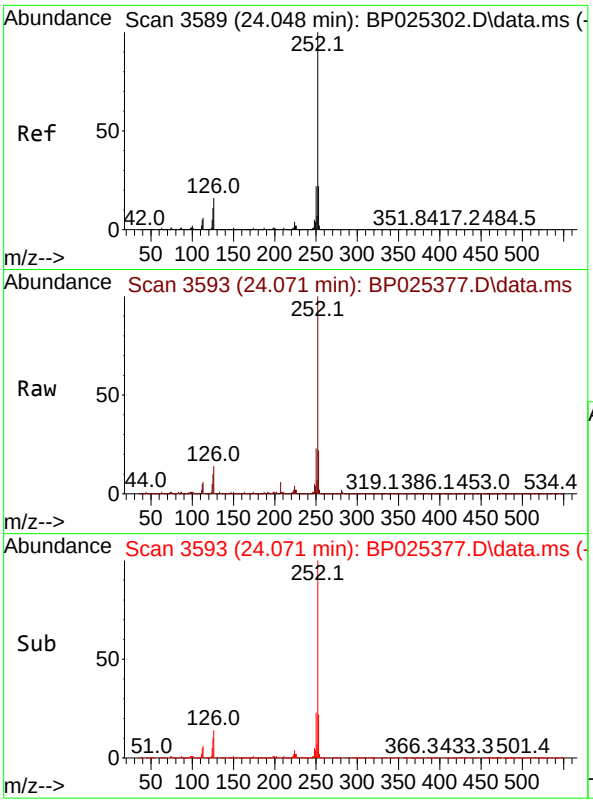


#88
Benzo(b)fluoranthene
Concen: 40.203 ng
RT: 23.995 min Scan# 3580
Delta R.T. 0.024 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 2520756

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.6	8.5	12.7



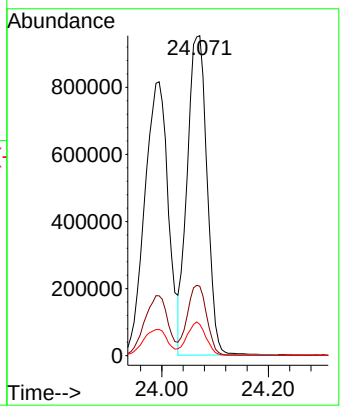


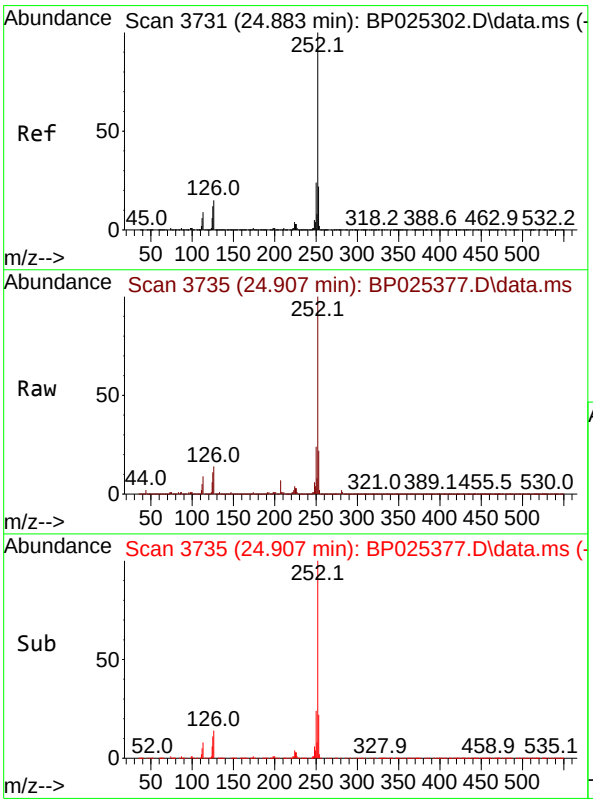
#89
Benzo(k)fluoranthene
Concen: 39.607 ng
RT: 24.071 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2461874

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.7	8.5	12.7

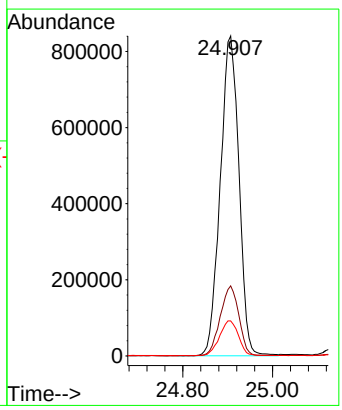


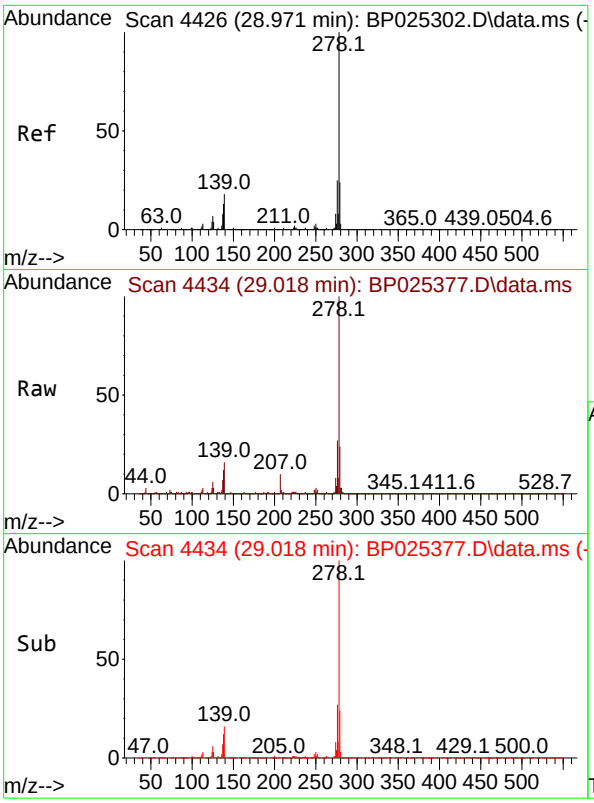


#90
Benzo(a)pyrene
Concen: 40.265 ng
RT: 24.907 min Scan# 3735
Delta R.T. 0.024 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:252 Resp: 2431295

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	9.4	14.0



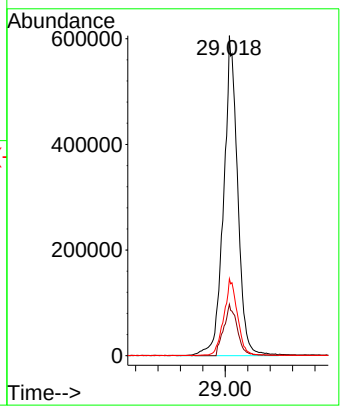


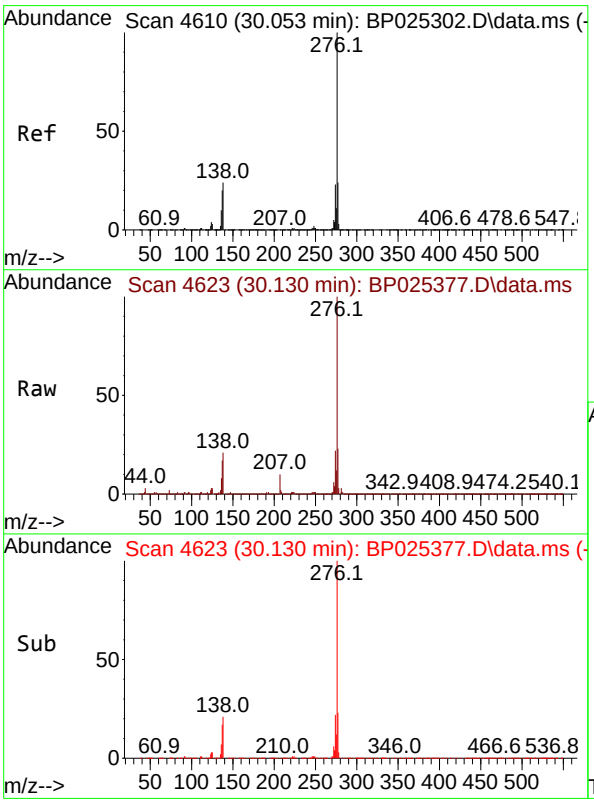
#91
Dibenzo(a,h)anthracene
Concen: 42.708 ng
RT: 29.018 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2625934

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.6	22.0
279	24.0	19.0	28.4

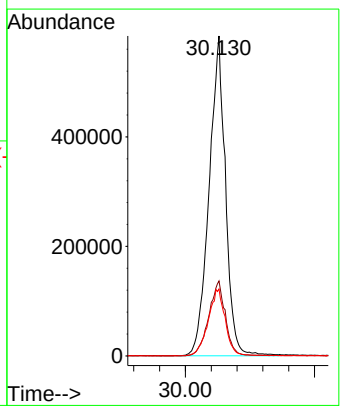




#92
Benzo(g,h,i)perylene
Concen: 42.630 ng
RT: 30.130 min Scan# 4623
Delta R.T. 0.077 min
Lab File: BP025377.D
Acq: 13 Aug 2025 09:51

Tgt Ion:276 Resp: 2572509

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.3	28.9
138	21.0	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Time: Aug 13 13:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

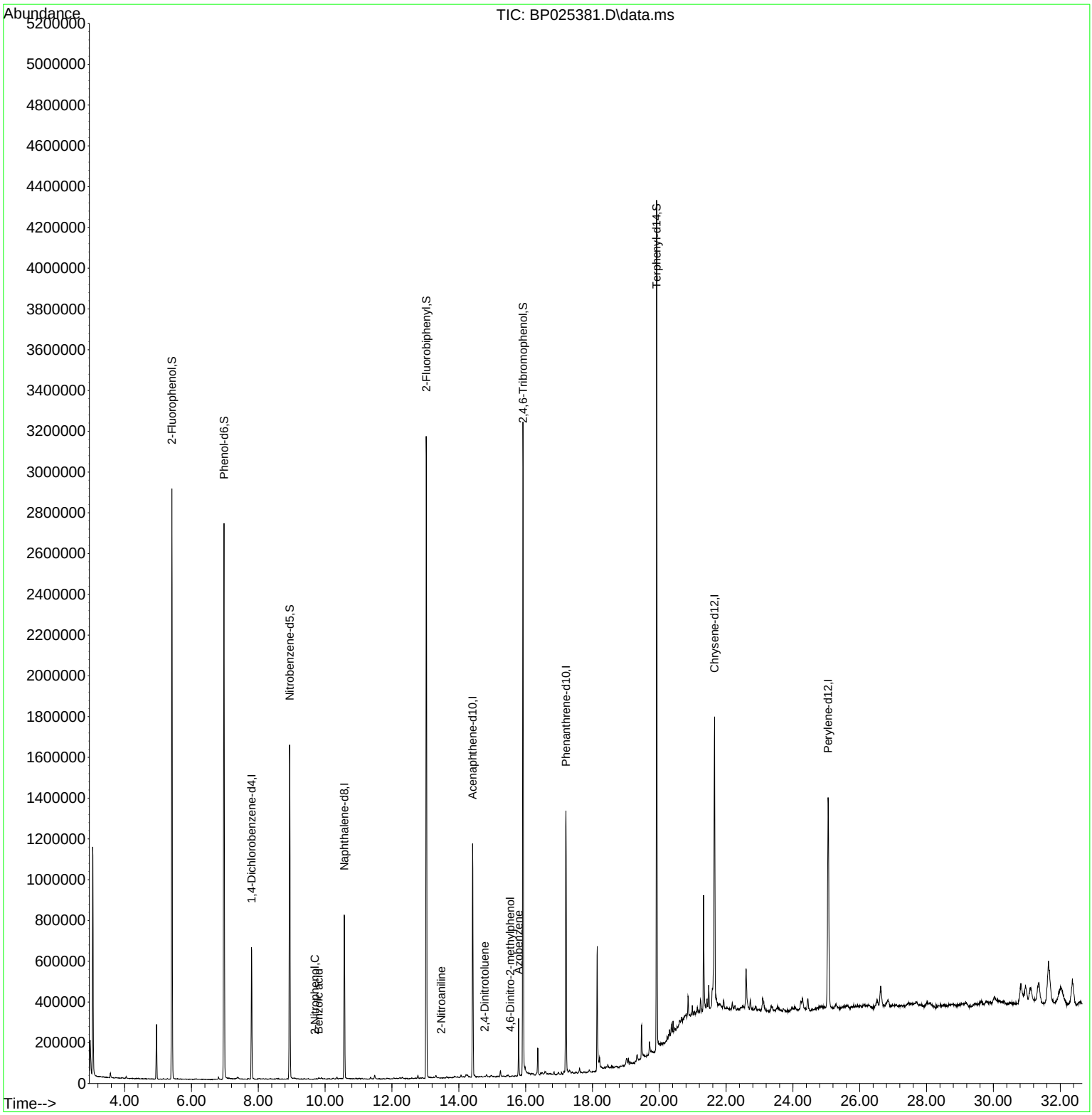
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	174858	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	681358	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	417011	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	828990	20.000	ng	-0.02
76) Chrysene-d12	21.654	240	887231	20.000	ng	0.00
86) Perylene-d12	25.054	264	1030586	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1275397	117.312	ng	0.00
7) Phenol-d6	6.972	99	1576356	110.172	ng	0.00
23) Nitrobenzene-d5	8.937	82	966402	78.578	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	638623	153.509	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	1683613	55.764	ng	0.00
79) Terphenyl-d14	19.919	244	2147818	45.724	ng	-0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	9.690	139	330	3.698	ng	# 35
32) Benzoic acid	9.807	122	3291	6.539	ng	98
48) 2-Nitroaniline	13.478	65	477	3.029	ng	# 65
57) 2,4-Dinitrotoluene	14.772	165	1736	3.441	ng	# 91
63) Azobenzene	15.789	77	72130	2.533	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.542	198	333	4.943	ng	# 1

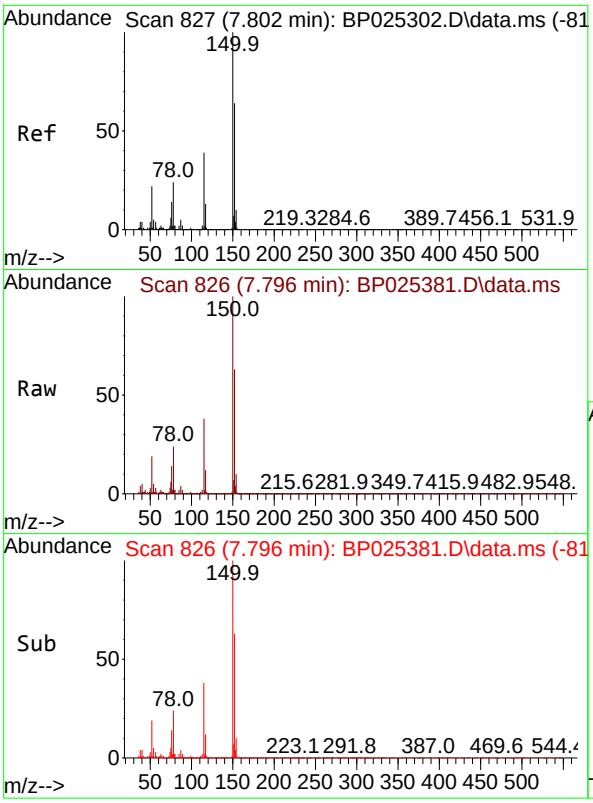
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025381.D
Acq On : 13 Aug 2025 12:41
Operator : CG/JU
Sample : Q2820-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-E

Quant Time: Aug 13 13:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



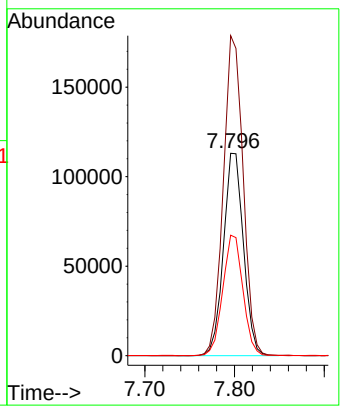


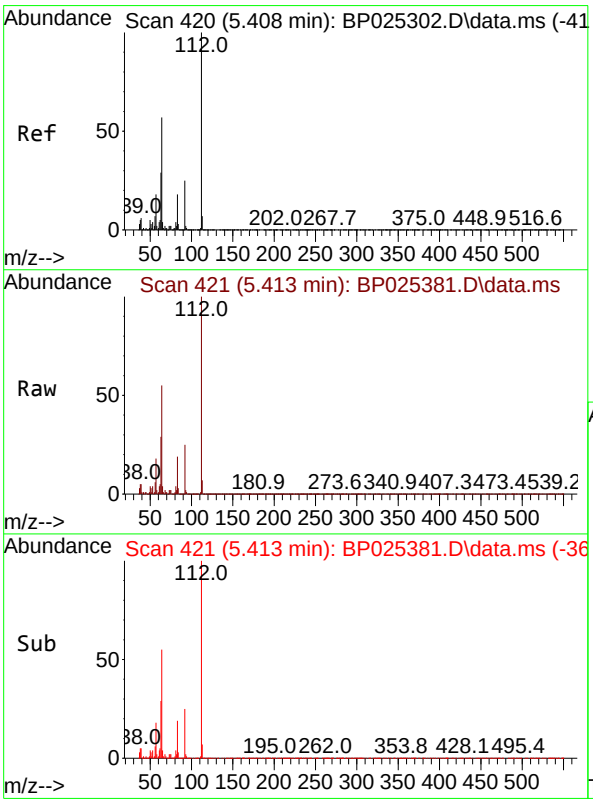
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion:152 Resp: 174858

Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.1	187.7
115	59.5	48.4	72.6

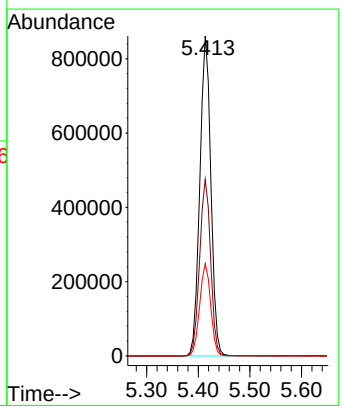


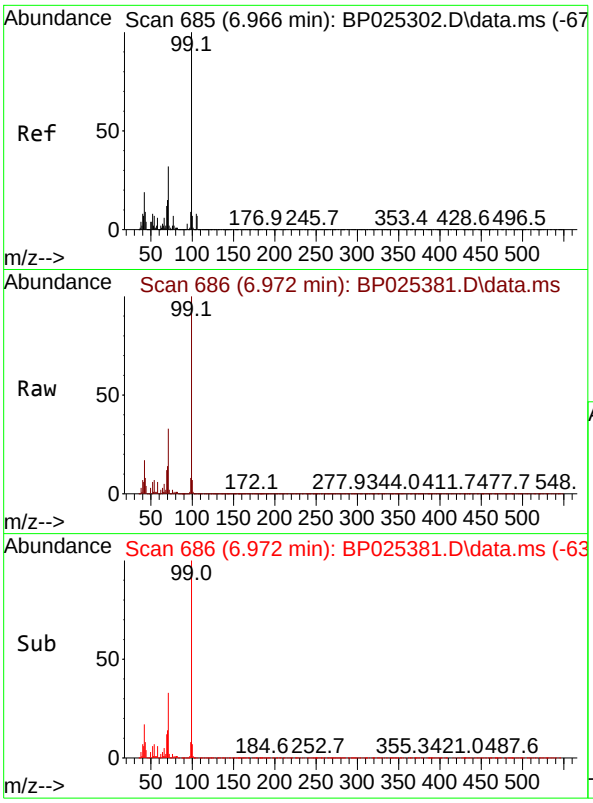


#5
2-Fluorophenol
Concen: 117.312 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:112 Resp: 1275397

Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.3	67.9
63	28.9	23.0	34.6



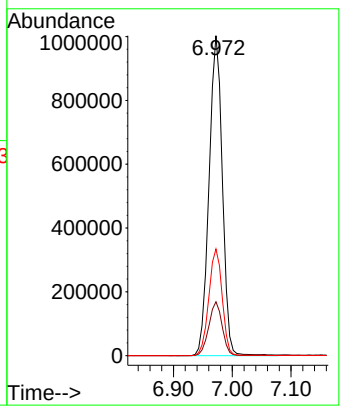


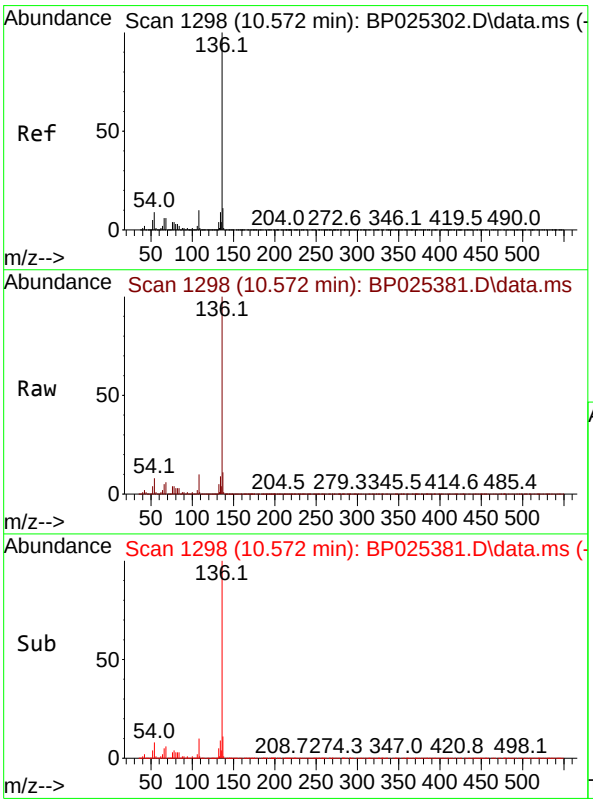
#7
Phenol-d6
Concen: 110.172 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion: 99 Resp: 1576356

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.3	25.5	38.3

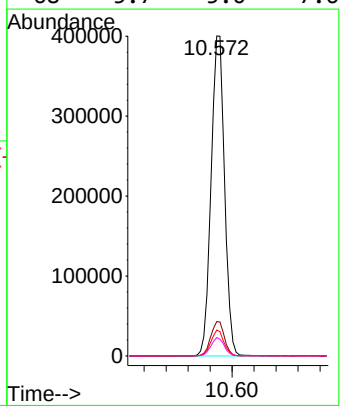


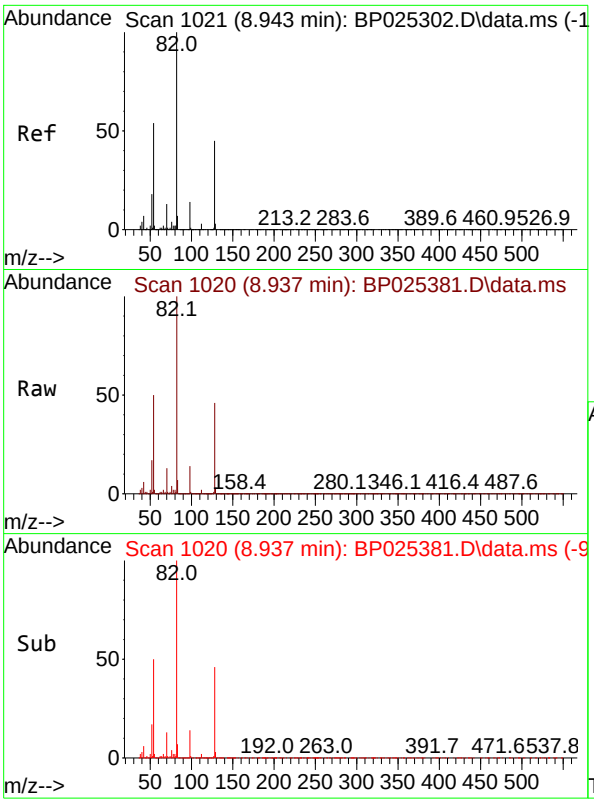


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:136 Resp: 681358

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.1	7.0	10.6
68	5.7	5.0	7.6



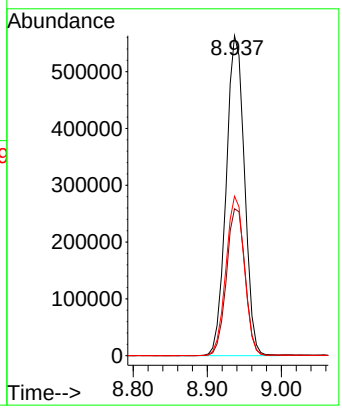


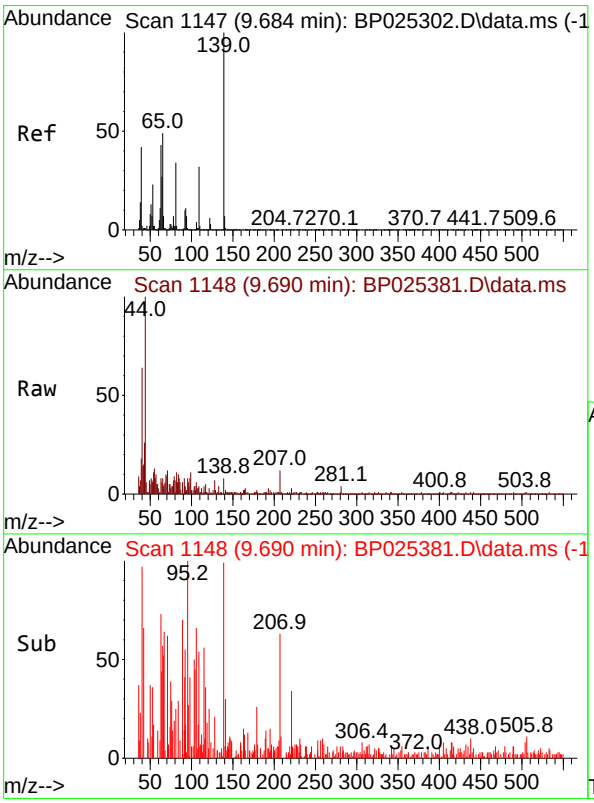
#23
Nitrobenzene-d5
Concen: 78.578 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion: 82 Resp: 966402

Ion	Ratio	Lower	Upper
82	100		
128	45.9	35.4	53.2
54	49.9	42.9	64.3

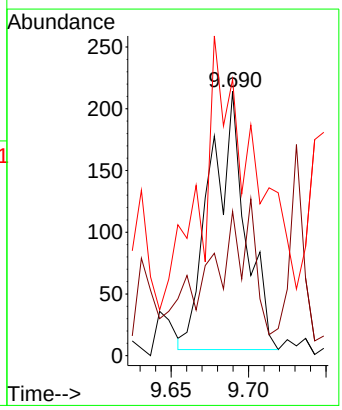


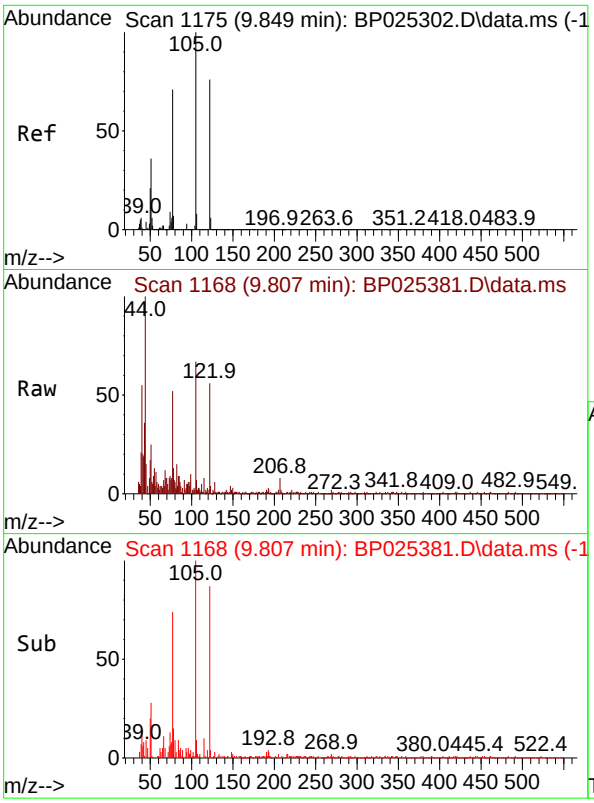


#26
2-Nitrophenol
Concen: 3.698 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:139 Resp: 330

Ion	Ratio	Lower	Upper
139	100		
109	54.7	25.2	37.8#
65	104.7	39.6	59.4#



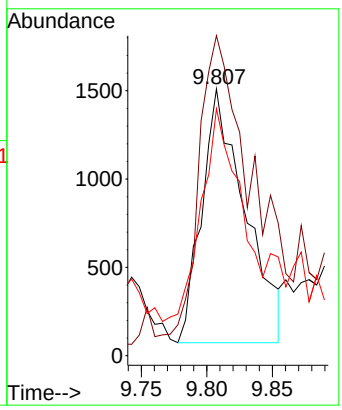


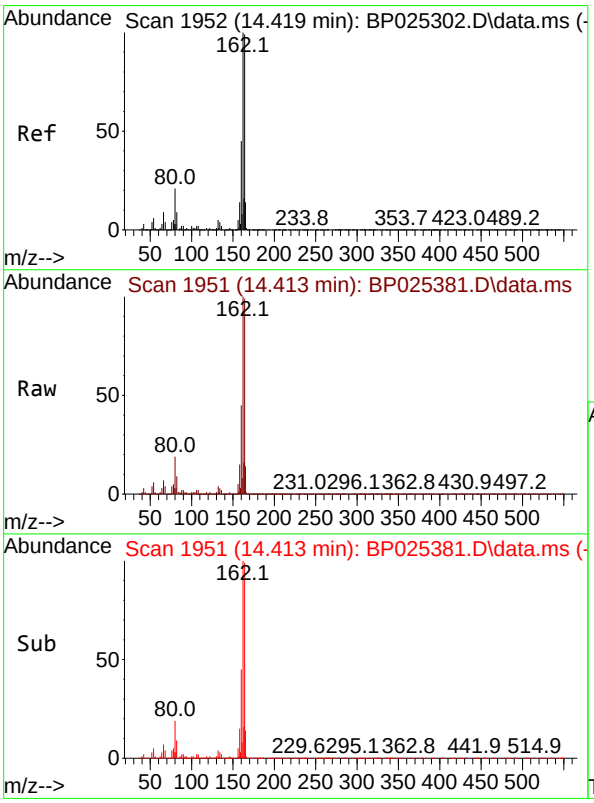
#32
Benzoic acid
Concen: 6.539 ng
RT: 9.807 min Scan# 11
Delta R.T. -0.042 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion:122 Resp: 3291

Ion	Ratio	Lower	Upper
122	100		
105	120.0	104.0	144.0
77	92.6	71.8	111.8

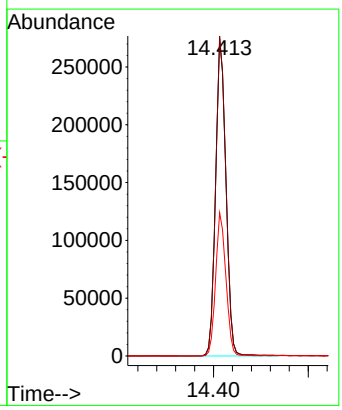


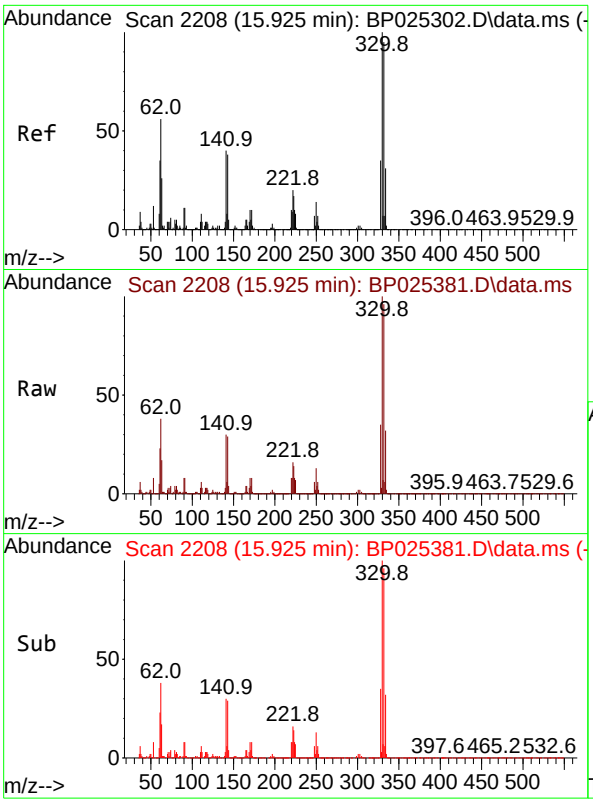


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:164 Resp: 417011

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.2	35.9	53.9



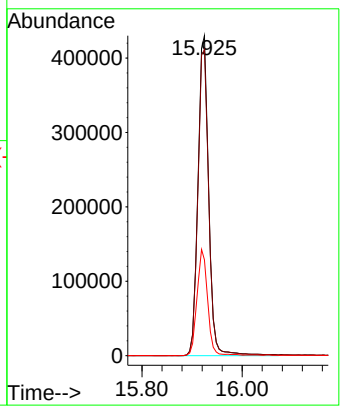


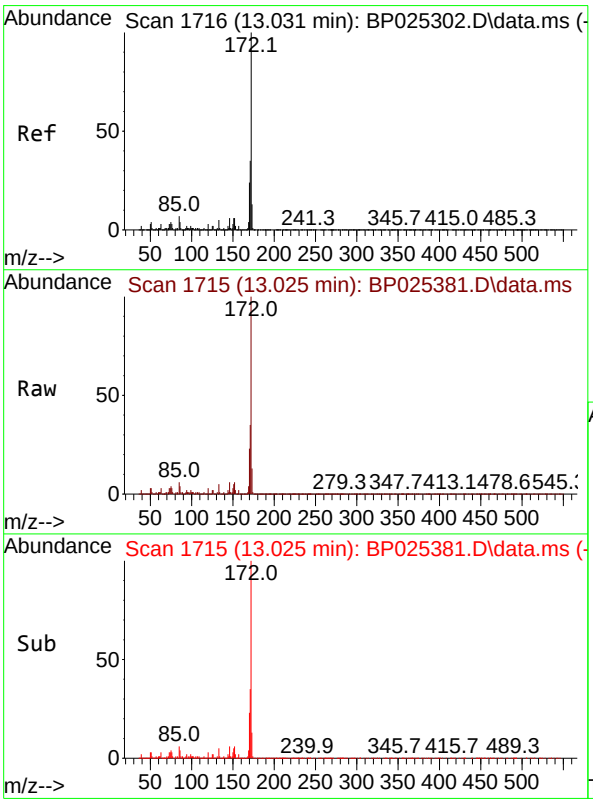
#42
2,4,6-Tribromophenol
Concen: 153.509 ng
RT: 15.925 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion:330 Resp: 638623

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	32.7	31.7	47.5

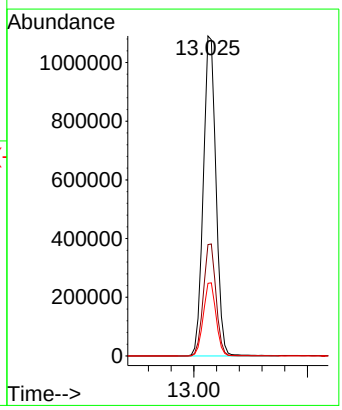


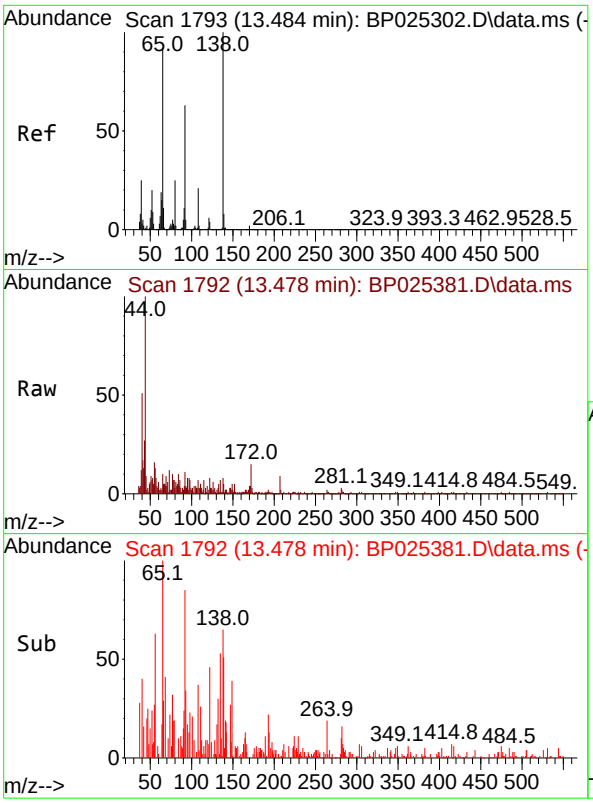


#45
2-Fluorobiphenyl
Concen: 55.764 ng
RT: 13.025 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:172 Resp: 1683613

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	22.7	18.9	28.3



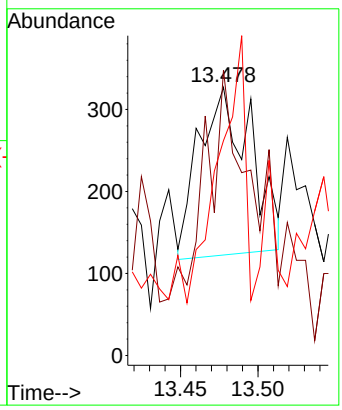


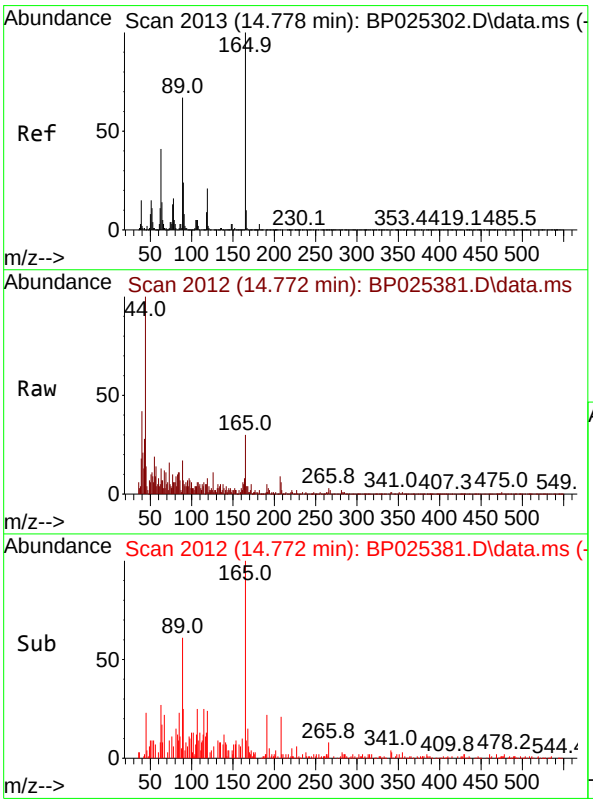
#48
2-Nitroaniline
Concen: 3.029 ng
RT: 13.478 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion: 65 Resp: 477

Ion	Ratio	Lower	Upper
65	100		
92	106.4	54.4	81.6#
138	80.1	87.0	130.4#

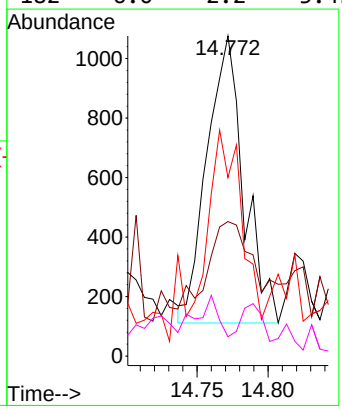


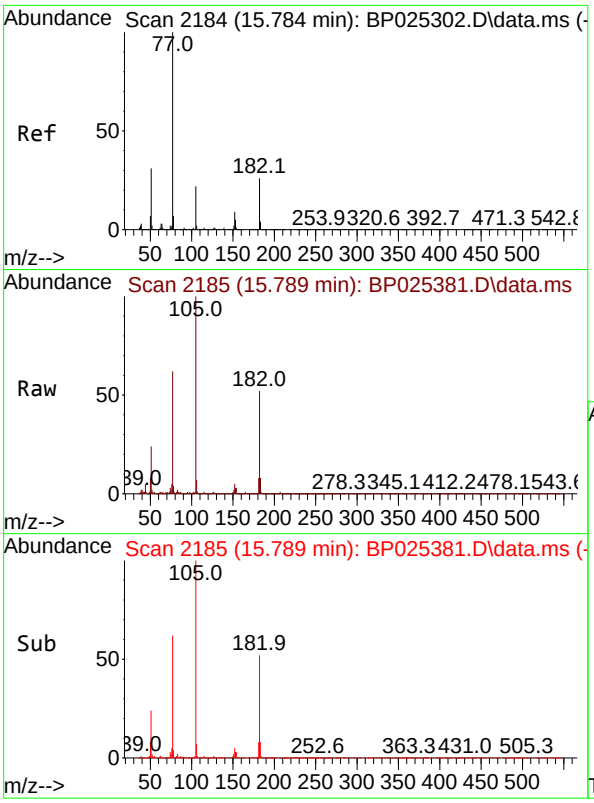


#57
2,4-Dinitrotoluene
Concen: 3.441 ng
RT: 14.772 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:165 Resp: 1736

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.2	49.8
89	55.8	53.5	80.3
182	6.0	2.2	3.4#



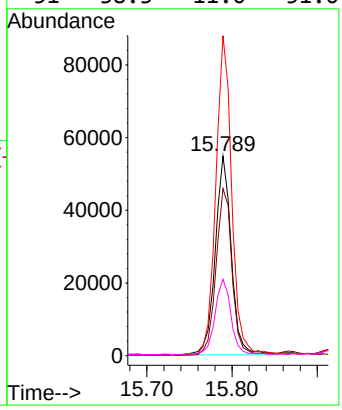


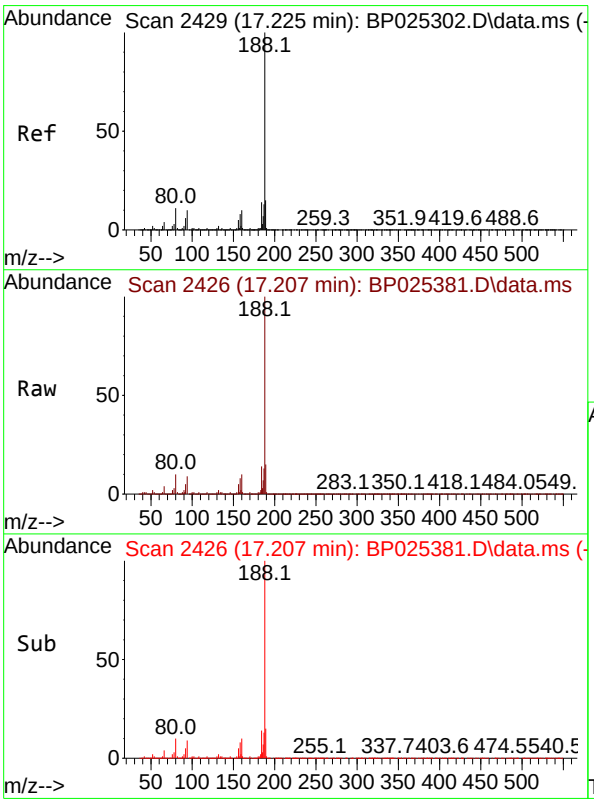
#63
Azobenzene
Concen: 2.533 ng
RT: 15.789 min Scan# 21
Delta R.T. 0.005 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion: 77 Resp: 72130

Ion	Ratio	Lower	Upper
77	100		
182	83.7	6.0	46.0#
105	160.3	2.1	42.1#
51	38.3	11.0	51.0

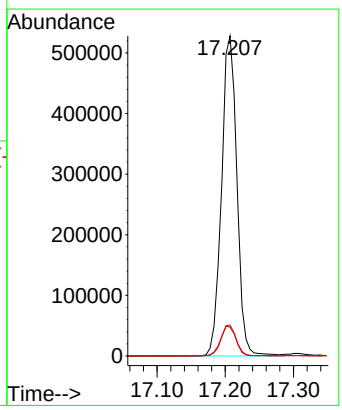


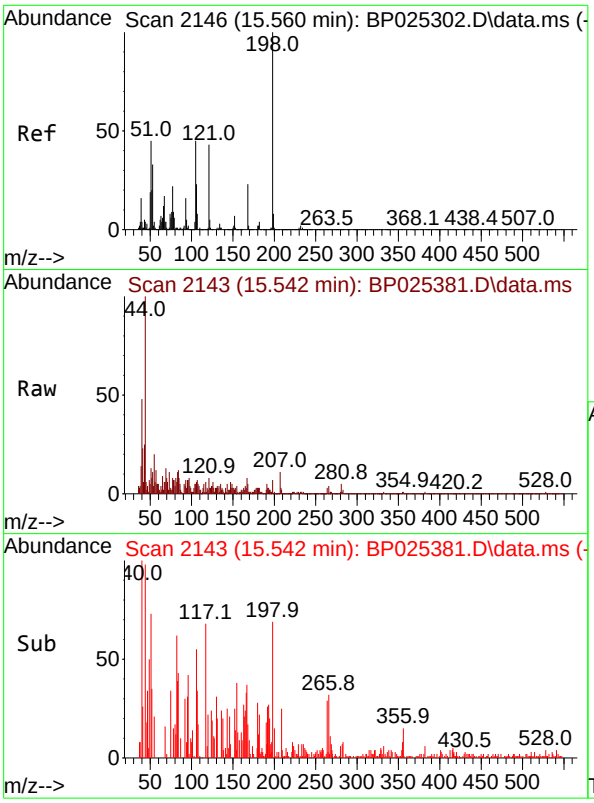


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. -0.018 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:188 Resp: 828990

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.6	8.5	12.7



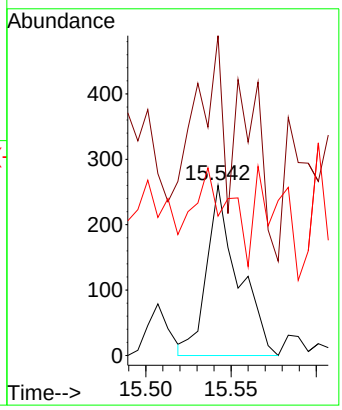


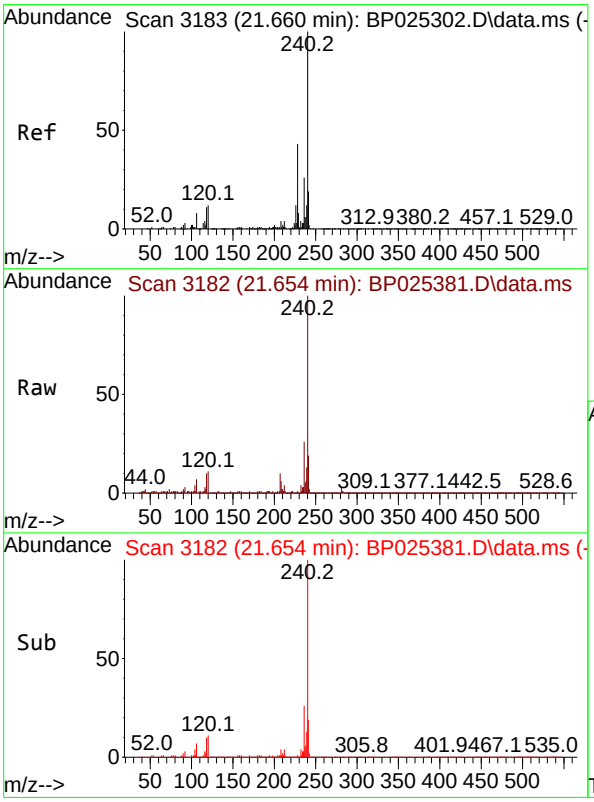
#65
4,6-Dinitro-2-methylphenol
Concen: 4.943 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion:198 Resp: 333

Ion	Ratio	Lower	Upper
198	100		
51	188.1	26.7	66.7#
105	81.9	25.6	65.6#

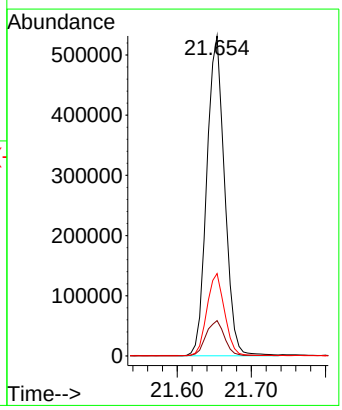


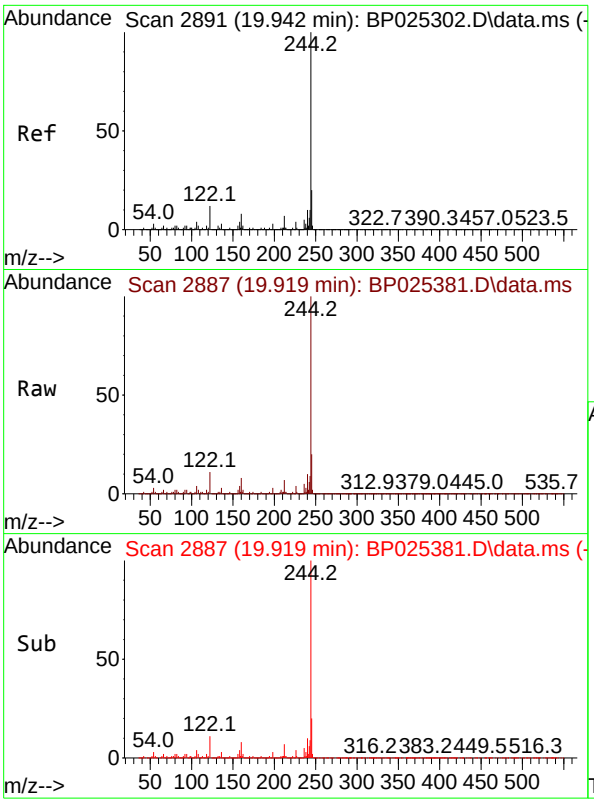


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:240 Resp: 887231

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.6	14.4
236	25.8	20.4	30.6



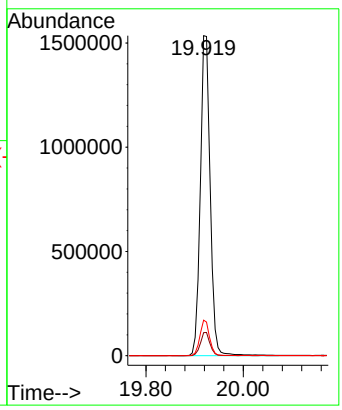


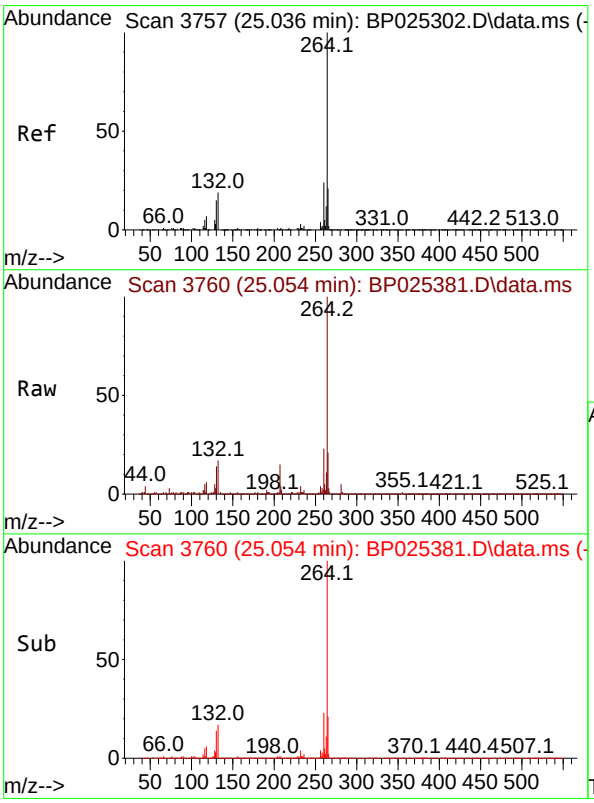
#79
Terphenyl-d14
Concen: 45.724 ng
RT: 19.919 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Instrument :
BNA_P
ClientSampleId :
518R-E

Tgt Ion:244 Resp: 2147818

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.1	9.5	14.3

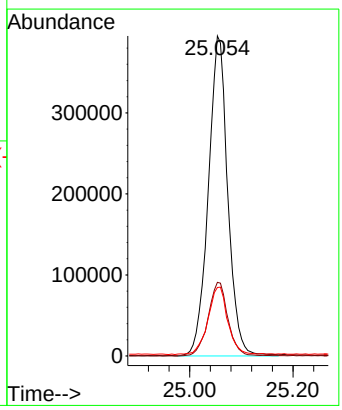




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.054 min Scan# 3760
Delta R.T. 0.018 min
Lab File: BP025381.D
Acq: 13 Aug 2025 12:41

Tgt Ion:264 Resp: 1030586

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.1	25.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025382.D
Acq On : 13 Aug 2025 13:22
Operator : CG/JU
Sample : Q2820-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-N

Quant Time: Aug 13 13:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

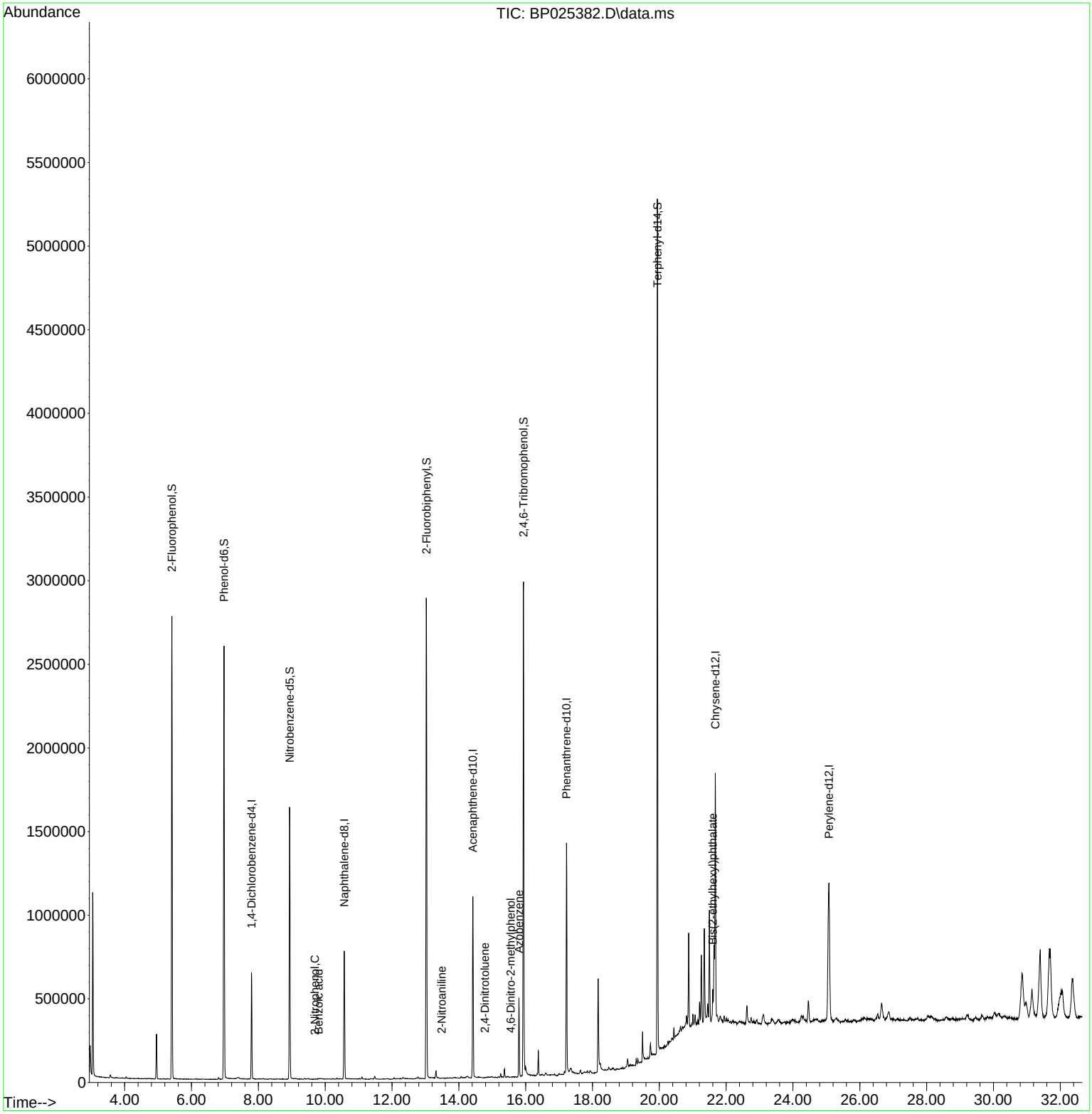
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.795	152	168818	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	653673	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	420600	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	846121	20.000	ng	0.00
76) Chrysene-d12	21.677	240	902500	20.000	ng	0.02
86) Perylene-d12	25.077	264	1039991	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	1211605	115.432	ng	0.00
7) Phenol-d6	6.972	99	1527383	110.569	ng	0.00
23) Nitrobenzene-d5	8.937	82	924647	78.367	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	637591	151.953	ng	0.01
45) 2-Fluorobiphenyl	13.031	172	1705613	56.011	ng	0.00
79) Terphenyl-d14	19.948	244	2656673	55.600	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.690	139	122	3.661	ng	# 74
32) Benzoic acid	9.807	122	1987	6.322	ng	96
48) 2-Nitroaniline	13.489	65	287	3.003	ng	# 56
57) 2,4-Dinitrotoluene	14.777	165	1311	3.394	ng	# 73
63) Azobenzene	15.801	77	133366	4.644	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.554	198	208	4.901	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.601	149	83712	2.154	ng	100

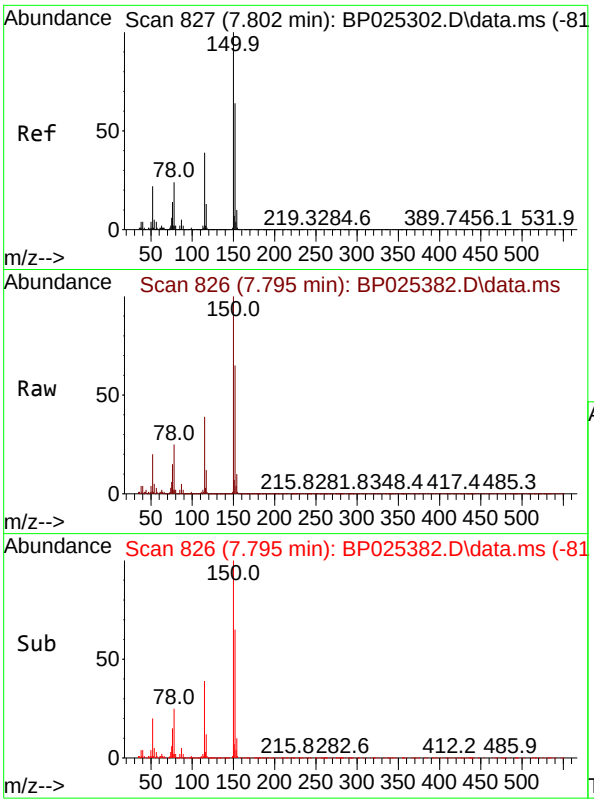
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025382.D
Acq On : 13 Aug 2025 13:22
Operator : CG/JU
Sample : Q2820-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-N

Quant Time: Aug 13 13:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



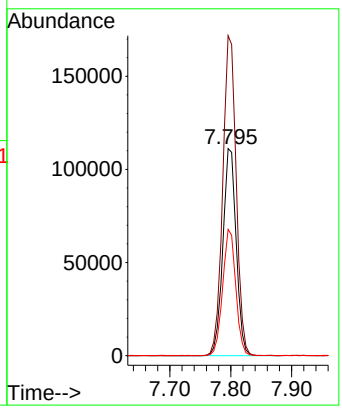


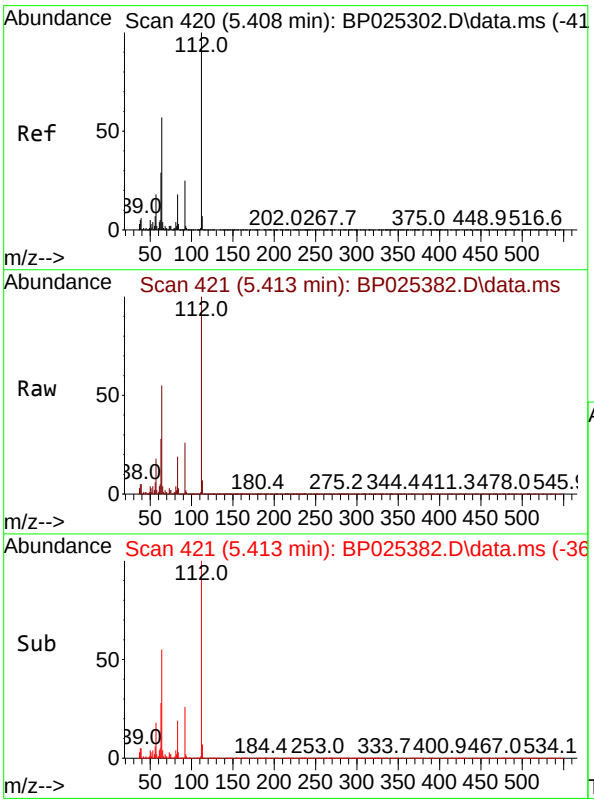
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.795 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:152 Resp: 168818

Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.1	187.7
115	61.0	48.4	72.6

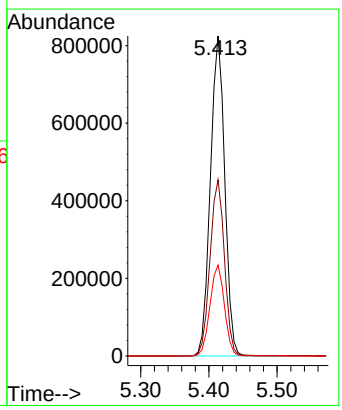


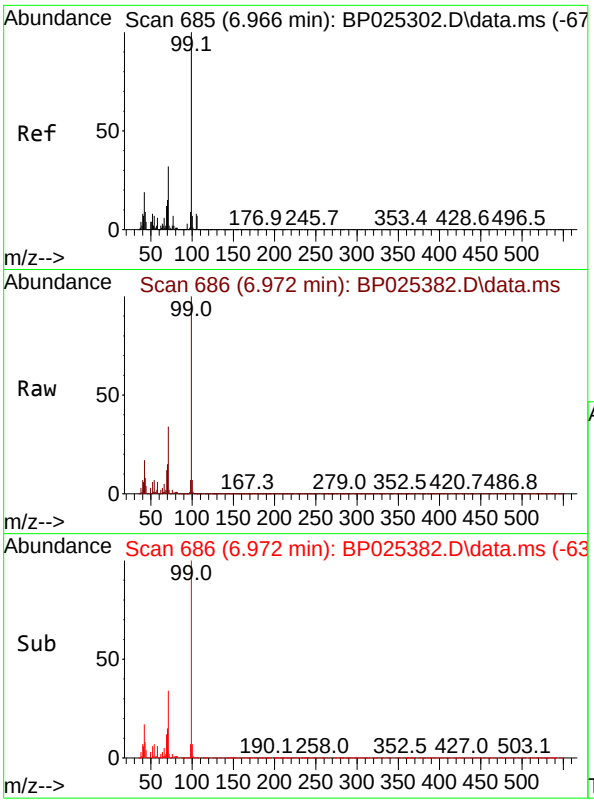


#5
2-Fluorophenol
Concen: 115.432 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:112 Resp: 1211605

Ion	Ratio	Lower	Upper
112	100		
64	55.1	45.3	67.9
63	28.4	23.0	34.6



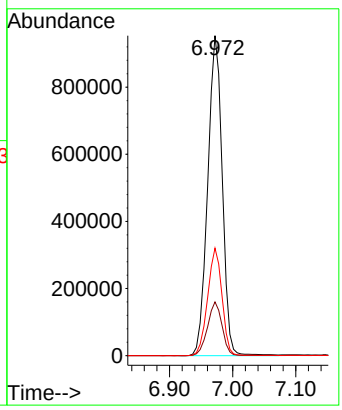


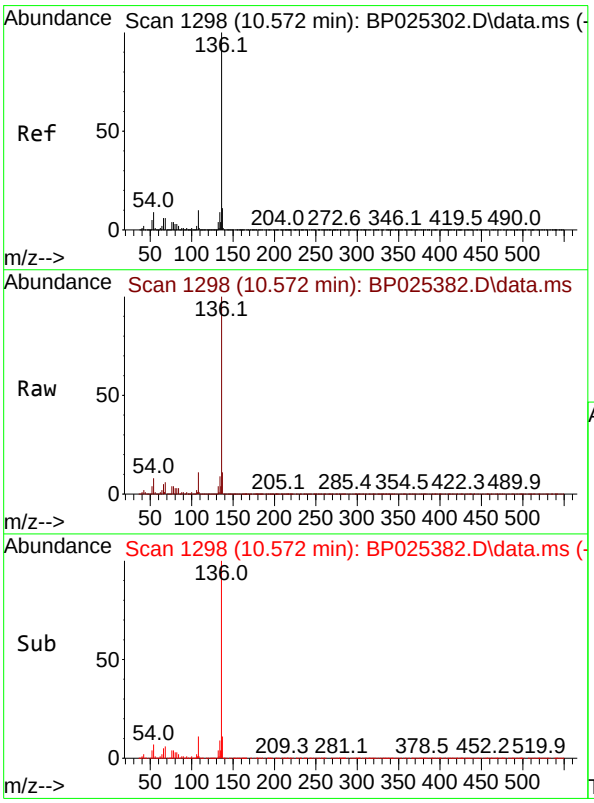
#7
Phenol-d6
Concen: 110.569 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion: 99 Resp: 1527383

Ion	Ratio	Lower	Upper
99	100		
42	16.8	15.0	22.6
71	33.6	25.5	38.3

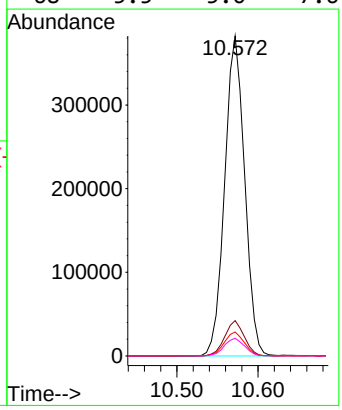


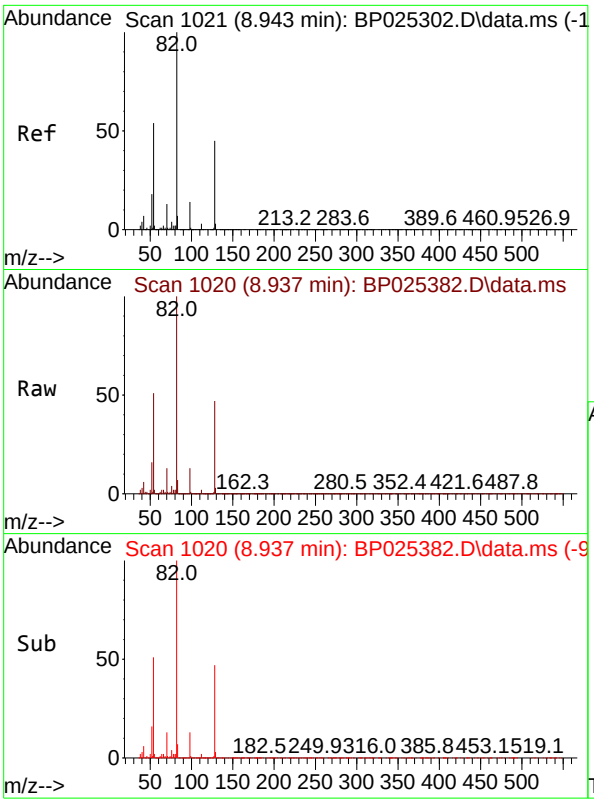


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:136 Resp: 653673

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	7.0	10.6
68	5.5	5.0	7.6



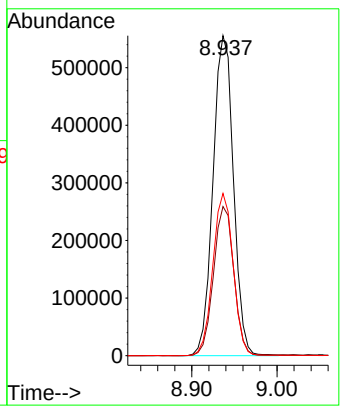


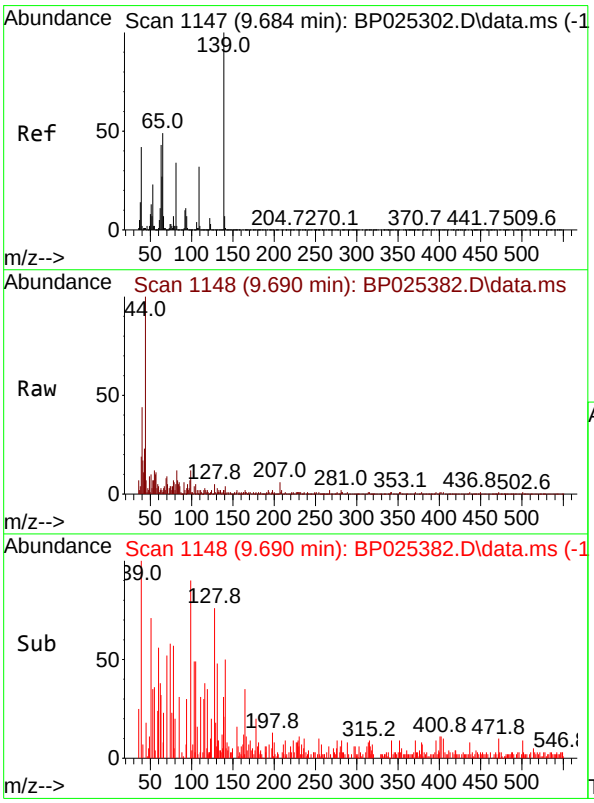
#23
Nitrobenzene-d5
Concen: 78.367 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion: 82 Resp: 924647

Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.4	53.2
54	50.7	42.9	64.3

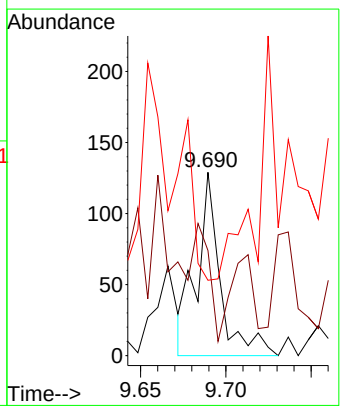


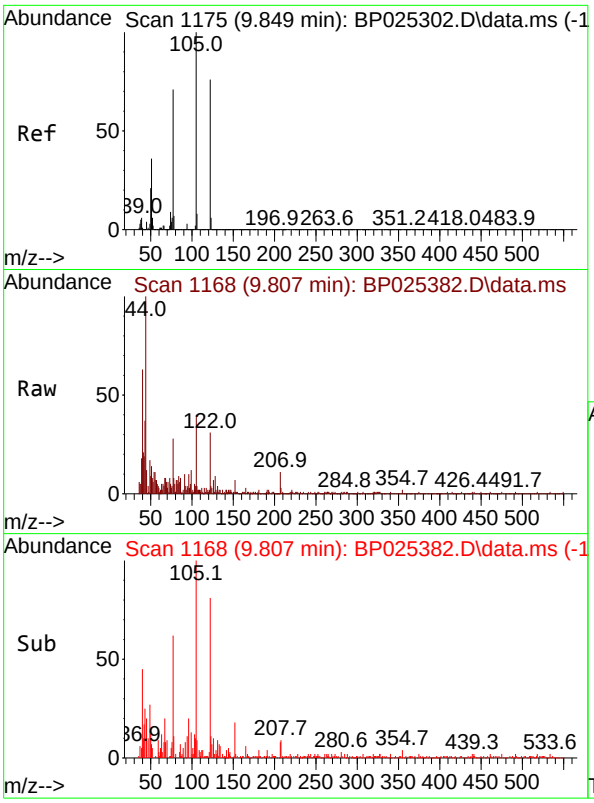


#26
2-Nitrophenol
Concen: 3.661 ng
RT: 9.690 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:139 Resp: 122

Ion	Ratio	Lower	Upper
139	100		
109	57.4	25.2	37.8#
65	41.1	39.6	59.4



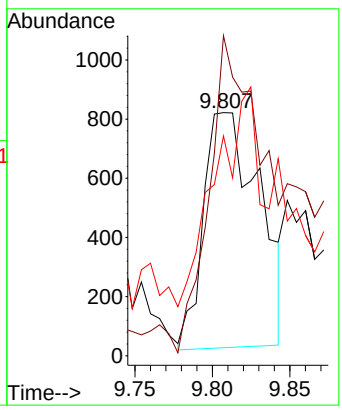


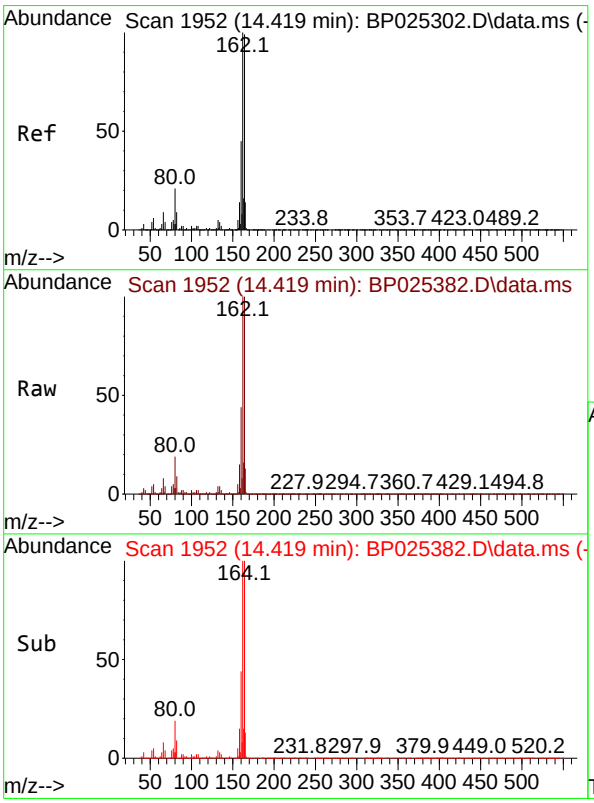
#32
Benzoic acid
Concen: 6.322 ng
RT: 9.807 min Scan# 11
Delta R.T. -0.042 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:122 Resp: 1987

Ion	Ratio	Lower	Upper
122	100		
105	131.6	104.0	144.0
77	90.4	71.8	111.8

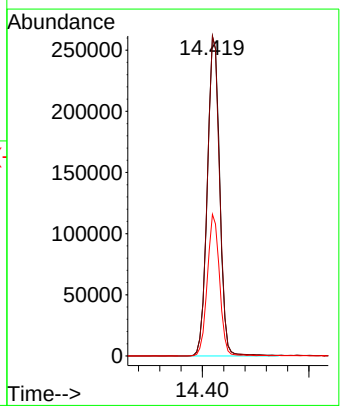


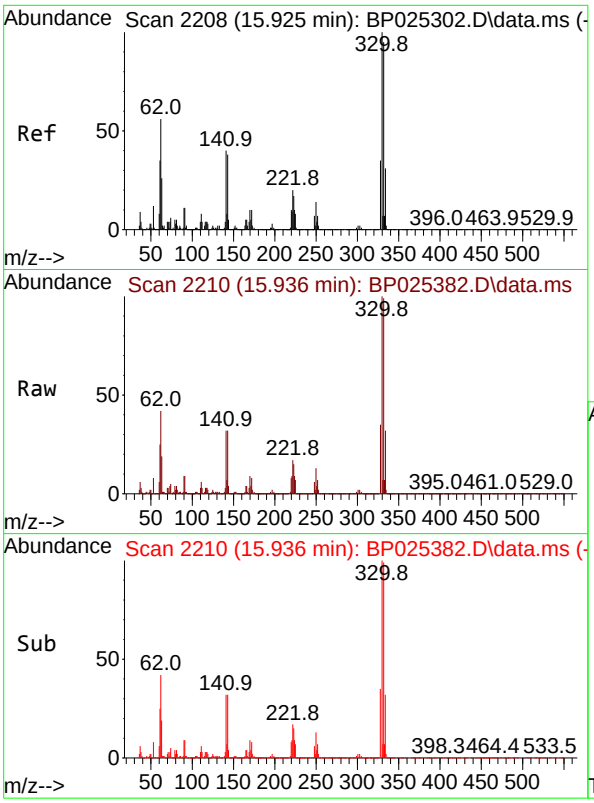


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:164 Resp: 420600

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.3	35.9	53.9



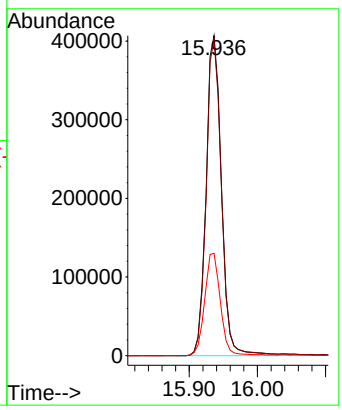


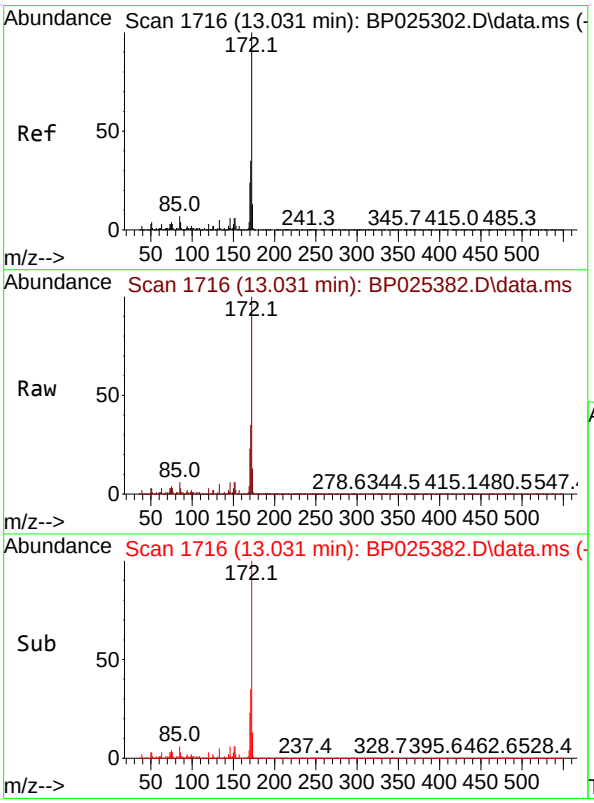
#42
2,4,6-Tribromophenol
Concen: 151.953 ng
RT: 15.936 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:330 Resp: 637591

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.0
141	33.0	31.7	47.5

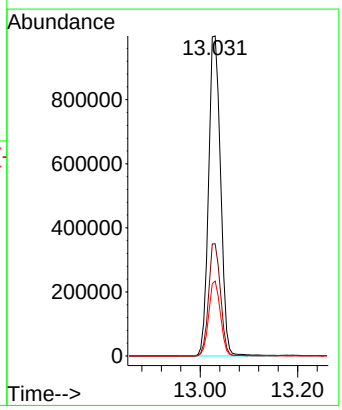


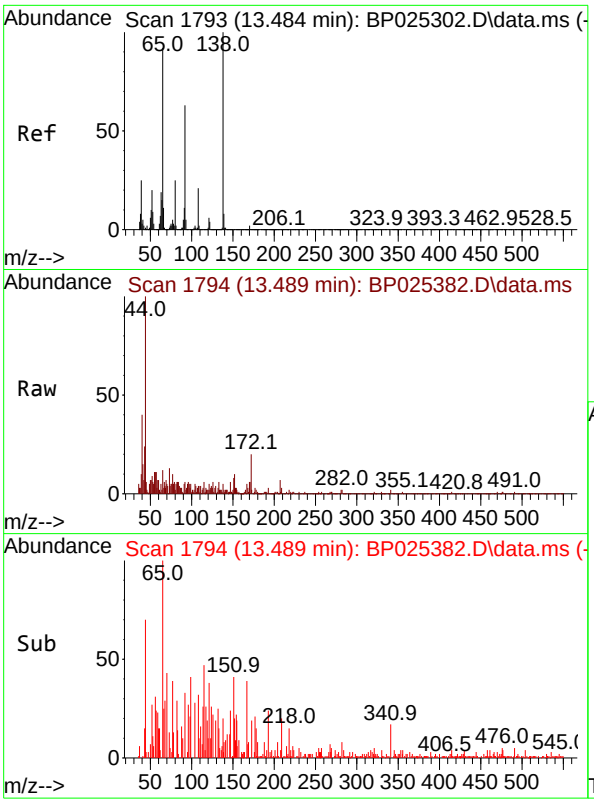


#45
2-Fluorobiphenyl
Concen: 56.011 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:172 Resp: 1705613

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.4	18.9	28.3



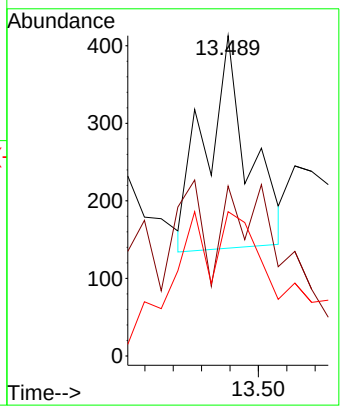


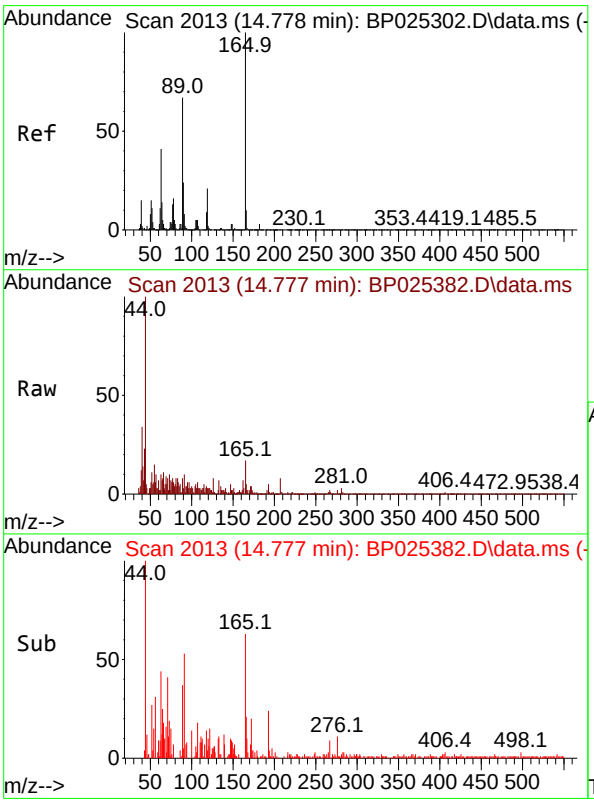
#48
2-Nitroaniline
Concen: 3.003 ng
RT: 13.489 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion: 65 Resp: 287

Ion	Ratio	Lower	Upper
65	100		
92	53.0	54.4	81.6#
138	45.0	87.0	130.4#

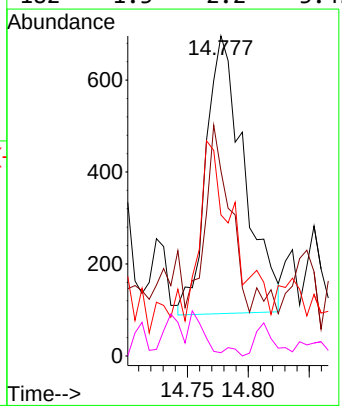


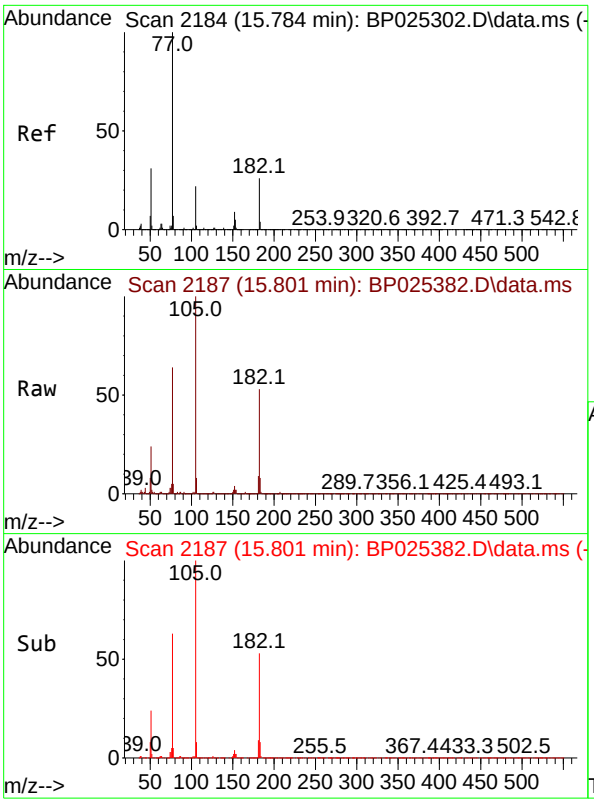


#57
2,4-Dinitrotoluene
Concen: 3.394 ng
RT: 14.777 min Scan# 2013
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:165 Resp: 1311

Ion	Ratio	Lower	Upper
165	100		
63	57.9	33.2	49.8#
89	44.1	53.5	80.3#
182	1.3	2.2	3.4#



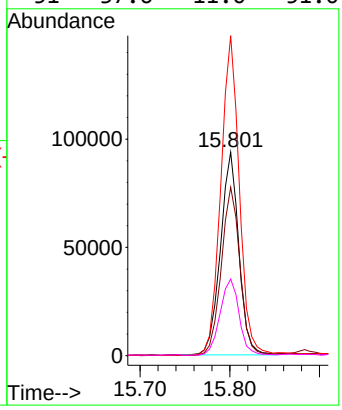


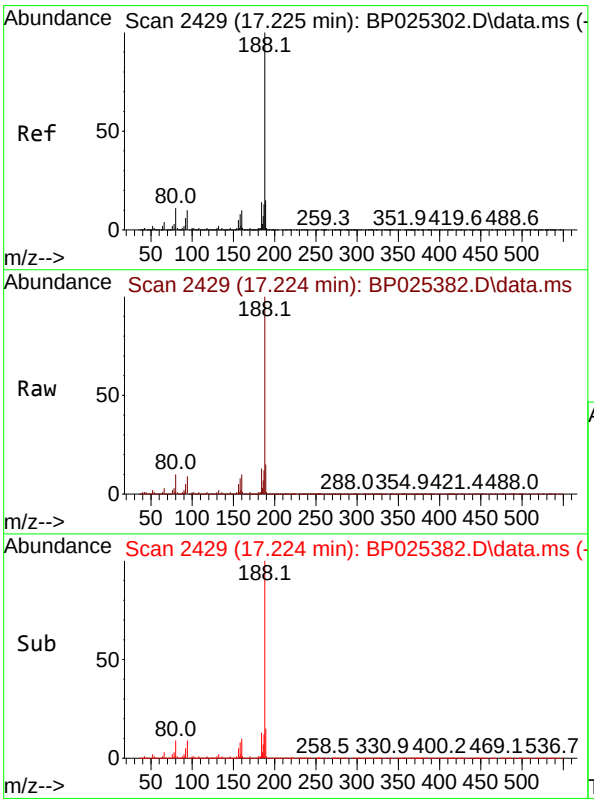
#63
Azobenzene
Concen: 4.644 ng
RT: 15.801 min Scan# 21
Delta R.T. 0.017 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion: 77 Resp: 133366

Ion	Ratio	Lower	Upper
77	100		
182	82.8	6.0	46.0#
105	157.2	2.1	42.1#
51	37.6	11.0	51.0

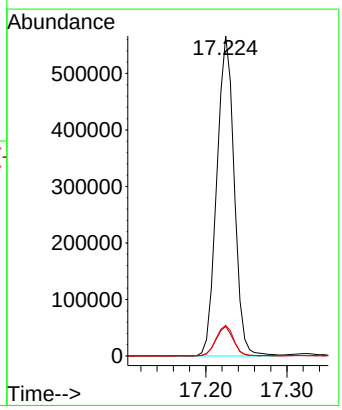


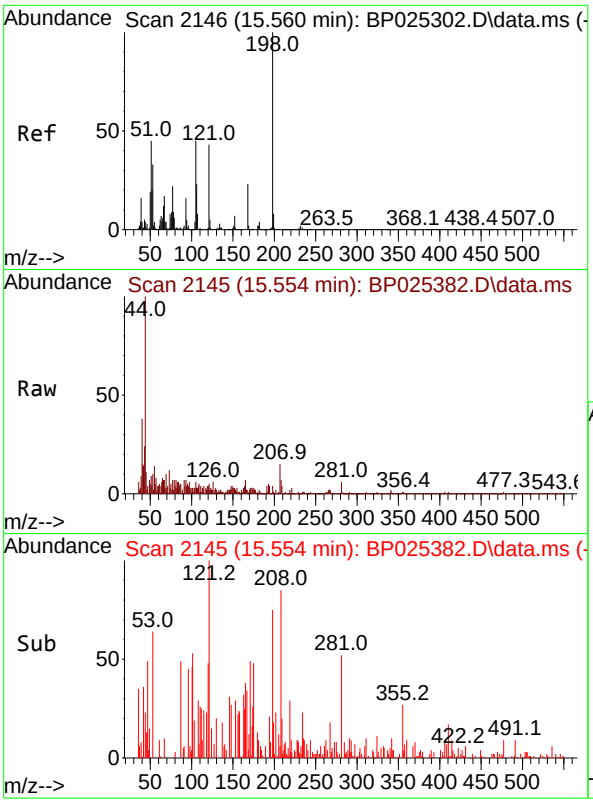


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:188 Resp: 846121

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.5	8.5	12.7



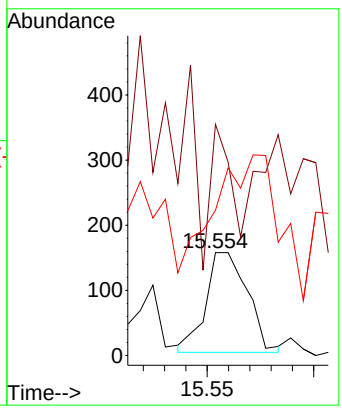


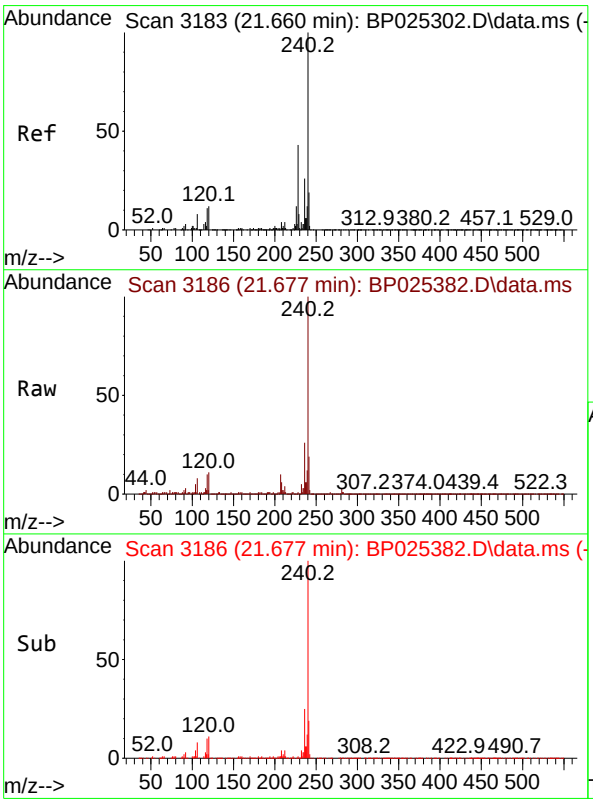
#65
4,6-Dinitro-2-methylphenol
Concen: 4.901 ng
RT: 15.554 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:198 Resp: 208

Ion	Ratio	Lower	Upper
198	100		
51	224.7	26.7	66.7#
105	141.1	25.6	65.6#

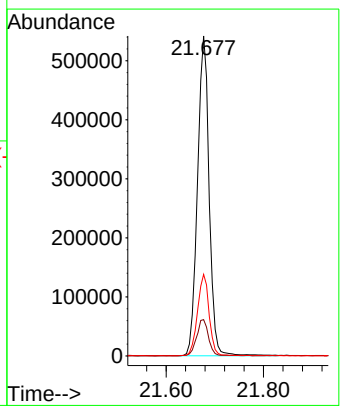


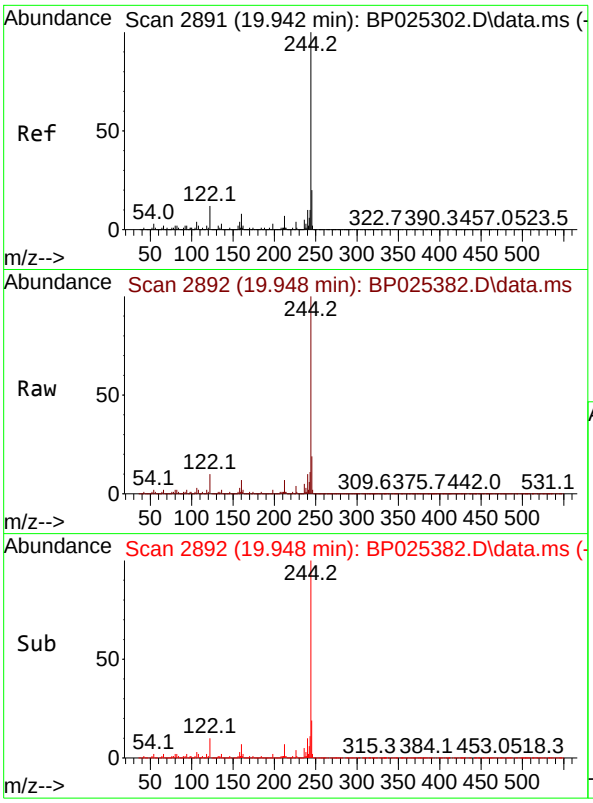


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3186
Delta R.T. 0.017 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:240 Resp: 902500

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	25.5	20.4	30.6



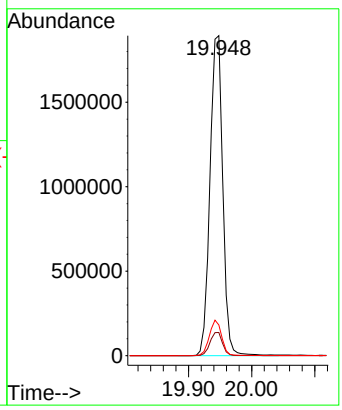


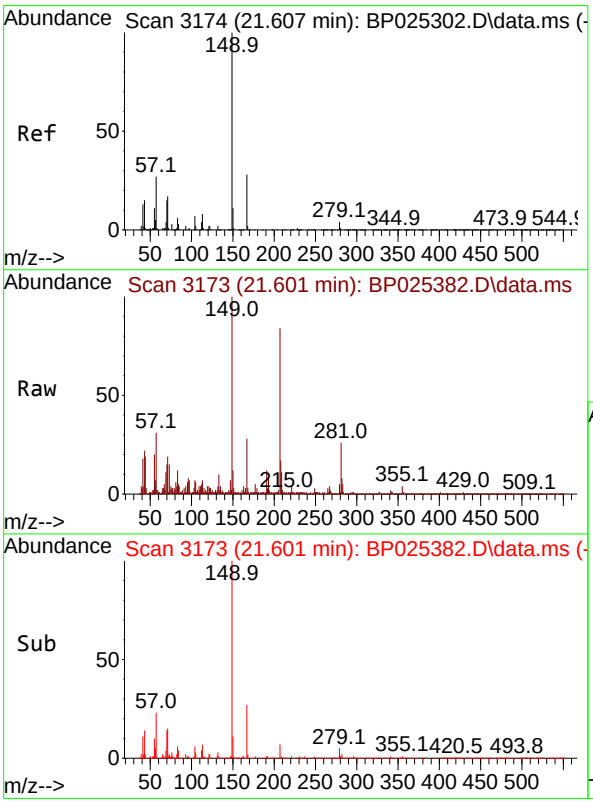
#79
Terphenyl-d14
Concen: 55.600 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:244 Resp: 2656673

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.6	9.5	14.3

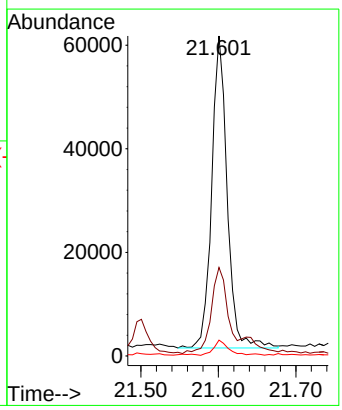


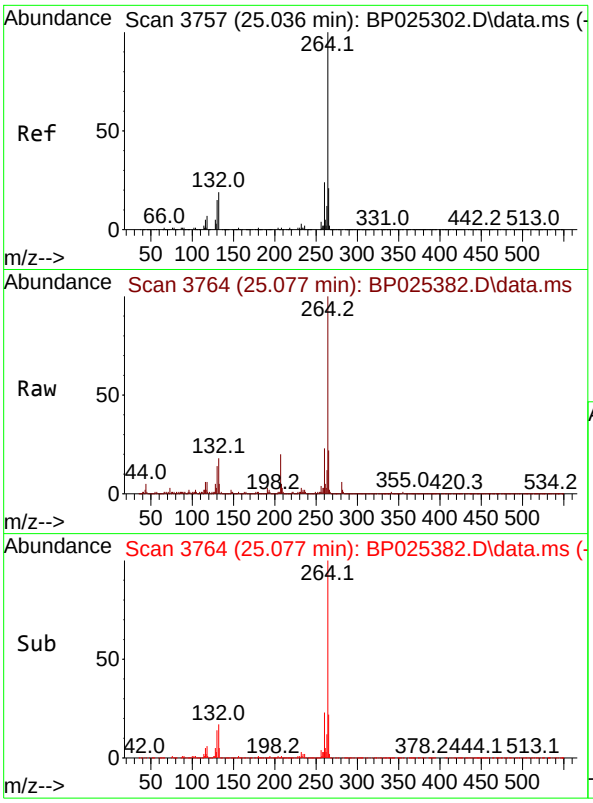


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.154 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Tgt Ion:149 Resp: 83712

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	5.0	3.4	5.2



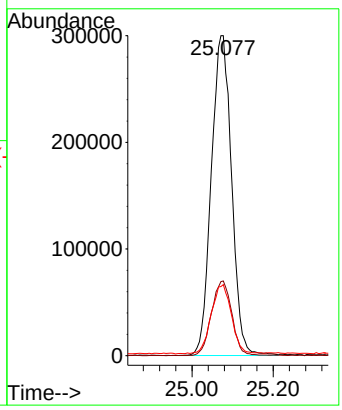


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.077 min Scan# 3
Delta R.T. 0.041 min
Lab File: BP025382.D
Acq: 13 Aug 2025 13:22

Instrument :
BNA_P
ClientSampleId :
518R-N

Tgt Ion:264 Resp: 1039991

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	17.1	25.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Time: Aug 13 17:51:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

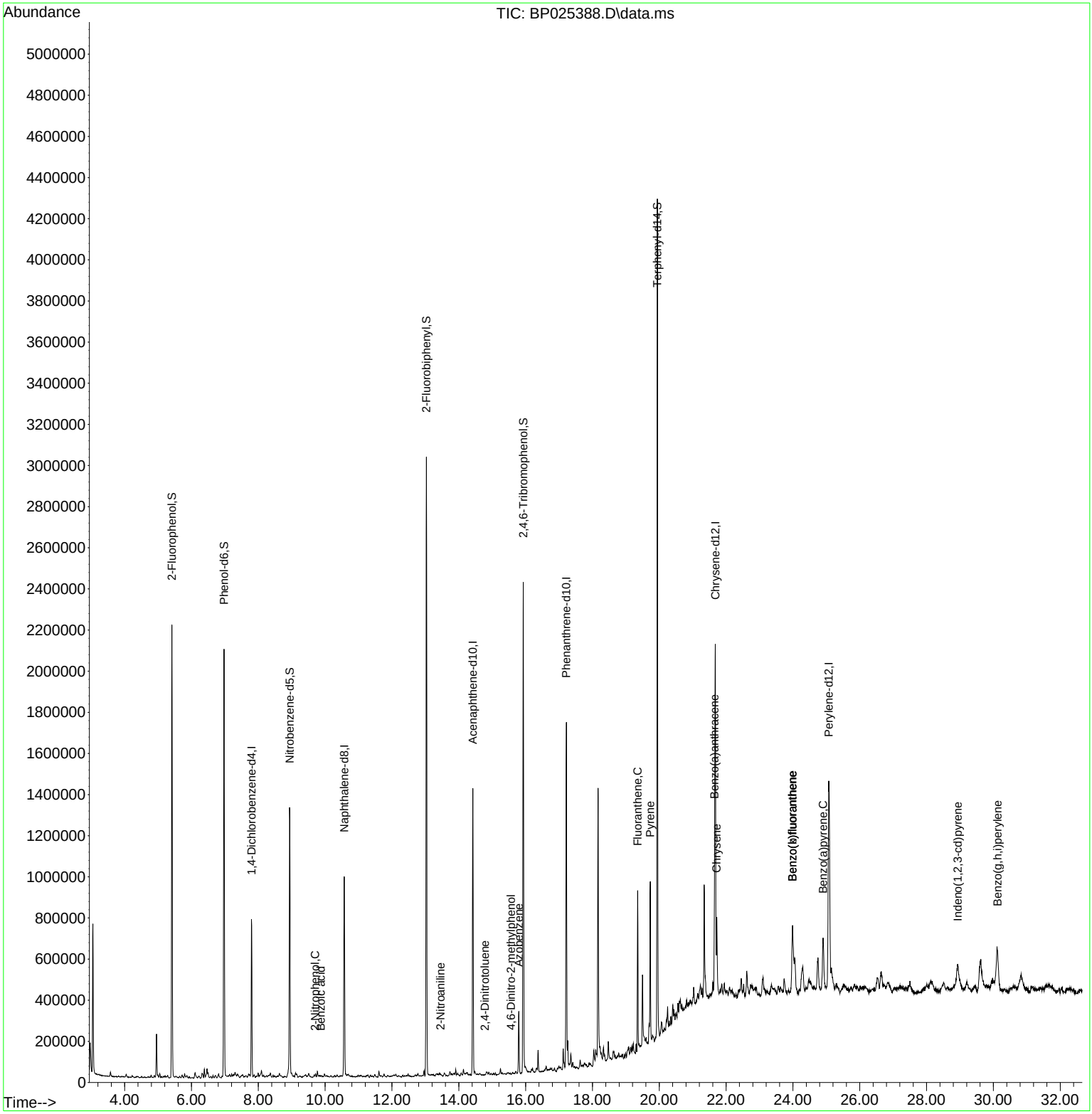
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.796	152	213360	20.000	ng		0.00
21) Naphthalene-d8	10.572	136	844787	20.000	ng		0.00
39) Acenaphthene-d10	14.419	164	533137	20.000	ng		0.00
64) Phenanthrene-d10	17.219	188	1007182	20.000	ng		0.00
76) Chrysene-d12	21.677	240	1023641	20.000	ng		0.02
86) Perylene-d12	25.071	264	1164080	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	970703	73.174	ng		0.00
7) Phenol-d6	6.972	99	1182042	67.705	ng		0.00
23) Nitrobenzene-d5	8.937	82	745957	48.920	ng		0.00
42) 2,4,6-Tribromophenol	15.931	330	488562	91.858	ng		0.00
45) 2-Fluorobiphenyl	13.031	172	1656974	42.928	ng		0.00
79) Terphenyl-d14	19.942	244	2052255	37.867	ng		0.00
Target Compounds							Qvalue
26) 2-Nitrophenol	9.701	139	63	3.648	ng	#	1
32) Benzoic acid	9.866	122	157	5.975	ng	#	47
48) 2-Nitroaniline	13.454	65	185	2.984	ng	#	21
57) 2,4-Dinitrotoluene	14.784	165	214	3.273	ng	#	68
63) Azobenzene	15.795	77	89682	2.464	ng	#	1
65) 4,6-Dinitro-2-methylph...	15.560	198	17	4.839	ng	#	1
75) Fluoranthene	19.354	202	469275	7.349	ng		99
78) Pyrene	19.730	202	474929	6.977	ng		100
81) Benzo(a)anthracene	21.654	228	295104	4.338	ng		97
83) Chrysene	21.718	228	260541	4.130	ng		97
87) Indeno(1,2,3-cd)pyrene	28.930	276	207487	2.487	ng	#	89
88) Benzo(b)fluoranthene	23.989	252	388202	5.571	ng		96
89) Benzo(k)fluoranthene	23.989	252	388202	5.620	ng		96
90) Benzo(a)pyrene	24.901	252	284283	4.236	ng		98
92) Benzo(g,h,i)perylene	30.124	276	206251	3.075	ng		96

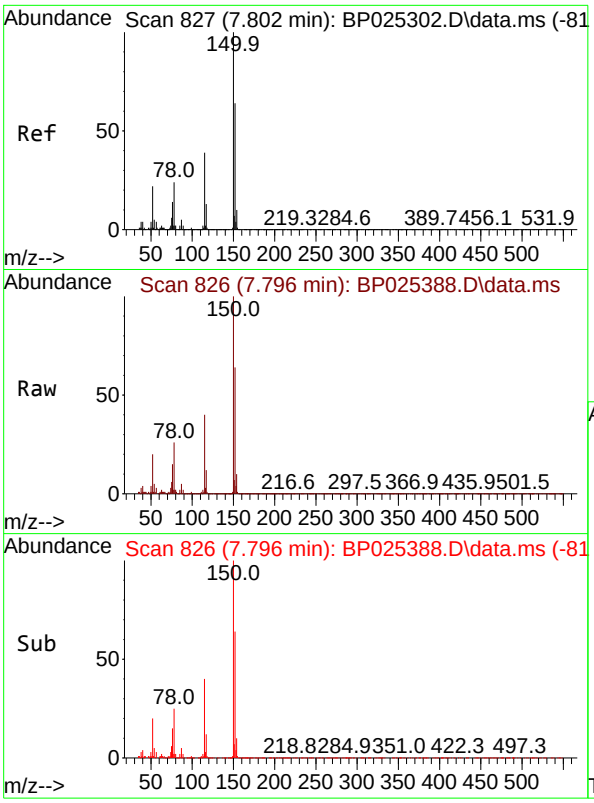
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
518R-S

Quant Time: Aug 13 17:51:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



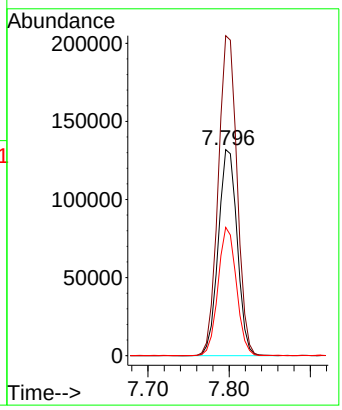


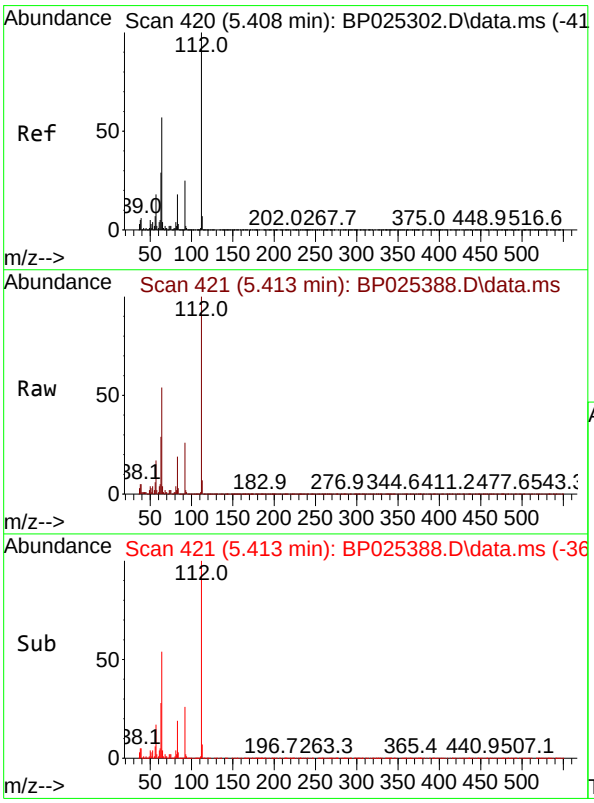
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:152 Resp: 213360

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.1	187.7
115	62.3	48.4	72.6

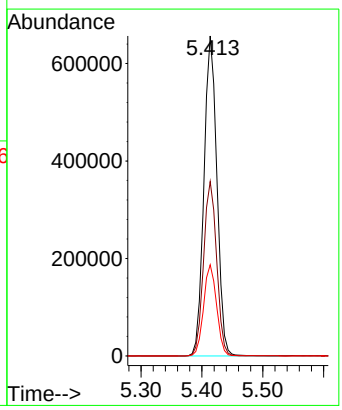


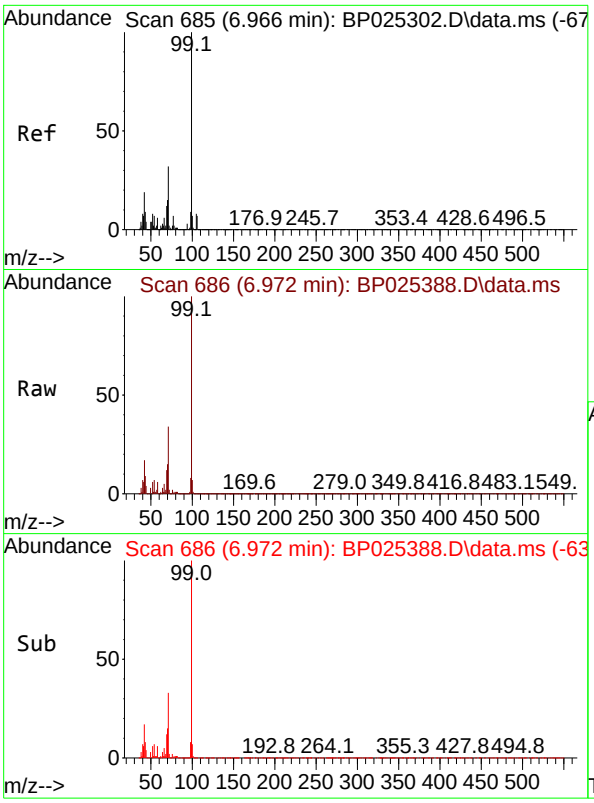


#5
2-Fluorophenol
Concen: 73.174 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:112 Resp: 970703

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.3	67.9
63	28.5	23.0	34.6



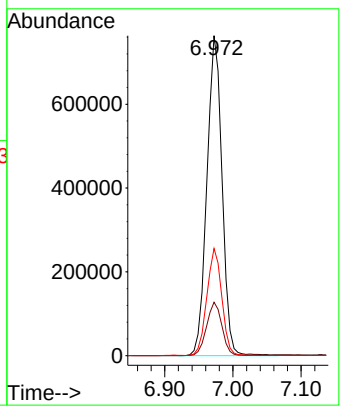


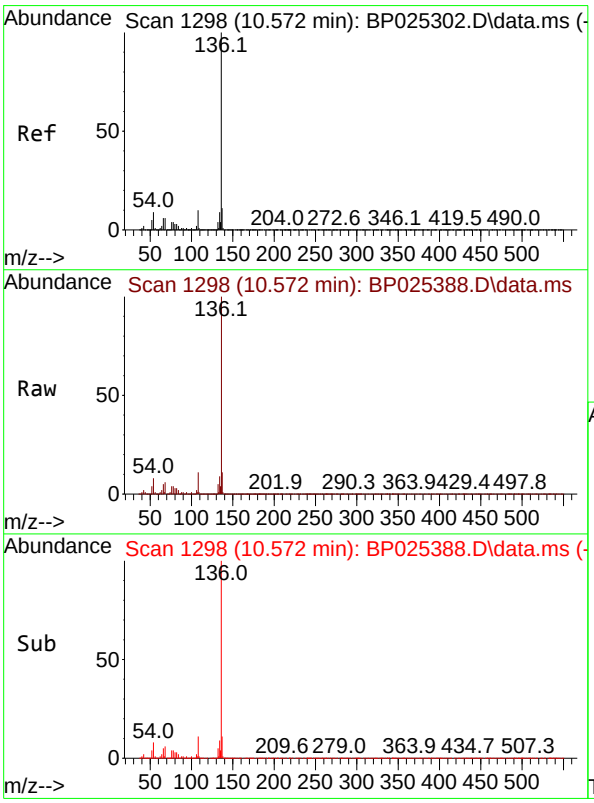
#7
Phenol-d6
Concen: 67.705 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion: 99 Resp: 1182042

Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.0	22.6
71	33.5	25.5	38.3

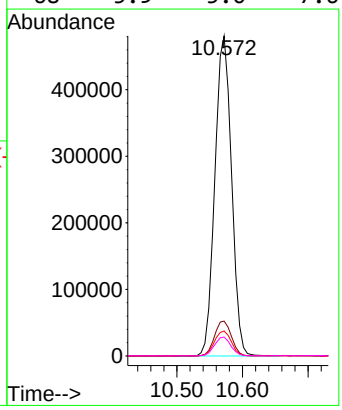


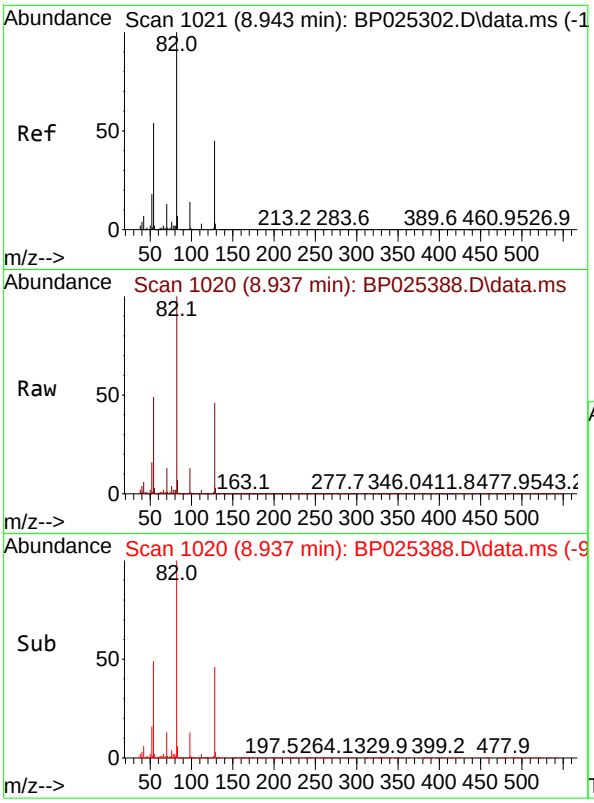


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:136 Resp: 844787

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.8	7.0	10.6
68	5.9	5.0	7.6



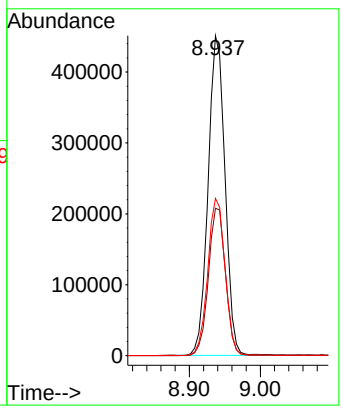


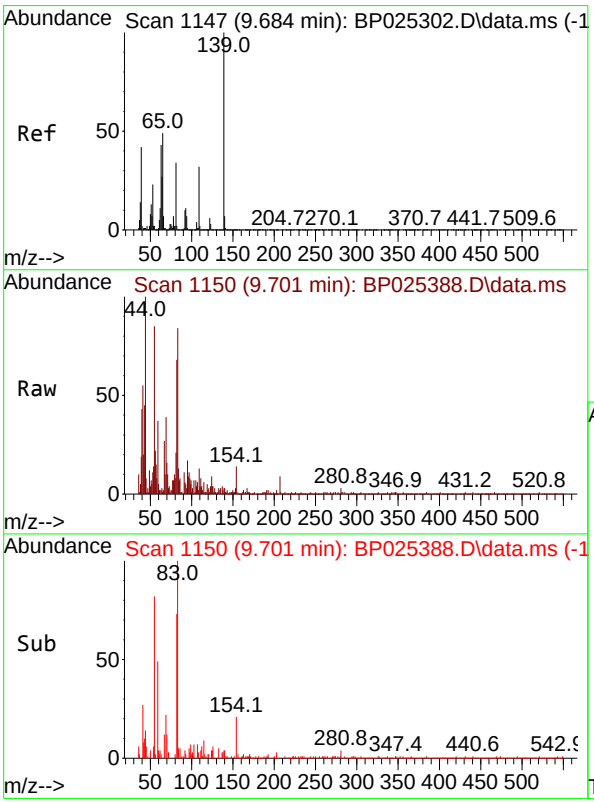
#23
Nitrobenzene-d5
Concen: 48.920 ng
RT: 8.937 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion: 82 Resp: 745957

Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.4	53.2
54	49.1	42.9	64.3

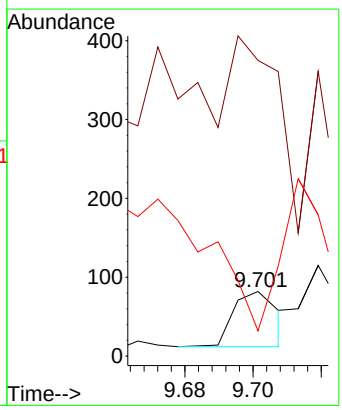


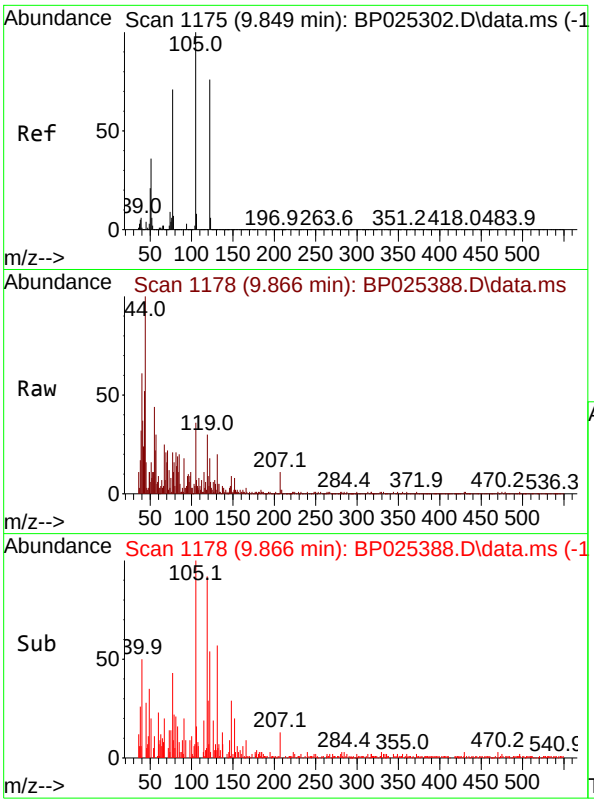


#26
2-Nitrophenol
Concen: 3.648 ng
RT: 9.701 min Scan# 1150
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:139 Resp: 63

Ion	Ratio	Lower	Upper
139	100		
109	457.3	25.2	37.8#
65	126.8	39.6	59.4#



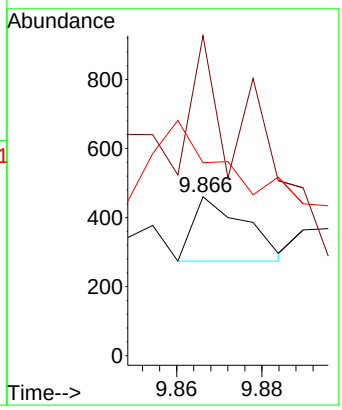


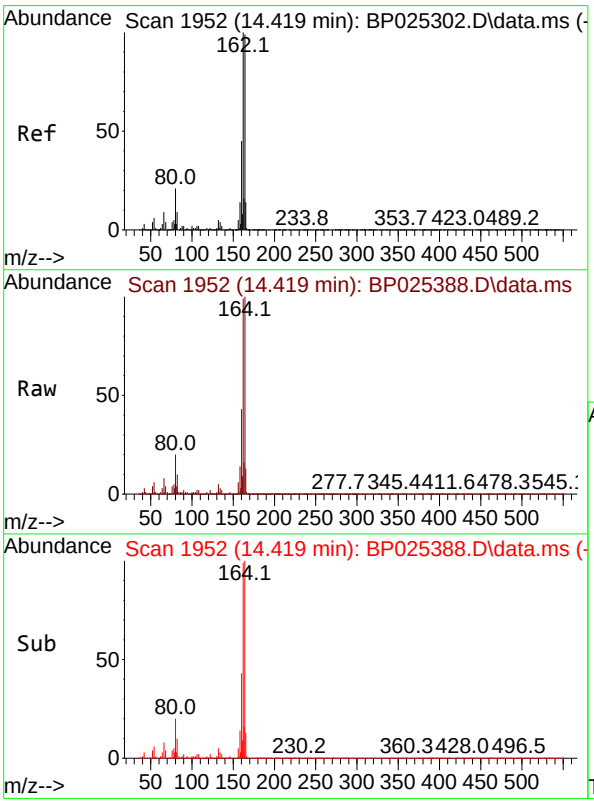
#32
Benzoic acid
Concen: 5.975 ng
RT: 9.866 min Scan# 11
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:122 Resp: 157

Ion	Ratio	Lower	Upper
122	100		
105	201.5	104.0	144.0#
77	121.5	71.8	111.8#

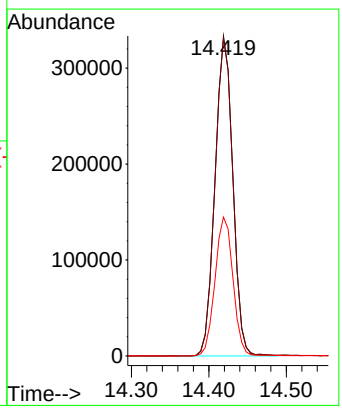


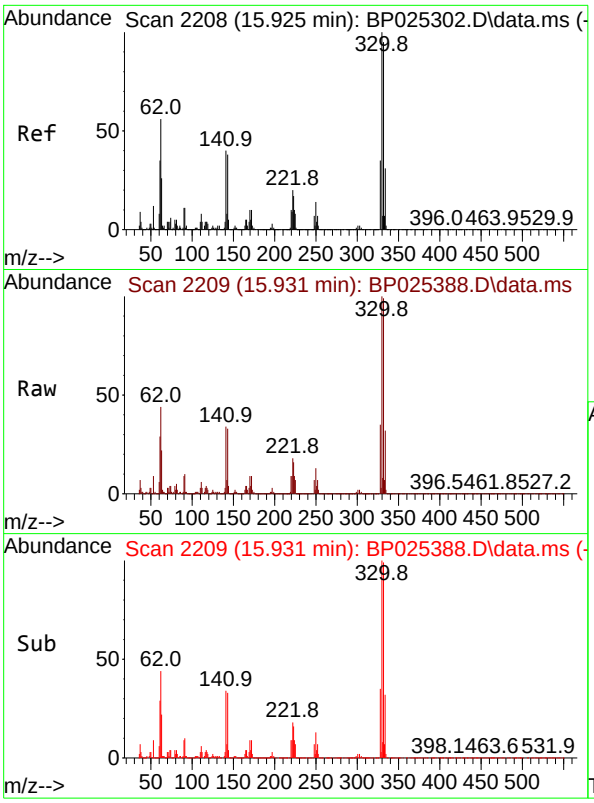


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:164 Resp: 533137

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	43.4	35.9	53.9



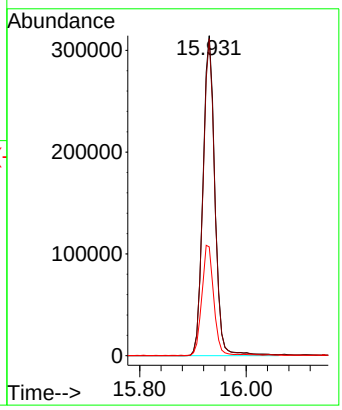


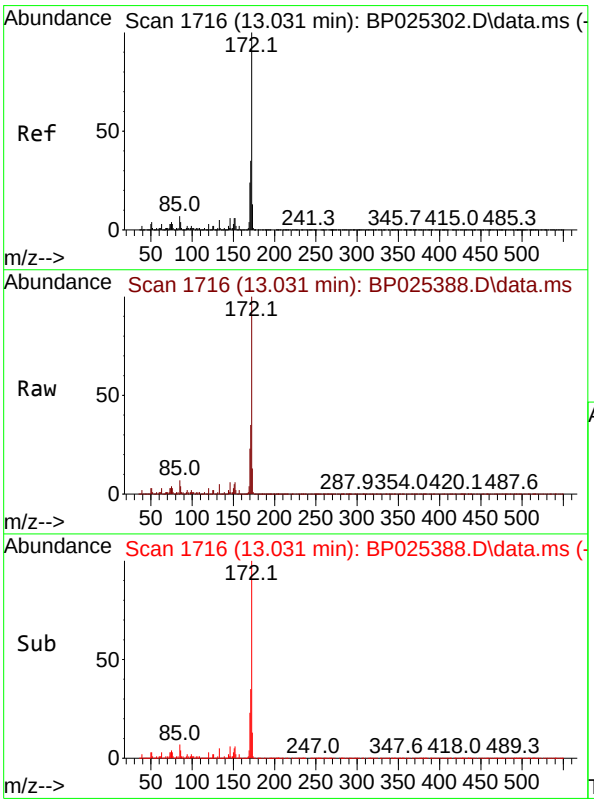
#42
2,4,6-Tribromophenol
Concen: 91.858 ng
RT: 15.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:330 Resp: 488562

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.0
141	34.6	31.7	47.5

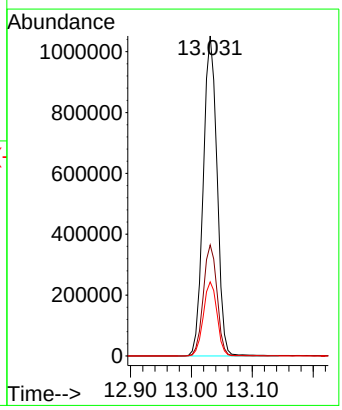


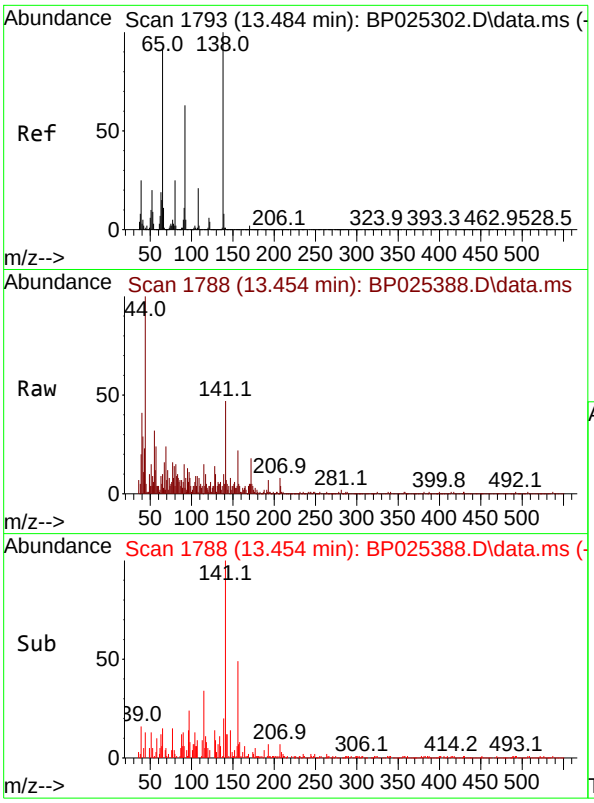


#45
2-Fluorobiphenyl
Concen: 42.928 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:172 Resp: 1656974

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.1	18.9	28.3



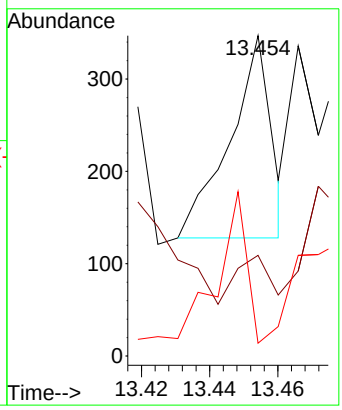


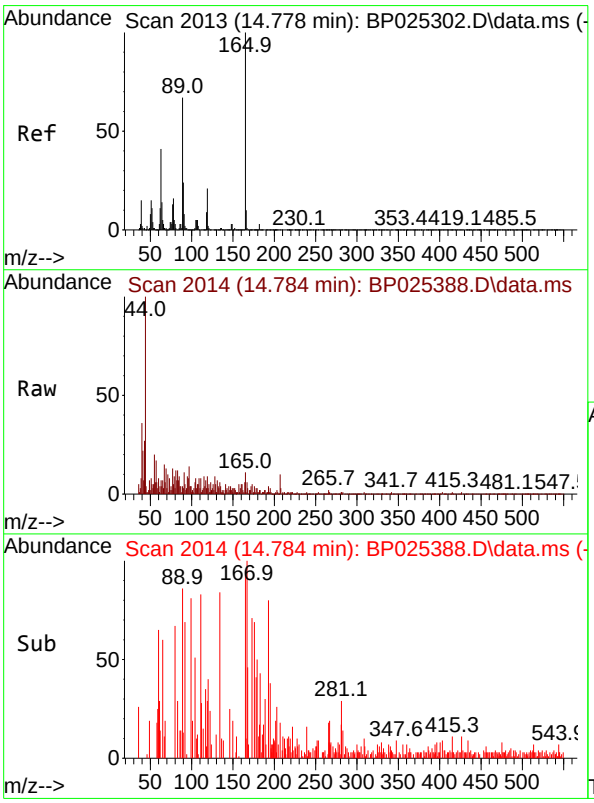
#48
2-Nitroaniline
Concen: 2.984 ng
RT: 13.454 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion: 65 Resp: 185

Ion	Ratio	Lower	Upper
65	100		
92	31.4	54.4	81.6#
138	4.0	87.0	130.4#

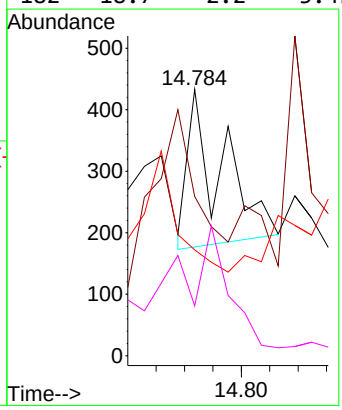


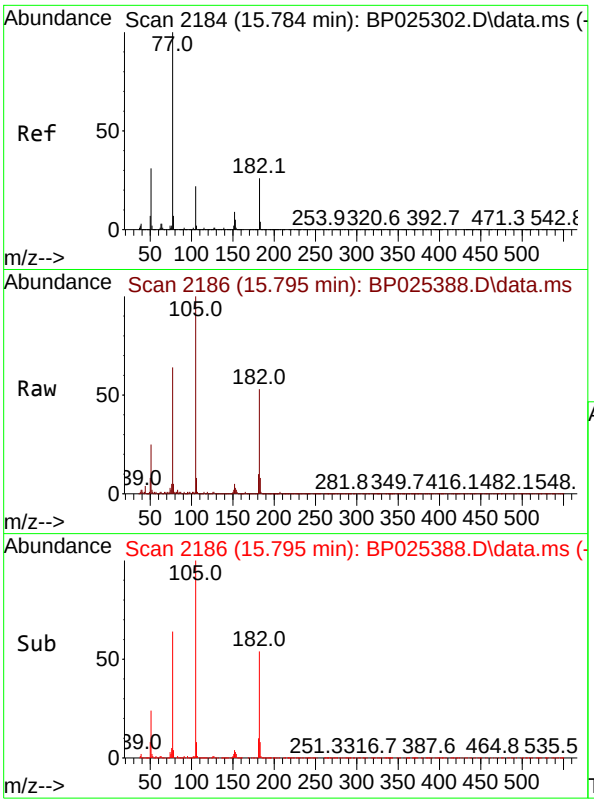


#57
2,4-Dinitrotoluene
Concen: 3.273 ng
RT: 14.784 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:165 Resp: 214

Ion	Ratio	Lower	Upper
165	100		
63	59.8	33.2	49.8#
89	39.7	53.5	80.3#
182	18.7	2.2	3.4#



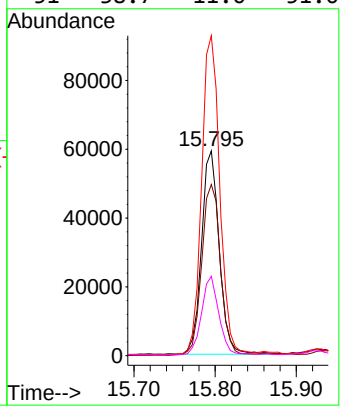


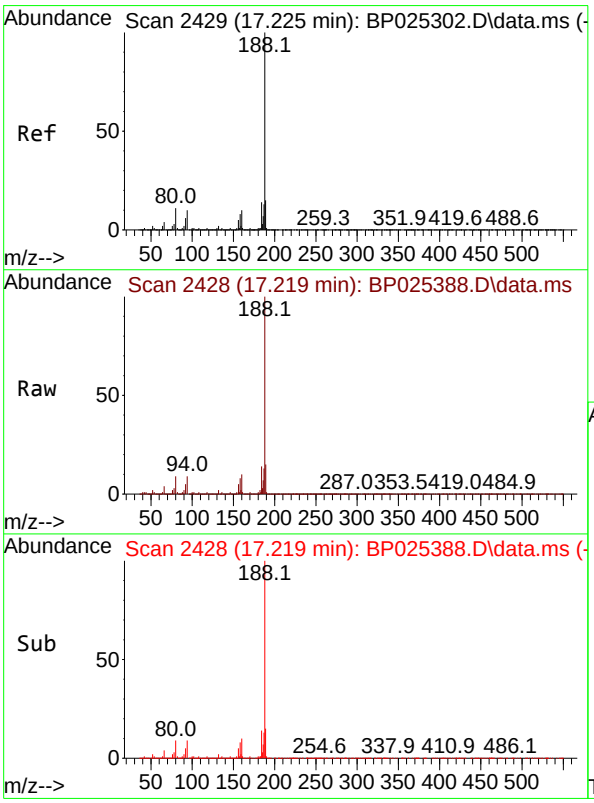
#63
Azobenzene
Concen: 2.464 ng
RT: 15.795 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion: 77 Resp: 89682

Ion	Ratio	Lower	Upper
77	100		
182	83.6	6.0	46.0#
105	156.2	2.1	42.1#
51	38.7	11.0	51.0

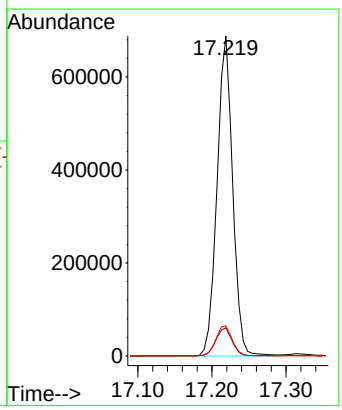


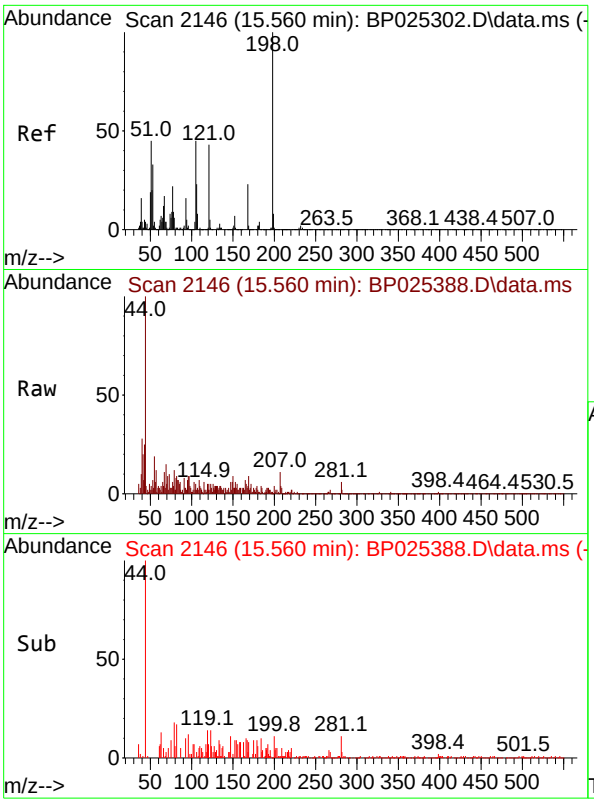


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:188 Resp: 1007182

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.4	8.5	12.7



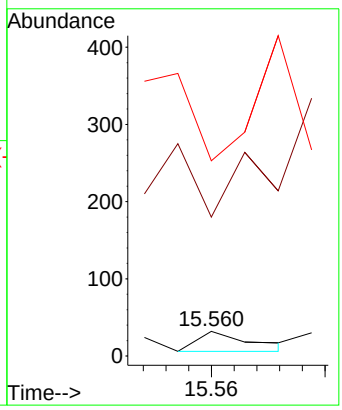


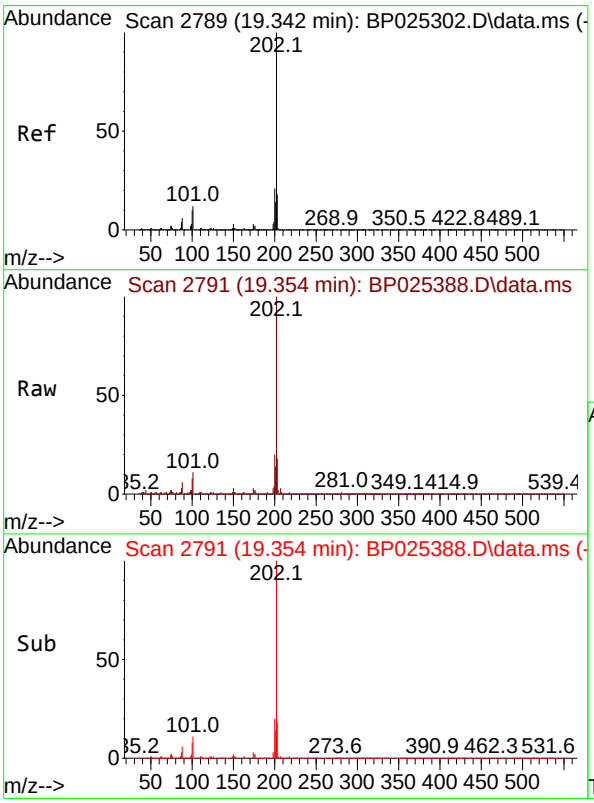
#65
4,6-Dinitro-2-methylphenol
Concen: 4.839 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:198 Resp: 17

Ion	Ratio	Lower	Upper
198	100		
51	562.5	26.7	66.7#
105	790.6	25.6	65.6#

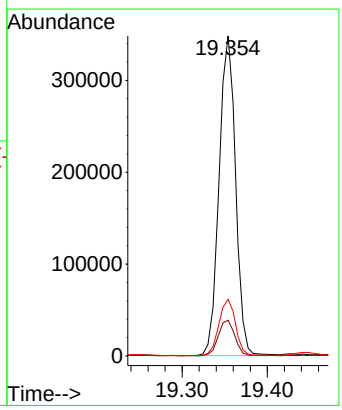


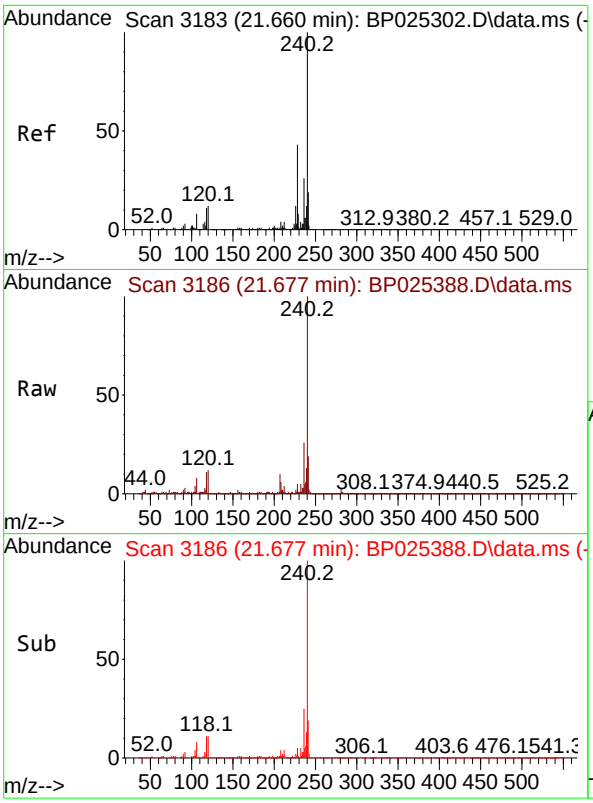


#75
Fluoranthene
Concen: 7.349 ng
RT: 19.354 min Scan# 2791
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 469275

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.5
203	17.7	0.0	37.6



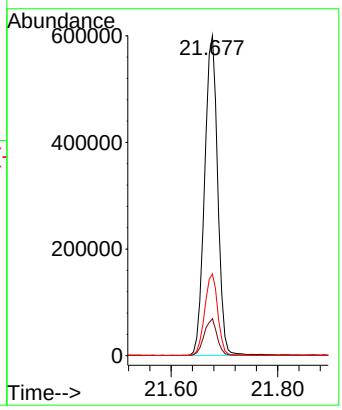


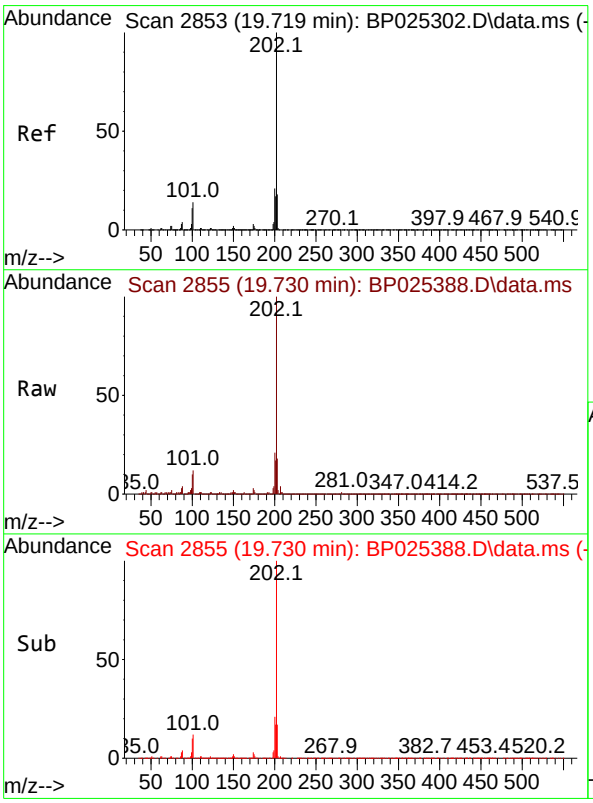
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:240 Resp: 1023641

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.6	14.4
236	25.5	20.4	30.6

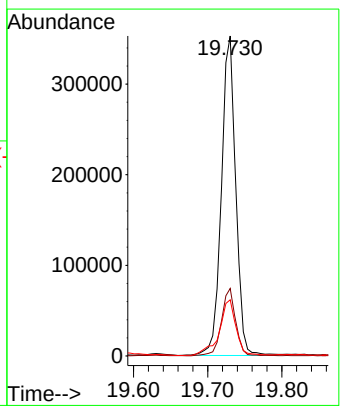


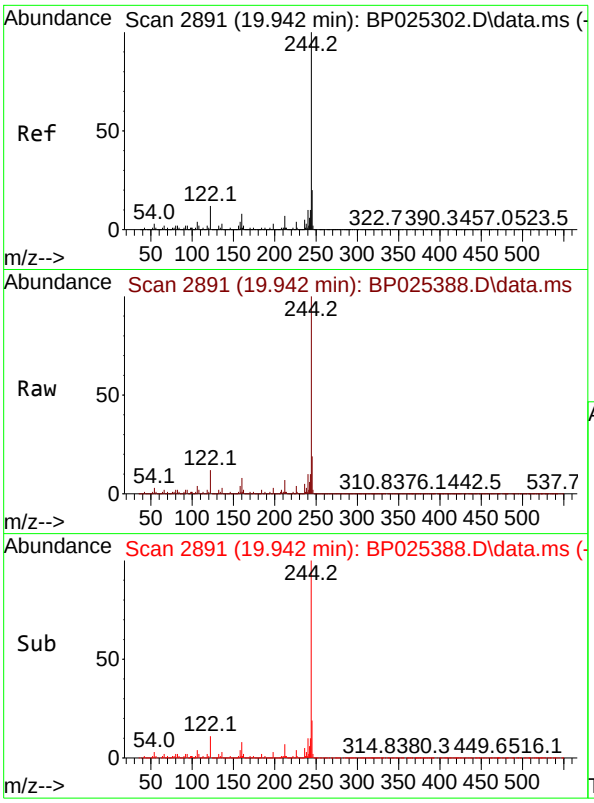


#78
Pyrene
Concen: 6.977 ng
RT: 19.730 min Scan# 2855
Delta R.T. 0.011 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 474929

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.6	14.1	21.1



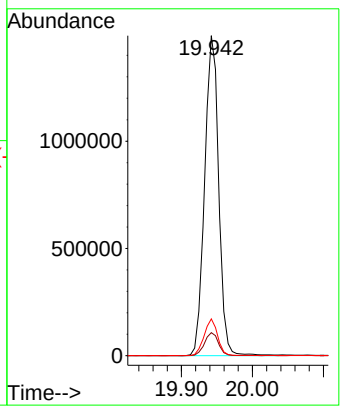


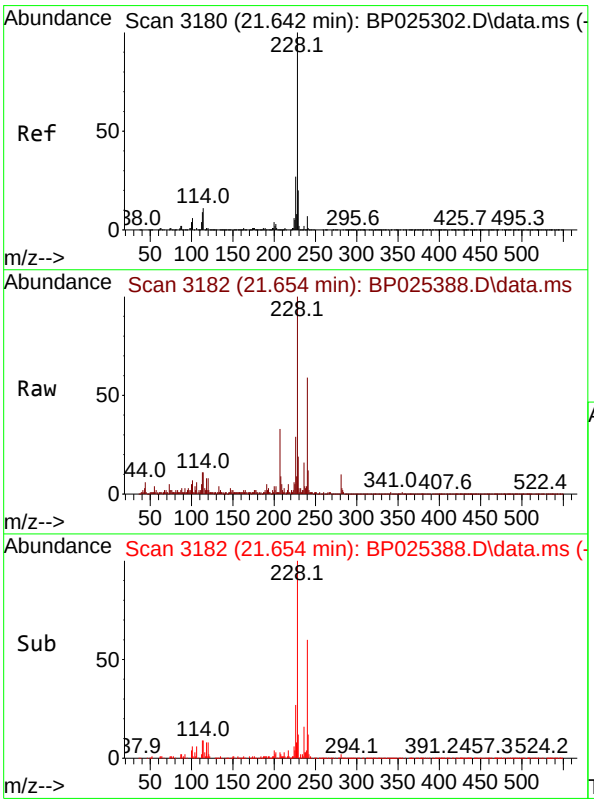
#79
Terphenyl-d14
Concen: 37.867 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:244 Resp: 2052255

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.5	9.5	14.3

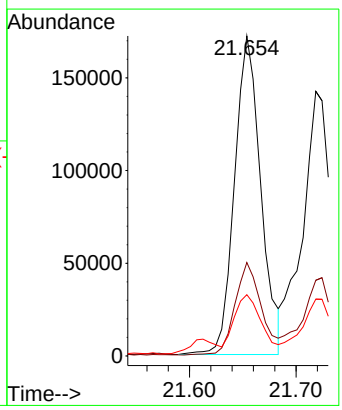


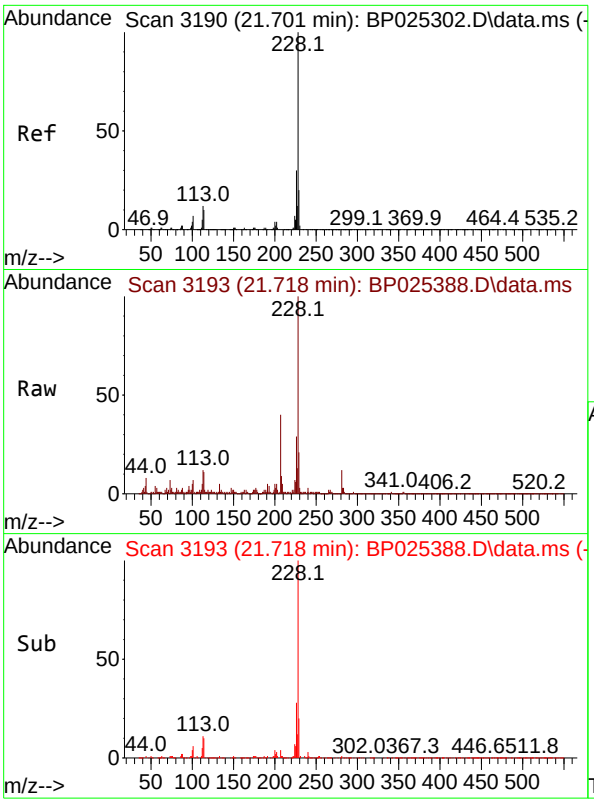


#81
Benzo(a)anthracene
Concen: 4.338 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:228 Resp: 295104

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	19.1	16.0	24.0



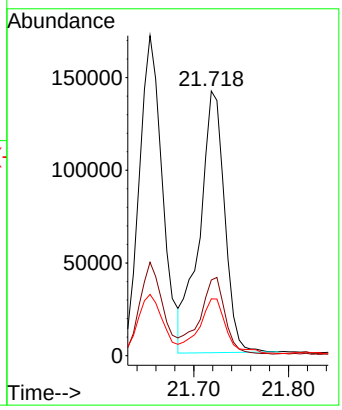


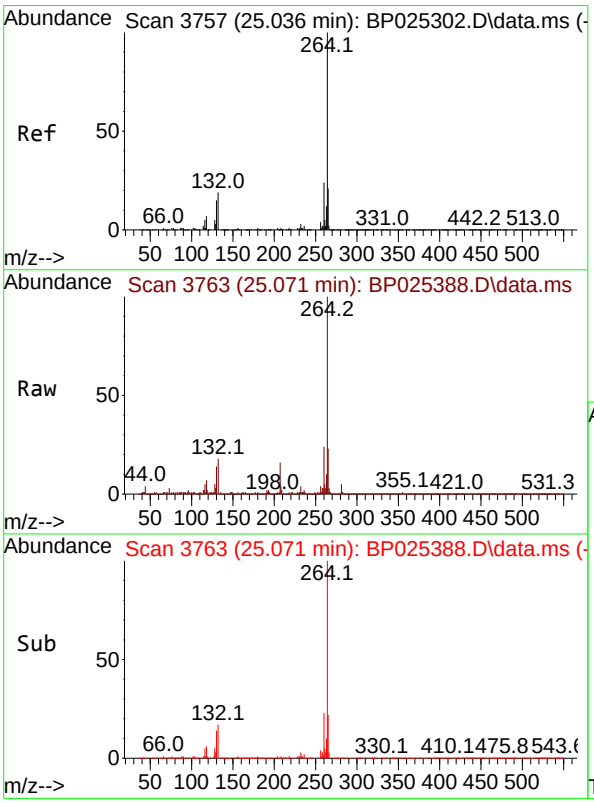
#83
Chrysene
Concen: 4.130 ng
RT: 21.718 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:228 Resp: 260541

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.3	36.5
229	21.4	15.9	23.9

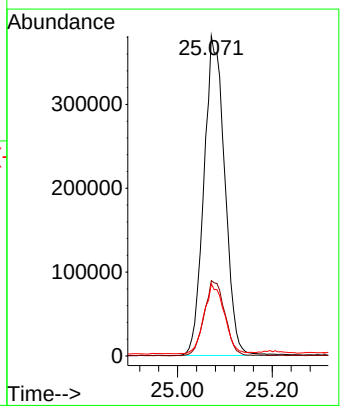


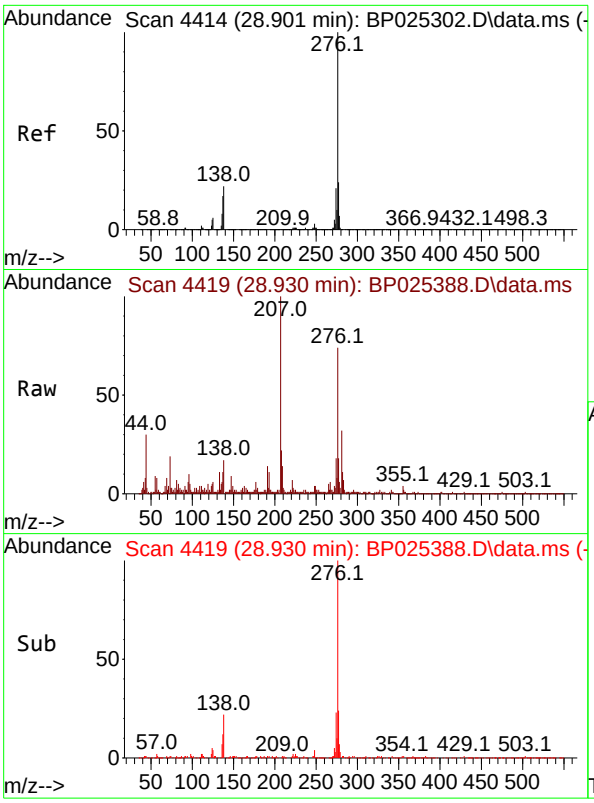


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.071 min Scan# 3763
Delta R.T. 0.035 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:264 Resp: 1164080

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	17.1	25.7



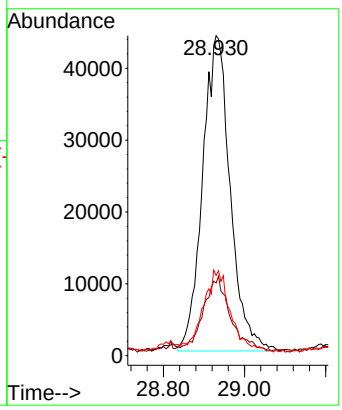


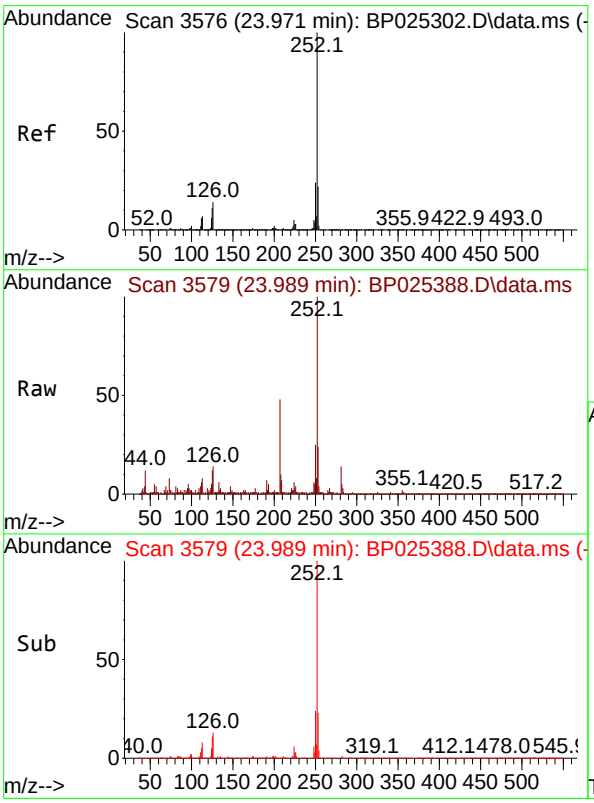
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.487 ng
RT: 28.930 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:276 Resp: 207487

Ion	Ratio	Lower	Upper
276	100		
138	23.2	14.6	22.0#
277	25.9	16.8	25.2#

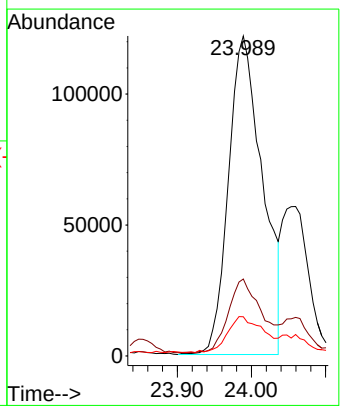


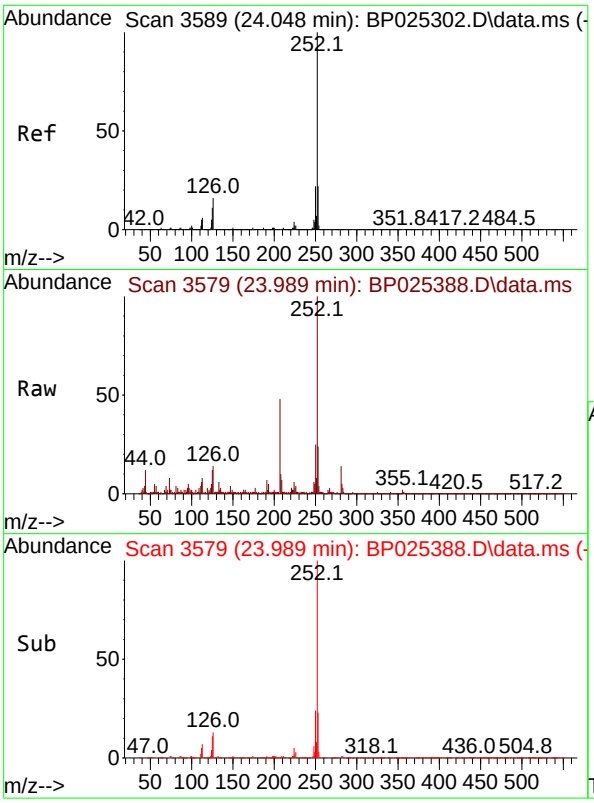


#88
Benzo(b)fluoranthene
Concen: 5.571 ng
RT: 23.989 min Scan# 3579
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 388202

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	12.3	8.5	12.7



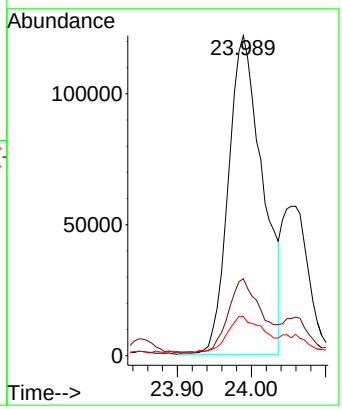


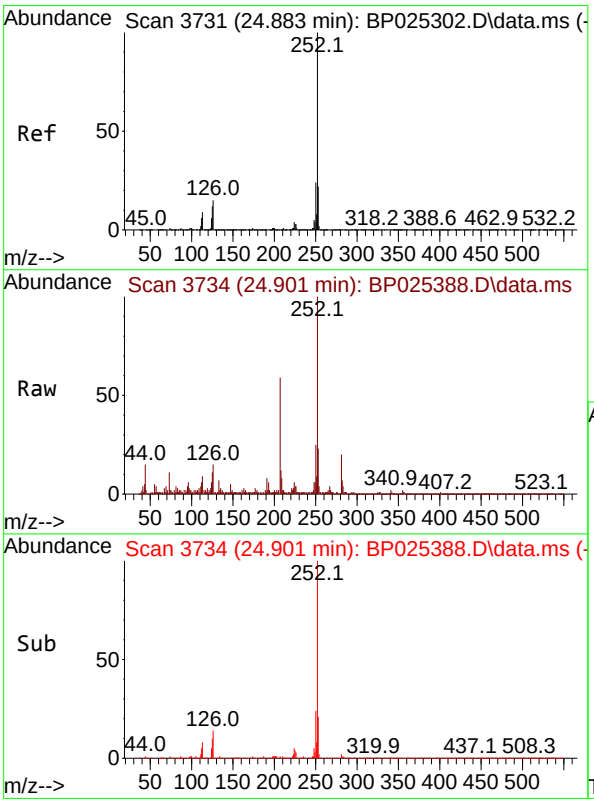
#89
Benzo(k)fluoranthene
Concen: 5.620 ng
RT: 23.989 min Scan# 3
Delta R.T. -0.059 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:252 Resp: 388202

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	12.3	8.5	12.7

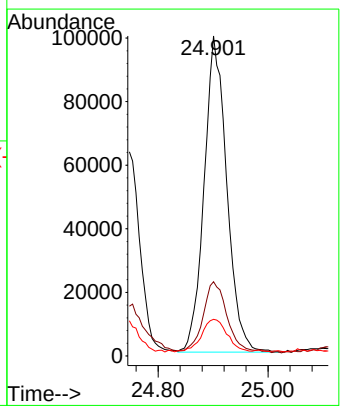


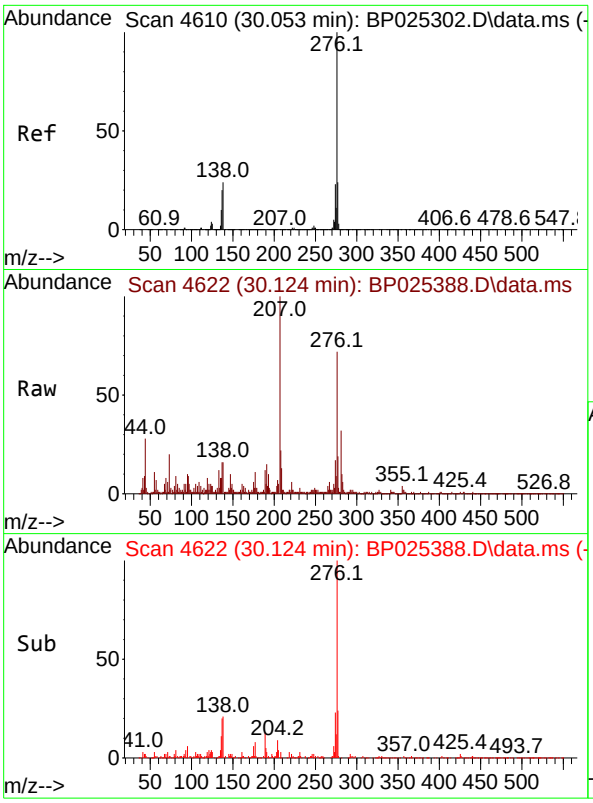


#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:252 Resp: 284283

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.5	9.4	14.0



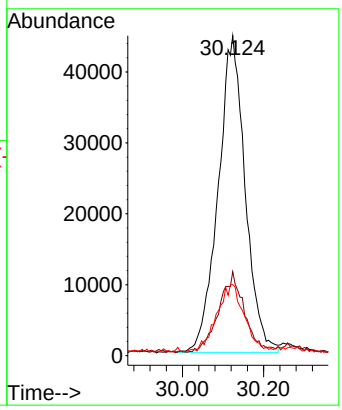


#92
Benzo(g,h,i)perylene
Concen: 3.075 ng
RT: 30.124 min Scan# 4
Delta R.T. 0.071 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:276 Resp: 206251

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.3	28.9
138	22.2	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.801	152	184702	20.000	ng		0.00
21) Naphthalene-d8	10.578	136	736218	20.000	ng		0.00
39) Acenaphthene-d10	14.424	164	463395	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	942404	20.000	ng		0.00
76) Chrysene-d12	21.665	240	1019671	20.000	ng		0.00
86) Perylene-d12	25.059	264	1166515	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.413	112	896126	78.034	ng		0.00
7) Phenol-d6	6.972	99	1100976	72.847	ng		0.00
23) Nitrobenzene-d5	8.936	82	1136884	85.552	ng		0.00
42) 2,4,6-Tribromophenol	15.936	330	512553	110.873	ng		0.01
45) 2-Fluorobiphenyl	13.036	172	2714182	80.900	ng		0.00
79) Terphenyl-d14	19.948	244	4405762	81.610	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	171067	37.748	ng		96
3) Pyridine	3.731	79	442368	35.134	ng		96
4) n-Nitrosodimethylamine	3.631	42	188153	32.188	ng	#	95
6) Aniline	7.131	93	724014	34.897	ng		99
8) 2-Chlorophenol	7.372	128	500853	39.844	ng		97
9) Benzaldehyde	6.942	77	448384	41.771	ng		98
10) Phenol	7.001	94	568907	35.181	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	457720	36.125	ng		98
12) 1,3-Dichlorobenzene	7.689	146	561340	39.743	ng		99
13) 1,4-Dichlorobenzene	7.831	146	570722	39.939	ng		97
14) 1,2-Dichlorobenzene	8.148	146	543452	39.259	ng		98
15) Benzyl Alcohol	8.031	79	412992	35.252	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	628261	31.389	ng		95
17) 2-Methylphenol	8.231	107	392344	36.260	ng		97
18) Hexachloroethane	8.872	117	213457	41.770	ng		91
19) n-Nitroso-di-n-propyla...	8.589	70	346148	34.859	ng		94
20) 3+4-Methylphenols	8.554	107	525616	35.276	ng		99
22) Acetophenone	8.601	105	716512	38.768	ng		97
24) Nitrobenzene	8.978	77	507543	40.347	ng		96
25) Isophorone	9.513	82	982573	37.145	ng		99
26) 2-Nitrophenol	9.684	139	271753	49.472	ng		97
27) 2,4-Dimethylphenol	9.748	122	455846	37.378	ng		94
28) bis(2-Chloroethoxy)met...	9.978	93	613737	38.140	ng		100
29) 2,4-Dichlorophenol	10.225	162	450740	42.216	ng		99
30) 1,2,4-Trichlorobenzene	10.436	180	508300	43.152	ng		99
31) Naphthalene	10.625	128	1527522	39.968	ng		99
32) Benzoic acid	9.883	122	318796	46.453	ng		99
33) 4-Chloroaniline	10.725	127	625936	36.824	ng		99
34) Hexachlorobutadiene	10.913	225	322850	47.747	ng		98
35) Caprolactam	11.507	113	153606	37.085	ng	#	87
36) 4-Chloro-3-methylphenol	11.854	107	486095	39.346	ng		99
37) 2-Methylnaphthalene	12.230	142	985811	39.851	ng		100
38) 1-Methylnaphthalene	12.454	142	1027342	39.802	ng		100
40) 1,2,4,5-Tetrachloroben...	12.607	216	559369	44.214	ng		99
41) Hexachlorocyclopentadiene	12.595	237	299470	38.353	ng		98
43) 2,4,6-Trichlorophenol	12.848	196	368871	45.134	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 18:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.919	196	402704	43.925	ng		99
46) 1,1'-Biphenyl	13.254	154	1363544	39.928	ng		99
47) 2-Chloronaphthalene	13.295	162	1065180	40.884	ng		99
48) 2-Nitroaniline	13.483	65	300035	39.849	ng		98
49) Acenaphthylene	14.136	152	1721913	39.622	ng		100
50) Dimethylphthalate	13.872	163	1341204	39.703	ng		100
51) 2,6-Dinitrotoluene	13.989	165	287495	46.139	ng		92
52) Acenaphthene	14.483	154	1013099	38.218	ng		99
53) 3-Nitroaniline	14.319	138	309614	42.464	ng		94
54) 2,4-Dinitrophenol	14.524	184	117674	46.258	ng	#	50
55) Dibenzofuran	14.824	168	1594419	40.249	ng		99
56) 4-Nitrophenol	14.636	139	253454	39.388	ng		96
57) 2,4-Dinitrotoluene	14.783	165	413517	43.163	ng		99
58) Fluorene	15.489	166	1236568	39.744	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.060	232	352030	45.967	ng		97
60) Diethylphthalate	15.260	149	1405313	41.263	ng		100
61) 4-Chlorophenyl-phenyle...	15.483	204	631982	42.846	ng		99
62) 4-Nitroaniline	15.495	138	309199	42.799	ng		98
63) Azobenzene	15.783	77	1193034	37.708	ng		98
65) 4,6-Dinitro-2-methylph...	15.560	198	187566	45.770	ng		94
66) n-Nitrosodiphenylamine	15.701	169	1127513	39.294	ng		100
67) 4-Bromophenyl-phenylether	16.401	248	412364	43.488	ng		98
68) Hexachlorobenzene	16.518	284	474025	44.553	ng		95
69) Atrazine	16.677	200	428489	42.462	ng		99
70) Pentachlorophenol	16.871	266	316137	46.638	ng		99
71) Phenanthrene	17.271	178	2027625	39.282	ng		100
72) Anthracene	17.365	178	2100517	40.360	ng		100
73) Carbazole	17.636	167	1967991	39.392	ng		99
74) Di-n-butylphthalate	18.248	149	2689910	44.506	ng		99
75) Fluoranthene	19.348	202	2507136	41.959	ng		98
77) Benzidine	19.542	184	1560704	42.288	ng		99
78) Pyrene	19.724	202	2631764	38.813	ng		99
80) Butylbenzylphthalate	20.677	149	1300248	47.282	ng		96
81) Benzo(a)anthracene	21.648	228	2703813	39.903	ng		100
82) 3,3'-Dichlorobenzidine	21.571	252	1031182	43.133	ng		98
83) Chrysene	21.712	228	2508190	39.909	ng		99
84) Bis(2-ethylhexyl)phtha...	21.601	149	2030394	46.239	ng		99
85) Di-n-octyl phthalate	22.900	149	3513733	47.807	ng		96
87) Indeno(1,2,3-cd)pyrene	28.947	276	3398258	40.644	ng		99
88) Benzo(b)fluoranthene	23.995	252	2746202	39.327	ng		99
89) Benzo(k)fluoranthene	24.071	252	2706136	39.093	ng		98
90) Benzo(a)pyrene	24.906	252	2669640	39.699	ng		99
91) Dibenzo(a,h)anthracene	29.024	278	2785665	40.680	ng		97
92) Benzo(g,h,i)perylene	30.124	276	2693148	40.074	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025389.D
Acq On : 13 Aug 2025 18:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 13 18:54:49 2025
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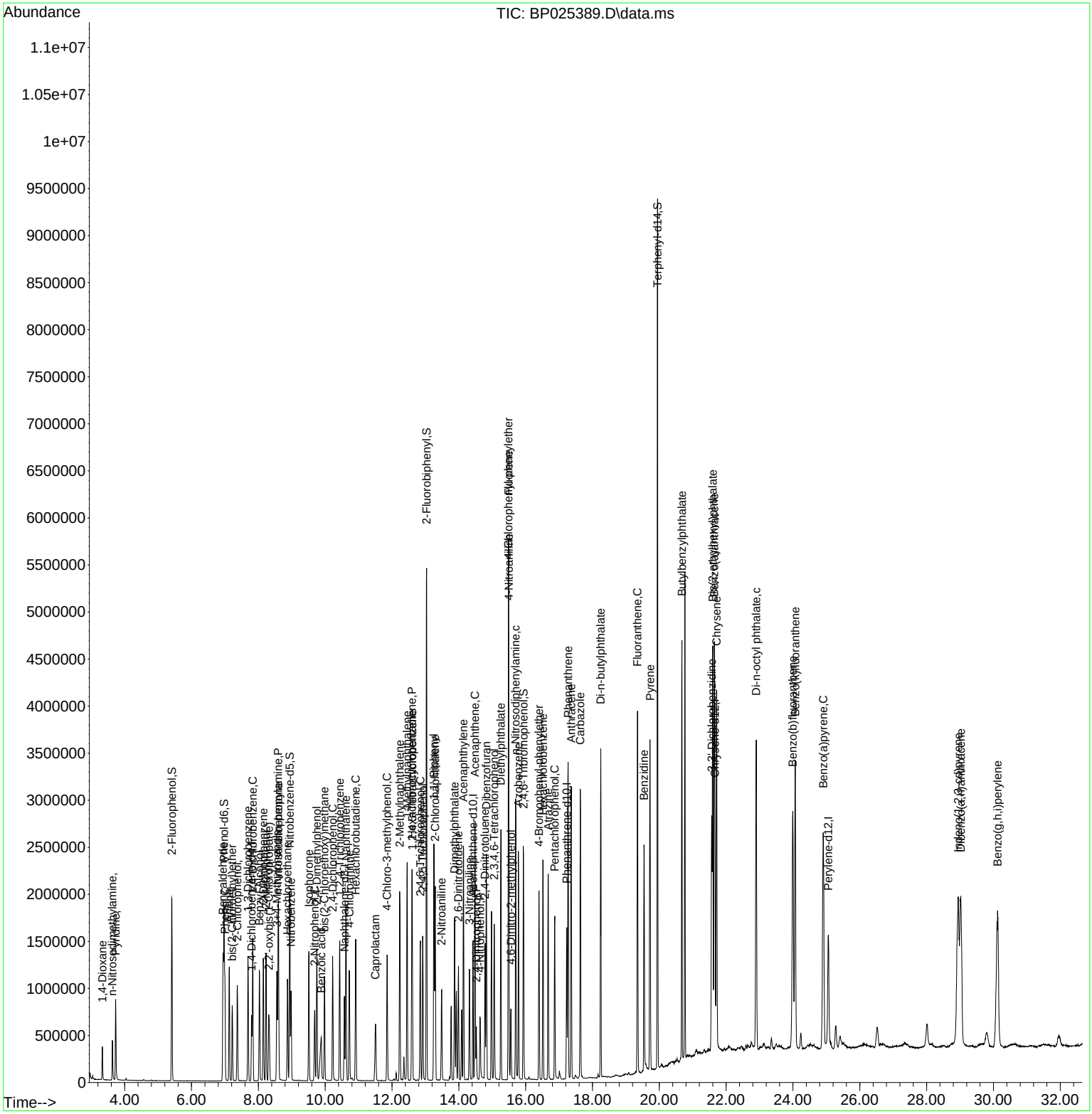
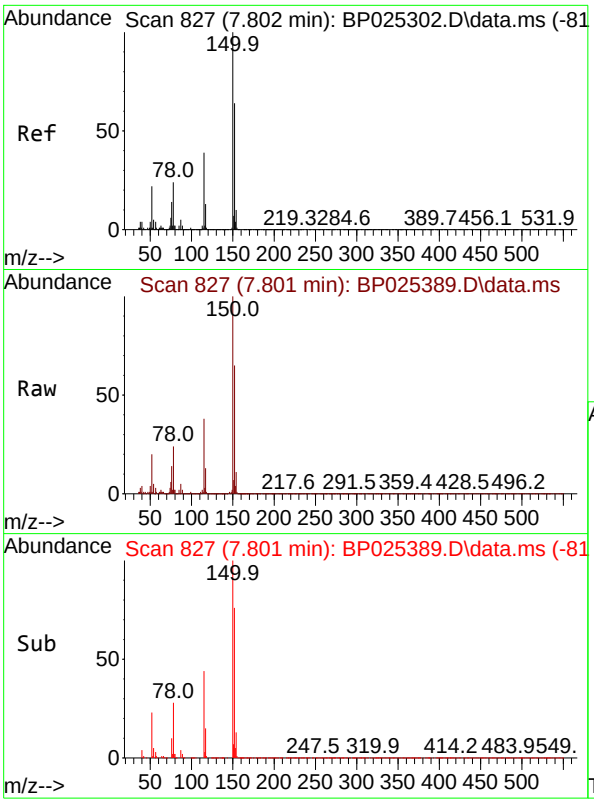
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration



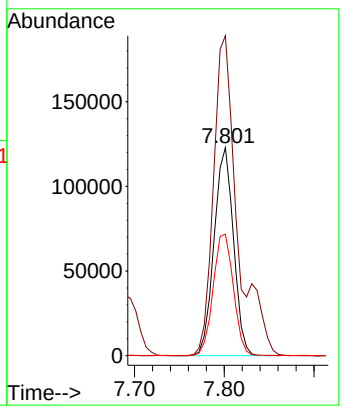


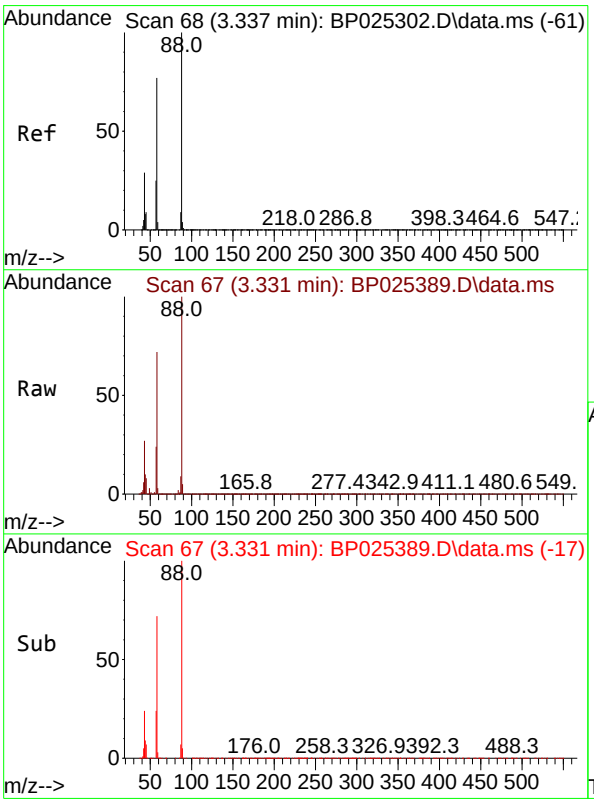
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.801 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 184702

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.1	187.7
115	58.4	48.4	72.6

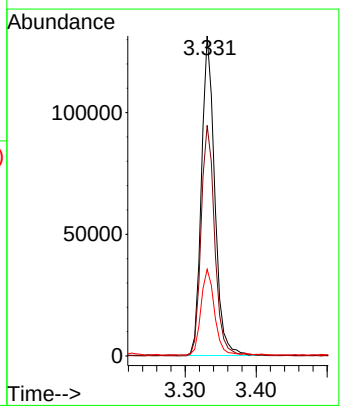


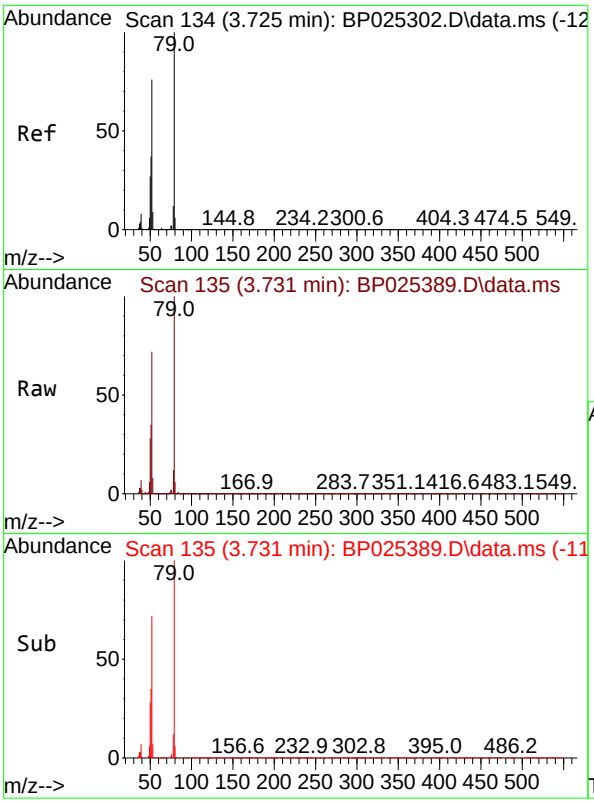


#2
1,4-Dioxane
Concen: 37.748 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 88 Resp: 171067

Ion	Ratio	Lower	Upper
88	100		
58	74.1	61.9	92.9
43	27.2	24.2	36.2



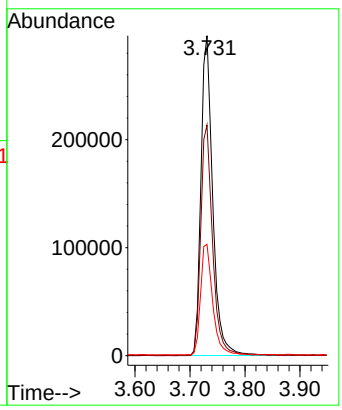


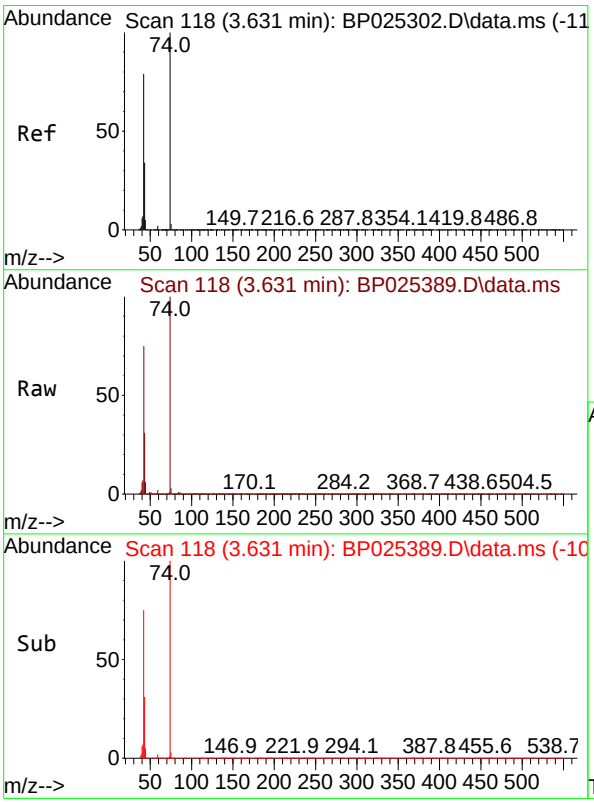
#3
Pyridine
Concen: 35.134 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 442368

Ion	Ratio	Lower	Upper
79	100		
52	72.0	60.5	90.7
51	34.8	30.2	45.2

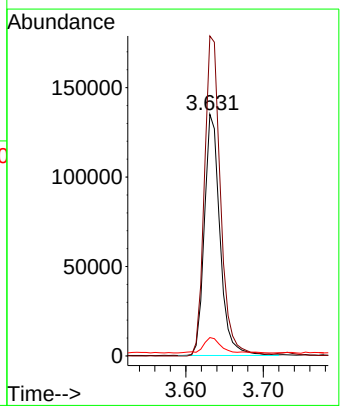


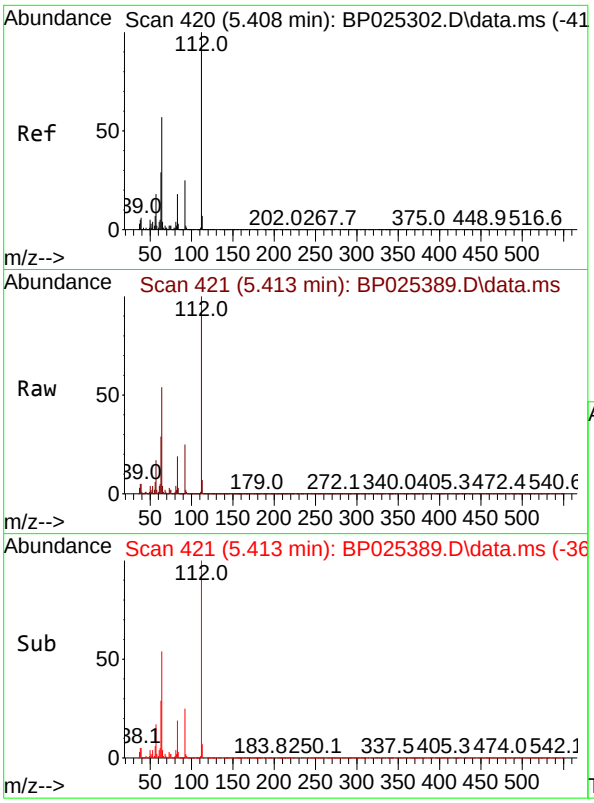


#4
n-Nitrosodimethylamine
Concen: 32.188 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 42 Resp: 188153

Ion	Ratio	Lower	Upper
42	100		
74	132.5	101.4	152.2
44	7.6	7.6	11.4#



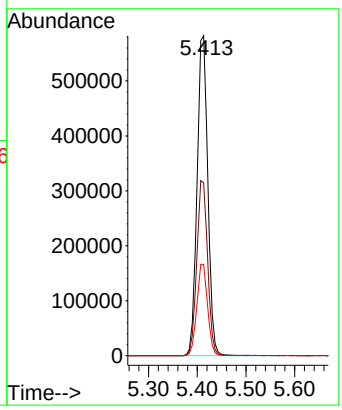


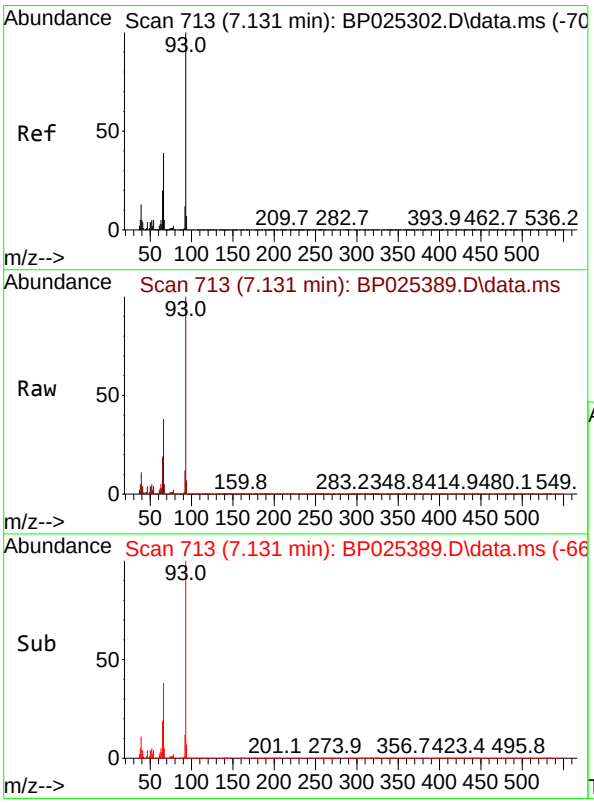
#5
2-Fluorophenol
Concen: 78.034 ng
RT: 5.413 min Scan# 4
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 896126

Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.3	67.9
63	28.5	23.0	34.6

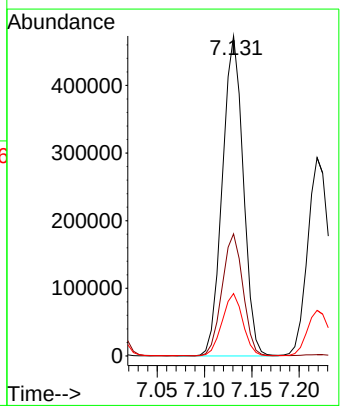


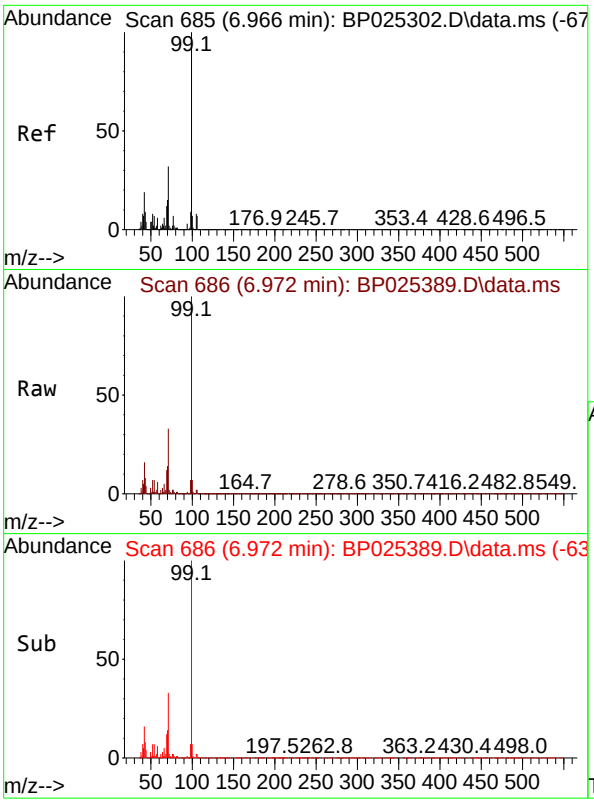


#6
Aniline
Concen: 34.897 ng
RT: 7.131 min Scan# 713
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 93 Resp: 724014

Ion	Ratio	Lower	Upper
93	100		
66	38.1	31.1	46.7
65	19.5	15.8	23.8



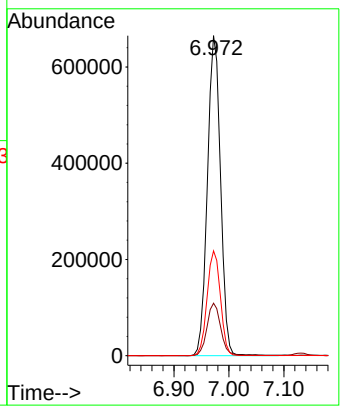


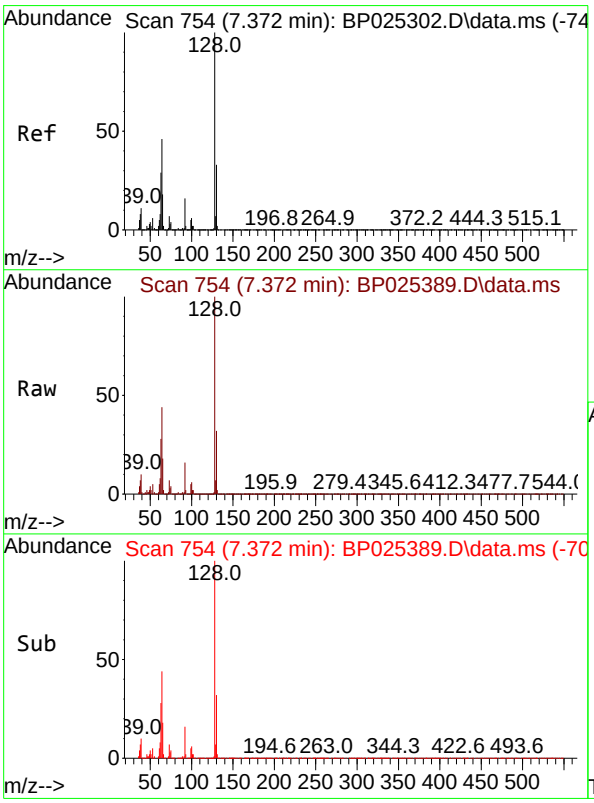
#7
Phenol-d6
Concen: 72.847 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1100976

Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.0	22.6
71	32.8	25.5	38.3

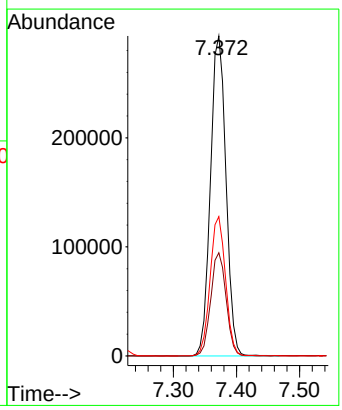


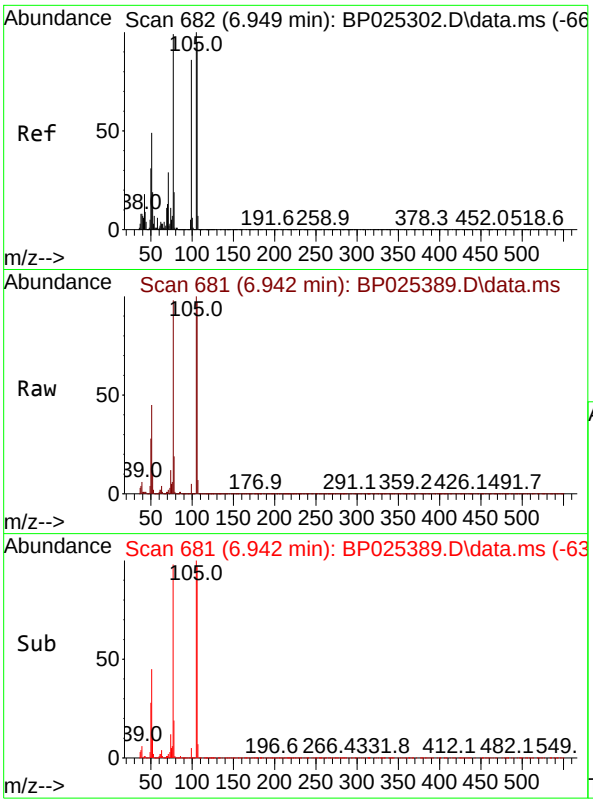


#8
2-Chlorophenol
Concen: 39.844 ng
RT: 7.372 min Scan# 754
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:128 Resp: 500853

Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.1	53.1
64	43.6	26.1	66.1



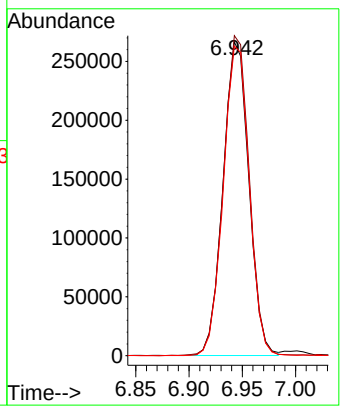


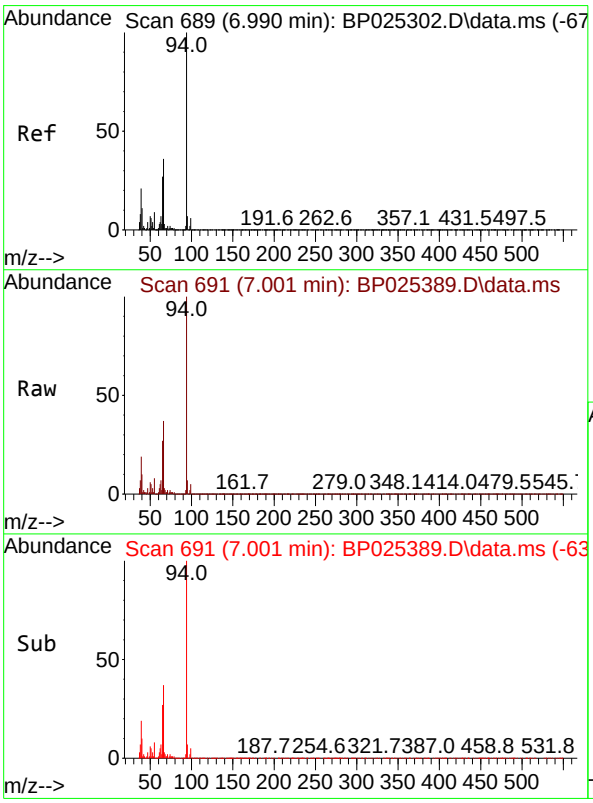
#9
Benzaldehyde
Concen: 41.771 ng
RT: 6.942 min Scan# 6
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 448384

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	98.7	76.2	116.2

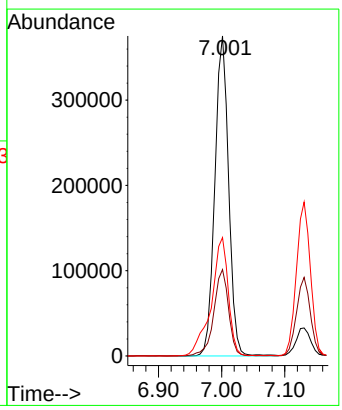


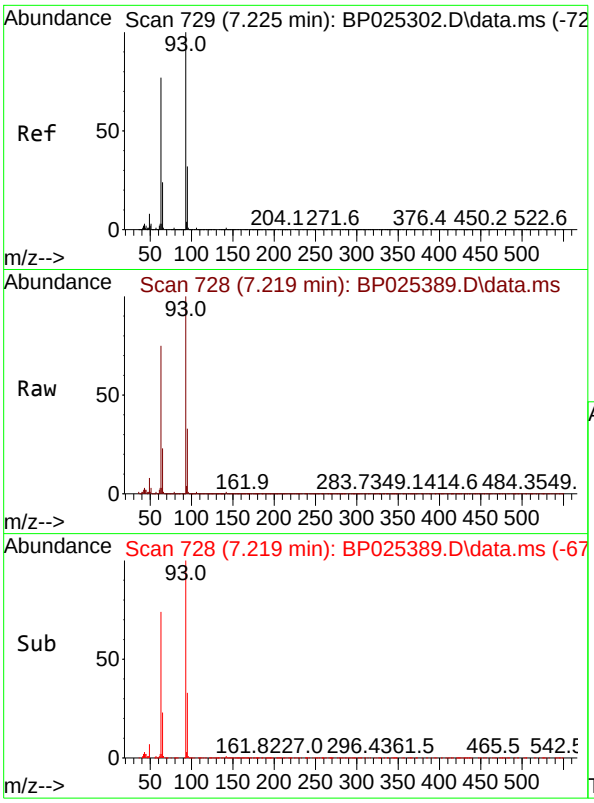


#10
Phenol
Concen: 35.181 ng
RT: 7.001 min Scan# 691
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 94 Resp: 568907

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.3	47.3
66	37.0	15.7	55.7



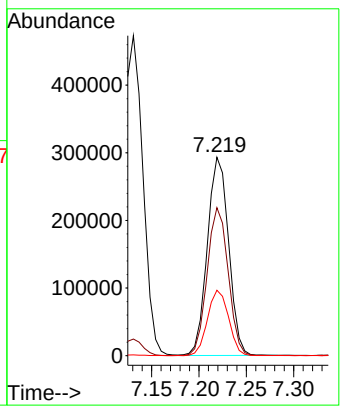


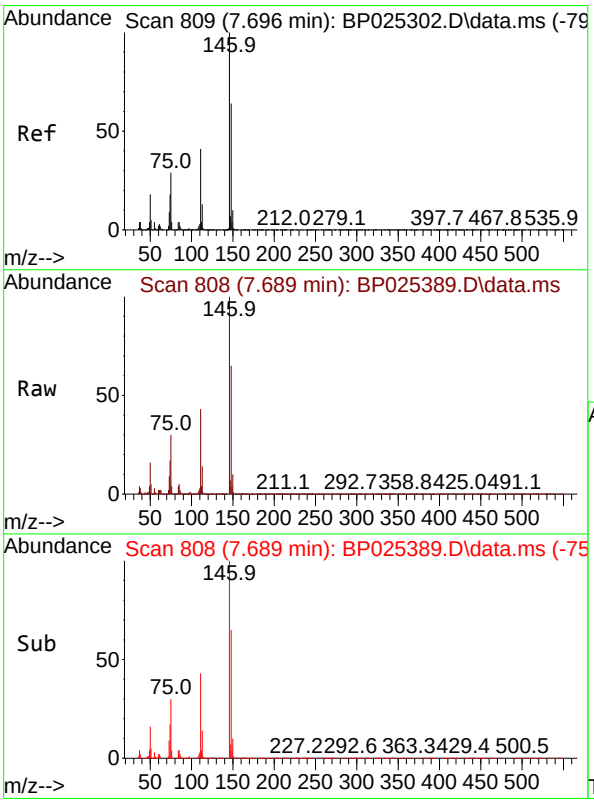
#11
bis(2-Chloroethyl)ether
Concen: 36.125 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 457720

Ion	Ratio	Lower	Upper
93	100		
63	74.7	57.0	97.0
95	33.0	12.1	52.1

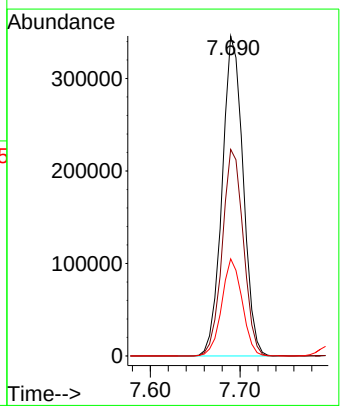


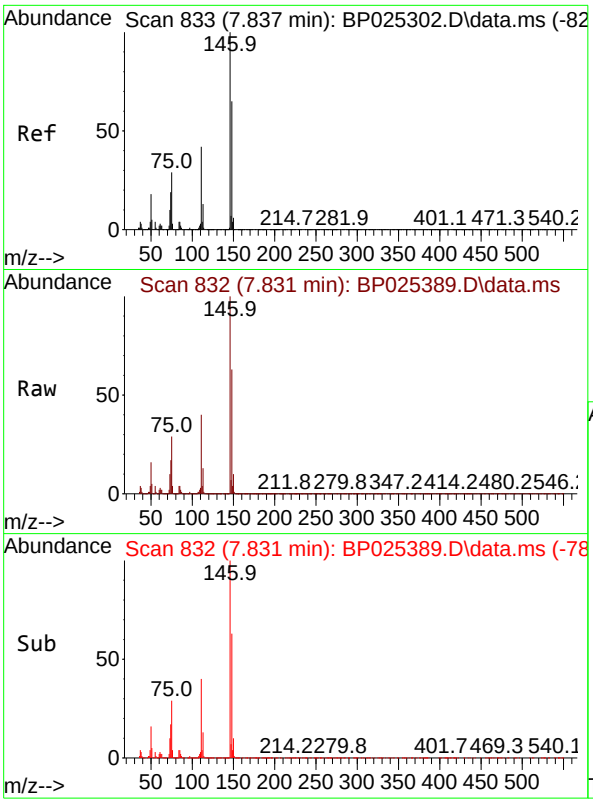


#12
1,3-Dichlorobenzene
Concen: 39.743 ng
RT: 7.689 min Scan# 808
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:146 Resp: 561340

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
75	30.4	23.2	34.8



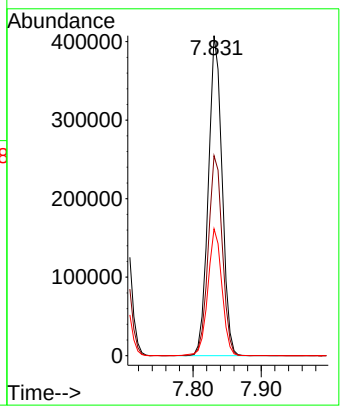


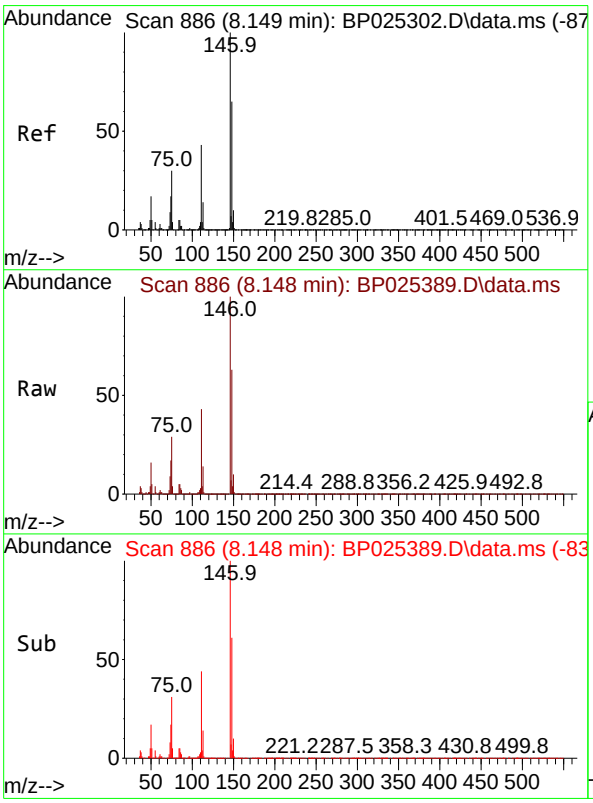
#13
1,4-Dichlorobenzene
Concen: 39.939 ng
RT: 7.831 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 570722

Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.0	78.0
111	39.6	33.2	49.8

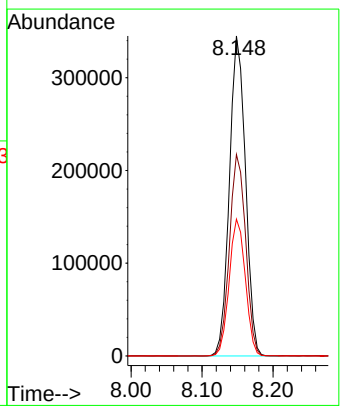


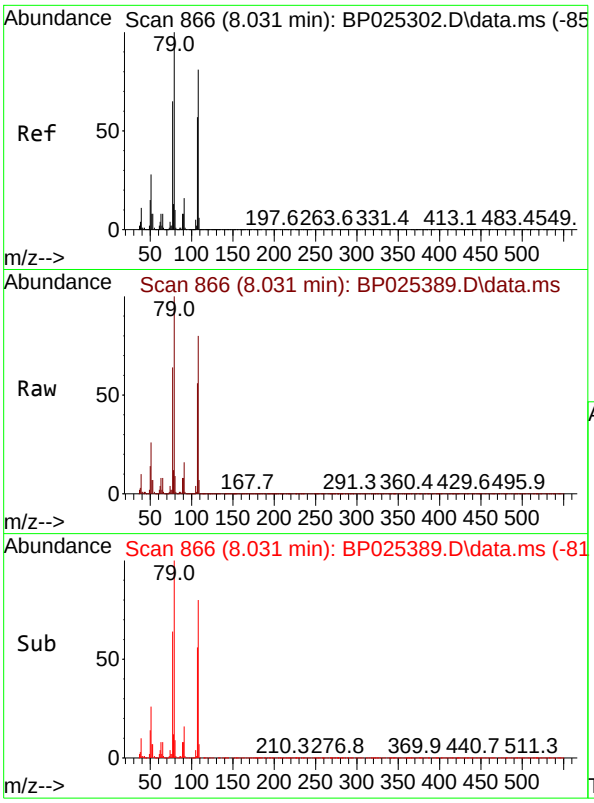


#14
1,2-Dichlorobenzene
Concen: 39.259 ng
RT: 8.148 min Scan# 886
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:146 Resp: 543452

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
111	42.8	34.4	51.6



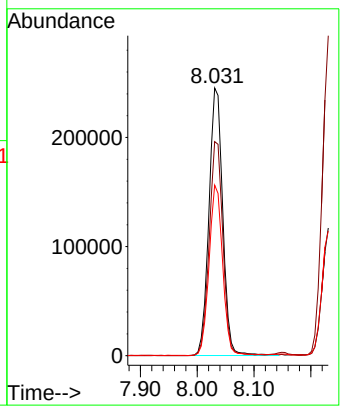


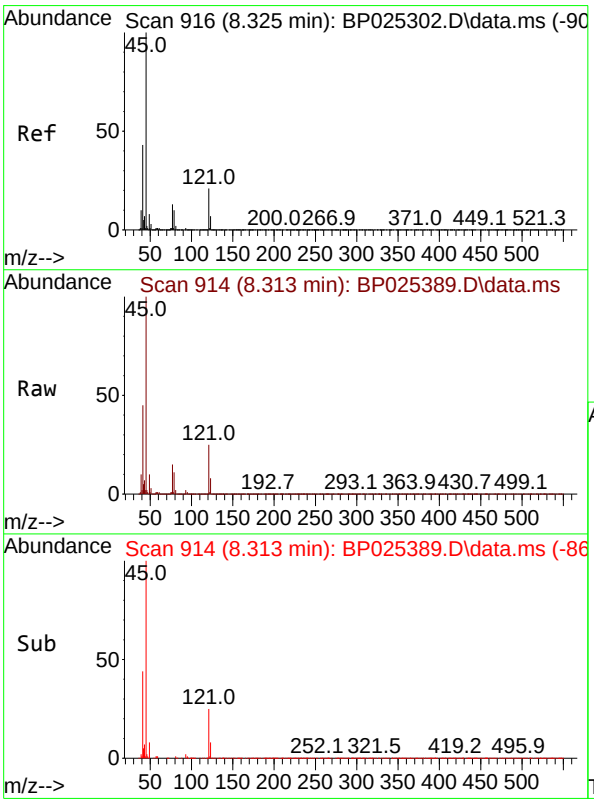
#15
Benzyl Alcohol
Concen: 35.252 ng
RT: 8.031 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 412992

Ion	Ratio	Lower	Upper
79	100		
108	80.0	64.5	96.7
77	63.7	51.9	77.9

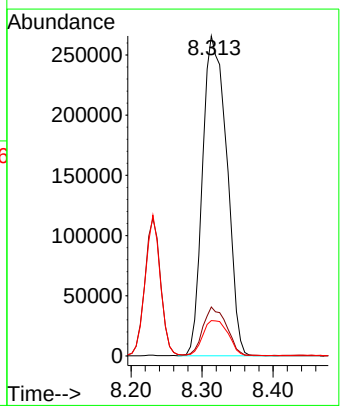


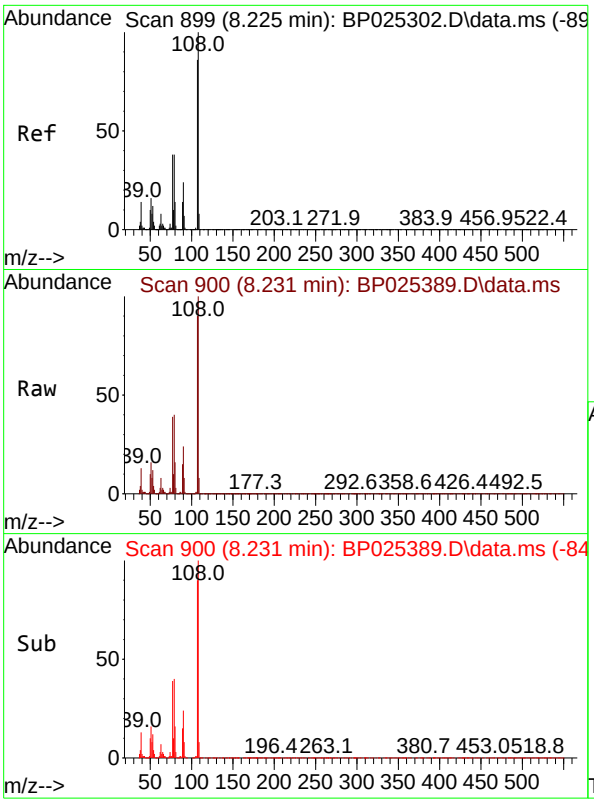


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.389 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 45 Resp: 628261

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	33.0
79	11.0	0.0	29.8



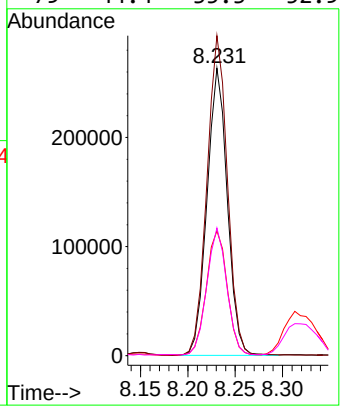


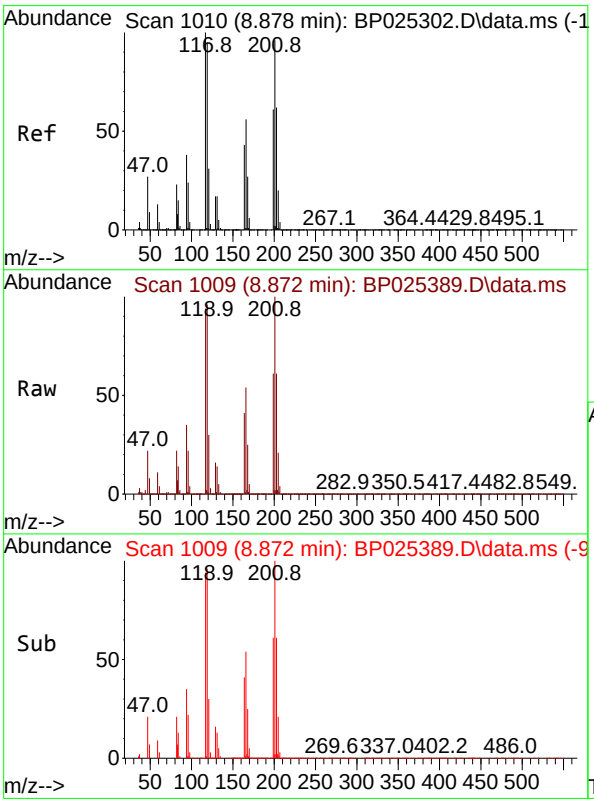
#17
2-Methylphenol
Concen: 36.260 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 392344

Ion	Ratio	Lower	Upper
107	100		
108	111.3	92.6	139.0
77	43.4	35.4	53.2
79	44.4	35.3	52.9

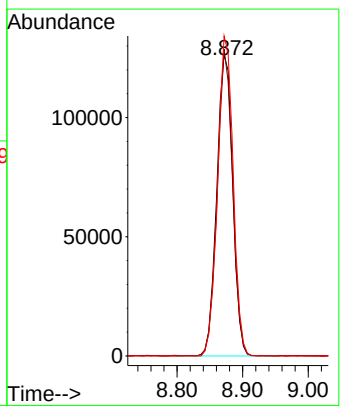


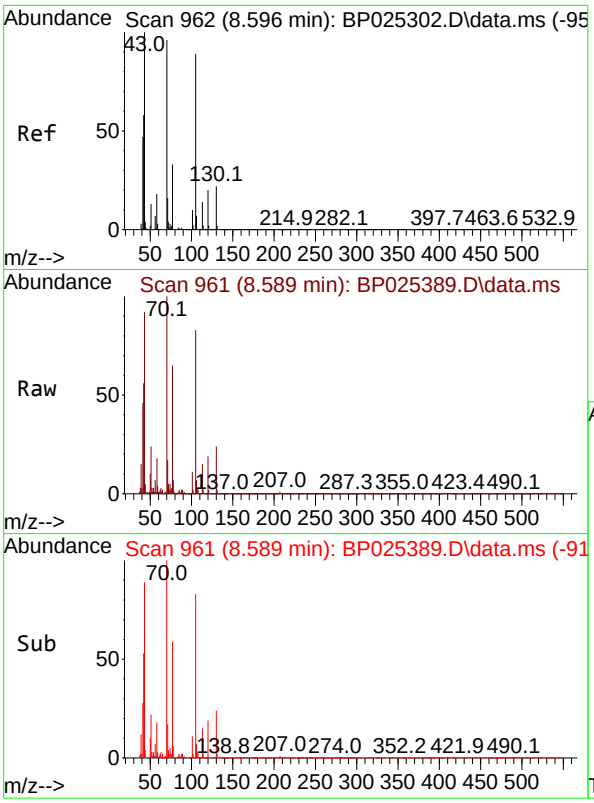


#18
Hexachloroethane
Concen: 41.770 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:117 Resp: 213457

Ion	Ratio	Lower	Upper
117	100		
119	101.8	75.8	113.8
201	106.2	76.6	114.8



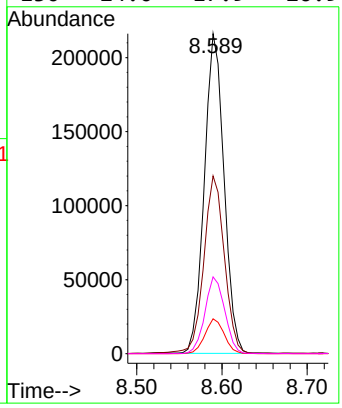


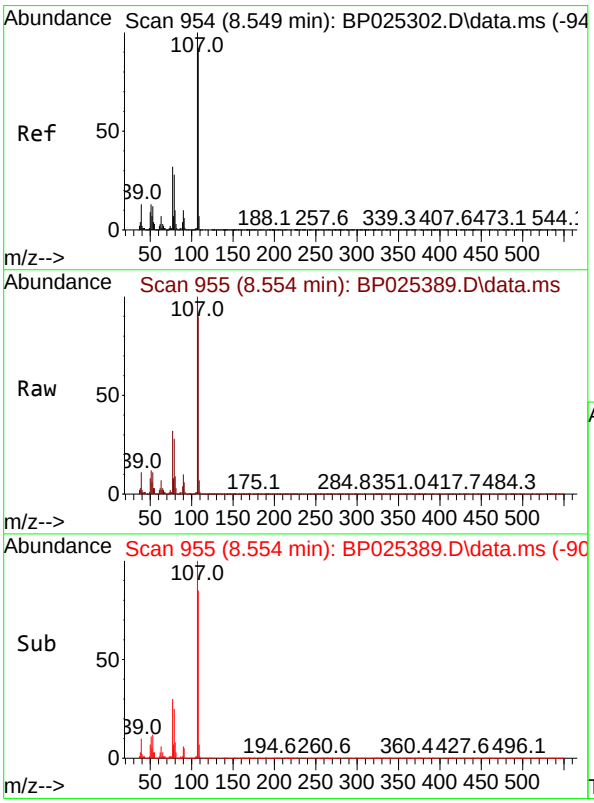
#19
n-Nitroso-di-n-propylamine
Concen: 34.859 ng
RT: 8.589 min Scan# 9
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 346148

Ion	Ratio	Lower	Upper
70	100		
42	55.6	49.4	74.0
101	10.9	7.9	11.9
130	24.0	17.9	26.9

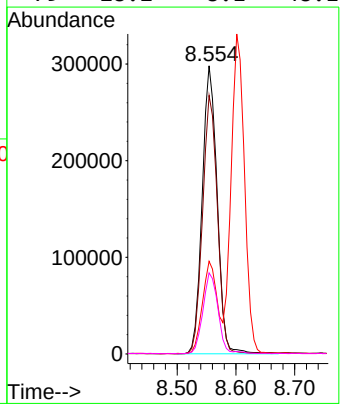


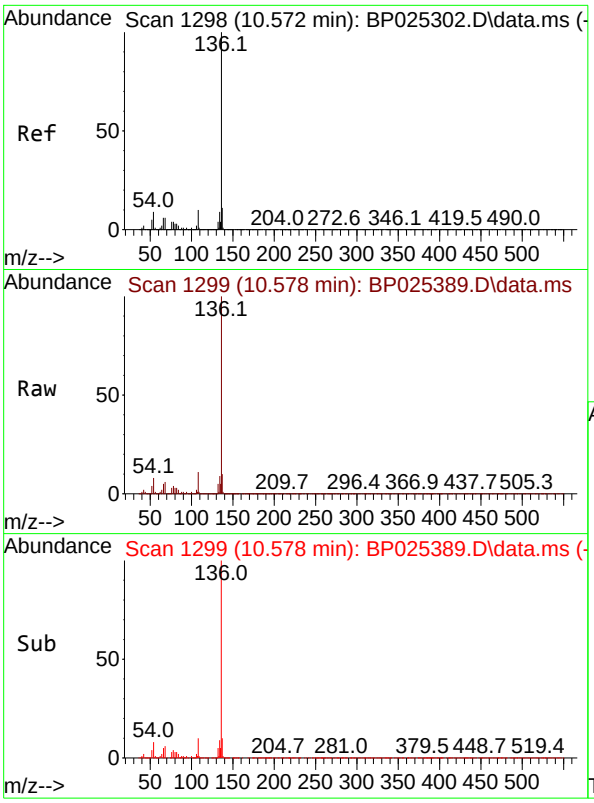


#20
3+4-Methylphenols
Concen: 35.276 ng
RT: 8.554 min Scan# 955
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:107 Resp: 525616

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.9	111.9
77	32.2	12.0	52.0
79	28.2	8.1	48.1



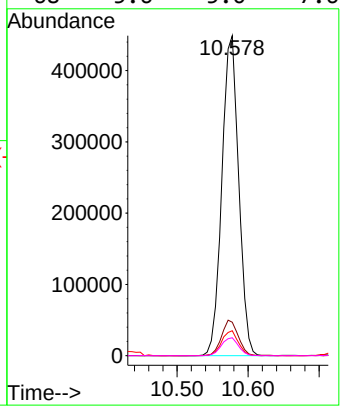


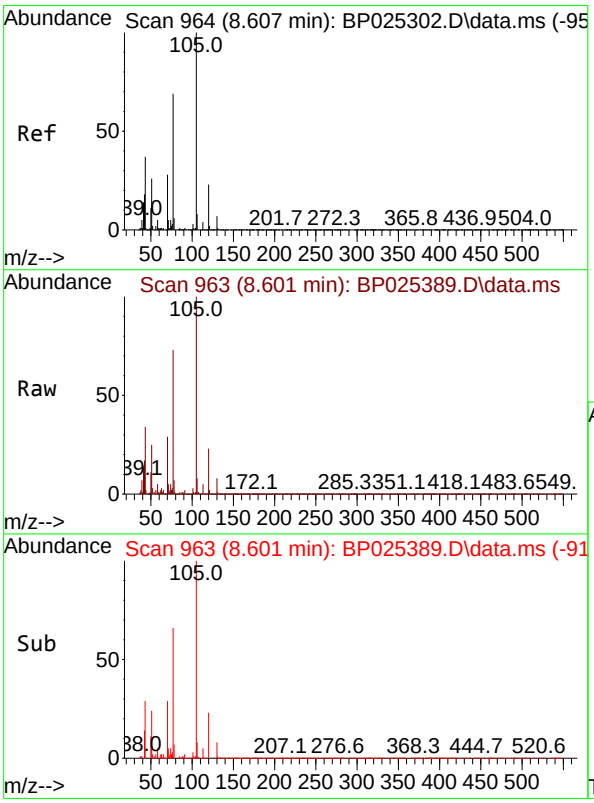
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 736218

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.8	7.0	10.6
68	5.6	5.0	7.6

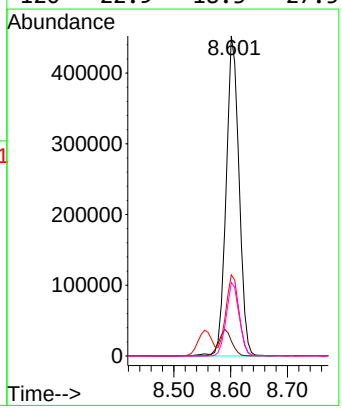


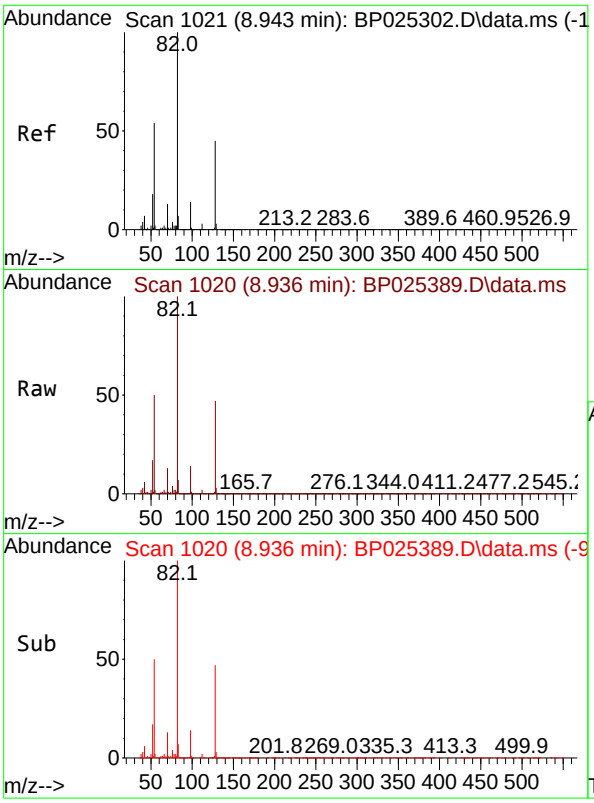


#22
Acetophenone
Concen: 38.768 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:105 Resp: 716512

Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.1	6.1
51	25.4	22.7	34.1
120	22.9	18.3	27.5



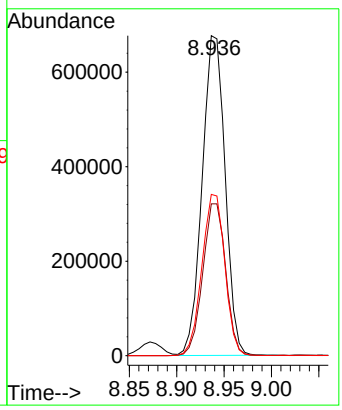


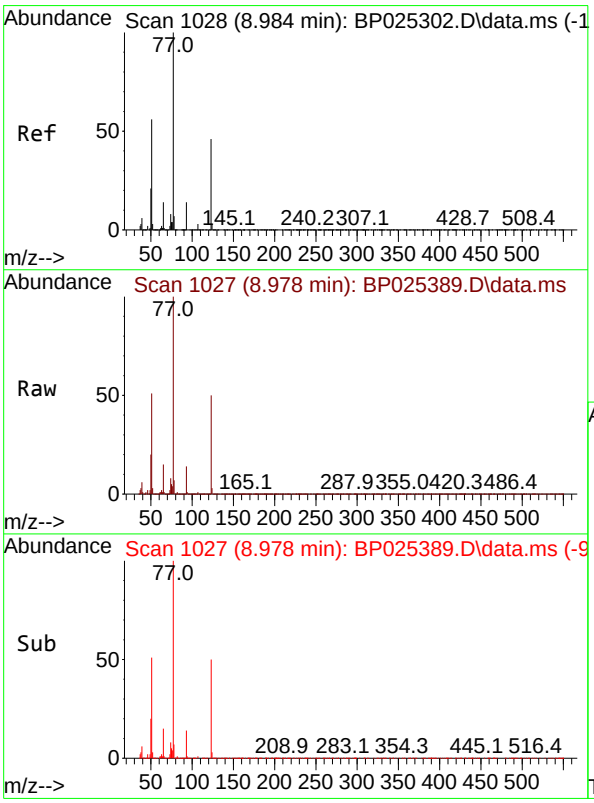
#23
Nitrobenzene-d5
Concen: 85.552 ng
RT: 8.936 min Scan# 1
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1136884

Ion	Ratio	Lower	Upper
82	100		
128	47.4	35.4	53.2
54	50.4	42.9	64.3

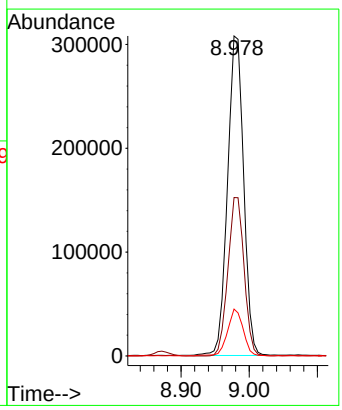


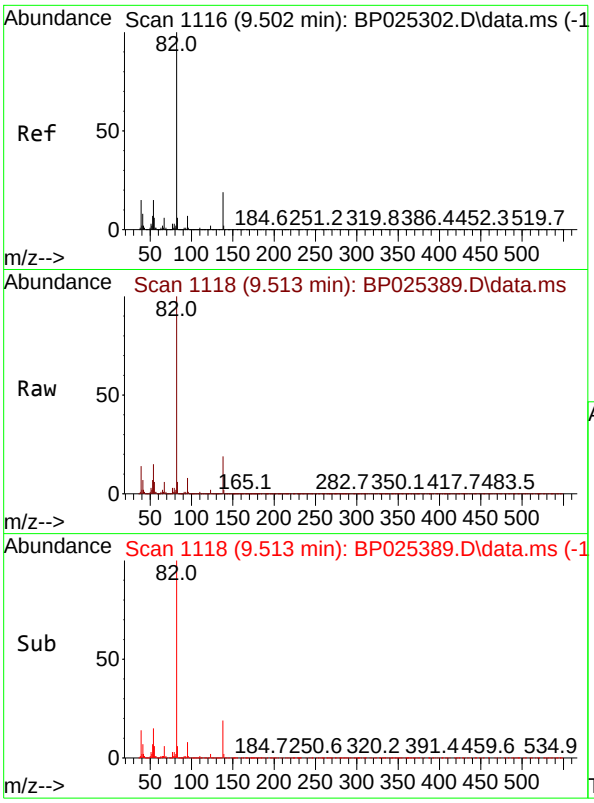


#24
Nitrobenzene
Concen: 40.347 ng
RT: 8.978 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 77 Resp: 507543

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.4	56.2
65	14.7	11.1	16.7



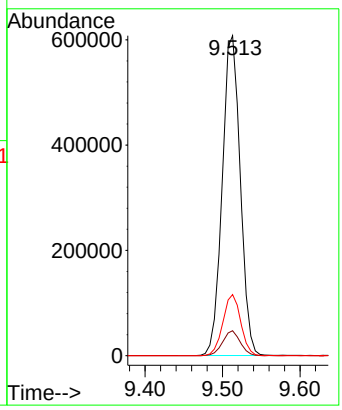


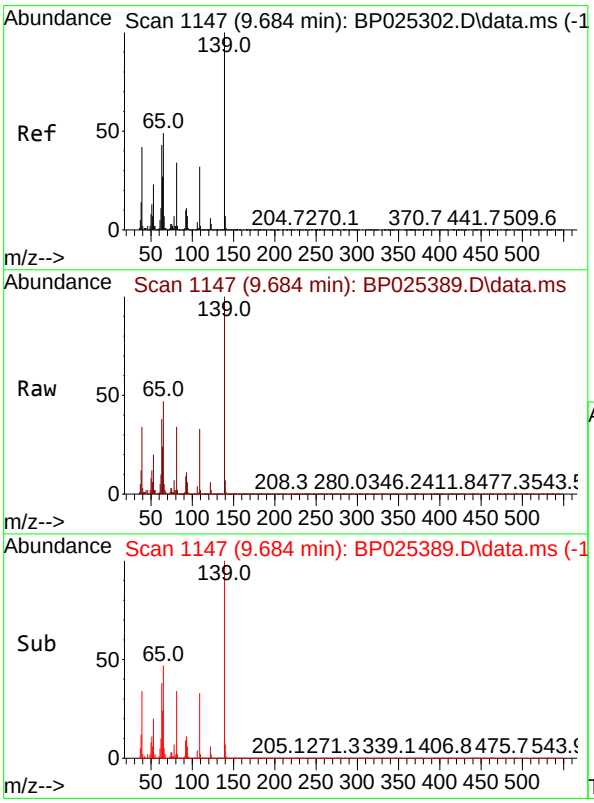
#25
Isophorone
Concen: 37.145 ng
RT: 9.513 min Scan# 11
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 982573

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.7	8.5
138	19.1	15.0	22.6

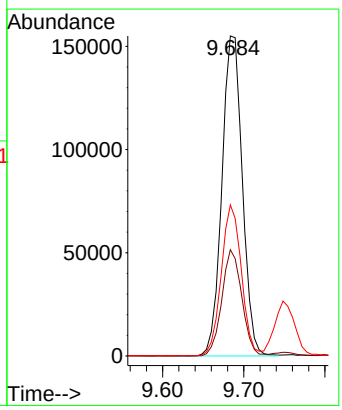


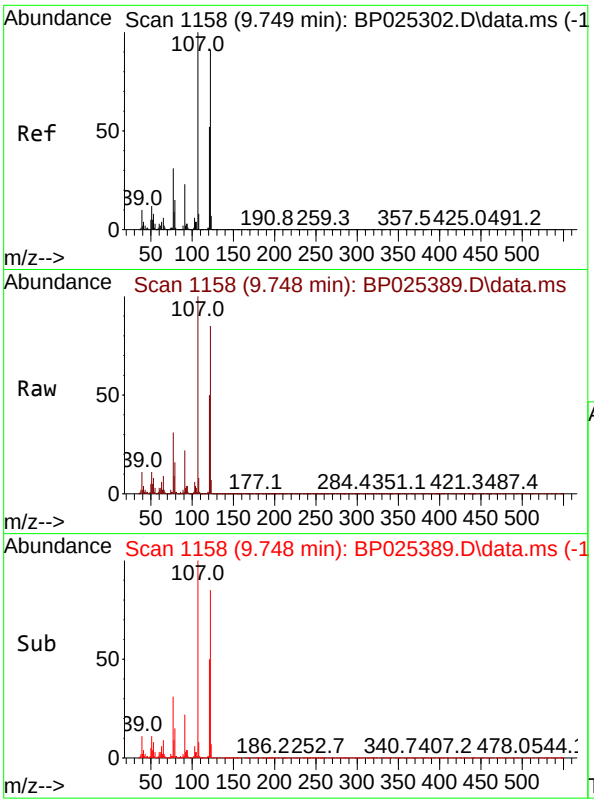


#26
2-Nitrophenol
Concen: 49.472 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:139 Resp: 271753

Ion	Ratio	Lower	Upper
139	100		
109	33.2	25.2	37.8
65	47.2	39.6	59.4



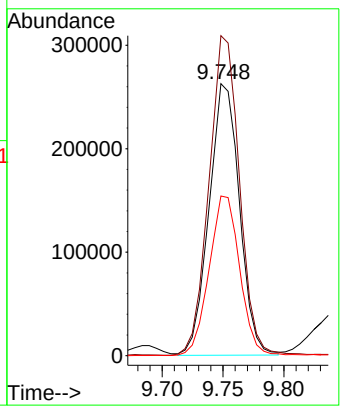


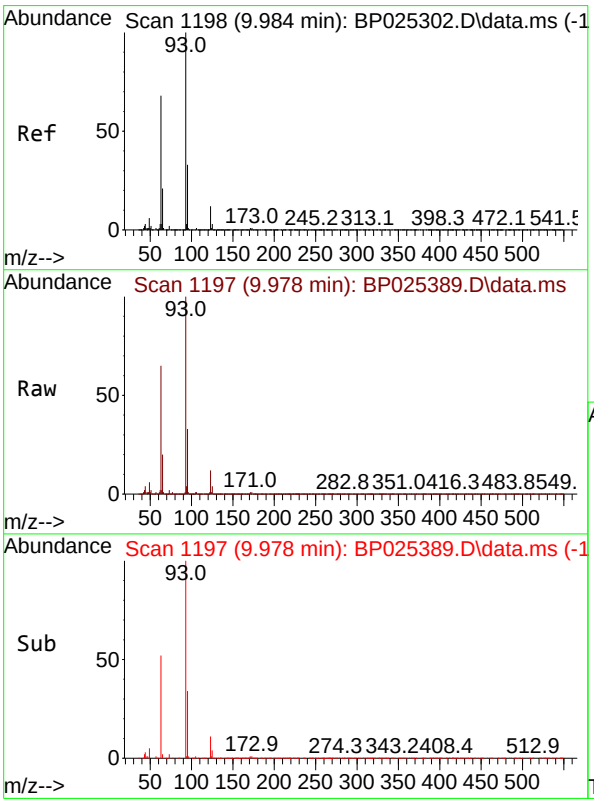
#27
2,4-Dimethylphenol
Concen: 37.378 ng
RT: 9.748 min Scan# 11
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 455846

Ion	Ratio	Lower	Upper
122	100		
107	117.6	87.4	131.0
121	58.7	45.8	68.8

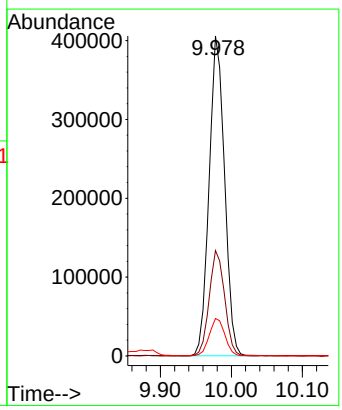


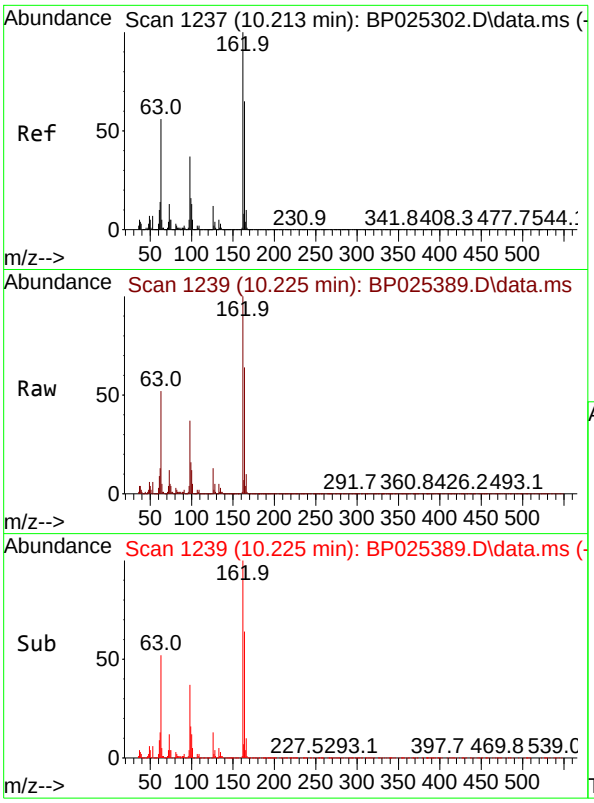


#28
bis(2-Chloroethoxy)methane
Concen: 38.140 ng
RT: 9.978 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 93 Resp: 613737

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	11.7	9.4	14.2



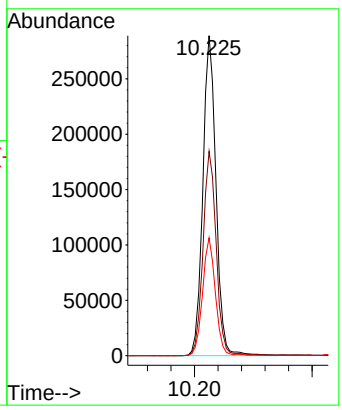


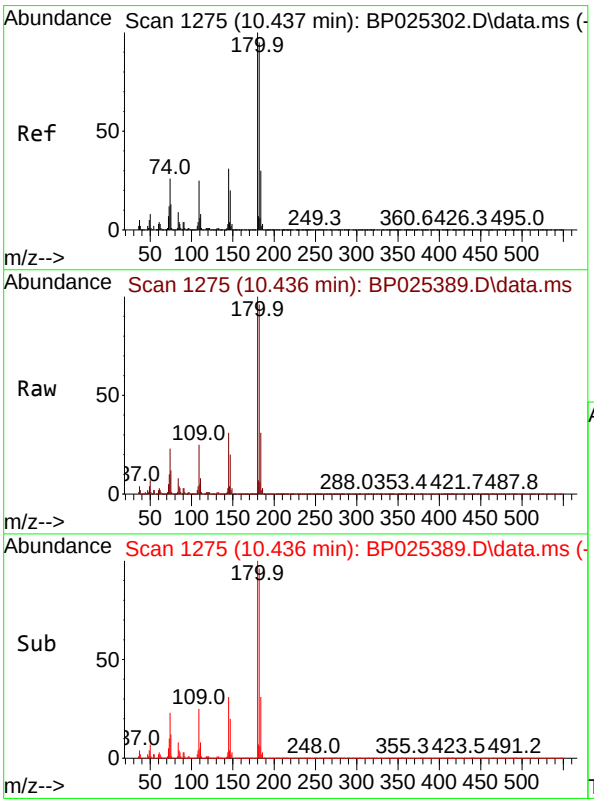
#29
2,4-Dichlorophenol
Concen: 42.216 ng
RT: 10.225 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 450740

Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.2	85.2
98	36.8	17.5	57.5

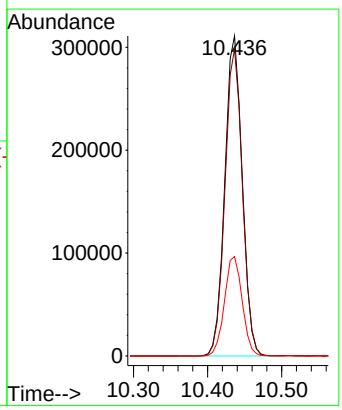


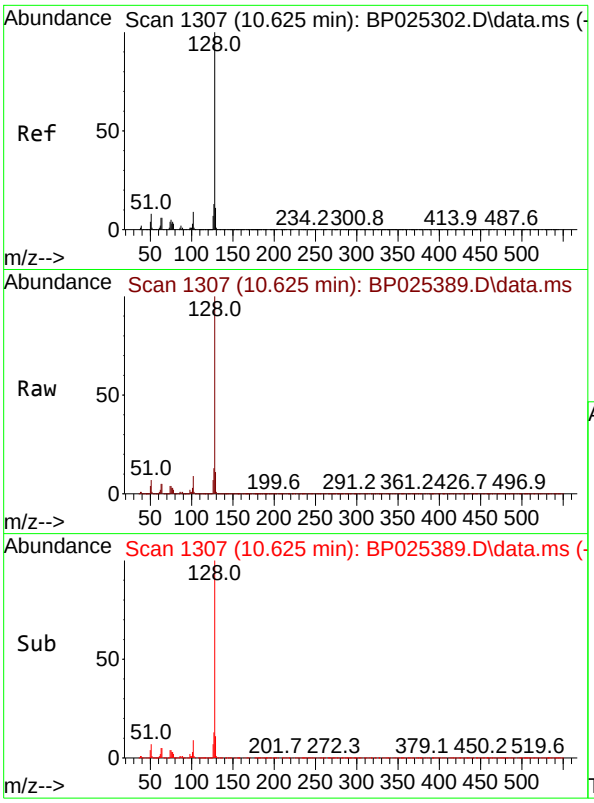


#30
1,2,4-Trichlorobenzene
Concen: 43.152 ng
RT: 10.436 min Scan# 1275
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:180 Resp: 508300

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	31.1	25.0	37.4



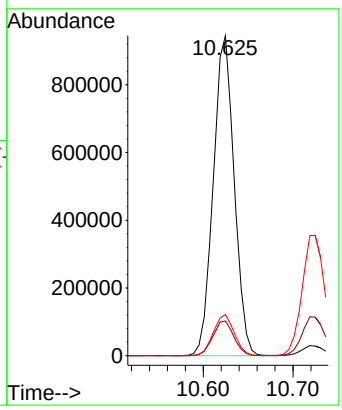


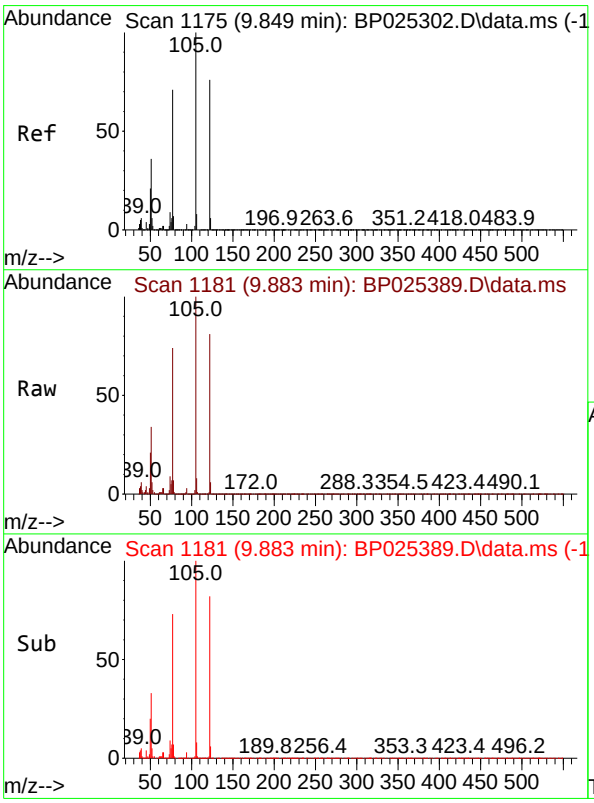
#31
Naphthalene
Concen: 39.968 ng
RT: 10.625 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1527522

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.8	10.4	15.6

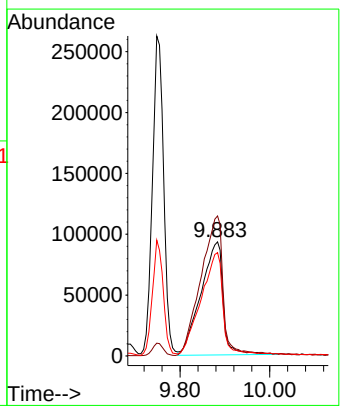


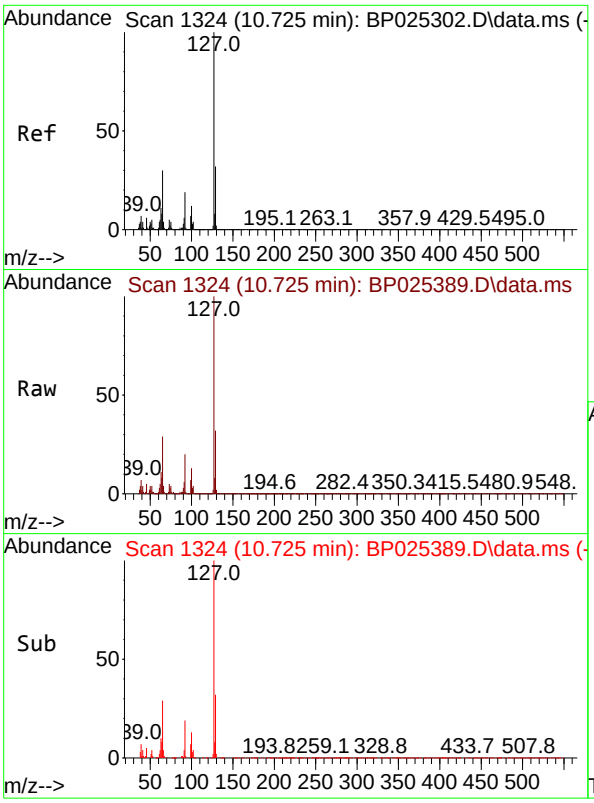


#32
Benzoic acid
Concen: 46.453 ng
RT: 9.883 min Scan# 1181
Delta R.T. 0.034 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:122 Resp: 318796

Ion	Ratio	Lower	Upper
122	100		
105	122.7	104.0	144.0
77	90.7	71.8	111.8



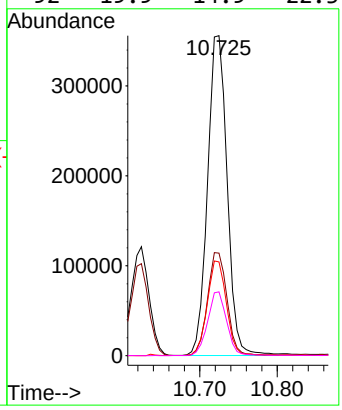


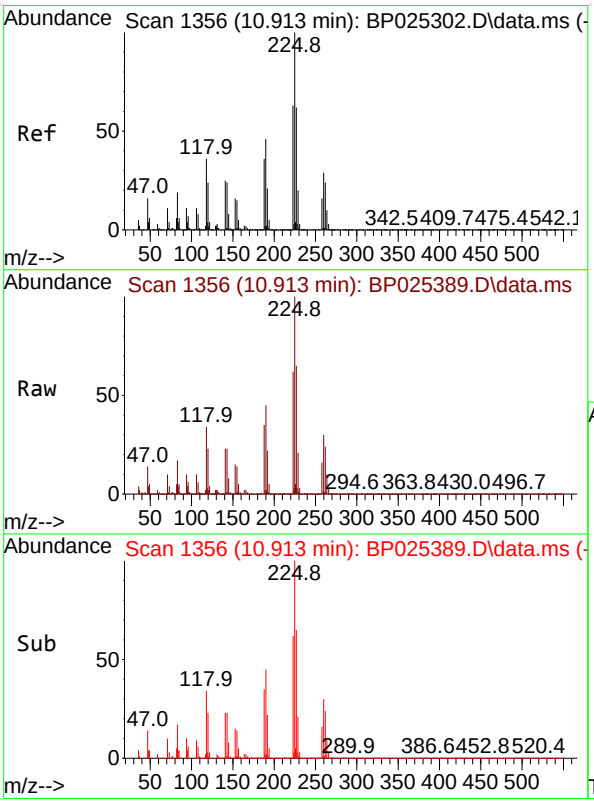
#33
4-Chloroaniline
Concen: 36.824 ng
RT: 10.725 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 625936

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	29.3	23.6	35.4
92	19.9	14.9	22.3

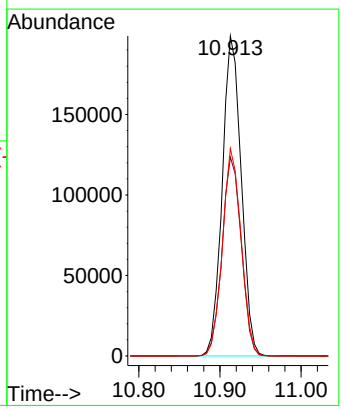


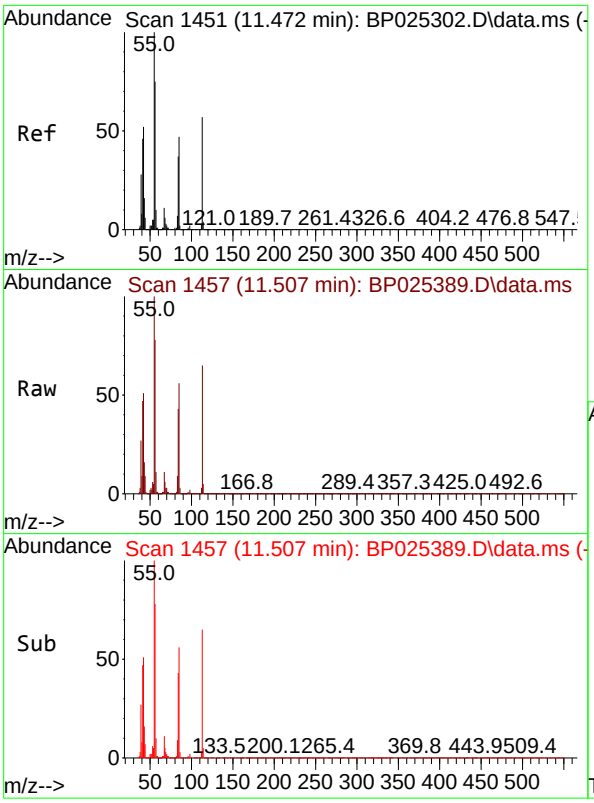


#34
Hexachlorobutadiene
Concen: 47.747 ng
RT: 10.913 min Scan# 1356
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:225 Resp: 322850

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.3	75.5
227	64.8	49.7	74.5



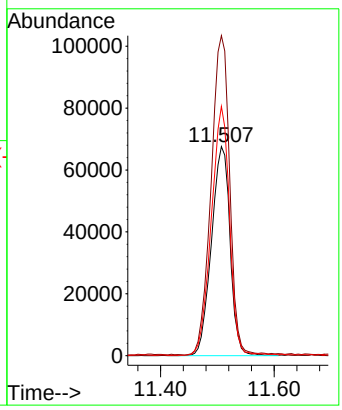


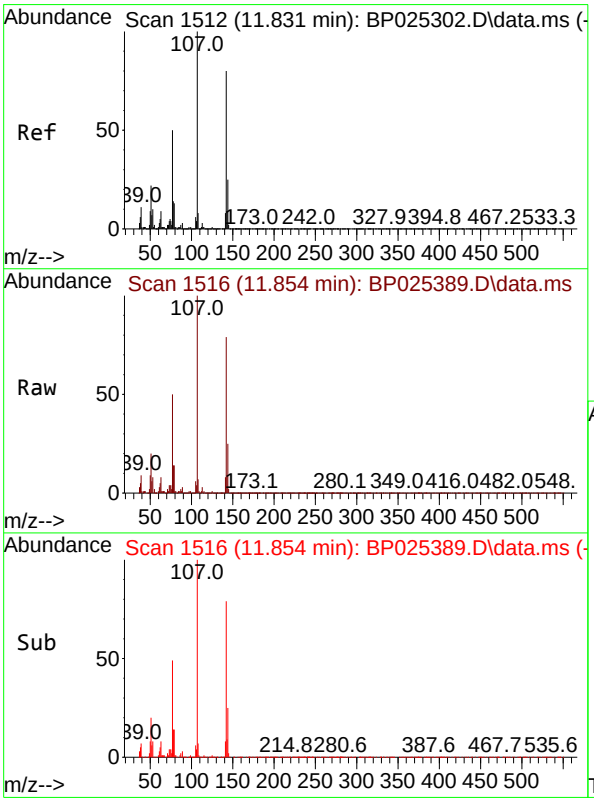
#35
Caprolactam
Concen: 37.085 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 153606

Ion	Ratio	Lower	Upper
113	100		
55	153.0	154.4	194.4#
56	119.2	110.9	150.9

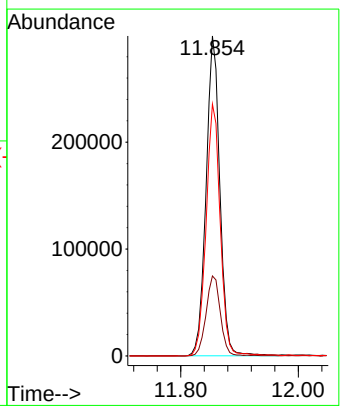


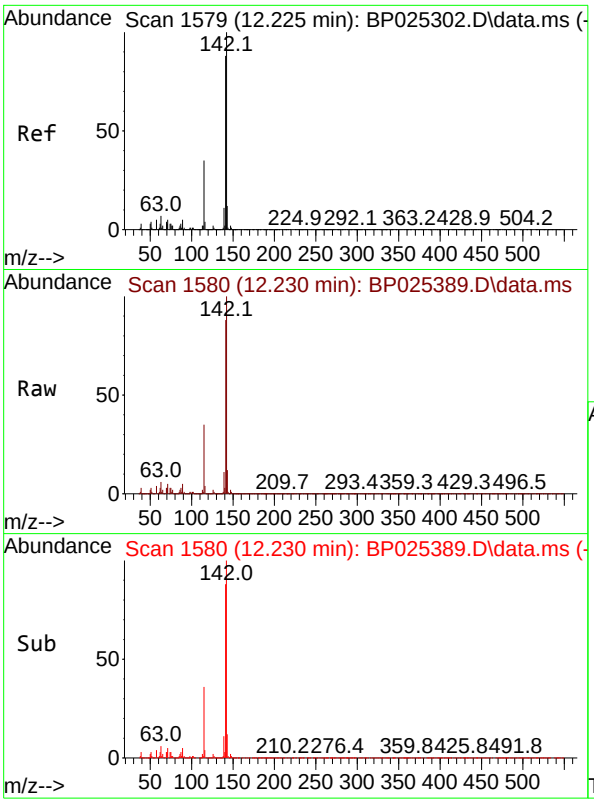


#36
4-Chloro-3-methylphenol
Concen: 39.346 ng
RT: 11.854 min Scan# 1516
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:107 Resp: 486095

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	78.7	63.7	95.5



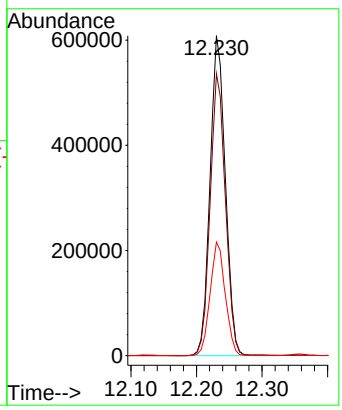


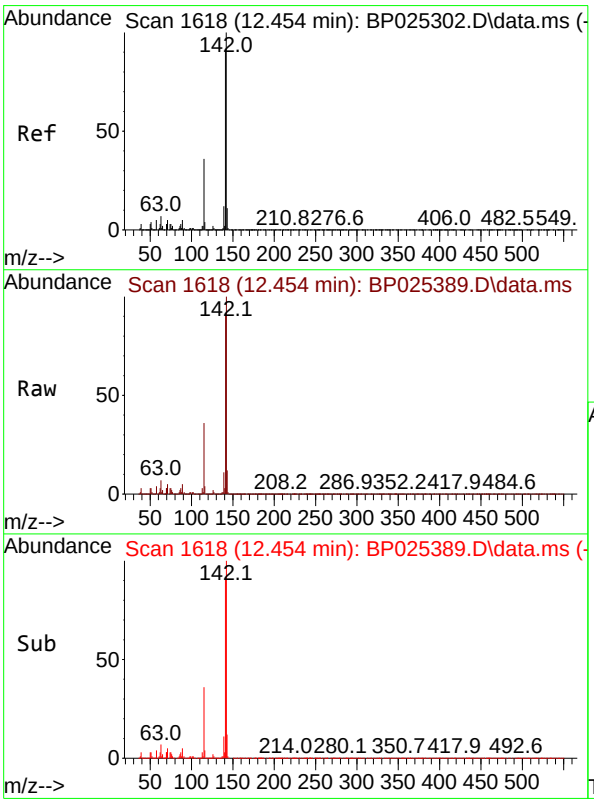
#37
2-Methylnaphthalene
Concen: 39.851 ng
RT: 12.230 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 985811

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	35.5	28.0	42.0

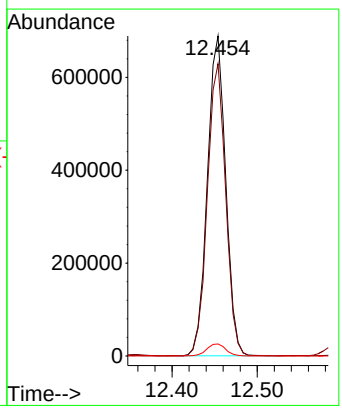


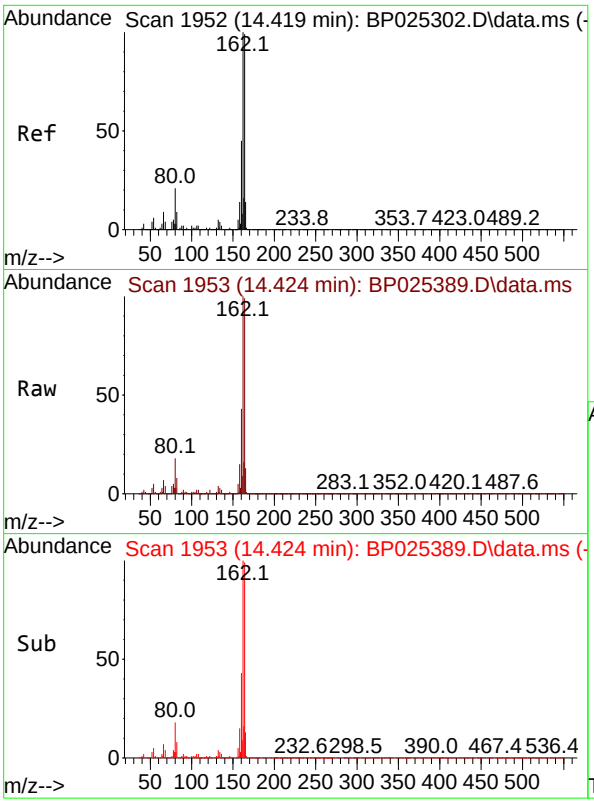


#38
1-Methylnaphthalene
Concen: 39.802 ng
RT: 12.454 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:142 Resp: 1027342

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.0	109.6
116	3.8	3.0	4.6



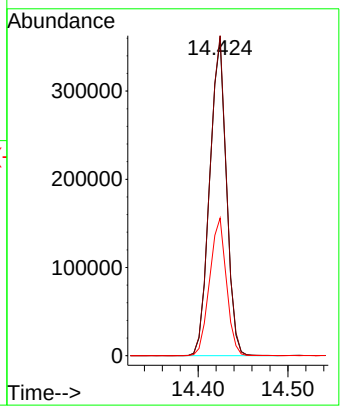


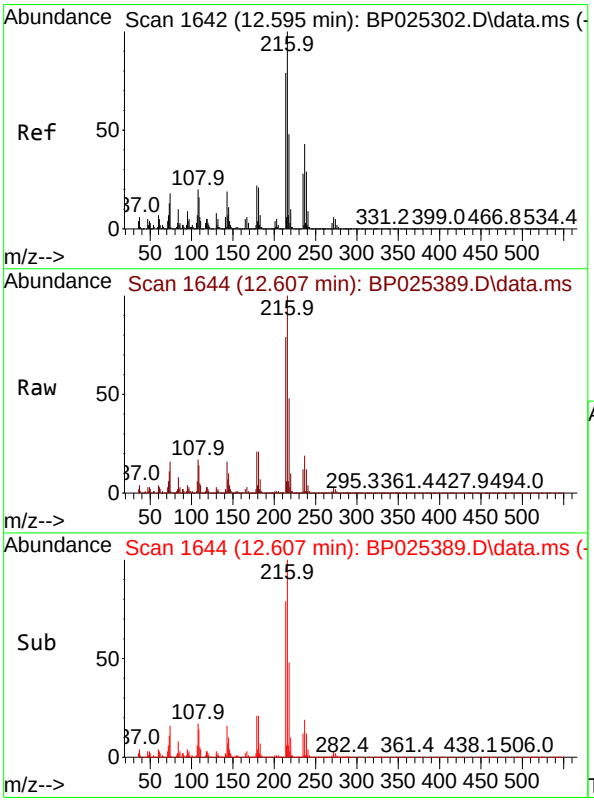
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.424 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 463395

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	43.5	35.9	53.9

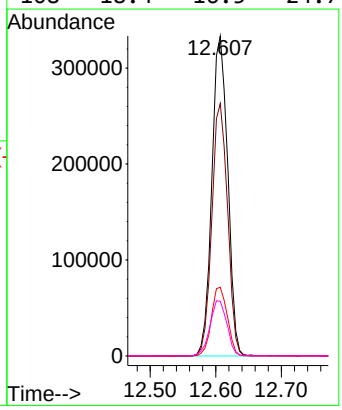


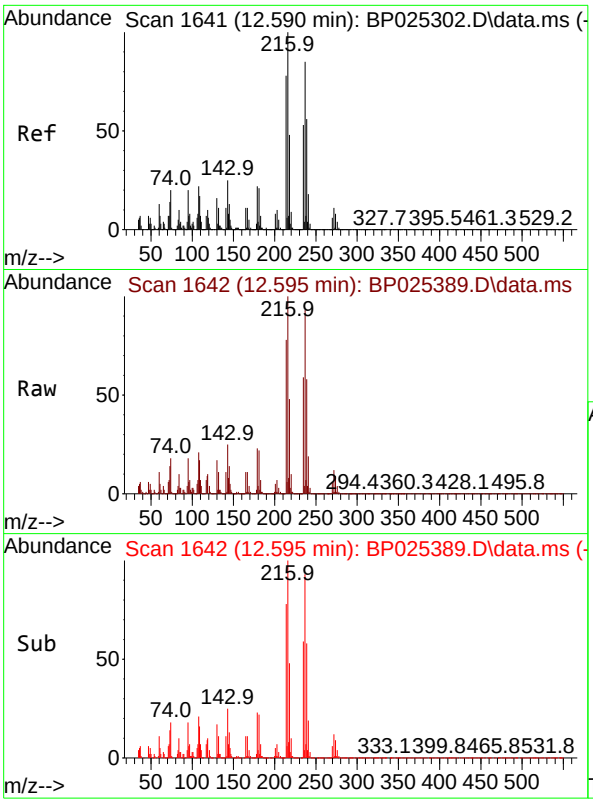


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.214 ng
RT: 12.607 min Scan# 1644
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:216 Resp: 559369

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.4	93.6
179	21.6	17.5	26.3
108	18.4	16.5	24.7



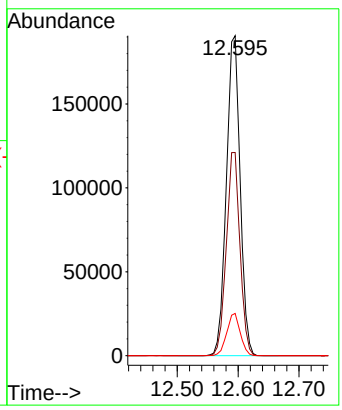


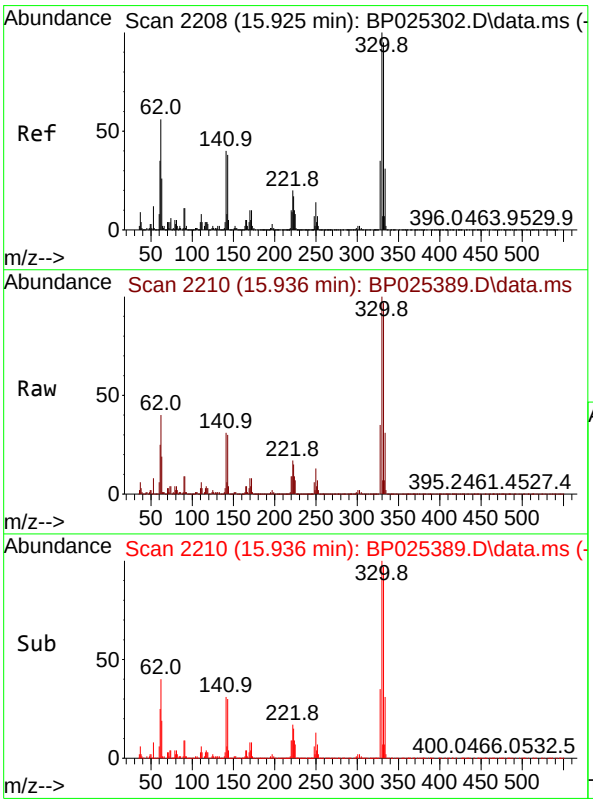
#41
Hexachlorocyclopentadiene
Concen: 38.353 ng
RT: 12.595 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 299470

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.2	82.2
272	13.2	0.0	32.8

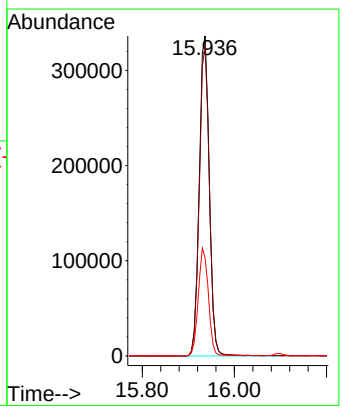


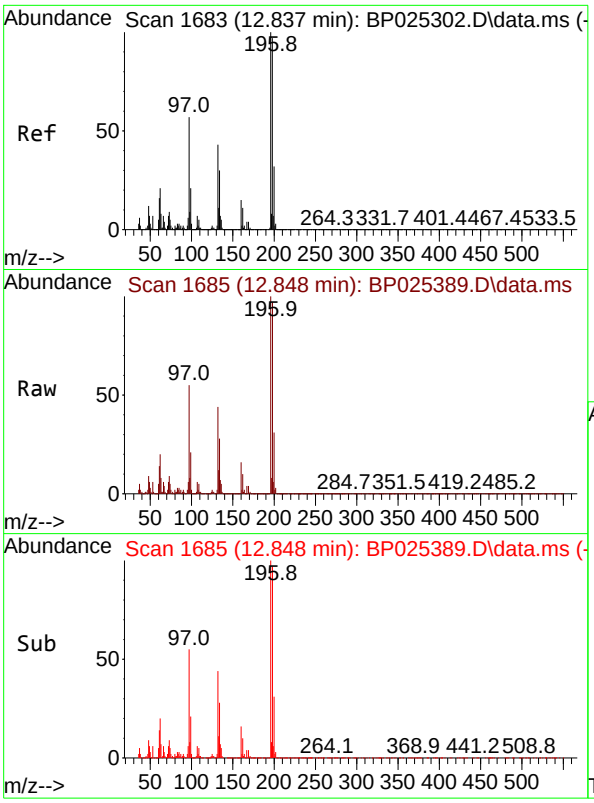


#42
2,4,6-Tribromophenol
Concen: 110.873 ng
RT: 15.936 min Scan# 2210
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:330 Resp: 512553

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	33.6	31.7	47.5



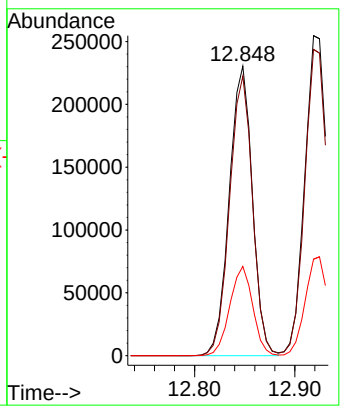


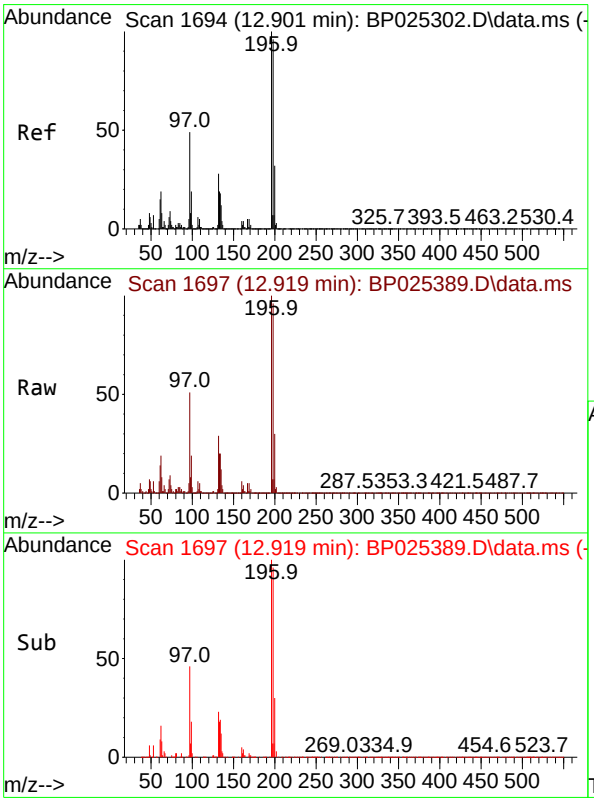
#43
2,4,6-Trichlorophenol
Concen: 45.134 ng
RT: 12.848 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 368871

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.3	115.9
200	30.8	25.4	38.2

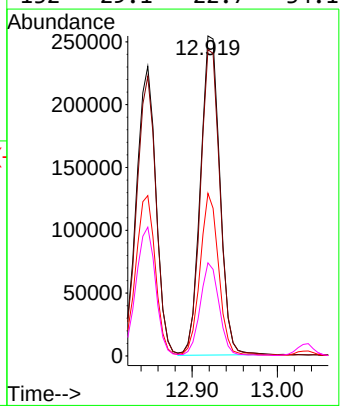


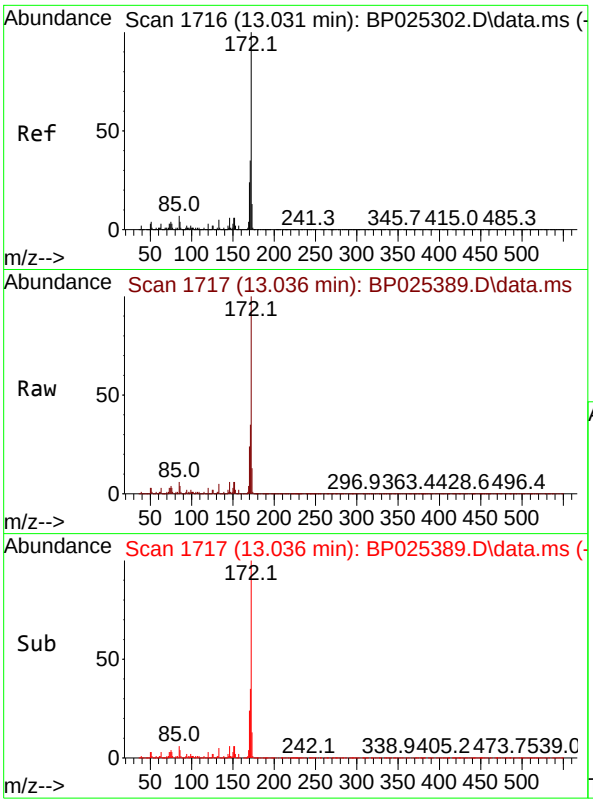


#44
2,4,5-Trichlorophenol
Concen: 43.925 ng
RT: 12.919 min Scan# 1697
Delta R.T. 0.018 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:196 Resp: 402704

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	50.8	39.5	59.3
132	29.1	22.7	34.1



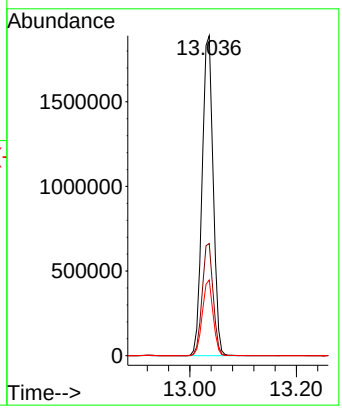


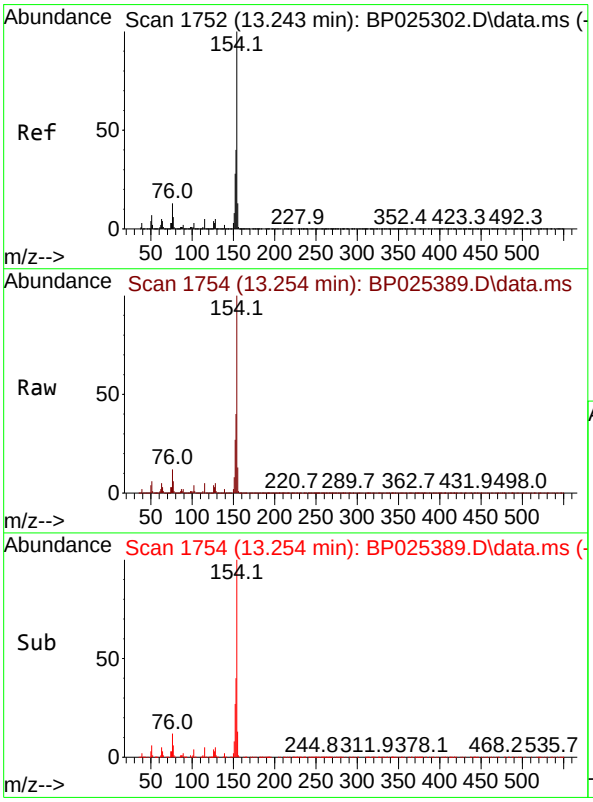
#45
2-Fluorobiphenyl
Concen: 80.900 ng
RT: 13.036 min Scan# 1
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2714182

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.7	18.9	28.3

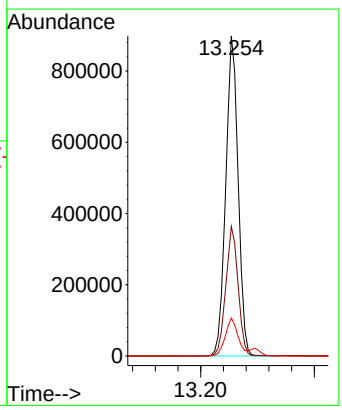


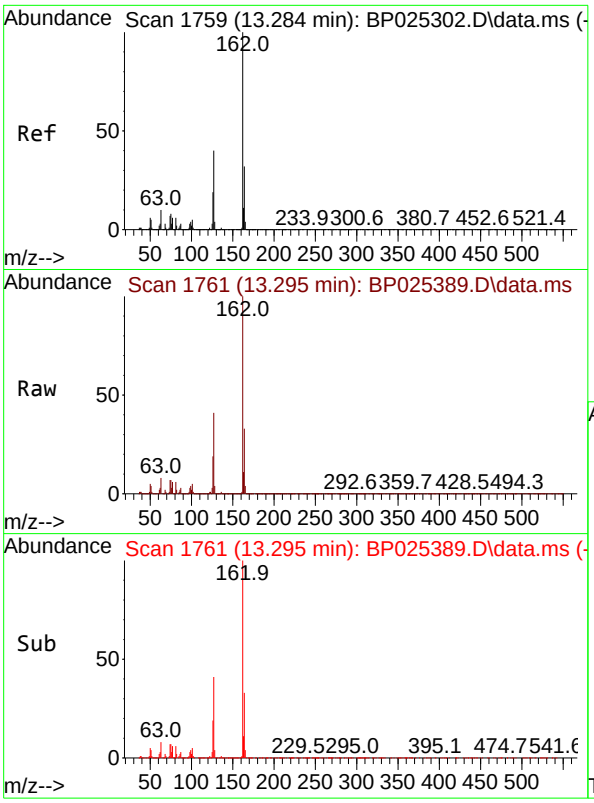


#46
1,1'-Biphenyl
Concen: 39.928 ng
RT: 13.254 min Scan# 1754
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:154 Resp: 1363544

Ion	Ratio	Lower	Upper
154	100		
153	40.4	19.9	59.9
76	11.9	0.0	33.2



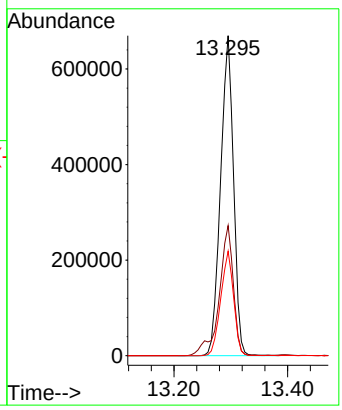


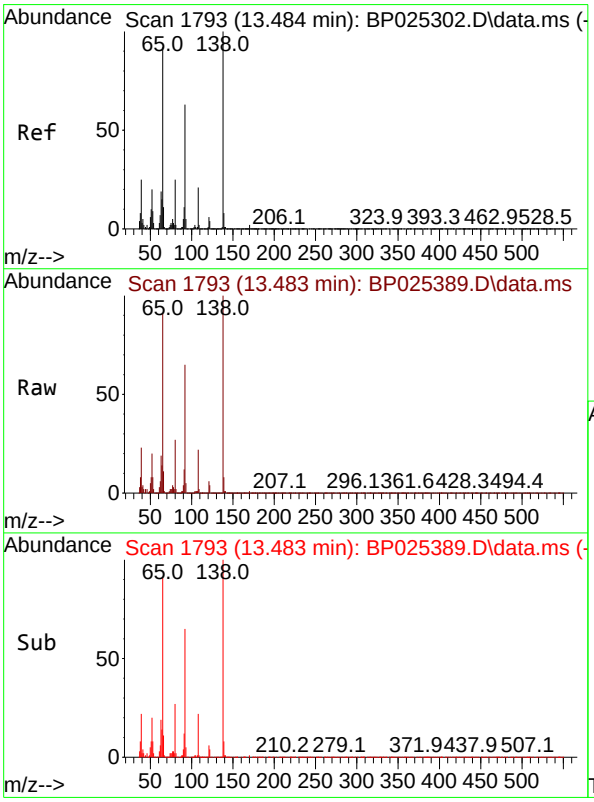
#47
2-Chloronaphthalene
Concen: 40.884 ng
RT: 13.295 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1065180

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.2	48.2
164	32.7	25.9	38.9

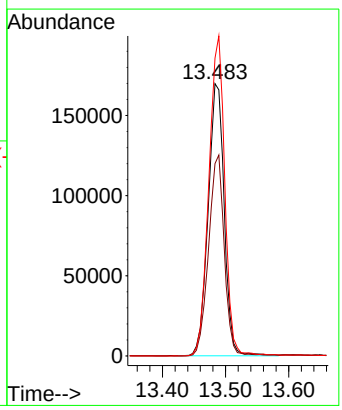


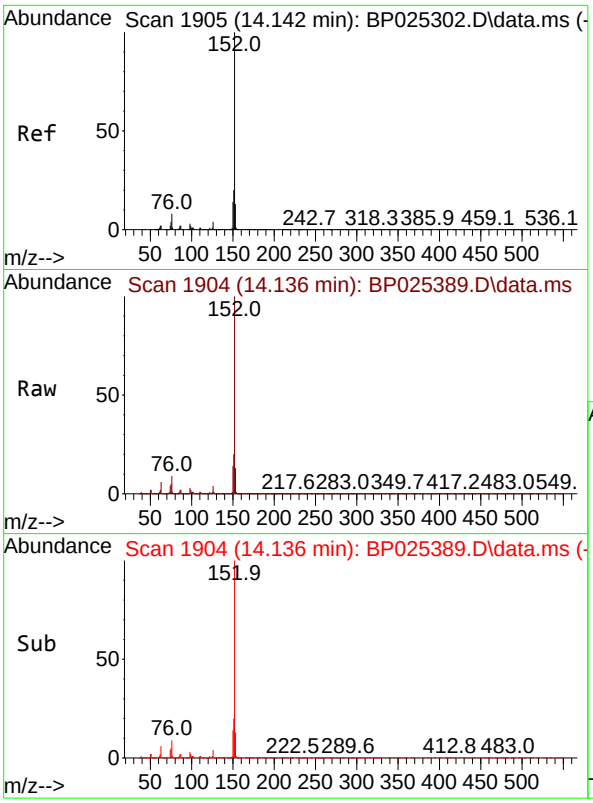


#48
2-Nitroaniline
Concen: 39.849 ng
RT: 13.483 min Scan# 1793
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion: 65 Resp: 300035

Ion	Ratio	Lower	Upper
65	100		
92	70.6	54.4	81.6
138	109.3	87.0	130.4



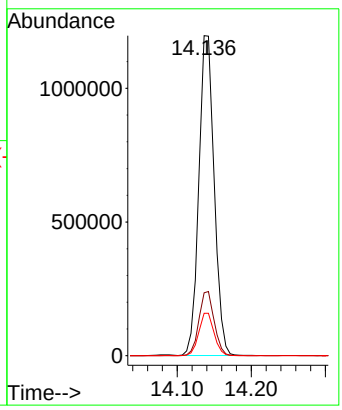


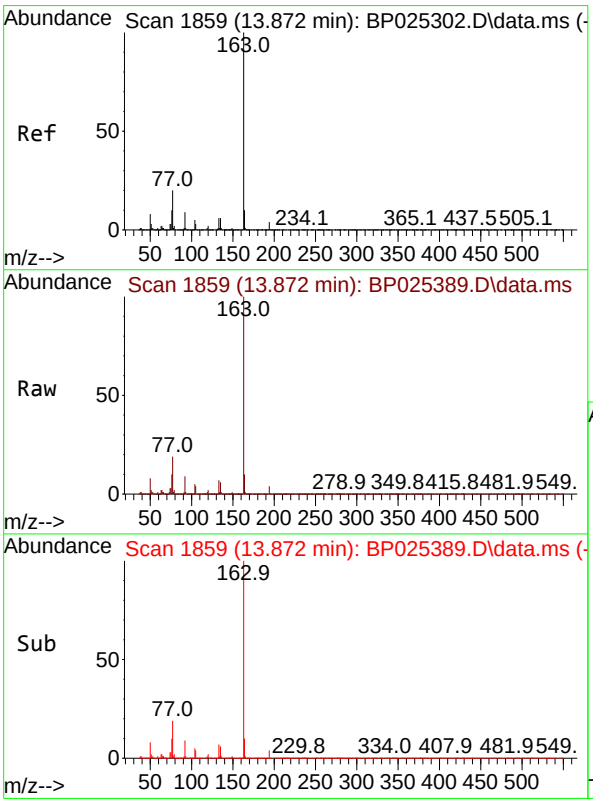
#49
Acenaphthylene
Concen: 39.622 ng
RT: 14.136 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1721913

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.4	15.6

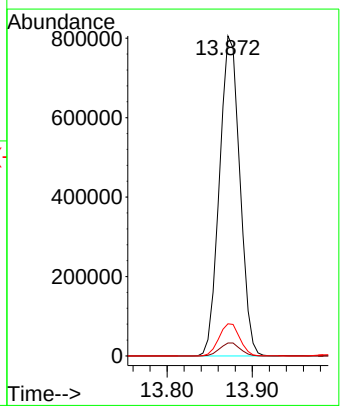


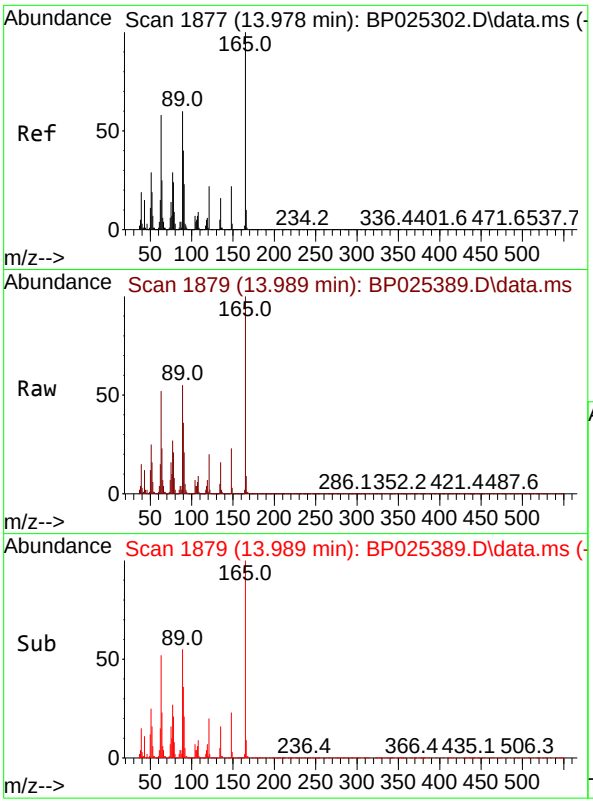


#50
Dimethylphthalate
Concen: 39.703 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:163 Resp: 1341204

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.0	12.0



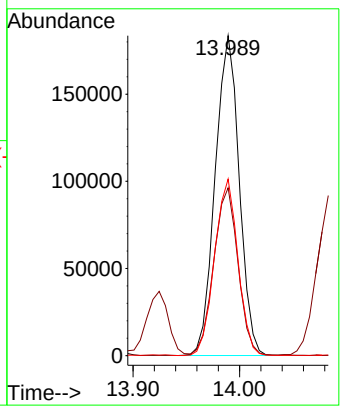


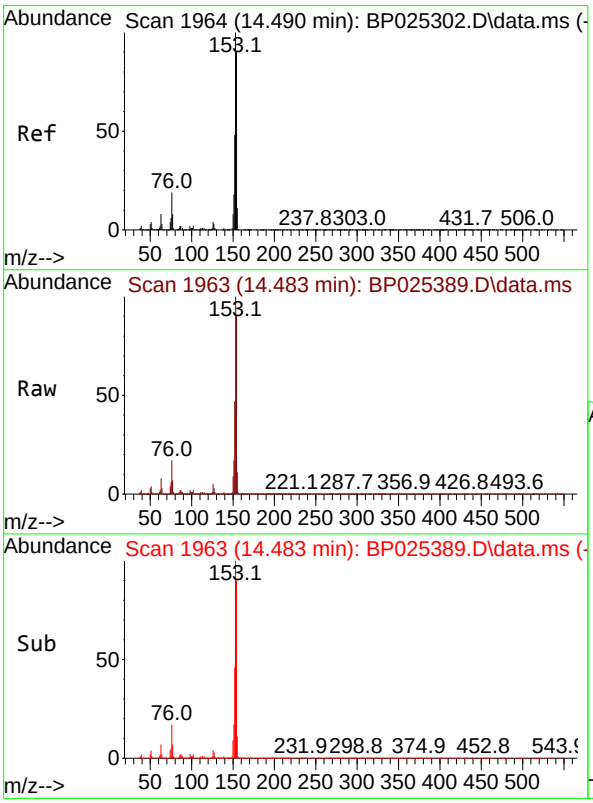
#51
2,6-Dinitrotoluene
Concen: 46.139 ng
RT: 13.989 min Scan# 1
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 287495

Ion	Ratio	Lower	Upper
165	100		
63	52.5	47.6	71.4
89	55.2	47.8	71.8

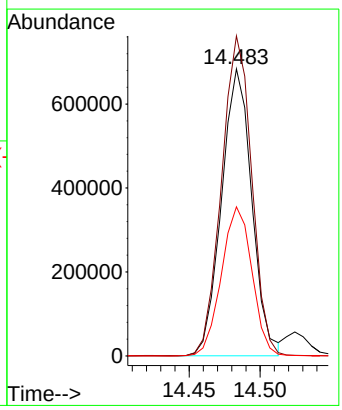


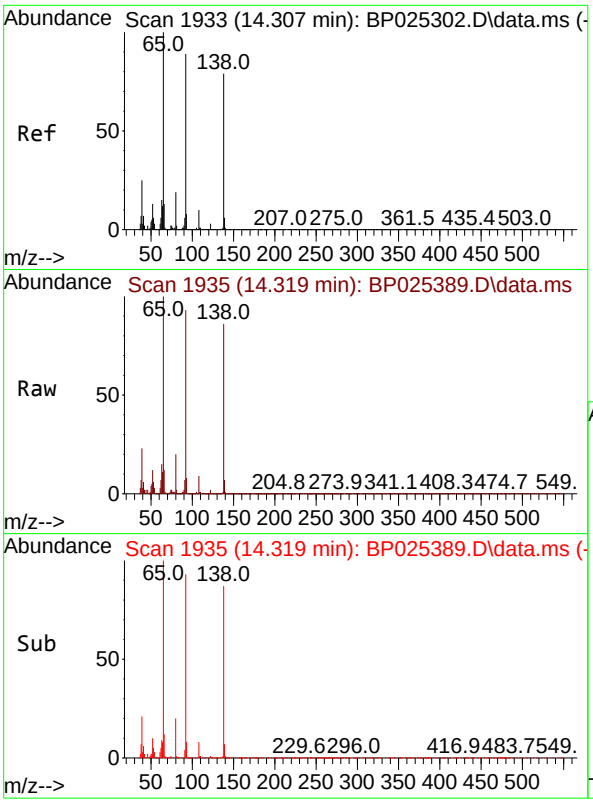


#52
Acenaphthene
Concen: 38.218 ng
RT: 14.483 min Scan# 1963
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:154 Resp: 1013099

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.4	134.0
152	52.0	43.0	64.6



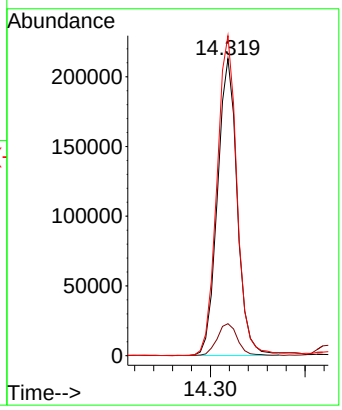


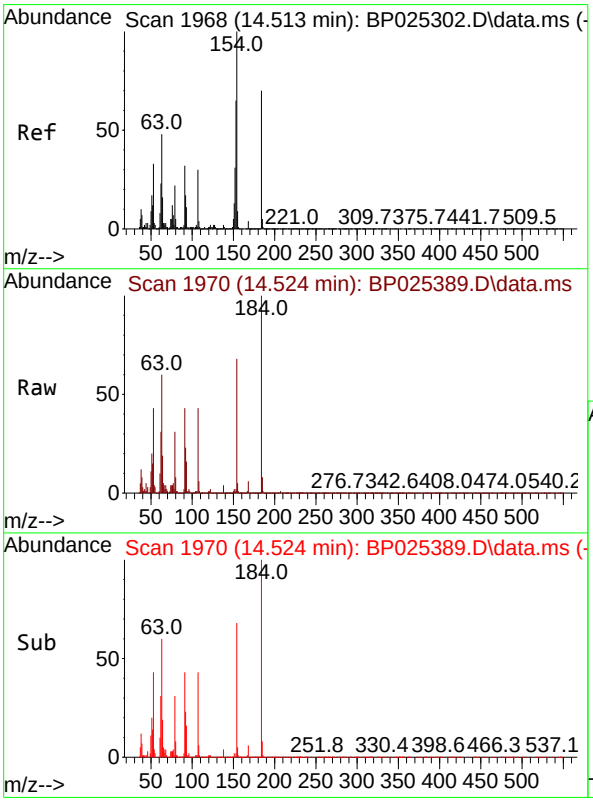
#53
3-Nitroaniline
Concen: 42.464 ng
RT: 14.319 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 309614

Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.5	15.7
92	107.7	90.9	136.3

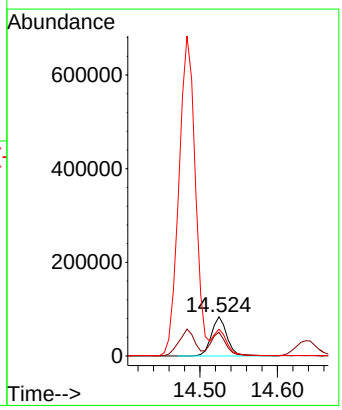


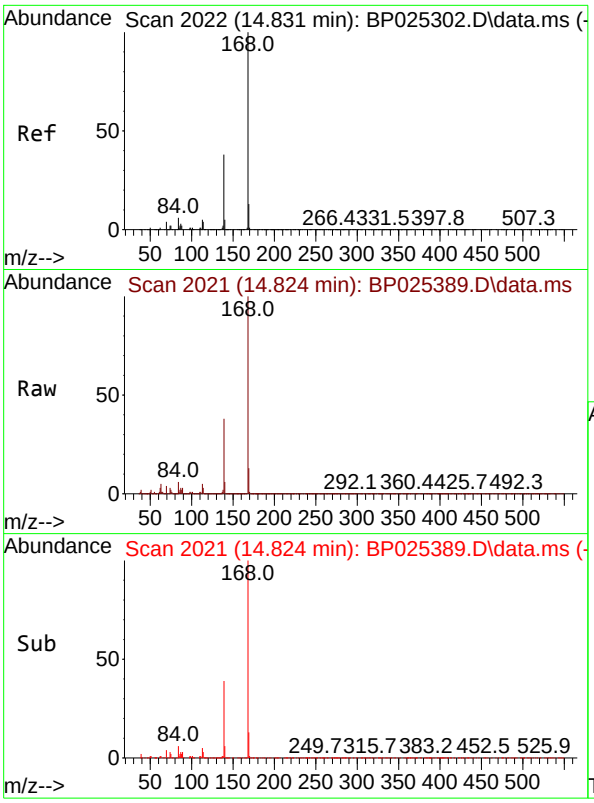


#54
2,4-Dinitrophenol
Concen: 46.258 ng
RT: 14.524 min Scan# 1970
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:184 Resp: 117674

Ion	Ratio	Lower	Upper
184	100		
63	60.5	56.3	84.5
154	68.2	124.5	186.7#



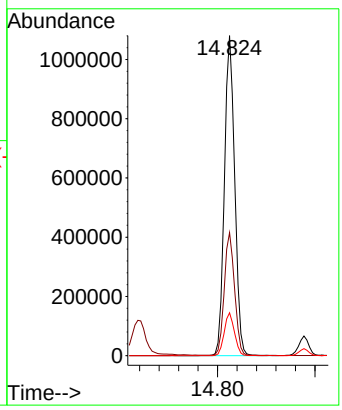


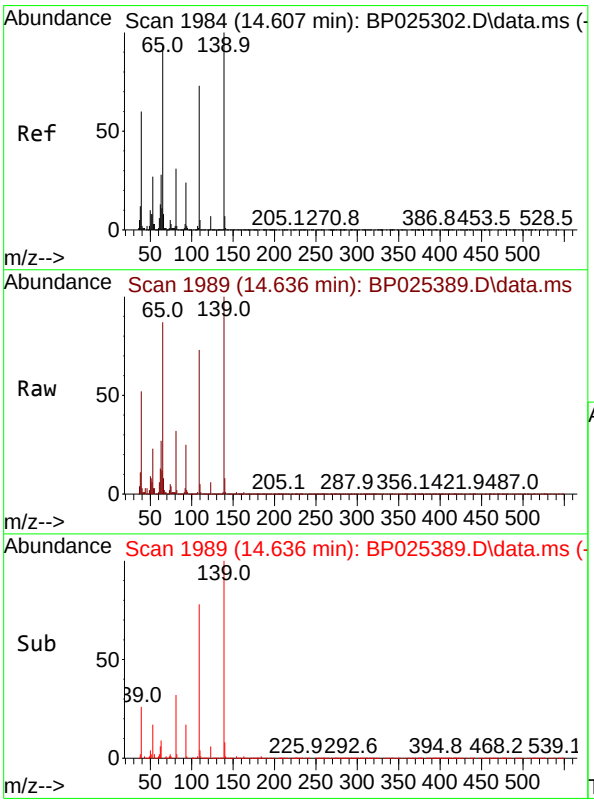
#55
Dibenzofuran
Concen: 40.249 ng
RT: 14.824 min Scan# 2
Delta R.T. -0.007 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1594419

Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.5	45.7
169	13.4	10.6	15.8

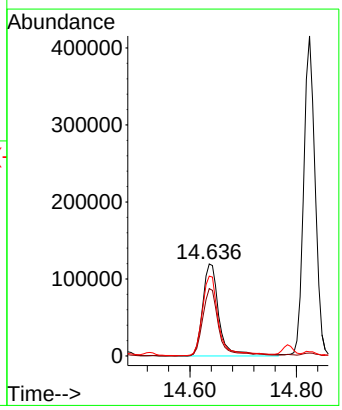


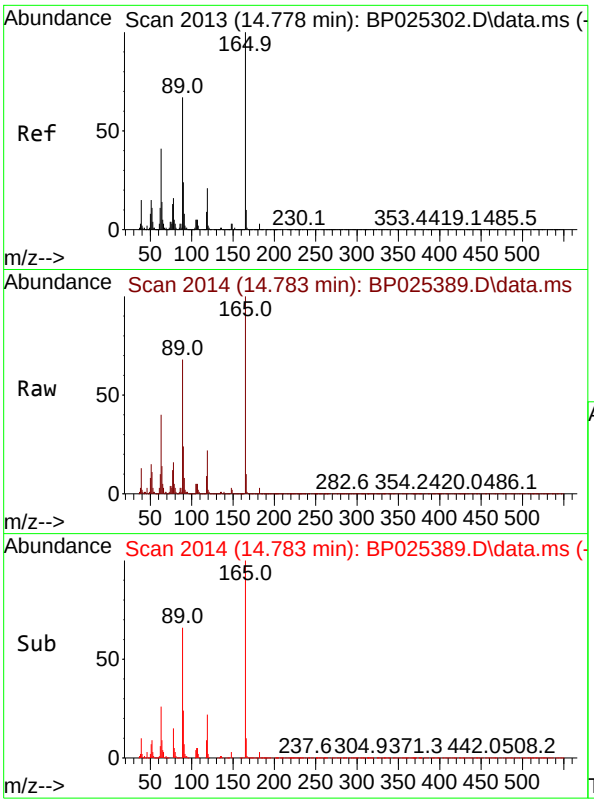


#56
4-Nitrophenol
Concen: 39.388 ng
RT: 14.636 min Scan# 1989
Delta R.T. 0.029 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:139 Resp: 253454

Ion	Ratio	Lower	Upper
139	100		
109	73.3	52.7	92.7
65	86.9	73.4	113.4



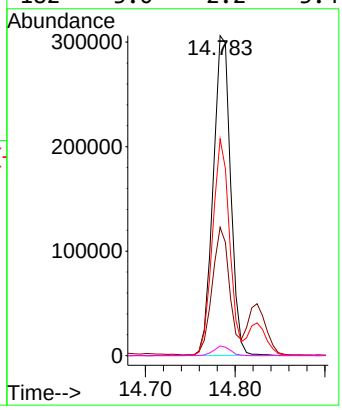


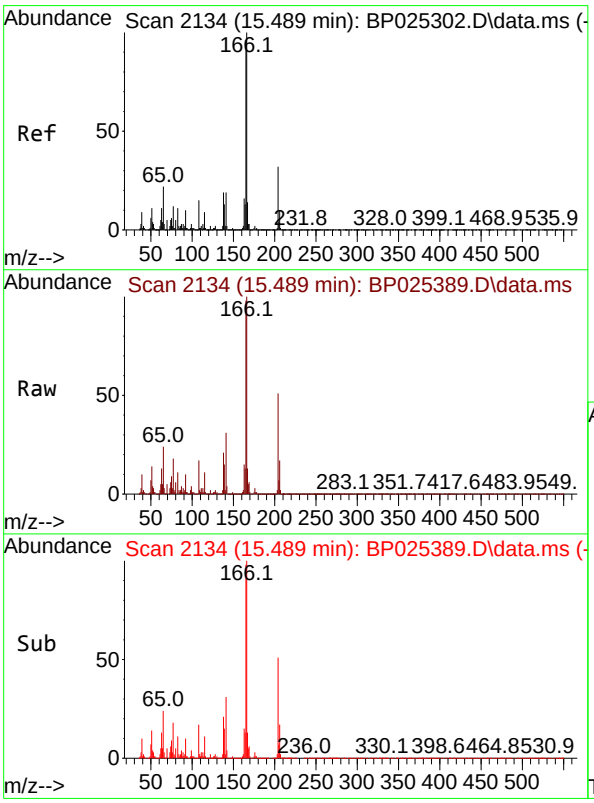
#57
2,4-Dinitrotoluene
Concen: 43.163 ng
RT: 14.783 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 413517

Ion	Ratio	Lower	Upper
165	100		
63	40.1	33.2	49.8
89	67.7	53.5	80.3
182	3.0	2.2	3.4

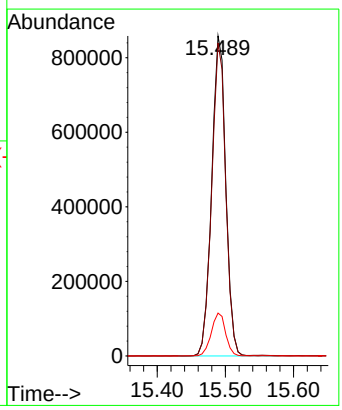


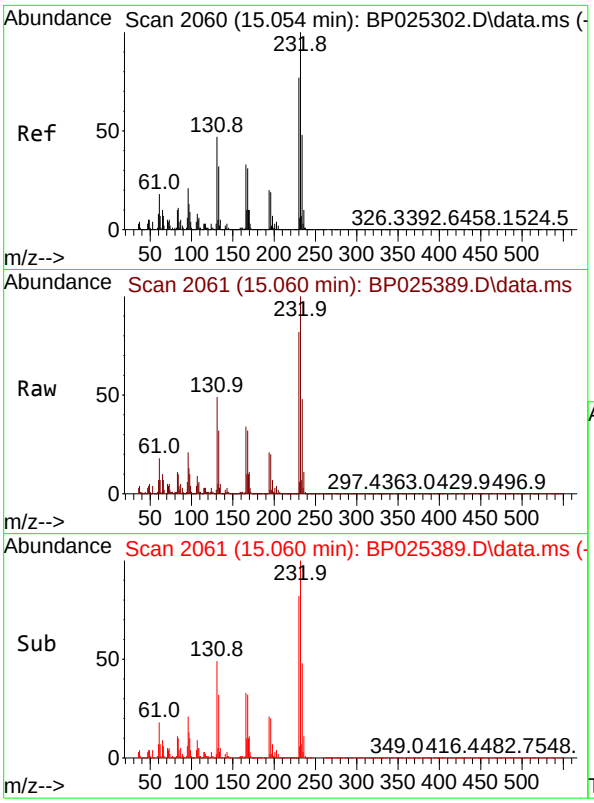


#58
Fluorene
Concen: 39.744 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:166 Resp: 1236568

Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.7	115.1
167	13.4	10.9	16.3



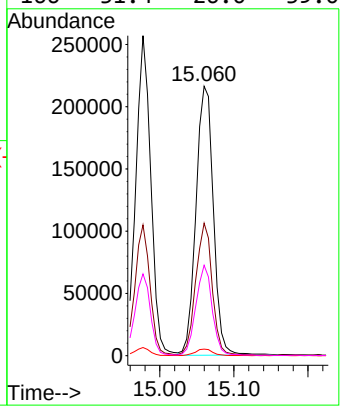


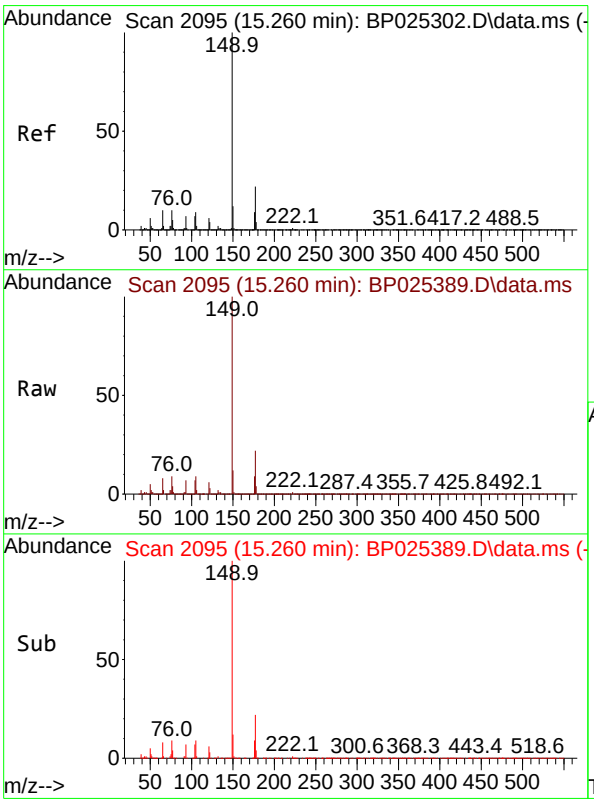
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.967 ng
RT: 15.060 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 352030

Ion	Ratio	Lower	Upper
232	100		
131	47.0	39.3	58.9
130	2.6	2.2	3.2
166	31.4	26.0	39.0

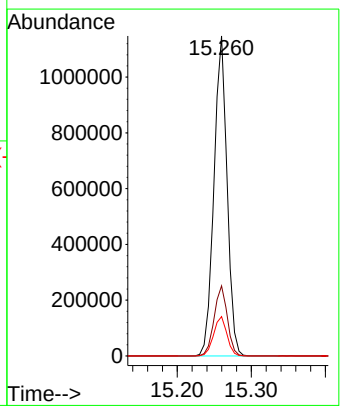


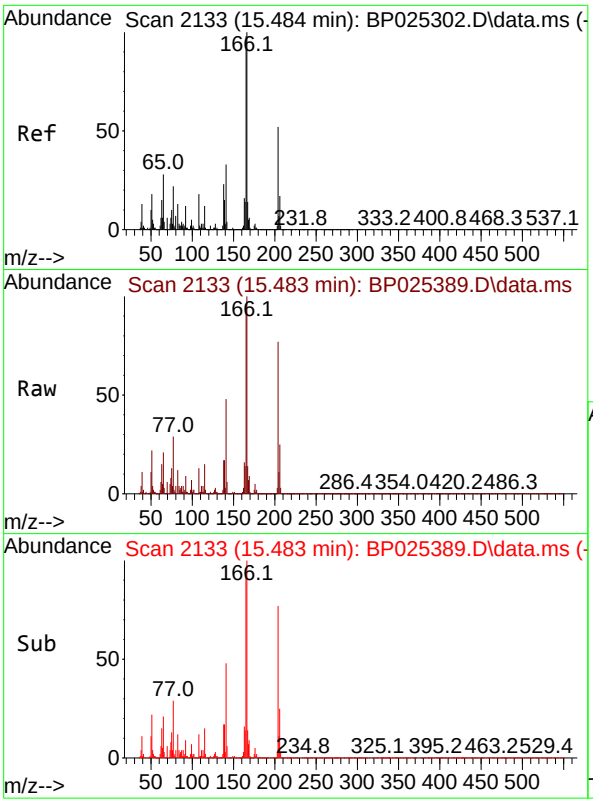


#60
Diethylphthalate
Concen: 41.263 ng
RT: 15.260 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 1405313

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.3	9.8	14.8



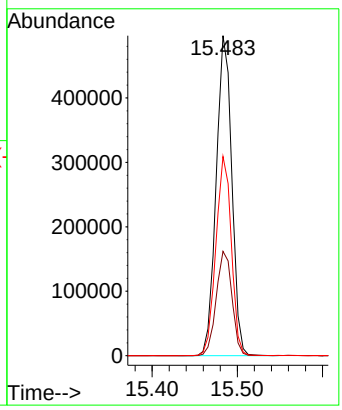


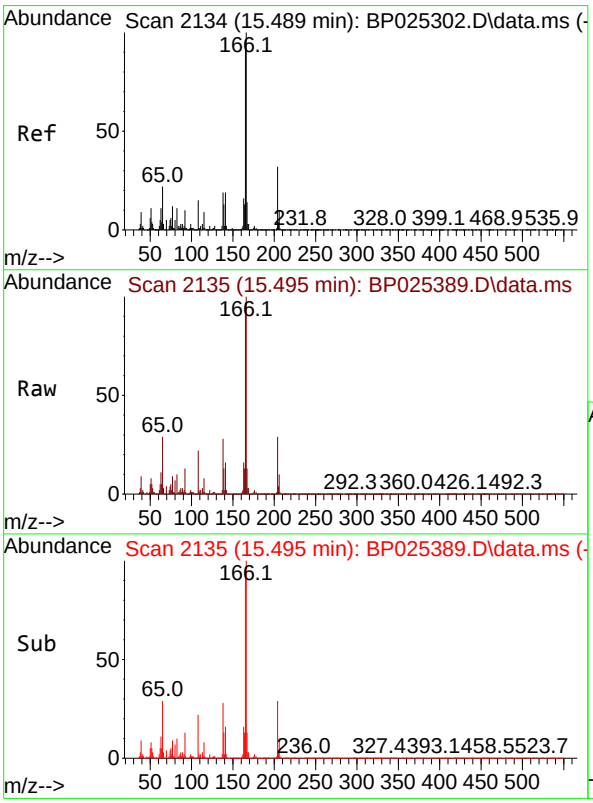
#61
4-Chlorophenyl-phenylether
Concen: 42.846 ng
RT: 15.483 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 631982

Ion	Ratio	Lower	Upper
204	100		
206	32.6	27.0	40.4
141	62.2	50.3	75.5

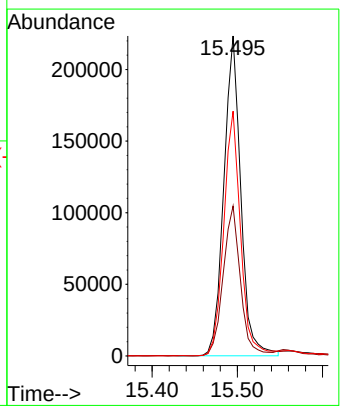


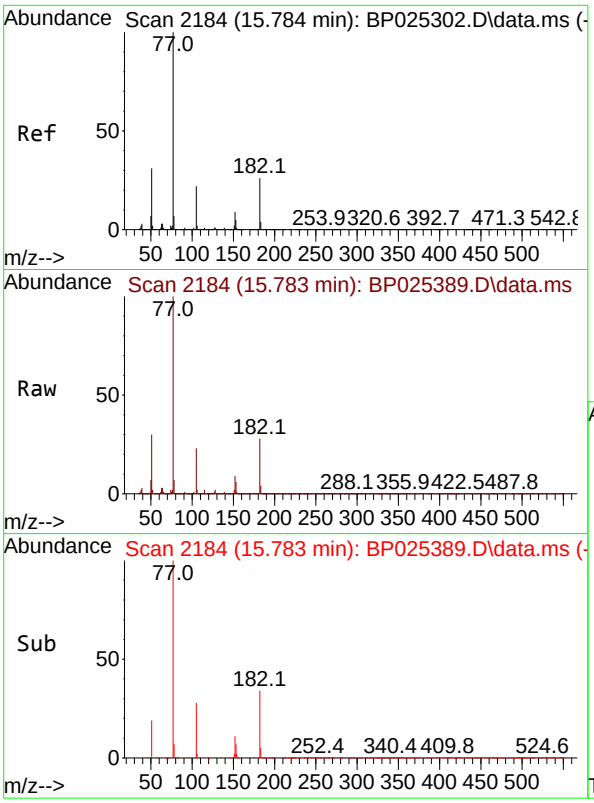


#62
4-Nitroaniline
Concen: 42.799 ng
RT: 15.495 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:138 Resp: 309199

Ion	Ratio	Lower	Upper
138	100		
92	46.9	29.8	69.8
108	76.5	56.6	96.6



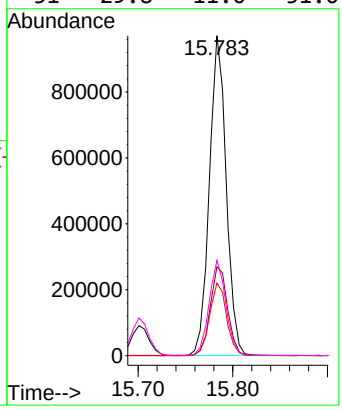


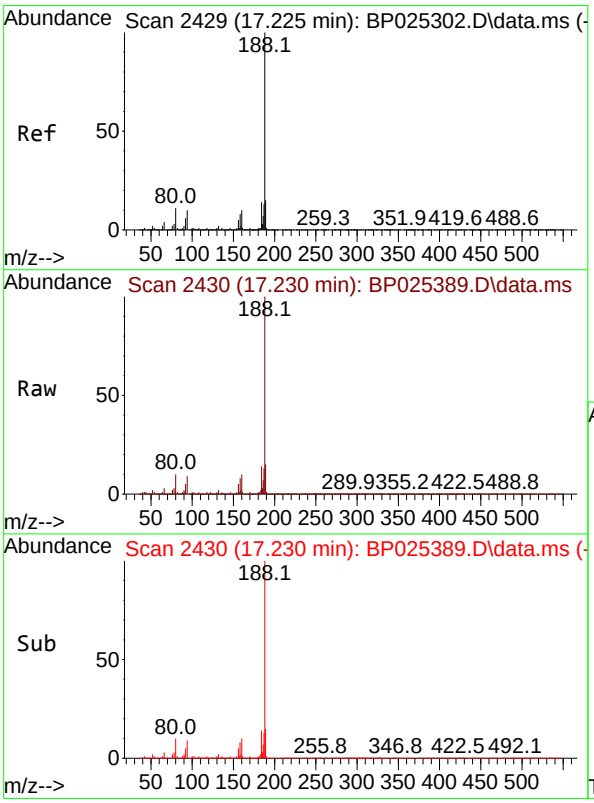
#63
Azobenzene
Concen: 37.708 ng
RT: 15.783 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1193034

Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.0	46.0
105	22.7	2.1	42.1
51	29.8	11.0	51.0

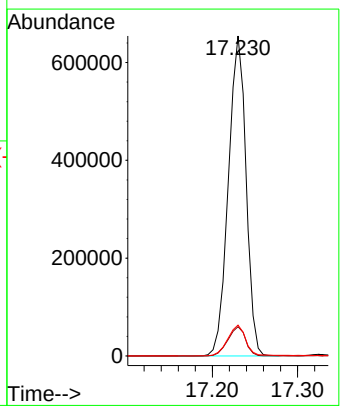


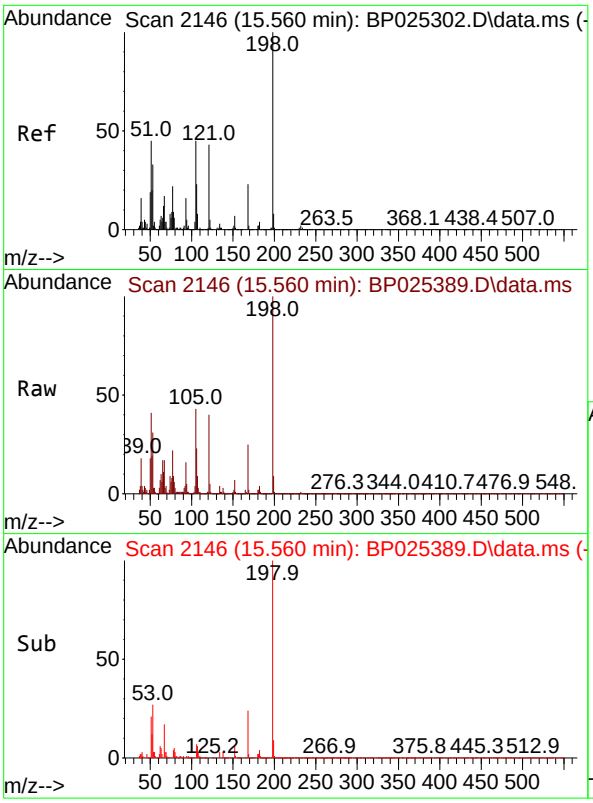


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2430
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:188 Resp: 942404

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.0	12.0
80	9.6	8.5	12.7



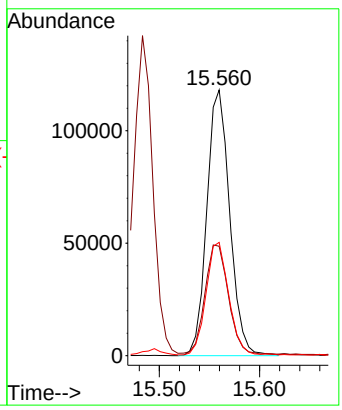


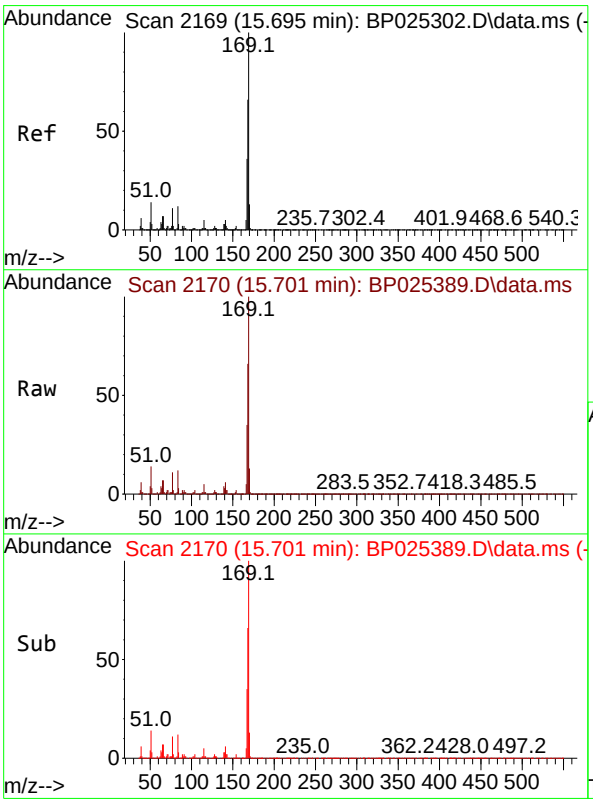
#65
4,6-Dinitro-2-methylphenol
Concen: 45.770 ng
RT: 15.560 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 187566

Ion	Ratio	Lower	Upper
198	100		
51	41.2	26.7	66.7
105	42.6	25.6	65.6

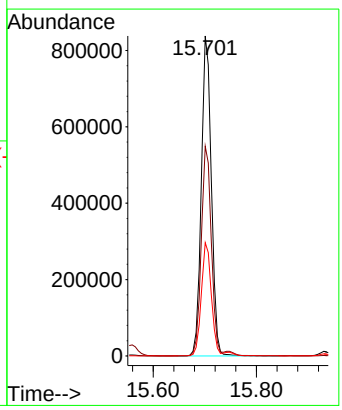


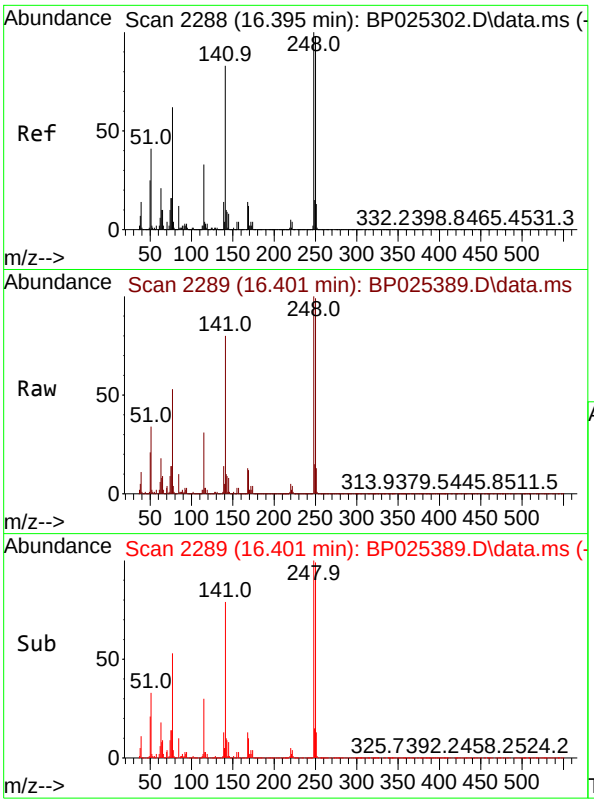


#66
n-Nitrosodiphenylamine
Concen: 39.294 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:169 Resp: 1127513

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.8	79.2
167	35.4	28.5	42.7



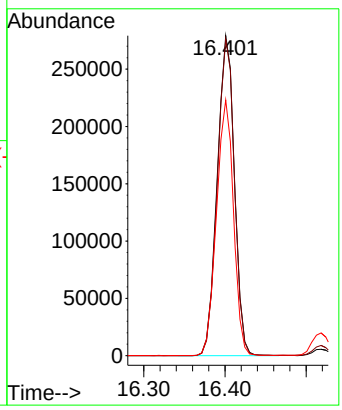


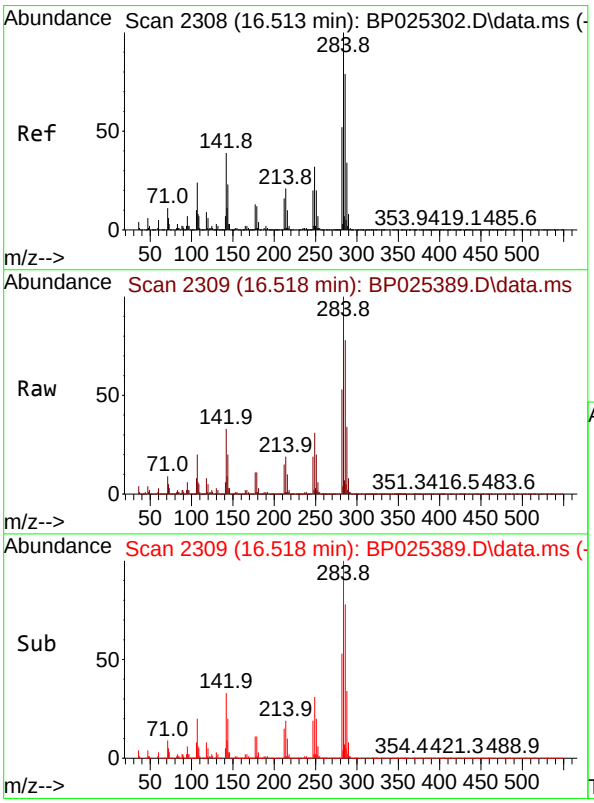
#67
4-Bromophenyl-phenylether
Concen: 43.488 ng
RT: 16.401 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 412364

Ion	Ratio	Lower	Upper
248	100		
250	98.9	78.6	117.8
141	79.9	66.6	99.8

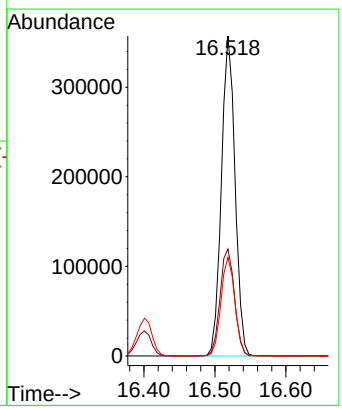


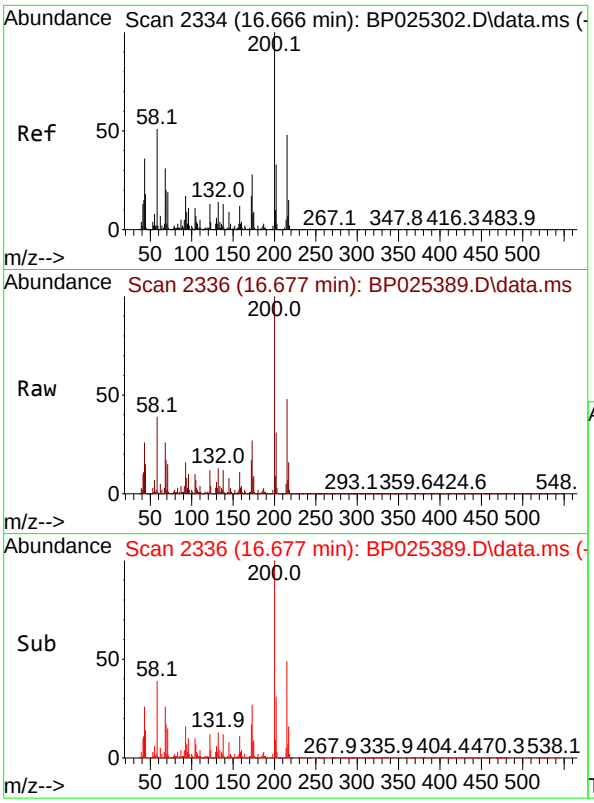


#68
Hexachlorobenzene
Concen: 44.553 ng
RT: 16.518 min Scan# 2309
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:284 Resp: 474025

Ion	Ratio	Lower	Upper
284	100		
142	33.4	30.8	46.2
249	30.8	25.4	38.0



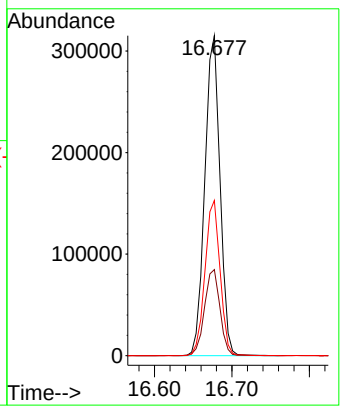


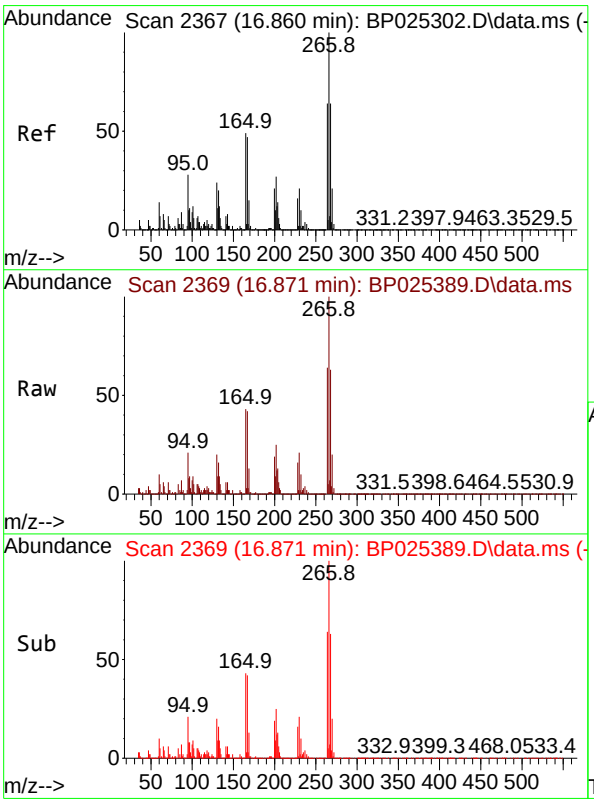
#69
Atrazine
Concen: 42.462 ng
RT: 16.677 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 428489

Ion	Ratio	Lower	Upper
200	100		
173	26.9	8.2	48.2
215	48.5	28.1	68.1

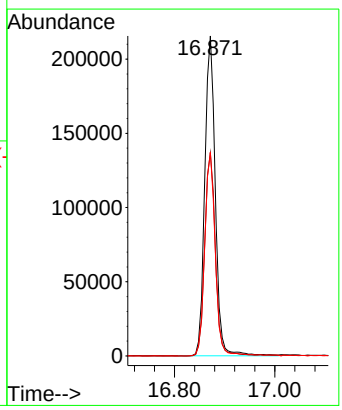


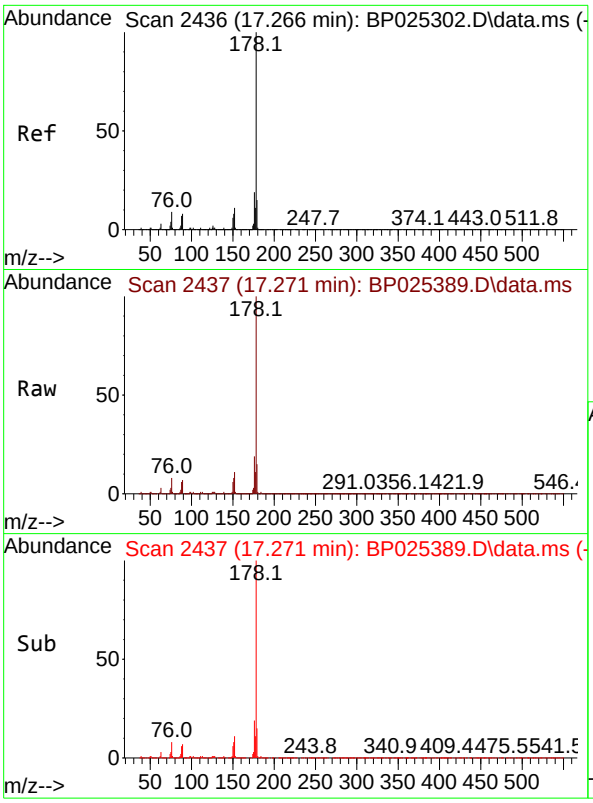


#70
Pentachlorophenol
Concen: 46.638 ng
RT: 16.871 min Scan# 2369
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:266 Resp: 316137

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.4	77.0
264	63.7	51.1	76.7



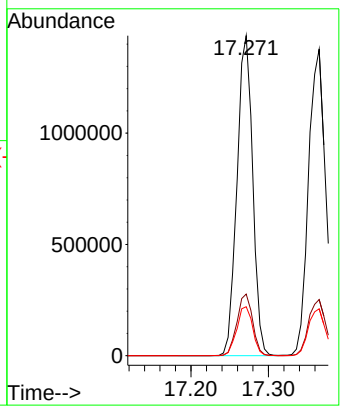


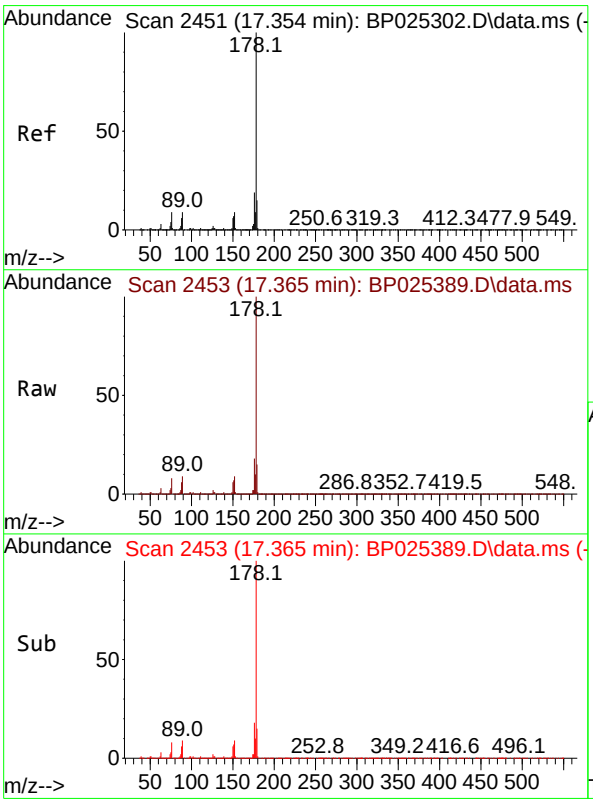
#71
Phenanthrene
Concen: 39.282 ng
RT: 17.271 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2027625

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.3	12.1	18.1

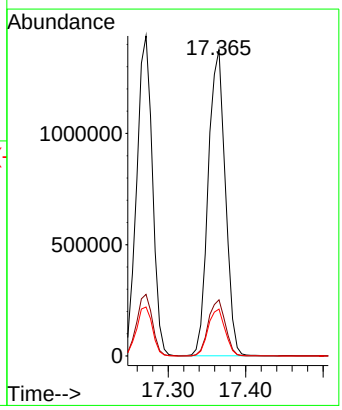


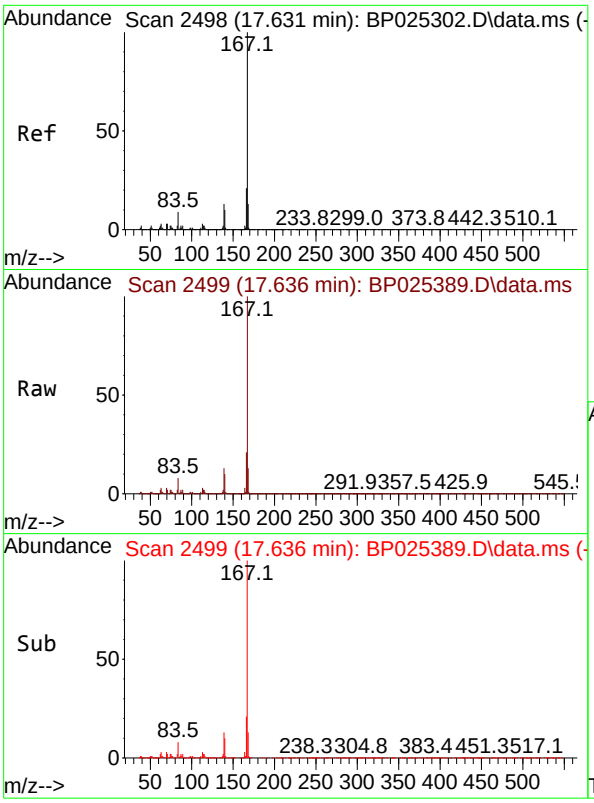


#72
Anthracene
Concen: 40.360 ng
RT: 17.365 min Scan# 2453
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:178 Resp: 2100517

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.3	18.5



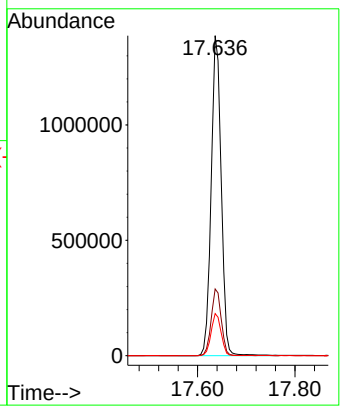


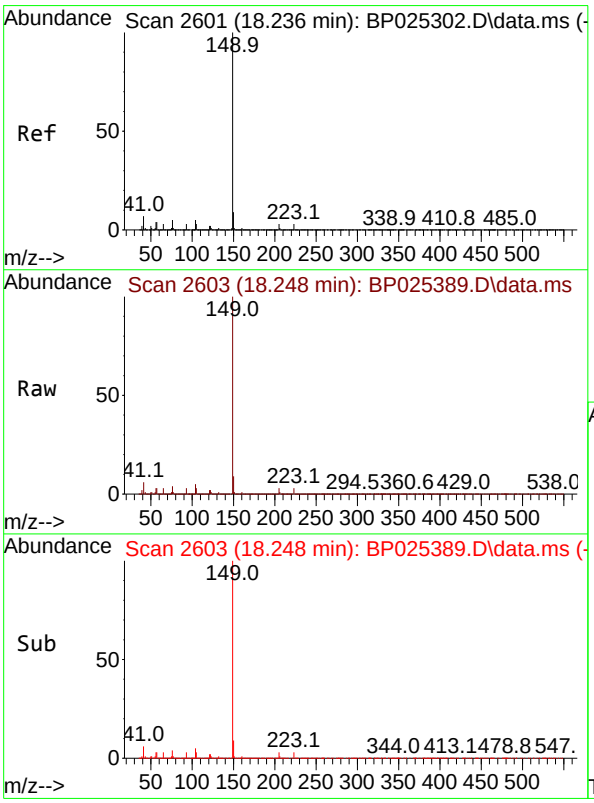
#73
Carbazole
Concen: 39.392 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1967991

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	13.1	10.6	16.0

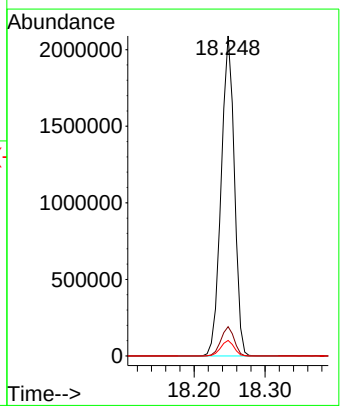


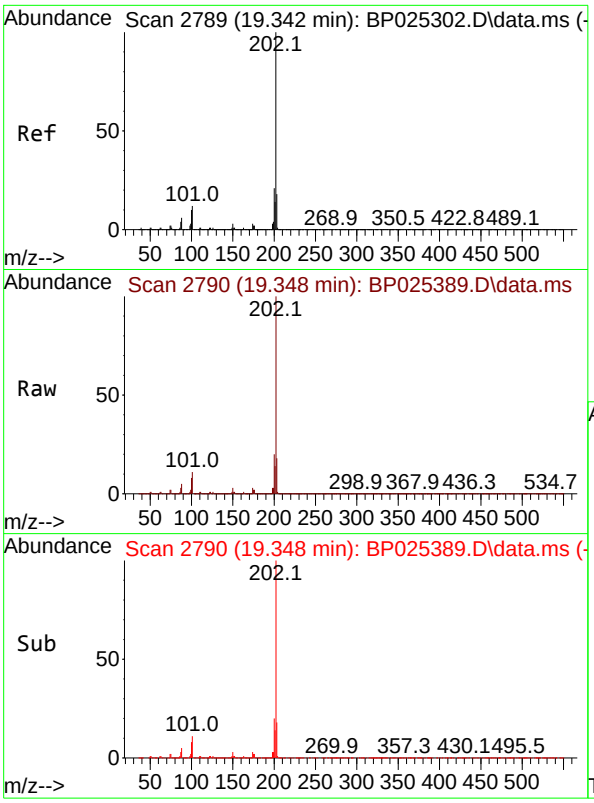


#74
Di-n-butylphthalate
Concen: 44.506 ng
RT: 18.248 min Scan# 2603
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 2689910

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.8	4.1	6.1



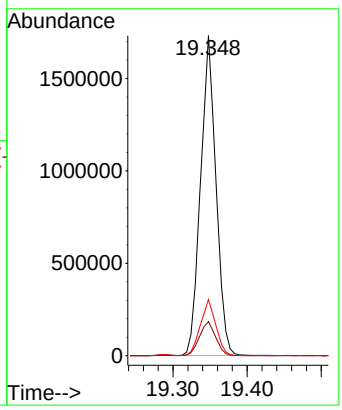


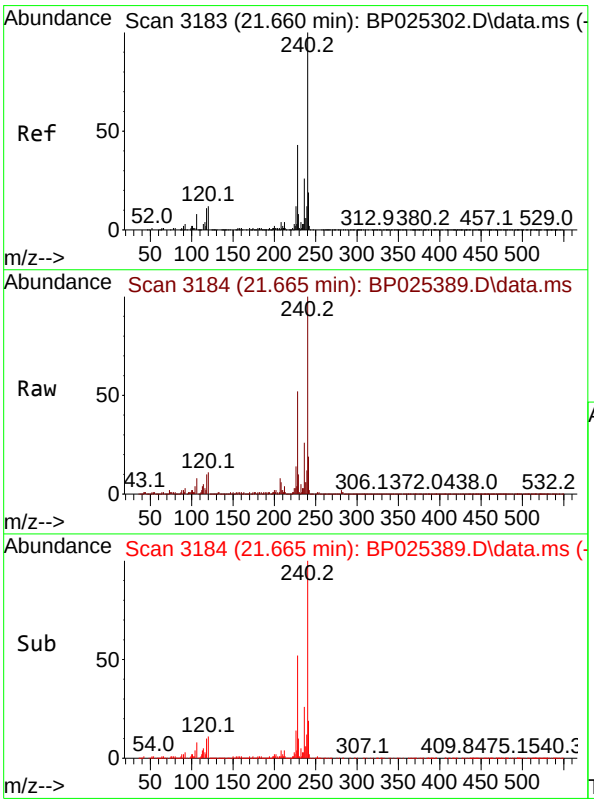
#75
Fluoranthene
Concen: 41.959 ng
RT: 19.348 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2507136

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.5
203	17.5	0.0	37.6

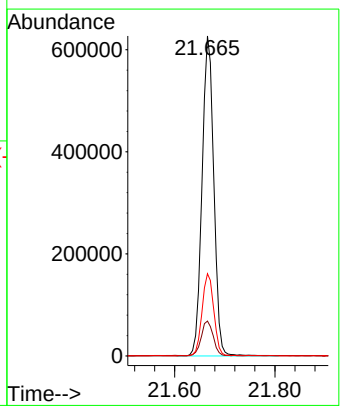


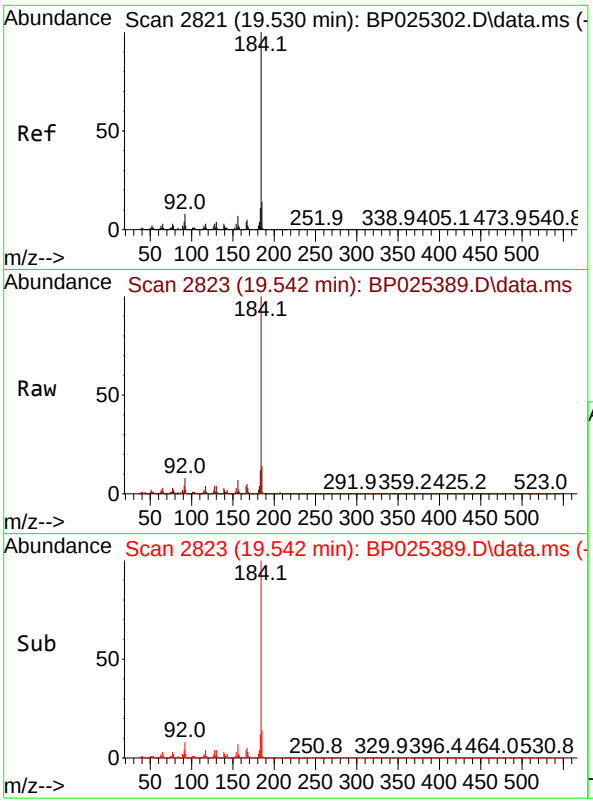


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.665 min Scan# 3184
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:240 Resp: 1019671

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.6	14.4
236	25.7	20.4	30.6



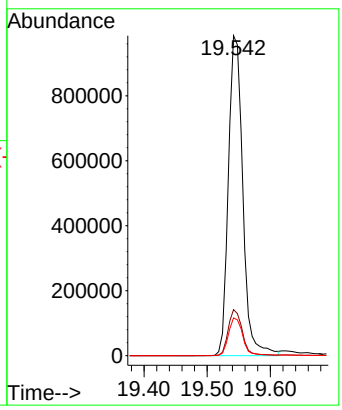


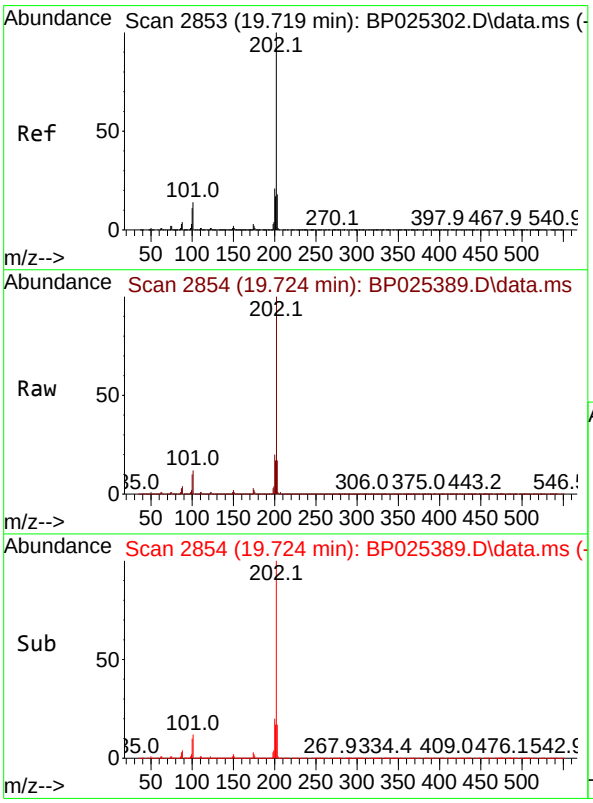
#77
Benzidine
Concen: 42.288 ng
RT: 19.542 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1560704

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.0	16.6
183	11.8	9.2	13.8

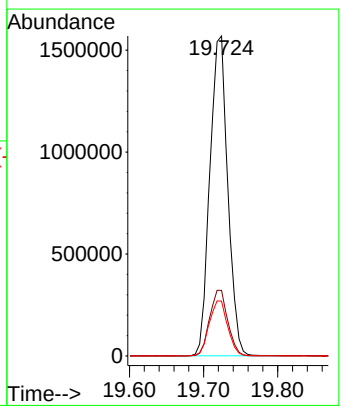


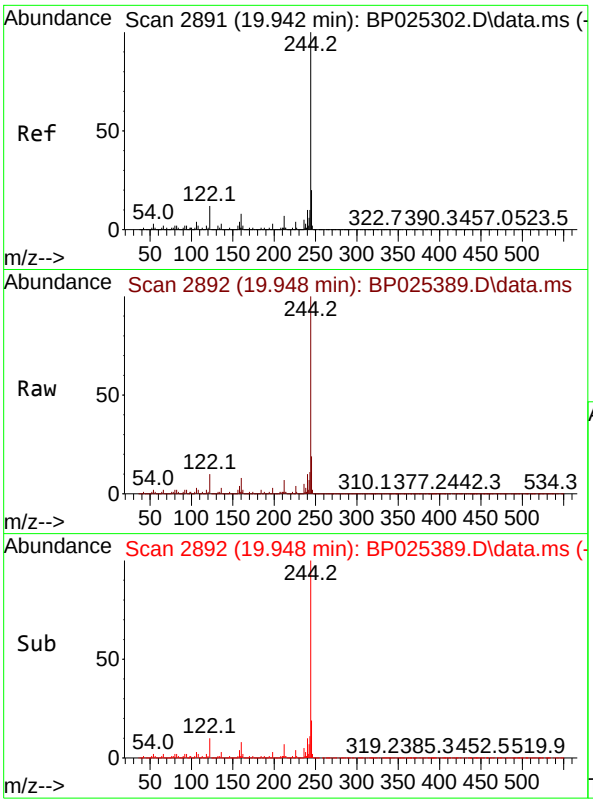


#78
Pyrene
Concen: 38.813 ng
RT: 19.724 min Scan# 2854
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:202 Resp: 2631764

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	17.2	14.1	21.1



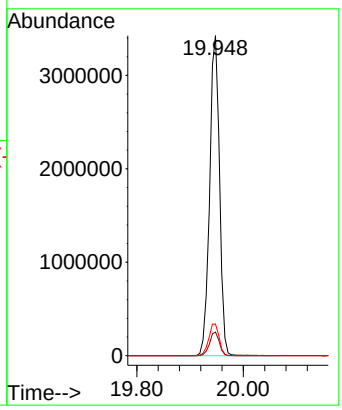


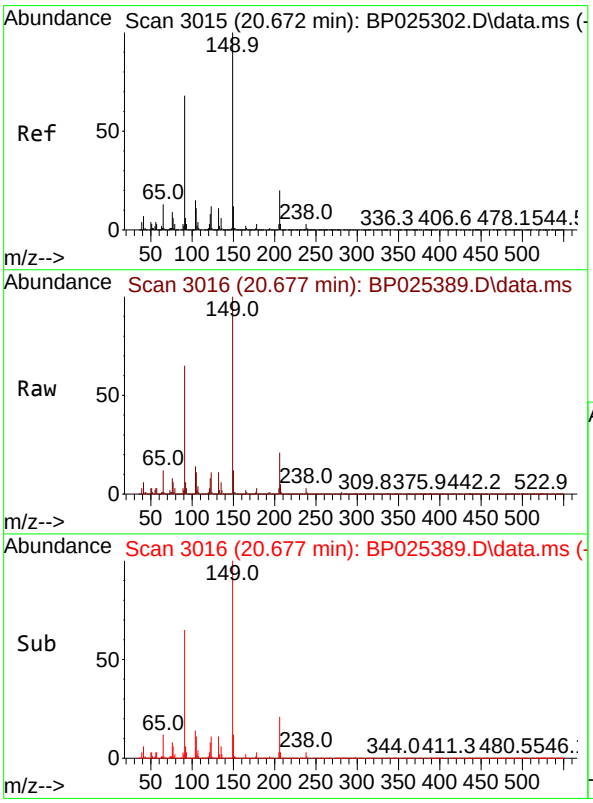
#79
Terphenyl-d14
Concen: 81.610 ng
RT: 19.948 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 4405762

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	9.9	9.5	14.3

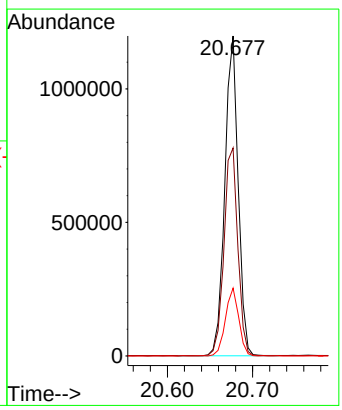


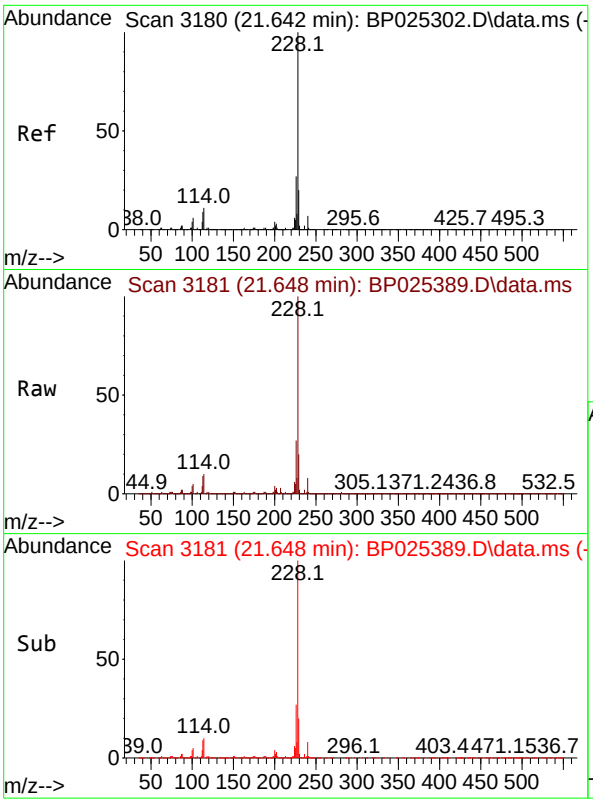


#80
Butylbenzylphthalate
Concen: 47.282 ng
RT: 20.677 min Scan# 3016
Delta R.T. 0.005 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 1300248

Ion	Ratio	Lower	Upper
149	100		
91	65.0	54.7	82.1
206	21.2	16.4	24.6



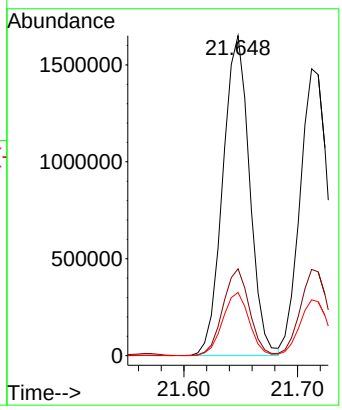


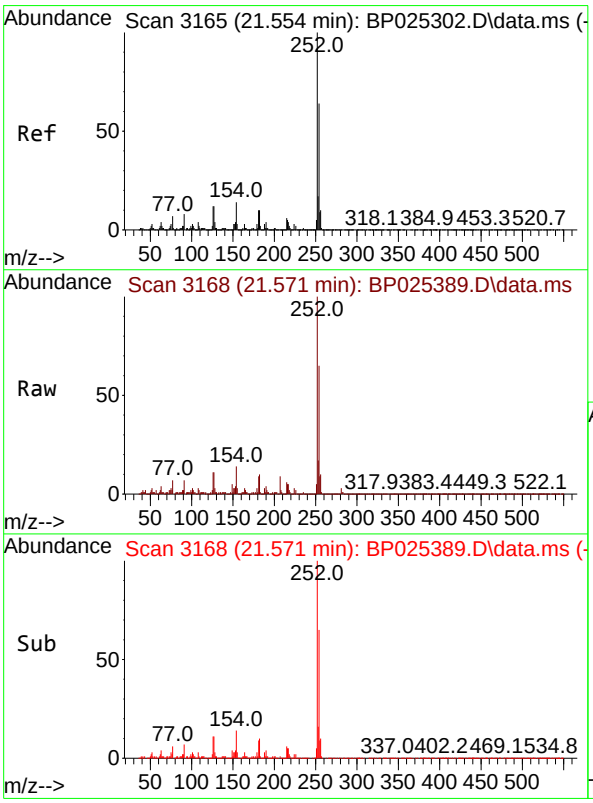
#81
Benzo(a)anthracene
Concen: 39.903 ng
RT: 21.648 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2703813

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.8	16.0	24.0

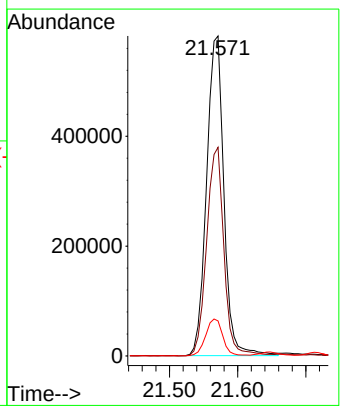


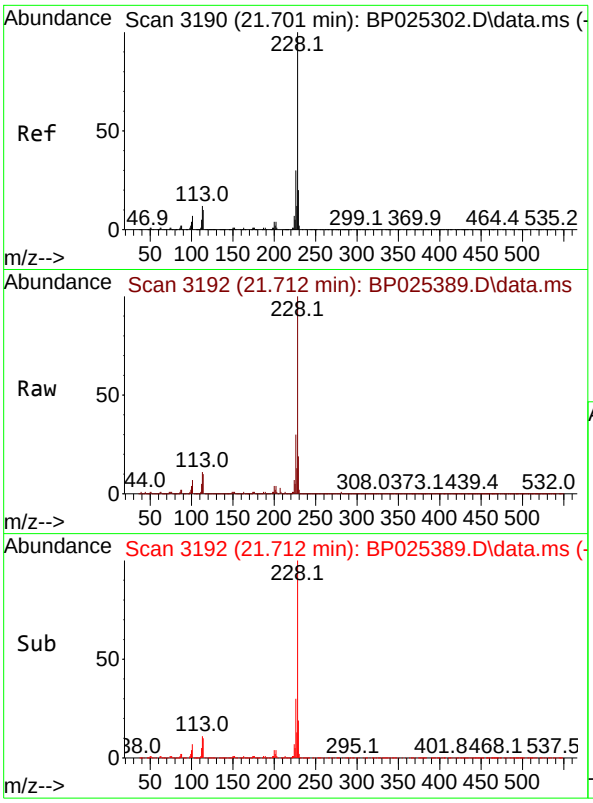


#82
3,3'-Dichlorobenzidine
Concen: 43.133 ng
RT: 21.571 min Scan# 3168
Delta R.T. 0.017 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 1031182

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.0	76.6
126	11.0	9.4	14.2



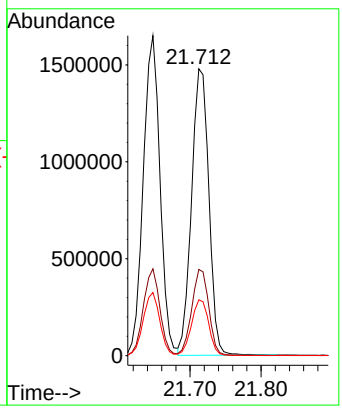


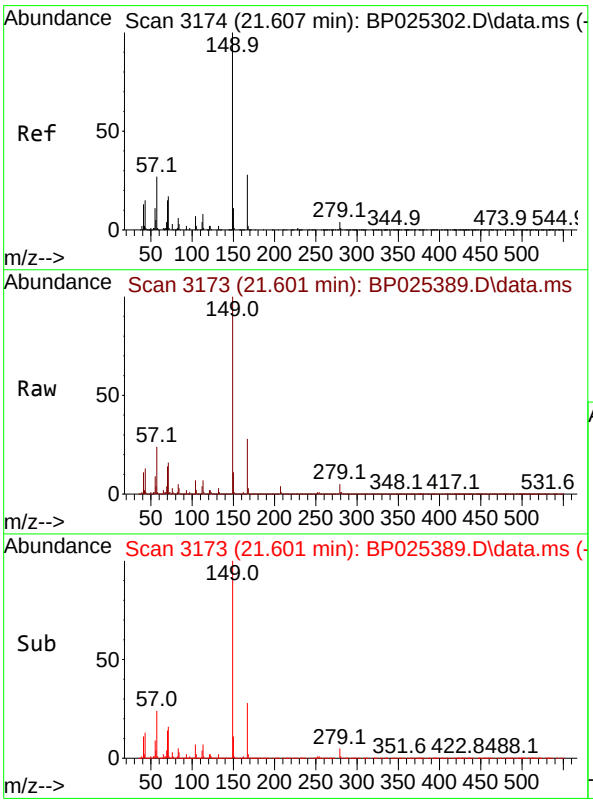
#83
Chrysene
Concen: 39.909 ng
RT: 21.712 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2508190

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.5	15.9	23.9

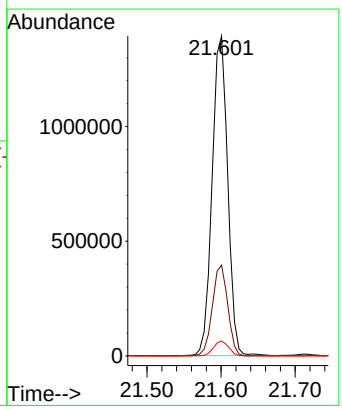


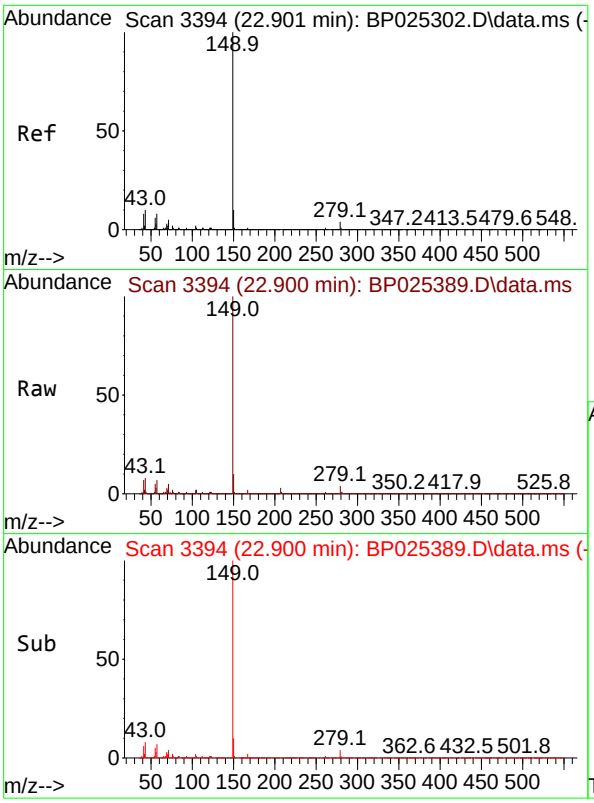


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.239 ng
RT: 21.601 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:149 Resp: 2030394

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.1	33.1
279	4.6	3.4	5.2



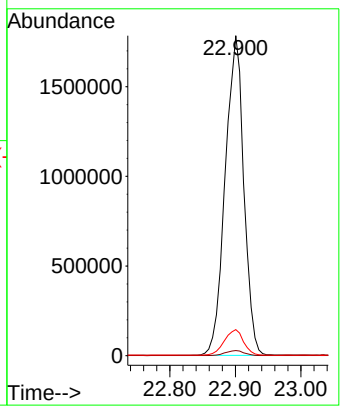


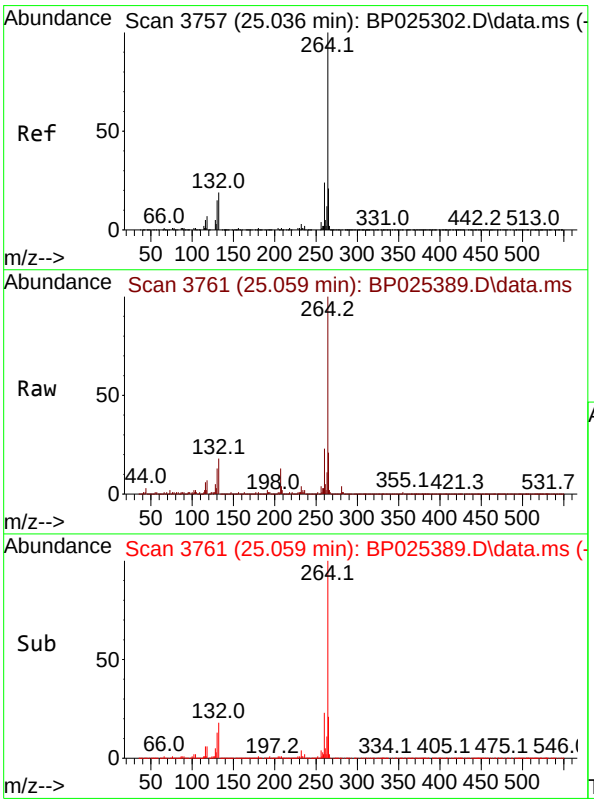
#85
Di-n-octyl phthalate
Concen: 47.807 ng
RT: 22.900 min Scan# 3
Delta R.T. -0.001 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 3513733

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	7.9	11.9

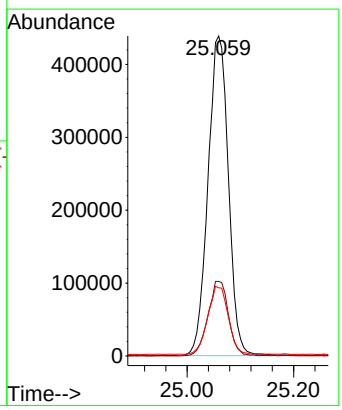


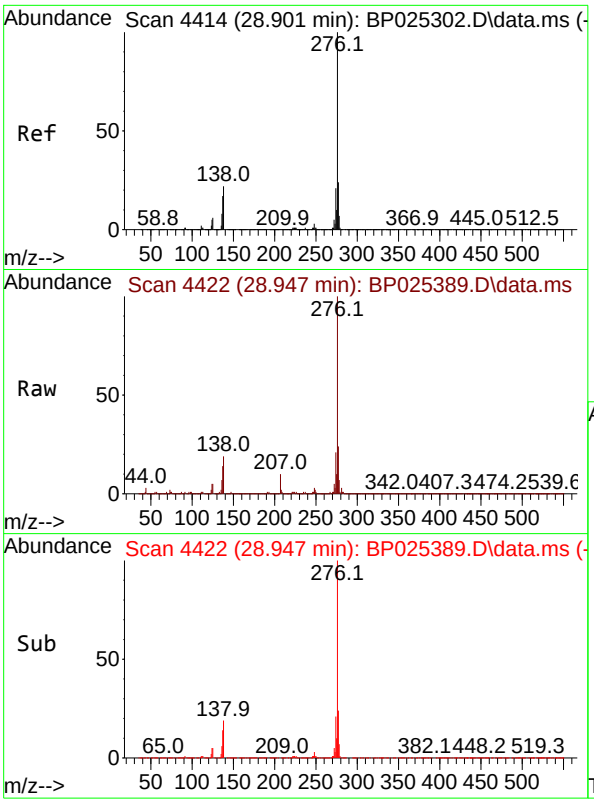


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.059 min Scan# 3761
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:264 Resp: 1166515

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	17.1	25.7



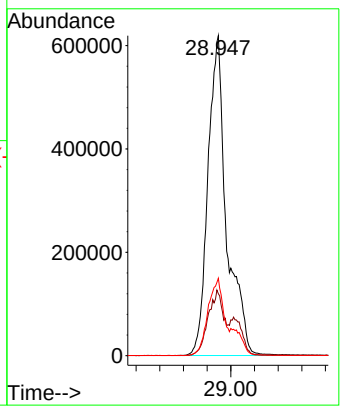


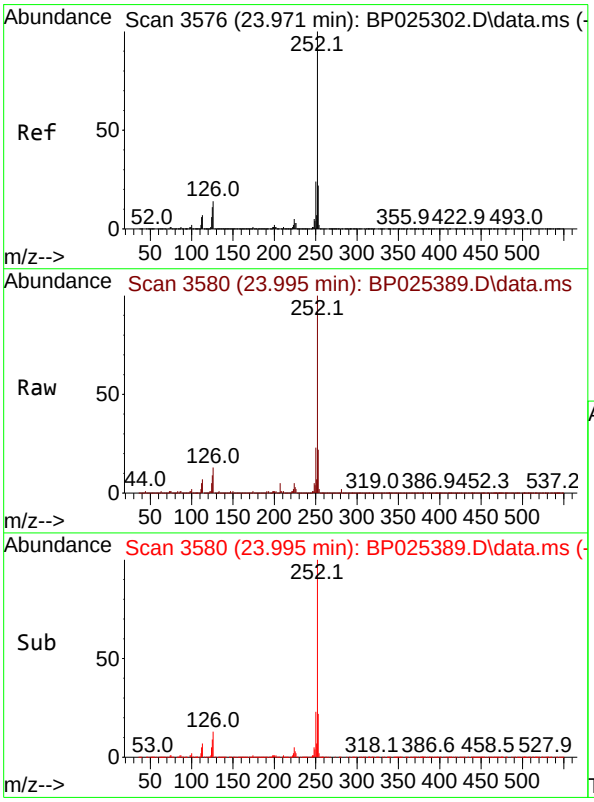
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.644 ng
RT: 28.947 min Scan# 4
Delta R.T. 0.046 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 3398258

Ion	Ratio	Lower	Upper
276	100		
138	17.8	14.6	22.0
277	20.2	16.8	25.2

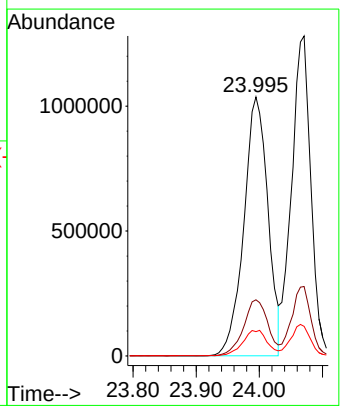


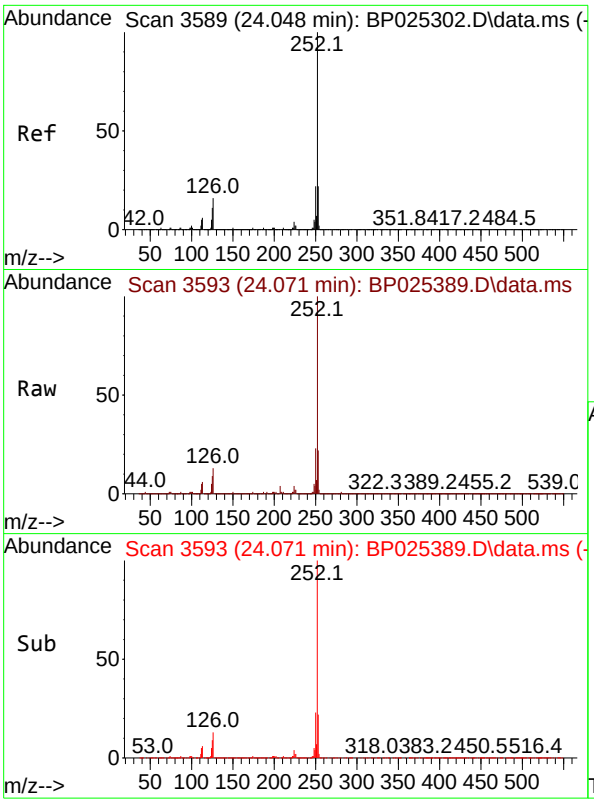


#88
Benzo(b)fluoranthene
Concen: 39.327 ng
RT: 23.995 min Scan# 3580
Delta R.T. 0.024 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 2746202

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.4	8.5	12.7



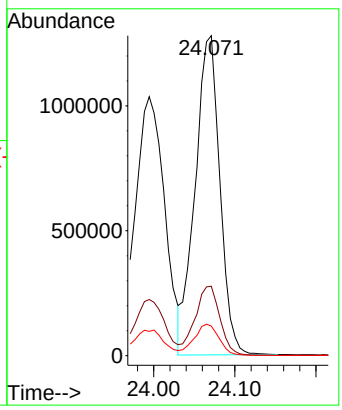


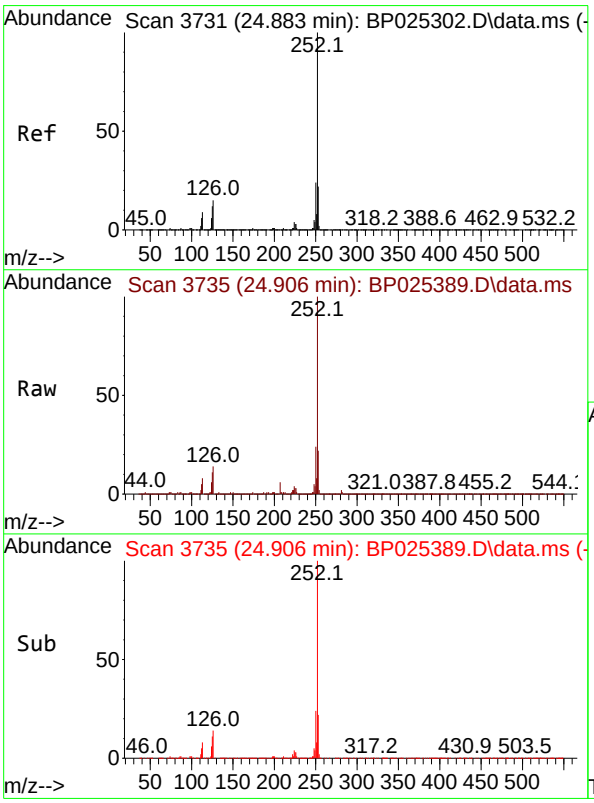
#89
Benzo(k)fluoranthene
Concen: 39.093 ng
RT: 24.071 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2706136

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.2	8.5	12.7

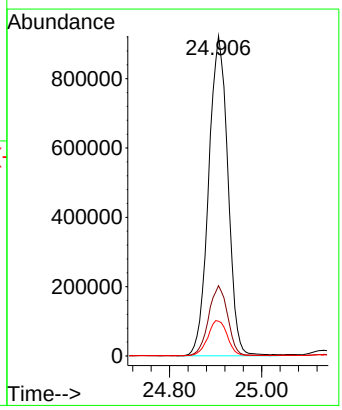


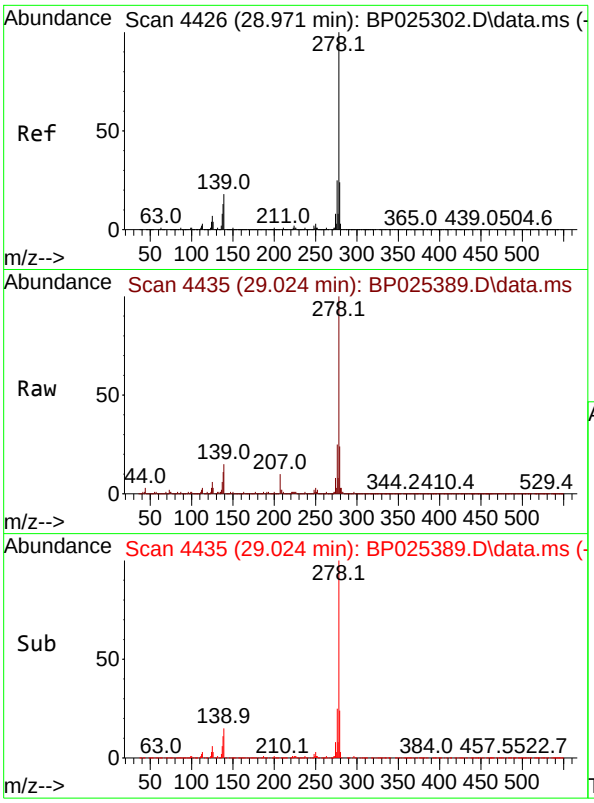


#90
Benzo(a)pyrene
Concen: 39.699 ng
RT: 24.906 min Scan# 3735
Delta R.T. 0.023 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:252 Resp: 2669640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.8	9.4	14.0



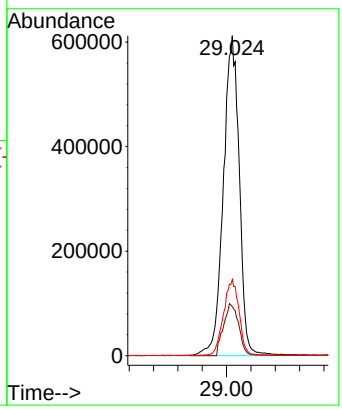


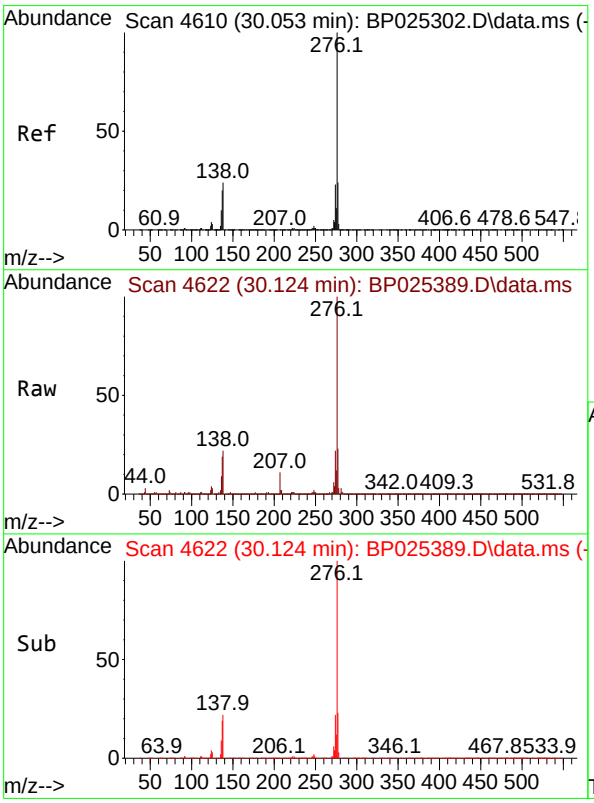
#91
Dibenzo(a,h)anthracene
Concen: 40.680 ng
RT: 29.024 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2785665

Ion	Ratio	Lower	Upper
278	100		
139	15.4	14.6	22.0
279	23.8	19.0	28.4

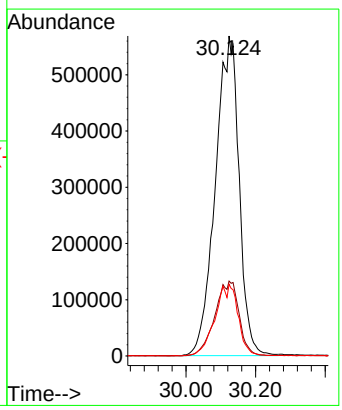




#92
Benzo(g,h,i)perylene
Concen: 40.074 ng
RT: 30.124 min Scan# 4622
Delta R.T. 0.071 min
Lab File: BP025389.D
Acq: 13 Aug 2025 18:13

Tgt Ion:276 Resp: 2693148

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	22.4	19.1	28.7



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	130958	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	551384	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	392376	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	816331	20.000	ng		0.00
76) Chrysene-d12	21.654	240	858165	20.000	ng		0.00
86) Perylene-d12	25.036	264	963881	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	80645	10.227	ng		0.00
7) Phenol-d6	6.966	99	97106	9.605	ng		0.00
23) Nitrobenzene-d5	8.931	82	108814	9.983	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	52188	9.881	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	305742	10.649	ng		0.00
79) Terphenyl-d14	19.925	244	536049	11.428	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	17016	5.509	ng		95
3) Pyridine	3.731	79	47347	5.600	ng		95
4) n-Nitrosodimethylamine	3.637	42	17697	5.077	ng	#	93
6) Aniline	7.119	93	68694	5.043	ng		100
8) 2-Chlorophenol	7.366	128	44217	4.969	ng		98
9) Benzaldehyde	6.943	77	35338	4.989	ng		99
10) Phenol	6.990	94	52186	4.919	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	41995	5.079	ng		98
12) 1,3-Dichlorobenzene	7.684	146	50146	5.111	ng		96
13) 1,4-Dichlorobenzene	7.825	146	51948	5.180	ng		97
14) 1,2-Dichlorobenzene	8.143	146	50995	5.253	ng		96
15) Benzyl Alcohol	8.025	79	37874	4.715	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	57686	5.208	ng		98
17) 2-Methylphenol	8.225	107	35186	4.776	ng		96
18) Hexachloroethane	8.866	117	18905	5.127	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	34898	5.205	ng		95
20) 3+4-Methylphenols	8.549	107	48056	4.705	ng		97
22) Acetophenone	8.602	105	70986	5.134	ng	#	96
24) Nitrobenzene	8.972	77	48234	4.951	ng		99
25) Isophorone	9.496	82	101112	5.242	ng		98
26) 2-Nitrophenol	9.678	139	23020	4.605	ng		95
27) 2,4-Dimethylphenol	9.737	122	41790	4.861	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	61017	5.233	ng		98
29) 2,4-Dichlorophenol	10.213	162	40336	4.723	ng		94
30) 1,2,4-Trichlorobenzene	10.425	180	49237	5.259	ng		97
31) Naphthalene	10.613	128	147346	5.141	ng		99
32) Benzoic acid	9.807	122	17656	2.788	ng		84
33) 4-Chloroaniline	10.713	127	62452	4.933	ng		96
34) Hexachlorobutadiene	10.902	225	30559	5.241	ng		95
35) Caprolactam	11.466	113	16890	5.393	ng	#	84
36) 4-Chloro-3-methylphenol	11.837	107	50515	5.154	ng		91
37) 2-Methylnaphthalene	12.219	142	98648	5.289	ng		97
38) 1-Methylnaphthalene	12.437	142	107044	5.397	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	56676	5.001	ng		100
41) Hexachlorocyclopentadiene	12.572	237	25243	3.688	ng		97
43) 2,4,6-Trichlorophenol	12.831	196	36093	4.718	ng		95

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	40875	4.875	ng		95
46) 1,1'-Biphenyl	13.237	154	146651	5.146	ng		98
47) 2-Chloronaphthalene	13.272	162	113015	5.094	ng		99
48) 2-Nitroaniline	13.466	65	29527	4.568	ng		98
49) Acenaphthylene	14.125	152	187026	5.095	ng		99
50) Dimethylphthalate	13.860	163	153868	5.355	ng		99
51) 2,6-Dinitrotoluene	13.966	165	29088	4.803	ng		94
52) Acenaphthene	14.472	154	117653	5.460	ng		97
53) 3-Nitroaniline	14.301	138	31224	4.583	ng		85
54) 2,4-Dinitrophenol	14.513	184	10441	3.228	ng	#	87
55) Dibenzofuran	14.813	168	178494	5.240	ng		99
56) 4-Nitrophenol	14.625	139	24517	4.379	ng		96
57) 2,4-Dinitrotoluene	14.760	165	39658	4.590	ng		94
58) Fluorene	15.472	166	147760	5.497	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.037	232	36779	4.968	ng		99
60) Diethylphthalate	15.237	149	158426	5.426	ng		99
61) 4-Chlorophenyl-phenyle...	15.466	204	74636	5.583	ng		99
62) 4-Nitroaniline	15.478	138	33466	4.791	ng		90
63) Azobenzene	15.760	77	128978	5.159	ng		99
65) 4,6-Dinitro-2-methylph...	15.543	198	19069	3.747	ng		92
66) n-Nitrosodiphenylamine	15.678	169	129805	5.214	ng		97
67) 4-Bromophenyl-phenylether	16.378	248	47579	5.299	ng		98
68) Hexachlorobenzene	16.501	284	53940	5.183	ng		98
69) Atrazine	16.648	200	46750	5.015	ng		96
70) Pentachlorophenol	16.854	266	29650	4.513	ng		96
71) Phenanthrene	17.248	178	237107	5.287	ng		98
72) Anthracene	17.342	178	236938	5.174	ng		99
73) Carbazole	17.619	167	220112	5.103	ng		98
74) Di-n-butylphthalate	18.231	149	274467	5.172	ng		99
75) Fluoranthene	19.336	202	279497	5.225	ng		99
77) Benzidine	19.525	184	123915	4.231	ng		99
78) Pyrene	19.713	202	299922	5.377	ng		98
80) Butylbenzylphthalate	20.654	149	126321	4.997	ng		99
81) Benzo(a)anthracene	21.636	228	296847	5.245	ng		100
82) 3,3'-Dichlorobenzidine	21.548	252	106858	5.009	ng		99
83) Chrysene	21.701	228	277175	5.229	ng		99
84) Bis(2-ethylhexyl)phtha...	21.583	149	194541	5.228	ng		97
85) Di-n-octyl phthalate	22.877	149	313503	4.898	ng		99
87) Indeno(1,2,3-cd)pyrene	28.865	276	350414	4.956	ng		98
88) Benzo(b)fluoranthene	23.960	252	289797	5.099	ng		99
89) Benzo(k)fluoranthene	24.042	252	289556	5.091	ng		98
90) Benzo(a)pyrene	24.877	252	274440	4.960	ng		99
91) Dibenzo(a,h)anthracene	28.942	278	284440	4.924	ng		100
92) Benzo(g,h,i)perylene	30.036	276	279987	4.931	ng		97

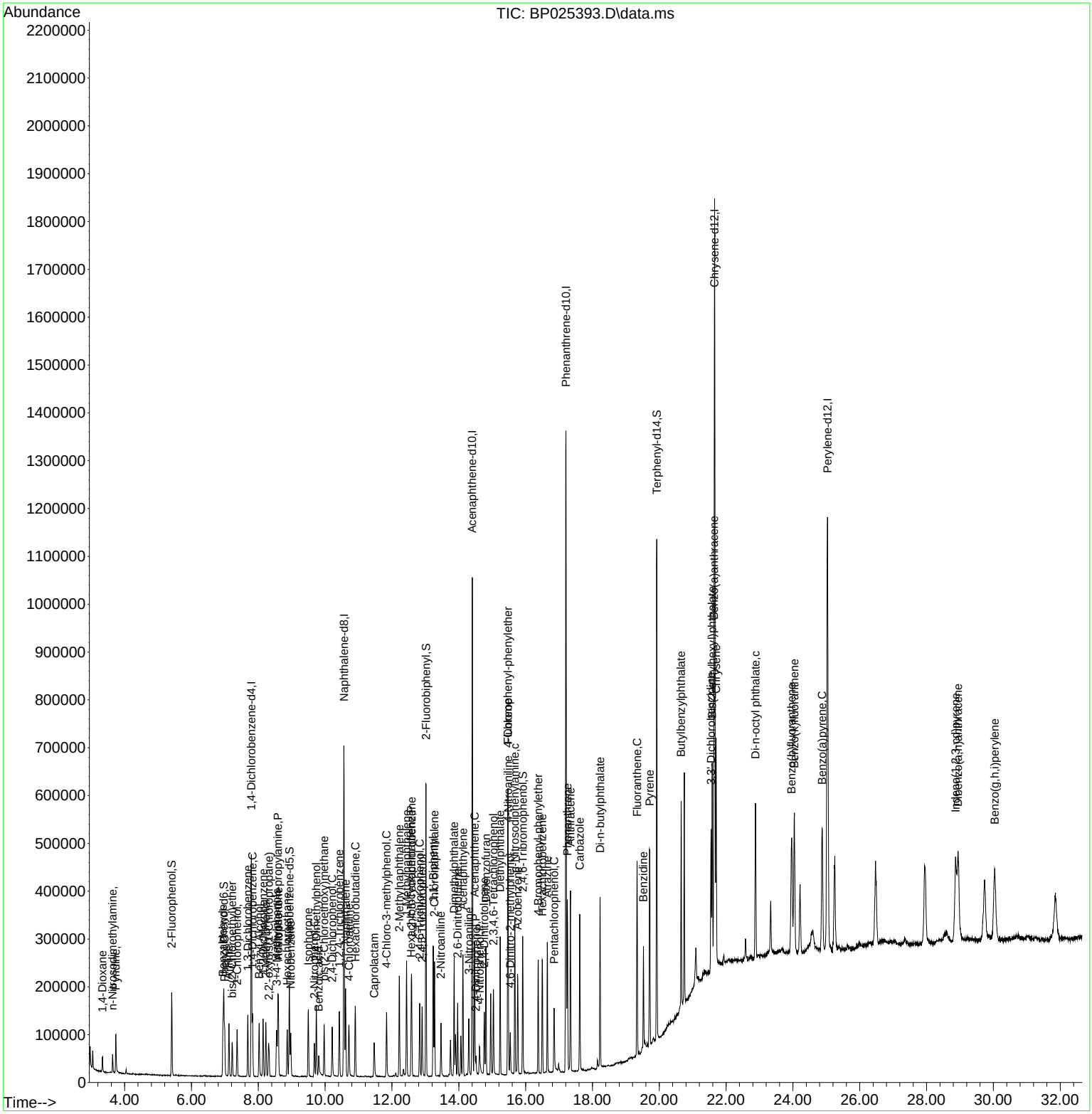
(#) = qualifier out of range (m) = manual integration (+) = signals summed

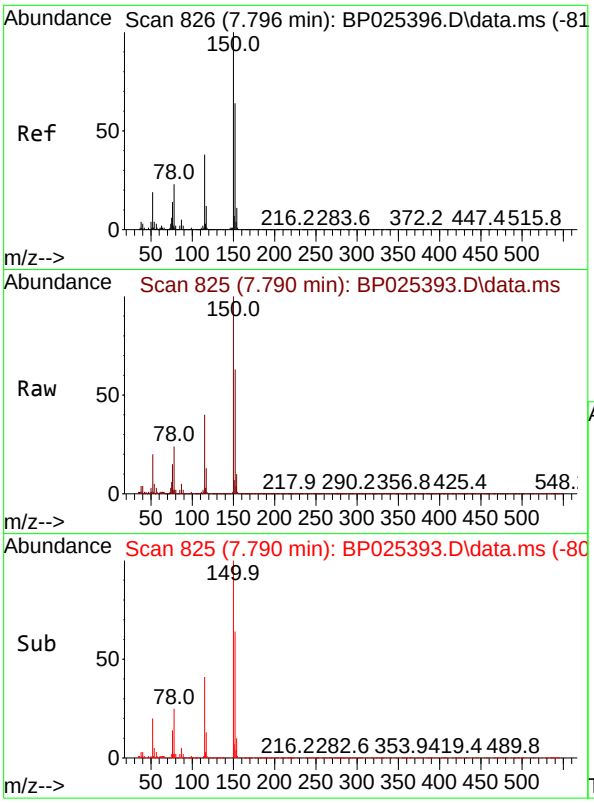
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025393.D
Acq On : 14 Aug 2025 13:15
Operator : CG/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Aug 14 17:52:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



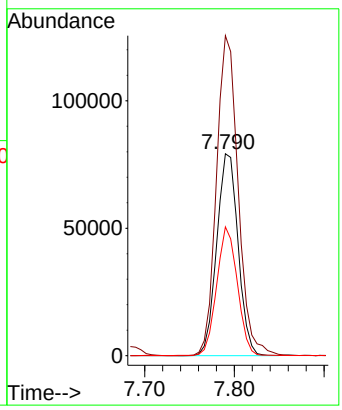


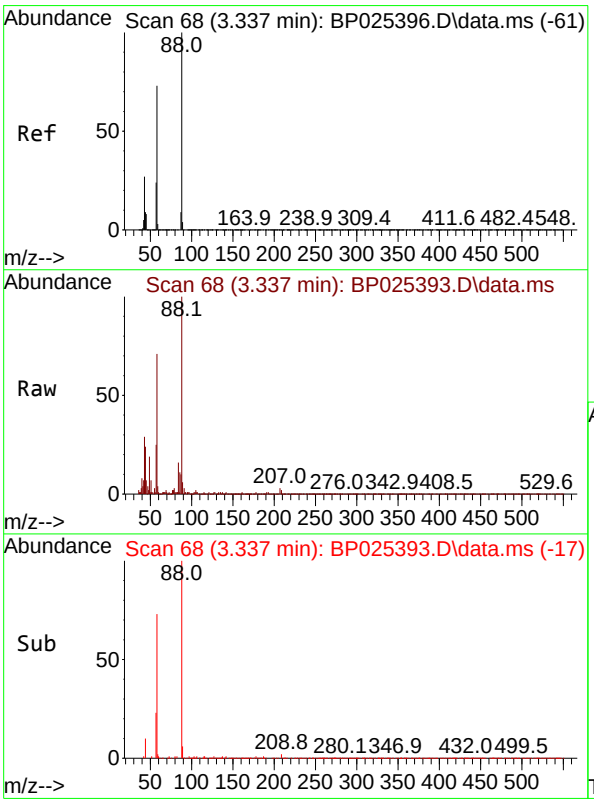
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 130958

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	63.8	48.5	72.7

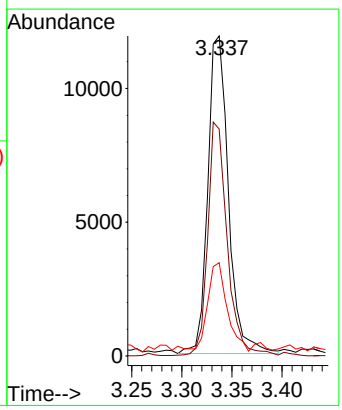


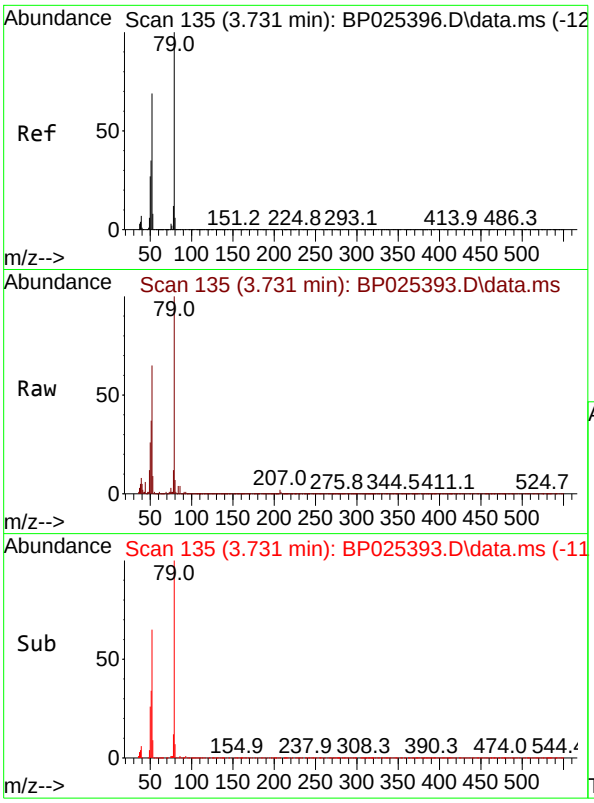


#2
1,4-Dioxane
Concen: 5.509 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 88 Resp: 17016

Ion	Ratio	Lower	Upper
88	100		
58	69.1	59.2	88.8
43	26.1	21.7	32.5



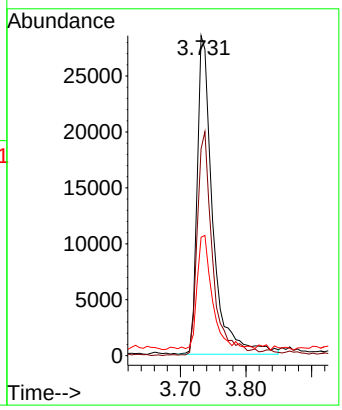


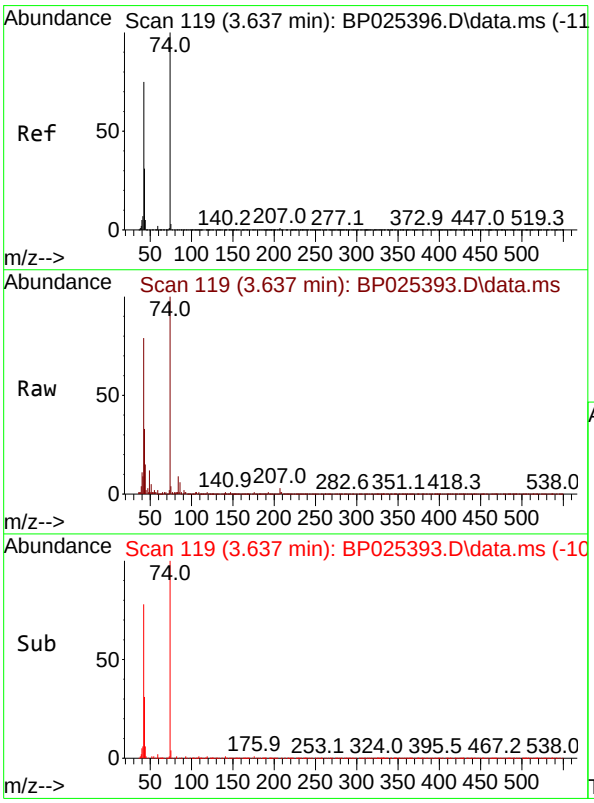
#3
Pyridine
Concen: 5.600 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47347

Ion	Ratio	Lower	Upper
79	100		
52	64.7	55.5	83.3
51	37.0	28.3	42.5

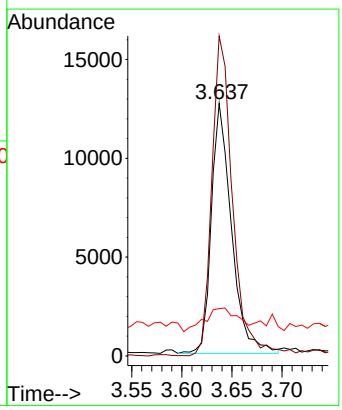


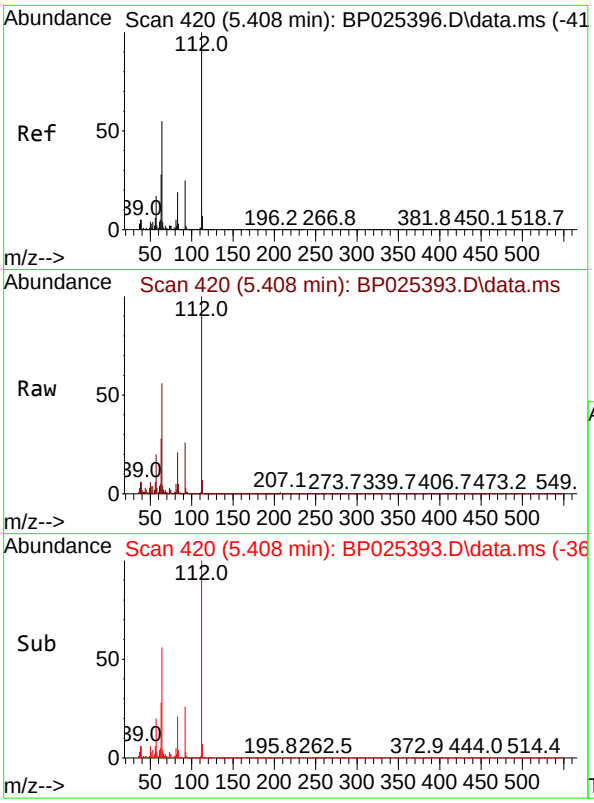


#4
n-Nitrosodimethylamine
Concen: 5.077 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 42 Resp: 17697

Ion	Ratio	Lower	Upper
42	100		
74	126.7	107.0	160.4
44	18.7	6.2	9.4#



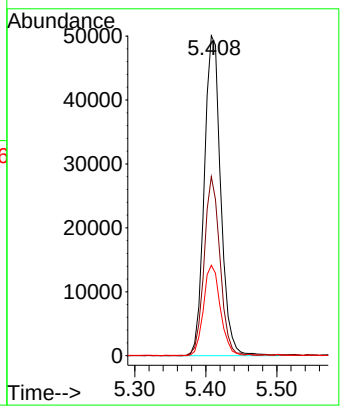


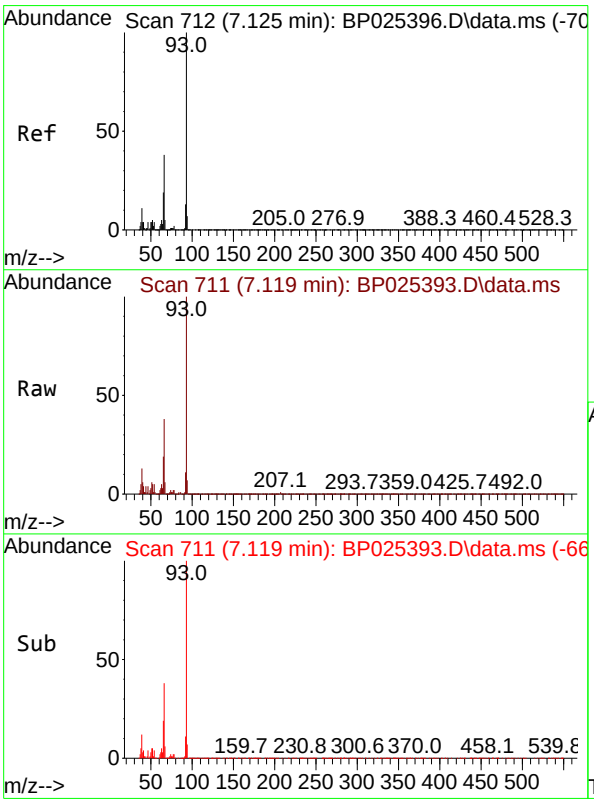
#5
2-Fluorophenol
Concen: 10.227 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 80645

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	28.3	22.7	34.1

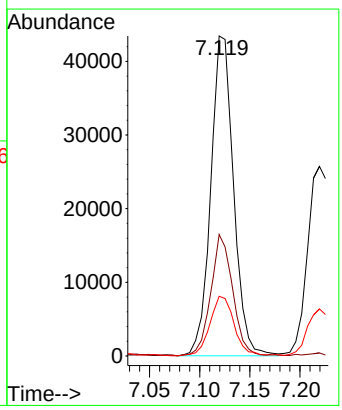


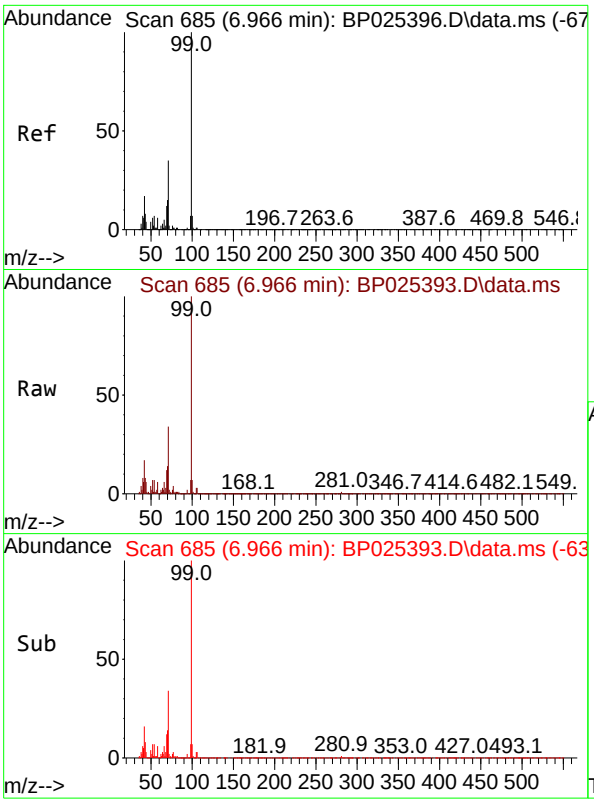


#6
Aniline
Concen: 5.043 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 68694

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.6	15.3	22.9



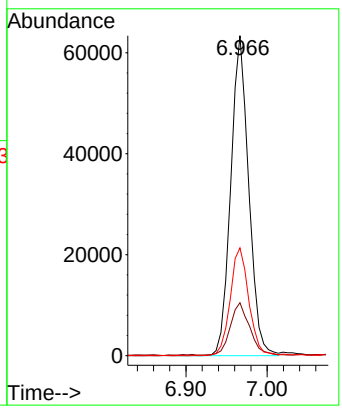


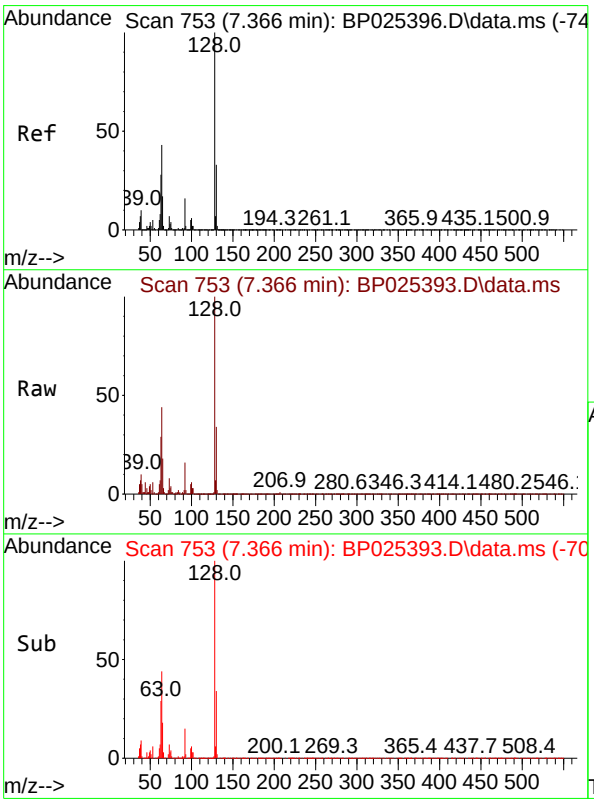
#7
Phenol-d6
Concen: 9.605 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 97106

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	33.7	28.2	42.4

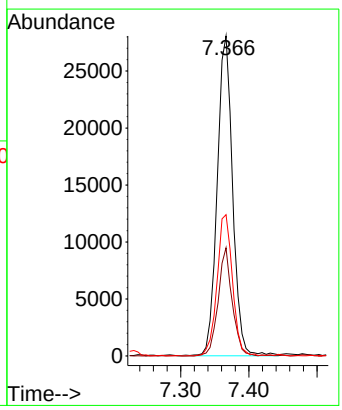


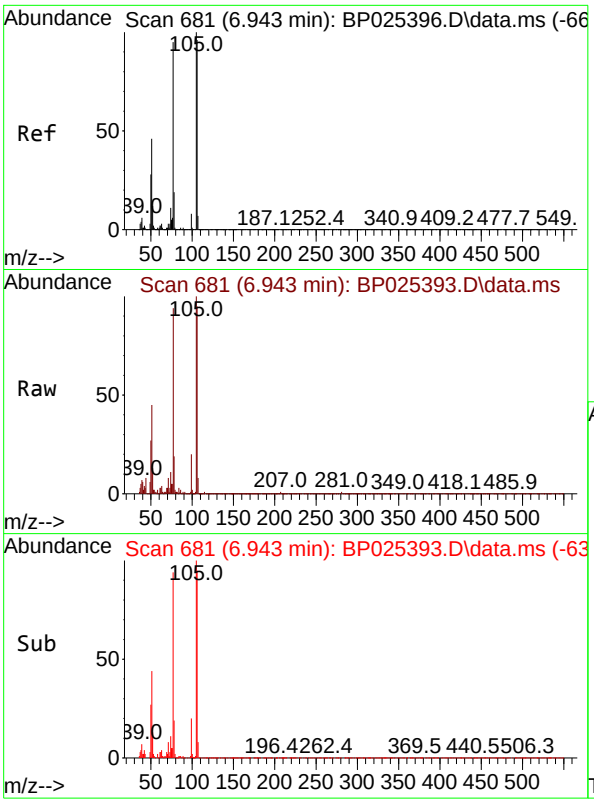


#8
2-Chlorophenol
Concen: 4.969 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:128 Resp: 44217

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	44.1	23.4	63.4



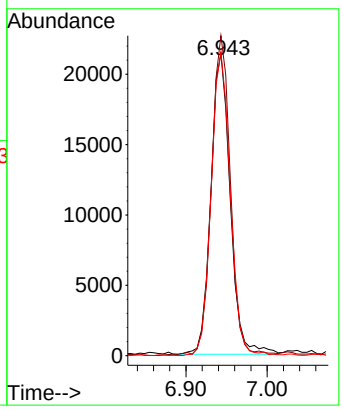


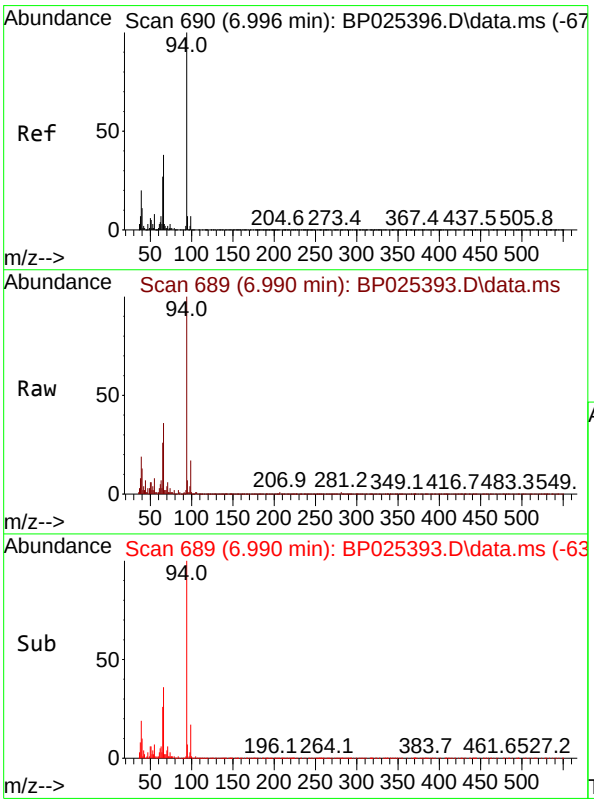
#9
Benzaldehyde
Concen: 4.989 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 35338

Ion	Ratio	Lower	Upper
77	100		
105	105.9	84.8	124.8
106	100.5	80.5	120.5

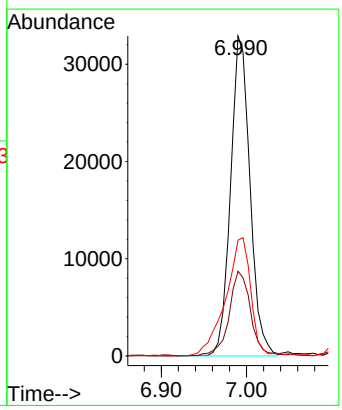


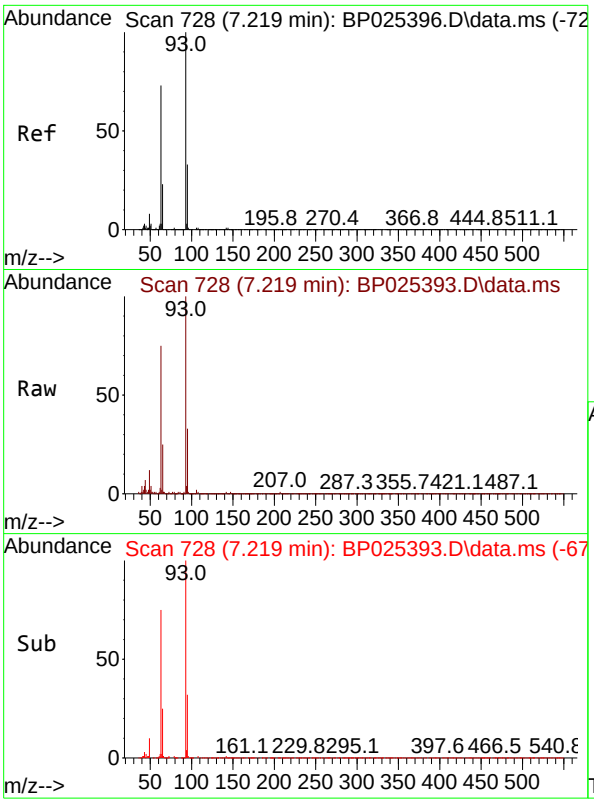


#10
Phenol
Concen: 4.919 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 94 Resp: 52186

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.8	46.8
66	36.2	18.2	58.2



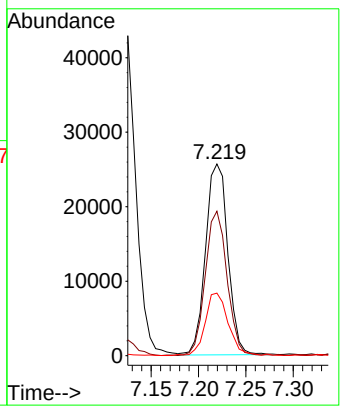


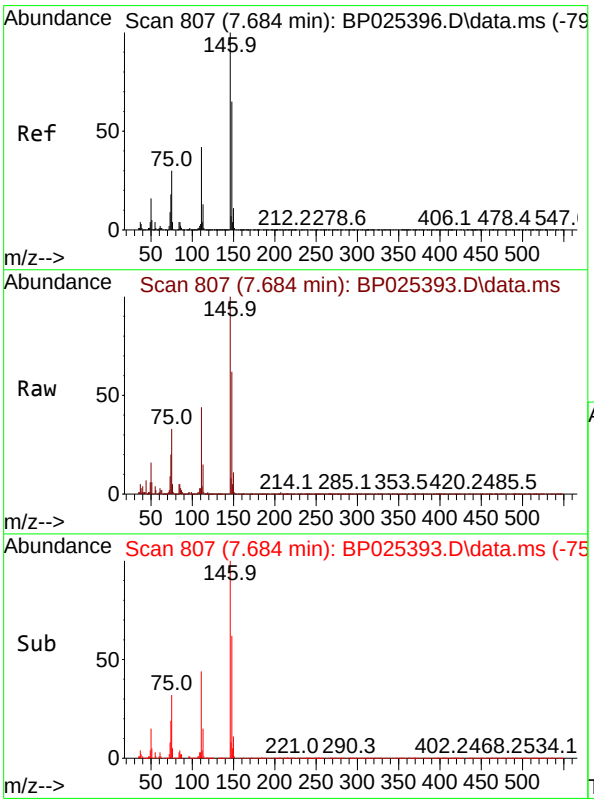
#11
bis(2-Chloroethyl)ether
Concen: 5.079 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 41995

Ion	Ratio	Lower	Upper
93	100		
63	75.4	52.6	92.6
95	32.6	12.7	52.7

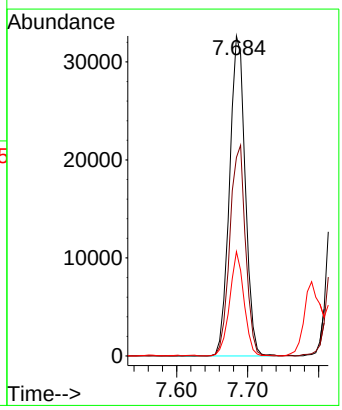


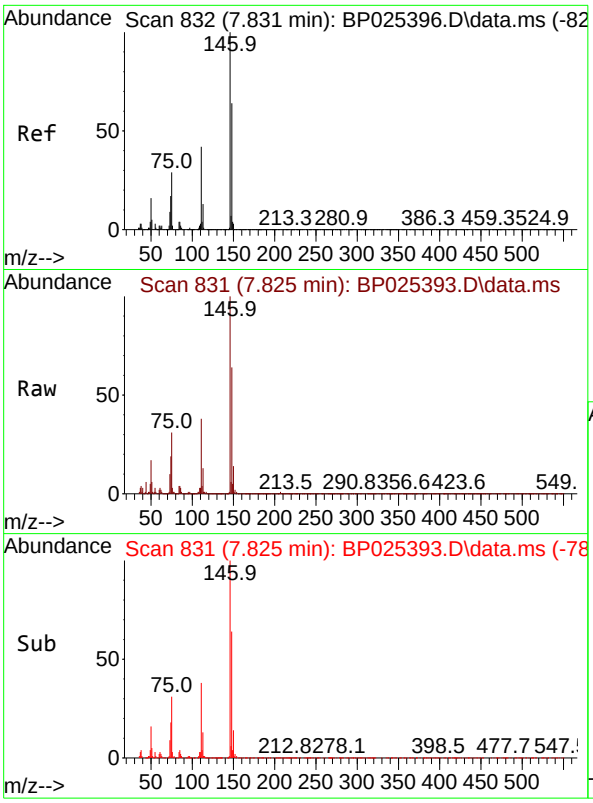


#12
1,3-Dichlorobenzene
Concen: 5.111 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50146

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.6	23.7	35.5



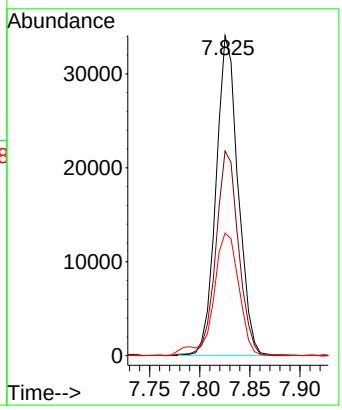


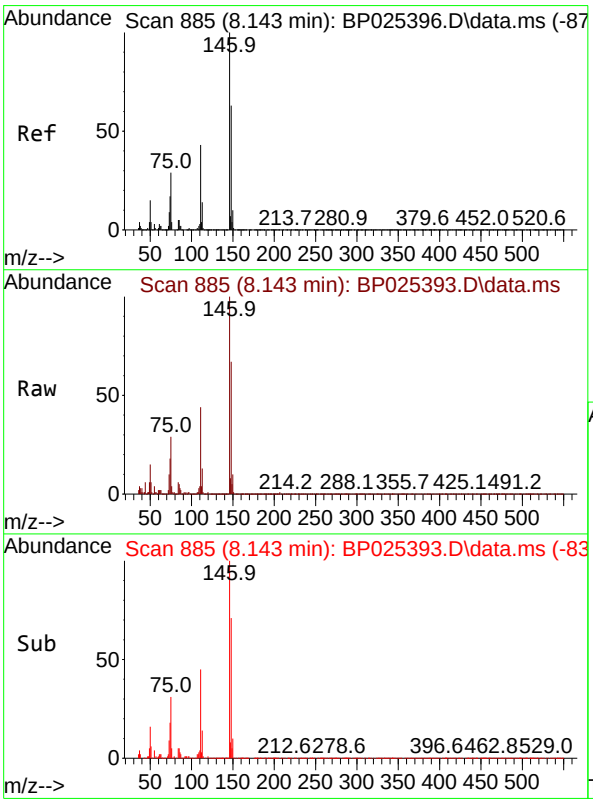
#13
1,4-Dichlorobenzene
Concen: 5.180 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 51948

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
111	38.3	33.4	50.0

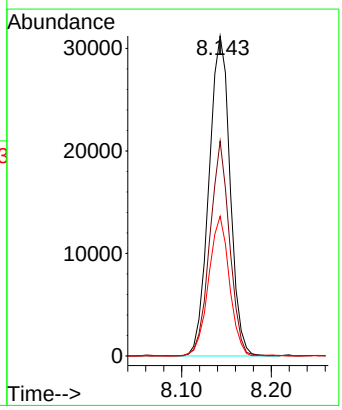


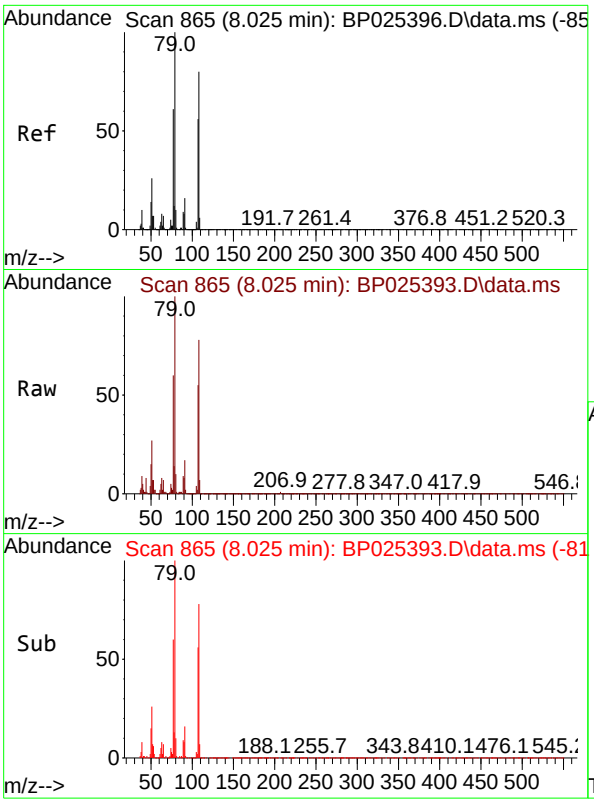


#14
1,2-Dichlorobenzene
Concen: 5.253 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:146 Resp: 50995

Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.4	75.6
111	43.7	34.5	51.7



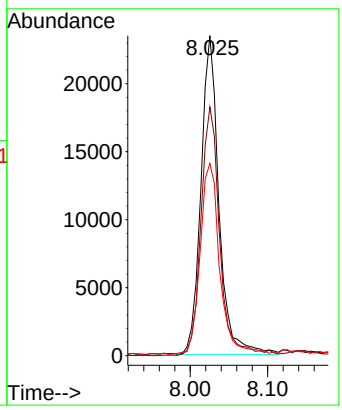


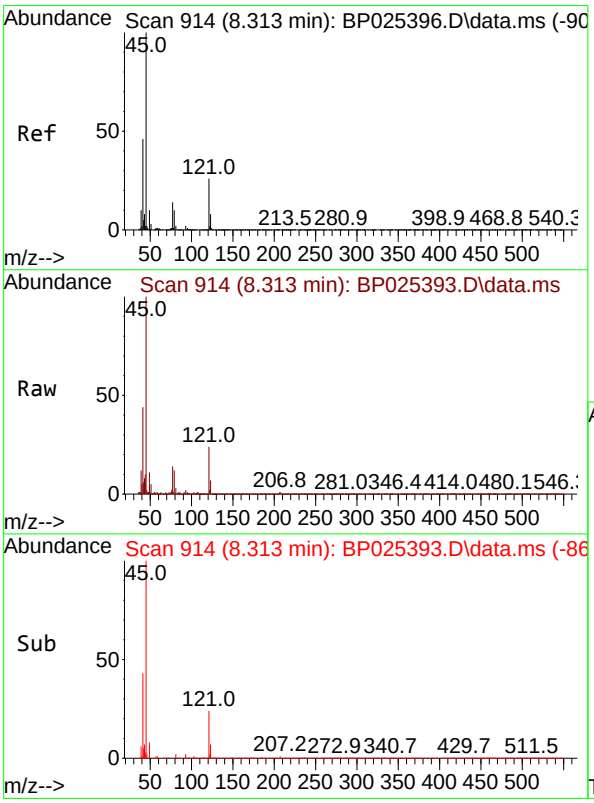
#15
Benzyl Alcohol
Concen: 4.715 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 37874

Ion	Ratio	Lower	Upper
79	100		
108	77.7	63.8	95.6
77	60.1	49.0	73.4

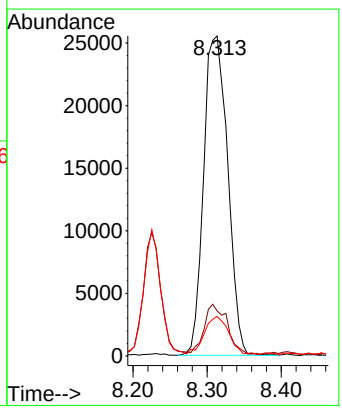


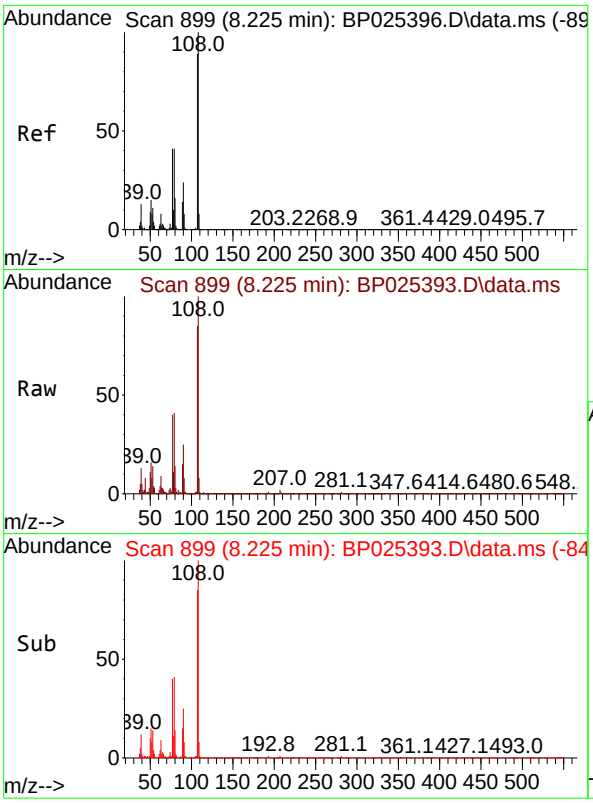


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.208 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 45 Resp: 57686

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	35.3
79	12.4	0.0	31.8



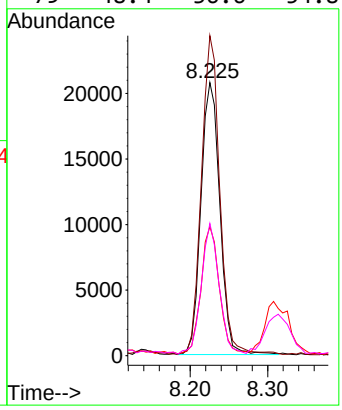


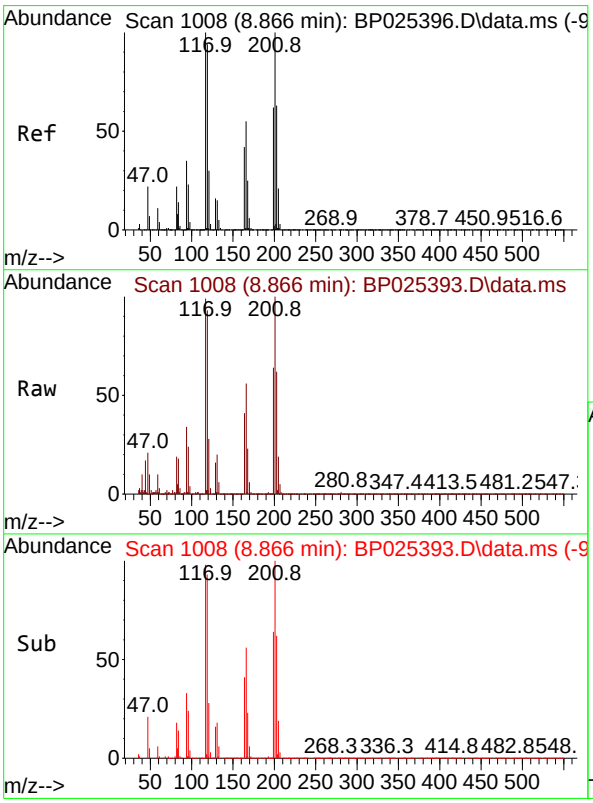
#17
2-Methylphenol
Concen: 4.776 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 35186

Ion	Ratio	Lower	Upper
107	100		
108	117.2	89.4	134.0
77	47.2	36.3	54.5
79	48.4	36.6	54.8

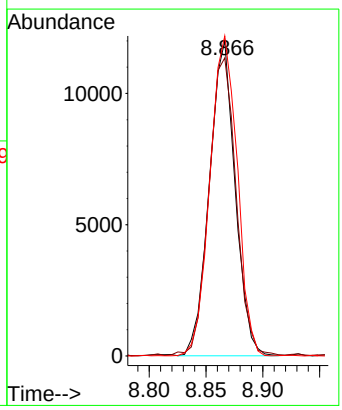


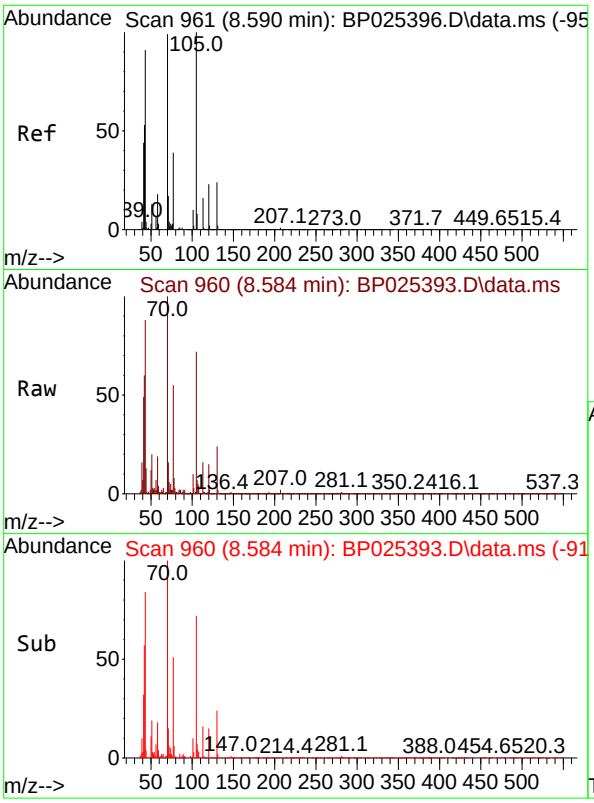


#18
Hexachloroethane
Concen: 5.127 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:117 Resp: 18905

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	101.5	80.1	120.1



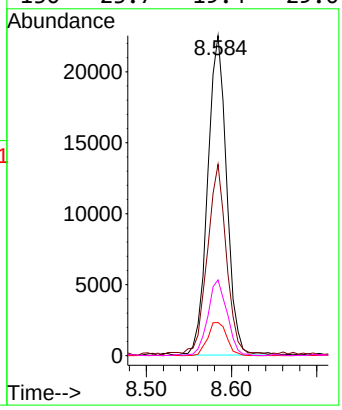


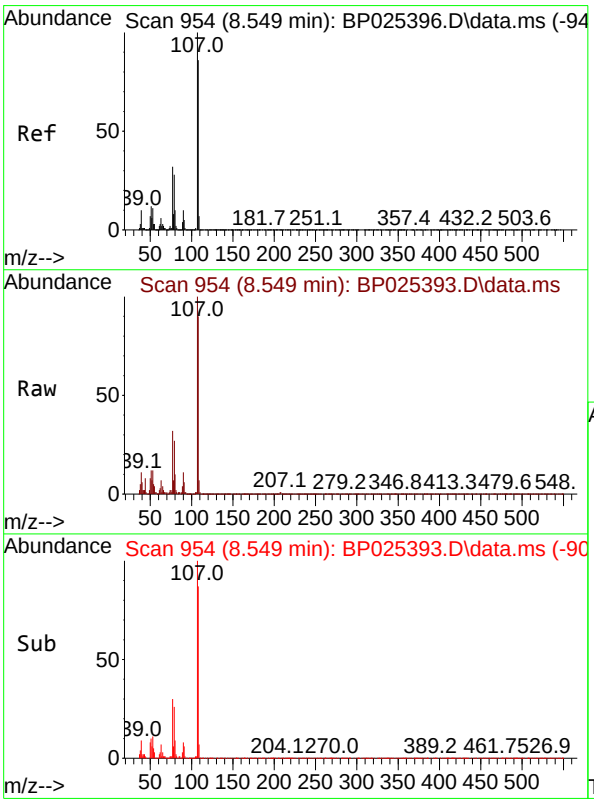
#19
n-Nitroso-di-n-propylamine
Concen: 5.205 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 34898

Ion	Ratio	Lower	Upper
70	100		
42	59.8	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0

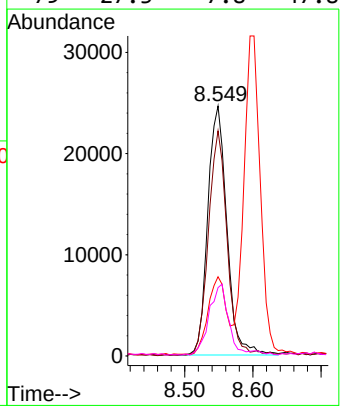


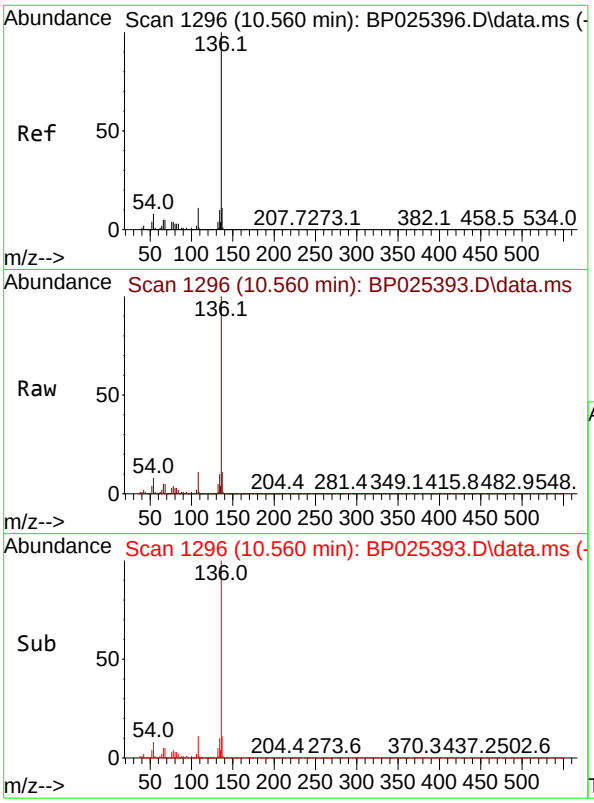


#20
3+4-Methylphenols
Concen: 4.705 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 48056

Ion	Ratio	Lower	Upper
107	100		
108	90.0	66.3	106.3
77	31.7	12.3	52.3
79	27.3	7.8	47.8



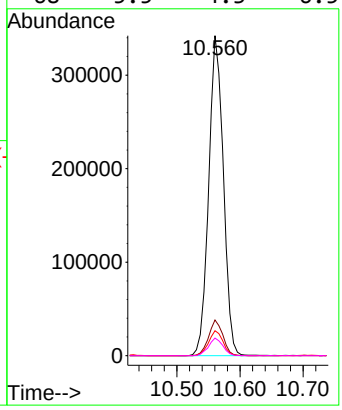


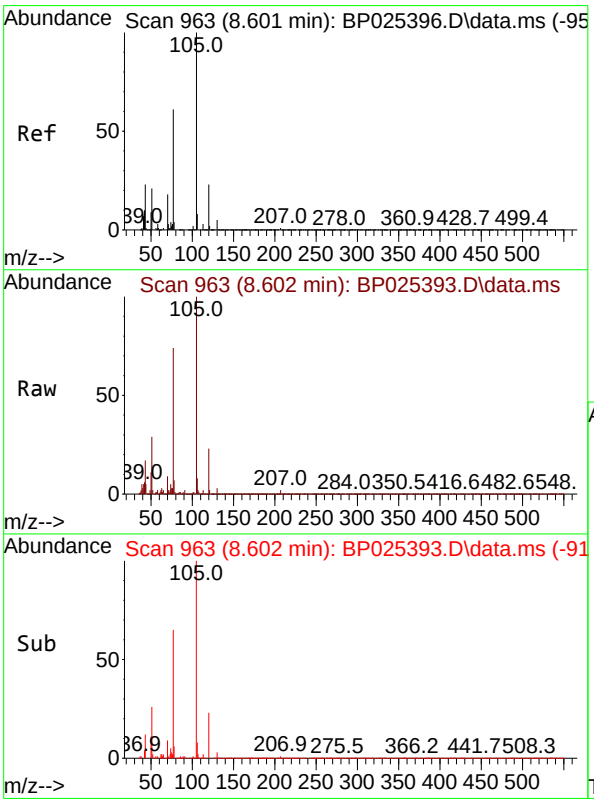
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 551384

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5

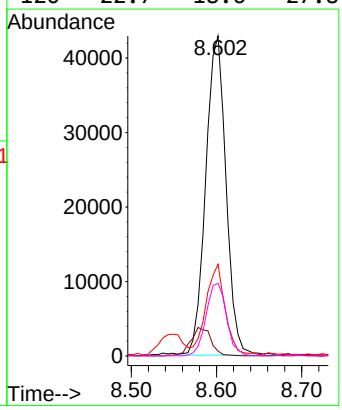


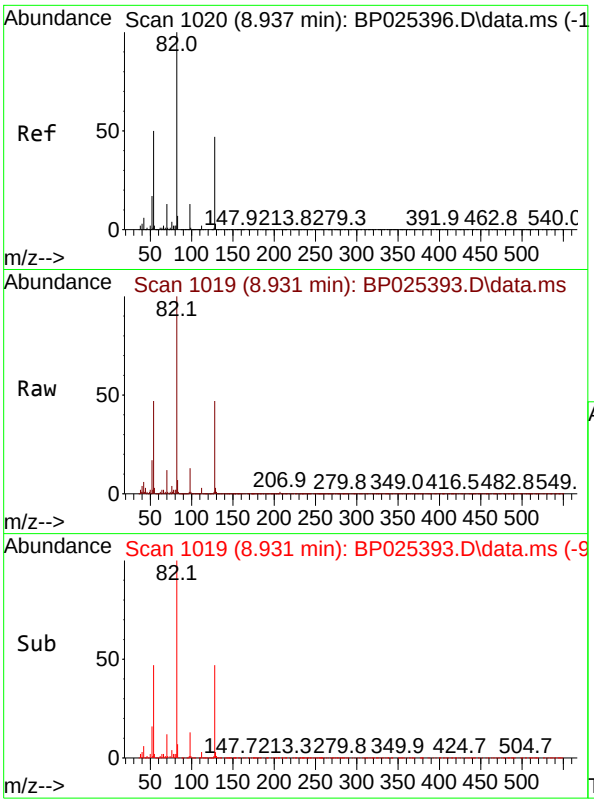


#22
Acetophenone
Concen: 5.134 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:105 Resp: 70986

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	28.7	20.6	30.8
120	22.7	18.6	27.8



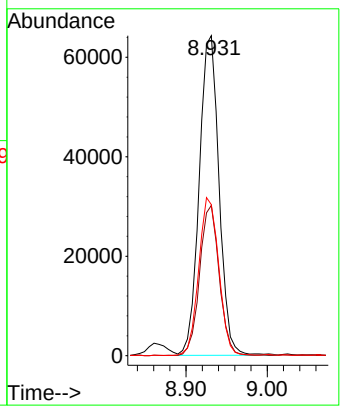


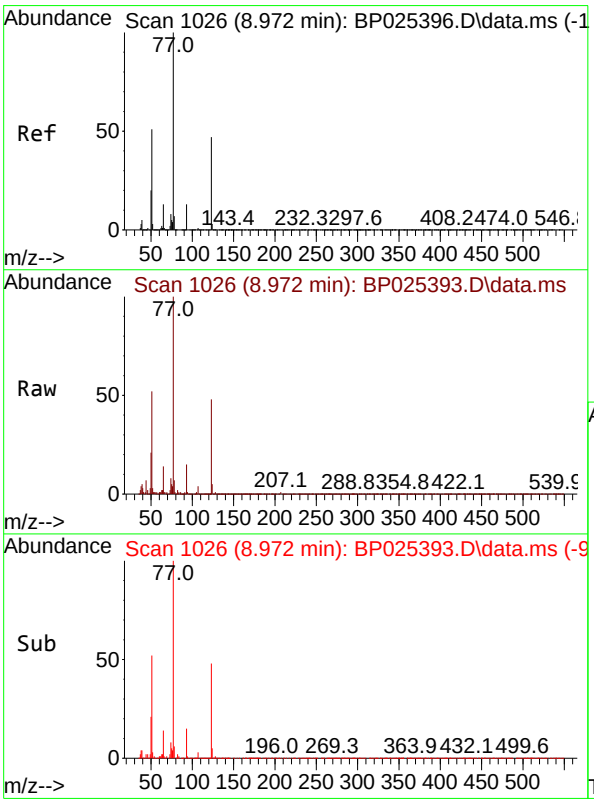
#23
Nitrobenzene-d5
Concen: 9.983 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 108814

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	47.2	39.8	59.6

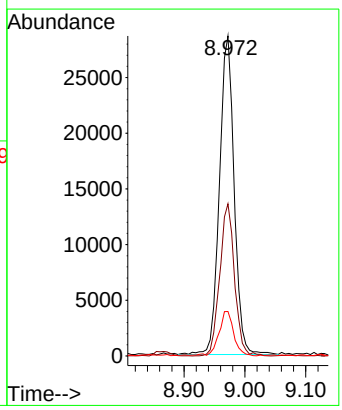


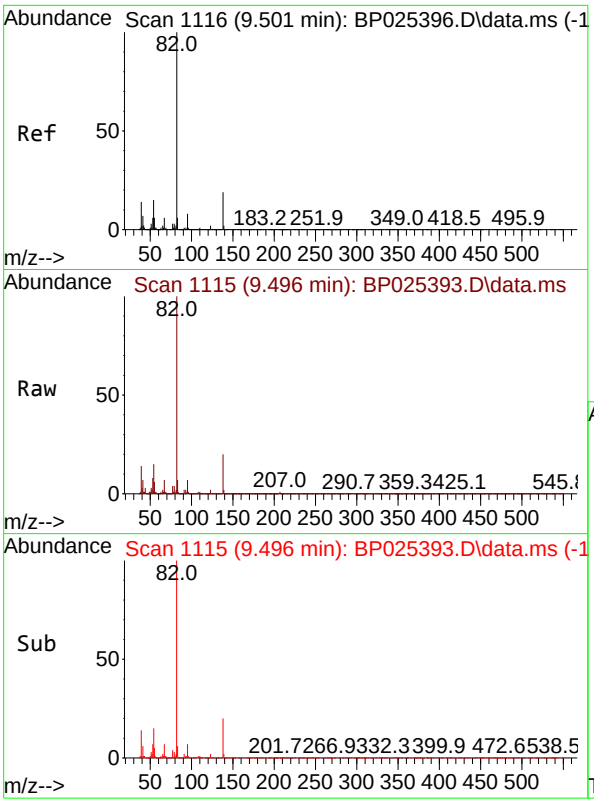


#24
Nitrobenzene
Concen: 4.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 77 Resp: 48234

Ion	Ratio	Lower	Upper
77	100		
123	47.6	38.6	58.0
65	13.9	10.6	15.8



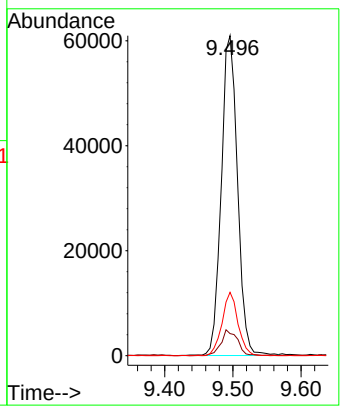


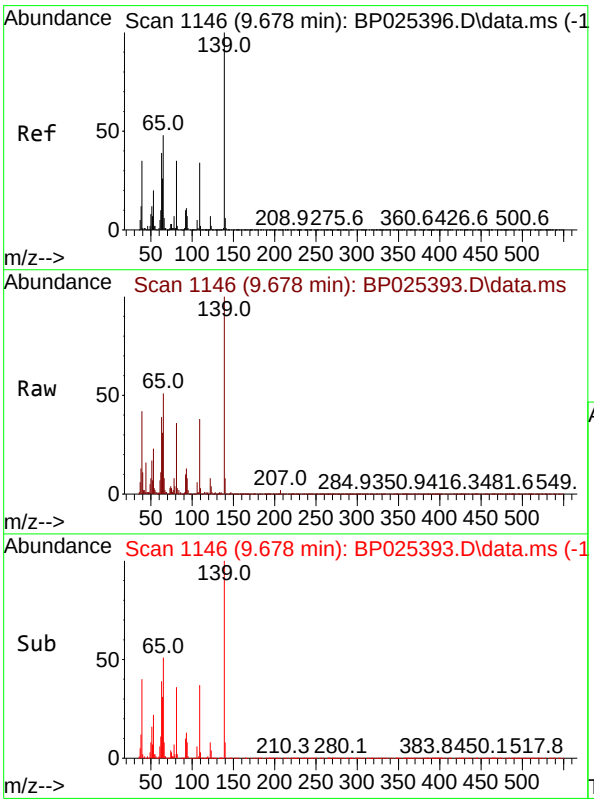
#25
Isophorone
Concen: 5.242 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 101112

Ion	Ratio	Lower	Upper
82	100		
95	6.9	6.4	9.6
138	19.8	15.4	23.0

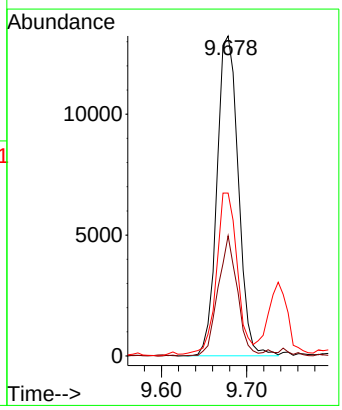


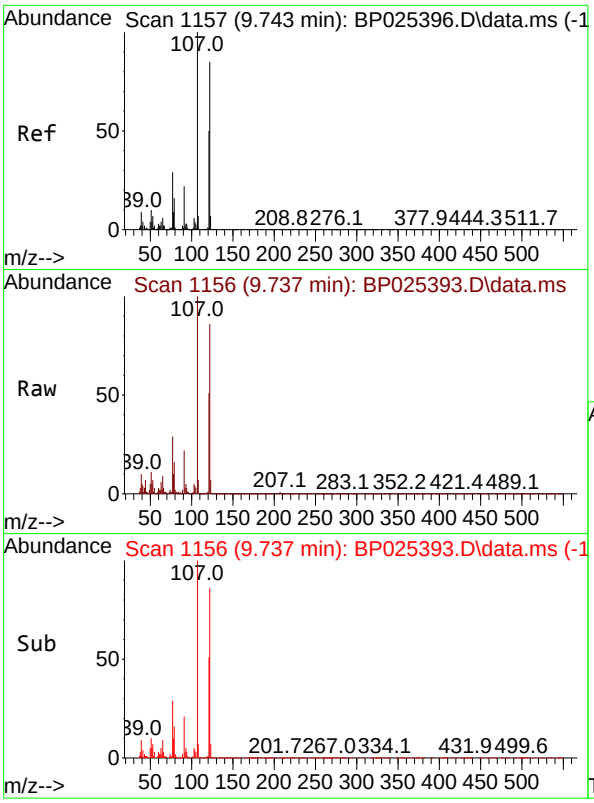


#26
2-Nitrophenol
Concen: 4.605 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 23020

Ion	Ratio	Lower	Upper
139	100		
109	37.5	26.9	40.3
65	50.9	38.3	57.5



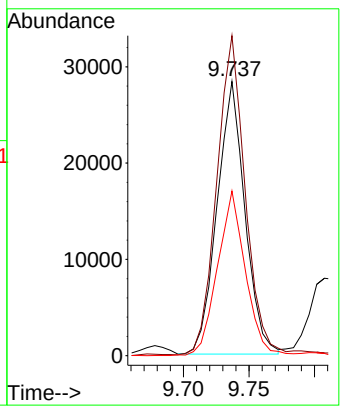


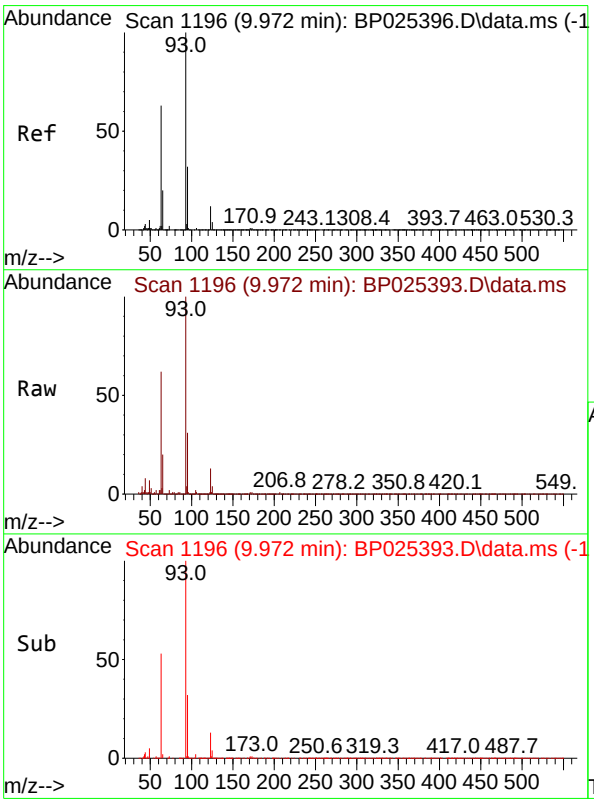
#27
2,4-Dimethylphenol
Concen: 4.861 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 41790

Ion	Ratio	Lower	Upper
122	100		
107	116.7	93.7	140.5
121	60.0	46.6	69.8

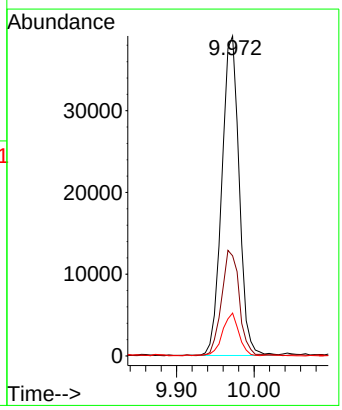


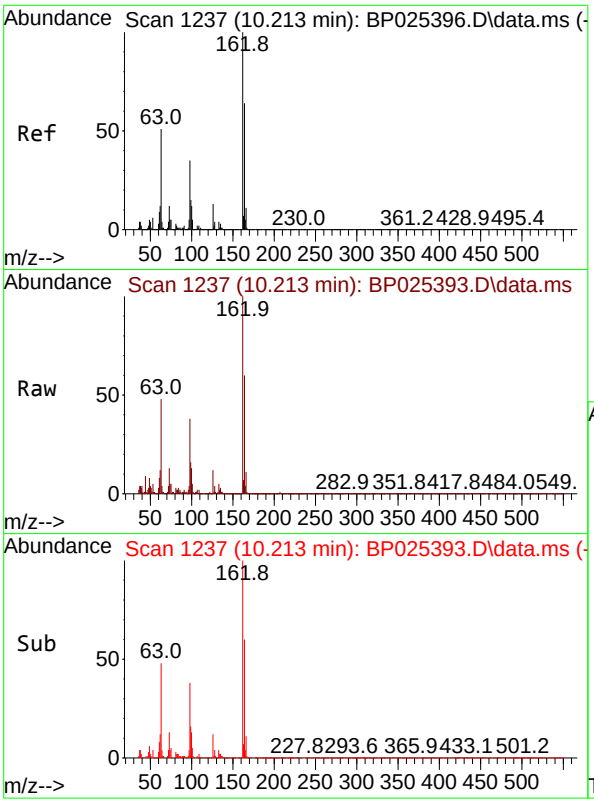


#28
bis(2-Chloroethoxy)methane
Concen: 5.233 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 93 Resp: 61017

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.4	38.0
123	13.4	9.4	14.0



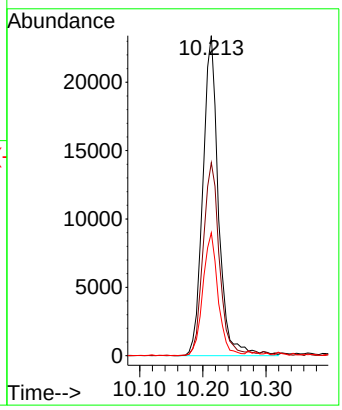


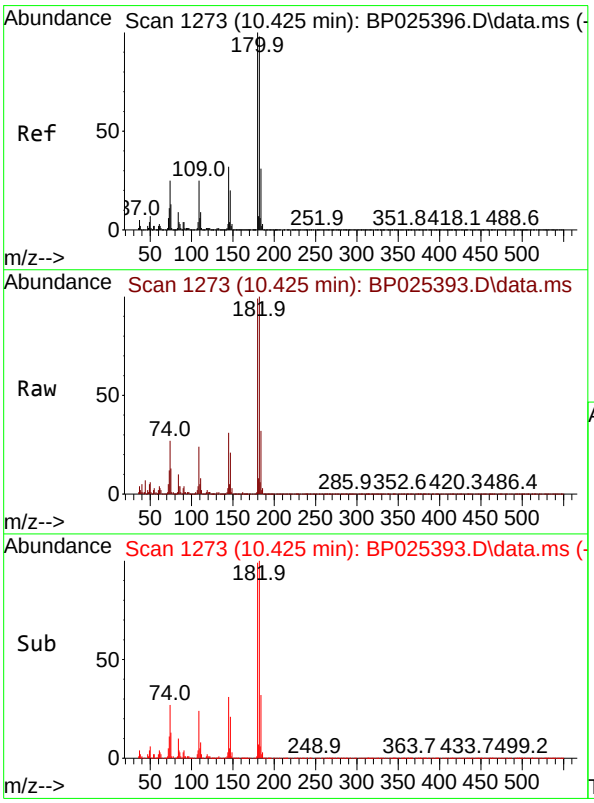
#29
2,4-Dichlorophenol
Concen: 4.723 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 40336

Ion	Ratio	Lower	Upper
162	100		
164	60.3	44.4	84.4
98	38.4	14.9	54.9

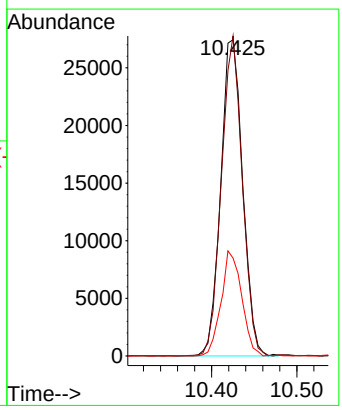


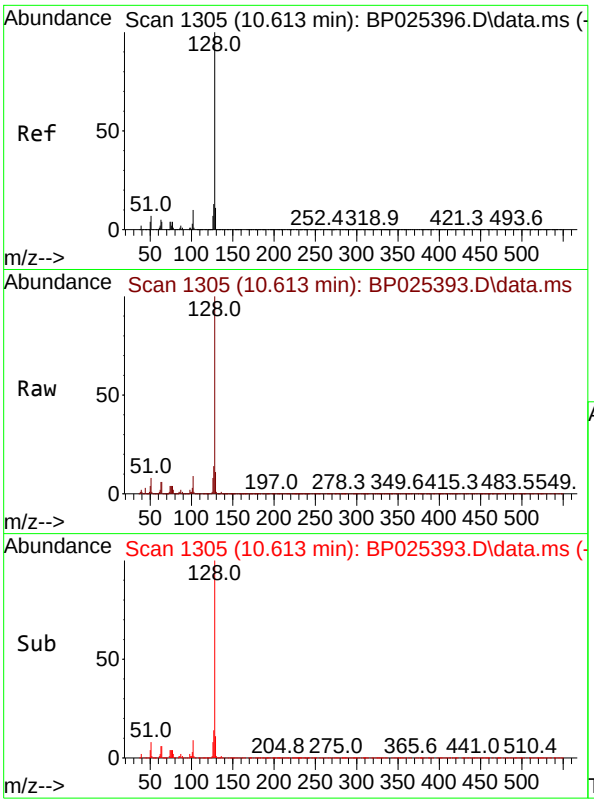


#30
1,2,4-Trichlorobenzene
Concen: 5.259 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:180 Resp: 49237

Ion	Ratio	Lower	Upper
180	100		
182	101.2	78.0	117.0
145	30.9	25.9	38.9



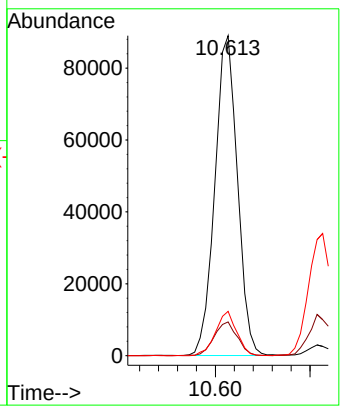


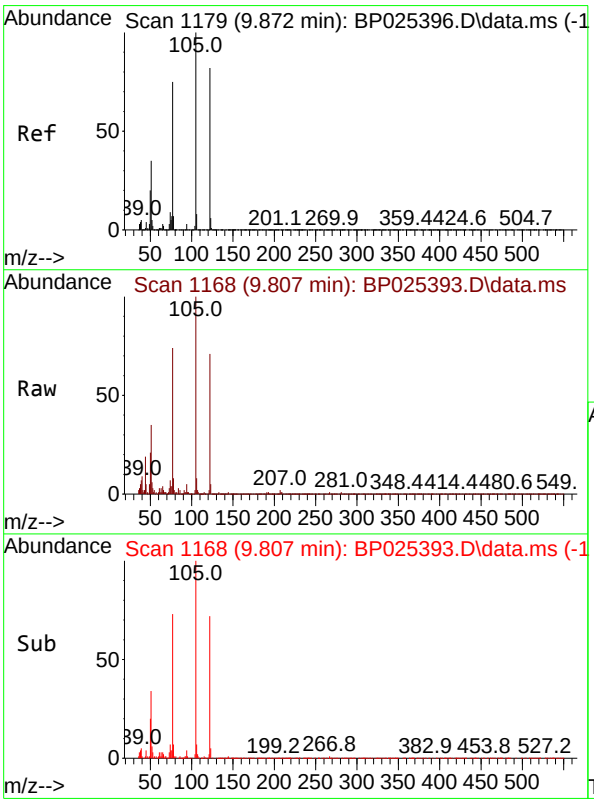
#31
Naphthalene
Concen: 5.141 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 147346

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.9	10.7	16.1

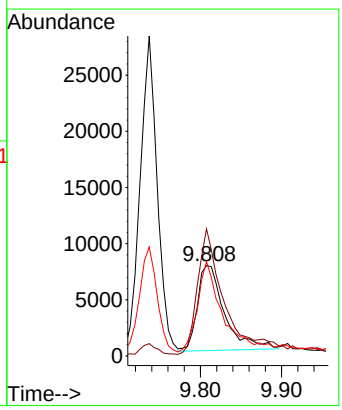


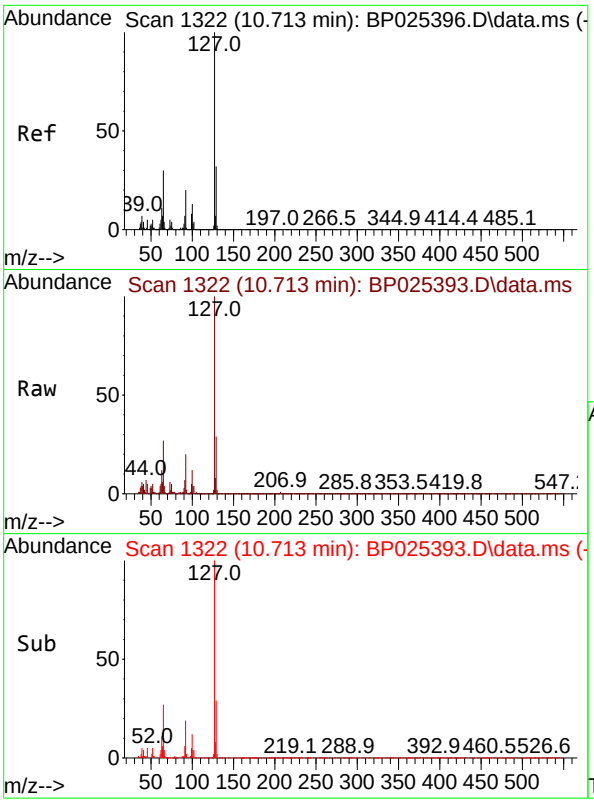


#32
Benzoic acid
Concen: 2.788 ng
RT: 9.807 min Scan# 1168
Delta R.T. -0.065 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:122 Resp: 17656

Ion	Ratio	Lower	Upper
122	100		
105	140.5	100.6	140.6
77	104.3	71.5	111.5



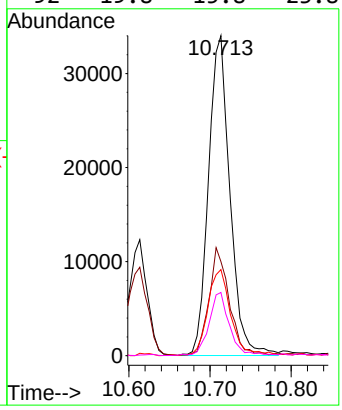


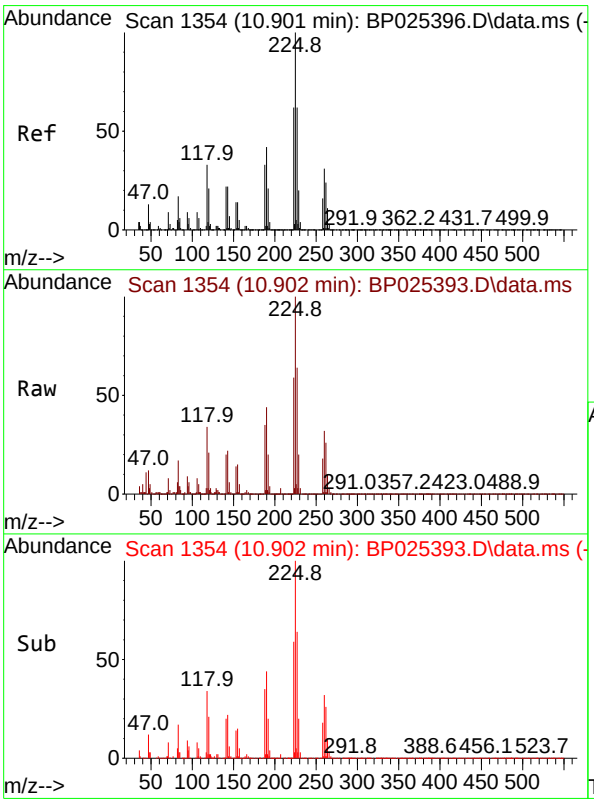
#33
4-Chloroaniline
Concen: 4.933 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 62452

Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.4	38.2
65	26.9	23.8	35.6
92	19.8	15.8	23.8

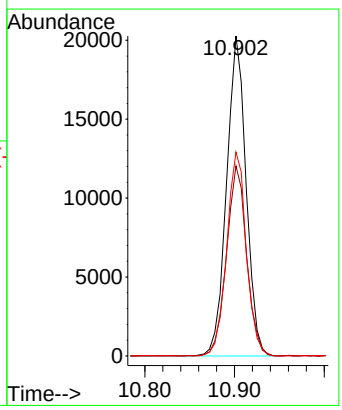


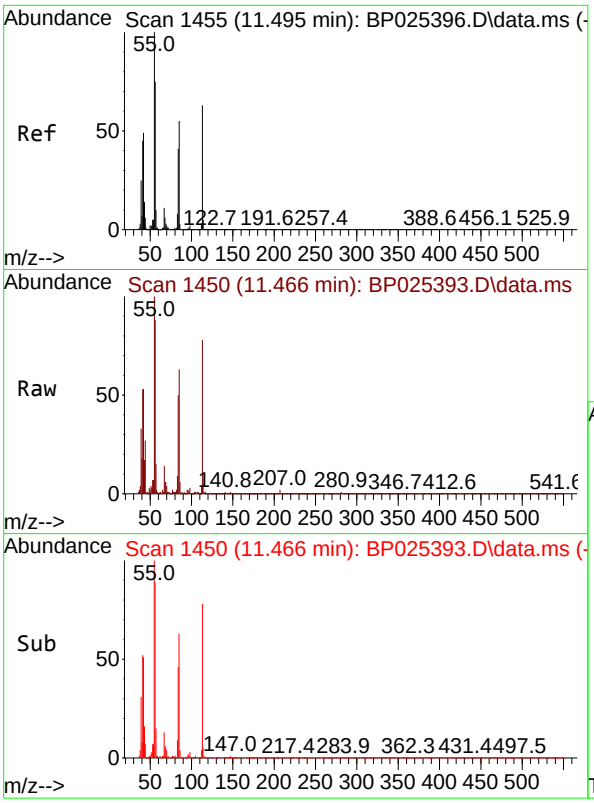


#34
Hexachlorobutadiene
Concen: 5.241 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:225 Resp: 30559

Ion	Ratio	Lower	Upper
225	100		
223	59.4	50.0	75.0
227	66.3	49.7	74.5



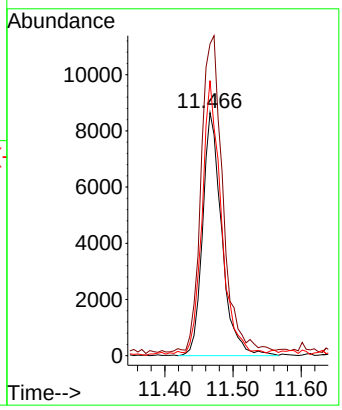


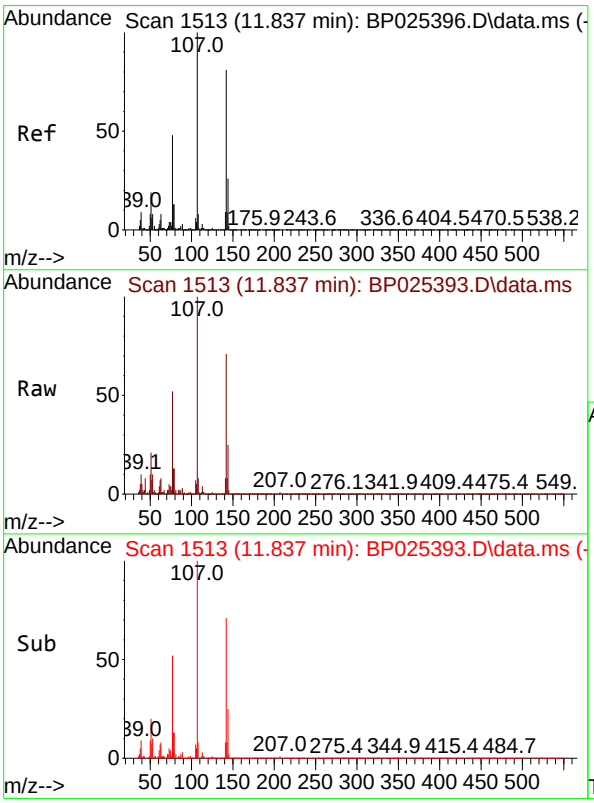
#35
Caprolactam
Concen: 5.393 ng
RT: 11.466 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 16890

Ion	Ratio	Lower	Upper
113	100		
55	128.3	140.0	180.0#
56	113.2	100.0	140.0

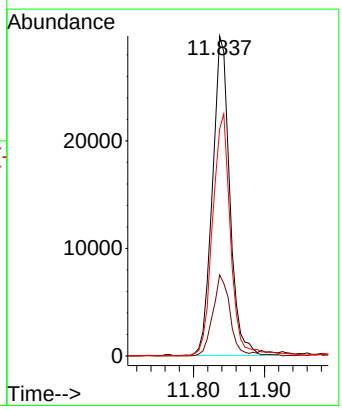


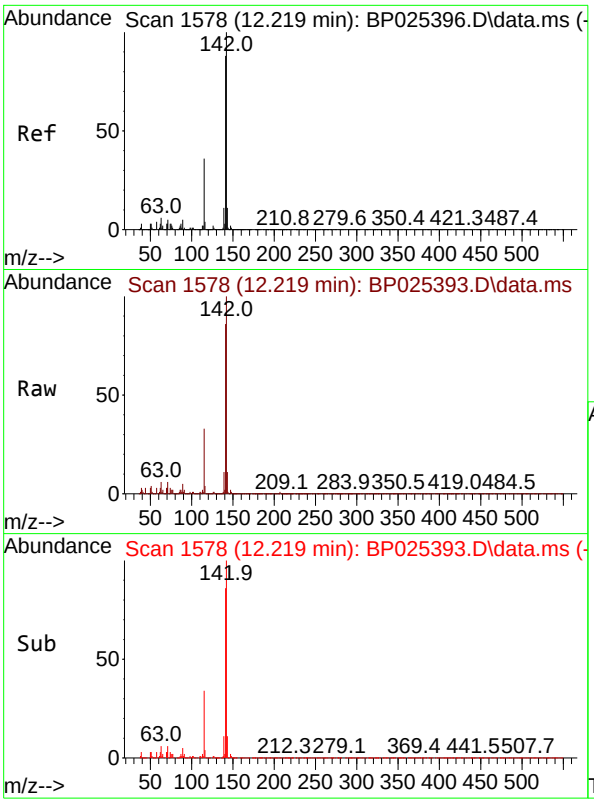


#36
4-Chloro-3-methylphenol
Concen: 5.154 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:107 Resp: 50515

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	70.9	64.6	97.0



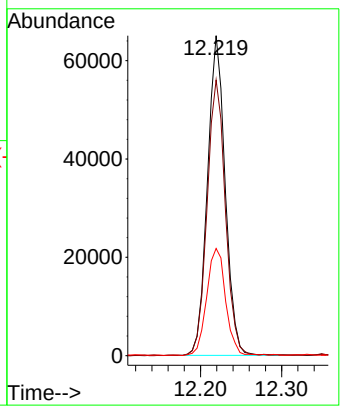


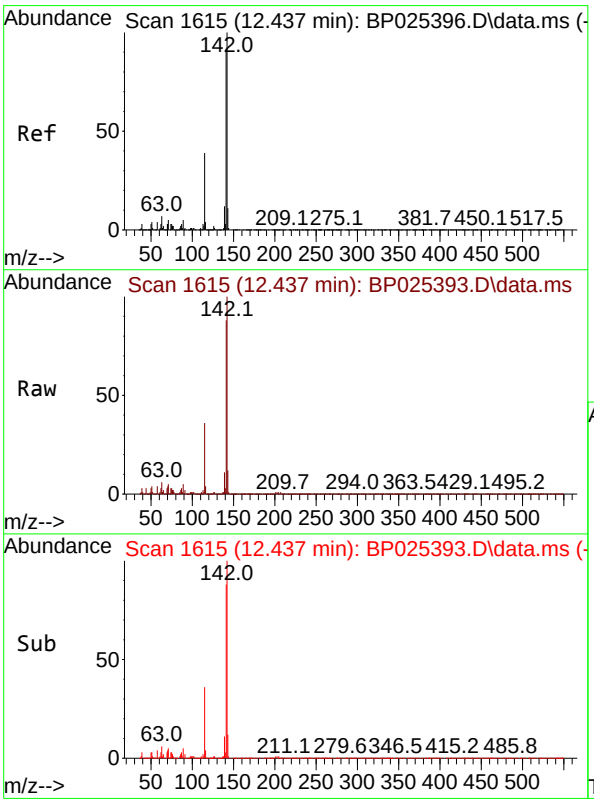
#37
2-Methylnaphthalene
Concen: 5.289 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 98648

Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.3	105.5
115	33.5	28.9	43.3

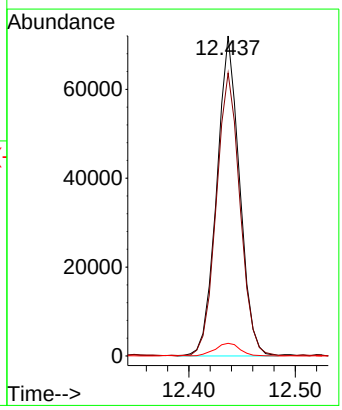


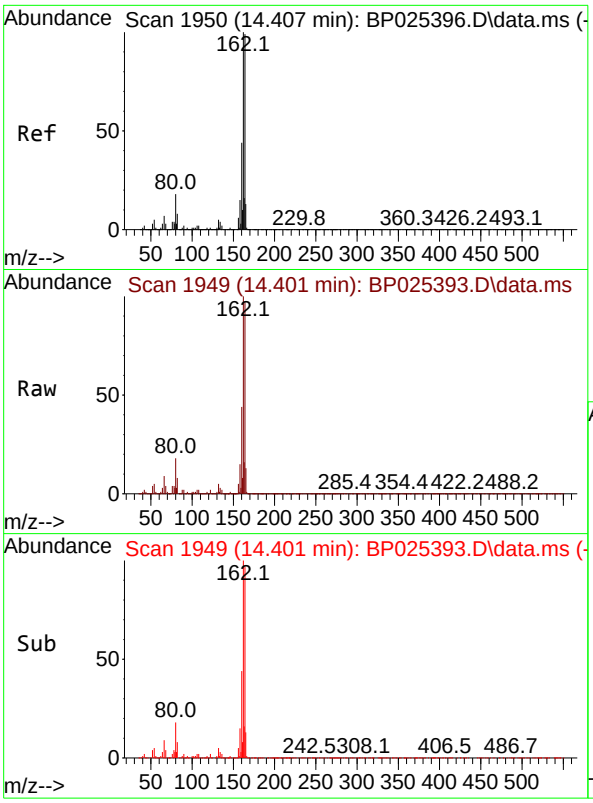


#38
1-Methylnaphthalene
Concen: 5.397 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:142 Resp: 107044

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.1	109.7
116	3.9	3.2	4.8



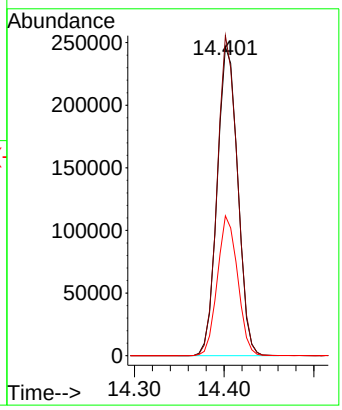


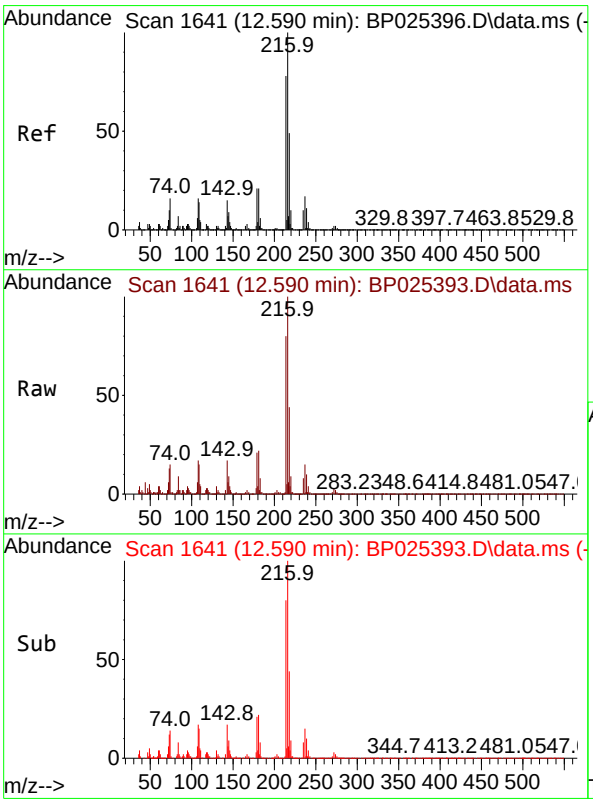
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 392376

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.0	121.6
160	45.3	35.4	53.2

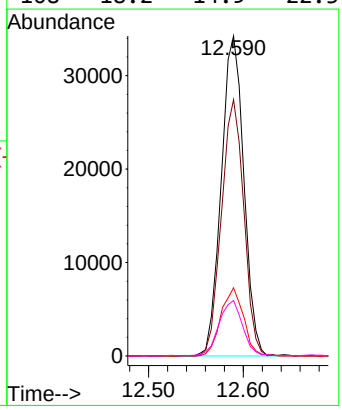


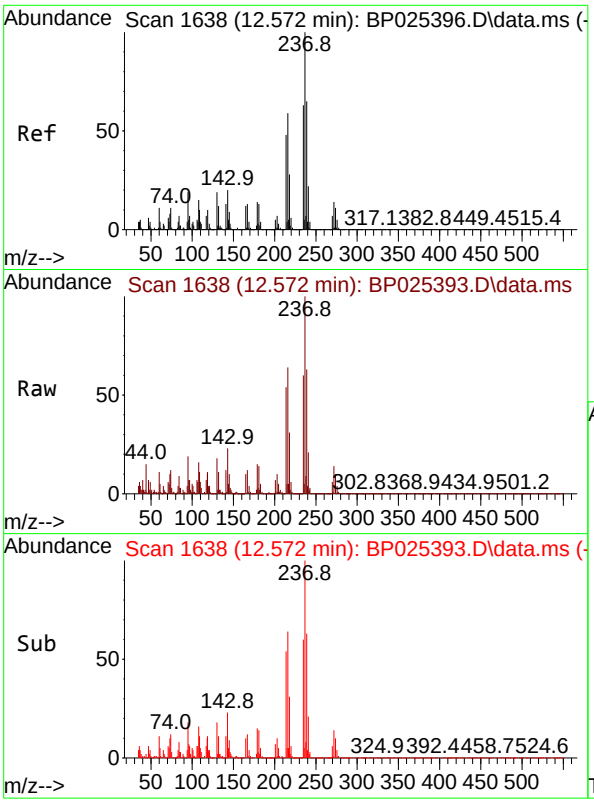


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.001 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:216 Resp: 56676

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.3	17.1	25.7
108	18.2	14.9	22.3



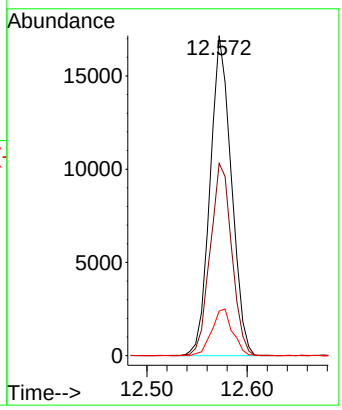


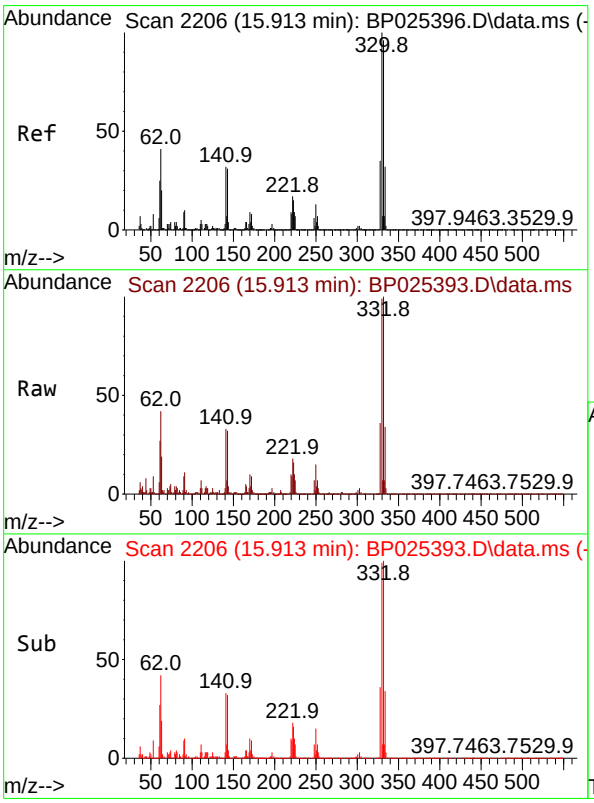
#41
Hexachlorocyclopentadiene
Concen: 3.688 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 25243

Ion	Ratio	Lower	Upper
237	100		
235	60.1	42.7	82.7
272	13.9	0.0	34.0

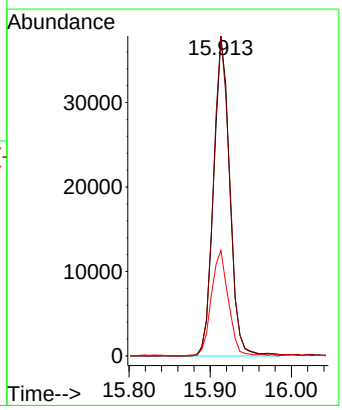


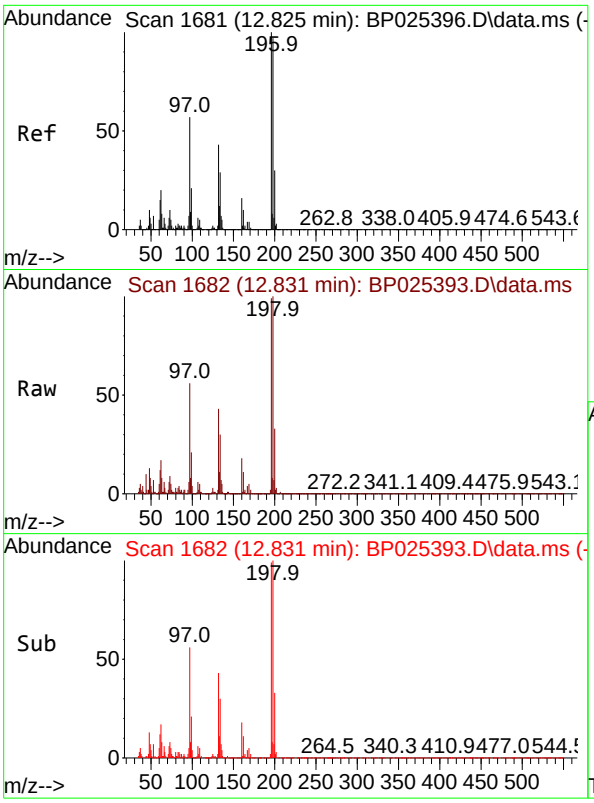


#42
2,4,6-Tribromophenol
Concen: 9.881 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:330 Resp: 52188

Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.3	115.9
141	34.9	26.6	39.8



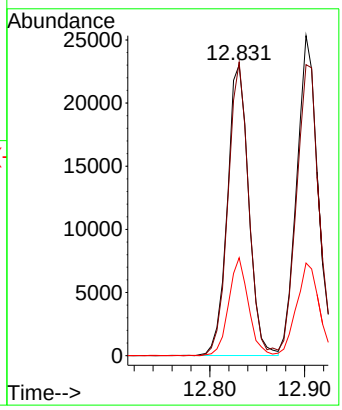


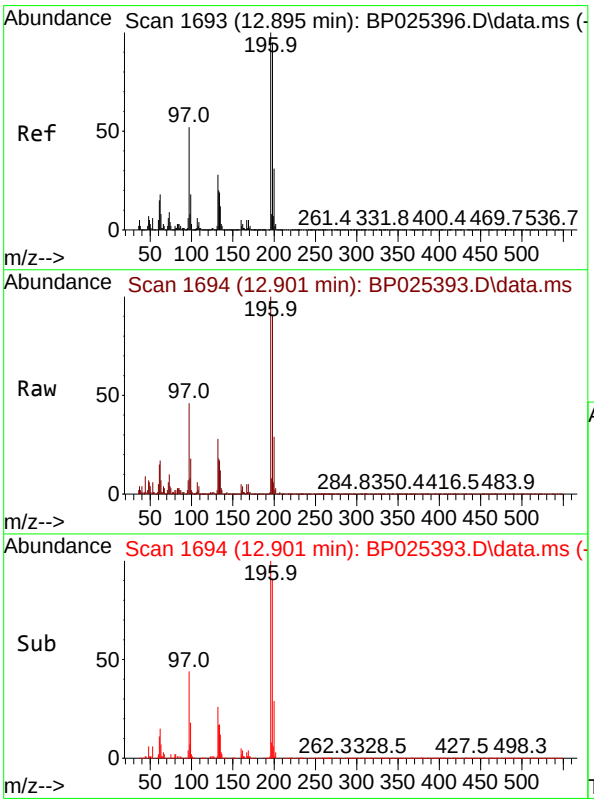
#43
2,4,6-Trichlorophenol
Concen: 4.718 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 36093

Ion	Ratio	Lower	Upper
196	100		
198	101.0	77.2	115.8
200	33.7	23.9	35.9

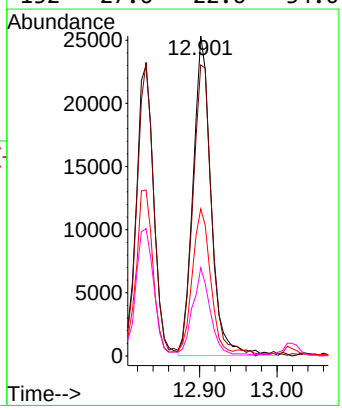


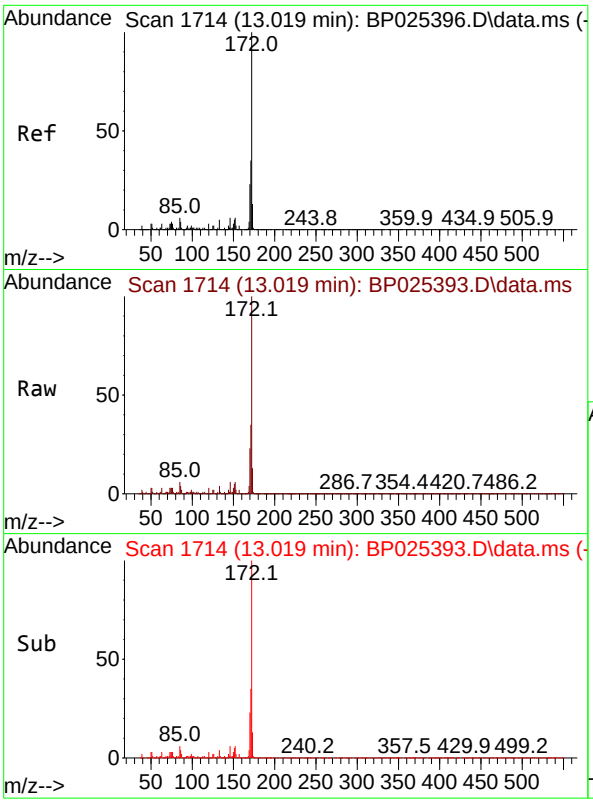


#44
2,4,5-Trichlorophenol
Concen: 4.875 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:196 Resp: 40875

Ion	Ratio	Lower	Upper
196	100		
198	91.0	76.2	114.2
97	46.0	41.2	61.8
132	27.6	22.6	34.0



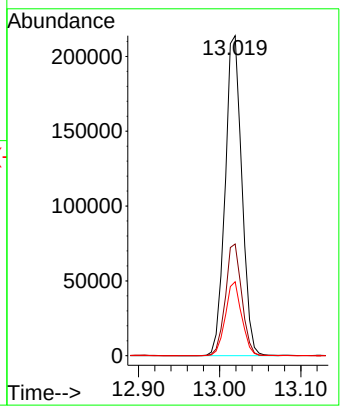


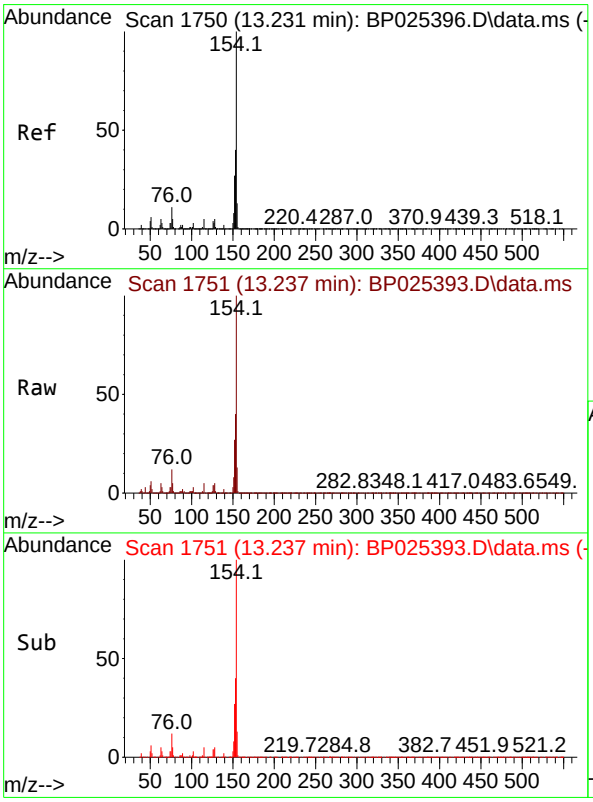
#45
2-Fluorobiphenyl
Concen: 10.649 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 305742

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.1	18.6	28.0

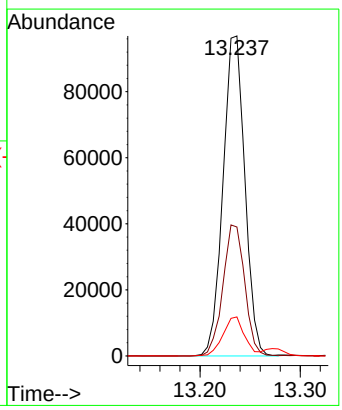


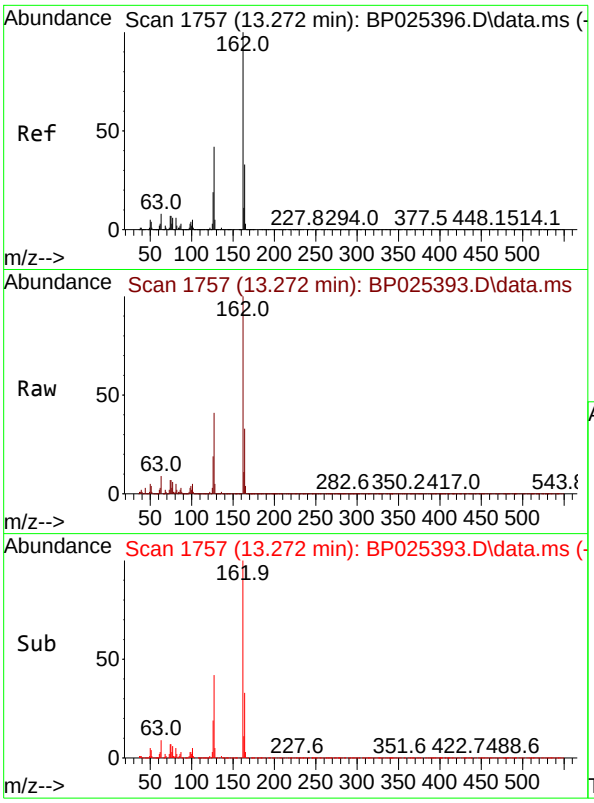


#46
1,1'-Biphenyl
Concen: 5.146 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 146651

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	12.2	0.0	31.1



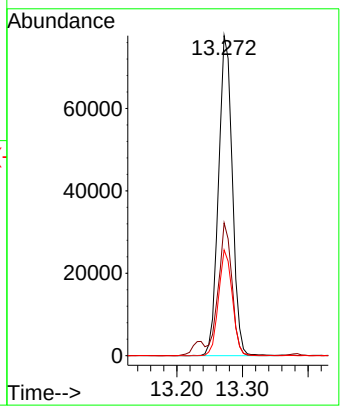


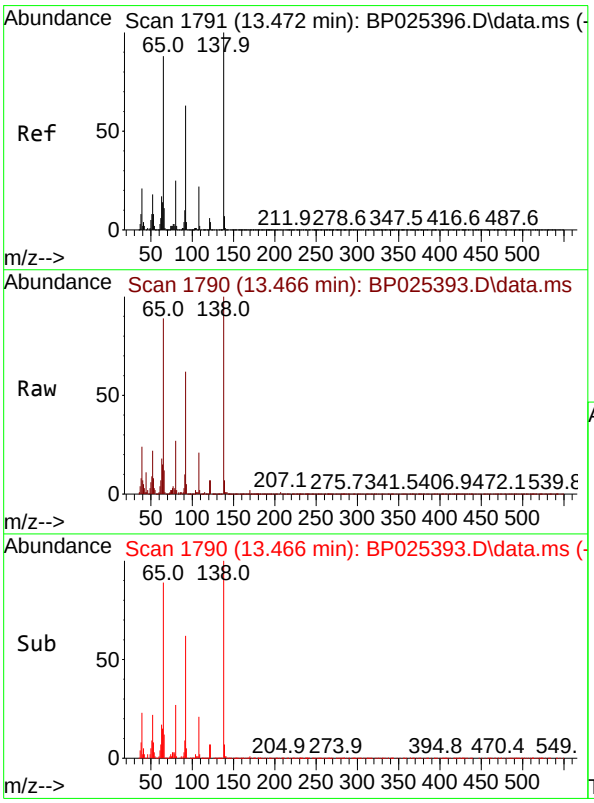
#47
2-Chloronaphthalene
Concen: 5.094 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 113015

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	33.0	26.2	39.2

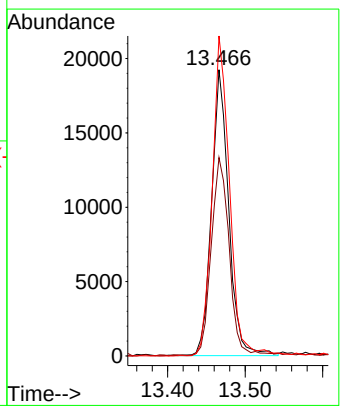


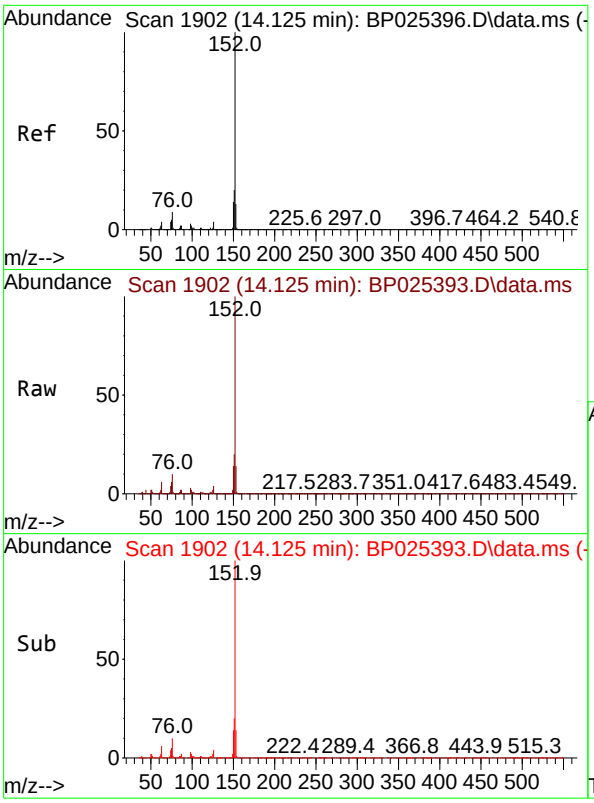


#48
2-Nitroaniline
Concen: 4.568 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion: 65 Resp: 29527

Ion	Ratio	Lower	Upper
65	100		
92	69.3	57.6	86.4
138	111.8	91.0	136.6



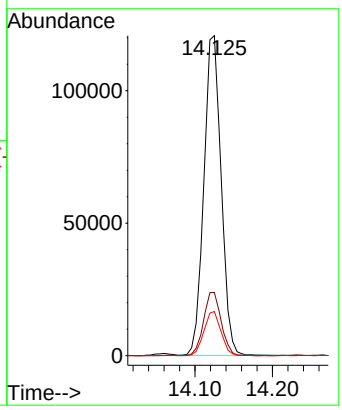


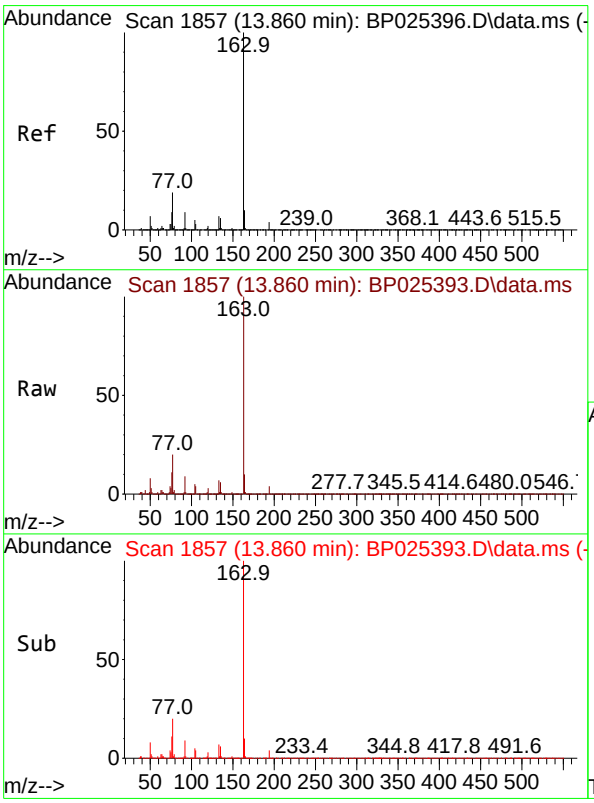
#49
Acenaphthylene
Concen: 5.095 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 187026

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.8	10.6	15.8

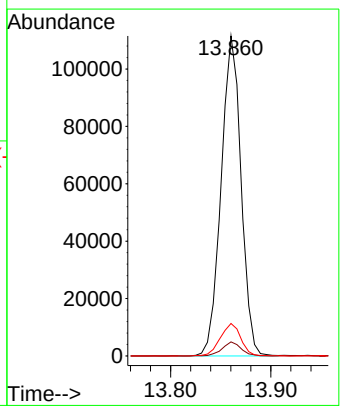


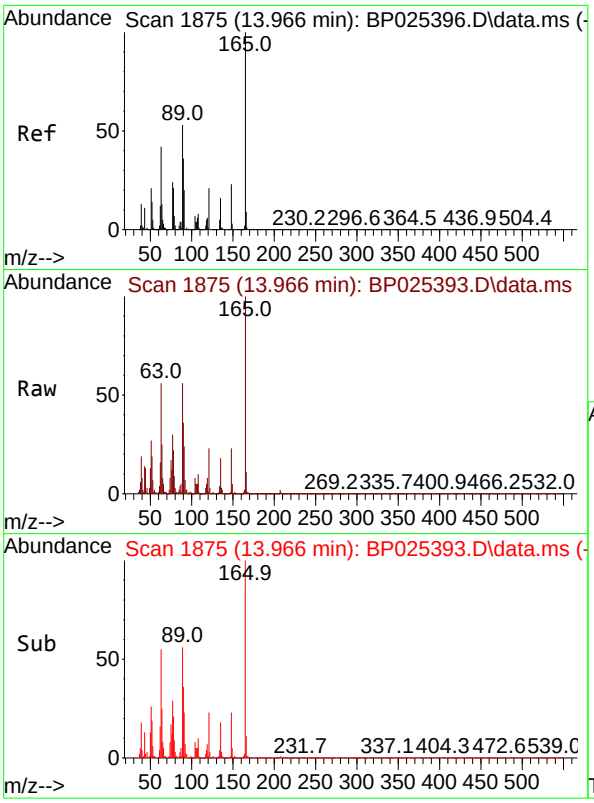


#50
Dimethylphthalate
Concen: 5.355 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:163 Resp: 153868

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.1	7.9	11.9



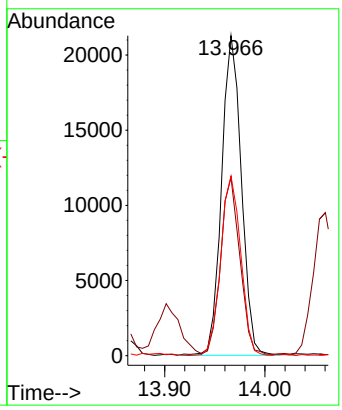


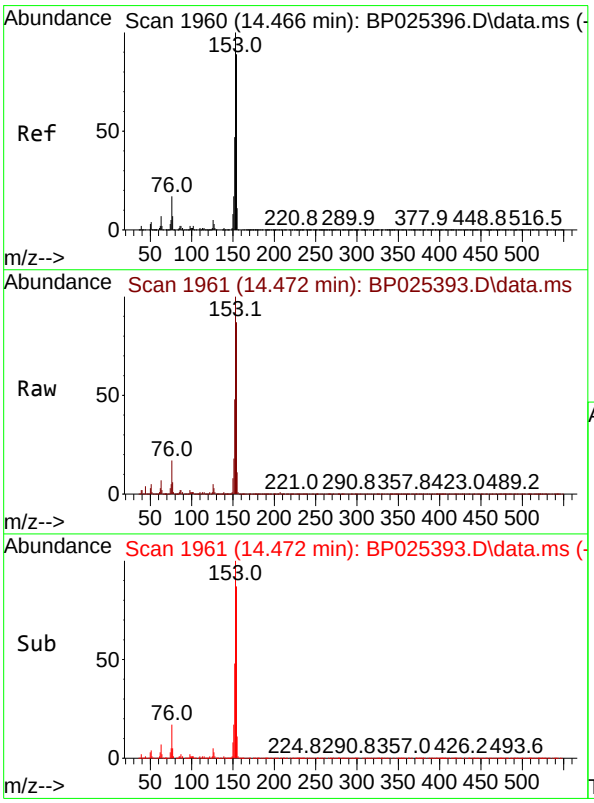
#51
2,6-Dinitrotoluene
Concen: 4.803 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 29088

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	56.2	42.1	63.1

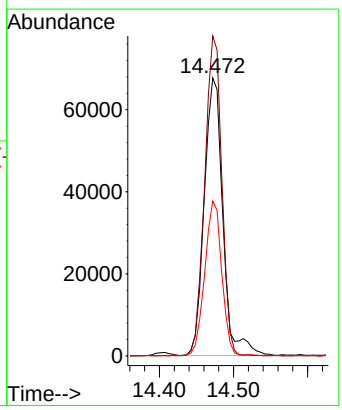


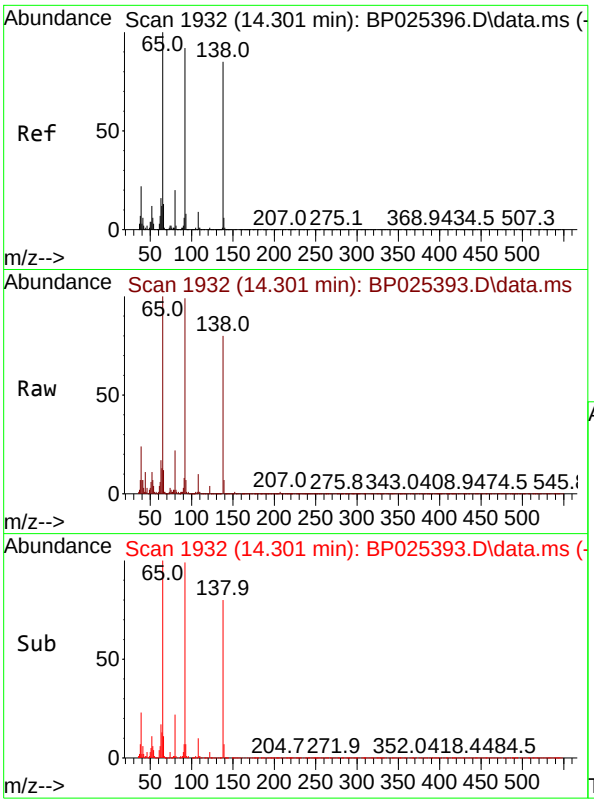


#52
Acenaphthene
Concen: 5.460 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:154 Resp: 117653

Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.2	135.2
152	55.7	42.1	63.1



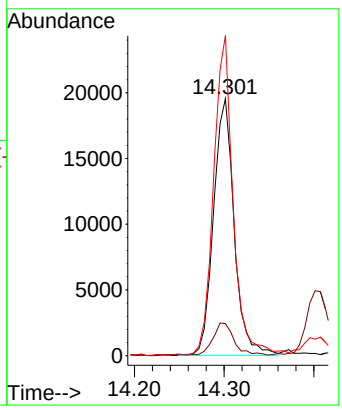


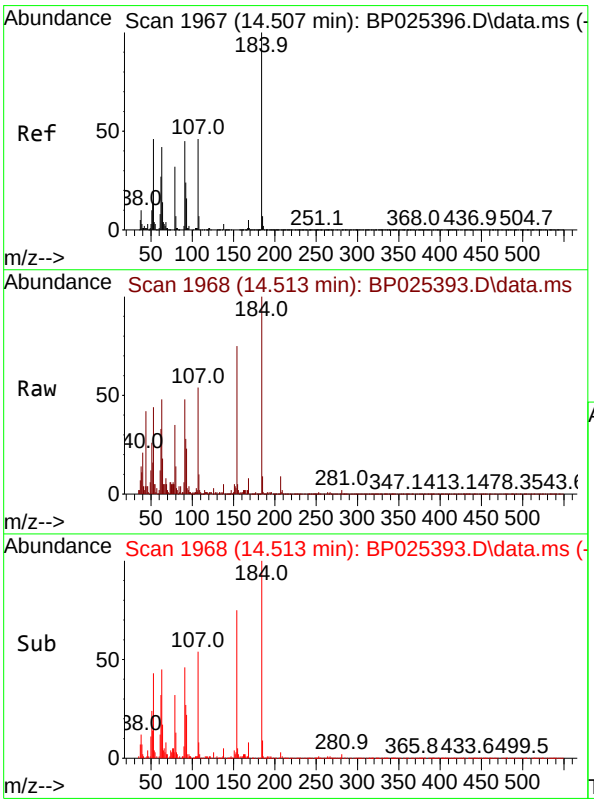
#53
3-Nitroaniline
Concen: 4.583 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 31224

Ion	Ratio	Lower	Upper
138	100		
108	12.5	8.3	12.5
92	124.5	86.2	129.2

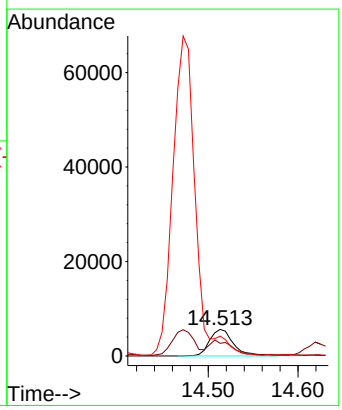


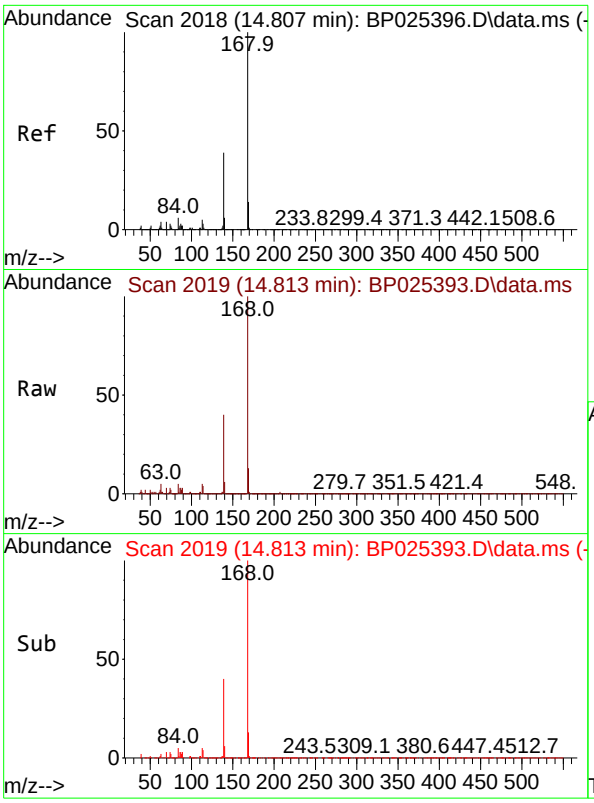


#54
2,4-Dinitrophenol
Concen: 3.228 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:184 Resp: 10441

Ion	Ratio	Lower	Upper
184	100		
63	47.6	49.4	74.2#
154	74.9	54.6	82.0



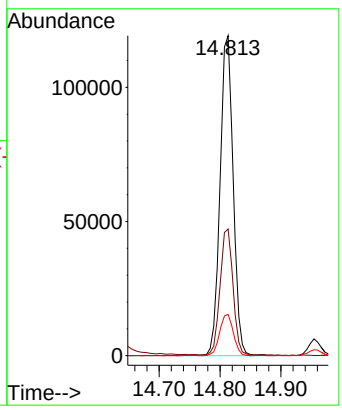


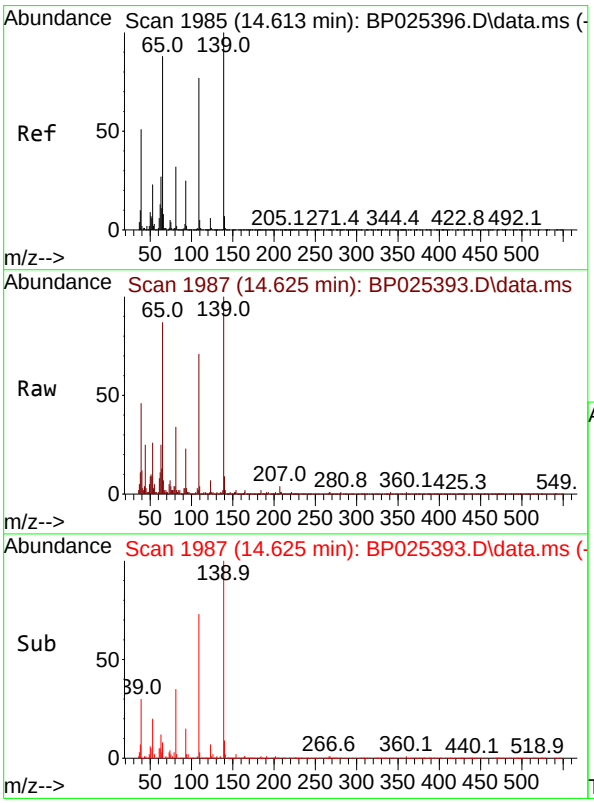
#55
Dibenzofuran
Concen: 5.240 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 178494

Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.5	47.3
169	12.9	10.9	16.3

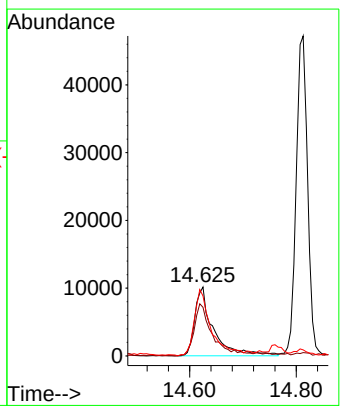


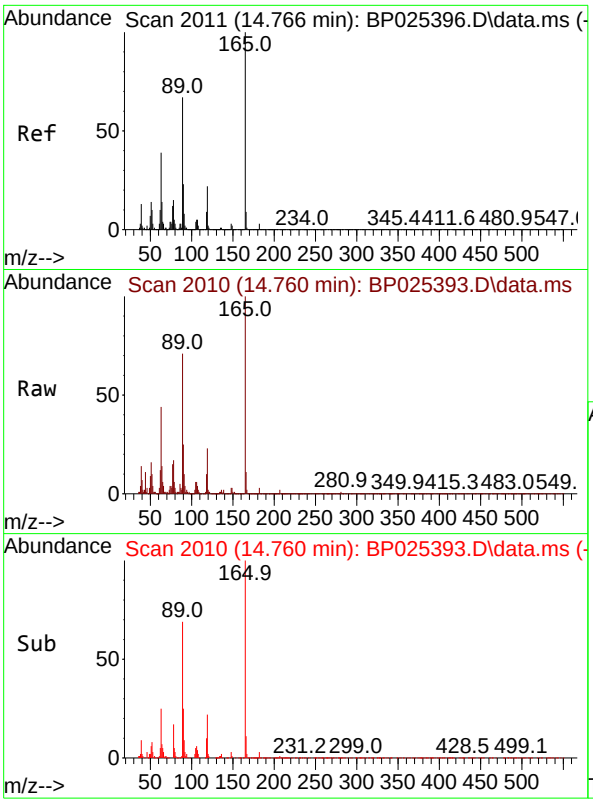


#56
4-Nitrophenol
Concen: 4.379 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:139 Resp: 24517

Ion	Ratio	Lower	Upper
139	100		
109	70.6	56.6	96.6
65	86.9	68.2	108.2



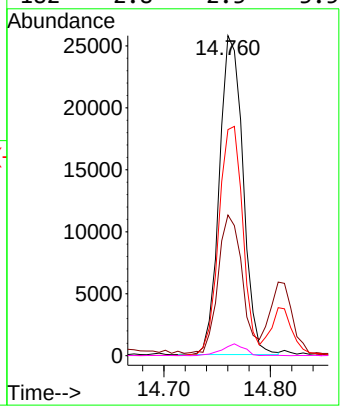


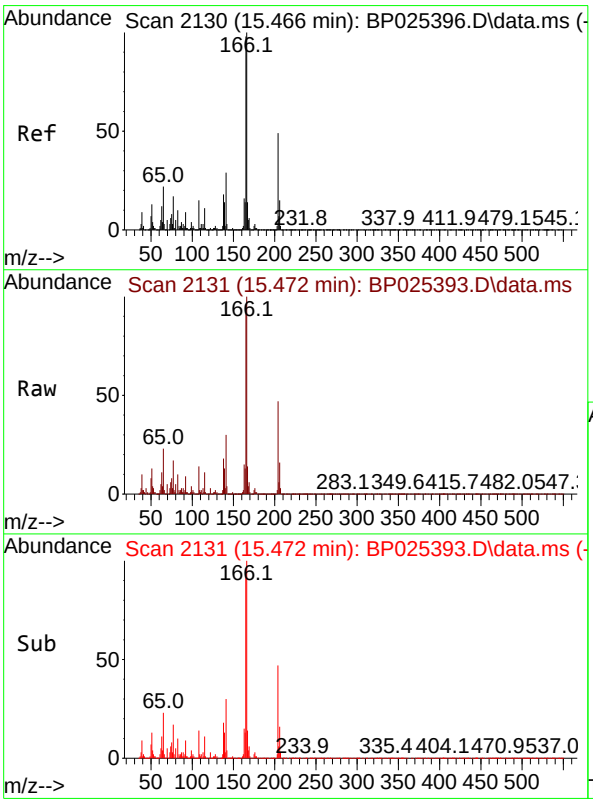
#57
2,4-Dinitrotoluene
Concen: 4.590 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 39658

Ion	Ratio	Lower	Upper
165	100		
63	43.9	31.4	47.2
89	70.6	53.3	79.9
182	2.8	2.3	3.5

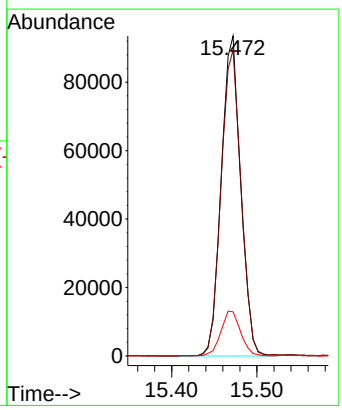


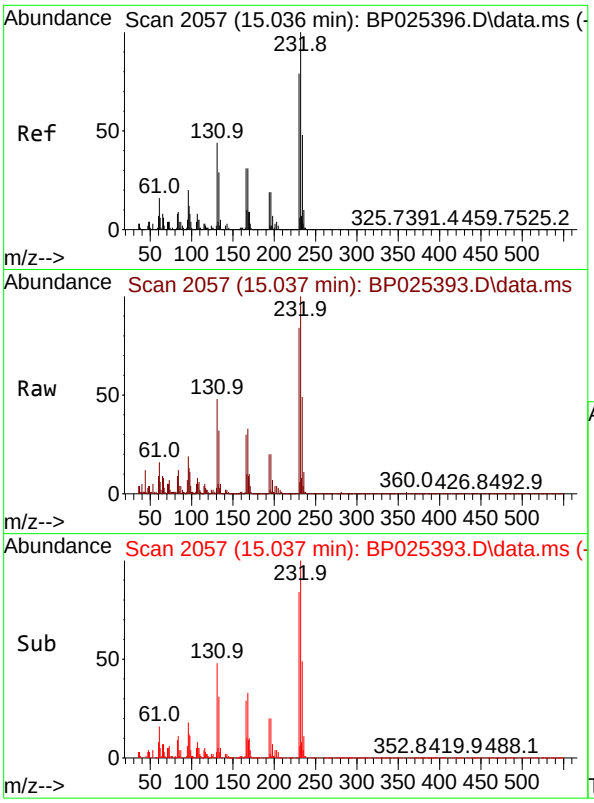


#58
Fluorene
Concen: 5.497 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:166 Resp: 147760

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.8	118.2
167	13.8	11.0	16.4



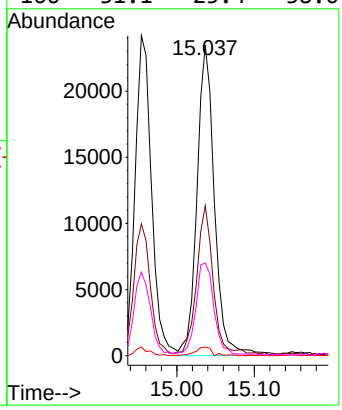


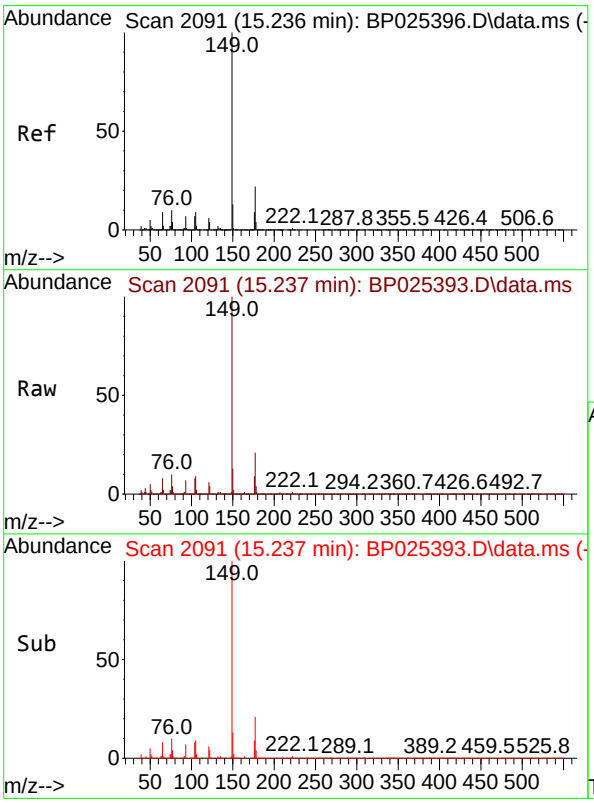
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.968 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 36779

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.7	1.9	2.9
166	31.1	25.4	38.0

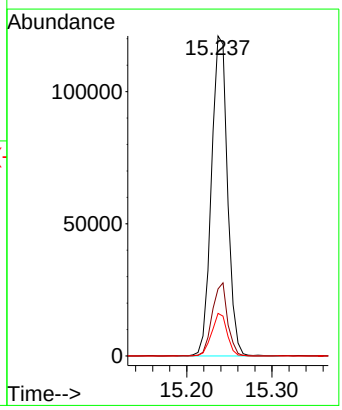


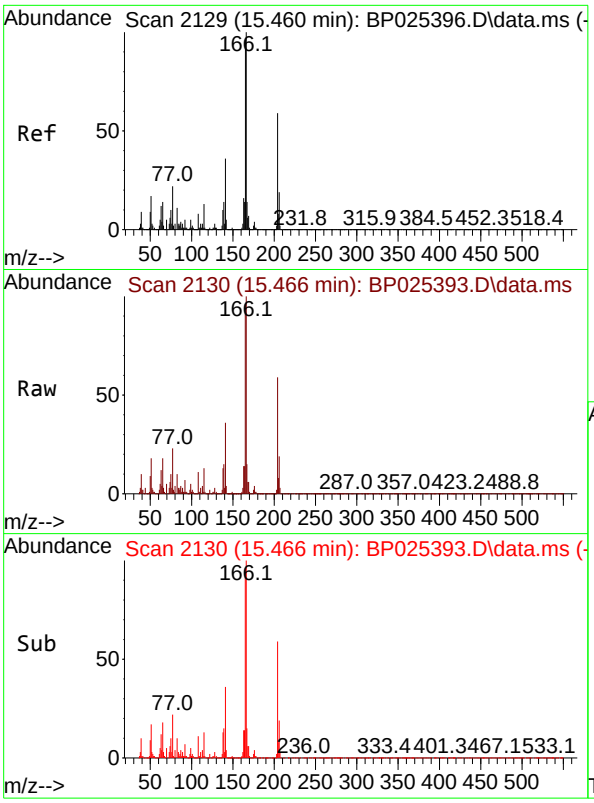


#60
Diethylphthalate
Concen: 5.426 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 158426

Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.3	25.9
150	13.3	10.3	15.5



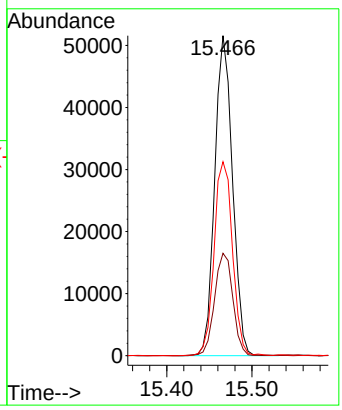


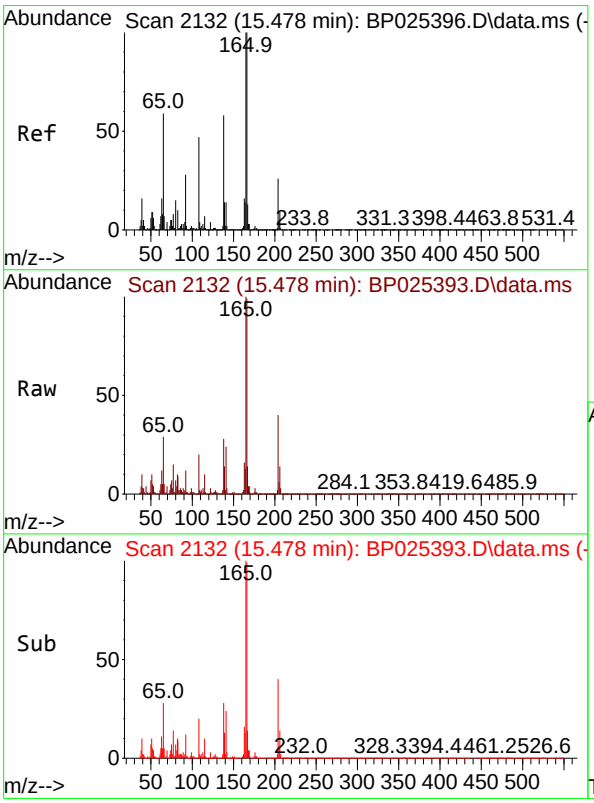
#61
4-Chlorophenyl-phenylether
Concen: 5.583 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 74636

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.8	38.8
141	60.6	49.4	74.2

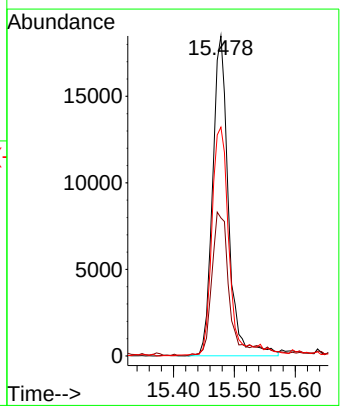


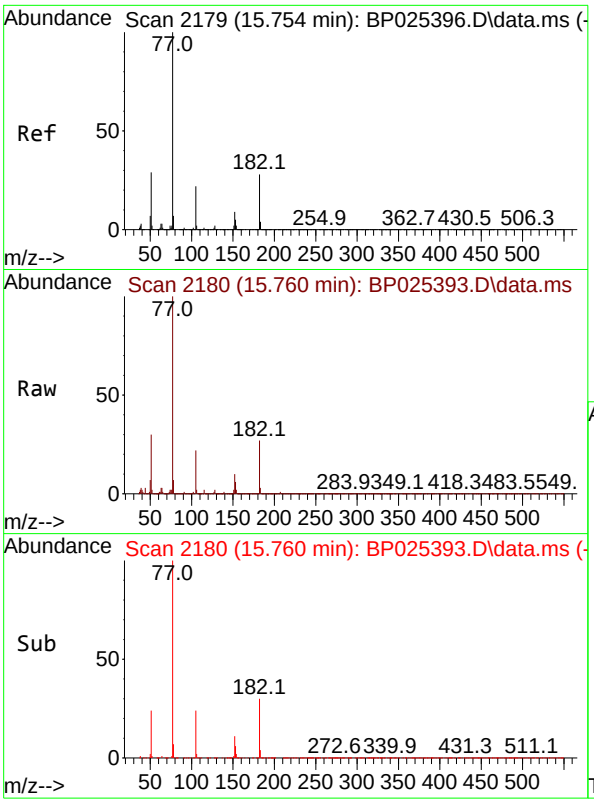


#62
4-Nitroaniline
Concen: 4.791 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:138 Resp: 33466

Ion	Ratio	Lower	Upper
138	100		
92	43.2	29.1	69.1
108	71.5	61.5	101.5



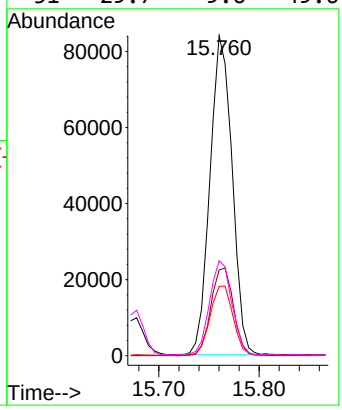


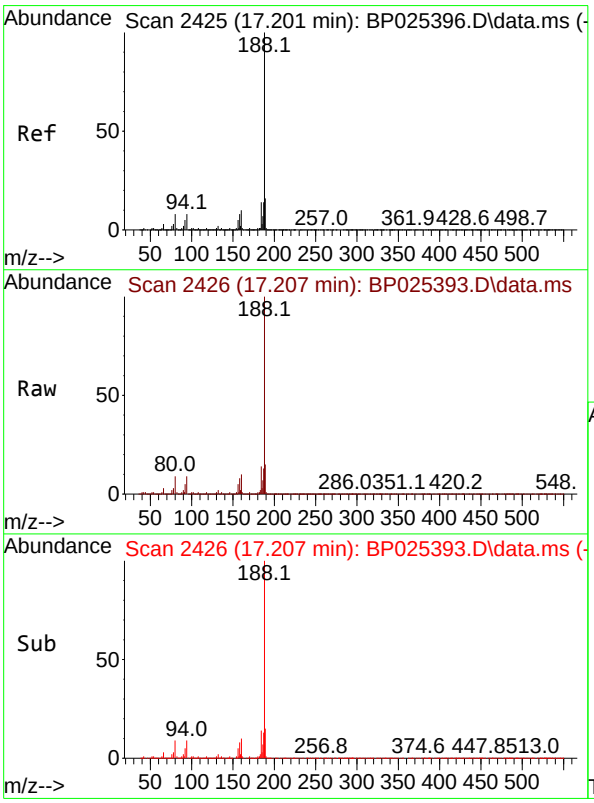
#63
Azobenzene
Concen: 5.159 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 128978

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	21.6	2.1	42.1
51	29.7	9.6	49.6

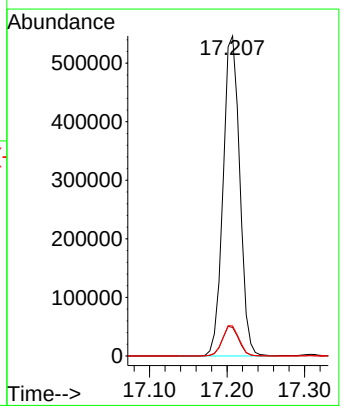


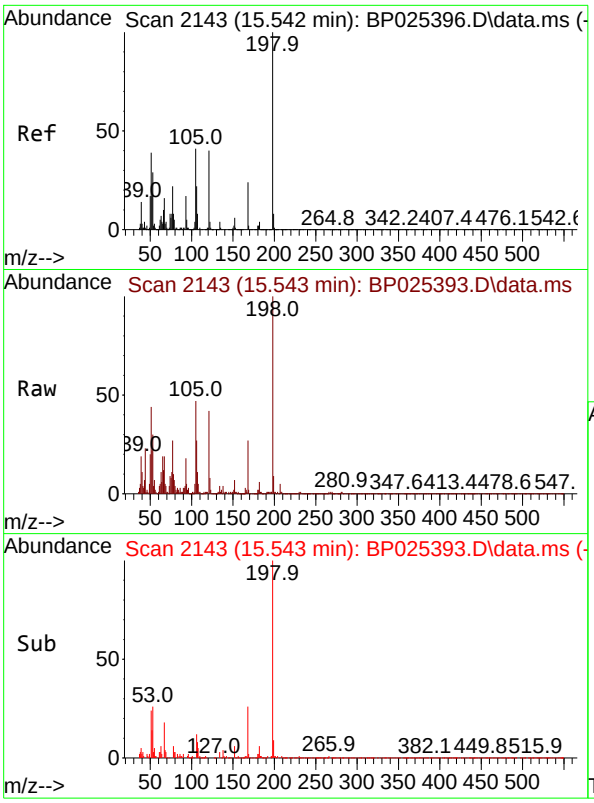


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:188 Resp: 816331

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.4	6.7	10.1



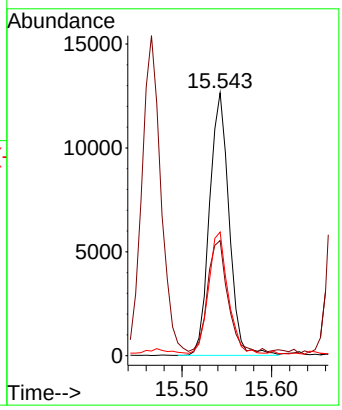


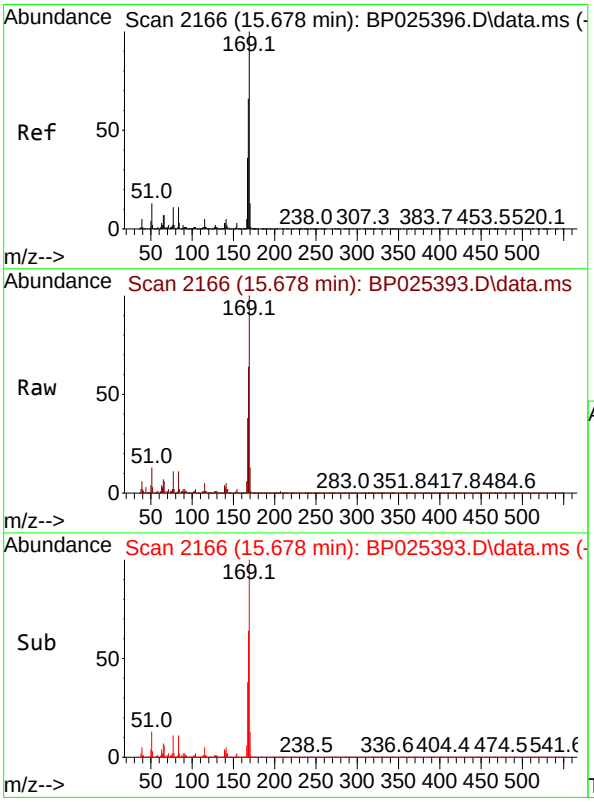
#65
4,6-Dinitro-2-methylphenol
Concen: 3.747 ng
RT: 15.543 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 19069

Ion	Ratio	Lower	Upper
198	100		
51	43.8	19.6	59.6
105	47.0	20.9	60.9

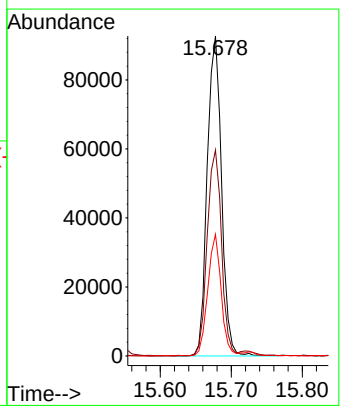


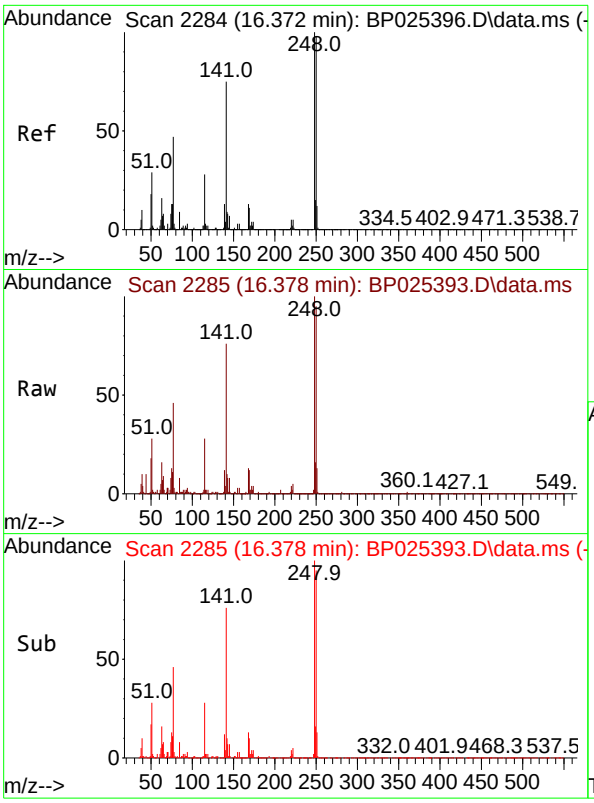


#66
n-Nitrosodiphenylamine
Concen: 5.214 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:169 Resp: 129805

Ion	Ratio	Lower	Upper
169	100		
168	64.3	53.2	79.8
167	38.0	28.7	43.1



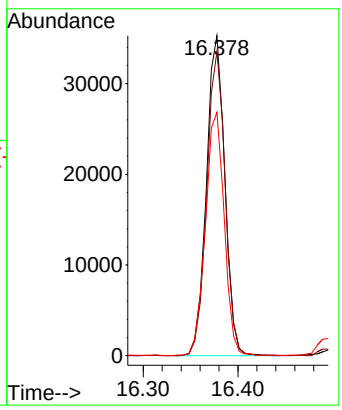


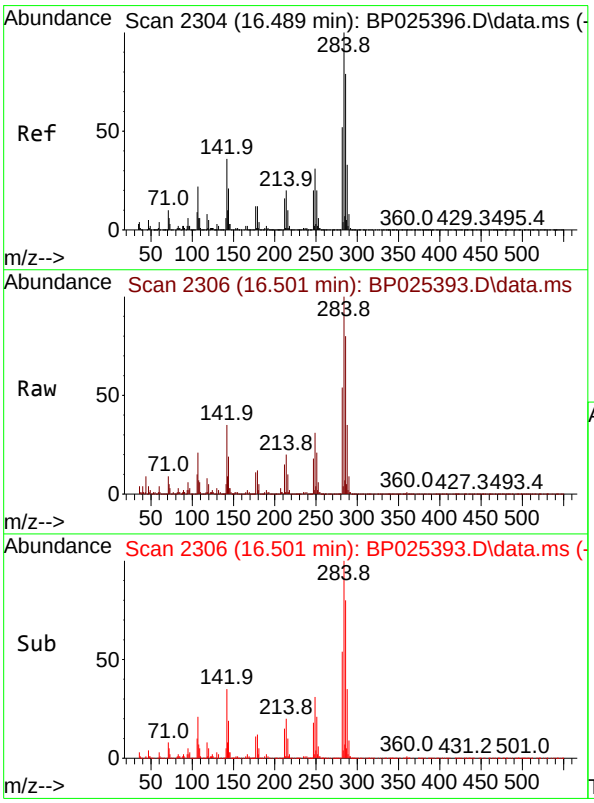
#67
4-Bromophenyl-phenylether
Concen: 5.299 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 47579

Ion	Ratio	Lower	Upper
248	100		
250	95.1	78.2	117.2
141	76.0	59.6	89.4

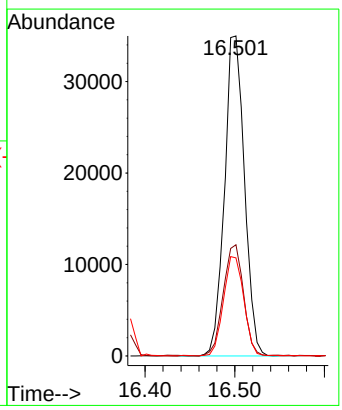


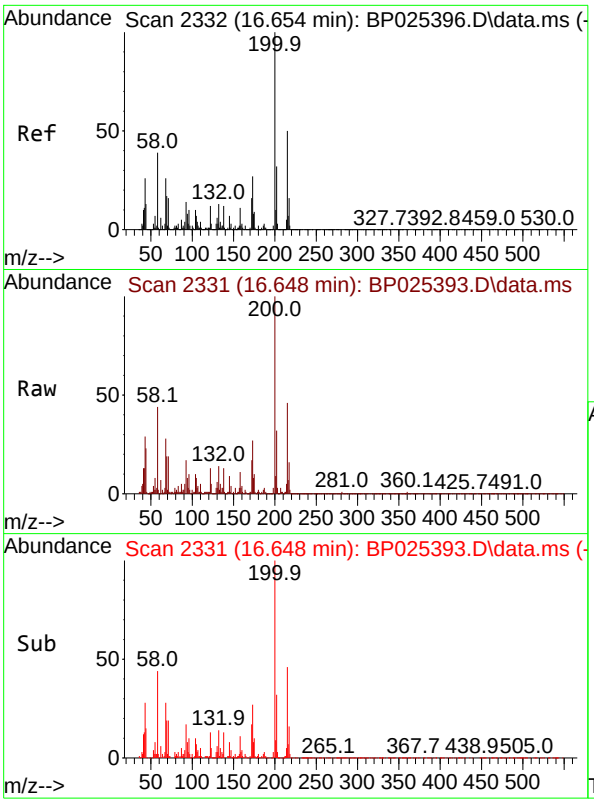


#68
Hexachlorobenzene
Concen: 5.183 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:284 Resp: 53940

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.1	43.7
249	30.6	25.0	37.4



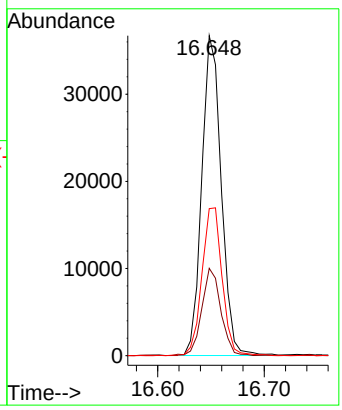


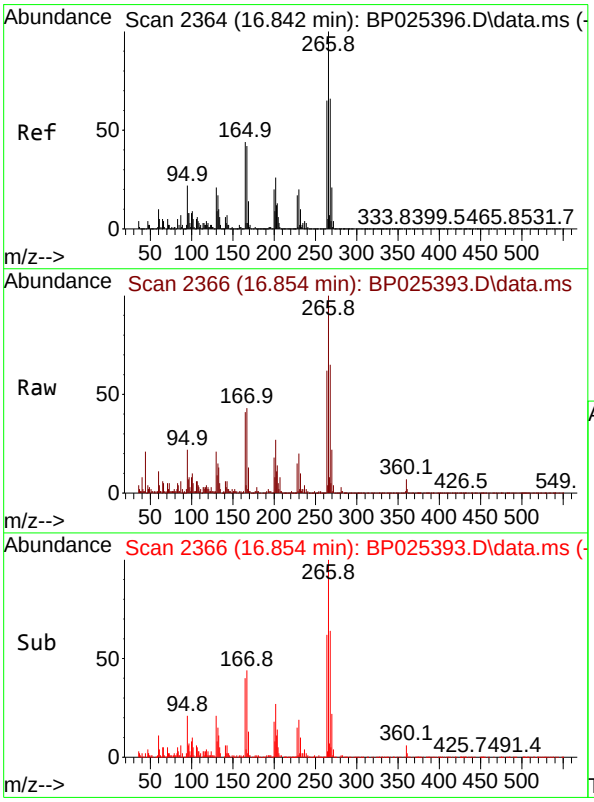
#69
Atrazine
Concen: 5.015 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 46750

Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.7	46.7
215	45.9	29.7	69.7

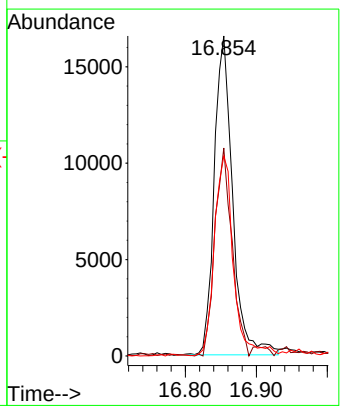


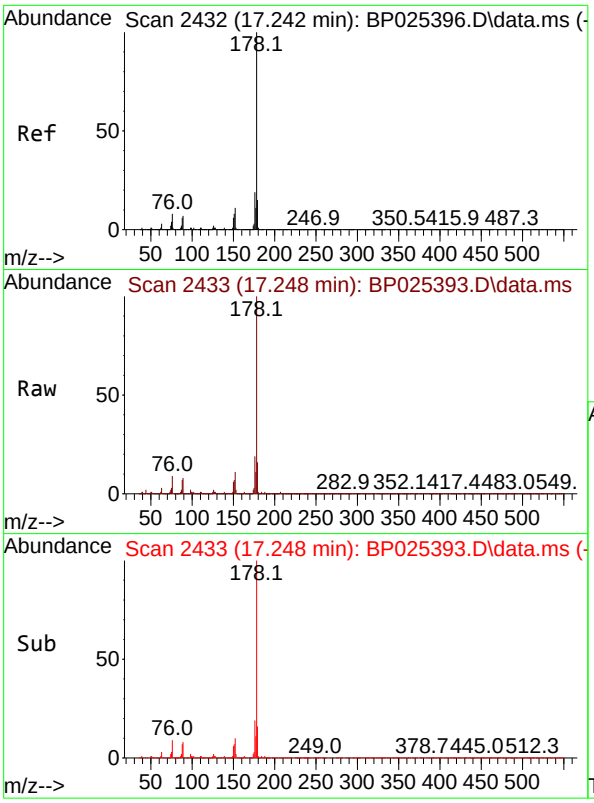


#70
Pentachlorophenol
Concen: 4.513 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:266 Resp: 29650

Ion	Ratio	Lower	Upper
266	100		
268	70.4	52.6	79.0
264	66.3	52.0	78.0



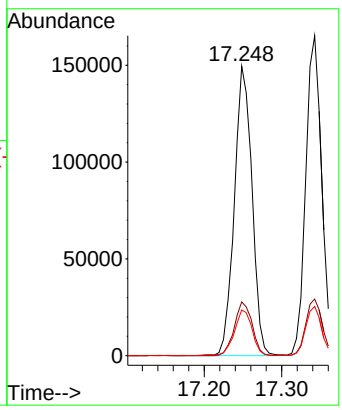


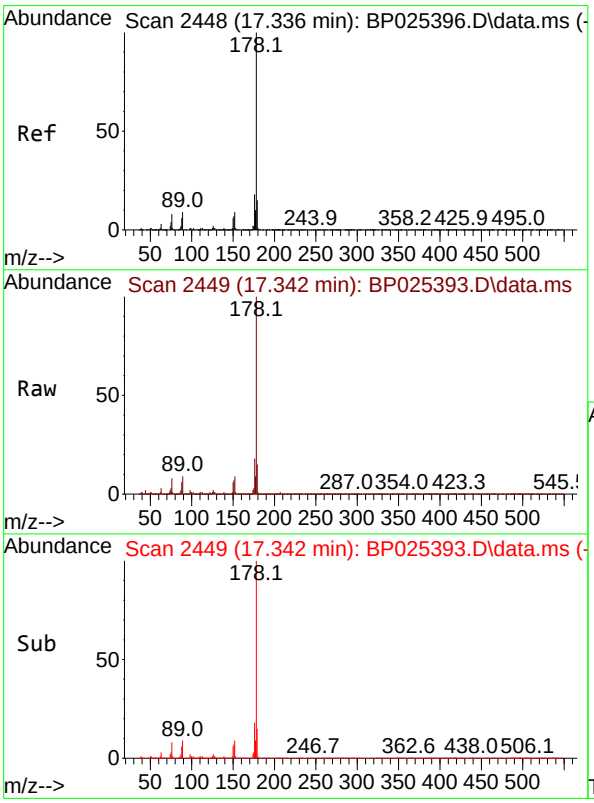
#71
Phenanthrene
Concen: 5.287 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 237107

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.8	12.2	18.4

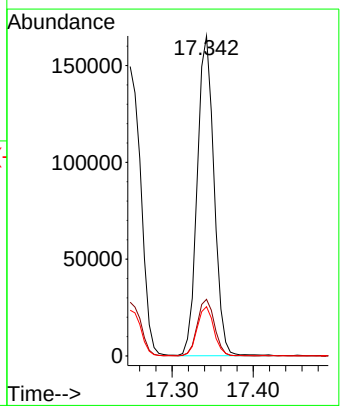


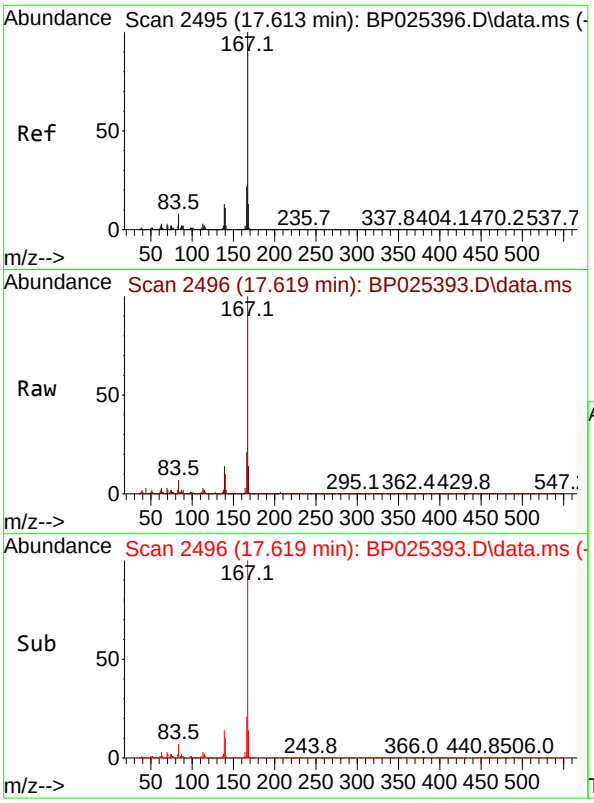


#72
Anthracene
Concen: 5.174 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:178 Resp: 236938

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.4	12.2	18.2



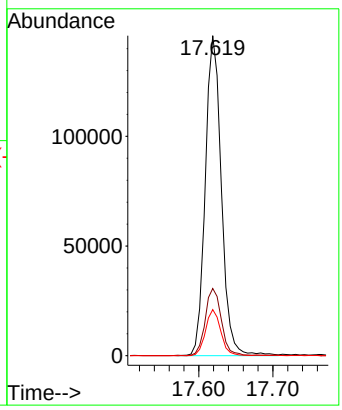


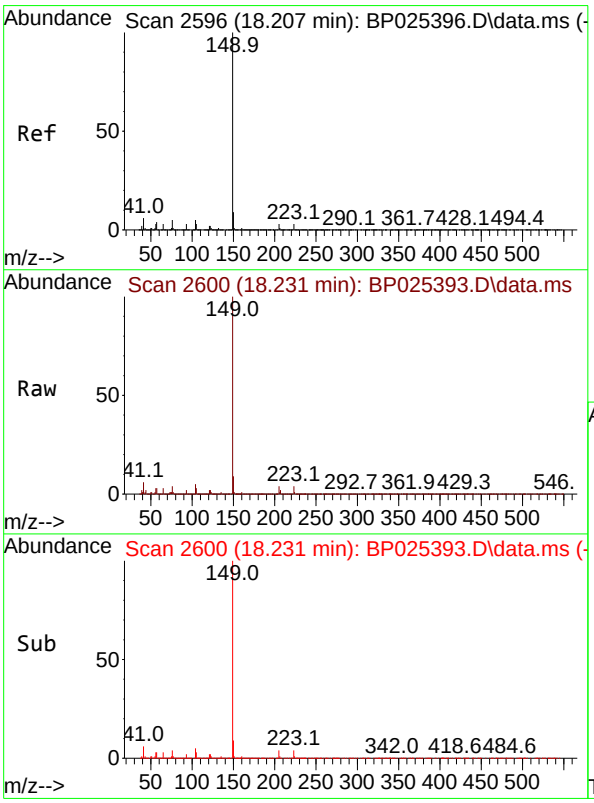
#73
Carbazole
Concen: 5.103 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 220112

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	14.4	10.6	16.0

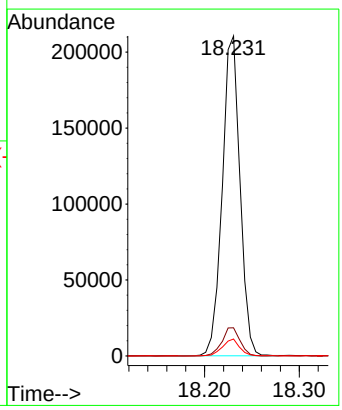


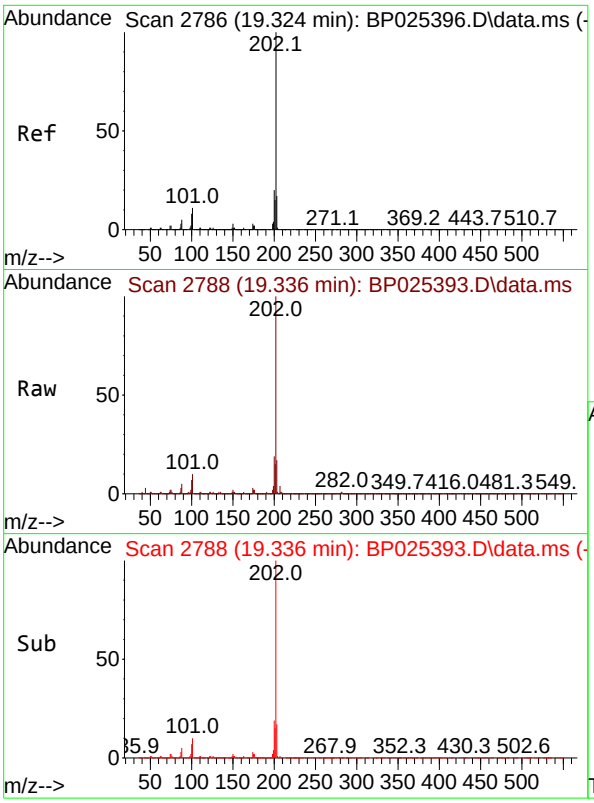


#74
Di-n-butylphthalate
Concen: 5.172 ng
RT: 18.231 min Scan# 2600
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 274467

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.3	4.2	6.2



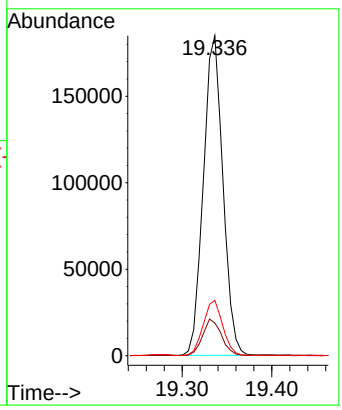


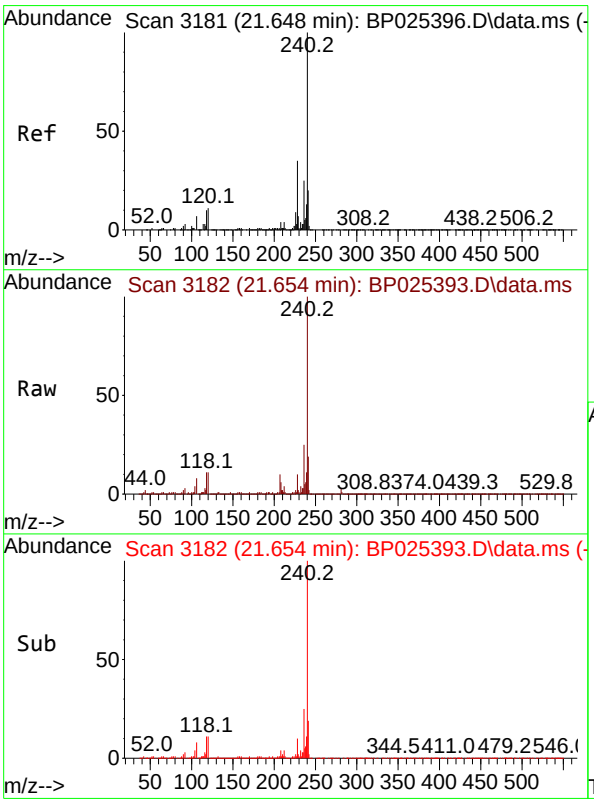
#75
Fluoranthene
Concen: 5.225 ng
RT: 19.336 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 279497

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	17.3	0.0	37.3

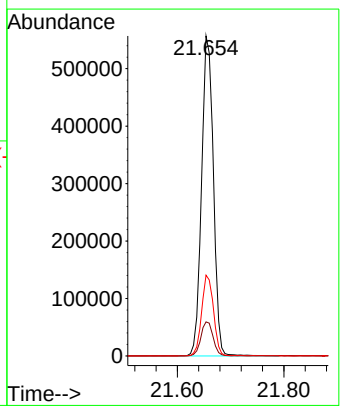


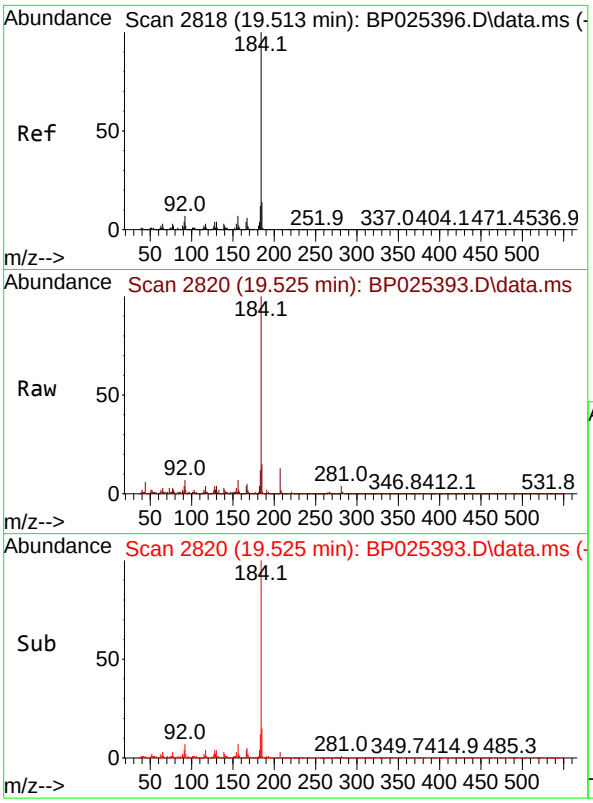


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:240 Resp: 858165

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.2	19.8	29.8



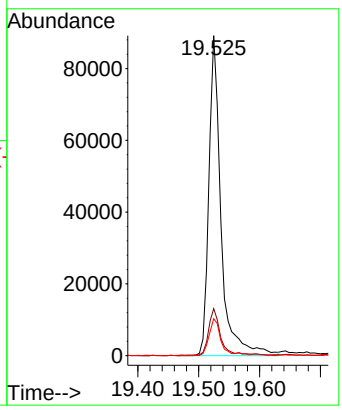


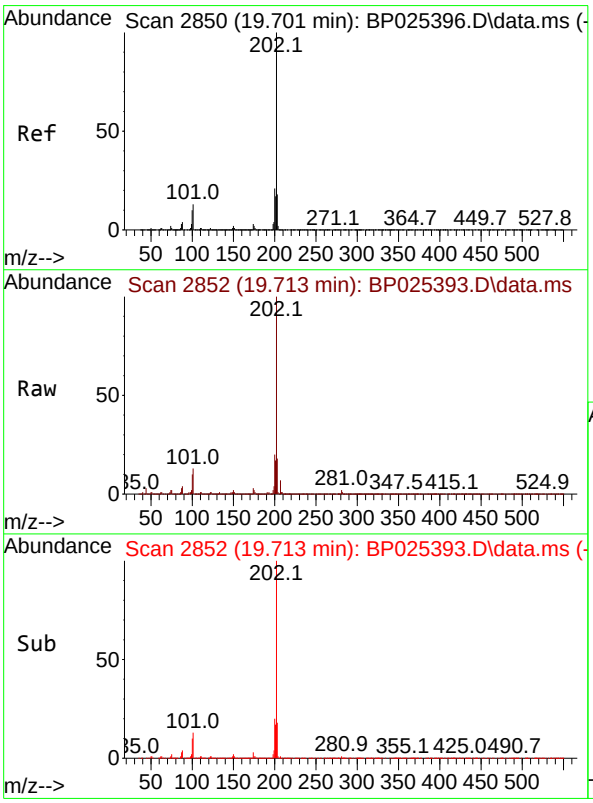
#77
Benzidine
Concen: 4.231 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 123915

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.6	9.4	14.2

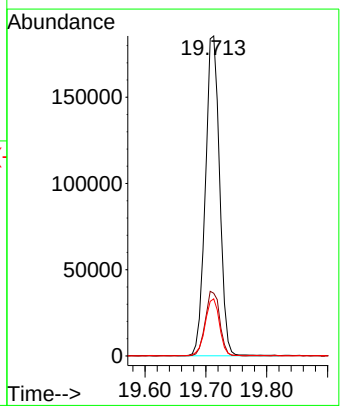


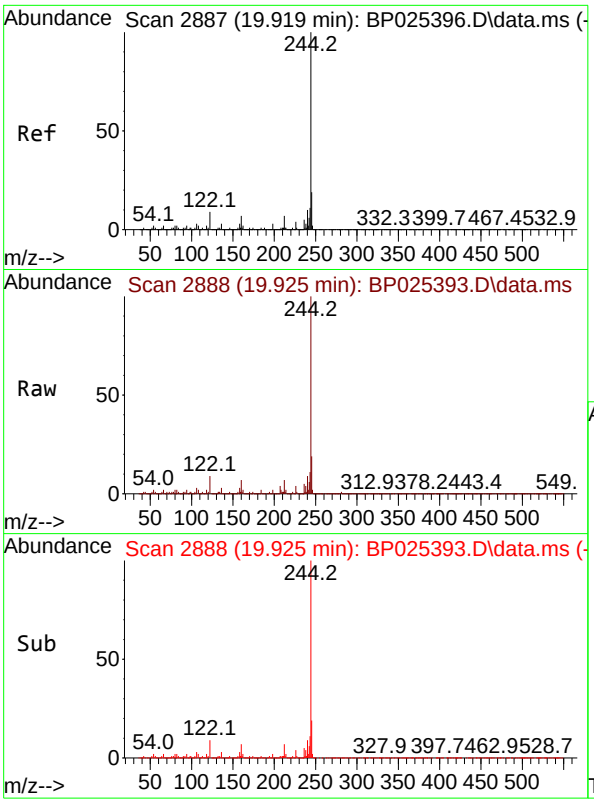


#78
Pyrene
Concen: 5.377 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:202 Resp: 299922

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.9	25.3
203	17.8	14.2	21.2



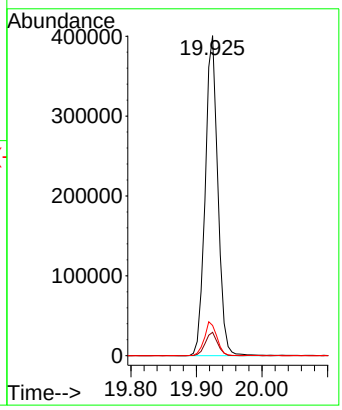


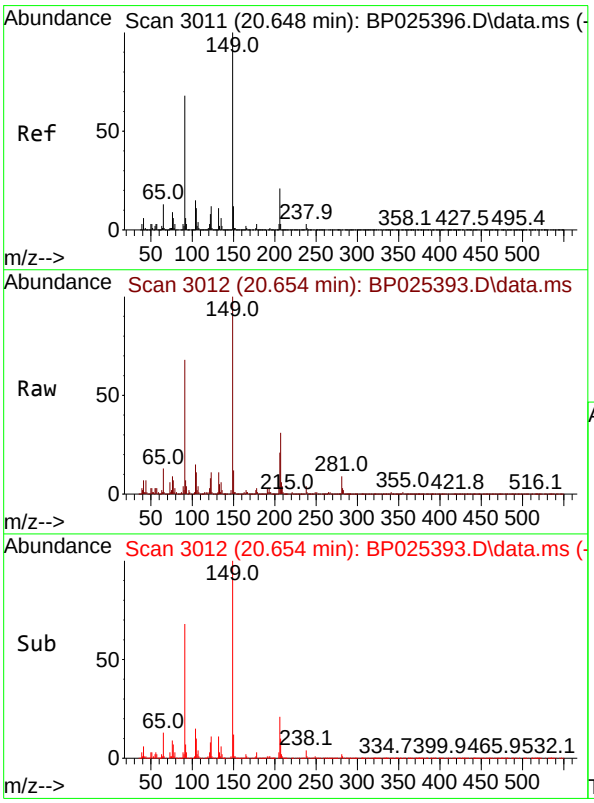
#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 536049

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.5	7.4	11.2

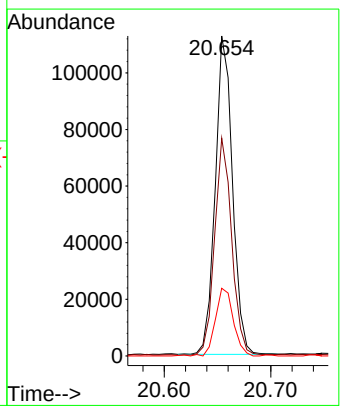


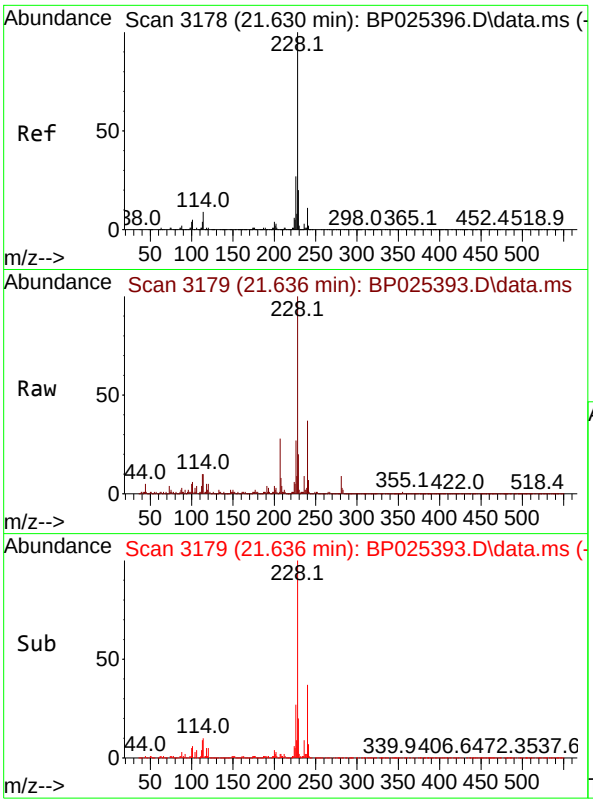


#80
Butylbenzylphthalate
Concen: 4.997 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 126321

Ion	Ratio	Lower	Upper
149	100		
91	68.0	54.2	81.2
206	21.1	16.6	24.8



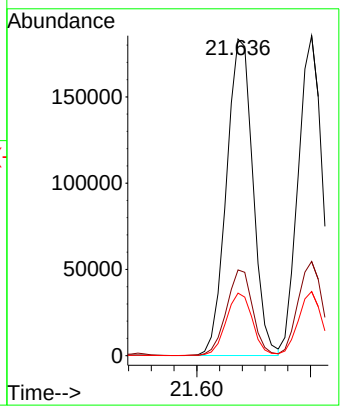


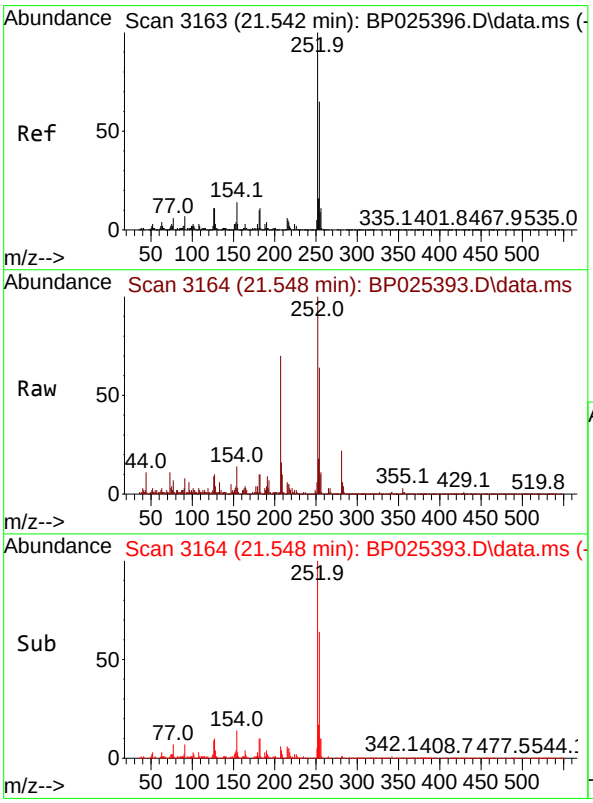
#81
Benzo(a)anthracene
Concen: 5.245 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 296847

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.8	15.6	23.4

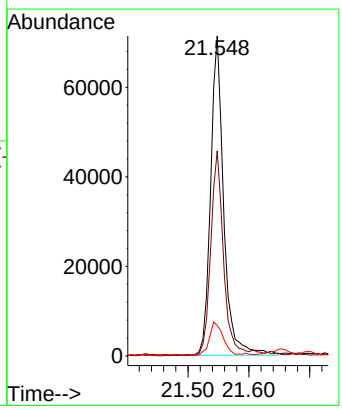


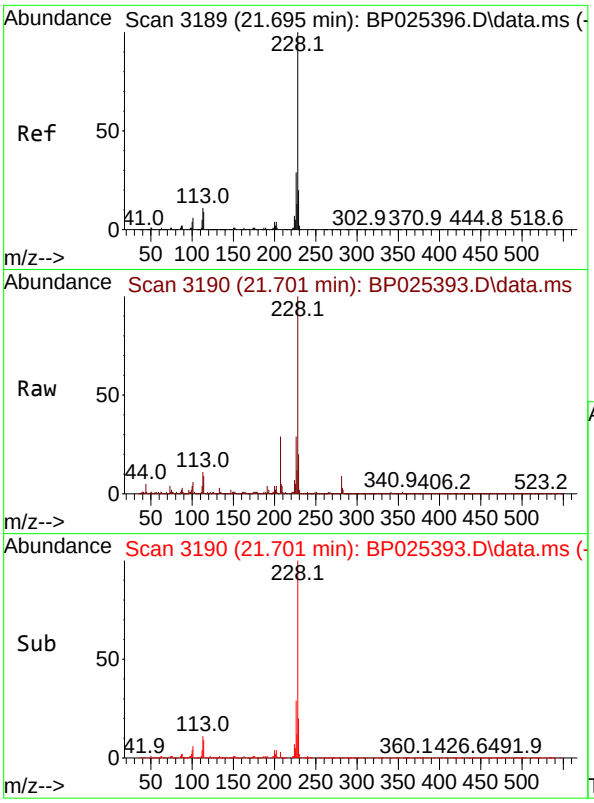


#82
3,3'-Dichlorobenzidine
Concen: 5.009 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 106858

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	9.5	9.1	13.7



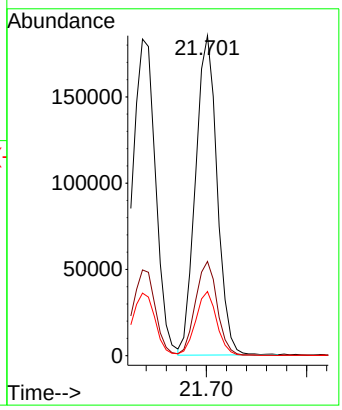


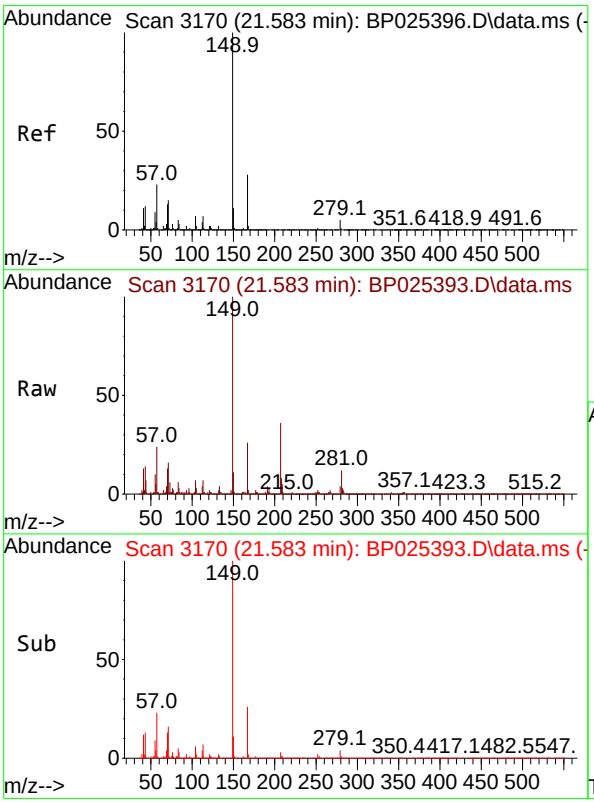
#83
Chrysene
Concen: 5.229 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 277175

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	20.0	15.6	23.4

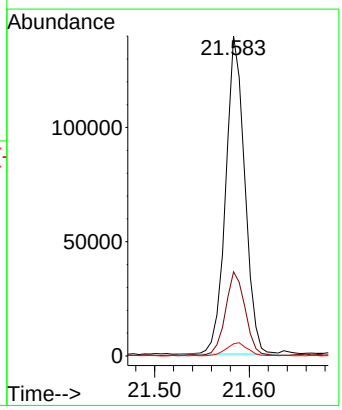


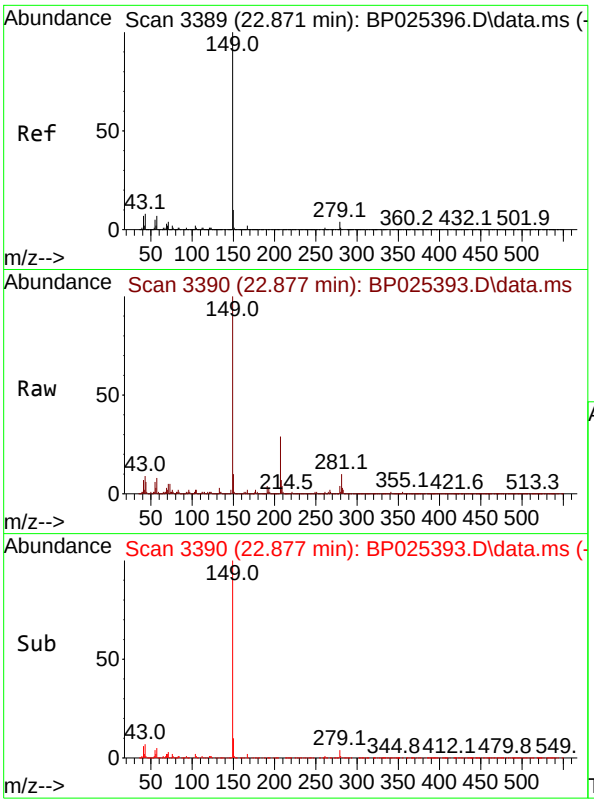


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.228 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:149 Resp: 194541

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	3.8	3.8	5.6



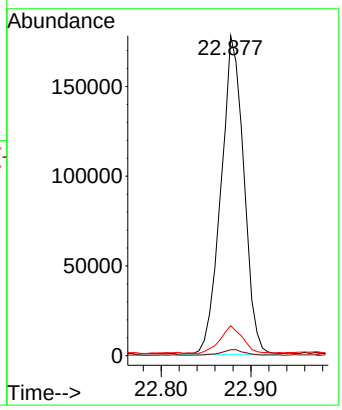


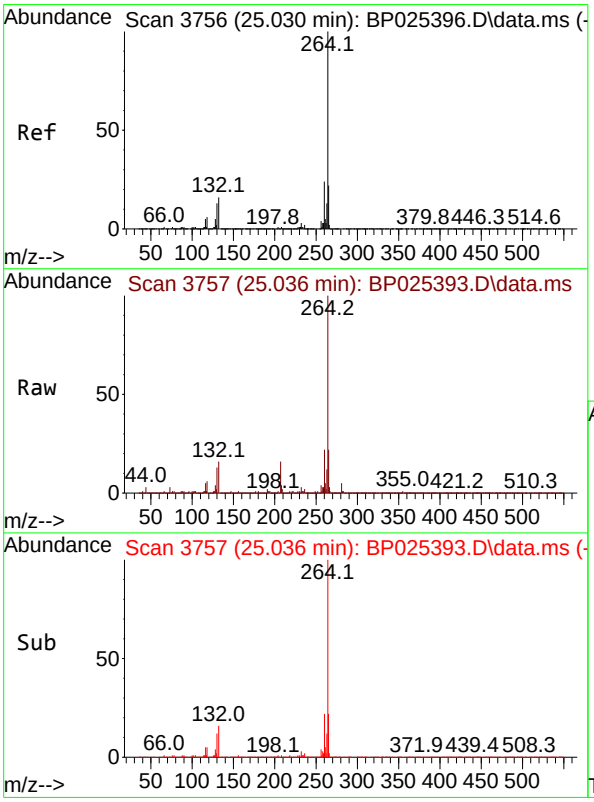
#85
Di-n-octyl phthalate
Concen: 4.898 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 313503

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.4	6.3	9.5

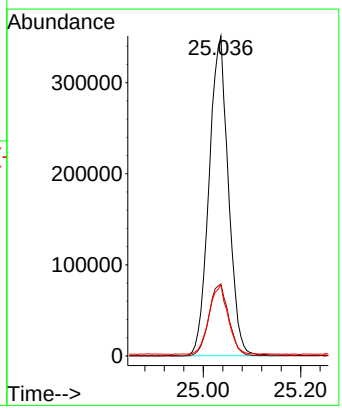


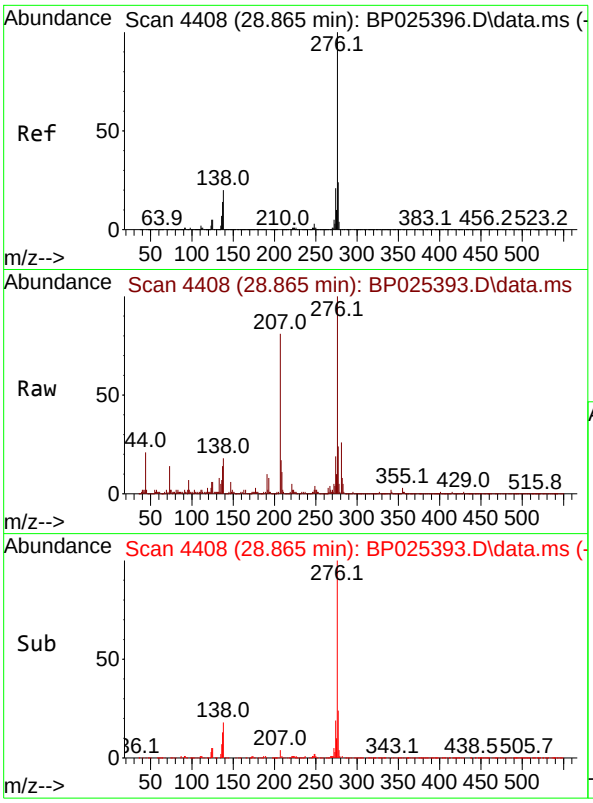


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:264 Resp: 963881

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	22.3	17.4	26.0



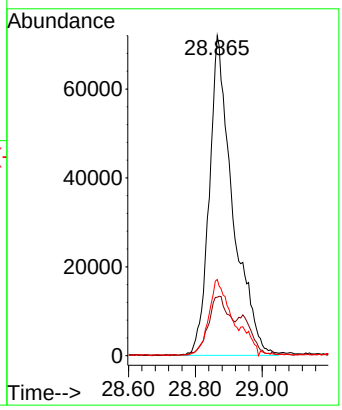


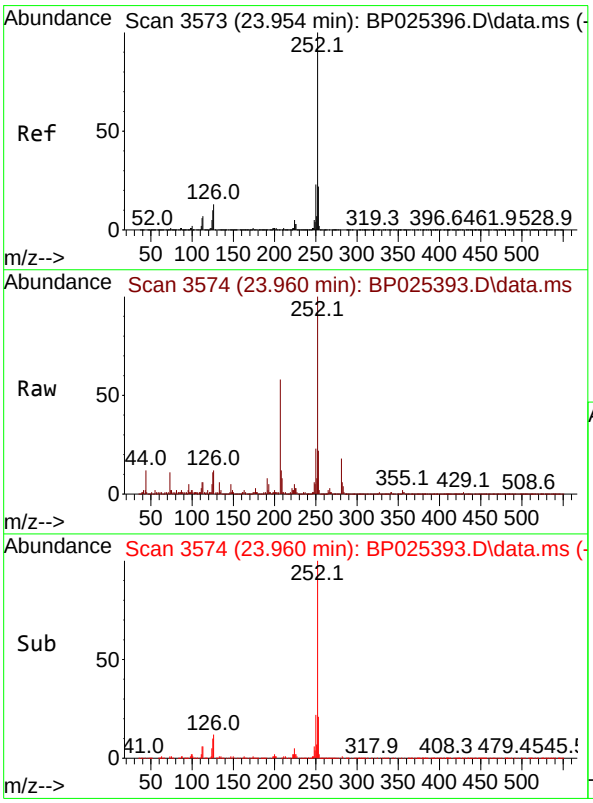
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.956 ng
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 350414

Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.9	19.3
277	20.8	17.0	25.6

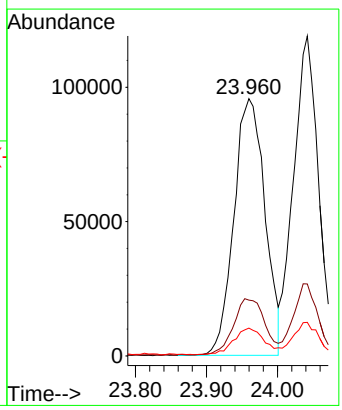


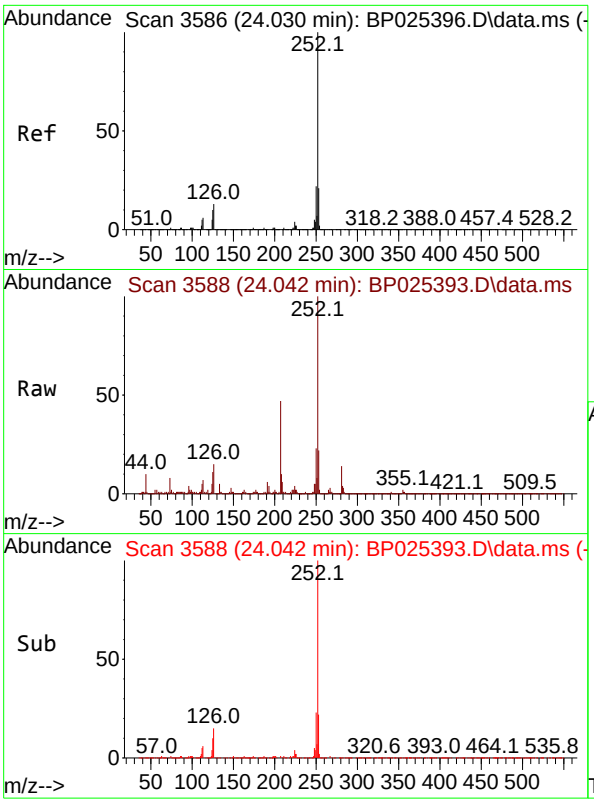


#88
Benzo(b)fluoranthene
Concen: 5.099 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 289797

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.8	7.9	11.9



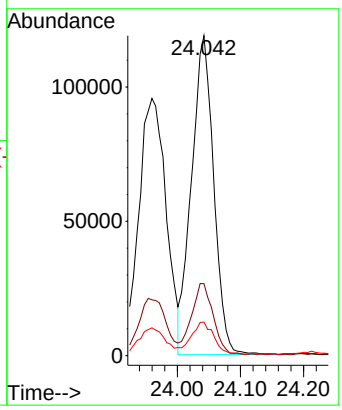


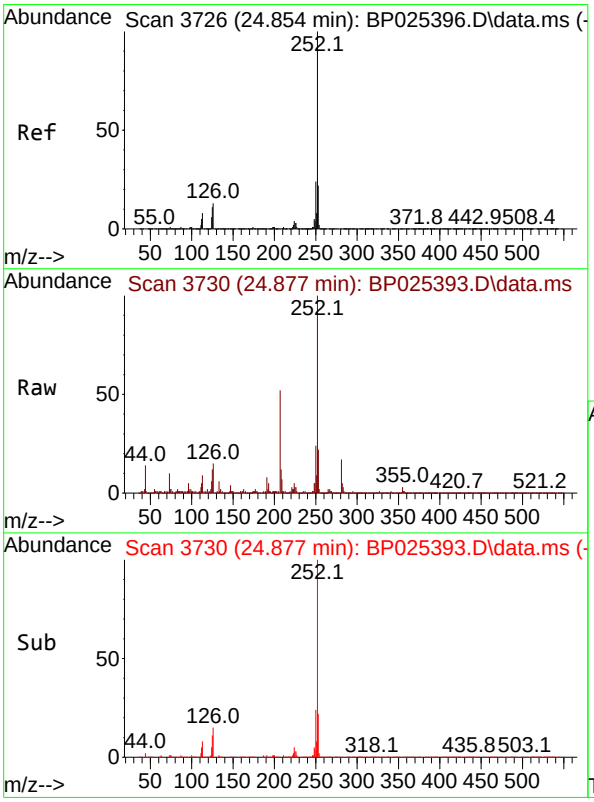
#89
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 289556

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.5	7.8	11.6

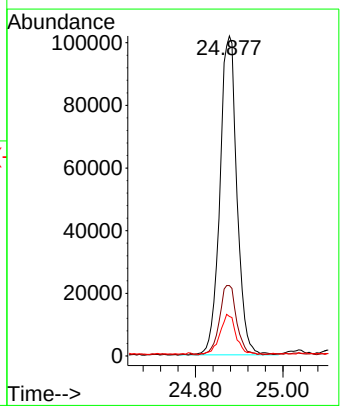


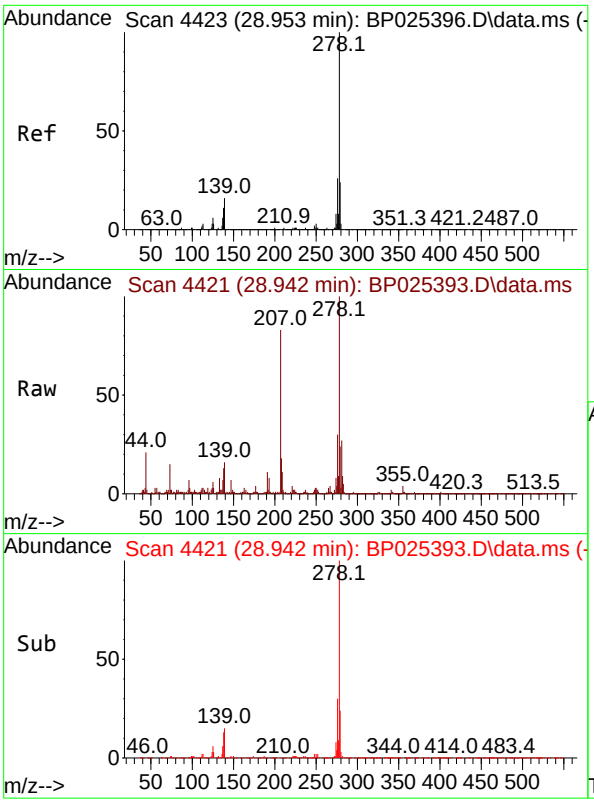


#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:252 Resp: 274440

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.4	8.7	13.1



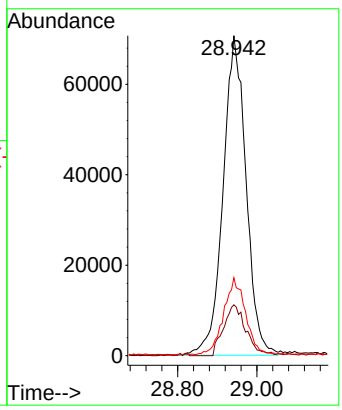


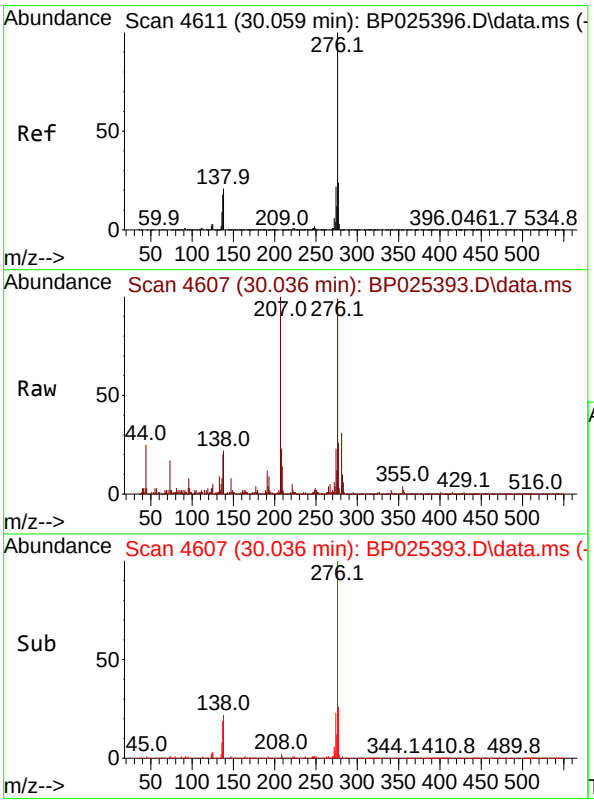
#91
Dibenzo(a,h)anthracene
Concen: 4.924 ng
RT: 28.942 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 284440

Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.4
279	24.3	19.4	29.2

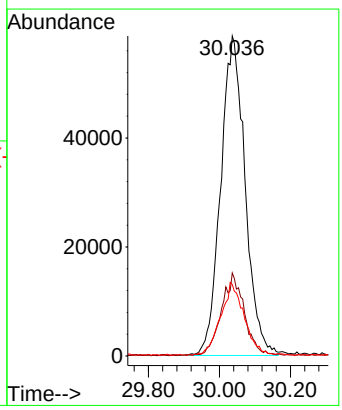




#92
Benzo(g,h,i)perylene
Concen: 4.931 ng
RT: 30.036 min Scan# 4607
Delta R.T. -0.023 min
Lab File: BP025393.D
Acq: 14 Aug 2025 13:15

Tgt Ion:276 Resp: 279987

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.0
138	22.4	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	137852	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	563995	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	383199	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	780940	20.000	ng		0.00
76) Chrysene-d12	21.648	240	860386	20.000	ng		0.00
86) Perylene-d12	25.036	264	980670	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	162289	19.551	ng		0.00
7) Phenol-d6	6.966	99	202204	19.000	ng		0.00
23) Nitrobenzene-d5	8.931	82	212236	19.036	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	99083	19.210	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	568359	20.271	ng		0.00
79) Terphenyl-d14	19.924	244	946422	20.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	31948	9.826	ng		98
3) Pyridine	3.731	79	86156	9.681	ng		100
4) n-Nitrosodimethylamine	3.637	42	35519	9.681	ng	#	99
6) Aniline	7.125	93	135217	9.430	ng		99
8) 2-Chlorophenol	7.366	128	88413	9.439	ng		98
9) Benzaldehyde	6.943	77	68523	9.190	ng		96
10) Phenol	6.996	94	105394	9.438	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	81541	9.368	ng		98
12) 1,3-Dichlorobenzene	7.684	146	98782	9.564	ng		98
13) 1,4-Dichlorobenzene	7.825	146	102729	9.731	ng		98
14) 1,2-Dichlorobenzene	8.143	146	98589	9.647	ng		98
15) Benzyl Alcohol	8.025	79	78411	9.273	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	109744	9.412	ng		99
17) 2-Methylphenol	8.231	107	70991	9.153	ng		98
18) Hexachloroethane	8.866	117	37473	9.654	ng		98
19) n-Nitroso-di-n-propyla...	8.584	70	66105	9.366	ng		99
20) 3+4-Methylphenols	8.549	107	99382	9.244	ng		97
22) Acetophenone	8.602	105	137361	9.712	ng	#	98
24) Nitrobenzene	8.972	77	96502	9.685	ng		97
25) Isophorone	9.502	82	189510	9.604	ng		99
26) 2-Nitrophenol	9.678	139	45860	8.968	ng		96
27) 2,4-Dimethylphenol	9.737	122	85465	9.718	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	114635	9.611	ng		99
29) 2,4-Dichlorophenol	10.213	162	82676	9.464	ng		97
30) 1,2,4-Trichlorobenzene	10.431	180	92664	9.676	ng		94
31) Naphthalene	10.613	128	287754	9.816	ng		99
32) Benzoic acid	9.825	122	44404	6.856	ng		93
33) 4-Chloroaniline	10.713	127	122647	9.472	ng		98
34) Hexachlorobutadiene	10.901	225	57821	9.695	ng		97
35) Caprolactam	11.472	113	32038	10.001	ng		93
36) 4-Chloro-3-methylphenol	11.837	107	94538	9.431	ng		97
37) 2-Methylnaphthalene	12.219	142	184172	9.654	ng		100
38) 1-Methylnaphthalene	12.437	142	199160	9.817	ng		97
40) 1,2,4,5-Tetrachloroben...	12.590	216	107104	9.678	ng		99
41) Hexachlorocyclopentadiene	12.572	237	52588	7.867	ng		97
43) 2,4,6-Trichlorophenol	12.831	196	69780	9.339	ng		97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	73744	9.006	ng		98
46) 1,1'-Biphenyl	13.237	154	271710	9.763	ng		98
47) 2-Chloronaphthalene	13.272	162	209419	9.666	ng		99
48) 2-Nitroaniline	13.466	65	58630	9.287	ng		97
49) Acenaphthylene	14.119	152	346021	9.652	ng		99
50) Dimethylphthalate	13.860	163	277701	9.896	ng		99
51) 2,6-Dinitrotoluene	13.972	165	54957	9.292	ng		96
52) Acenaphthene	14.472	154	218284	10.373	ng		98
53) 3-Nitroaniline	14.301	138	62991	9.466	ng		93
54) 2,4-Dinitrophenol	14.513	184	21748	6.886	ng		99
55) Dibenzofuran	14.807	168	327734	9.851	ng		100
56) 4-Nitrophenol	14.625	139	48103	8.797	ng		97
57) 2,4-Dinitrotoluene	14.766	165	77950	9.237	ng		100
58) Fluorene	15.472	166	266610	10.156	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.042	232	68931	9.533	ng		99
60) Diethylphthalate	15.242	149	282526	9.909	ng		98
61) 4-Chlorophenyl-phenyle...	15.466	204	131137	10.044	ng		99
62) 4-Nitroaniline	15.478	138	64375	9.437	ng		99
63) Azobenzene	15.766	77	234879	9.620	ng		98
65) 4,6-Dinitro-2-methylph...	15.542	198	37380	7.679	ng		97
66) n-Nitrosodiphenylamine	15.684	169	235344	9.883	ng		100
67) 4-Bromophenyl-phenylether	16.384	248	80373	9.358	ng		98
68) Hexachlorobenzene	16.501	284	98614	9.905	ng		96
69) Atrazine	16.660	200	88240	9.894	ng		98
70) Pentachlorophenol	16.854	266	52539	8.360	ng		97
71) Phenanthrene	17.248	178	429752	10.018	ng		99
72) Anthracene	17.348	178	438953	10.020	ng		100
73) Carbazole	17.619	167	410726	9.954	ng		99
74) Di-n-butylphthalate	18.219	149	490232	9.656	ng		99
75) Fluoranthene	19.330	202	516523	10.094	ng		99
77) Benzidine	19.525	184	276193	9.406	ng		99
78) Pyrene	19.707	202	542670	9.704	ng		100
80) Butylbenzylphthalate	20.660	149	239416	9.446	ng		98
81) Benzo(a)anthracene	21.624	228	560279	9.874	ng		99
82) 3,3'-Dichlorobenzidine	21.554	252	207153	9.686	ng		99
83) Chrysene	21.701	228	522411	9.831	ng		99
84) Bis(2-ethylhexyl)phtha...	21.583	149	355530	9.529	ng		99
85) Di-n-octyl phthalate	22.877	149	594195	9.259	ng		99
87) Indeno(1,2,3-cd)pyrene	28.853	276	582808	8.101	ng	#	93
88) Benzo(b)fluoranthene	23.954	252	552191	9.549	ng		99
89) Benzo(k)fluoranthene	24.018	252	567080	9.800	ng		98
90) Benzo(a)pyrene	24.854	252	535820	9.519	ng		99
91) Dibenzo(a,h)anthracene	28.959	278	551694	9.387	ng		99
92) Benzo(g,h,i)perylene	30.047	276	548117	9.489	ng		99

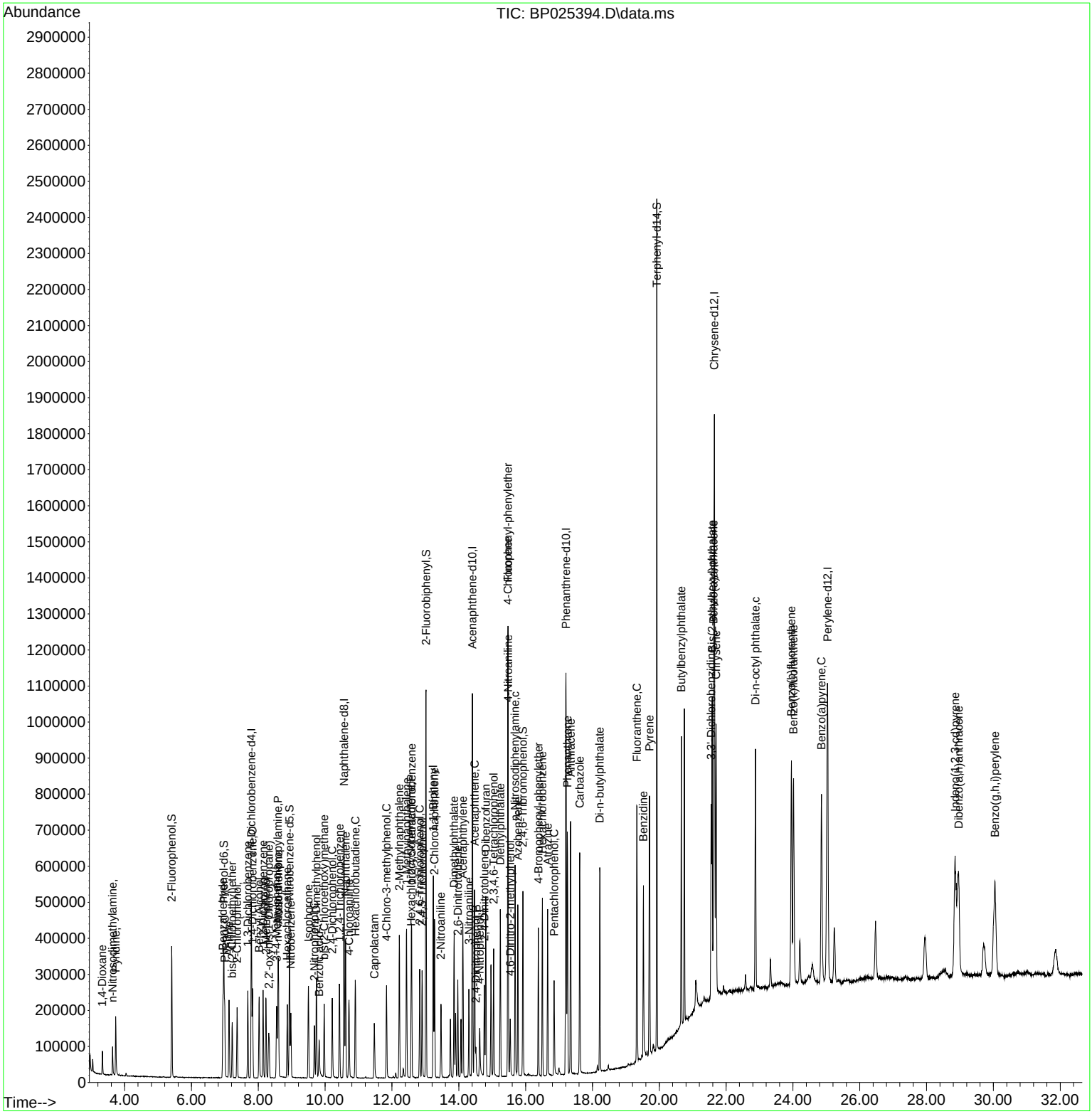
(#) = qualifier out of range (m) = manual integration (+) = signals summed

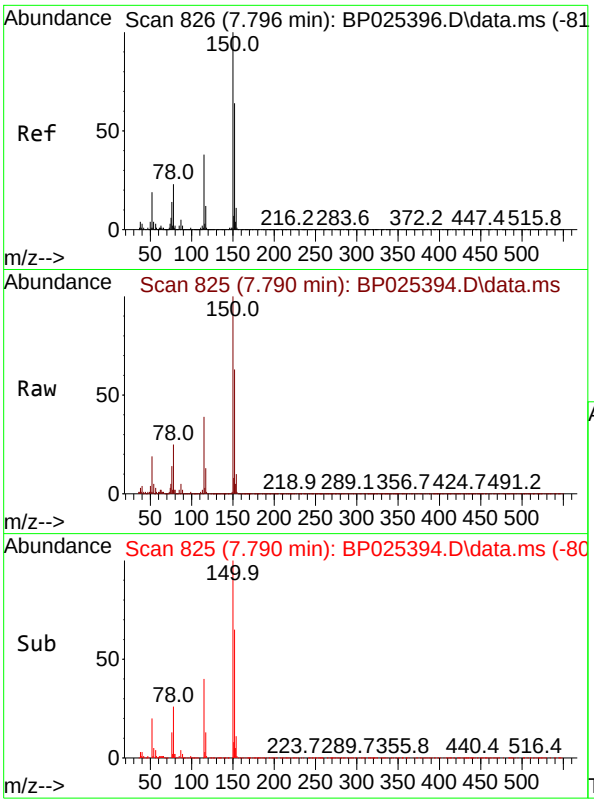
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025394.D
Acq On : 14 Aug 2025 13:56
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Aug 14 17:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



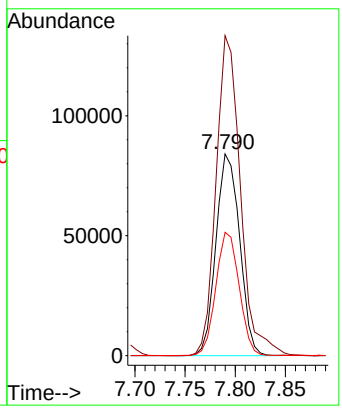


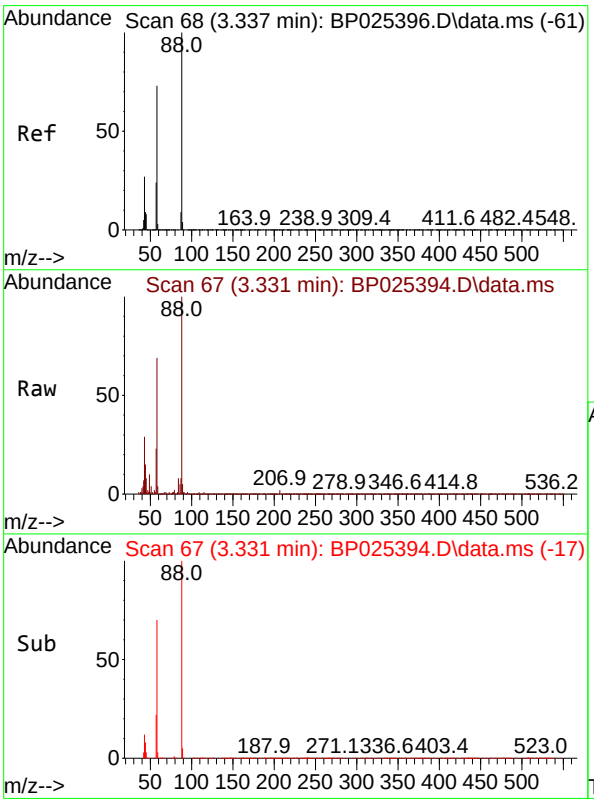
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 137852

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	61.1	48.5	72.7

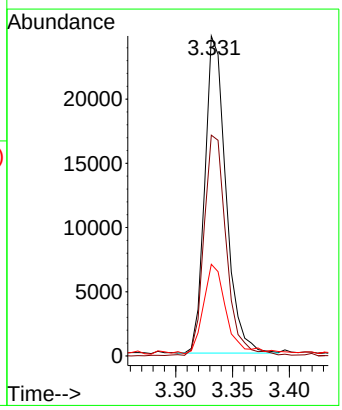


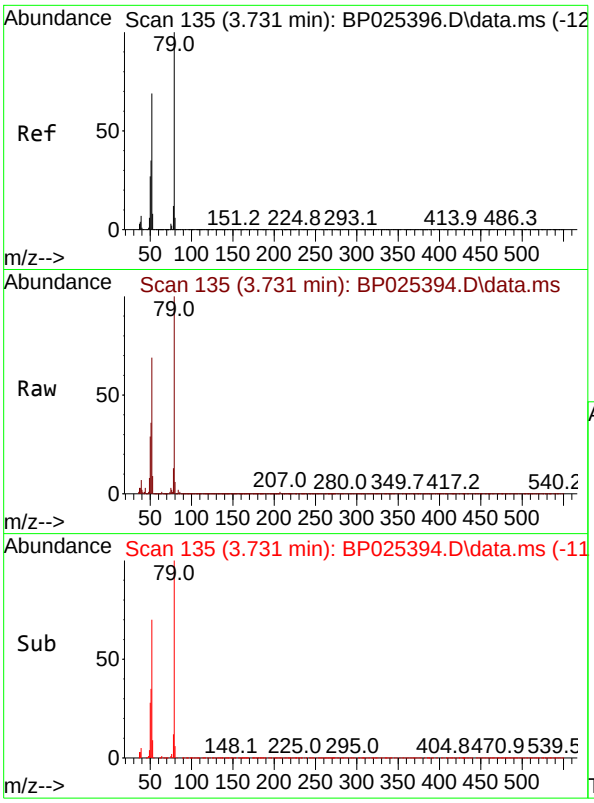


#2
1,4-Dioxane
Concen: 9.826 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 88 Resp: 31948

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	30.8	21.7	32.5



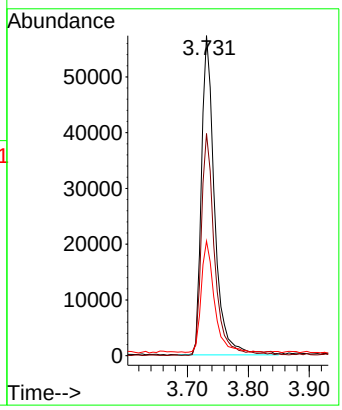


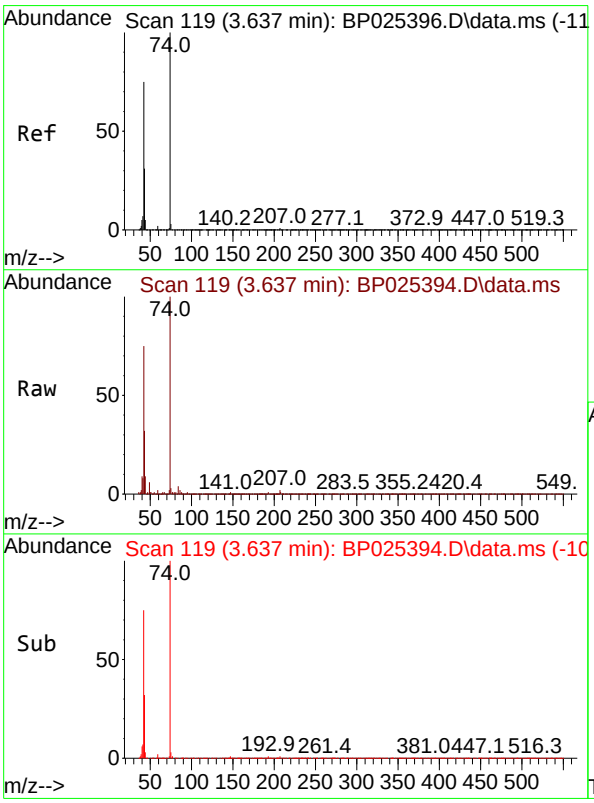
#3
Pyridine
Concen: 9.681 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 86156

Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.8	28.3	42.5

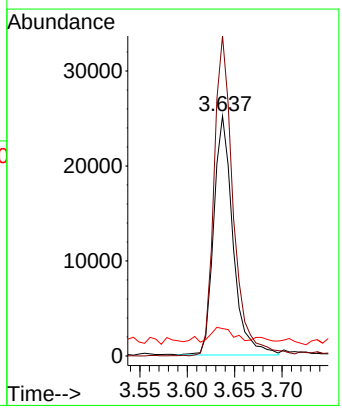


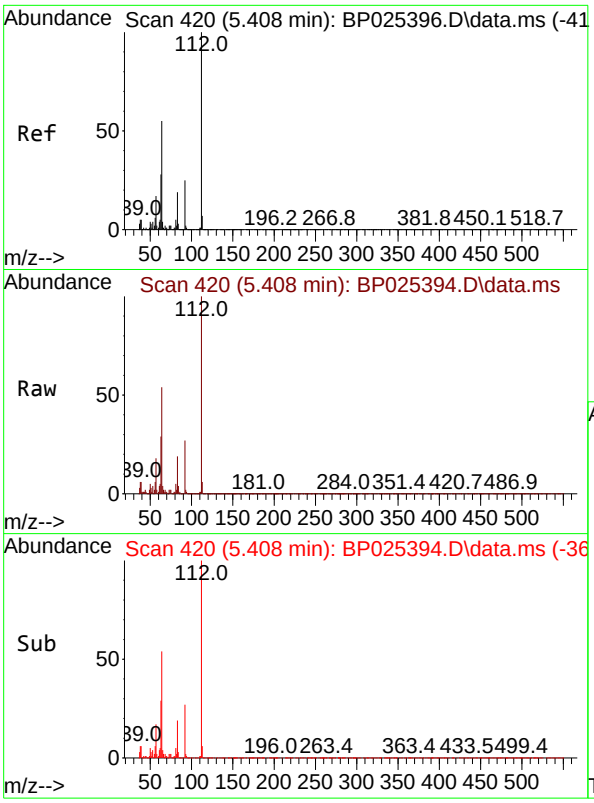


#4
n-Nitrosodimethylamine
Concen: 9.681 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 42 Resp: 35519

Ion	Ratio	Lower	Upper
42	100		
74	133.3	107.0	160.4
44	11.4	6.2	9.4#



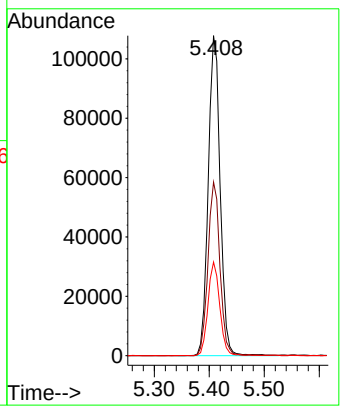


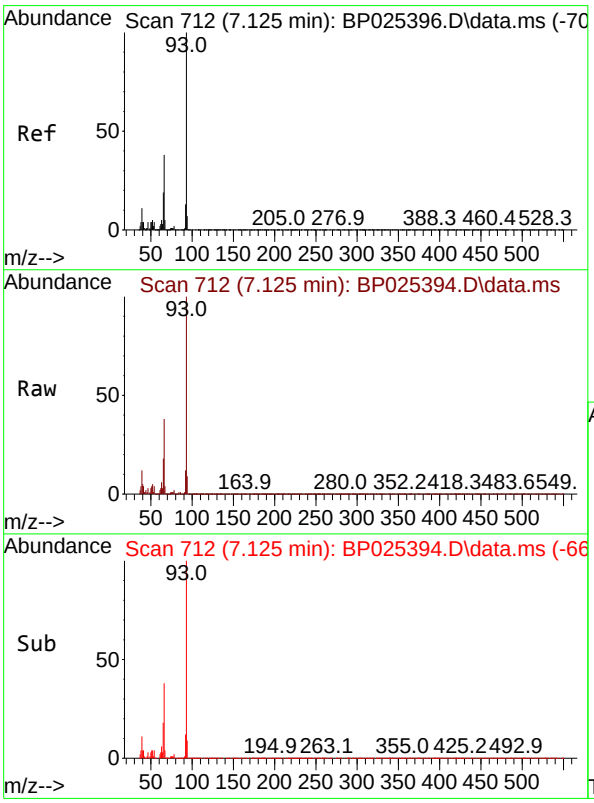
#5
2-Fluorophenol
Concen: 19.551 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 162289

Ion	Ratio	Lower	Upper
112	100		
64	54.3	43.8	65.8
63	29.3	22.7	34.1

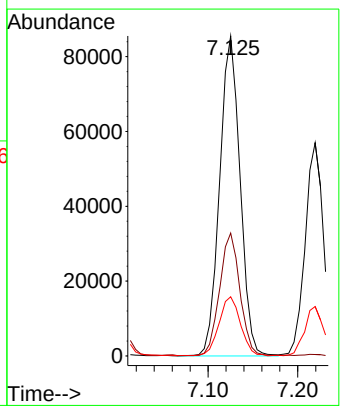


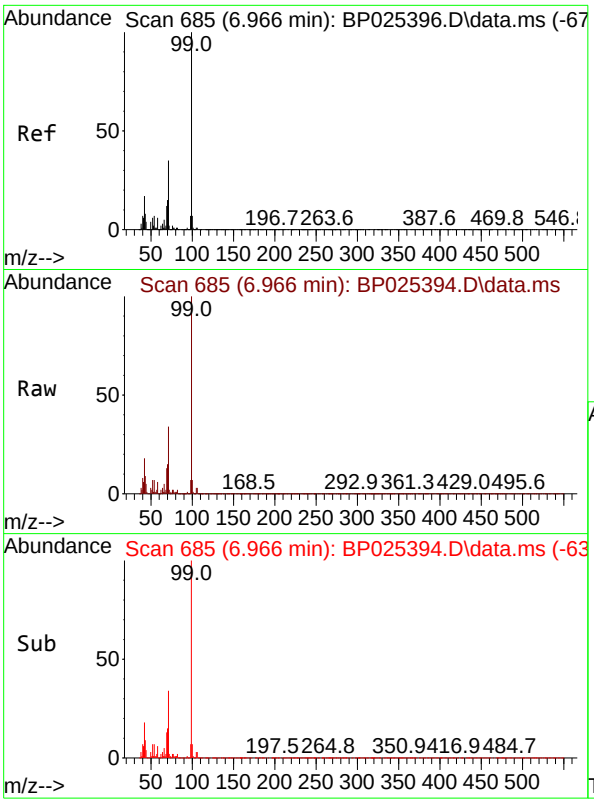


#6
Aniline
Concen: 9.430 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 135217

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.4	45.6
65	18.5	15.3	22.9



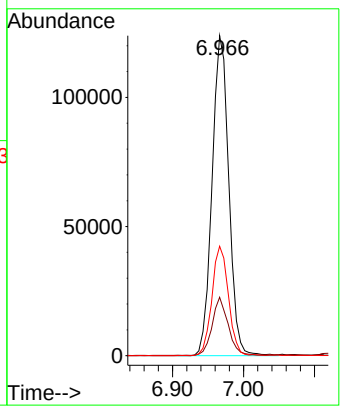


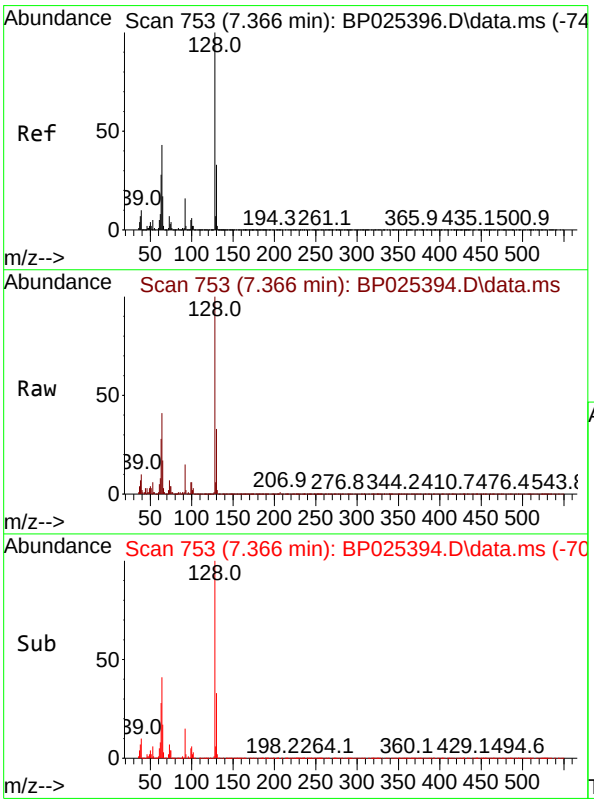
#7
Phenol-d6
Concen: 19.000 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 202204

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.7	20.5
71	34.2	28.2	42.4

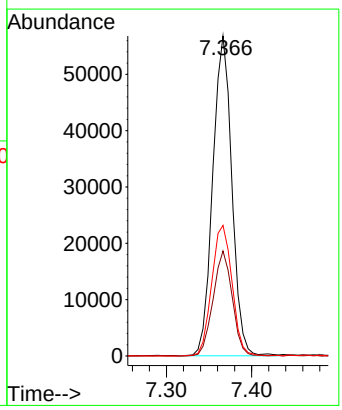


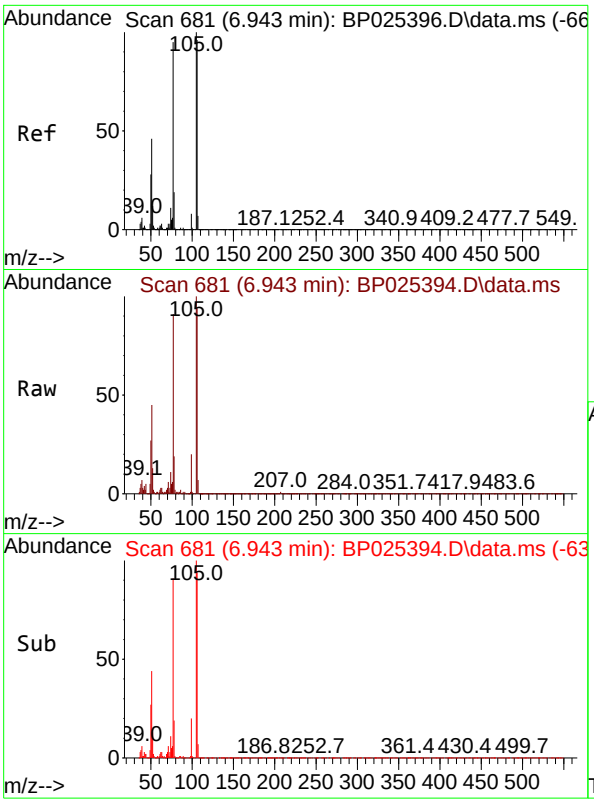


#8
2-Chlorophenol
Concen: 9.439 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:128 Resp: 88413

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	40.8	23.4	63.4



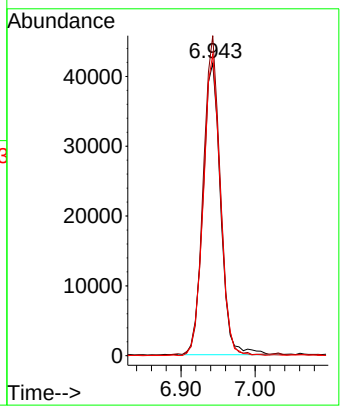


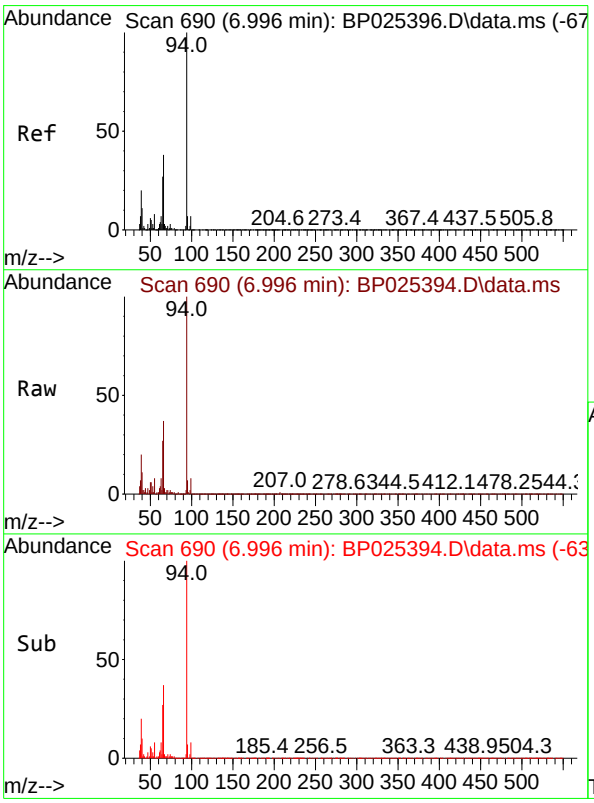
#9
Benzaldehyde
Concen: 9.190 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 68523

Ion	Ratio	Lower	Upper
77	100		
105	109.4	84.8	124.8
106	103.0	80.5	120.5

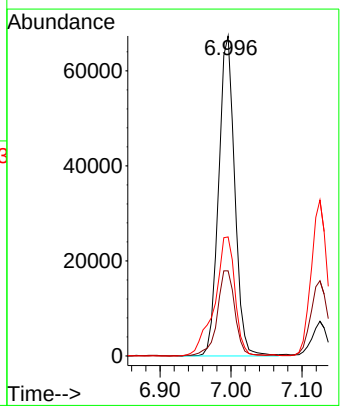


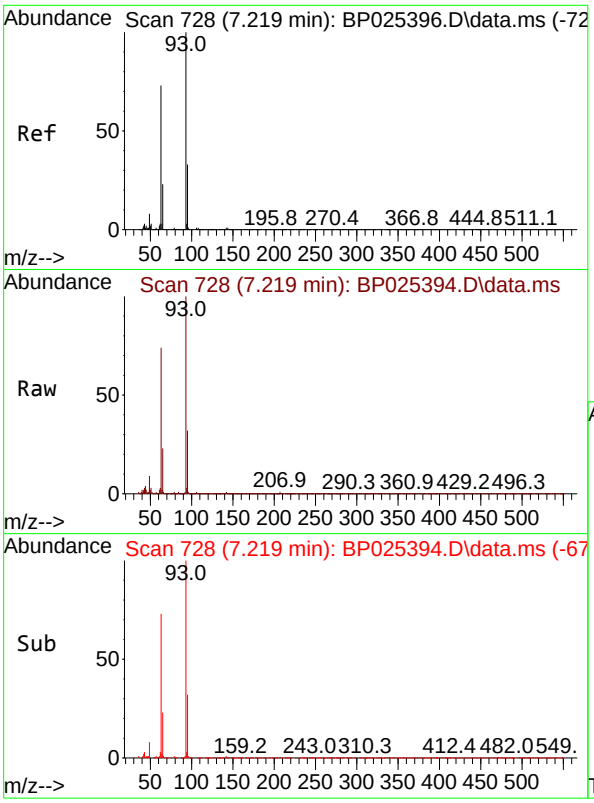


#10
Phenol
Concen: 9.438 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 94 Resp: 105394

Ion	Ratio	Lower	Upper
94	100		
65	26.6	6.8	46.8
66	37.2	18.2	58.2



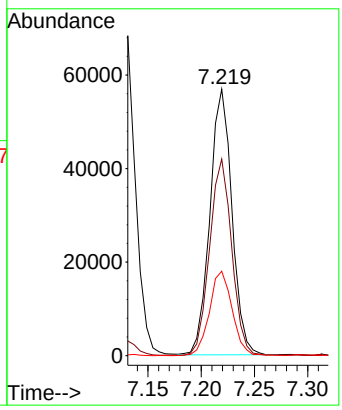


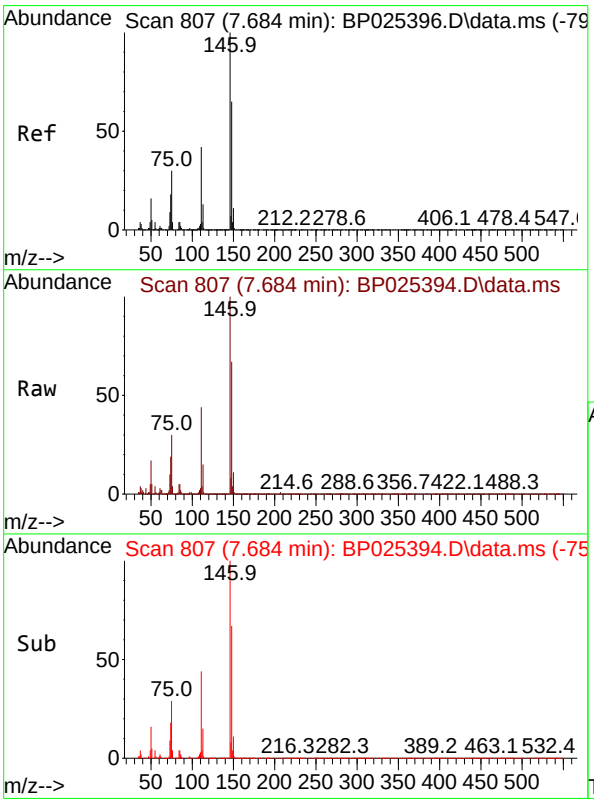
#11
bis(2-Chloroethyl)ether
Concen: 9.368 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 81541

Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	31.7	12.7	52.7

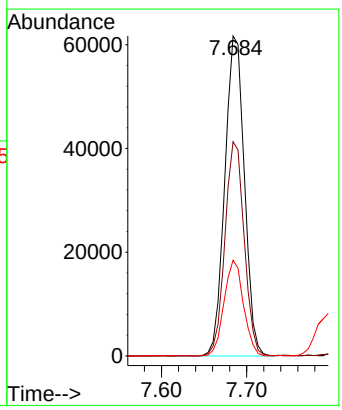


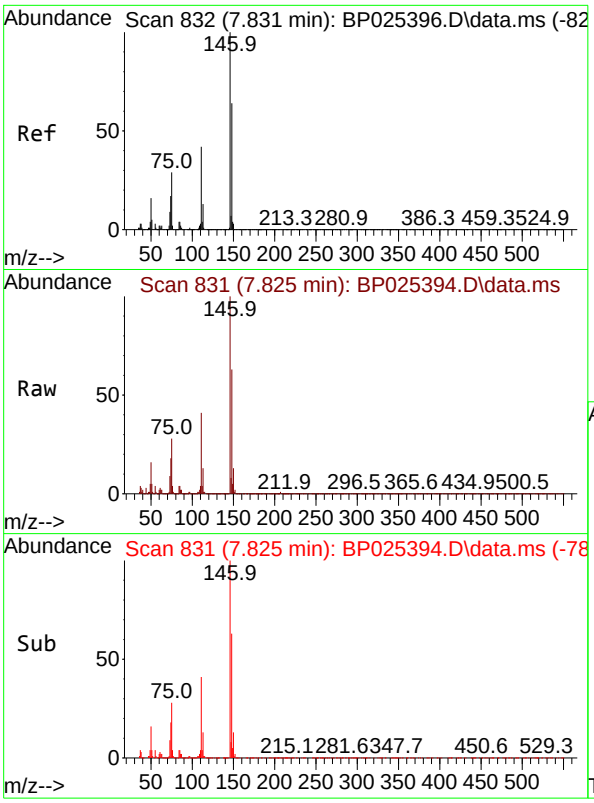


#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98782

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.9	77.9
75	29.9	23.7	35.5



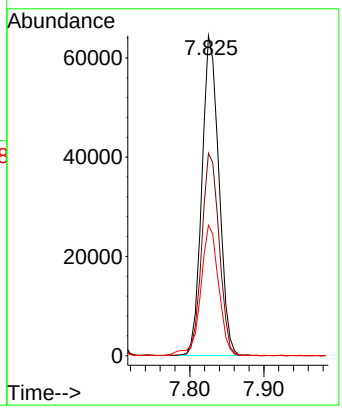


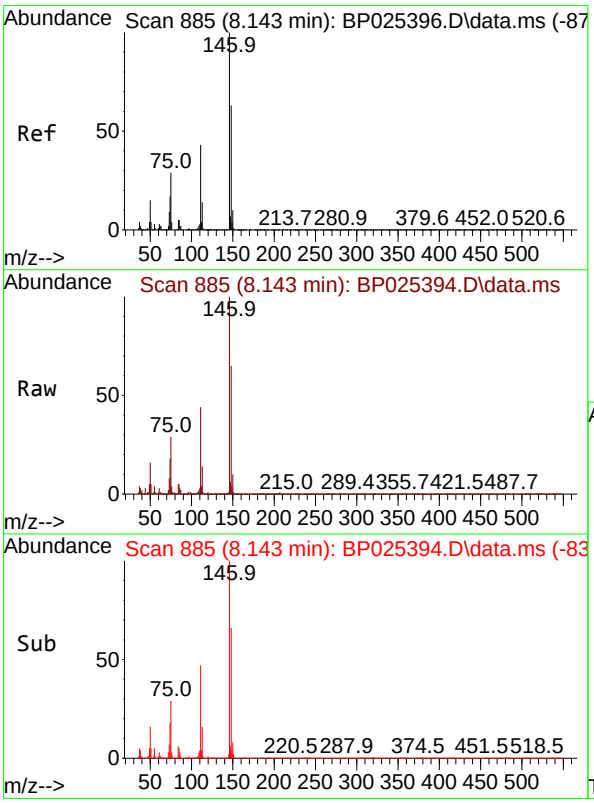
#13
1,4-Dichlorobenzene
Concen: 9.731 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 102729

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	40.8	33.4	50.0

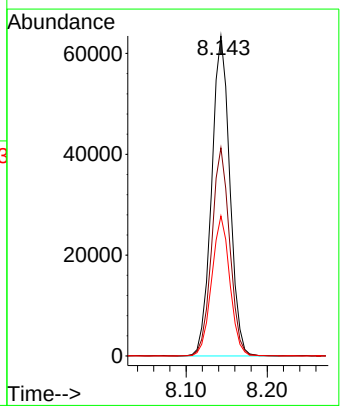


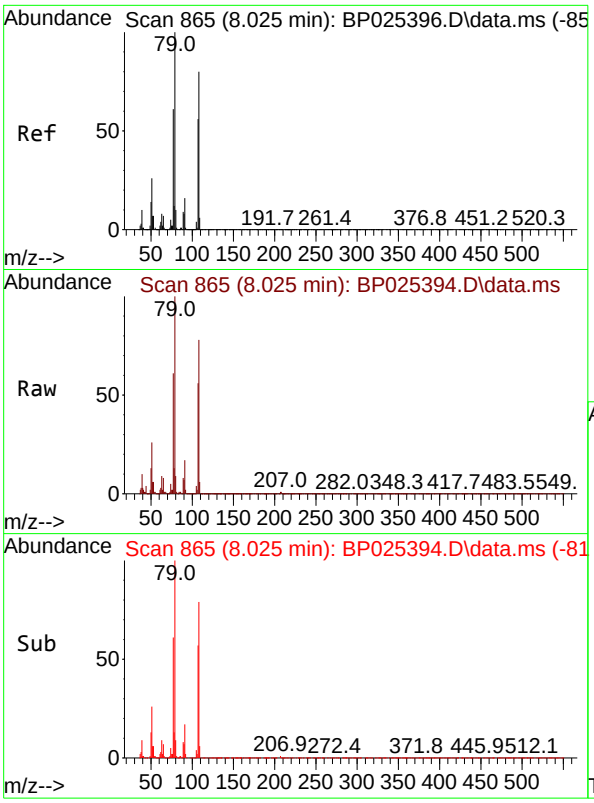


#14
1,2-Dichlorobenzene
Concen: 9.647 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:146 Resp: 98589

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.4	75.6
111	43.7	34.5	51.7



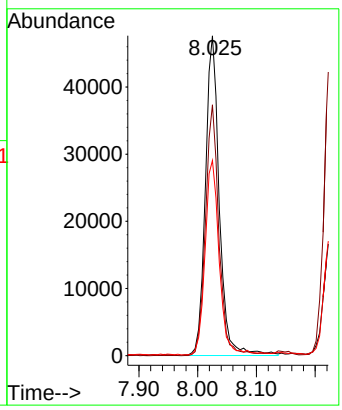


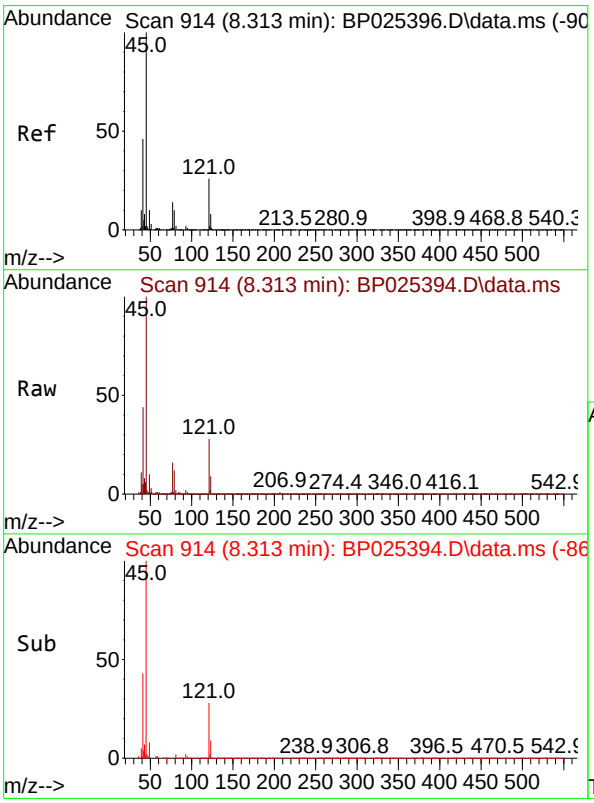
#15
Benzyl Alcohol
Concen: 9.273 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 78411

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	61.0	49.0	73.4

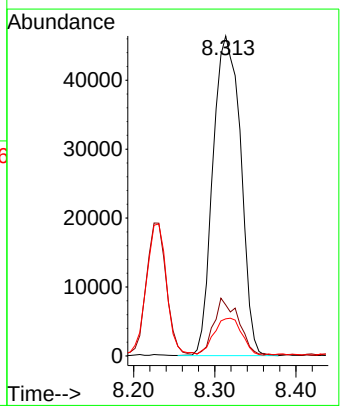


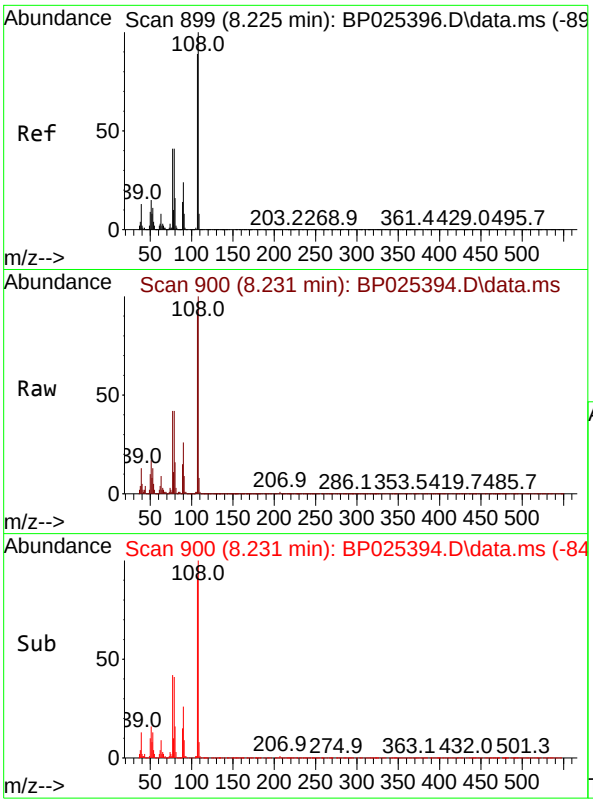


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.412 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 45 Resp: 109744

Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	35.3
79	11.6	0.0	31.8



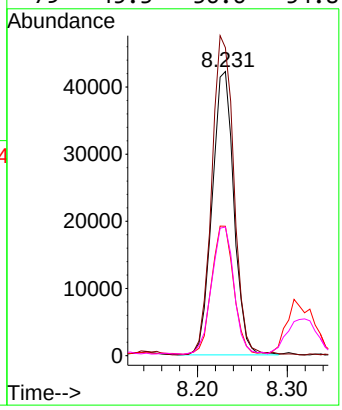


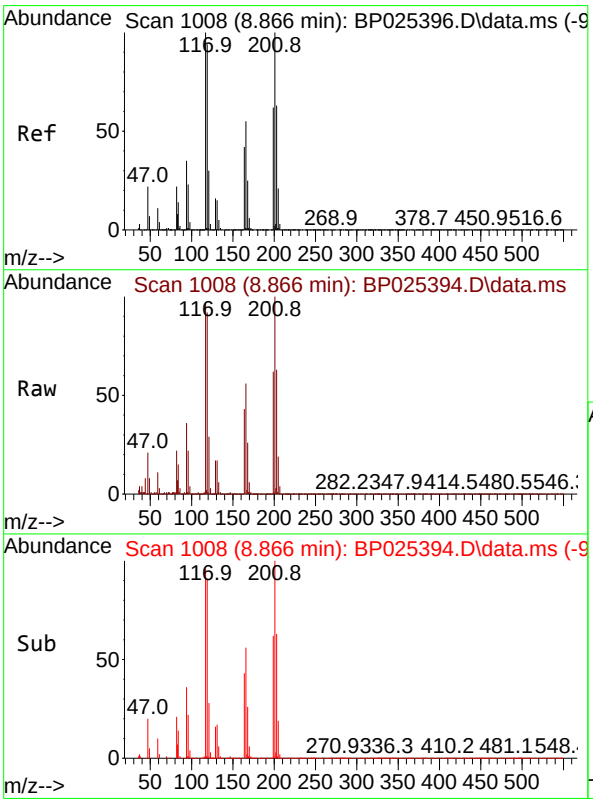
#17
2-Methylphenol
Concen: 9.153 ng
RT: 8.231 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 70991

Ion	Ratio	Lower	Upper
107	100		
108	108.4	89.4	134.0
77	45.5	36.3	54.5
79	45.3	36.6	54.8

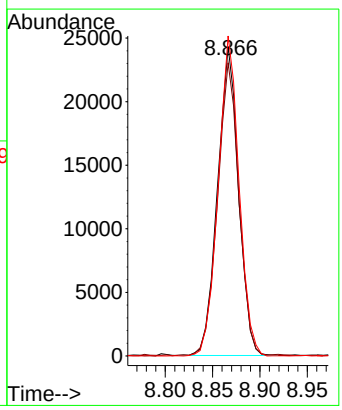


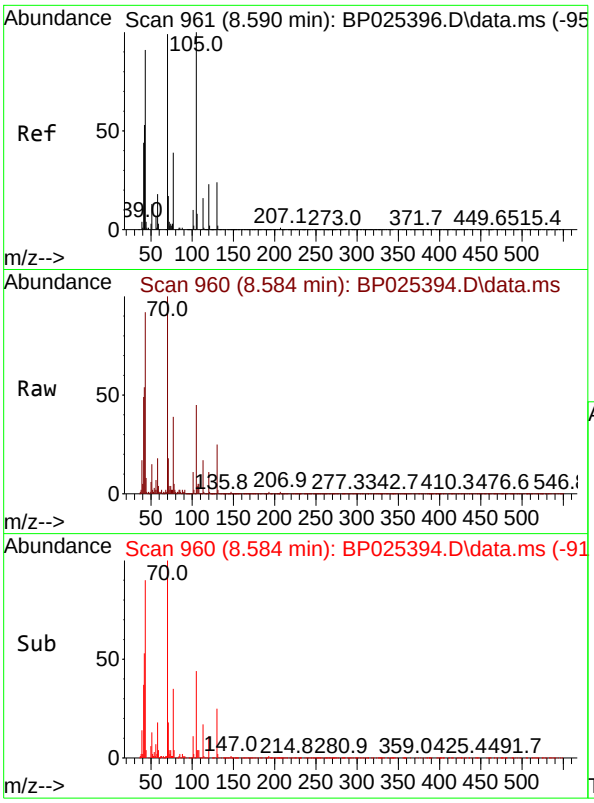


#18
Hexachloroethane
Concen: 9.654 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:117 Resp: 37473

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.1	112.7
201	103.5	80.1	120.1



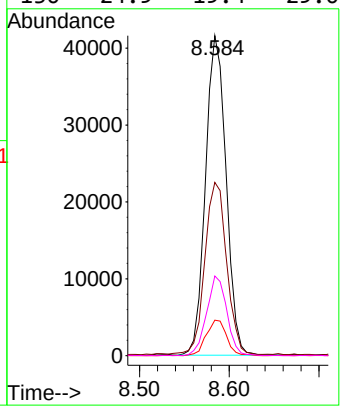


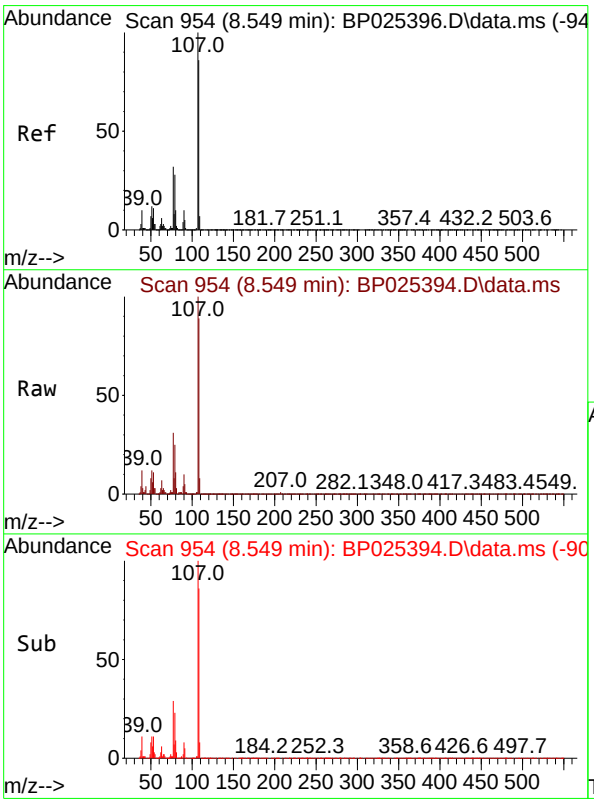
#19
n-Nitroso-di-n-propylamine
Concen: 9.366 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 66105

Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.1	8.5	12.7
130	24.9	19.4	29.0

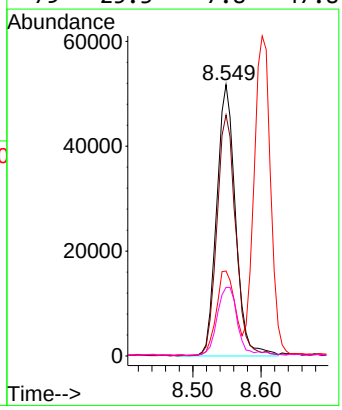


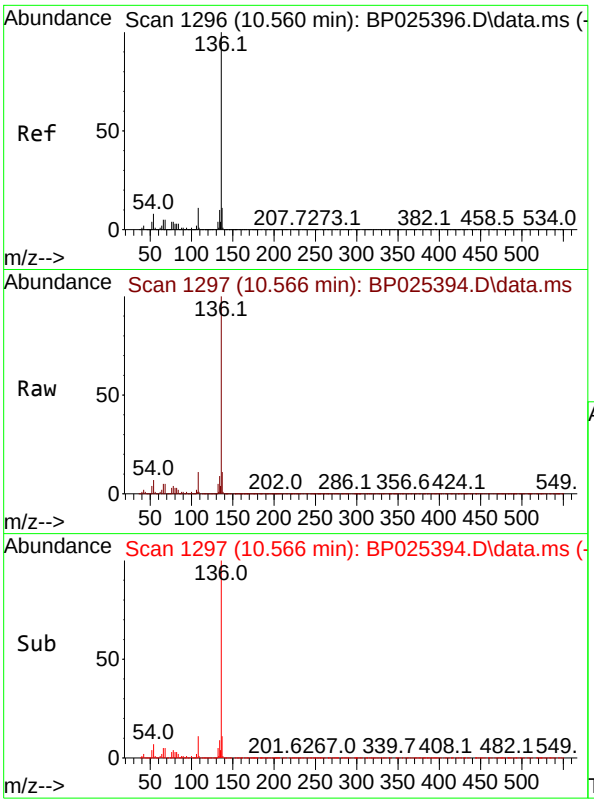


#20
3+4-Methylphenols
Concen: 9.244 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 99382

Ion	Ratio	Lower	Upper
107	100		
108	88.8	66.3	106.3
77	31.3	12.3	52.3
79	25.3	7.8	47.8



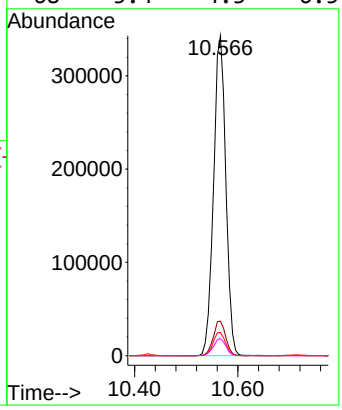


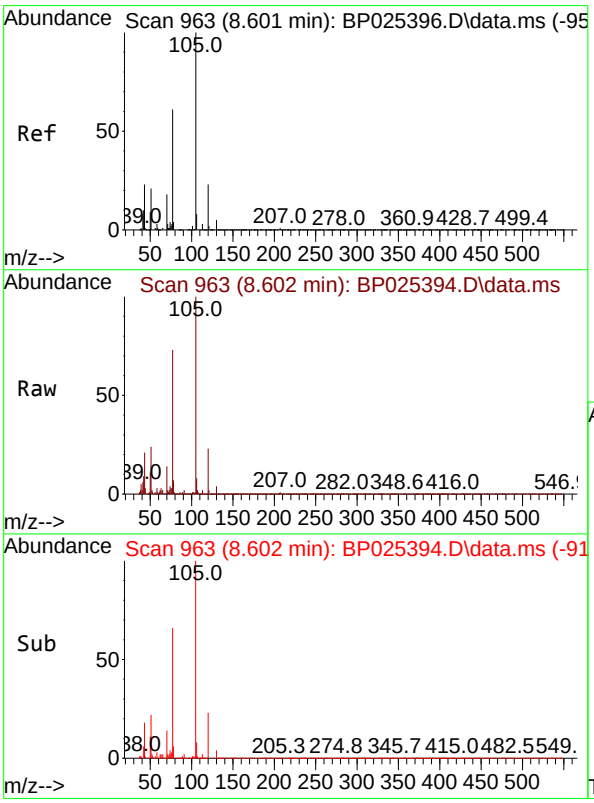
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 563995

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.3	6.0	9.0
68	5.4	4.3	6.5

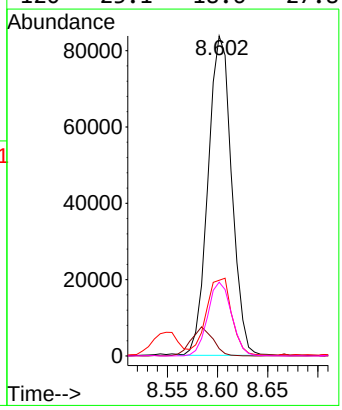


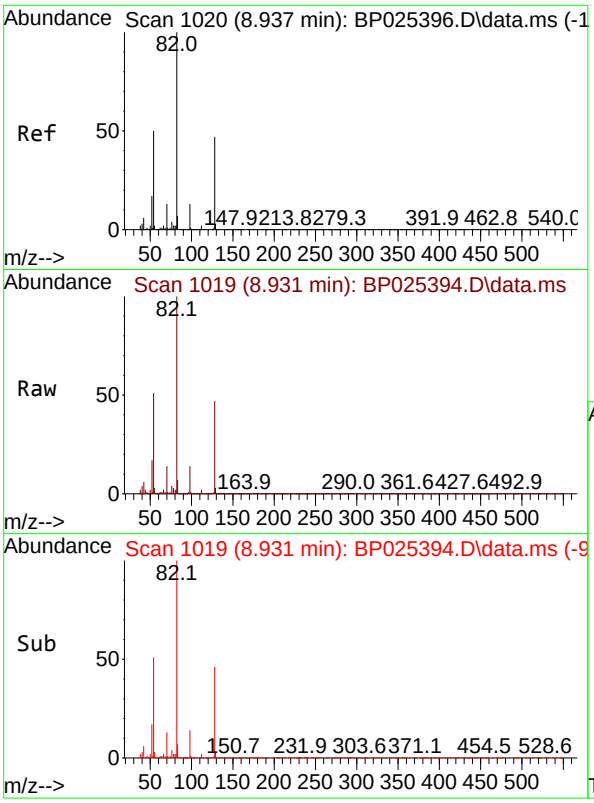


#22
Acetophenone
Concen: 9.712 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:105 Resp: 137361

Ion	Ratio	Lower	Upper
105	100		
71	2.3	2.6	4.0#
51	23.7	20.6	30.8
120	23.1	18.6	27.8



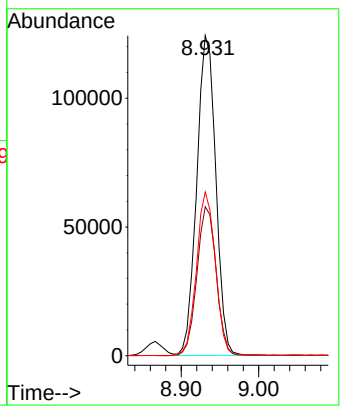


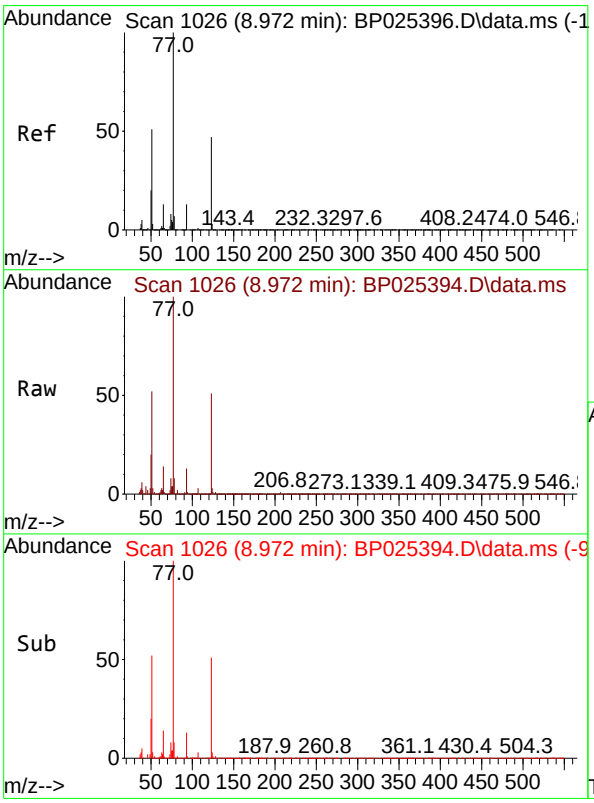
#23
Nitrobenzene-d5
Concen: 19.036 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 212236

Ion	Ratio	Lower	Upper
82	100		
128	46.6	37.7	56.5
54	51.2	39.8	59.6

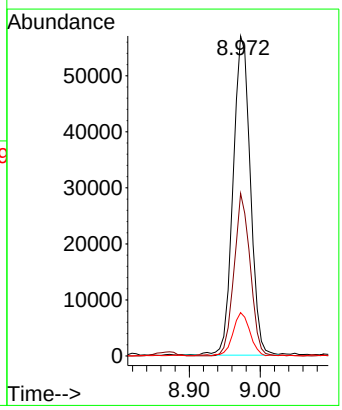


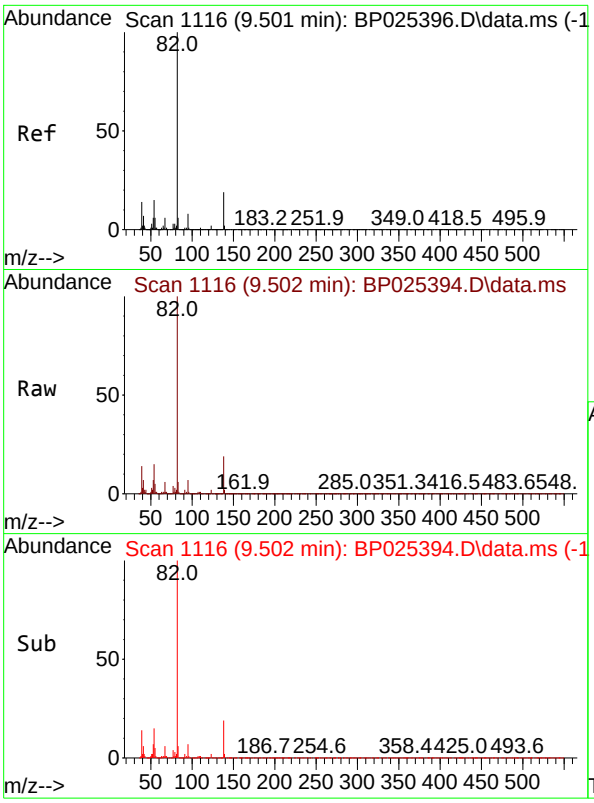


#24
Nitrobenzene
Concen: 9.685 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 77 Resp: 96502

Ion	Ratio	Lower	Upper
77	100		
123	50.8	38.6	58.0
65	13.6	10.6	15.8



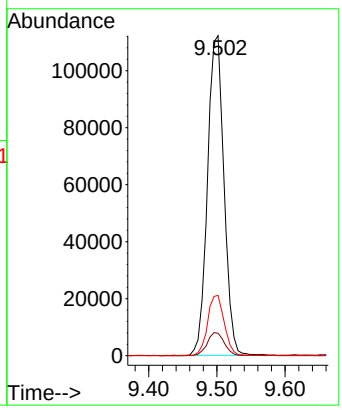


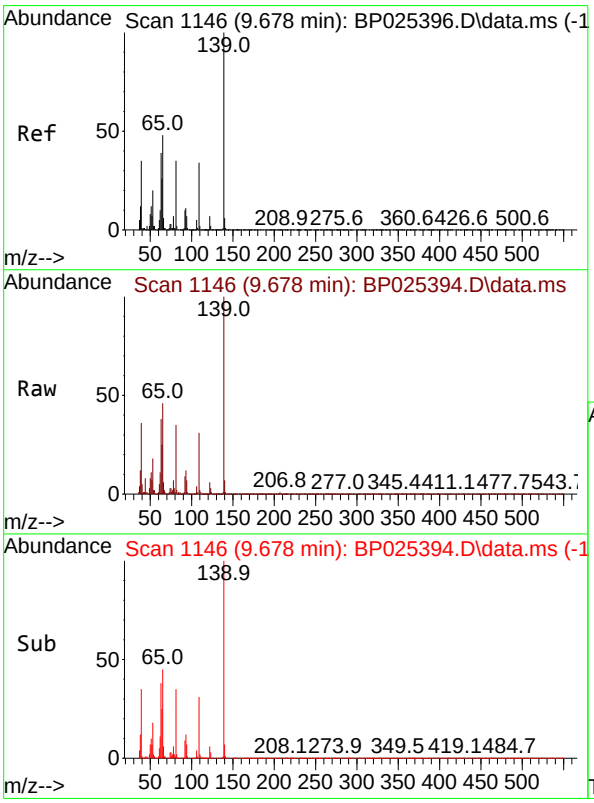
#25
Isophorone
Concen: 9.604 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 189510

Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.4	9.6
138	18.8	15.4	23.0

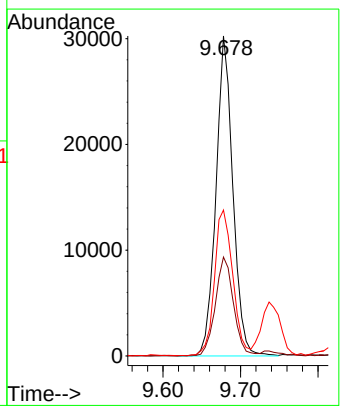


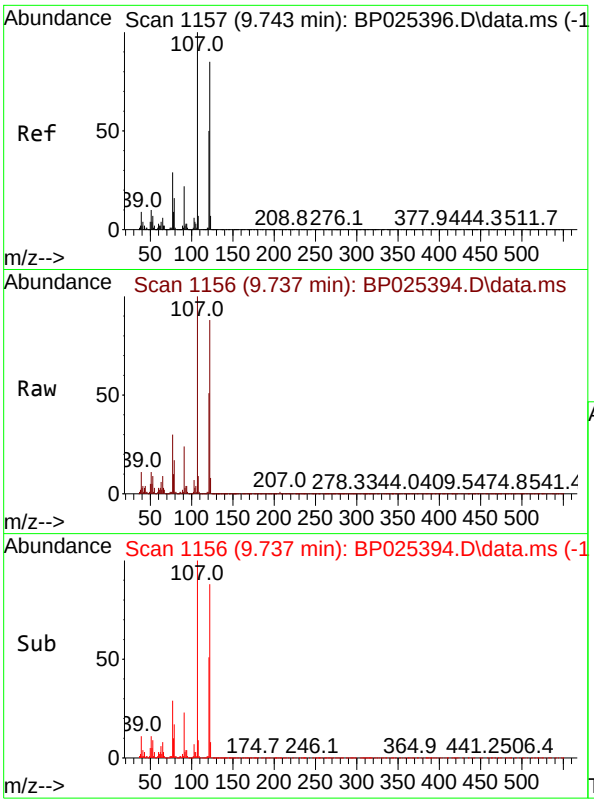


#26
2-Nitrophenol
Concen: 8.968 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 45860

Ion	Ratio	Lower	Upper
139	100		
109	30.9	26.9	40.3
65	45.6	38.3	57.5



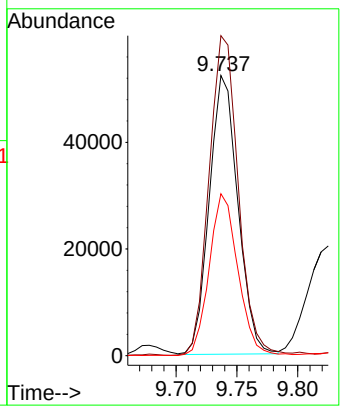


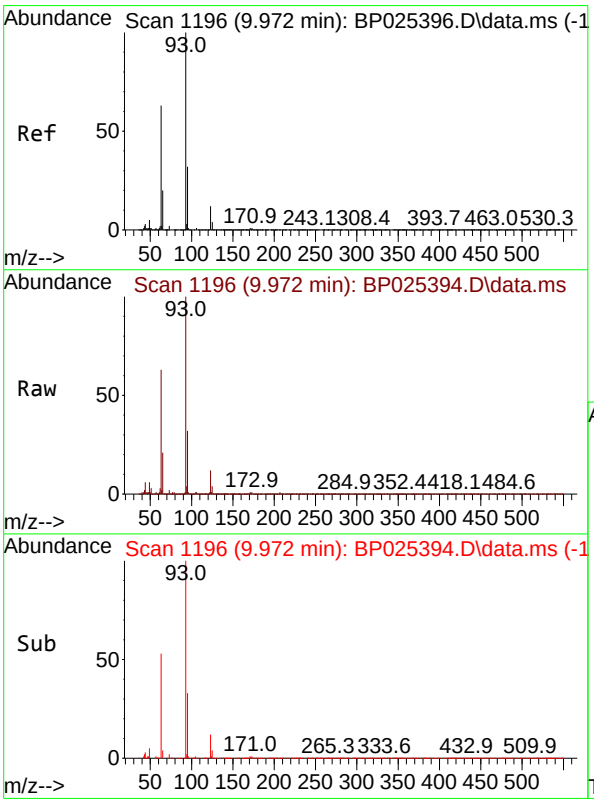
#27
2,4-Dimethylphenol
Concen: 9.718 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 85465

Ion	Ratio	Lower	Upper
122	100		
107	114.2	93.7	140.5
121	57.8	46.6	69.8

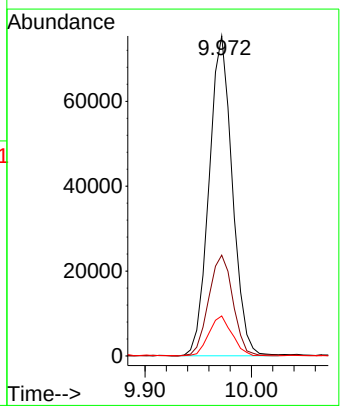


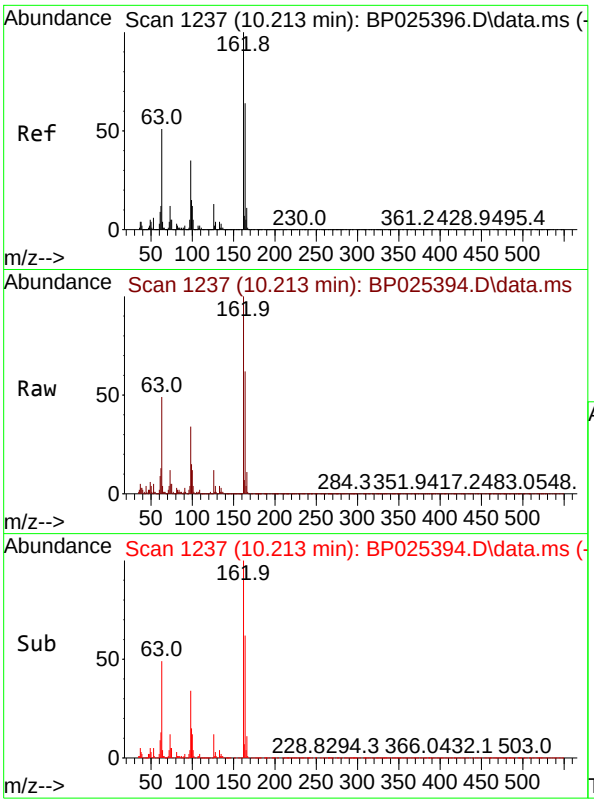


#28
bis(2-Chloroethoxy)methane
Concen: 9.611 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 93 Resp: 114635

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.4	38.0
123	12.5	9.4	14.0



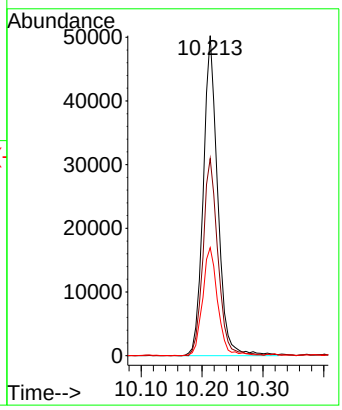


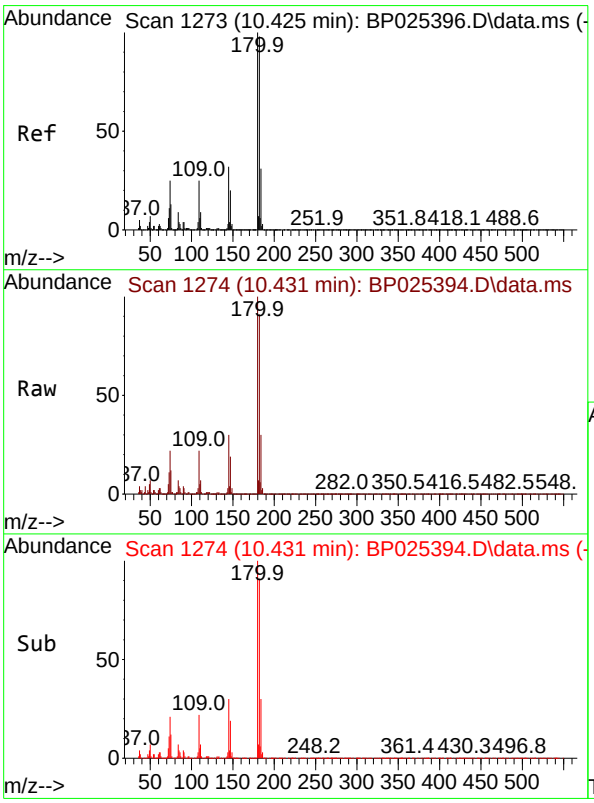
#29
2,4-Dichlorophenol
Concen: 9.464 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 82676

Ion	Ratio	Lower	Upper
162	100		
164	61.6	44.4	84.4
98	33.8	14.9	54.9

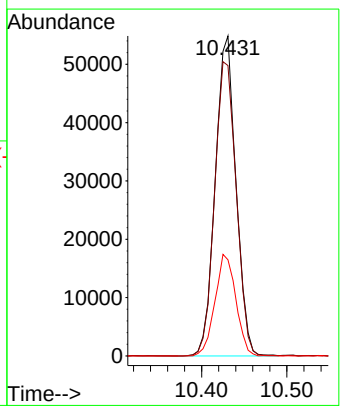


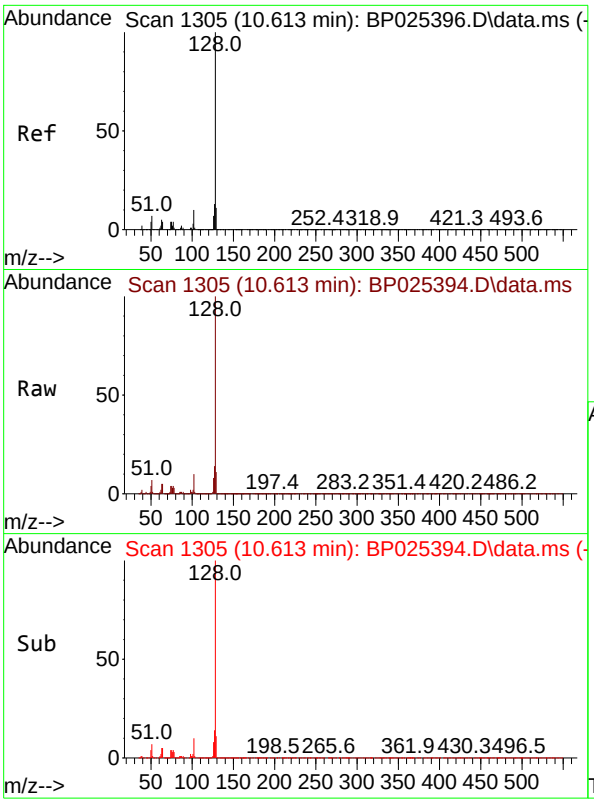


#30
1,2,4-Trichlorobenzene
Concen: 9.676 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:180 Resp: 92664

Ion	Ratio	Lower	Upper
180	100		
182	90.7	78.0	117.0
145	30.1	25.9	38.9



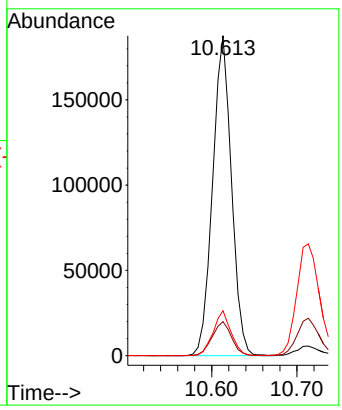


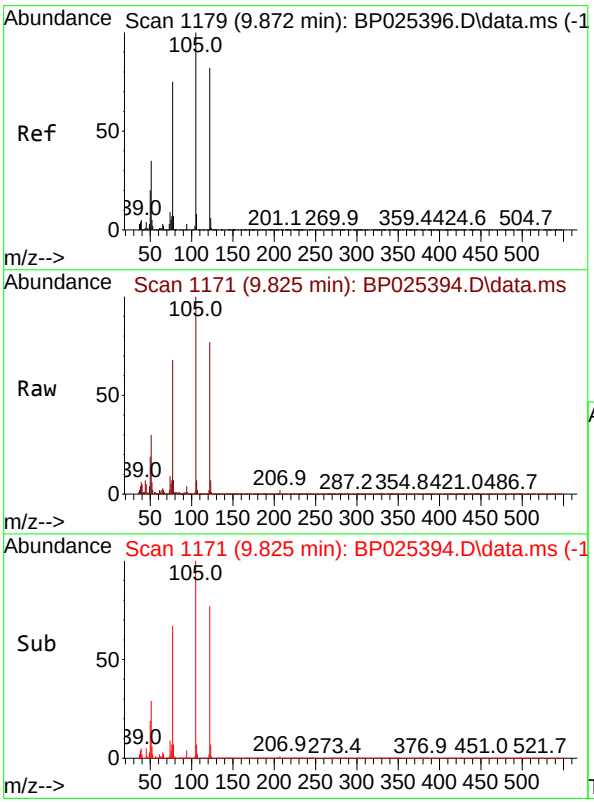
#31
Naphthalene
Concen: 9.816 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 287754

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	14.0	10.7	16.1

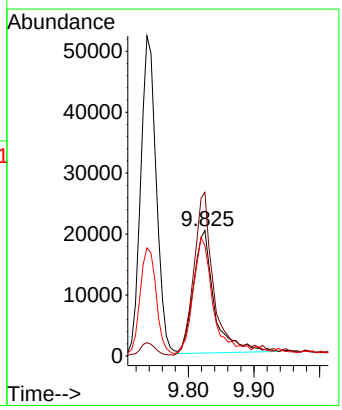


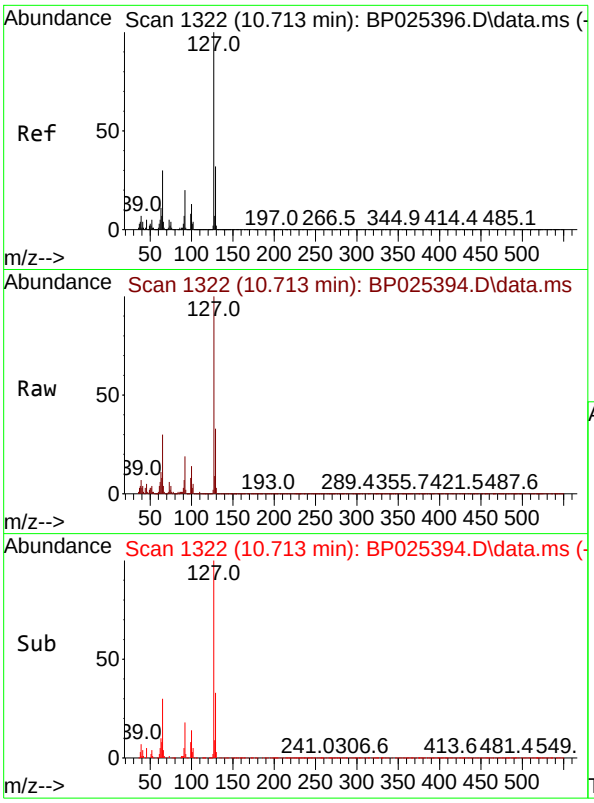


#32
Benzoic acid
Concen: 6.856 ng
RT: 9.825 min Scan# 1171
Delta R.T. -0.047 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:122 Resp: 44404

Ion	Ratio	Lower	Upper
122	100		
105	130.4	100.6	140.6
77	88.0	71.5	111.5



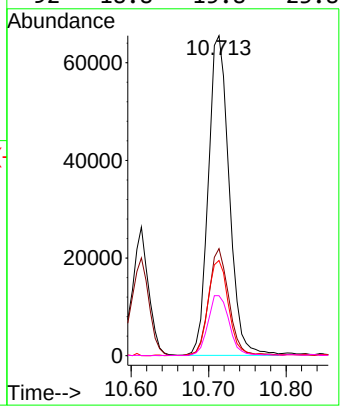


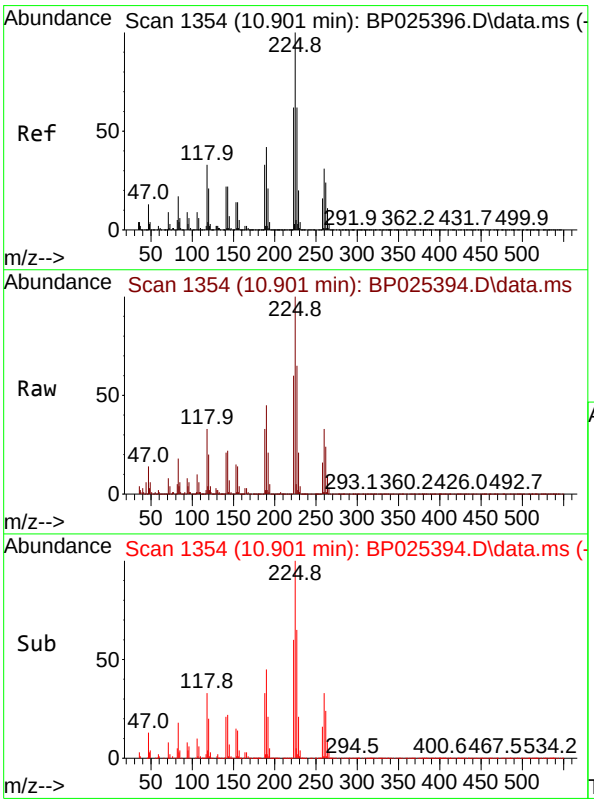
#33
4-Chloroaniline
Concen: 9.472 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 122647

Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.4	38.2
65	29.7	23.8	35.6
92	18.8	15.8	23.8

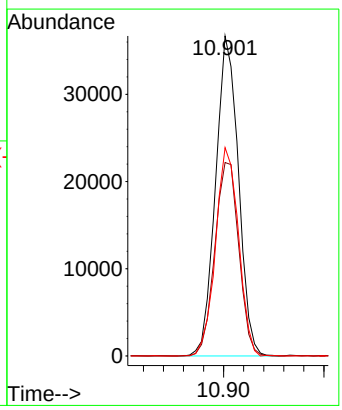


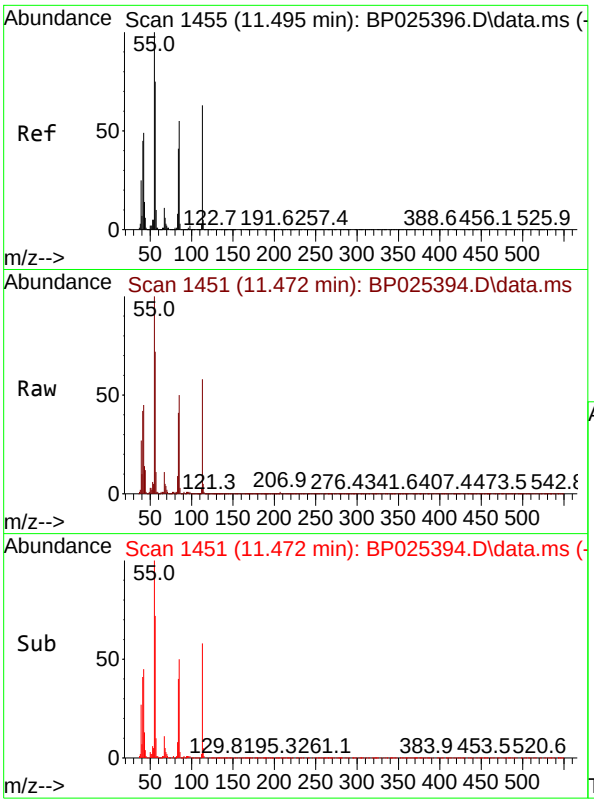


#34
Hexachlorobutadiene
Concen: 9.695 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:225 Resp: 57821

Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.0	75.0
227	65.1	49.7	74.5



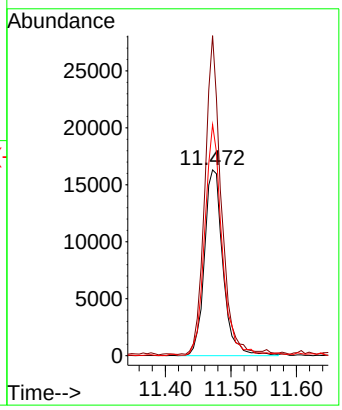


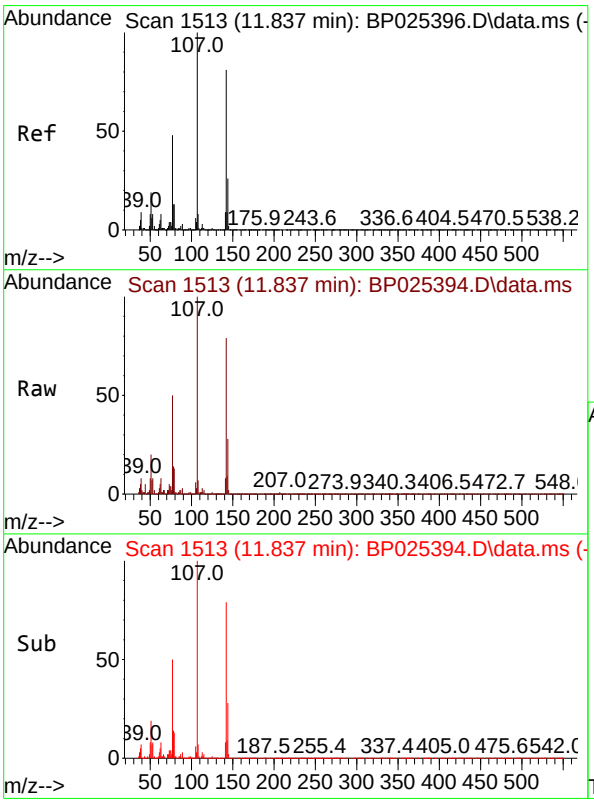
#35
Caprolactam
Concen: 10.001 ng
RT: 11.472 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 32038

Ion	Ratio	Lower	Upper
113	100		
55	172.3	140.0	180.0
56	124.4	100.0	140.0

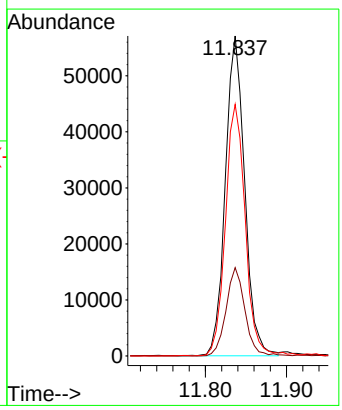


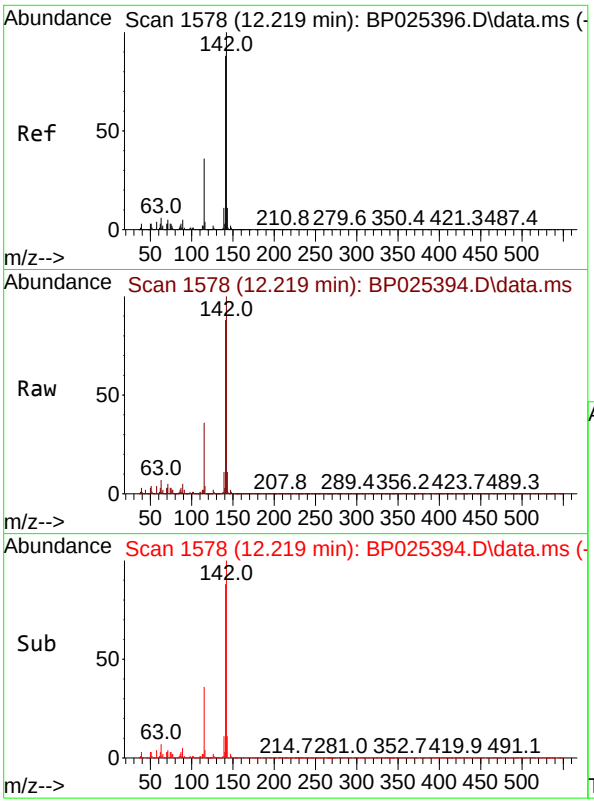


#36
4-Chloro-3-methylphenol
Concen: 9.431 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:107 Resp: 94538

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.0	31.4
142	78.6	64.6	97.0



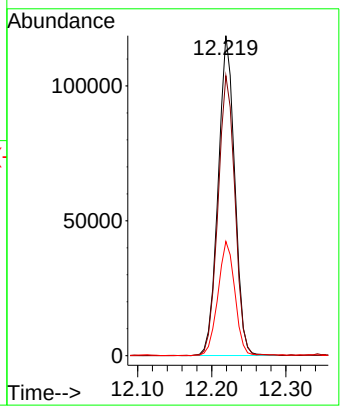


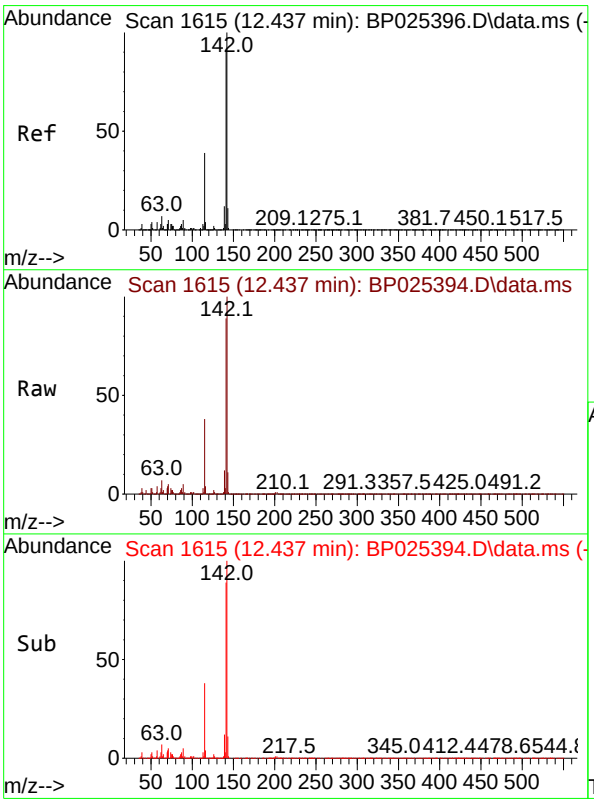
#37
2-Methylnaphthalene
Concen: 9.654 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 184172

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	35.7	28.9	43.3

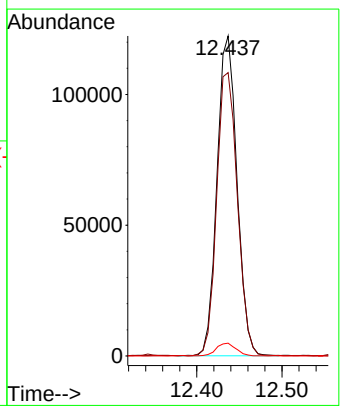


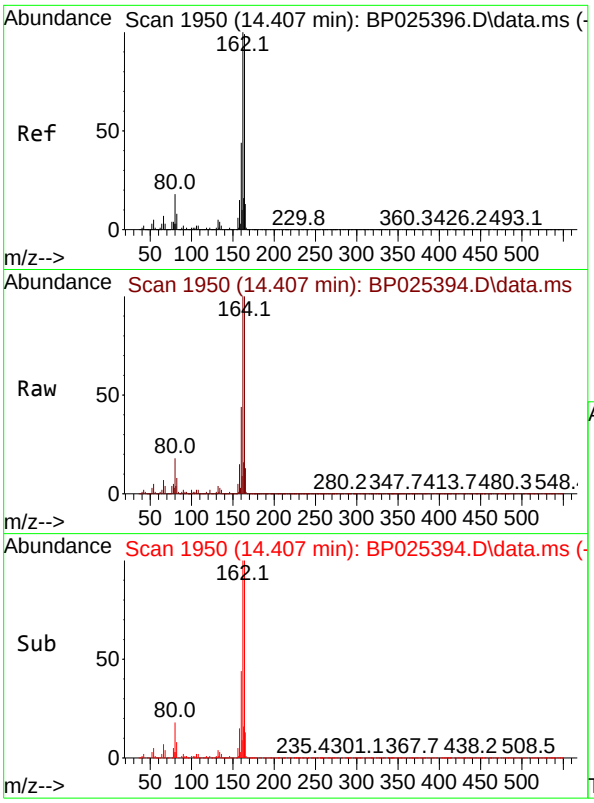


#38
1-Methylnaphthalene
Concen: 9.817 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:142 Resp: 199160

Ion	Ratio	Lower	Upper
142	100		
141	88.6	73.1	109.7
116	4.0	3.2	4.8



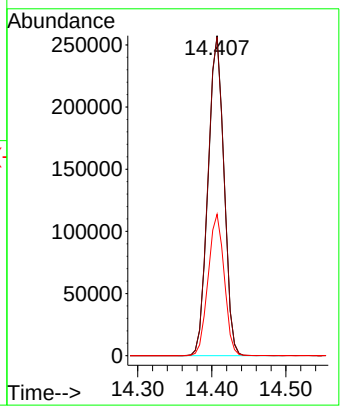


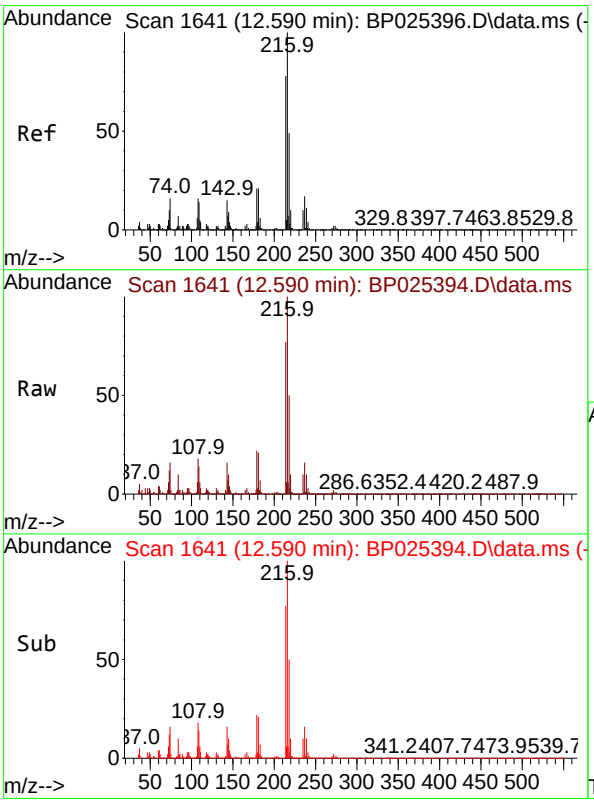
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 383199

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.6
160	44.2	35.4	53.2

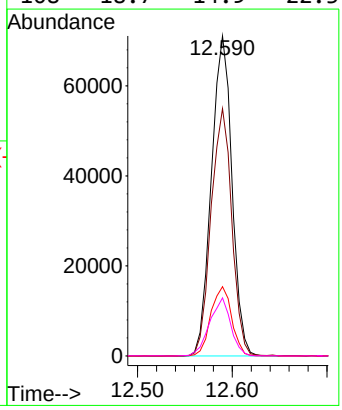


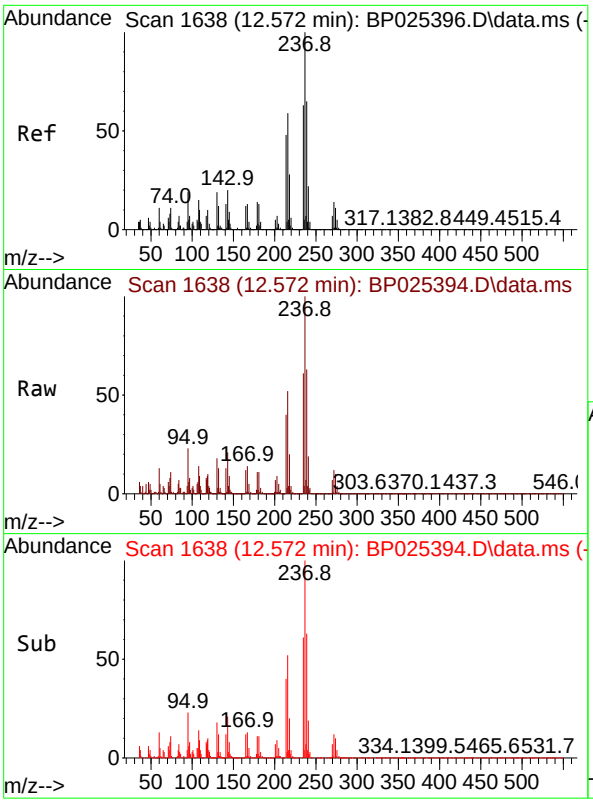


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.678 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:216 Resp: 107104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.0	94.4
179	22.0	17.1	25.7
108	18.7	14.9	22.3



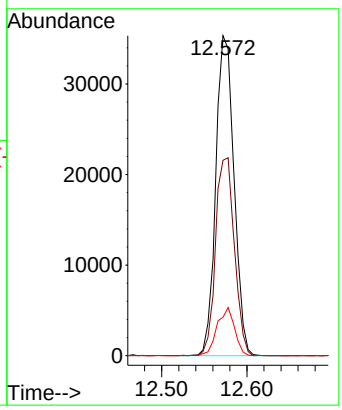


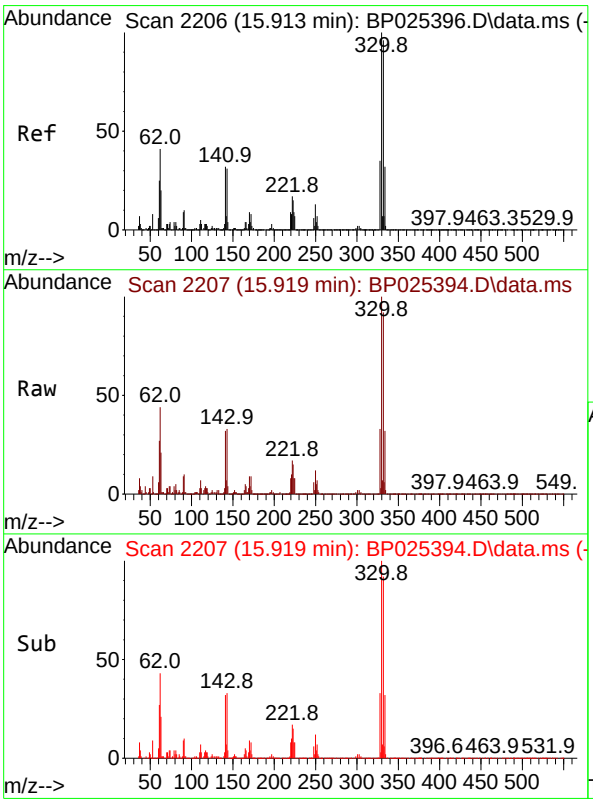
#41
Hexachlorocyclopentadiene
Concen: 7.867 ng
RT: 12.572 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 52588

Ion	Ratio	Lower	Upper
237	100		
235	61.1	42.7	82.7
272	12.0	0.0	34.0

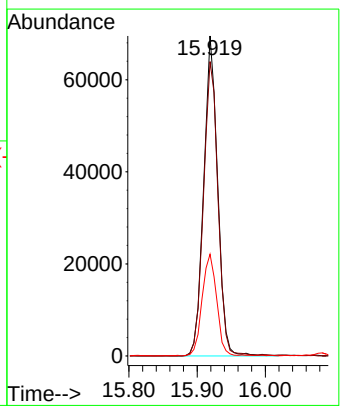


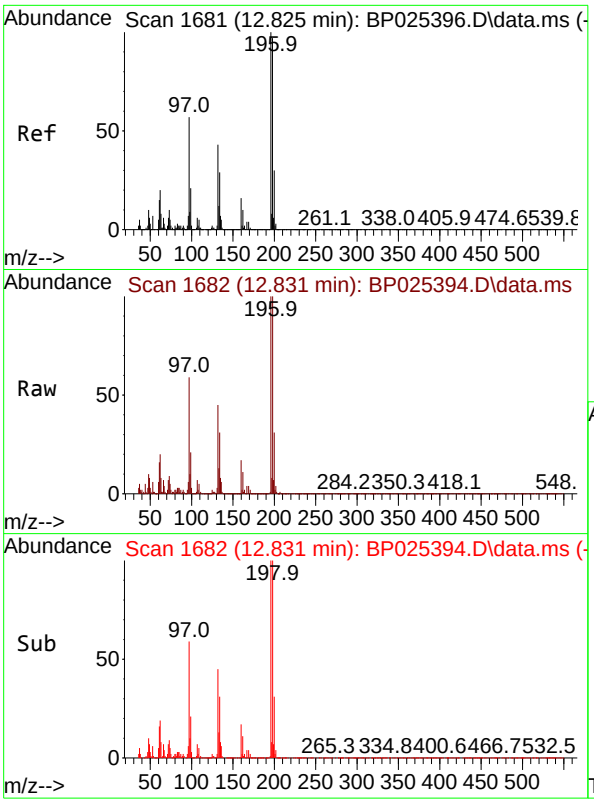


#42
2,4,6-Tribromophenol
Concen: 19.210 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:330 Resp: 99083

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	33.1	26.6	39.8



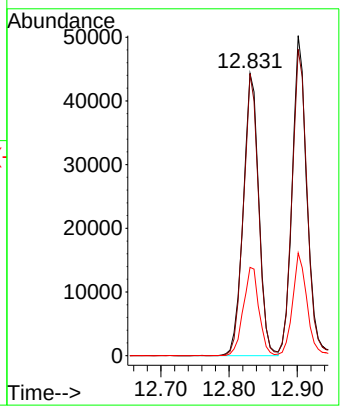


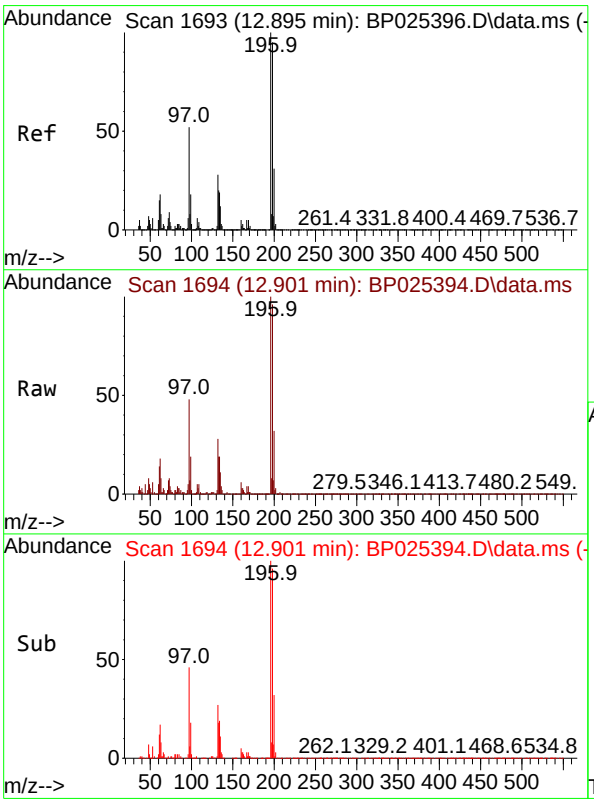
#43
2,4,6-Trichlorophenol
Concen: 9.339 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 69780

Ion	Ratio	Lower	Upper
196	100		
198	99.9	77.2	115.8
200	31.3	23.9	35.9

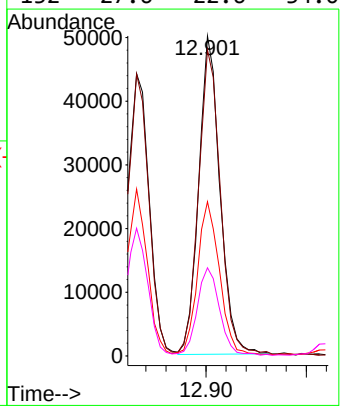


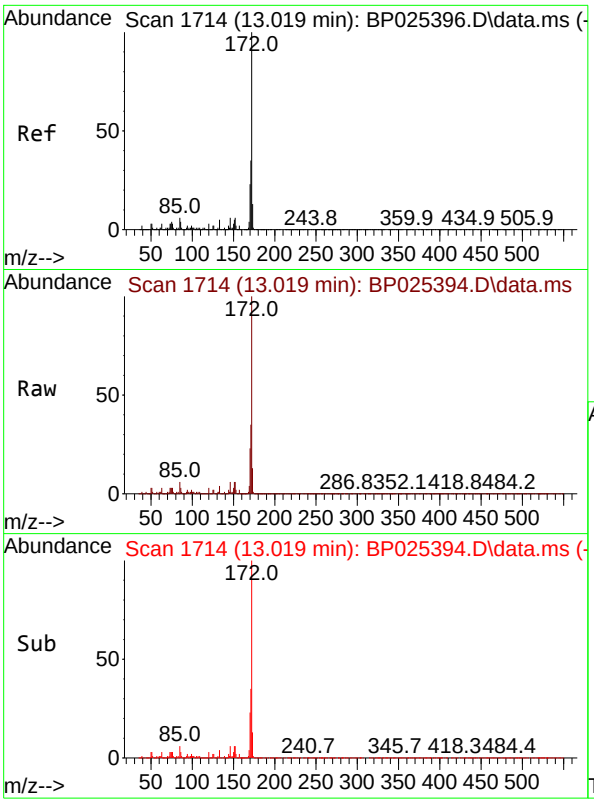


#44
2,4,5-Trichlorophenol
Concen: 9.006 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:196 Resp: 73744

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.2	114.2
97	48.2	41.2	61.8
132	27.6	22.6	34.0



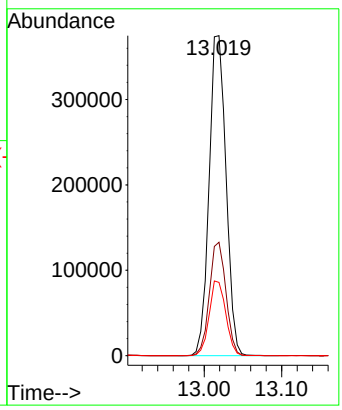


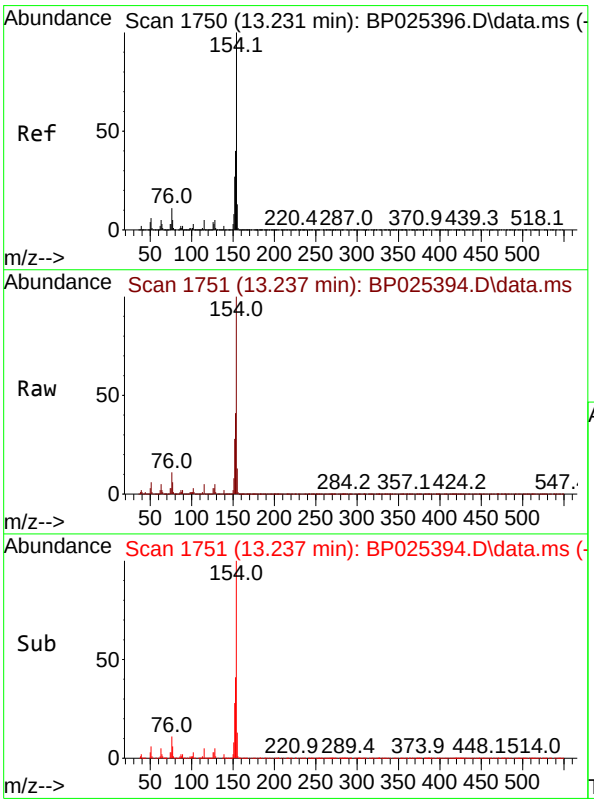
#45
2-Fluorobiphenyl
Concen: 20.271 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 568359

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	22.9	18.6	28.0

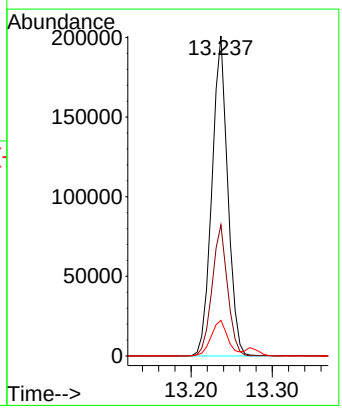


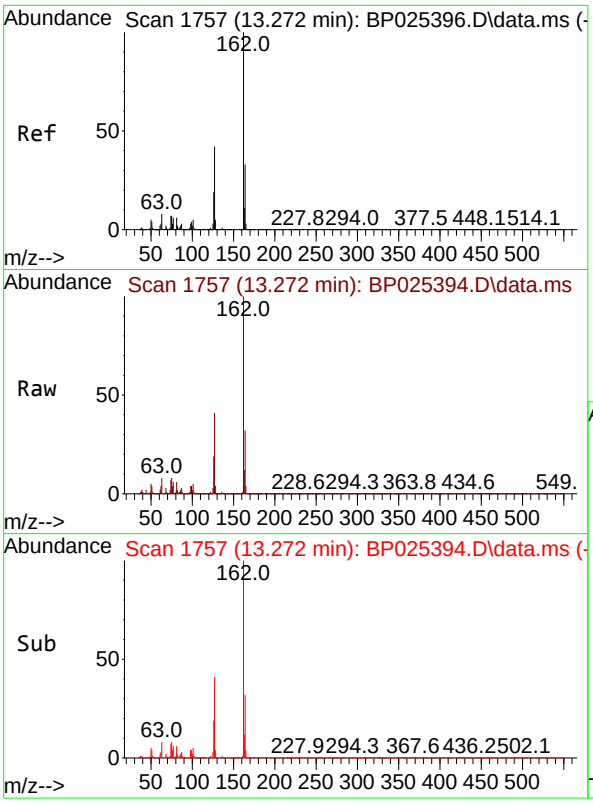


#46
1,1'-Biphenyl
Concen: 9.763 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 271710

Ion	Ratio	Lower	Upper
154	100		
153	41.0	19.5	59.5
76	11.2	0.0	31.1



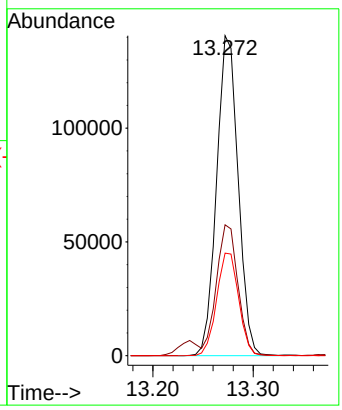


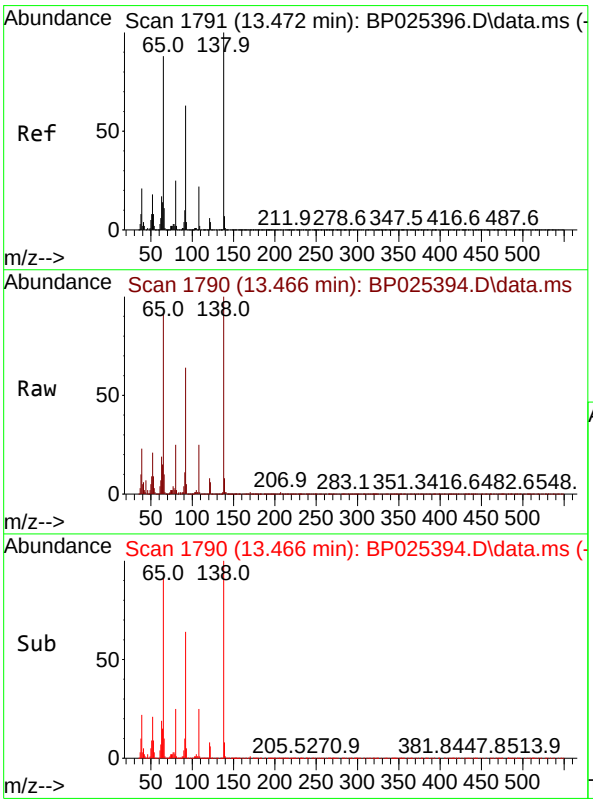
#47
2-Chloronaphthalene
Concen: 9.666 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 209419

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	32.0	26.2	39.2

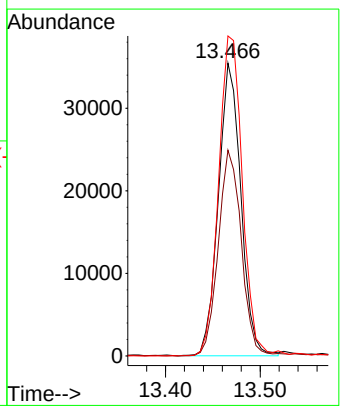


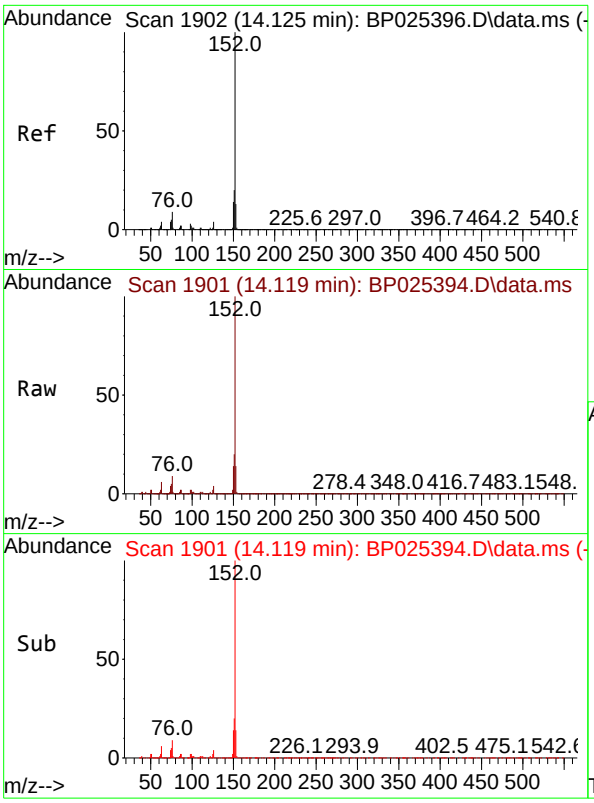


#48
2-Nitroaniline
Concen: 9.287 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion: 65 Resp: 58630

Ion	Ratio	Lower	Upper
65	100		
92	70.3	57.6	86.4
138	109.3	91.0	136.6



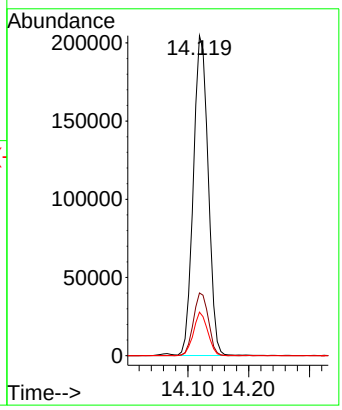


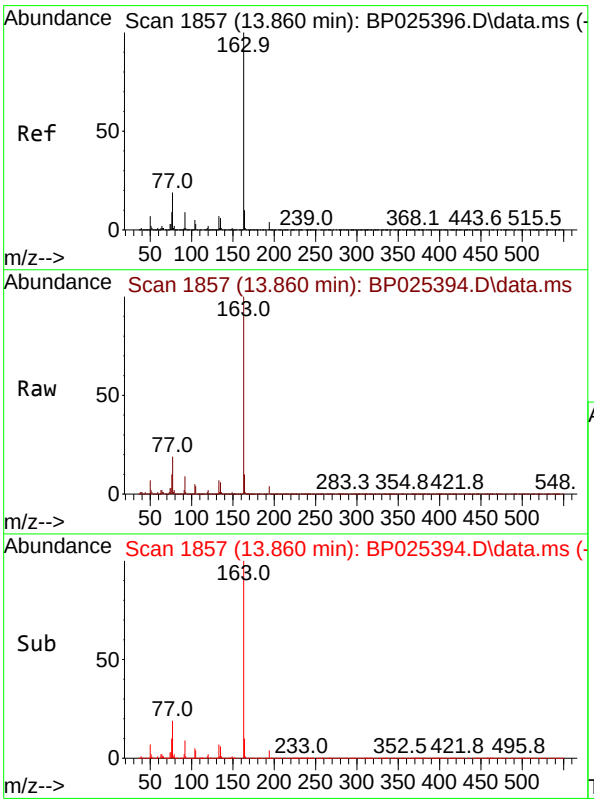
#49
Acenaphthylene
Concen: 9.652 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 346021

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.6	10.6	15.8

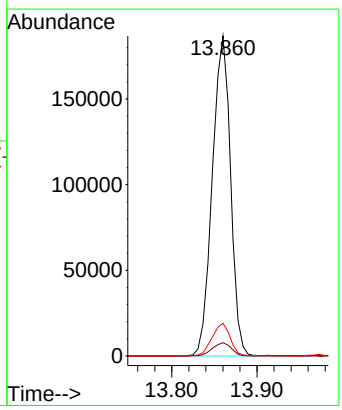


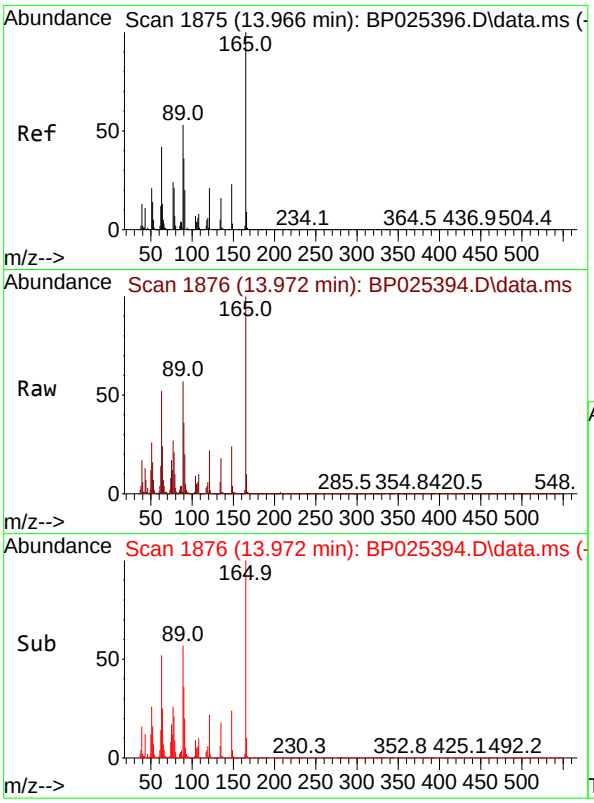


#50
Dimethylphthalate
Concen: 9.896 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:163 Resp: 277701

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9



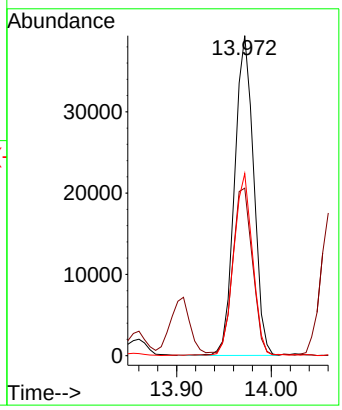


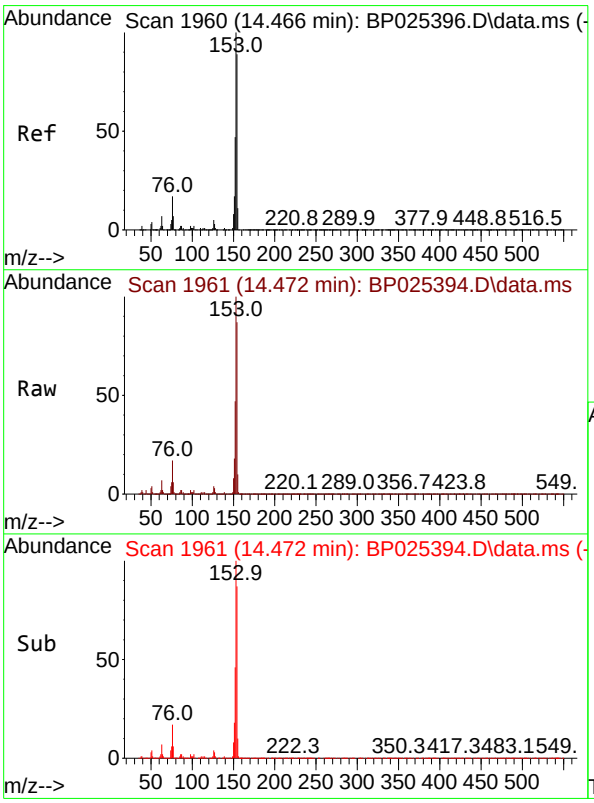
#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 54957

Ion	Ratio	Lower	Upper
165	100		
63	52.3	40.9	61.3
89	56.9	42.1	63.1

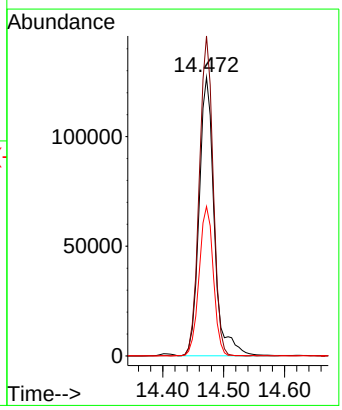


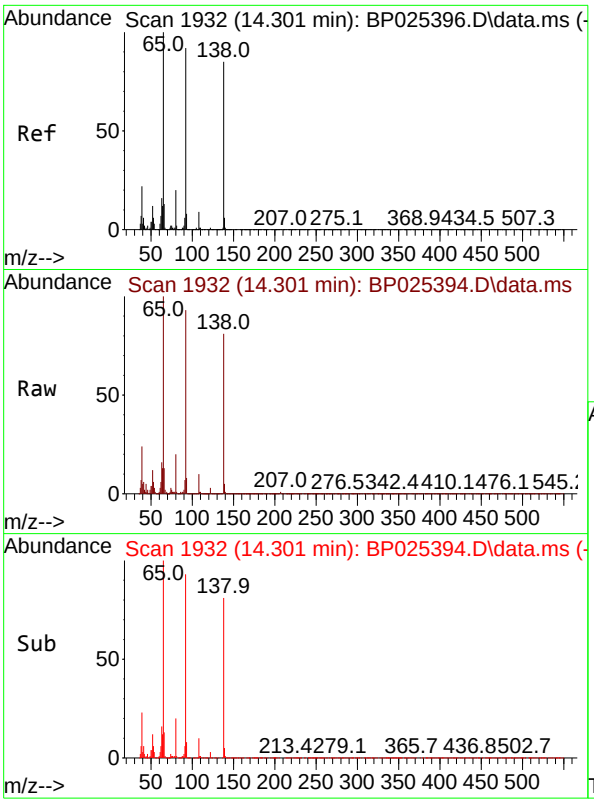


#52
Acenaphthene
Concen: 10.373 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:154 Resp: 218284

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.2	135.2
152	53.6	42.1	63.1



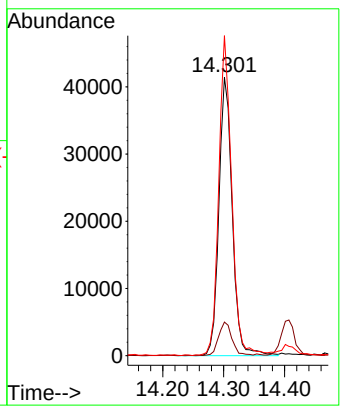


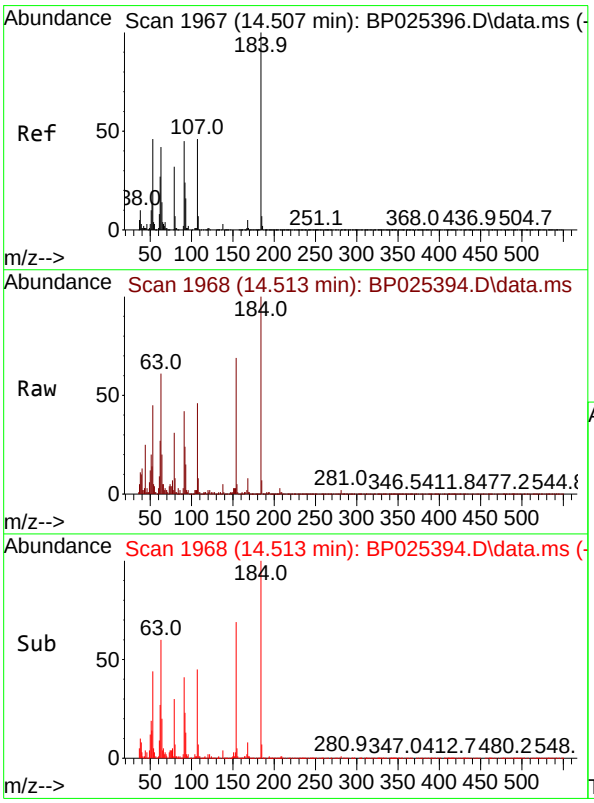
#53
3-Nitroaniline
Concen: 9.466 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 62991

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	114.9	86.2	129.2

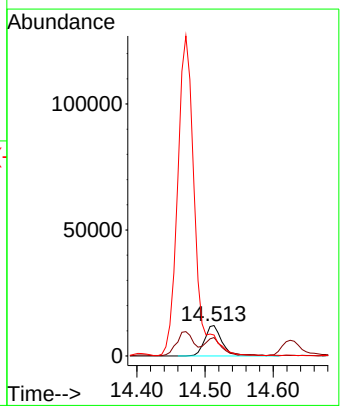


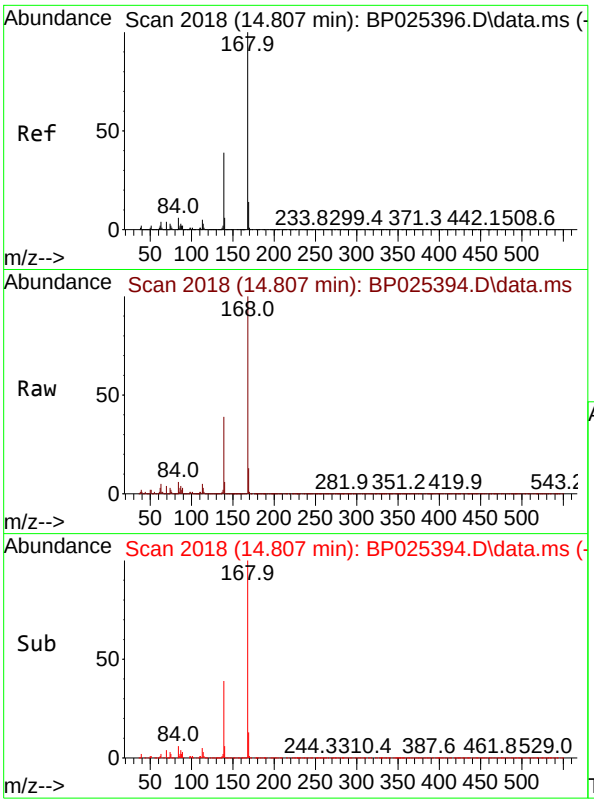


#54
2,4-Dinitrophenol
Concen: 6.886 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:184 Resp: 21748

Ion	Ratio	Lower	Upper
184	100		
63	60.8	49.4	74.2
154	69.1	54.6	82.0



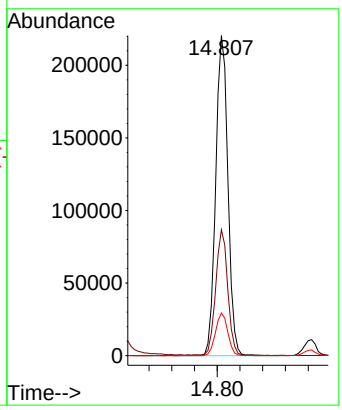


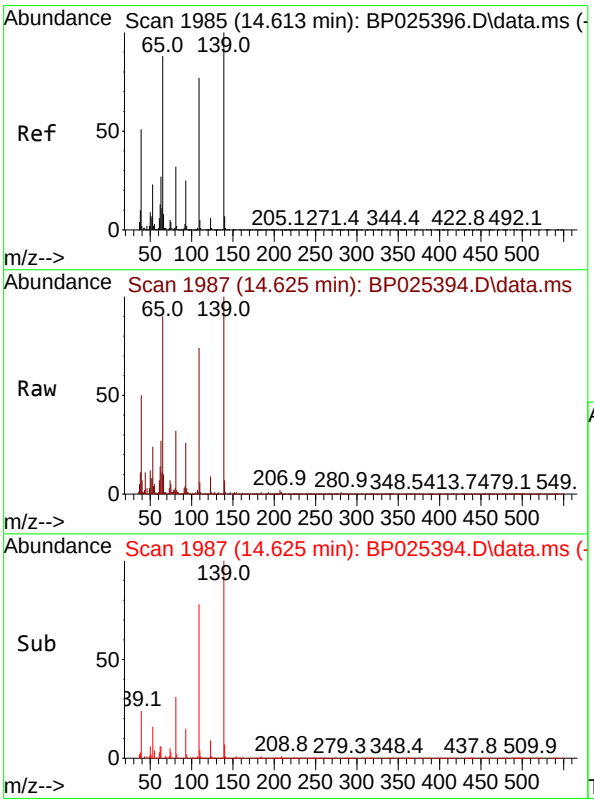
#55
Dibenzofuran
Concen: 9.851 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 327734

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.5	47.3
169	13.4	10.9	16.3

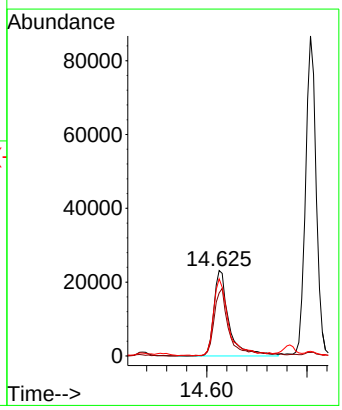


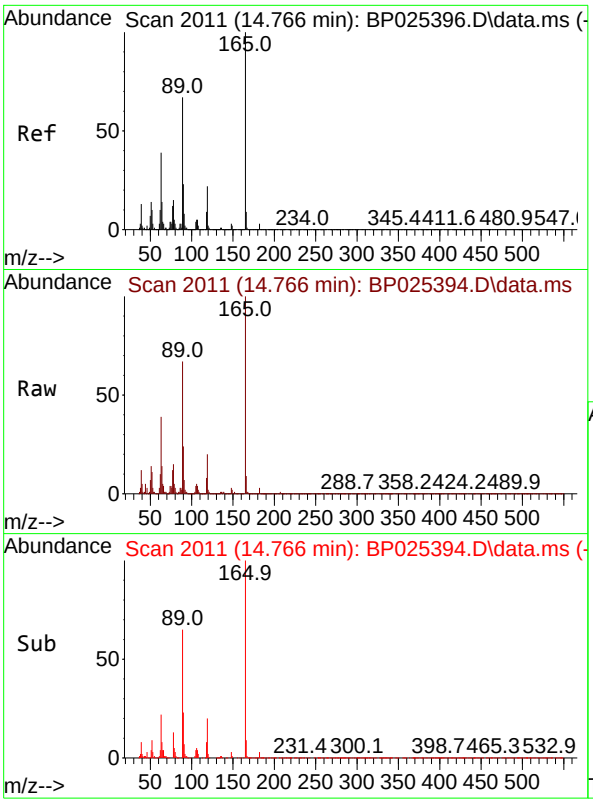


#56
4-Nitrophenol
Concen: 8.797 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:139 Resp: 48103

Ion	Ratio	Lower	Upper
139	100		
109	73.8	56.6	96.6
65	90.2	68.2	108.2



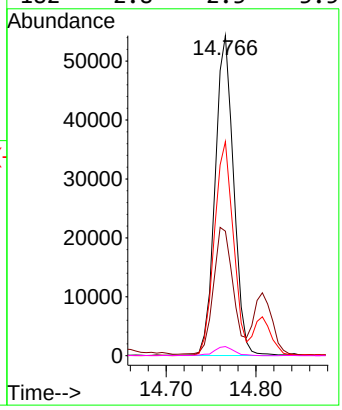


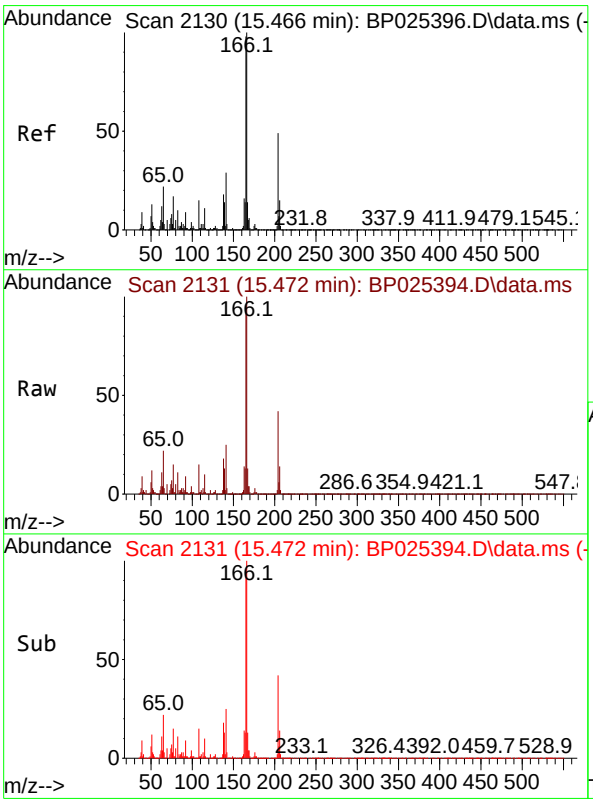
#57
2,4-Dinitrotoluene
Concen: 9.237 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 77950

Ion	Ratio	Lower	Upper
165	100		
63	38.9	31.4	47.2
89	66.9	53.3	79.9
182	2.8	2.3	3.5

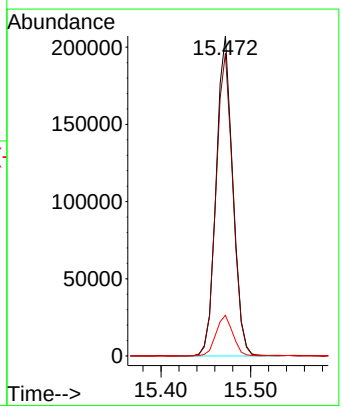


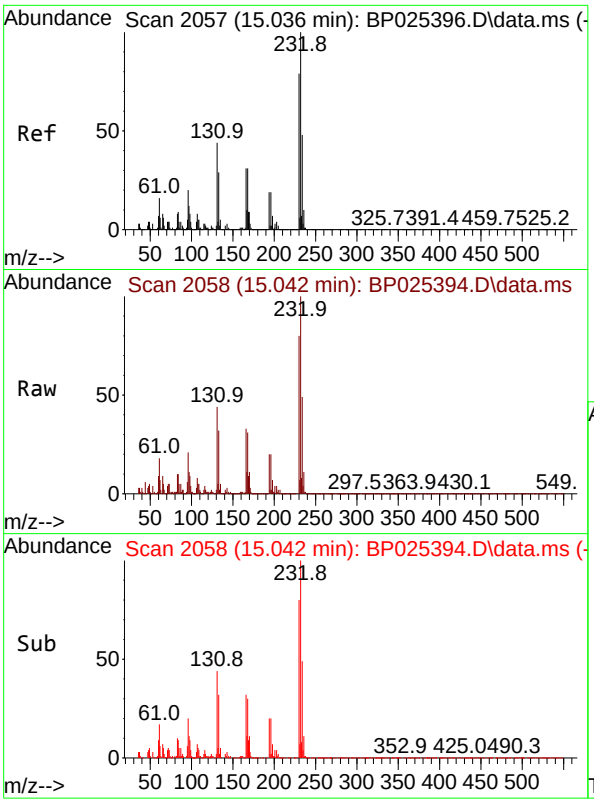


#58
Fluorene
Concen: 10.156 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:166 Resp: 266610

Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	12.7	11.0	16.4



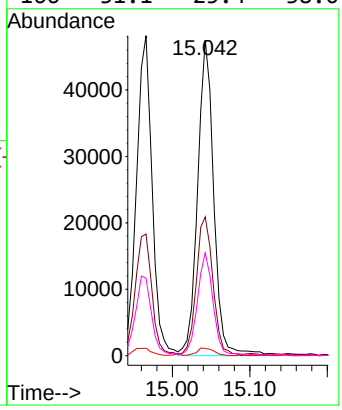


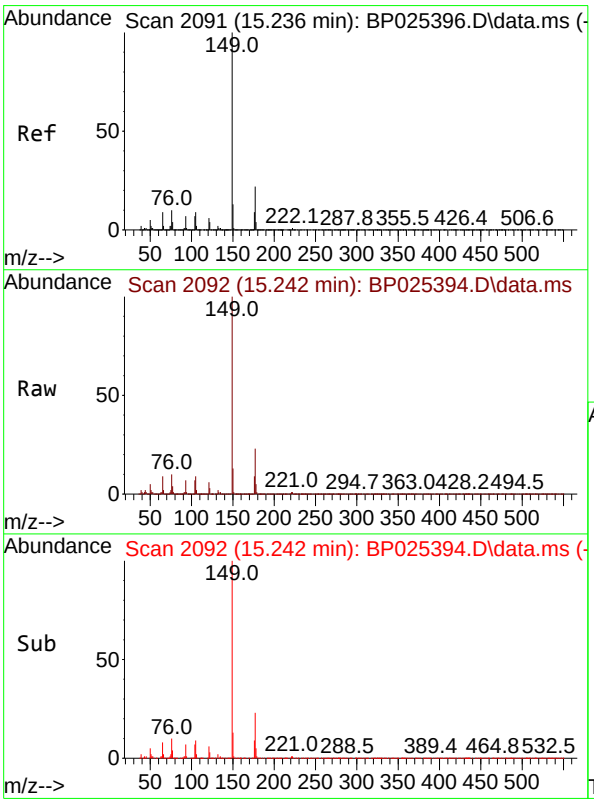
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.533 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 68931

Ion	Ratio	Lower	Upper
232	100		
131	45.2	37.0	55.6
130	2.5	1.9	2.9
166	31.1	25.4	38.0

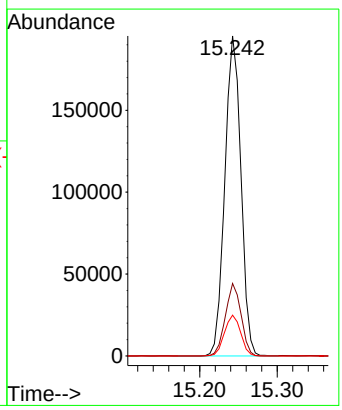


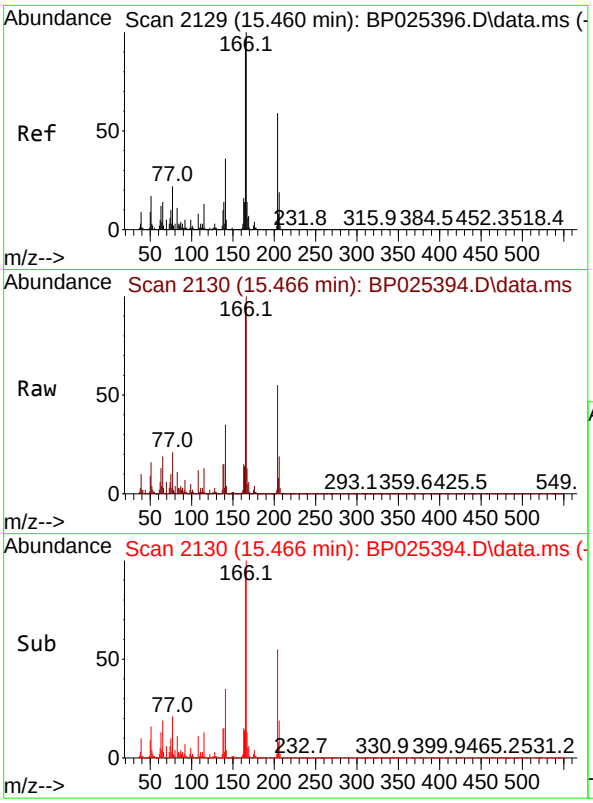


#60
Diethylphthalate
Concen: 9.909 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 282526

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.3	25.9
150	12.8	10.3	15.5



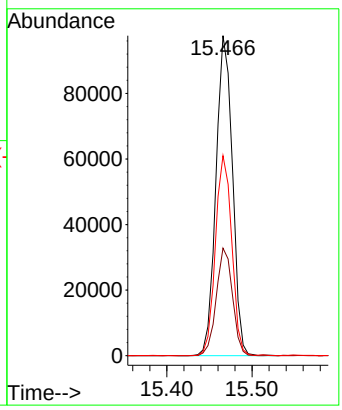


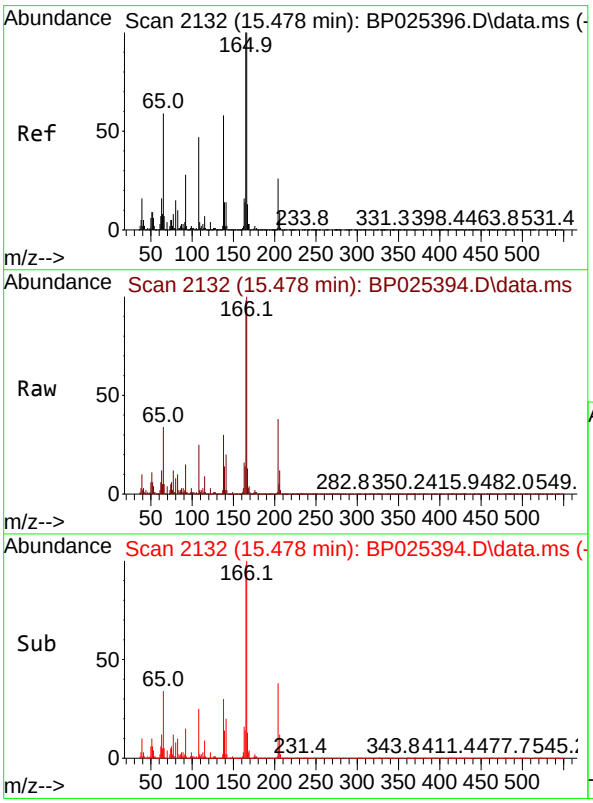
#61
4-Chlorophenyl-phenylether
Concen: 10.044 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 131137

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	62.5	49.4	74.2

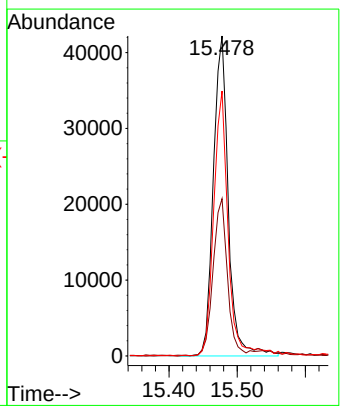


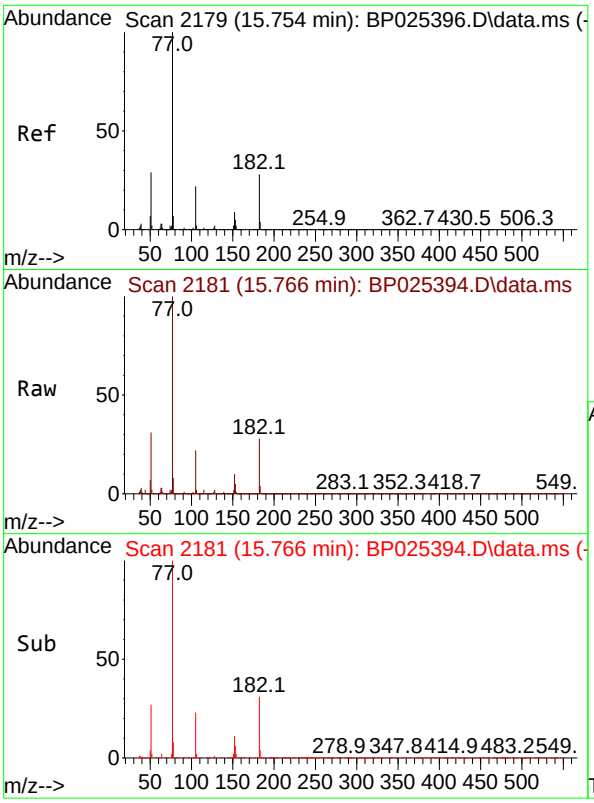


#62
4-Nitroaniline
Concen: 9.437 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:138 Resp: 64375

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	82.8	61.5	101.5



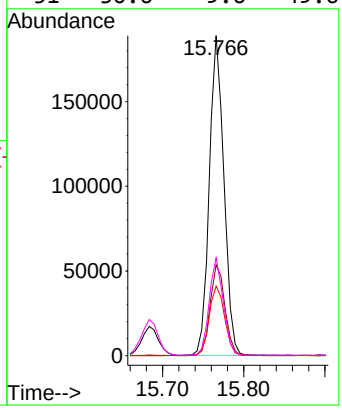


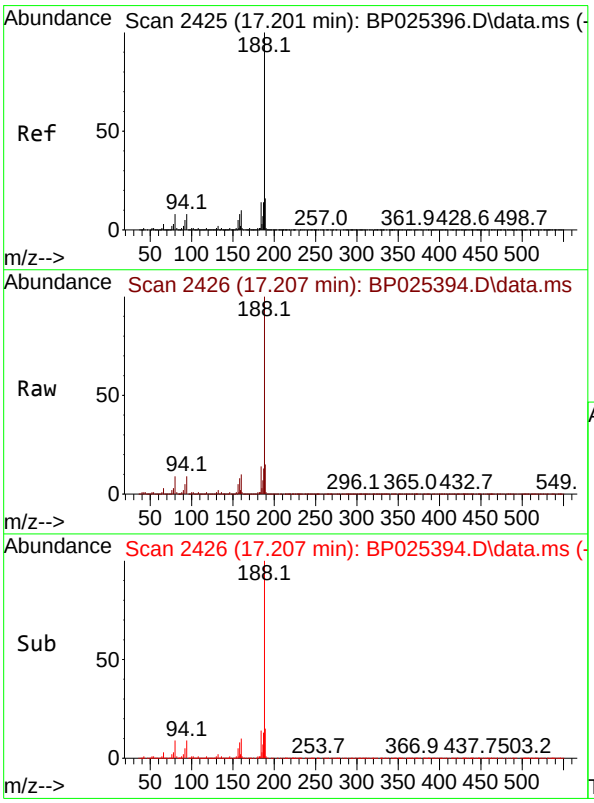
#63
Azobenzene
Concen: 9.620 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 234879

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	21.7	2.1	42.1
51	30.6	9.6	49.6

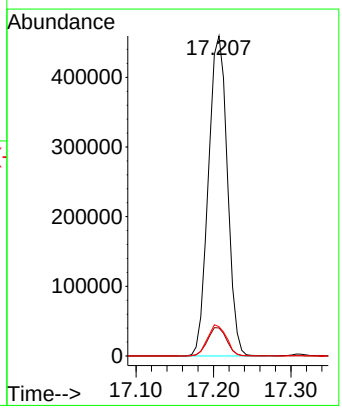


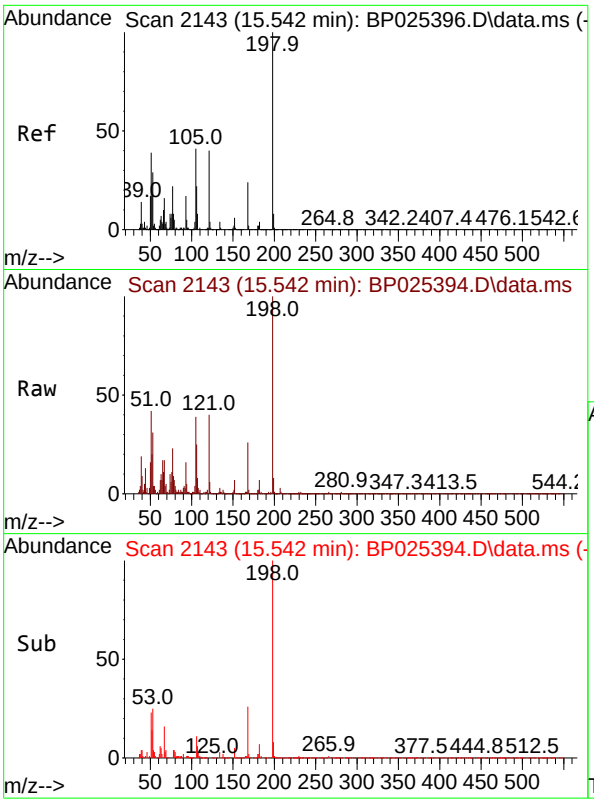


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:188 Resp: 780940

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	6.7	10.1



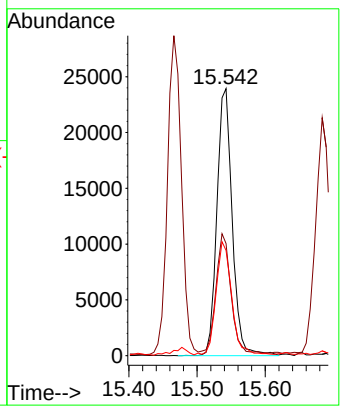


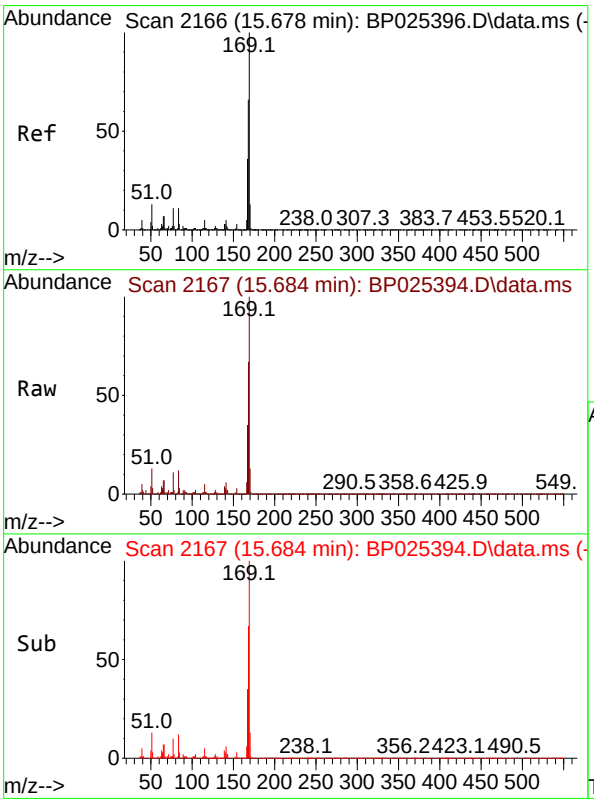
#65
4,6-Dinitro-2-methylphenol
Concen: 7.679 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 37380

Ion	Ratio	Lower	Upper
198	100		
51	42.0	19.6	59.6
105	39.4	20.9	60.9

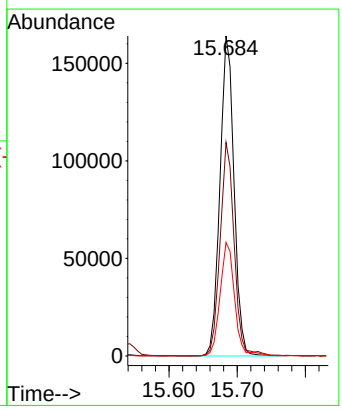


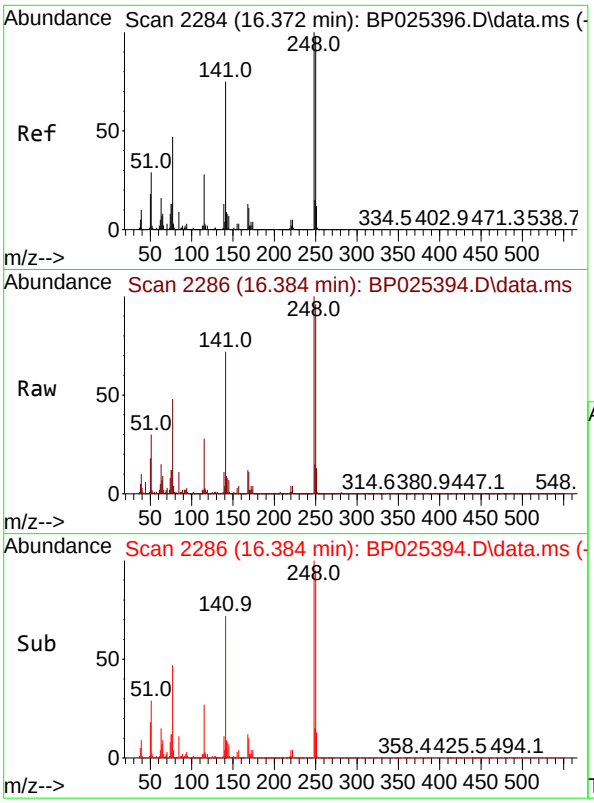


#66
n-Nitrosodiphenylamine
Concen: 9.883 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:169 Resp: 235344

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	35.5	28.7	43.1



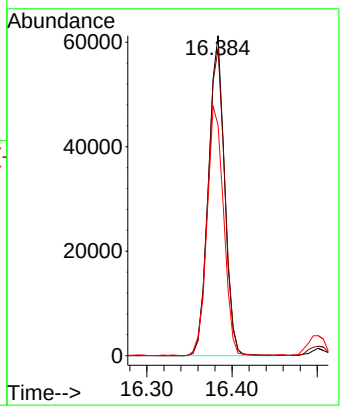


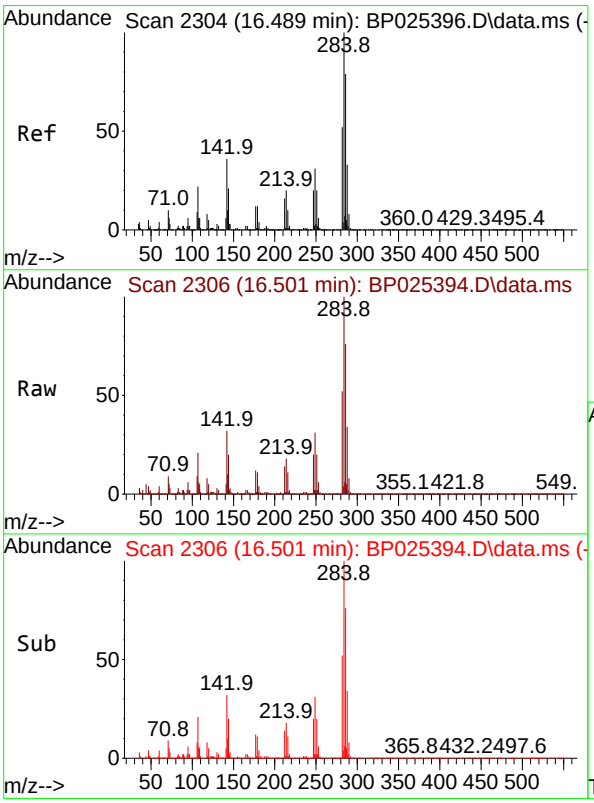
#67
4-Bromophenyl-phenylether
Concen: 9.358 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 80373

Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.2	117.2
141	72.1	59.6	89.4

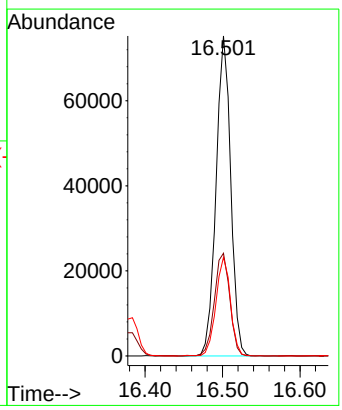


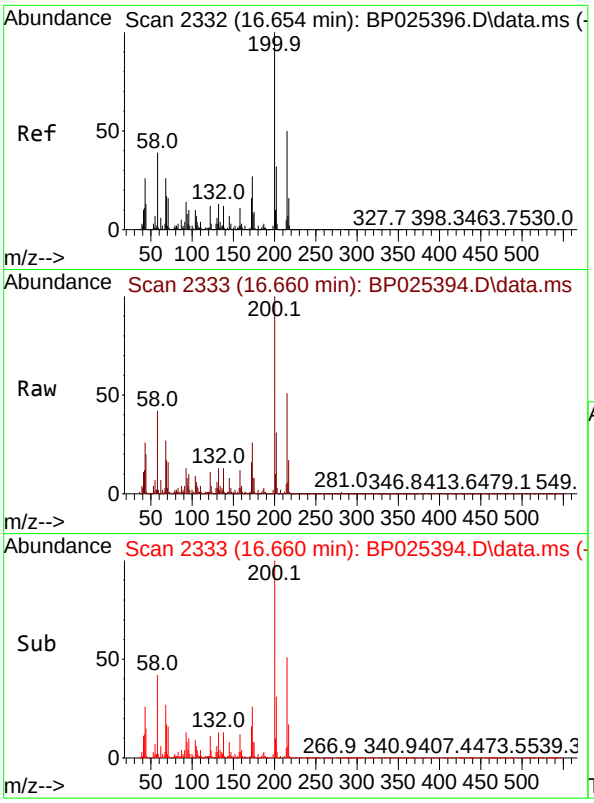


#68
Hexachlorobenzene
Concen: 9.905 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:284 Resp: 98614

Ion	Ratio	Lower	Upper
284	100		
142	32.1	29.1	43.7
249	30.8	25.0	37.4



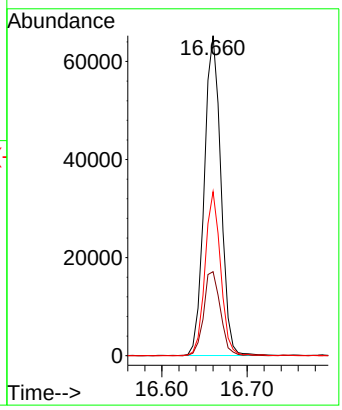


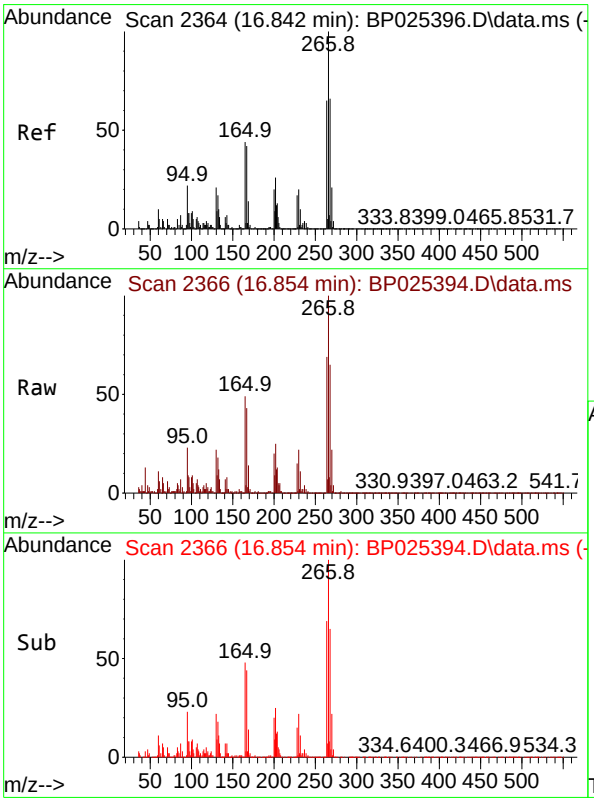
#69
Atrazine
Concen: 9.894 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 88240

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.7	46.7
215	51.3	29.7	69.7

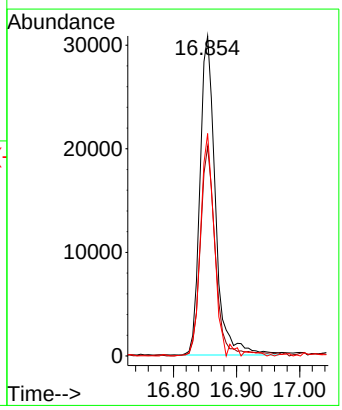


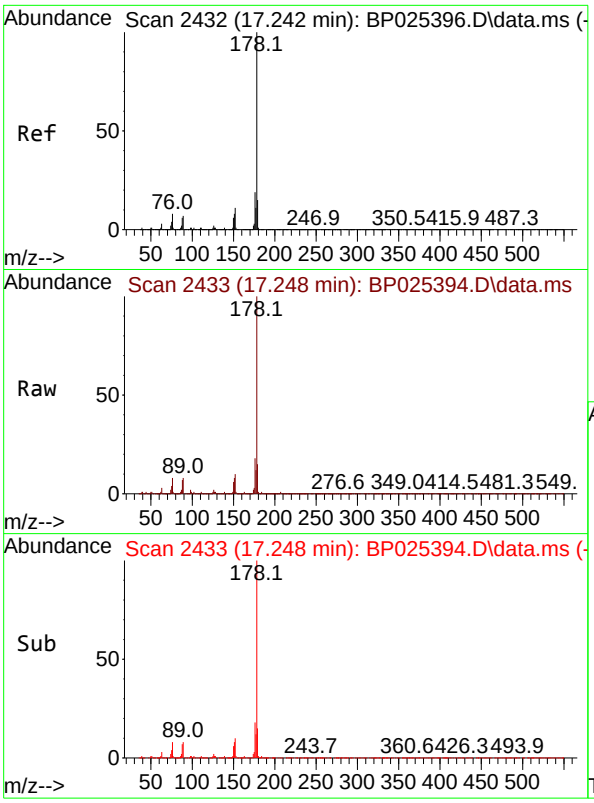


#70
Pentachlorophenol
Concen: 8.360 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:266 Resp: 52539

Ion	Ratio	Lower	Upper
266	100		
268	65.4	52.6	79.0
264	69.5	52.0	78.0



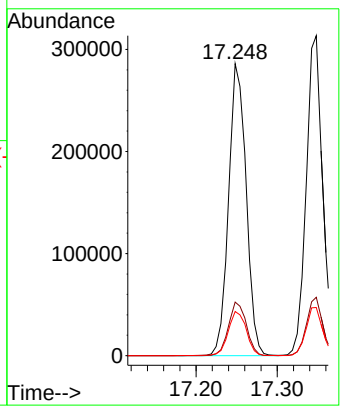


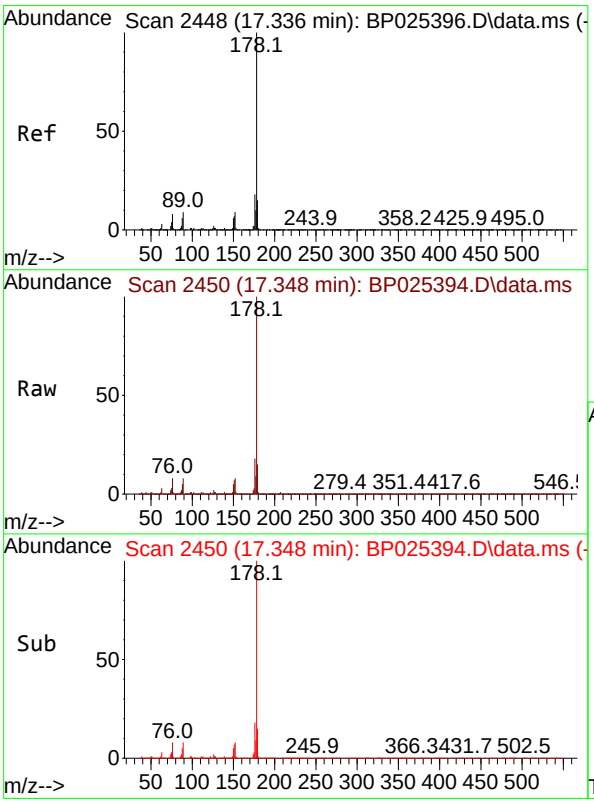
#71
Phenanthrene
Concen: 10.018 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 429752

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.1	12.2	18.4

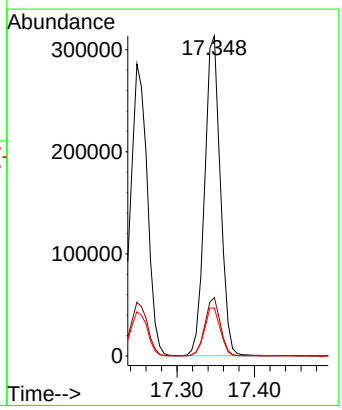


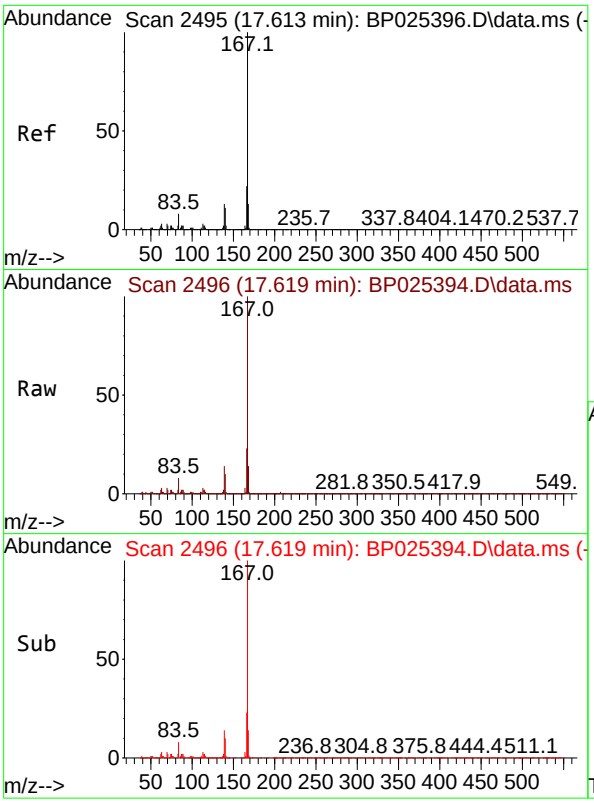


#72
Anthracene
Concen: 10.020 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:178 Resp: 438953

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.1	12.2	18.2



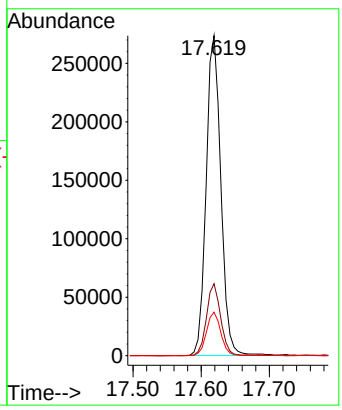


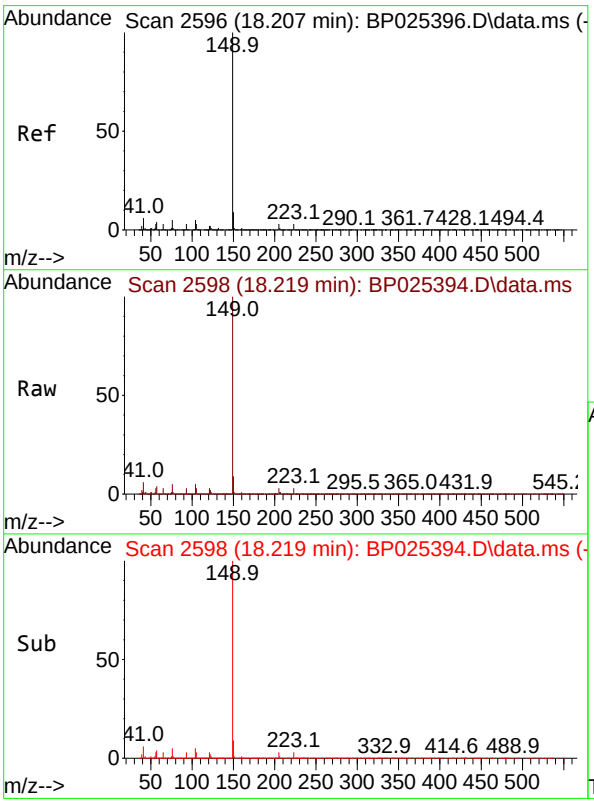
#73
Carbazole
Concen: 9.954 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 410726

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	13.6	10.6	16.0

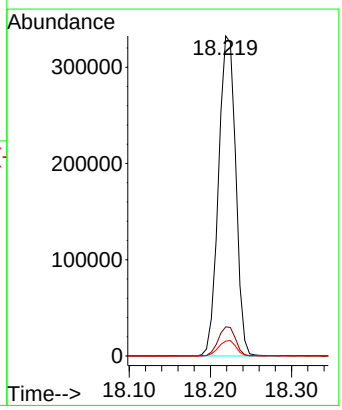


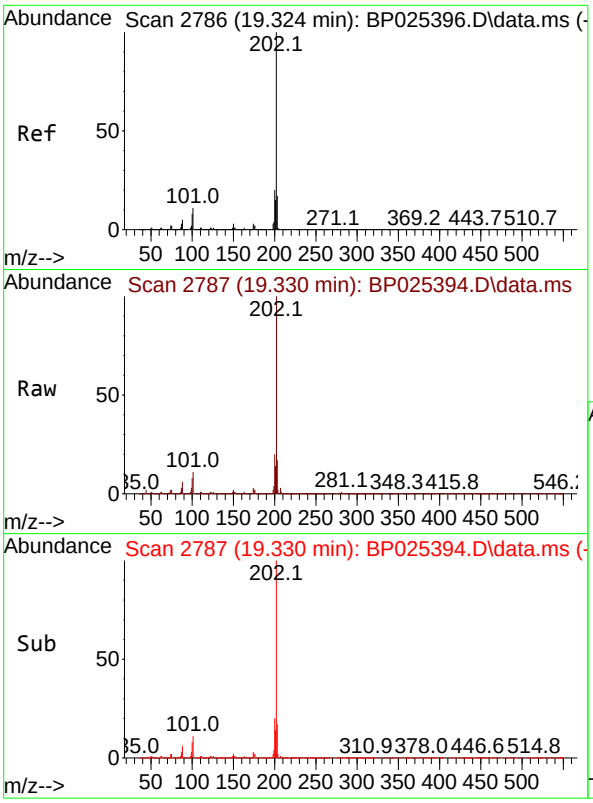


#74
Di-n-butylphthalate
Concen: 9.656 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 490232

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.7	4.2	6.2



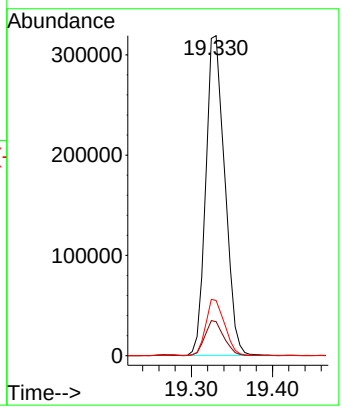


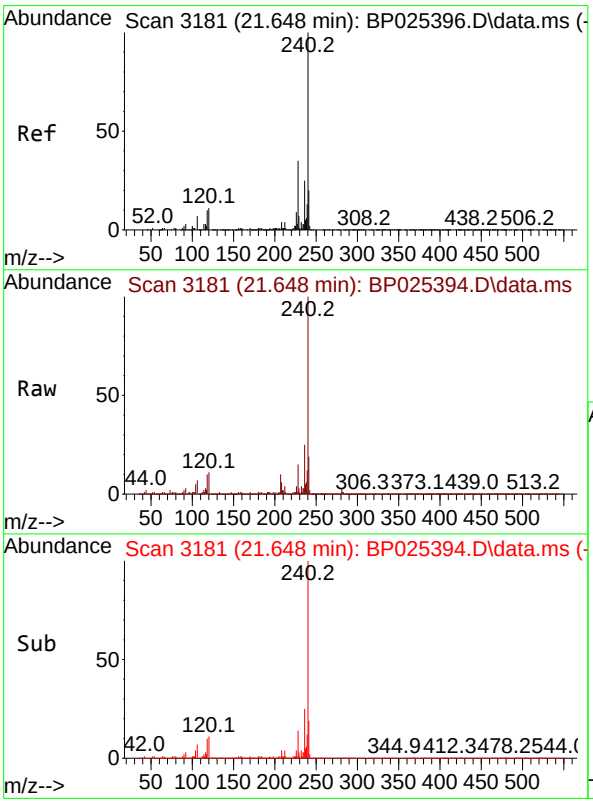
#75
Fluoranthene
Concen: 10.094 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 516523

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.2	0.0	37.3

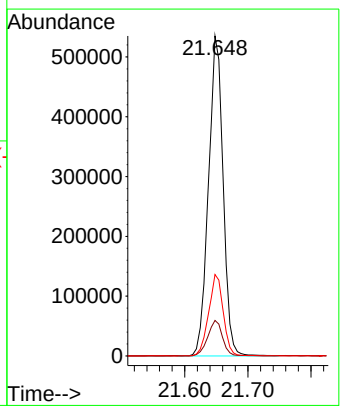


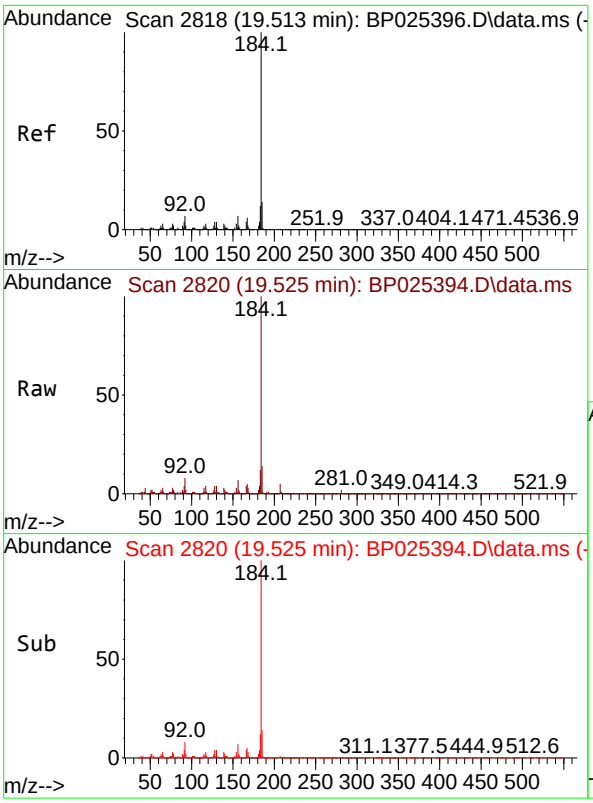


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:240 Resp: 860386

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.5	19.8	29.8



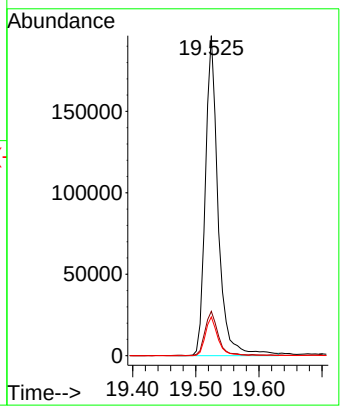


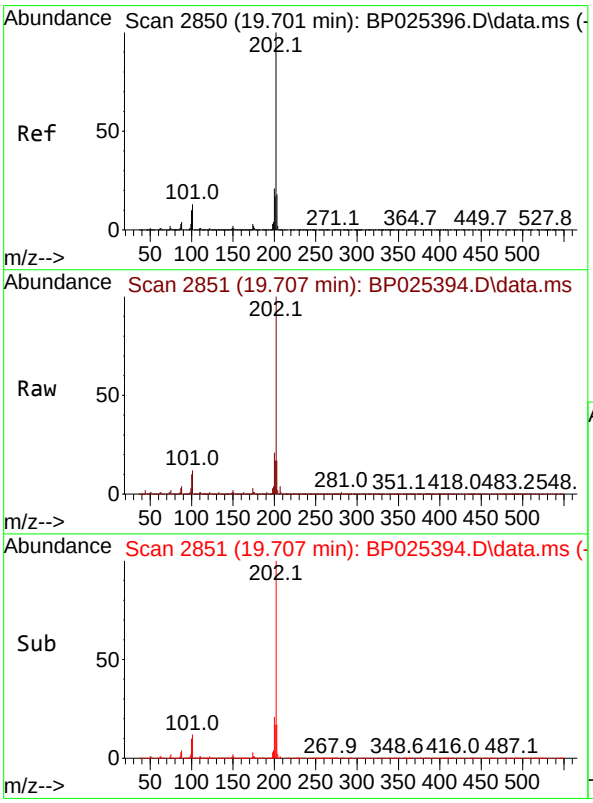
#77
Benzidine
Concen: 9.406 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 276193

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	12.1	9.4	14.2

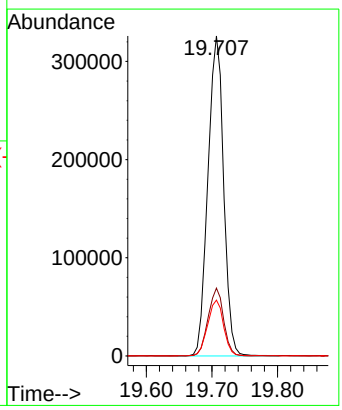


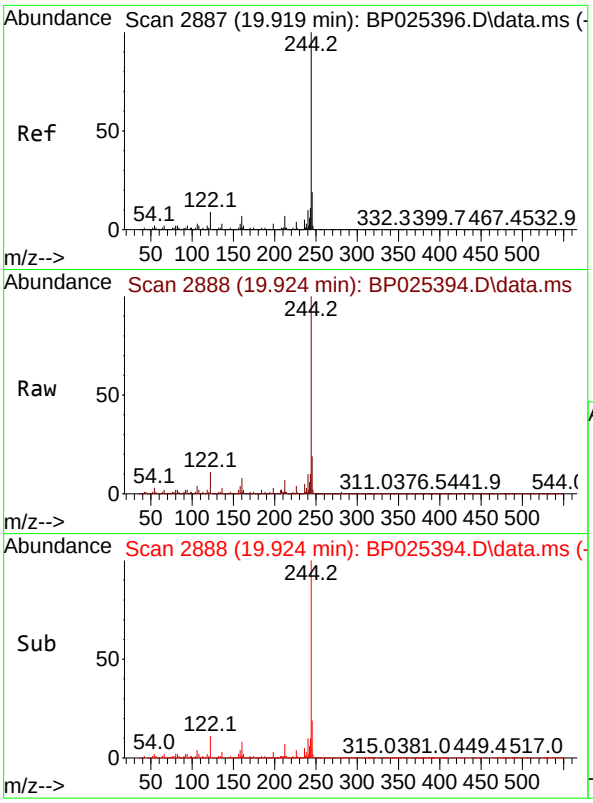


#78
Pyrene
Concen: 9.704 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:202 Resp: 542670

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.5	14.2	21.2



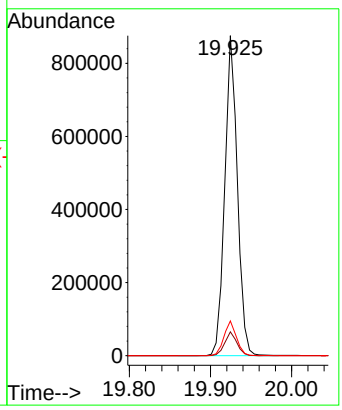


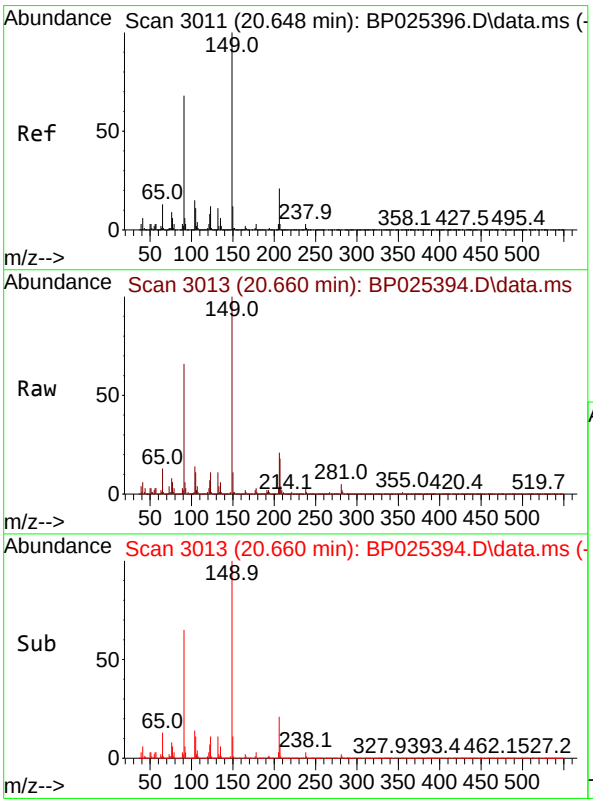
#79
Terphenyl-d14
Concen: 20.125 ng
RT: 19.924 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 946422

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.9	7.4	11.2

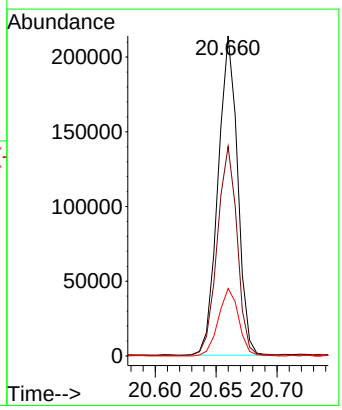


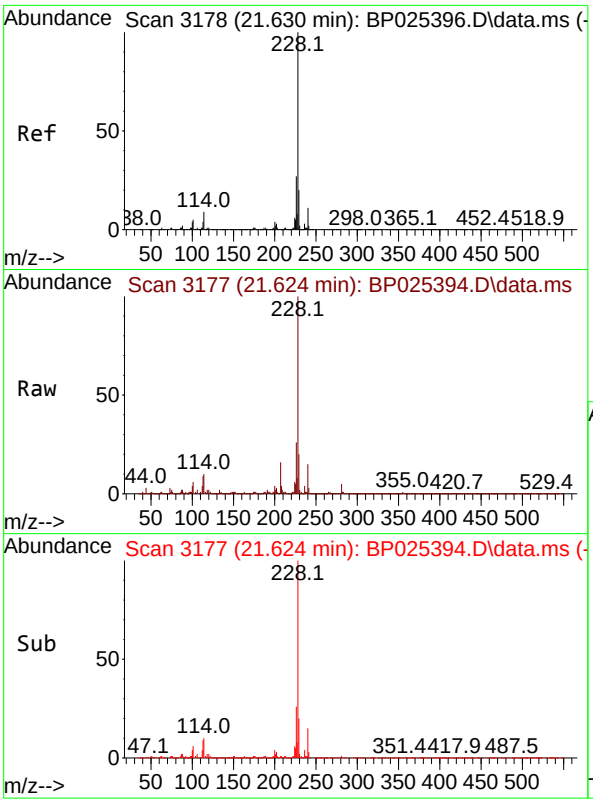


#80
Butylbenzylphthalate
Concen: 9.446 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 239416

Ion	Ratio	Lower	Upper
149	100		
91	65.5	54.2	81.2
206	21.1	16.6	24.8



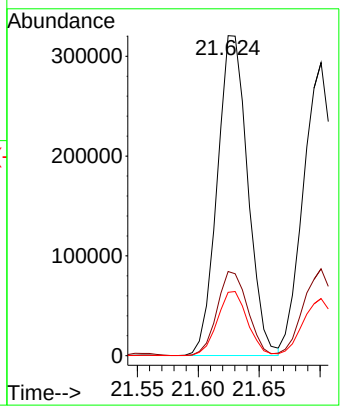


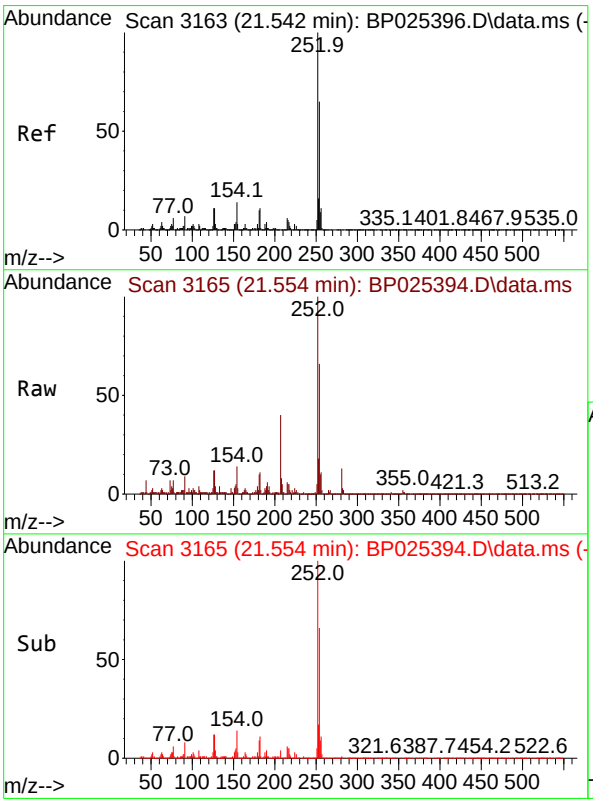
#81
Benzo(a)anthracene
Concen: 9.874 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 560279

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	19.8	15.6	23.4

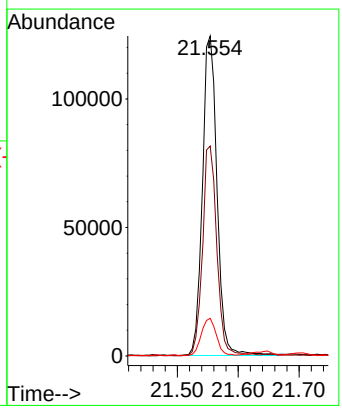


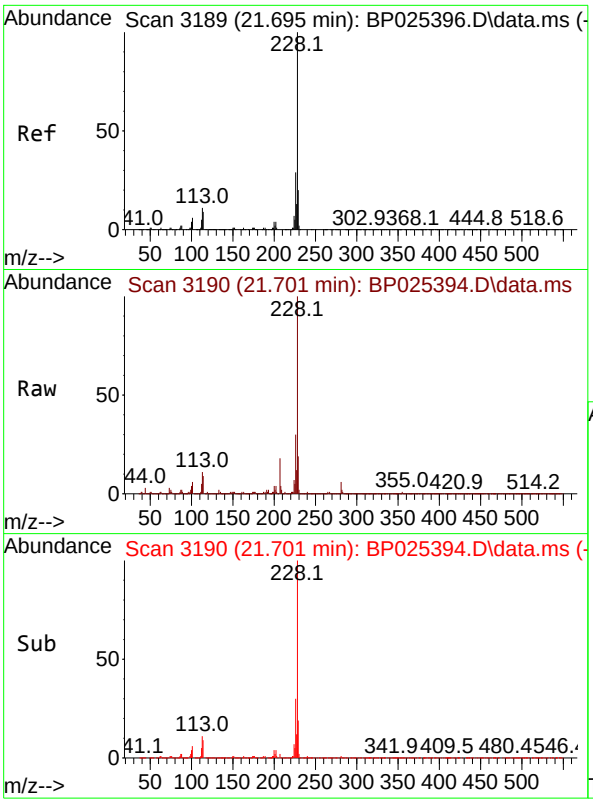


#82
3,3'-Dichlorobenzidine
Concen: 9.686 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 207153

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.8	77.6
126	11.7	9.1	13.7



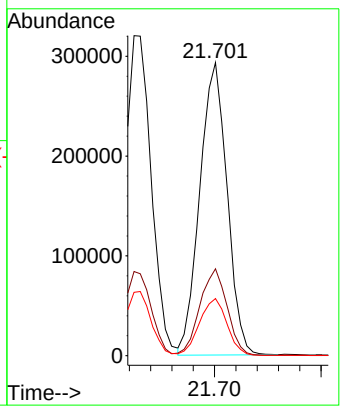


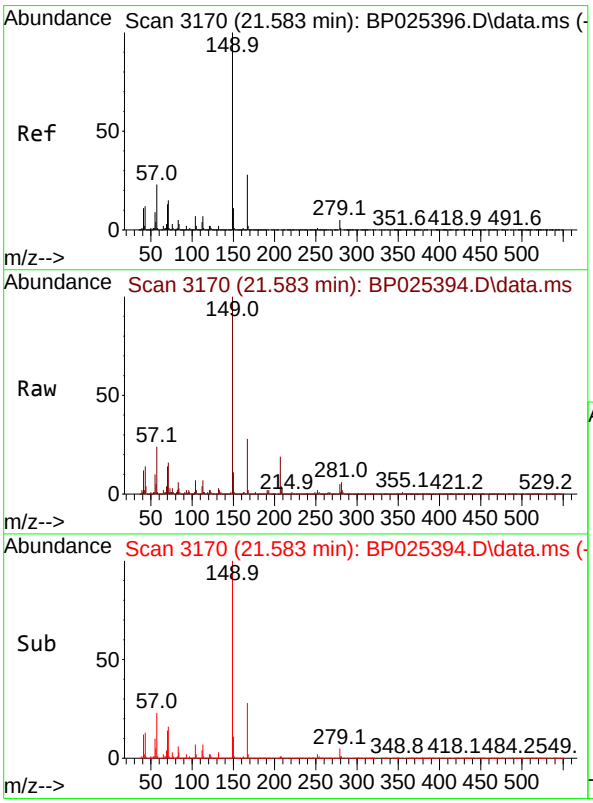
#83
Chrysene
Concen: 9.831 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 522411

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.5	15.6	23.4

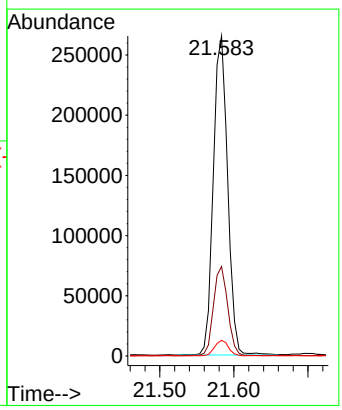


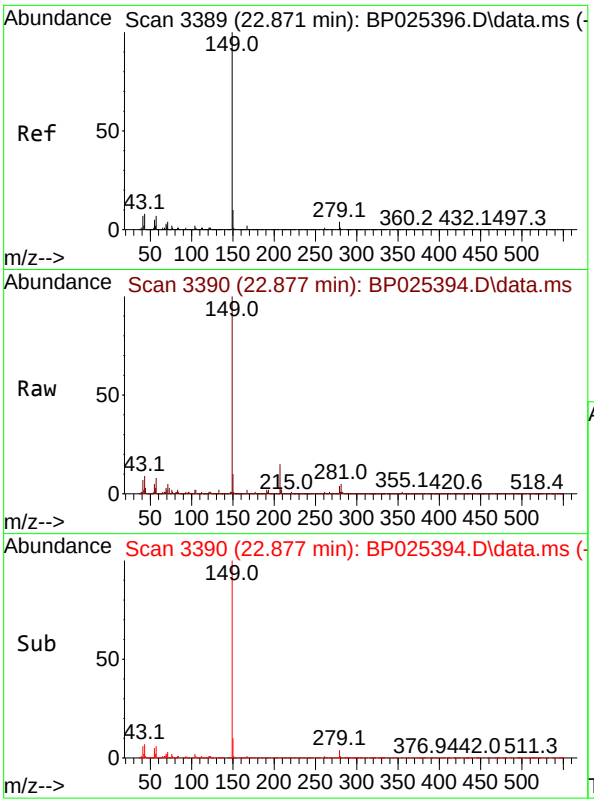


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.529 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:149 Resp: 355530

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.9	3.8	5.6



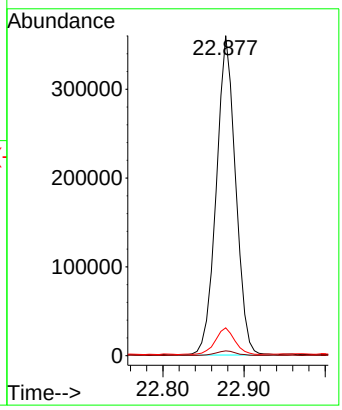


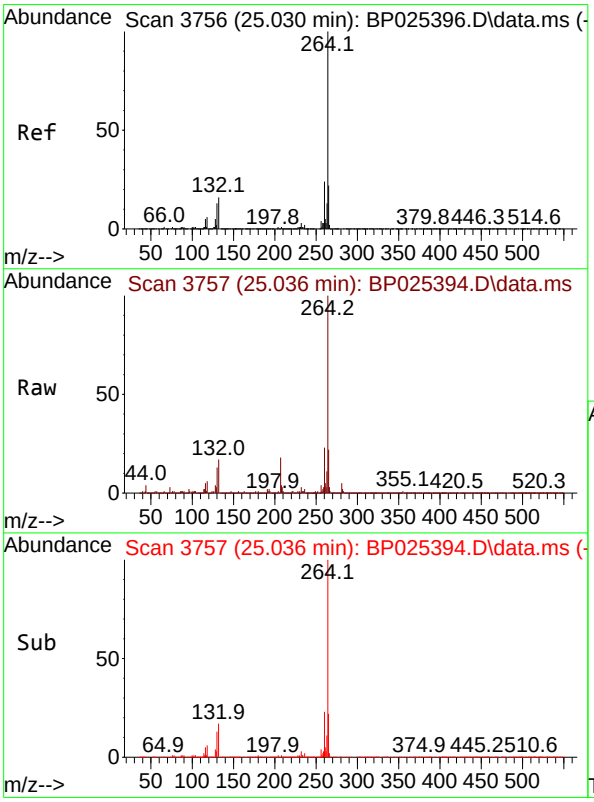
#85
Di-n-octyl phthalate
Concen: 9.259 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 594195

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.3	9.5

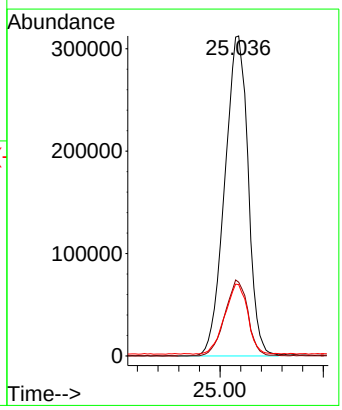


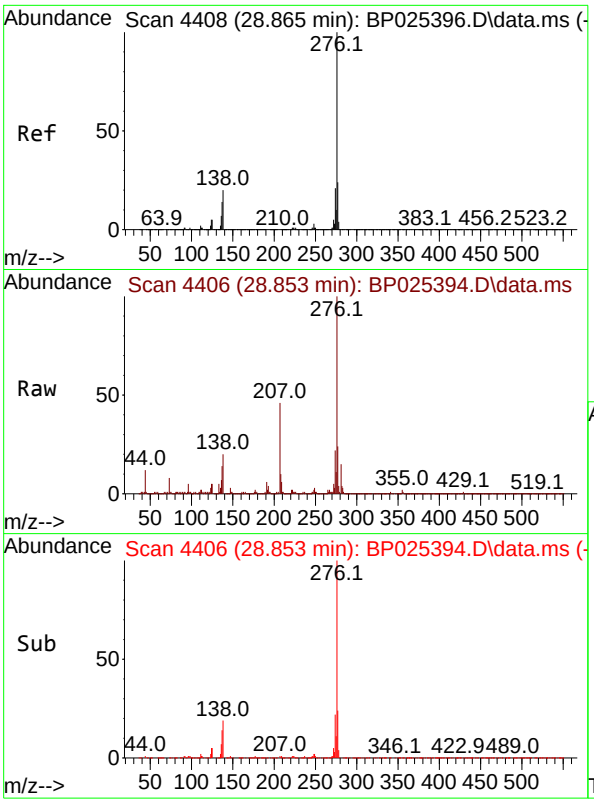


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:264 Resp: 980670

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.3	17.4	26.0



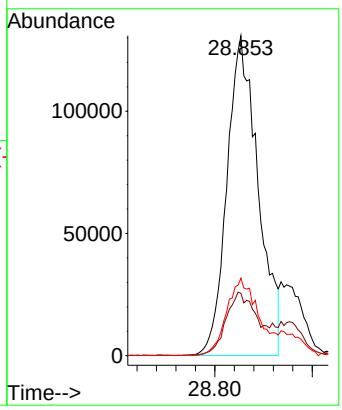


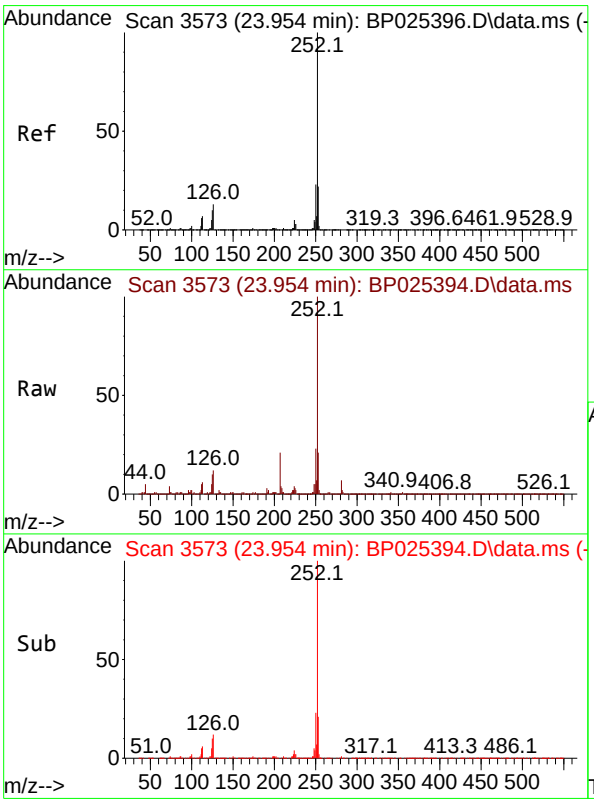
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.101 ng
RT: 28.853 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 582808

Ion	Ratio	Lower	Upper
276	100		
138	19.4	12.9	19.3#
277	24.6	17.0	25.6

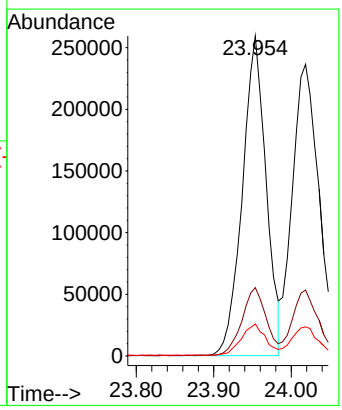


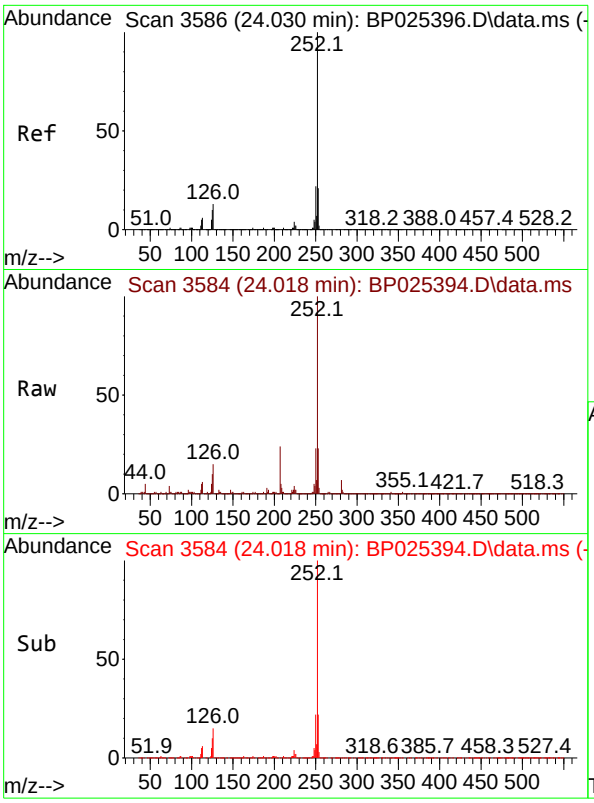


#88
Benzo(b)fluoranthene
Concen: 9.549 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 552191

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	10.0	7.9	11.9



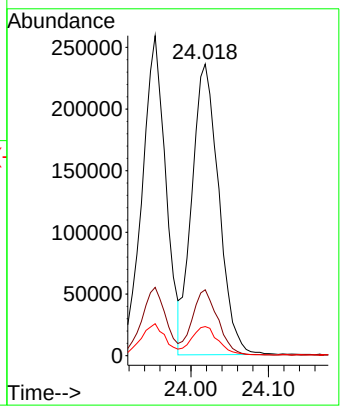


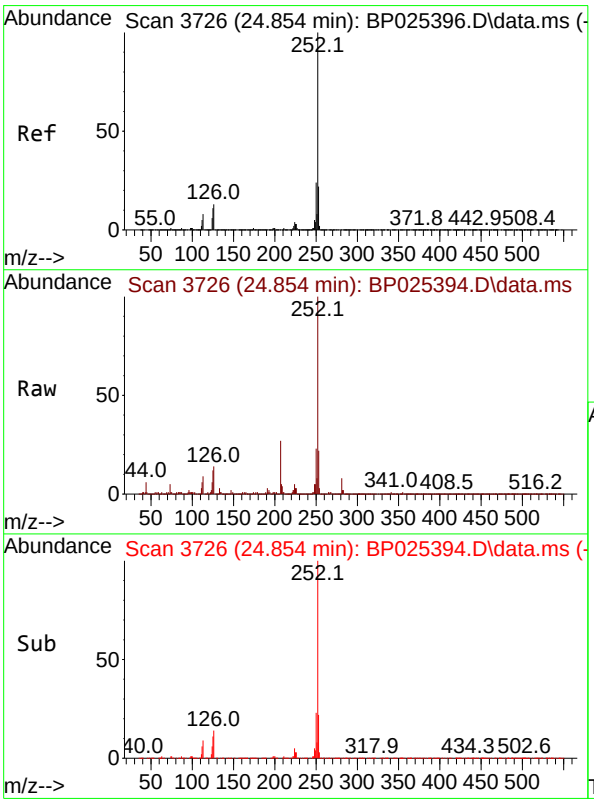
#89
Benzo(k)fluoranthene
Concen: 9.800 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 567080

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.0	7.8	11.6

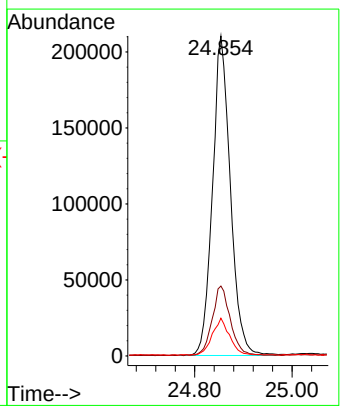


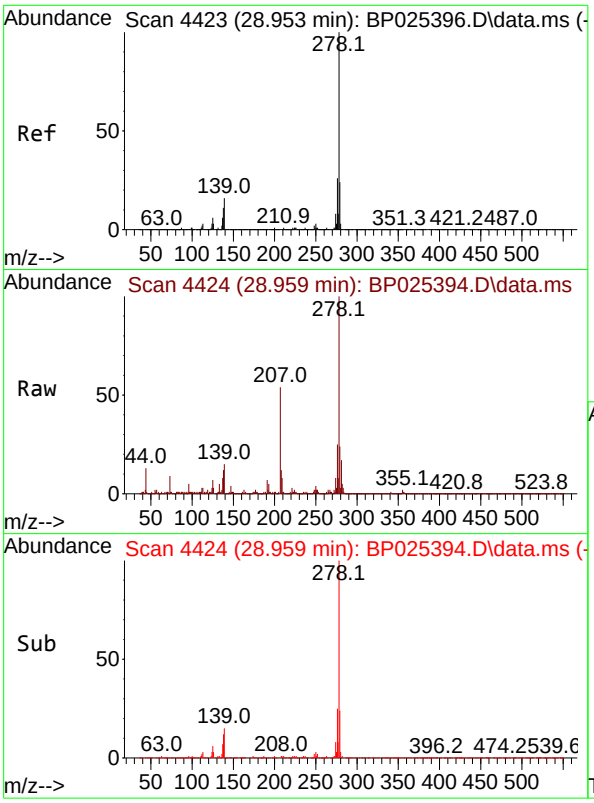


#90
Benzo(a)pyrene
Concen: 9.519 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:252 Resp: 535820

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.8	8.7	13.1



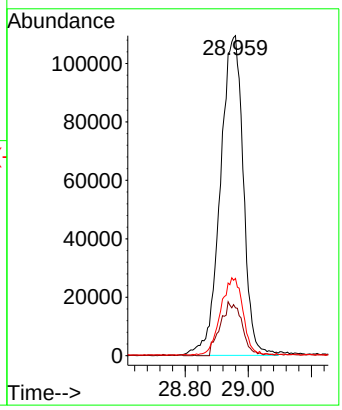


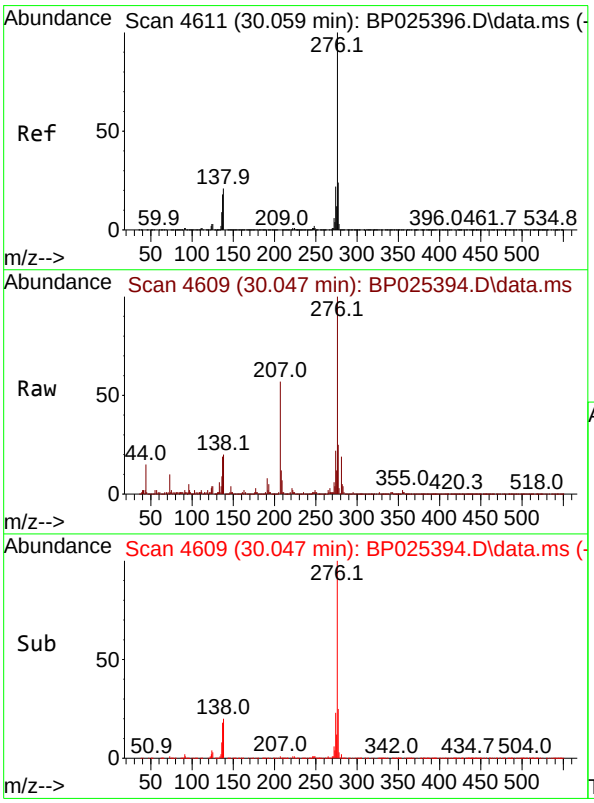
#91
Dibenzo(a,h)anthracene
Concen: 9.387 ng
RT: 28.959 min Scan# 44
Delta R.T. 0.006 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 551694

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.0	19.4
279	24.2	19.4	29.2

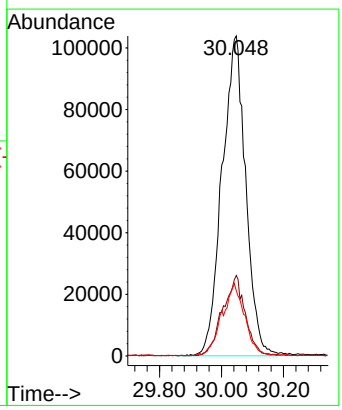




#92
Benzo(g,h,i)perylene
Concen: 9.489 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025394.D
Acq: 14 Aug 2025 13:56

Tgt Ion:276 Resp: 548117

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.4	29.0
138	20.4	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	141721	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	603797	20.000	ng		0.00
39) Acenaphthene-d10	14.413	164	399034	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	785736	20.000	ng		0.01
76) Chrysene-d12	21.654	240	852065	20.000	ng		0.00
86) Perylene-d12	25.036	264	958651	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	338568	39.674	ng		0.00
7) Phenol-d6	6.966	99	434388	39.702	ng		0.00
23) Nitrobenzene-d5	8.931	82	473937	39.706	ng		0.00
42) 2,4,6-Tribromophenol	15.925	330	212968	39.651	ng		0.01
45) 2-Fluorobiphenyl	13.025	172	1203064	41.205	ng		0.00
79) Terphenyl-d14	19.930	244	1869951	40.152	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	67276	20.126	ng		99
3) Pyridine	3.731	79	177948	19.450	ng		98
4) n-Nitrosodimethylamine	3.637	42	72627	19.255	ng	#	96
6) Aniline	7.125	93	287645	19.513	ng		99
8) 2-Chlorophenol	7.366	128	190858	19.819	ng		99
9) Benzaldehyde	6.937	77	135464	17.672	ng		99
10) Phenol	6.990	94	228580	19.910	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	180390	20.159	ng		98
12) 1,3-Dichlorobenzene	7.684	146	213023	20.061	ng		99
13) 1,4-Dichlorobenzene	7.825	146	216400	19.938	ng		99
14) 1,2-Dichlorobenzene	8.143	146	211243	20.106	ng		99
15) Benzyl Alcohol	8.019	79	170736	19.640	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	242616	20.240	ng		99
17) 2-Methylphenol	8.225	107	159119	19.956	ng		98
18) Hexachloroethane	8.866	117	78205	19.597	ng		94
19) n-Nitroso-di-n-propyla...	8.584	70	149715	20.633	ng		97
20) 3+4-Methylphenols	8.543	107	217240	19.655	ng		98
22) Acetophenone	8.596	105	305812	20.196	ng		99
24) Nitrobenzene	8.972	77	210234	19.708	ng		100
25) Isophorone	9.496	82	422370	19.995	ng		99
26) 2-Nitrophenol	9.678	139	106805	19.509	ng		98
27) 2,4-Dimethylphenol	9.743	122	178534	18.963	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	256656	20.100	ng		99
29) 2,4-Dichlorophenol	10.207	162	186076	19.896	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	201995	19.702	ng		98
31) Naphthalene	10.613	128	625899	19.944	ng		99
32) Benzoic acid	9.843	122	112932	16.287	ng		97
33) 4-Chloroaniline	10.713	127	270158	19.489	ng		99
34) Hexachlorobutadiene	10.901	225	127593	19.983	ng		99
35) Caprolactam	11.484	113	66168	19.294	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	209817	19.551	ng		97
37) 2-Methylnaphthalene	12.219	142	409613	20.057	ng		99
38) 1-Methylnaphthalene	12.443	142	430666	19.829	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	233523	20.263	ng		99
41) Hexachlorocyclopentadiene	12.572	237	124759	17.922	ng		98
43) 2,4,6-Trichlorophenol	12.831	196	152031	19.540	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	169197	19.842	ng	98
46) 1,1'-Biphenyl	13.237	154	581464	20.064	ng	100
47) 2-Chloronaphthalene	13.272	162	456552	20.237	ng	98
48) 2-Nitroaniline	13.478	65	126433	19.233	ng	99
49) Acenaphthylene	14.137	152	737527	19.756	ng	99
50) Dimethylphthalate	13.866	163	573661	19.632	ng	100
51) 2,6-Dinitrotoluene	13.966	165	120693	19.597	ng	96
52) Acenaphthene	14.484	154	469441	21.423	ng	99
53) 3-Nitroaniline	14.301	138	134502	19.410	ng	97
54) 2,4-Dinitrophenol	14.519	184	55713	16.939	ng	98
55) Dibenzofuran	14.819	168	692966	20.002	ng	99
56) 4-Nitrophenol	14.619	139	105787	18.578	ng	98
57) 2,4-Dinitrotoluene	14.772	165	172020	19.576	ng	96
58) Fluorene	15.478	166	554647	20.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.048	232	145926	19.381	ng	99
60) Diethylphthalate	15.248	149	584590	19.689	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	270949	19.929	ng	98
62) 4-Nitroaniline	15.478	138	139202	19.595	ng	100
63) Azobenzene	15.766	77	508563	20.004	ng	100
65) 4,6-Dinitro-2-methylph...	15.548	198	88992	18.169	ng	97
66) n-Nitrosodiphenylamine	15.684	169	477080	19.911	ng	99
67) 4-Bromophenyl-phenylether	16.389	248	170738	19.758	ng	97
68) Hexachlorobenzene	16.495	284	199410	19.906	ng	99
69) Atrazine	16.666	200	179513	20.006	ng	99
70) Pentachlorophenol	16.848	266	120958	19.128	ng	99
71) Phenanthrene	17.254	178	872890	20.223	ng	99
72) Anthracene	17.342	178	890292	20.198	ng	100
73) Carbazole	17.625	167	843970	20.328	ng	99
74) Di-n-butylphthalate	18.219	149	1046709	20.491	ng	100
75) Fluoranthene	19.342	202	1058912	20.567	ng	99
77) Benzidine	19.525	184	546647	18.799	ng	99
78) Pyrene	19.713	202	1096965	19.807	ng	99
80) Butylbenzylphthalate	20.666	149	504019	20.081	ng	97
81) Benzo(a)anthracene	21.630	228	1118590	19.906	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	432075	20.399	ng	100
83) Chrysene	21.707	228	1063898	20.216	ng	99
84) Bis(2-ethylhexyl)phtha...	21.577	149	744704	20.155	ng	99
85) Di-n-octyl phthalate	22.871	149	1276798	20.091	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	1166289	16.584	ng	94
88) Benzo(b)fluoranthene	23.948	252	1122408	19.855	ng	100
89) Benzo(k)fluoranthene	24.018	252	1150366	20.336	ng	100
90) Benzo(a)pyrene	24.854	252	1102804	20.041	ng	100
91) Dibenzo(a,h)anthracene	28.965	278	1130209	19.672	ng	98
92) Benzo(g,h,i)perylene	30.053	276	1120307	19.840	ng	99

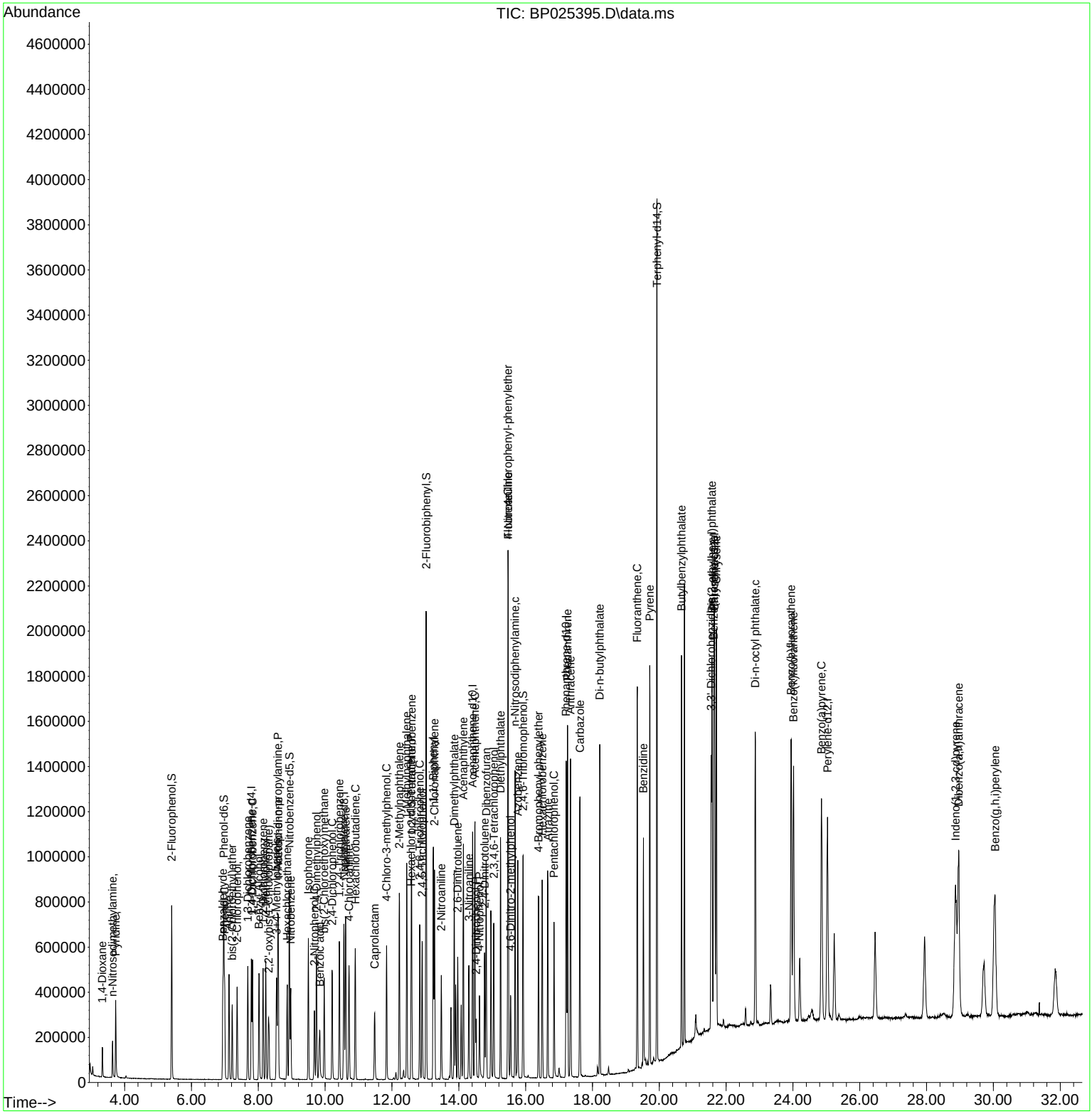
(#) = qualifier out of range (m) = manual integration (+) = signals summed

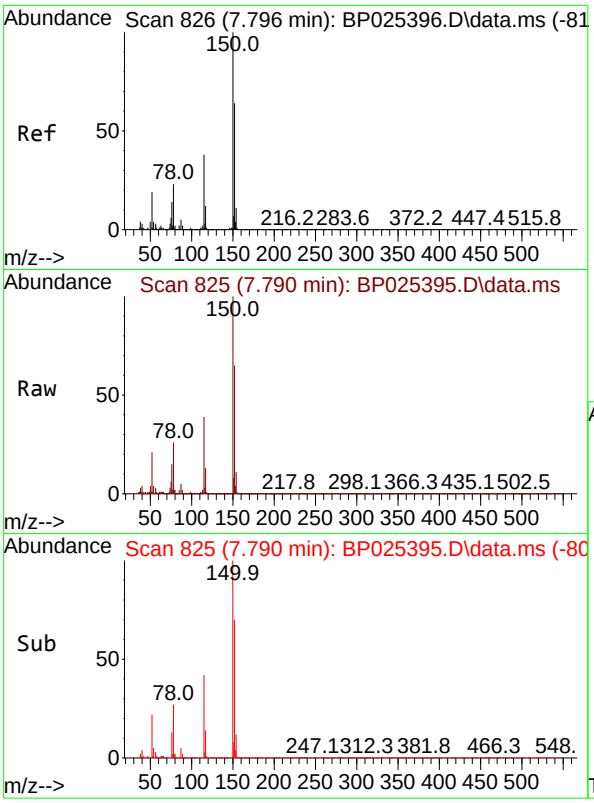
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025395.D
Acq On : 14 Aug 2025 14:38
Operator : CG/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Aug 14 17:54:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



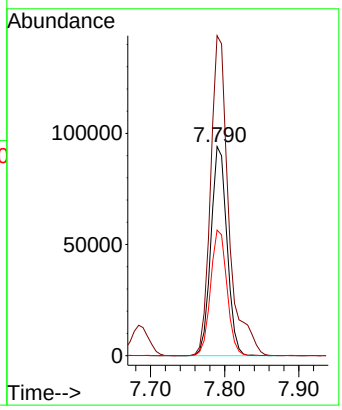


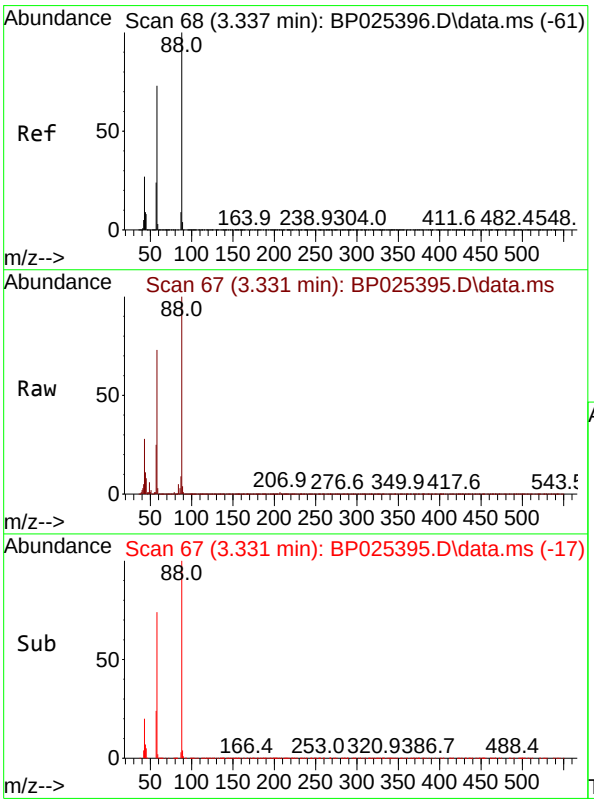
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 141721

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.9	188.9
115	60.0	48.5	72.7

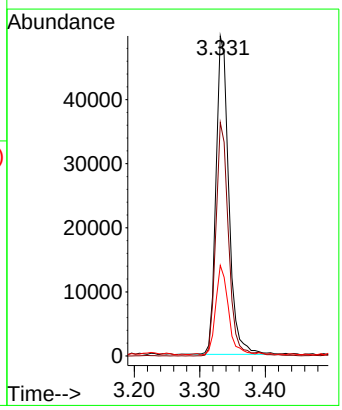


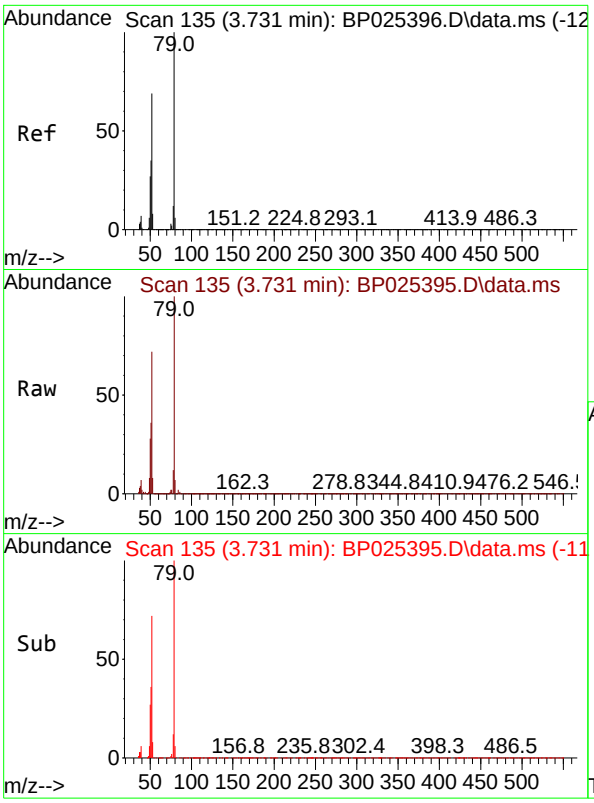


#2
1,4-Dioxane
Concen: 20.126 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 88 Resp: 67276

Ion	Ratio	Lower	Upper
88	100		
58	73.2	59.2	88.8
43	27.9	21.7	32.5



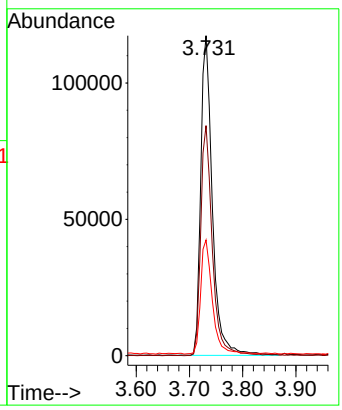


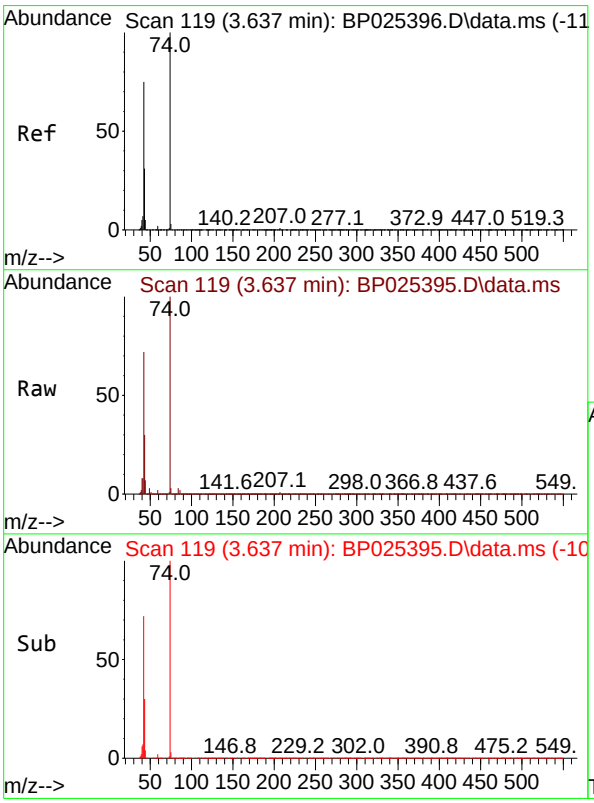
#3
Pyridine
Concen: 19.450 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 177948

Ion	Ratio	Lower	Upper
79	100		
52	71.9	55.5	83.3
51	36.1	28.3	42.5

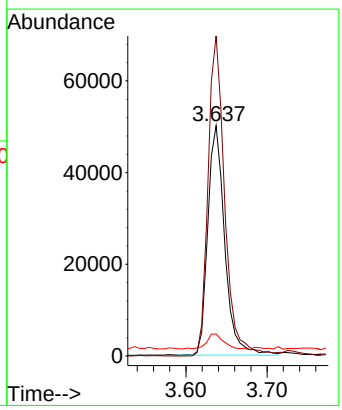


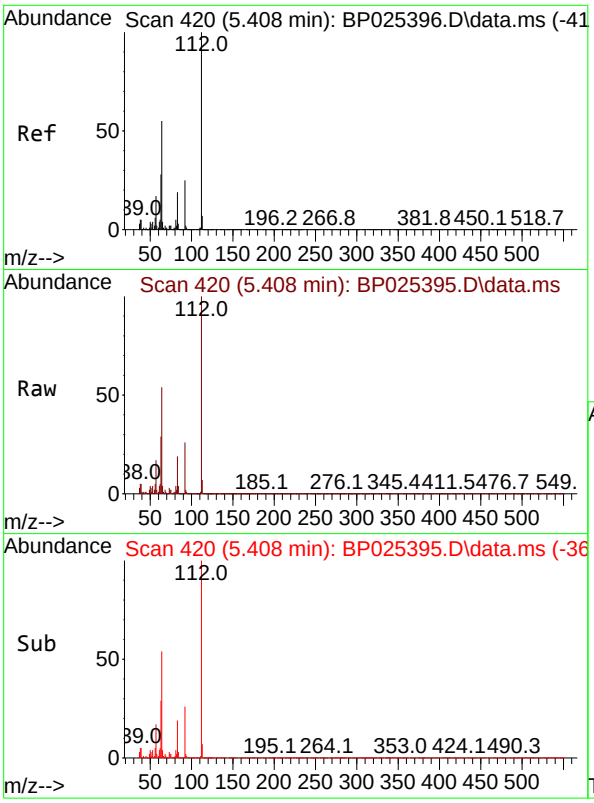


#4
n-Nitrosodimethylamine
Concen: 19.255 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 42 Resp: 72627

Ion	Ratio	Lower	Upper
42	100		
74	138.9	107.0	160.4
44	9.5	6.2	9.4#



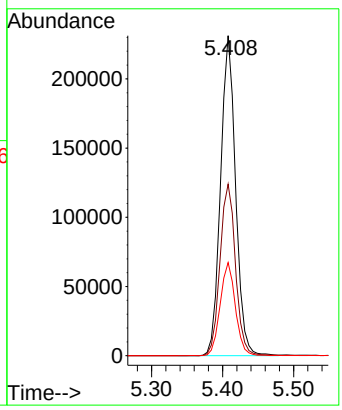


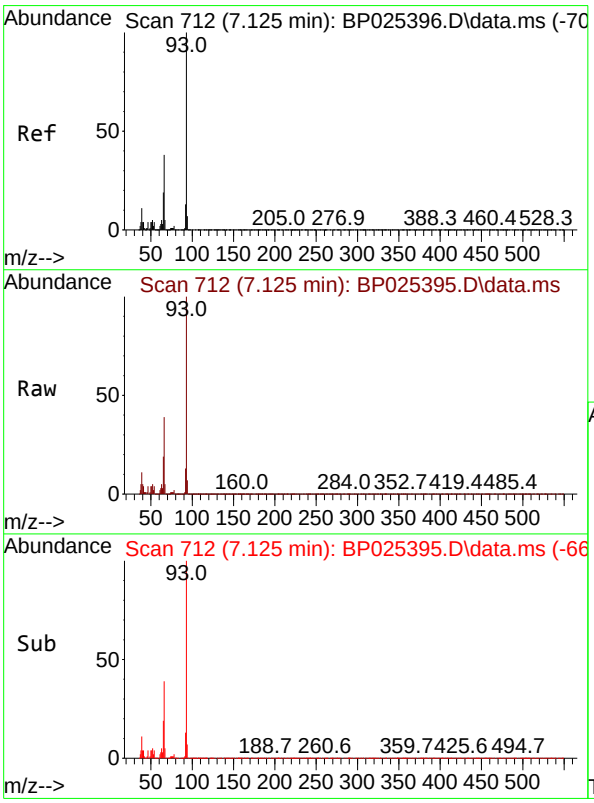
#5
2-Fluorophenol
Concen: 39.674 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 338568

Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.8	65.8
63	29.1	22.7	34.1

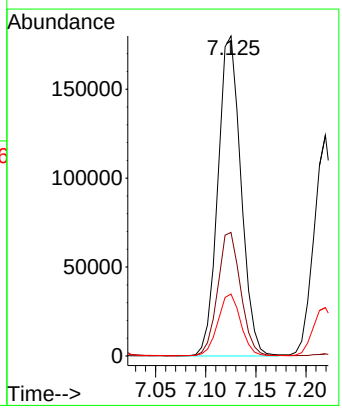


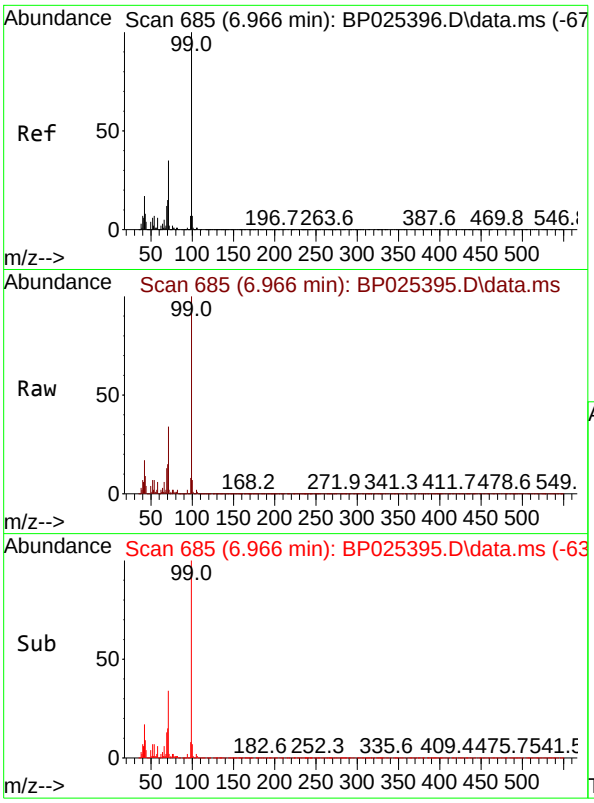


#6
Aniline
Concen: 19.513 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 287645

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.4	45.6
65	19.4	15.3	22.9



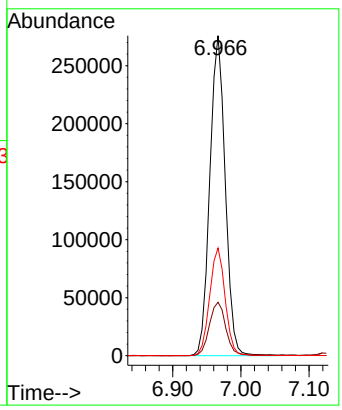


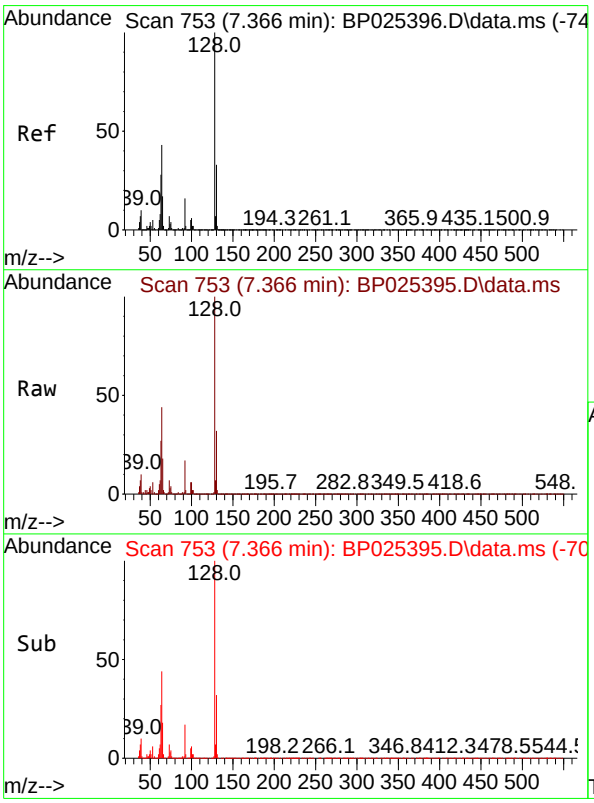
#7
Phenol-d6
Concen: 39.702 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 434388

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	33.7	28.2	42.4

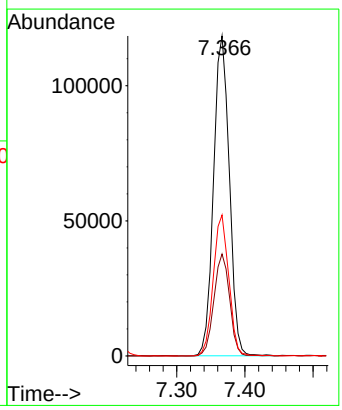


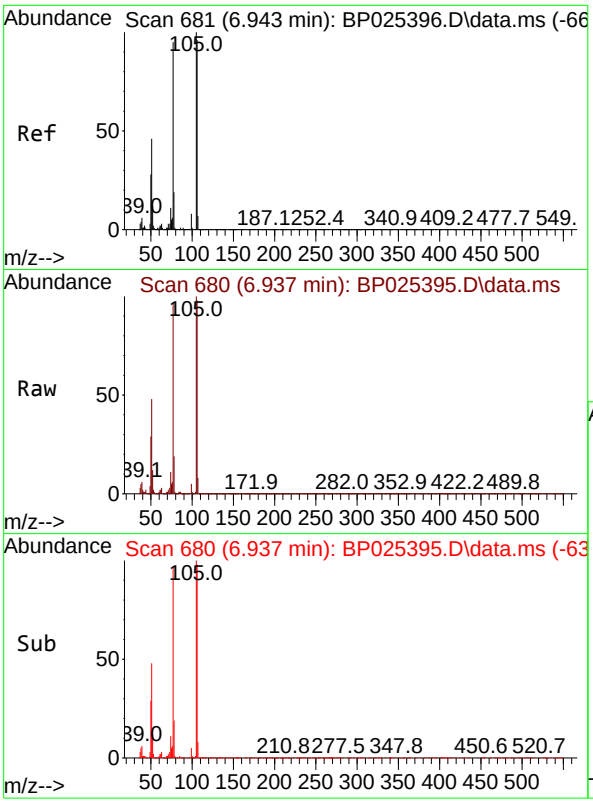


#8
2-Chlorophenol
Concen: 19.819 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:128 Resp: 190858

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	44.0	23.4	63.4



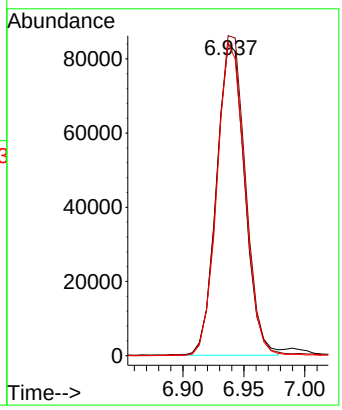


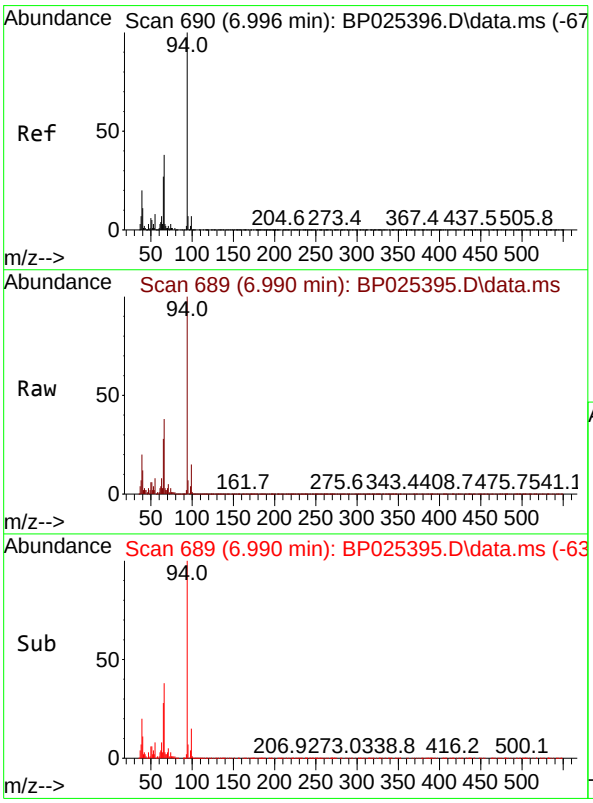
#9
Benzaldehyde
Concen: 17.672 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 135464

Ion	Ratio	Lower	Upper
77	100		
105	102.7	84.8	124.8
106	100.6	80.5	120.5

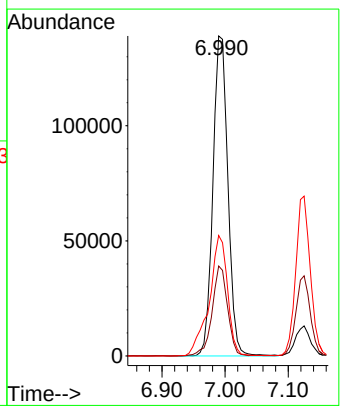


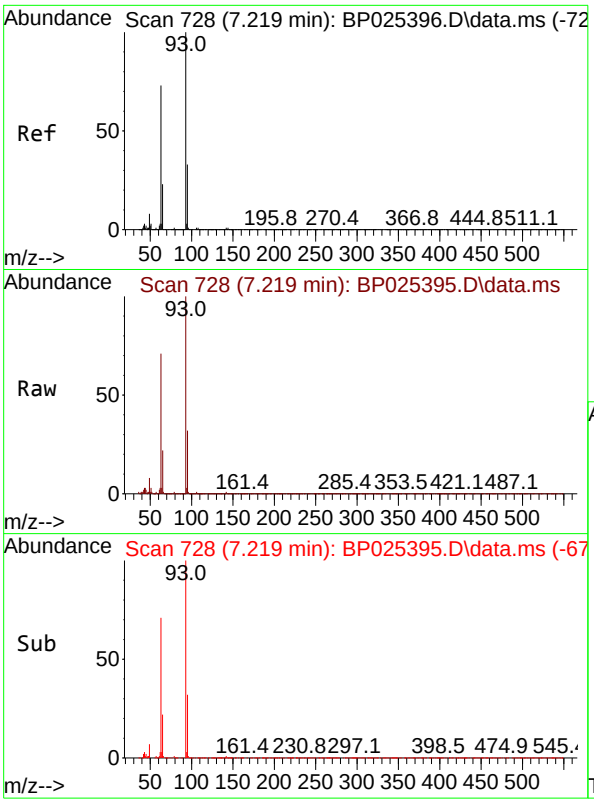


#10
Phenol
Concen: 19.910 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 94 Resp: 228580

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	37.7	18.2	58.2



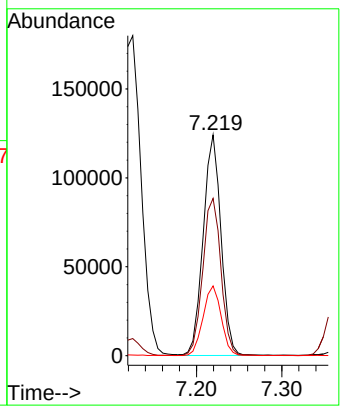


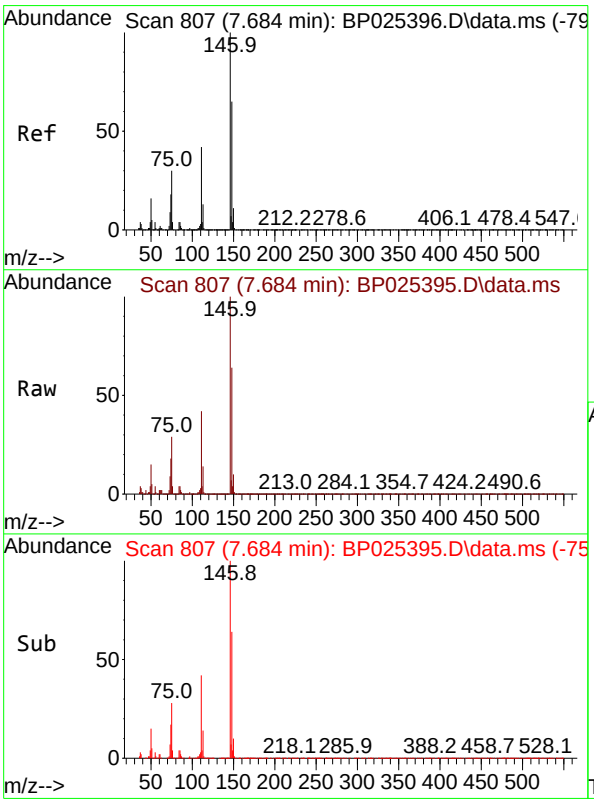
#11
bis(2-Chloroethyl)ether
Concen: 20.159 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 180390

Ion	Ratio	Lower	Upper
93	100		
63	71.2	52.6	92.6
95	31.6	12.7	52.7

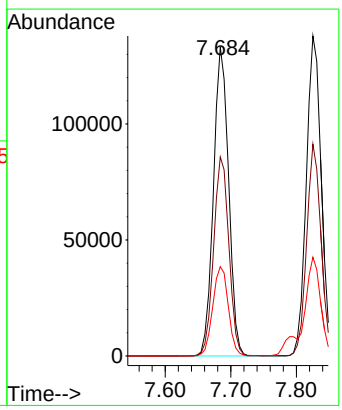


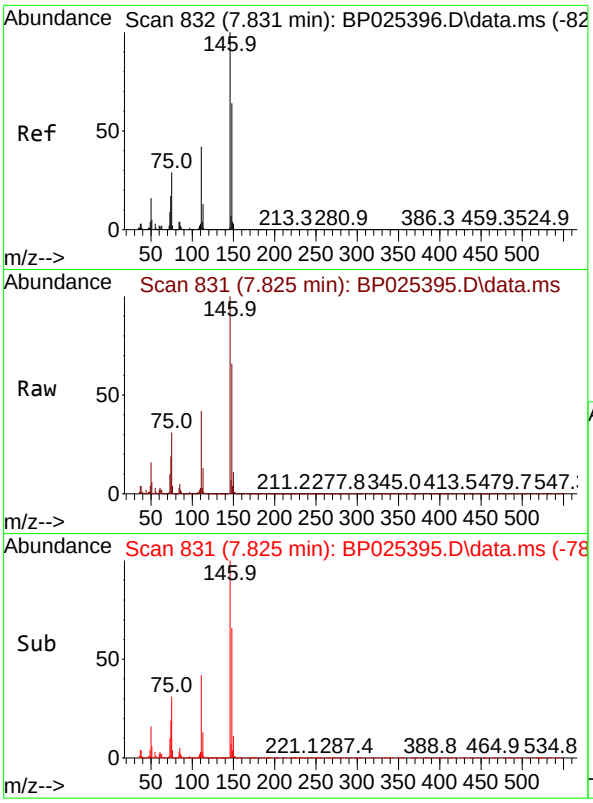


#12
1,3-Dichlorobenzene
Concen: 20.061 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 213023

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	28.9	23.7	35.5



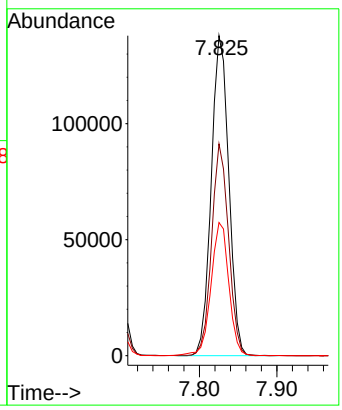


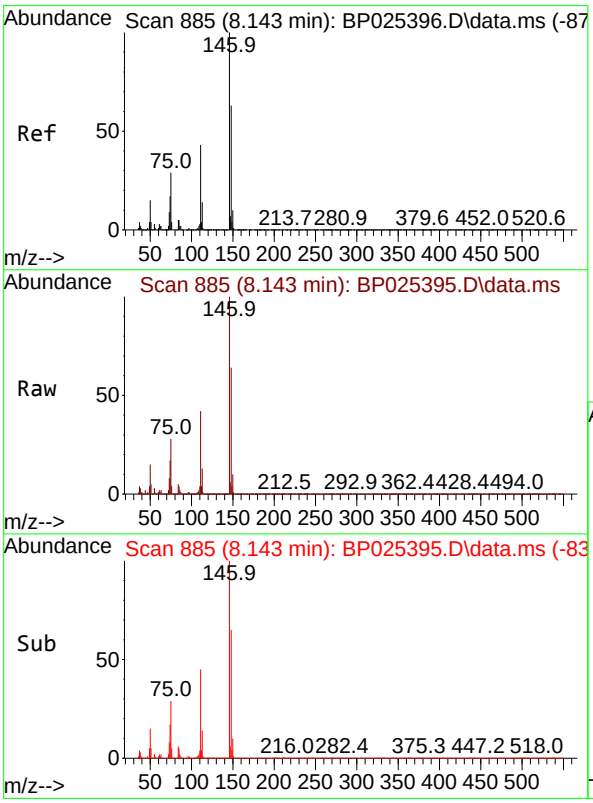
#13
1,4-Dichlorobenzene
Concen: 19.938 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 216400

Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.6	77.4
111	41.6	33.4	50.0

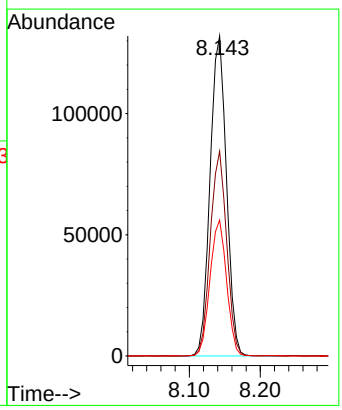


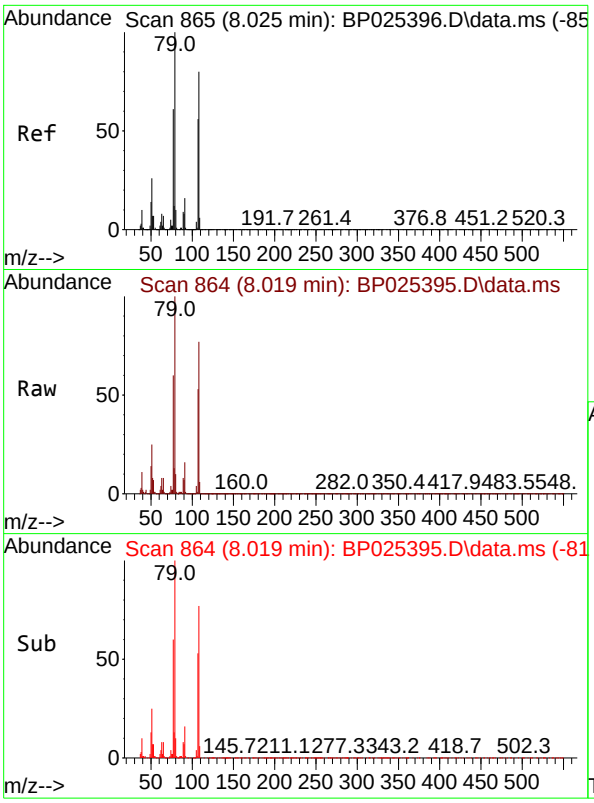


#14
1,2-Dichlorobenzene
Concen: 20.106 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:146 Resp: 211243

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	42.4	34.5	51.7



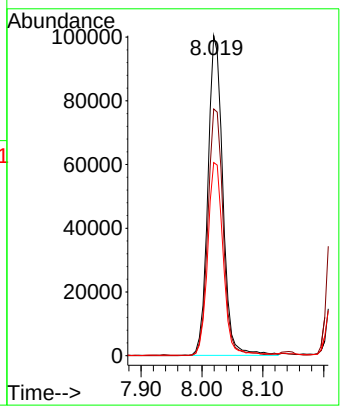


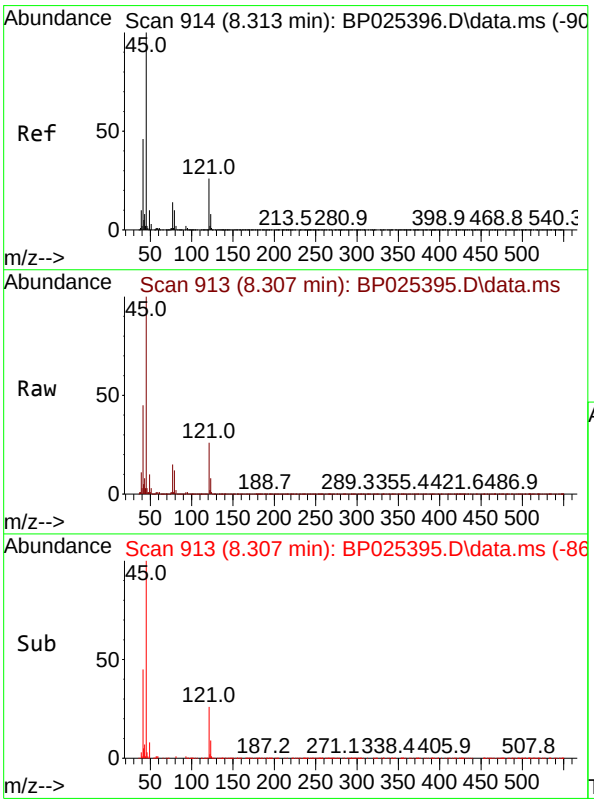
#15
Benzyl Alcohol
Concen: 19.640 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 170736

Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.8	95.6
77	60.3	49.0	73.4

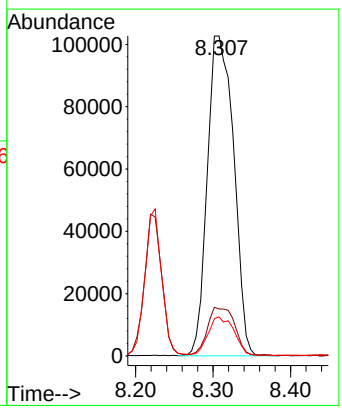


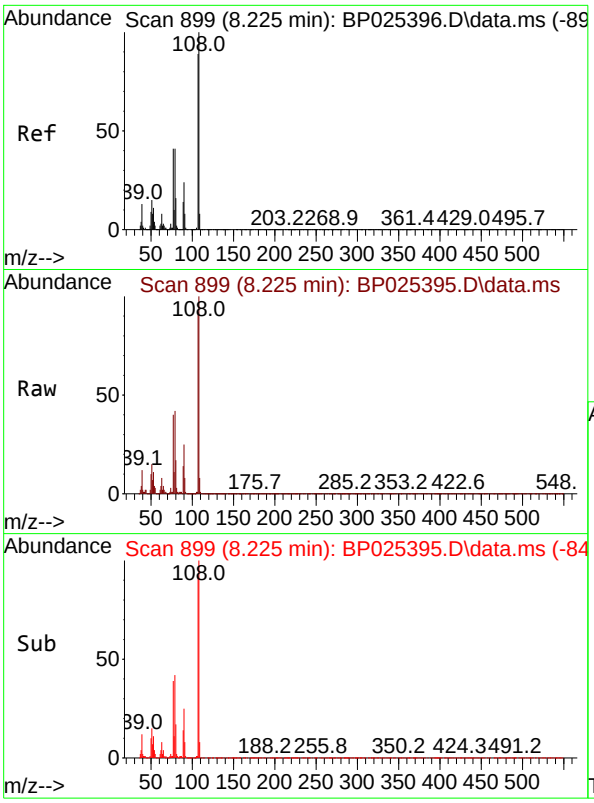


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.240 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 45 Resp: 242616

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	12.2	0.0	31.8



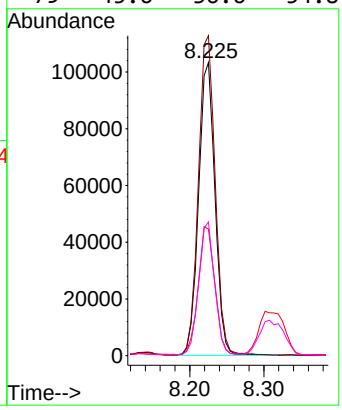


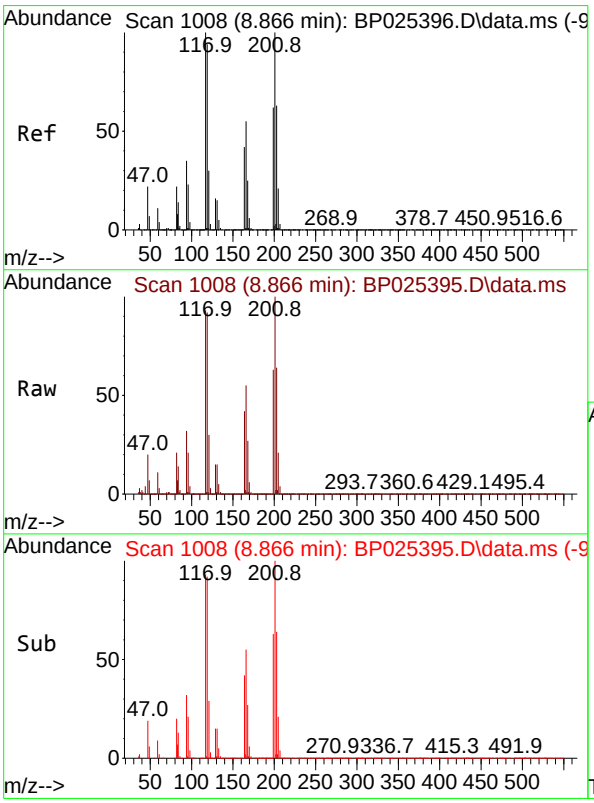
#17
2-Methylphenol
Concen: 19.956 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 159119

Ion	Ratio	Lower	Upper
107	100		
108	109.2	89.4	134.0
77	43.2	36.3	54.5
79	45.6	36.6	54.8

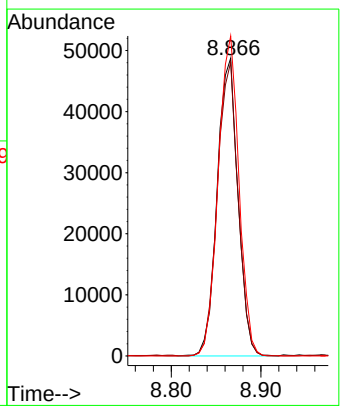


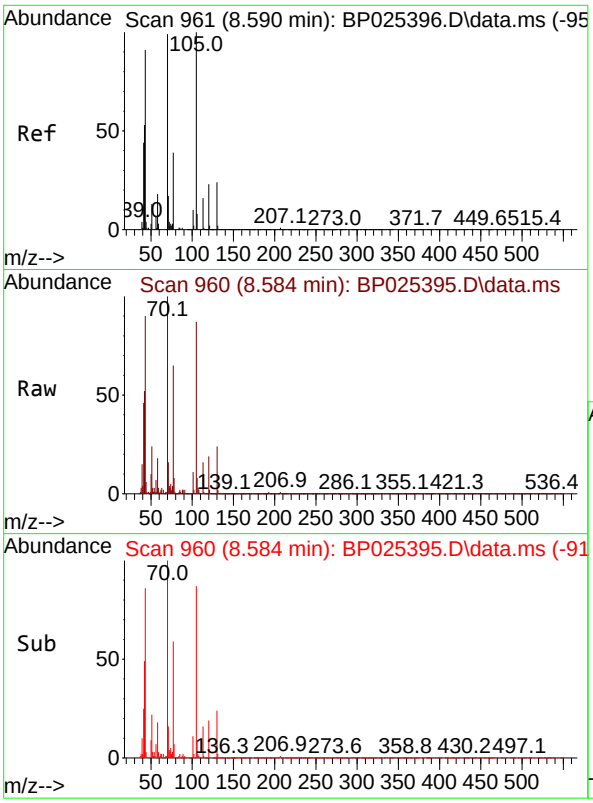


#18
Hexachloroethane
Concen: 19.597 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:117 Resp: 78205

Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.1	112.7
201	107.5	80.1	120.1



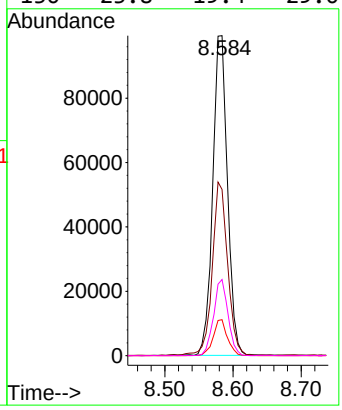


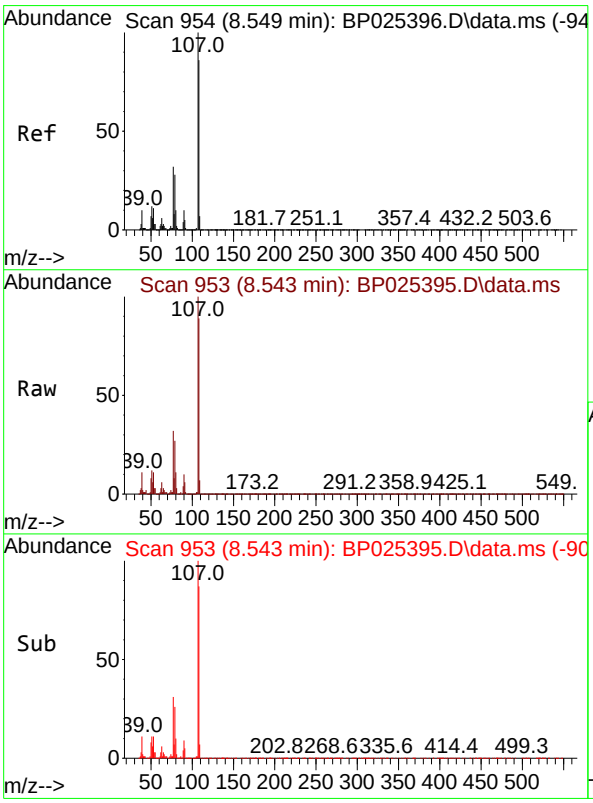
#19
n-Nitroso-di-n-propylamine
Concen: 20.633 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 149715

Ion	Ratio	Lower	Upper
70	100		
42	52.0	43.8	65.6
101	11.3	8.5	12.7
130	23.8	19.4	29.0

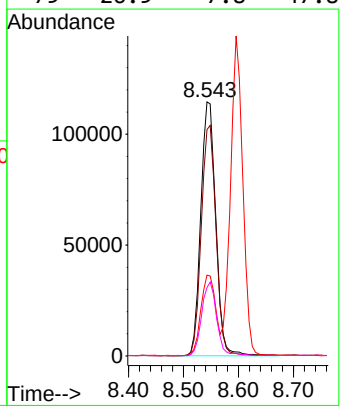


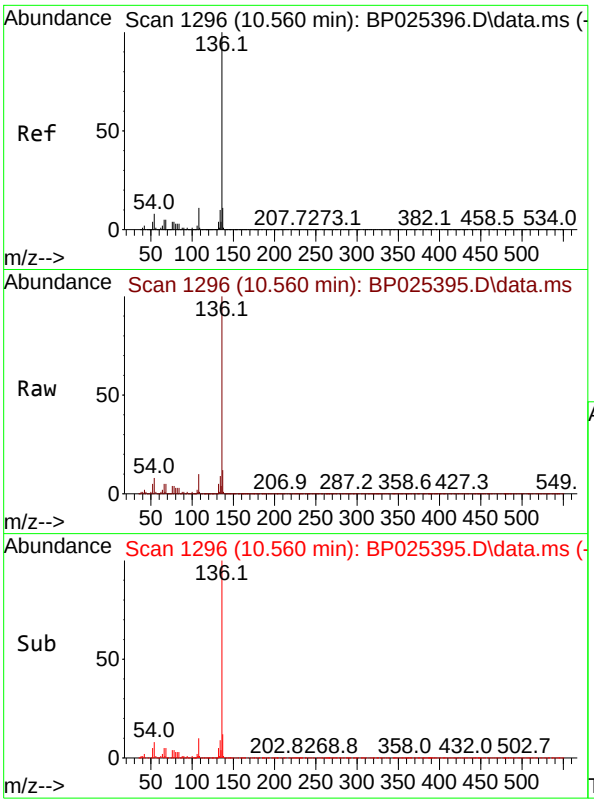


#20
3+4-Methylphenols
Concen: 19.655 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 217240

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	31.8	12.3	52.3
79	26.9	7.8	47.8



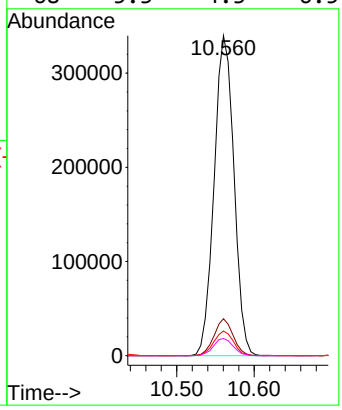


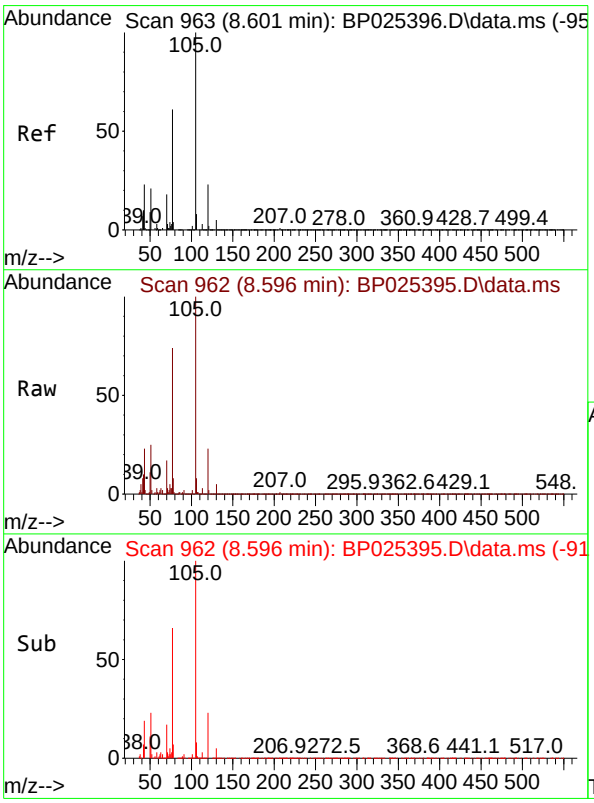
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 603797

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5

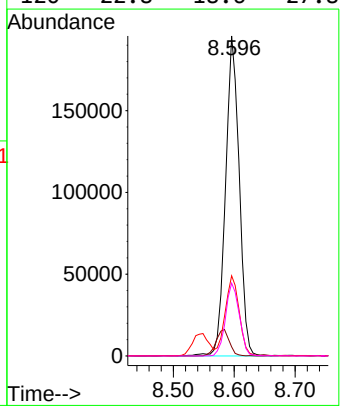


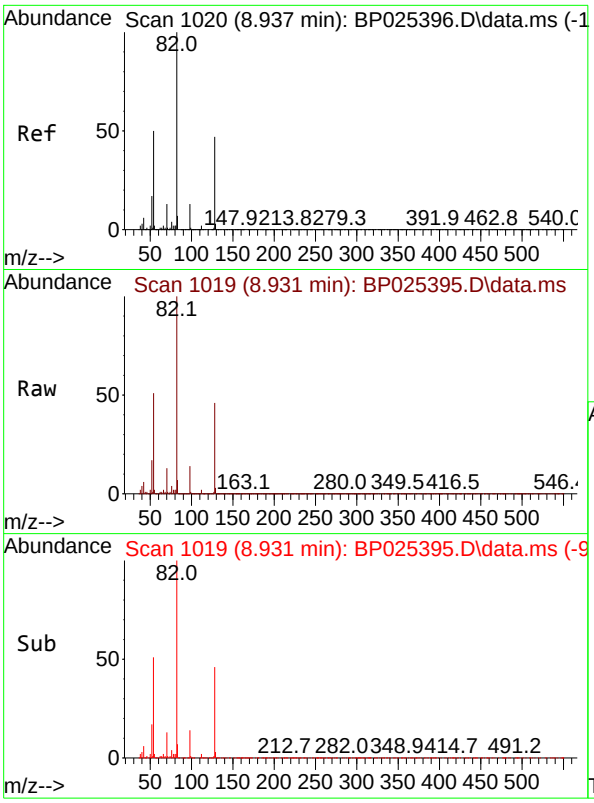


#22
Acetophenone
Concen: 20.196 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:105 Resp: 305812

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.6	4.0
51	25.0	20.6	30.8
120	22.8	18.6	27.8



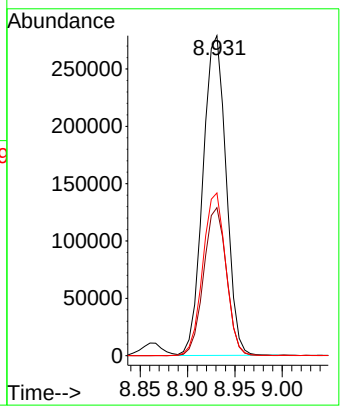


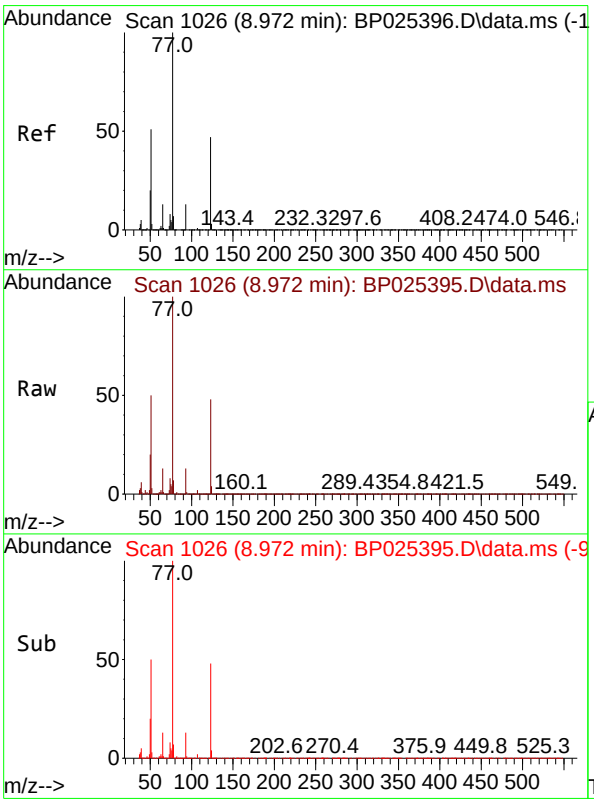
#23
Nitrobenzene-d5
Concen: 39.706 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 473937

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	50.8	39.8	59.6

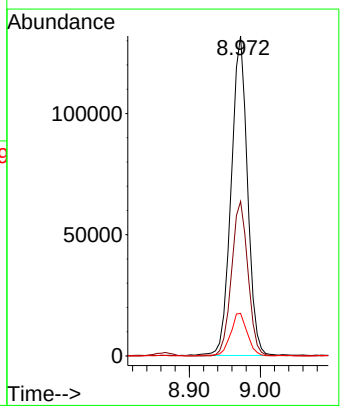


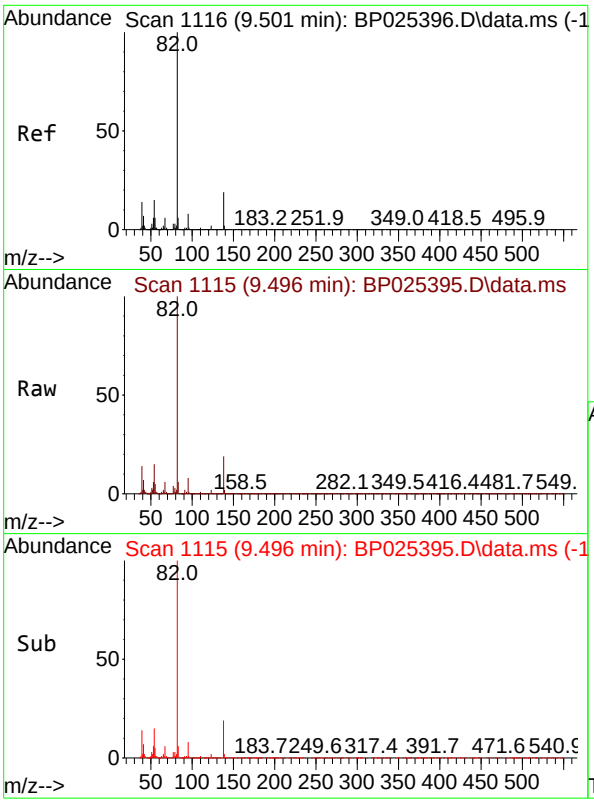


#24
Nitrobenzene
Concen: 19.708 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 77 Resp: 210234

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.3	10.6	15.8



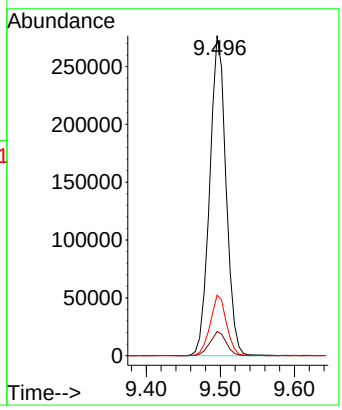


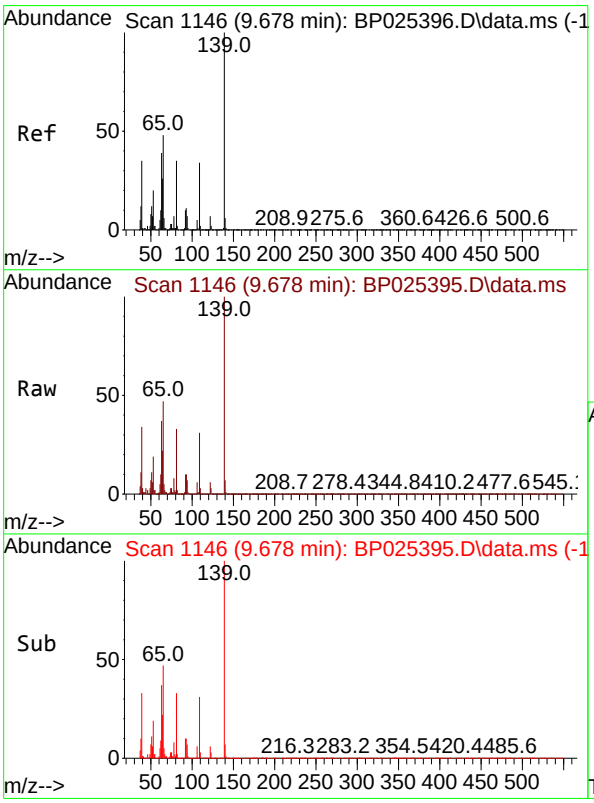
#25
Isophorone
Concen: 19.995 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 422370

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	18.9	15.4	23.0

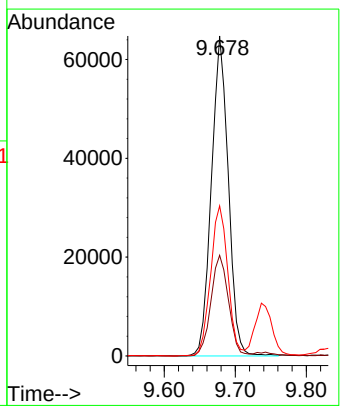


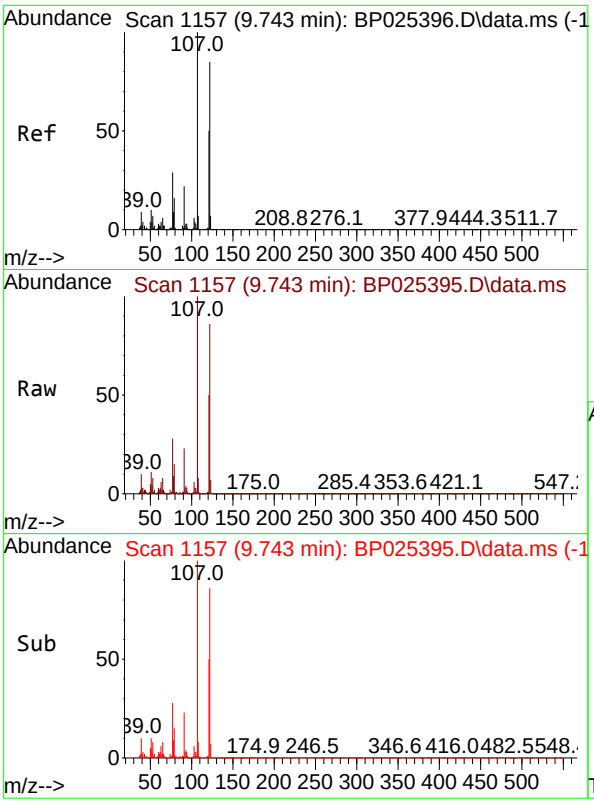


#26
2-Nitrophenol
Concen: 19.509 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 106805

Ion	Ratio	Lower	Upper
139	100		
109	31.5	26.9	40.3
65	46.9	38.3	57.5



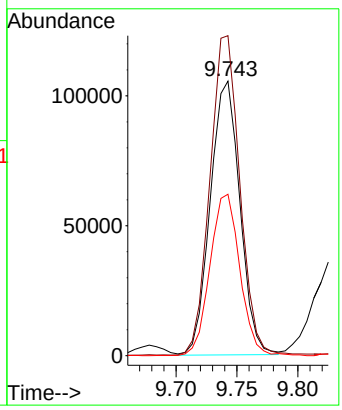


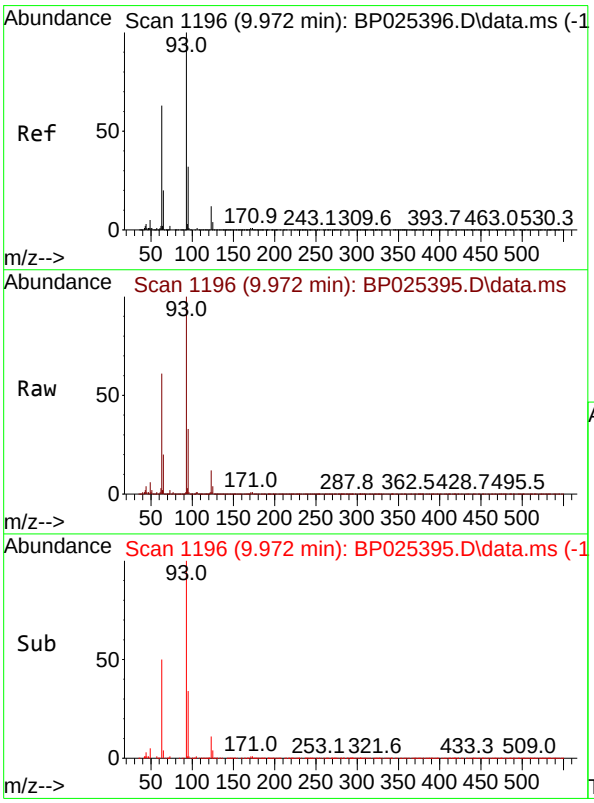
#27
2,4-Dimethylphenol
Concen: 18.963 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 178534

Ion	Ratio	Lower	Upper
122	100		
107	116.5	93.7	140.5
121	58.8	46.6	69.8

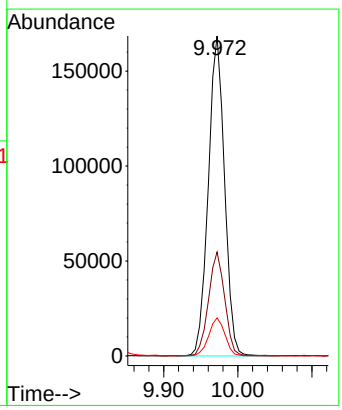


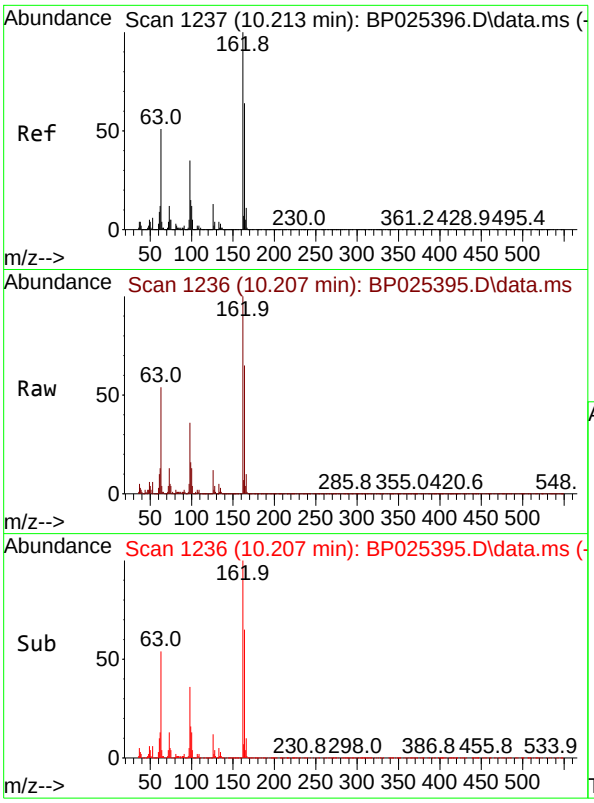


#28
bis(2-Chloroethoxy)methane
Concen: 20.100 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 93 Resp: 256656

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.0
123	11.9	9.4	14.0



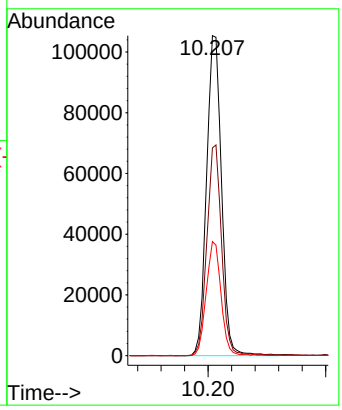


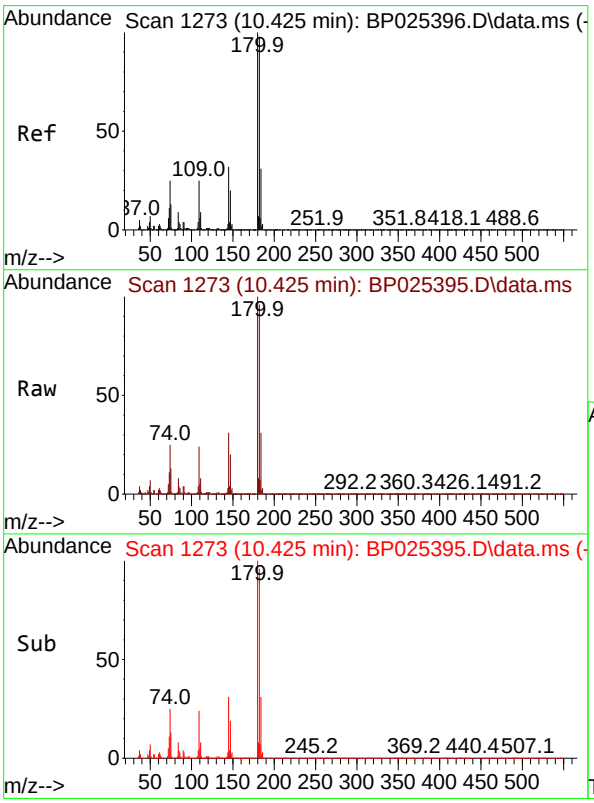
#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 186076

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.4	84.4
98	35.7	14.9	54.9

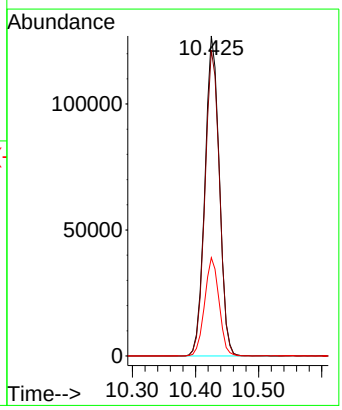


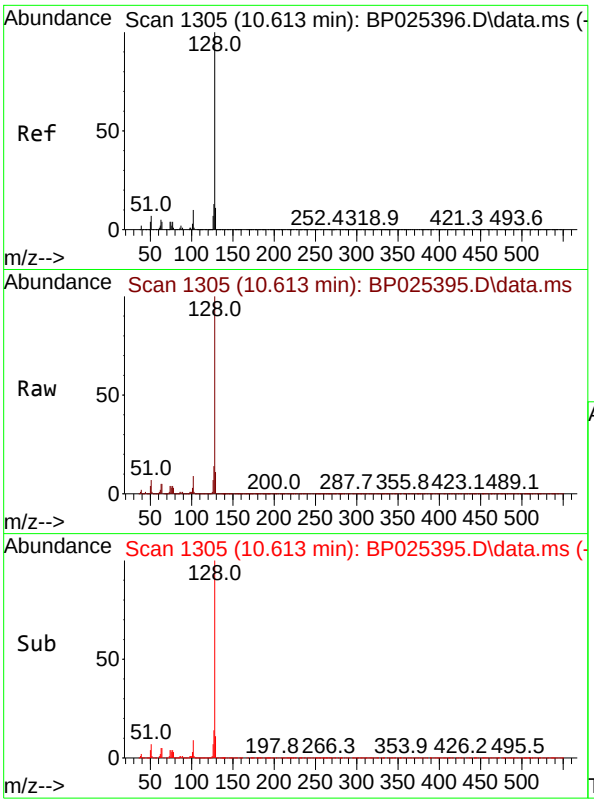


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:180 Resp: 201995

Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	30.7	25.9	38.9



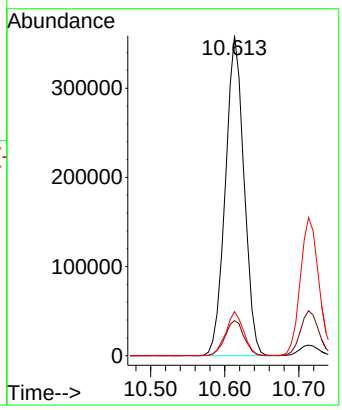


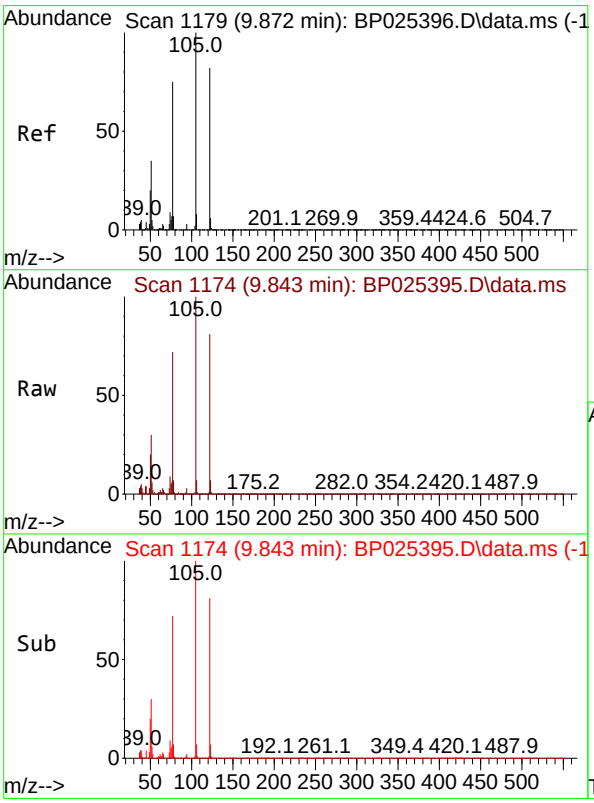
#31
Naphthalene
Concen: 19.944 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 625899

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.7	10.7	16.1

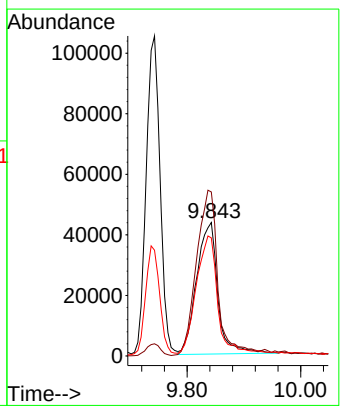


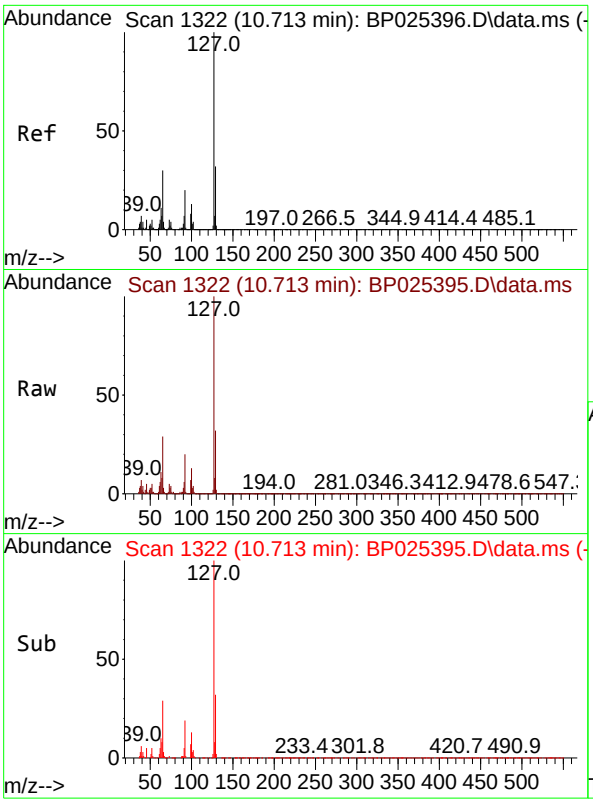


#32
Benzoic acid
Concen: 16.287 ng
RT: 9.843 min Scan# 1174
Delta R.T. -0.029 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:122 Resp: 112932

Ion	Ratio	Lower	Upper
122	100		
105	122.9	100.6	140.6
77	88.5	71.5	111.5



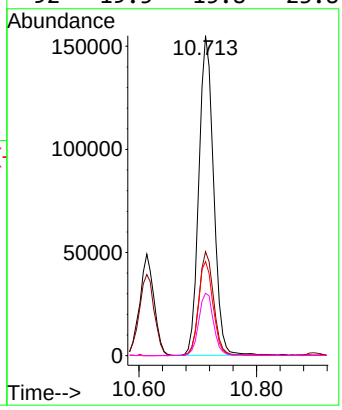


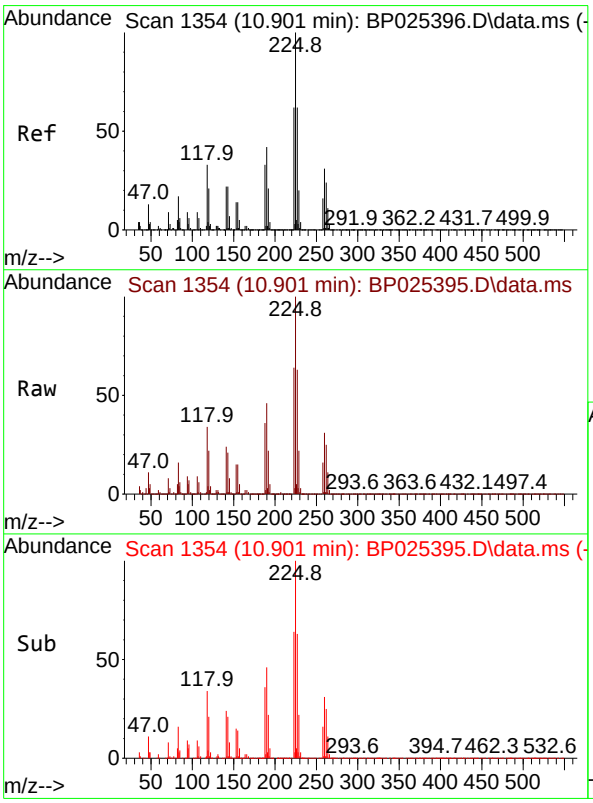
#33
4-Chloroaniline
Concen: 19.489 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 270158

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.4	38.2
65	29.4	23.8	35.6
92	19.5	15.8	23.8

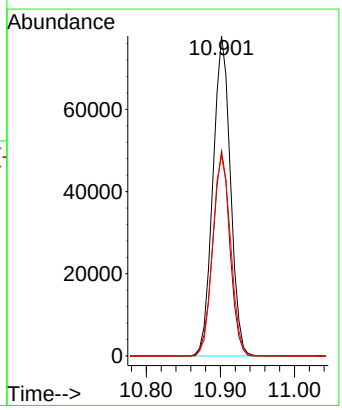


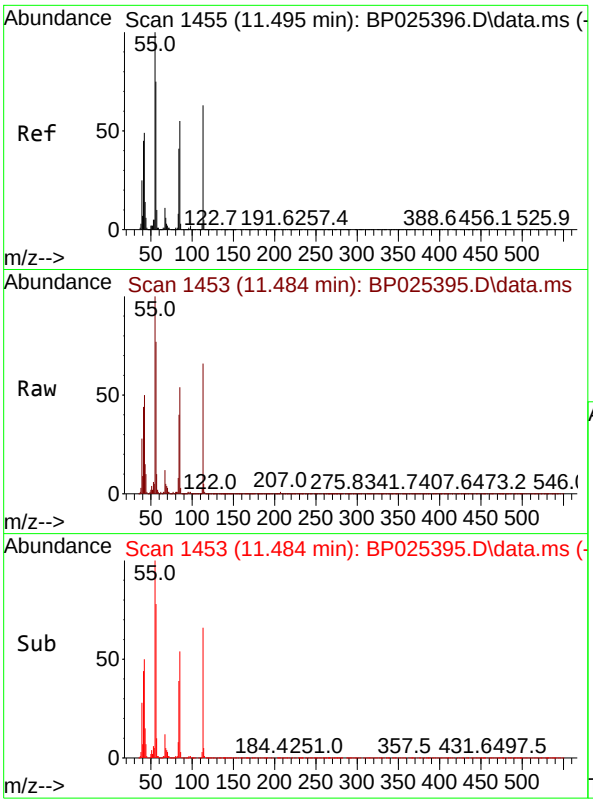


#34
Hexachlorobutadiene
Concen: 19.983 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:225 Resp: 127593

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	62.5	49.7	74.5



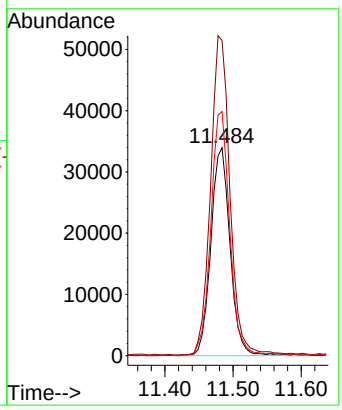


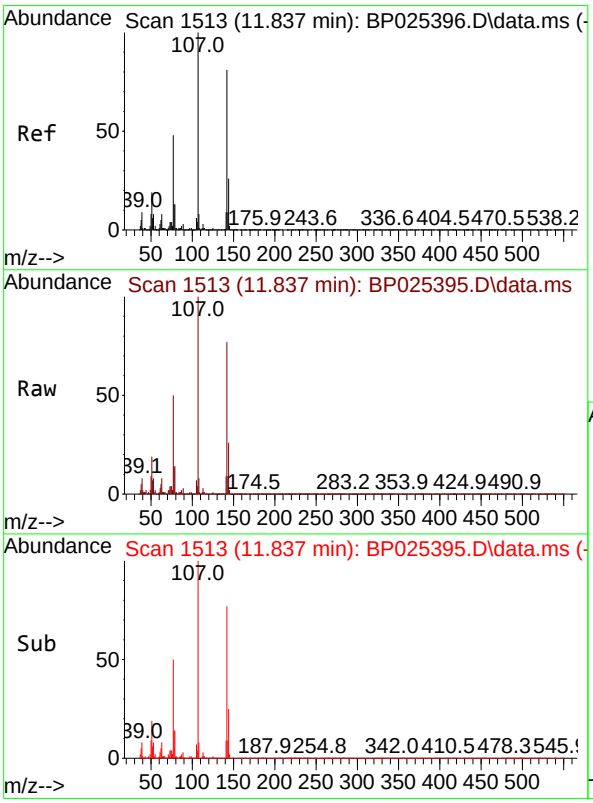
#35
Caprolactam
Concen: 19.294 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 66168

Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	117.4	100.0	140.0

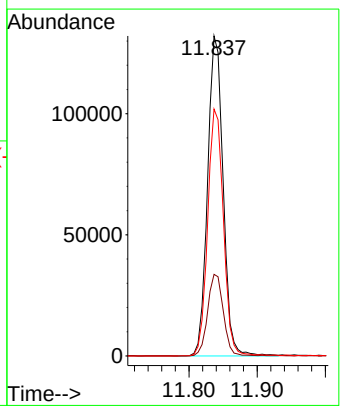


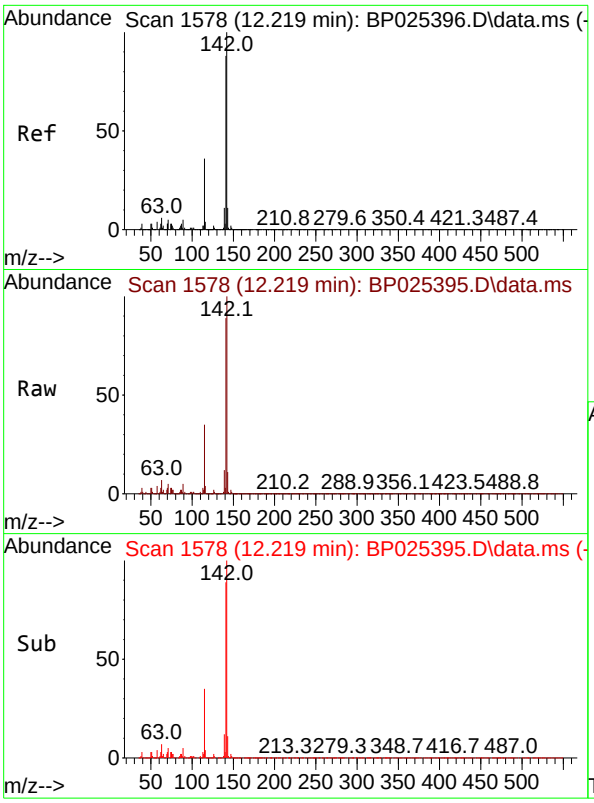


#36
4-Chloro-3-methylphenol
Concen: 19.551 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:107 Resp: 209817

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	77.1	64.6	97.0



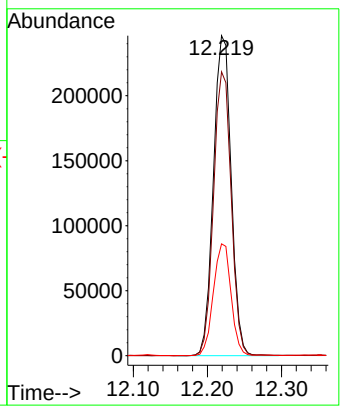


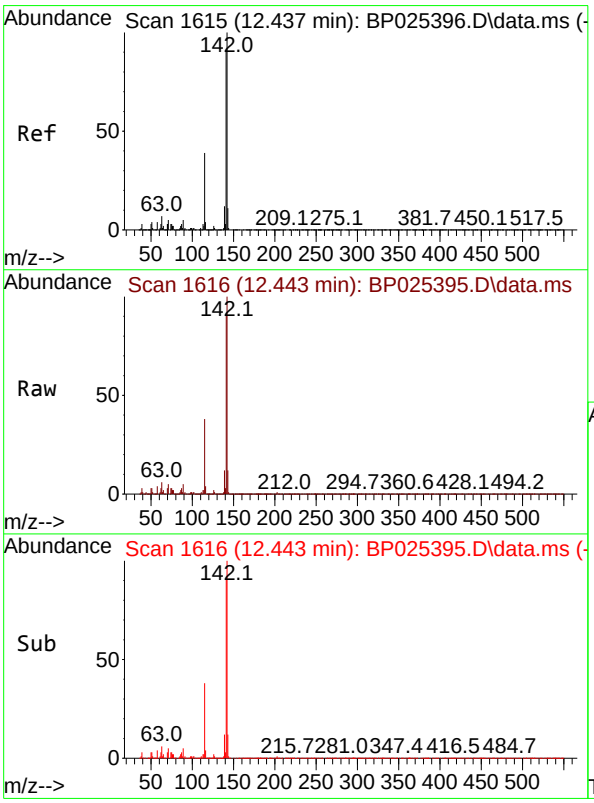
#37
2-Methylnaphthalene
Concen: 20.057 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 409613

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5
115	35.0	28.9	43.3

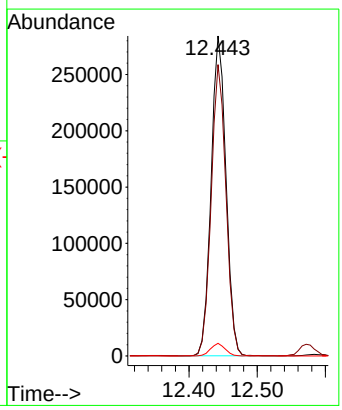


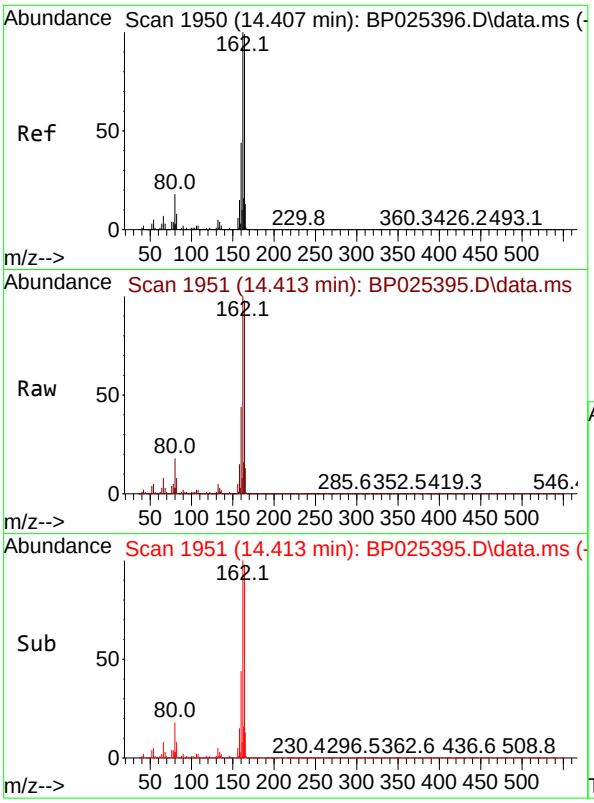


#38
1-Methylnaphthalene
Concen: 19.829 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:142 Resp: 430666

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.1	109.7
116	3.9	3.2	4.8



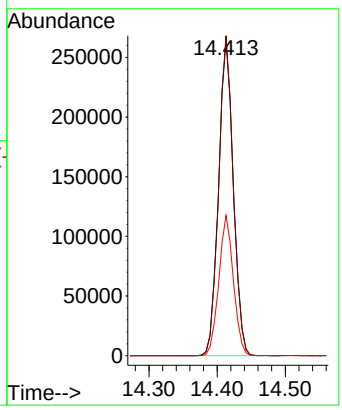


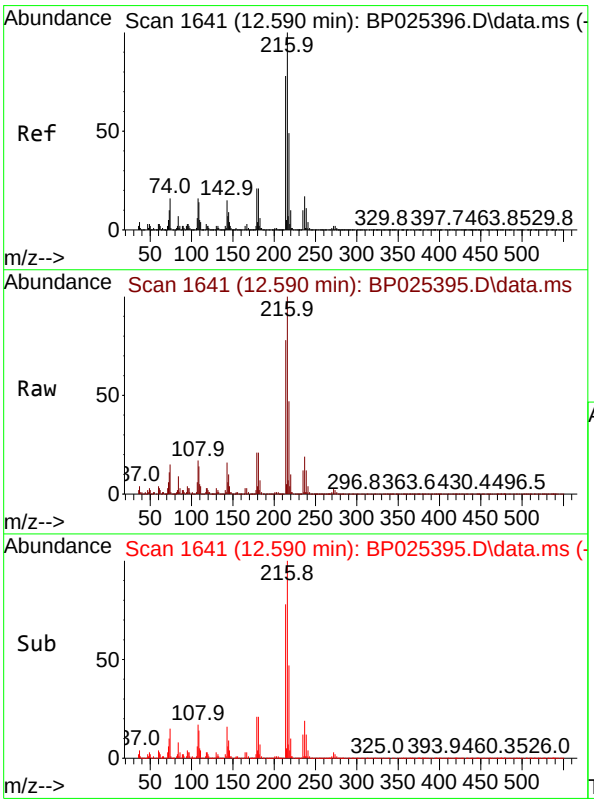
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 399034

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.6
160	44.6	35.4	53.2

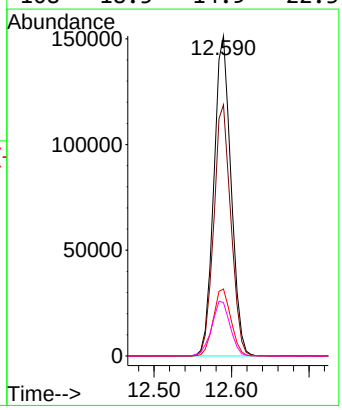


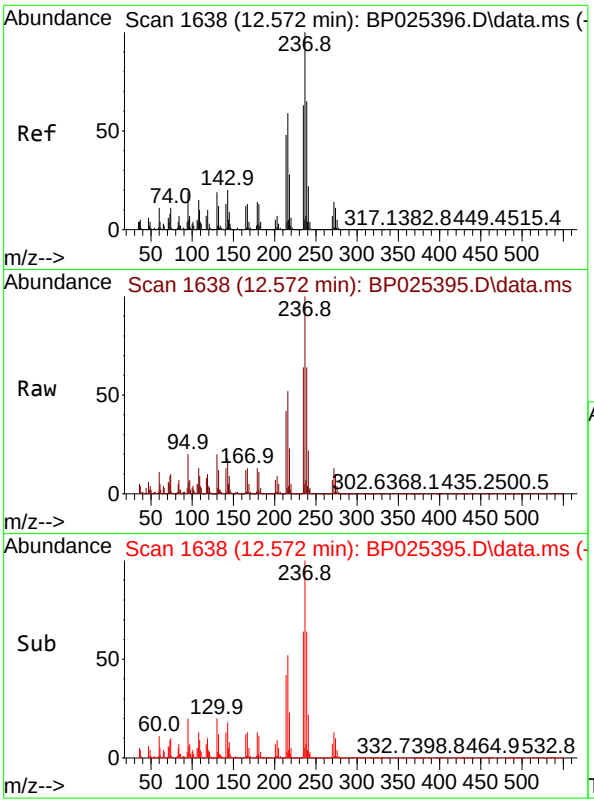


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.263 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:216 Resp: 233523

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.4
179	21.6	17.1	25.7
108	18.5	14.9	22.3



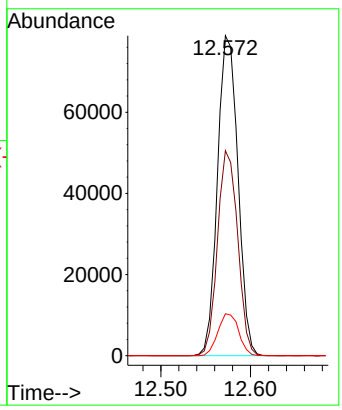


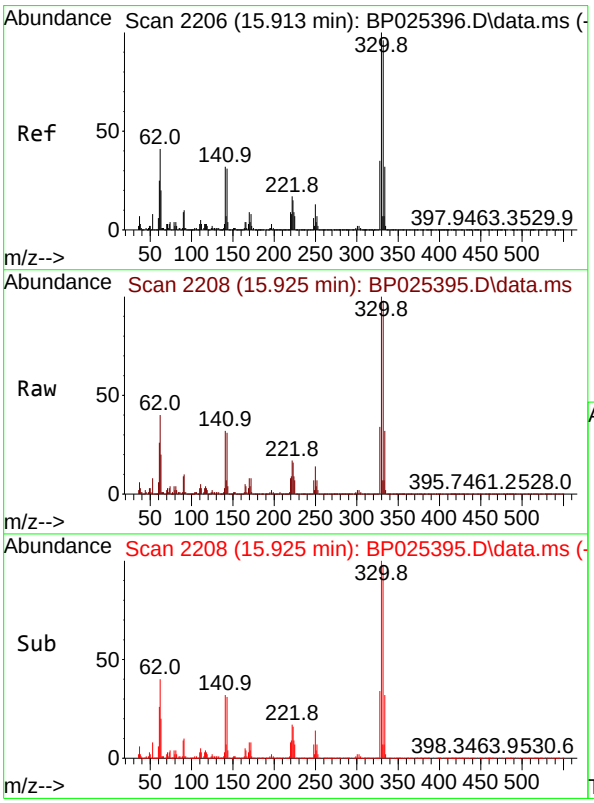
#41
Hexachlorocyclopentadiene
Concen: 17.922 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 124759

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.7	82.7
272	13.1	0.0	34.0

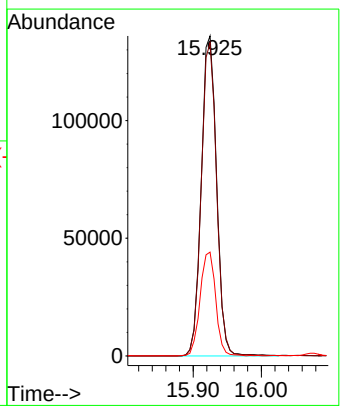


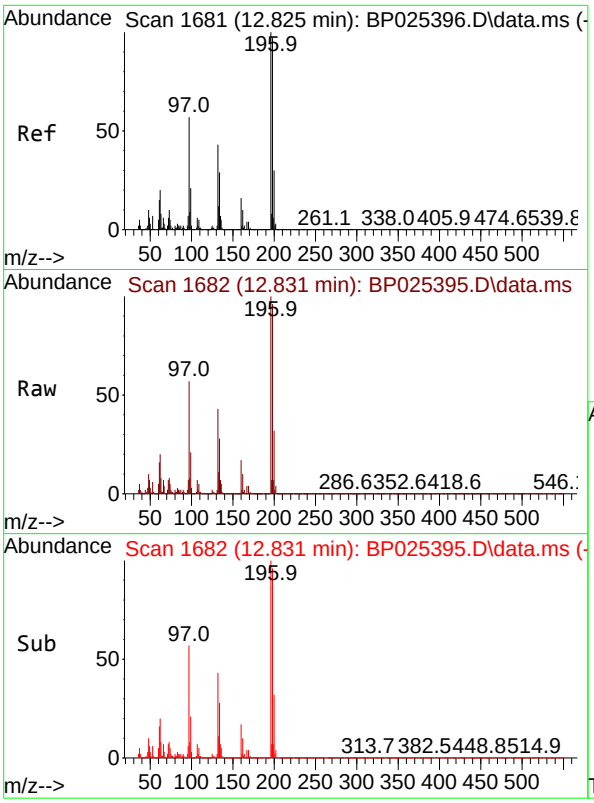


#42
2,4,6-Tribromophenol
Concen: 39.651 ng
RT: 15.925 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:330 Resp: 212968

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	32.8	26.6	39.8



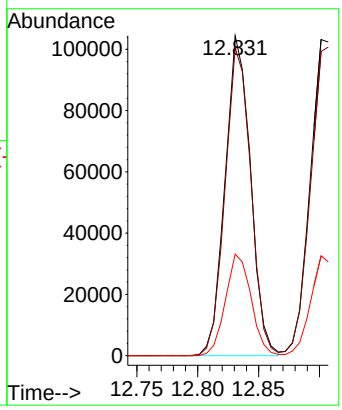


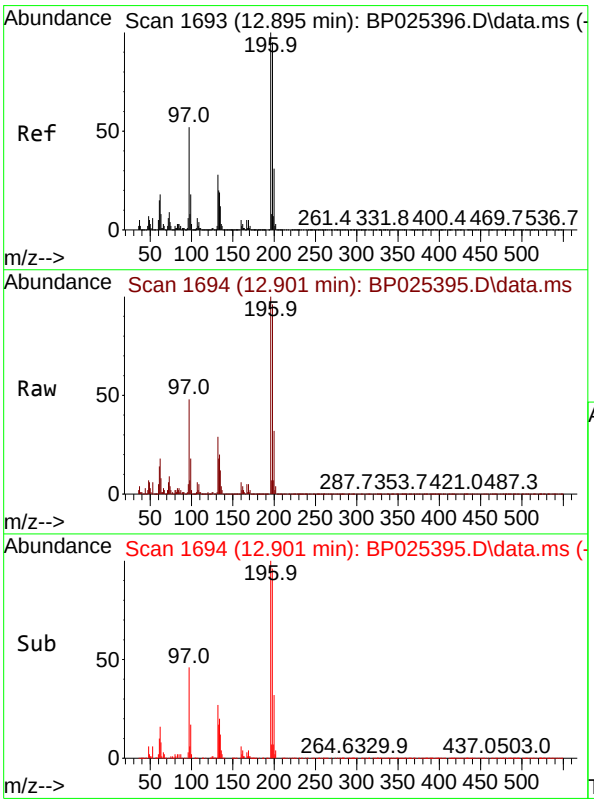
#43
2,4,6-Trichlorophenol
Concen: 19.540 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 152031

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.8	23.9	35.9

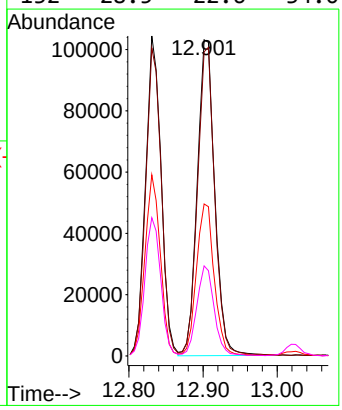


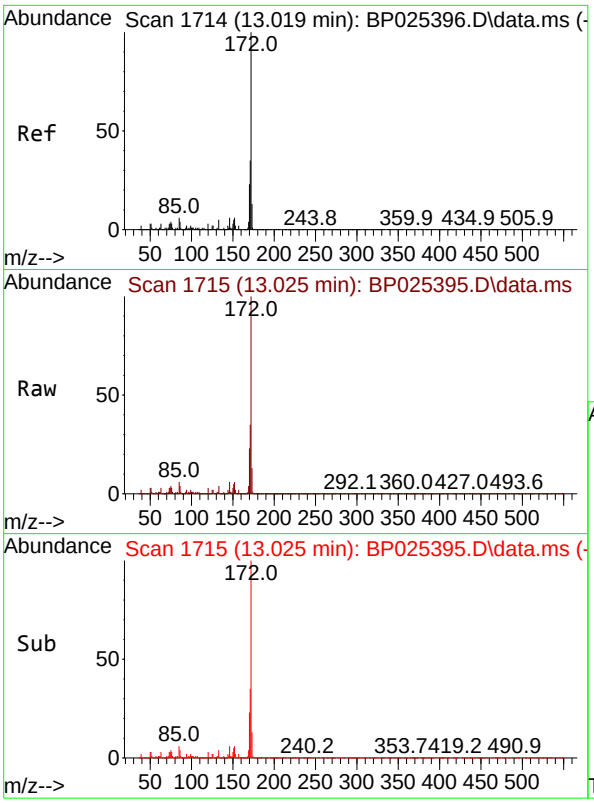


#44
2,4,5-Trichlorophenol
Concen: 19.842 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:196 Resp: 169197

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
97	48.1	41.2	61.8
132	28.5	22.6	34.0



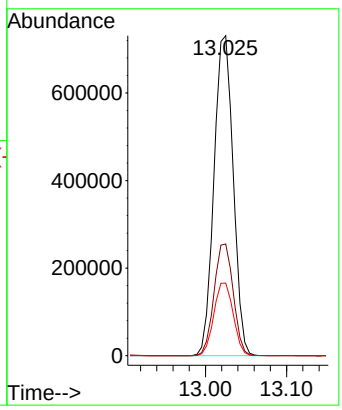


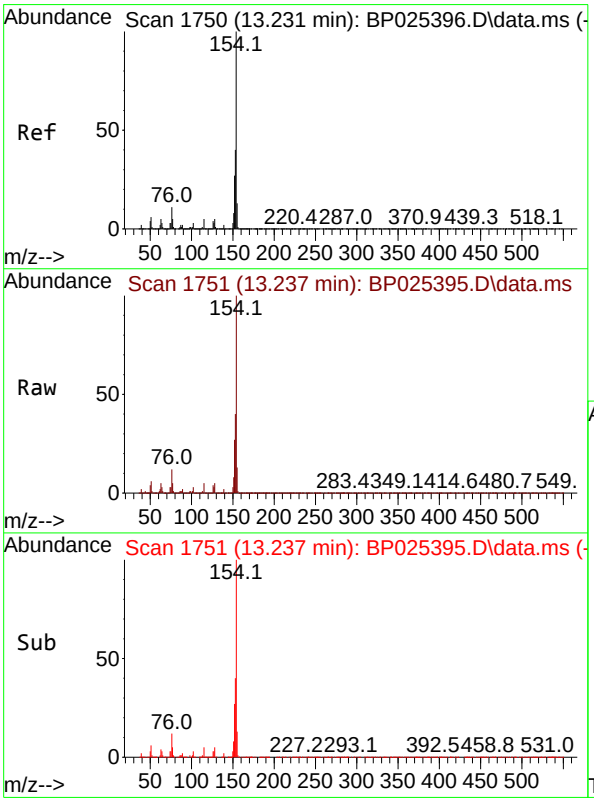
#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1203064

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	22.7	18.6	28.0

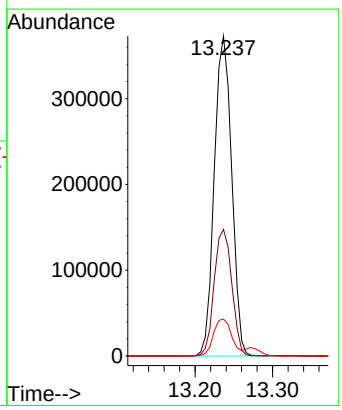


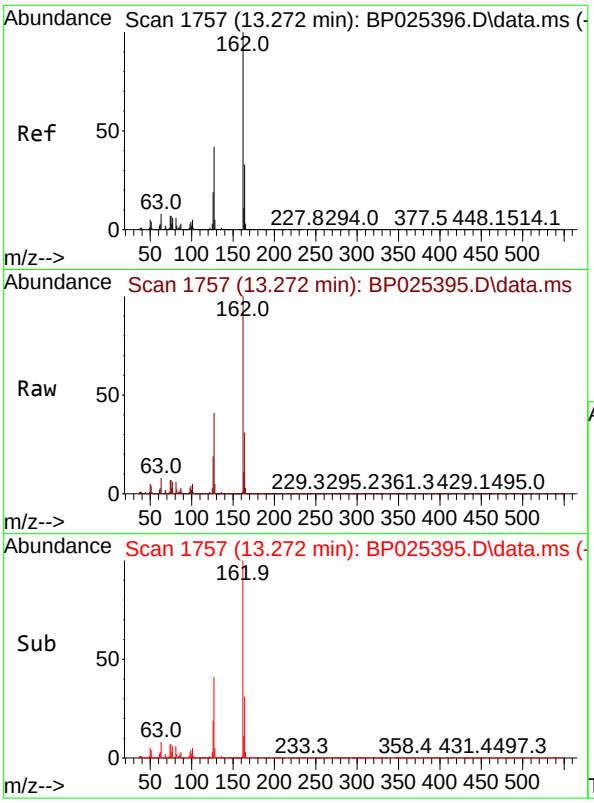


#46
1,1'-Biphenyl
Concen: 20.064 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 581464

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.5	0.0	31.1



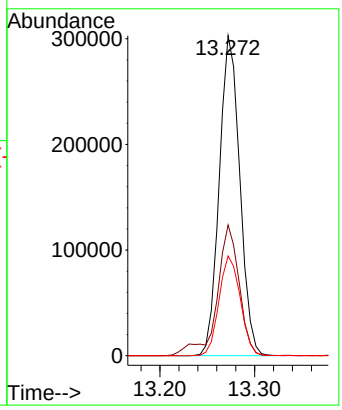


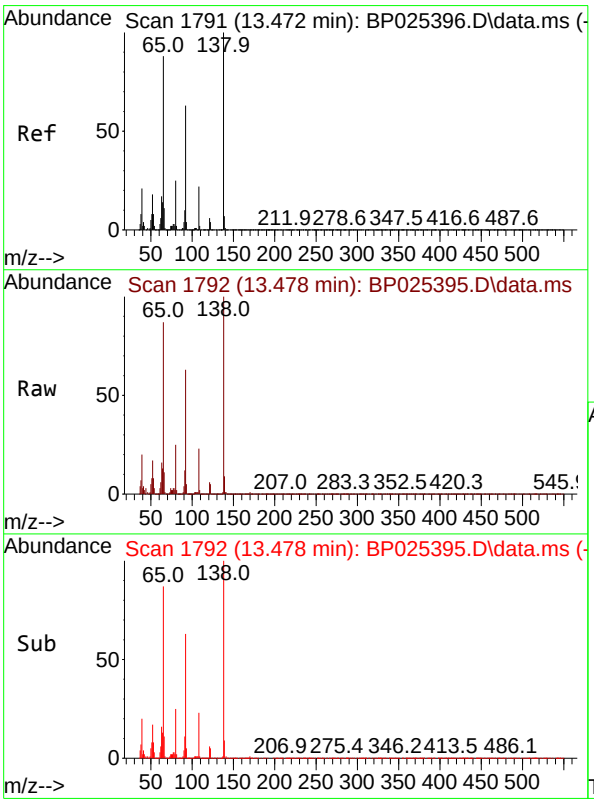
#47
2-Chloronaphthalene
Concen: 20.237 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 456552

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.4	50.2
164	31.2	26.2	39.2

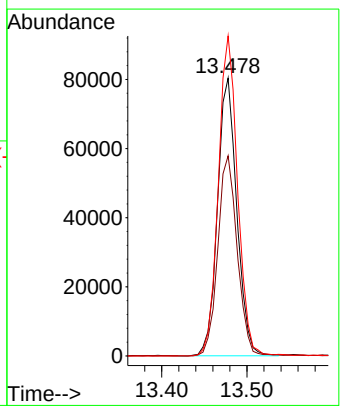


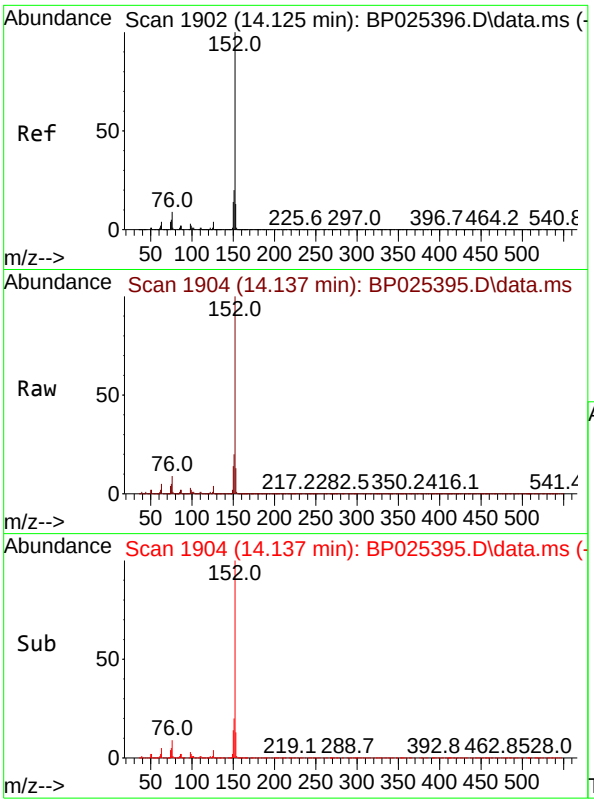


#48
2-Nitroaniline
Concen: 19.233 ng
RT: 13.478 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion: 65 Resp: 126433

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	115.1	91.0	136.6



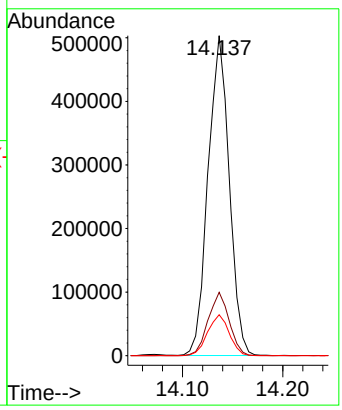


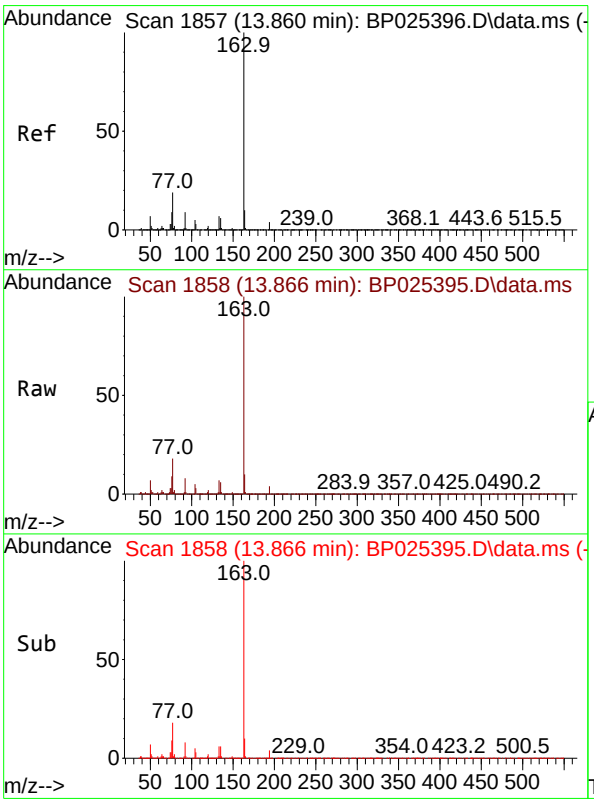
#49
Acenaphthylene
Concen: 19.756 ng
RT: 14.137 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 737527

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	12.8	10.6	15.8

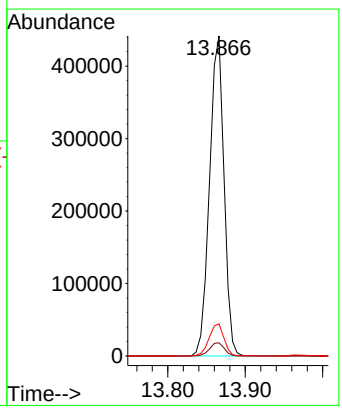


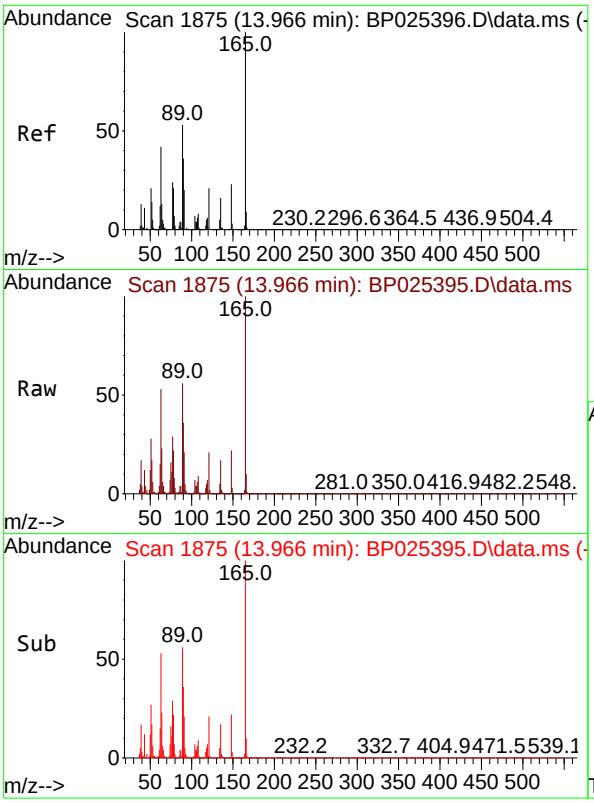


#50
Dimethylphthalate
Concen: 19.632 ng
RT: 13.866 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:163 Resp: 573661

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9



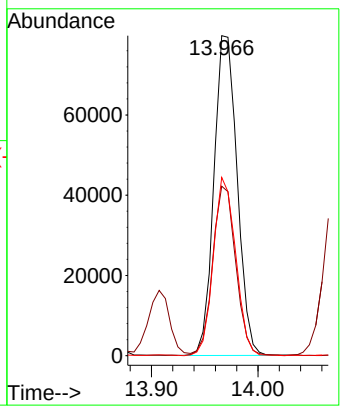


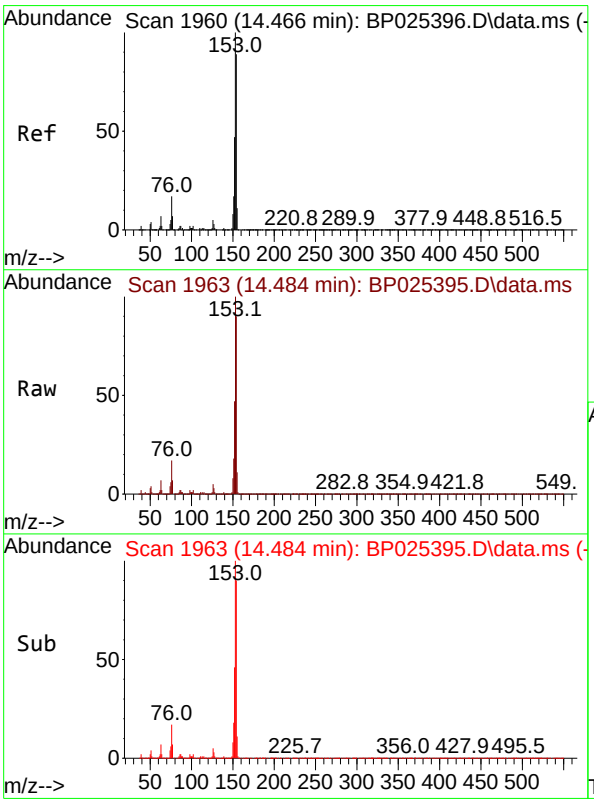
#51
2,6-Dinitrotoluene
Concen: 19.597 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 120693

Ion	Ratio	Lower	Upper
165	100		
63	52.9	40.9	61.3
89	55.7	42.1	63.1

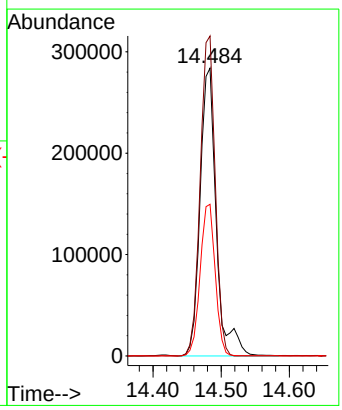


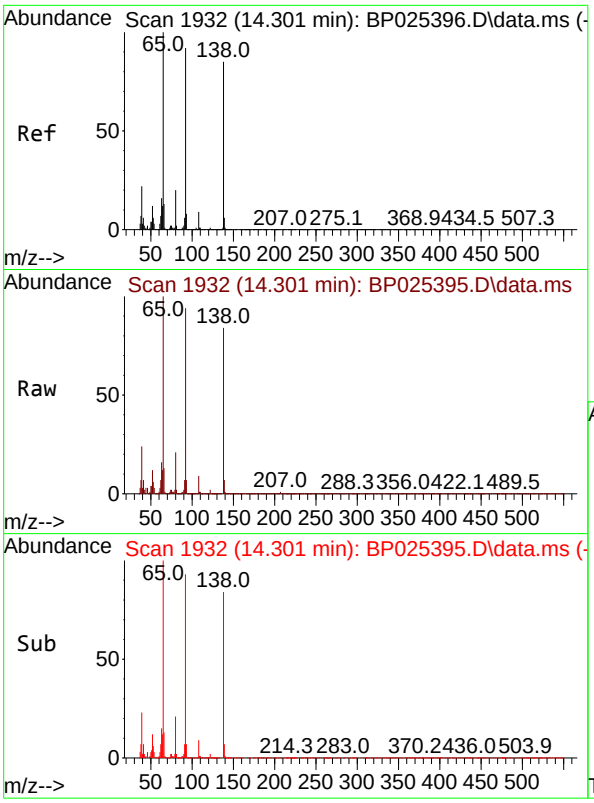


#52
Acenaphthene
Concen: 21.423 ng
RT: 14.484 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:154 Resp: 469441

Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.2	135.2
152	52.7	42.1	63.1



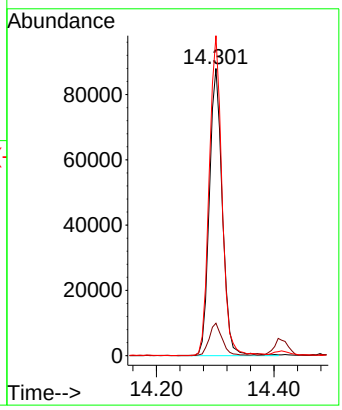


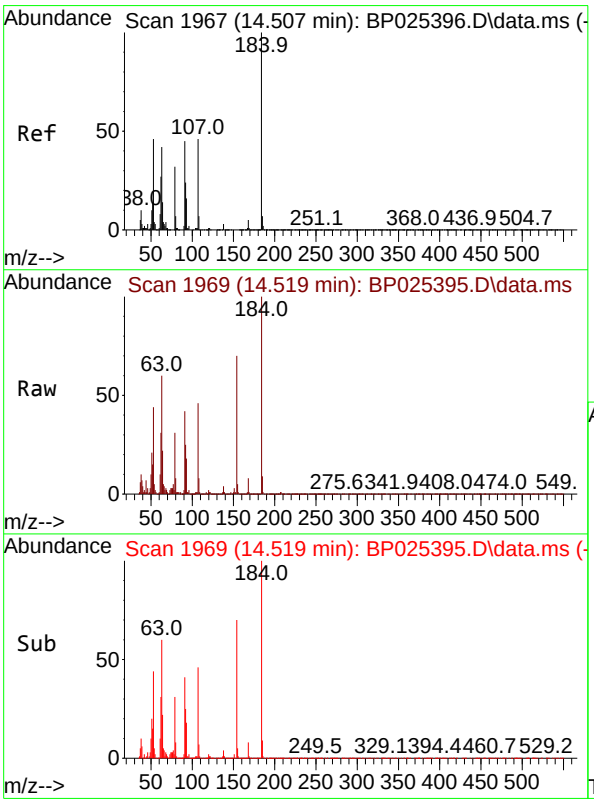
#53
3-Nitroaniline
Concen: 19.410 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 134502

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	111.4	86.2	129.2

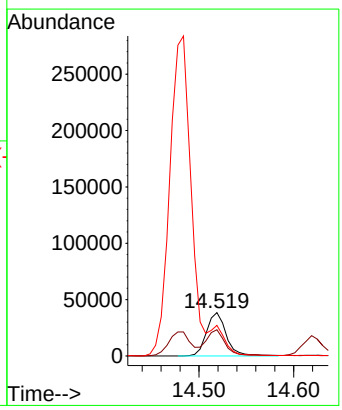


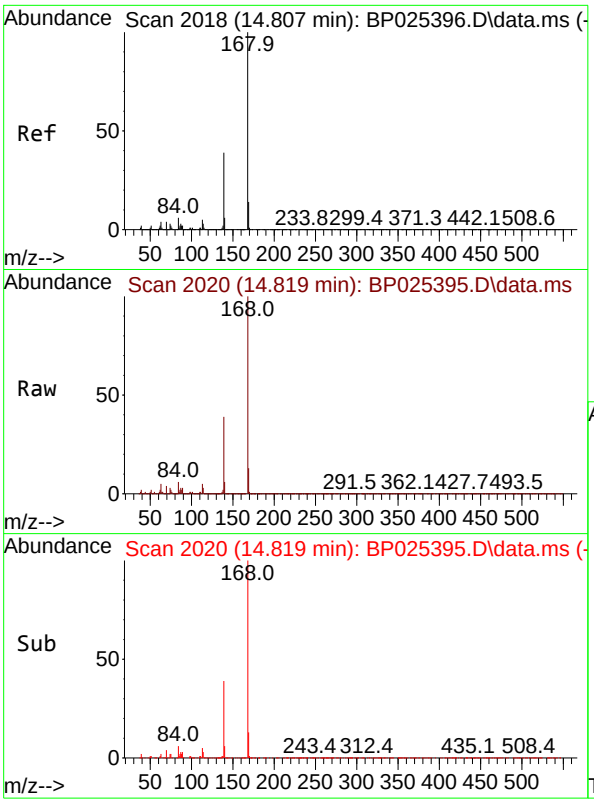


#54
2,4-Dinitrophenol
Concen: 16.939 ng
RT: 14.519 min Scan# 1969
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:184 Resp: 55713

Ion	Ratio	Lower	Upper
184	100		
63	60.4	49.4	74.2
154	70.4	54.6	82.0



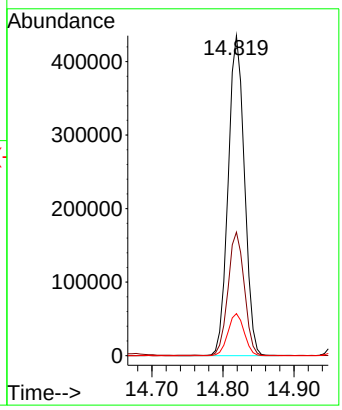


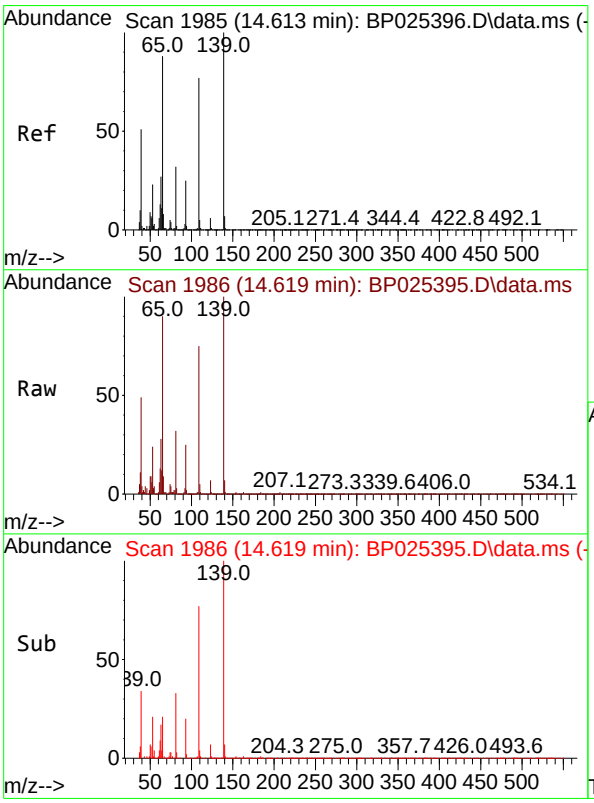
#55
Dibenzofuran
Concen: 20.002 ng
RT: 14.819 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 692966

Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.5	47.3
169	13.1	10.9	16.3

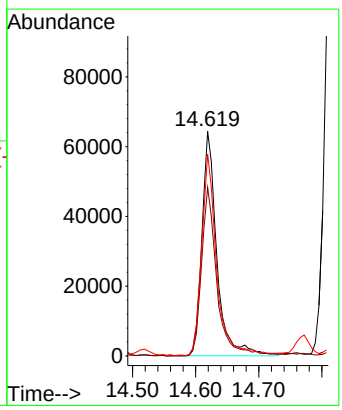


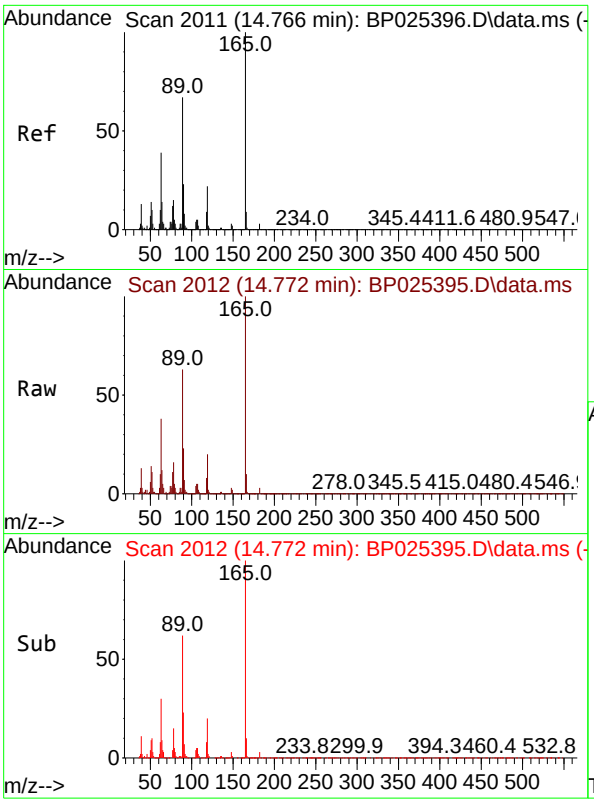


#56
4-Nitrophenol
Concen: 18.578 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:139 Resp: 105787

Ion	Ratio	Lower	Upper
139	100		
109	75.0	56.6	96.6
65	89.8	68.2	108.2



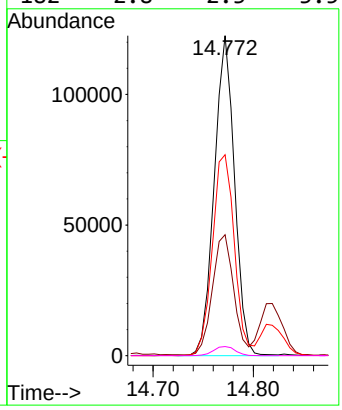


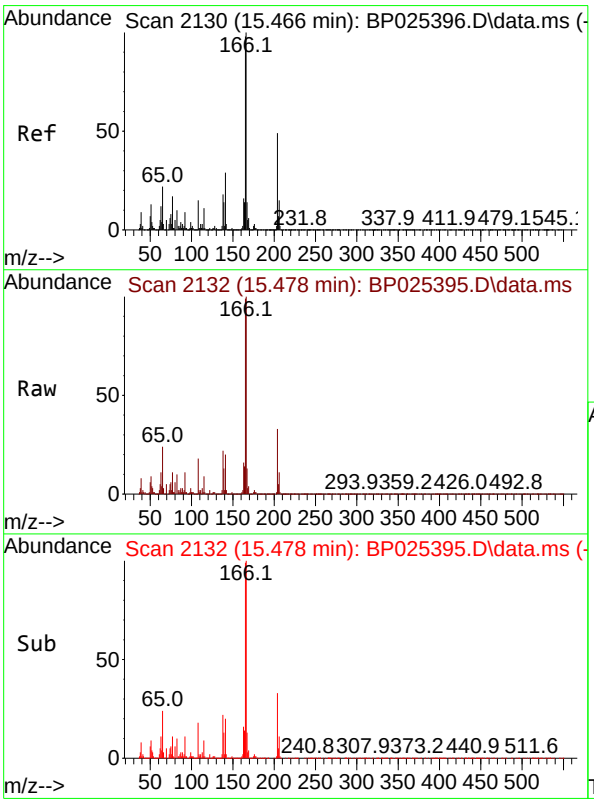
#57
2,4-Dinitrotoluene
Concen: 19.576 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 172020

Ion	Ratio	Lower	Upper
165	100		
63	37.8	31.4	47.2
89	62.8	53.3	79.9
182	2.8	2.3	3.5

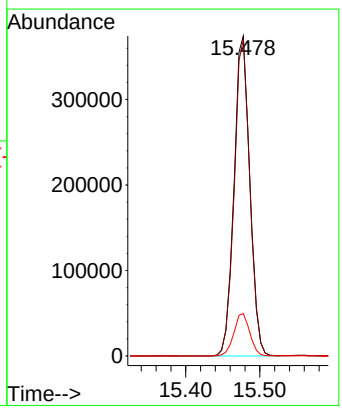


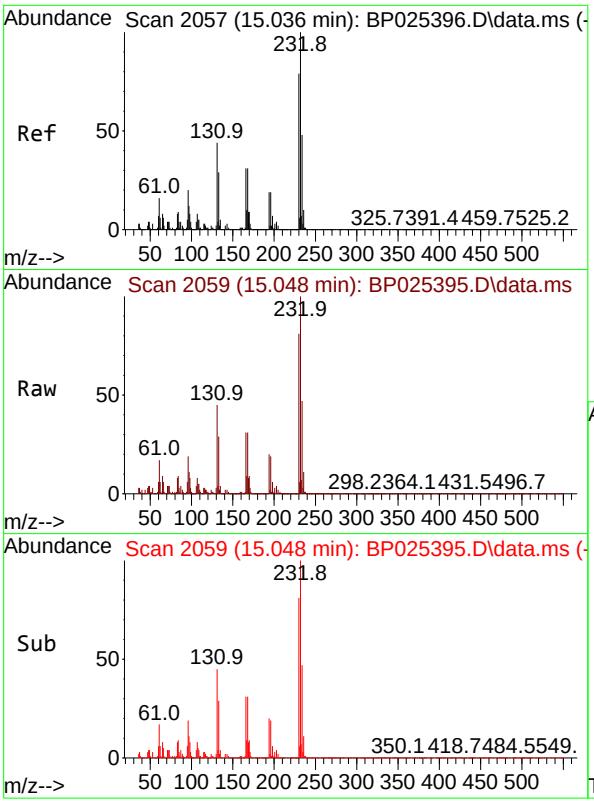


#58
Fluorene
Concen: 20.289 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:166 Resp: 554647

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.3	11.0	16.4



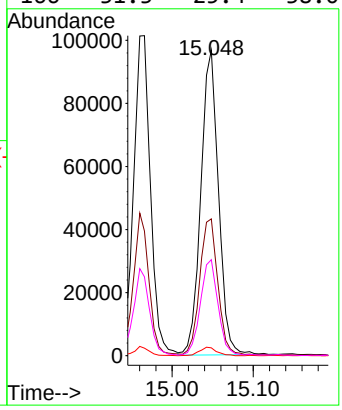


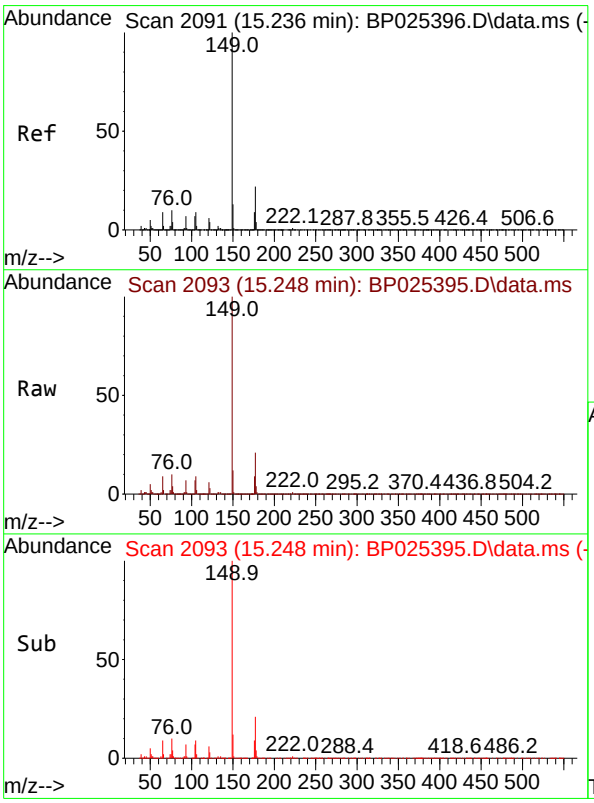
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.381 ng
RT: 15.048 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 145926

Ion	Ratio	Lower	Upper
232	100		
131	45.5	37.0	55.6
130	2.7	1.9	2.9
166	31.3	25.4	38.0

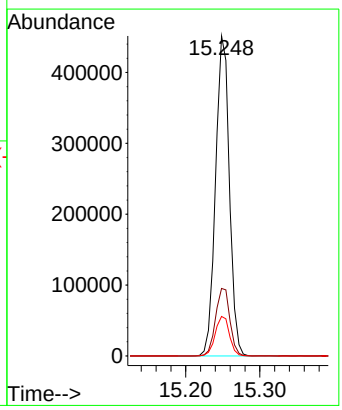


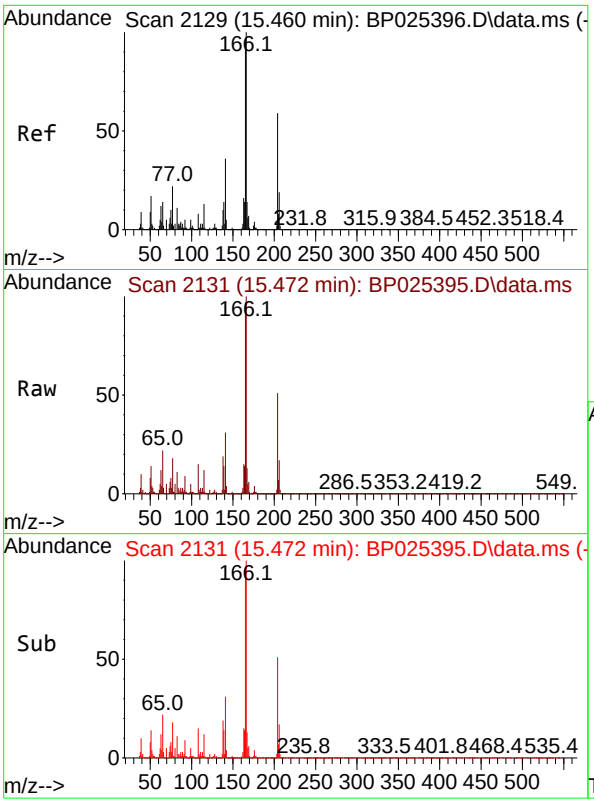


#60
Diethylphthalate
Concen: 19.689 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 584590

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.3	25.9
150	12.4	10.3	15.5



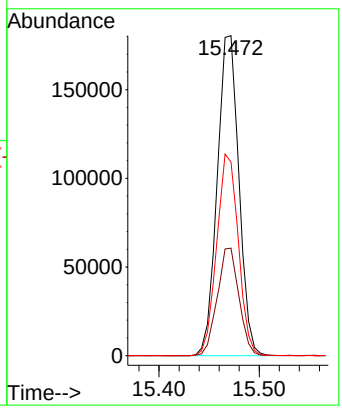


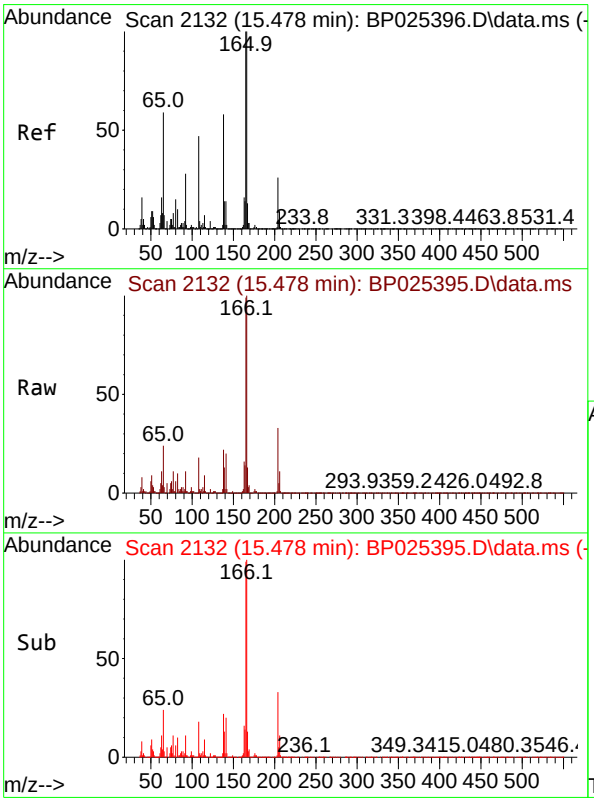
#61
4-Chlorophenyl-phenylether
Concen: 19.929 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 270949

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	60.5	49.4	74.2

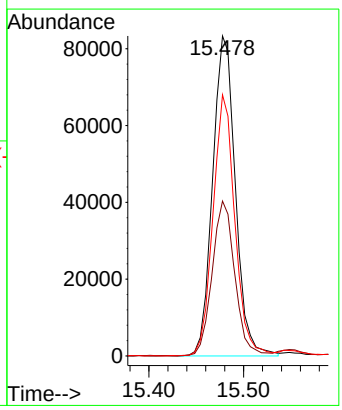


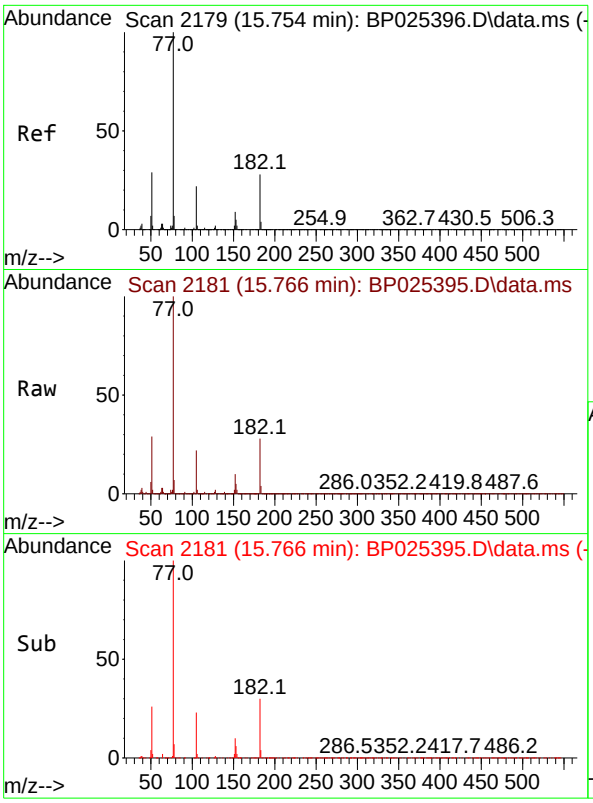


#62
4-Nitroaniline
Concen: 19.595 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:138 Resp: 139202

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.1	69.1
108	81.6	61.5	101.5



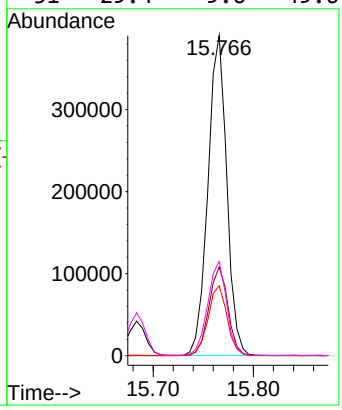


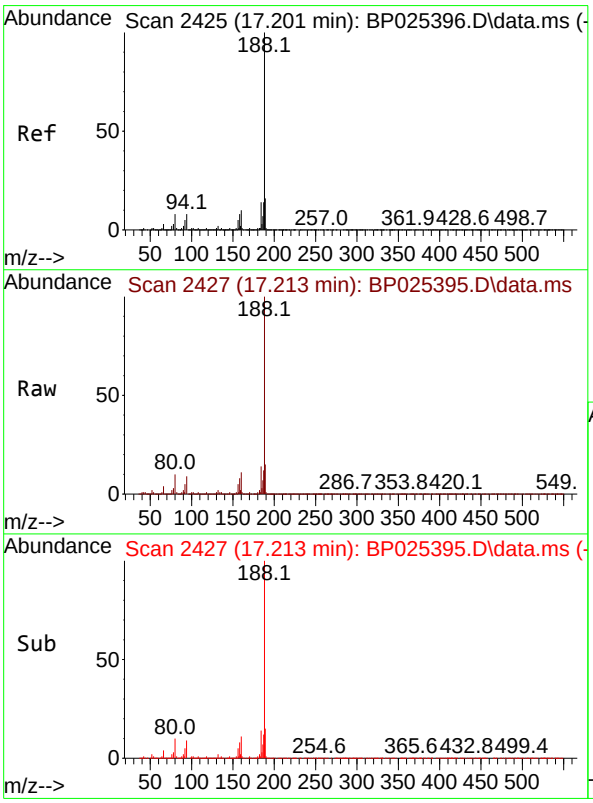
#63
Azobenzene
Concen: 20.004 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 508563

Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.5	47.5
105	21.9	2.1	42.1
51	29.4	9.6	49.6

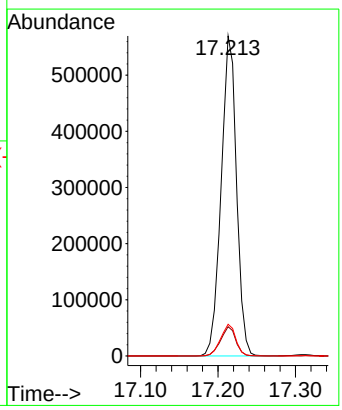


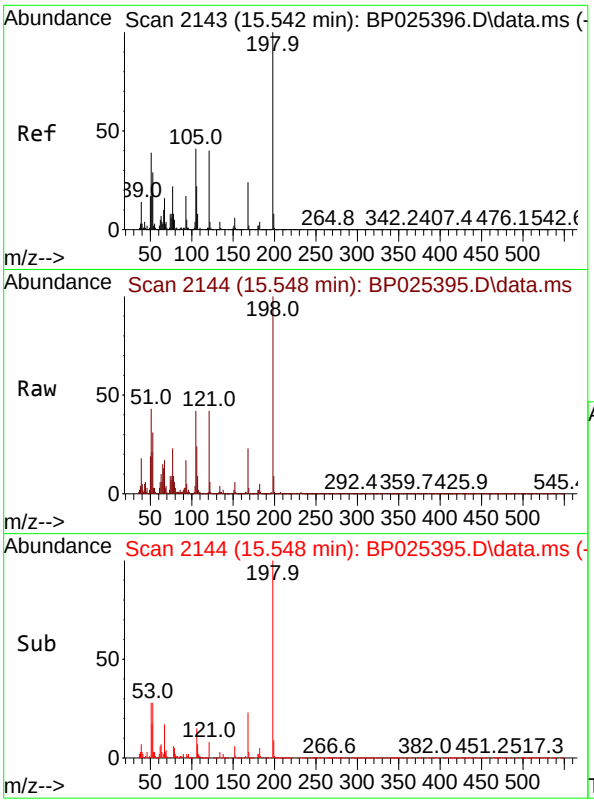


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:188 Resp: 785736

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.9	6.7	10.1



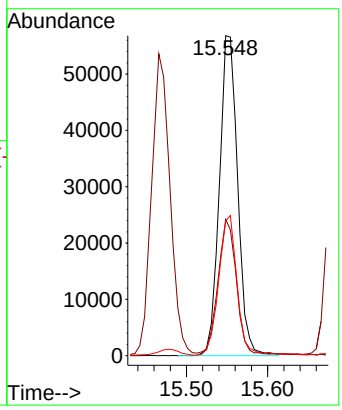


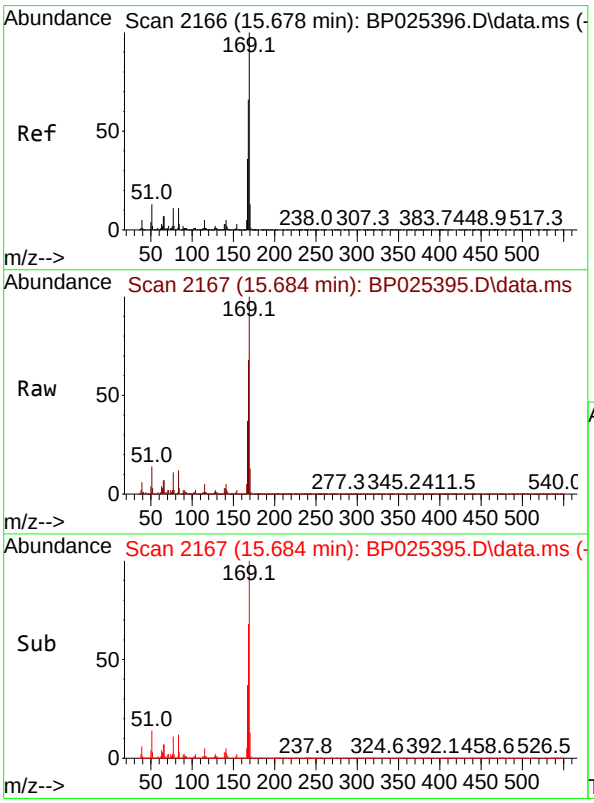
#65
4,6-Dinitro-2-methylphenol
Concen: 18.169 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 88992

Ion	Ratio	Lower	Upper
198	100		
51	42.6	19.6	59.6
105	42.2	20.9	60.9

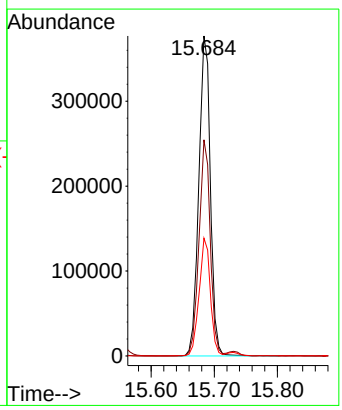


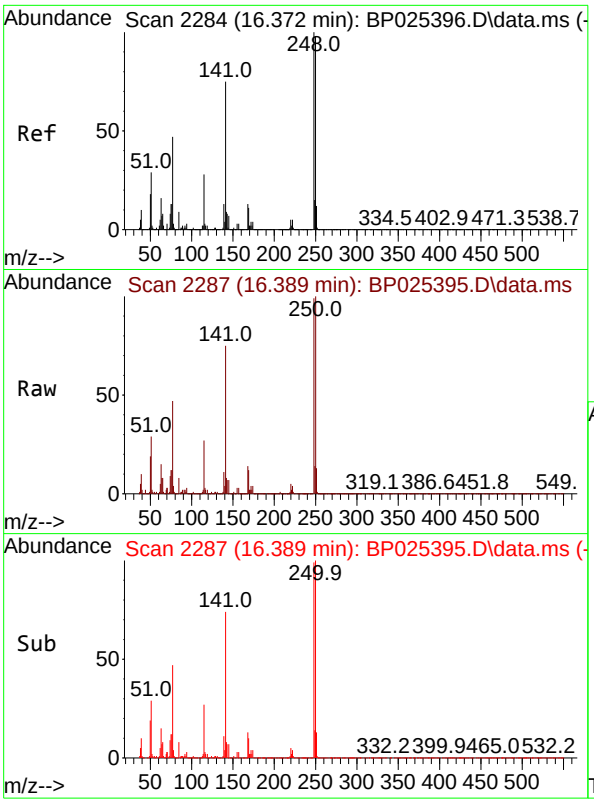


#66
n-Nitrosodiphenylamine
Concen: 19.911 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:169 Resp: 477080

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.2	79.8
167	36.8	28.7	43.1



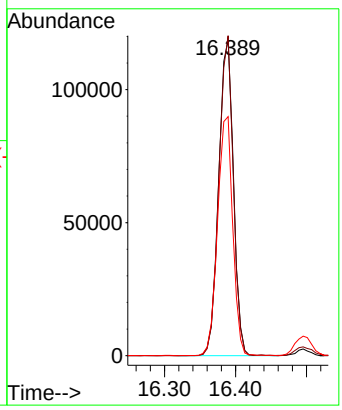


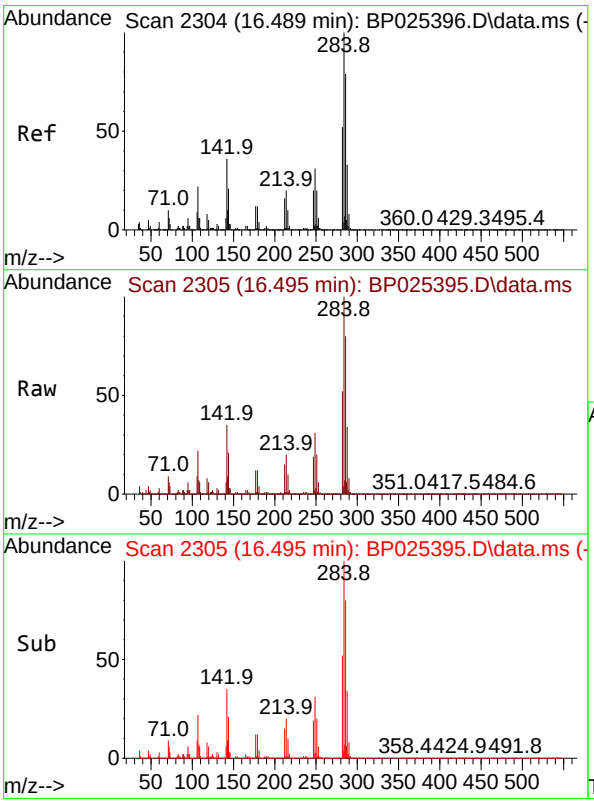
#67
4-Bromophenyl-phenylether
Concen: 19.758 ng
RT: 16.389 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 170738

Ion	Ratio	Lower	Upper
248	100		
250	101.4	78.2	117.2
141	75.7	59.6	89.4

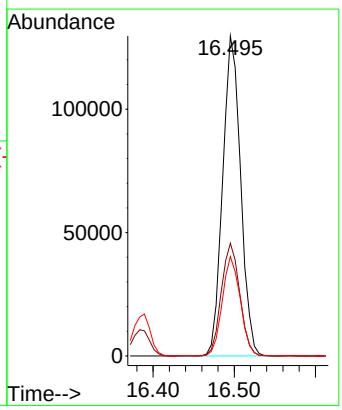


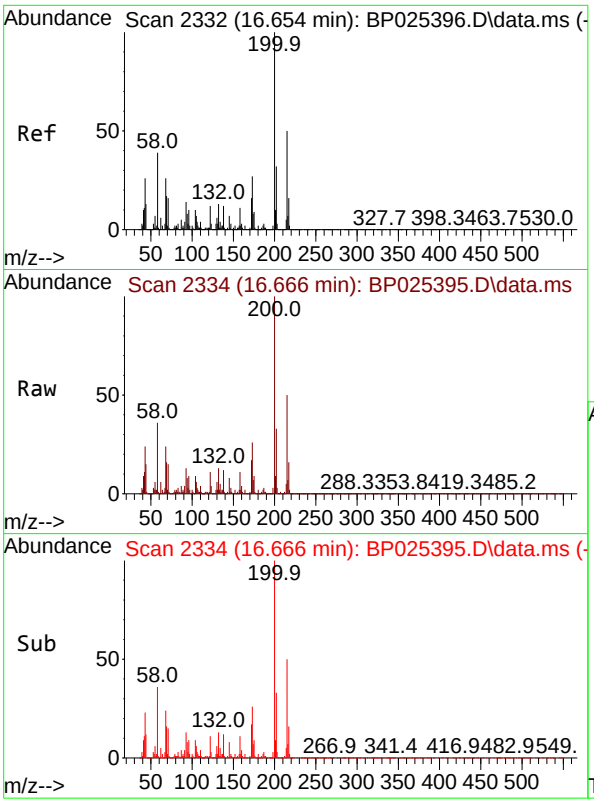


#68
Hexachlorobenzene
Concen: 19.906 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:284 Resp: 199410

Ion	Ratio	Lower	Upper
284	100		
142	35.2	29.1	43.7
249	31.0	25.0	37.4



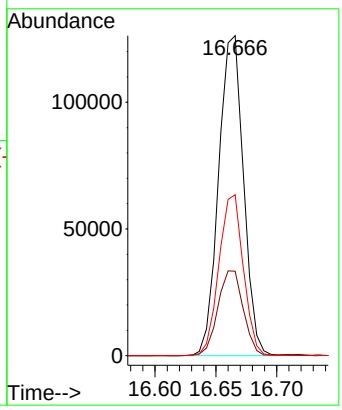


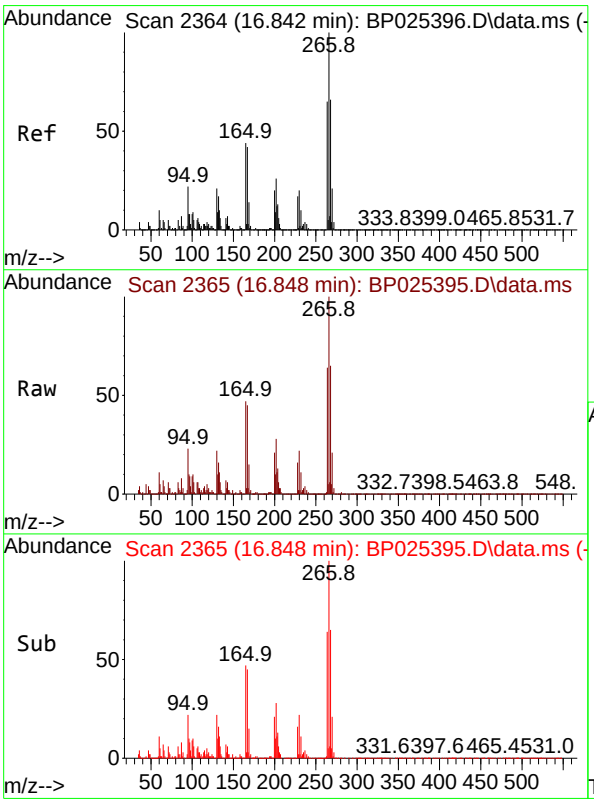
#69
Atrazine
Concen: 20.006 ng
RT: 16.666 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 179513

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	50.3	29.7	69.7

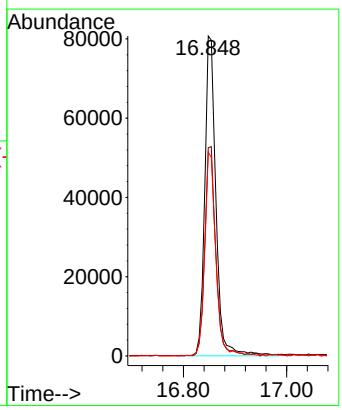


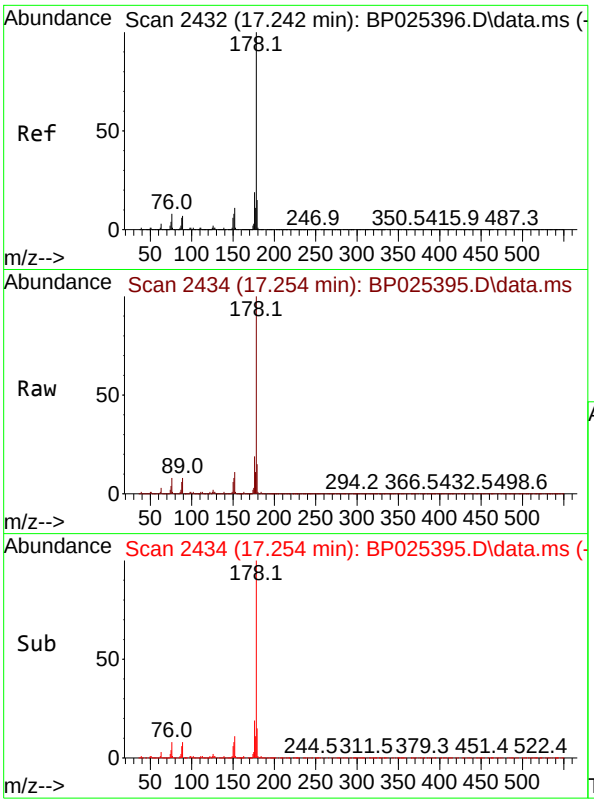


#70
Pentachlorophenol
Concen: 19.128 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:266 Resp: 120958

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	63.6	52.0	78.0



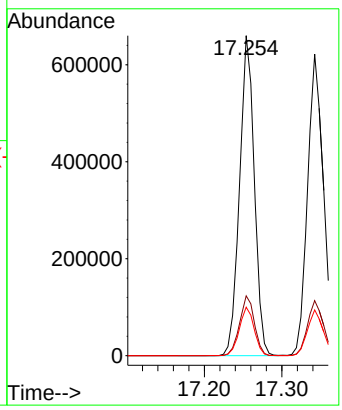


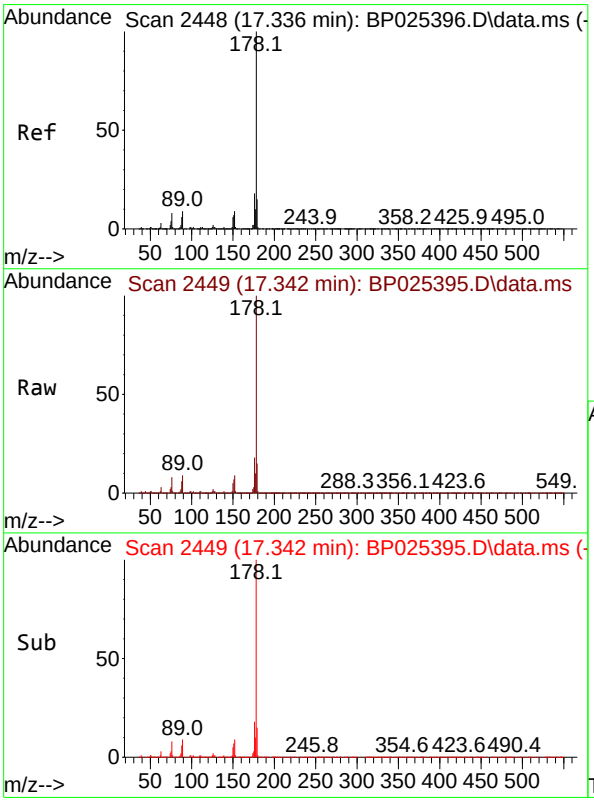
#71
Phenanthrene
Concen: 20.223 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 872890

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.2	12.2	18.4

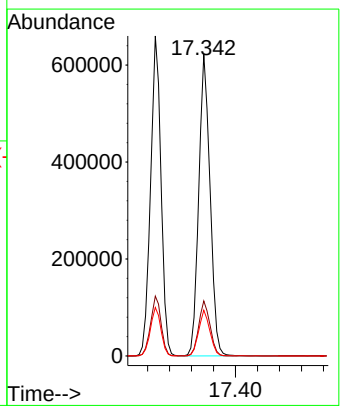


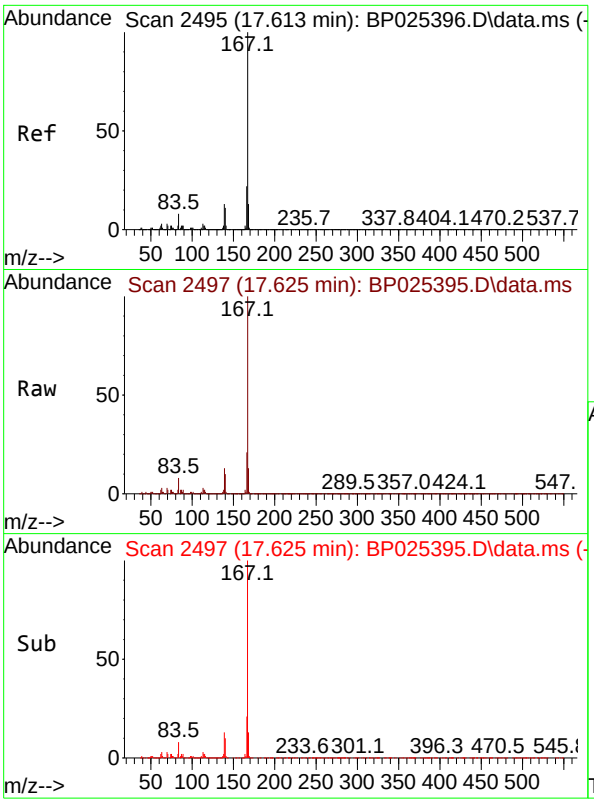


#72
Anthracene
Concen: 20.198 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:178 Resp: 890292

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.2	18.2



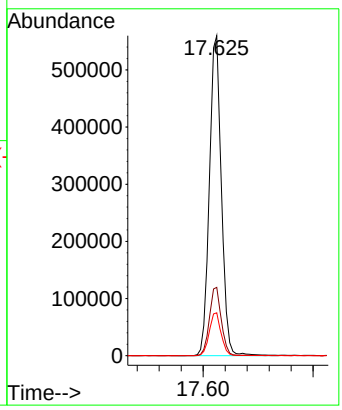


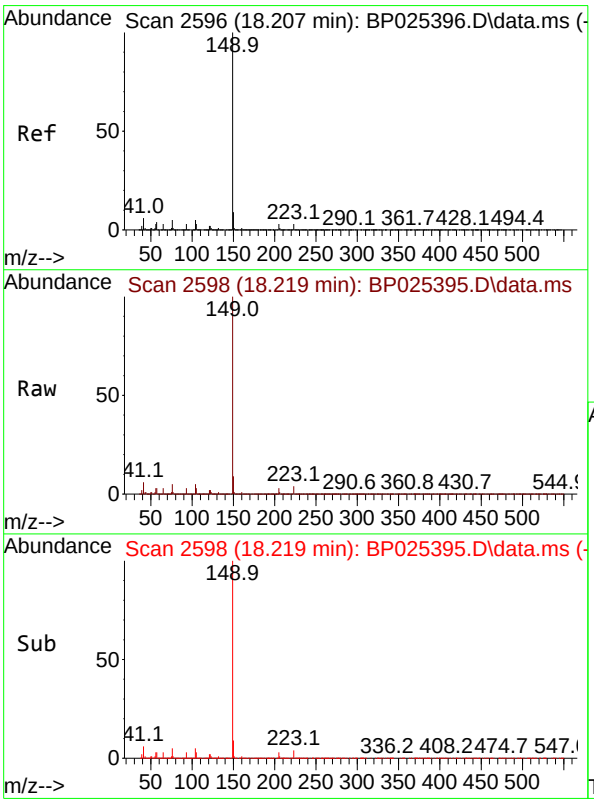
#73
Carbazole
Concen: 20.328 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 843970

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.4	10.6	16.0

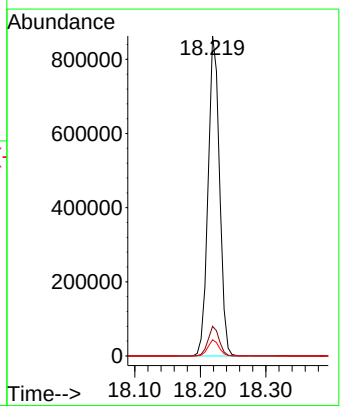


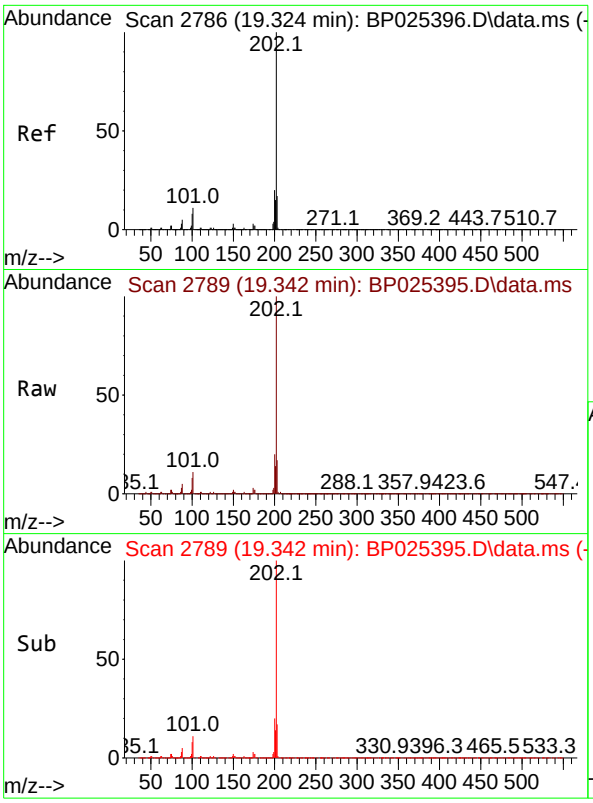


#74
Di-n-butylphthalate
Concen: 20.491 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 1046709

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.2	6.2



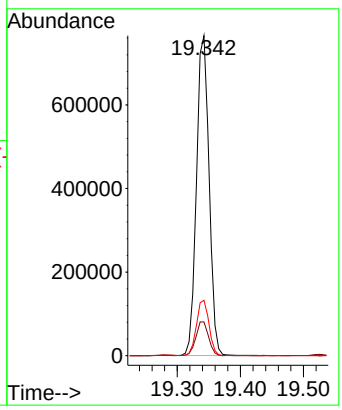


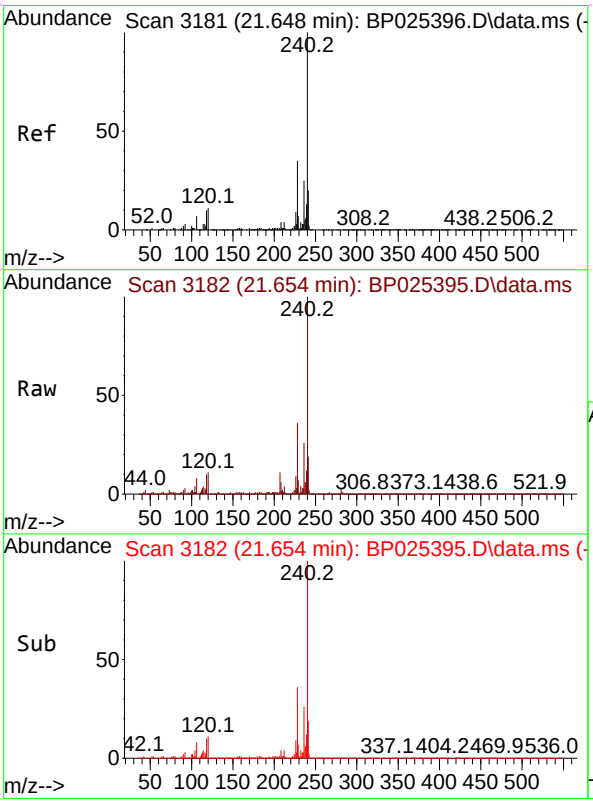
#75
Fluoranthene
Concen: 20.567 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1058912

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.3	0.0	37.3

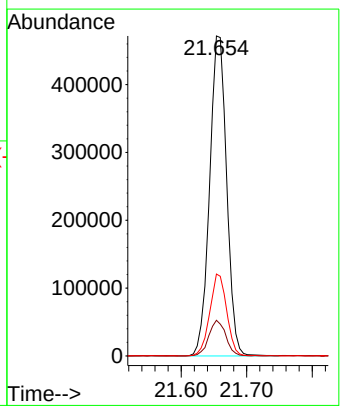


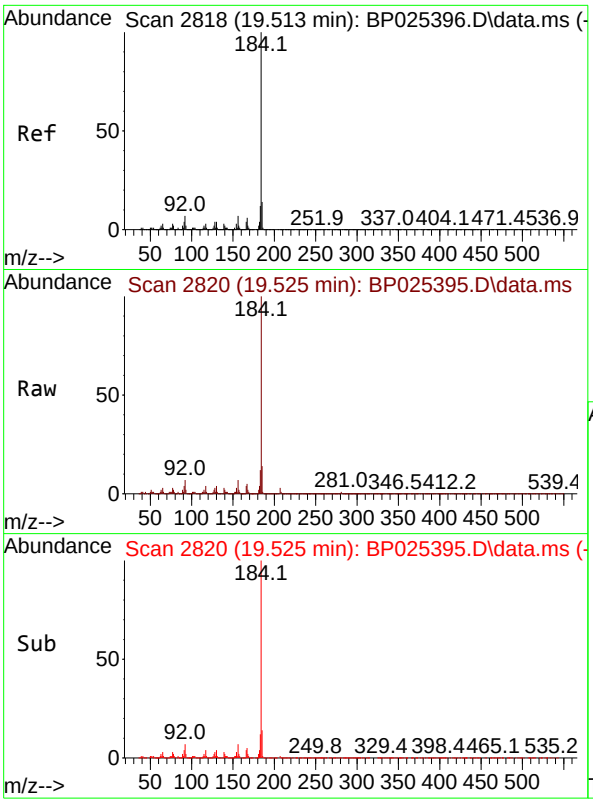


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:240 Resp: 852065

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.6	19.8	29.8



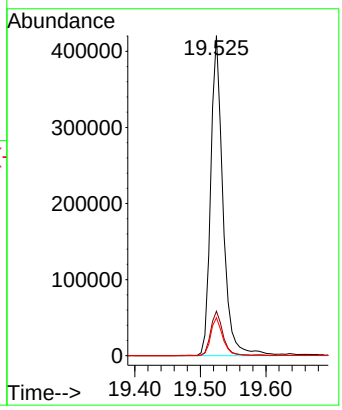


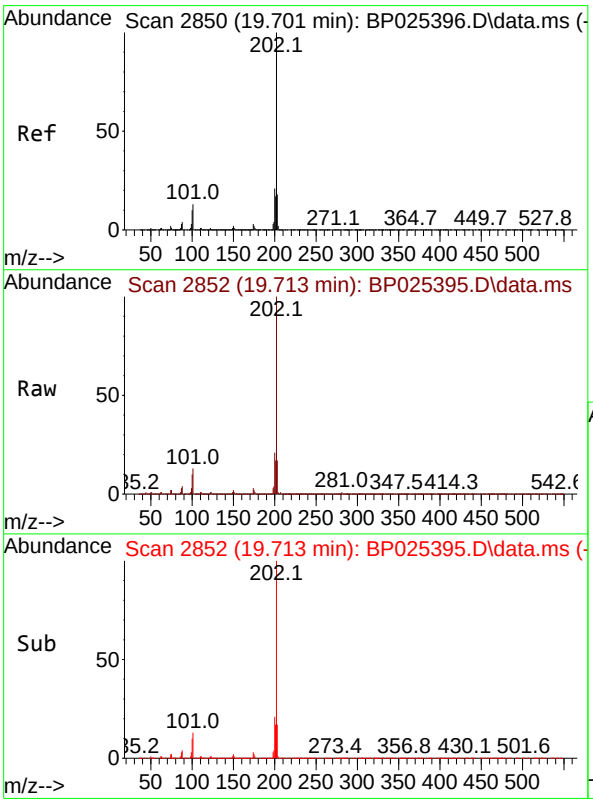
#77
Benzidine
Concen: 18.799 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 546647

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2

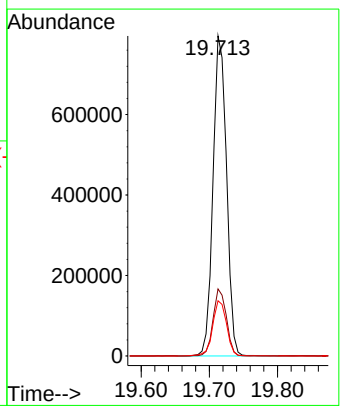


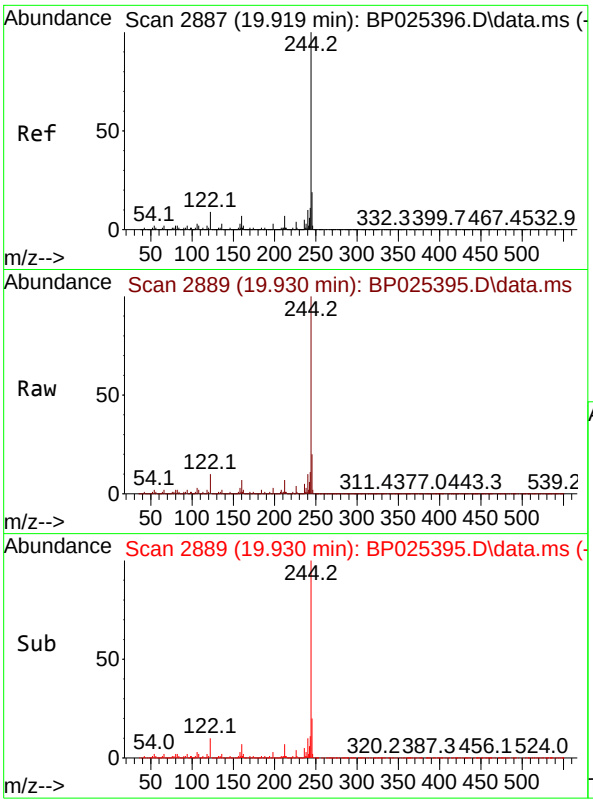


#78
Pyrene
Concen: 19.807 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:202 Resp: 1096965

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2



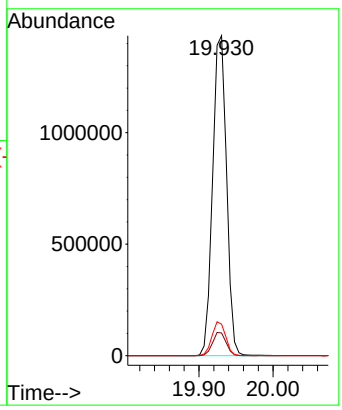


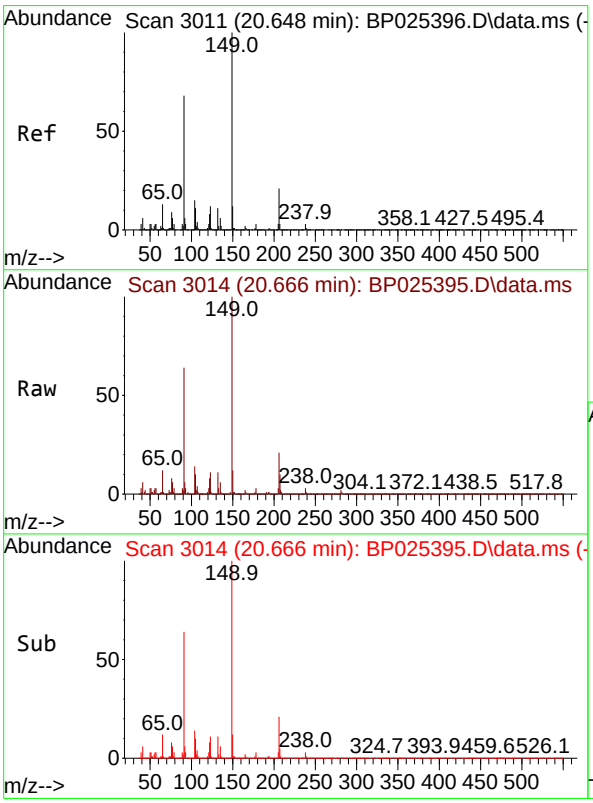
#79
Terphenyl-d14
Concen: 40.152 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1869951

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.9	7.4	11.2

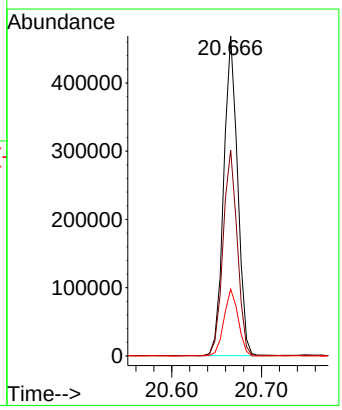


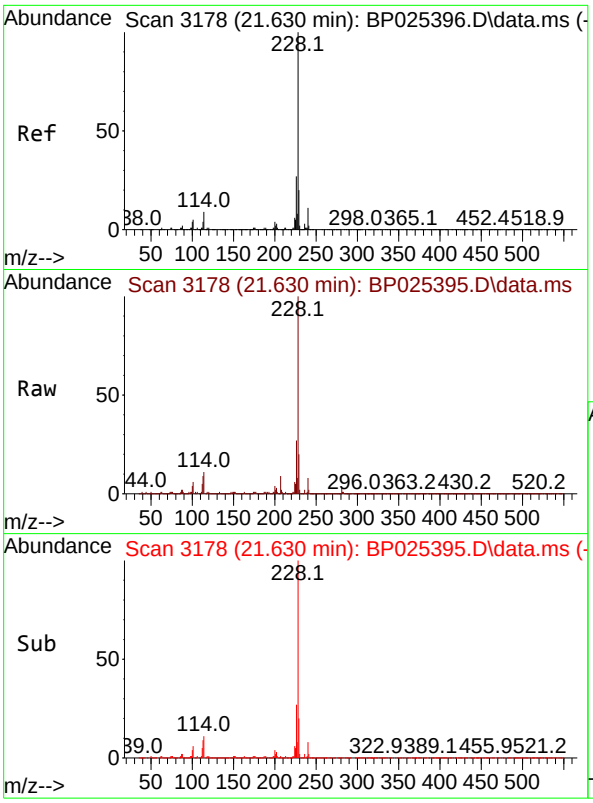


#80
Butylbenzylphthalate
Concen: 20.081 ng
RT: 20.666 min Scan# 3014
Delta R.T. 0.018 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 504019

Ion	Ratio	Lower	Upper
149	100		
91	64.4	54.2	81.2
206	20.9	16.6	24.8



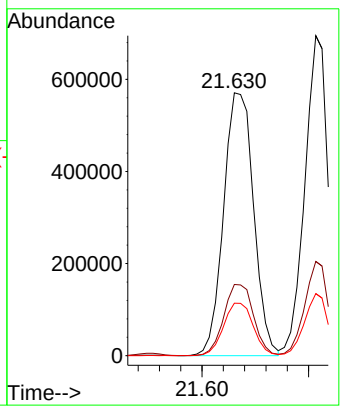


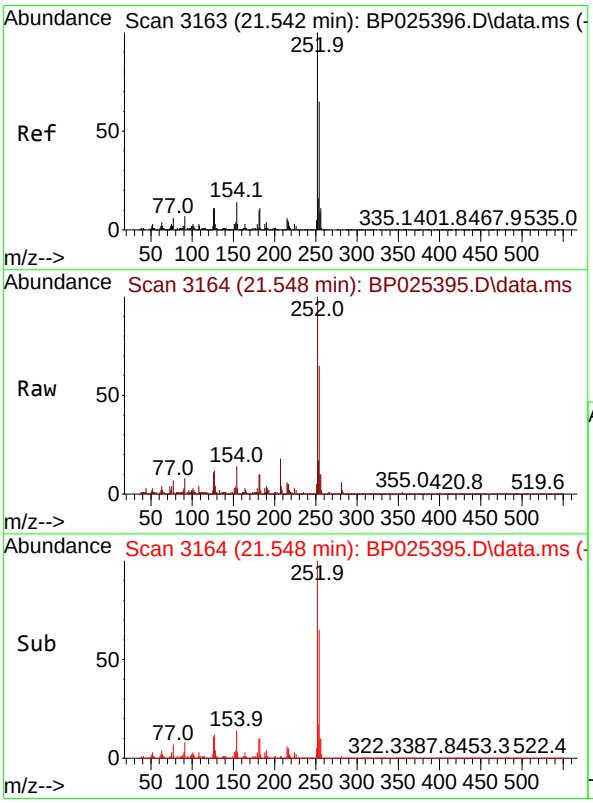
#81
Benzo(a)anthracene
Concen: 19.906 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1118590

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.9	15.6	23.4

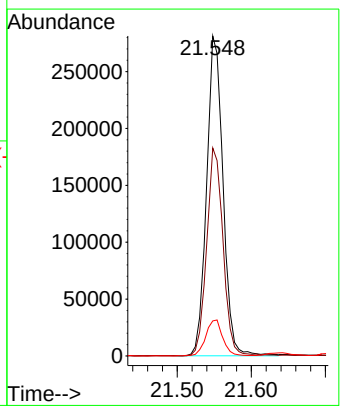


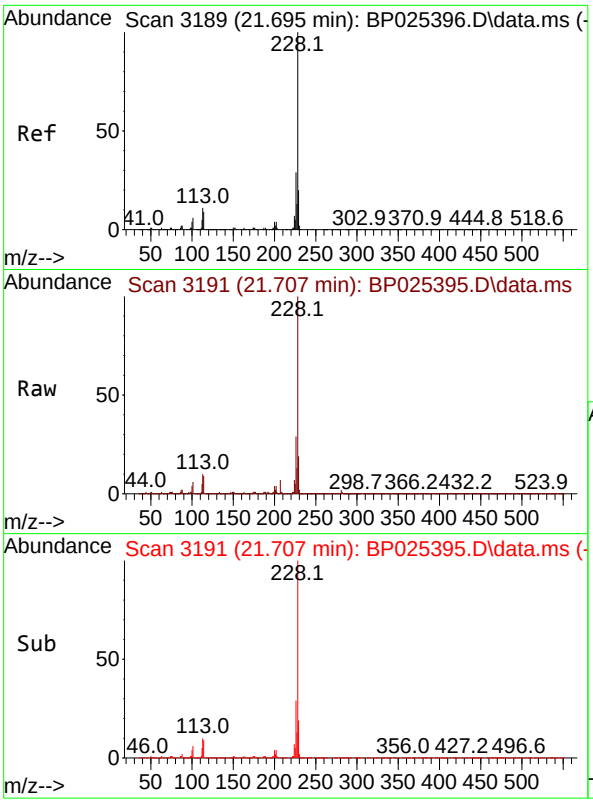


#82
3,3'-Dichlorobenzidine
Concen: 20.399 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 432075

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	10.9	9.1	13.7



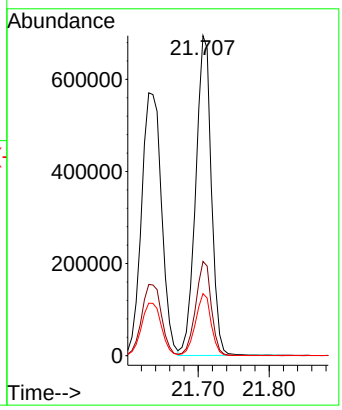


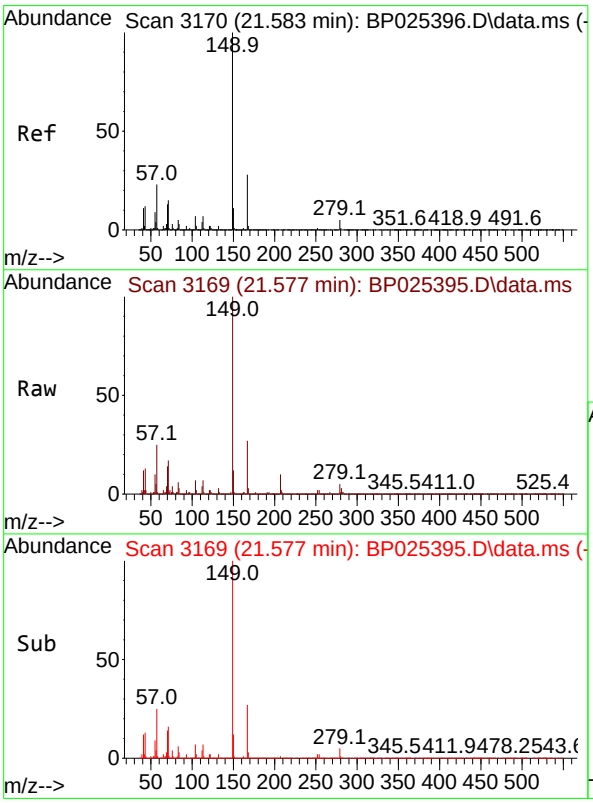
#83
Chrysene
Concen: 20.216 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1063898

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.4	15.6	23.4

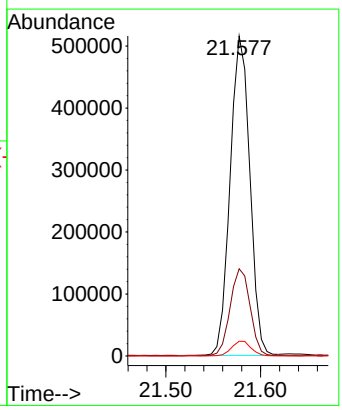


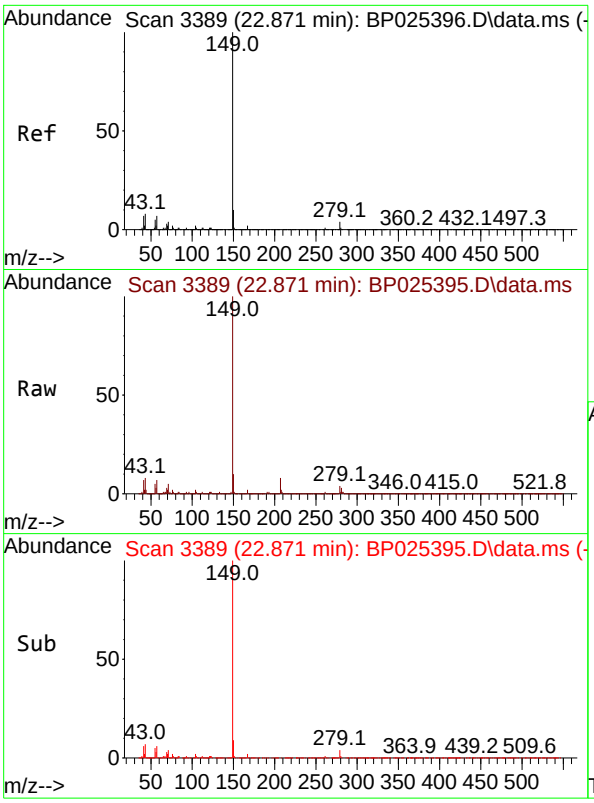


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.155 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:149 Resp: 744704

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.6	3.8	5.6



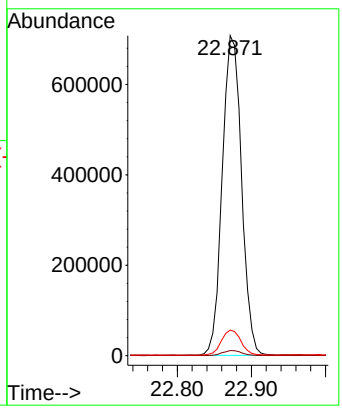


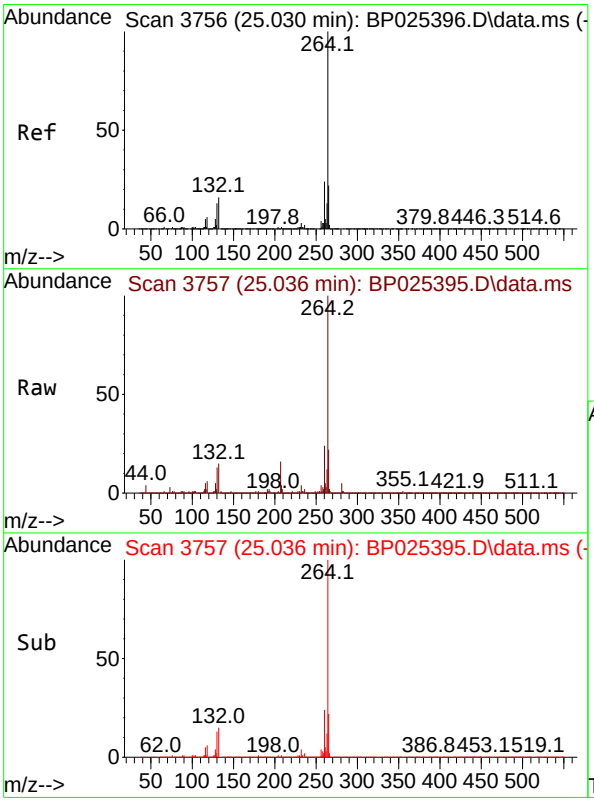
#85
Di-n-octyl phthalate
Concen: 20.091 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1276798

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

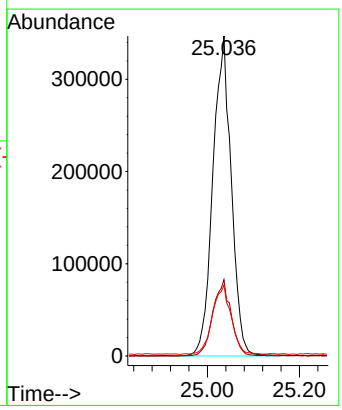


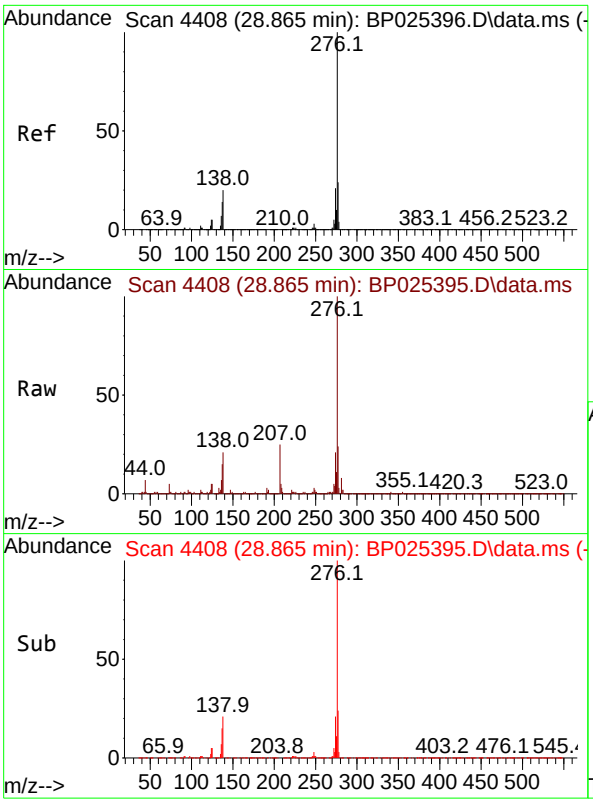


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:264 Resp: 958651

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.2	17.4	26.0



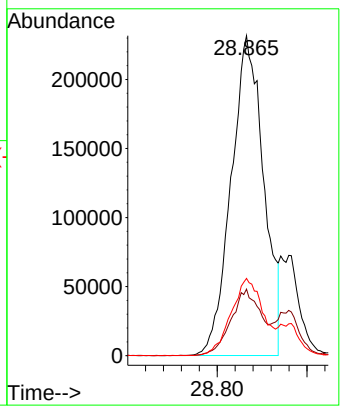


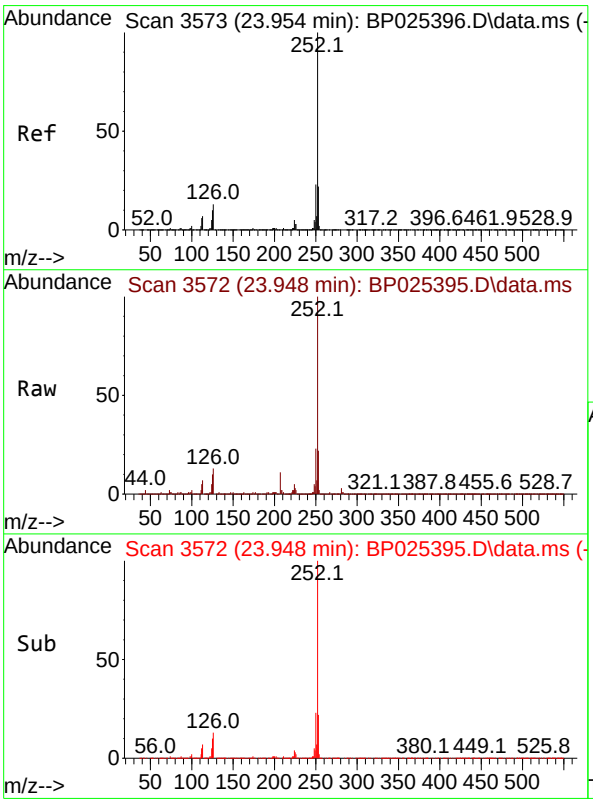
#87
Indeno(1,2,3-cd)pyrene
Concen: 16.584 ng
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1166289

Ion	Ratio	Lower	Upper
276	100		
138	19.2	12.9	19.3
277	23.8	17.0	25.6

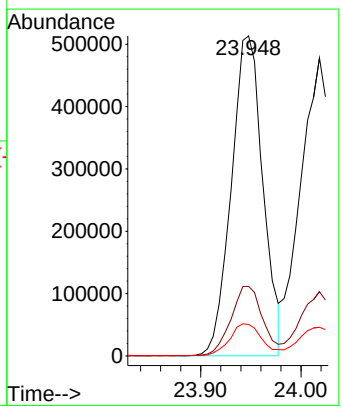


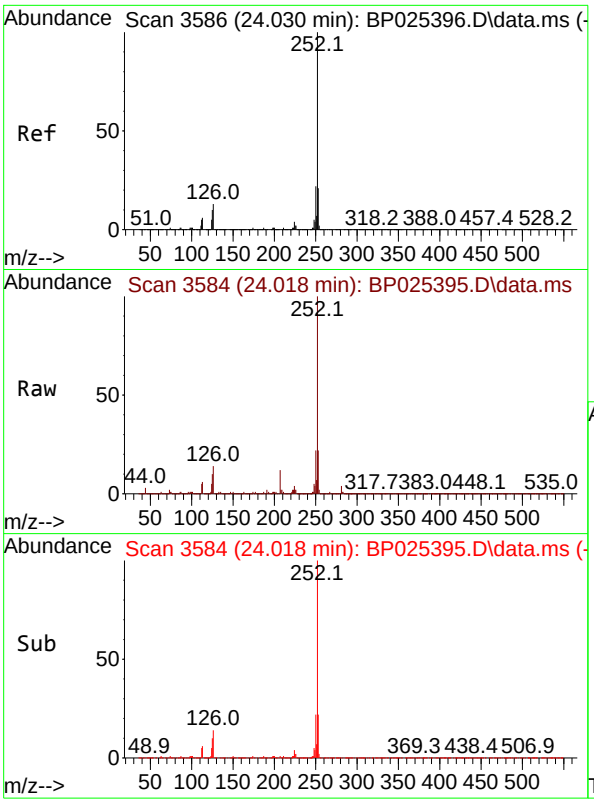


#88
Benzo(b)fluoranthene
Concen: 19.855 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1122408

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.9	7.9	11.9



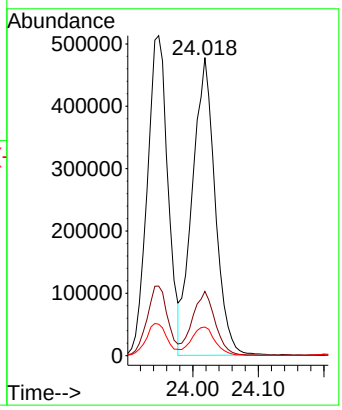


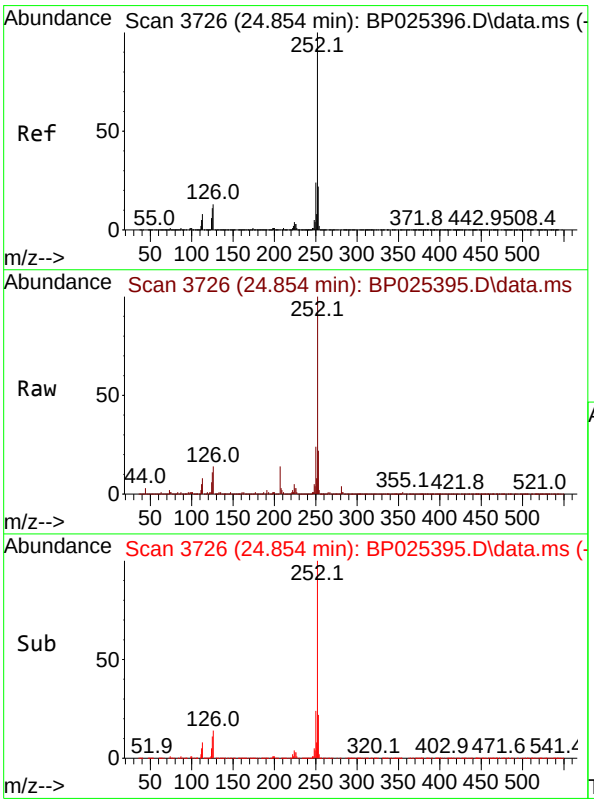
#89
Benzo(k)fluoranthene
Concen: 20.336 ng
RT: 24.018 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1150366

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.6	7.8	11.6

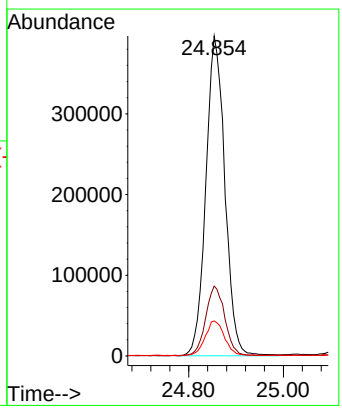


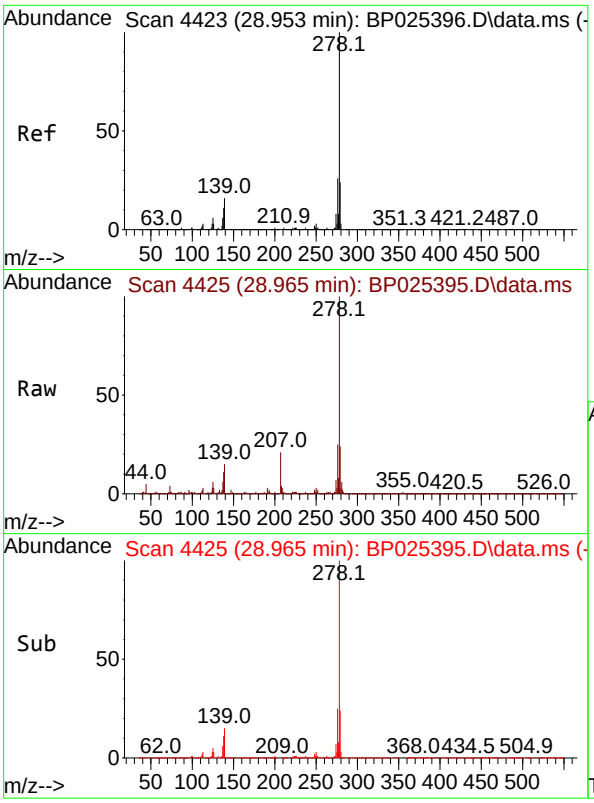


#90
Benzo(a)pyrene
Concen: 20.041 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:252 Resp: 1102804

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1



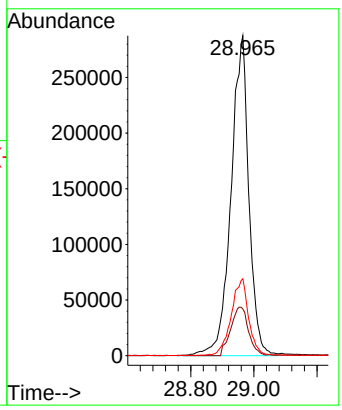


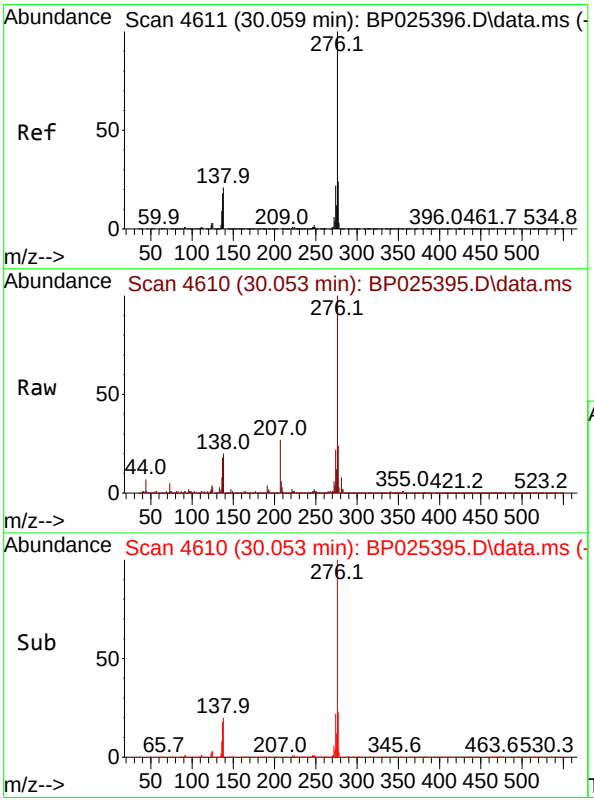
#91
Dibenzo(a,h)anthracene
Concen: 19.672 ng
RT: 28.965 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1130209

Ion	Ratio	Lower	Upper
278	100		
139	14.6	13.0	19.4
279	24.1	19.4	29.2

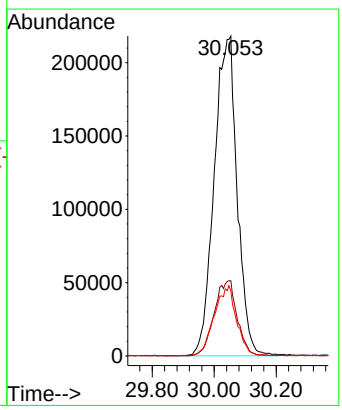




#92
Benzo(g,h,i)perylene
Concen: 19.840 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025395.D
Acq: 14 Aug 2025 14:38

Tgt Ion:276 Resp: 1120307

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	157704	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	663553	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	441110	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	884529	20.000	ng	0.00
76) Chrysene-d12	21.648	240	899207	20.000	ng	0.00
86) Perylene-d12	25.030	264	1022138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	733191	77.209	ng	0.00
7) Phenol-d6	6.966	99	954285	78.381	ng	0.00
23) Nitrobenzene-d5	8.937	82	1015557	77.420	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	463783	78.112	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2456787	76.118	ng	0.00
79) Terphenyl-d14	19.919	244	3760236	76.508	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	140326	37.726	ng	100
3) Pyridine	3.731	79	384936	37.809	ng	100
4) n-Nitrosodimethylamine	3.637	42	161267	38.421	ng	100
6) Aniline	7.125	93	637156	38.842	ng	100
8) 2-Chlorophenol	7.366	128	414233	38.655	ng	100
9) Benzaldehyde	6.943	77	430704	50.493	ng	100
10) Phenol	6.996	94	496755	38.884	ng	100
11) bis(2-Chloroethyl)ether	7.219	93	385335	38.698	ng	100
12) 1,3-Dichlorobenzene	7.684	146	455200	38.523	ng	100
13) 1,4-Dichlorobenzene	7.831	146	462800	38.319	ng	100
14) 1,2-Dichlorobenzene	8.143	146	451306	38.602	ng	100
15) Benzyl Alcohol	8.025	79	376323	38.901	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.313	45	510991	38.308	ng	100
17) 2-Methylphenol	8.225	107	349313	39.369	ng	100
18) Hexachloroethane	8.866	117	171906	38.712	ng	100
19) n-Nitroso-di-n-propyla...	8.590	70	312773	38.737	ng	100
20) 3+4-Methylphenols	8.549	107	481148	39.121	ng	100
22) Acetophenone	8.601	105	644124	38.708	ng	100
24) Nitrobenzene	8.972	77	457175	38.997	ng	100
25) Isophorone	9.501	82	893987	38.510	ng	100
26) 2-Nitrophenol	9.678	139	239675	39.837	ng	100
27) 2,4-Dimethylphenol	9.743	122	408572	39.489	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	540282	38.502	ng	100
29) 2,4-Dichlorophenol	10.213	162	405233	39.427	ng	100
30) 1,2,4-Trichlorobenzene	10.425	180	434105	38.529	ng	100
31) Naphthalene	10.613	128	1326839	38.472	ng	100
32) Benzoic acid	9.872	122	301281	39.537	ng	100
33) 4-Chloroaniline	10.713	127	599466	39.350	ng	100
34) Hexachlorobutadiene	10.901	225	271549	38.700	ng	100
35) Caprolactam	11.495	113	145175	38.520	ng	100
36) 4-Chloro-3-methylphenol	11.837	107	459473	38.959	ng	100
37) 2-Methylnaphthalene	12.219	142	865427	38.559	ng	100
38) 1-Methylnaphthalene	12.437	142	909865	38.120	ng	100
40) 1,2,4,5-Tetrachloroben...	12.590	216	494141	38.787	ng	100
41) Hexachlorocyclopentadiene	12.572	237	307015	39.896	ng	100
43) 2,4,6-Trichlorophenol	12.825	196	337157	39.201	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

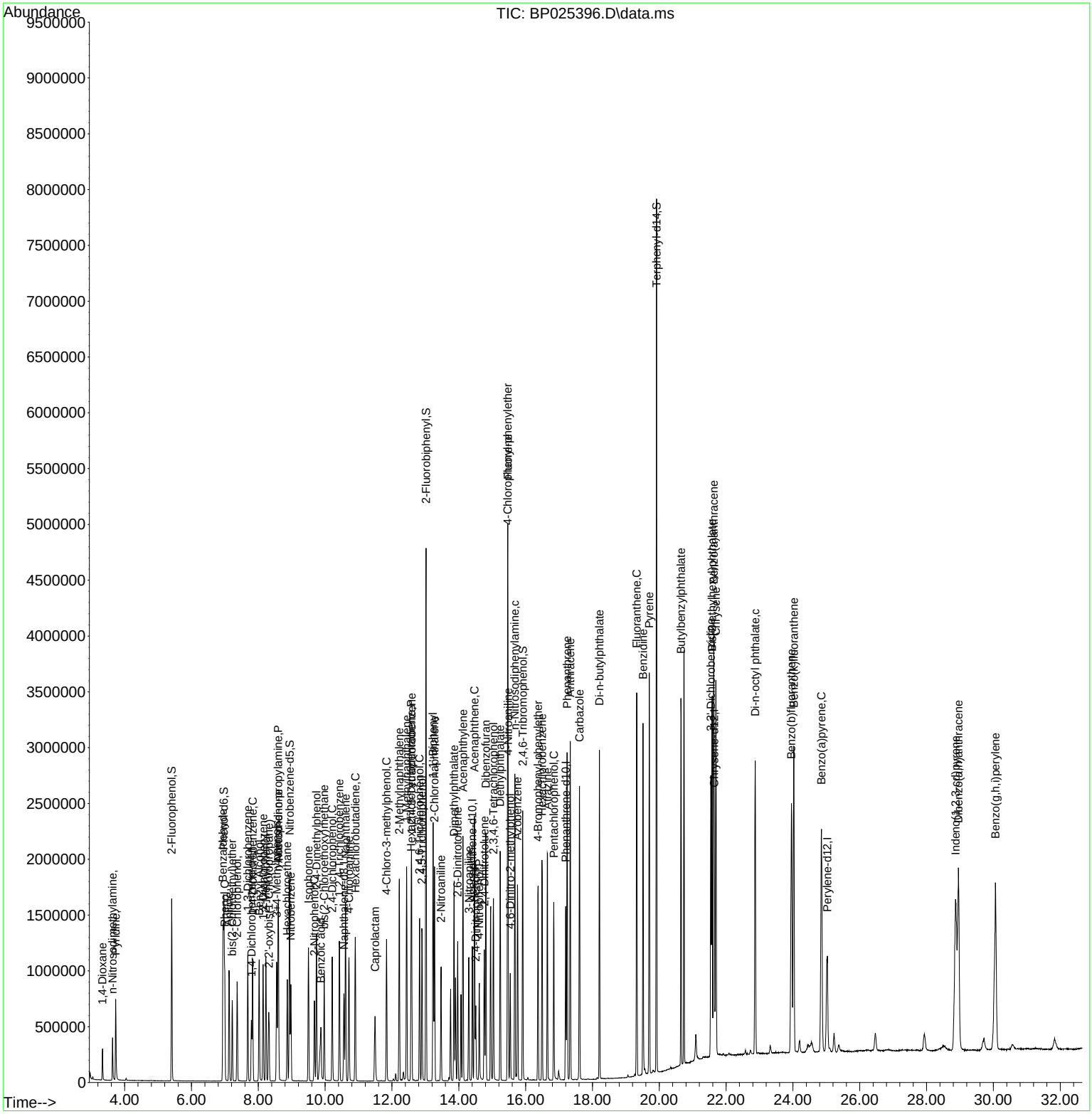
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	373880	39.664	ng	100
46) 1,1'-Biphenyl	13.231	154	1242247	38.777	ng	100
47) 2-Chloronaphthalene	13.272	162	970903	38.930	ng	100
48) 2-Nitroaniline	13.472	65	291341	40.092	ng	100
49) Acenaphthylene	14.125	152	1593636	38.617	ng	100
50) Dimethylphthalate	13.860	163	1237666	38.316	ng	100
51) 2,6-Dinitrotoluene	13.966	165	272750	40.061	ng	100
52) Acenaphthene	14.466	154	918569	37.921	ng	100
53) 3-Nitroaniline	14.301	138	301417	39.349	ng	100
54) 2,4-Dinitrophenol	14.507	184	144100	39.633	ng	100
55) Dibenzofuran	14.807	168	1479220	38.624	ng	100
56) 4-Nitrophenol	14.613	139	246542	39.168	ng	100
57) 2,4-Dinitrotoluene	14.766	165	386189	39.757	ng	100
58) Fluorene	15.466	166	1151825	38.115	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	324396	38.975	ng	100
60) Diethylphthalate	15.236	149	1264740	38.533	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	574546	38.228	ng	100
62) 4-Nitroaniline	15.478	138	309740	39.443	ng	100
63) Azobenzene	15.754	77	1091004	38.820	ng	100
65) 4,6-Dinitro-2-methylph...	15.542	198	217153	39.384	ng	100
66) n-Nitrosodiphenylamine	15.678	169	1045170	38.749	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	376864	38.739	ng	100
68) Hexachlorobenzene	16.489	284	428361	37.986	ng	100
69) Atrazine	16.654	200	386256	38.238	ng	100
70) Pentachlorophenol	16.842	266	278412	39.110	ng	100
71) Phenanthrene	17.242	178	1839191	37.851	ng	100
72) Anthracene	17.336	178	1908189	38.456	ng	100
73) Carbazole	17.613	167	1781890	38.125	ng	100
74) Di-n-butylphthalate	18.207	149	2201043	38.277	ng	100
75) Fluoranthene	19.324	202	2172758	37.488	ng	100
77) Benzidine	19.513	184	1738926	56.665	ng	100
78) Pyrene	19.701	202	2290461	39.189	ng	100
80) Butylbenzylphthalate	20.648	149	1041998	39.338	ng	100
81) Benzo(a)anthracene	21.630	228	2280774	38.460	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	877708	39.266	ng	100
83) Chrysene	21.695	228	2125866	38.278	ng	100
84) Bis(2-ethylhexyl)phtha...	21.583	149	1493804	38.310	ng	100
85) Di-n-octyl phthalate	22.871	149	2597558	38.730	ng	100
87) Indeno(1,2,3-cd)pyrene	28.865	276	2490737	33.216	ng	93
88) Benzo(b)fluoranthene	23.954	252	2318198	38.462	ng	100
89) Benzo(k)fluoranthene	24.030	252	2309091	38.285	ng	100
90) Benzo(a)pyrene	24.854	252	2265862	38.620	ng	100
91) Dibenzo(a,h)anthracene	28.953	278	2363840	38.589	ng	100
92) Benzo(g,h,i)perylene	30.059	276	2327292	38.654	ng	100

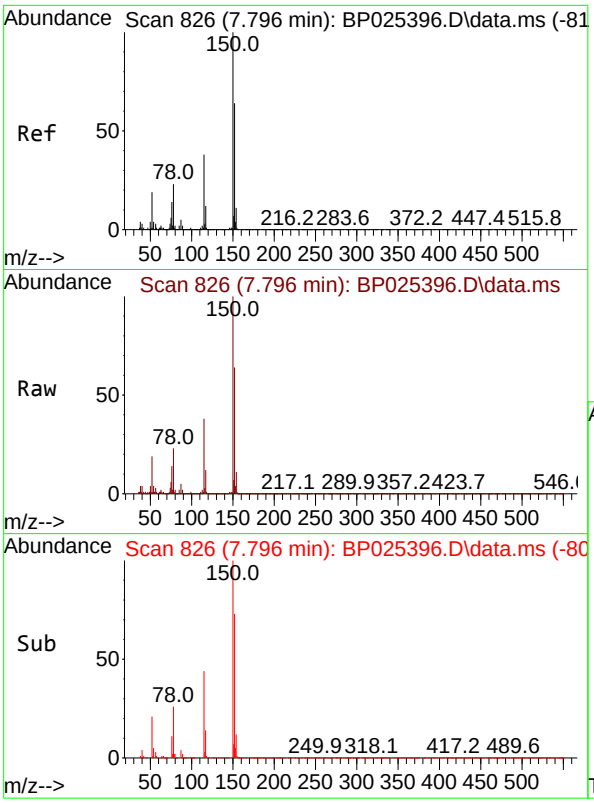
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025396.D
Acq On : 14 Aug 2025 15:19
Operator : CG/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Aug 14 17:55:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



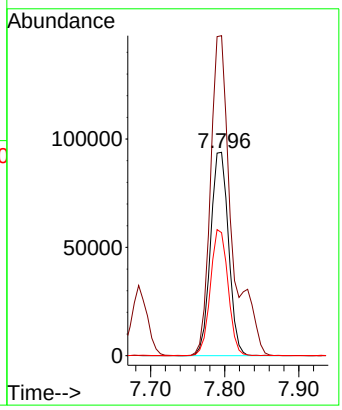


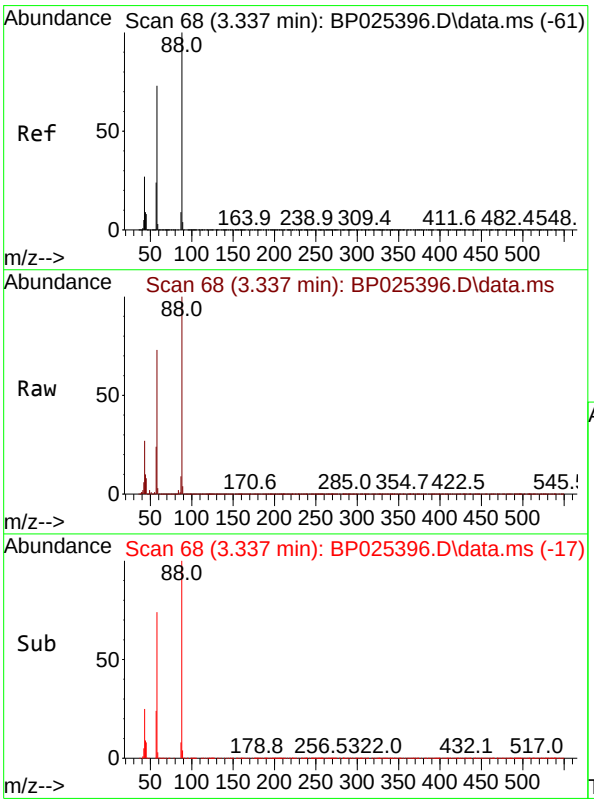
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 157704

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	60.6	48.5	72.7

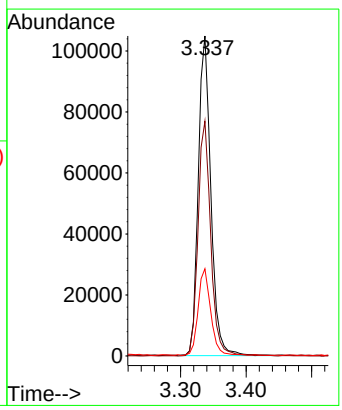


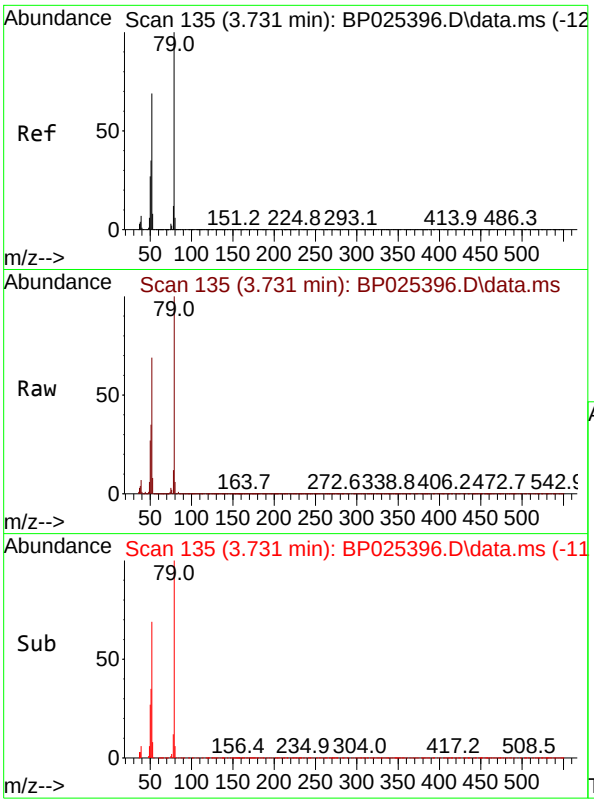


#2
1,4-Dioxane
Concen: 37.726 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 88 Resp: 140326

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	27.1	21.7	32.5



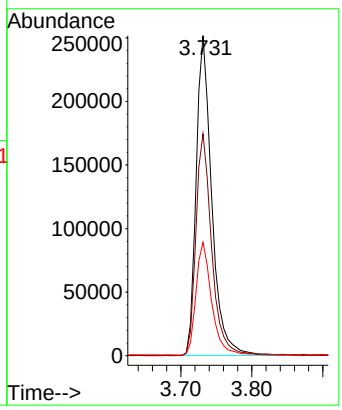


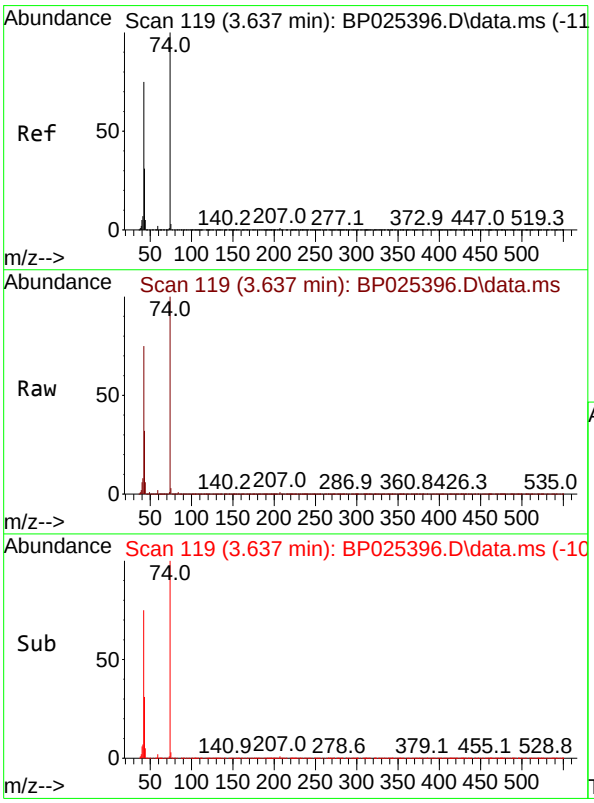
#3
Pyridine
Concen: 37.809 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 384936

Ion	Ratio	Lower	Upper
79	100		
52	69.4	55.5	83.3
51	35.4	28.3	42.5

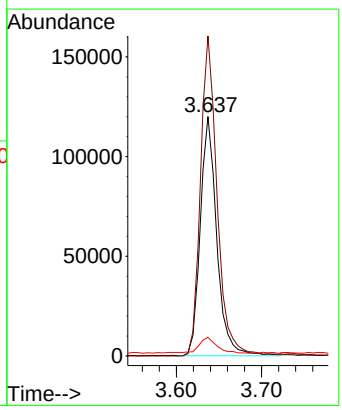


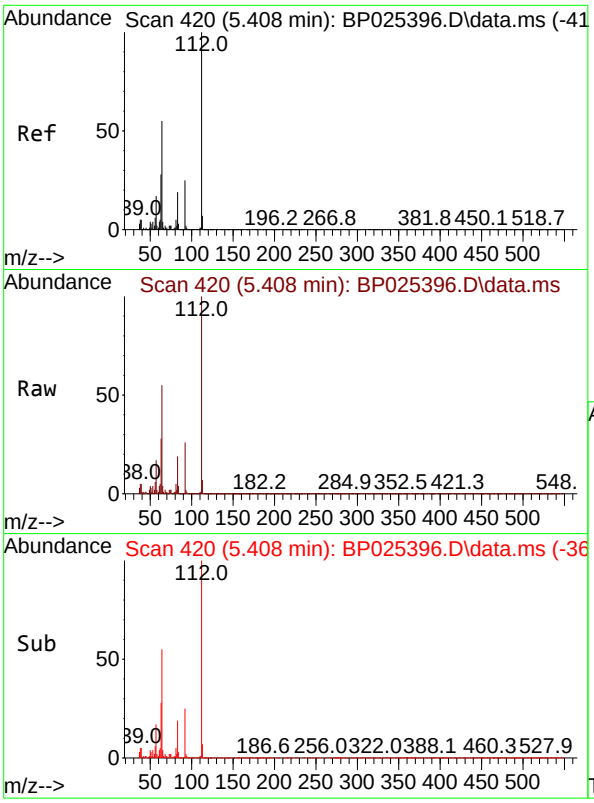


#4
n-Nitrosodimethylamine
Concen: 38.421 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 42 Resp: 161267

Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	7.8	6.2	9.4



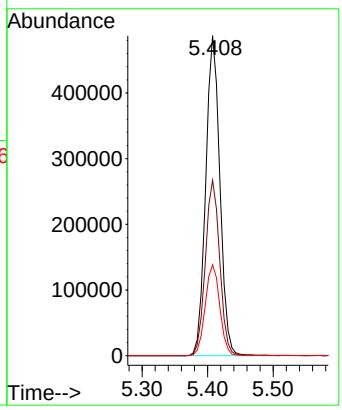


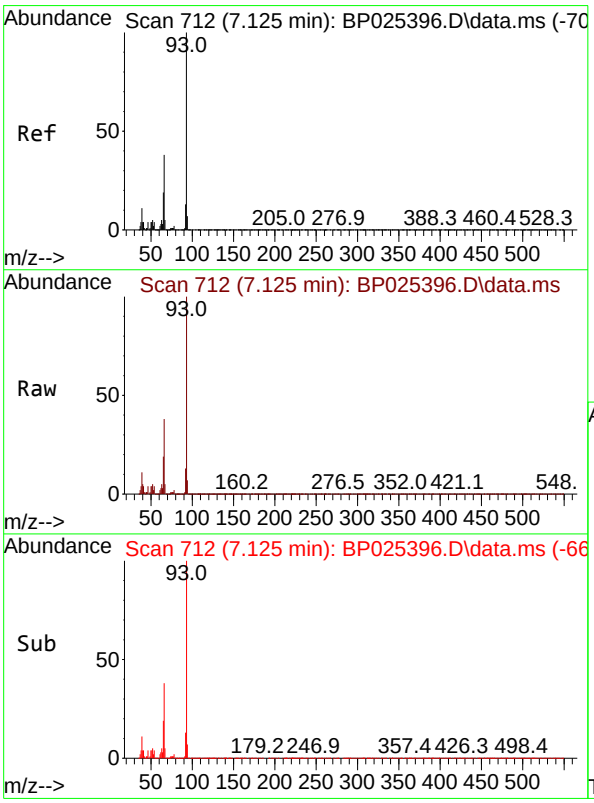
#5
2-Fluorophenol
Concen: 77.209 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 733191

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.8
63	28.4	22.7	34.1

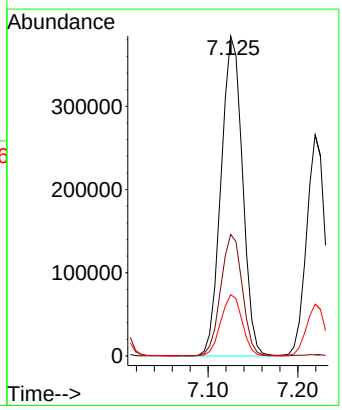


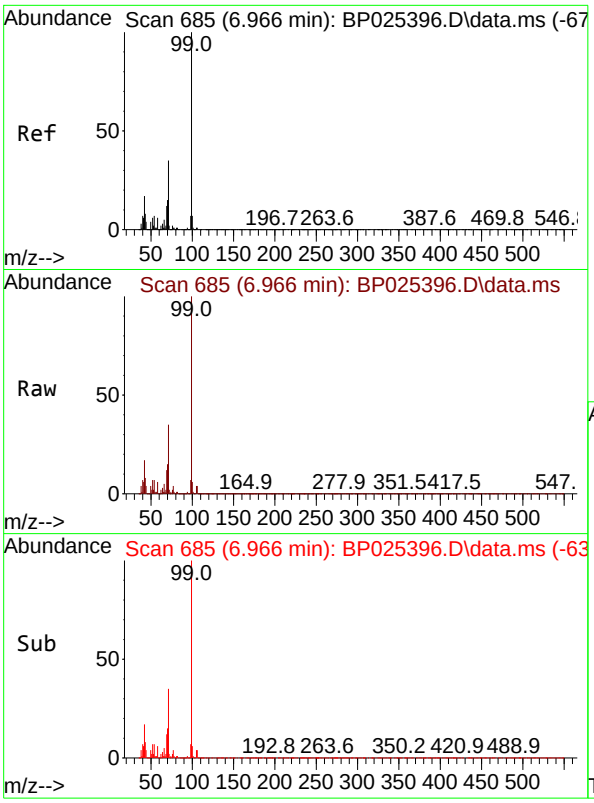


#6
Aniline
Concen: 38.842 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 637156

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9



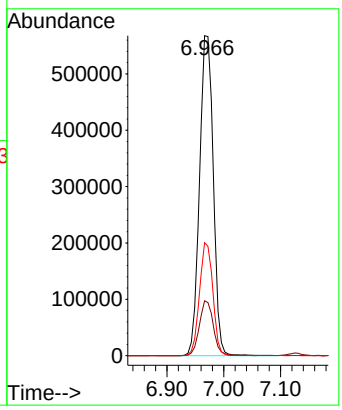


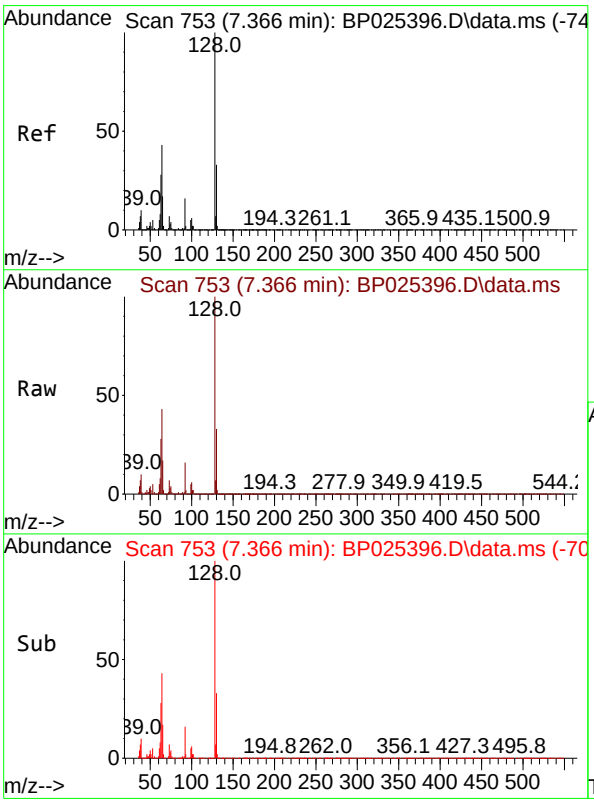
#7
Phenol-d6
Concen: 78.381 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 954285

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.3	28.2	42.4

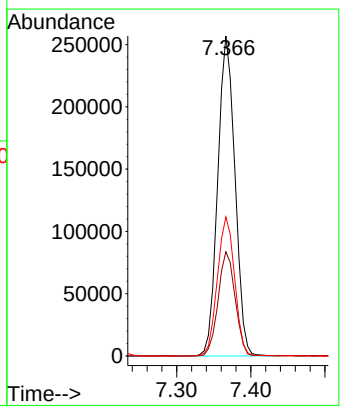


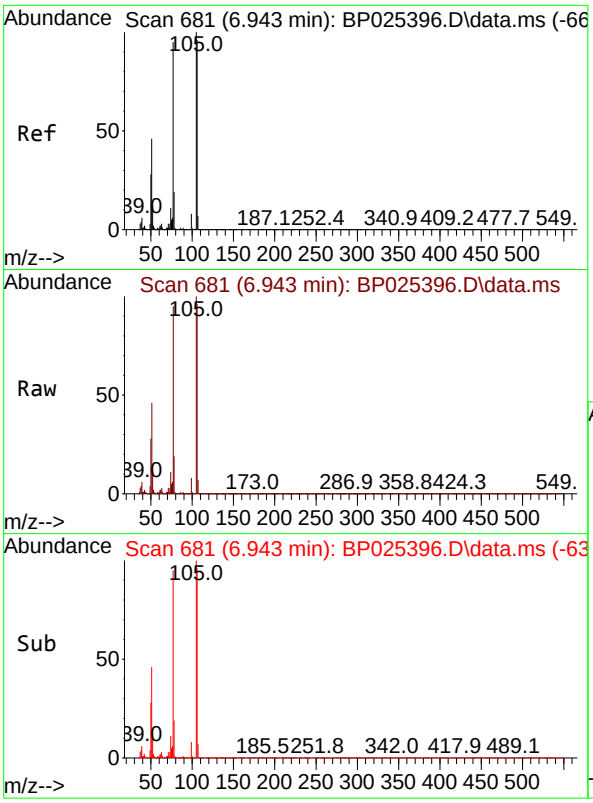


#8
2-Chlorophenol
Concen: 38.655 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:128 Resp: 414233

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	43.4	23.4	63.4



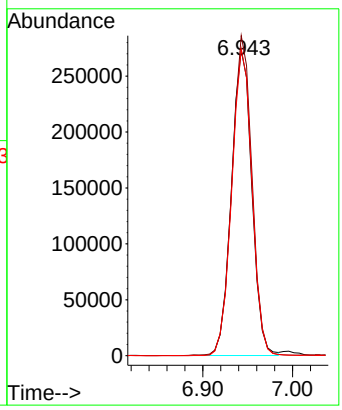


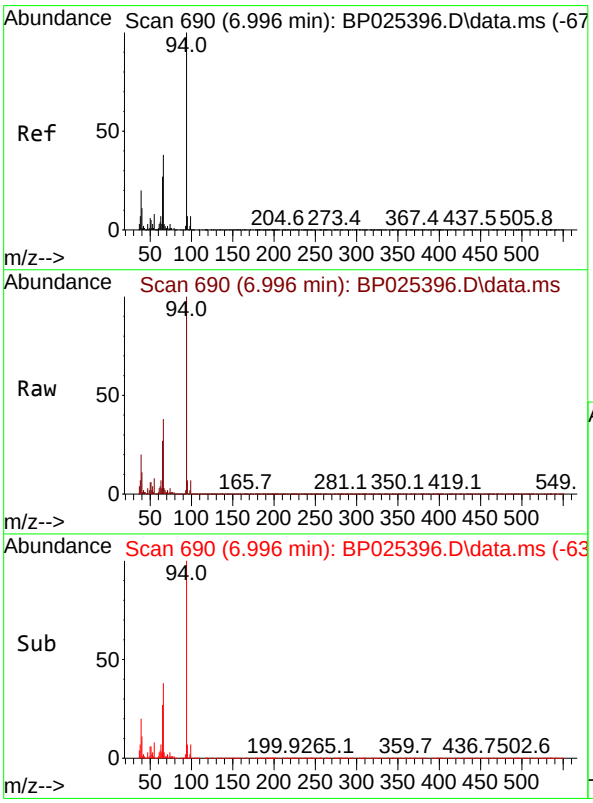
#9
Benzaldehyde
Concen: 50.493 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 430704

Ion	Ratio	Lower	Upper
77	100		
105	104.8	84.8	124.8
106	100.5	80.5	120.5

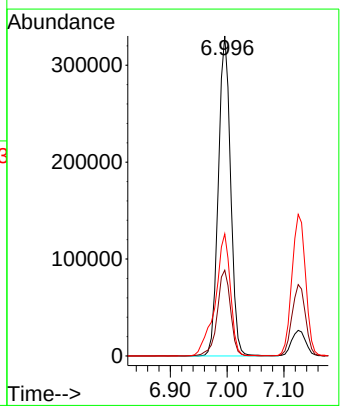


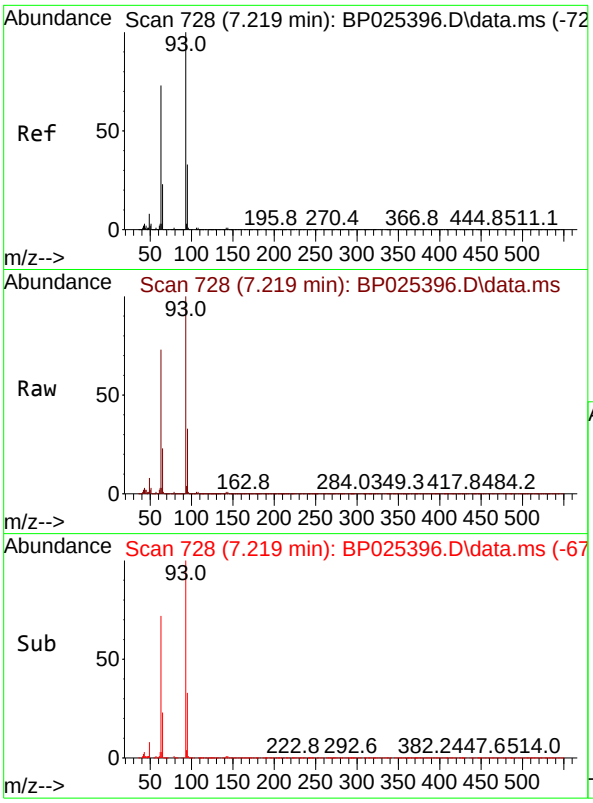


#10
Phenol
Concen: 38.884 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 94 Resp: 496755

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.8	46.8
66	38.2	18.2	58.2



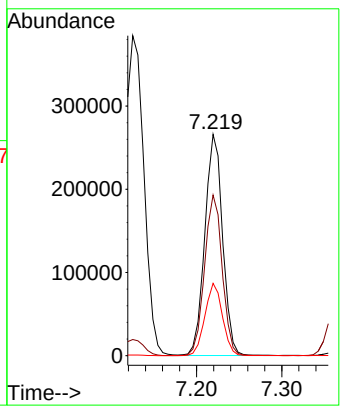


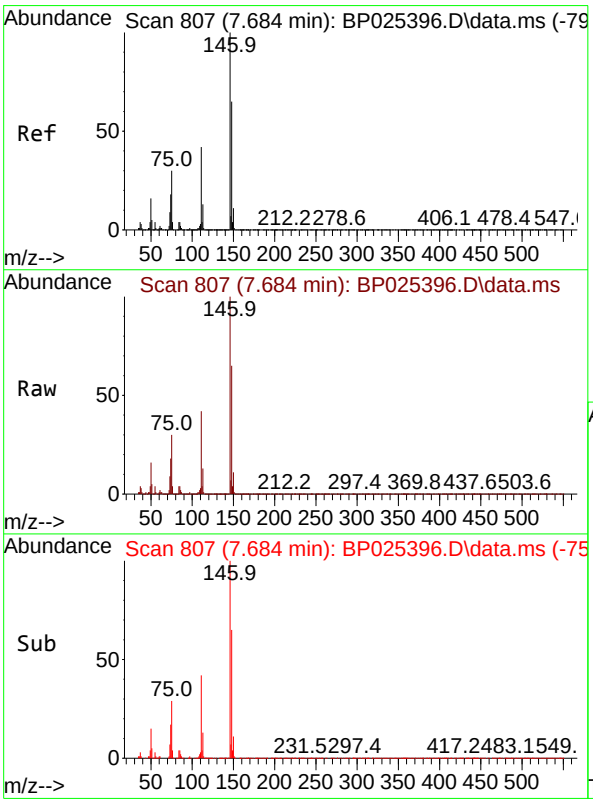
#11
bis(2-Chloroethyl)ether
Concen: 38.698 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 385335

Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.6	92.6
95	32.7	12.7	52.7

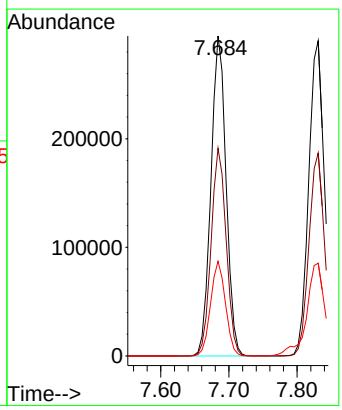


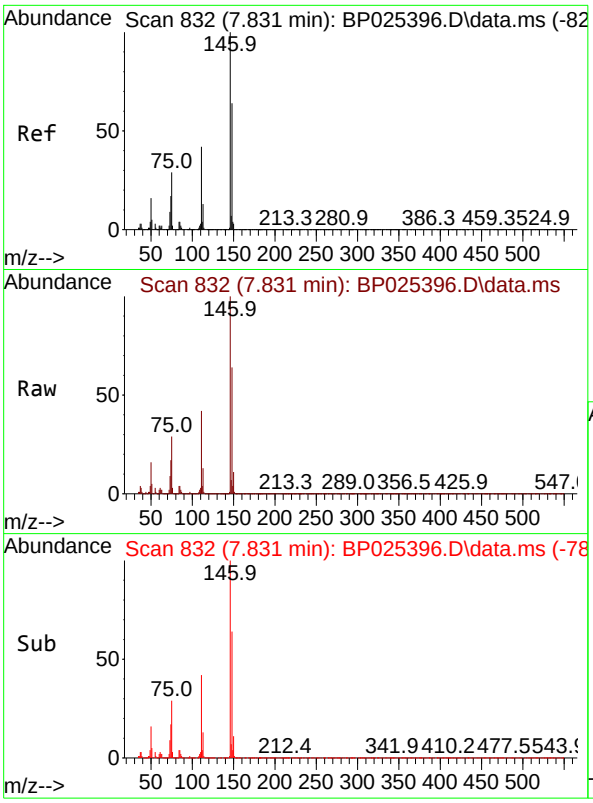


#12
1,3-Dichlorobenzene
Concen: 38.523 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 455200

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.6	23.7	35.5



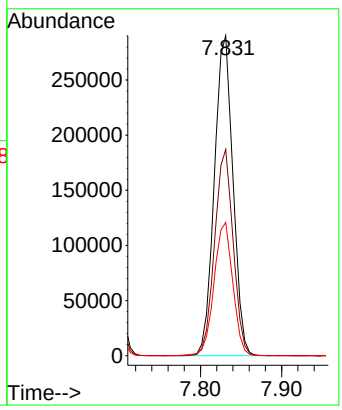


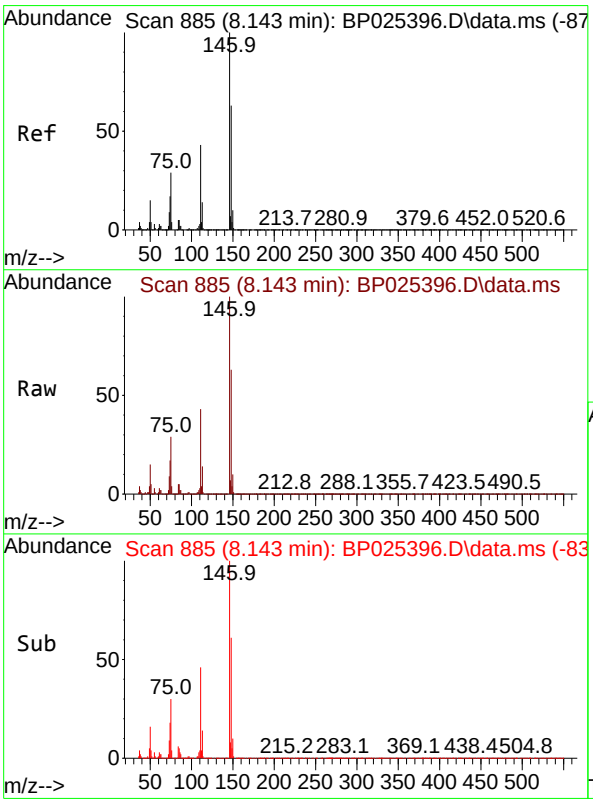
#13
1,4-Dichlorobenzene
Concen: 38.319 ng
RT: 7.831 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 462800

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	41.7	33.4	50.0

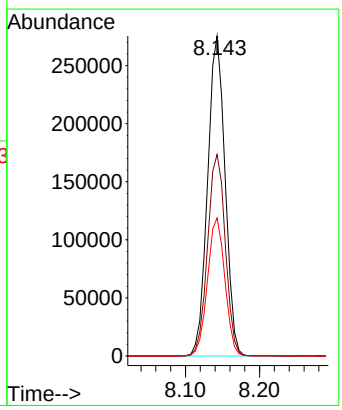


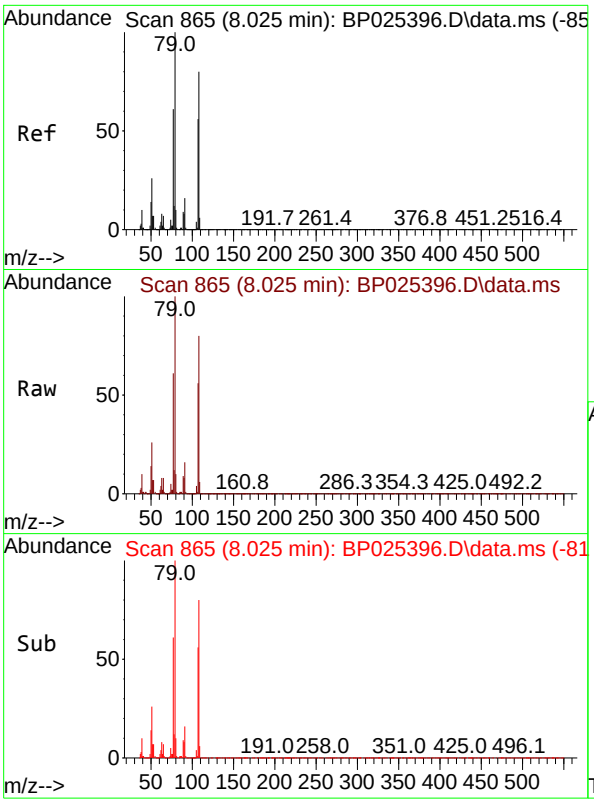


#14
1,2-Dichlorobenzene
Concen: 38.602 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:146 Resp: 451306

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.1	34.5	51.7



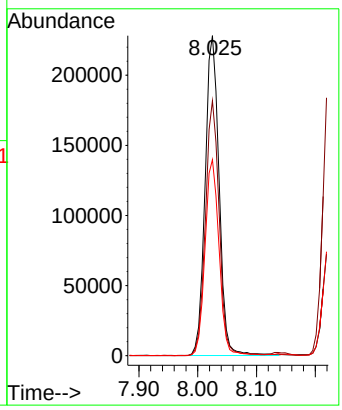


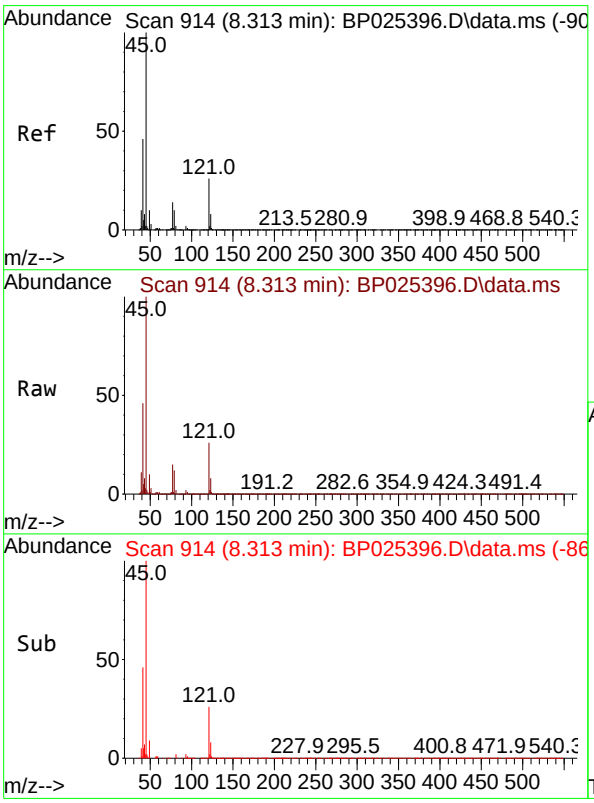
#15
Benzyl Alcohol
Concen: 38.901 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 376323

Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.8	95.6
77	61.2	49.0	73.4

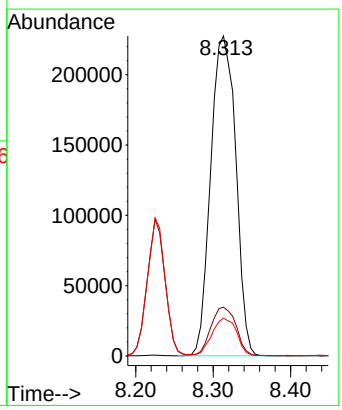


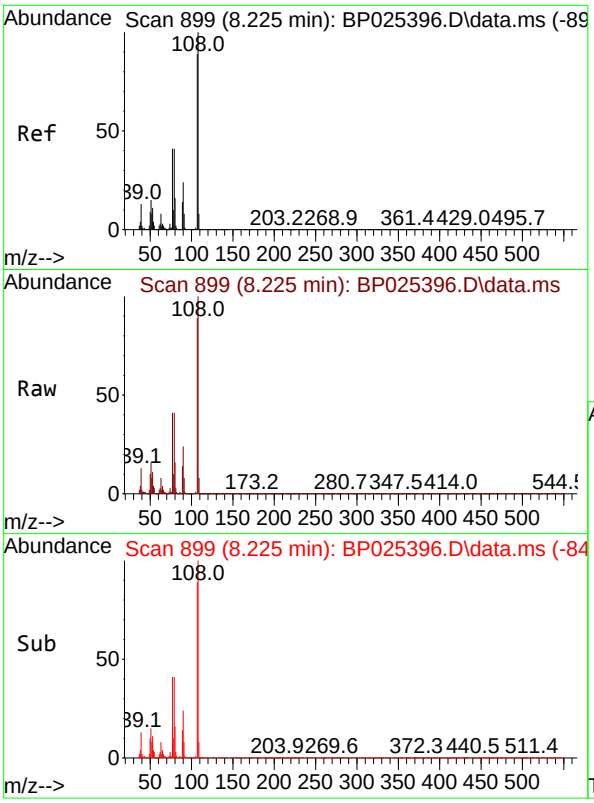


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.308 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 45 Resp: 510991

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.3
79	11.8	0.0	31.8



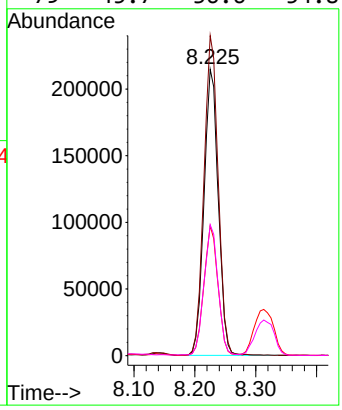


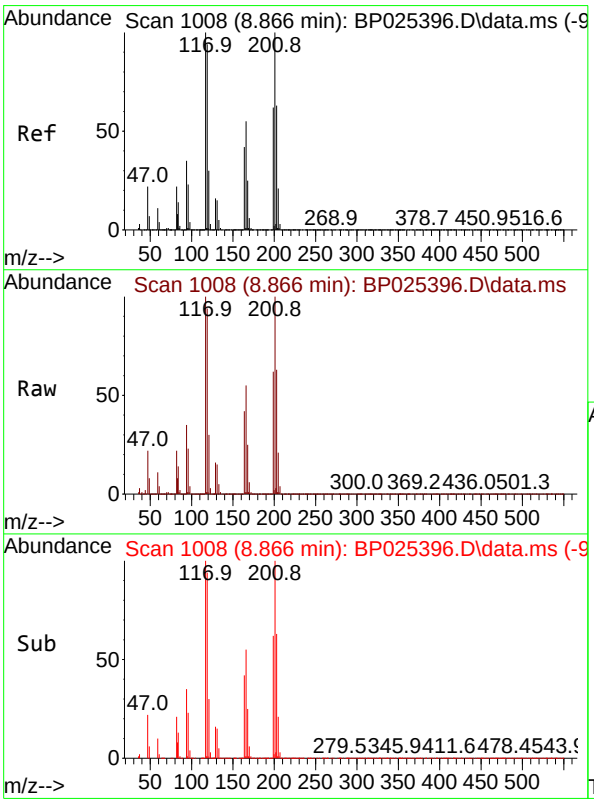
#17
2-Methylphenol
Concen: 39.369 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 349313

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	45.7	36.6	54.8

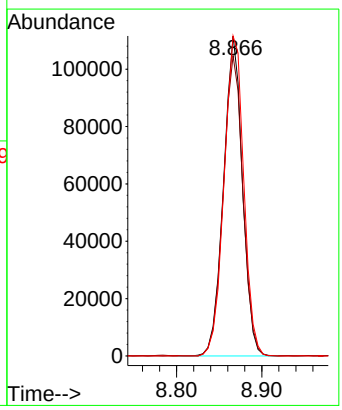


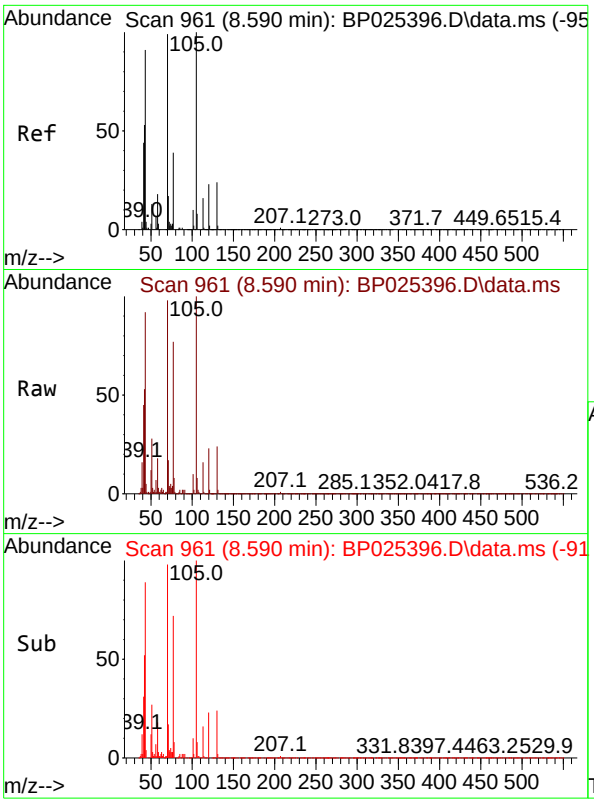


#18
Hexachloroethane
Concen: 38.712 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:117 Resp: 171906

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.1	112.7
201	100.1	80.1	120.1



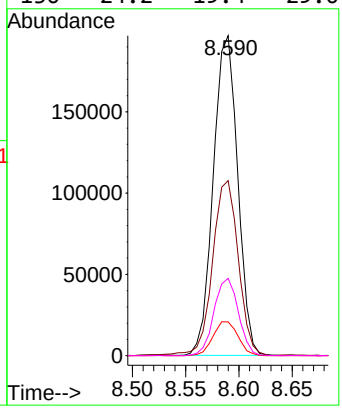


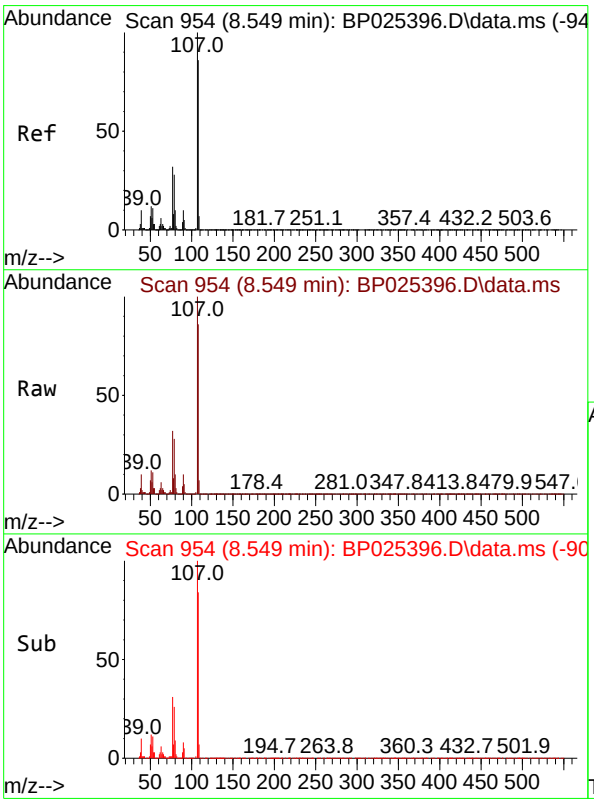
#19
n-Nitroso-di-n-propylamine
Concen: 38.737 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 312773

Ion	Ratio	Lower	Upper
70	100		
42	54.7	43.8	65.6
101	10.6	8.5	12.7
130	24.2	19.4	29.0

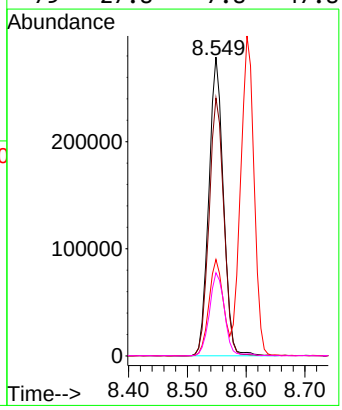


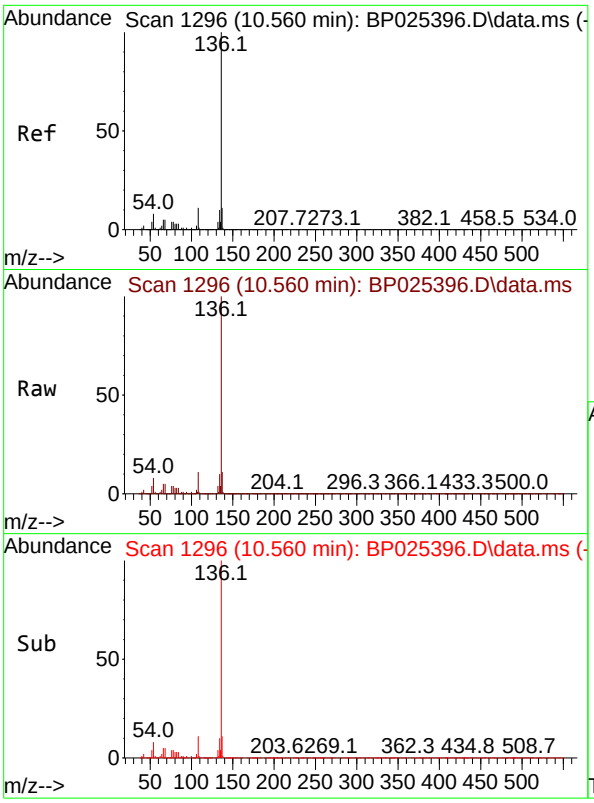


#20
3+4-Methylphenols
Concen: 39.121 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 481148

Ion	Ratio	Lower	Upper
107	100		
108	86.3	66.3	106.3
77	32.3	12.3	52.3
79	27.8	7.8	47.8



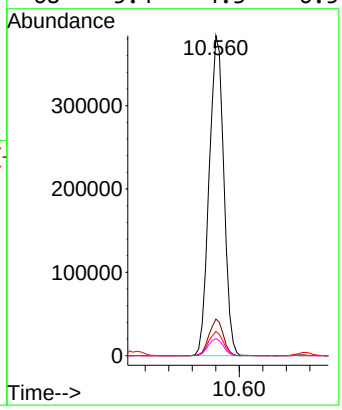


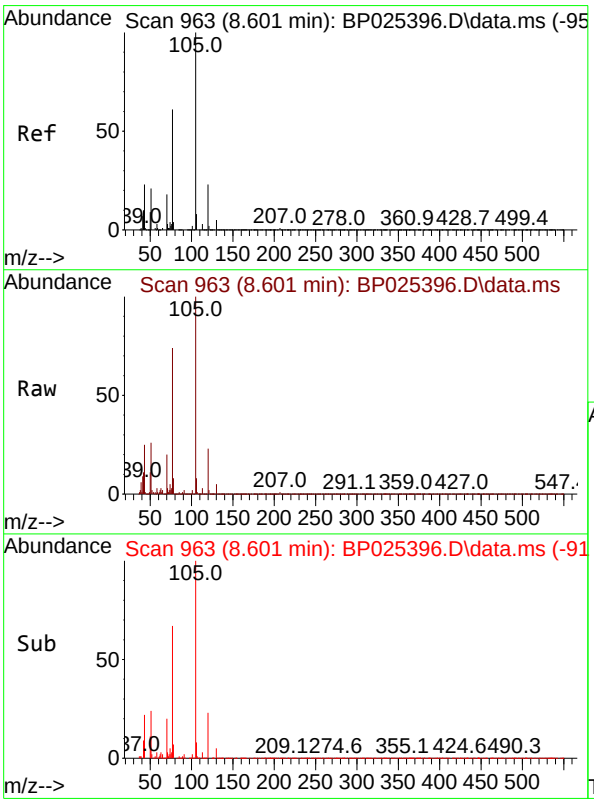
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 663553

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	5.4	4.3	6.5

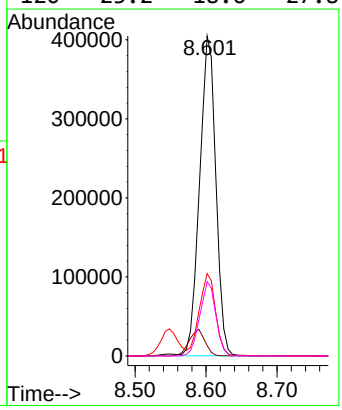


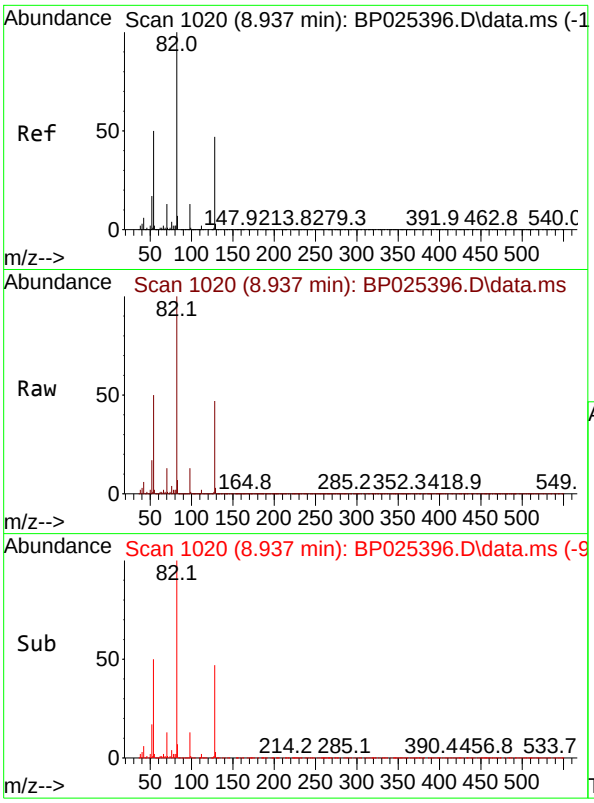


#22
Acetophenone
Concen: 38.708 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:105 Resp: 644124

Ion	Ratio	Lower	Upper
105	100		
71	3.3	2.6	4.0
51	25.7	20.6	30.8
120	23.2	18.6	27.8



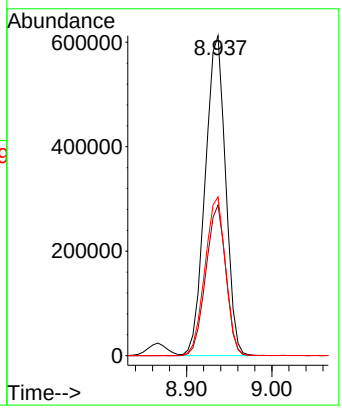


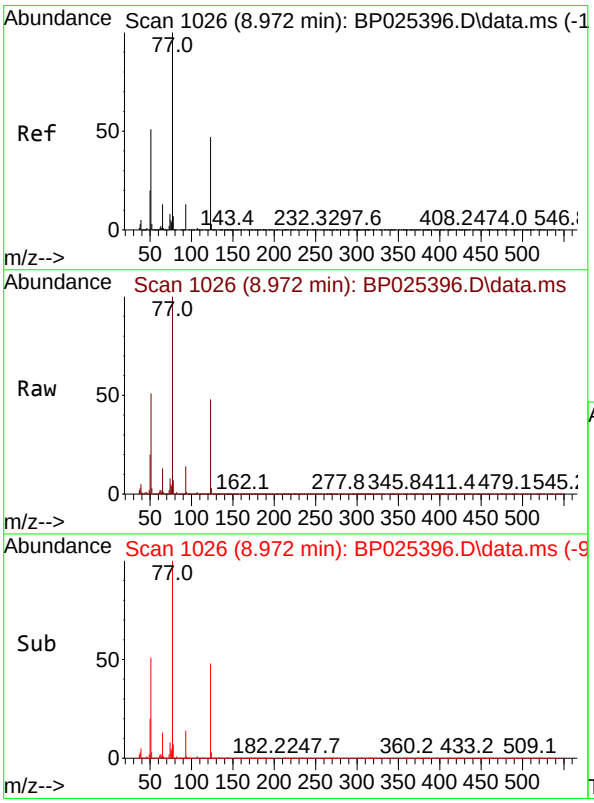
#23
Nitrobenzene-d5
Concen: 77.420 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1015557

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	49.7	39.8	59.6

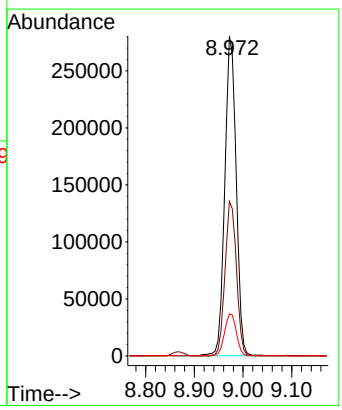


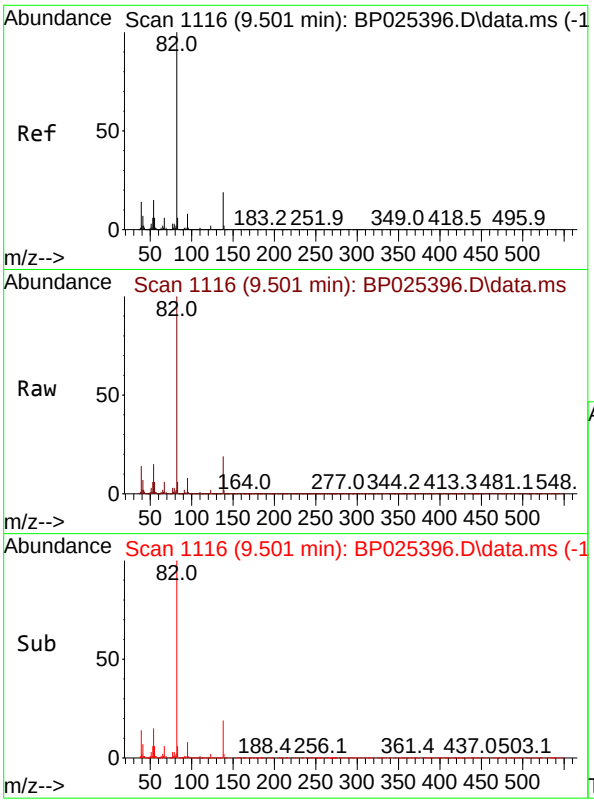


#24
Nitrobenzene
Concen: 38.997 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 77 Resp: 457175

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	13.2	10.6	15.8



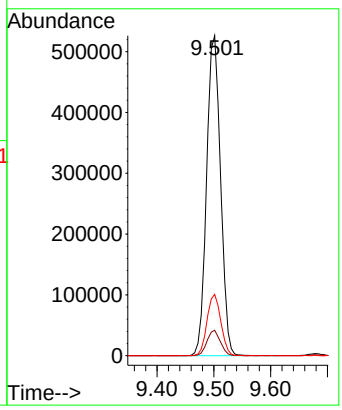


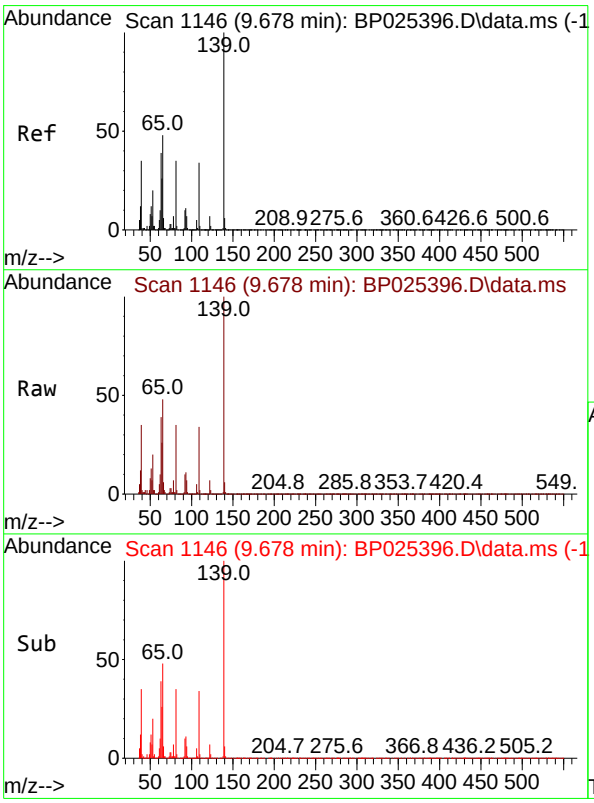
#25
Isophorone
Concen: 38.510 ng
RT: 9.501 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 893987

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0

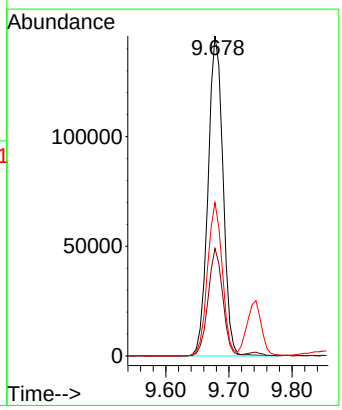


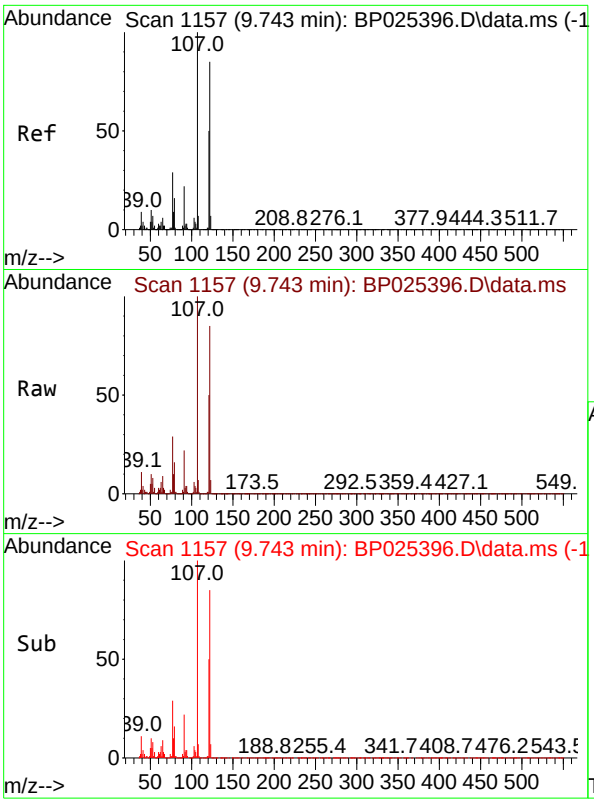


#26
2-Nitrophenol
Concen: 39.837 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 239675

Ion	Ratio	Lower	Upper
139	100		
109	33.6	26.9	40.3
65	47.9	38.3	57.5



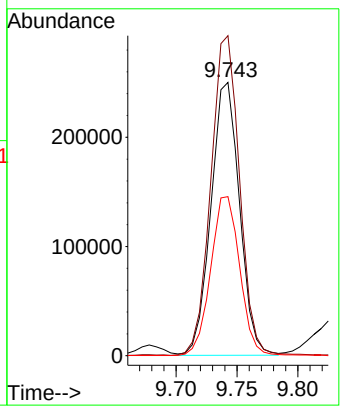


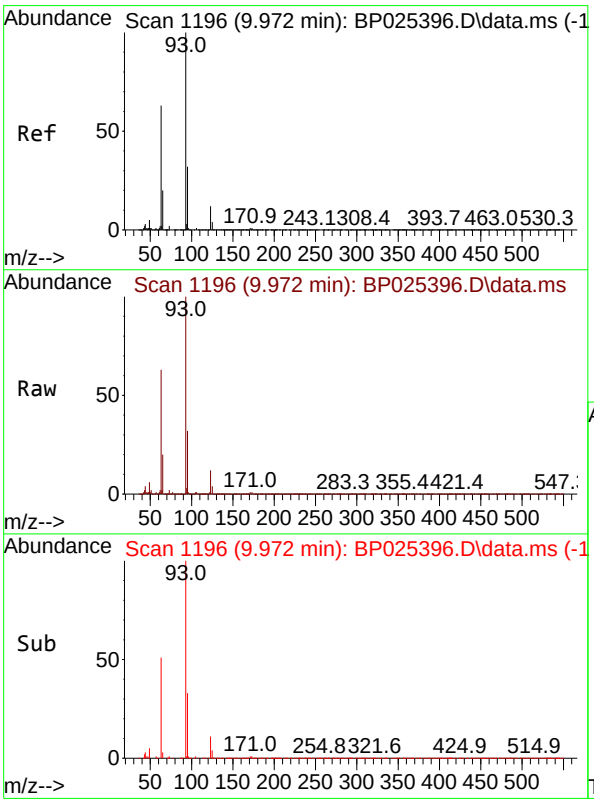
#27
2,4-Dimethylphenol
Concen: 39.489 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 408572

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	58.2	46.6	69.8

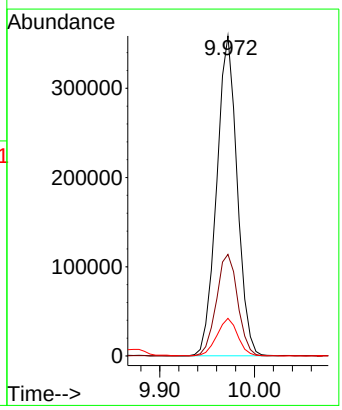


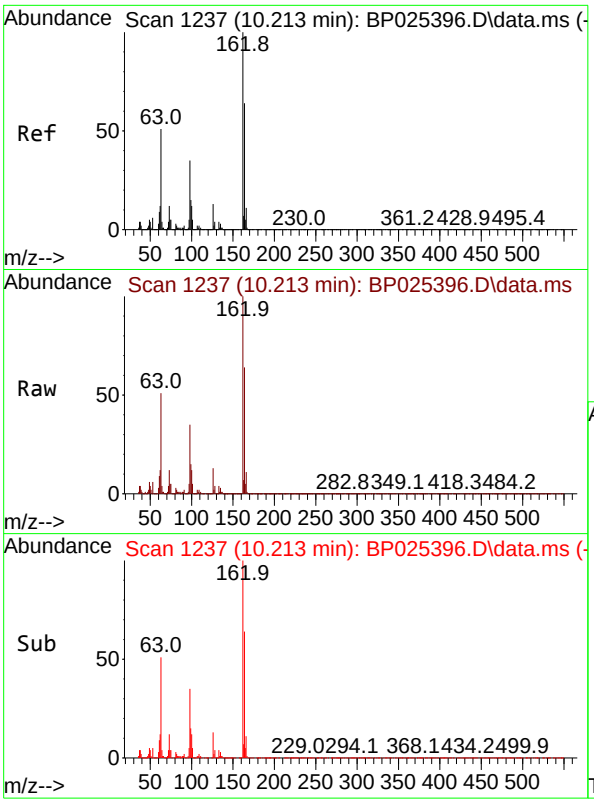


#28
bis(2-Chloroethoxy)methane
Concen: 38.502 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 93 Resp: 540282

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.0
123	11.7	9.4	14.0



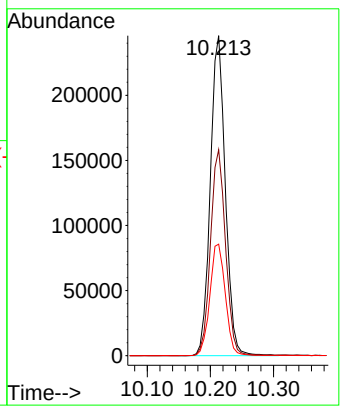


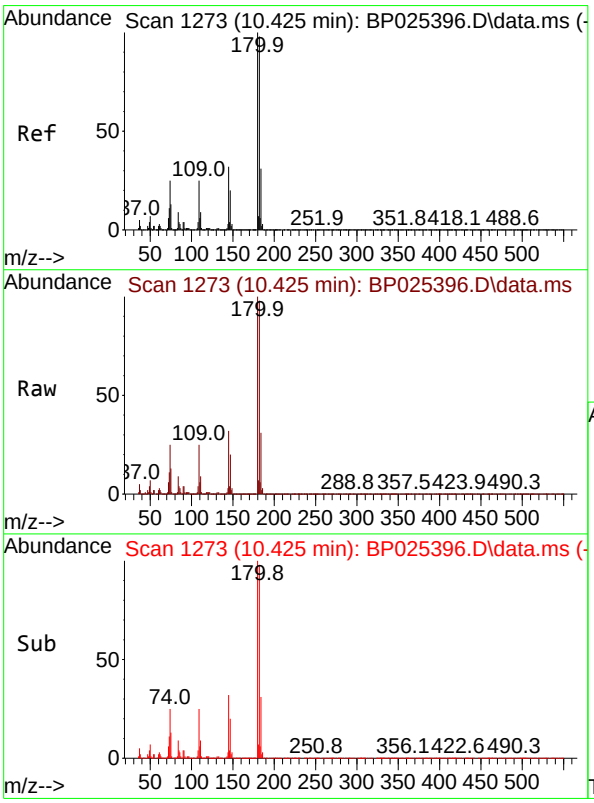
#29
2,4-Dichlorophenol
Concen: 39.427 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 405233

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.4	84.4
98	34.9	14.9	54.9

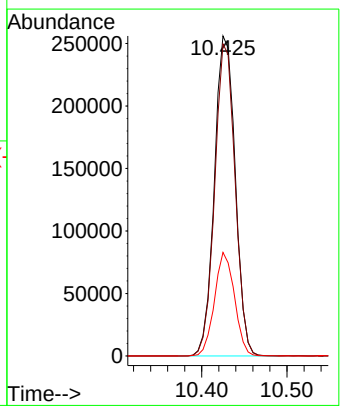


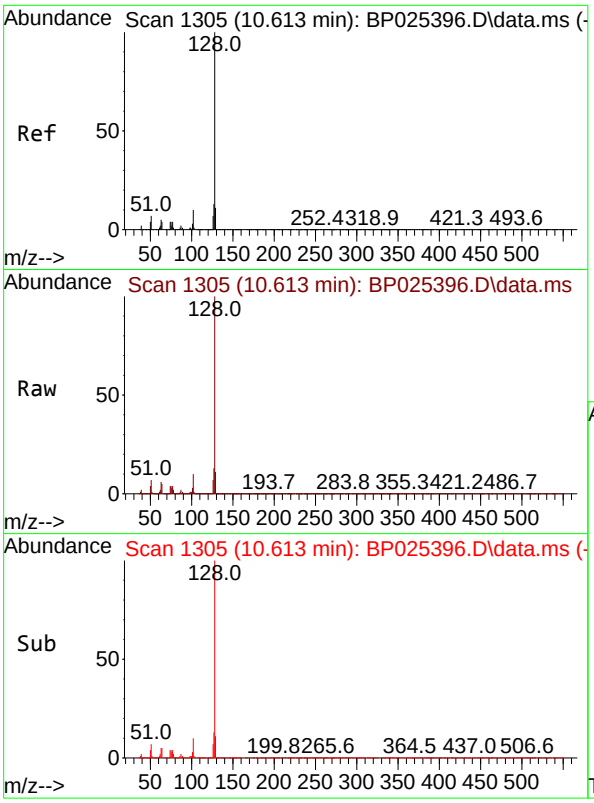


#30
1,2,4-Trichlorobenzene
Concen: 38.529 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:180 Resp: 434105

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
145	32.4	25.9	38.9



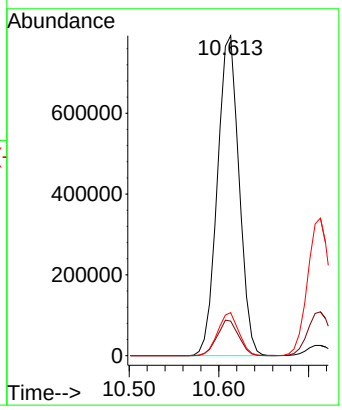


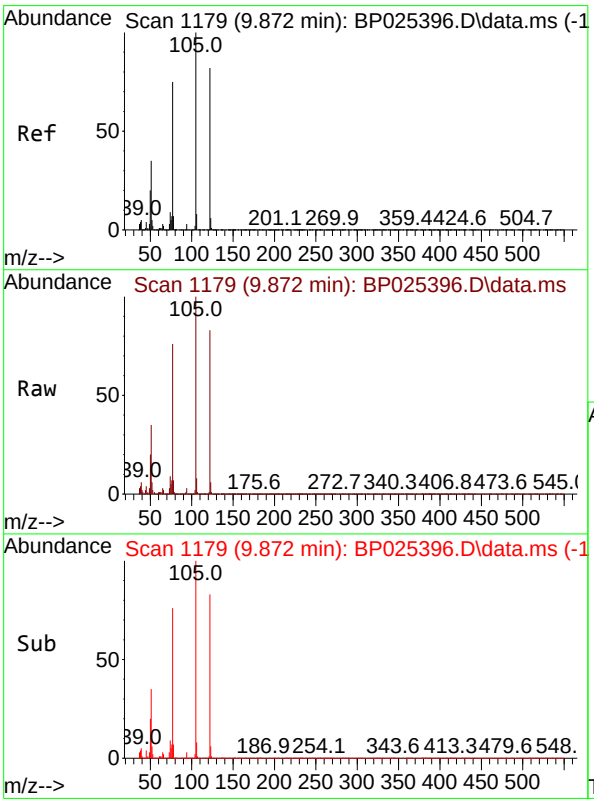
#31
Naphthalene
Concen: 38.472 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1326839

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.4	10.7	16.1

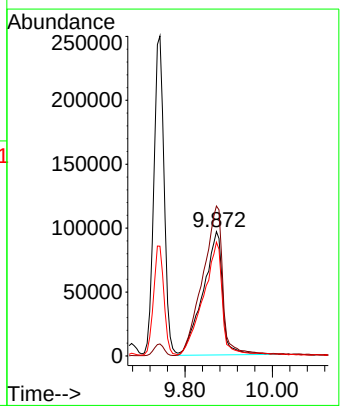


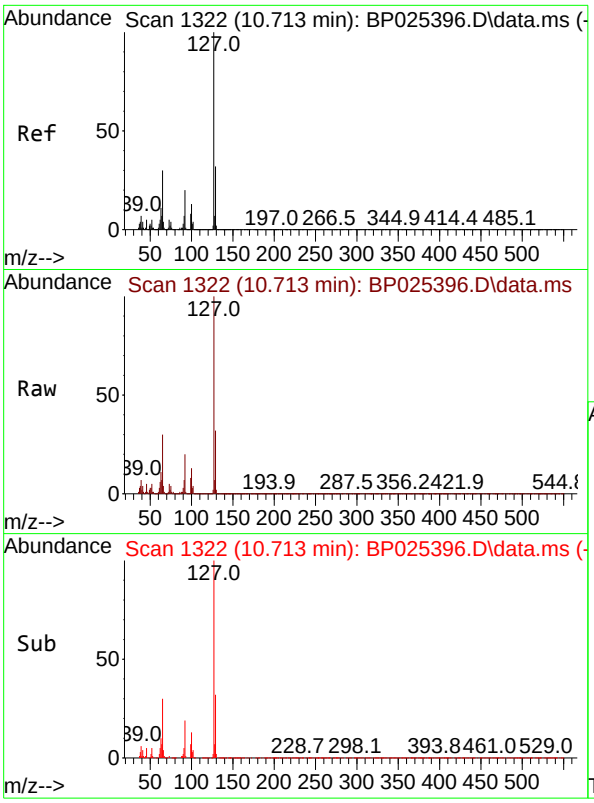


#32
Benzoic acid
Concen: 39.537 ng
RT: 9.872 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:122 Resp: 301281

Ion	Ratio	Lower	Upper
122	100		
105	120.6	100.6	140.6
77	91.5	71.5	111.5



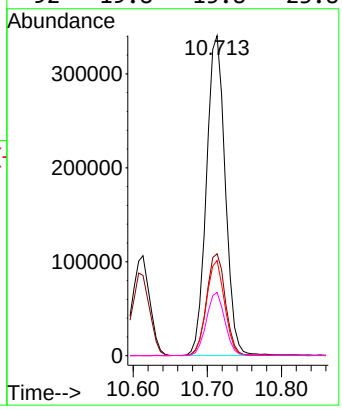


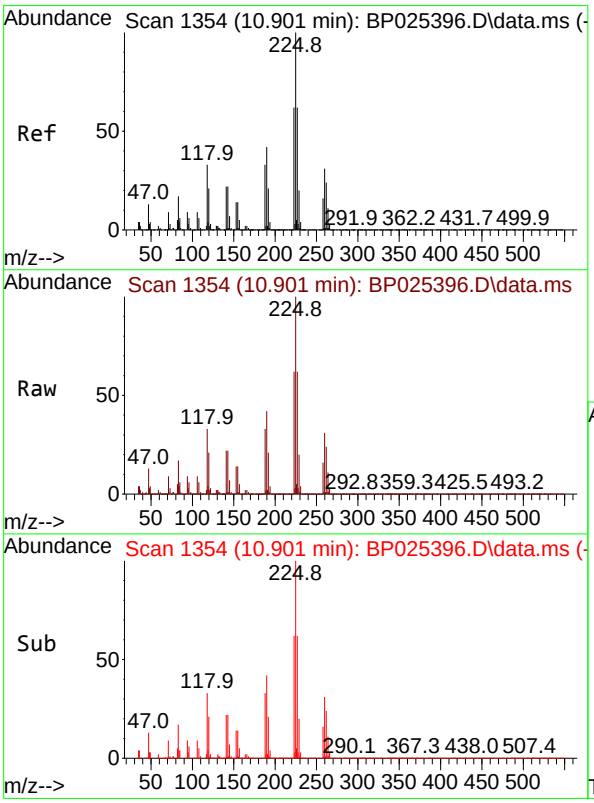
#33
4-Chloroaniline
Concen: 39.350 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 599466

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.2
65	29.7	23.8	35.6
92	19.8	15.8	23.8

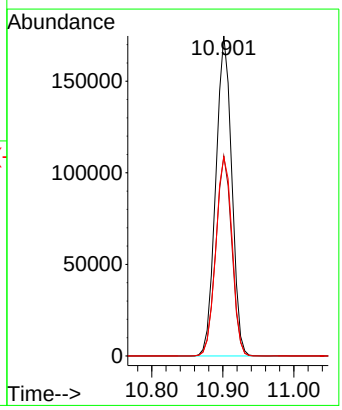


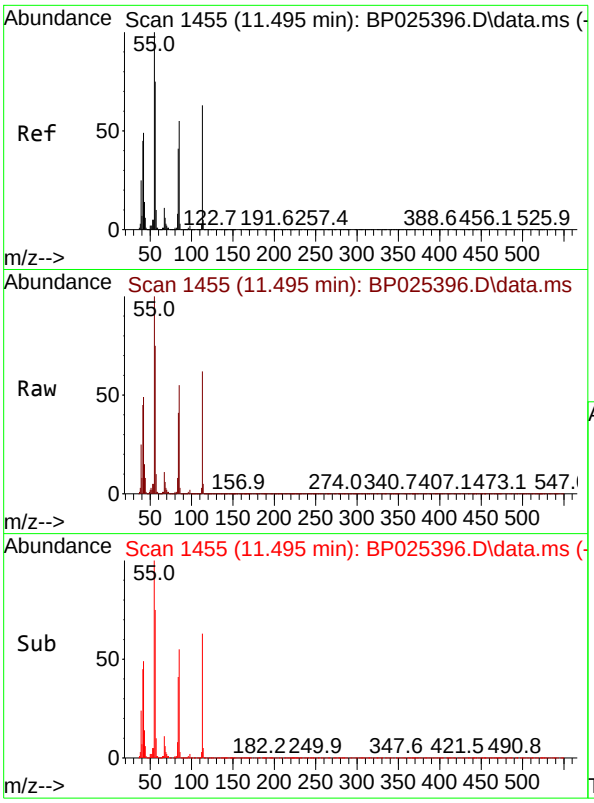


#34
Hexachlorobutadiene
Concen: 38.700 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:225 Resp: 271549

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	62.1	49.7	74.5



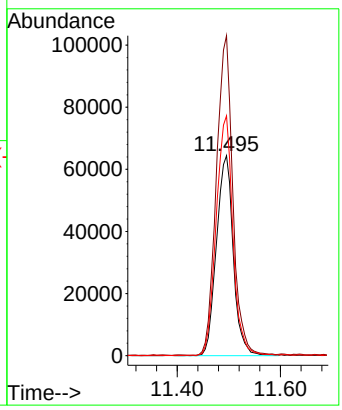


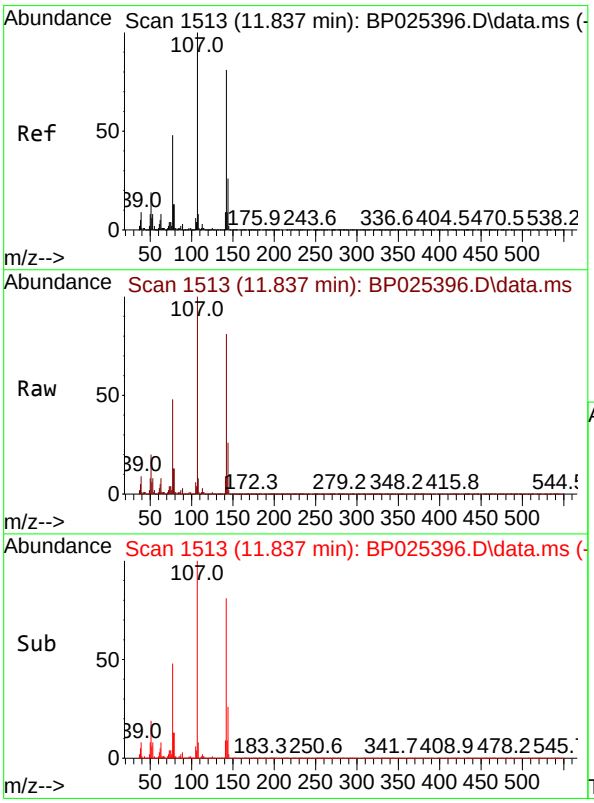
#35
Caprolactam
Concen: 38.520 ng
RT: 11.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 145175

Ion	Ratio	Lower	Upper
113	100		
55	160.0	140.0	180.0
56	120.0	100.0	140.0

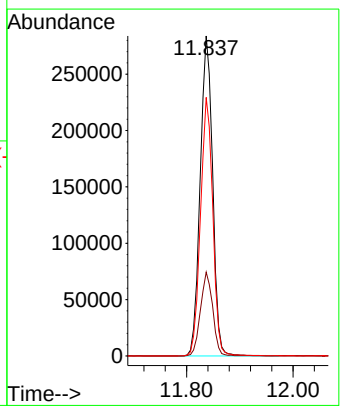


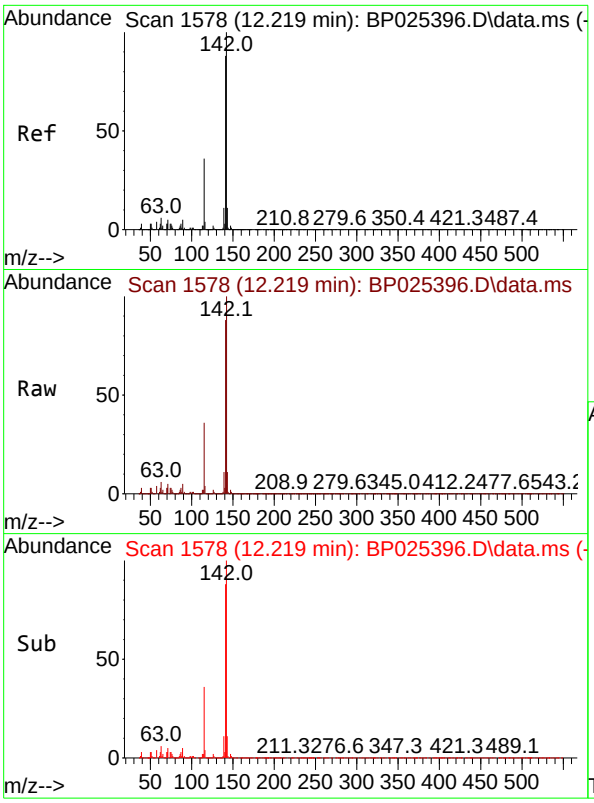


#36
4-Chloro-3-methylphenol
Concen: 38.959 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:107 Resp: 459473

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	80.8	64.6	97.0



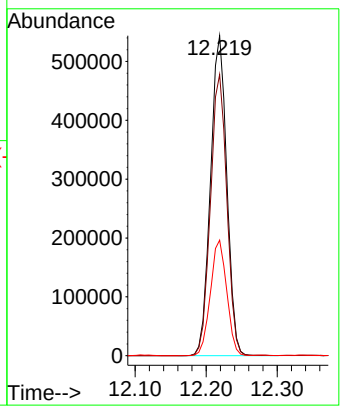


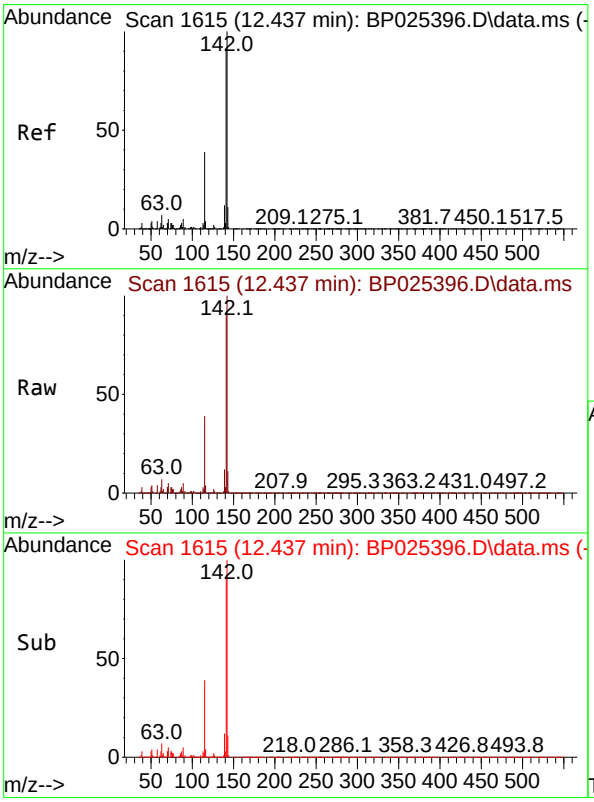
#37
2-Methylnaphthalene
Concen: 38.559 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 865427

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	36.1	28.9	43.3

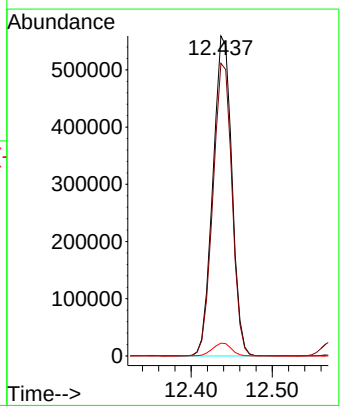


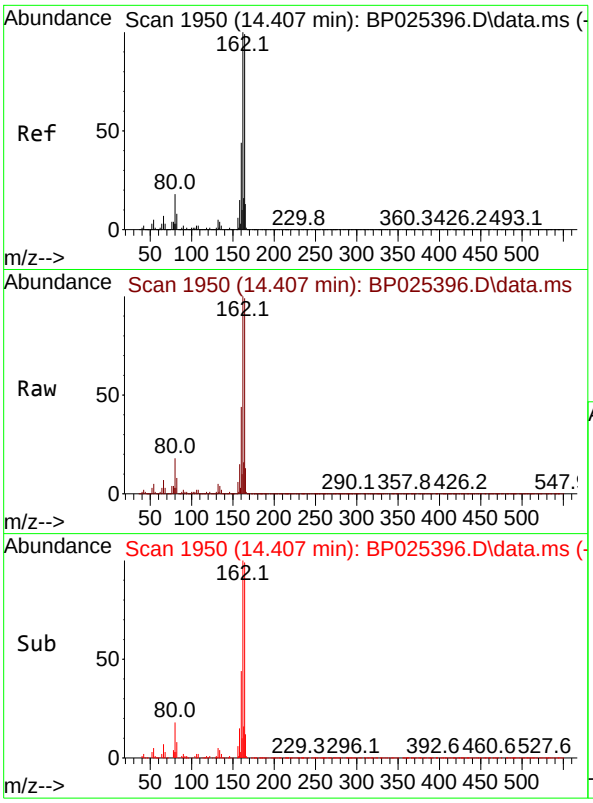


#38
1-Methylnaphthalene
Concen: 38.120 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:142 Resp: 909865

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7
116	4.0	3.2	4.8



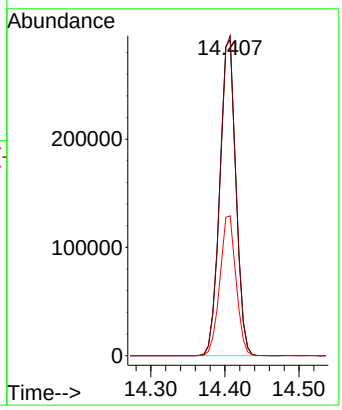


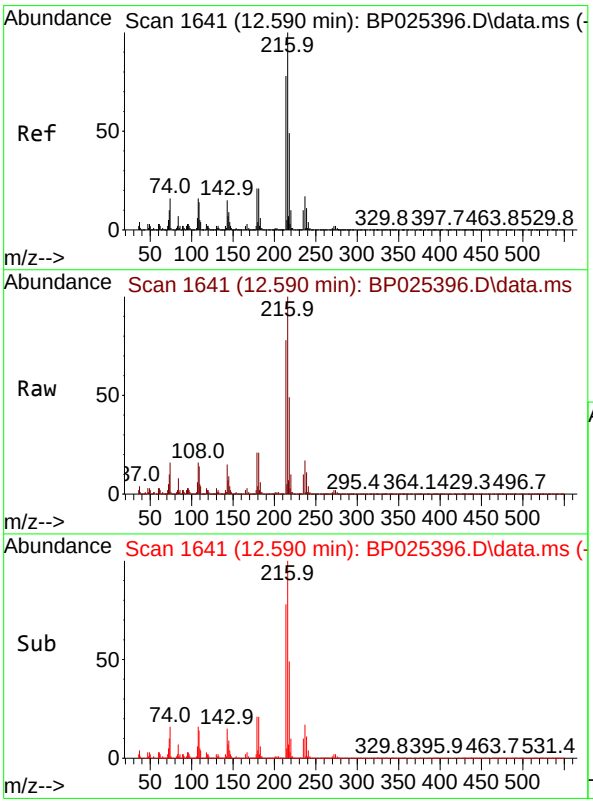
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 441110

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.6
160	44.3	35.4	53.2

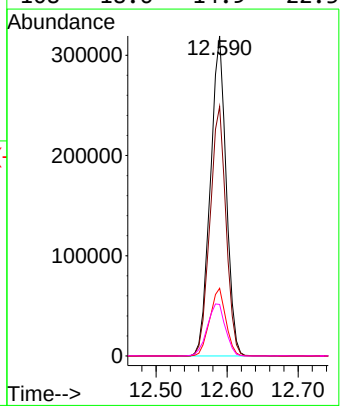


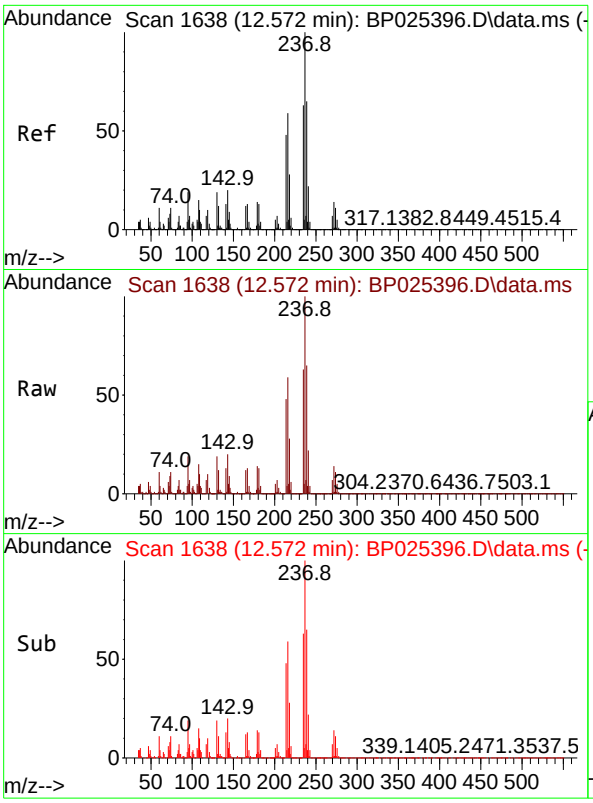


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.787 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:216 Resp: 494141

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.4	17.1	25.7
108	18.6	14.9	22.3



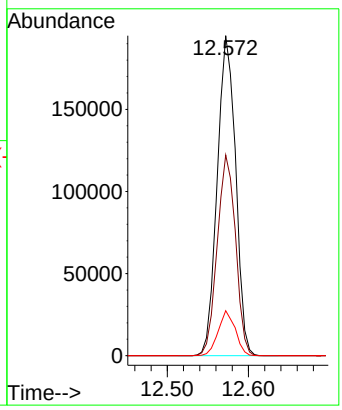


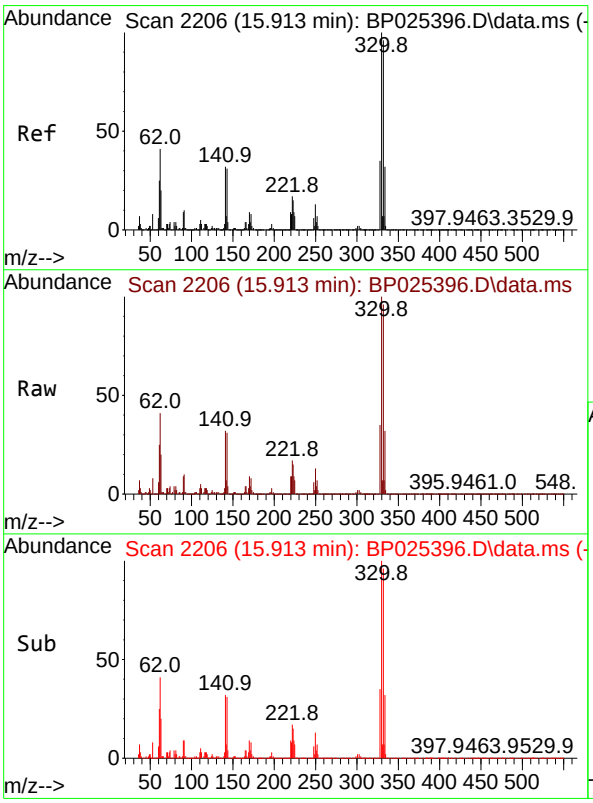
#41
Hexachlorocyclopentadiene
Concen: 39.896 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 307015

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	14.0	0.0	34.0

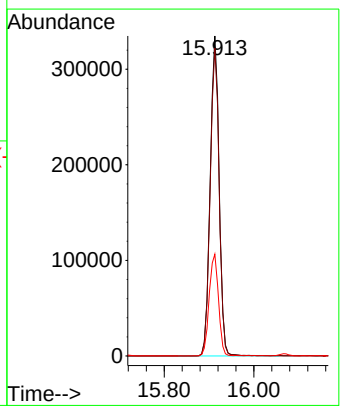


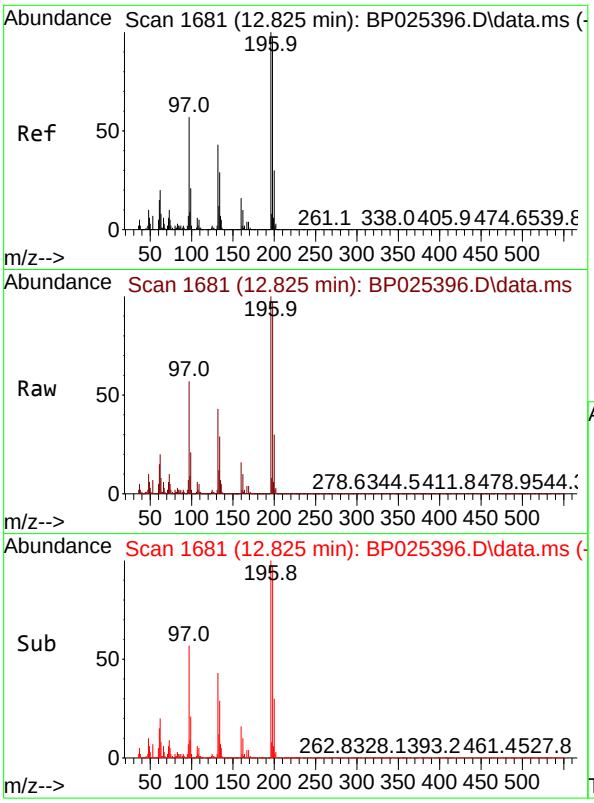


#42
2,4,6-Tribromophenol
Concen: 78.112 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:330 Resp: 463783

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	33.2	26.6	39.8



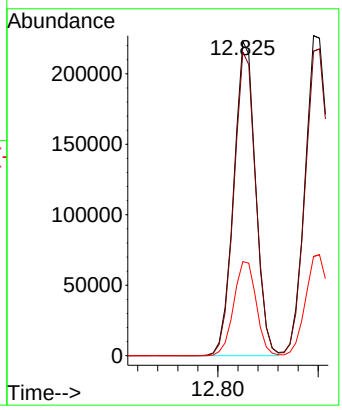


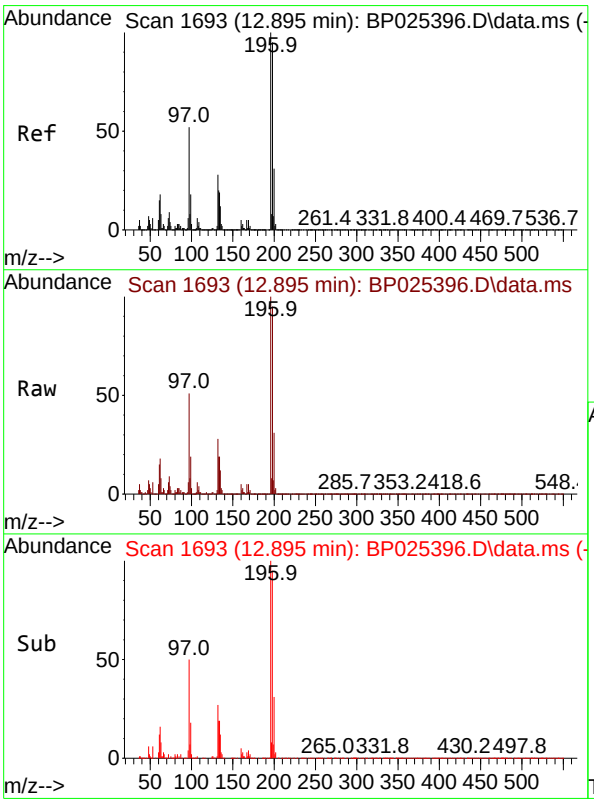
#43
2,4,6-Trichlorophenol
Concen: 39.201 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 337157

Ion	Ratio	Lower	Upper
196	100		
198	96.5	77.2	115.8
200	29.9	23.9	35.9

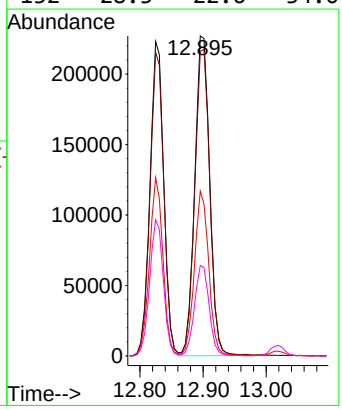


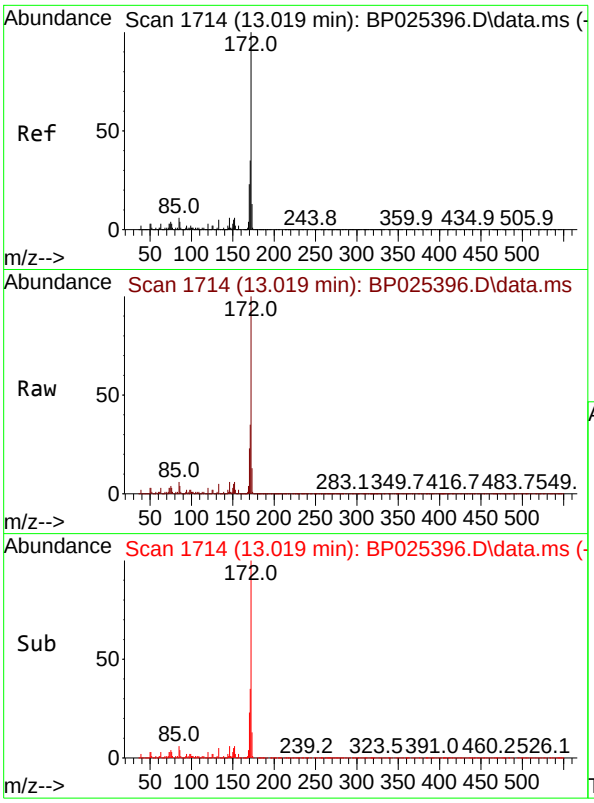


#44
2,4,5-Trichlorophenol
Concen: 39.664 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:196 Resp: 373880

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
97	51.5	41.2	61.8
132	28.3	22.6	34.0



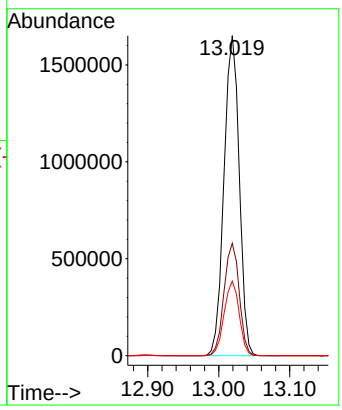


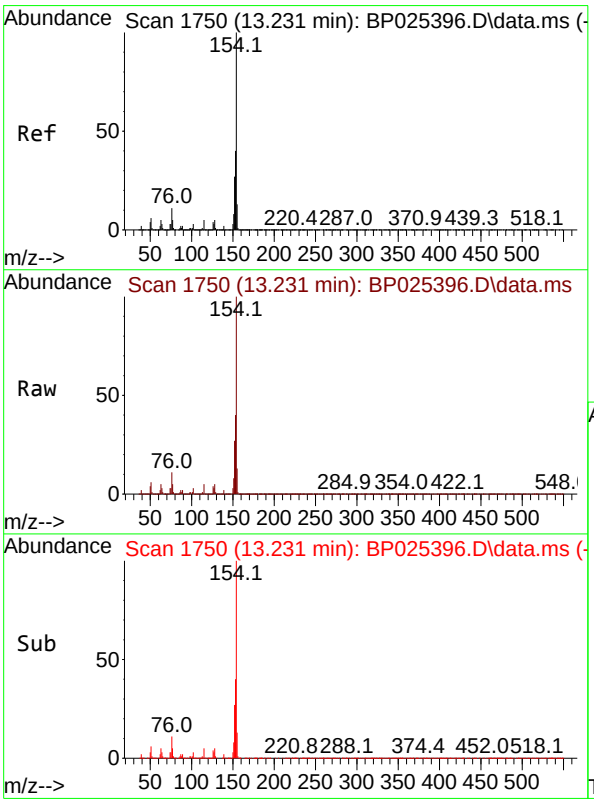
#45
2-Fluorobiphenyl
Concen: 76.118 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2456787

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0

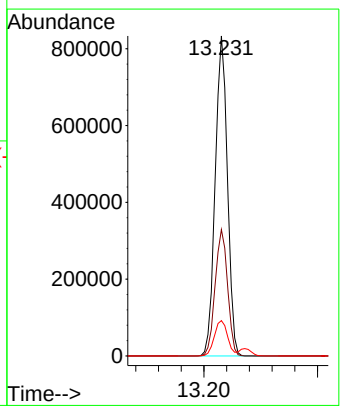


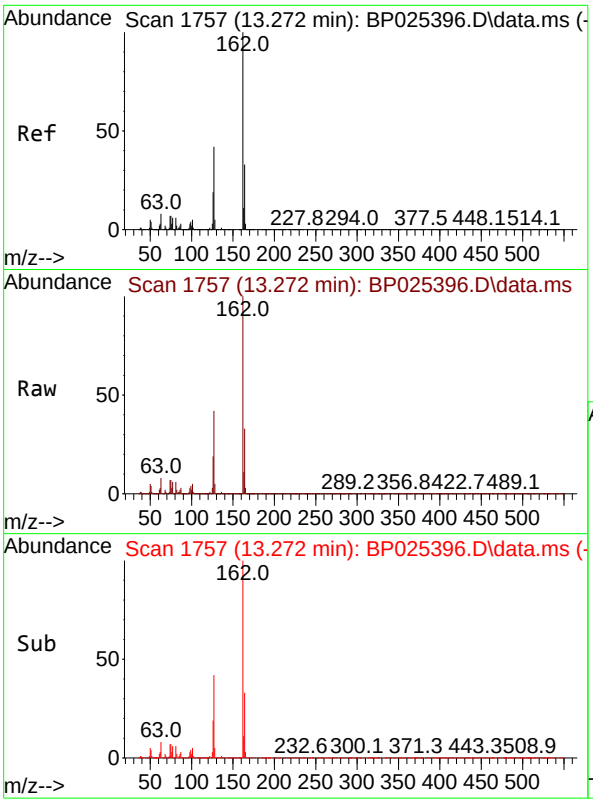


#46
1,1'-Biphenyl
Concen: 38.777 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 1242247

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.1	0.0	31.1



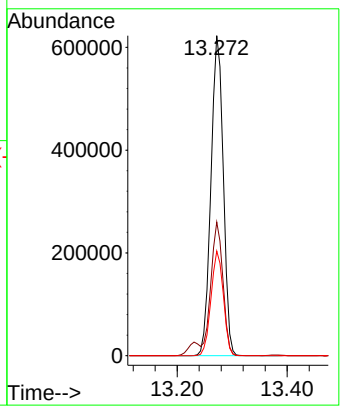


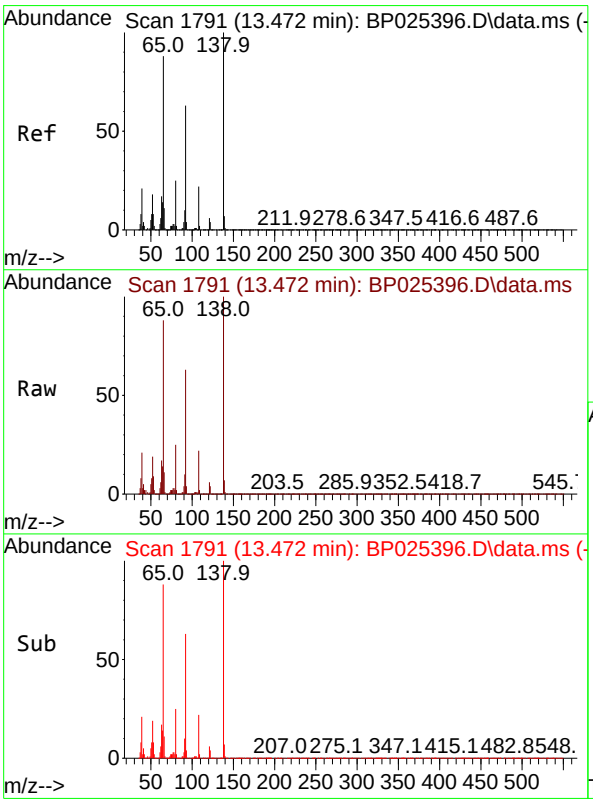
#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 970903

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2

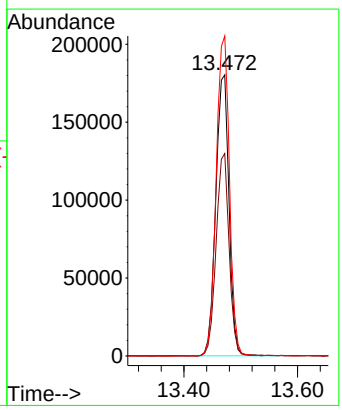


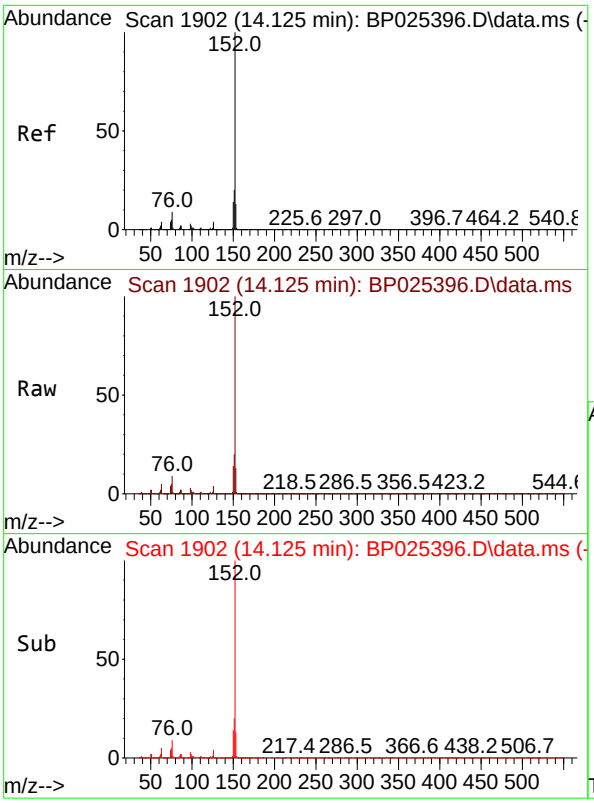


#48
2-Nitroaniline
Concen: 40.092 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion: 65 Resp: 291341

Ion	Ratio	Lower	Upper
65	100		
92	72.0	57.6	86.4
138	113.8	91.0	136.6



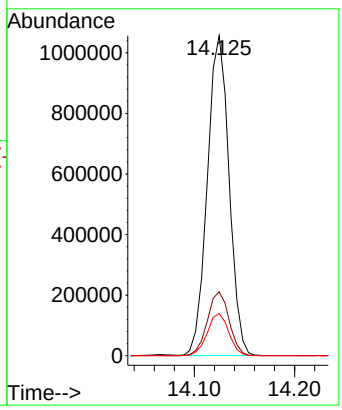


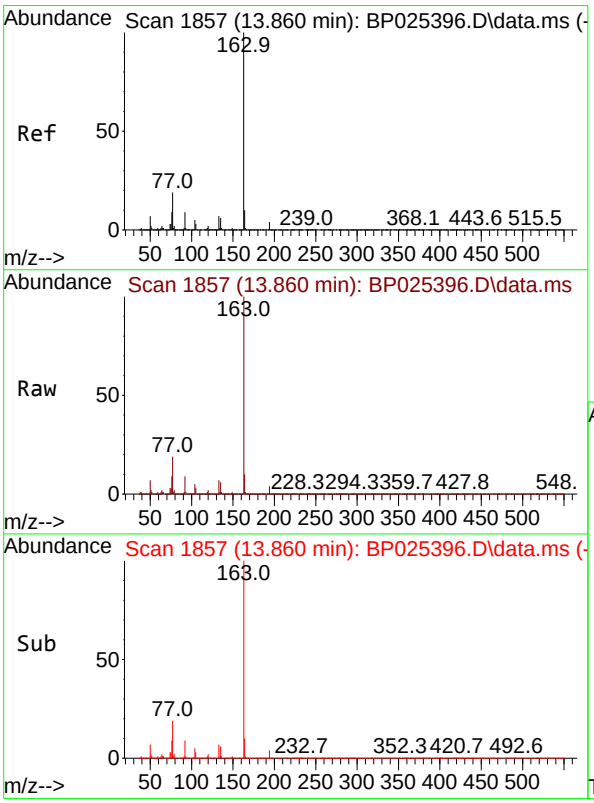
#49
Acenaphthylene
Concen: 38.617 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1593636

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

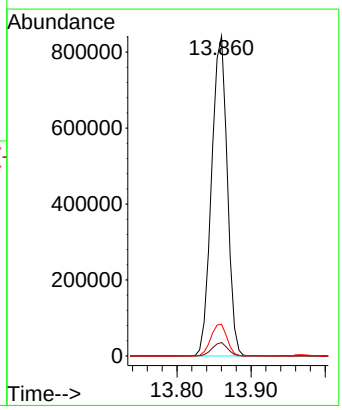


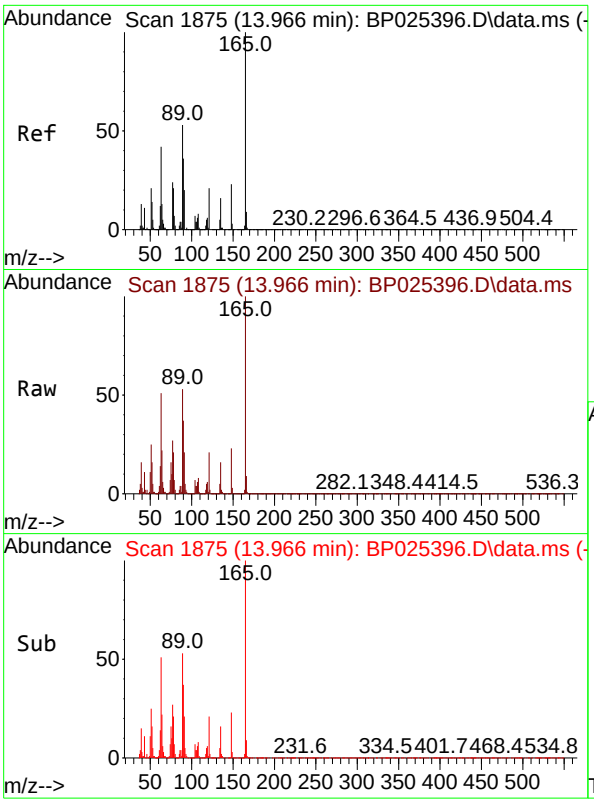


#50
Dimethylphthalate
Concen: 38.316 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:163 Resp: 1237666

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	7.9	11.9



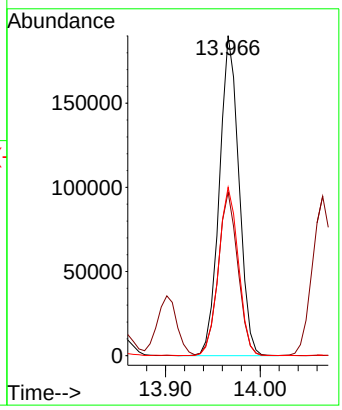


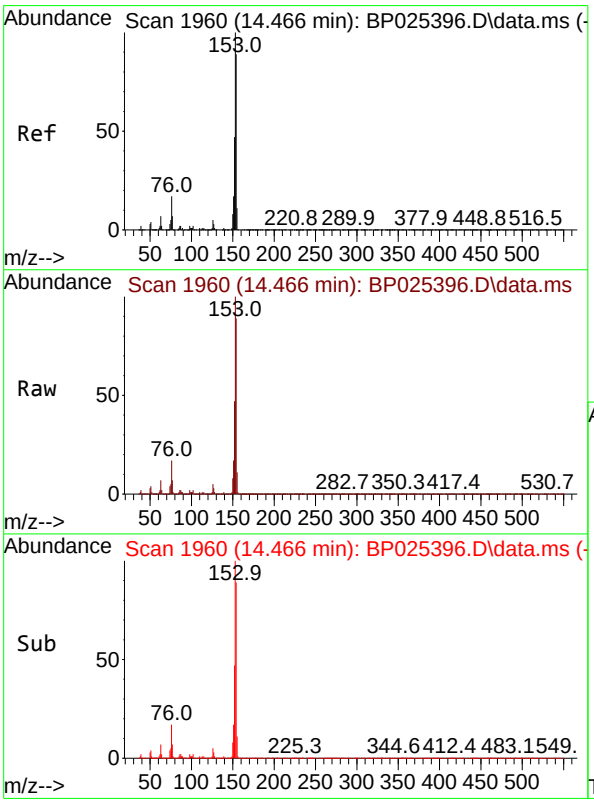
#51
2,6-Dinitrotoluene
Concen: 40.061 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 272750

Ion	Ratio	Lower	Upper
165	100		
63	51.1	40.9	61.3
89	52.6	42.1	63.1

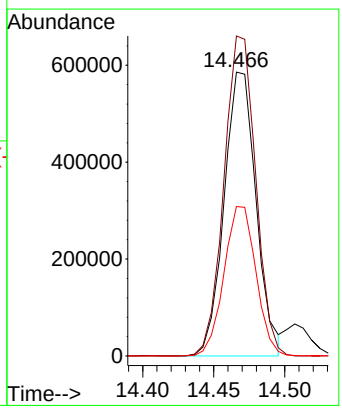


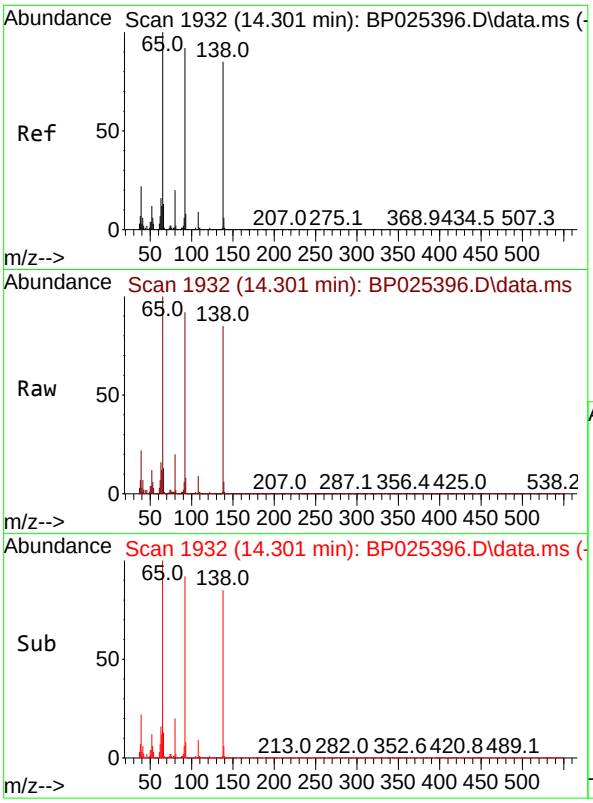


#52
Acenaphthene
Concen: 37.921 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:154 Resp: 918569

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	52.6	42.1	63.1



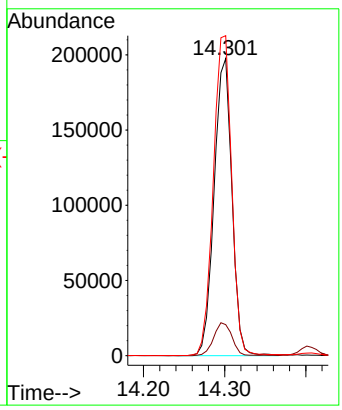


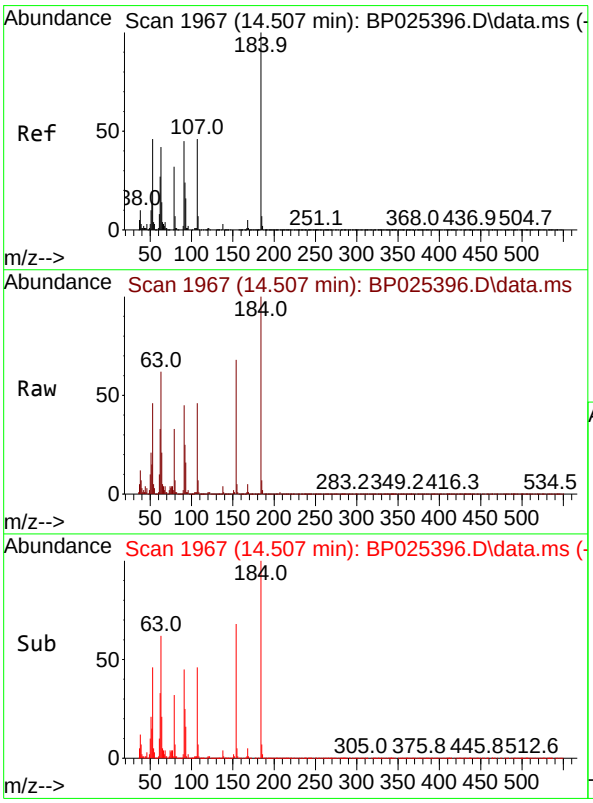
#53
3-Nitroaniline
Concen: 39.349 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 301417

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	107.7	86.2	129.2

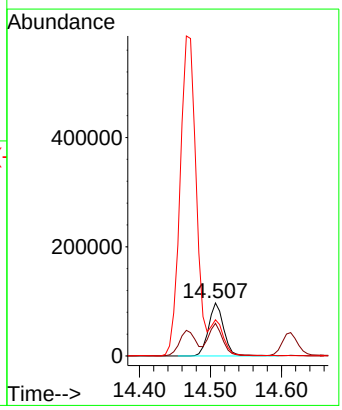


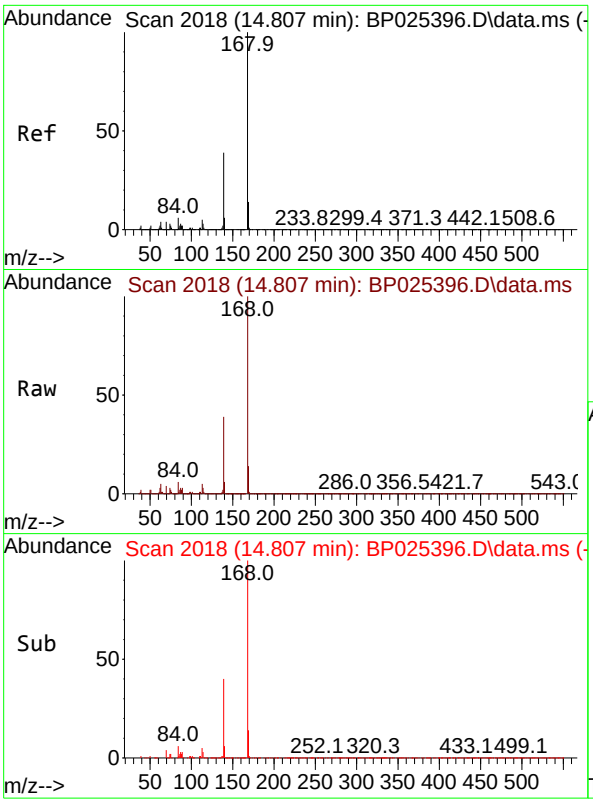


#54
2,4-Dinitrophenol
Concen: 39.633 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:184 Resp: 144100

Ion	Ratio	Lower	Upper
184	100		
63	61.8	49.4	74.2
154	68.3	54.6	82.0



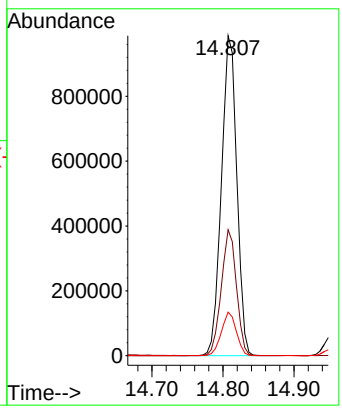


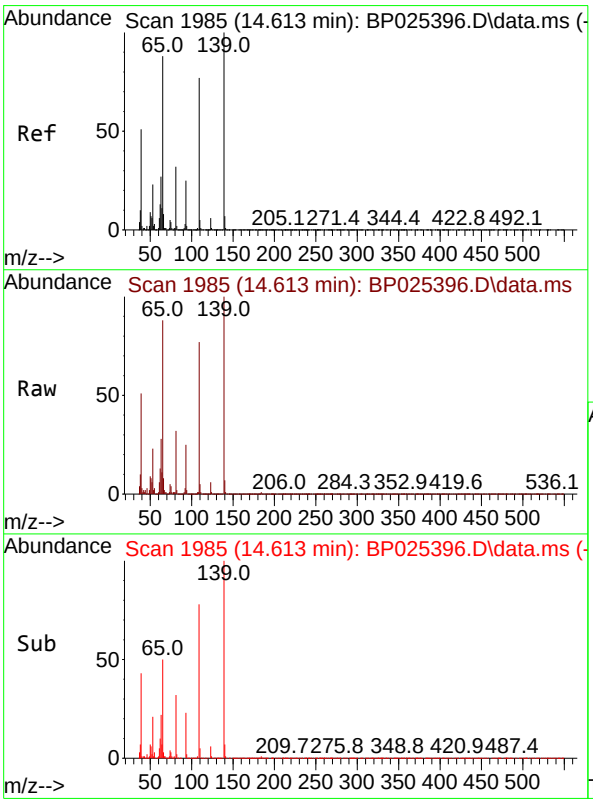
#55
Dibenzofuran
Concen: 38.624 ng
RT: 14.807 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1479220

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.5	47.3
169	13.6	10.9	16.3

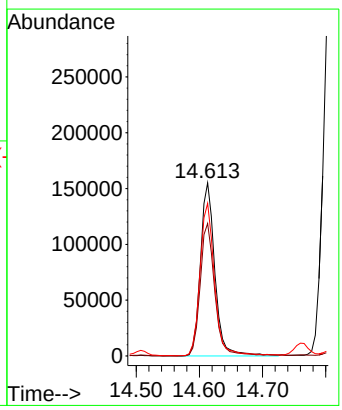


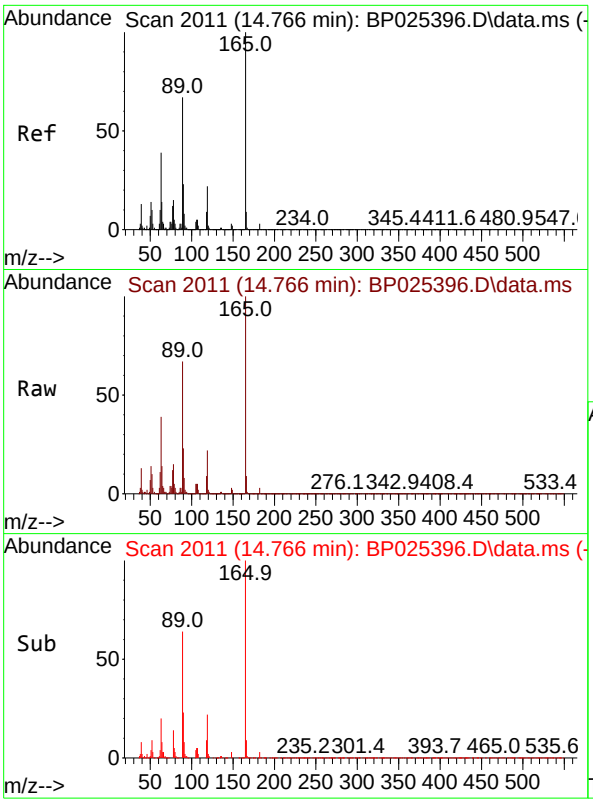


#56
4-Nitrophenol
Concen: 39.168 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:139 Resp: 246542

Ion	Ratio	Lower	Upper
139	100		
109	76.6	56.6	96.6
65	88.2	68.2	108.2



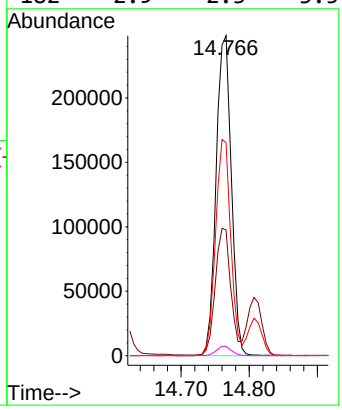


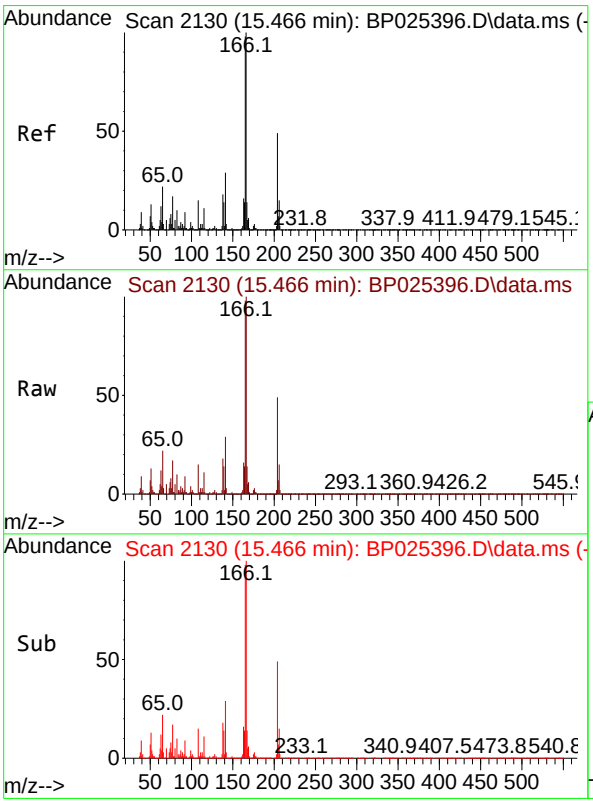
#57
2,4-Dinitrotoluene
Concen: 39.757 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 386189

Ion	Ratio	Lower	Upper
165	100		
63	39.3	31.4	47.2
89	66.6	53.3	79.9
182	2.9	2.3	3.5

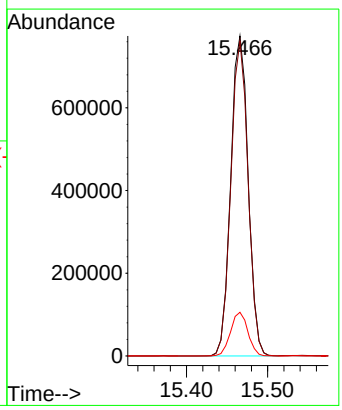


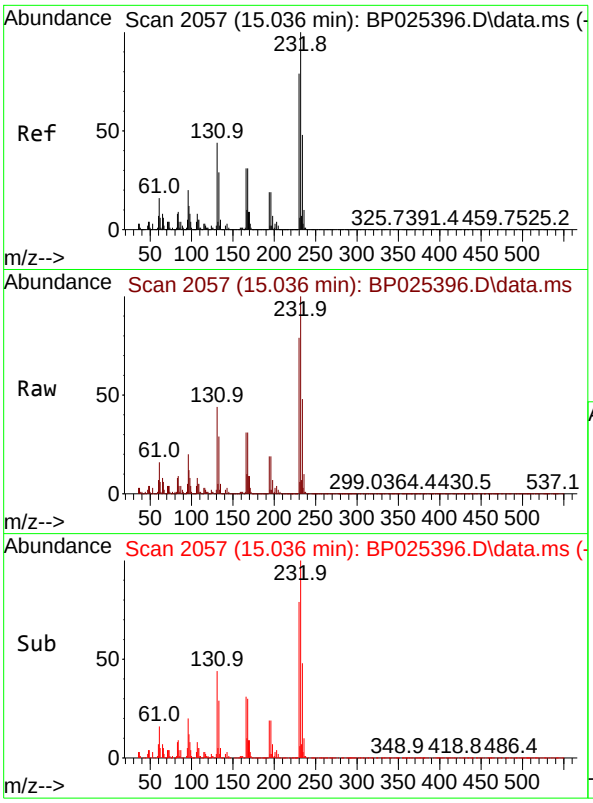


#58
Fluorene
Concen: 38.115 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:166 Resp: 1151825

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.7	11.0	16.4



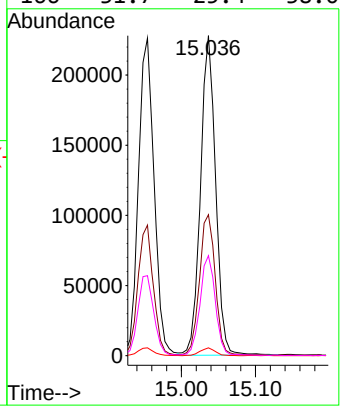


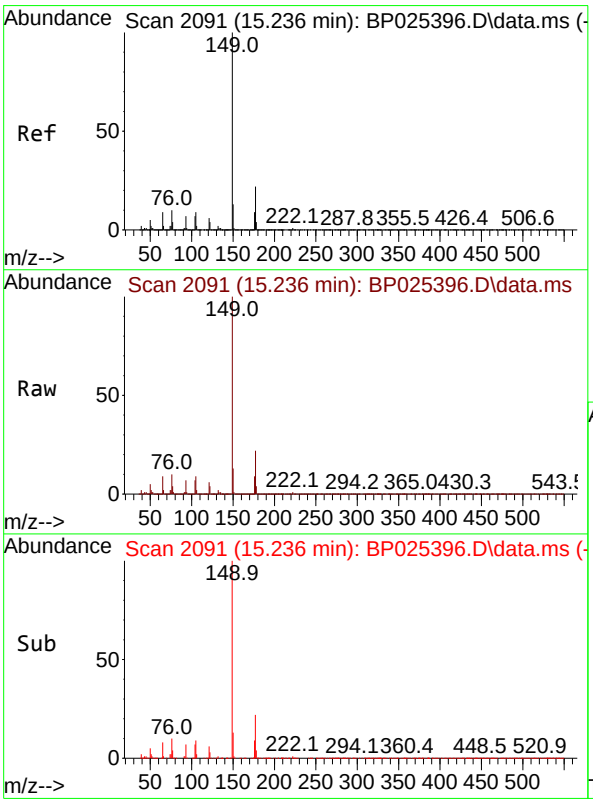
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.975 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 324396

Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.0	55.6
130	2.4	1.9	2.9
166	31.7	25.4	38.0

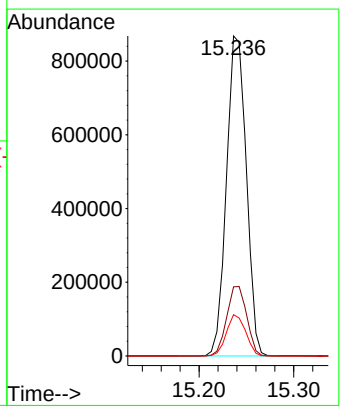


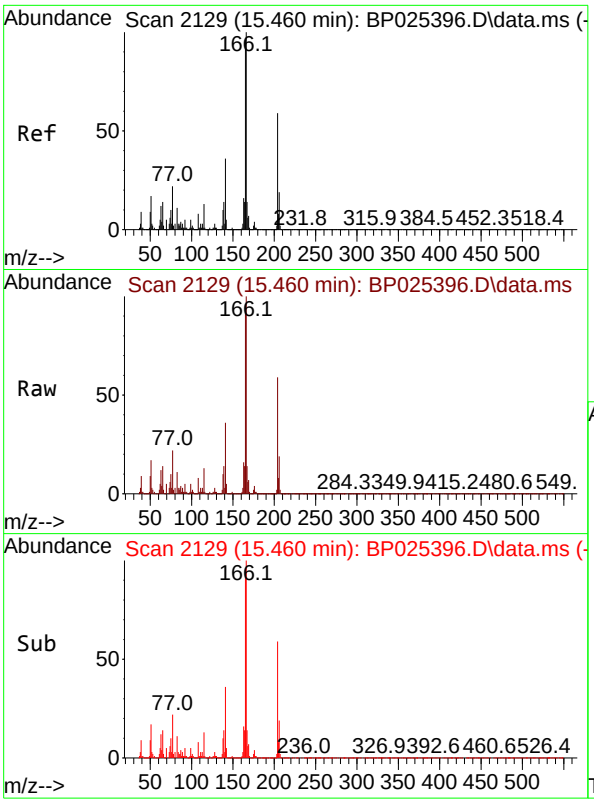


#60
Diethylphthalate
Concen: 38.533 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1264740

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.9	10.3	15.5



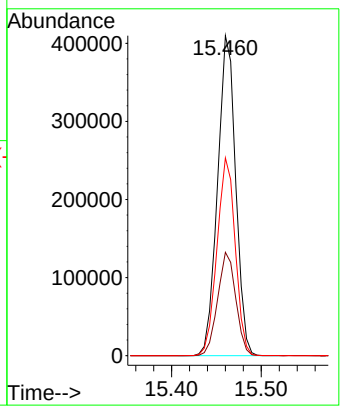


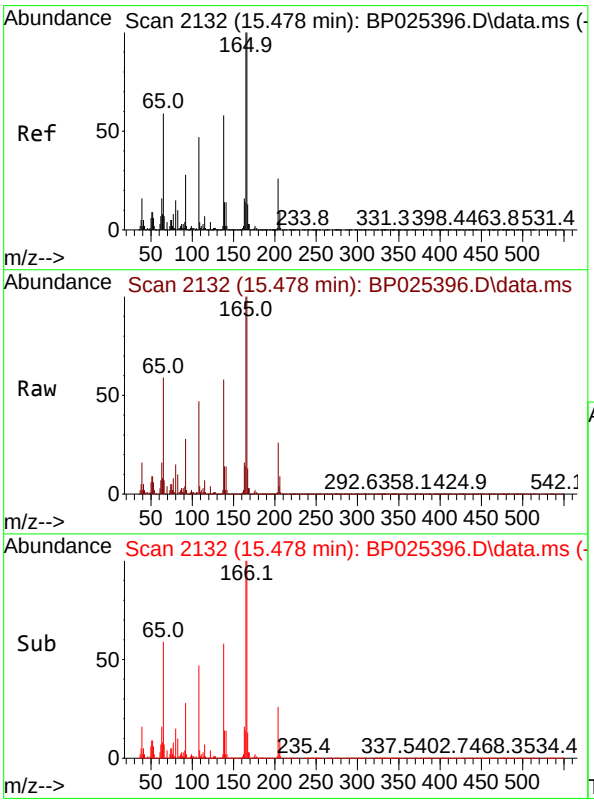
#61
4-Chlorophenyl-phenylether
Concen: 38.228 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 574546

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	61.8	49.4	74.2

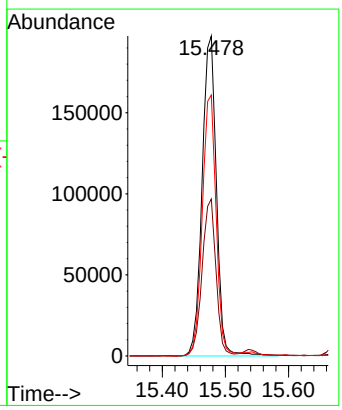


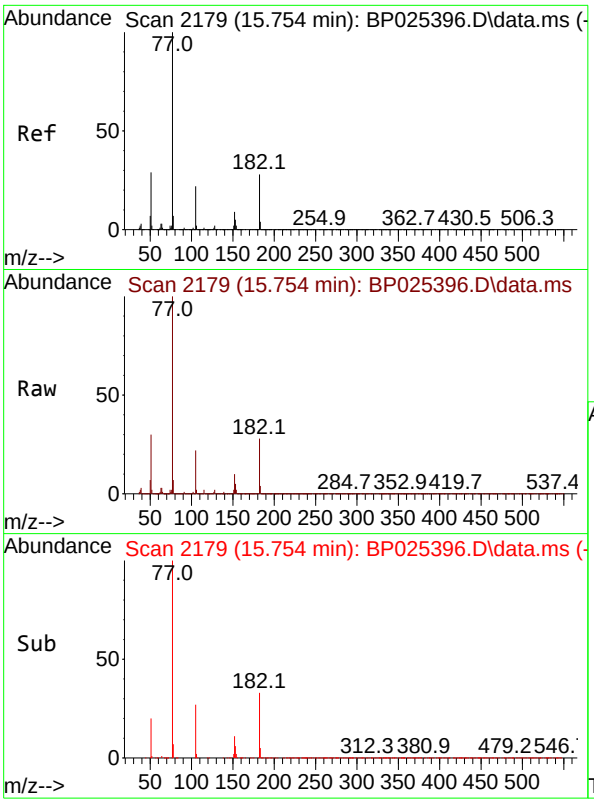


#62
4-Nitroaniline
Concen: 39.443 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:138 Resp: 309740

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	81.5	61.5	101.5



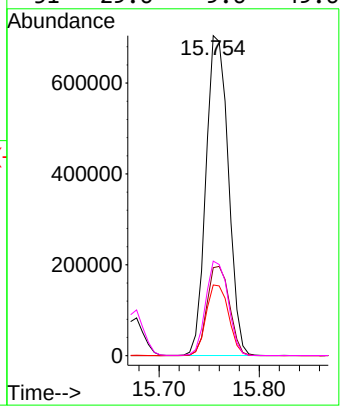


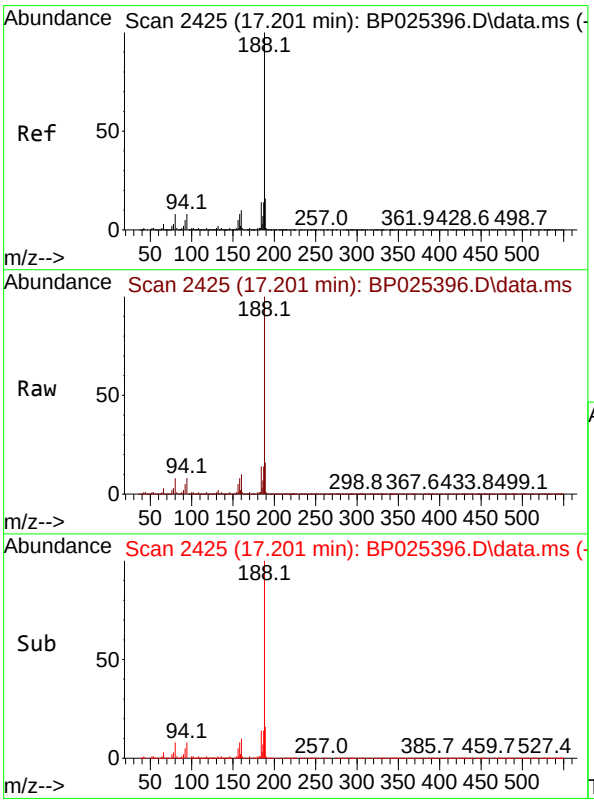
#63
Azobenzene
Concen: 38.820 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1091004

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.5	47.5
105	22.1	2.1	42.1
51	29.6	9.6	49.6

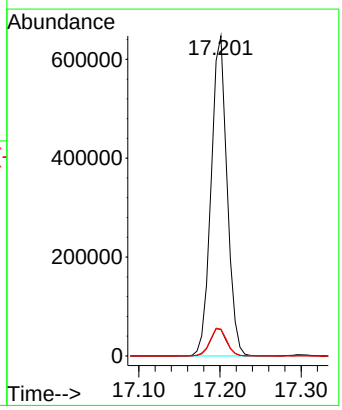


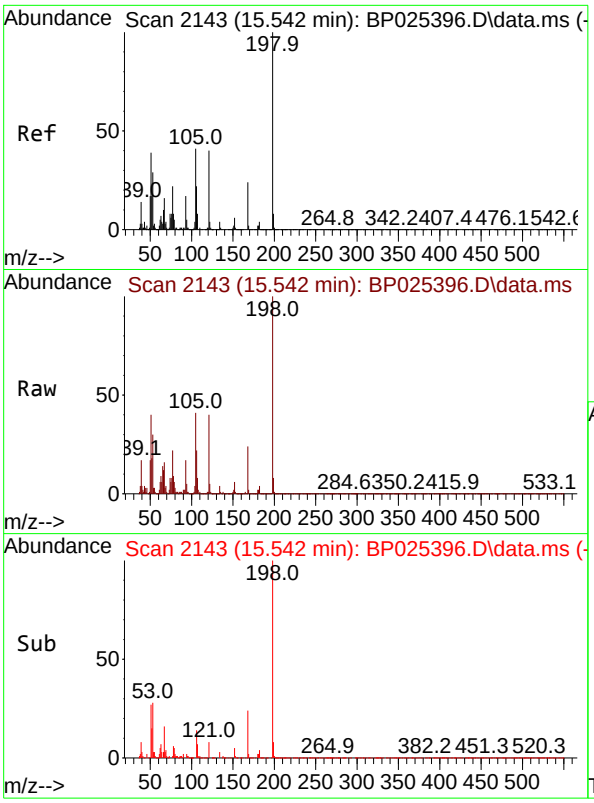


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:188 Resp: 884529

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.4	6.7	10.1



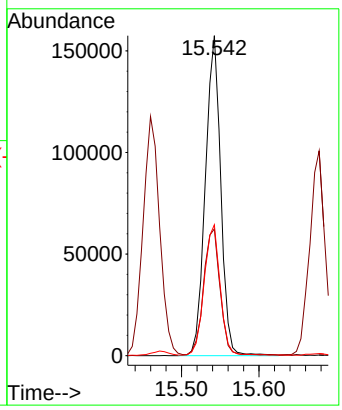


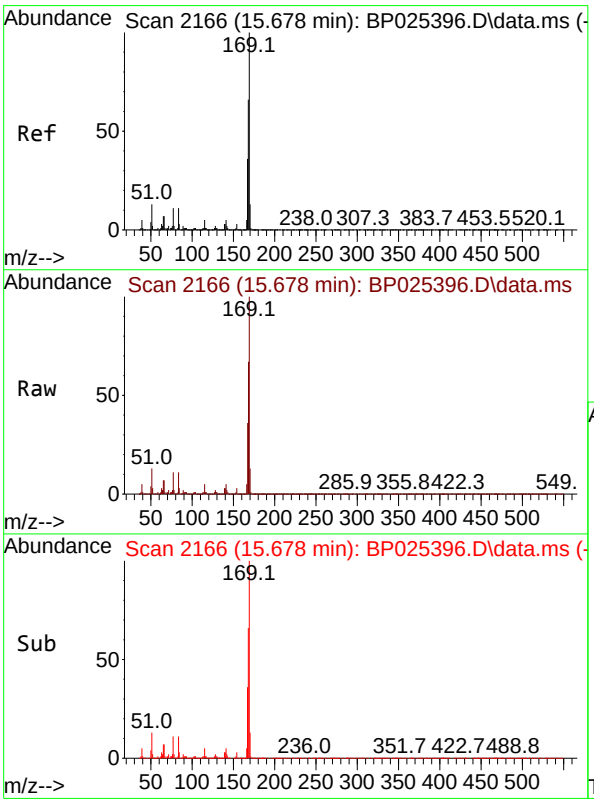
#65
4,6-Dinitro-2-methylphenol
Concen: 39.384 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 217153

Ion	Ratio	Lower	Upper
198	100		
51	39.6	19.6	59.6
105	40.9	20.9	60.9

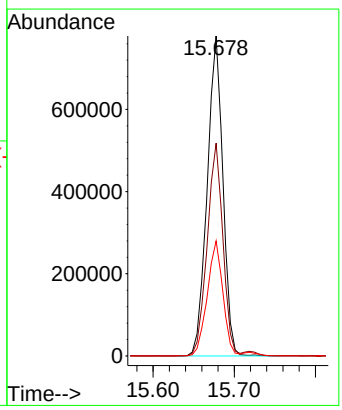


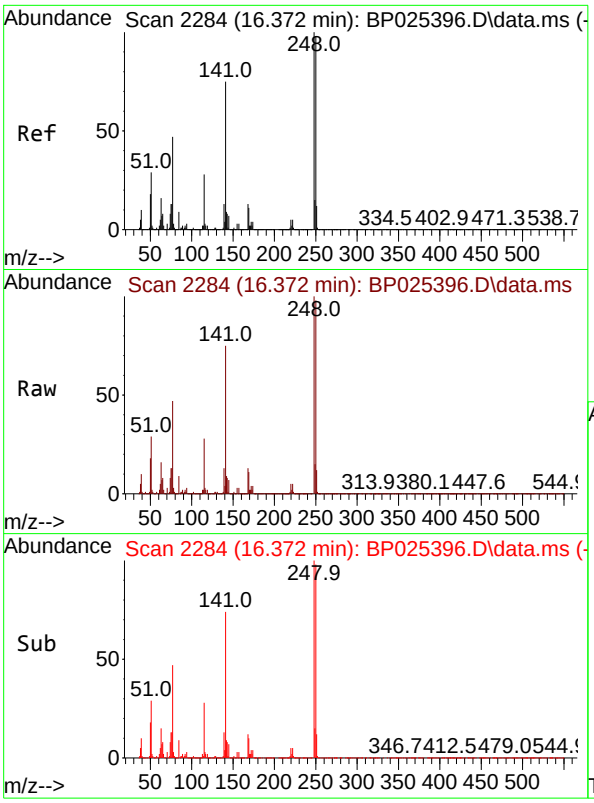


#66
n-Nitrosodiphenylamine
Concen: 38.749 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:169 Resp: 1045170

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	35.9	28.7	43.1



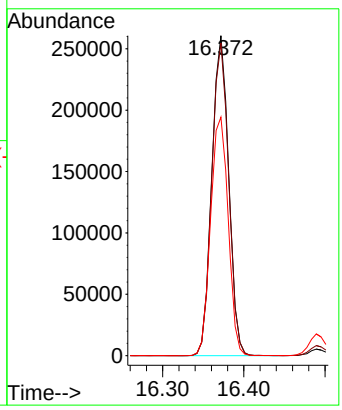


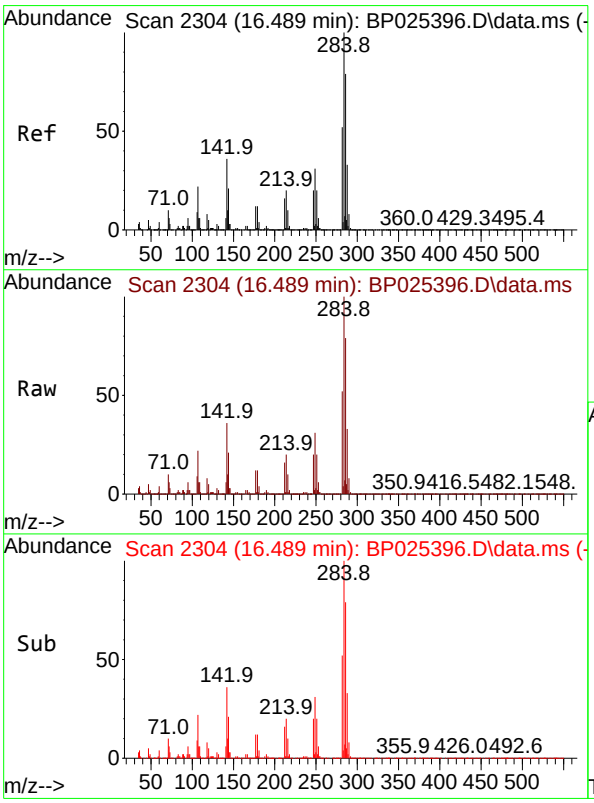
#67
4-Bromophenyl-phenylether
Concen: 38.739 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 376864

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.2	117.2
141	74.5	59.6	89.4

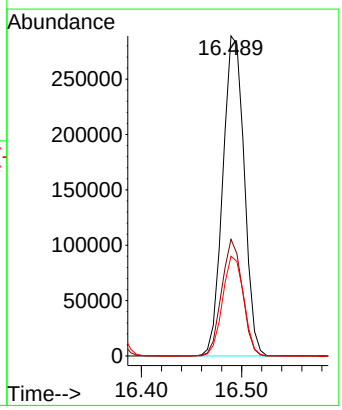


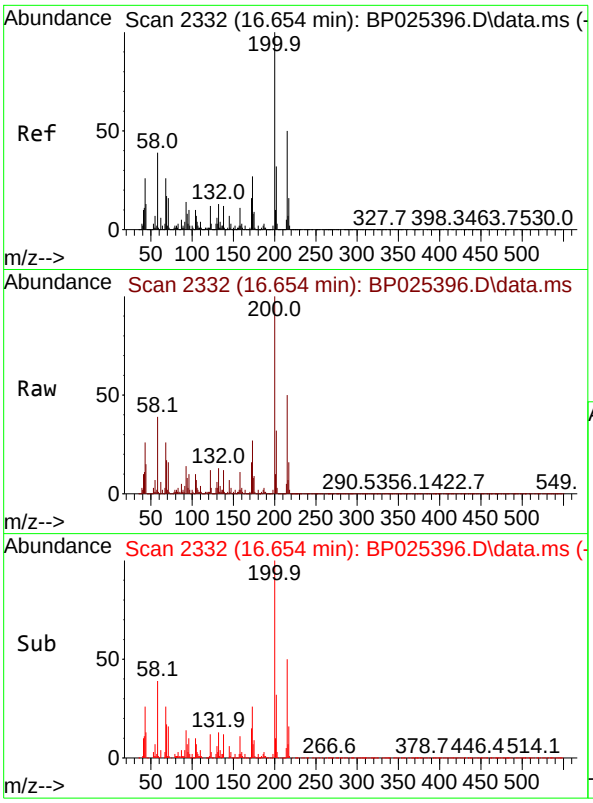


#68
Hexachlorobenzene
Concen: 37.986 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:284 Resp: 428361

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.1	43.7
249	31.2	25.0	37.4



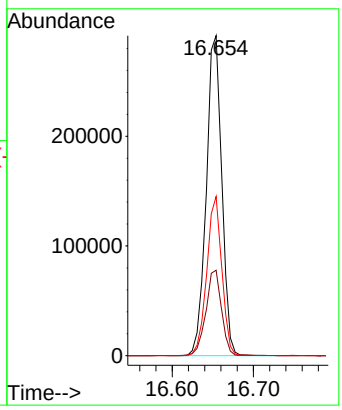


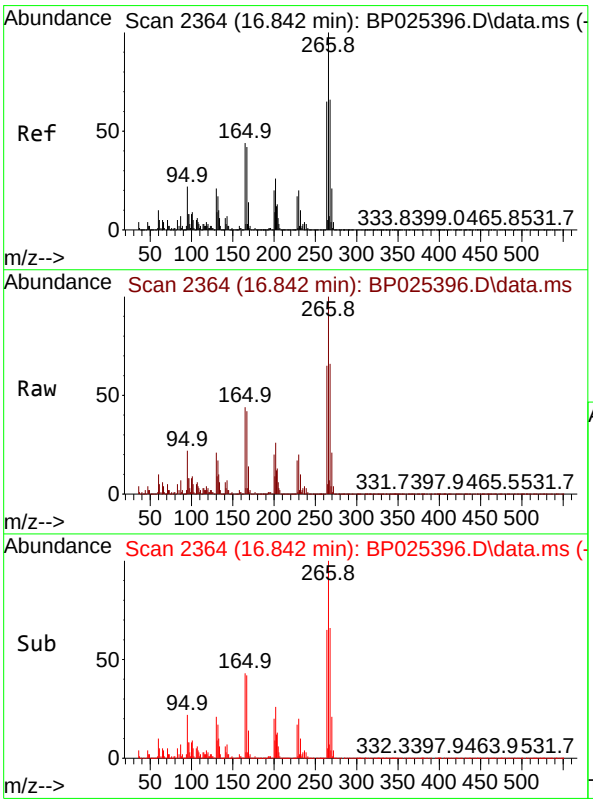
#69
Atrazine
Concen: 38.238 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 386256

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7

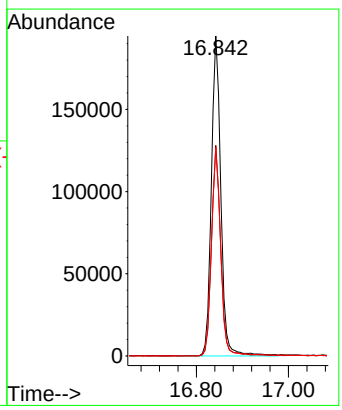


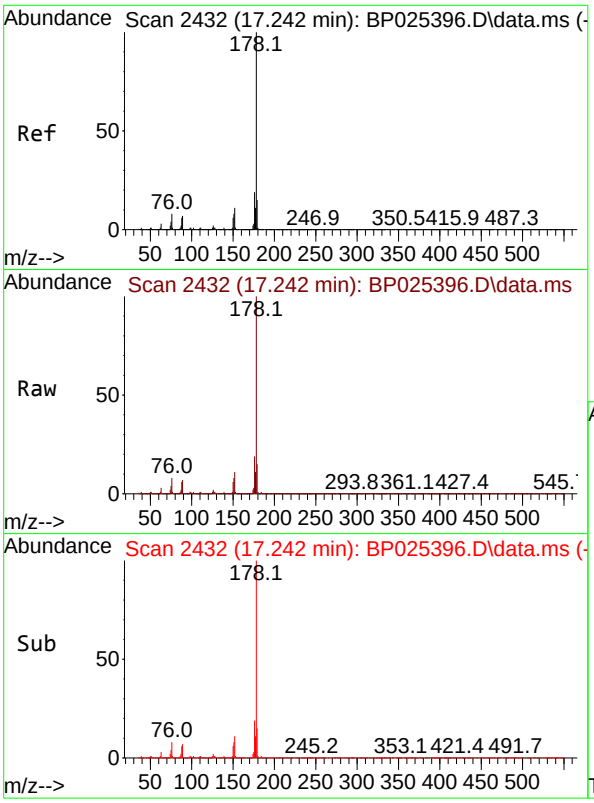


#70
Pentachlorophenol
Concen: 39.110 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:266 Resp: 278412

Ion	Ratio	Lower	Upper
266	100		
268	65.8	52.6	79.0
264	65.0	52.0	78.0



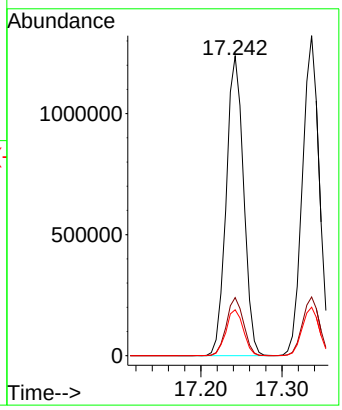


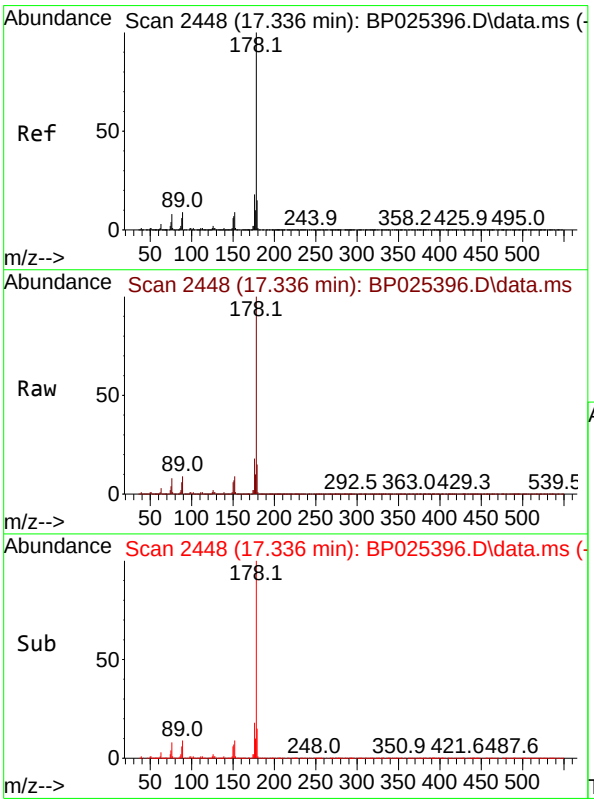
#71
Phenanthrene
Concen: 37.851 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1839191

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

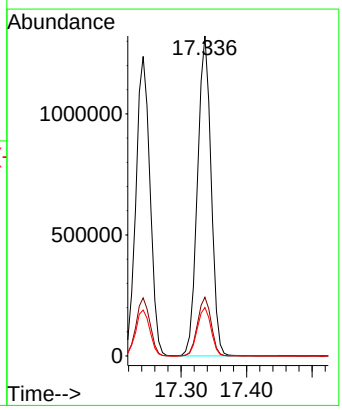


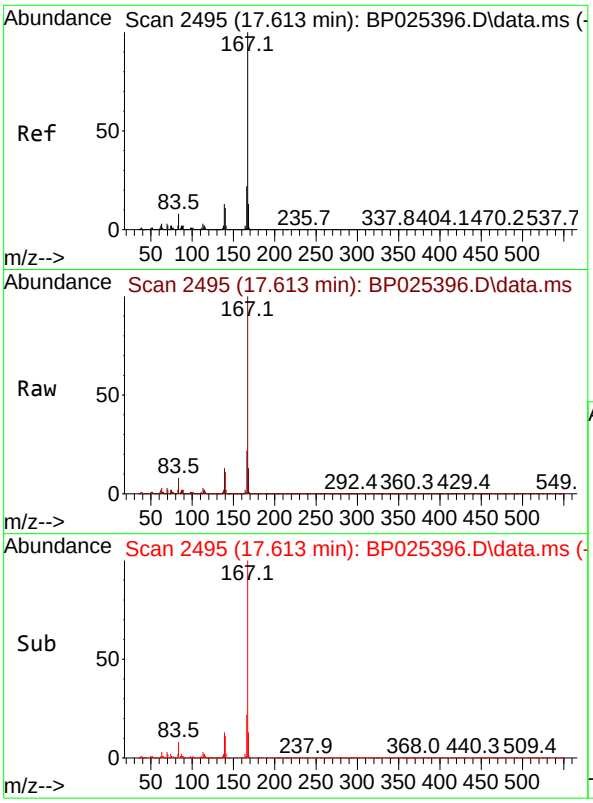


#72
Anthracene
Concen: 38.456 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:178 Resp: 1908189

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2



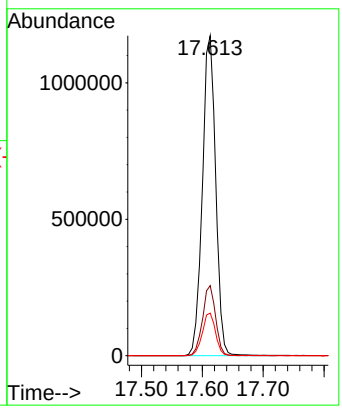


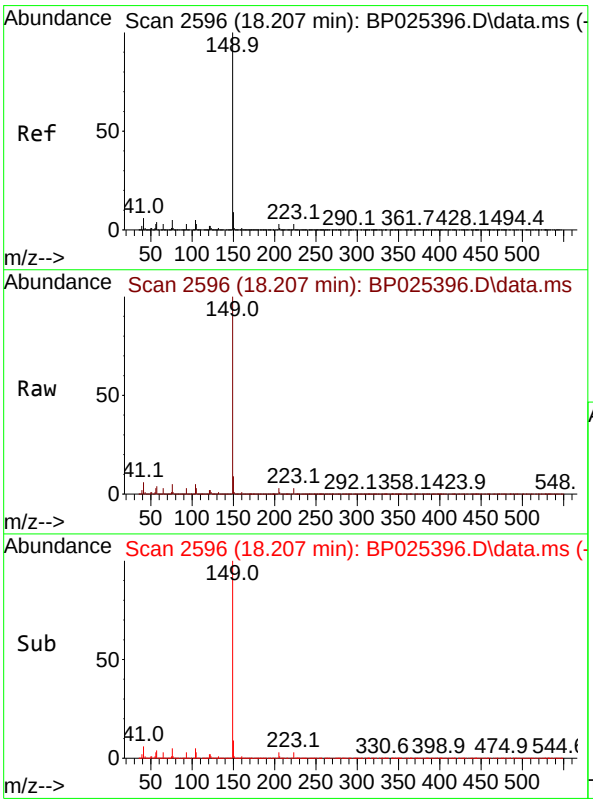
#73
Carbazole
Concen: 38.125 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1781890

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.3	10.6	16.0

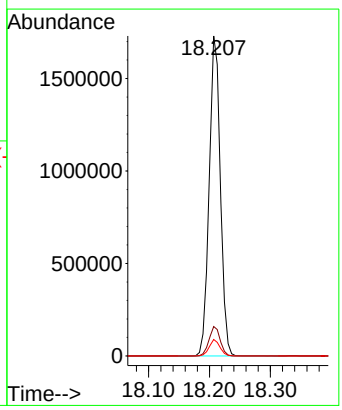


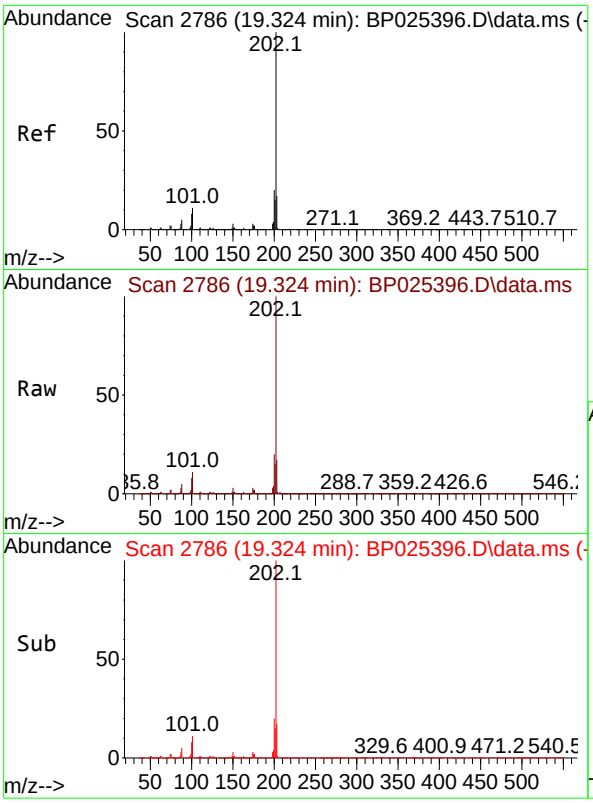


#74
Di-n-butylphthalate
Concen: 38.277 ng
RT: 18.207 min Scan# 2596
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 2201043

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



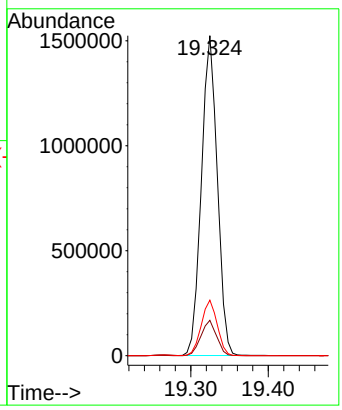


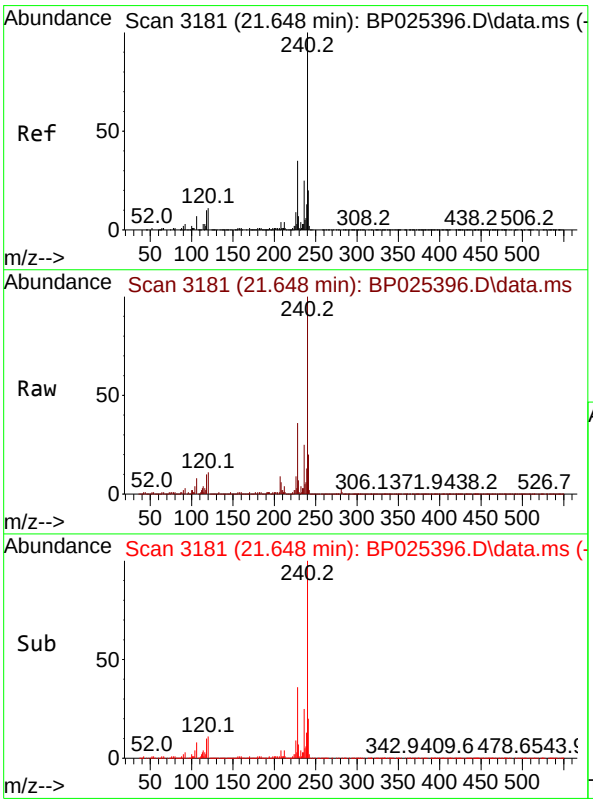
#75
Fluoranthene
Concen: 37.488 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 2172758

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.3	0.0	37.3

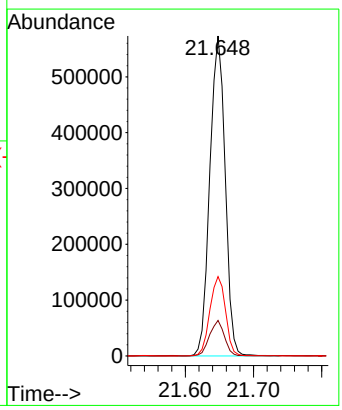


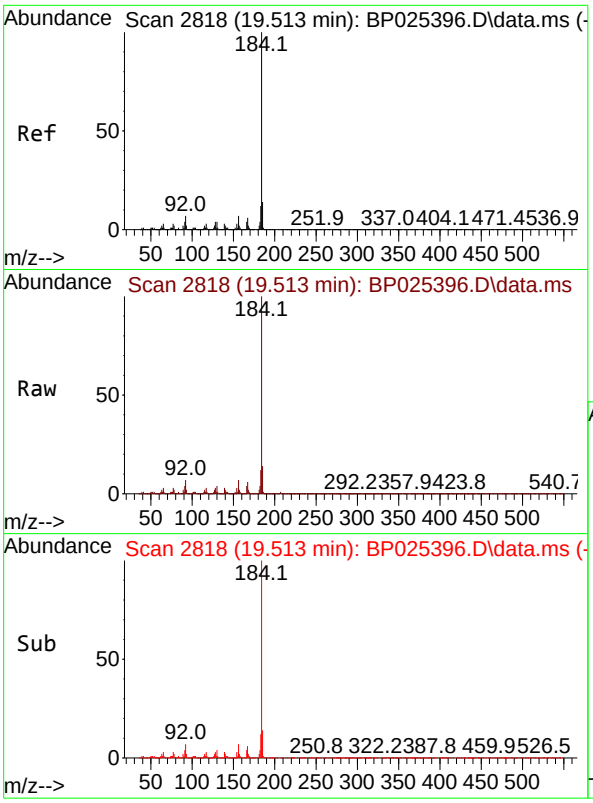


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:240 Resp: 899207

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	24.8	19.8	29.8



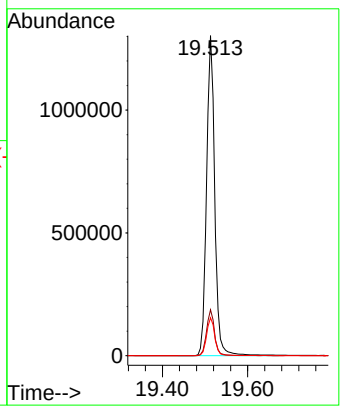


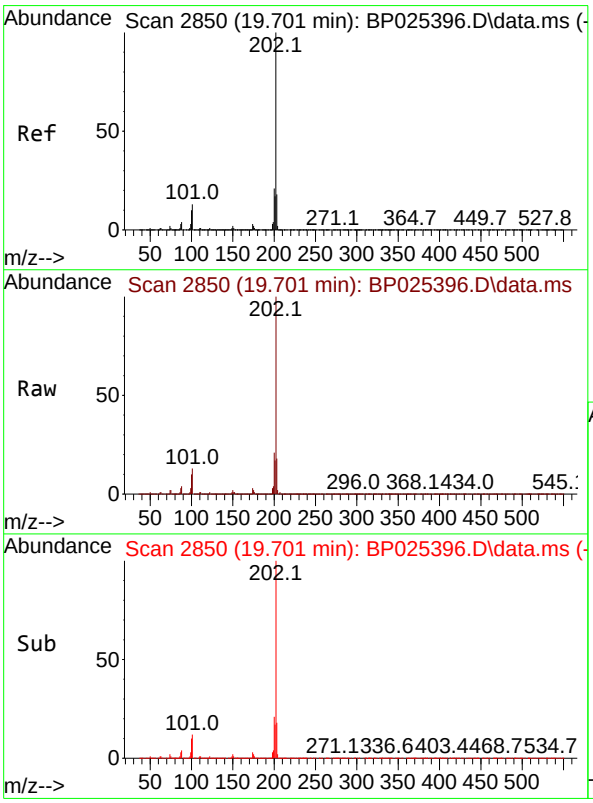
#77
Benzidine
Concen: 56.665 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1738926

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.8	9.4	14.2

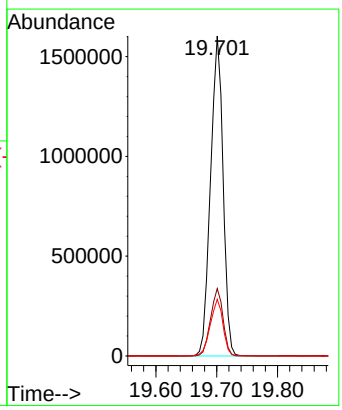


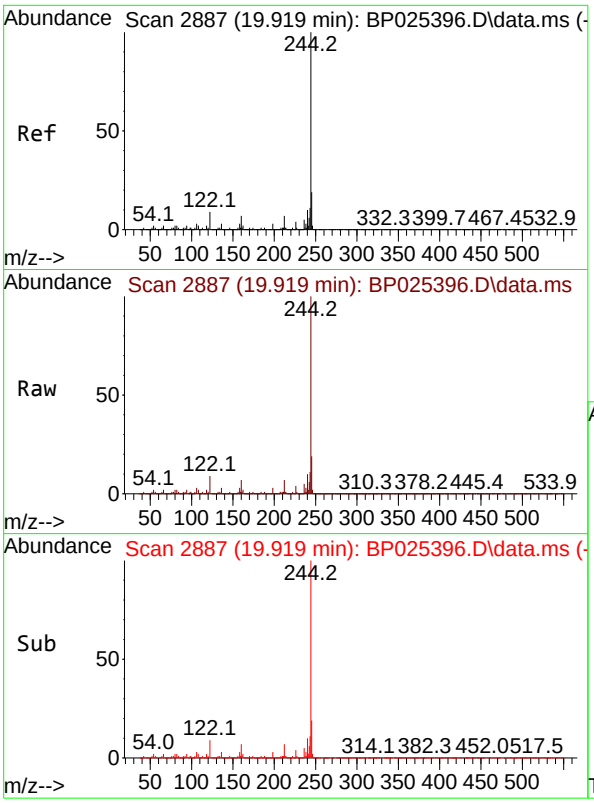


#78
Pyrene
Concen: 39.189 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:202 Resp: 2290461

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.7	14.2	21.2



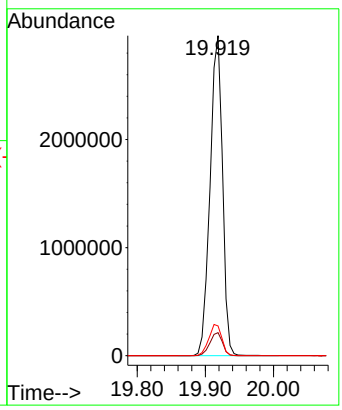


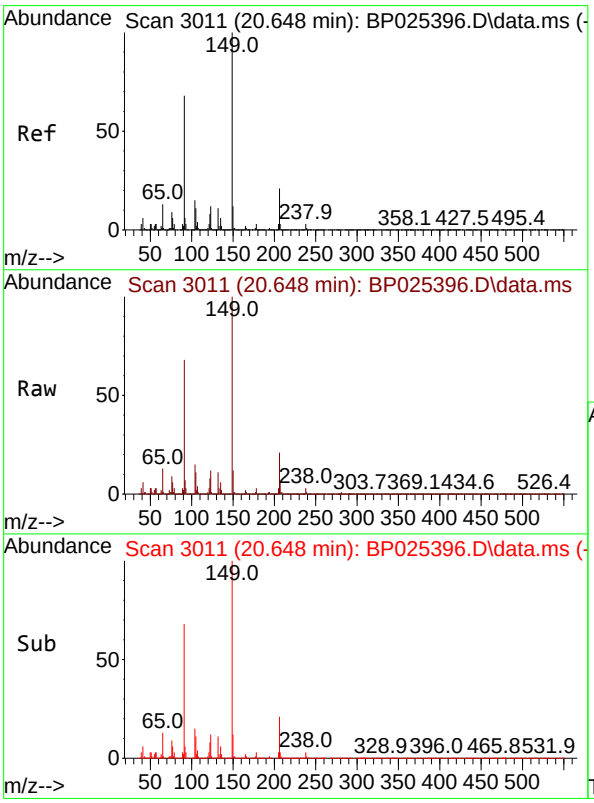
#79
Terphenyl-d14
Concen: 76.508 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 3760236

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.3	7.4	11.2

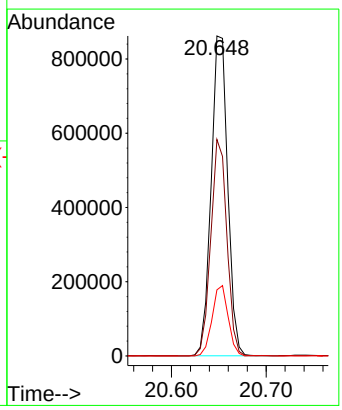


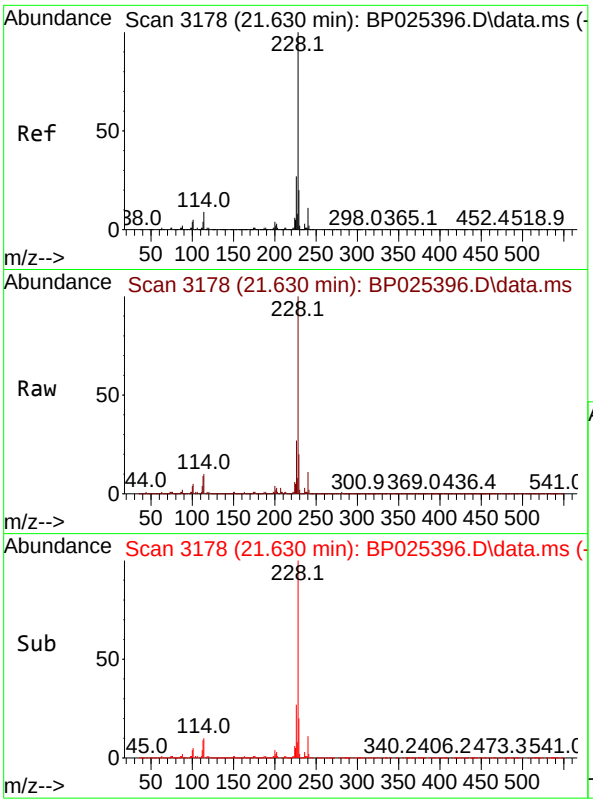


#80
Butylbenzylphthalate
Concen: 39.338 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1041998

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.7	16.6	24.8



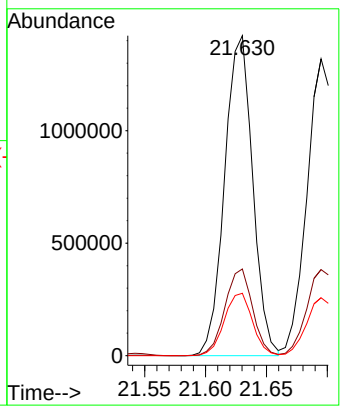


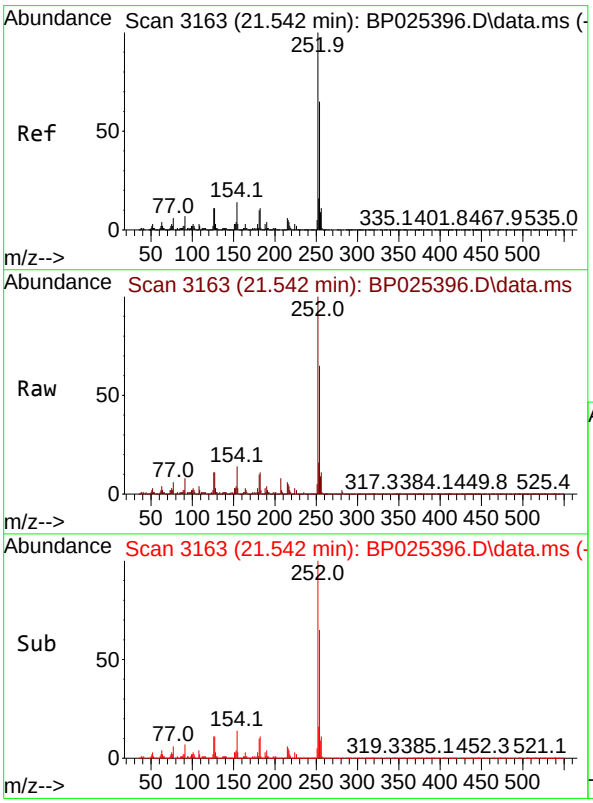
#81
Benzo(a)anthracene
Concen: 38.460 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2280774

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4

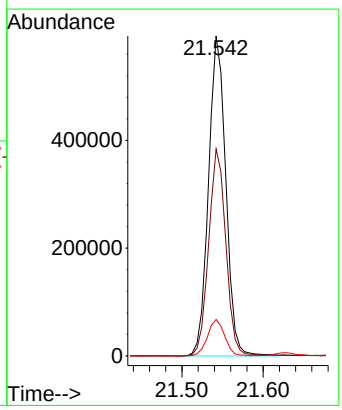


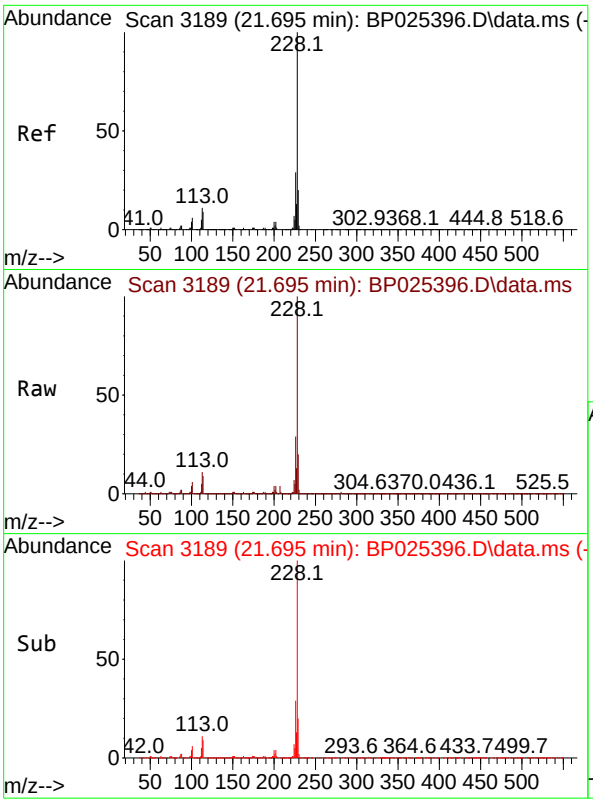


#82
3,3'-Dichlorobenzidine
Concen: 39.266 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 877708

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	11.4	9.1	13.7



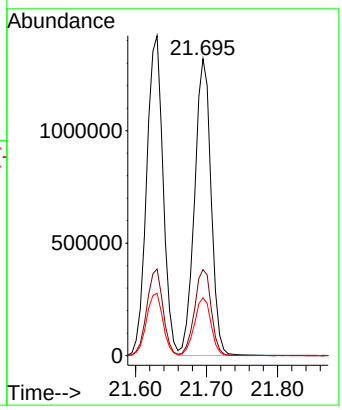


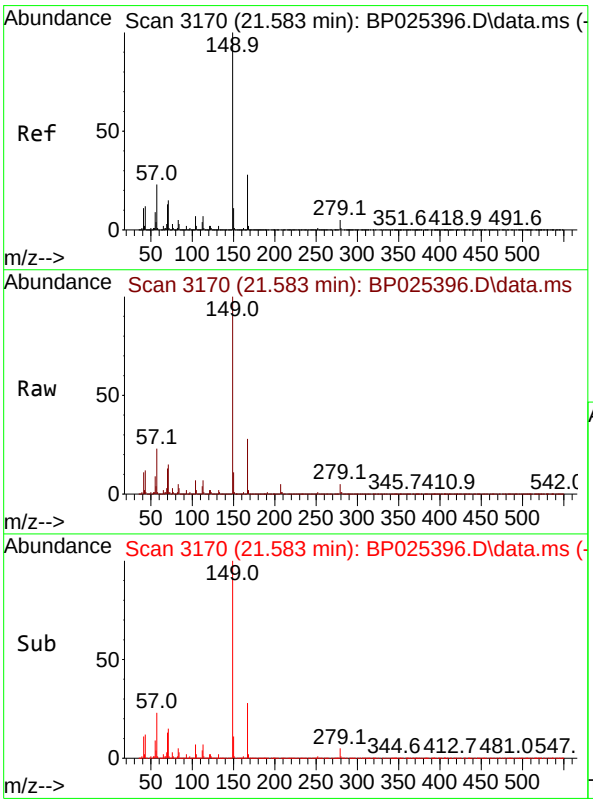
#83
Chrysene
Concen: 38.278 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2125866

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.5	15.6	23.4

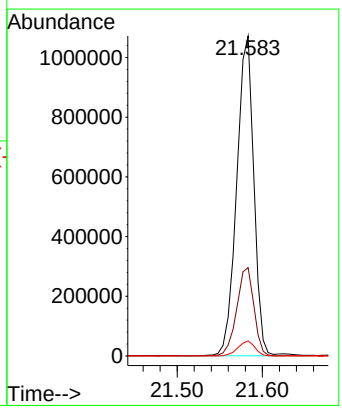


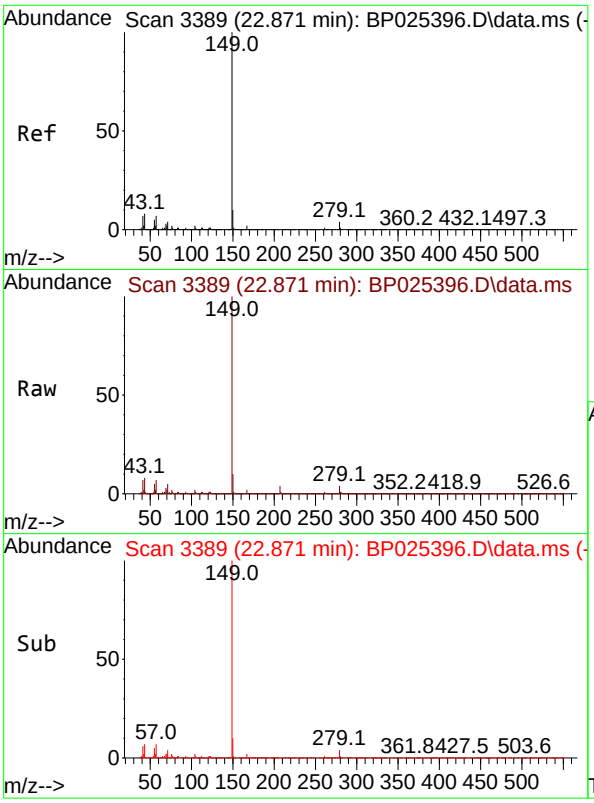


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.310 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:149 Resp: 1493804

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.7	3.8	5.6



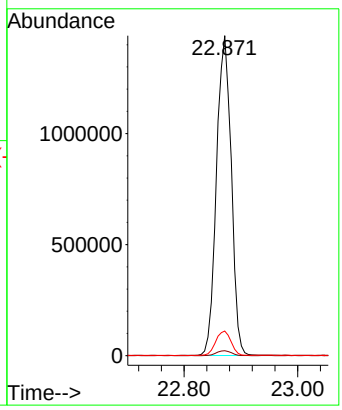


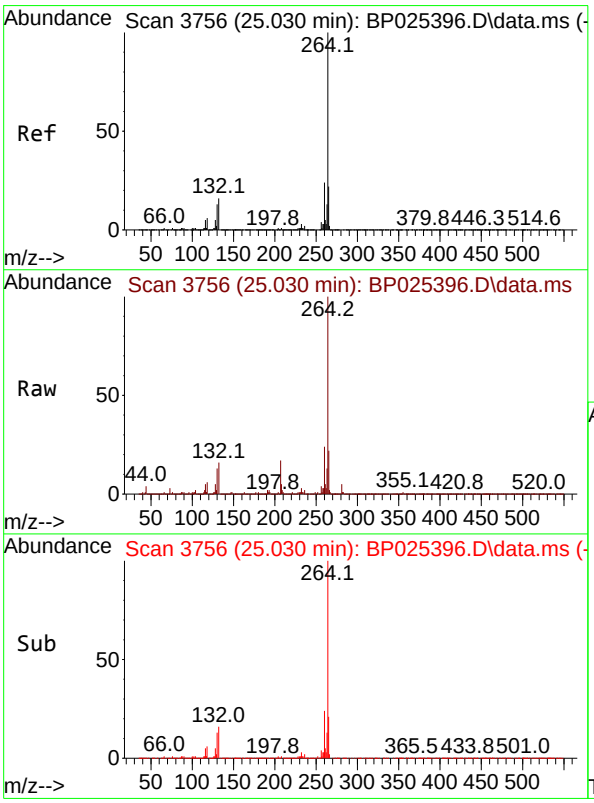
#85
Di-n-octyl phthalate
Concen: 38.730 ng
RT: 22.871 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 2597558

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

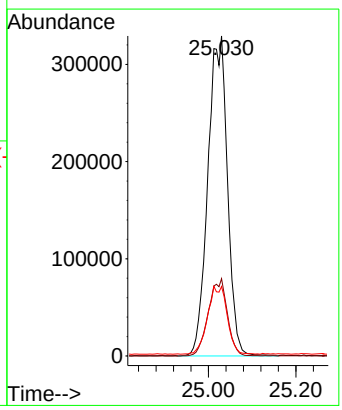


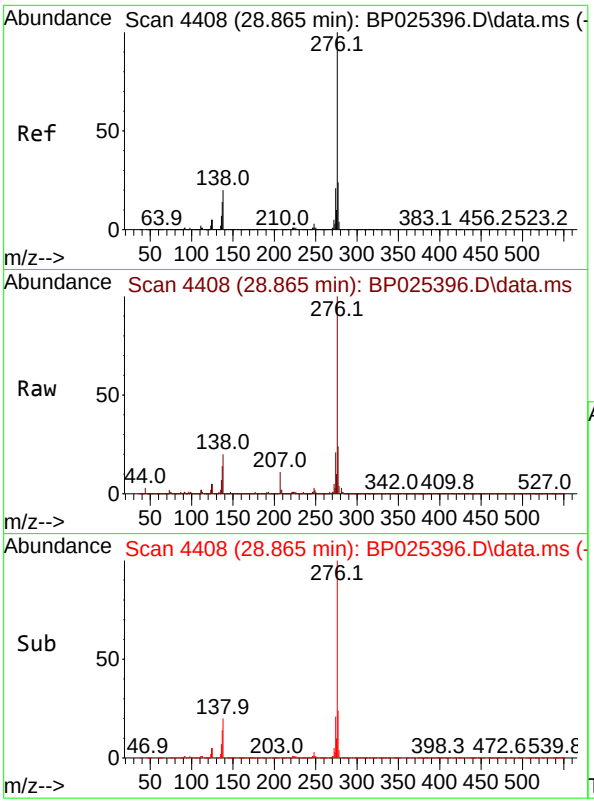


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:264 Resp: 1022138

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.7	17.4	26.0



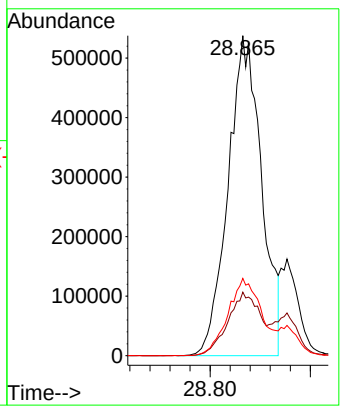


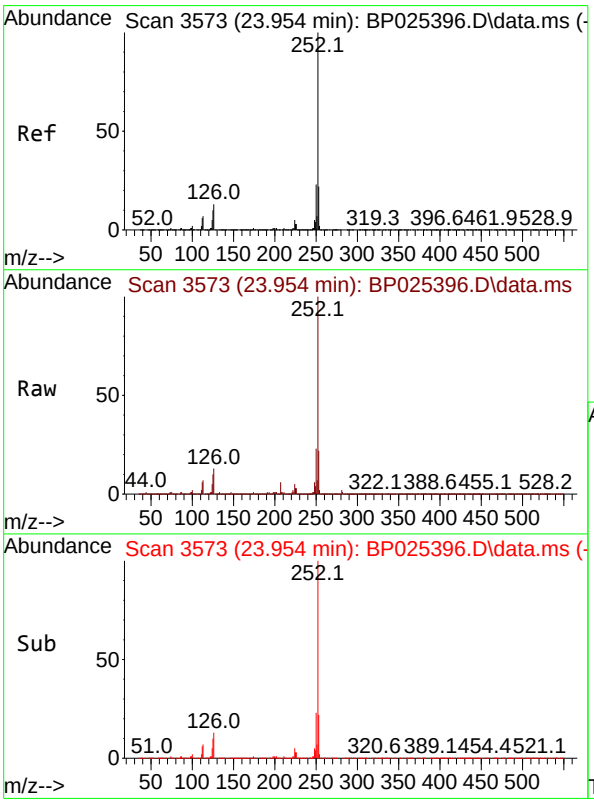
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.216 ng
RT: 28.865 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 2490737

Ion	Ratio	Lower	Upper
276	100		
138	18.7	12.9	19.3
277	24.7	17.0	25.6

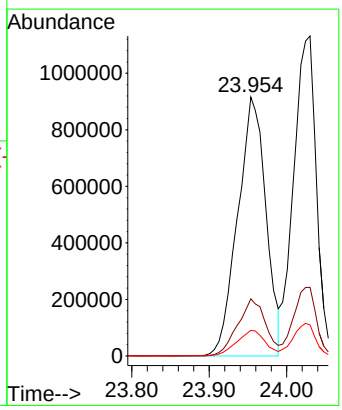


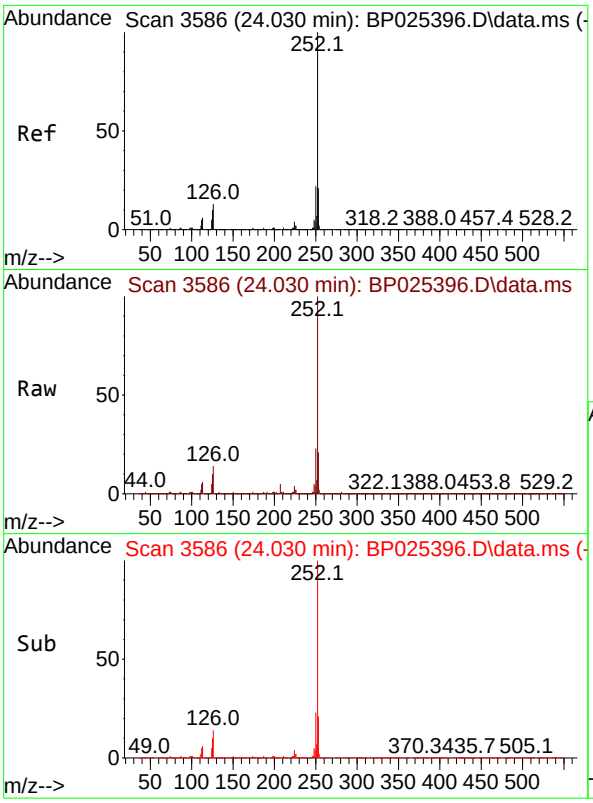


#88
Benzo(b)fluoranthene
Concen: 38.462 ng
RT: 23.954 min Scan# 3573
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2318198

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.9	11.9



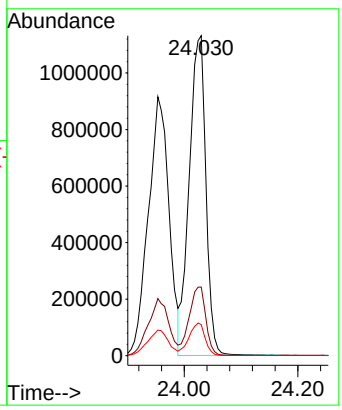


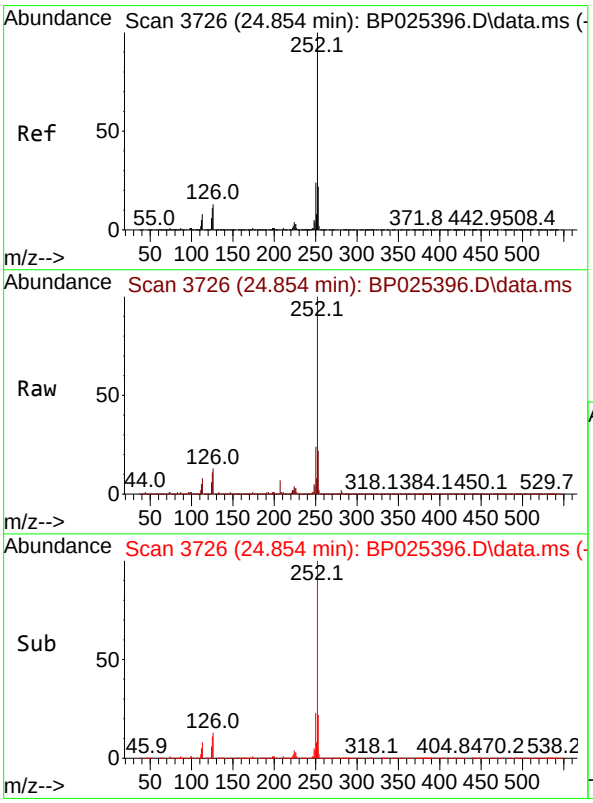
#89
Benzo(k)fluoranthene
Concen: 38.285 ng
RT: 24.030 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2309091

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.7	7.8	11.6

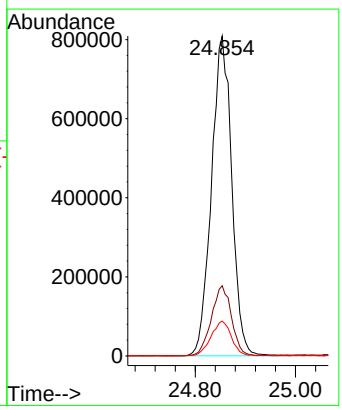


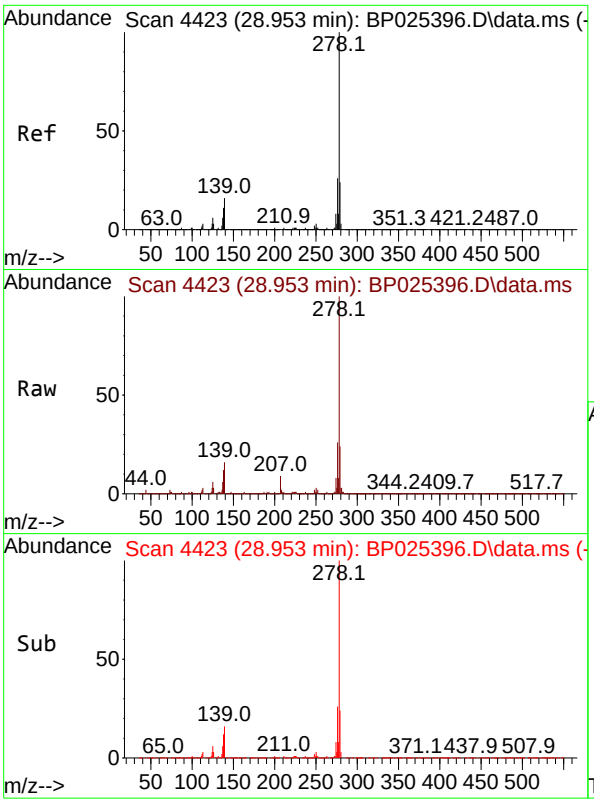


#90
Benzo(a)pyrene
Concen: 38.620 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:252 Resp: 2265862

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.9	8.7	13.1



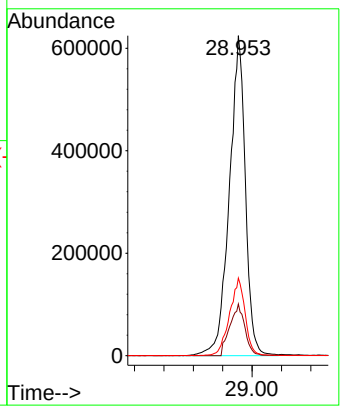


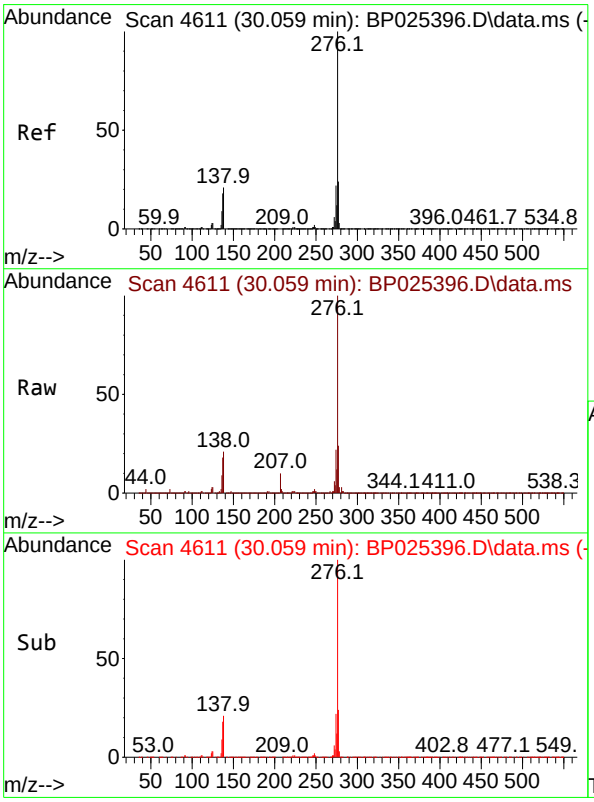
#91
Dibenzo(a,h)anthracene
Concen: 38.589 ng
RT: 28.953 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2363840

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	24.3	19.4	29.2

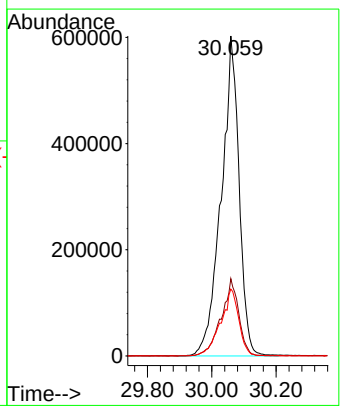




#92
Benzo(g,h,i)perylene
Concen: 38.654 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025396.D
Acq: 14 Aug 2025 15:19

Tgt Ion:276 Resp: 2327292

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	20.9	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	137945	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	573916	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	376731	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	753705	20.000	ng	0.00
76) Chrysene-d12	21.648	240	801742	20.000	ng	0.00
86) Perylene-d12	25.036	264	918939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	855256	102.963	ng	0.00
7) Phenol-d6	6.966	99	1131869	106.283	ng	0.00
23) Nitrobenzene-d5	8.937	82	1201601	105.910	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	539295	106.352	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2856639	103.632	ng	0.00
79) Terphenyl-d14	19.925	244	4409094	100.615	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	165184	50.769	ng	98
3) Pyridine	3.725	79	454022	50.983	ng	97
4) n-Nitrosodimethylamine	3.631	42	192837	52.524	ng	99
6) Aniline	7.125	93	756782	52.743	ng	100
8) 2-Chlorophenol	7.366	128	492570	52.550	ng	99
9) Benzaldehyde	6.943	77	435174	58.325	ng	97
10) Phenol	6.996	94	588764	52.687	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	455697	52.320	ng	99
12) 1,3-Dichlorobenzene	7.684	146	536261	51.884	ng	99
13) 1,4-Dichlorobenzene	7.825	146	550541	52.113	ng	99
14) 1,2-Dichlorobenzene	8.143	146	528750	51.705	ng	99
15) Benzyl Alcohol	8.025	79	443889	52.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	603716	51.742	ng	99
17) 2-Methylphenol	8.225	107	412974	53.211	ng	98
18) Hexachloroethane	8.866	117	202672	52.178	ng	96
19) n-Nitroso-di-n-propyla...	8.590	70	363151	51.419	ng	98
20) 3+4-Methylphenols	8.549	107	565208	52.538	ng	99
22) Acetophenone	8.602	105	750308	52.131	ng	100
24) Nitrobenzene	8.978	77	537647	53.024	ng	98
25) Isophorone	9.502	82	1047736	52.182	ng	99
26) 2-Nitrophenol	9.678	139	282682	54.323	ng	98
27) 2,4-Dimethylphenol	9.737	122	481502	53.806	ng	97
28) bis(2-Chloroethoxy)met...	9.972	93	630027	51.909	ng	99
29) 2,4-Dichlorophenol	10.213	162	475406	53.478	ng	99
30) 1,2,4-Trichlorobenzene	10.431	180	507724	52.101	ng	99
31) Naphthalene	10.607	128	1560240	52.305	ng	100
32) Benzoic acid	9.884	122	357706	54.274	ng	96
33) 4-Chloroaniline	10.713	127	705562	53.548	ng	99
34) Hexachlorobutadiene	10.902	225	312163	51.436	ng	98
35) Caprolactam	11.502	113	172663	52.969	ng	94
36) 4-Chloro-3-methylphenol	11.843	107	534583	52.407	ng	100
37) 2-Methylnaphthalene	12.219	142	1003813	51.710	ng	99
38) 1-Methylnaphthalene	12.443	142	1076949	52.167	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	574152	52.769	ng	99
41) Hexachlorocyclopentadiene	12.572	237	364047	55.392	ng	98
43) 2,4,6-Trichlorophenol	12.831	196	396440	53.971	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

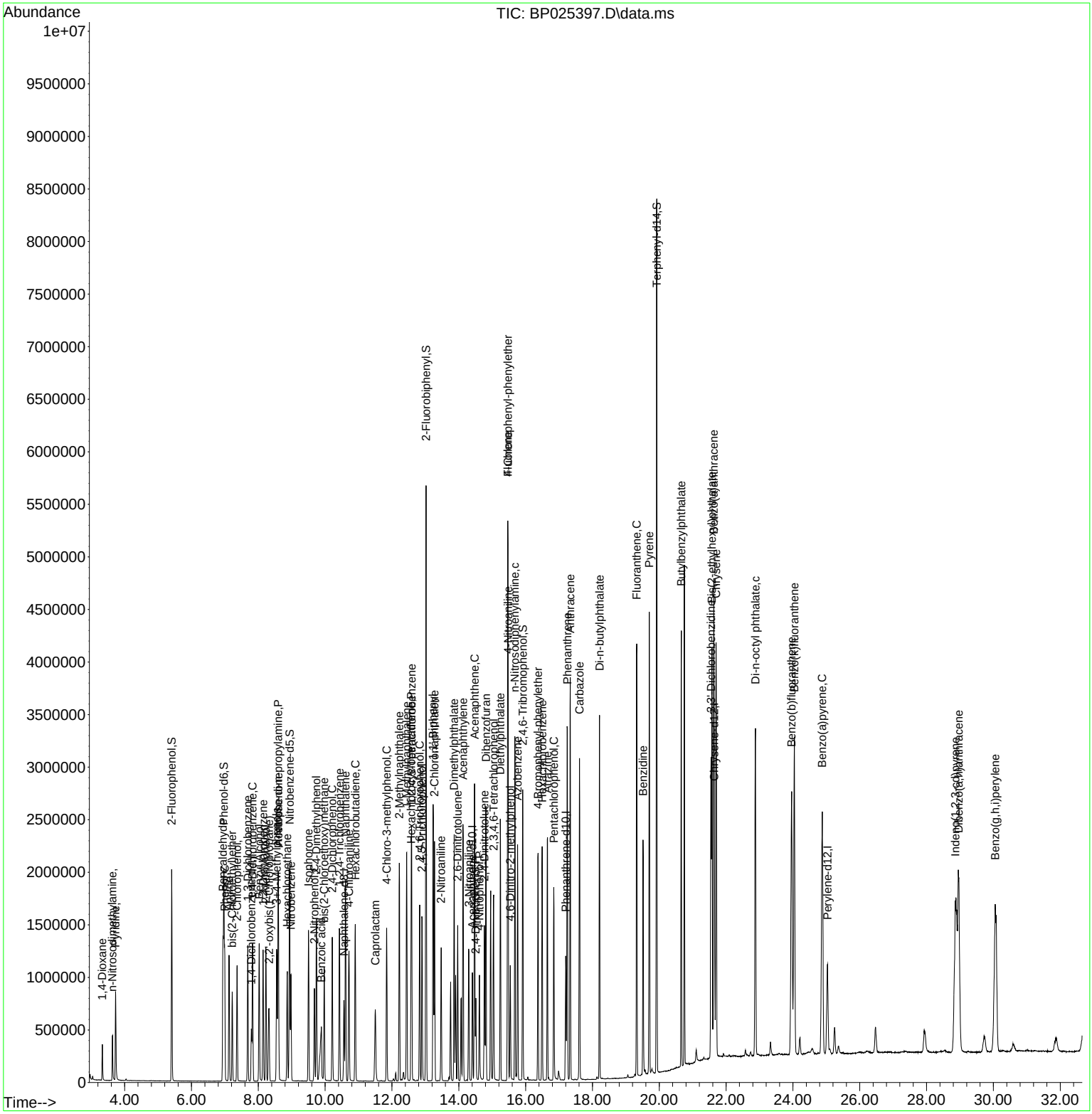
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	430061	53.421	ng		99
46) 1,1'-Biphenyl	13.231	154	1447968	52.922	ng		99
47) 2-Chloronaphthalene	13.272	162	1114922	52.344	ng		99
48) 2-Nitroaniline	13.472	65	338939	54.613	ng		98
49) Acenaphthylene	14.125	152	1875998	53.227	ng		100
50) Dimethylphthalate	13.860	163	1424127	51.622	ng		100
51) 2,6-Dinitrotoluene	13.966	165	312149	53.683	ng		97
52) Acenaphthene	14.472	154	1087721	52.577	ng		98
53) 3-Nitroaniline	14.301	138	362030	55.339	ng		99
54) 2,4-Dinitrophenol	14.507	184	175453	56.503	ng		98
55) Dibenzofuran	14.813	168	1705630	52.147	ng		99
56) 4-Nitrophenol	14.619	139	296227	55.103	ng		98
57) 2,4-Dinitrotoluene	14.766	165	450923	54.354	ng		97
58) Fluorene	15.466	166	1332448	51.627	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.043	232	378743	53.281	ng		99
60) Diethylphthalate	15.243	149	1450033	51.728	ng		99
61) 4-Chlorophenyl-phenyle...	15.466	204	650101	50.647	ng		99
62) 4-Nitroaniline	15.478	138	364030	54.278	ng		99
63) Azobenzene	15.760	77	1262576	52.602	ng		99
65) 4,6-Dinitro-2-methylph...	15.542	198	262126	55.792	ng		98
66) n-Nitrosodiphenylamine	15.678	169	1195077	51.997	ng		100
67) 4-Bromophenyl-phenylether	16.372	248	433740	52.325	ng		99
68) Hexachlorobenzene	16.495	284	497906	51.816	ng		97
69) Atrazine	16.654	200	451704	52.479	ng		98
70) Pentachlorophenol	16.842	266	332839	54.872	ng		97
71) Phenanthrene	17.248	178	2139431	51.673	ng		100
72) Anthracene	17.337	178	2214911	52.385	ng		100
73) Carbazole	17.613	167	2093175	52.559	ng		99
74) Di-n-butylphthalate	18.213	149	2589522	52.849	ng		99
75) Fluoranthene	19.325	202	2563702	51.910	ng		99
77) Benzidine	19.513	184	1330198	48.615	ng		99
78) Pyrene	19.701	202	2644850	50.754	ng		100
80) Butylbenzylphthalate	20.660	149	1231376	52.139	ng		98
81) Benzo(a)anthracene	21.630	228	2723006	51.499	ng		100
82) 3,3'-Dichlorobenzidine	21.548	252	1043476	52.357	ng		99
83) Chrysene	21.701	228	2565856	51.817	ng		99
84) Bis(2-ethylhexyl)phtha...	21.577	149	1805478	51.933	ng		100
85) Di-n-octyl phthalate	22.877	149	3150824	52.690	ng		100
87) Indeno(1,2,3-cd)pyrene	28.859	276	1446981	21.464	ng	#	92
88) Benzo(b)fluoranthene	23.960	252	2870971	52.982	ng		100
89) Benzo(k)fluoranthene	24.042	252	2817276	51.956	ng		99
90) Benzo(a)pyrene	24.877	252	2800880	53.100	ng		99
91) Dibenzo(a,h)anthracene	28.965	278	2962622	53.795	ng		98
92) Benzo(g,h,i)perylene	30.053	276	1840881	34.009	ng		99

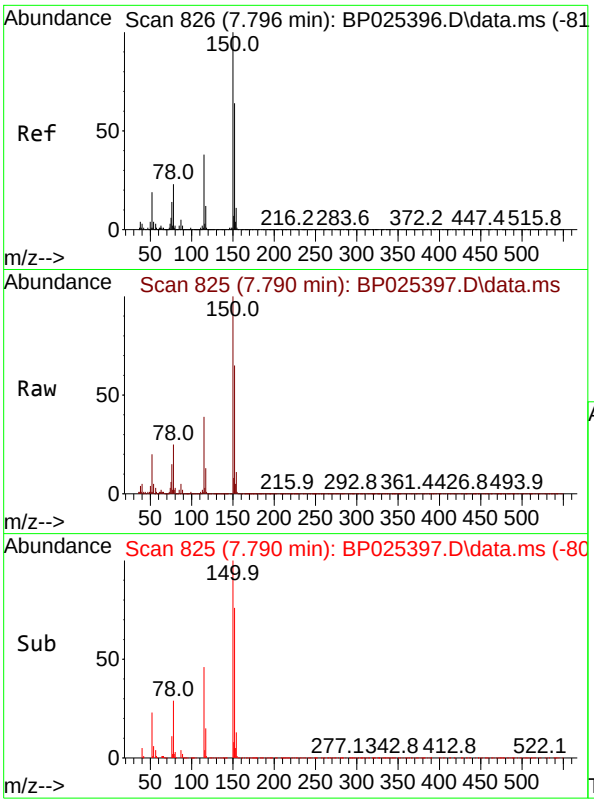
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025397.D
Acq On : 14 Aug 2025 16:01
Operator : CG/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Aug 14 17:57:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



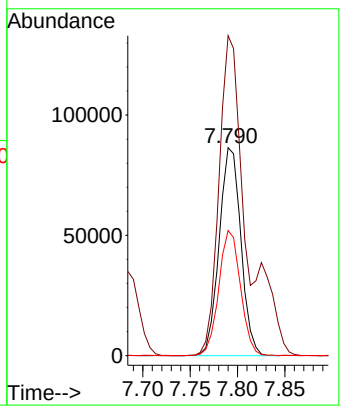


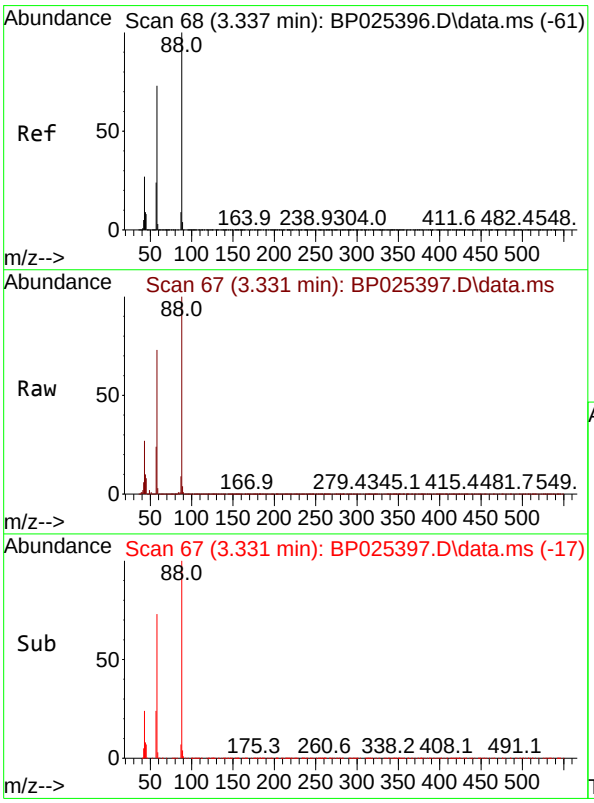
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 137945

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.9	188.9
115	60.2	48.5	72.7

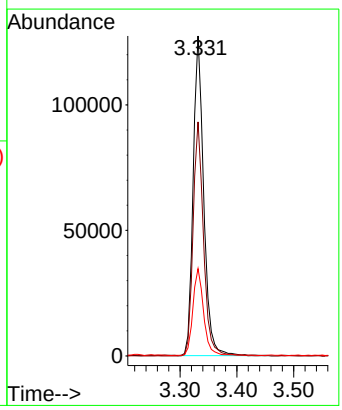


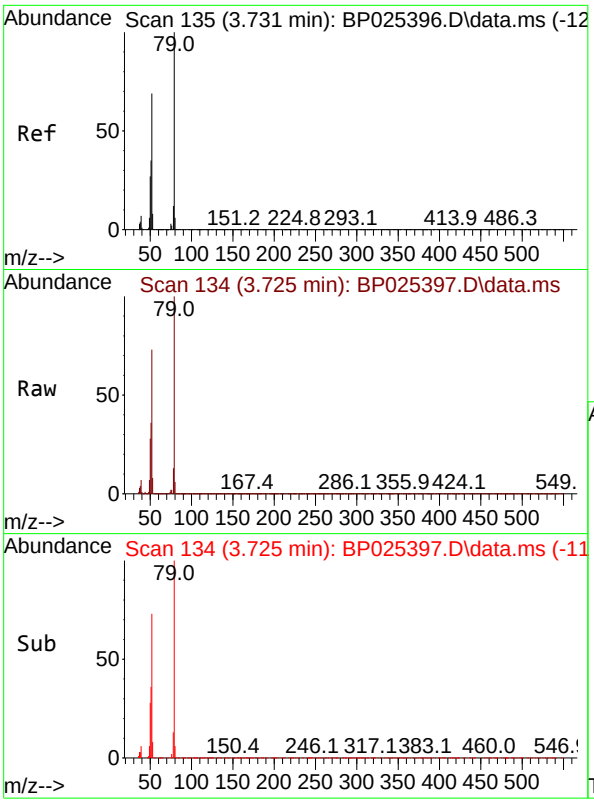


#2
1,4-Dioxane
Concen: 50.769 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 88 Resp: 165184

Ion	Ratio	Lower	Upper
88	100		
58	72.6	59.2	88.8
43	27.8	21.7	32.5



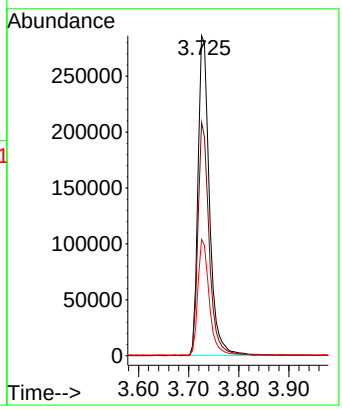


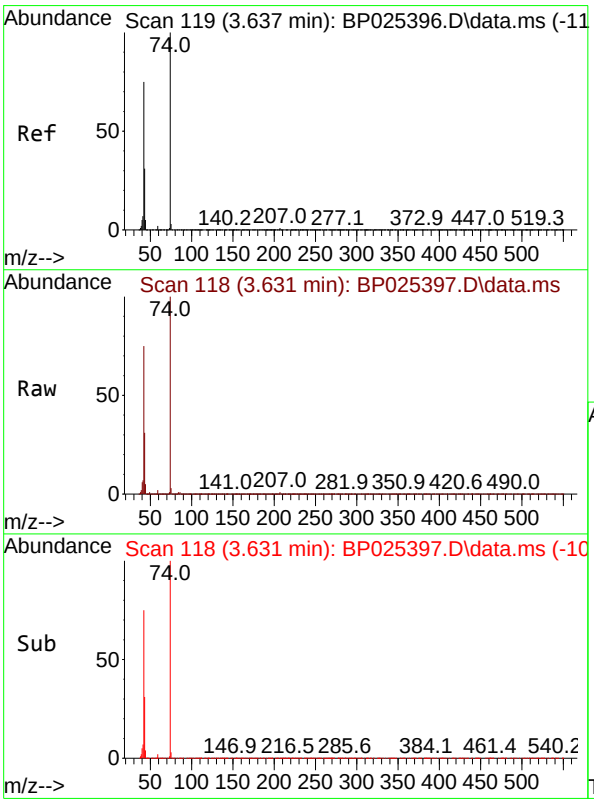
#3
Pyridine
Concen: 50.983 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 454022

Ion	Ratio	Lower	Upper
79	100		
52	72.9	55.5	83.3
51	36.3	28.3	42.5

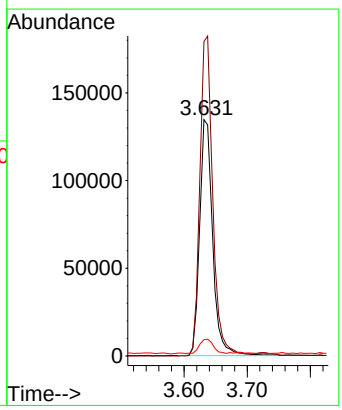


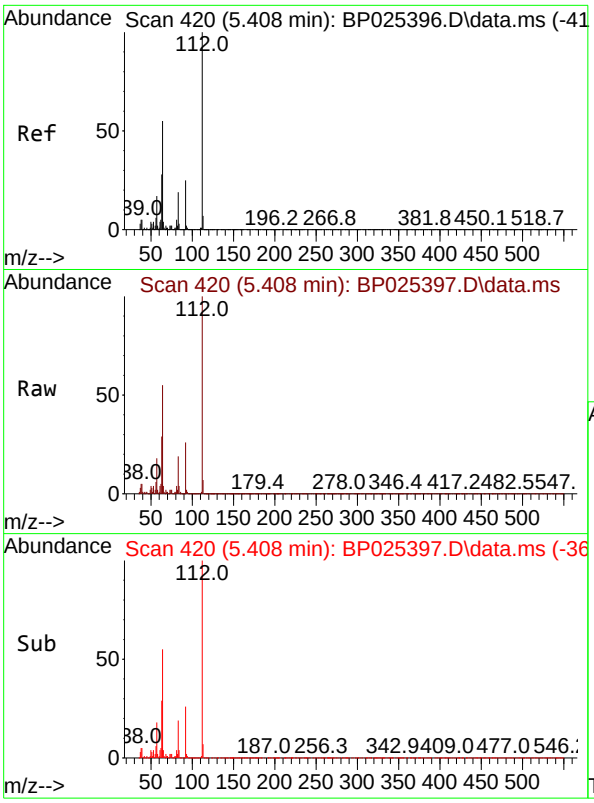


#4
n-Nitrosodimethylamine
Concen: 52.524 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 42 Resp: 192837

Ion	Ratio	Lower	Upper
42	100		
74	133.0	107.0	160.4
44	6.9	6.2	9.4



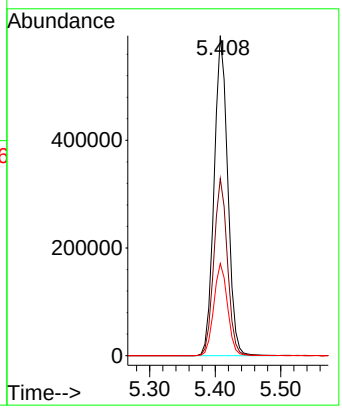


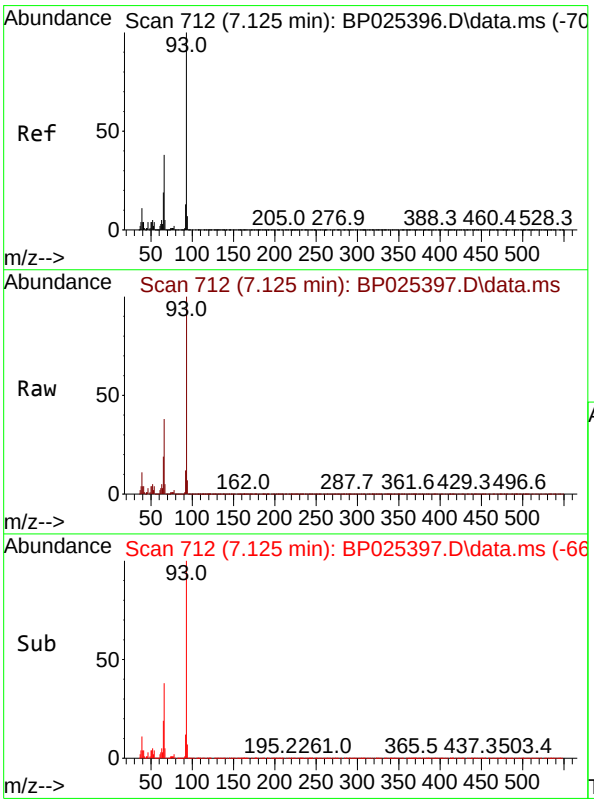
#5
2-Fluorophenol
Concen: 102.963 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 855256

Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.8	65.8
63	28.8	22.7	34.1

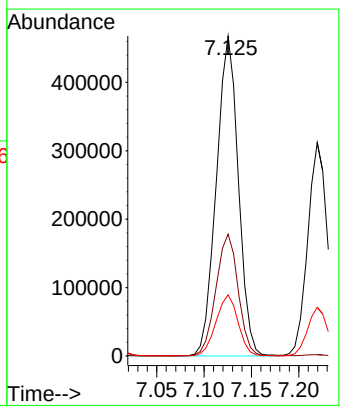


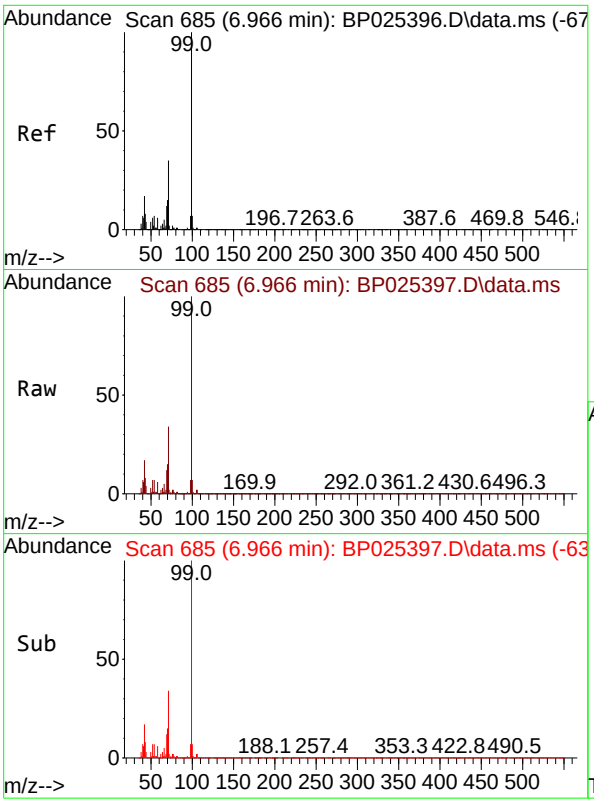


#6
Aniline
Concen: 52.743 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 756782

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.1	15.3	22.9



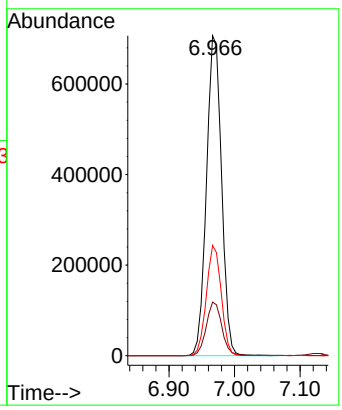


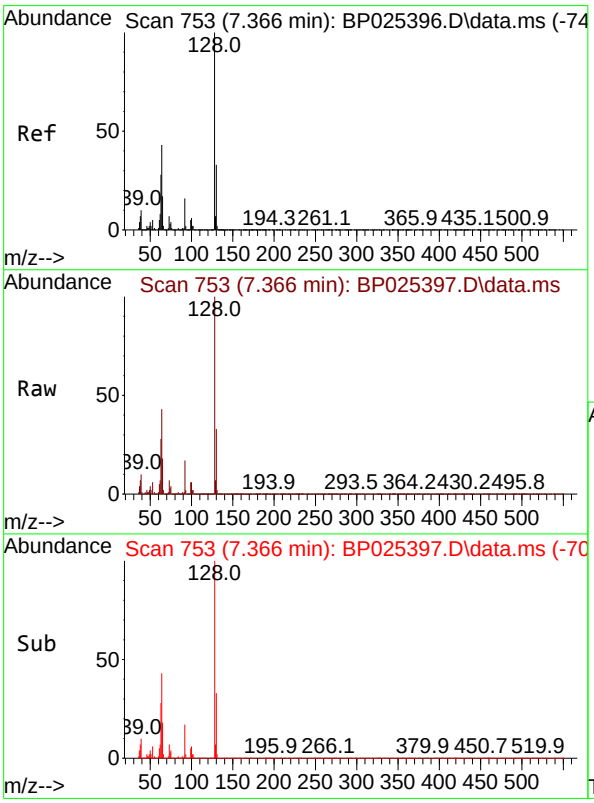
#7
Phenol-d6
Concen: 106.283 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1131869

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	34.4	28.2	42.4

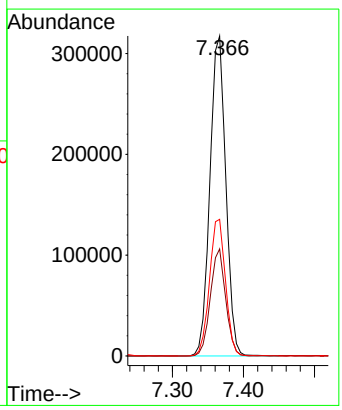


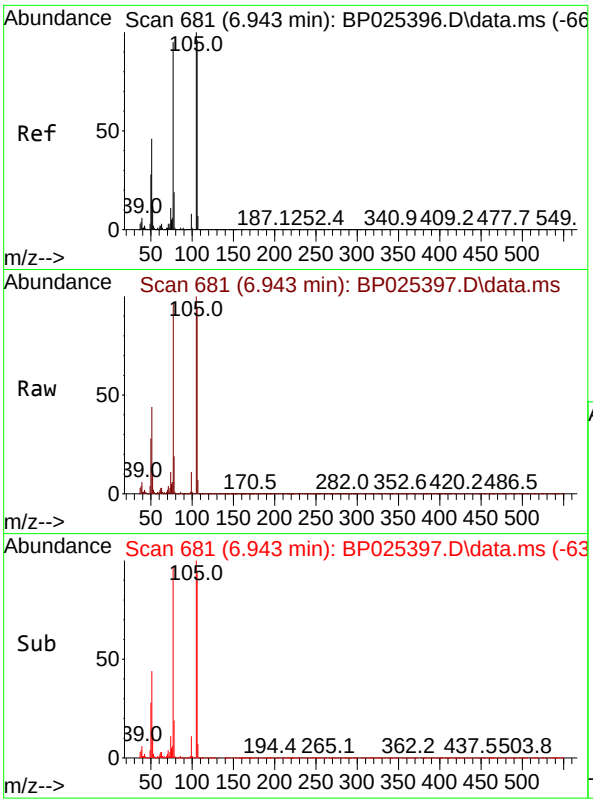


#8
2-Chlorophenol
Concen: 52.550 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:128 Resp: 492570

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	42.7	23.4	63.4



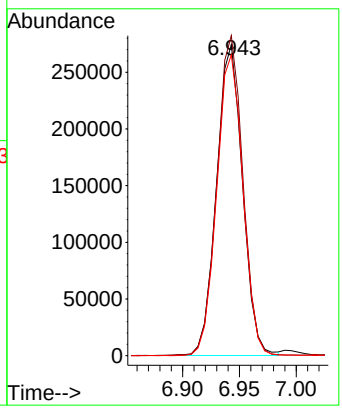


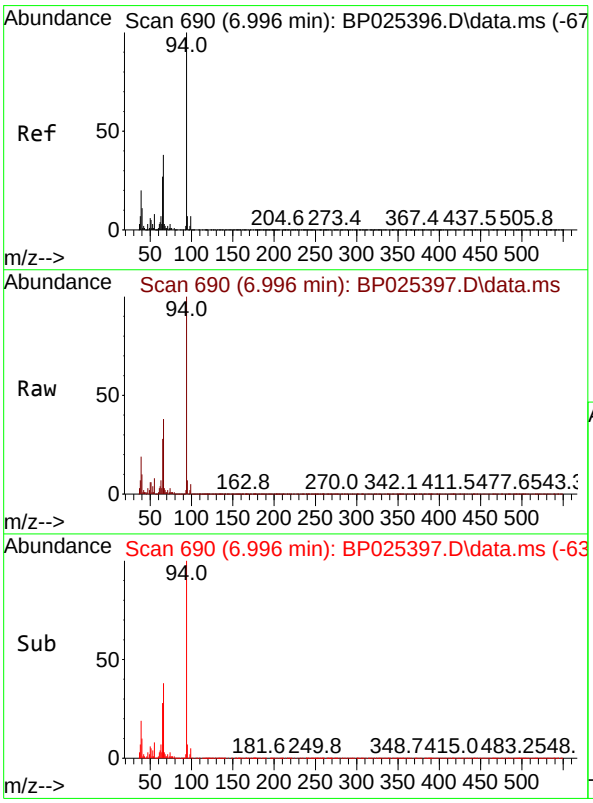
#9
Benzaldehyde
Concen: 58.325 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 435174

Ion	Ratio	Lower	Upper
77	100		
105	102.9	84.8	124.8
106	96.7	80.5	120.5

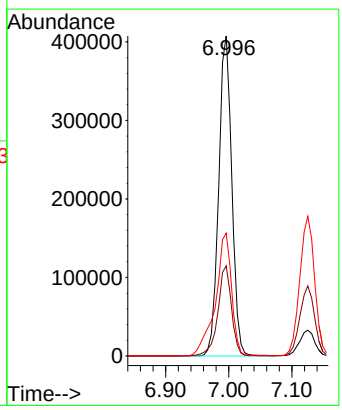


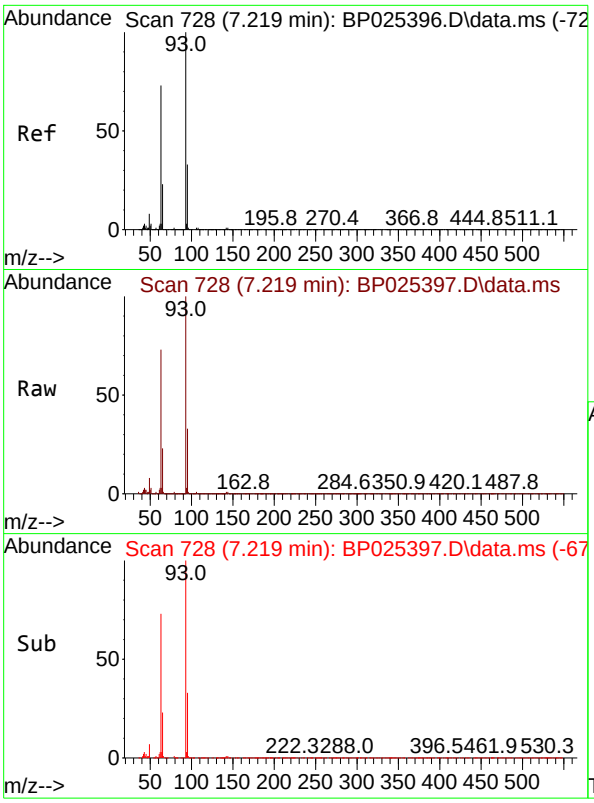


#10
Phenol
Concen: 52.687 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 94 Resp: 588764

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	38.4	18.2	58.2



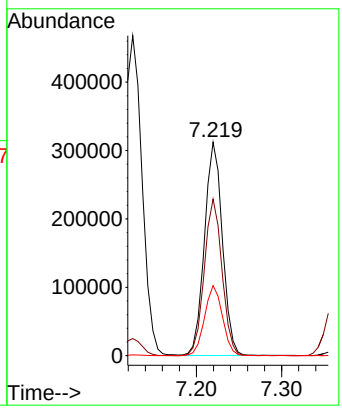


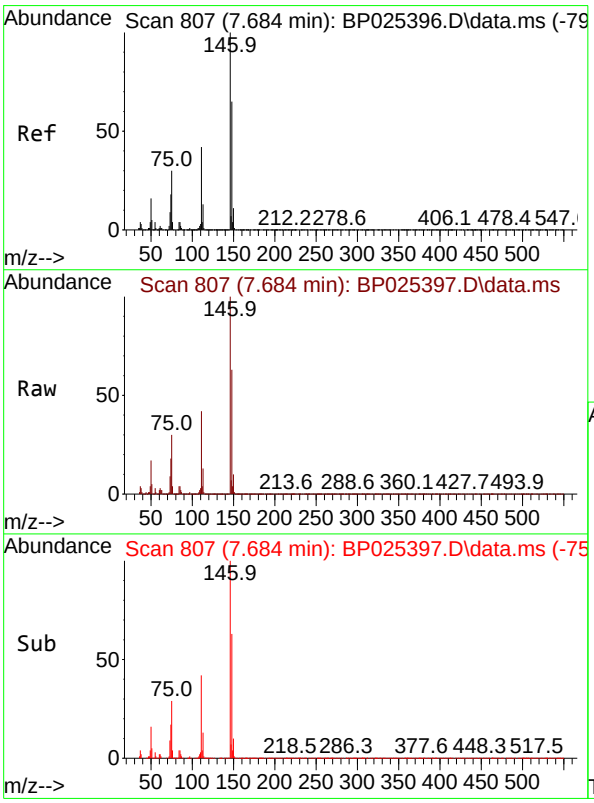
#11
bis(2-Chloroethyl)ether
Concen: 52.320 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 455697

Ion	Ratio	Lower	Upper
93	100		
63	73.4	52.6	92.6
95	32.9	12.7	52.7

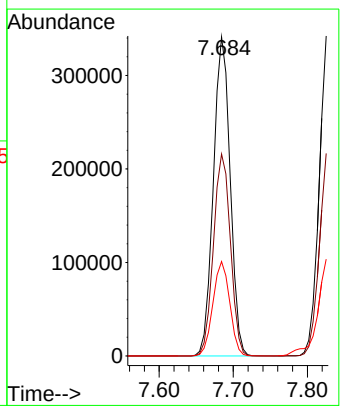


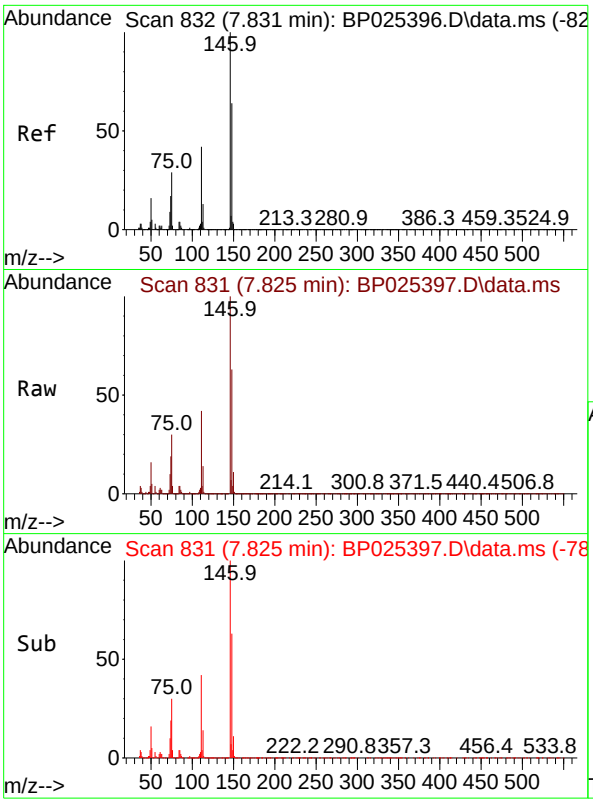


#12
1,3-Dichlorobenzene
Concen: 51.884 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 536261

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
75	29.6	23.7	35.5



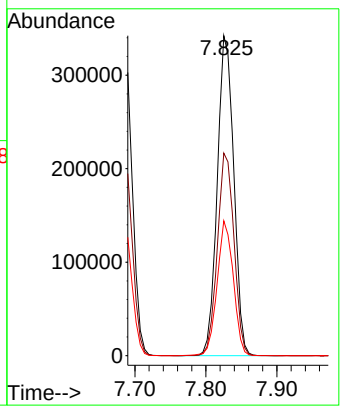


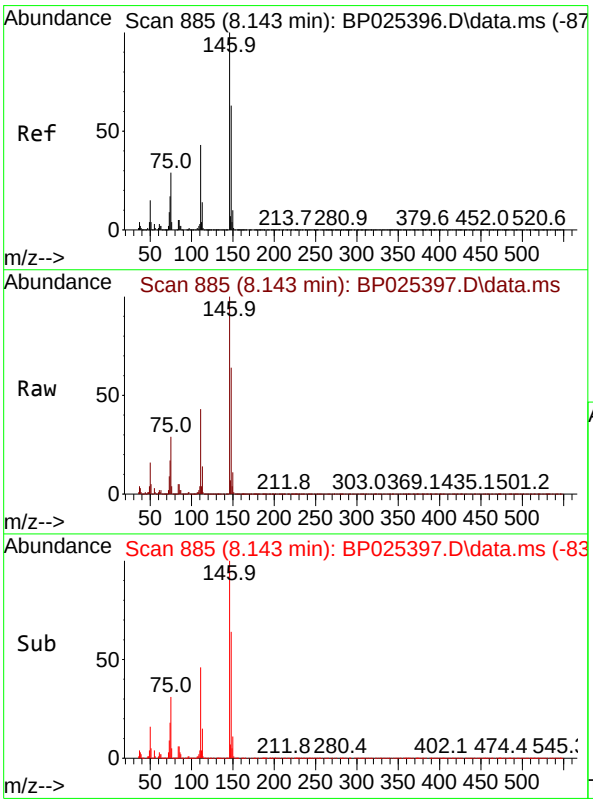
#13
1,4-Dichlorobenzene
Concen: 52.113 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 550541

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.6	77.4
111	42.2	33.4	50.0

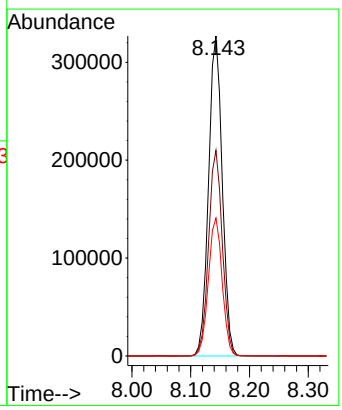


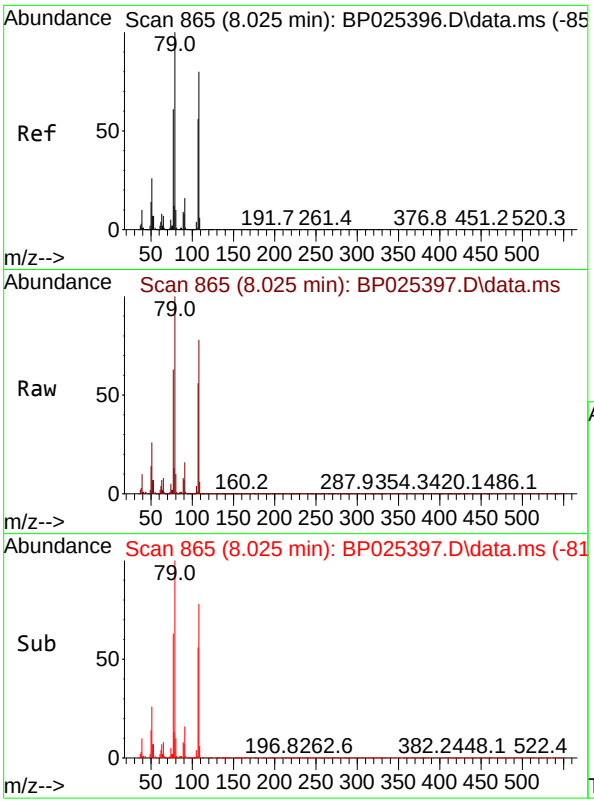


#14
1,2-Dichlorobenzene
Concen: 51.705 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:146 Resp: 528750

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.4	75.6
111	43.1	34.5	51.7



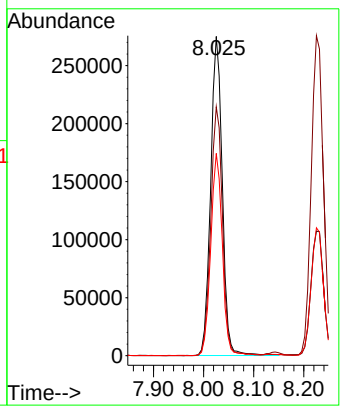


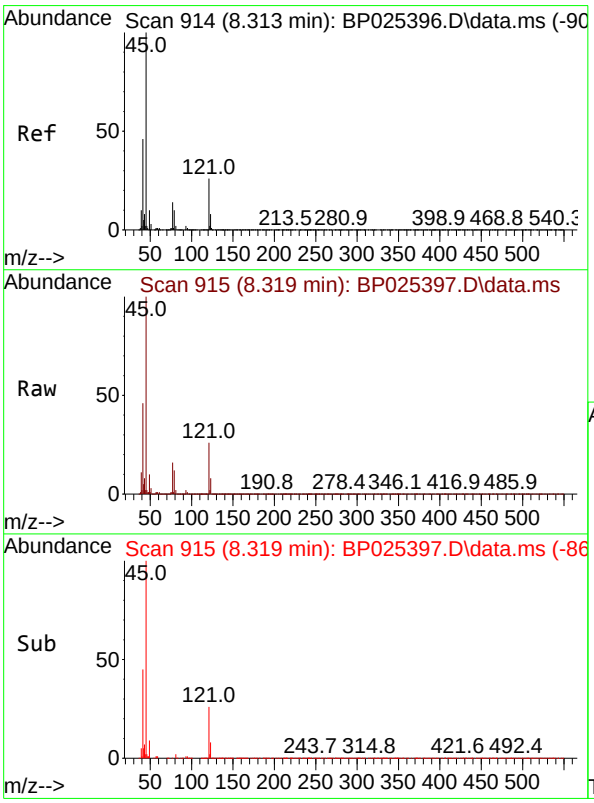
#15
Benzyl Alcohol
Concen: 52.458 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 443889

Ion	Ratio	Lower	Upper
79	100		
108	77.9	63.8	95.6
77	63.4	49.0	73.4

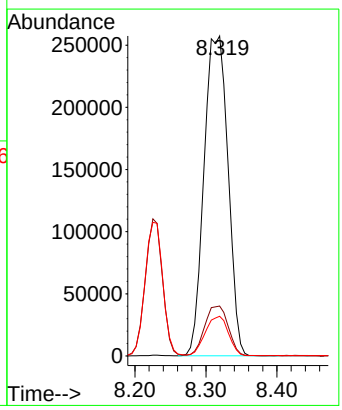


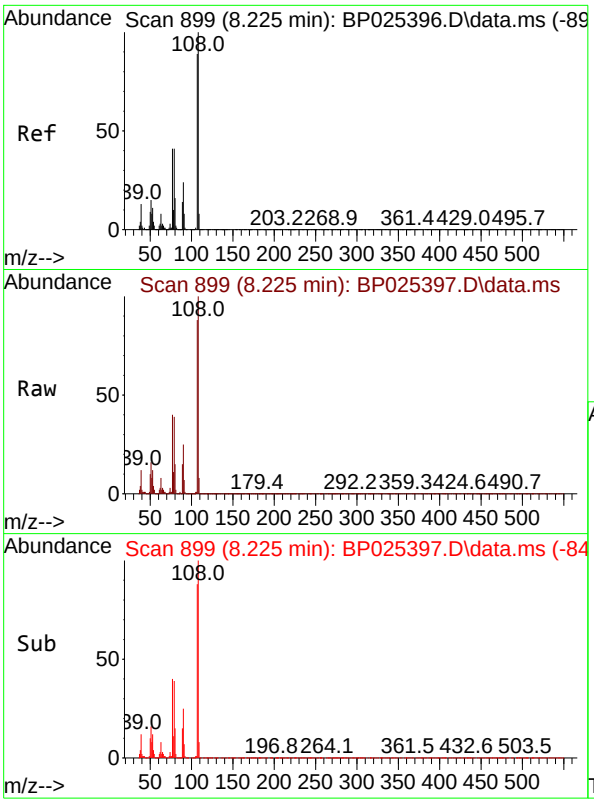


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.742 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 45 Resp: 603716

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.4	0.0	31.8



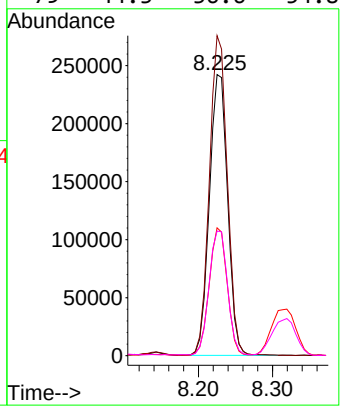


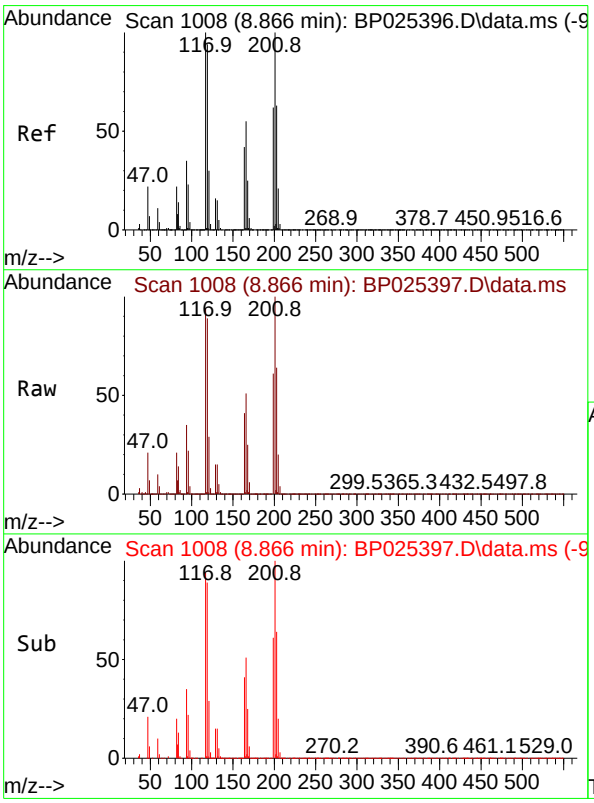
#17
2-Methylphenol
Concen: 53.211 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 412974

Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.5	36.3	54.5
79	44.3	36.6	54.8

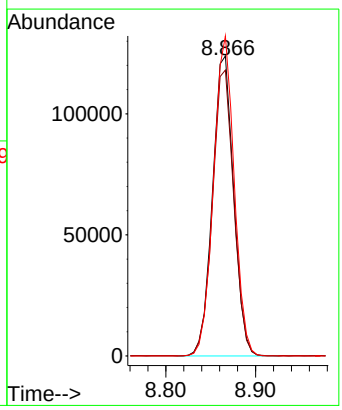


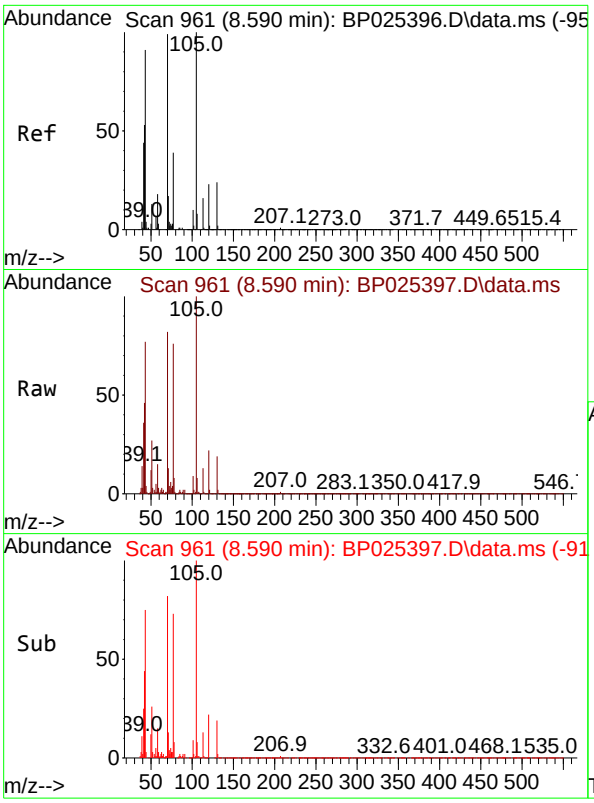


#18
Hexachloroethane
Concen: 52.178 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:117 Resp: 202672

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	106.7	80.1	120.1



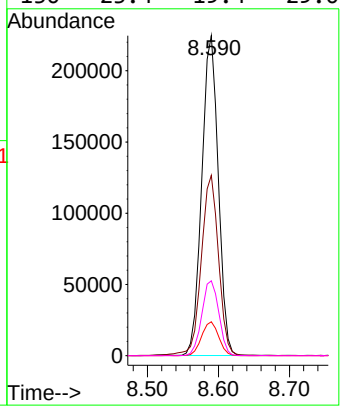


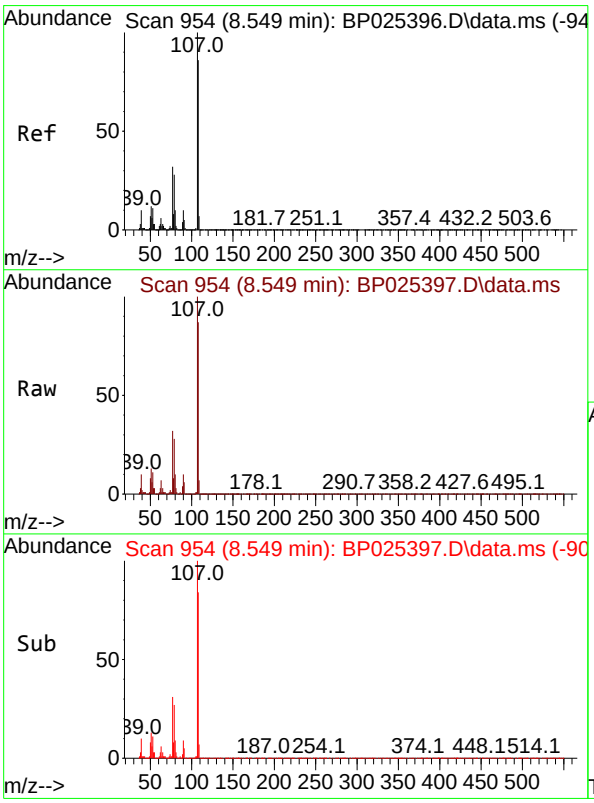
#19
n-Nitroso-di-n-propylamine
Concen: 51.419 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 363151

Ion	Ratio	Lower	Upper
70	100		
42	56.4	43.8	65.6
101	10.6	8.5	12.7
130	23.4	19.4	29.0

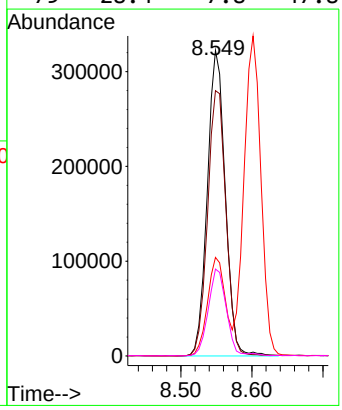


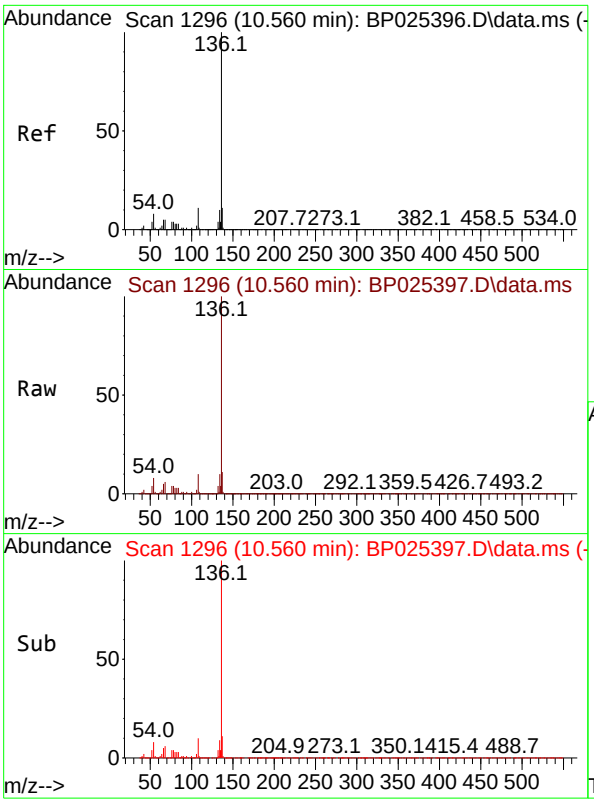


#20
3+4-Methylphenols
Concen: 52.538 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 565208

Ion	Ratio	Lower	Upper
107	100		
108	86.8	66.3	106.3
77	32.2	12.3	52.3
79	28.4	7.8	47.8



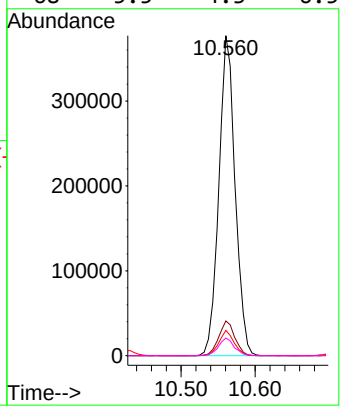


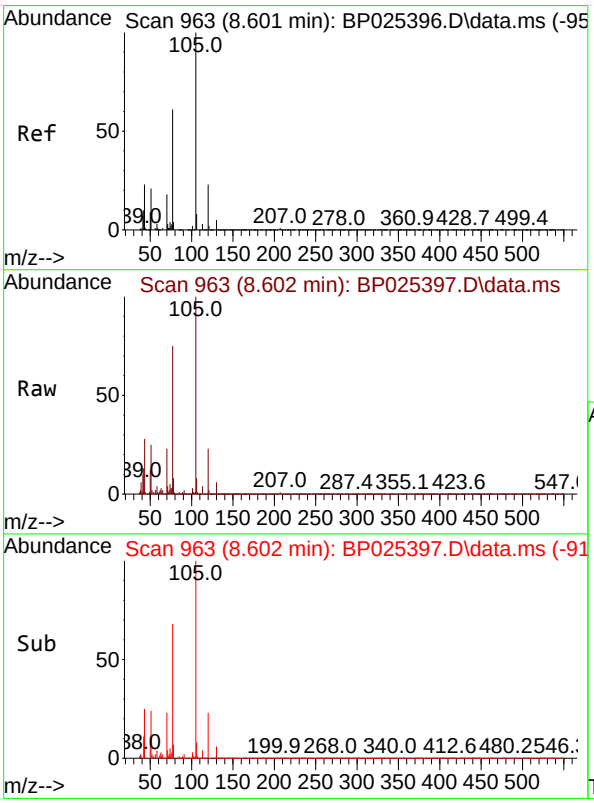
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 573916

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	6.0	9.0
68	5.5	4.3	6.5

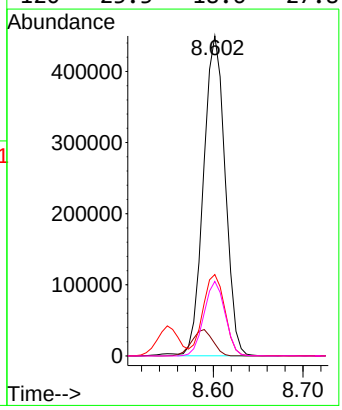


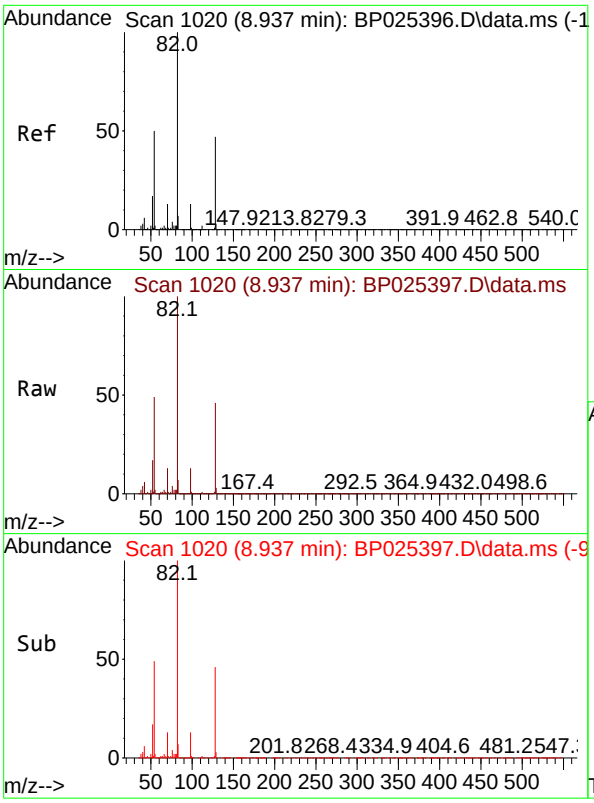


#22
Acetophenone
Concen: 52.131 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:105 Resp: 750308

Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.6	4.0
51	25.5	20.6	30.8
120	23.3	18.6	27.8



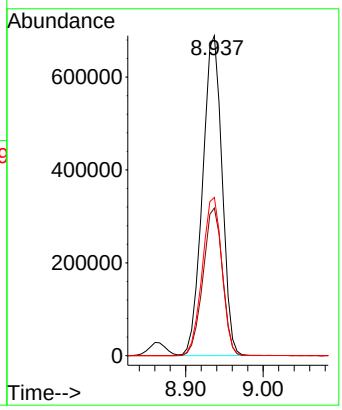


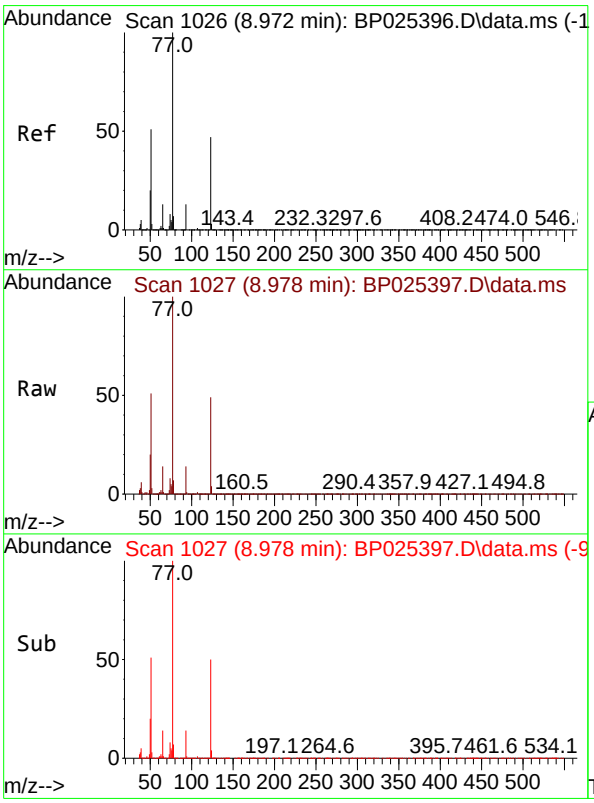
#23
Nitrobenzene-d5
Concen: 105.910 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1201601

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	49.4	39.8	59.6

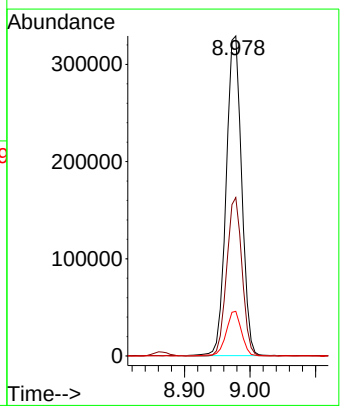


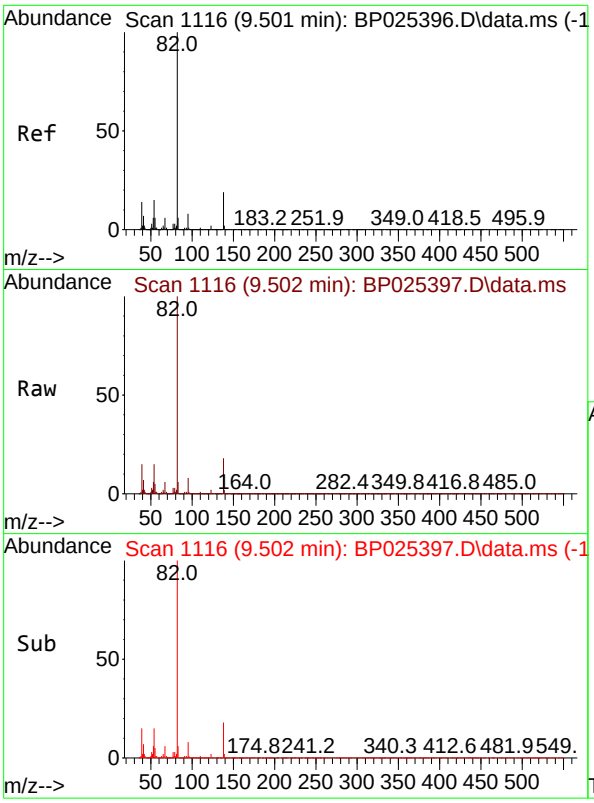


#24
Nitrobenzene
Concen: 53.024 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 77 Resp: 537647

Ion	Ratio	Lower	Upper
77	100		
123	49.5	38.6	58.0
65	13.9	10.6	15.8



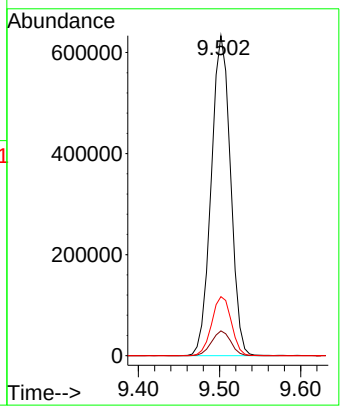


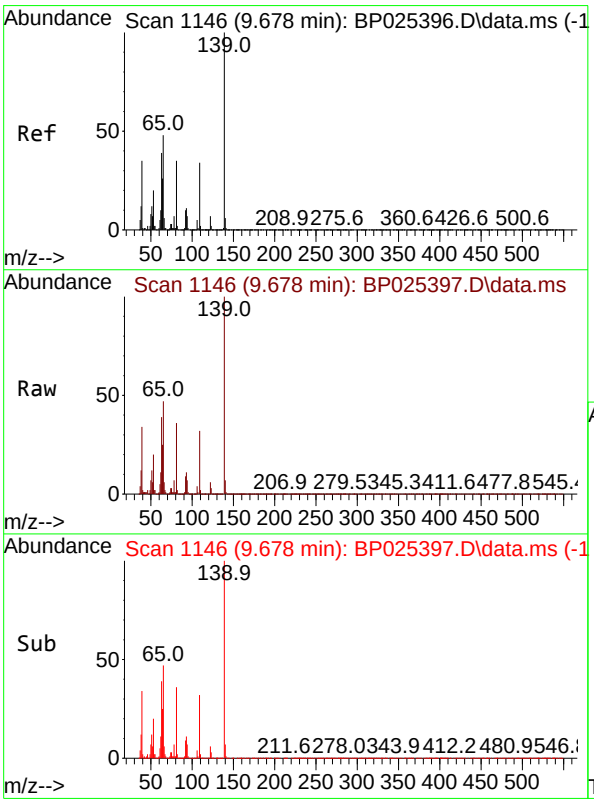
#25
Isophorone
Concen: 52.182 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1047736

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.5	15.4	23.0

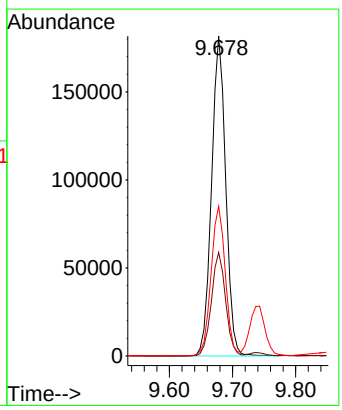


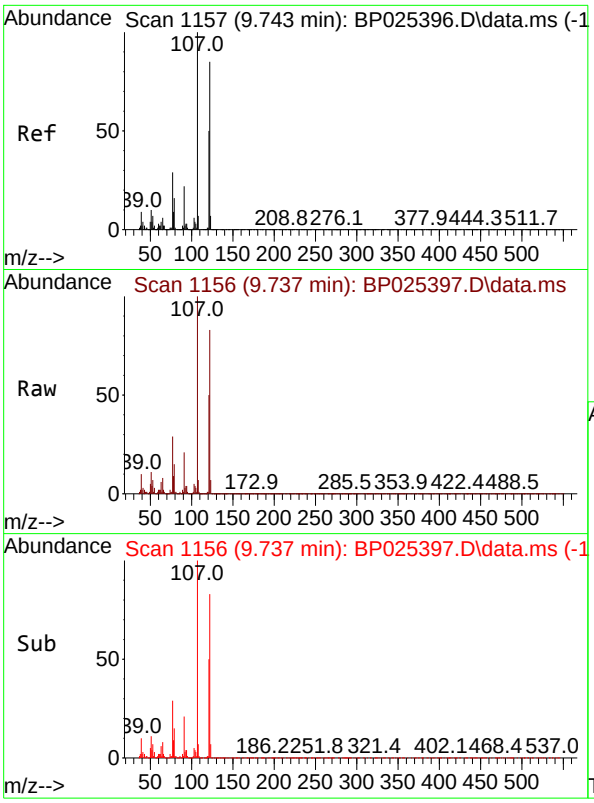


#26
2-Nitrophenol
Concen: 54.323 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 282682

Ion	Ratio	Lower	Upper
139	100		
109	32.3	26.9	40.3
65	46.8	38.3	57.5



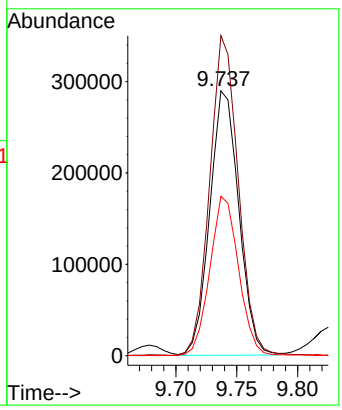


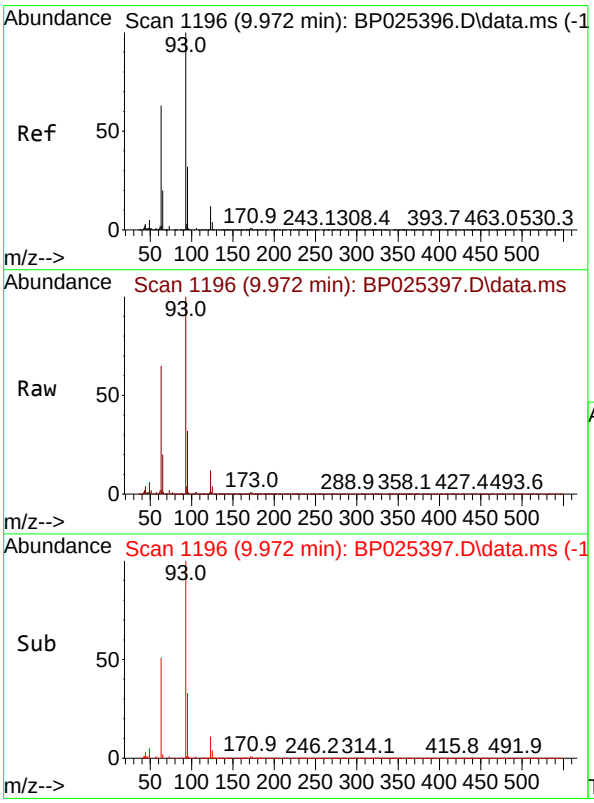
#27
2,4-Dimethylphenol
Concen: 53.806 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 481502

Ion	Ratio	Lower	Upper
122	100		
107	120.8	93.7	140.5
121	60.2	46.6	69.8

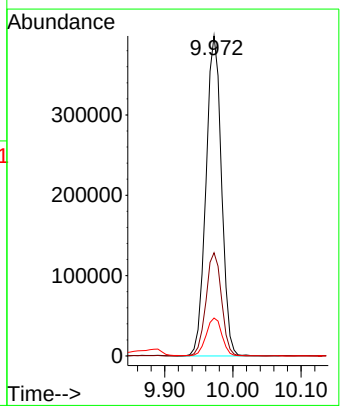


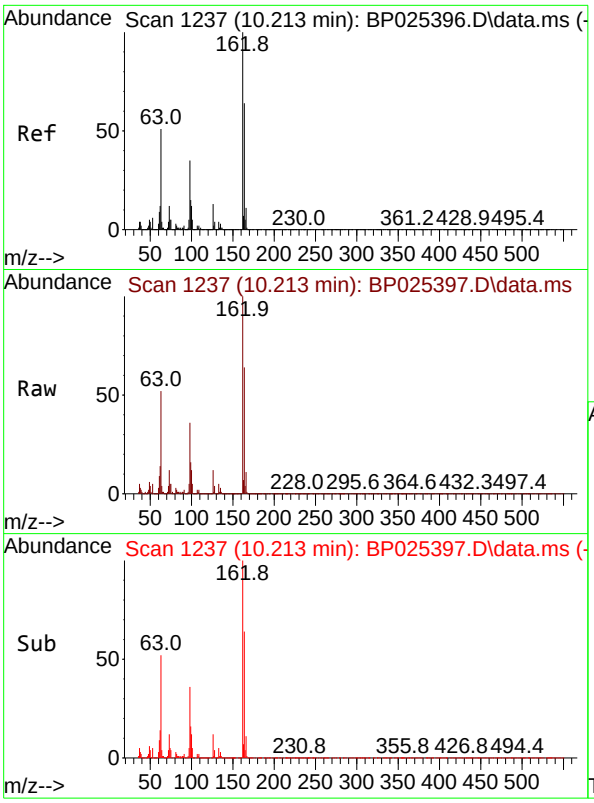


#28
bis(2-Chloroethoxy)methane
Concen: 51.909 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 93 Resp: 630027

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.0
123	11.8	9.4	14.0



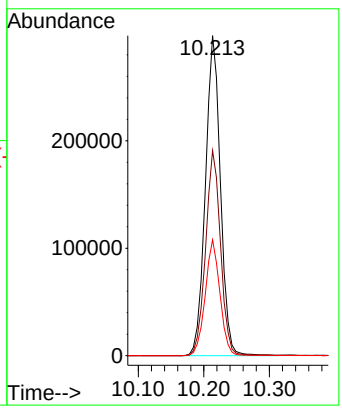


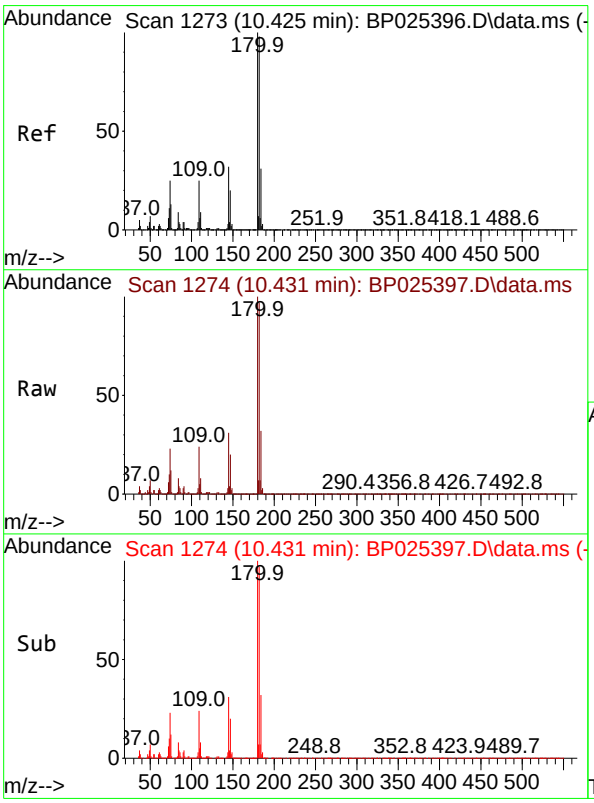
#29
2,4-Dichlorophenol
Concen: 53.478 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 475406

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	36.2	14.9	54.9

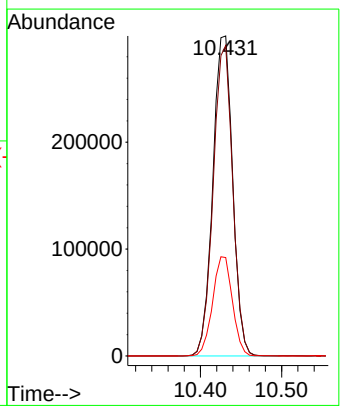


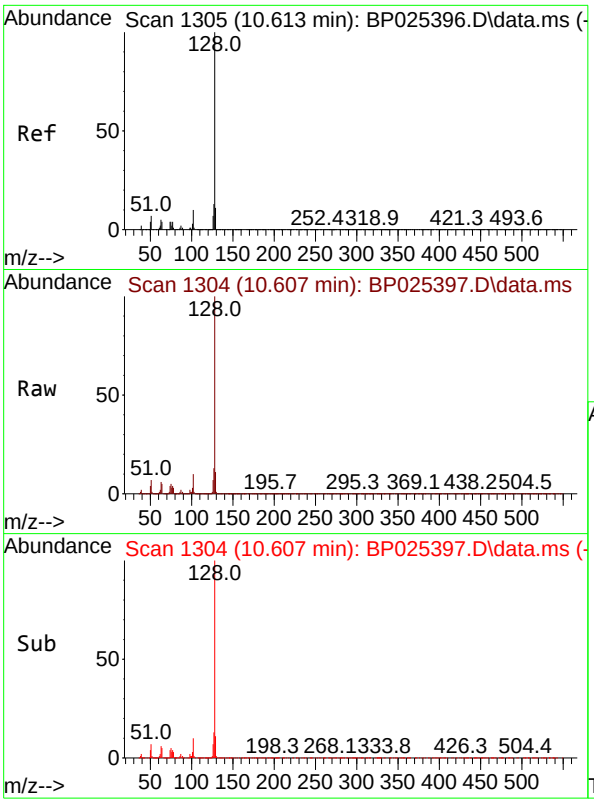


#30
1,2,4-Trichlorobenzene
Concen: 52.101 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:180 Resp: 507724

Ion	Ratio	Lower	Upper
180	100		
182	97.0	78.0	117.0
145	30.8	25.9	38.9



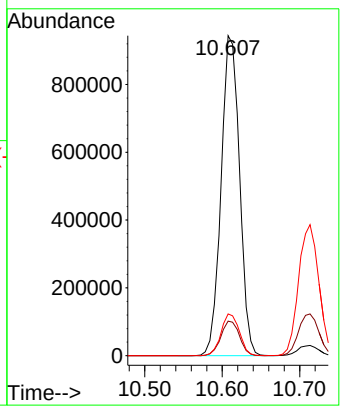


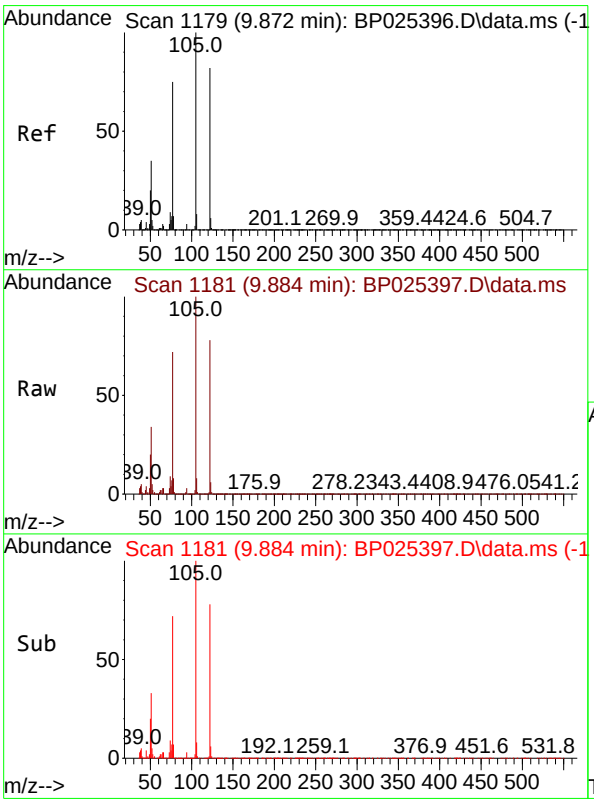
#31
Naphthalene
Concen: 52.305 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1560240

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.7	16.1

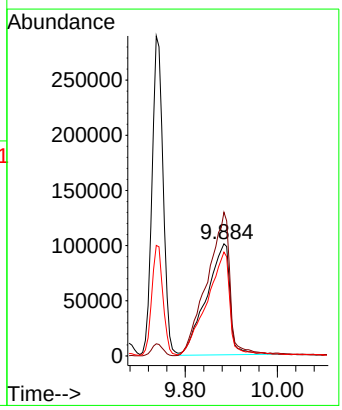


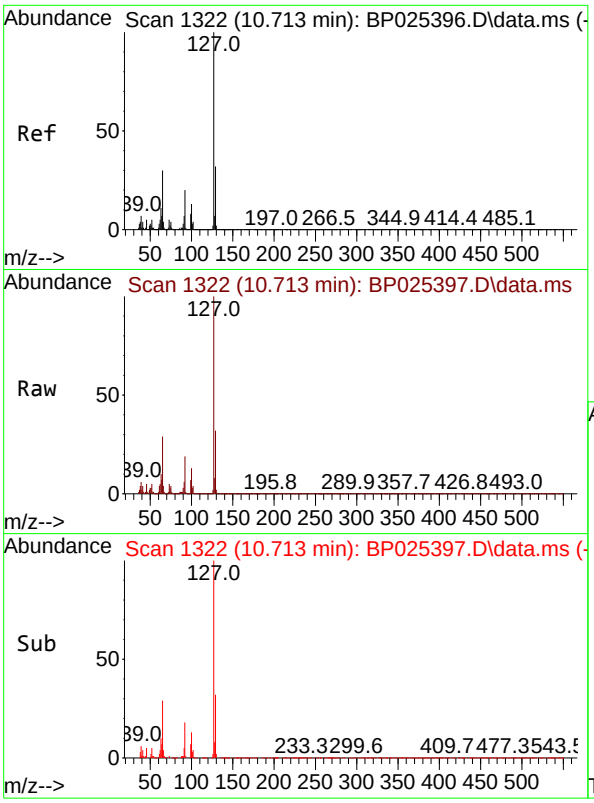


#32
Benzoic acid
Concen: 54.274 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:122 Resp: 357706

Ion	Ratio	Lower	Upper
122	100		
105	128.1	100.6	140.6
77	92.6	71.5	111.5



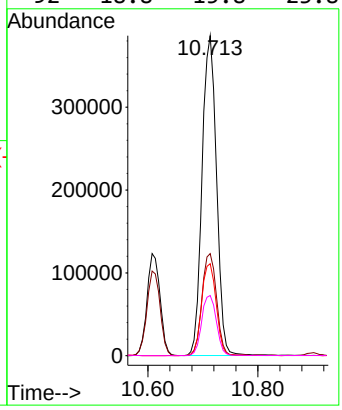


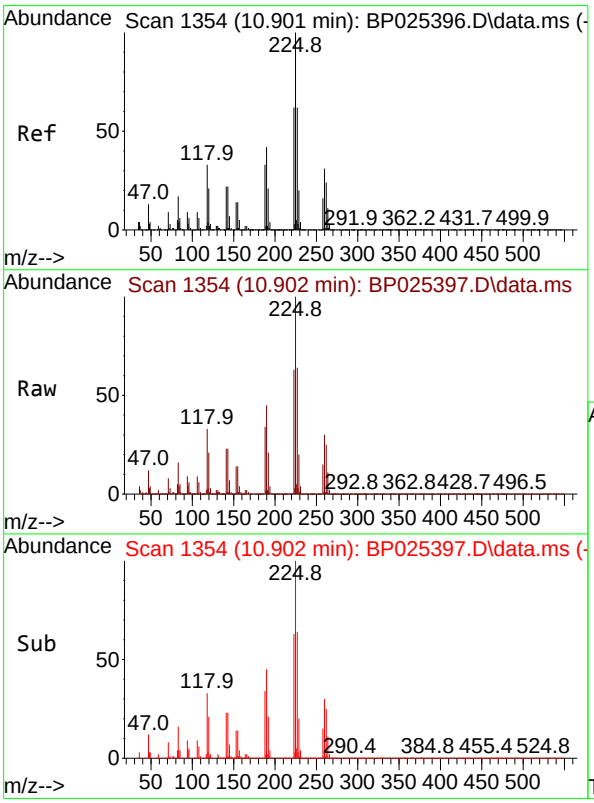
#33
4-Chloroaniline
Concen: 53.548 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 705562

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	28.7	23.8	35.6
92	18.8	15.8	23.8

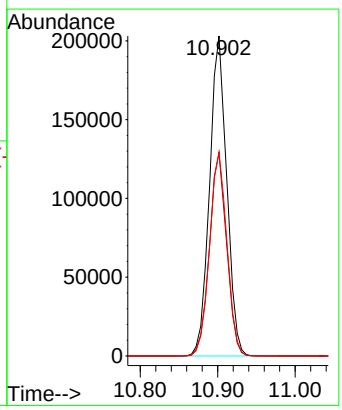


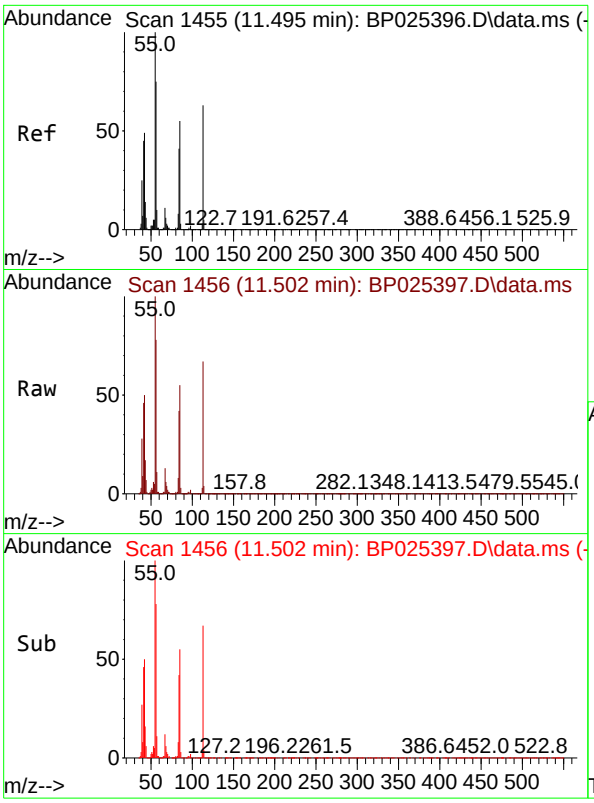


#34
Hexachlorobutadiene
Concen: 51.436 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:225 Resp: 312163

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	63.7	49.7	74.5



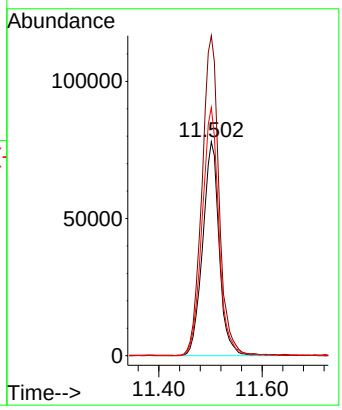


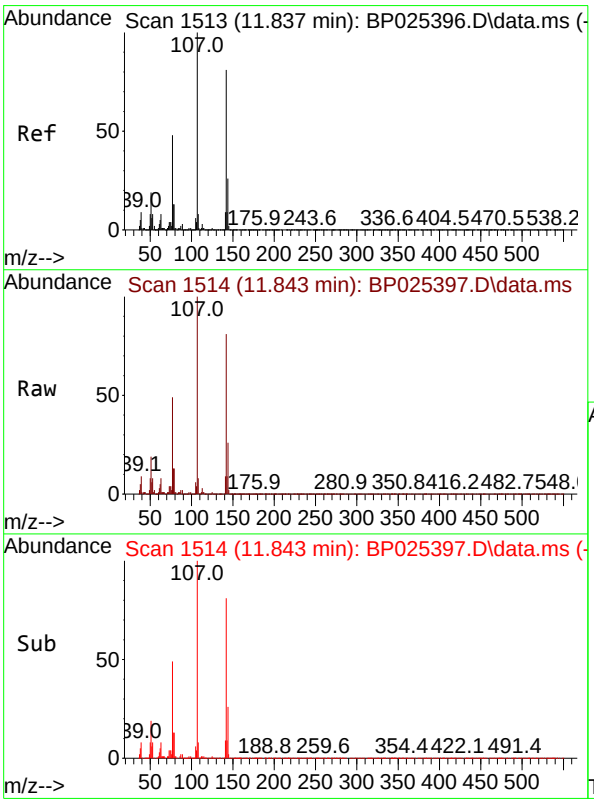
#35
Caprolactam
Concen: 52.969 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 172663

Ion	Ratio	Lower	Upper
113	100		
55	149.6	140.0	180.0
56	116.0	100.0	140.0

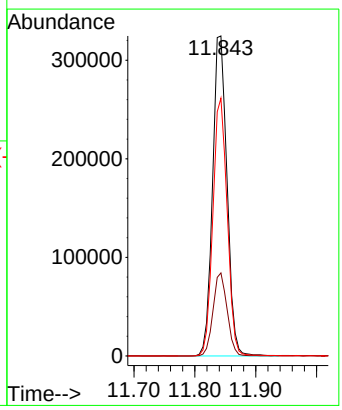


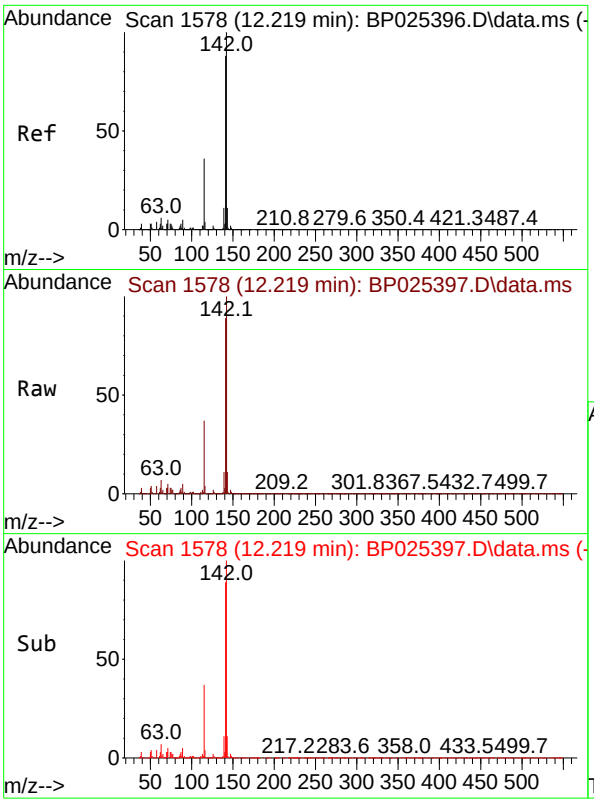


#36
4-Chloro-3-methylphenol
Concen: 52.407 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:107 Resp: 534583

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.4
142	80.6	64.6	97.0



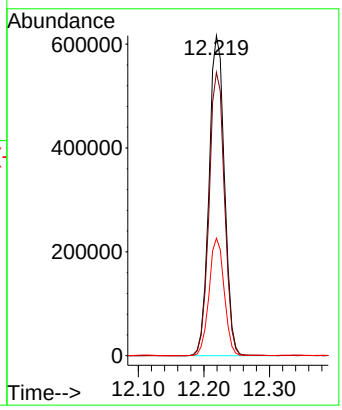


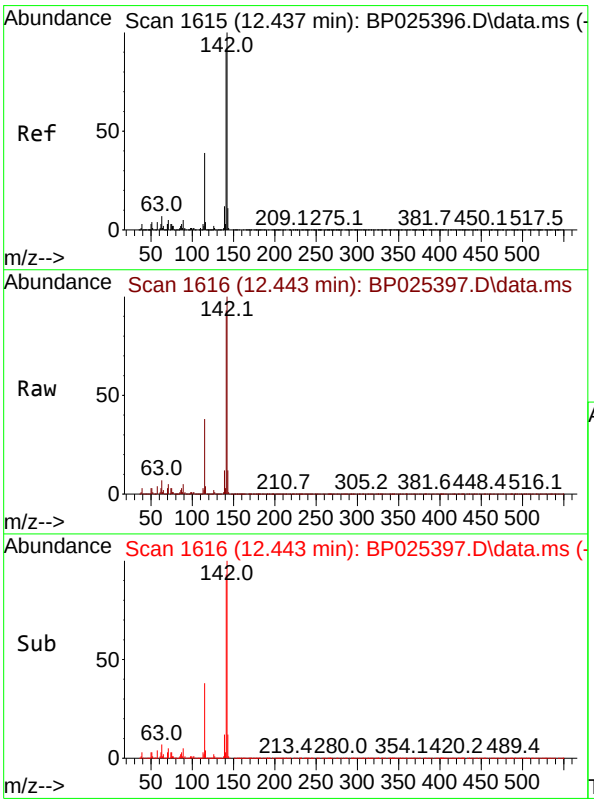
#37
2-Methylnaphthalene
Concen: 51.710 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1003813

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	36.7	28.9	43.3

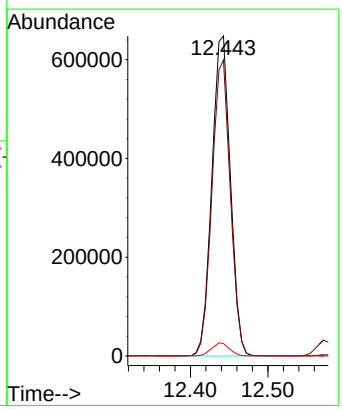


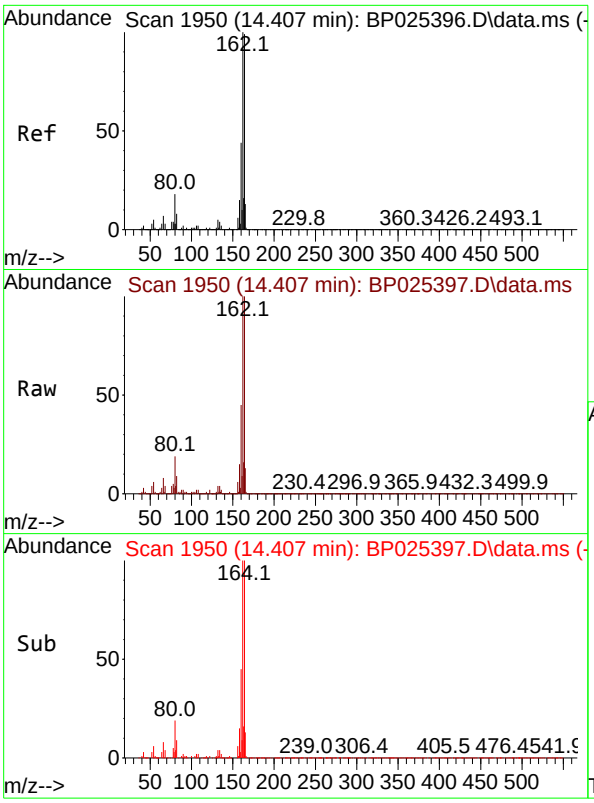


#38
1-Methylnaphthalene
Concen: 52.167 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:142 Resp: 1076949

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7
116	3.9	3.2	4.8



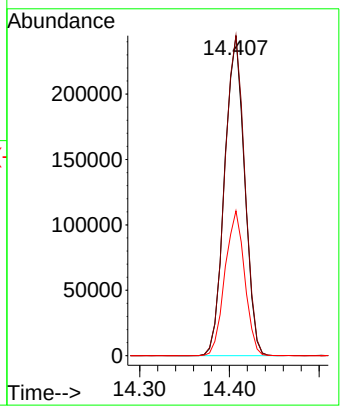


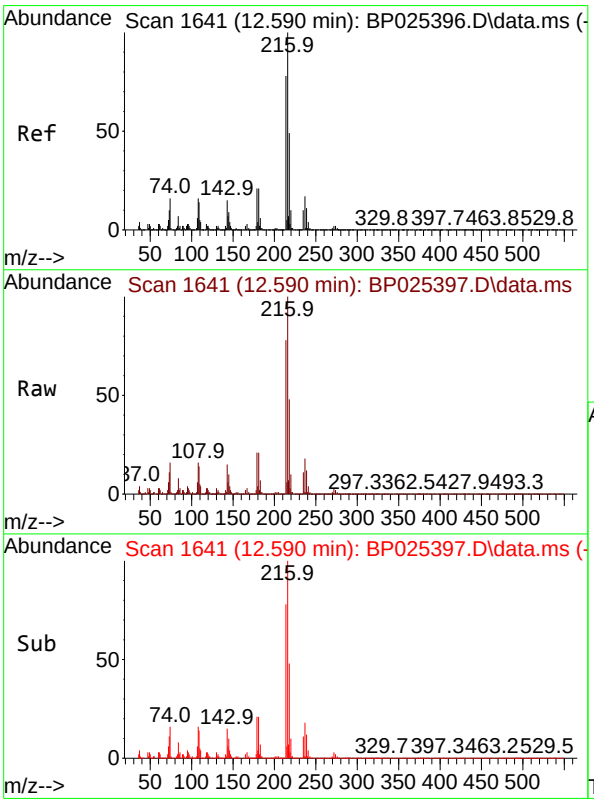
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 376731

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.0	121.6
160	45.2	35.4	53.2

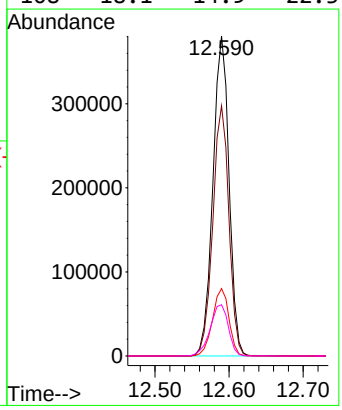


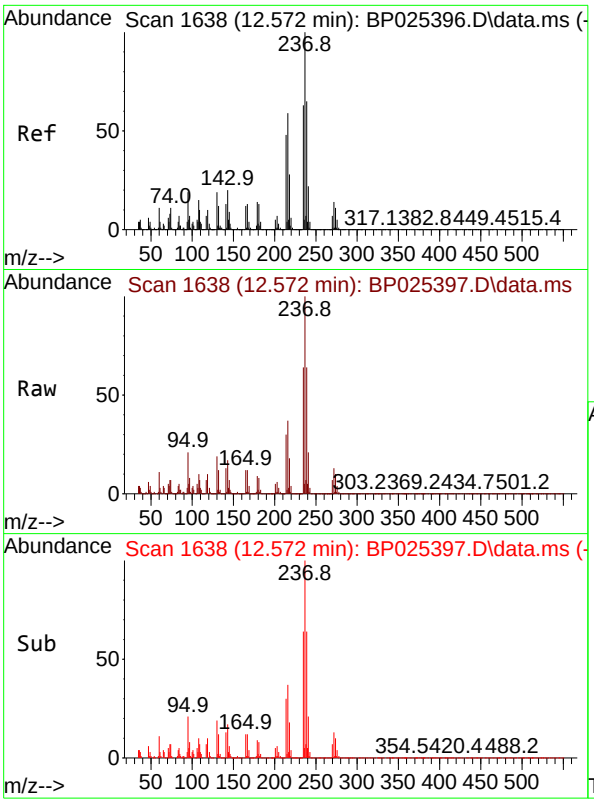


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.769 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:216 Resp: 574152

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	21.5	17.1	25.7
108	18.1	14.9	22.3



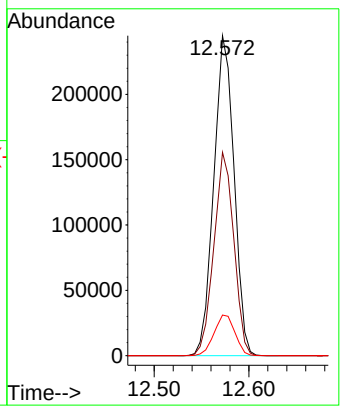


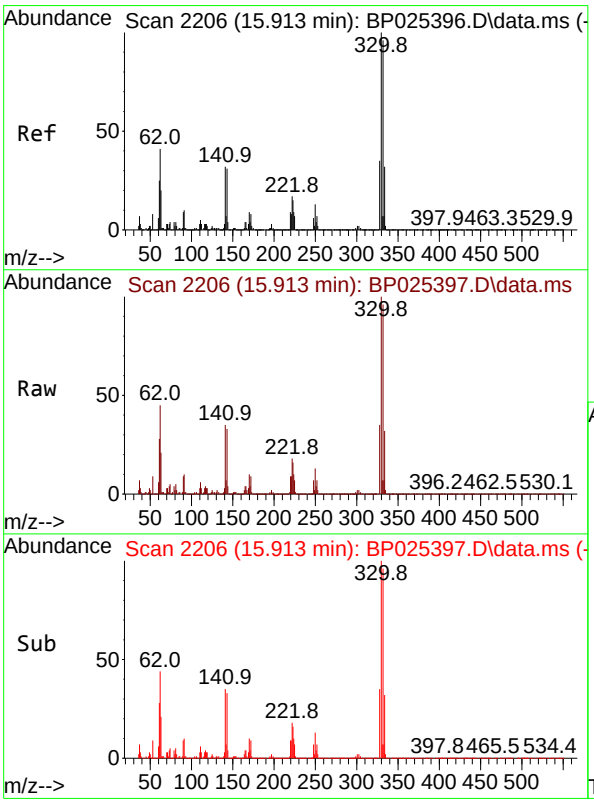
#41
Hexachlorocyclopentadiene
Concen: 55.392 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 364047

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.7	82.7
272	12.7	0.0	34.0

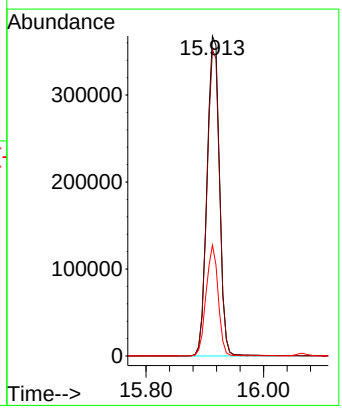


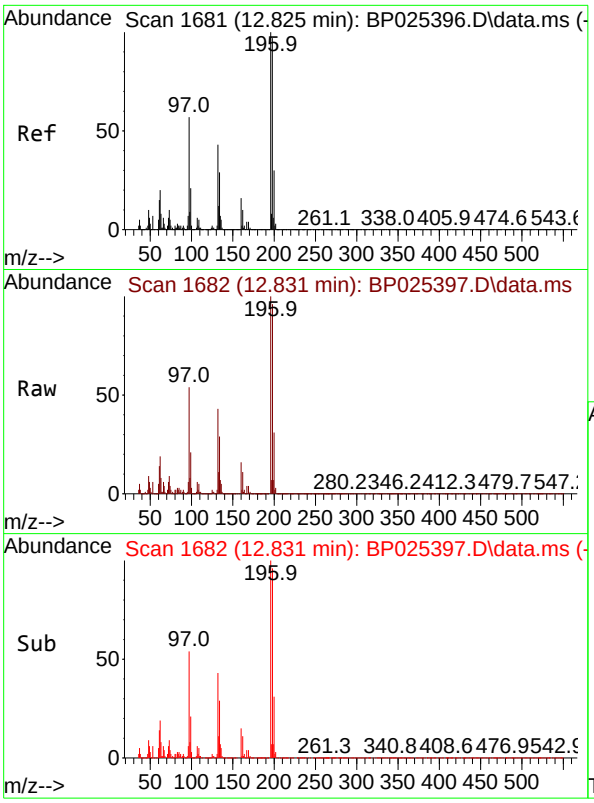


#42
2,4,6-Tribromophenol
Concen: 106.352 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:330 Resp: 539295

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	33.5	26.6	39.8



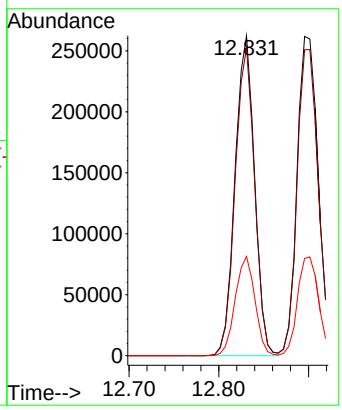


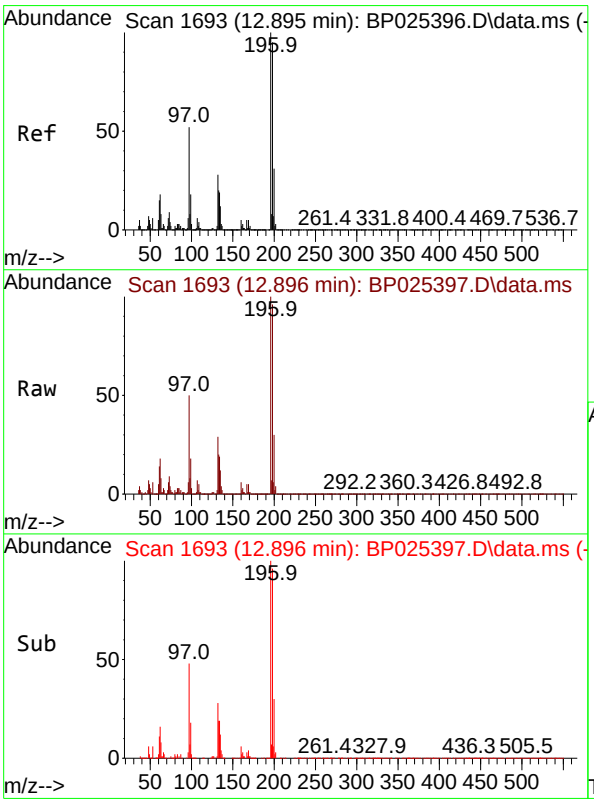
#43
2,4,6-Trichlorophenol
Concen: 53.971 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 396440

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.2	115.8
200	31.0	23.9	35.9

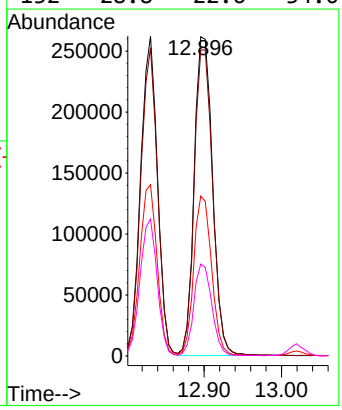


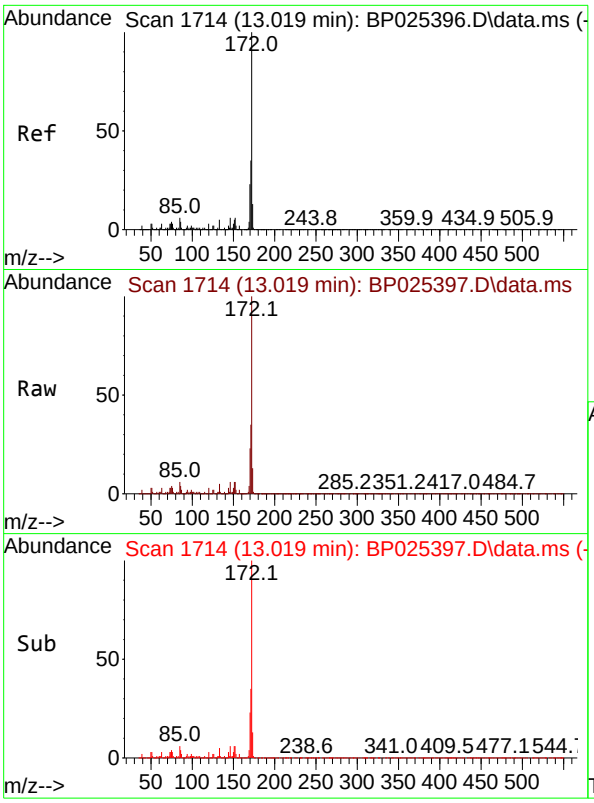


#44
2,4,5-Trichlorophenol
Concen: 53.421 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:196 Resp: 430061

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
97	50.1	41.2	61.8
132	28.8	22.6	34.0



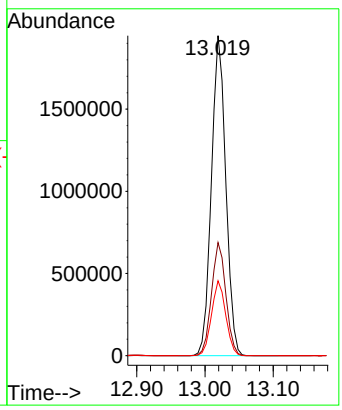


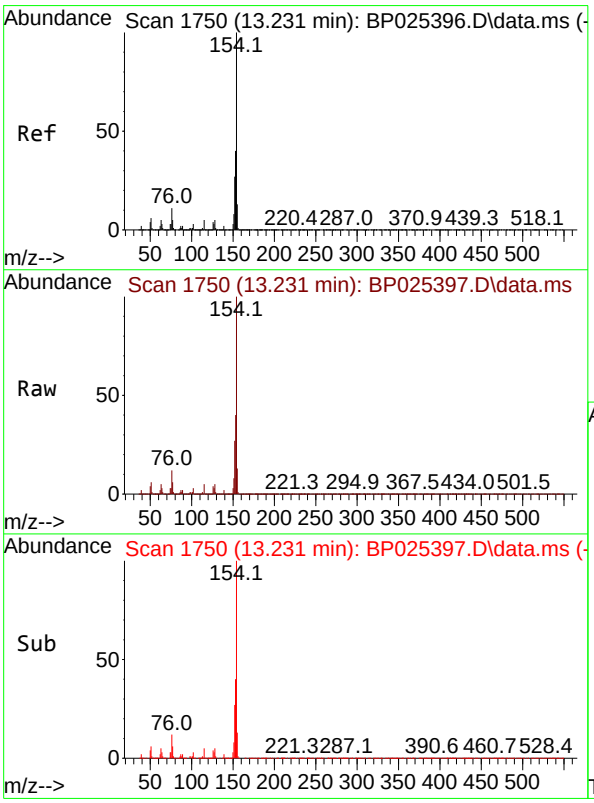
#45
2-Fluorobiphenyl
Concen: 103.632 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2856639

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.4	18.6	28.0

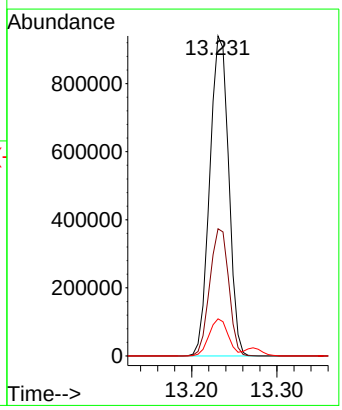


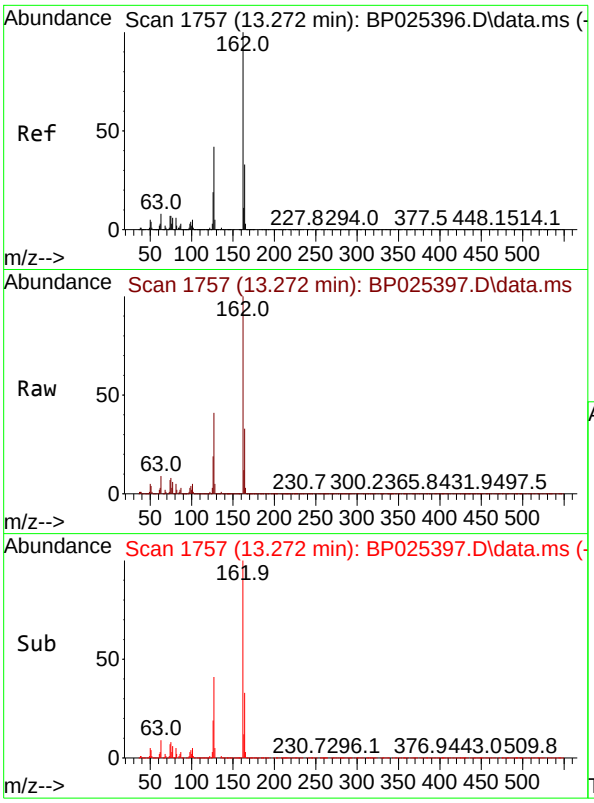


#46
1,1'-Biphenyl
Concen: 52.922 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1447968

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.6	0.0	31.1



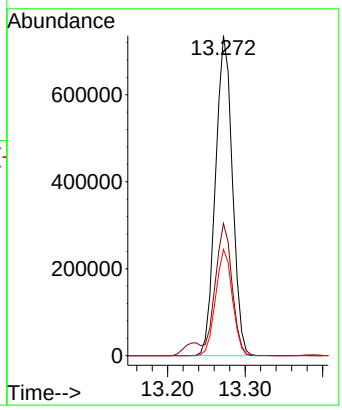


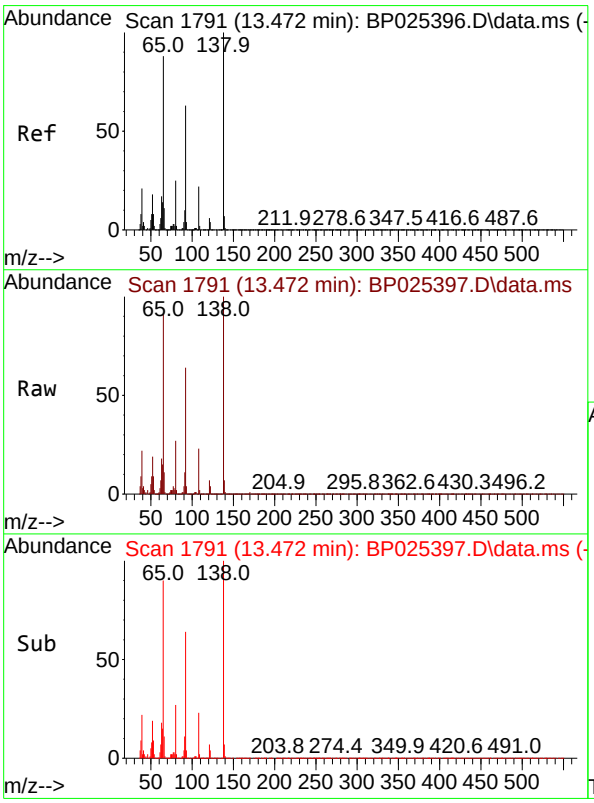
#47
2-Chloronaphthalene
Concen: 52.344 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1114922

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	33.2	26.2	39.2

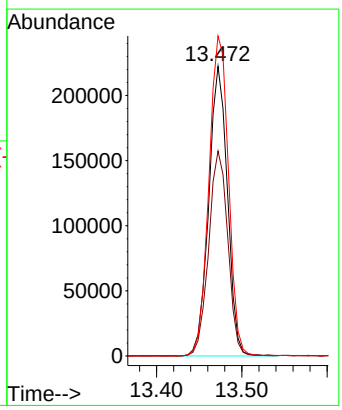


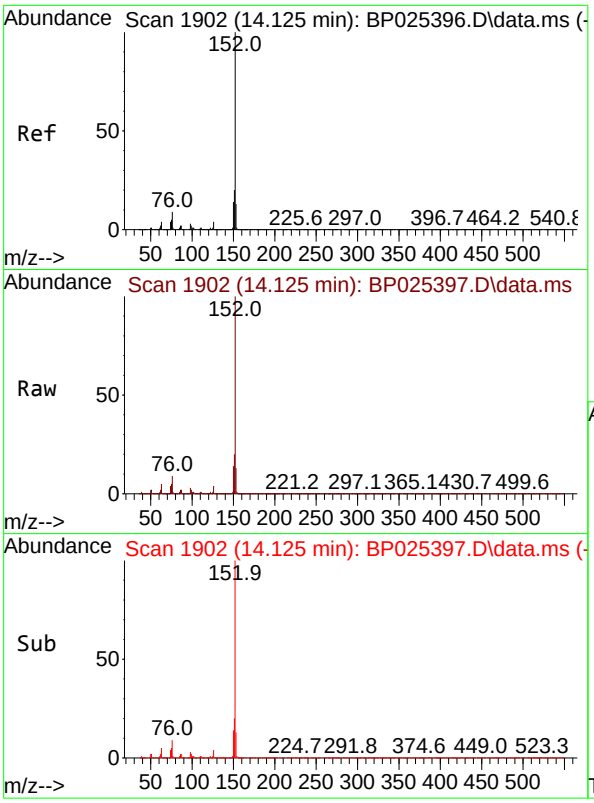


#48
2-Nitroaniline
Concen: 54.613 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion: 65 Resp: 338939

Ion	Ratio	Lower	Upper
65	100		
92	70.7	57.6	86.4
138	110.5	91.0	136.6



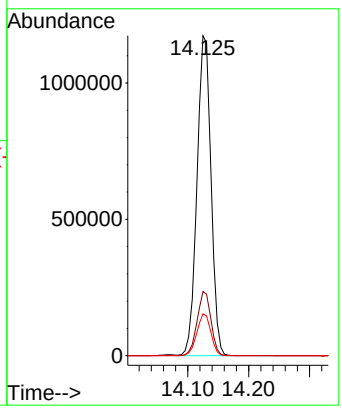


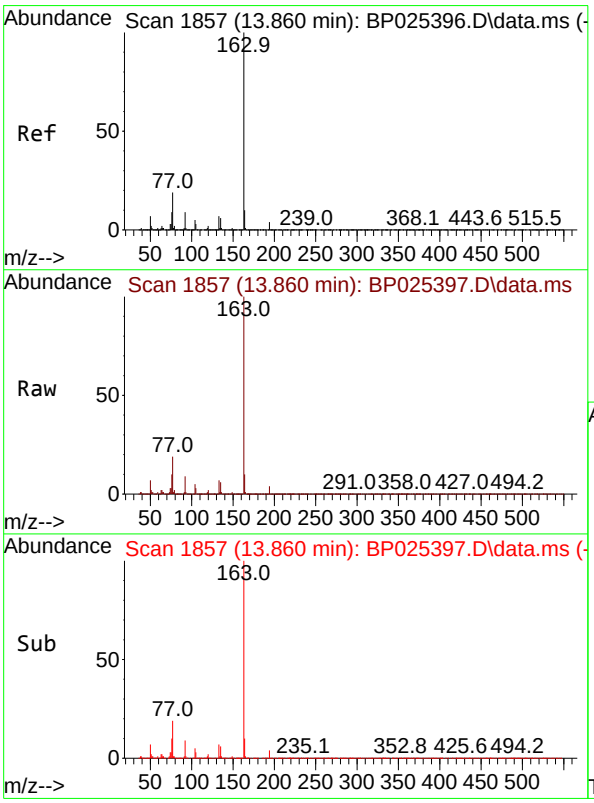
#49
Acenaphthylene
Concen: 53.227 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1875998

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8

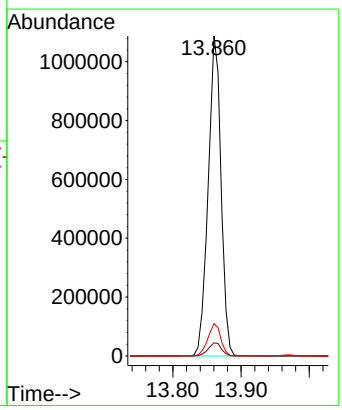


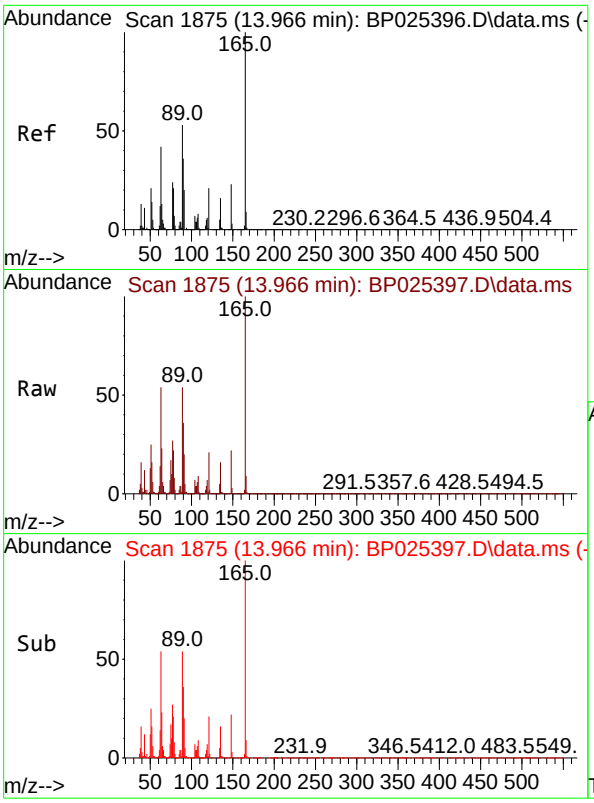


#50
Dimethylphthalate
Concen: 51.622 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:163 Resp: 1424127

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9



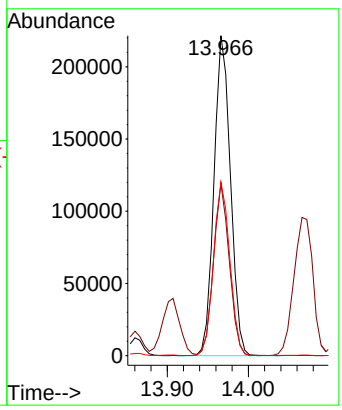


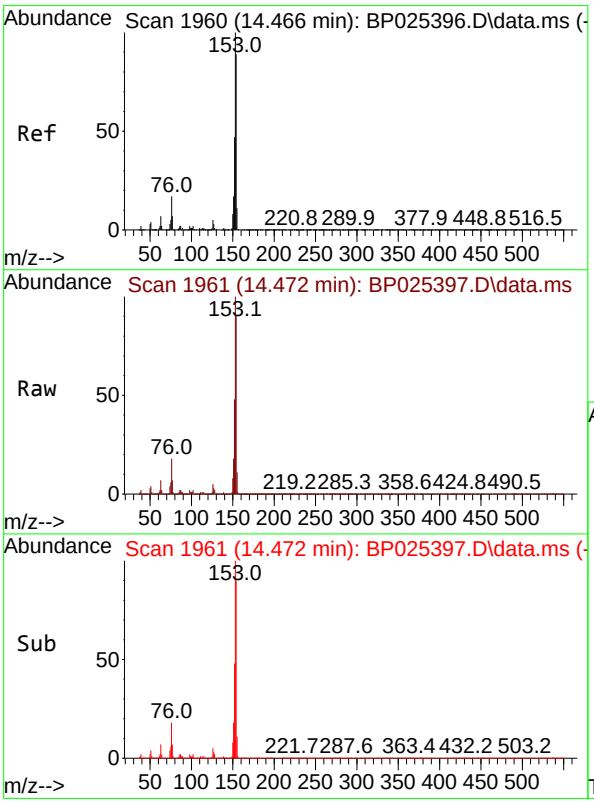
#51
2,6-Dinitrotoluene
Concen: 53.683 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 312149

Ion	Ratio	Lower	Upper
165	100		
63	53.8	40.9	61.3
89	54.2	42.1	63.1

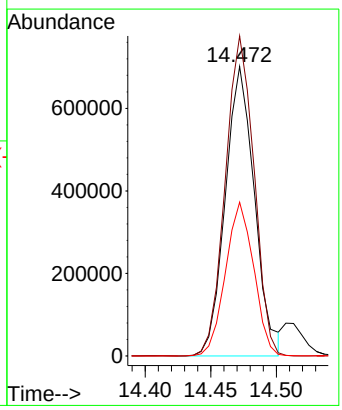


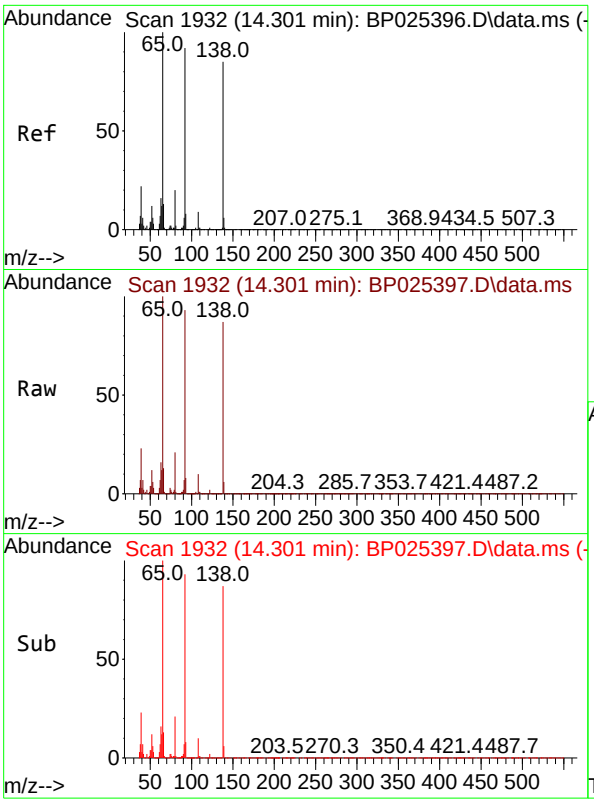


#52
Acenaphthene
Concen: 52.577 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:154 Resp: 1087721

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.2	135.2
152	53.1	42.1	63.1



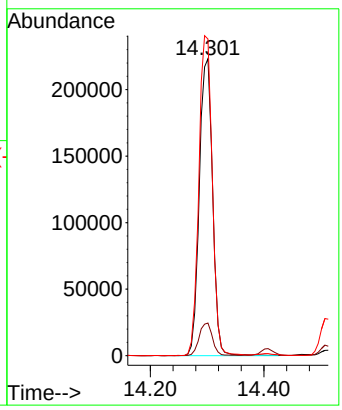


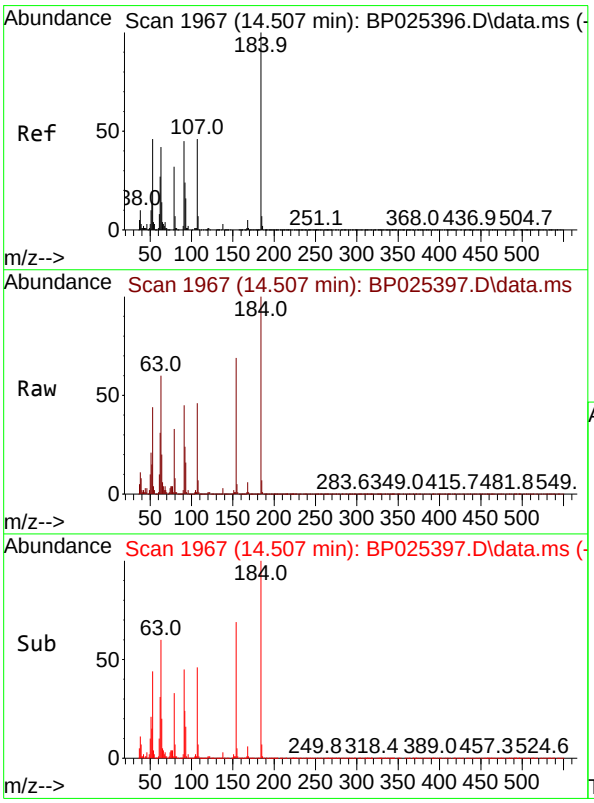
#53
3-Nitroaniline
Concen: 55.339 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 362030

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.3	12.5
92	106.6	86.2	129.2

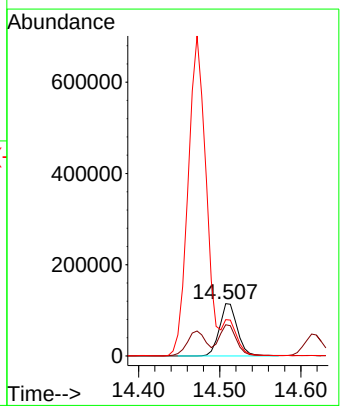


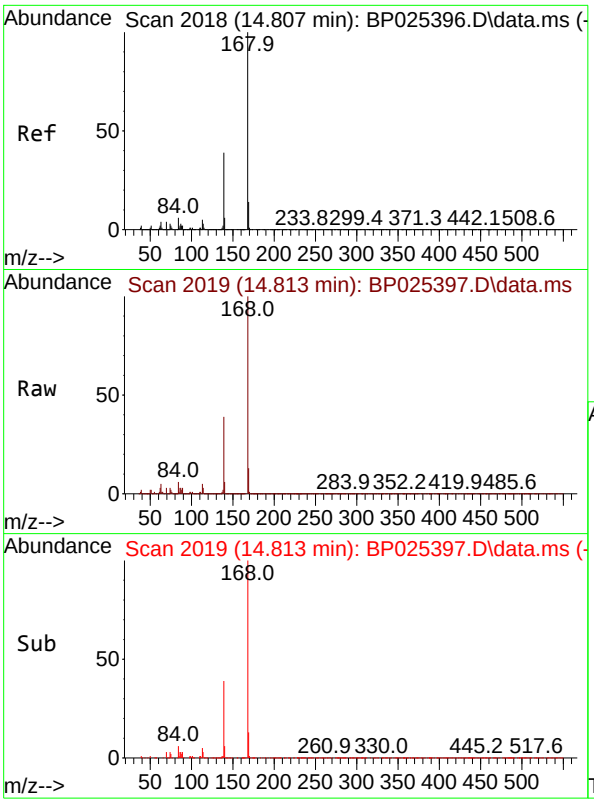


#54
2,4-Dinitrophenol
Concen: 56.503 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:184 Resp: 175453

Ion	Ratio	Lower	Upper
184	100		
63	59.7	49.4	74.2
154	69.4	54.6	82.0



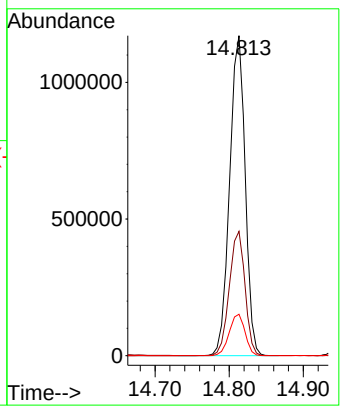


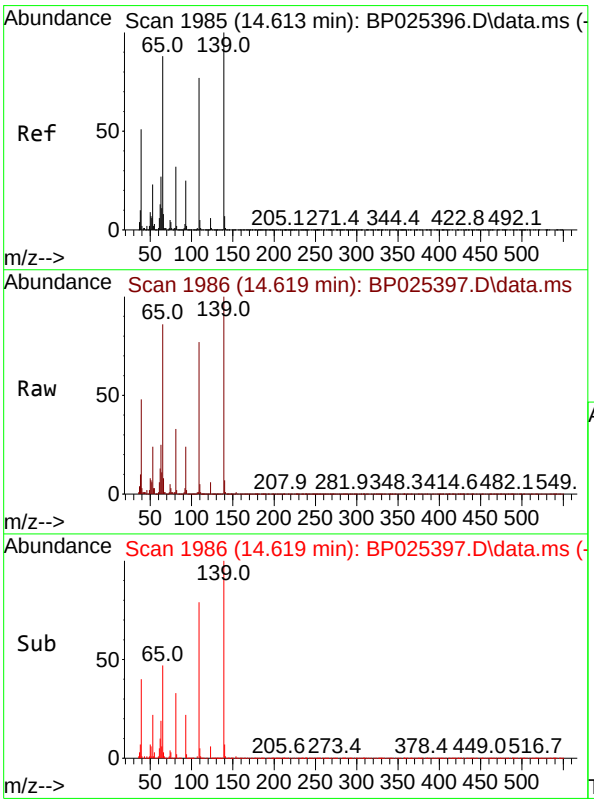
#55
Dibenzofuran
Concen: 52.147 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1705630

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.5	47.3
169	13.0	10.9	16.3

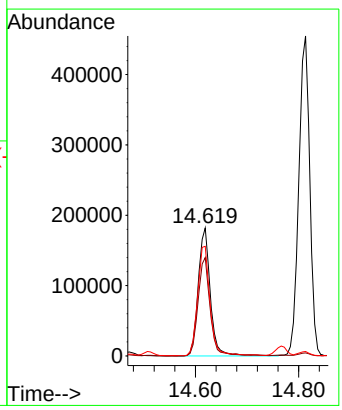


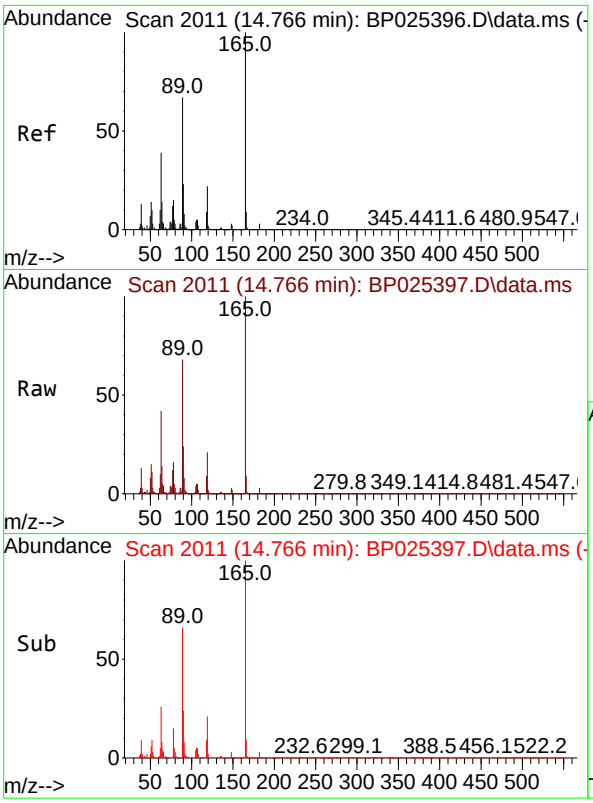


#56
4-Nitrophenol
Concen: 55.103 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:139 Resp: 296227

Ion	Ratio	Lower	Upper
139	100		
109	76.8	56.6	96.6
65	85.5	68.2	108.2



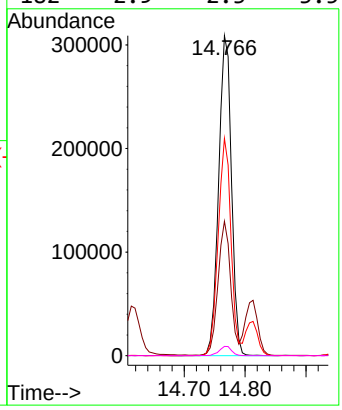


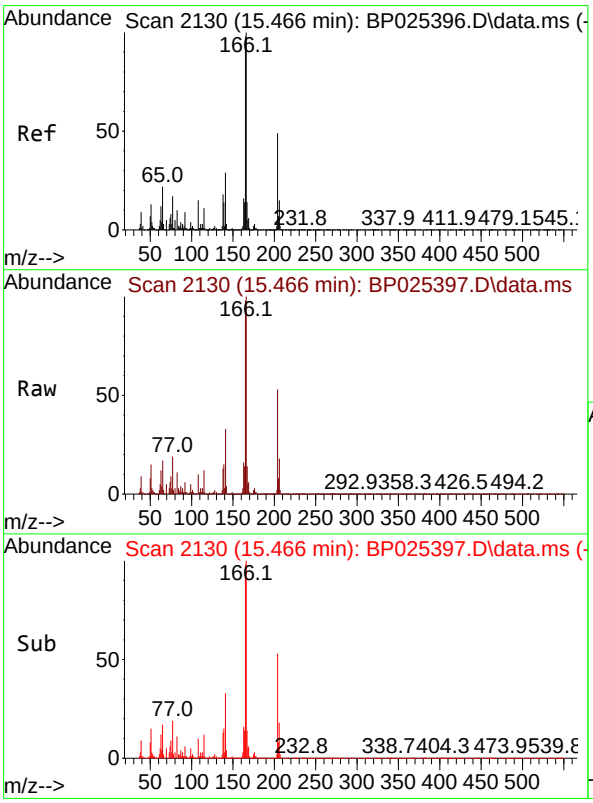
#57
2,4-Dinitrotoluene
Concen: 54.354 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 450923

Ion	Ratio	Lower	Upper
165	100		
63	42.0	31.4	47.2
89	67.9	53.3	79.9
182	2.9	2.3	3.5

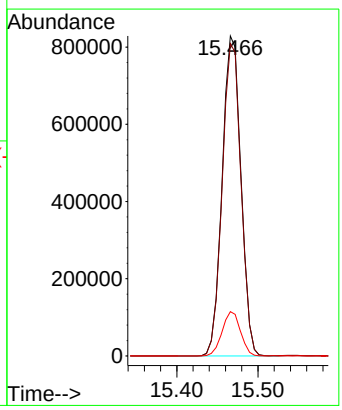


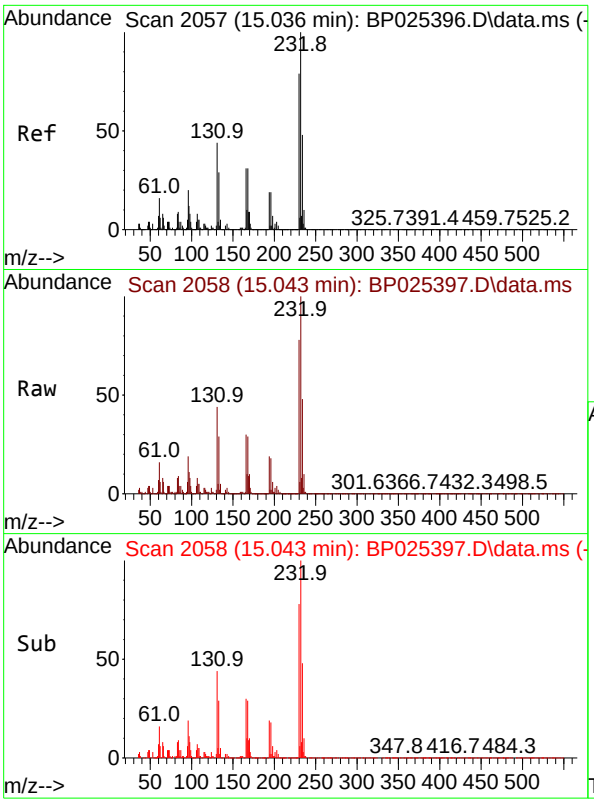


#58
Fluorene
Concen: 51.627 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:166 Resp: 1332448

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.9	11.0	16.4



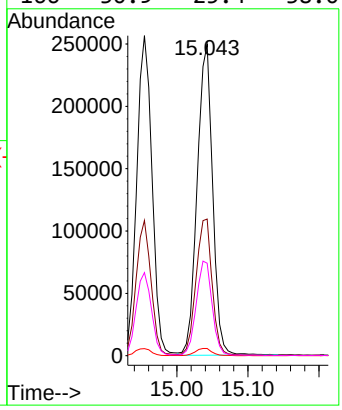


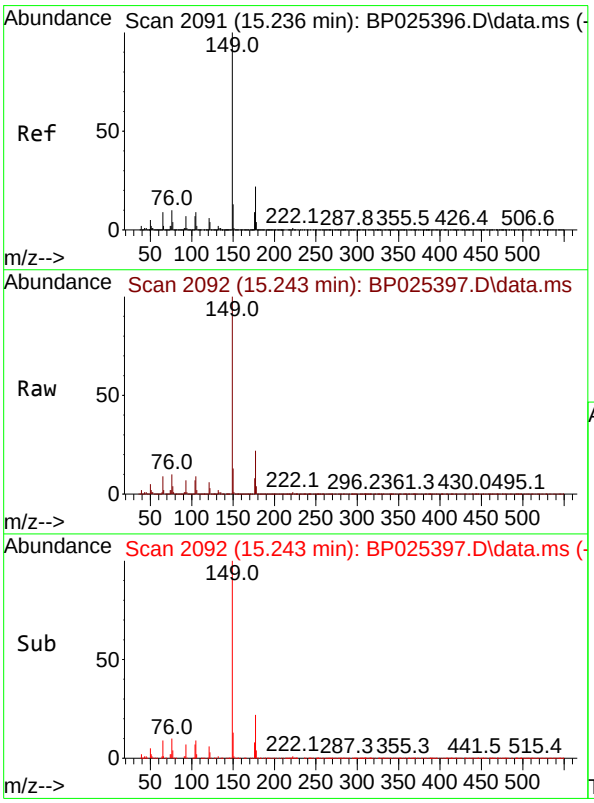
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.281 ng
RT: 15.043 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 378743

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.0	55.6
130	2.5	1.9	2.9
166	30.9	25.4	38.0

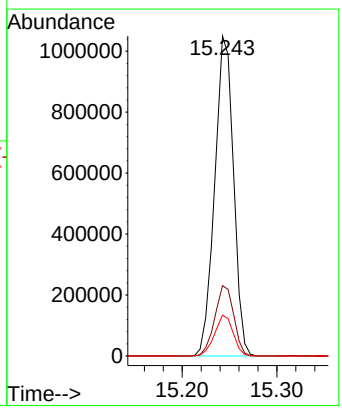


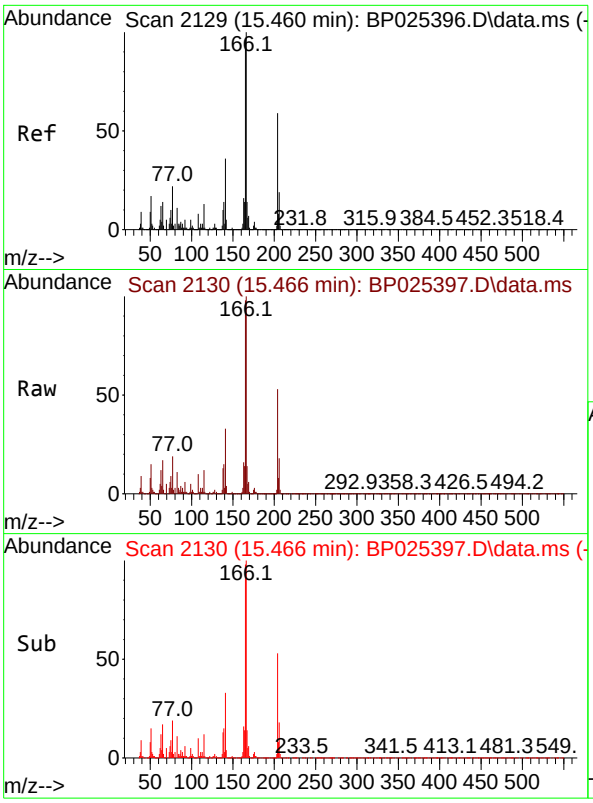


#60
Diethylphthalate
Concen: 51.728 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1450033

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5



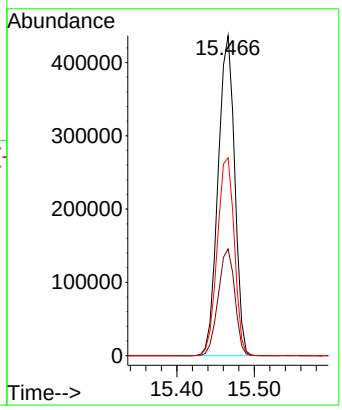


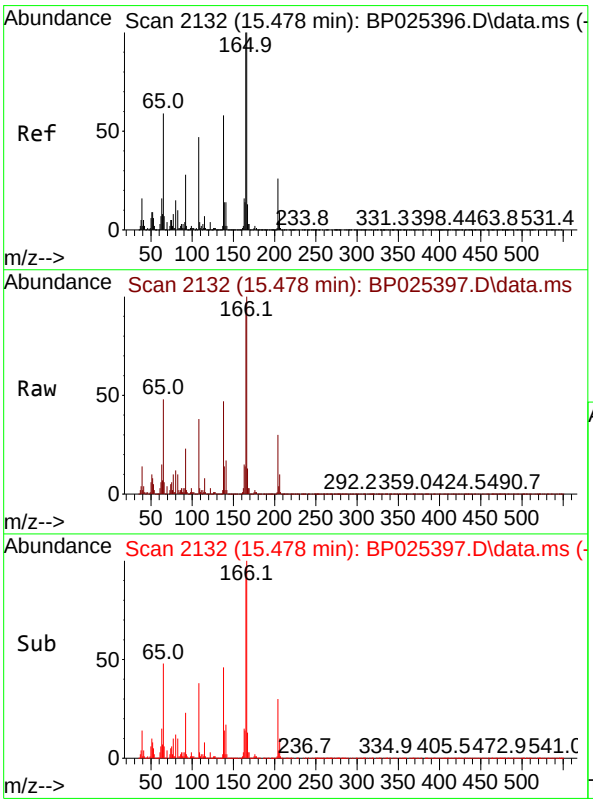
#61
4-Chlorophenyl-phenylether
Concen: 50.647 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 650101

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.8
141	61.8	49.4	74.2

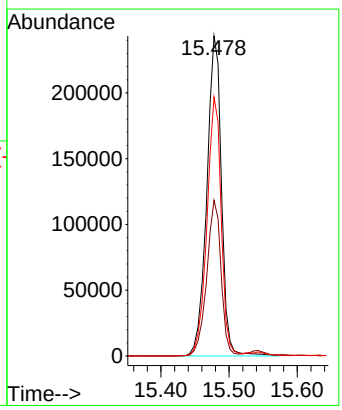


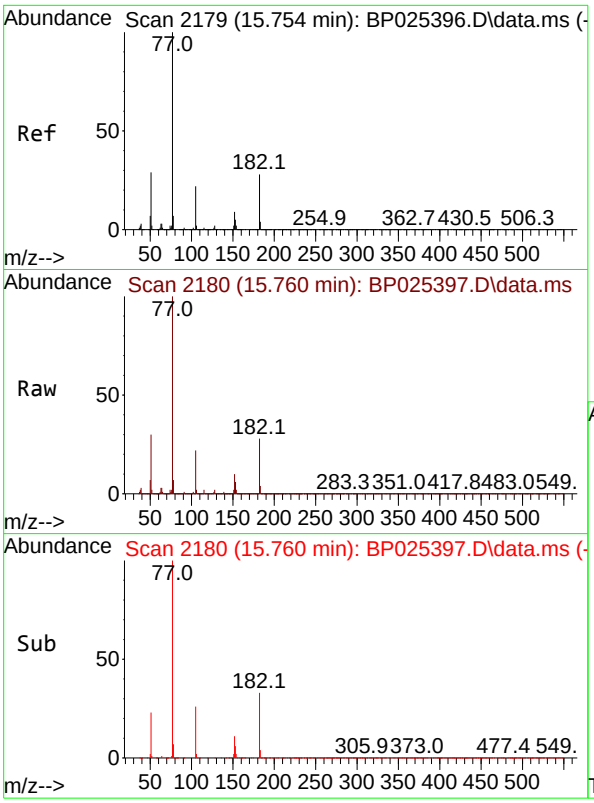


#62
4-Nitroaniline
Concen: 54.278 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:138 Resp: 364030

Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.1	69.1
108	80.9	61.5	101.5



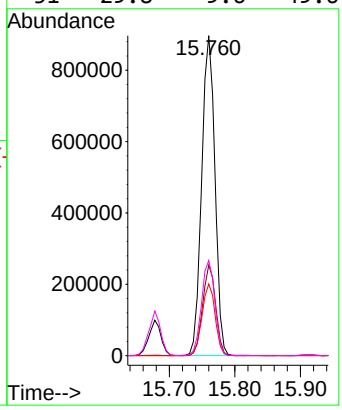


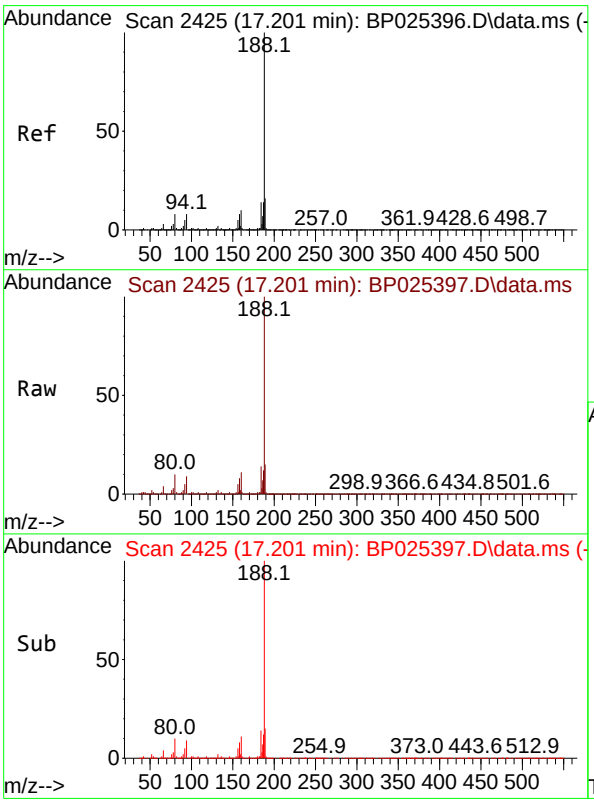
#63
Azobenzene
Concen: 52.602 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1262576

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.4	2.1	42.1
51	29.8	9.6	49.6

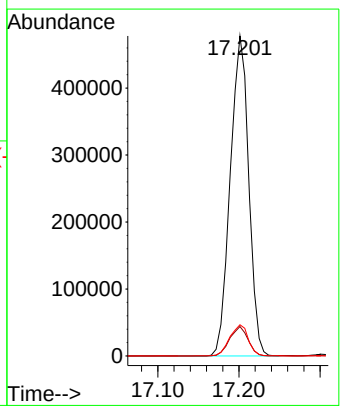


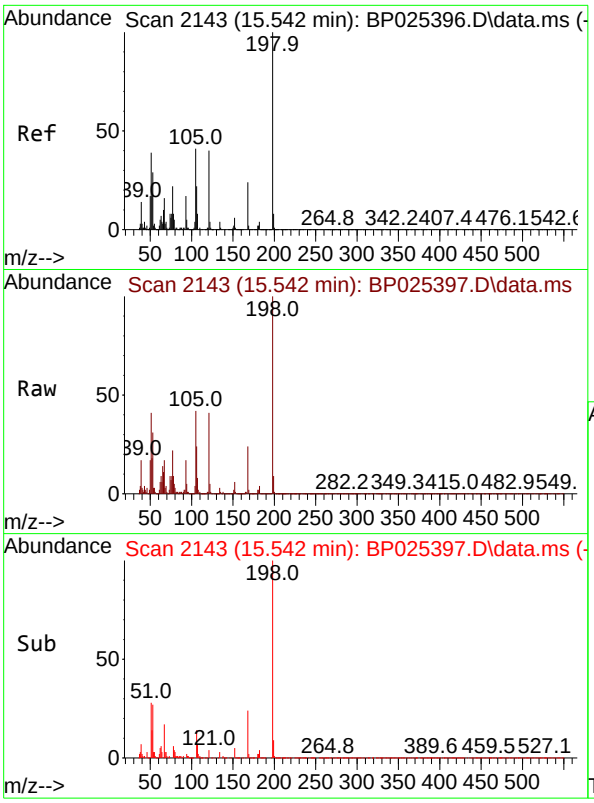


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:188 Resp: 753705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1



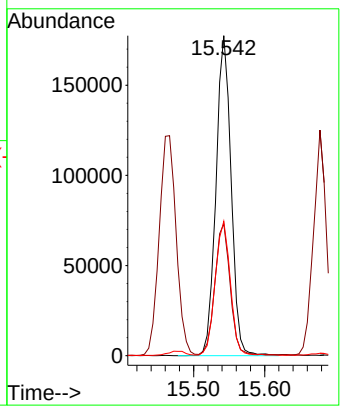


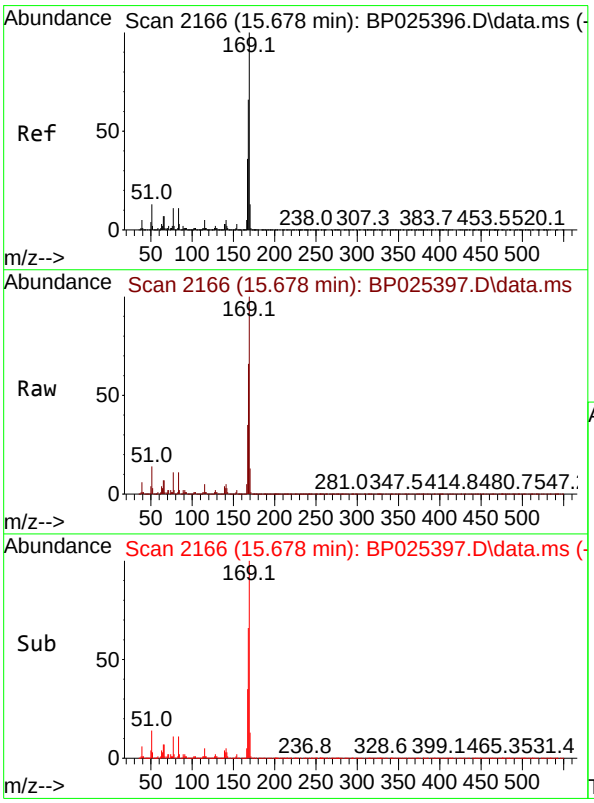
#65
4,6-Dinitro-2-methylphenol
Concen: 55.792 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 262126

Ion	Ratio	Lower	Upper
198	100		
51	41.2	19.6	59.6
105	42.0	20.9	60.9

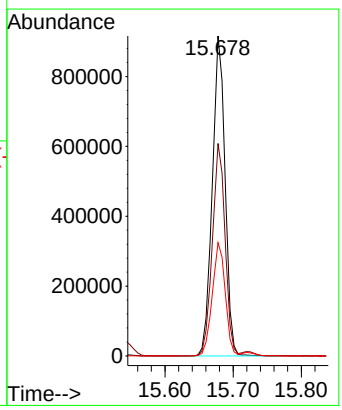


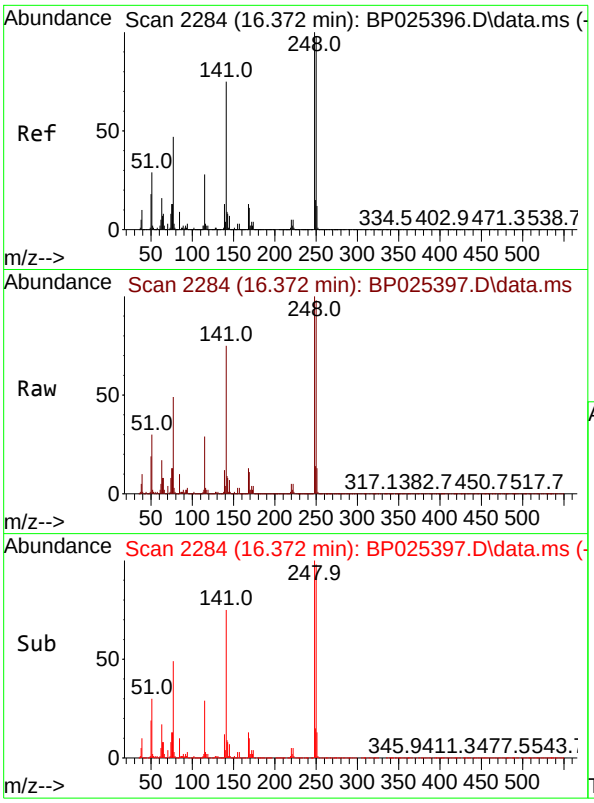


#66
n-Nitrosodiphenylamine
Concen: 51.997 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:169 Resp: 1195077

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	35.4	28.7	43.1



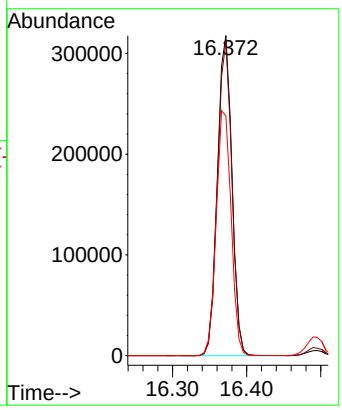


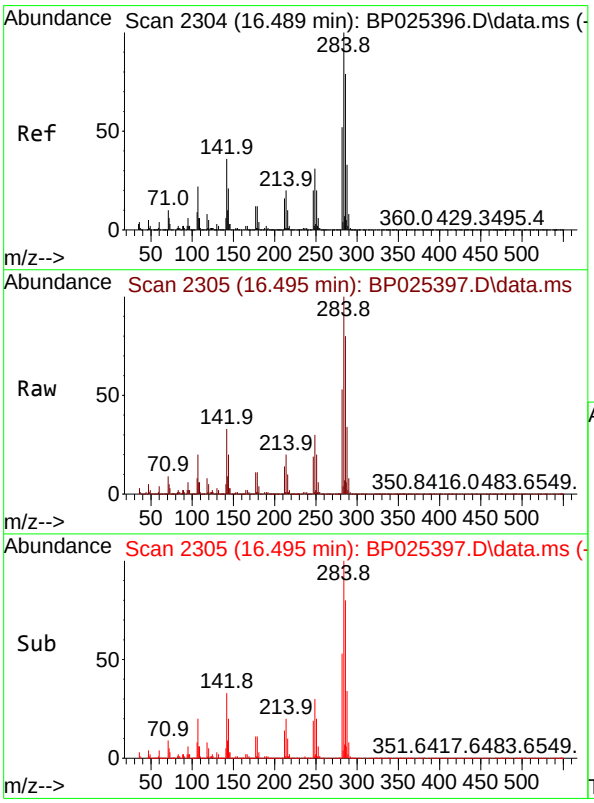
#67
4-Bromophenyl-phenylether
Concen: 52.325 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 433740

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.2
141	75.0	59.6	89.4

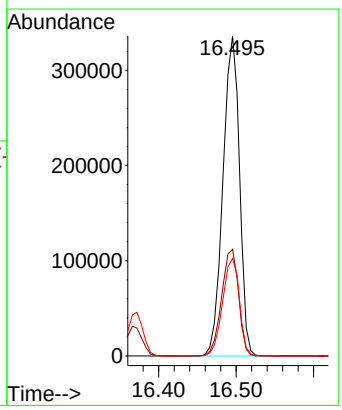


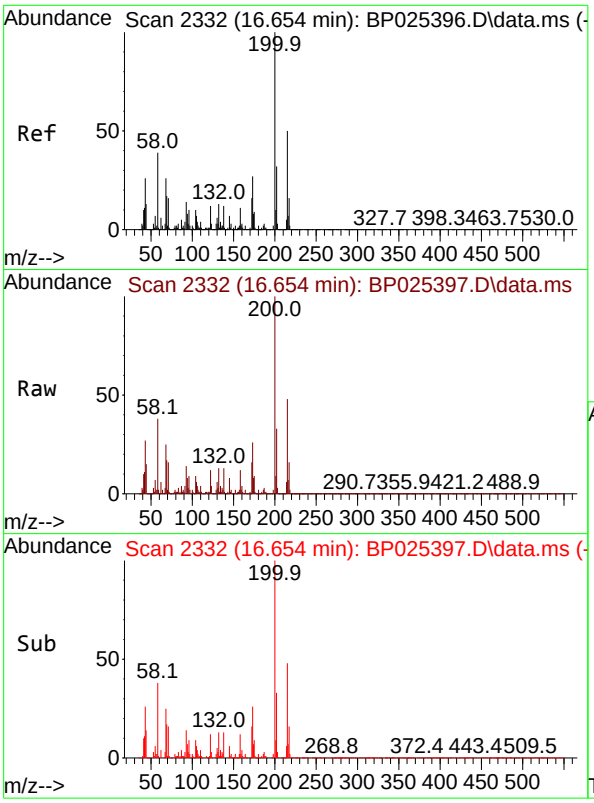


#68
Hexachlorobenzene
Concen: 51.816 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:284 Resp: 497906

Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	30.5	25.0	37.4



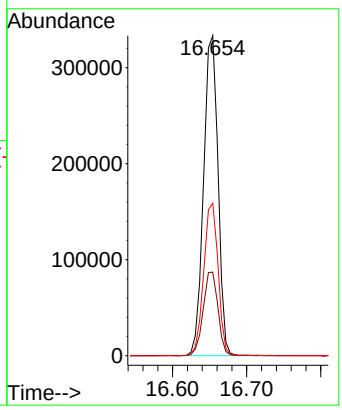


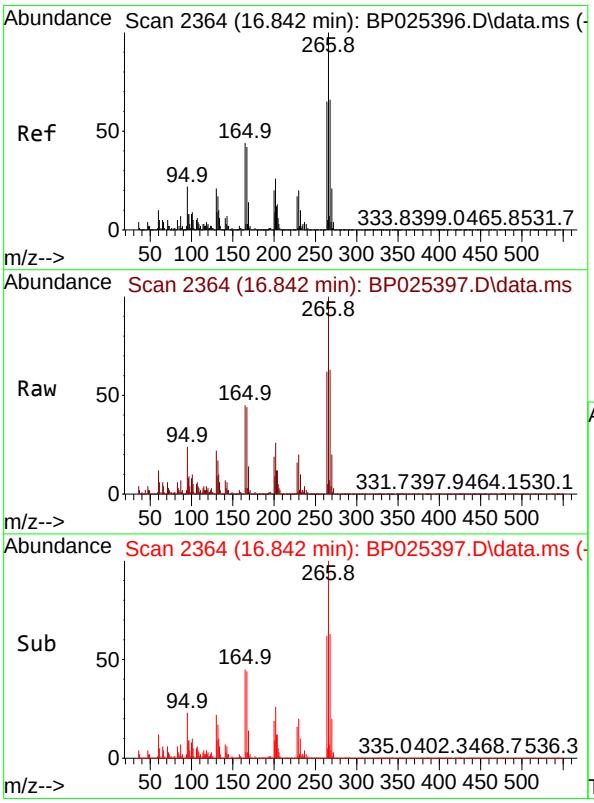
#69
Atrazine
Concen: 52.479 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 451704

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	47.7	29.7	69.7

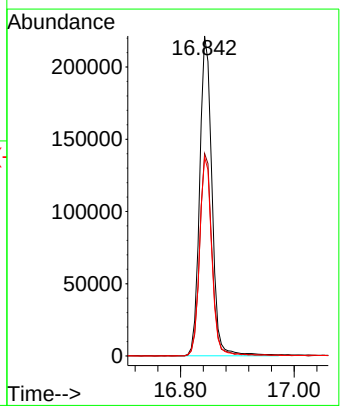


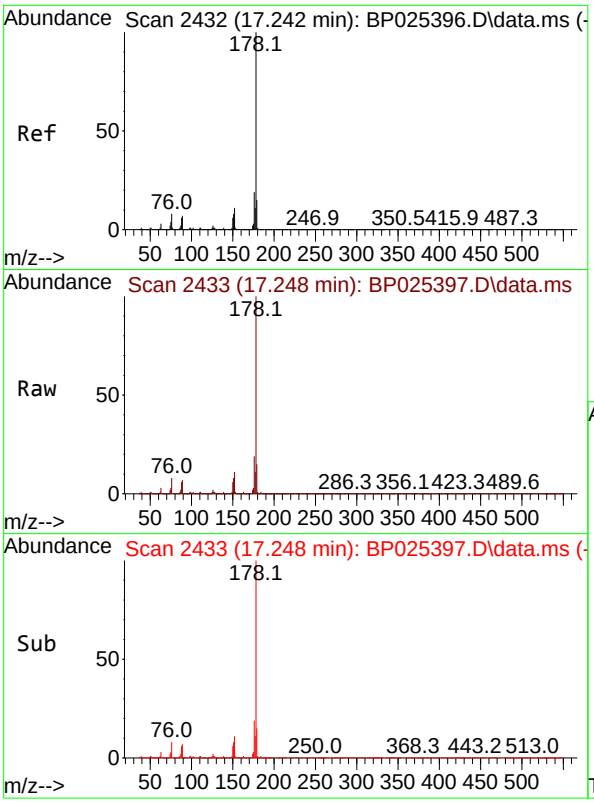


#70
Pentachlorophenol
Concen: 54.872 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:266 Resp: 332839

Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.6	79.0
264	62.1	52.0	78.0



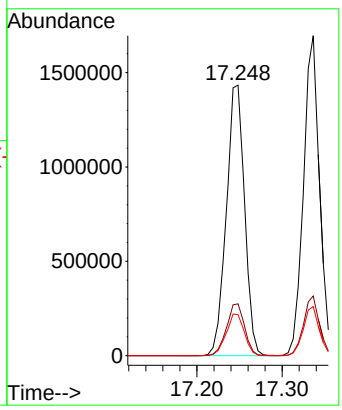


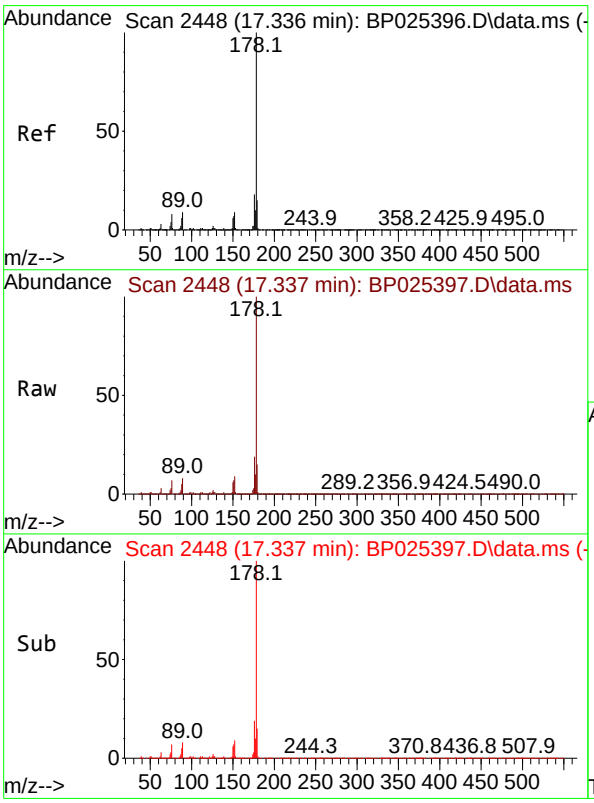
#71
Phenanthrene
Concen: 51.673 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2139431

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.2	18.4

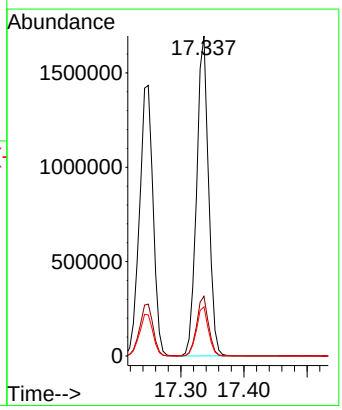


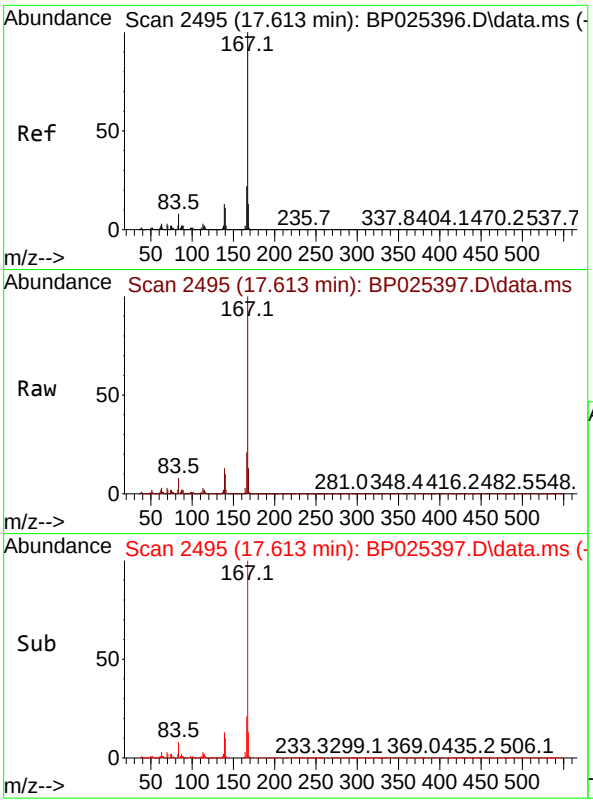


#72
Anthracene
Concen: 52.385 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:178 Resp: 2214911

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2



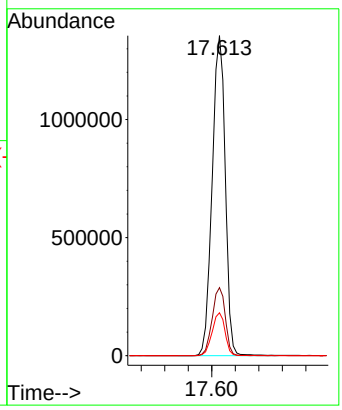


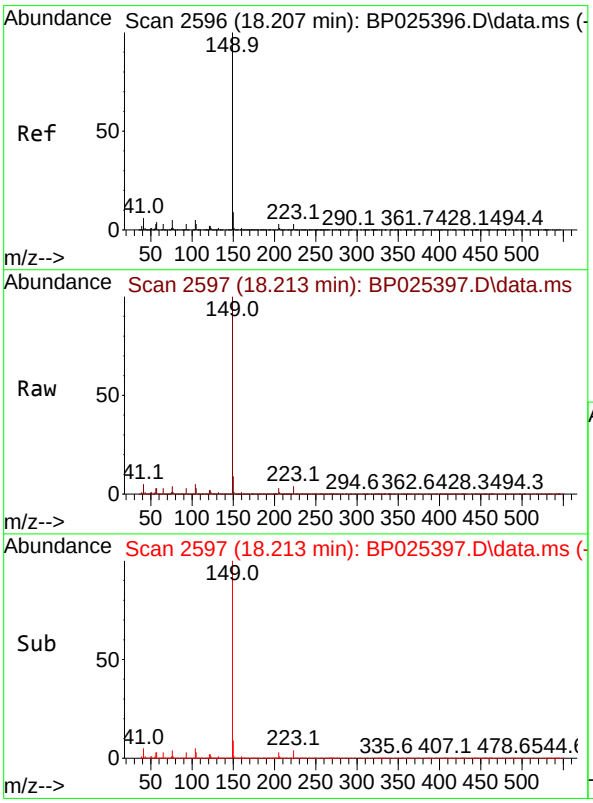
#73
Carbazole
Concen: 52.559 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2093175

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.4	10.6	16.0

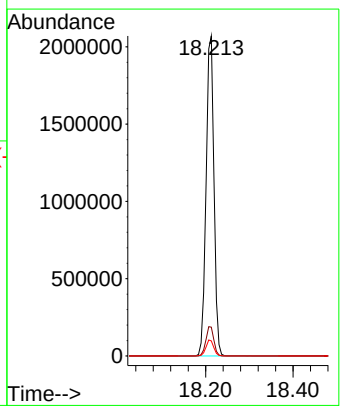


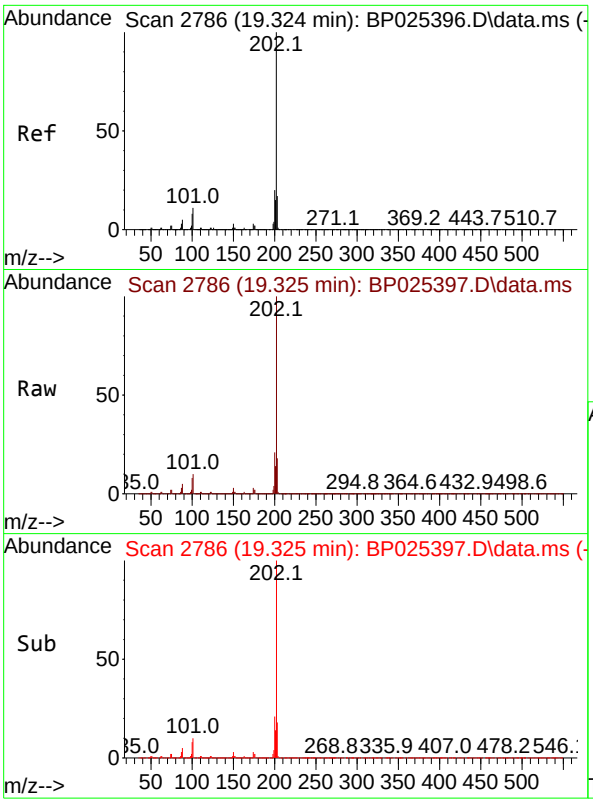


#74
Di-n-butylphthalate
Concen: 52.849 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 2589522

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.7	4.2	6.2



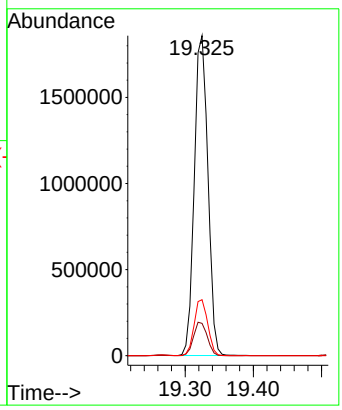


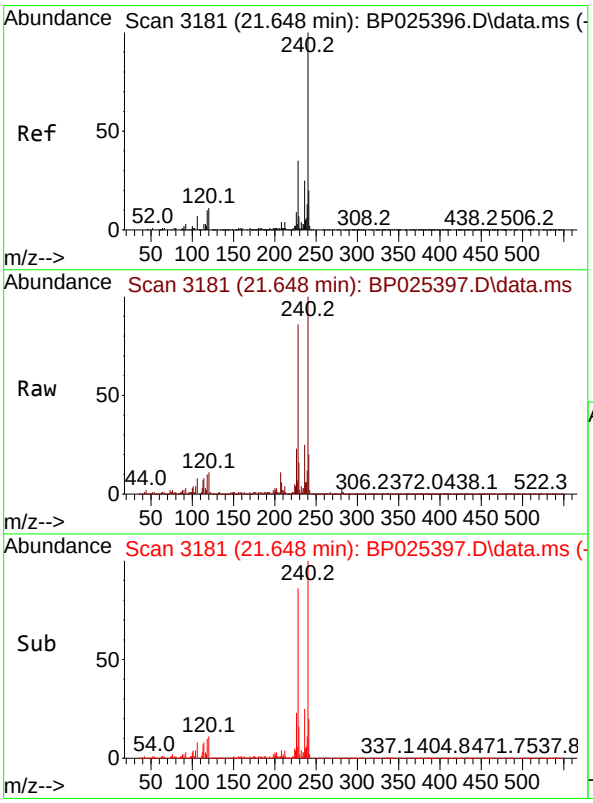
#75
Fluoranthene
Concen: 51.910 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2563702

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.1
203	17.5	0.0	37.3

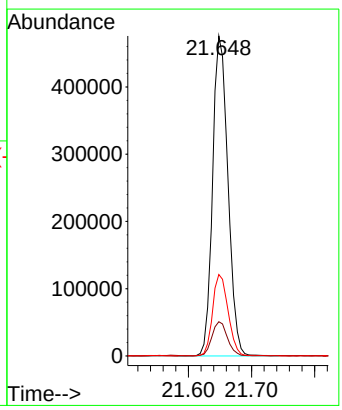


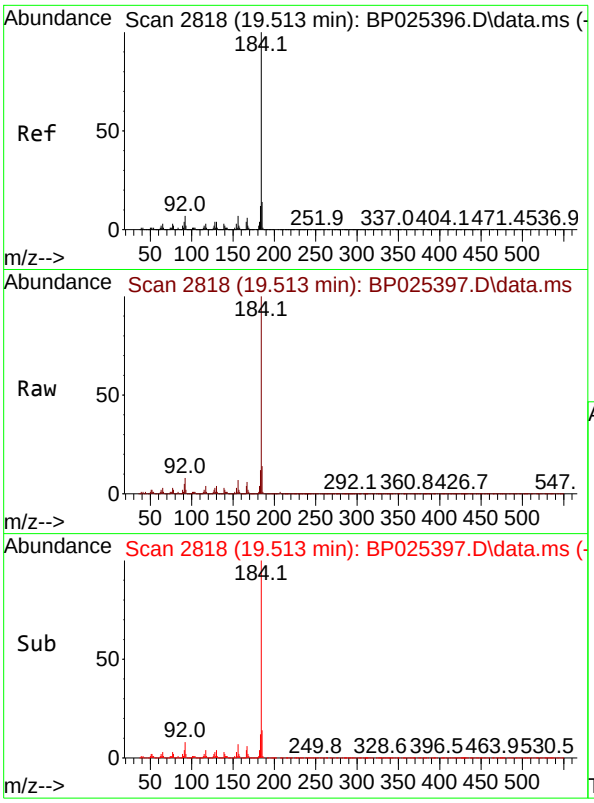


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:240 Resp: 801742

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.5	19.8	29.8



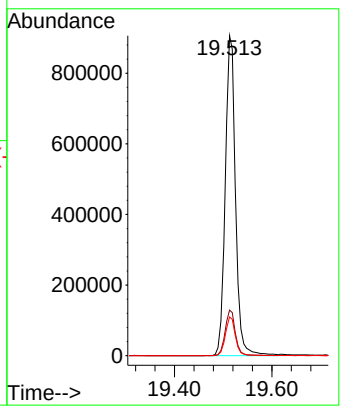


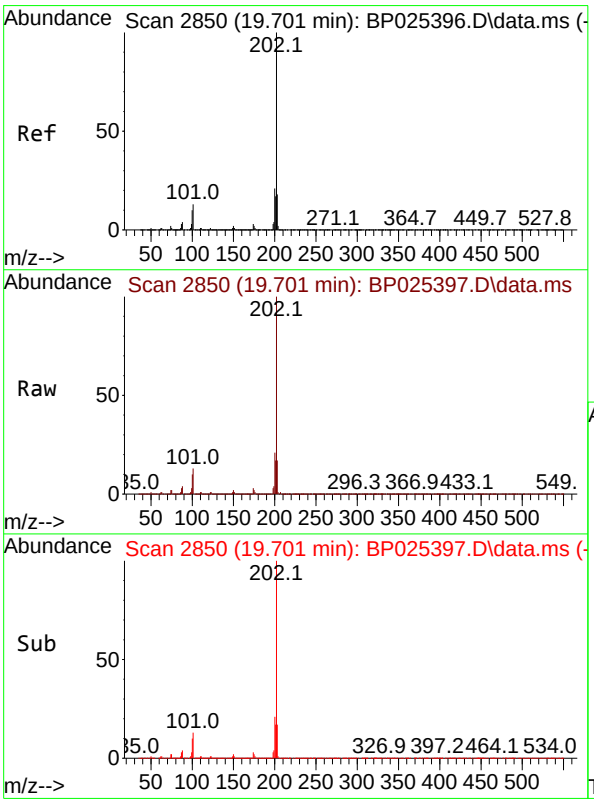
#77
Benzidine
Concen: 48.615 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1330198

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	12.1	9.4	14.2

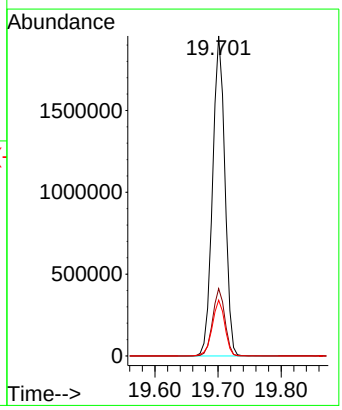


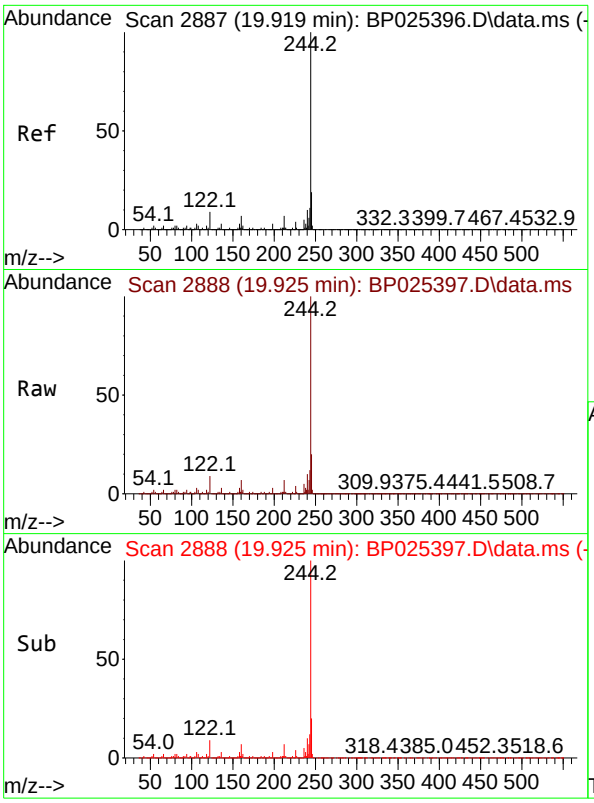


#78
Pyrene
Concen: 50.754 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:202 Resp: 2644850

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.4	14.2	21.2



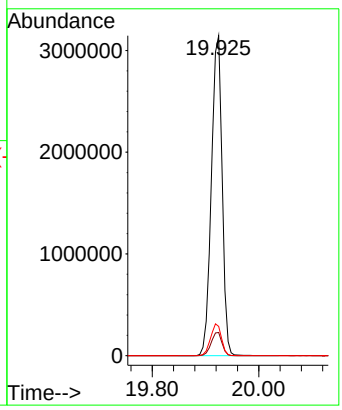


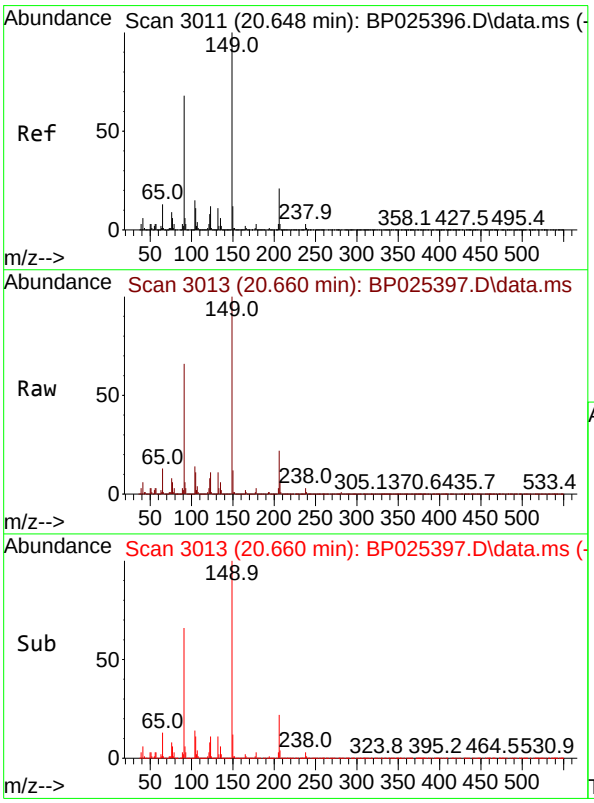
#79
Terphenyl-d14
Concen: 100.615 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 4409094

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.2	7.4	11.2

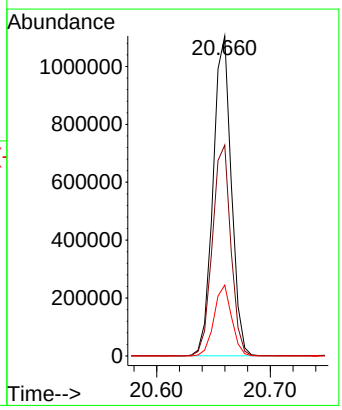


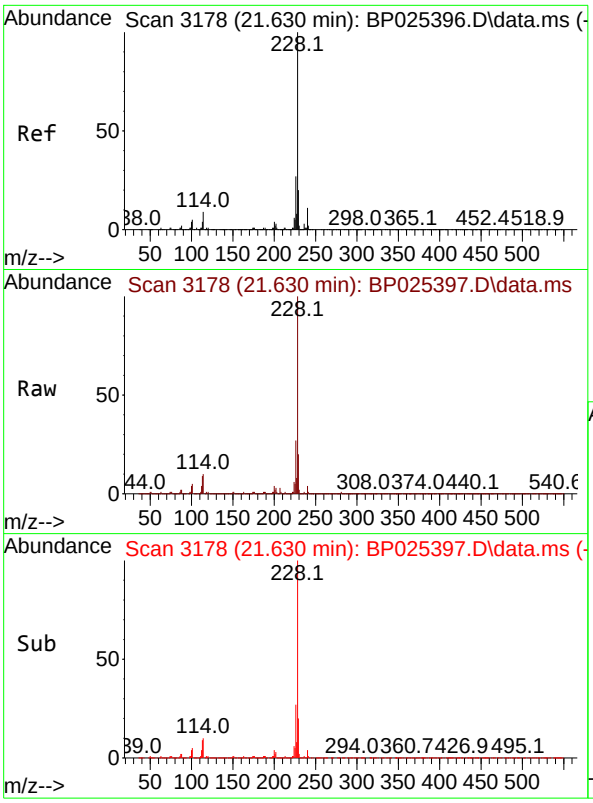


#80
Butylbenzylphthalate
Concen: 52.139 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1231376

Ion	Ratio	Lower	Upper
149	100		
91	65.9	54.2	81.2
206	22.2	16.6	24.8



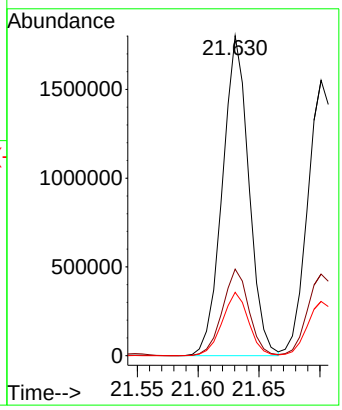


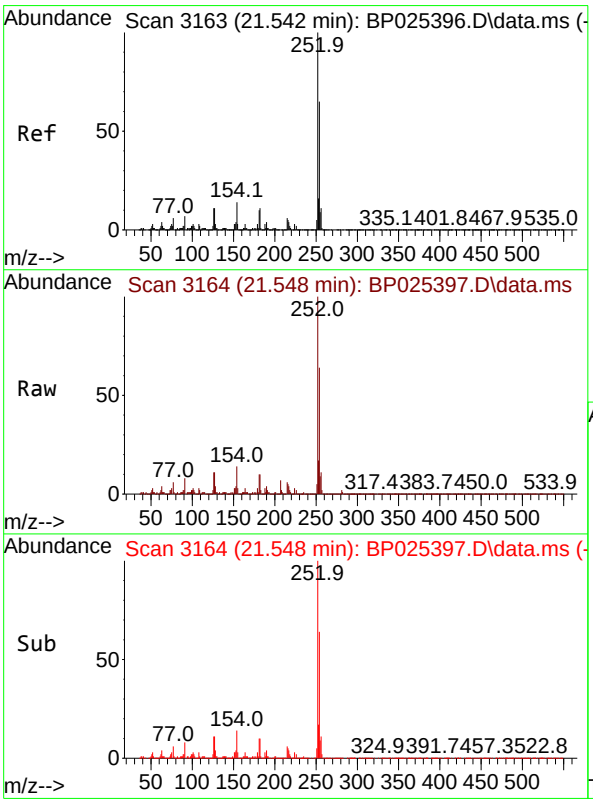
#81
Benzo(a)anthracene
Concen: 51.499 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2723006

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.8	15.6	23.4

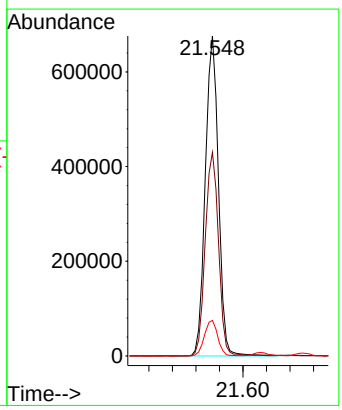


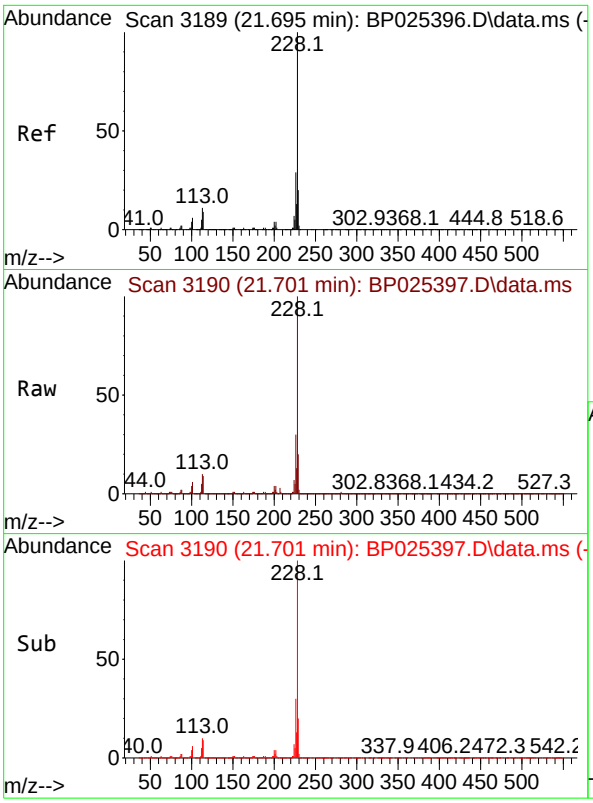


#82
3,3'-Dichlorobenzidine
Concen: 52.357 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 1043476

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.8	77.6
126	11.1	9.1	13.7



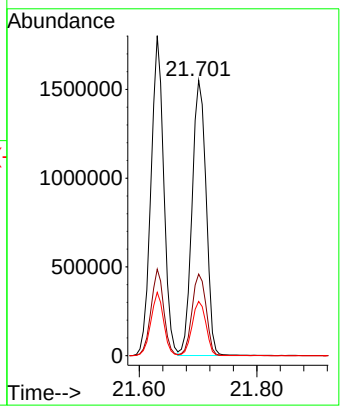


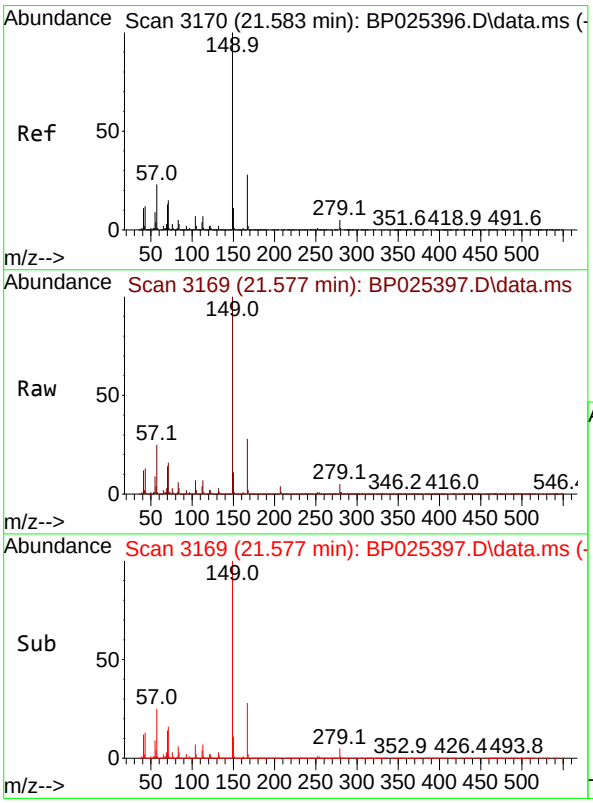
#83
Chrysene
Concen: 51.817 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 2565856

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	19.7	15.6	23.4

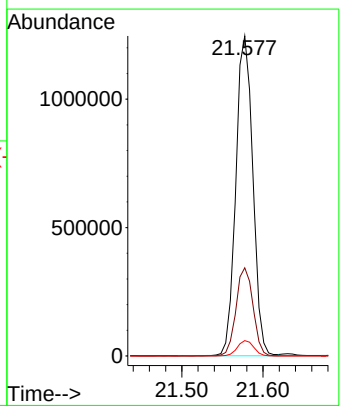


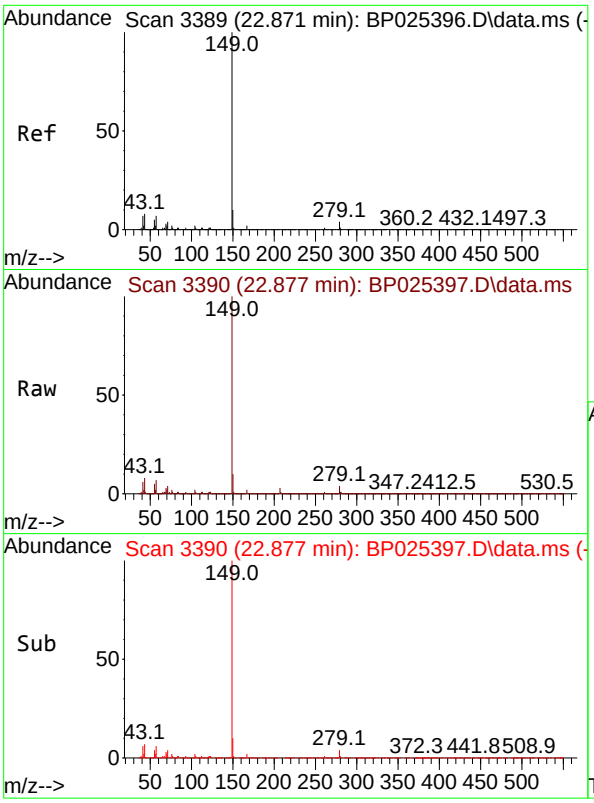


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.933 ng
RT: 21.577 min Scan# 3169
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:149 Resp: 1805478

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.8	3.8	5.6



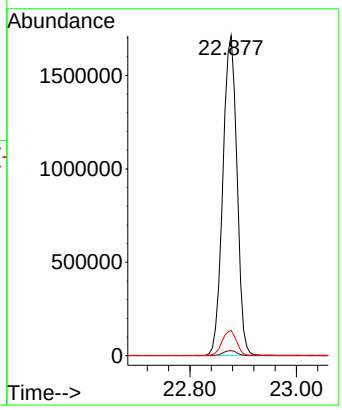


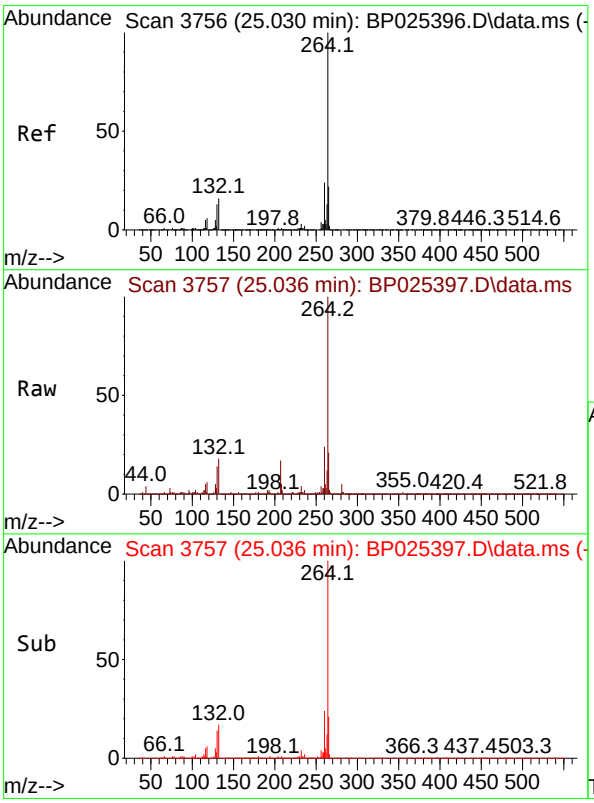
#85
Di-n-octyl phthalate
Concen: 52.690 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 3150824

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

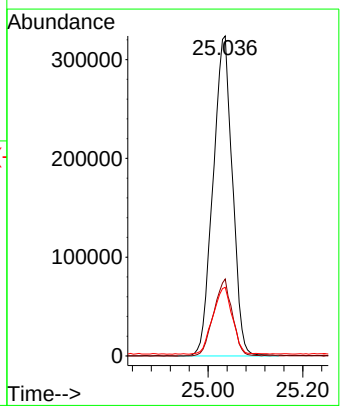


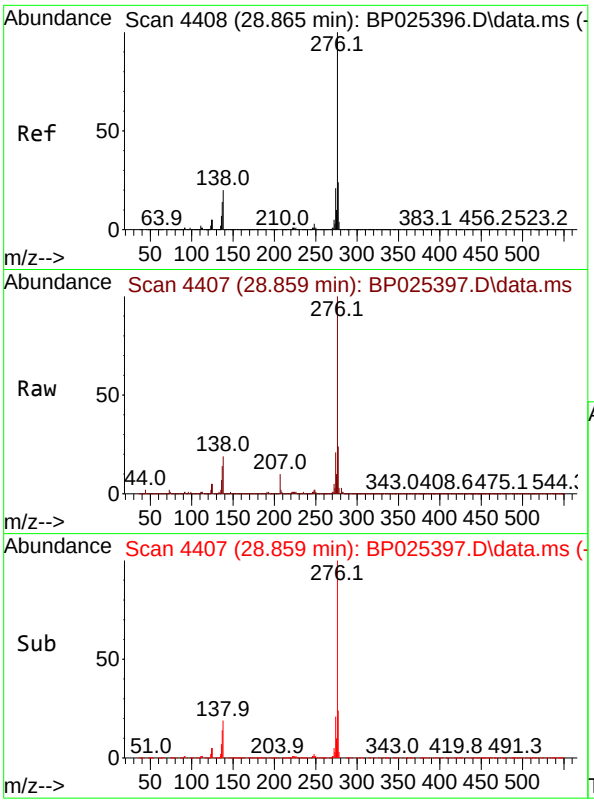


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.036 min Scan# 3757
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:264 Resp: 918939

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.5	17.4	26.0



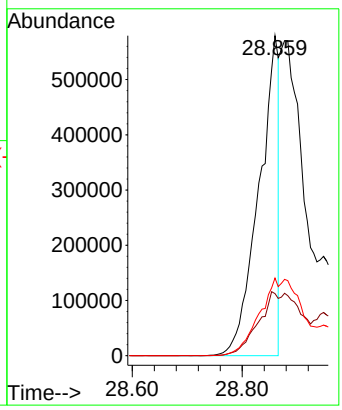


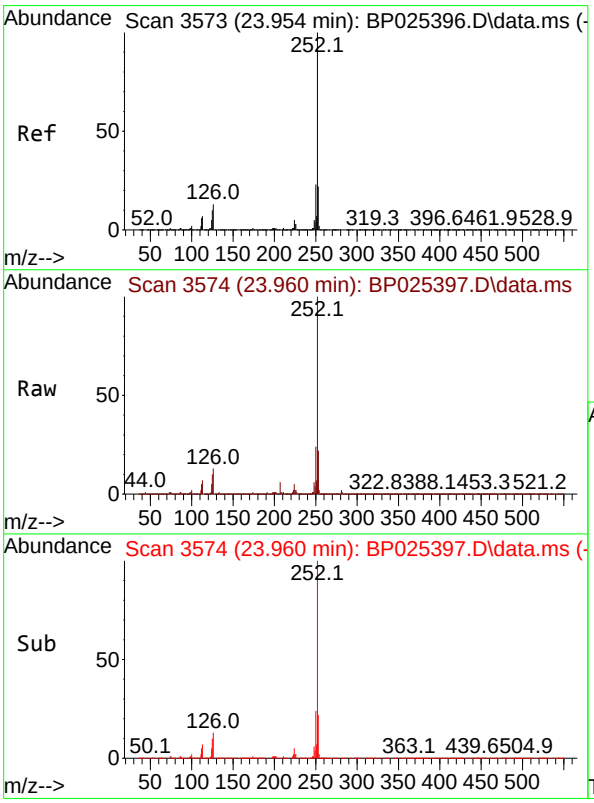
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.464 ng
RT: 28.859 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1446981

Ion	Ratio	Lower	Upper
276	100		
138	20.6	12.9	19.3#
277	24.2	17.0	25.6

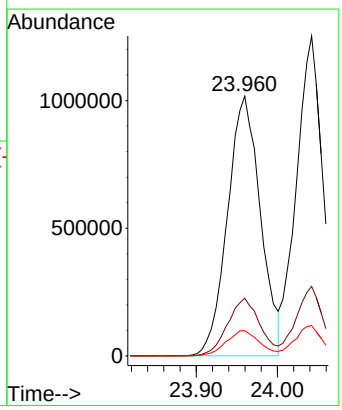


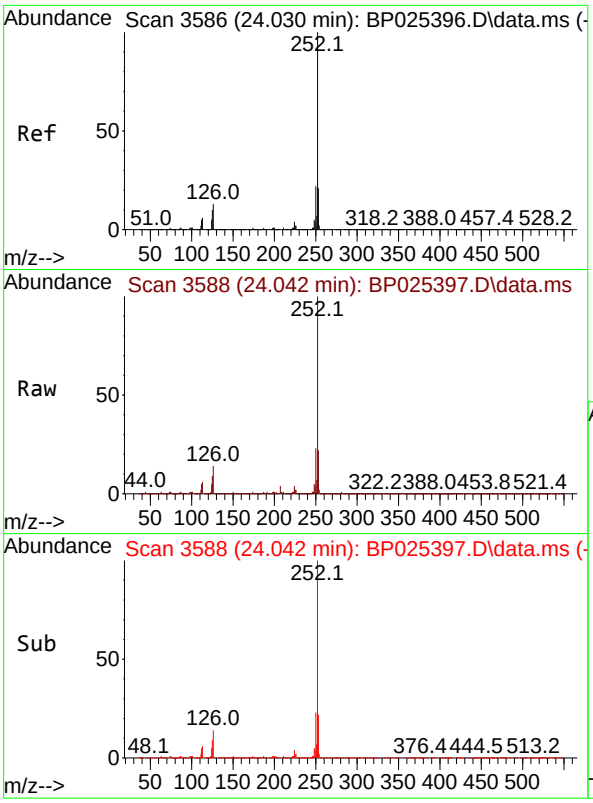


#88
Benzo(b)fluoranthene
Concen: 52.982 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2870971

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.8	7.9	11.9



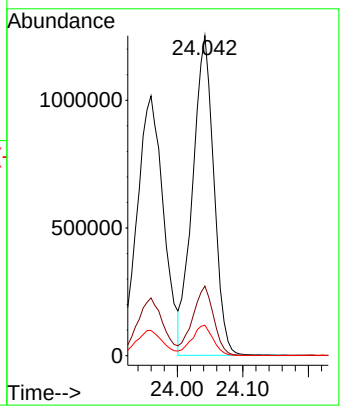


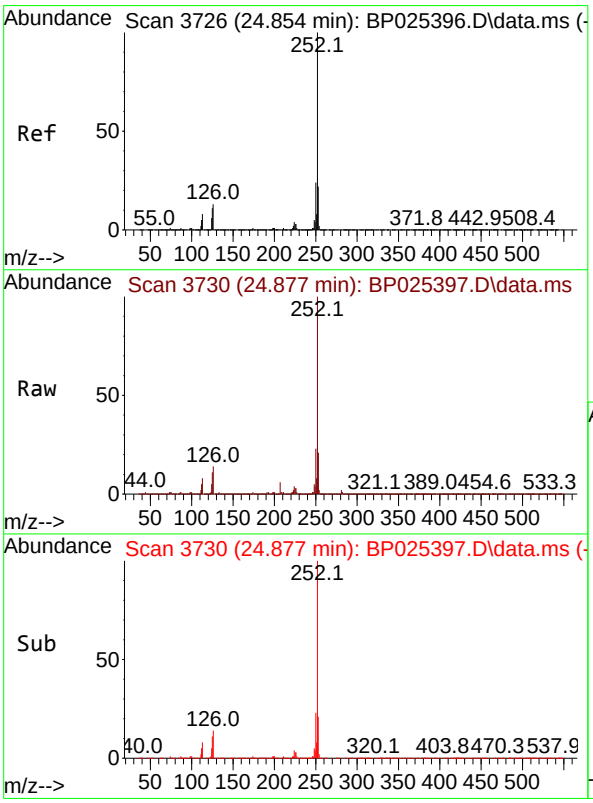
#89
Benzo(k)fluoranthene
Concen: 51.956 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 2817276

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6

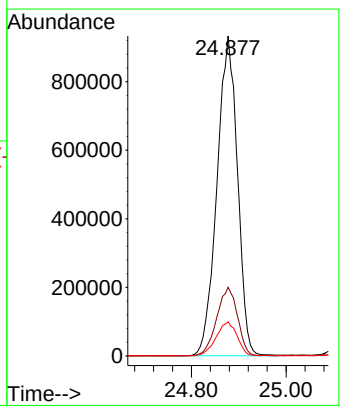


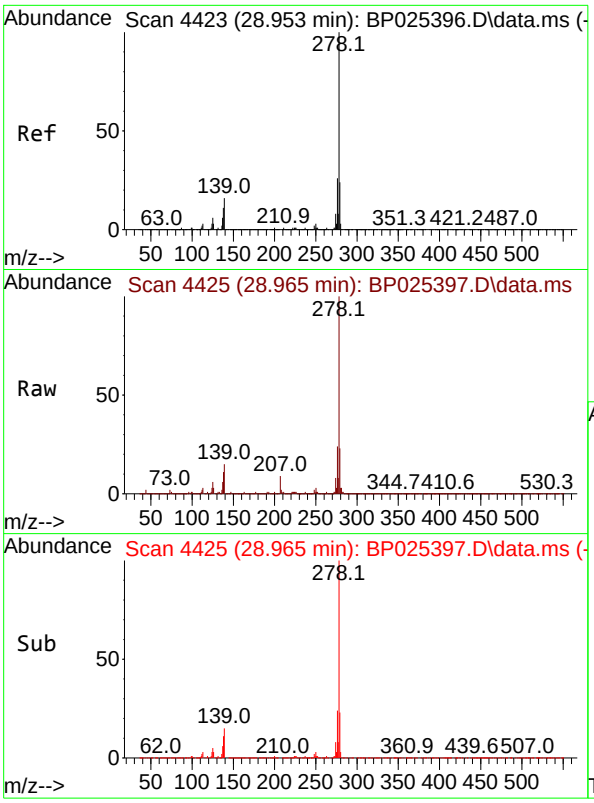


#90
Benzo(a)pyrene
Concen: 53.100 ng
RT: 24.877 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:252 Resp: 2800880

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.7	8.7	13.1



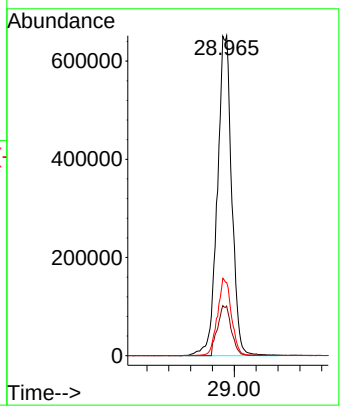


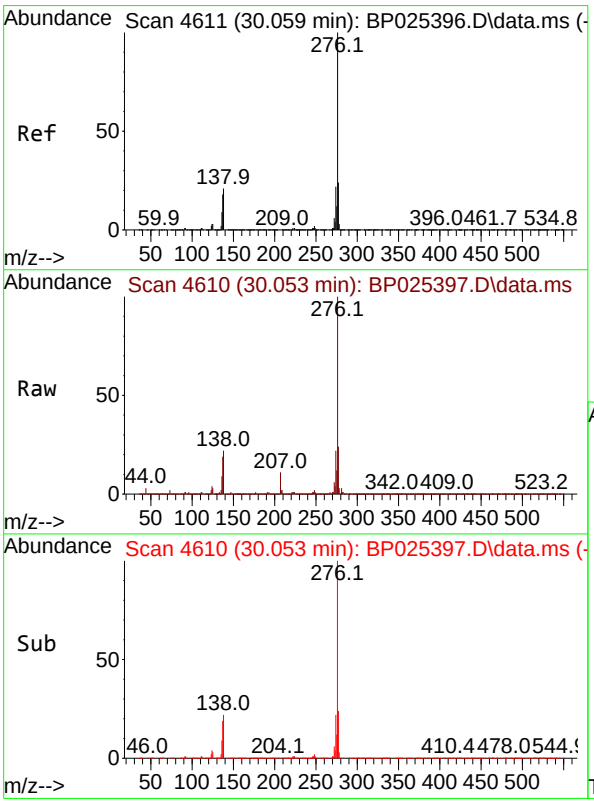
#91
Dibenzo(a,h)anthracene
Concen: 53.795 ng
RT: 28.965 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 2962622

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.0	19.4
279	22.9	19.4	29.2

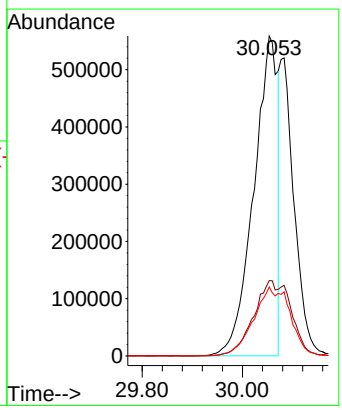




#92
Benzo(g,h,i)perylene
Concen: 34.009 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025397.D
Acq: 14 Aug 2025 16:01

Tgt Ion:276 Resp: 1840881

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	21.6	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	159148	20.000	ng	0.00
21) Naphthalene-d8	10.566	136	673018	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	436046	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	856946	20.000	ng	# 0.00
76) Chrysene-d12	21.660	240	888879	20.000	ng	0.01
86) Perylene-d12	25.030	264	1037707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1526166	159.254	ng	0.00
7) Phenol-d6	6.972	99	1989633	161.937	ng	0.00
23) Nitrobenzene-d5	8.937	82	2123522	159.609	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	936489	159.559	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	4712591	147.705	ng	0.00
79) Terphenyl-d14	19.930	244	7103816	146.217	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	291527	77.664	ng	99
3) Pyridine	3.731	79	807269	78.572	ng	97
4) n-Nitrosodimethylamine	3.637	42	344349	81.296	ng	99
6) Aniline	7.131	93	1333221	80.538	ng	100
8) 2-Chlorophenol	7.372	128	877073	81.104	ng	99
9) Benzaldehyde	6.943	77	582344	67.651	ng	98
10) Phenol	7.002	94	1040534	80.710	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	798672	79.481	ng	99
12) 1,3-Dichlorobenzene	7.684	146	950596	79.718	ng	98
13) 1,4-Dichlorobenzene	7.825	146	961421	78.882	ng	99
14) 1,2-Dichlorobenzene	8.143	146	922658	78.203	ng	99
15) Benzyl Alcohol	8.031	79	795618	81.498	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	1059824	78.732	ng	99
17) 2-Methylphenol	8.225	107	734482	82.028	ng	100
18) Hexachloroethane	8.866	117	355791	79.395	ng	94
19) n-Nitroso-di-n-propyla...	8.596	70	636387	78.102	ng	99
20) 3+4-Methylphenols	8.555	107	1005632	81.023	ng	97
22) Acetophenone	8.607	105	1314548	77.886	ng	99
24) Nitrobenzene	8.978	77	947511	79.686	ng	99
25) Isophorone	9.507	82	1829675	77.708	ng	99
26) 2-Nitrophenol	9.678	139	511806	83.872	ng	99
27) 2,4-Dimethylphenol	9.743	122	842467	80.280	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	1103640	77.542	ng	99
29) 2,4-Dichlorophenol	10.213	162	844787	81.037	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	892771	78.123	ng	98
31) Naphthalene	10.613	128	2722703	77.835	ng	99
32) Benzoic acid	9.901	122	686791	88.861	ng	99
33) 4-Chloroaniline	10.713	127	1232431	79.761	ng	100
34) Hexachlorobutadiene	10.901	225	557922	78.393	ng	99
35) Caprolactam	11.519	113	302874	79.233	ng	95
36) 4-Chloro-3-methylphenol	11.843	107	949779	79.399	ng	99
37) 2-Methylnaphthalene	12.213	142	1761325	77.372	ng	99
38) 1-Methylnaphthalene	12.437	142	1844376	76.186	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	995064	79.014	ng	100
41) Hexachlorocyclopentadiene	12.572	237	668771	87.916	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	706484	83.096	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	762861	81.870	ng	99
46) 1,1'-Biphenyl	13.231	154	2453536	77.476	ng	99
47) 2-Chloronaphthalene	13.272	162	1918120	77.804	ng	100
48) 2-Nitroaniline	13.472	65	594696	82.788	ng	96
49) Acenaphthylene	14.125	152	3194918	78.318	ng	100
50) Dimethylphthalate	13.860	163	2446951	76.632	ng	99
51) 2,6-Dinitrotoluene	13.972	165	542710	80.639	ng	99
52) Acenaphthene	14.472	154	1841448	76.902	ng	99
53) 3-Nitroaniline	14.301	138	618087	81.627	ng	100
54) 2,4-Dinitrophenol	14.507	184	339125	94.356	ng	100
55) Dibenzofuran	14.807	168	2915933	77.023	ng	99
56) 4-Nitrophenol	14.619	139	520294	83.618	ng	96
57) 2,4-Dinitrotoluene	14.766	165	791214	82.399	ng	99
58) Fluorene	15.466	166	2185593	73.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	661890	80.448	ng	100
60) Diethylphthalate	15.242	149	2494087	76.870	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	1105157	74.388	ng	97
62) 4-Nitroaniline	15.484	138	626525	80.710	ng	97
63) Azobenzene	15.760	77	2139674	77.017	ng	99
65) 4,6-Dinitro-2-methylph...	15.542	198	472602	88.473	ng	93
66) n-Nitrosodiphenylamine	15.678	169	2034782	77.866	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	745915	79.144	ng	98
68) Hexachlorobenzene	16.495	284	860051	78.721	ng	97
69) Atrazine	16.654	200	783533	80.064	ng	98
70) Pentachlorophenol	16.842	266	589673	85.502	ng	98
71) Phenanthrene	17.242	178	3623454	76.972	ng	99
72) Anthracene	17.336	178	3702277	77.014	ng	99
73) Carbazole	17.607	167	3503273	77.368	ng	99
74) Di-n-butylphthalate	18.219	149	4336701	77.844	ng	100
75) Fluoranthene	19.330	202	4313301	76.815	ng	99
77) Benzidine	19.525	184	2036246	67.124	ng	99
78) Pyrene	19.707	202	4410693	76.343	ng	99
80) Butylbenzylphthalate	20.660	149	2054404	78.460	ng	97
81) Benzo(a)anthracene	21.642	228	4532763	77.322	ng	100
82) 3,3'-Dichlorobenzidine	21.554	252	1705746	77.197	ng	100
83) Chrysene	21.707	228	4218161	76.835	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	3021891	78.400	ng	100
85) Di-n-octyl phthalate	22.877	149	5302080	79.974	ng	100
87) Indeno(1,2,3-cd)pyrene	28.895	276	5473121	71.894	ng	95
88) Benzo(b)fluoranthene	23.977	252	4876398	79.692	ng	100
89) Benzo(k)fluoranthene	24.054	252	4734637	77.323	ng	99
90) Benzo(a)pyrene	24.889	252	4735685	79.505	ng	99
91) Dibenzo(a,h)anthracene	28.983	278	5046260	81.142	ng	99
92) Benzo(g,h,i)perylene	30.106	276	4949477	80.973	ng	98

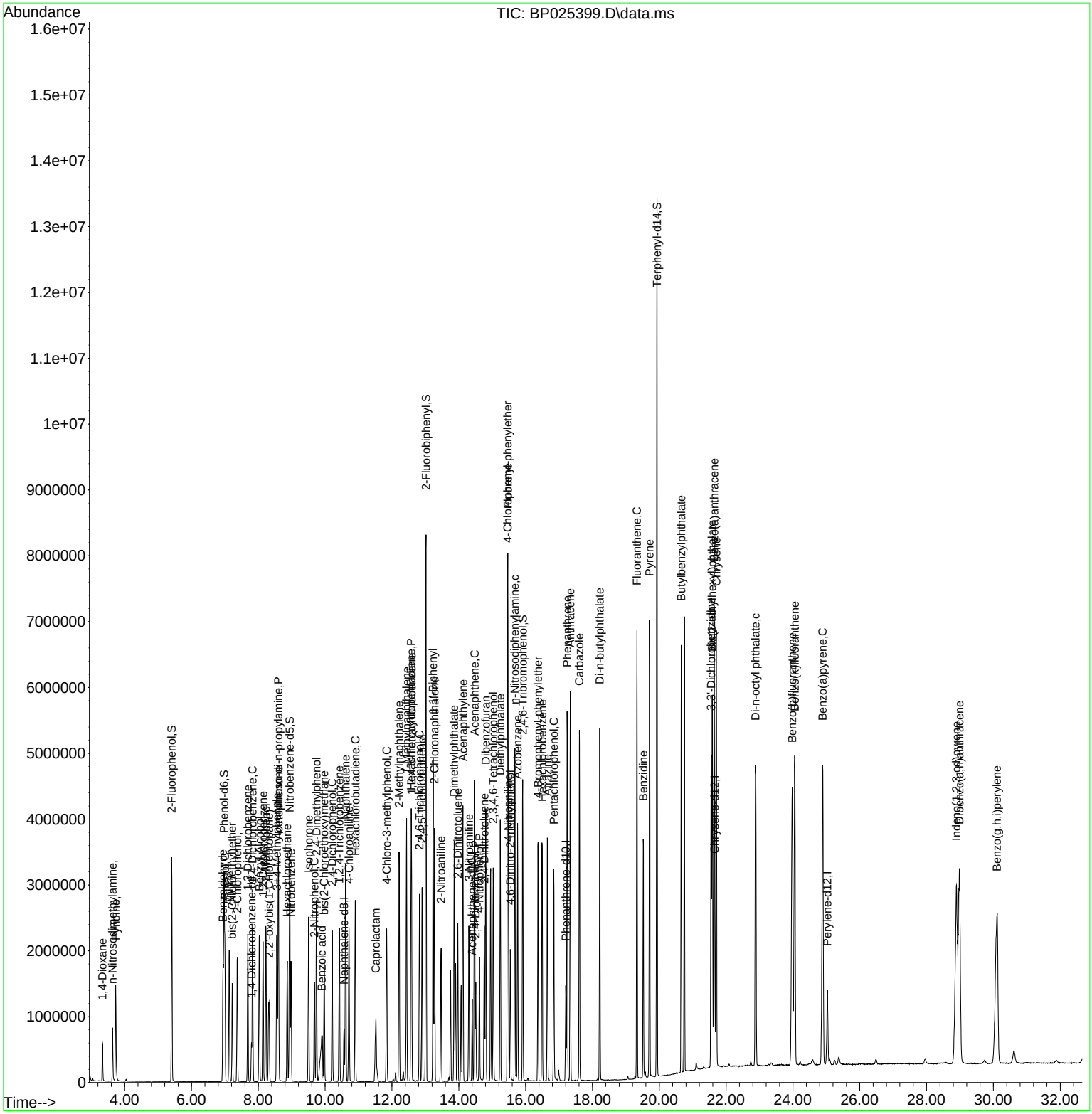
(#) = qualifier out of range (m) = manual integration (+) = signals summed

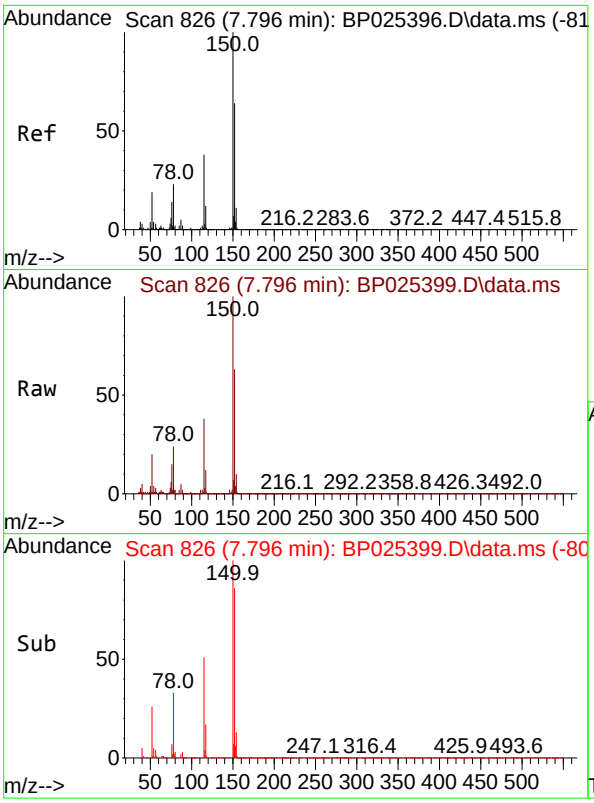
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025399.D
Acq On : 14 Aug 2025 17:24
Operator : CG/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Aug 14 17:59:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 17:44:43 2025
Response via : Initial Calibration



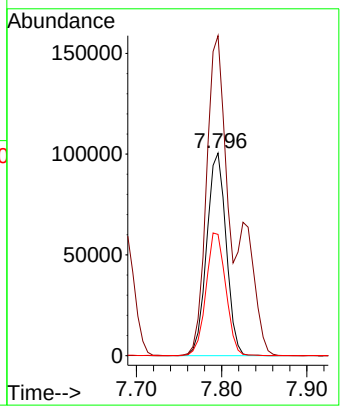


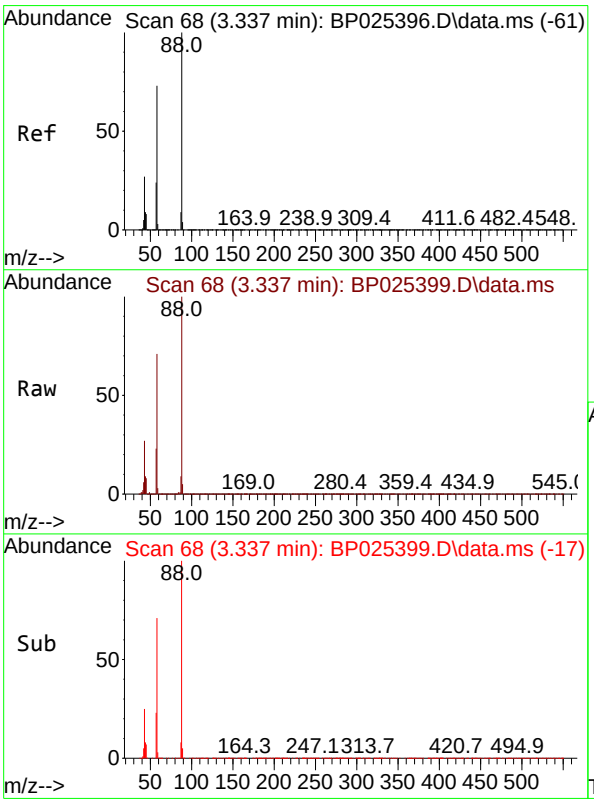
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 159148

Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.9	188.9
115	59.9	48.5	72.7

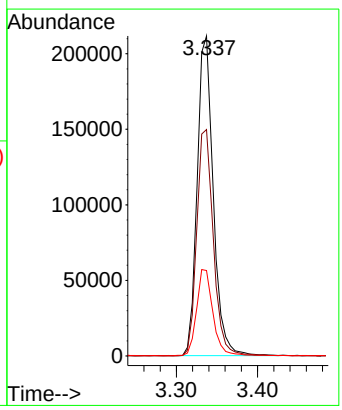


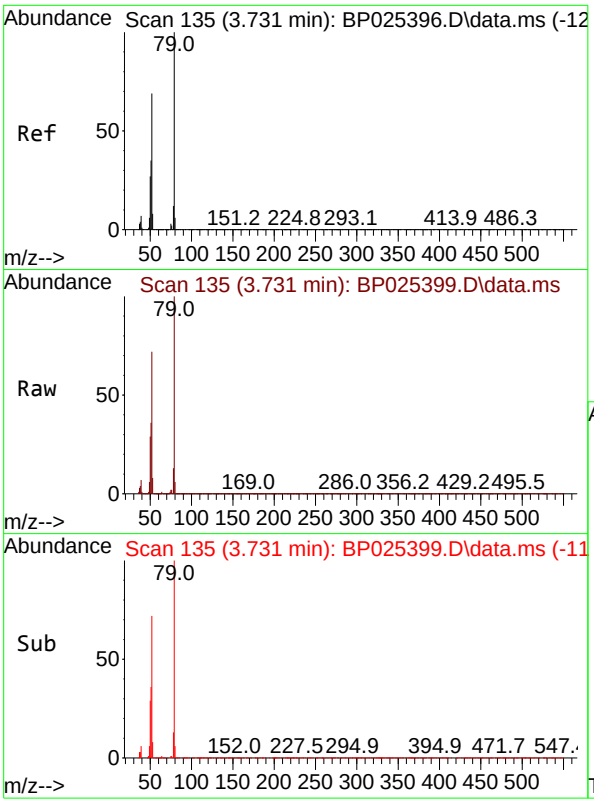


#2
1,4-Dioxane
Concen: 77.664 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 88 Resp: 291527

Ion	Ratio	Lower	Upper
88	100		
58	73.3	59.2	88.8
43	27.4	21.7	32.5



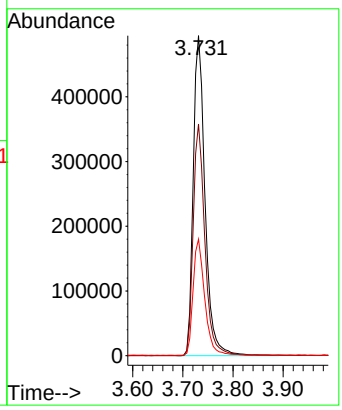


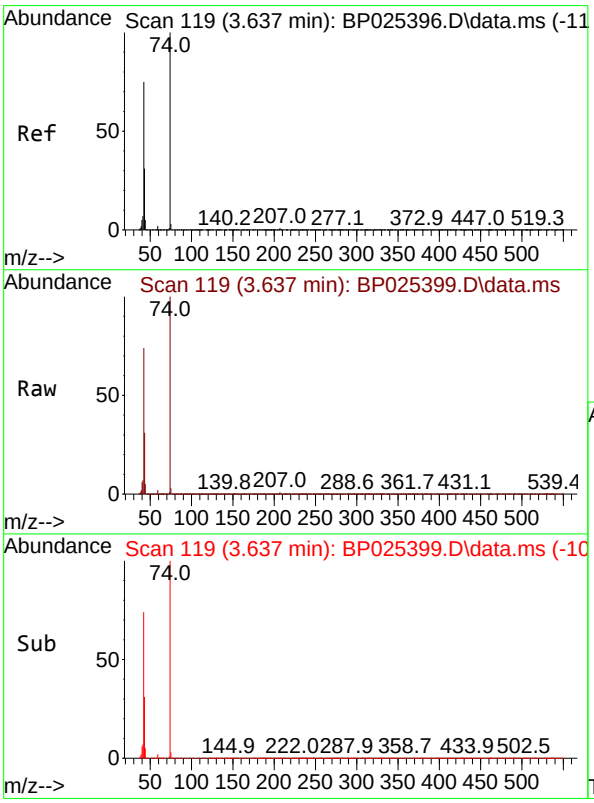
#3
Pyridine
Concen: 78.572 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 807269

Ion	Ratio	Lower	Upper
79	100		
52	72.4	55.5	83.3
51	36.4	28.3	42.5

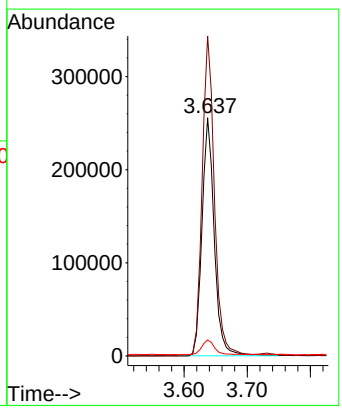


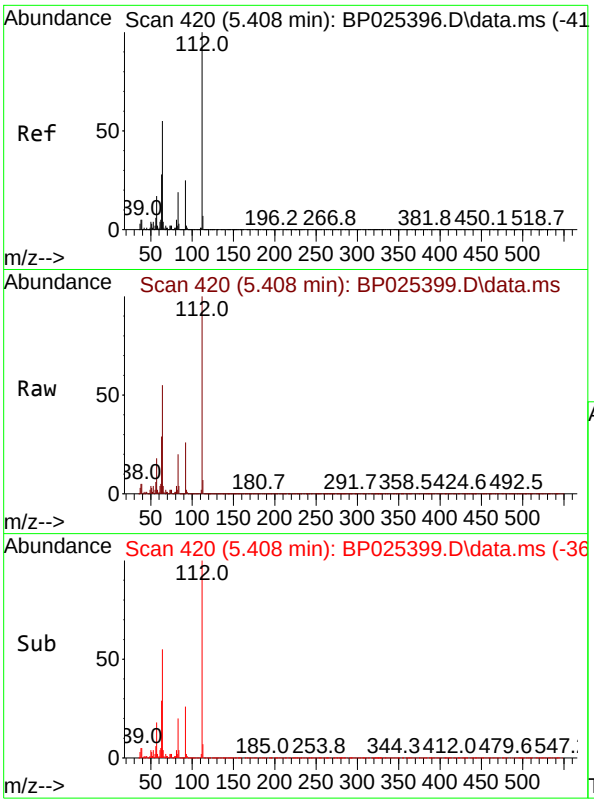


#4
n-Nitrosodimethylamine
Concen: 81.296 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 42 Resp: 344349

Ion	Ratio	Lower	Upper
42	100		
74	134.3	107.0	160.4
44	6.7	6.2	9.4



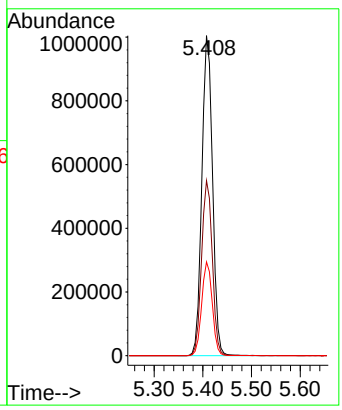


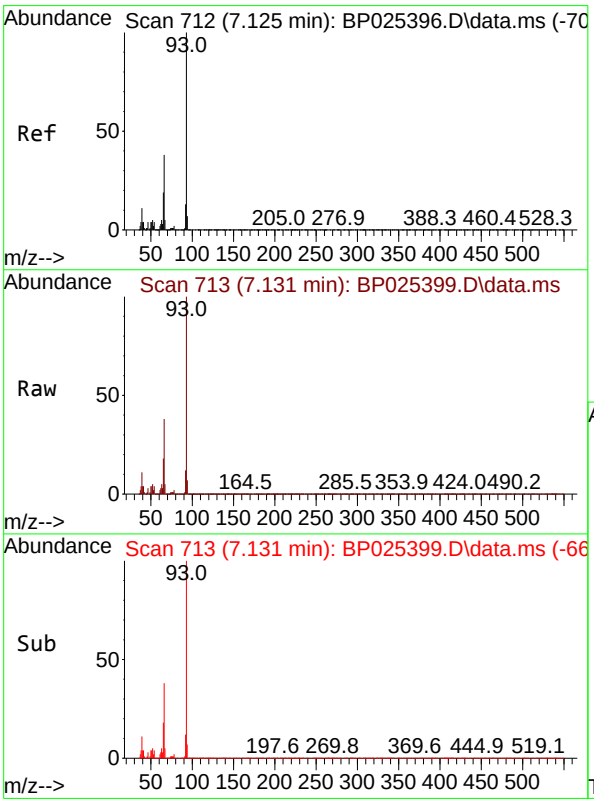
#5
2-Fluorophenol
Concen: 159.254 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1526166

Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	29.3	22.7	34.1

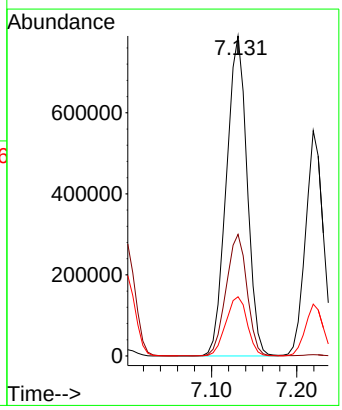


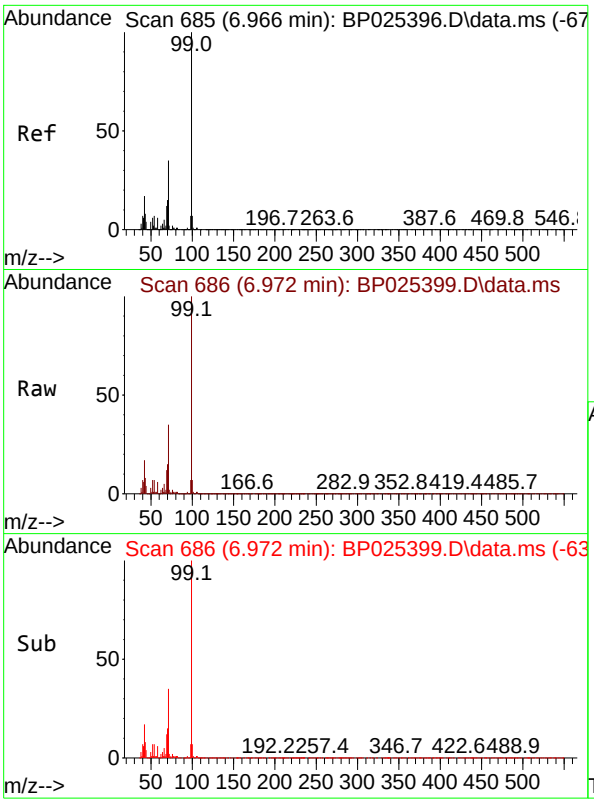


#6
Aniline
Concen: 80.538 ng
RT: 7.131 min Scan# 713
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1333221

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	18.5	15.3	22.9



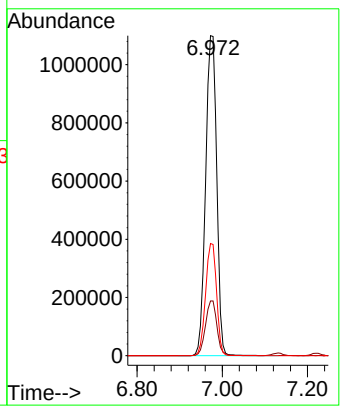


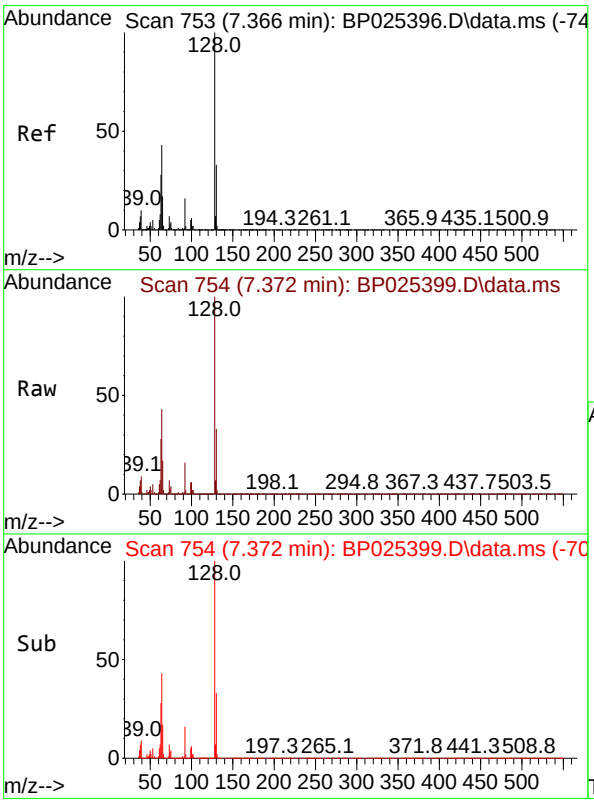
#7
Phenol-d6
Concen: 161.937 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1989633

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	35.1	28.2	42.4

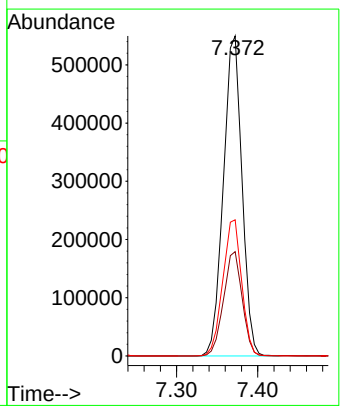


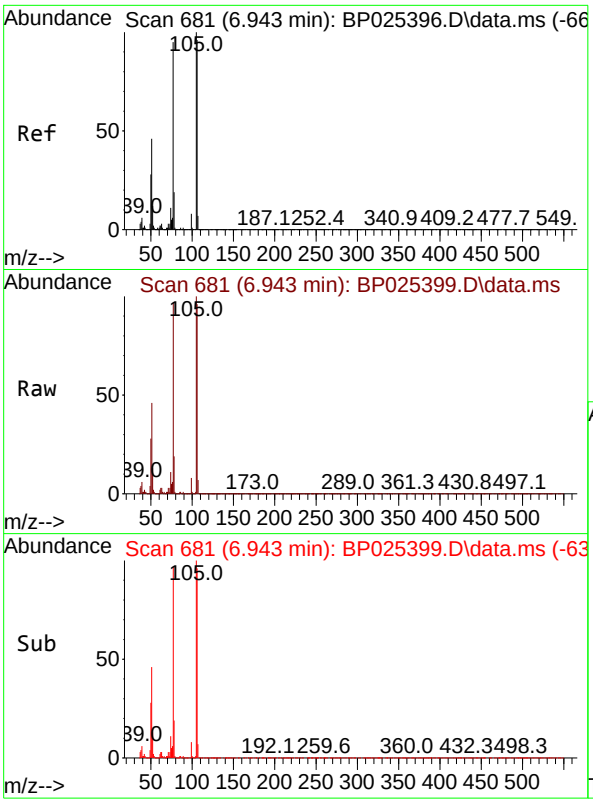


#8
2-Chlorophenol
Concen: 81.104 ng
RT: 7.372 min Scan# 754
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:128 Resp: 877073

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	42.5	23.4	63.4



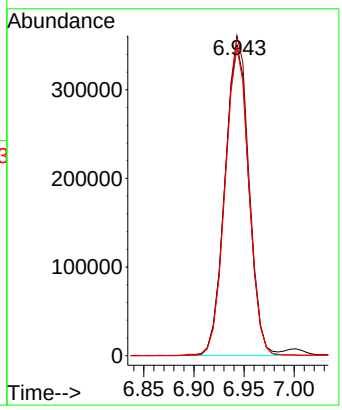


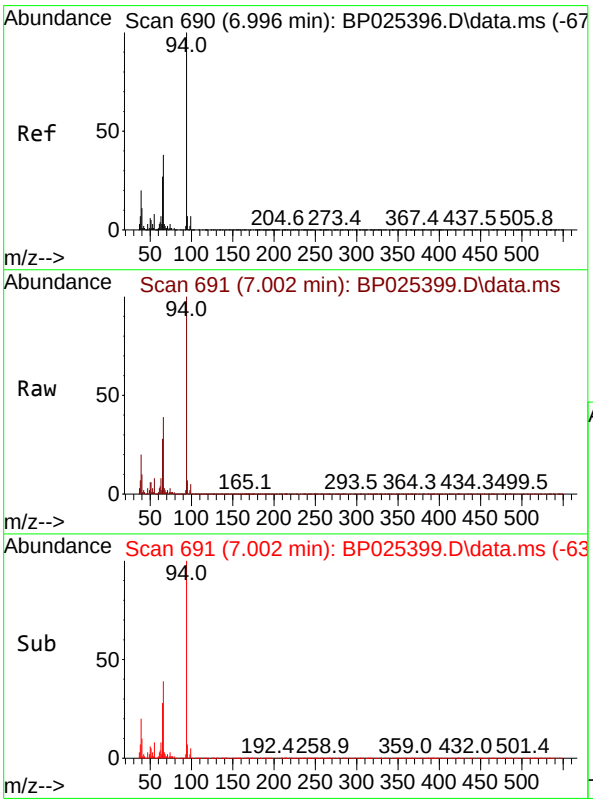
#9
Benzaldehyde
Concen: 67.651 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 582344

Ion	Ratio	Lower	Upper
77	100		
105	103.0	84.8	124.8
106	99.3	80.5	120.5

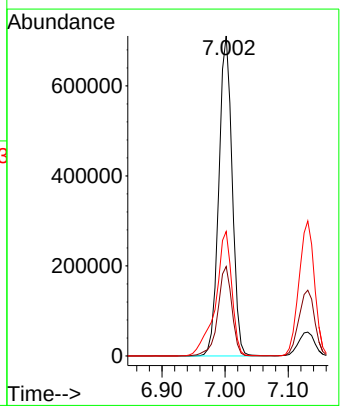


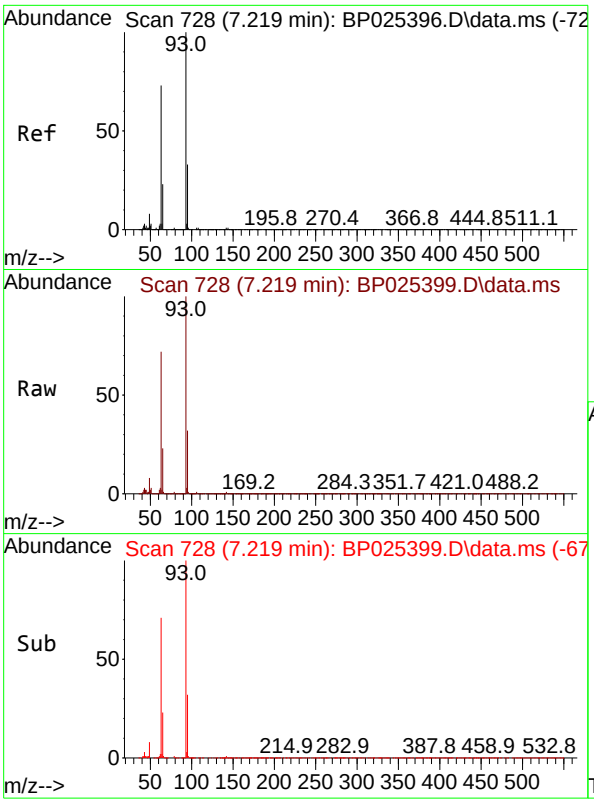


#10
Phenol
Concen: 80.710 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 94 Resp: 1040534

Ion	Ratio	Lower	Upper
94	100		
65	28.0	6.8	46.8
66	38.9	18.2	58.2



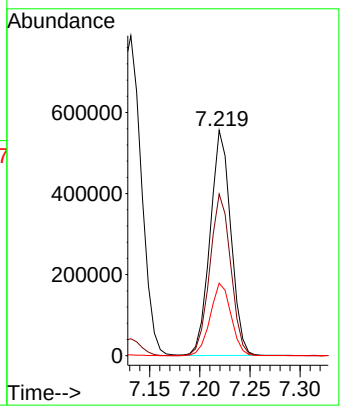


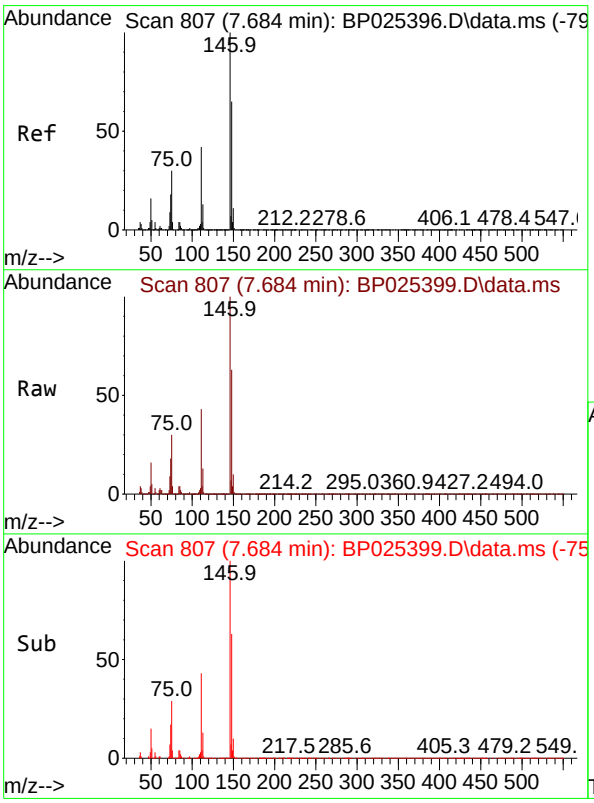
#11
bis(2-Chloroethyl)ether
Concen: 79.481 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 798672

Ion	Ratio	Lower	Upper
93	100		
63	71.7	52.6	92.6
95	32.2	12.7	52.7

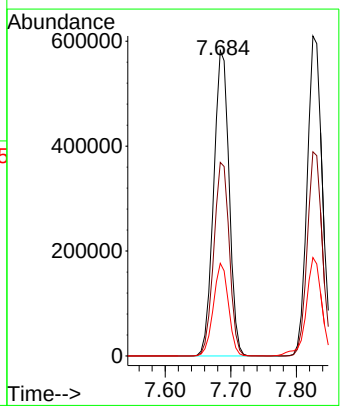


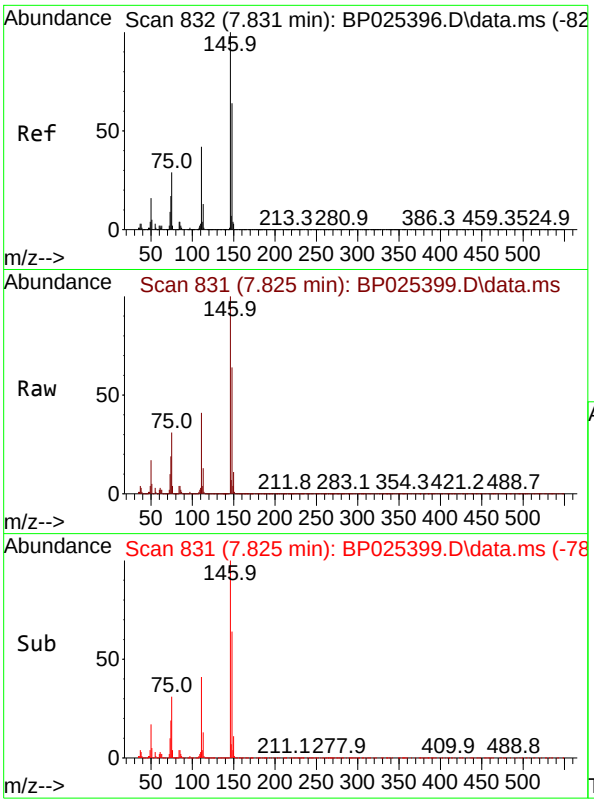


#12
1,3-Dichlorobenzene
Concen: 79.718 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 950596

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.9	77.9
75	30.3	23.7	35.5



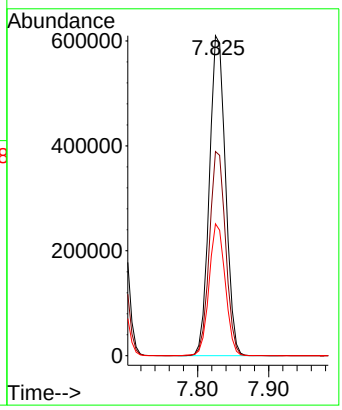


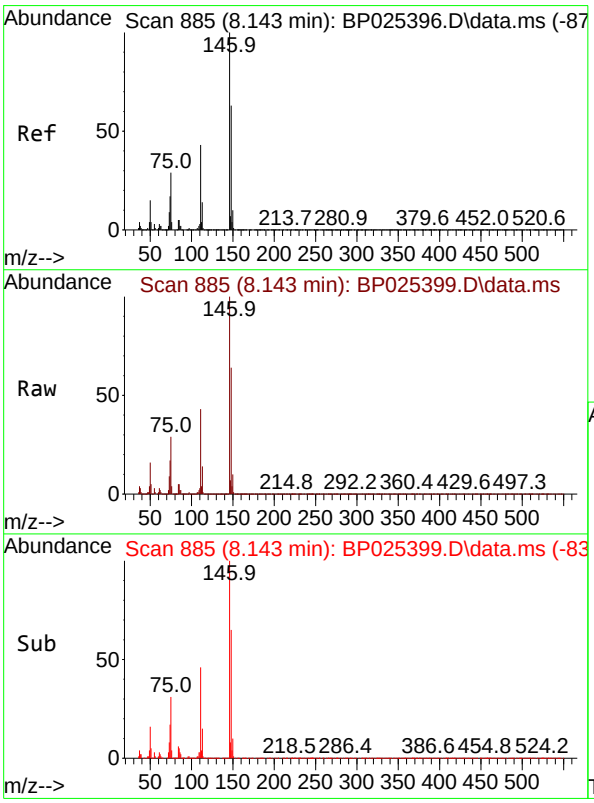
#13
1,4-Dichlorobenzene
Concen: 78.882 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 961421

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	41.2	33.4	50.0

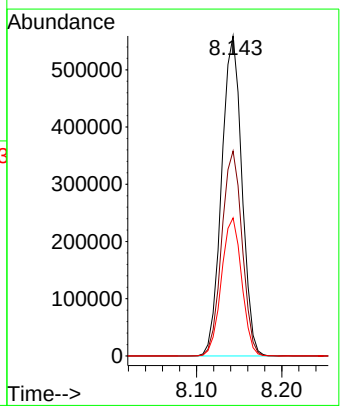


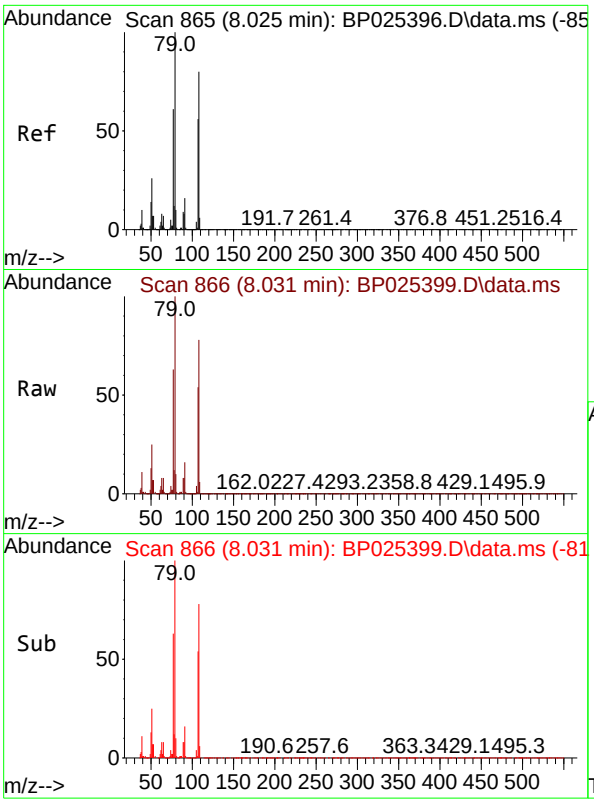


#14
1,2-Dichlorobenzene
Concen: 78.203 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:146 Resp: 922658

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	43.1	34.5	51.7



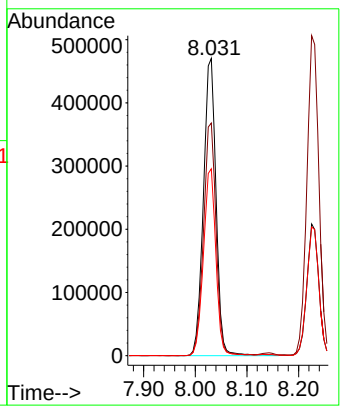


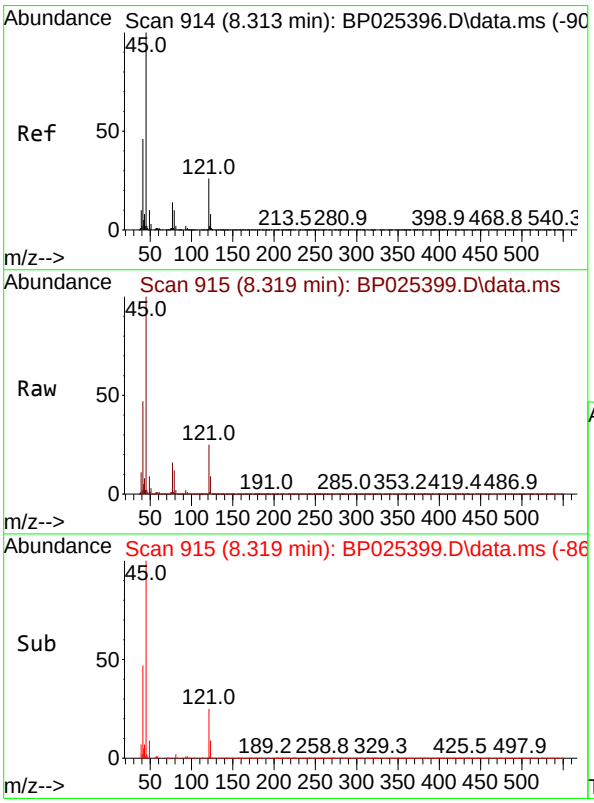
#15
Benzyl Alcohol
Concen: 81.498 ng
RT: 8.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 795618

Ion	Ratio	Lower	Upper
79	100		
108	78.3	63.8	95.6
77	62.8	49.0	73.4

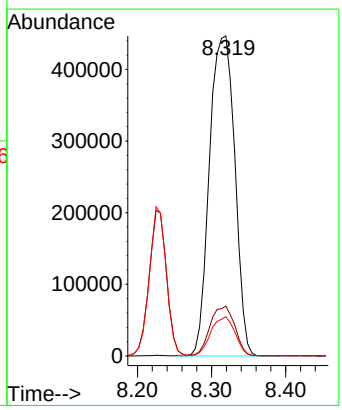


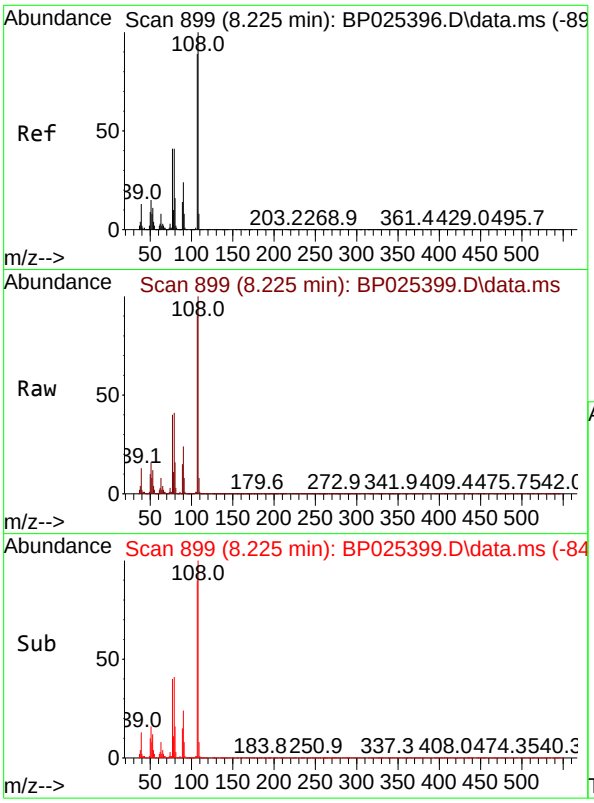


#16
2,2'-oxybis(1-Chloropropane)
Concen: 78.732 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 45 Resp: 1059824

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.3
79	12.2	0.0	31.8



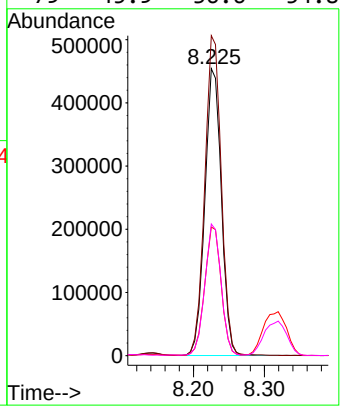


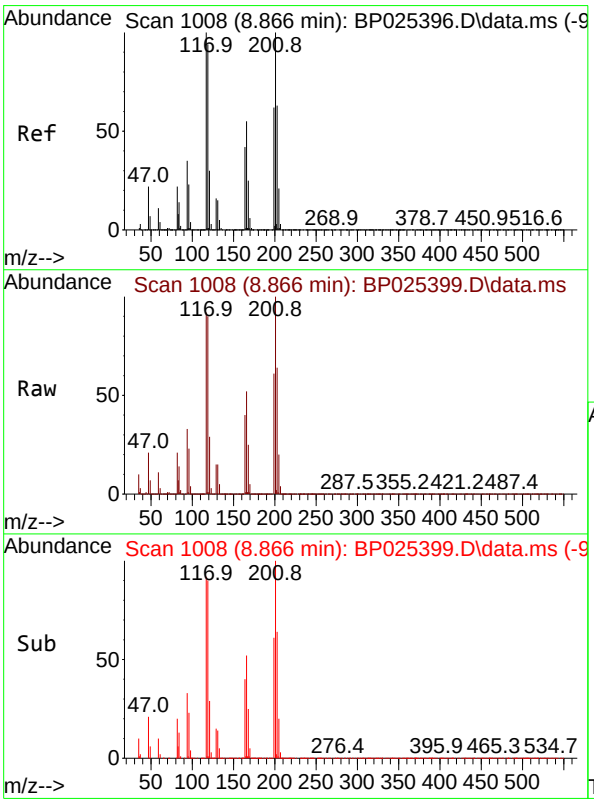
#17
2-Methylphenol
Concen: 82.028 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 734482

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	44.8	36.3	54.5
79	45.9	36.6	54.8

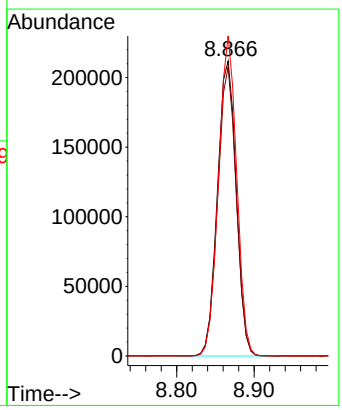


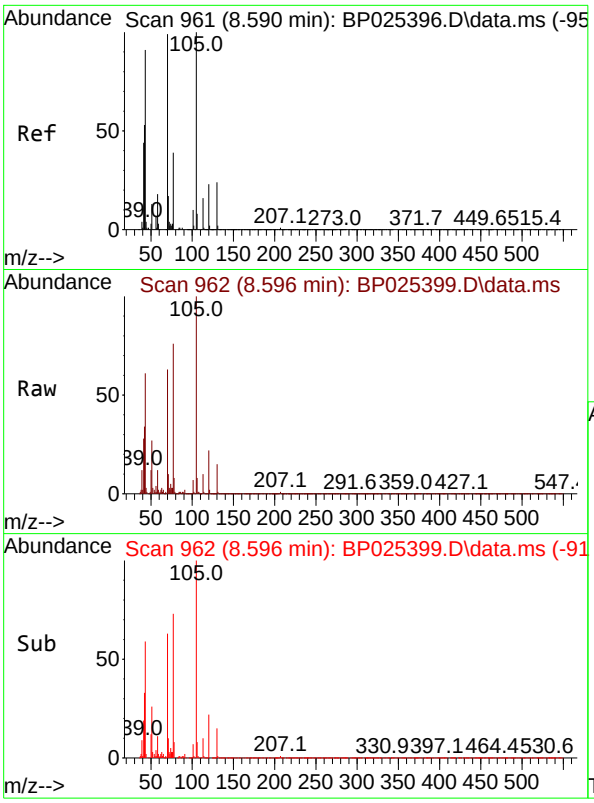


#18
Hexachloroethane
Concen: 79.395 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:117 Resp: 355791

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.1	112.7
201	108.5	80.1	120.1



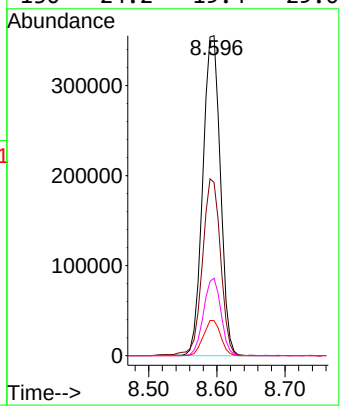


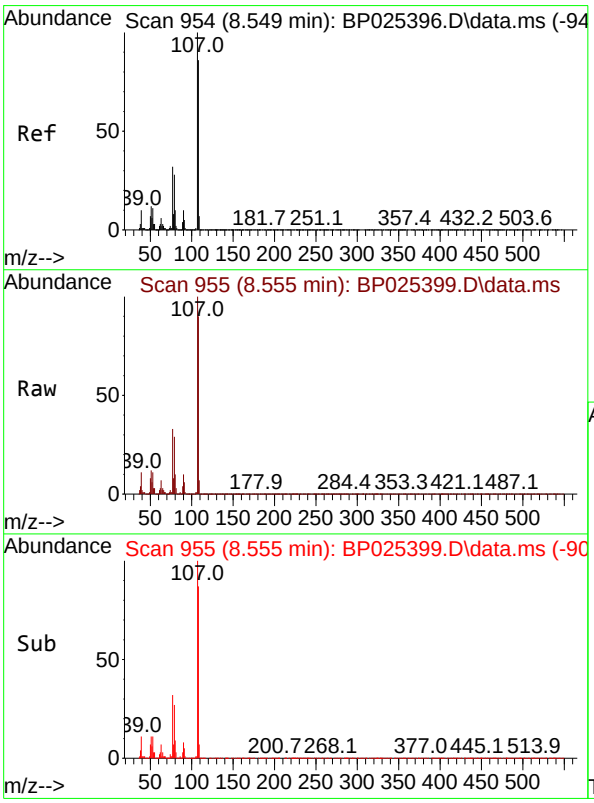
#19
n-Nitroso-di-n-propylamine
Concen: 78.102 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 636387

Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.8	65.6
101	11.0	8.5	12.7
130	24.2	19.4	29.0

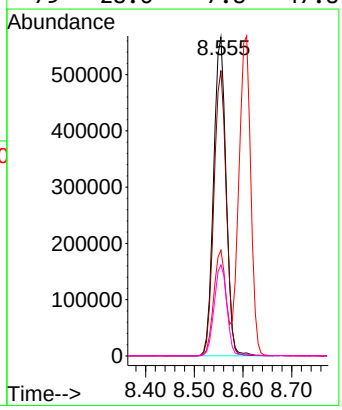


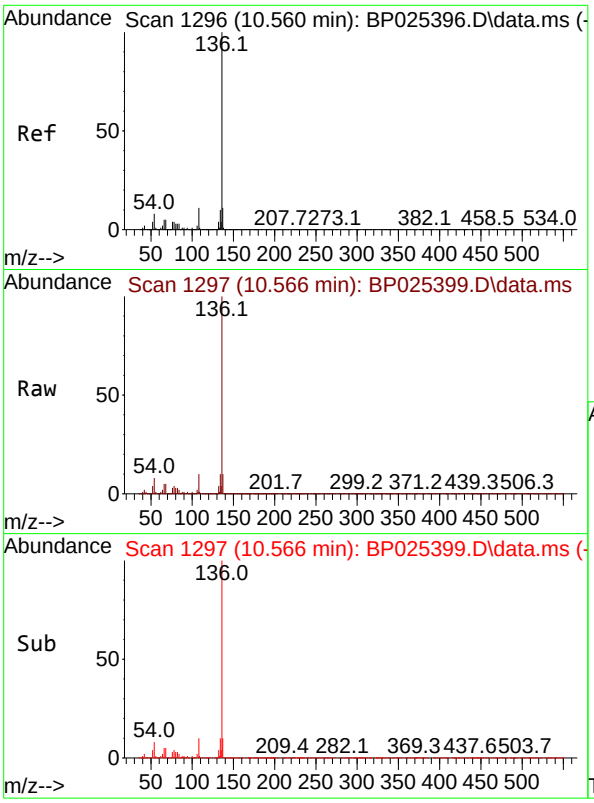


#20
3+4-Methylphenols
Concen: 81.023 ng
RT: 8.555 min Scan# 955
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 1005632

Ion	Ratio	Lower	Upper
107	100		
108	89.6	66.3	106.3
77	33.2	12.3	52.3
79	28.6	7.8	47.8



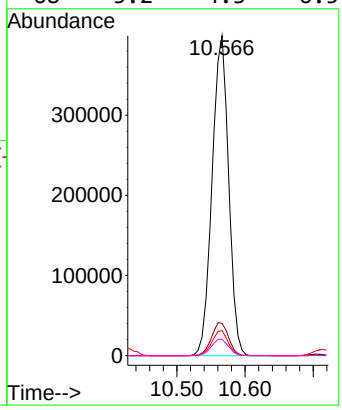


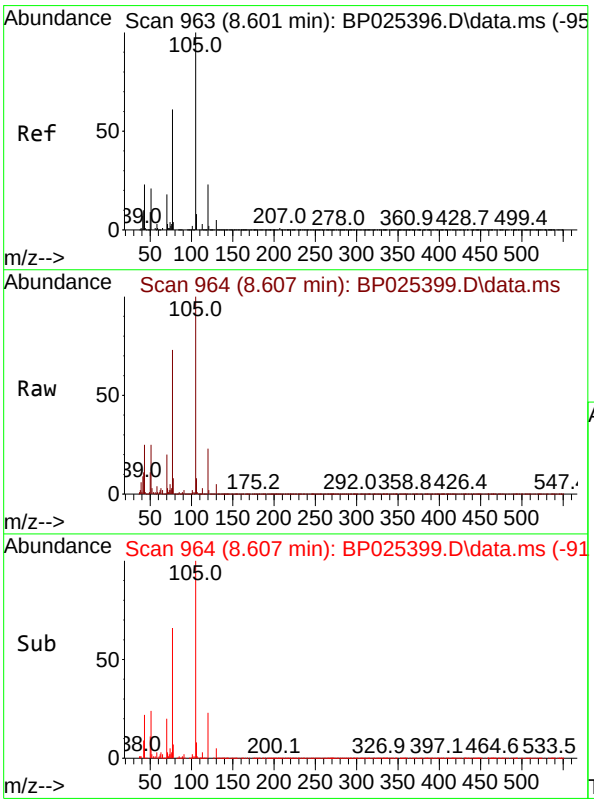
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 673018

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.8	6.0	9.0
68	5.2	4.3	6.5

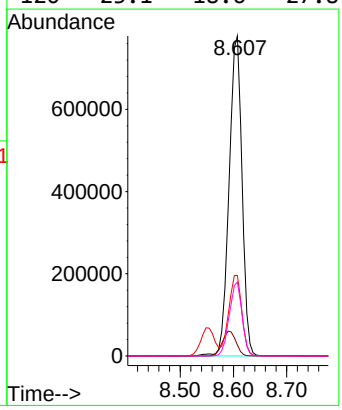


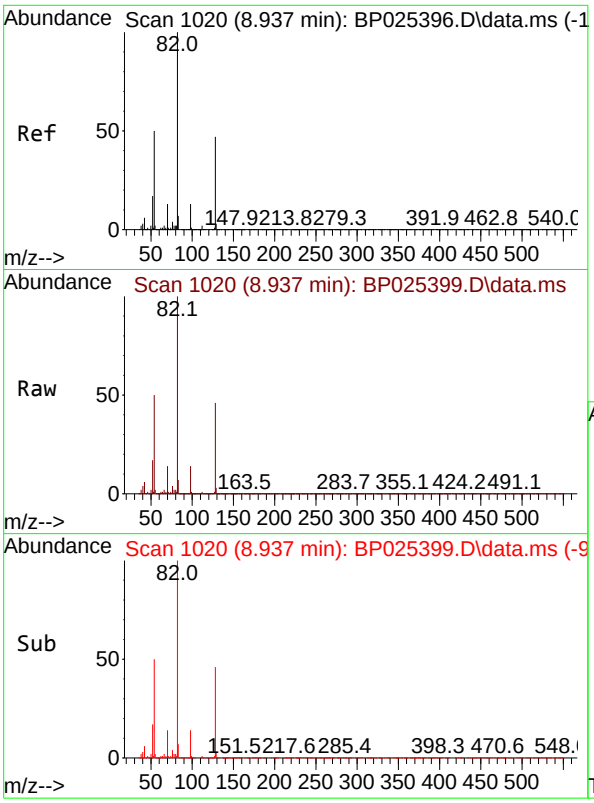


#22
Acetophenone
Concen: 77.886 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:105 Resp: 1314548

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	25.1	20.6	30.8
120	23.1	18.6	27.8



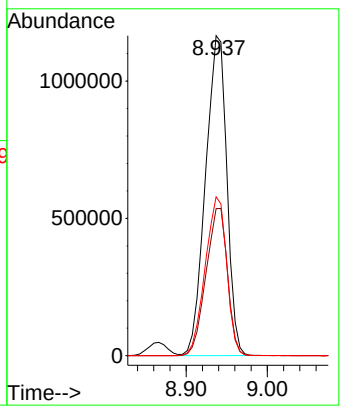


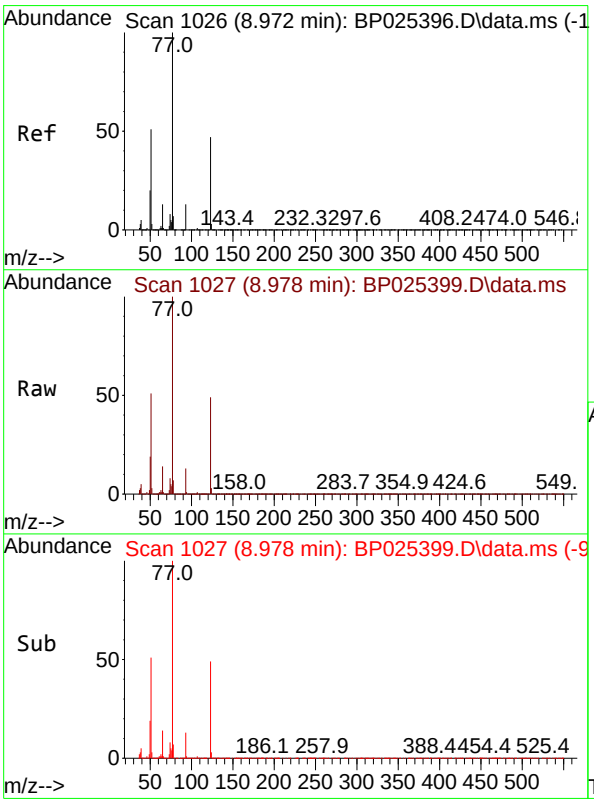
#23
Nitrobenzene-d5
Concen: 159.609 ng
RT: 8.937 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2123522

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	49.7	39.8	59.6

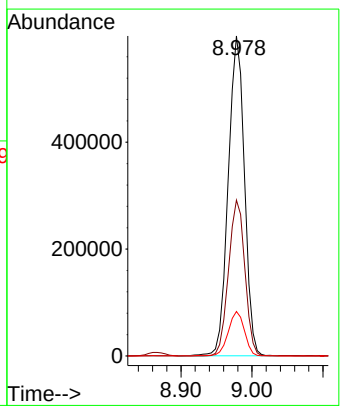


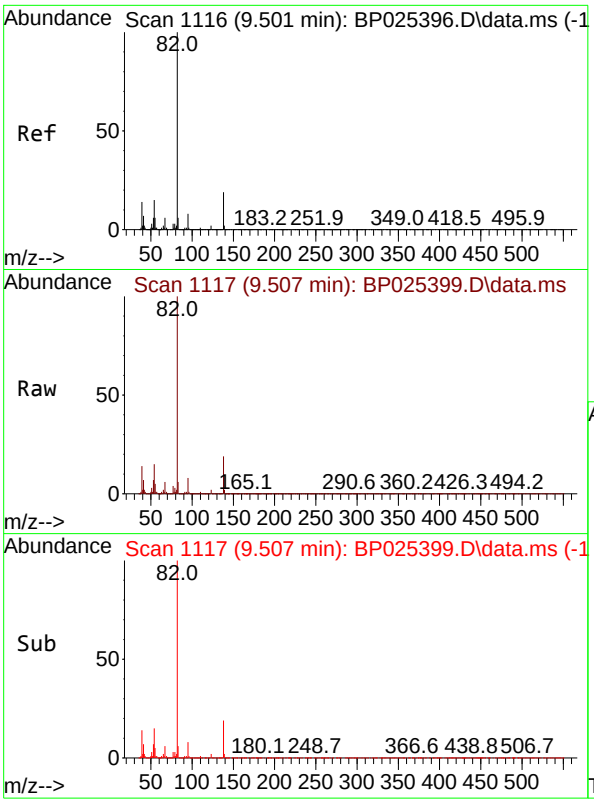


#24
Nitrobenzene
Concen: 79.686 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 77 Resp: 947511

Ion	Ratio	Lower	Upper
77	100		
123	48.7	38.6	58.0
65	13.9	10.6	15.8



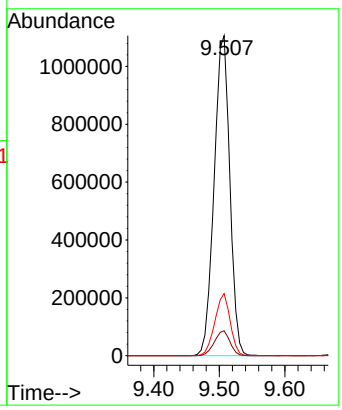


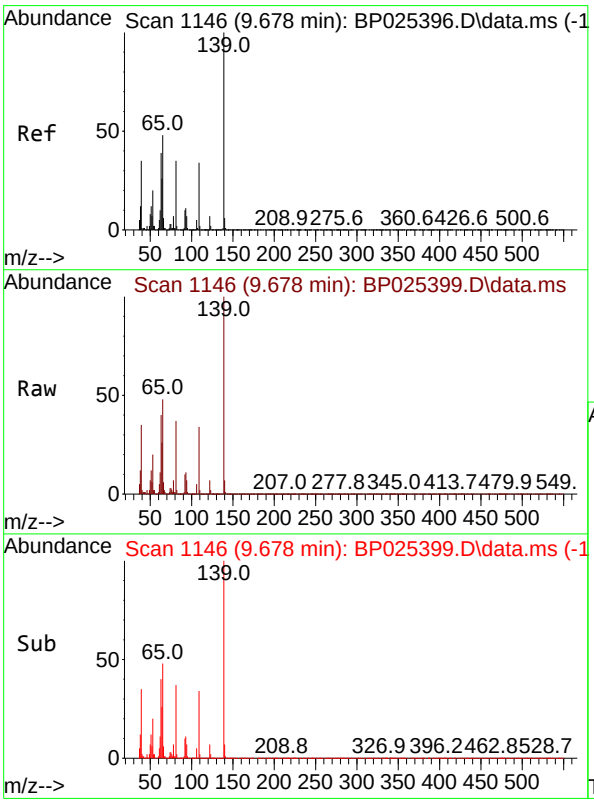
#25
Isophorone
Concen: 77.708 ng
RT: 9.507 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1829675

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	19.4	15.4	23.0

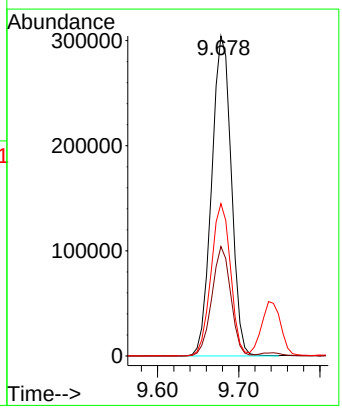


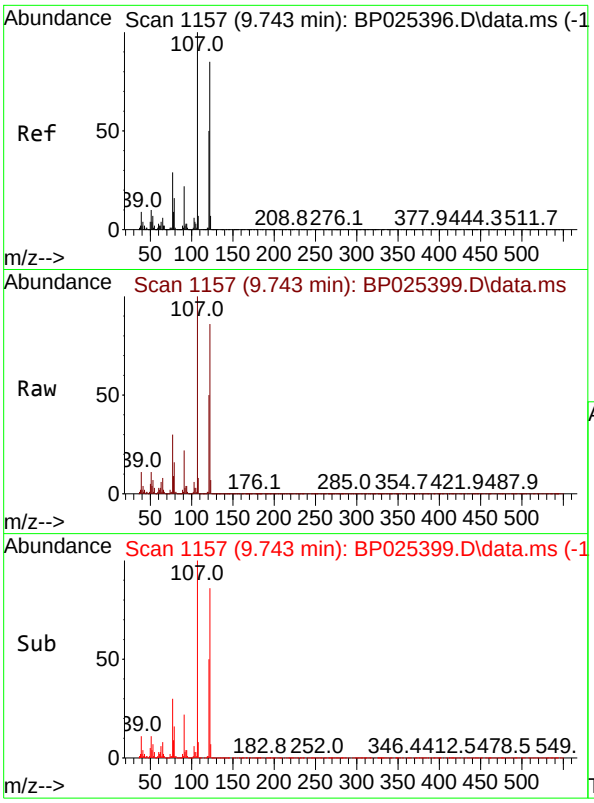


#26
2-Nitrophenol
Concen: 83.872 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 511806

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.9	40.3
65	47.6	38.3	57.5



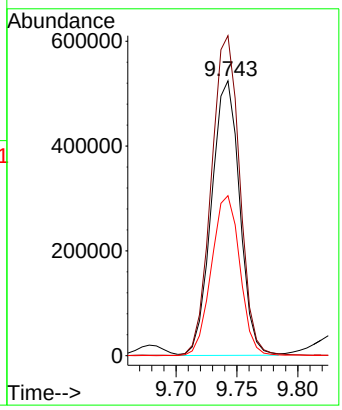


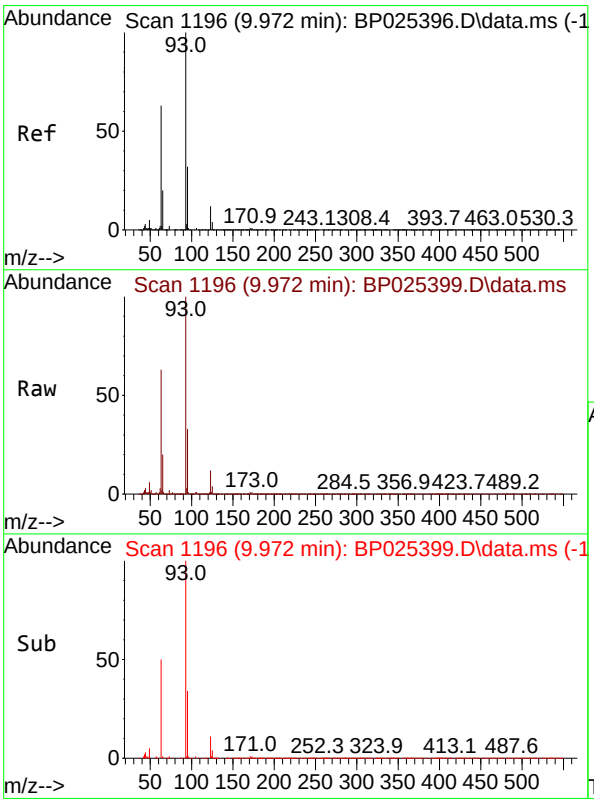
#27
2,4-Dimethylphenol
Concen: 80.280 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 842467

Ion	Ratio	Lower	Upper
122	100		
107	116.4	93.7	140.5
121	58.2	46.6	69.8

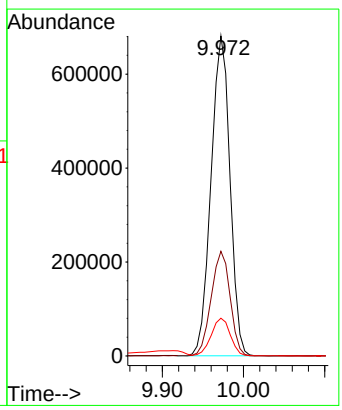


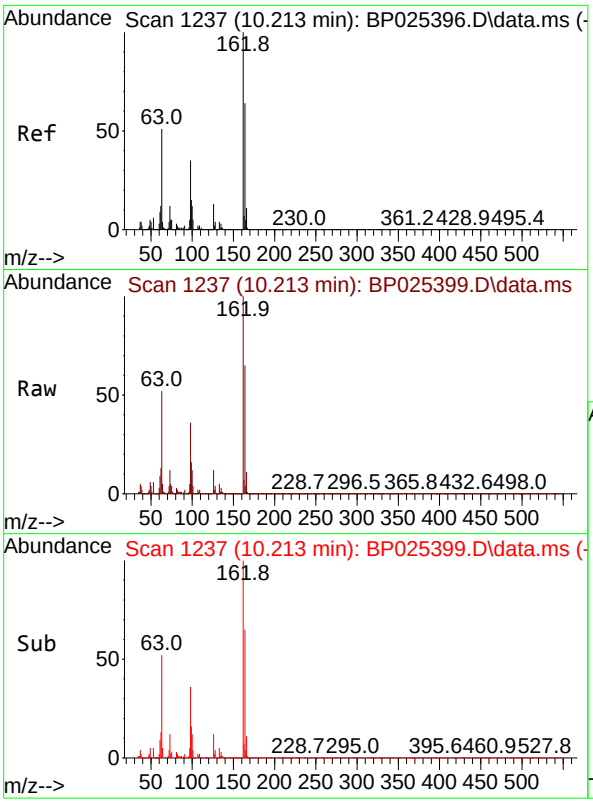


#28
bis(2-Chloroethoxy)methane
Concen: 77.542 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 93 Resp: 1103640

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.8	9.4	14.0



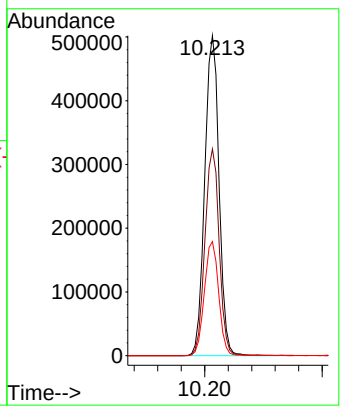


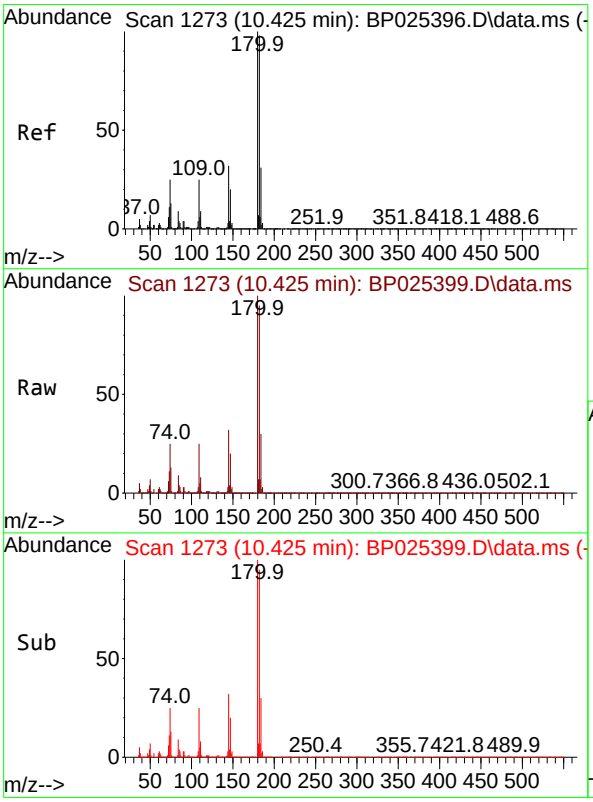
#29
2,4-Dichlorophenol
Concen: 81.037 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 844787

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.4	84.4
98	35.6	14.9	54.9

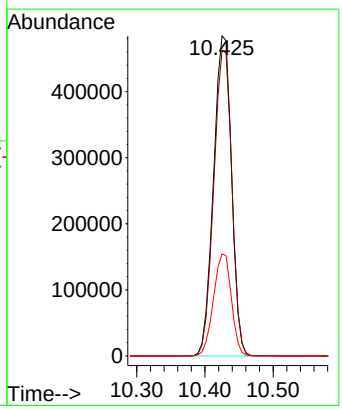


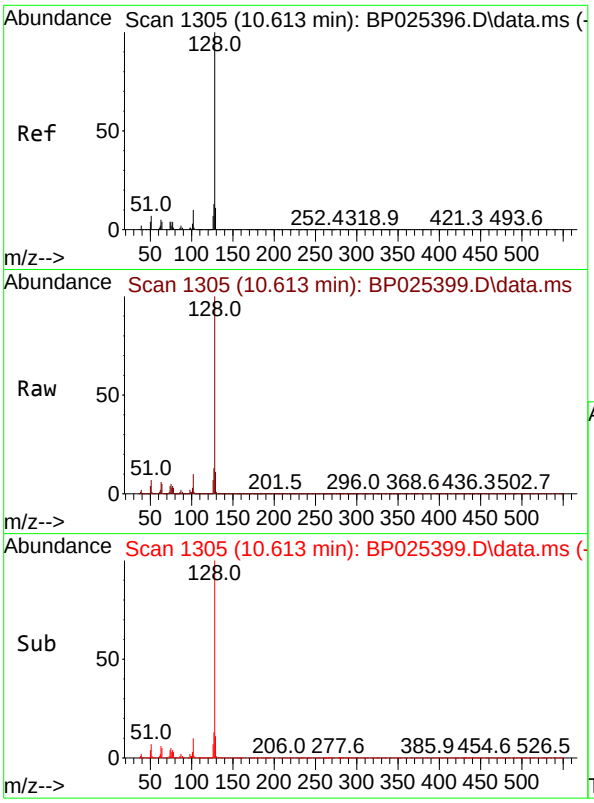


#30
1,2,4-Trichlorobenzene
Concen: 78.123 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:180 Resp: 892771

Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.0	117.0
145	31.9	25.9	38.9



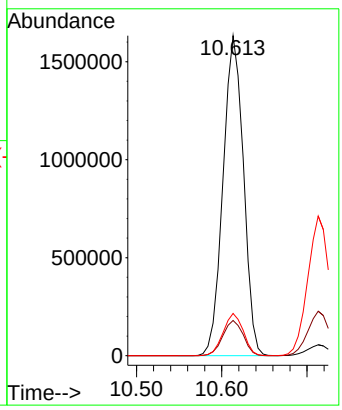


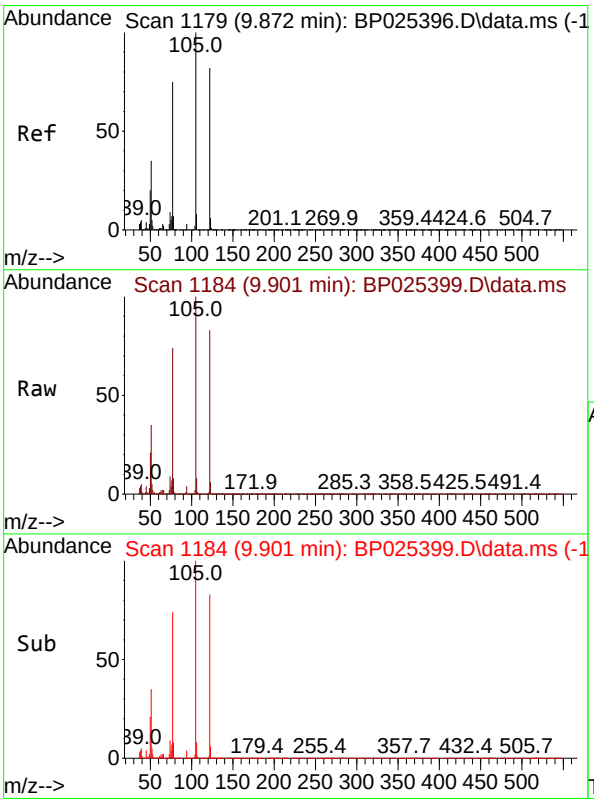
#31
Naphthalene
Concen: 77.835 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 2722703

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.7	16.1

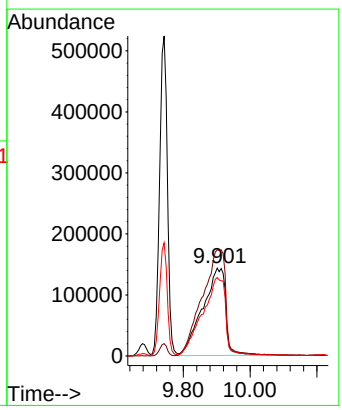


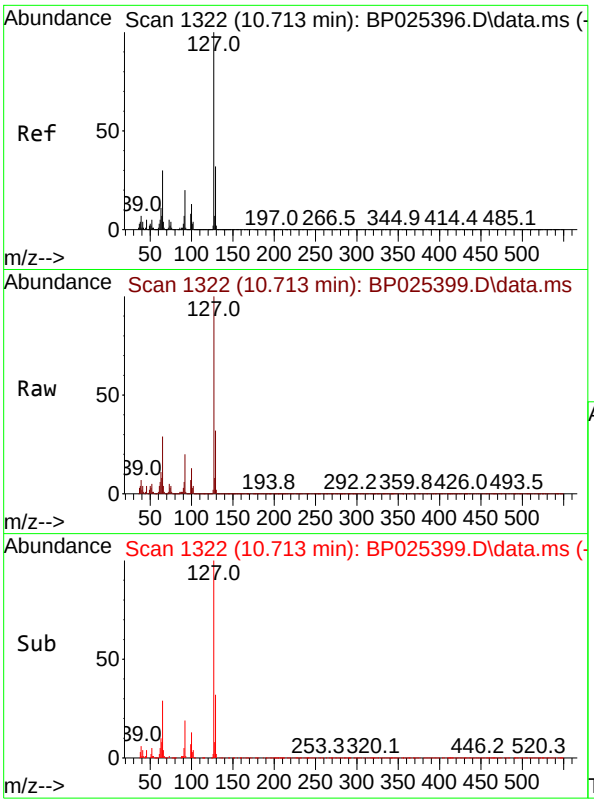


#32
Benzoic acid
Concen: 88.861 ng
RT: 9.901 min Scan# 1184
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:122 Resp: 686791

Ion	Ratio	Lower	Upper
122	100		
105	121.0	100.6	140.6
77	89.3	71.5	111.5



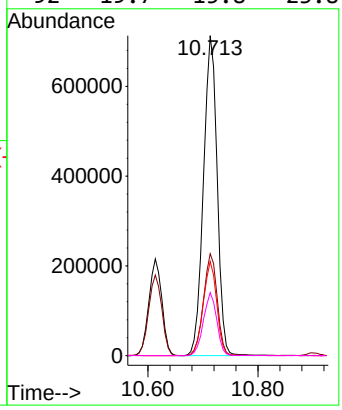


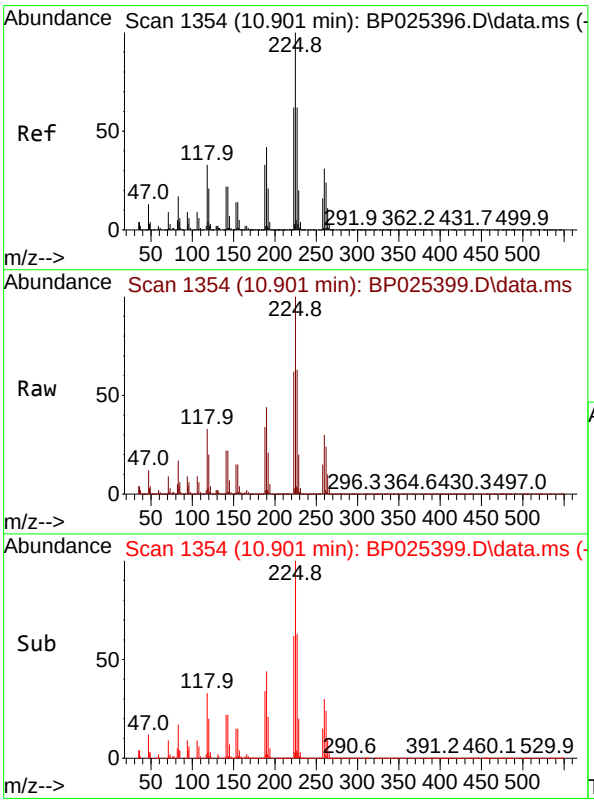
#33
4-Chloroaniline
Concen: 79.761 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1232431

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	29.4	23.8	35.6
92	19.7	15.8	23.8

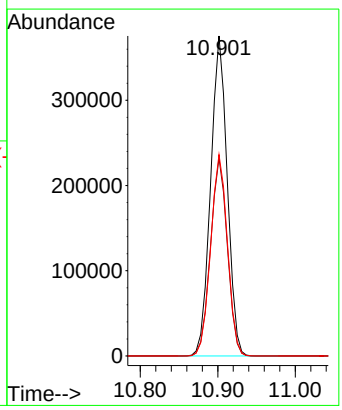


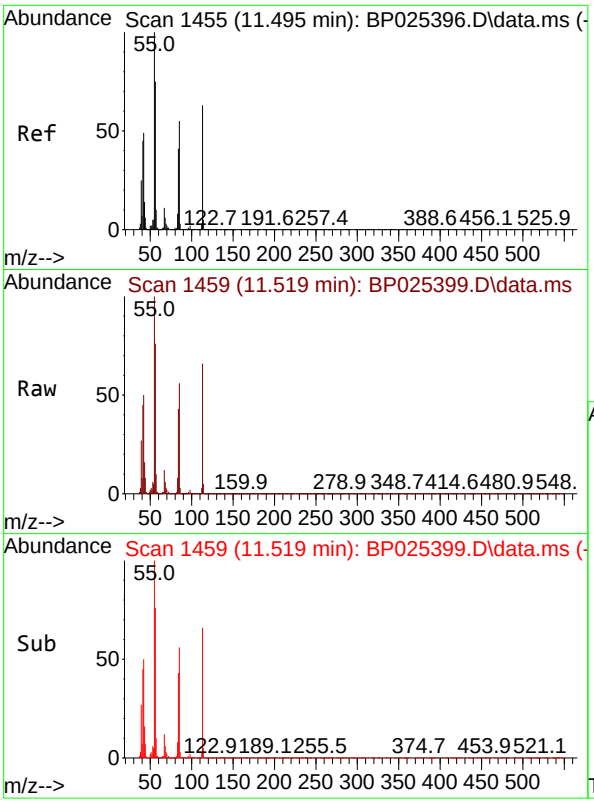


#34
Hexachlorobutadiene
Concen: 78.393 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:225 Resp: 557922

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.0	75.0
227	62.9	49.7	74.5



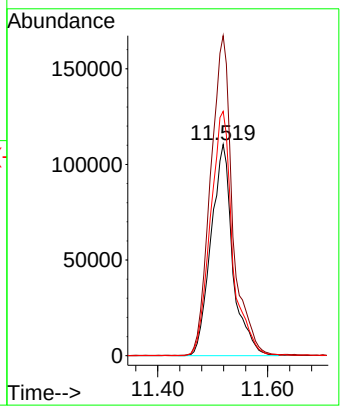


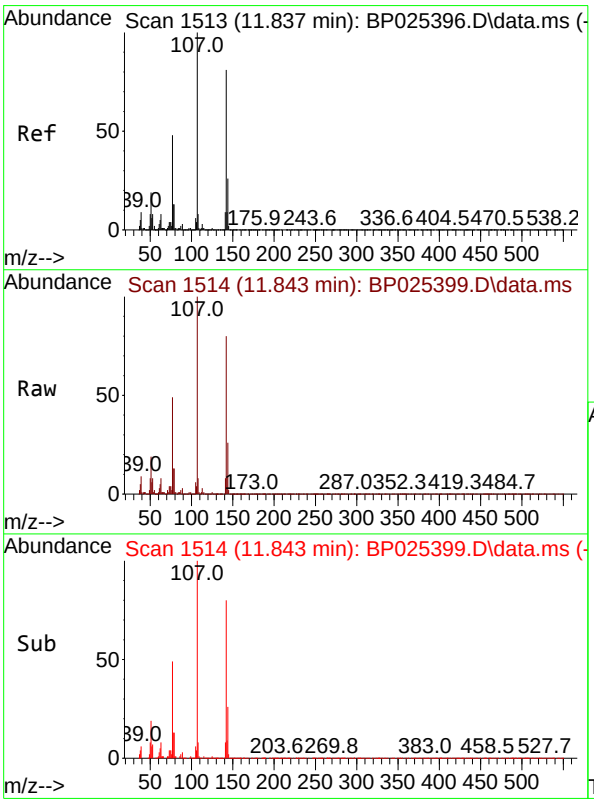
#35
Caprolactam
Concen: 79.233 ng
RT: 11.519 min Scan# 14
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 302874

Ion	Ratio	Lower	Upper
113	100		
55	151.5	140.0	180.0
56	115.6	100.0	140.0

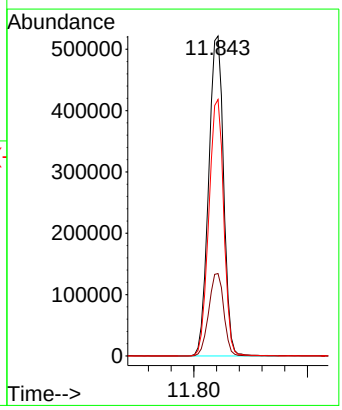


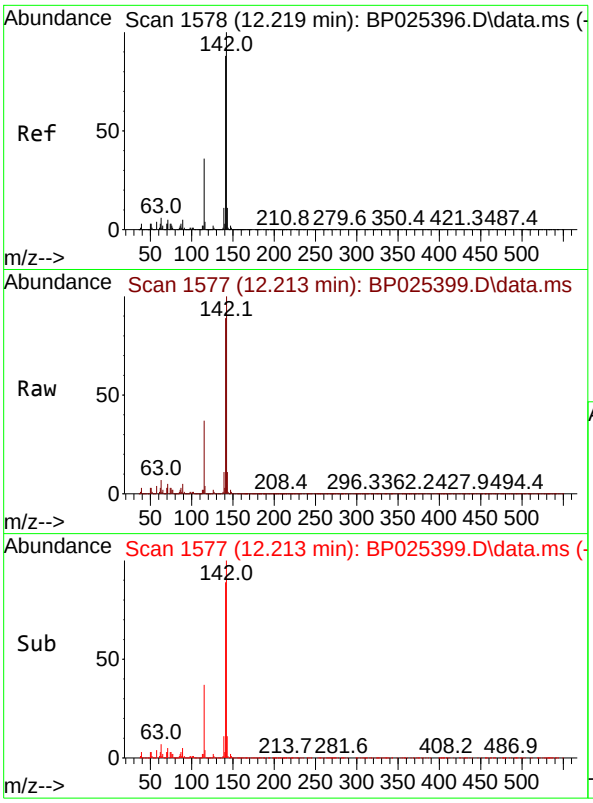


#36
4-Chloro-3-methylphenol
Concen: 79.399 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:107 Resp: 949779

Ion	Ratio	Lower	Upper
107	100		
144	25.7	21.0	31.4
142	80.2	64.6	97.0



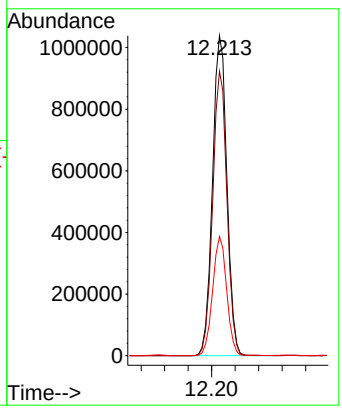


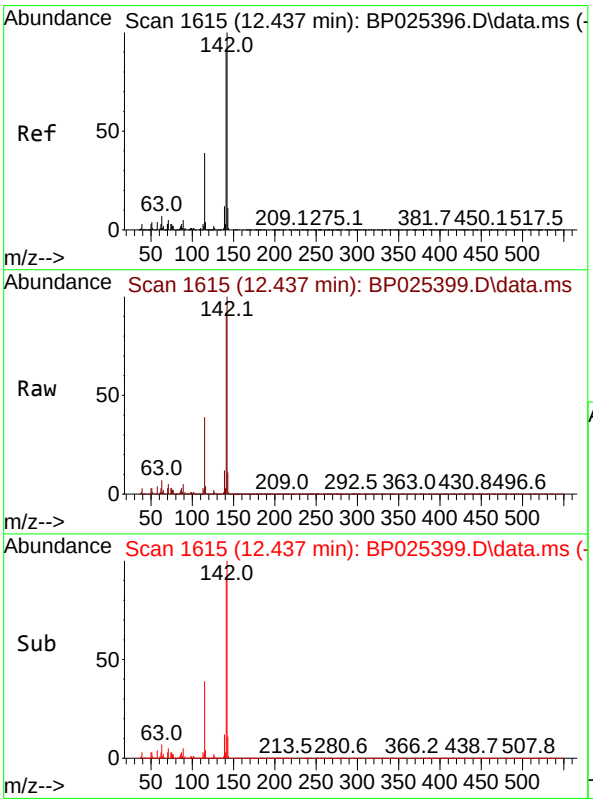
#37
2-Methylnaphthalene
Concen: 77.372 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1761325

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.3	105.5
115	37.2	28.9	43.3

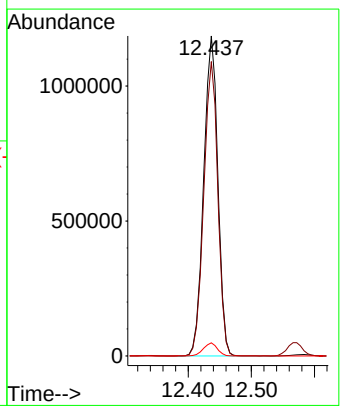


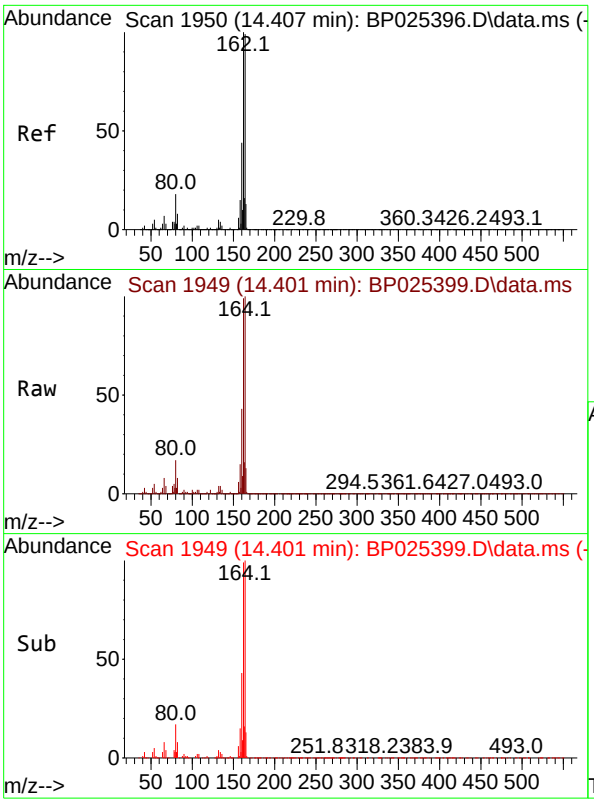


#38
1-Methylnaphthalene
Concen: 76.186 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:142 Resp: 1844376

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7
116	4.1	3.2	4.8



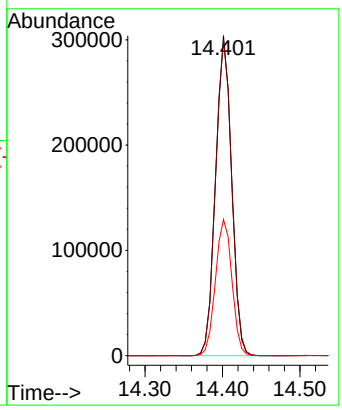


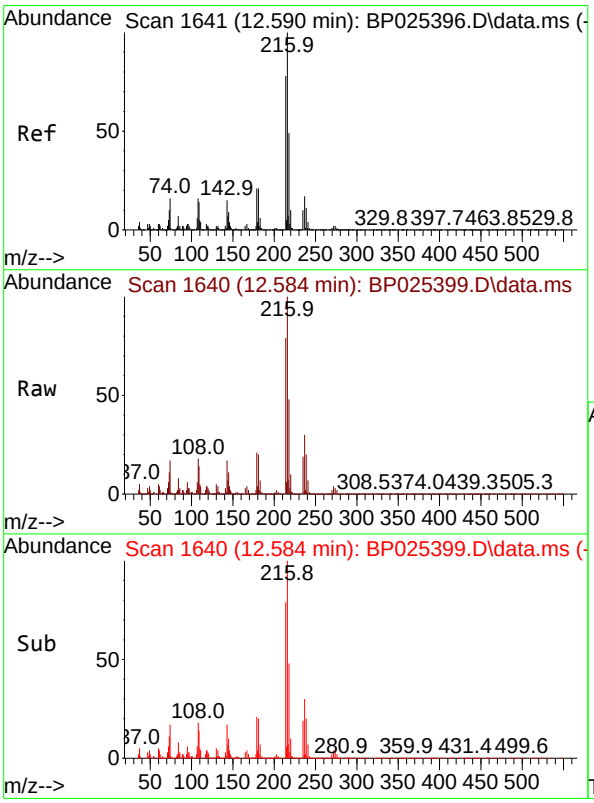
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 436046

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.0	121.6
160	42.6	35.4	53.2

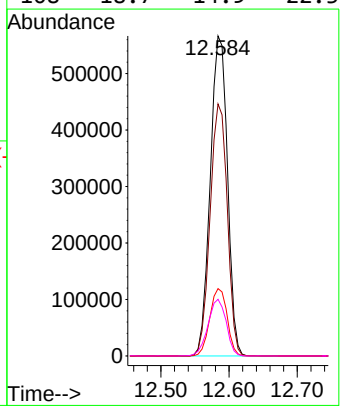


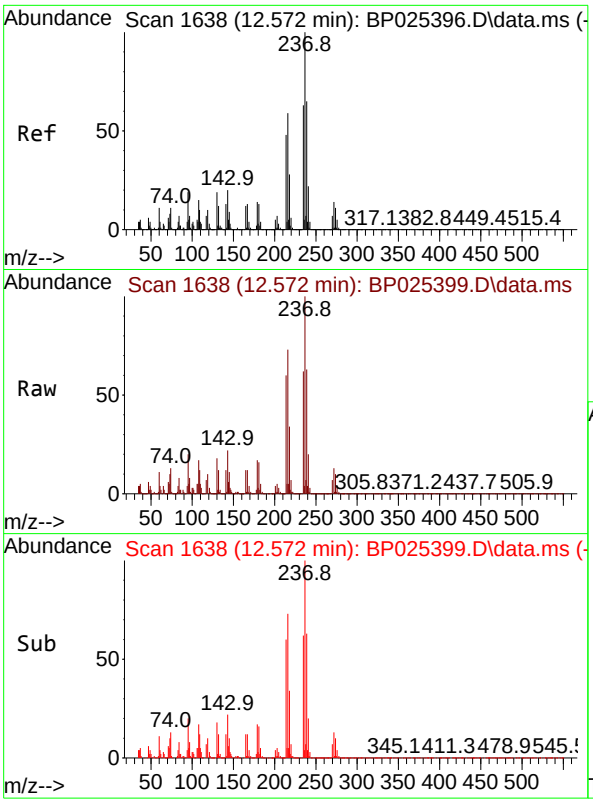


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.014 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:216 Resp: 995064

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.2	17.1	25.7
108	18.7	14.9	22.3



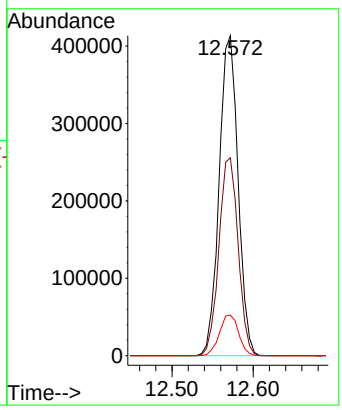


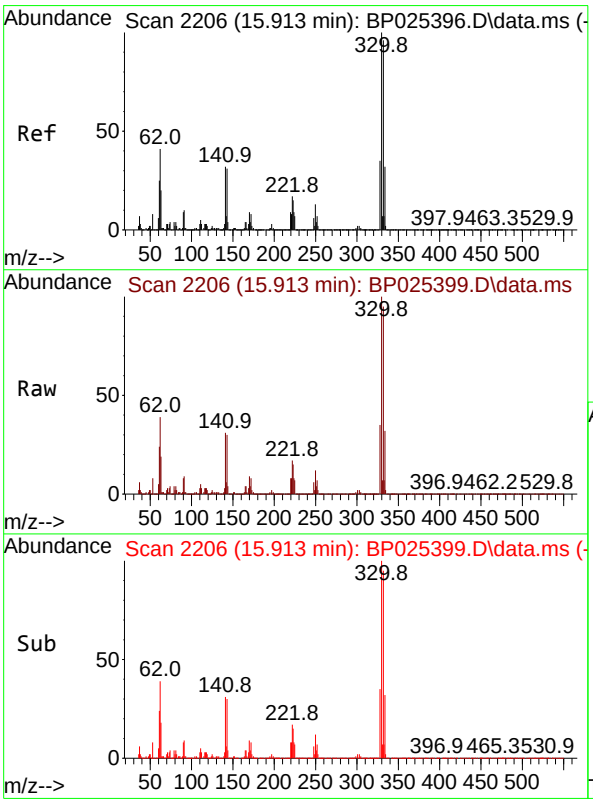
#41
Hexachlorocyclopentadiene
Concen: 87.916 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 668771

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	12.7	0.0	34.0

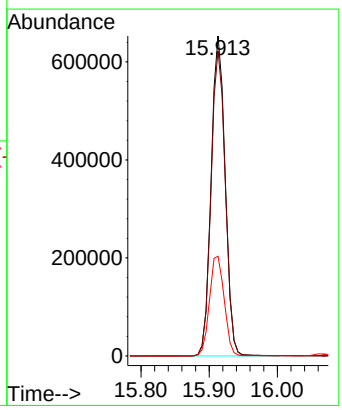


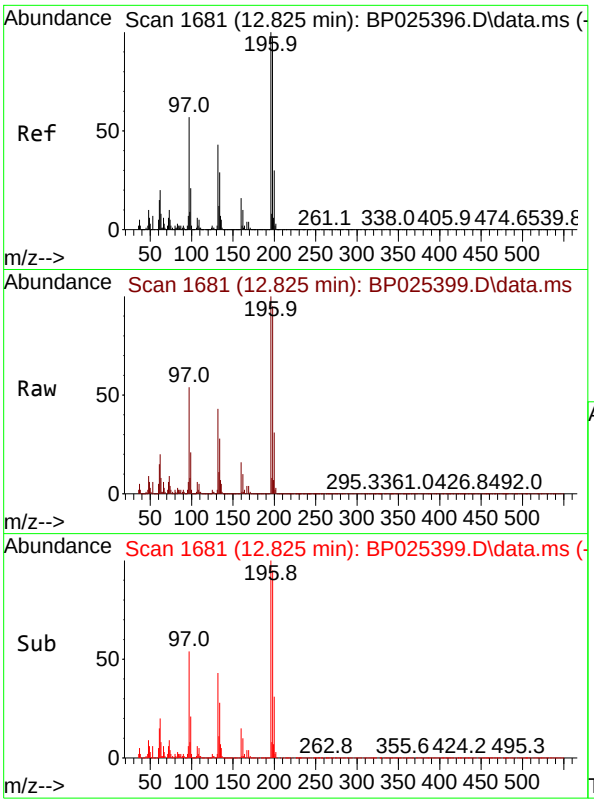


#42
2,4,6-Tribromophenol
Concen: 159.559 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:330 Resp: 936489

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	32.8	26.6	39.8



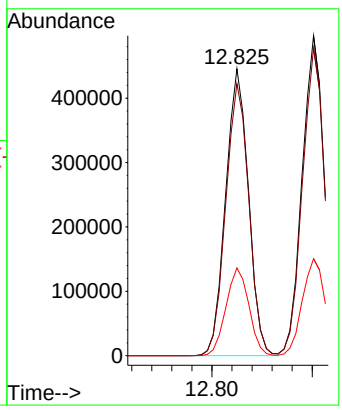


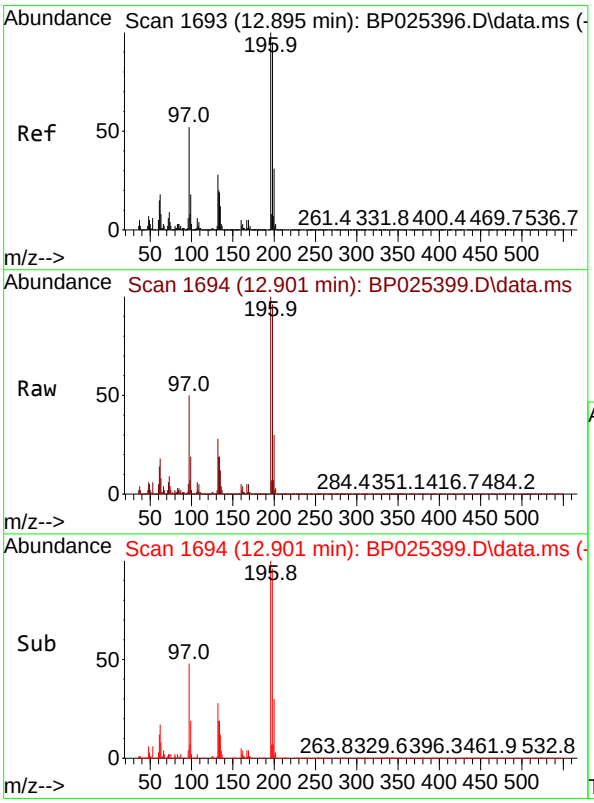
#43
2,4,6-Trichlorophenol
Concen: 83.096 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 706484

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	30.5	23.9	35.9

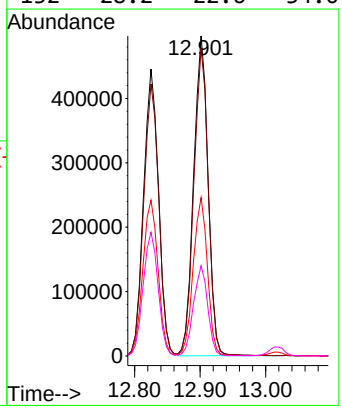


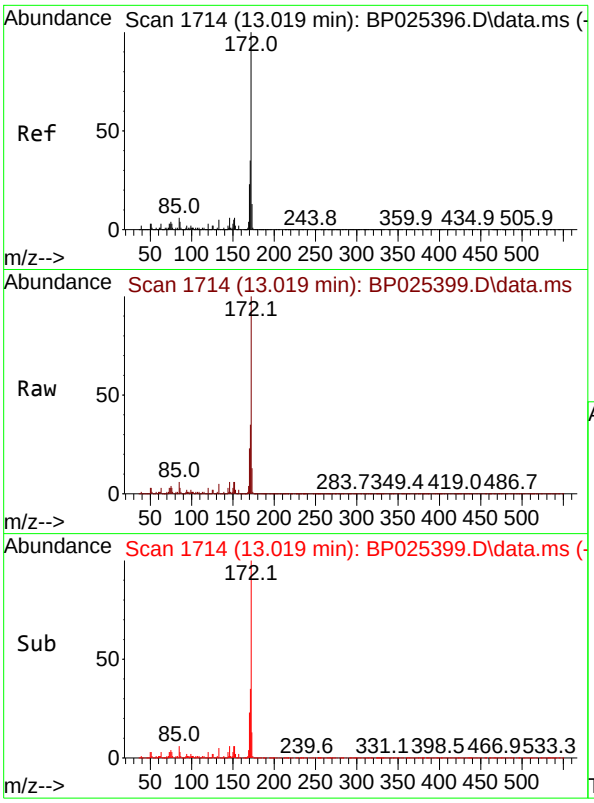


#44
2,4,5-Trichlorophenol
Concen: 81.870 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:196 Resp: 762861

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.2
97	49.5	41.2	61.8
132	28.2	22.6	34.0



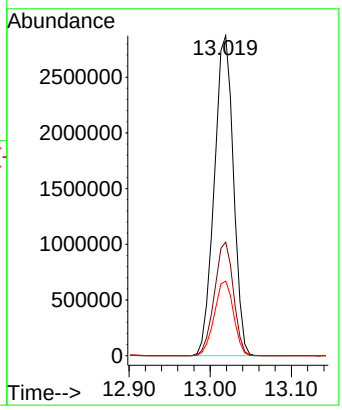


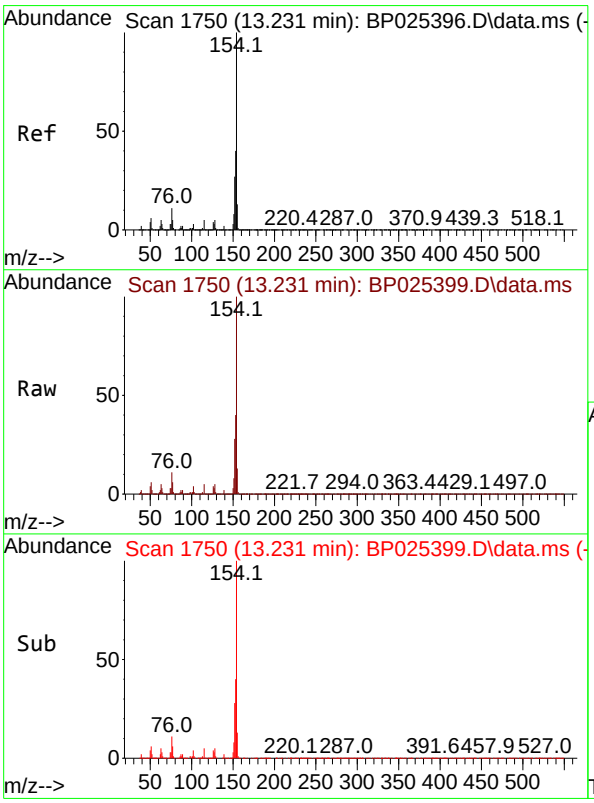
#45
2-Fluorobiphenyl
Concen: 147.705 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 4712591

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.3	18.6	28.0

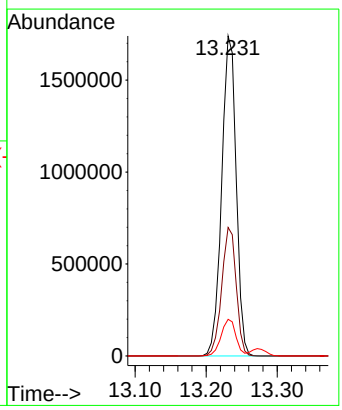


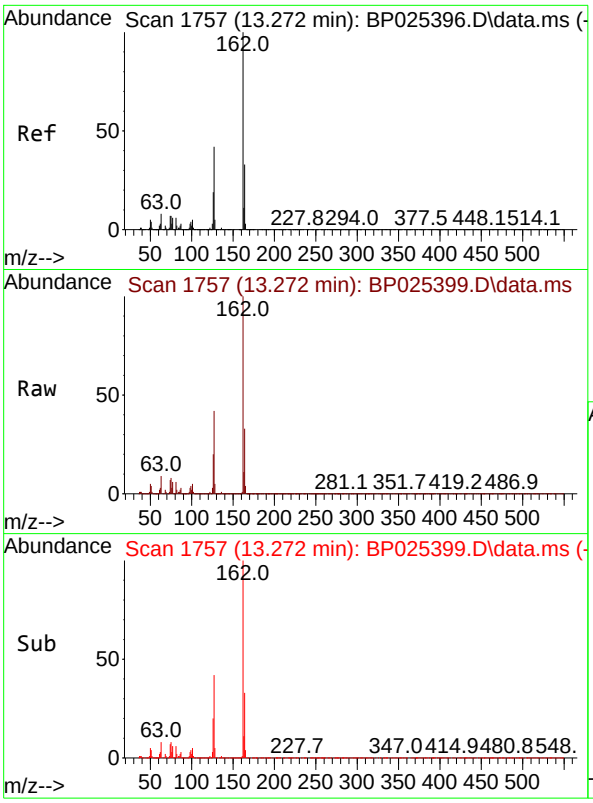


#46
1,1'-Biphenyl
Concen: 77.476 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 2453536

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.5	0.0	31.1



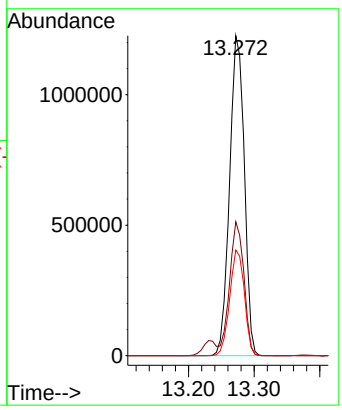


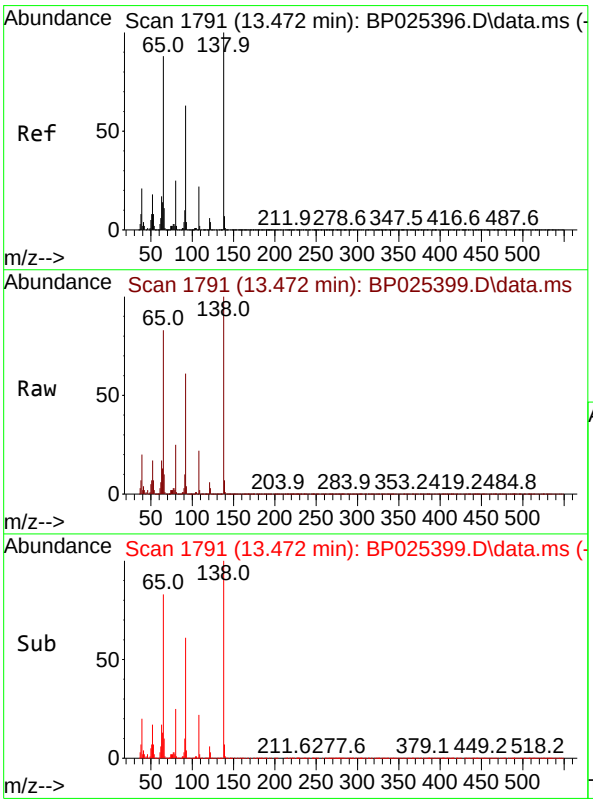
#47
2-Chloronaphthalene
Concen: 77.804 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1918120

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.4	50.2
164	33.0	26.2	39.2

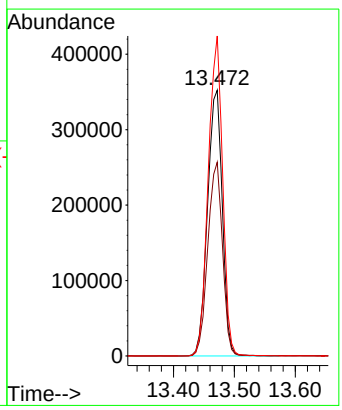


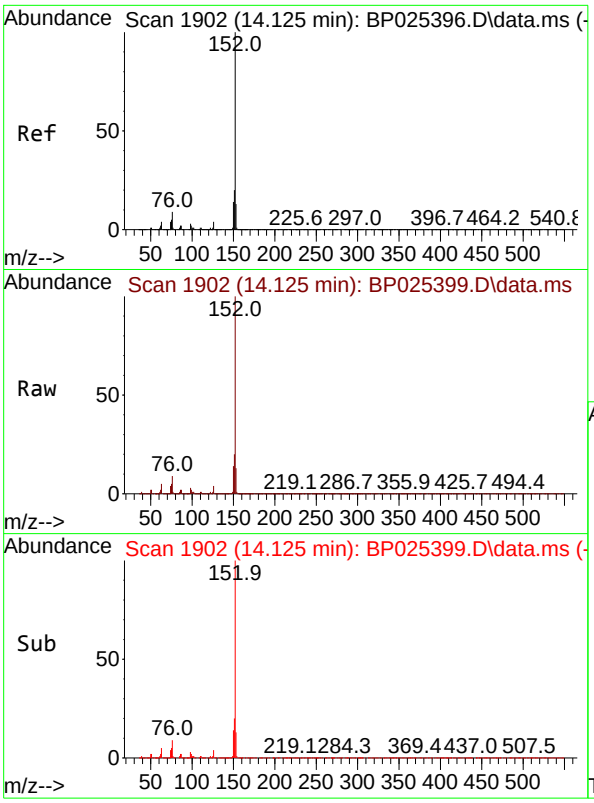


#48
2-Nitroaniline
Concen: 82.788 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion: 65 Resp: 594696

Ion	Ratio	Lower	Upper
65	100		
92	72.9	57.6	86.4
138	120.4	91.0	136.6



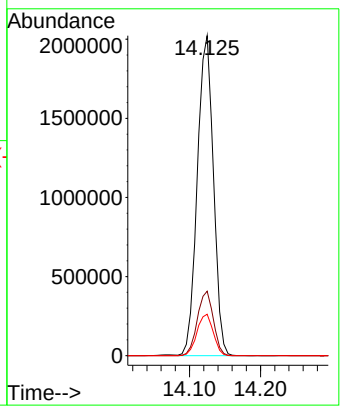


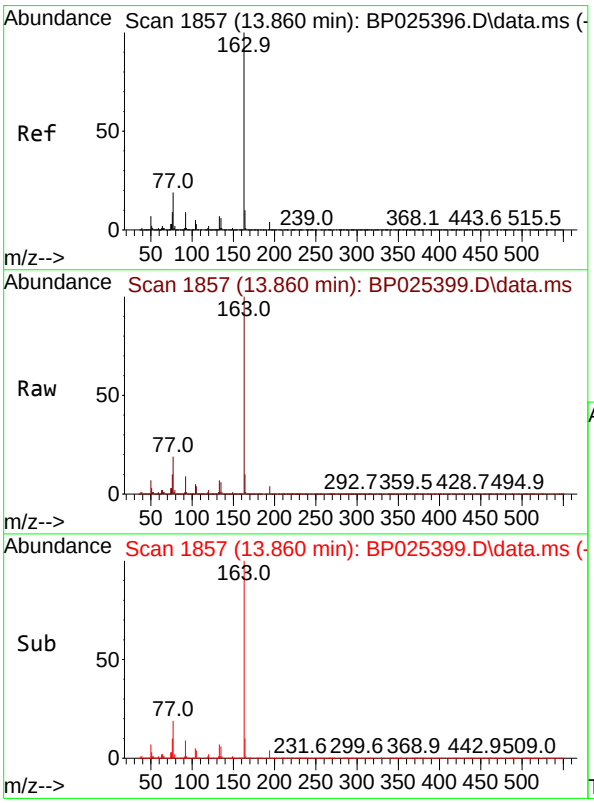
#49
Acenaphthylene
Concen: 78.318 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 3194918

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.0	10.6	15.8

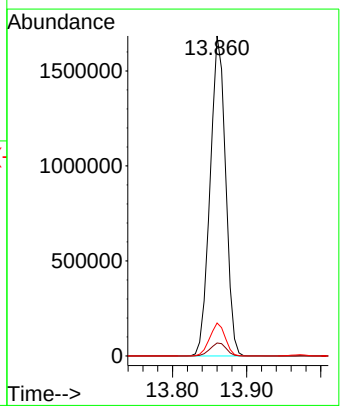


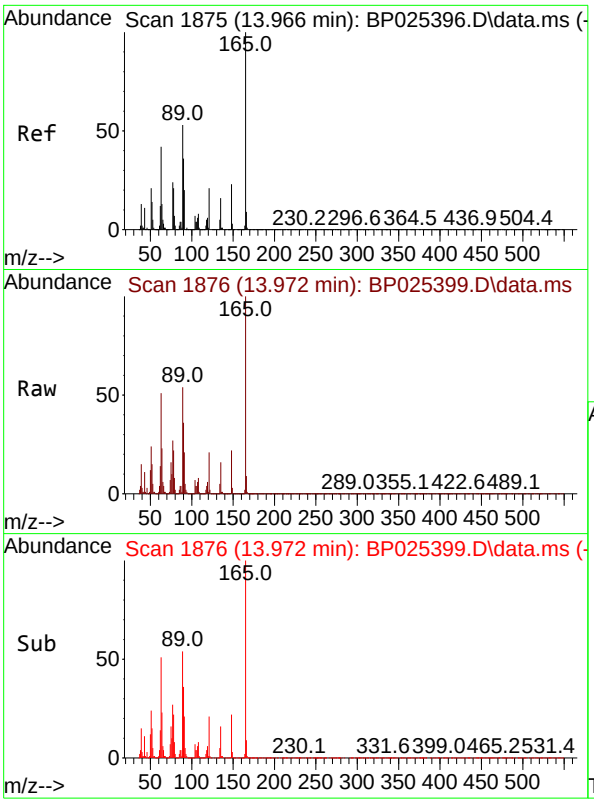


#50
Dimethylphthalate
Concen: 76.632 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:163 Resp: 2446951

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	7.9	11.9



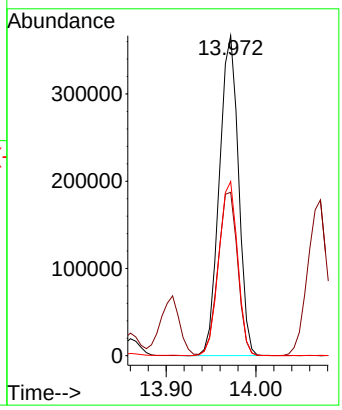


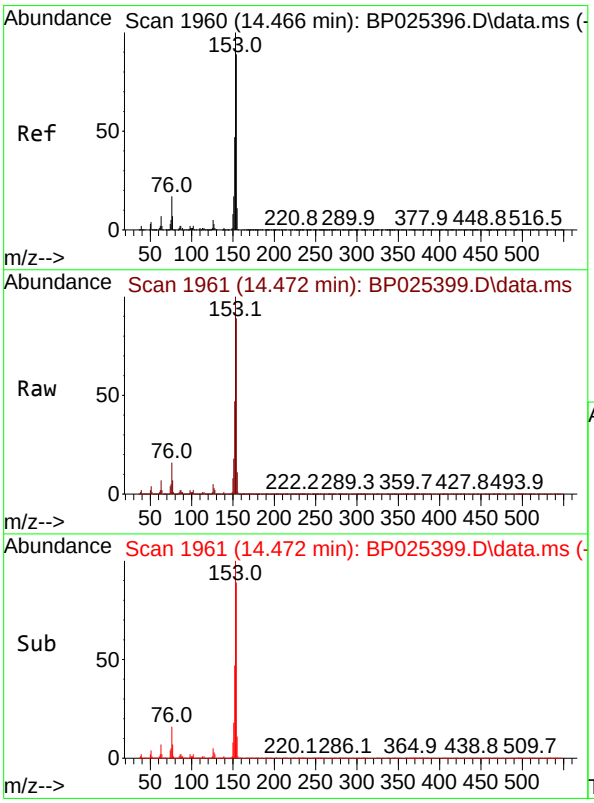
#51
2,6-Dinitrotoluene
Concen: 80.639 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 542710

Ion	Ratio	Lower	Upper
165	100		
63	51.0	40.9	61.3
89	54.4	42.1	63.1

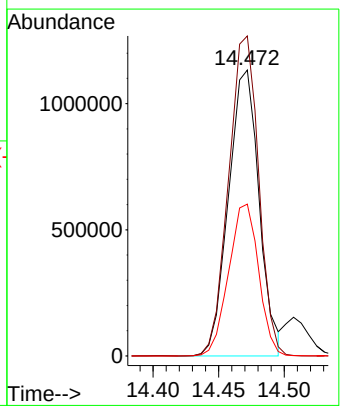


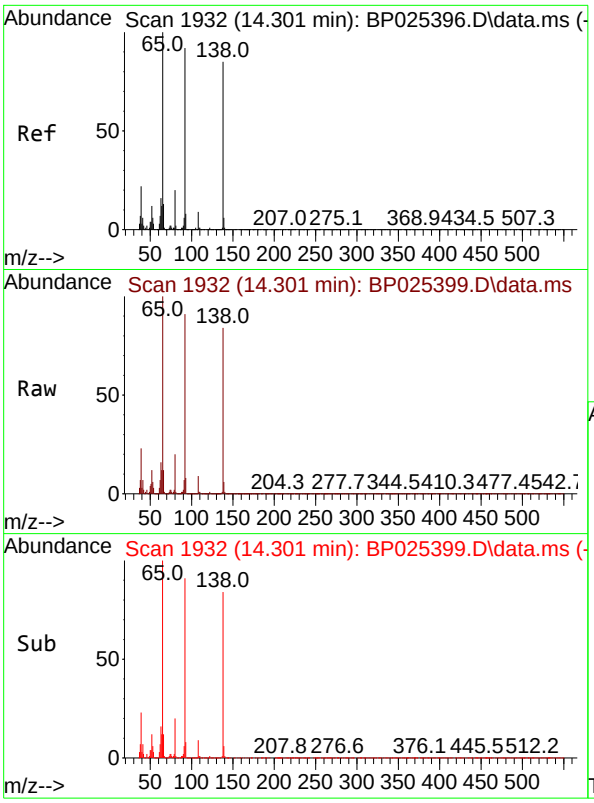


#52
Acenaphthene
Concen: 76.902 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:154 Resp: 1841448

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.1	42.1	63.1



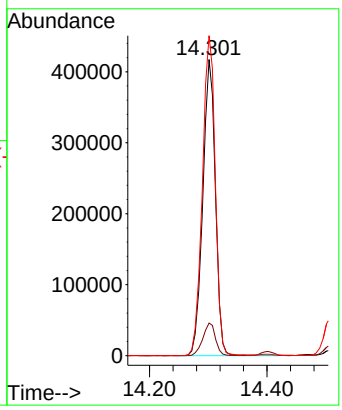


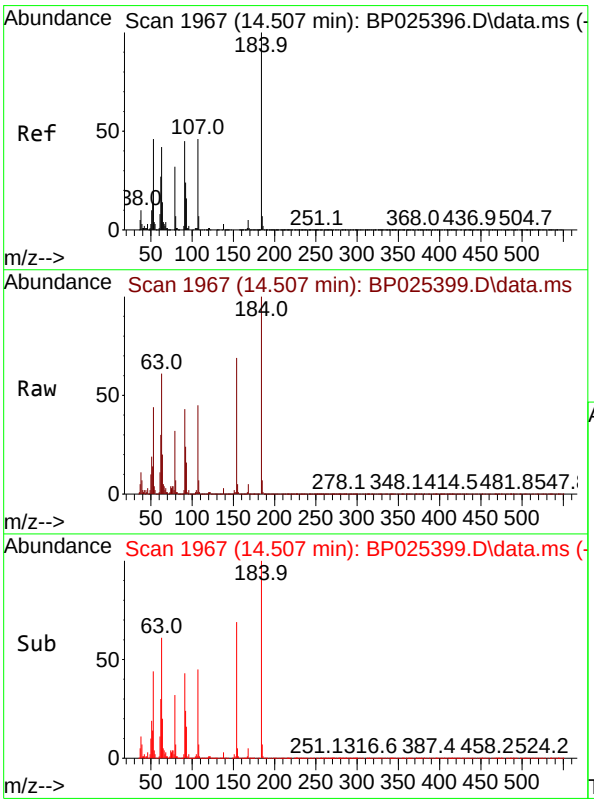
#53
3-Nitroaniline
Concen: 81.627 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 618087

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	108.1	86.2	129.2

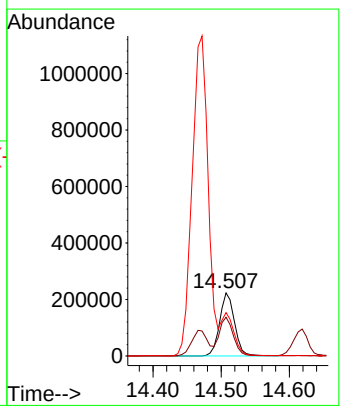


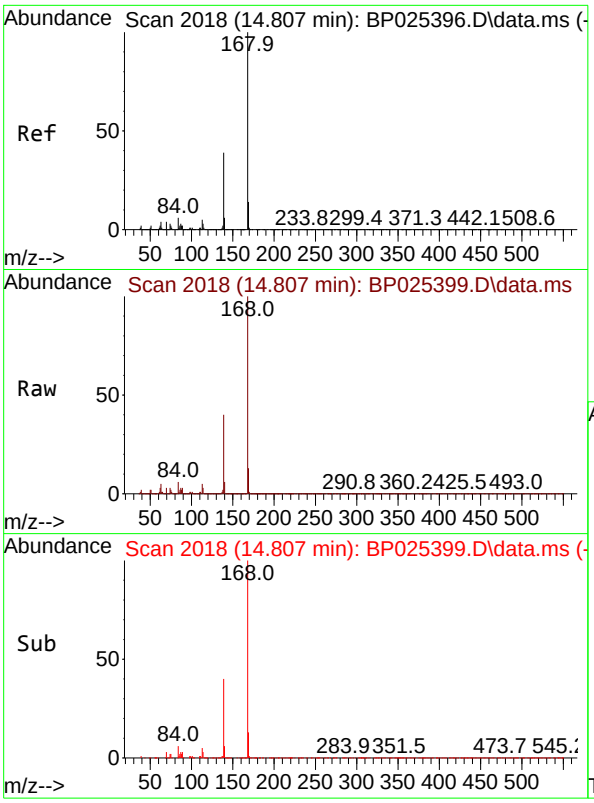


#54
2,4-Dinitrophenol
Concen: 94.356 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:184 Resp: 339125

Ion	Ratio	Lower	Upper
184	100		
63	61.4	49.4	74.2
154	68.6	54.6	82.0



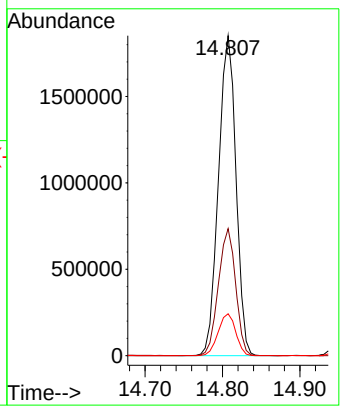


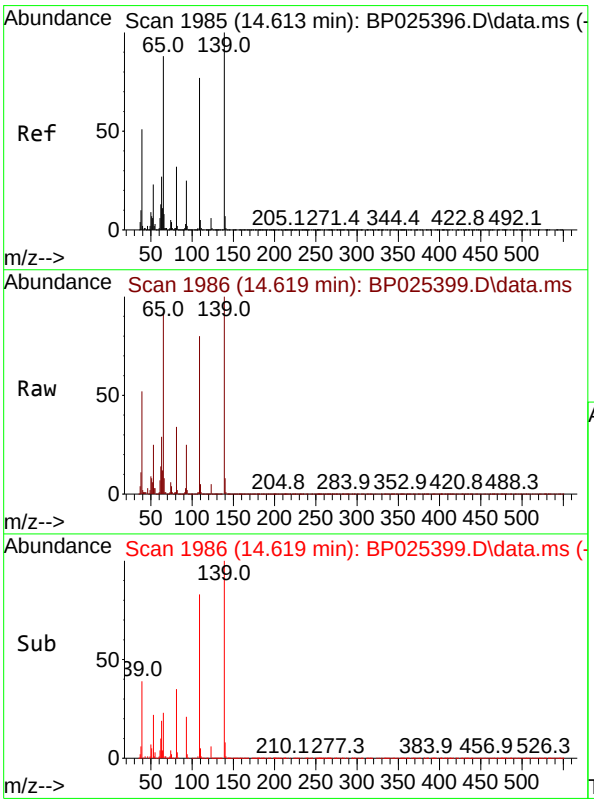
#55
Dibenzofuran
Concen: 77.023 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 2915933

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.5	47.3
169	13.1	10.9	16.3

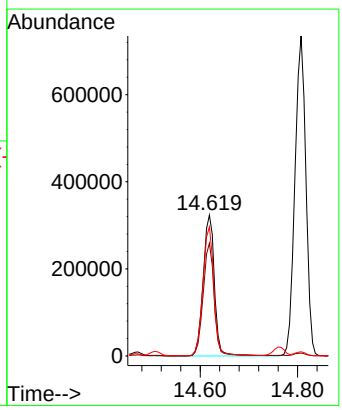


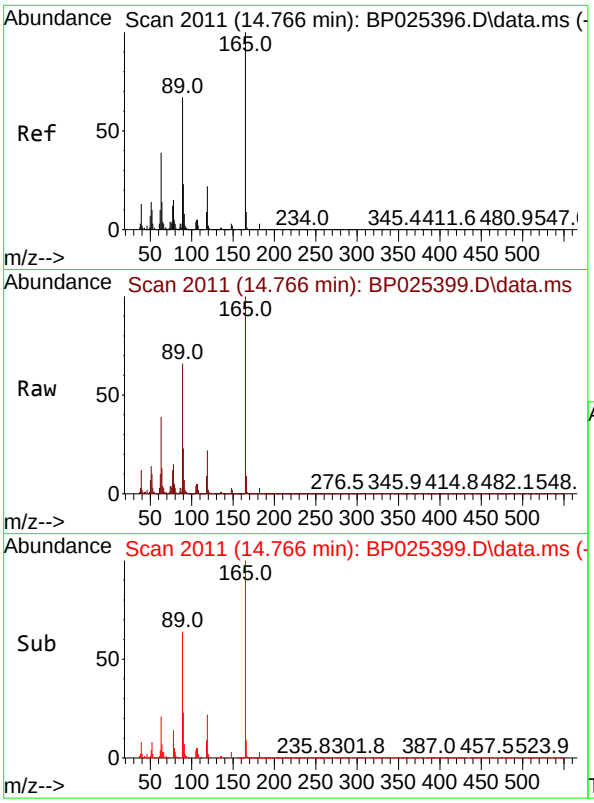


#56
4-Nitrophenol
Concen: 83.618 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:139 Resp: 520294

Ion	Ratio	Lower	Upper
139	100		
109	80.0	56.6	96.6
65	91.5	68.2	108.2



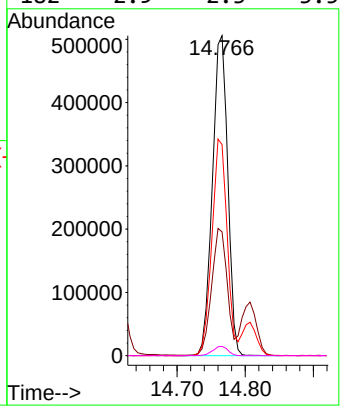


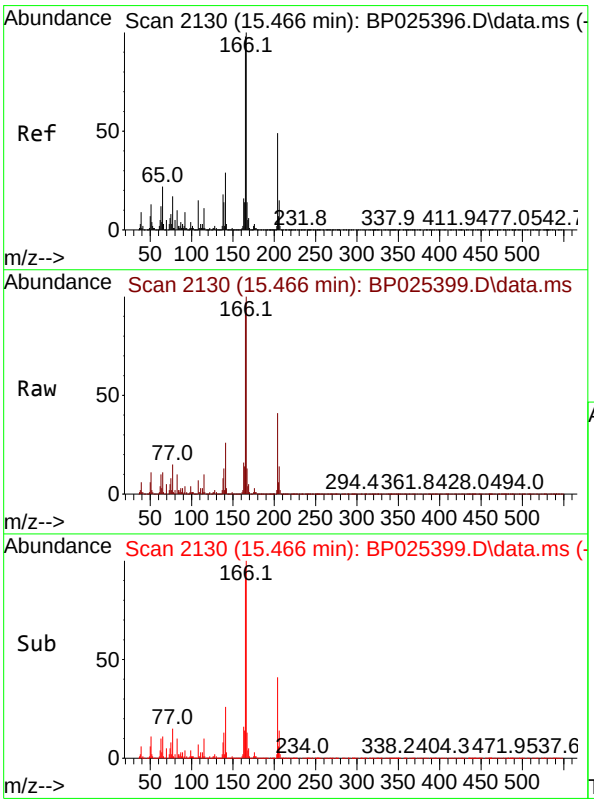
#57
2,4-Dinitrotoluene
Concen: 82.399 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 791214

Ion	Ratio	Lower	Upper
165	100		
63	38.7	31.4	47.2
89	66.0	53.3	79.9
182	2.9	2.3	3.5

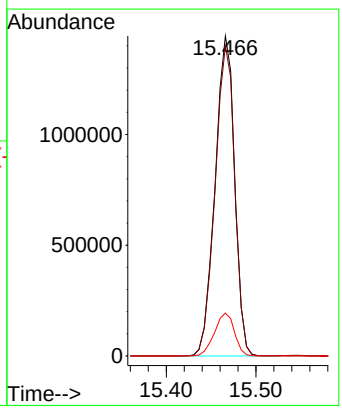


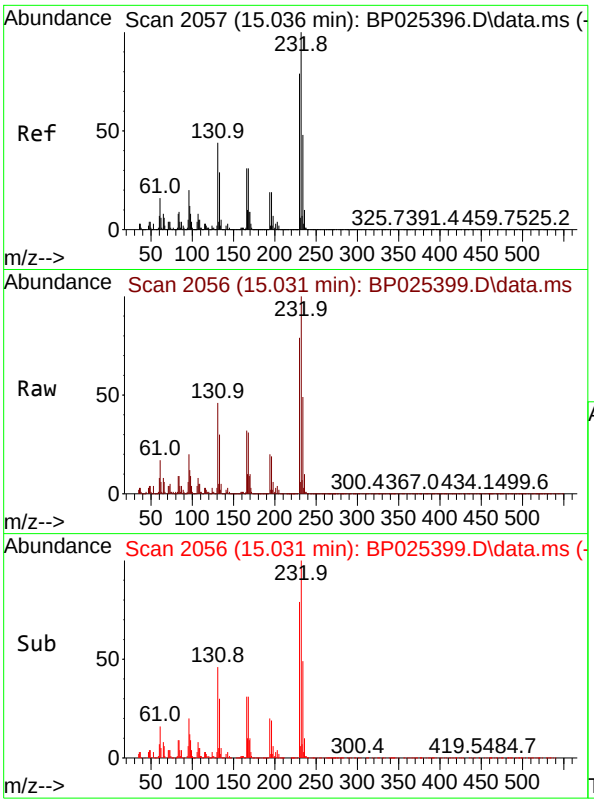


#58
Fluorene
Concen: 73.164 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:166 Resp: 2185593

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.4	11.0	16.4



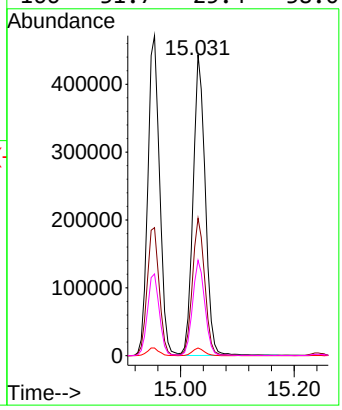


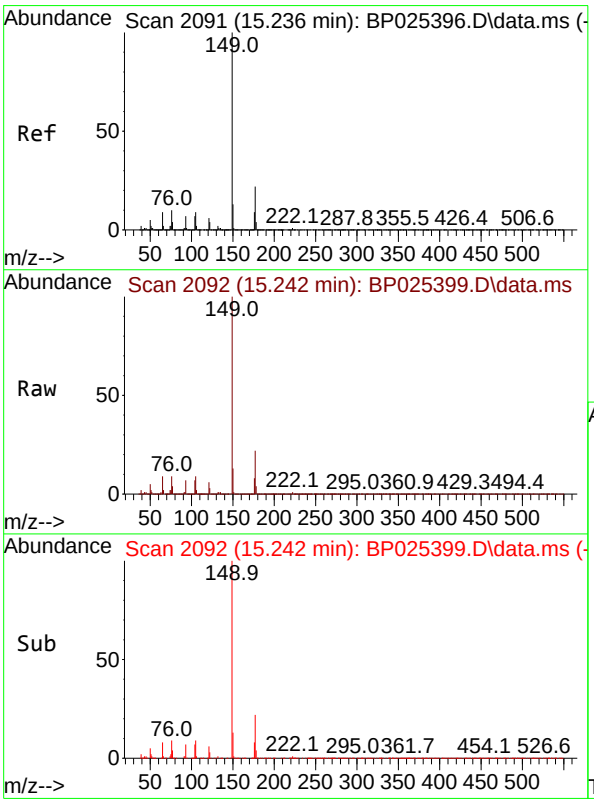
#59
2,3,4,6-Tetrachlorophenol
Concen: 80.448 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 661890

Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.0	55.6
130	2.5	1.9	2.9
166	31.7	25.4	38.0

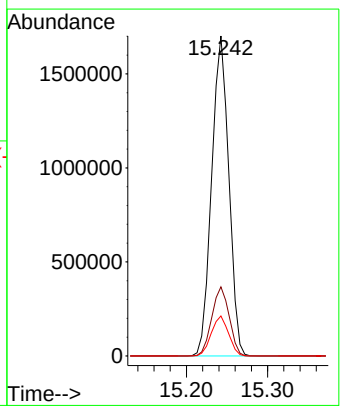


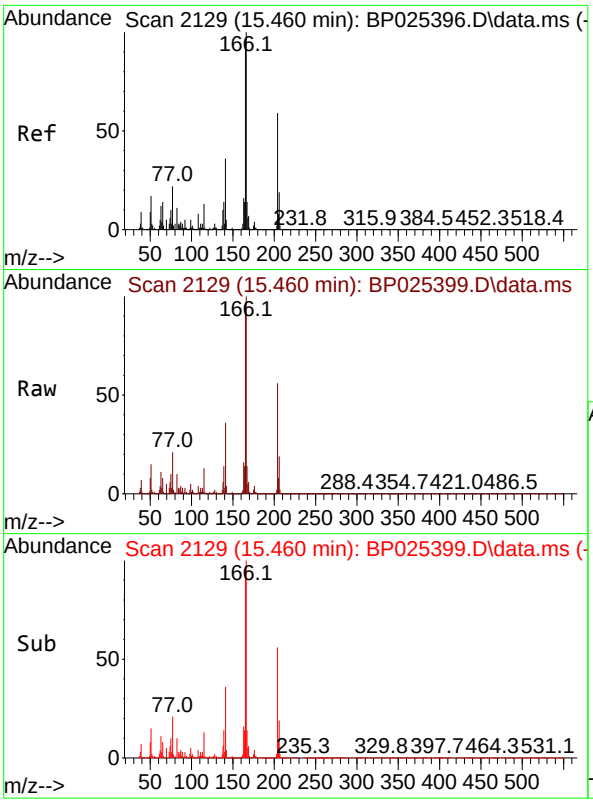


#60
Diethylphthalate
Concen: 76.870 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2494087

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5



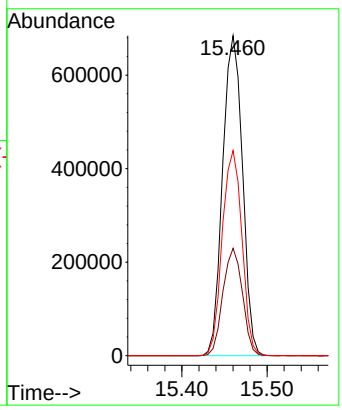


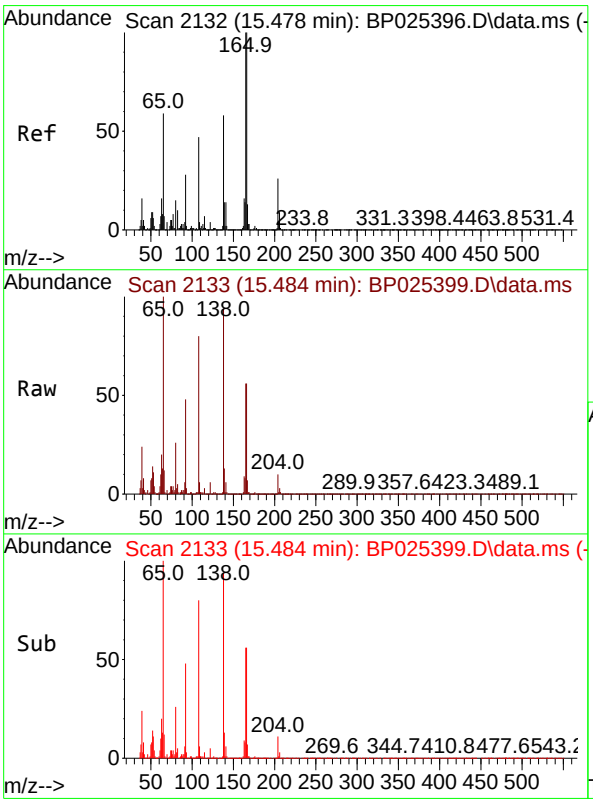
#61
4-Chlorophenyl-phenylether
Concen: 74.388 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1105157

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.8
141	64.1	49.4	74.2

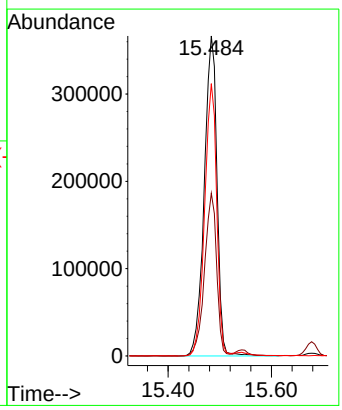


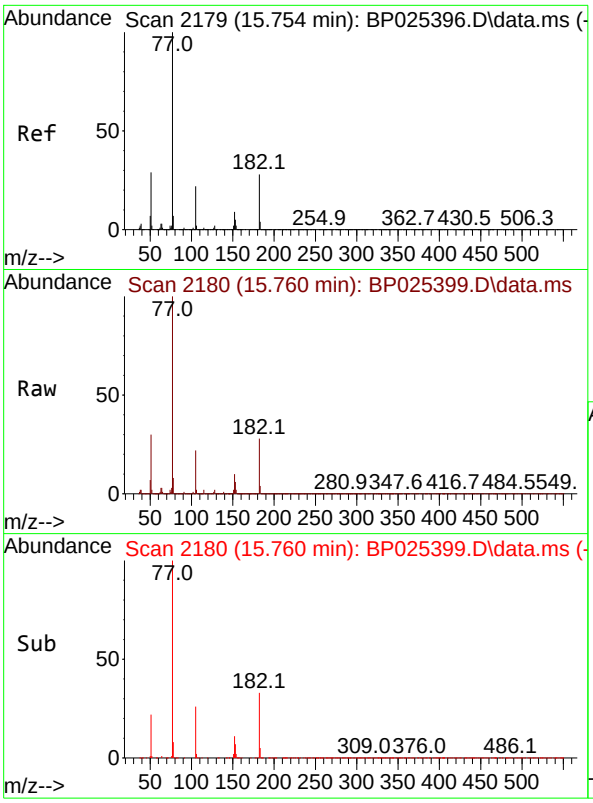


#62
4-Nitroaniline
Concen: 80.710 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:138 Resp: 626525

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.1	69.1
108	85.1	61.5	101.5



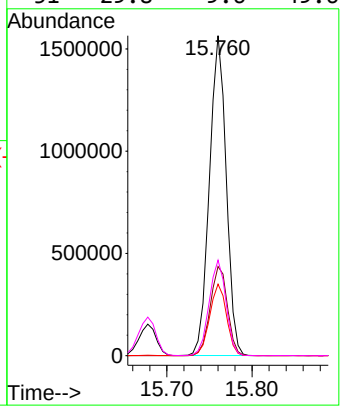


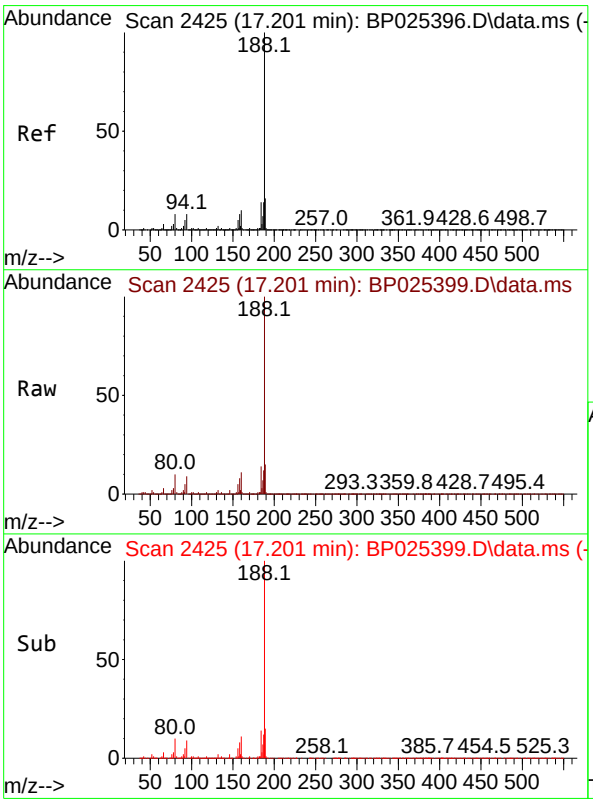
#63
Azobenzene
Concen: 77.017 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 2139674

Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	22.3	2.1	42.1
51	29.8	9.6	49.6

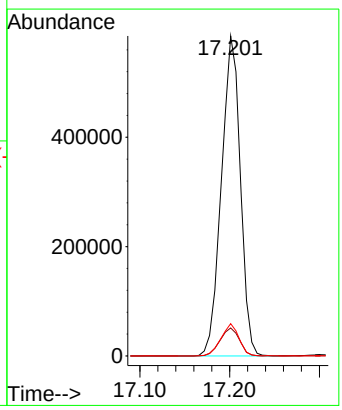


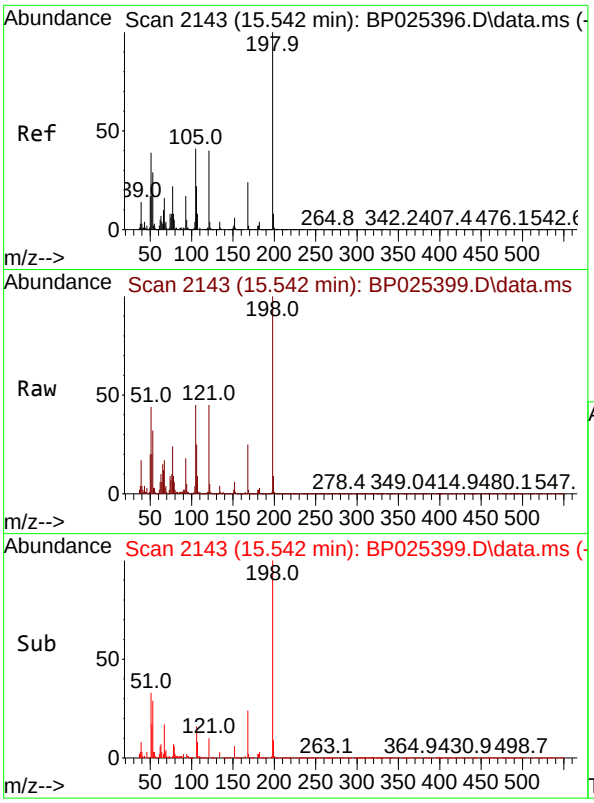


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:188 Resp: 856946

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	10.1	6.7	10.1#



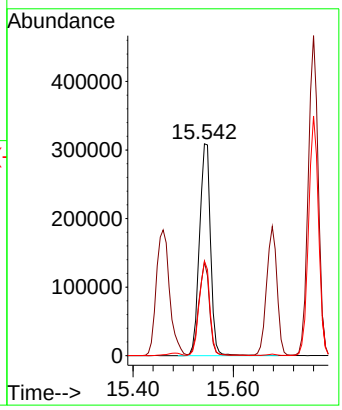


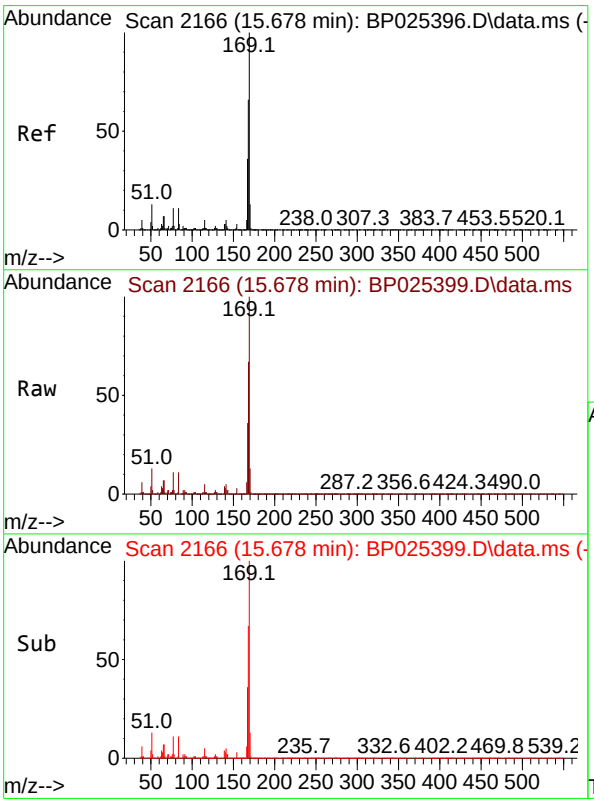
#65
4,6-Dinitro-2-methylphenol
Concen: 88.473 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 472602

Ion	Ratio	Lower	Upper
198	100		
51	44.3	19.6	59.6
105	44.6	20.9	60.9

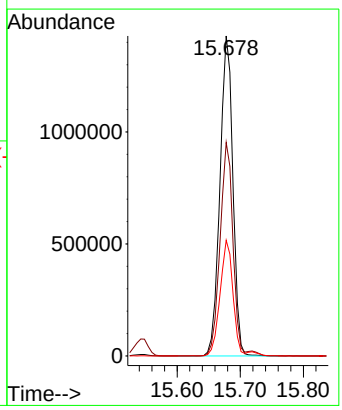


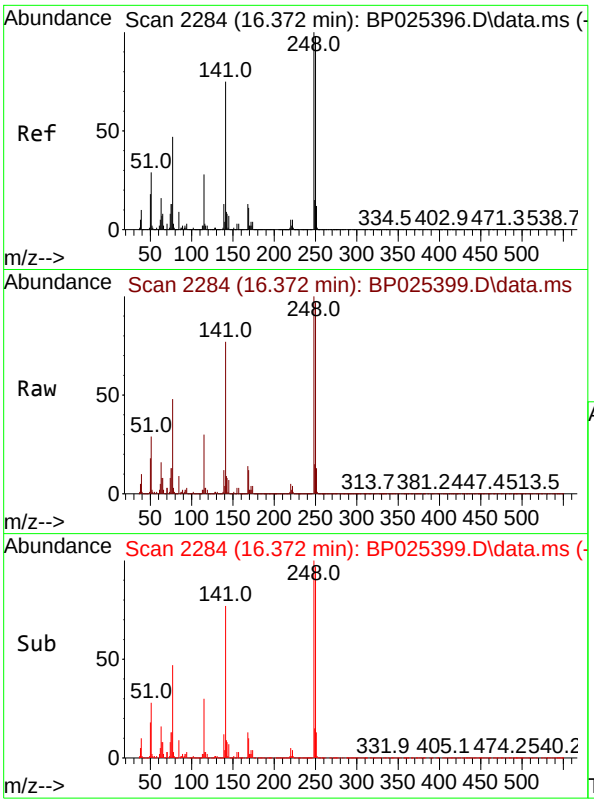


#66
n-Nitrosodiphenylamine
Concen: 77.866 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:169 Resp: 2034782

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.2	79.8
167	36.2	28.7	43.1



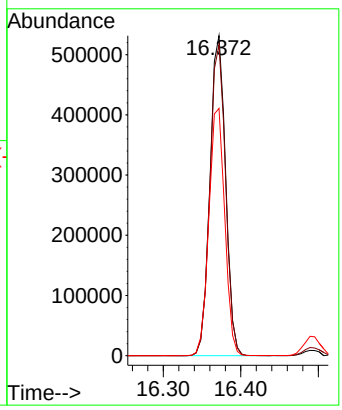


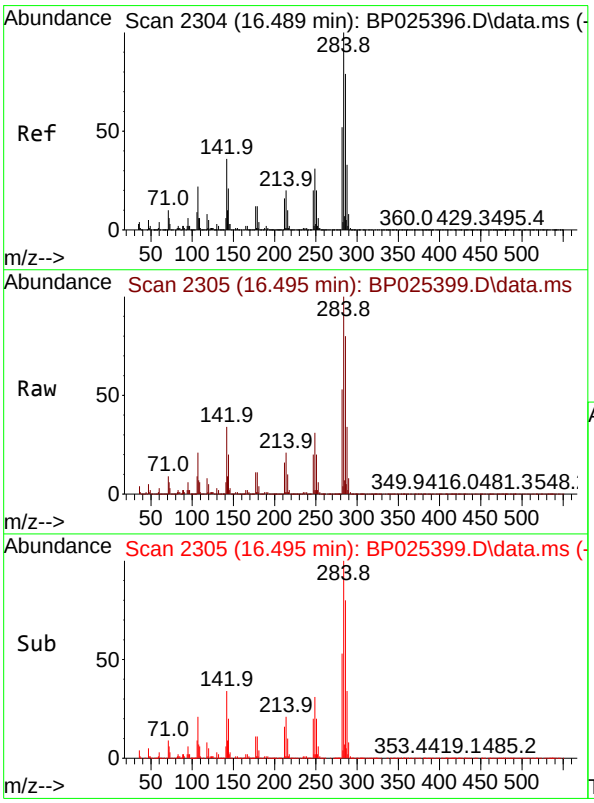
#67
4-Bromophenyl-phenylether
Concen: 79.144 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 745915

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.2
141	77.2	59.6	89.4

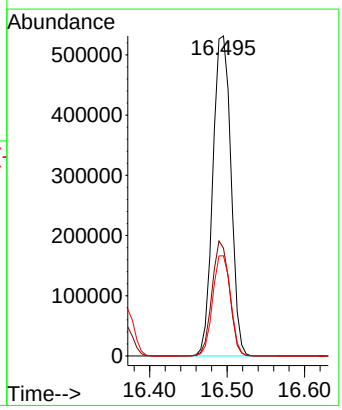


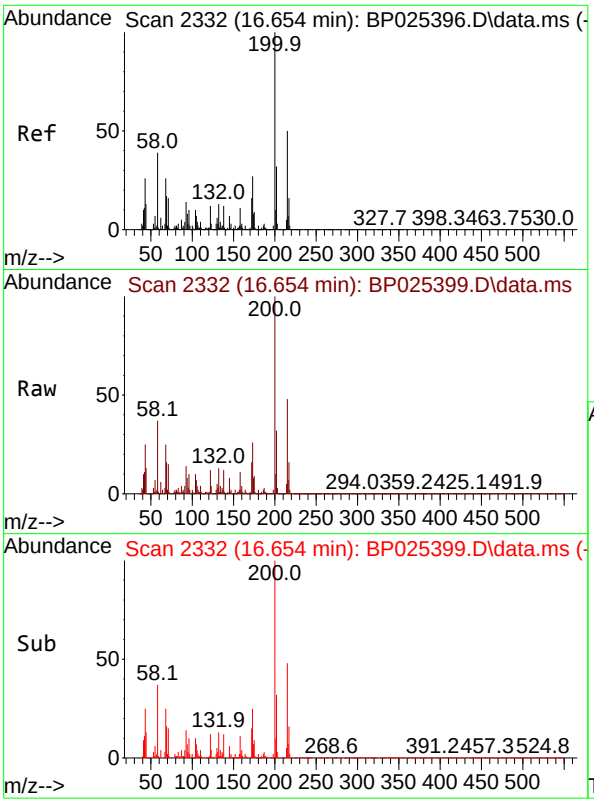


#68
Hexachlorobenzene
Concen: 78.721 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:284 Resp: 860051

Ion	Ratio	Lower	Upper
284	100		
142	33.7	29.1	43.7
249	31.3	25.0	37.4



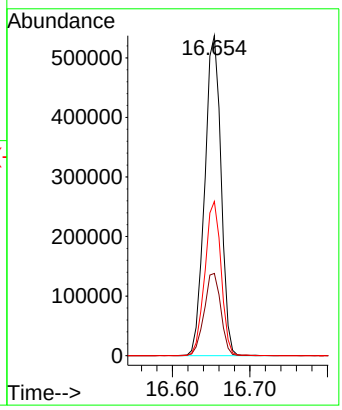


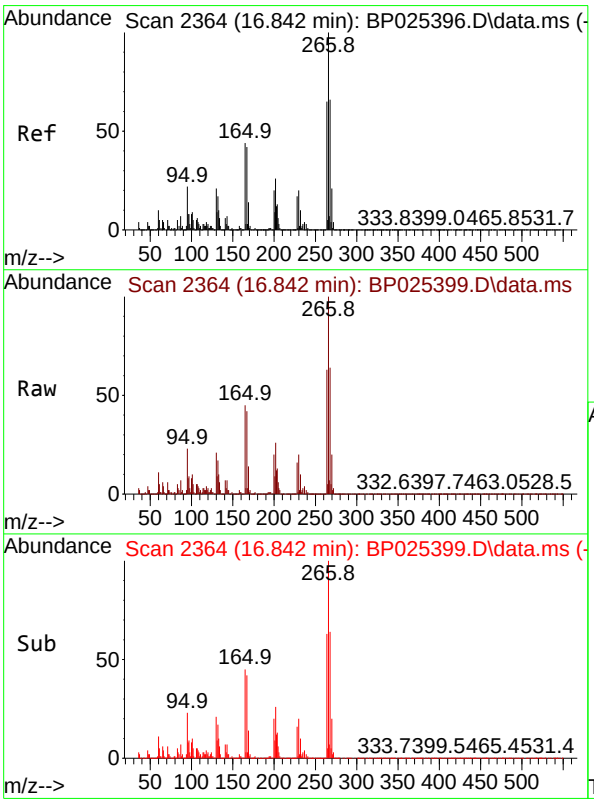
#69
Atrazine
Concen: 80.064 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 783533

Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.7	46.7
215	48.2	29.7	69.7

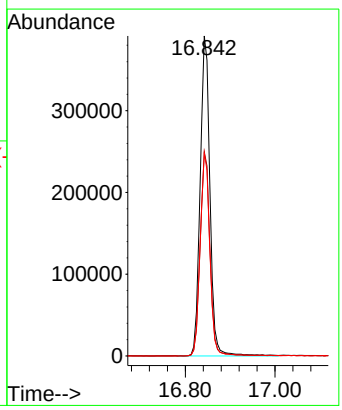


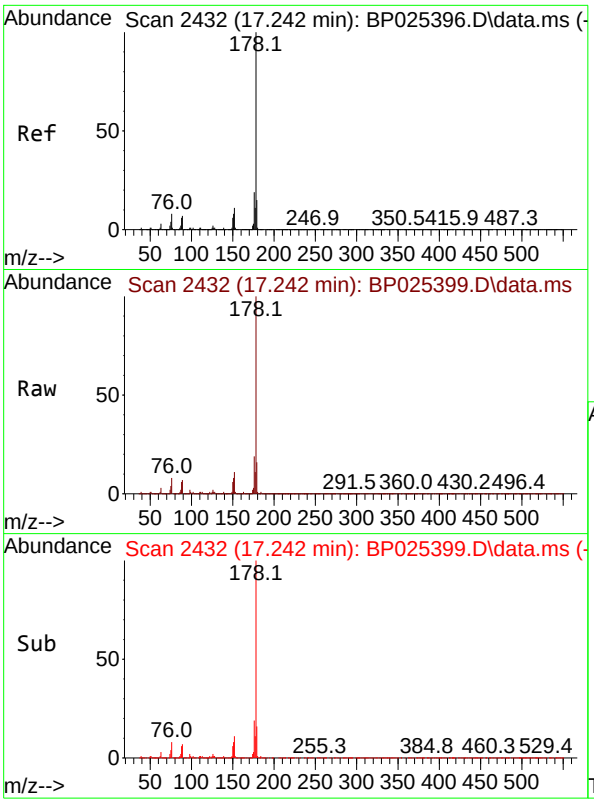


#70
Pentachlorophenol
Concen: 85.502 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:266 Resp: 589673

Ion	Ratio	Lower	Upper
266	100		
268	63.8	52.6	79.0
264	63.4	52.0	78.0



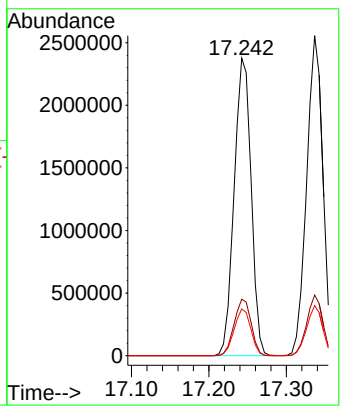


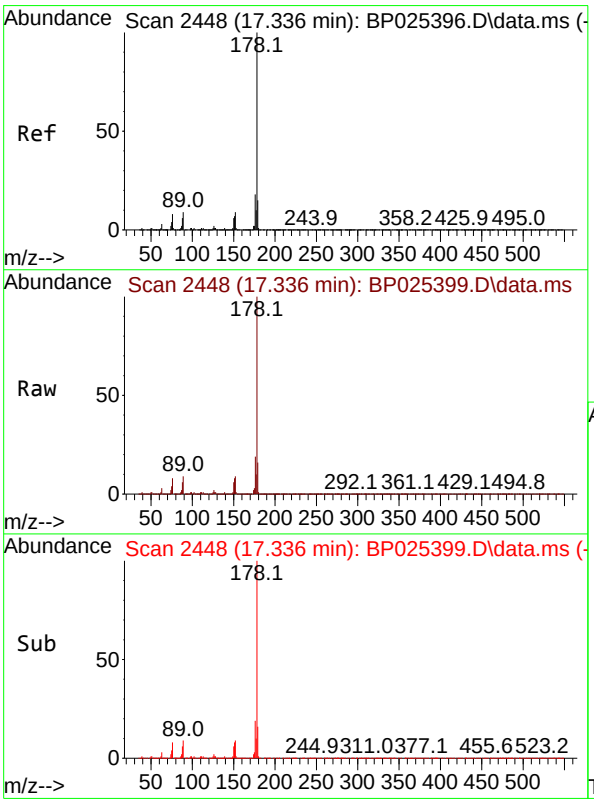
#71
Phenanthrene
Concen: 76.972 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 3623454

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.7	12.2	18.4

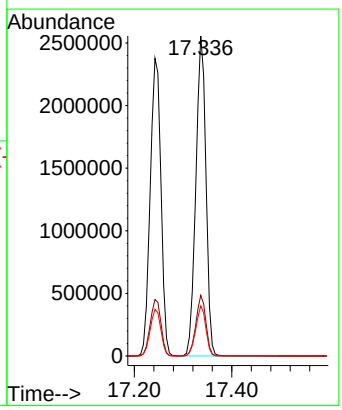


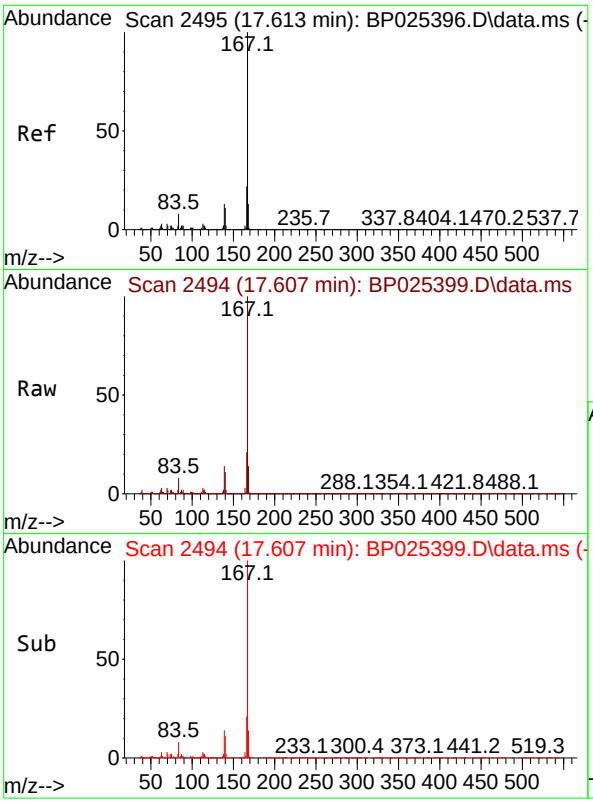


#72
Anthracene
Concen: 77.014 ng
RT: 17.336 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:178 Resp: 3702277

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.2	18.2



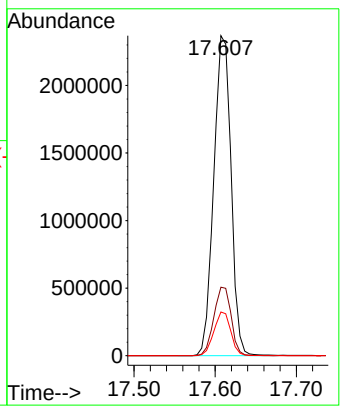


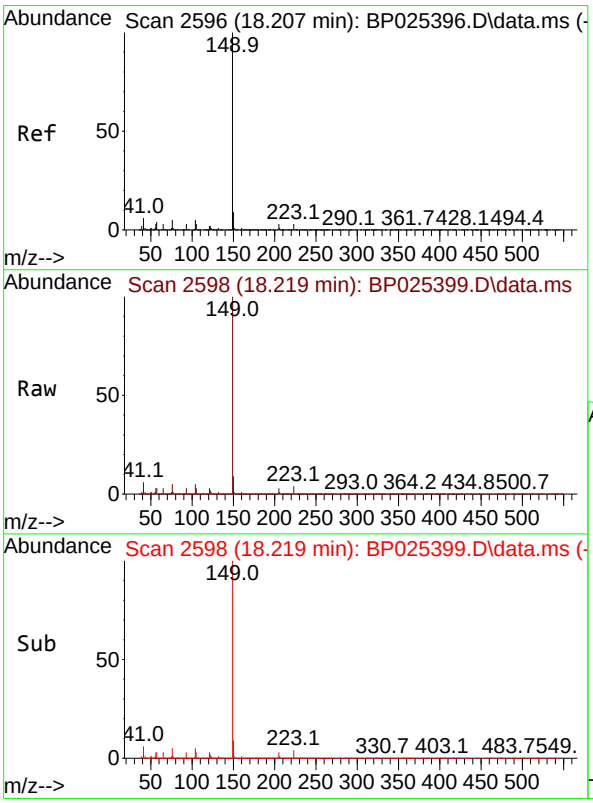
#73
Carbazole
Concen: 77.368 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 3503273

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.7	10.6	16.0

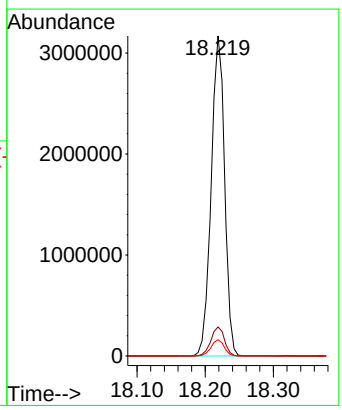


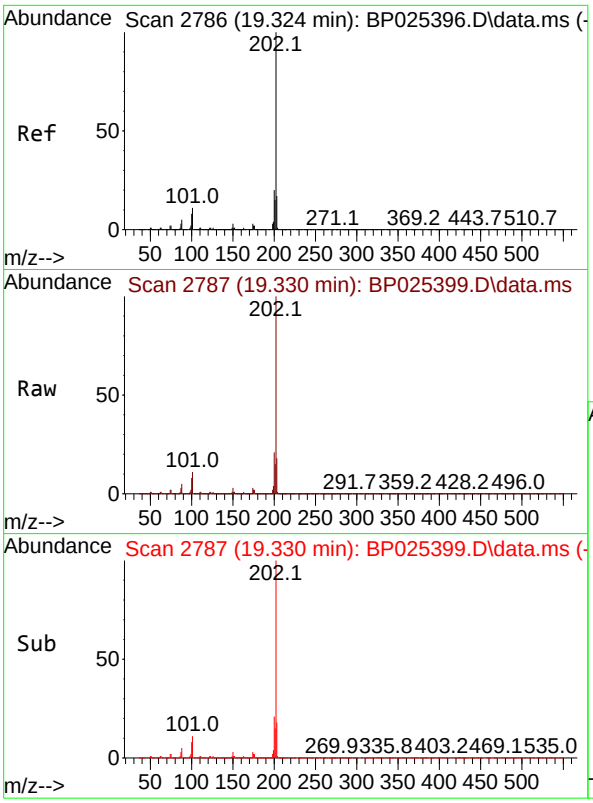


#74
Di-n-butylphthalate
Concen: 77.844 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 4336701

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2



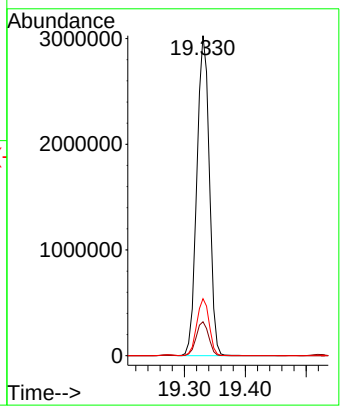


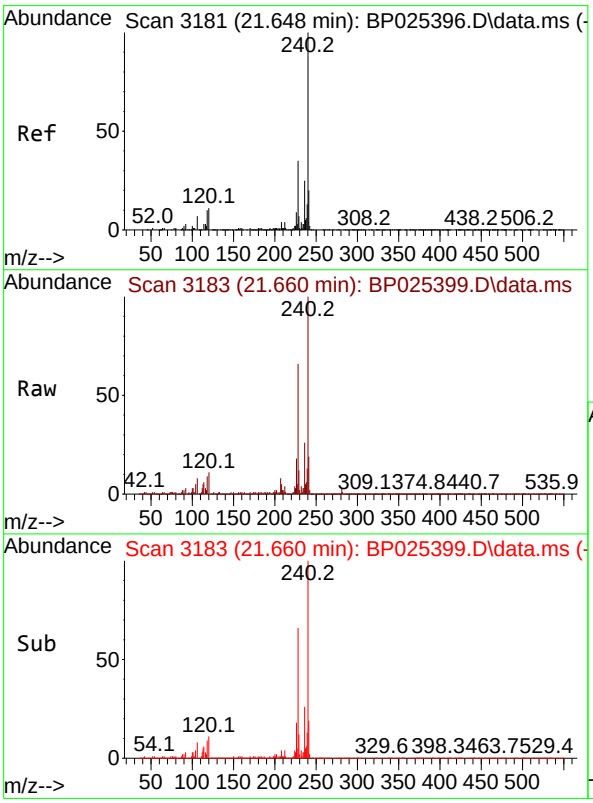
#75
Fluoranthene
Concen: 76.815 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 4313301

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.1
203	17.8	0.0	37.3

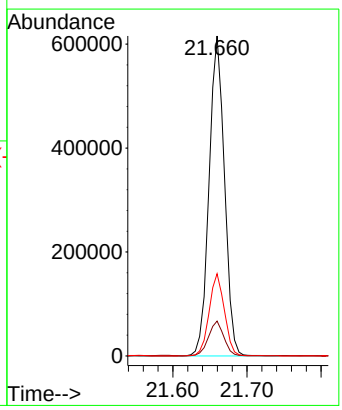


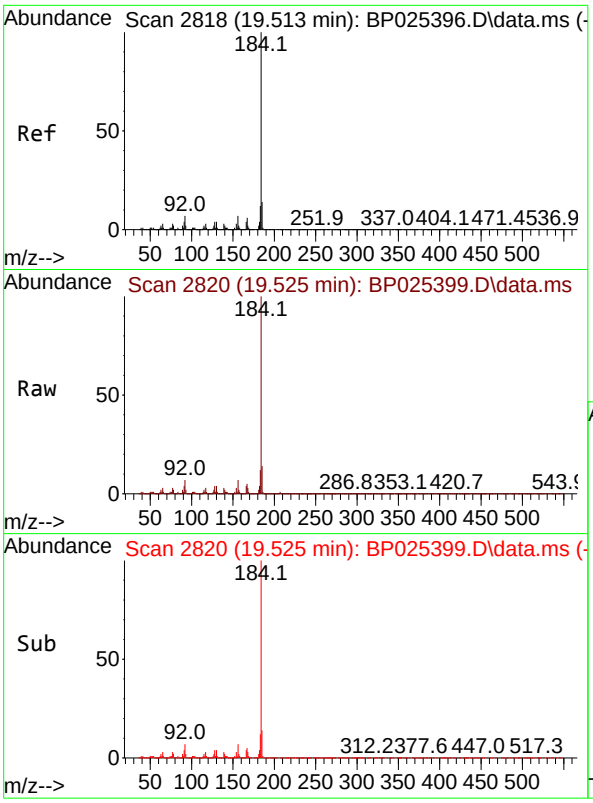


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.660 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:240 Resp: 888879

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.7	19.8	29.8



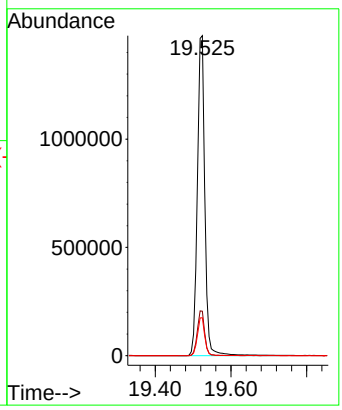


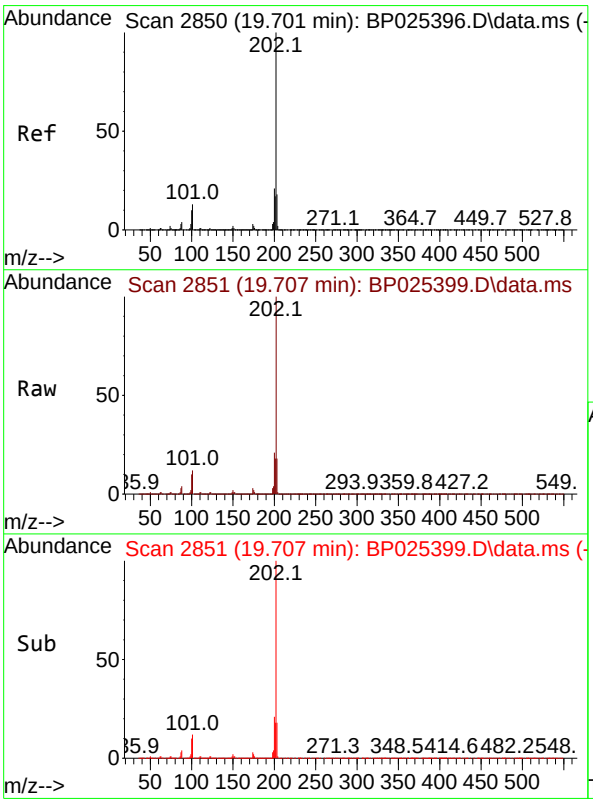
#77
Benzidine
Concen: 67.124 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 2036246

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.9	9.4	14.2

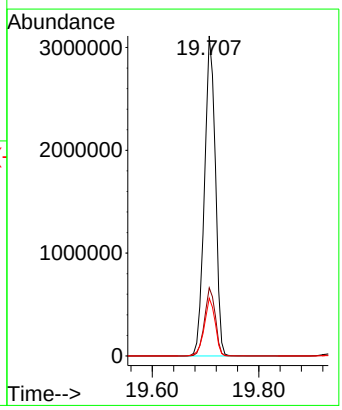


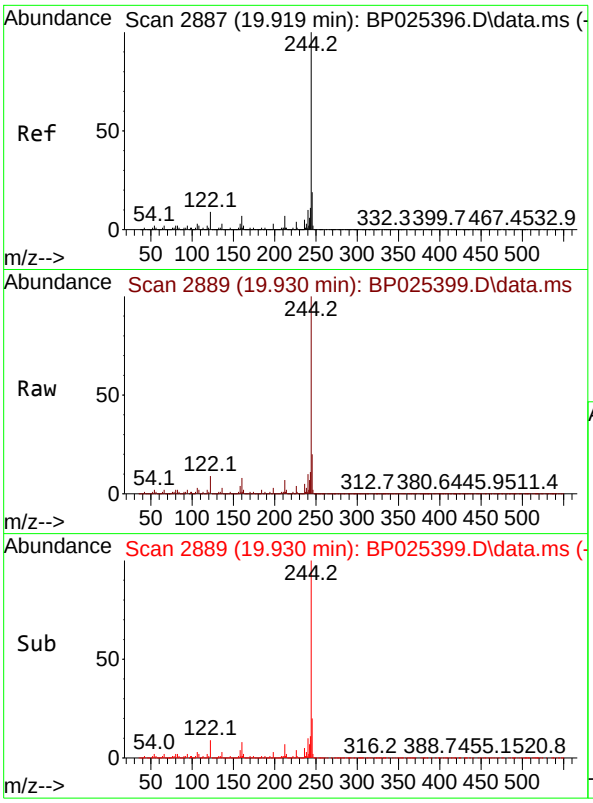


#78
Pyrene
Concen: 76.343 ng
RT: 19.707 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:202 Resp: 4410693

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.9	25.3
203	18.1	14.2	21.2



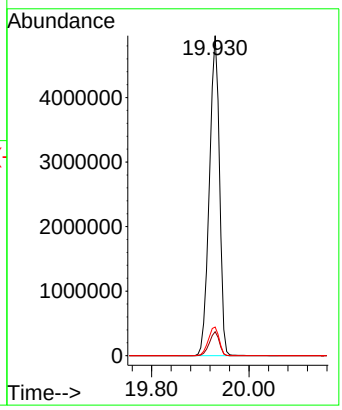


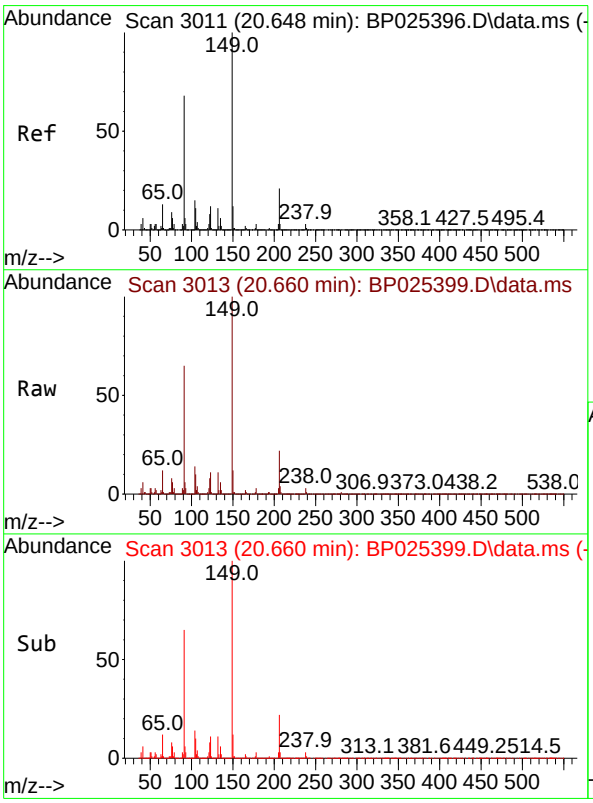
#79
Terphenyl-d14
Concen: 146.217 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 7103816

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.0	7.4	11.2

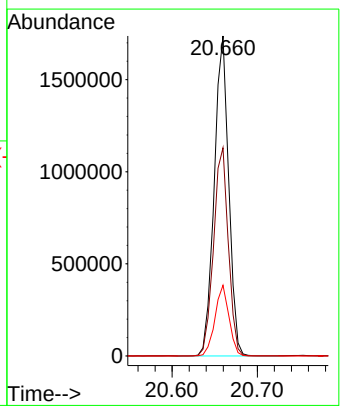


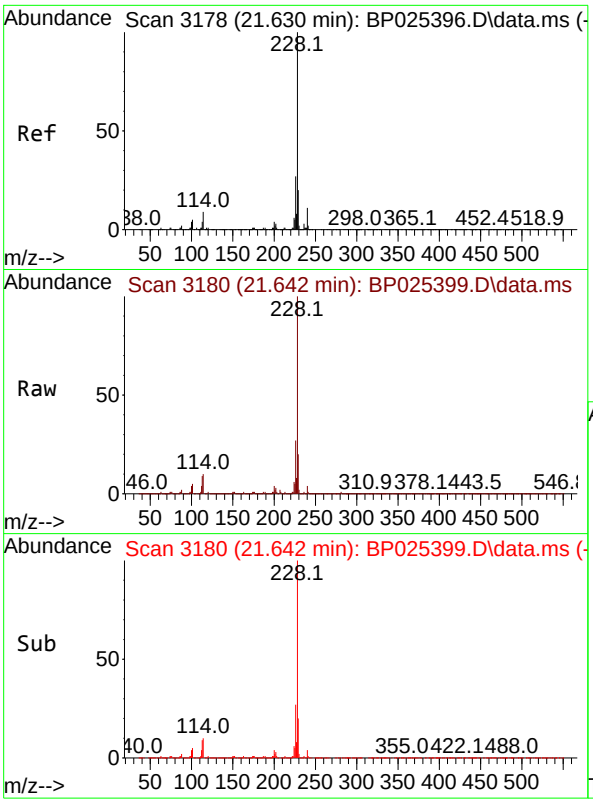


#80
Butylbenzylphthalate
Concen: 78.460 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 2054404

Ion	Ratio	Lower	Upper
149	100		
91	65.0	54.2	81.2
206	22.1	16.6	24.8



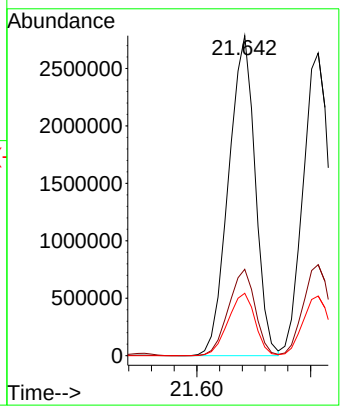


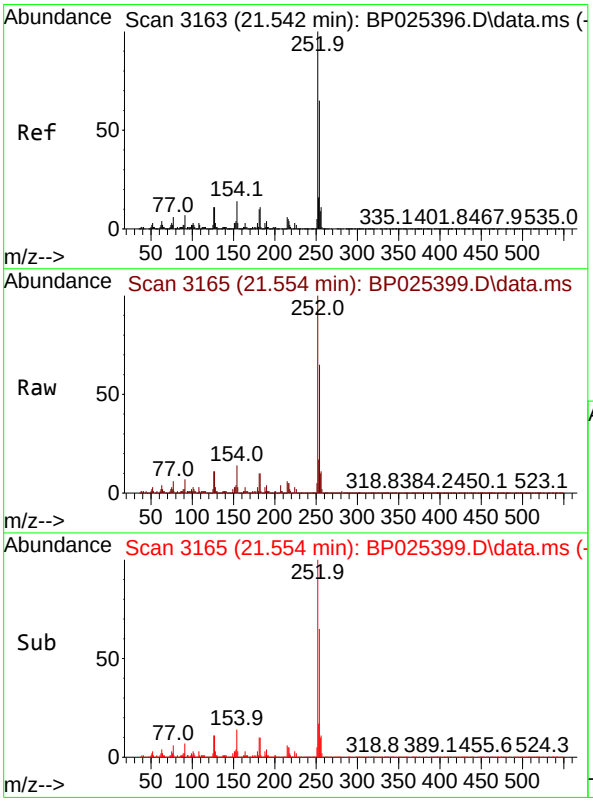
#81
Benzo(a)anthracene
Concen: 77.322 ng
RT: 21.642 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 4532763

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4

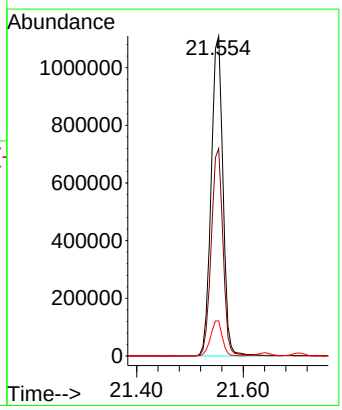


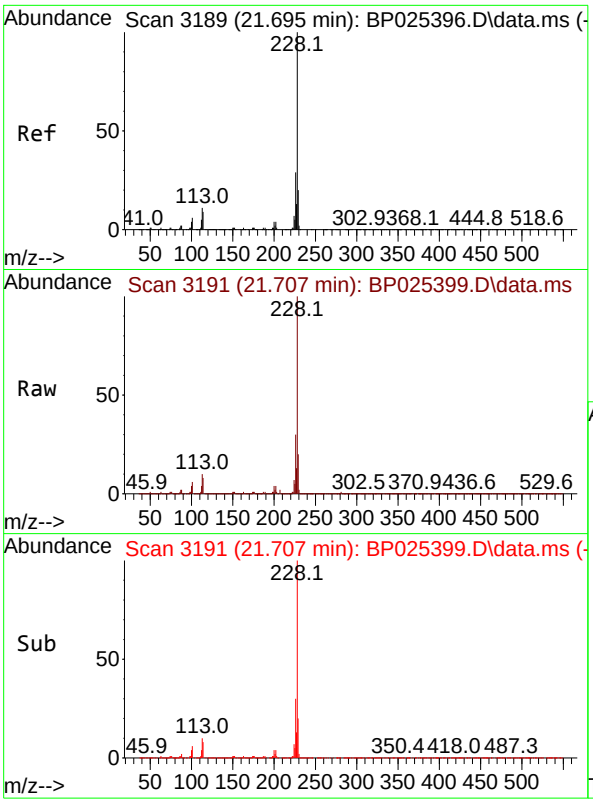


#82
3,3'-Dichlorobenzidine
Concen: 77.197 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 1705746

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	11.0	9.1	13.7



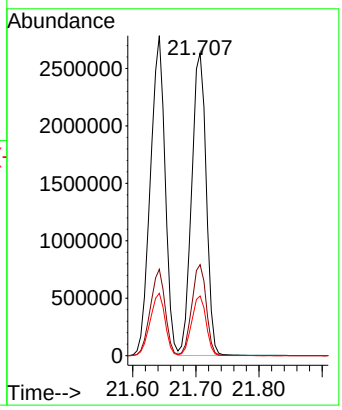


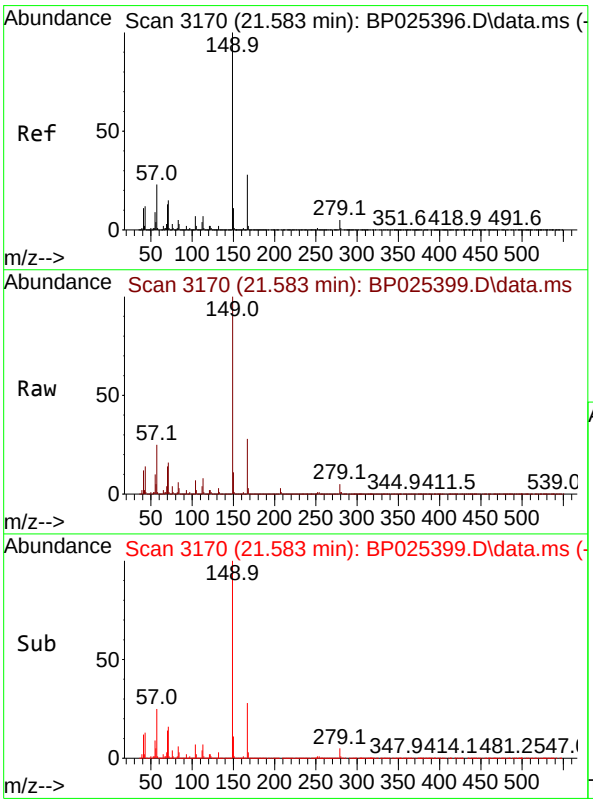
#83
Chrysene
Concen: 76.835 ng
RT: 21.707 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 4218161

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	19.7	15.6	23.4

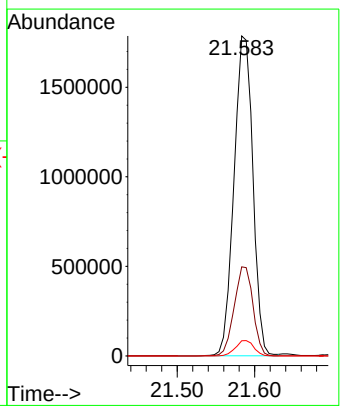


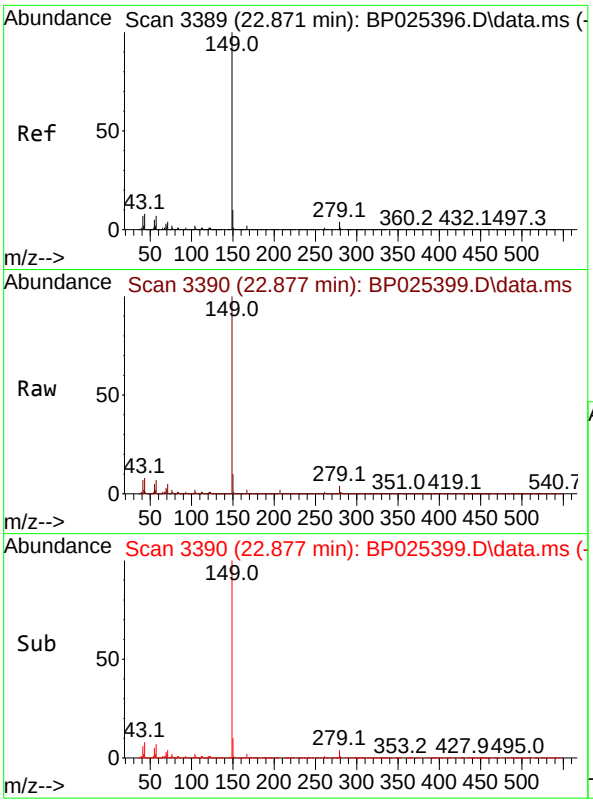


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.400 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:149 Resp: 3021891

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.8	3.8	5.6



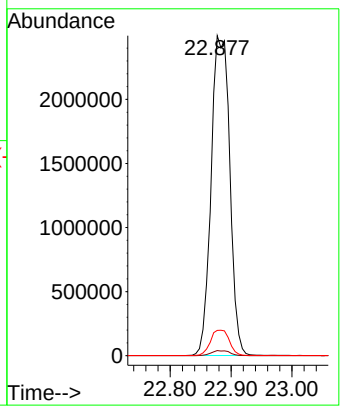


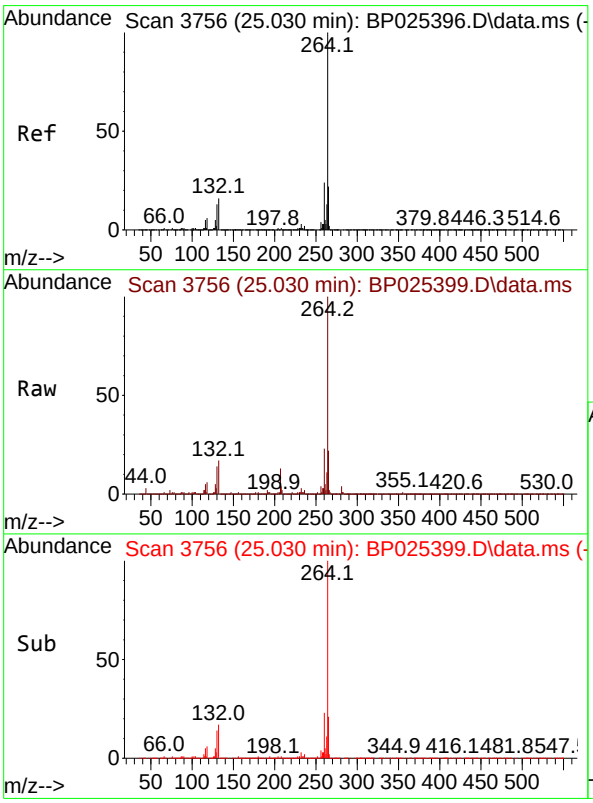
#85
Di-n-octyl phthalate
Concen: 79.974 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 5302080

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5

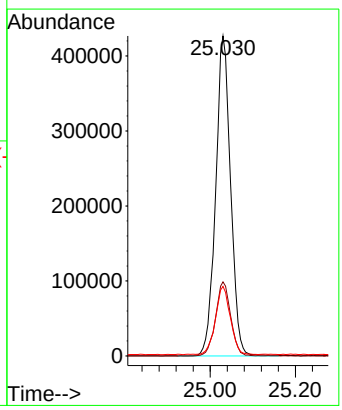


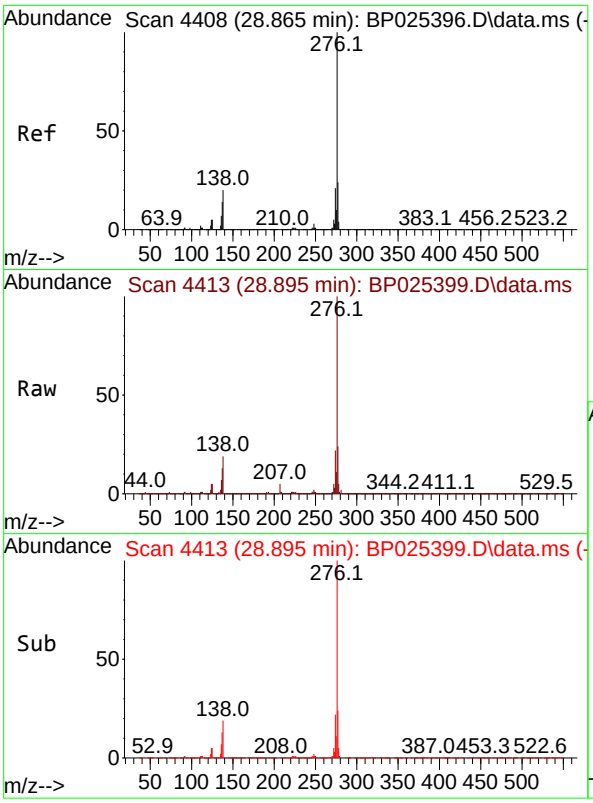


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.030 min Scan# 3756
Delta R.T. 0.000 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:264 Resp: 1037707

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.8	17.4	26.0



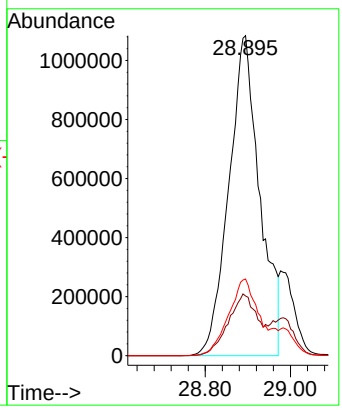


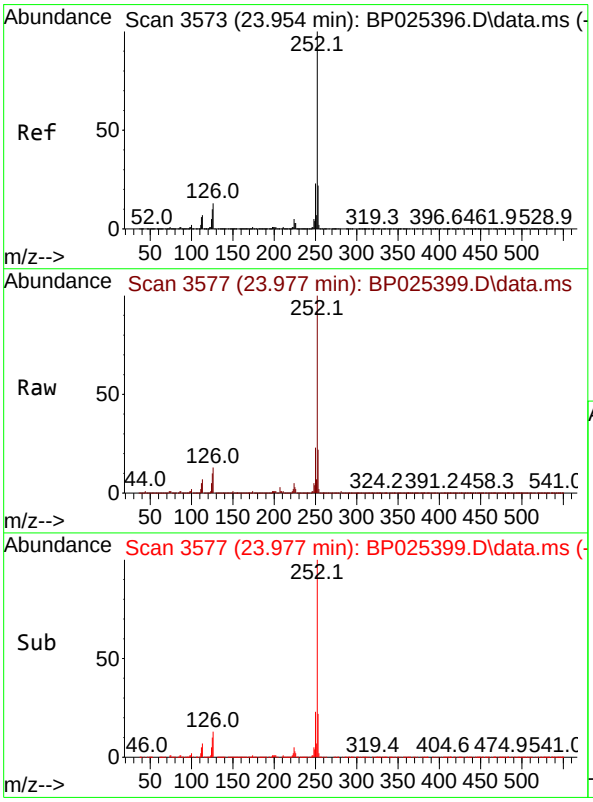
#87
Indeno(1,2,3-cd)pyrene
Concen: 71.894 ng
RT: 28.895 min Scan# 44
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 5473121

Ion	Ratio	Lower	Upper
276	100		
138	19.0	12.9	19.3
277	23.1	17.0	25.6

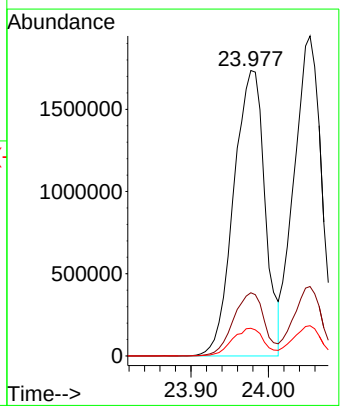


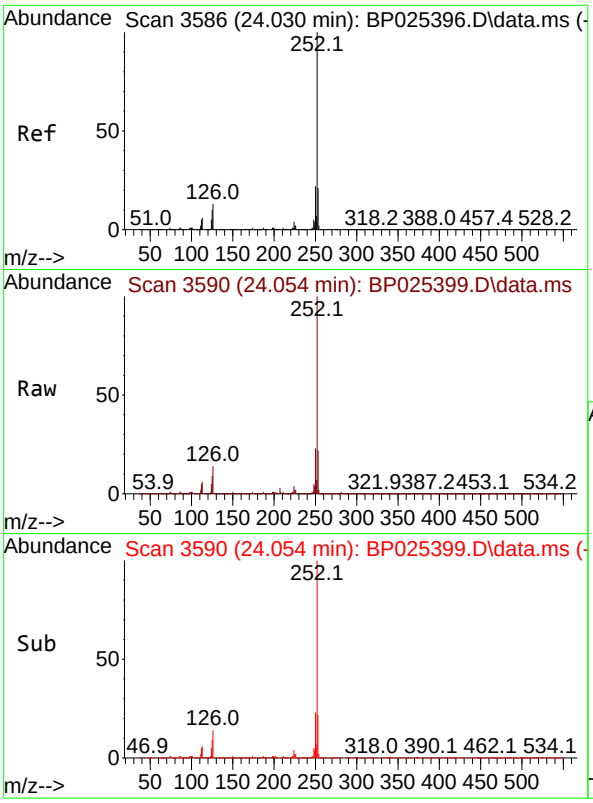


#88
Benzo(b)fluoranthene
Concen: 79.692 ng
RT: 23.977 min Scan# 3577
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4876398

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.7	7.9	11.9



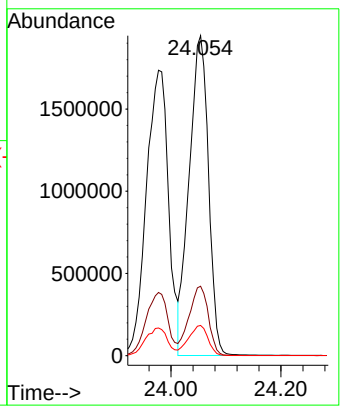


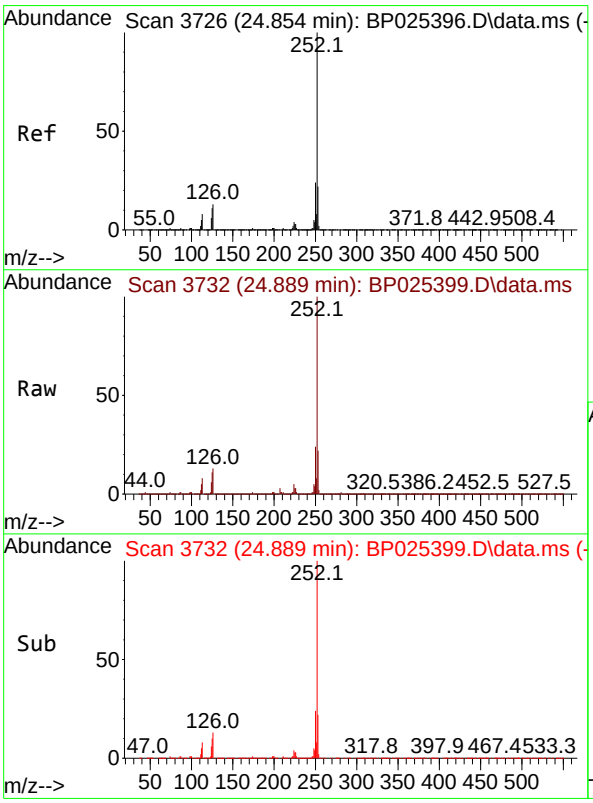
#89
Benzo(k)fluoranthene
Concen: 77.323 ng
RT: 24.054 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 4734637

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.5	7.8	11.6

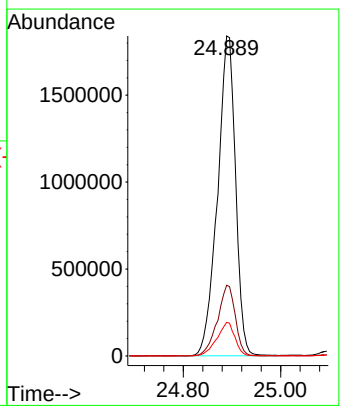


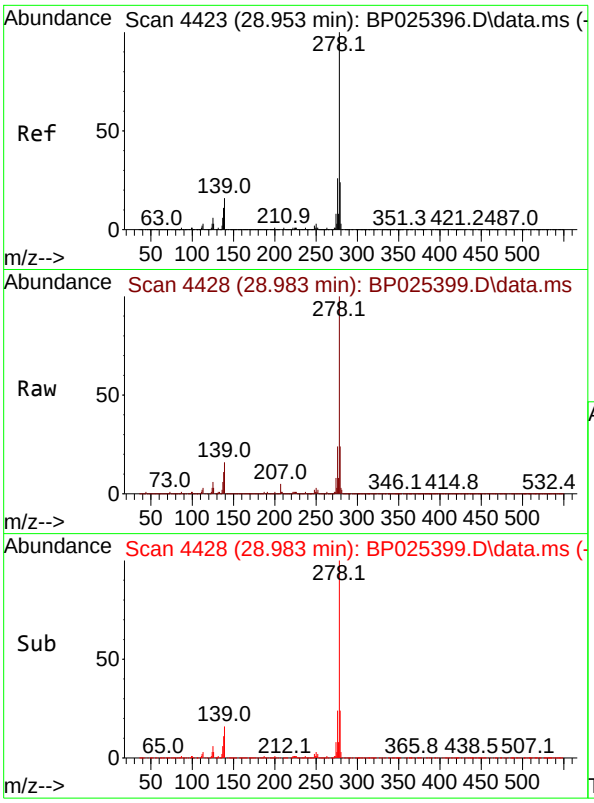


#90
Benzo(a)pyrene
Concen: 79.505 ng
RT: 24.889 min Scan# 3732
Delta R.T. 0.035 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:252 Resp: 4735685

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.7	13.1



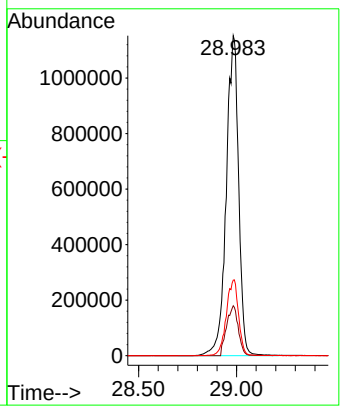


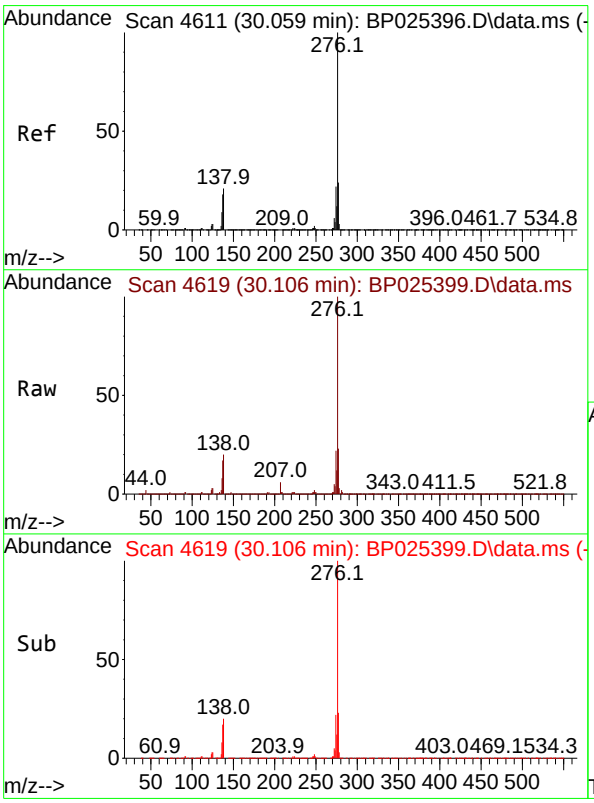
#91
Dibenzo(a,h)anthracene
Concen: 81.142 ng
RT: 28.983 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 5046260

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.0	19.4
279	23.6	19.4	29.2

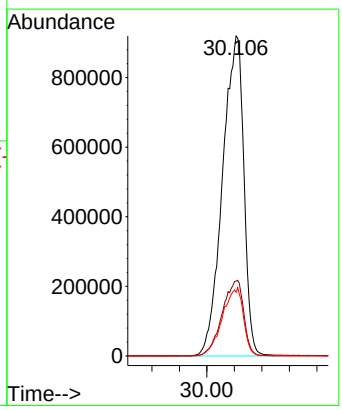




#92
Benzo(g,h,i)perylene
Concen: 80.973 ng
RT: 30.106 min Scan# 4619
Delta R.T. 0.047 min
Lab File: BP025399.D
Acq: 14 Aug 2025 17:24

Tgt Ion:276 Resp: 4949477

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.9	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	174007	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	750079	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	503239	20.000	ng		0.00
64) Phenanthrene-d10	17.213	188	1034378	20.000	ng		0.01
76) Chrysene-d12	21.654	240	1060337	20.000	ng		0.00
86) Perylene-d12	25.024	264	1200519	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	727486	69.430	ng		0.00
7) Phenol-d6	6.966	99	962695	71.663	ng		0.00
23) Nitrobenzene-d5	8.937	82	984441	66.391	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	484870	71.582	ng		0.00
45) 2-Fluorobiphenyl	13.025	172	2430828	66.016	ng		0.00
79) Terphenyl-d14	19.936	244	3848160	66.399	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	138687	33.792	ng		99
3) Pyridine	3.731	79	403298	35.901	ng		98
4) n-Nitrosodimethylamine	3.631	42	176521	38.115	ng		98
6) Aniline	7.125	93	690437	38.147	ng		99
8) 2-Chlorophenol	7.366	128	455230	38.501	ng		99
9) Benzaldehyde	6.943	77	321335	34.142	ng		96
10) Phenol	6.996	94	541123	38.388	ng		99
11) bis(2-Chloroethyl)ether	7.219	93	421318	38.348	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492014	37.738	ng		100
13) 1,4-Dichlorobenzene	7.825	146	504919	37.890	ng		97
14) 1,2-Dichlorobenzene	8.143	146	487845	37.818	ng		99
15) Benzyl Alcohol	8.025	79	416544	39.025	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.319	45	563276	38.271	ng		99
17) 2-Methylphenol	8.225	107	380608	38.877	ng		100
18) Hexachloroethane	8.866	117	186691	38.103	ng		97
19) n-Nitroso-di-n-propyla...	8.590	70	340533	38.270	ng		99
20) 3+4-Methylphenols	8.549	107	524095	38.620	ng		99
22) Acetophenone	8.602	105	718869	38.216	ng	#	99
24) Nitrobenzene	8.978	77	494466	37.313	ng		98
25) Isophorone	9.501	82	993378	37.855	ng		99
26) 2-Nitrophenol	9.678	139	263348	38.722	ng		97
27) 2,4-Dimethylphenol	9.743	122	455078	38.910	ng		99
28) bis(2-Chloroethoxy)met...	9.972	93	599862	37.816	ng		99
29) 2,4-Dichlorophenol	10.213	162	449034	38.649	ng		98
30) 1,2,4-Trichlorobenzene	10.431	180	474183	37.231	ng		98
31) Naphthalene	10.613	128	1459279	37.431	ng		99
32) Benzoic acid	9.884	122	330207	38.242	ng		96
33) 4-Chloroaniline	10.713	127	655135	38.043	ng		99
34) Hexachlorobutadiene	10.901	225	293728	37.031	ng		98
35) Caprolactam	11.501	113	163211	38.310	ng		98
36) 4-Chloro-3-methylphenol	11.837	107	517126	38.789	ng		98
37) 2-Methylnaphthalene	12.219	142	960146	37.845	ng		99
38) 1-Methylnaphthalene	12.443	142	1012844	37.539	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	550777	37.895	ng		100
41) Hexachlorocyclopentadiene	12.572	237	351819	40.074	ng		100
43) 2,4,6-Trichlorophenol	12.831	196	382393	38.972	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	420565	39.108	ng	99
46) 1,1'-Biphenyl	13.237	154	1376834	37.672	ng	99
47) 2-Chloronaphthalene	13.272	162	1072147	37.682	ng	99
48) 2-Nitroaniline	13.472	65	323995	39.081	ng	99
49) Acenaphthylene	14.125	152	1775899	37.720	ng	100
50) Dimethylphthalate	13.860	163	1406620	38.170	ng	100
51) 2,6-Dinitrotoluene	13.972	165	304562	39.211	ng	98
52) Acenaphthene	14.472	154	1039167	37.603	ng	99
53) 3-Nitroaniline	14.301	138	349791	40.027	ng	98
54) 2,4-Dinitrophenol	14.507	184	172743	41.646	ng	100
55) Dibenzofuran	14.813	168	1630744	37.324	ng	100
56) 4-Nitrophenol	14.619	139	284585	39.630	ng	99
57) 2,4-Dinitrotoluene	14.772	165	448143	40.439	ng	98
58) Fluorene	15.478	166	1275341	36.992	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	371715	39.147	ng	99
60) Diethylphthalate	15.242	149	1415787	37.810	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	627477	36.596	ng	99
62) 4-Nitroaniline	15.484	138	346865	38.717	ng	99
63) Azobenzene	15.766	77	1235242	38.526	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	256111	39.721	ng	99
66) n-Nitrosodiphenylamine	15.684	169	1174244	37.227	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	422072	37.101	ng	96
68) Hexachlorobenzene	16.501	284	488749	37.062	ng	98
69) Atrazine	16.660	200	449555	38.057	ng	100
70) Pentachlorophenol	16.854	266	322435	38.733	ng	98
71) Phenanthrene	17.254	178	2070873	36.445	ng	99
72) Anthracene	17.342	178	2179669	37.563	ng	100
73) Carbazole	17.619	167	2028595	37.116	ng	100
74) Di-n-butylphthalate	18.225	149	2528547	37.602	ng	100
75) Fluoranthene	19.342	202	2540417	37.481	ng	99
77) Benzidine	19.519	184	1529656	42.271	ng	99
78) Pyrene	19.713	202	2577810	37.404	ng	99
80) Butylbenzylphthalate	20.660	149	1199445	38.401	ng	98
81) Benzo(a)anthracene	21.636	228	2583866	36.950	ng	99
82) 3,3'-Dichlorobenzidine	21.554	252	1002597	38.038	ng	99
83) Chrysene	21.701	228	2446197	37.353	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1780746	38.729	ng	100
85) Di-n-octyl phthalate	22.877	149	2998528	37.915	ng	100
87) Indeno(1,2,3-cd)pyrene	28.877	276	3267965	37.119	ng	94
88) Benzo(b)fluoranthene	23.971	252	2616701	36.964	ng	100
89) Benzo(k)fluoranthene	24.042	252	2653905	37.464	ng	99
90) Benzo(a)pyrene	24.871	252	2560692	37.160	ng	100
91) Dibenzo(a,h)anthracene	28.948	278	2697336	37.490	ng	99
92) Benzo(g,h,i)perylene	30.089	276	2632085	37.216	ng	98

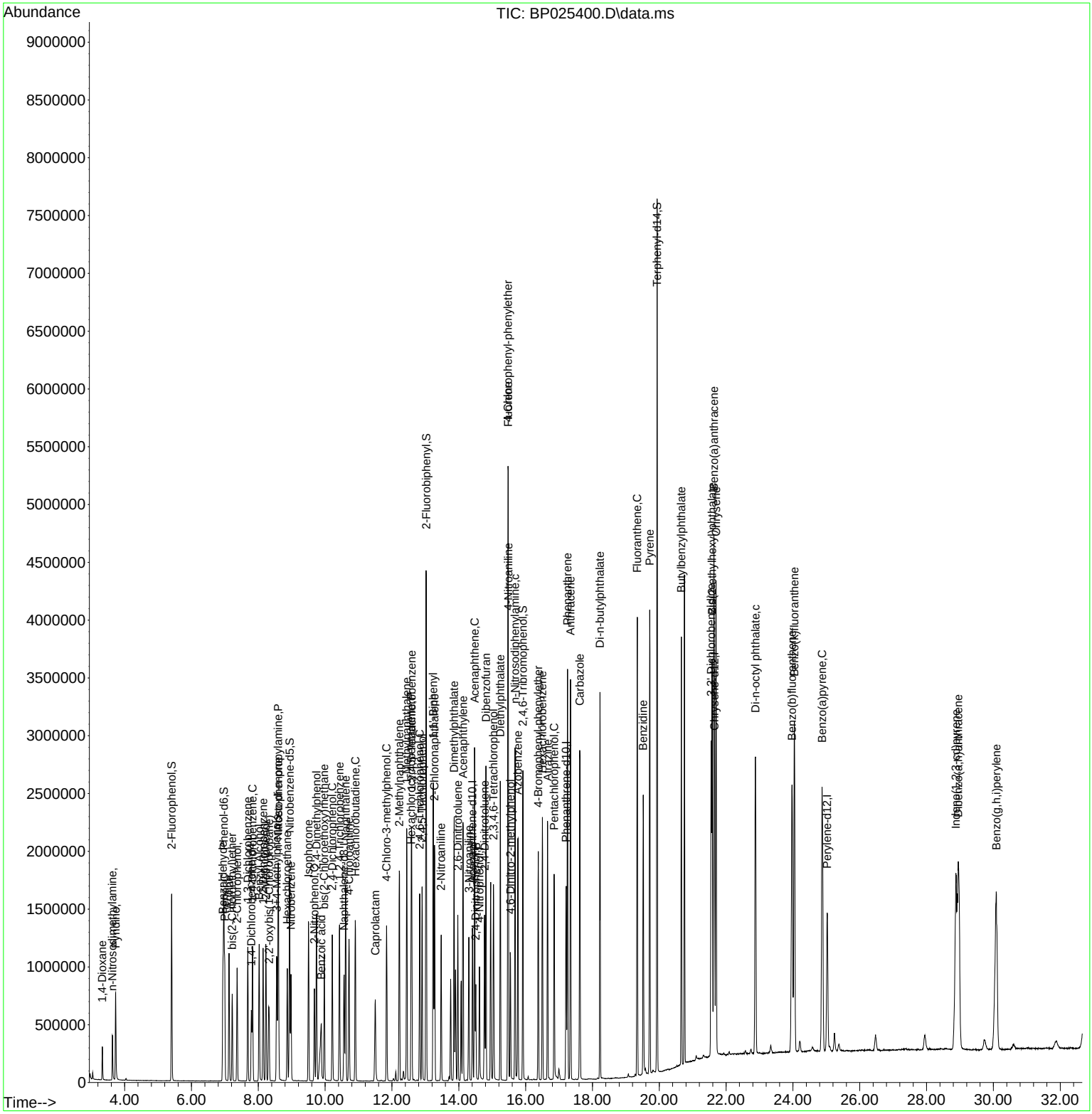
(#) = qualifier out of range (m) = manual integration (+) = signals summed

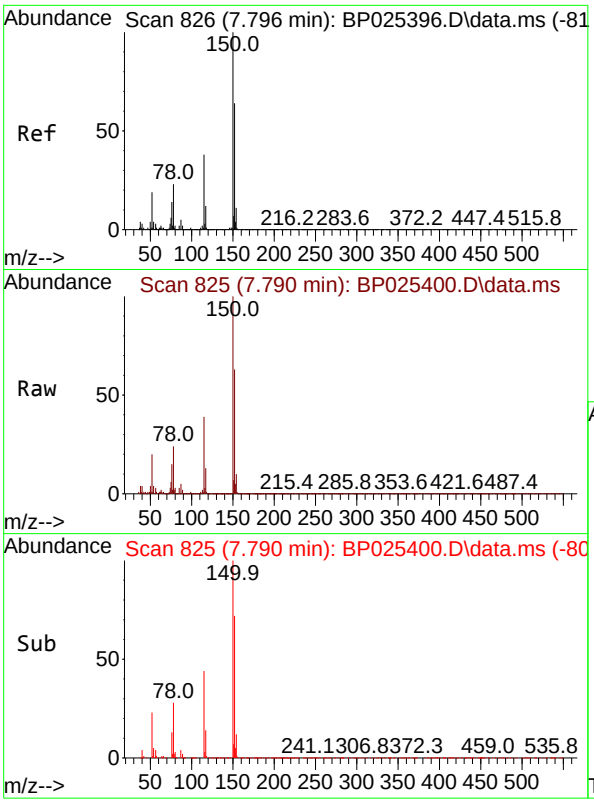
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025400.D
Acq On : 14 Aug 2025 18:05
Operator : CG/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Quant Time: Aug 14 18:24:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



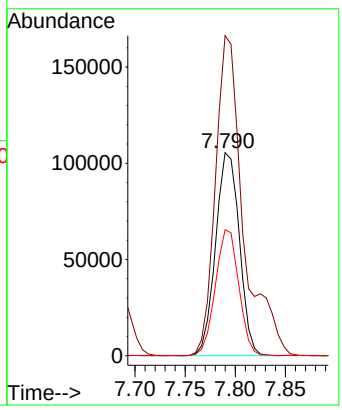


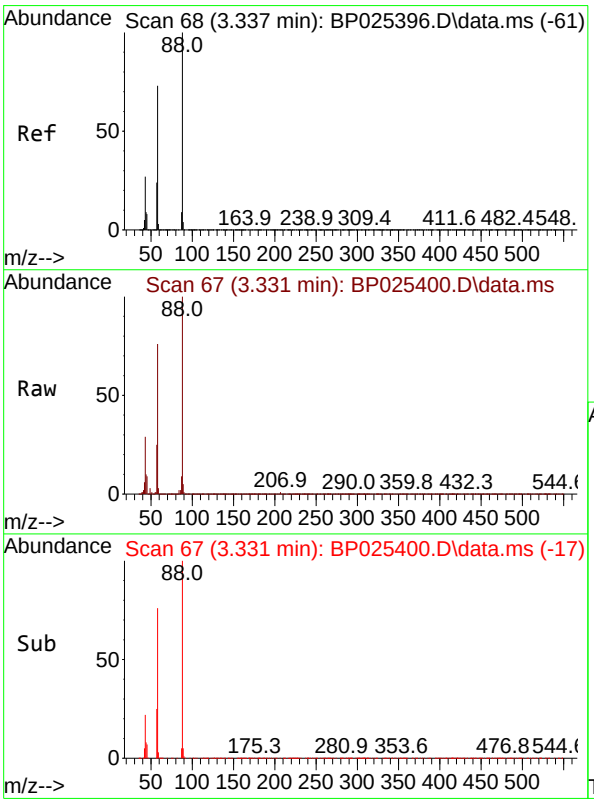
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:152 Resp: 174007

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	62.0	48.5	72.7

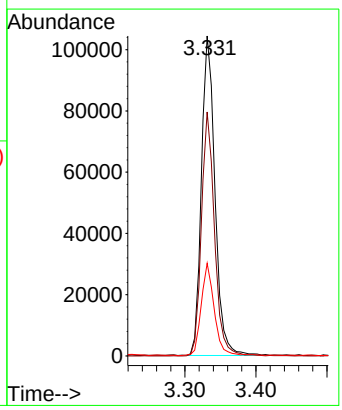


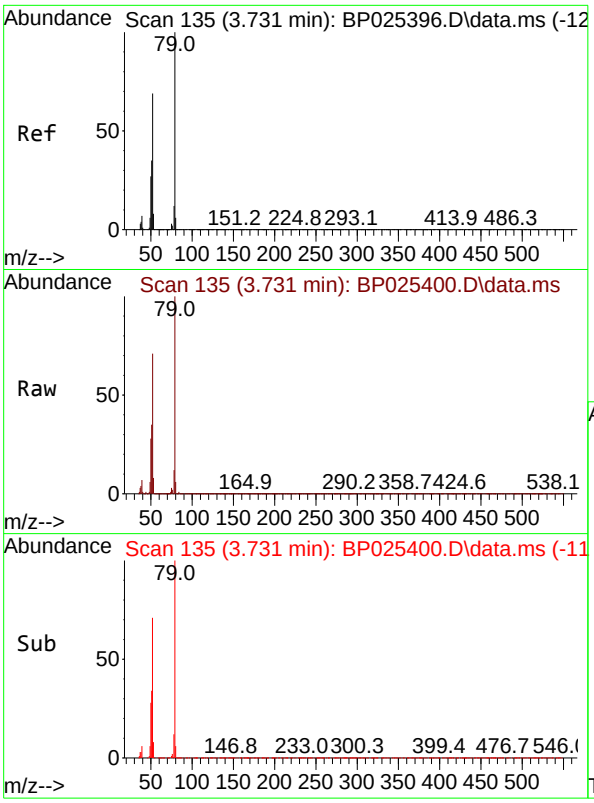


#2
1,4-Dioxane
Concen: 33.792 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 88 Resp: 138687

Ion	Ratio	Lower	Upper
88	100		
58	73.7	59.2	88.8
43	27.9	21.7	32.5



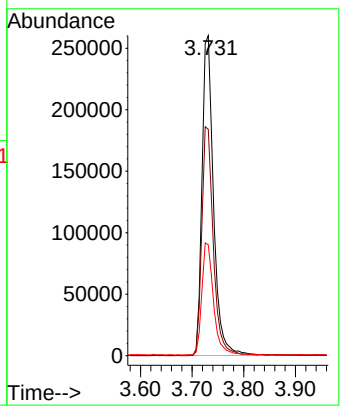


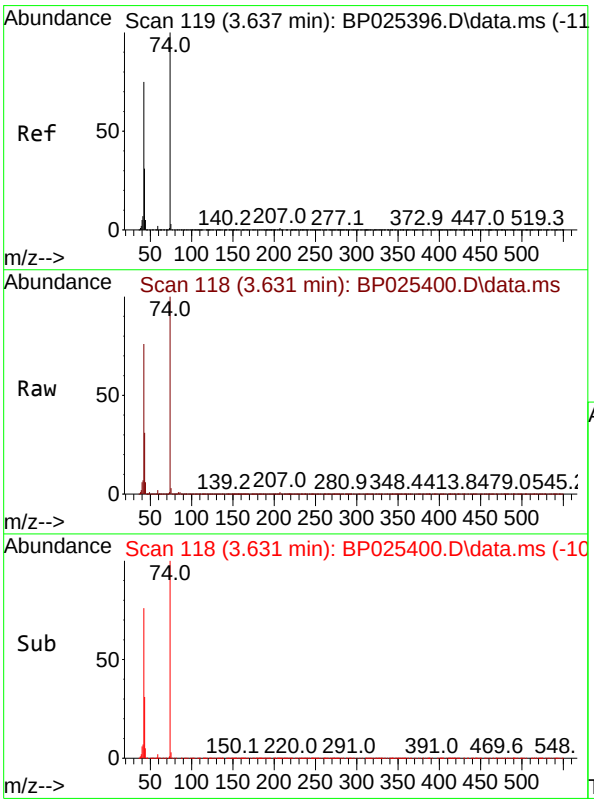
#3
Pyridine
Concen: 35.901 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 79 Resp: 403298

Ion	Ratio	Lower	Upper
79	100		
52	70.8	55.5	83.3
51	34.7	28.3	42.5

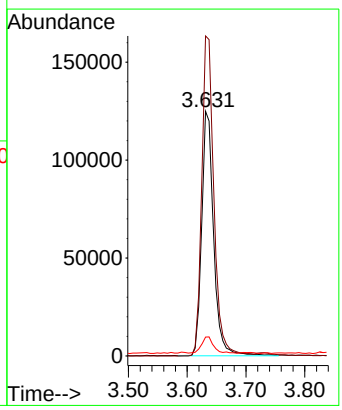


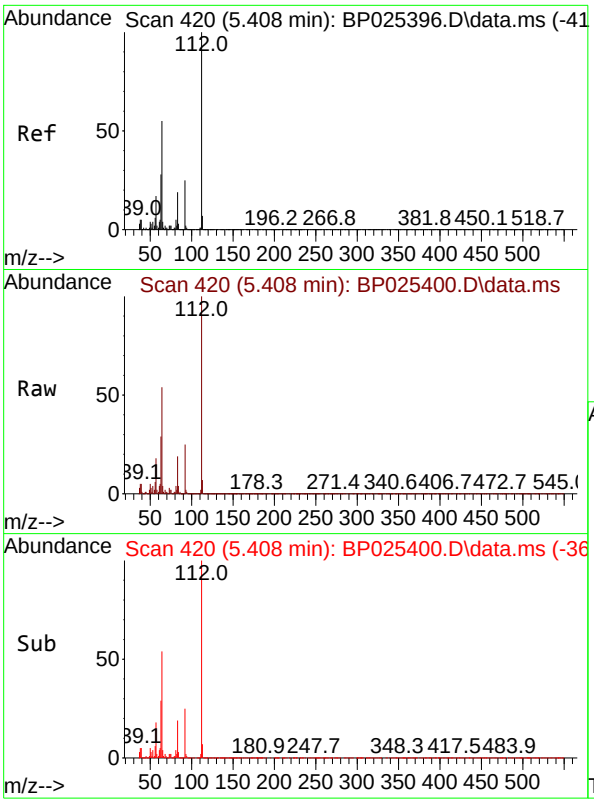


#4
n-Nitrosodimethylamine
Concen: 38.115 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 42 Resp: 176521

Ion	Ratio	Lower	Upper
42	100		
74	130.8	107.0	160.4
44	7.7	6.2	9.4



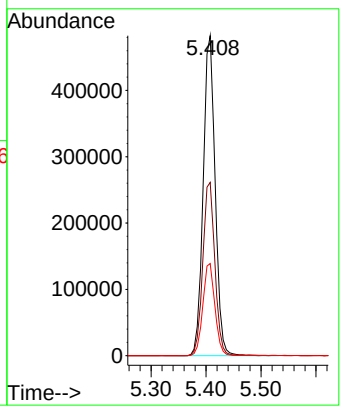


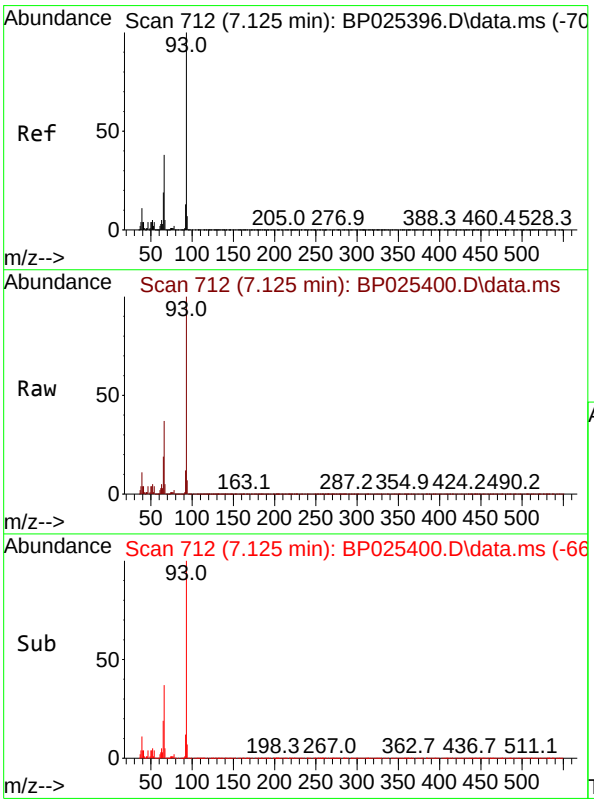
#5
2-Fluorophenol
Concen: 69.430 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:112 Resp: 727486

Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.8	65.8
63	28.8	22.7	34.1

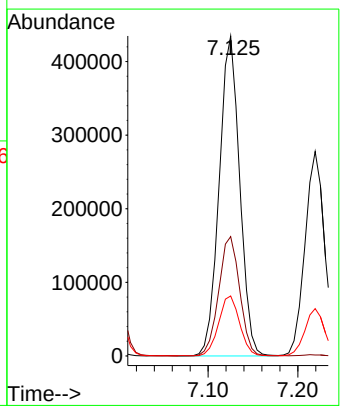


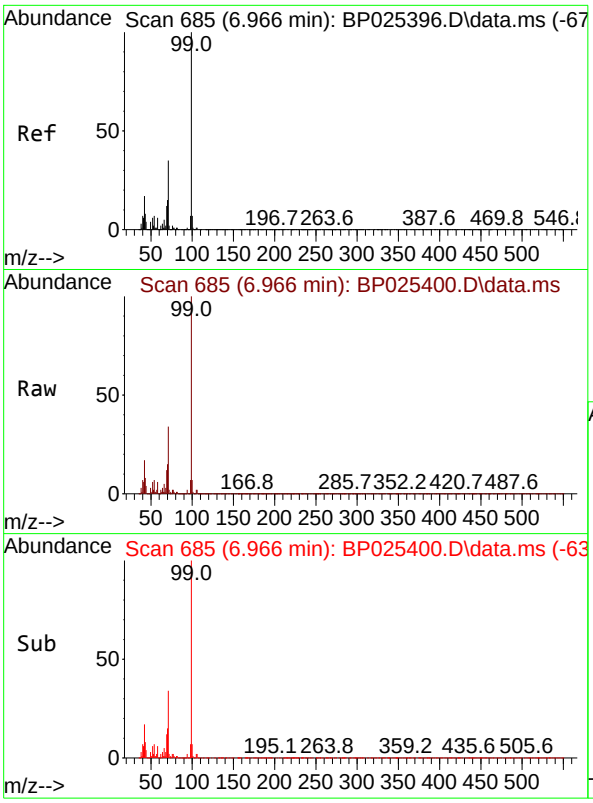


#6
Aniline
Concen: 38.147 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 690437

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.4	45.6
65	18.7	15.3	22.9



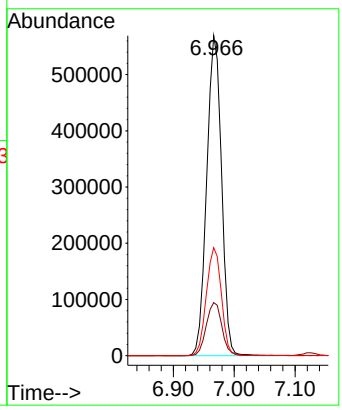


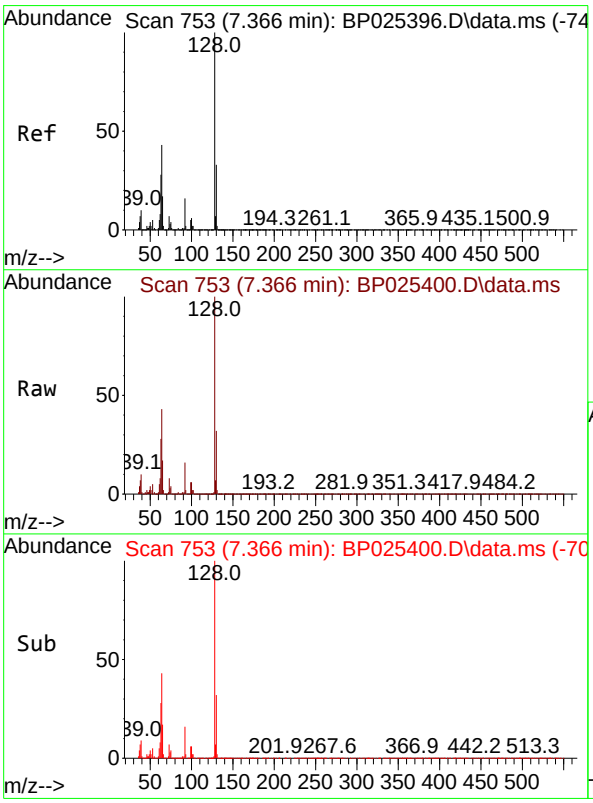
#7
Phenol-d6
Concen: 71.663 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 99 Resp: 962695

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	33.7	28.2	42.4

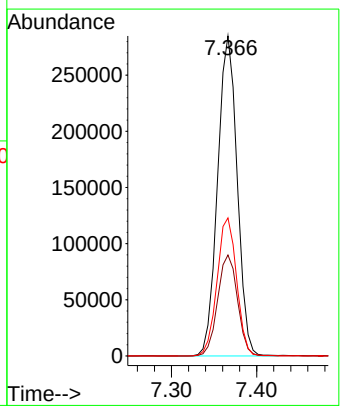


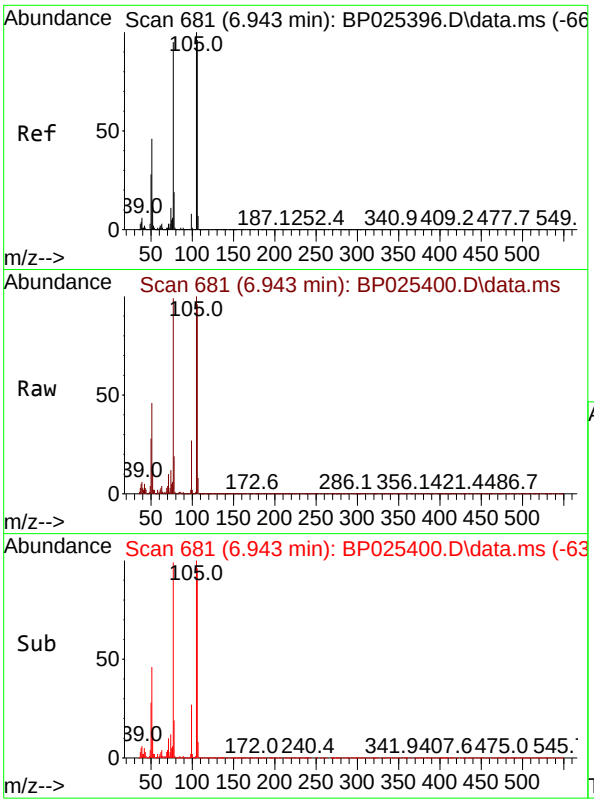


#8
2-Chlorophenol
Concen: 38.501 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:128 Resp: 455230

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.6	52.6
64	43.2	23.4	63.4



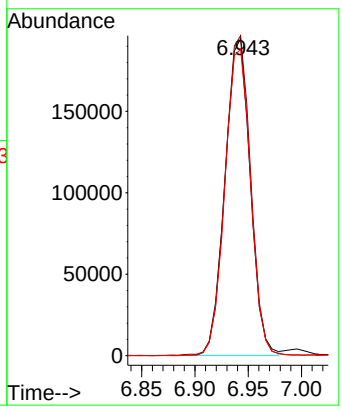


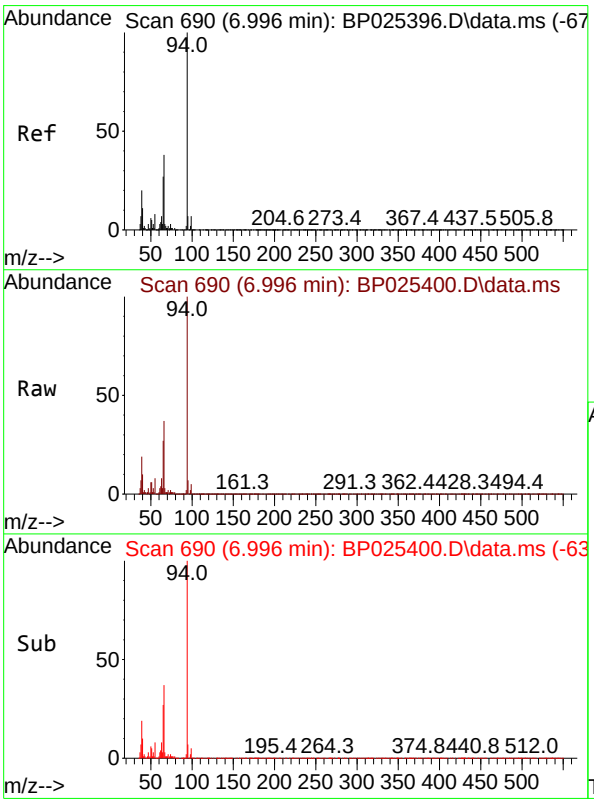
#9
Benzaldehyde
Concen: 34.142 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 77 Resp: 321335

Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	96.6	80.5	120.5

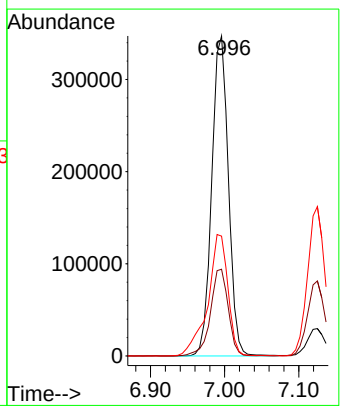


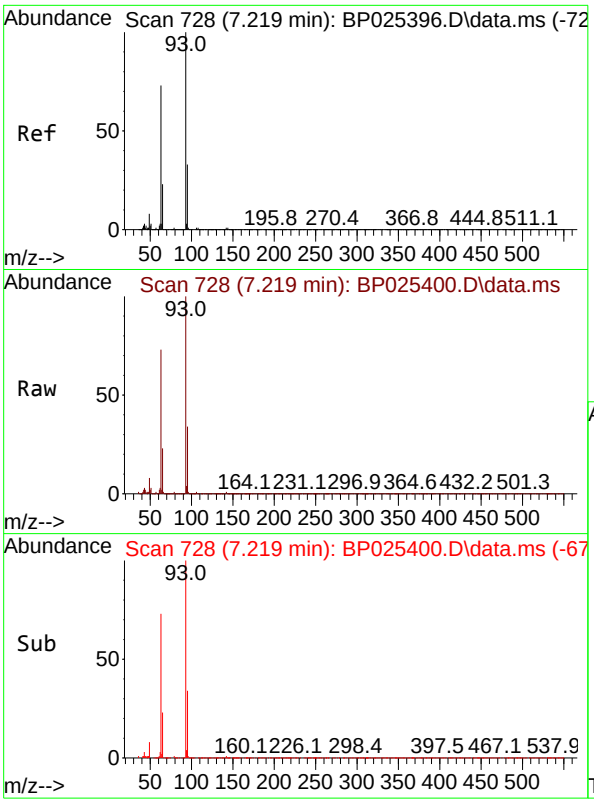


#10
Phenol
Concen: 38.388 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 94 Resp: 541123

Ion	Ratio	Lower	Upper
94	100		
65	27.1	6.8	46.8
66	37.5	18.2	58.2



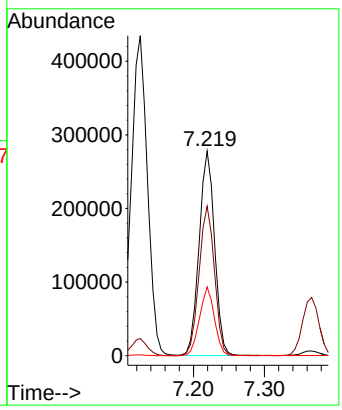


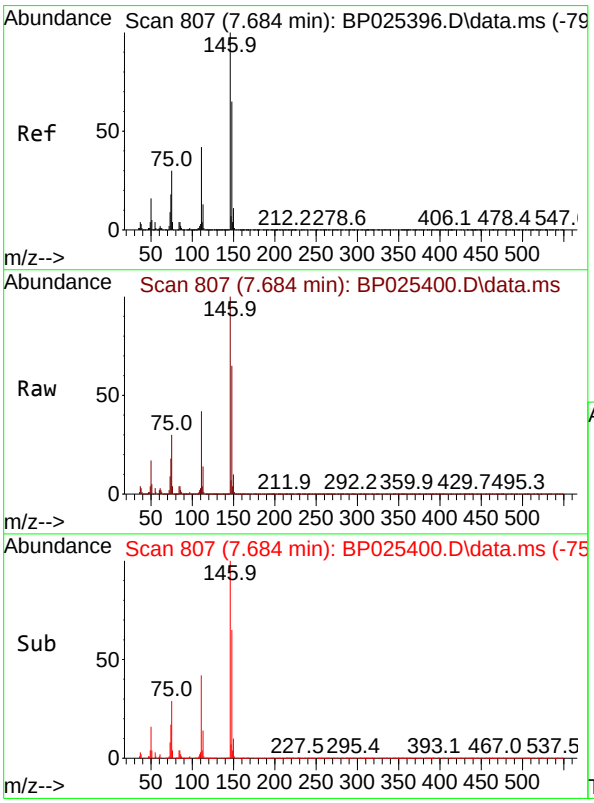
#11
bis(2-Chloroethyl)ether
Concen: 38.348 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 93 Resp: 421318

Ion	Ratio	Lower	Upper
93	100		
63	73.1	52.6	92.6
95	33.6	12.7	52.7

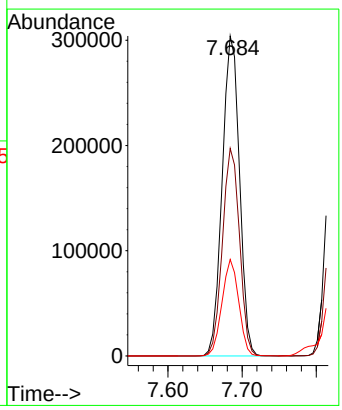


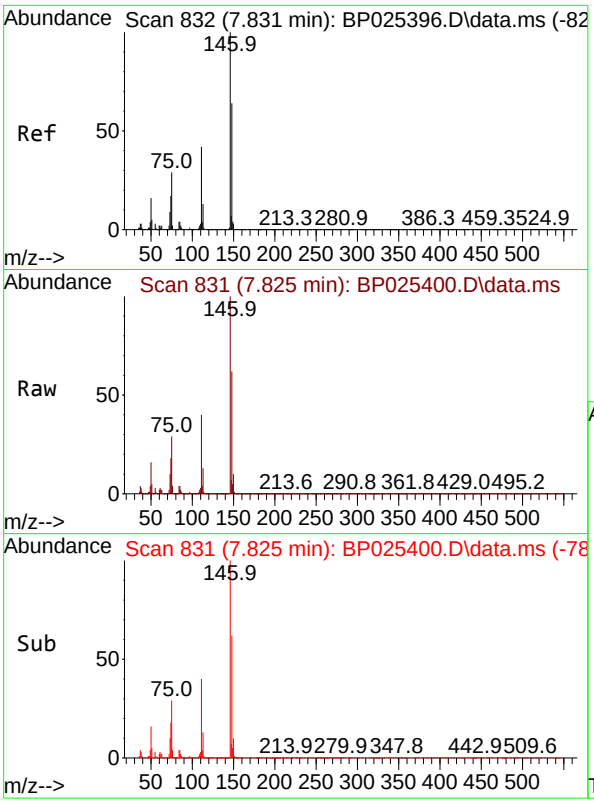


#12
1,3-Dichlorobenzene
Concen: 37.738 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 492014

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	30.1	23.7	35.5



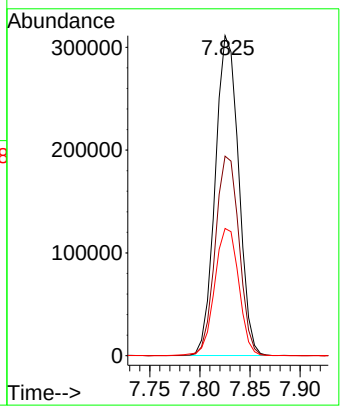


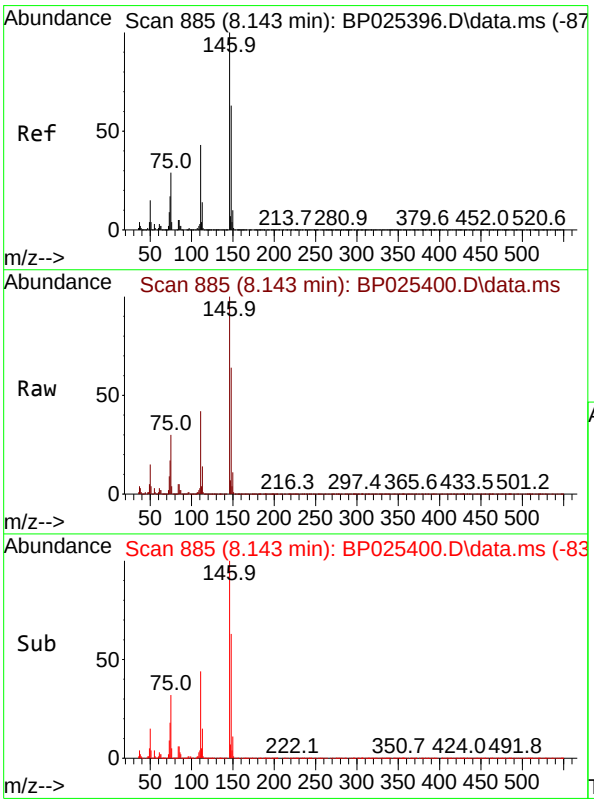
#13
1,4-Dichlorobenzene
Concen: 37.890 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:146 Resp: 504919

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.6	77.4
111	39.8	33.4	50.0

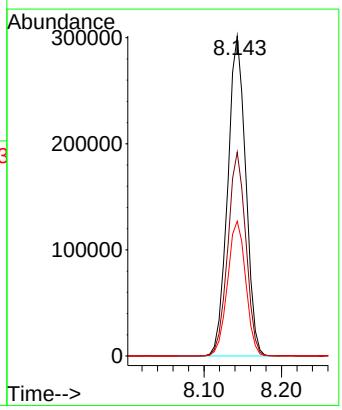


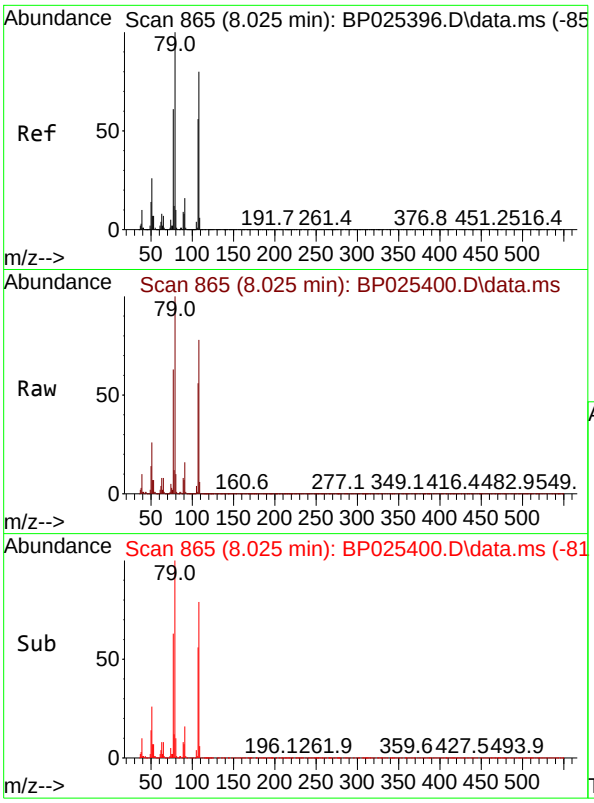


#14
1,2-Dichlorobenzene
Concen: 37.818 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:146 Resp: 487845

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	42.1	34.5	51.7



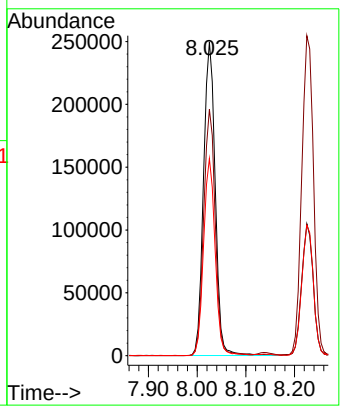


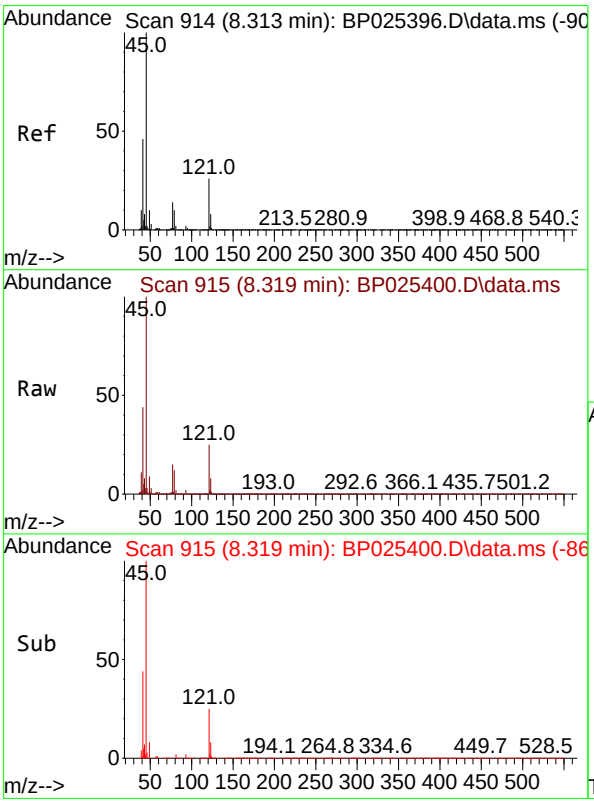
#15
Benzyl Alcohol
Concen: 39.025 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 79 Resp: 416544

Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.8	49.0	73.4

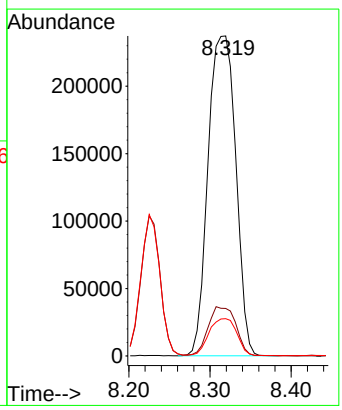


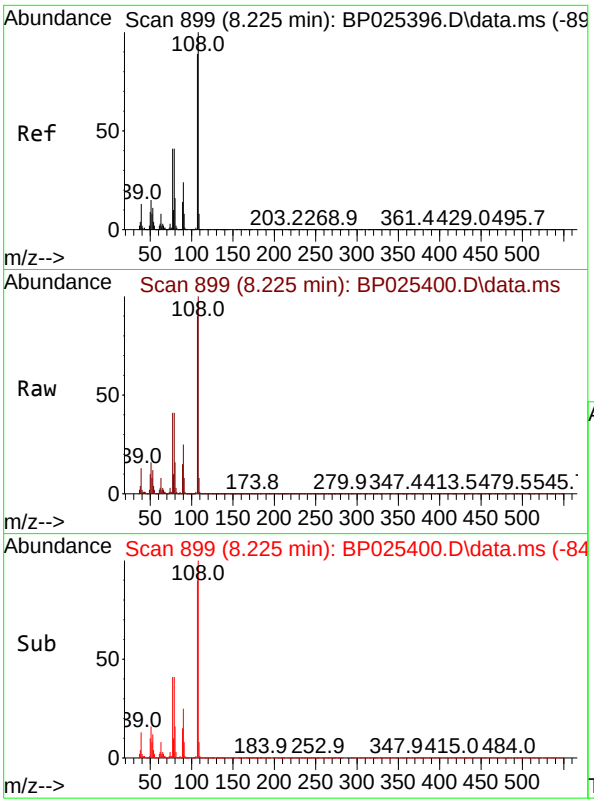


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.271 ng
RT: 8.319 min Scan# 915
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 45 Resp: 563276

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.7	0.0	31.8



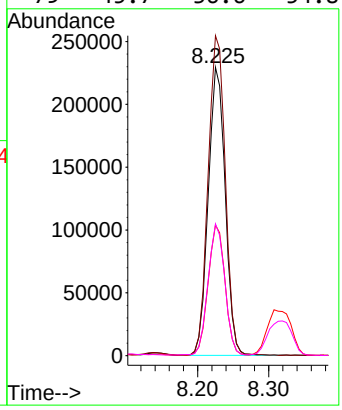


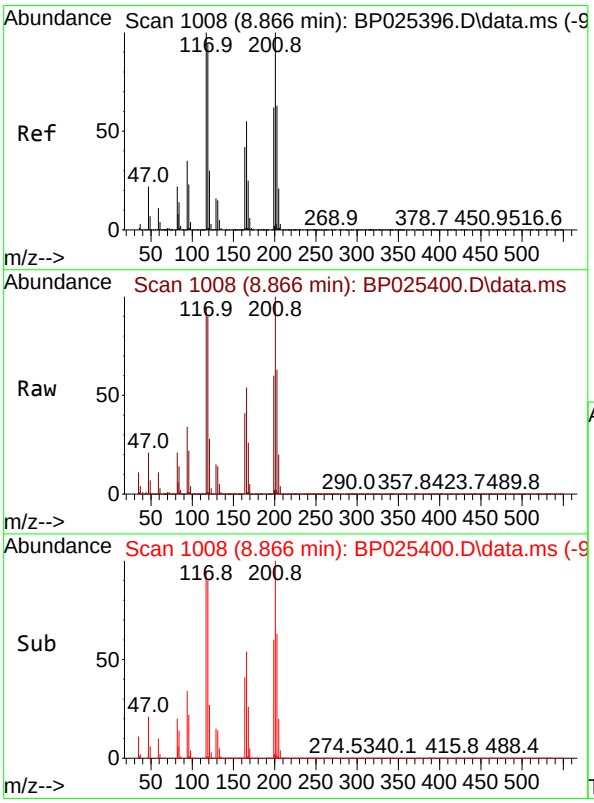
#17
2-Methylphenol
Concen: 38.877 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:107 Resp: 380608

Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8

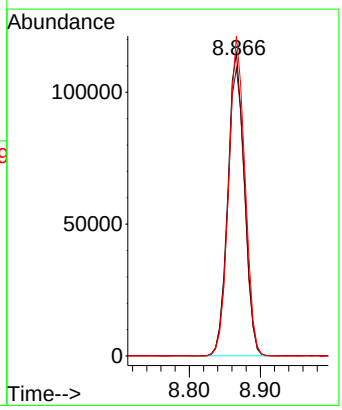


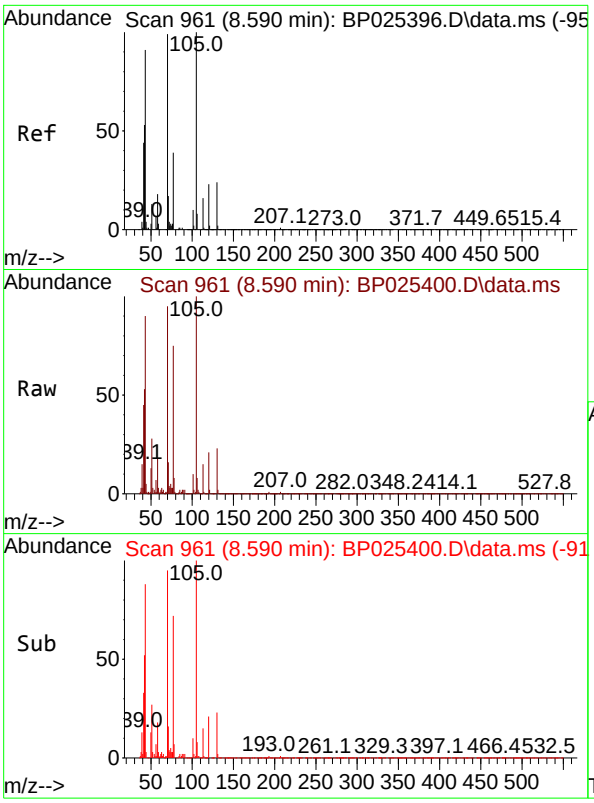


#18
Hexachloroethane
Concen: 38.103 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:117 Resp: 186691

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.1	112.7
201	105.6	80.1	120.1



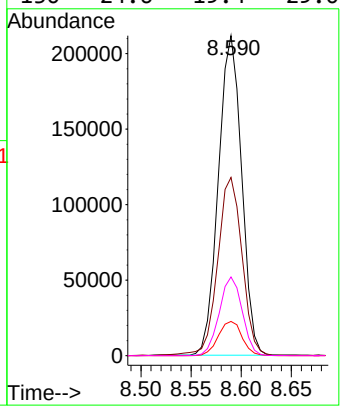


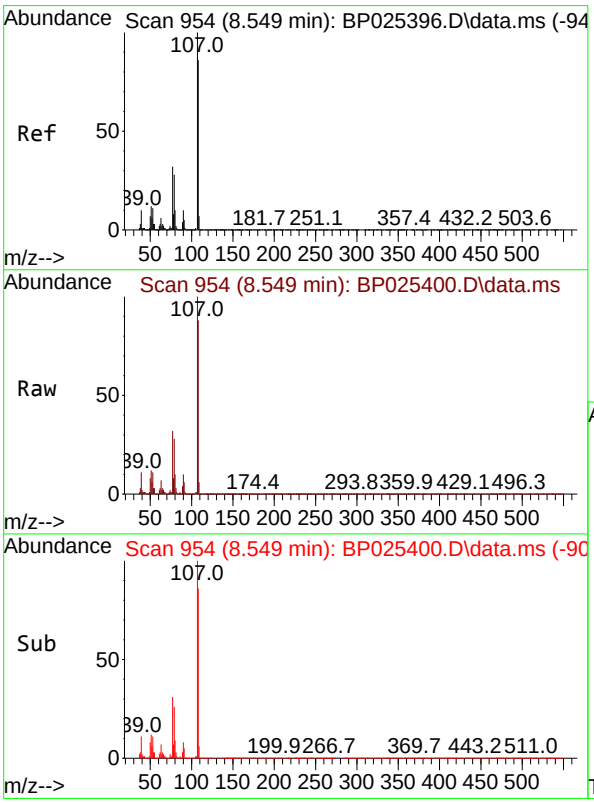
#19
n-Nitroso-di-n-propylamine
Concen: 38.270 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 70 Resp: 340533

Ion	Ratio	Lower	Upper
70	100		
42	55.7	43.8	65.6
101	10.7	8.5	12.7
130	24.6	19.4	29.0

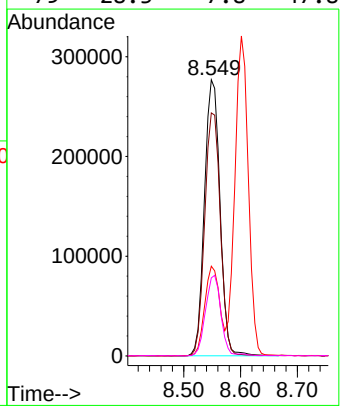


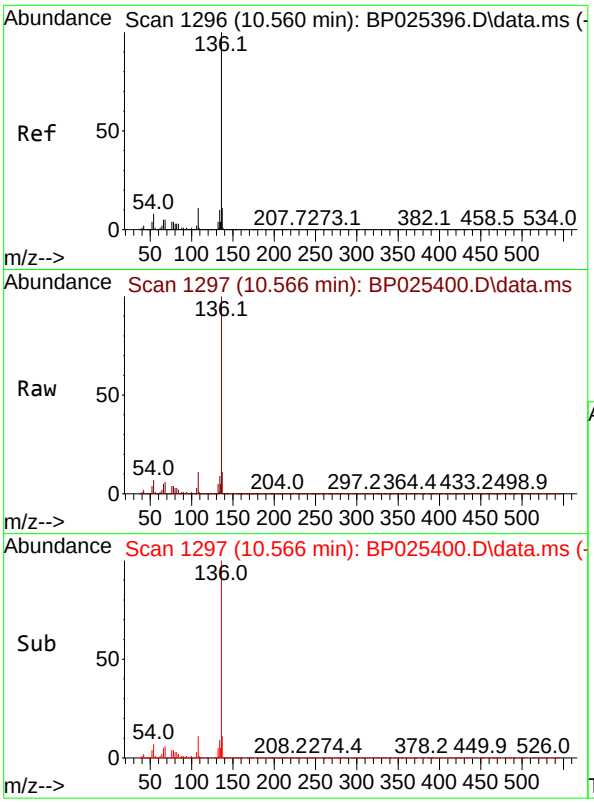


#20
3+4-Methylphenols
Concen: 38.620 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 524095

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	32.5	12.3	52.3
79	28.3	7.8	47.8



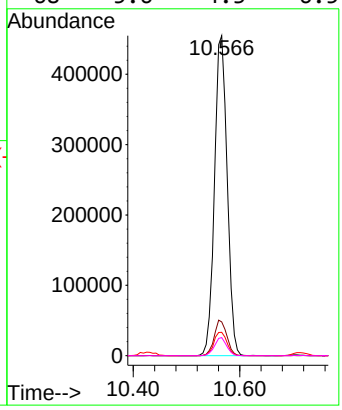


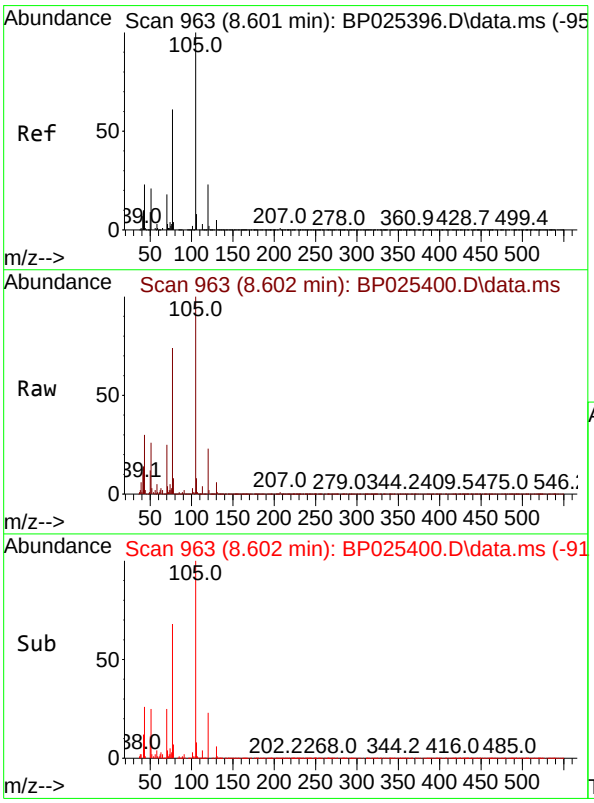
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:136 Resp: 750079

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.3	6.0	9.0
68	5.6	4.3	6.5

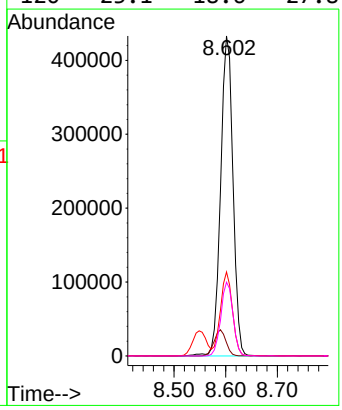


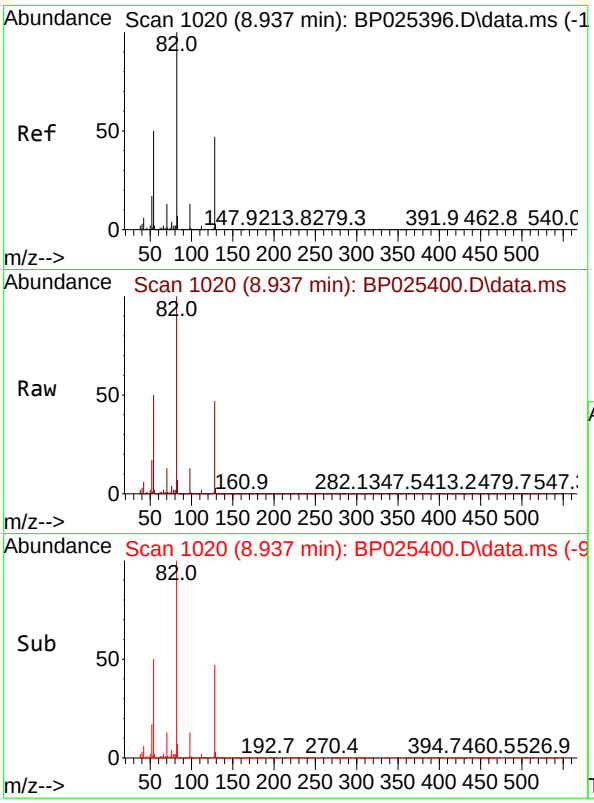


#22
Acetophenone
Concen: 38.216 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:105 Resp: 718869

Ion	Ratio	Lower	Upper
105	100		
71	4.2	2.6	4.0#
51	26.2	20.6	30.8
120	23.1	18.6	27.8



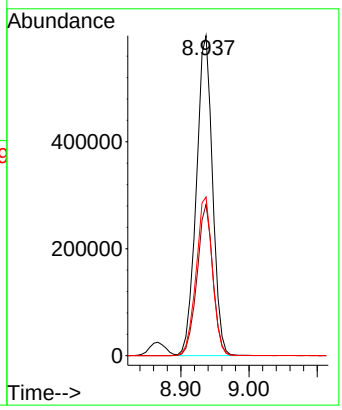


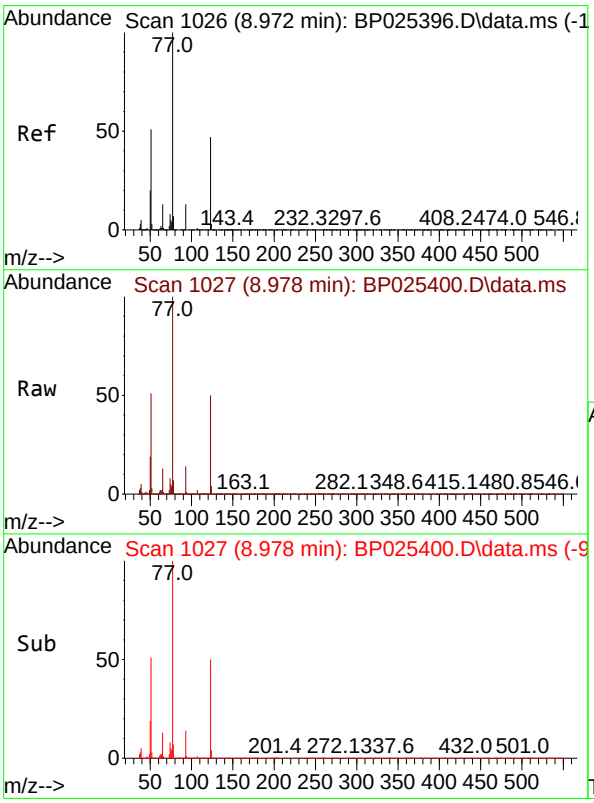
#23
Nitrobenzene-d5
Concen: 66.391 ng
RT: 8.937 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 82 Resp: 984441

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	49.6	39.8	59.6

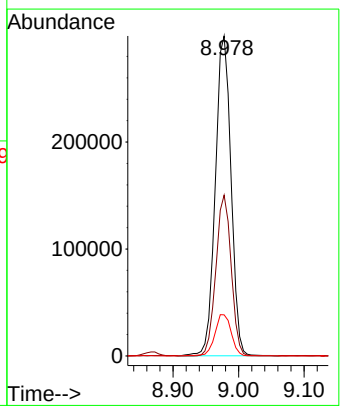


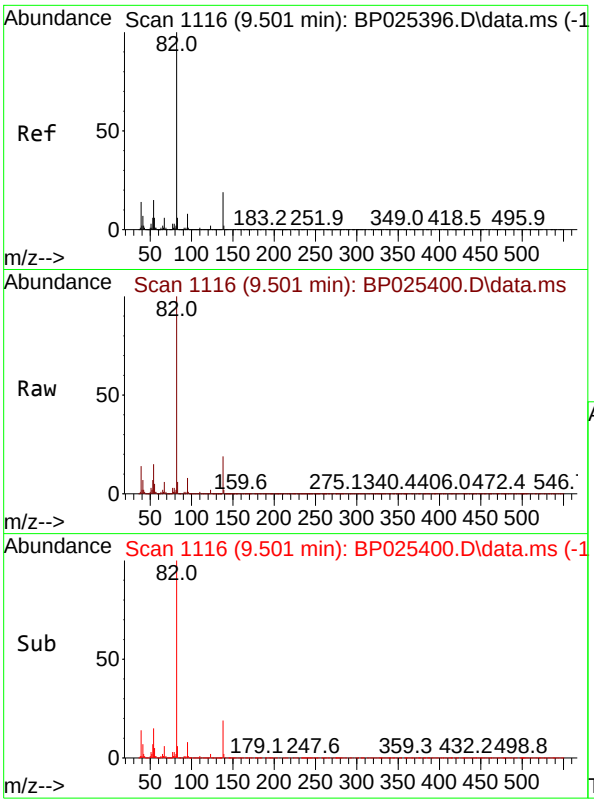


#24
Nitrobenzene
Concen: 37.313 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 77 Resp: 494466

Ion	Ratio	Lower	Upper
77	100		
123	50.3	38.6	58.0
65	12.9	10.6	15.8



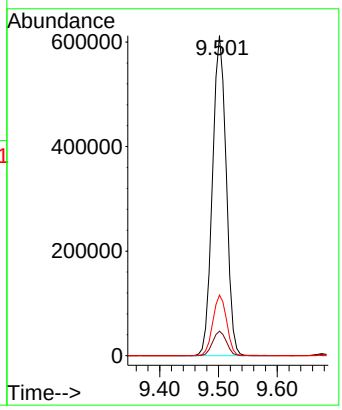


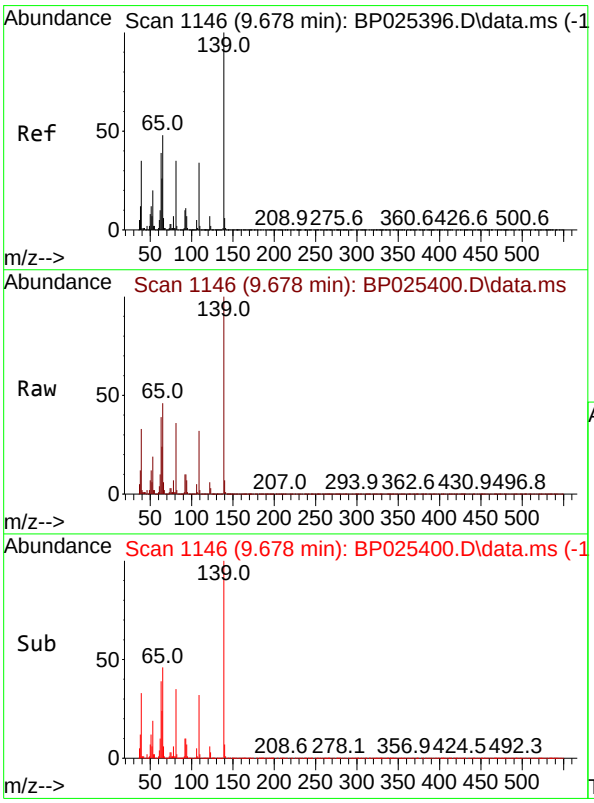
#25
Isophorone
Concen: 37.855 ng
RT: 9.501 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 82 Resp: 993378

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0

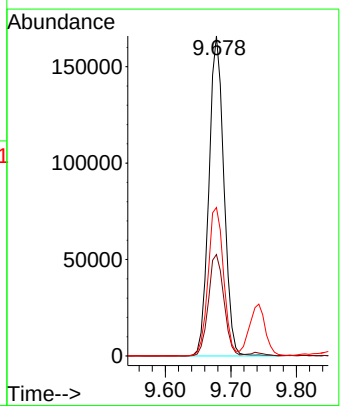


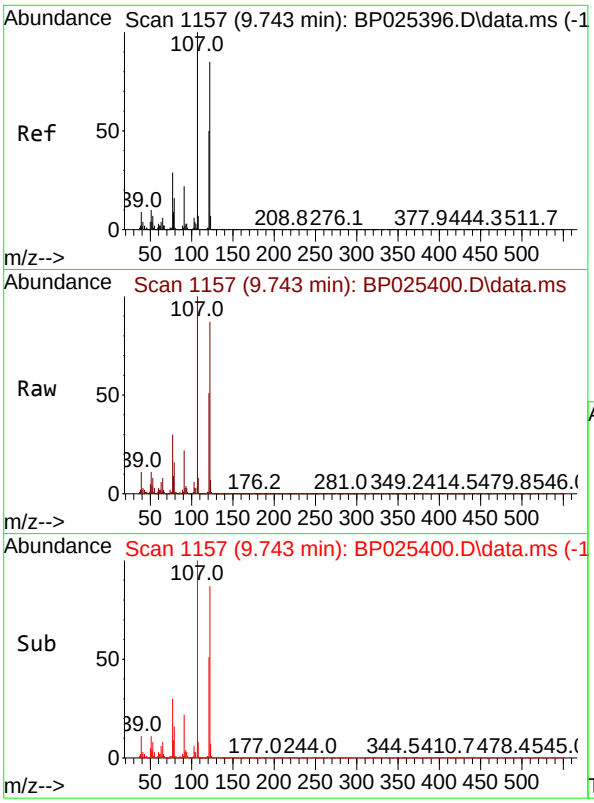


#26
2-Nitrophenol
Concen: 38.722 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 263348

Ion	Ratio	Lower	Upper
139	100		
109	31.7	26.9	40.3
65	46.4	38.3	57.5



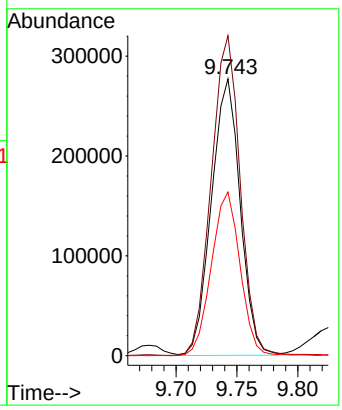


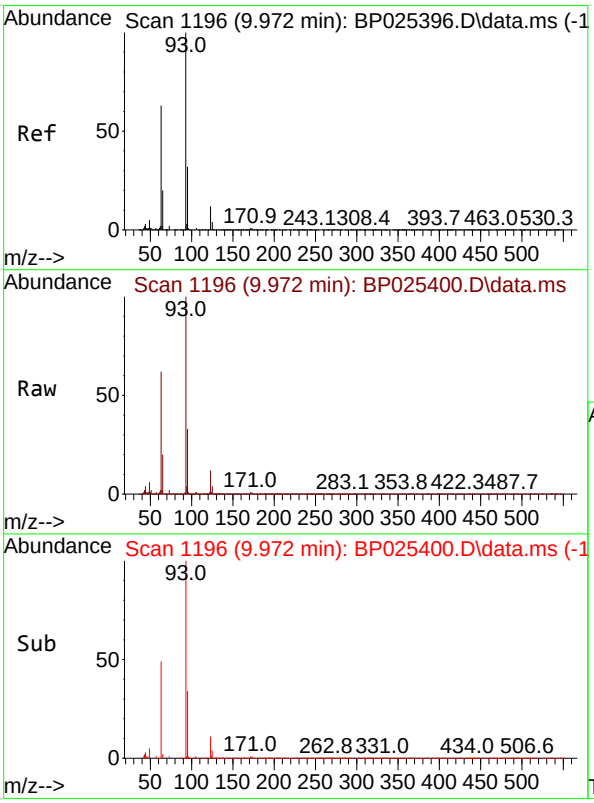
#27
2,4-Dimethylphenol
Concen: 38.910 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:122 Resp: 455078

Ion	Ratio	Lower	Upper
122	100		
107	115.6	93.7	140.5
121	59.1	46.6	69.8

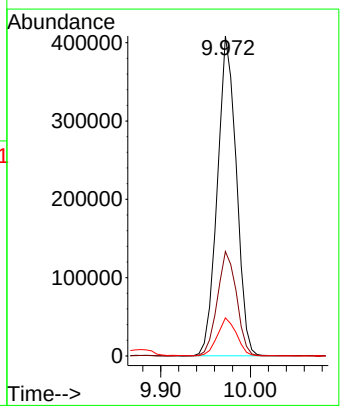


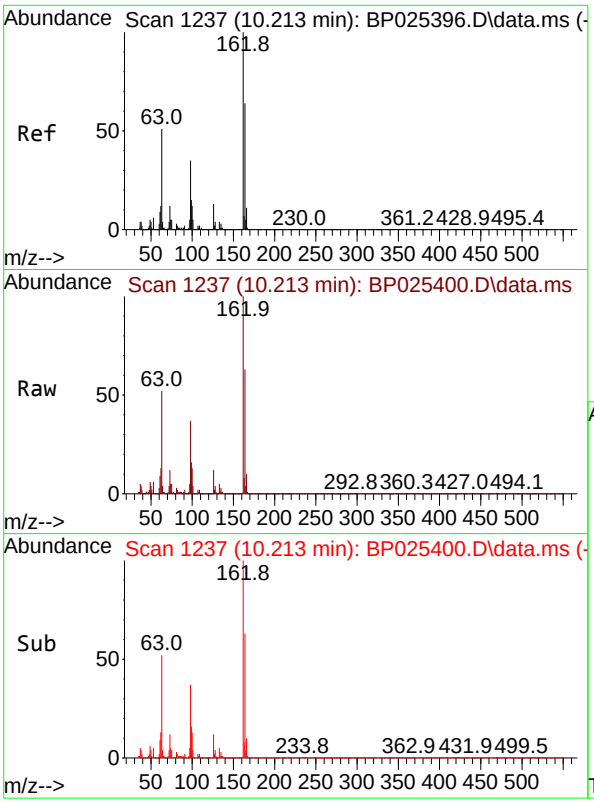


#28
bis(2-Chloroethoxy)methane
Concen: 37.816 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 93 Resp: 599862

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.9	9.4	14.0



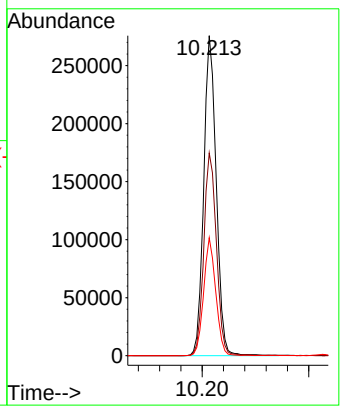


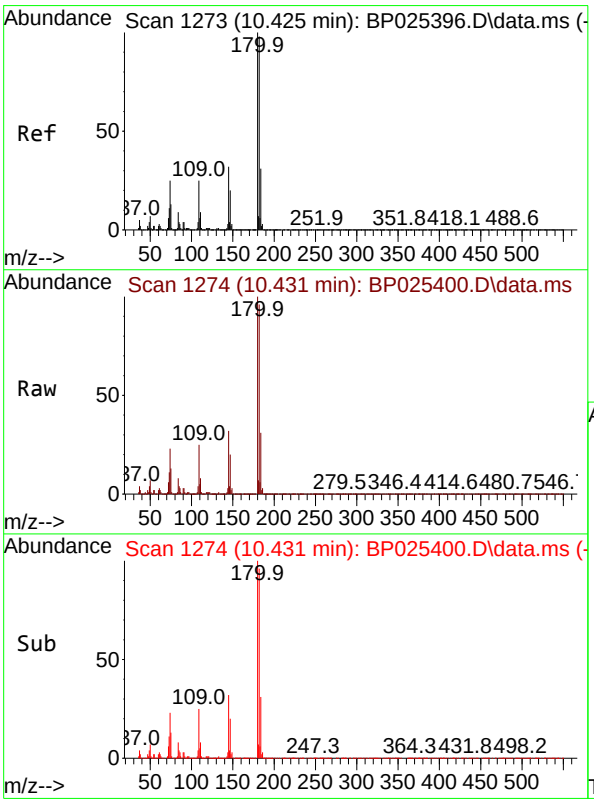
#29
2,4-Dichlorophenol
Concen: 38.649 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:162 Resp: 449034

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.4	84.4
98	36.9	14.9	54.9

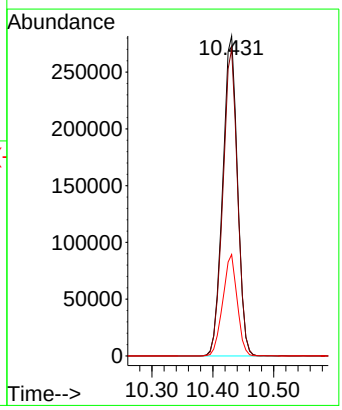


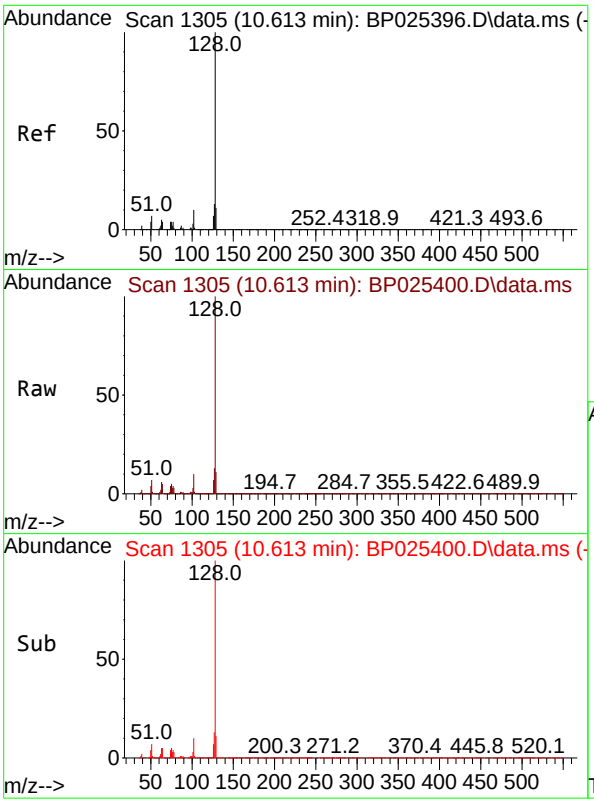


#30
1,2,4-Trichlorobenzene
Concen: 37.231 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:180 Resp: 474183

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.7	25.9	38.9



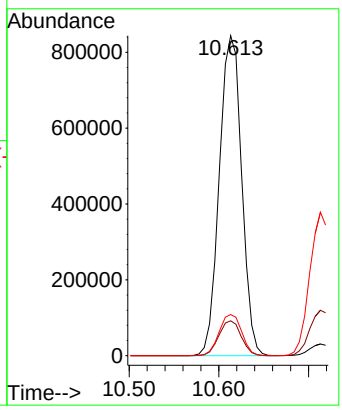


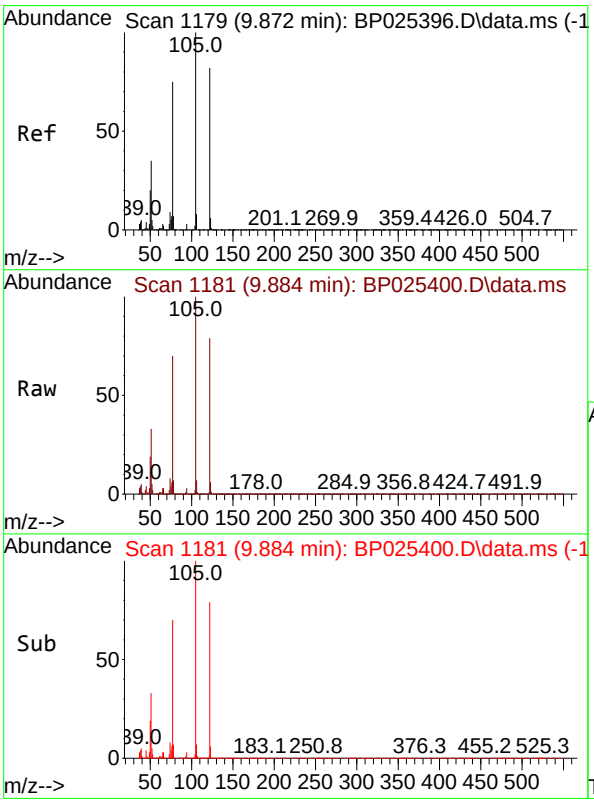
#31
Naphthalene
Concen: 37.431 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:128 Resp: 1459279

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.7	16.1

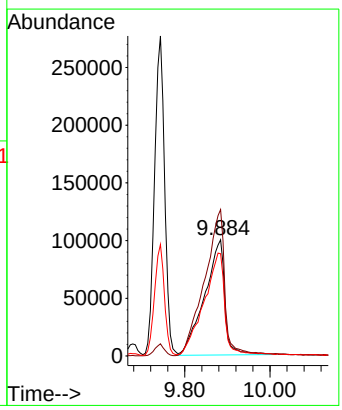


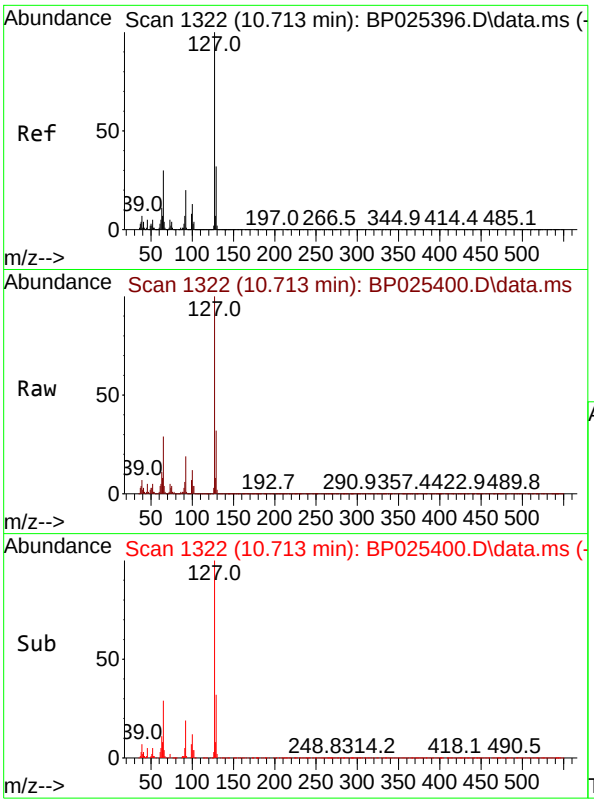


#32
Benzoic acid
Concen: 38.242 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:122 Resp: 330207

Ion	Ratio	Lower	Upper
122	100		
105	126.0	100.6	140.6
77	88.0	71.5	111.5



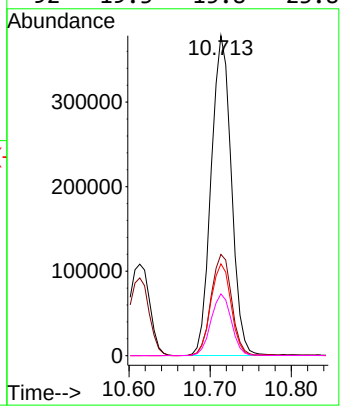


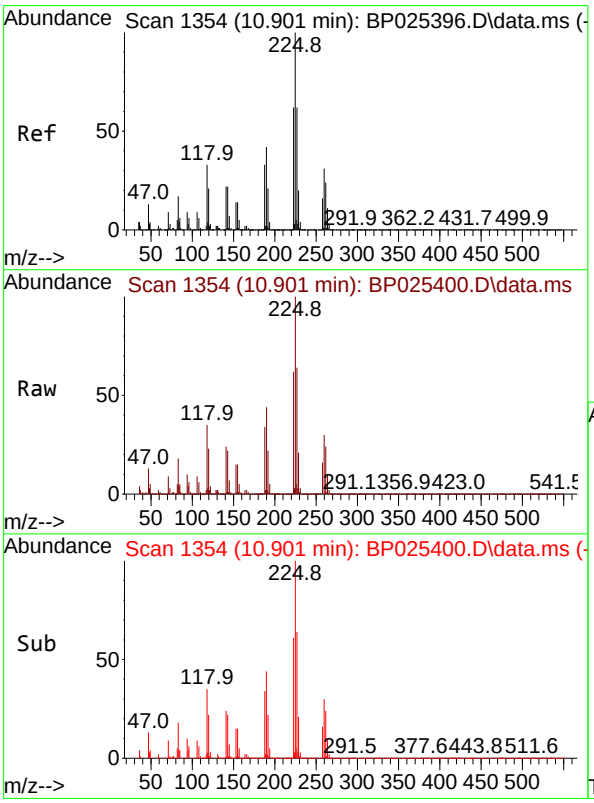
#33
4-Chloroaniline
Concen: 38.043 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:127 Resp: 655135

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	28.7	23.8	35.6
92	19.3	15.8	23.8

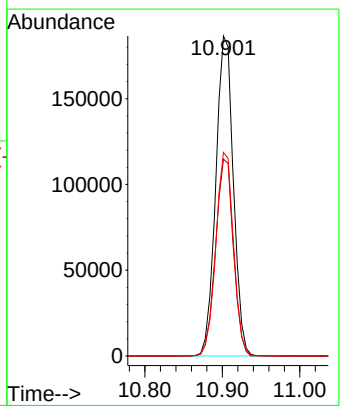


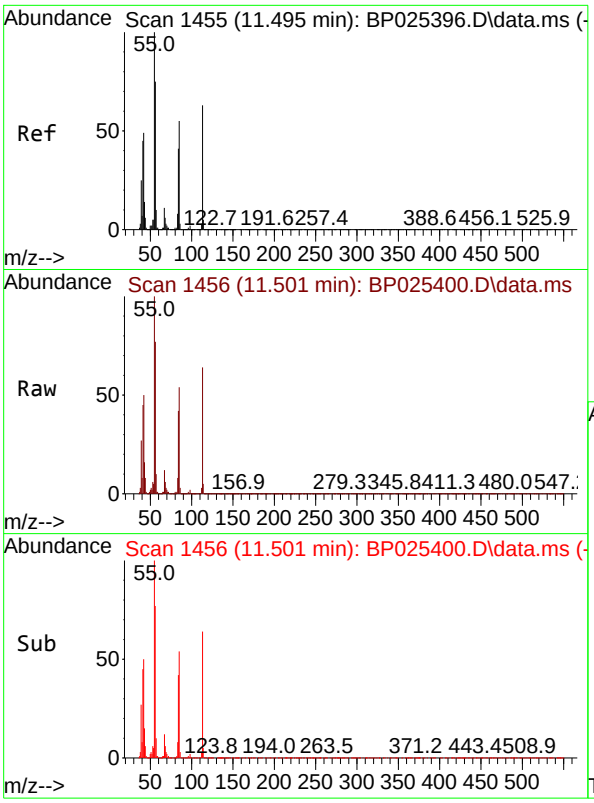


#34
Hexachlorobutadiene
Concen: 37.031 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:225 Resp: 293728

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	63.6	49.7	74.5



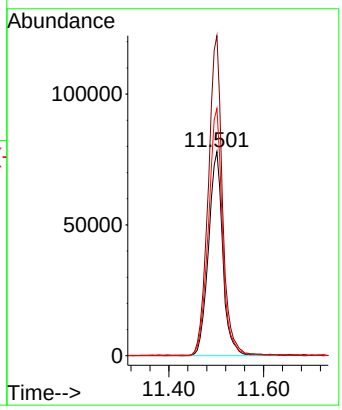


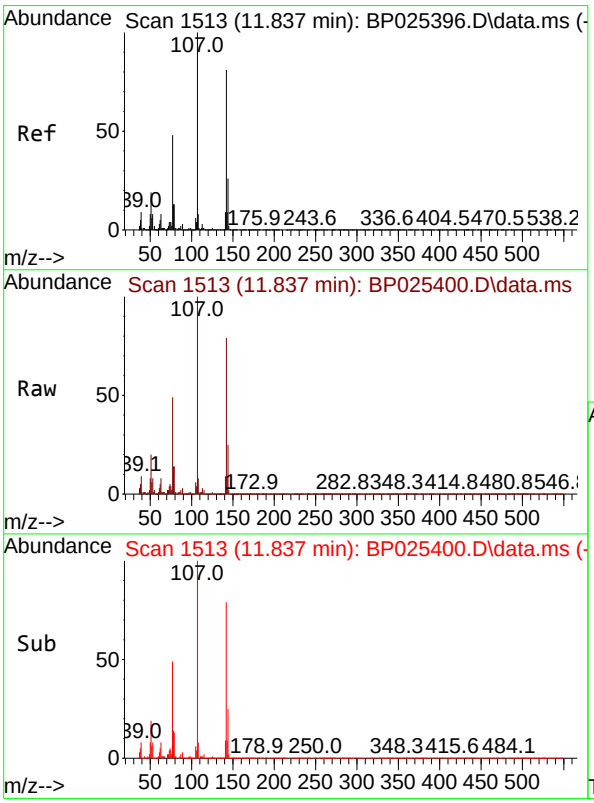
#35
Caprolactam
Concen: 38.310 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:113 Resp: 163211

Ion	Ratio	Lower	Upper
113	100		
55	156.9	140.0	180.0
56	121.2	100.0	140.0

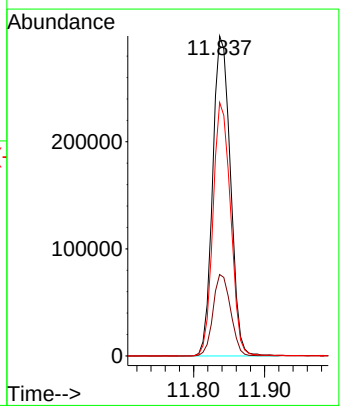


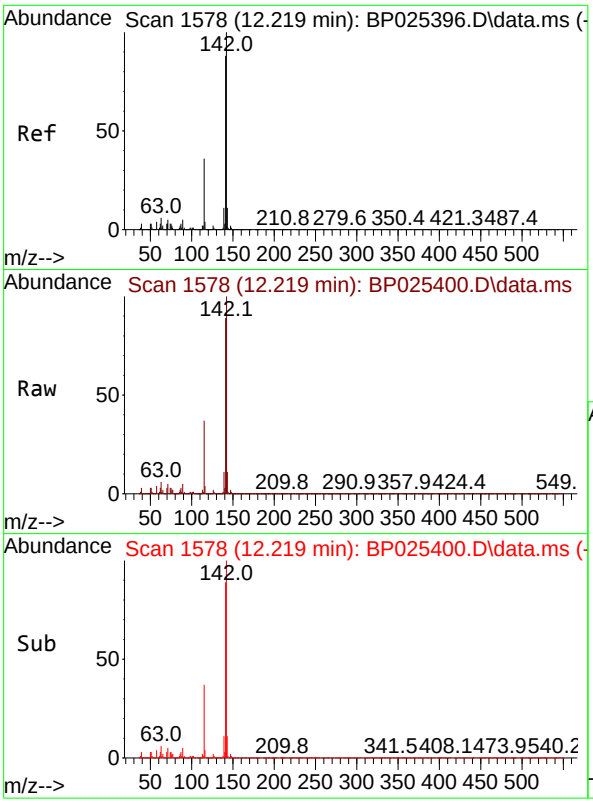


#36
4-Chloro-3-methylphenol
Concen: 38.789 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:107 Resp: 517126

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	79.2	64.6	97.0



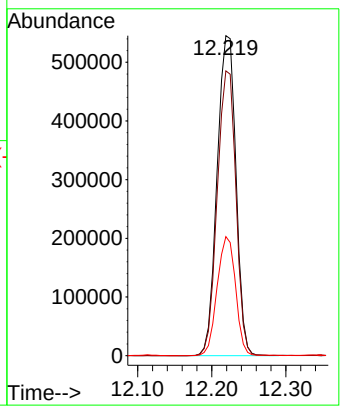


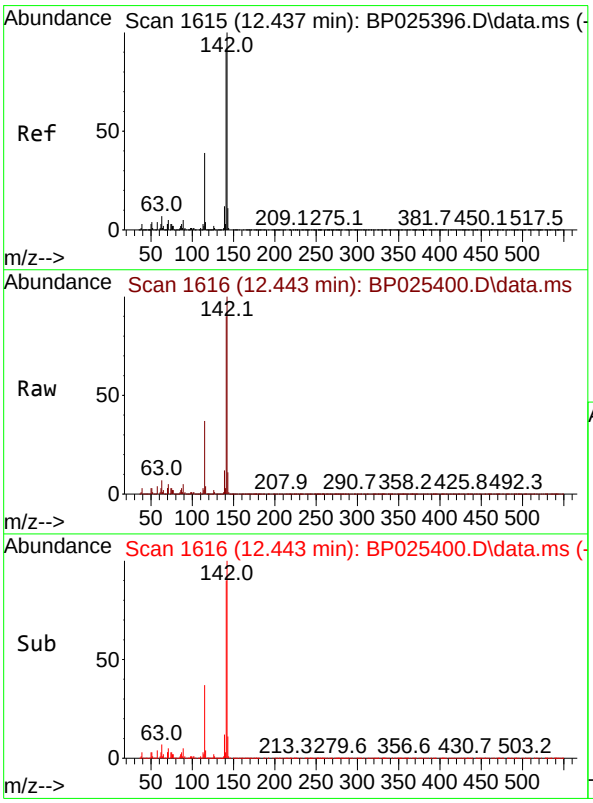
#37
2-Methylnaphthalene
Concen: 37.845 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:142 Resp: 960146

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	37.2	28.9	43.3

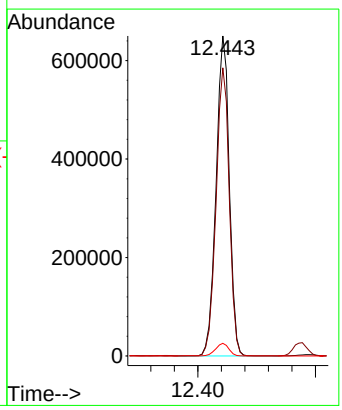


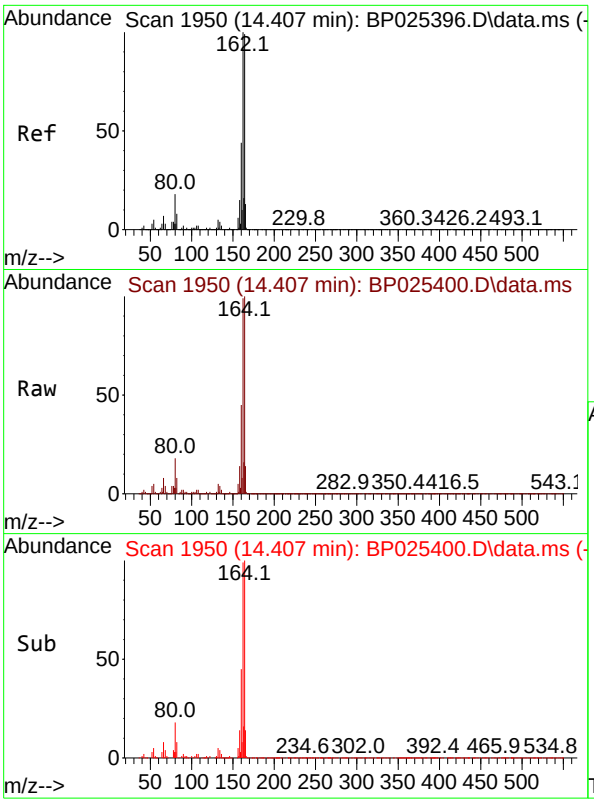


#38
1-Methylnaphthalene
Concen: 37.539 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:142 Resp: 1012844

Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.1	109.7
116	3.9	3.2	4.8



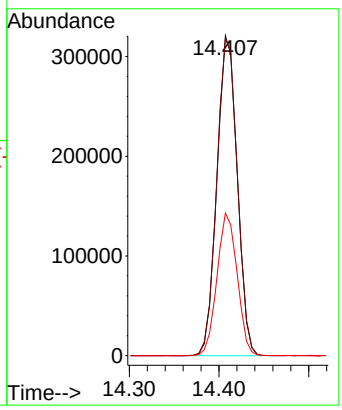


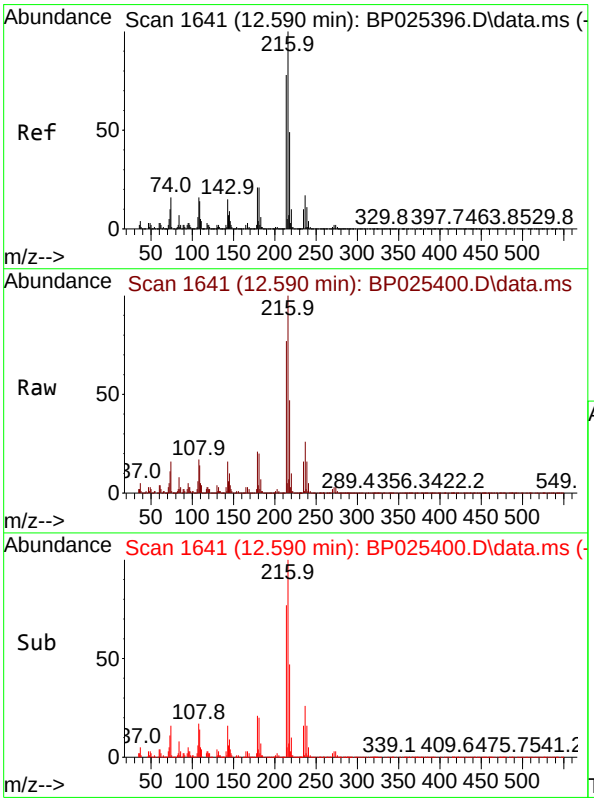
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:164 Resp: 503239

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.6
160	44.5	35.4	53.2

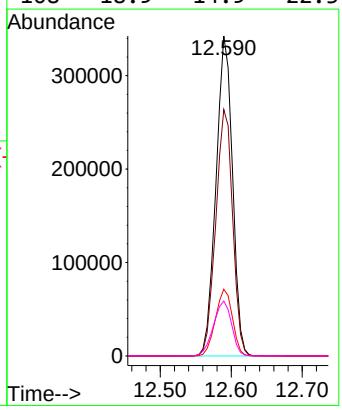


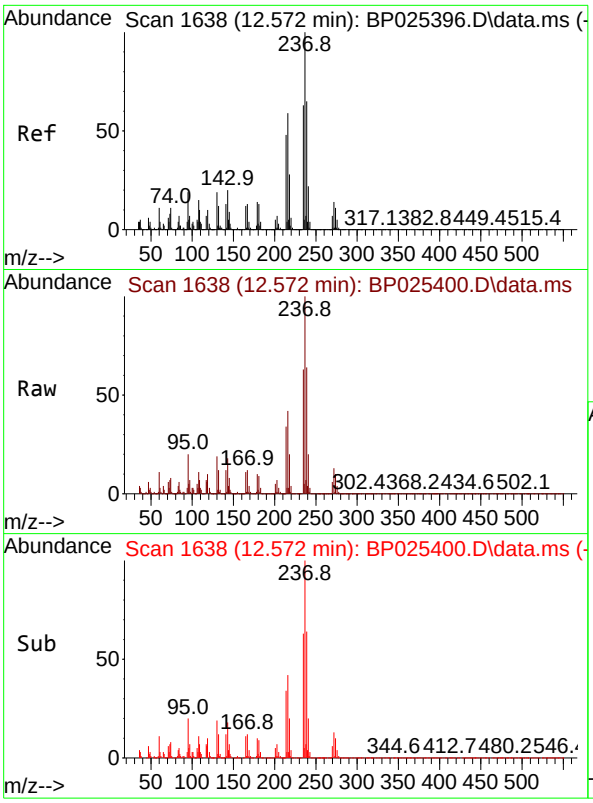


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.895 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:216 Resp: 550777

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.4	17.1	25.7
108	18.9	14.9	22.3



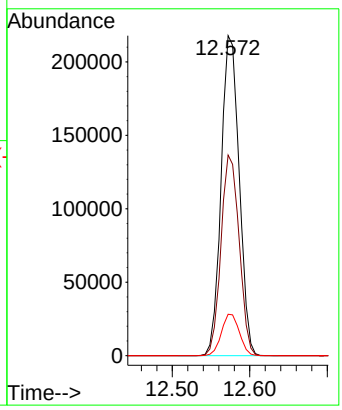


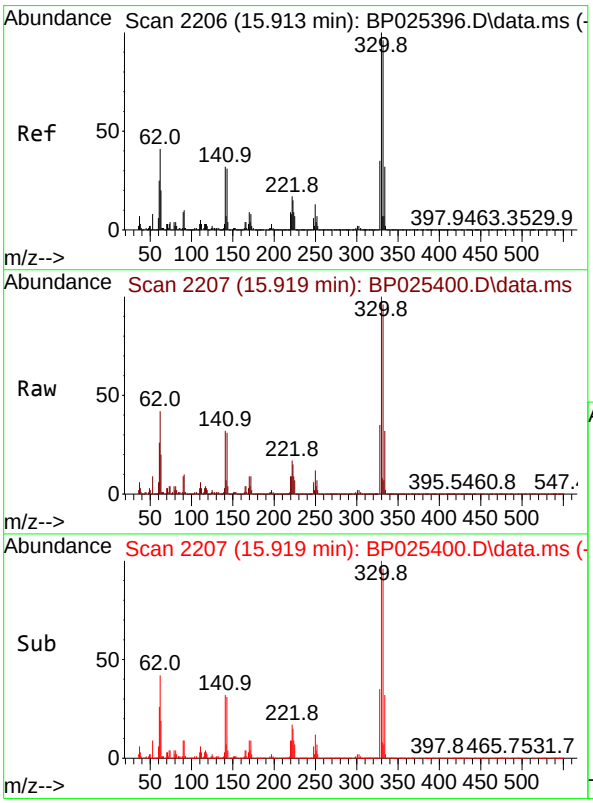
#41
Hexachlorocyclopentadiene
Concen: 40.074 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:237 Resp: 351819

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.7	82.7
272	13.0	0.0	34.0

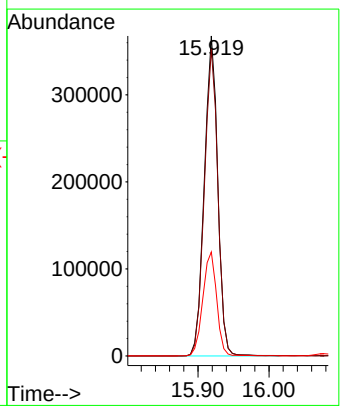


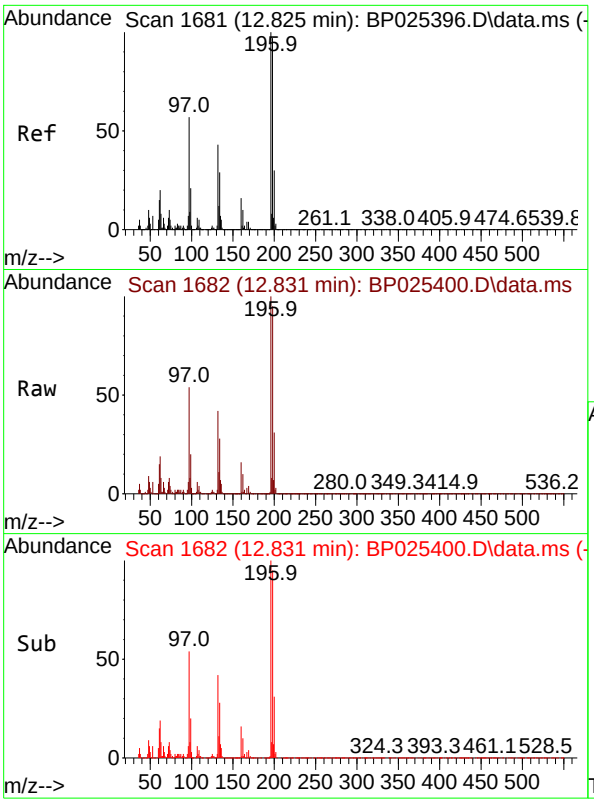


#42
2,4,6-Tribromophenol
Concen: 71.582 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:330 Resp: 484870

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	33.4	26.6	39.8



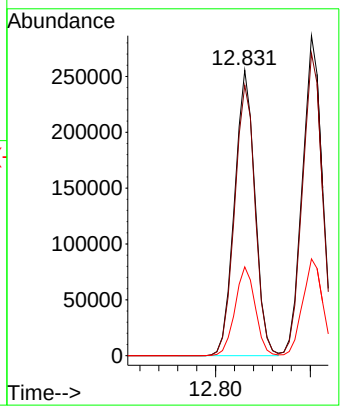


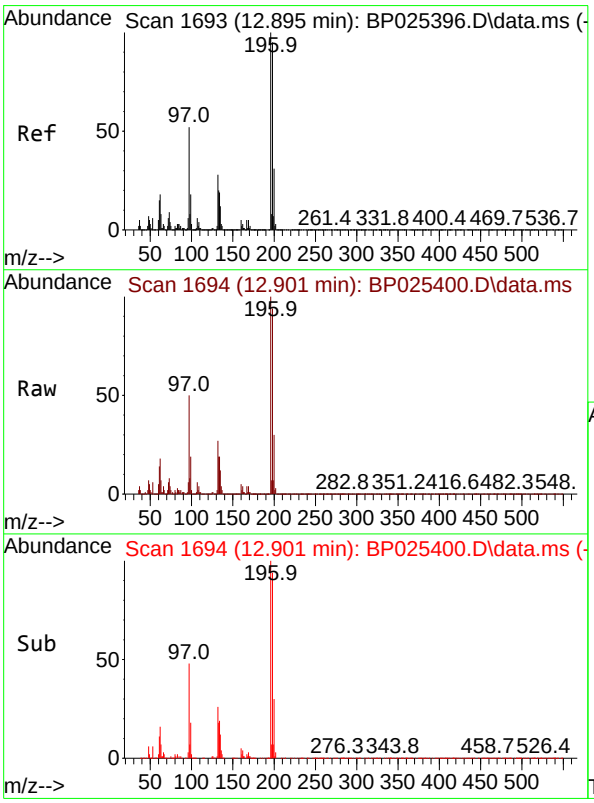
#43
2,4,6-Trichlorophenol
Concen: 38.972 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:196 Resp: 382393

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.1	23.9	35.9

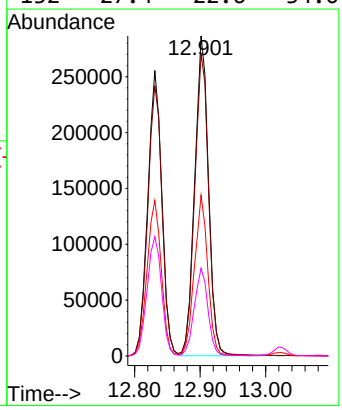


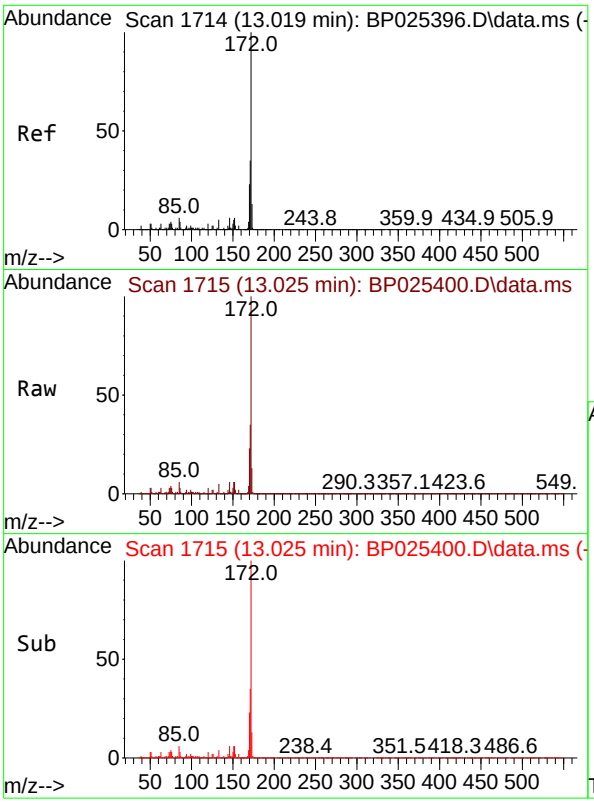


#44
2,4,5-Trichlorophenol
Concen: 39.108 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:196 Resp: 420565

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.2	114.2
97	50.2	41.2	61.8
132	27.4	22.6	34.0



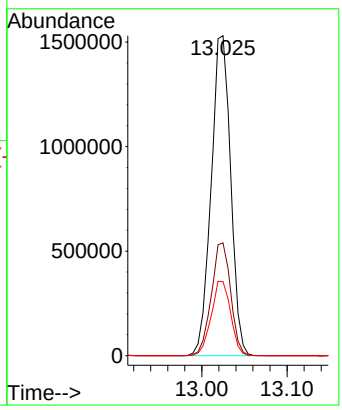


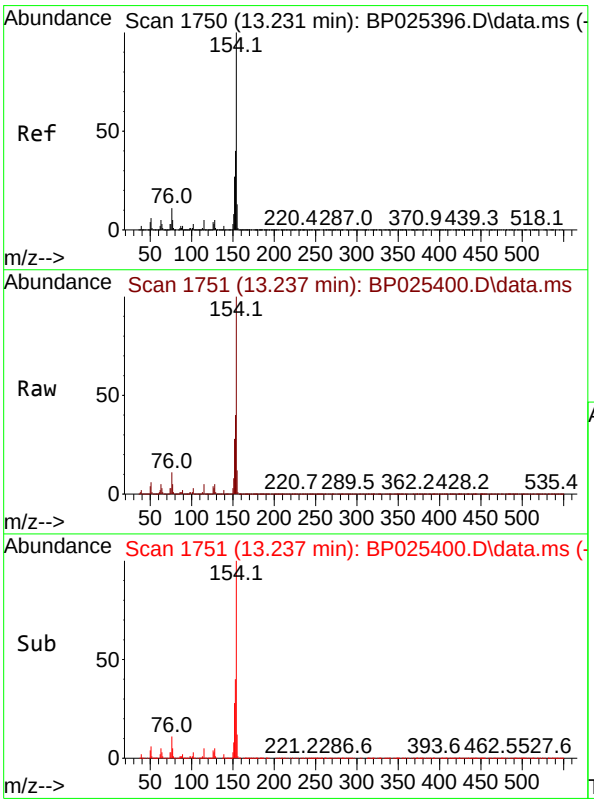
#45
2-Fluorobiphenyl
Concen: 66.016 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:172 Resp: 2430828

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.1	42.1
170	23.1	18.6	28.0

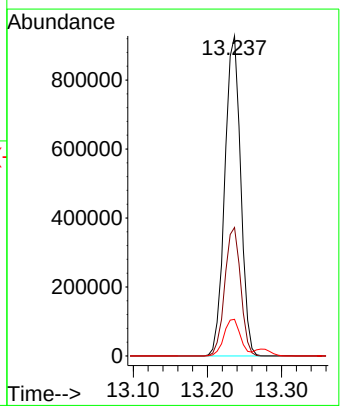


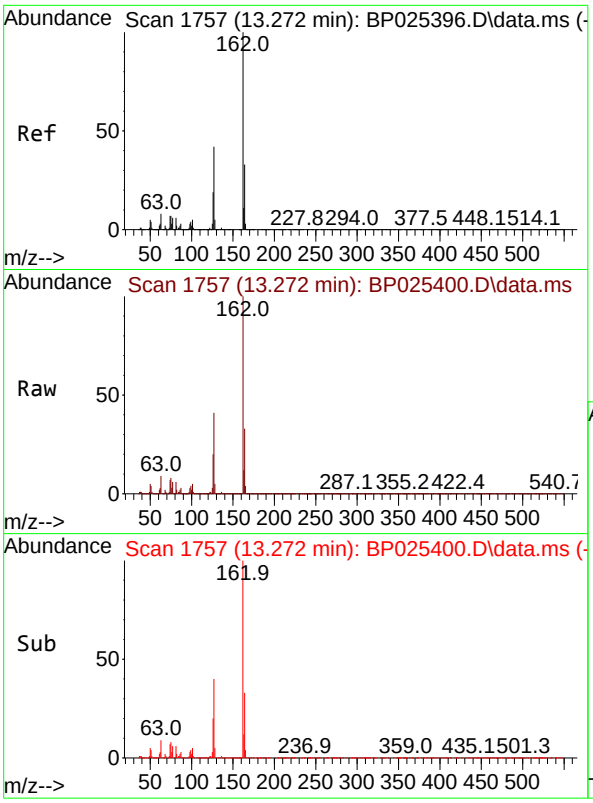


#46
1,1'-Biphenyl
Concen: 37.672 ng
RT: 13.237 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1376834

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.4	0.0	31.1



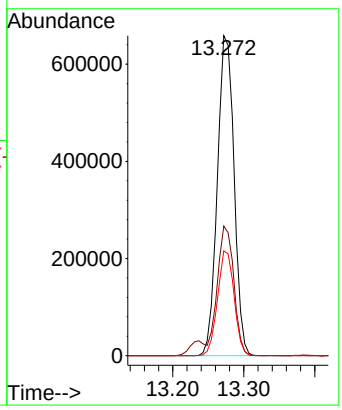


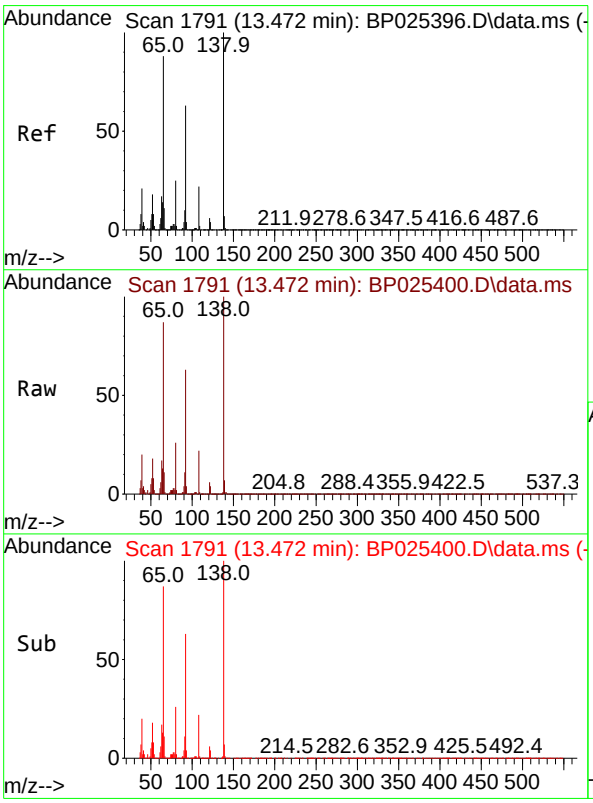
#47
2-Chloronaphthalene
Concen: 37.682 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:162 Resp: 1072147

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.8	26.2	39.2

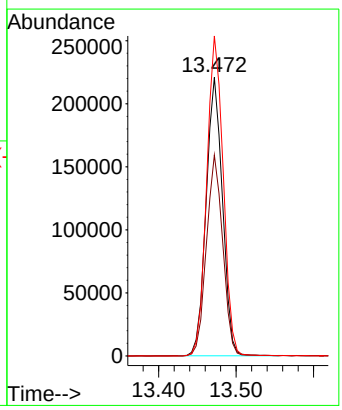


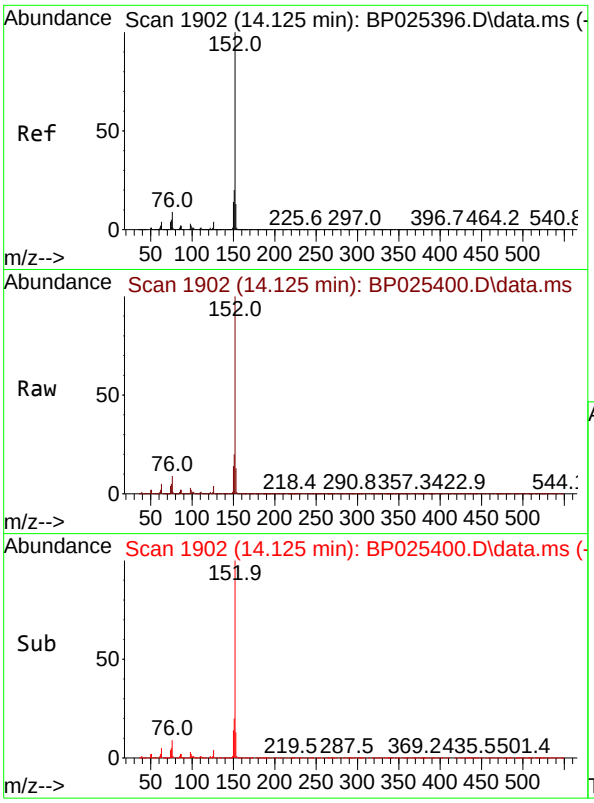


#48
2-Nitroaniline
Concen: 39.081 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion: 65 Resp: 323995

Ion	Ratio	Lower	Upper
65	100		
92	72.2	57.6	86.4
138	114.9	91.0	136.6



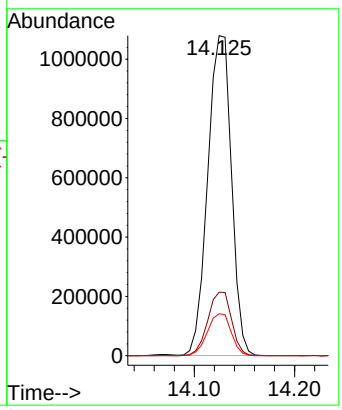


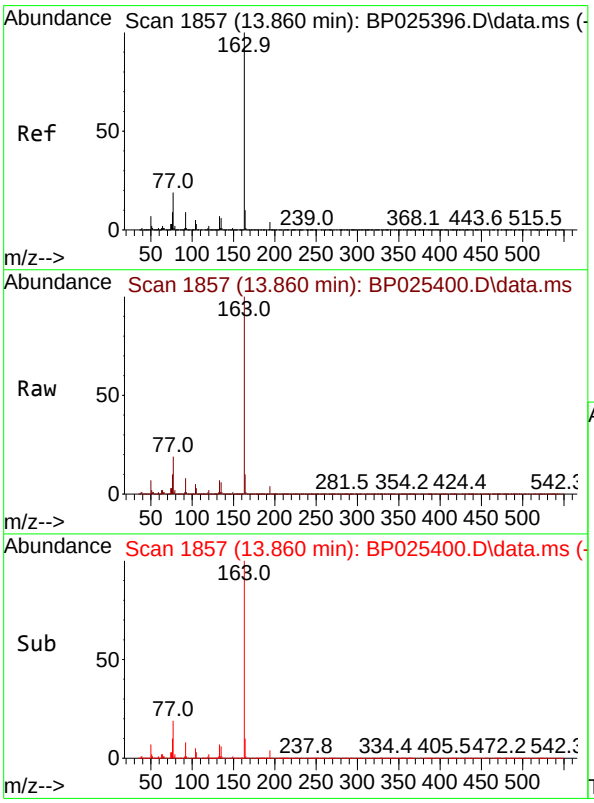
#49
Acenaphthylene
Concen: 37.720 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:152 Resp: 1775899

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8

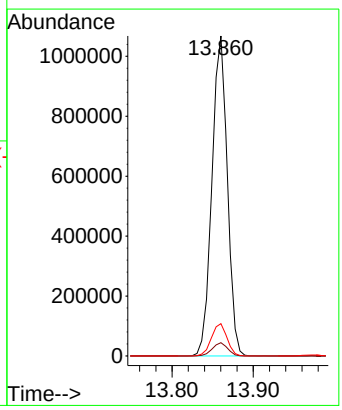


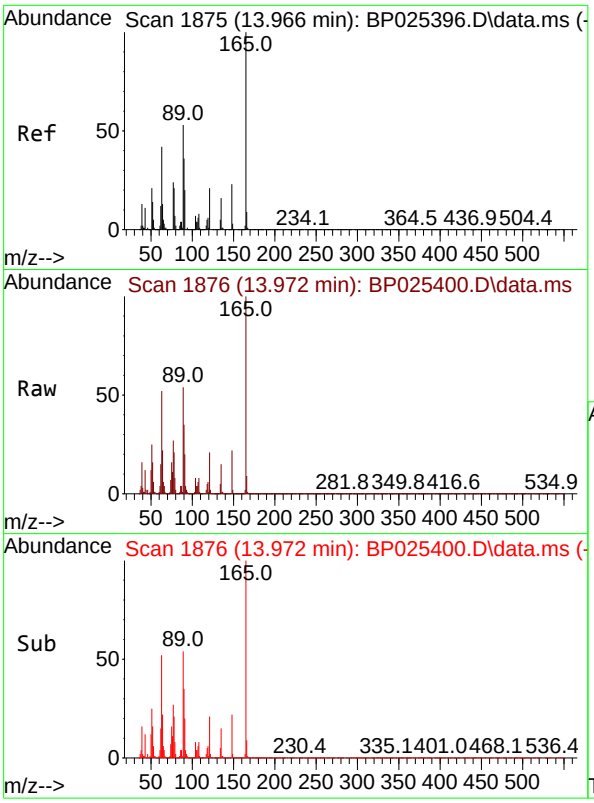


#50
Dimethylphthalate
Concen: 38.170 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:163 Resp: 1406620

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	7.9	11.9



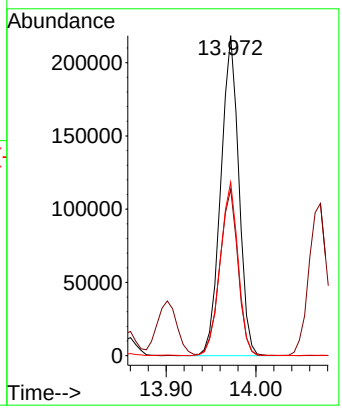


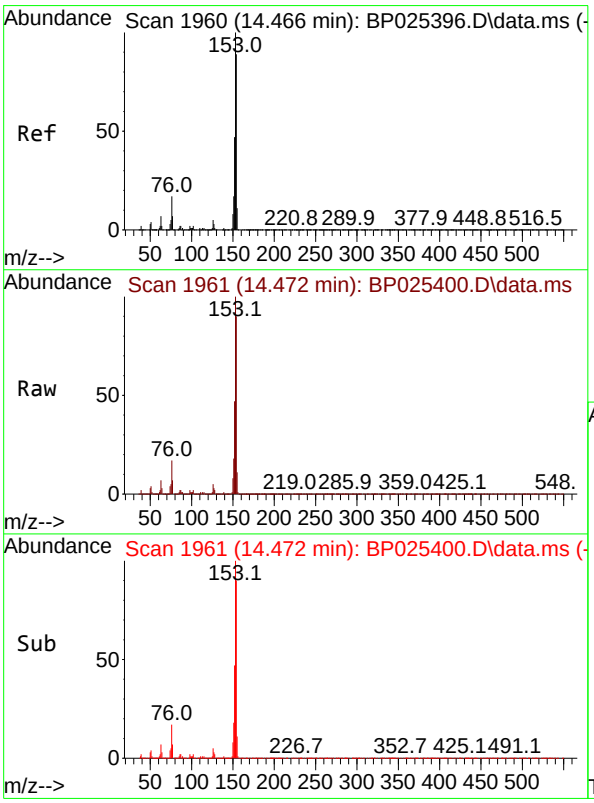
#51
2,6-Dinitrotoluene
Concen: 39.211 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:165 Resp: 304562

Ion	Ratio	Lower	Upper
165	100		
63	52.1	40.9	61.3
89	54.2	42.1	63.1

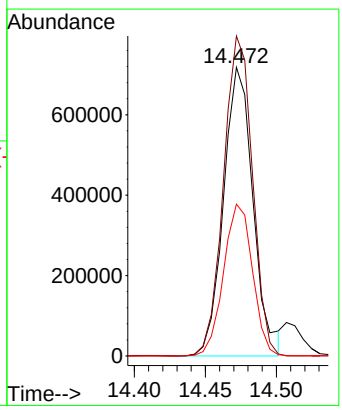


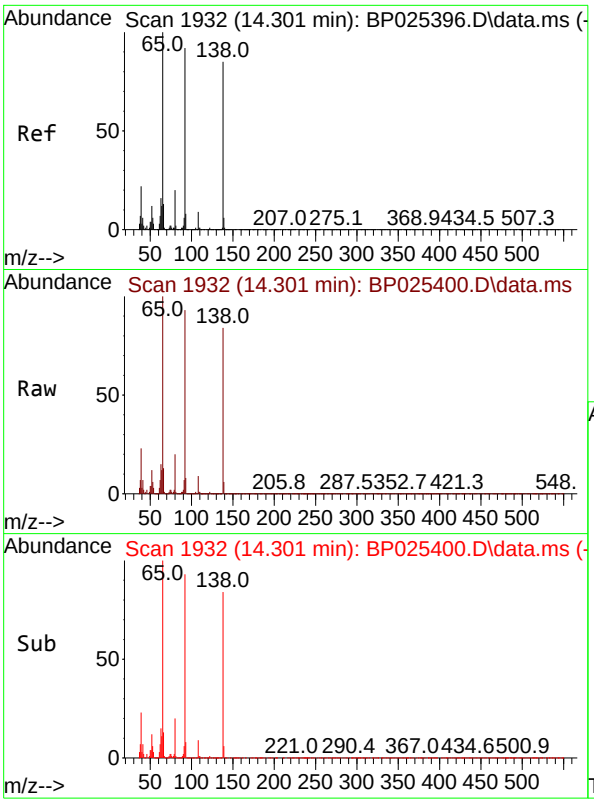


#52
Acenaphthene
Concen: 37.603 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:154 Resp: 1039167

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.2	135.2
152	52.6	42.1	63.1



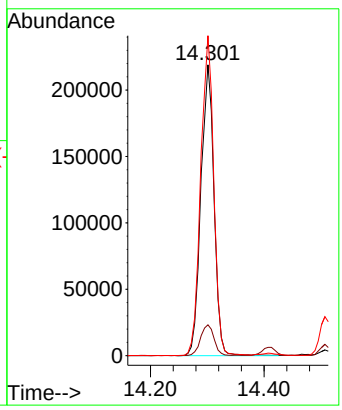


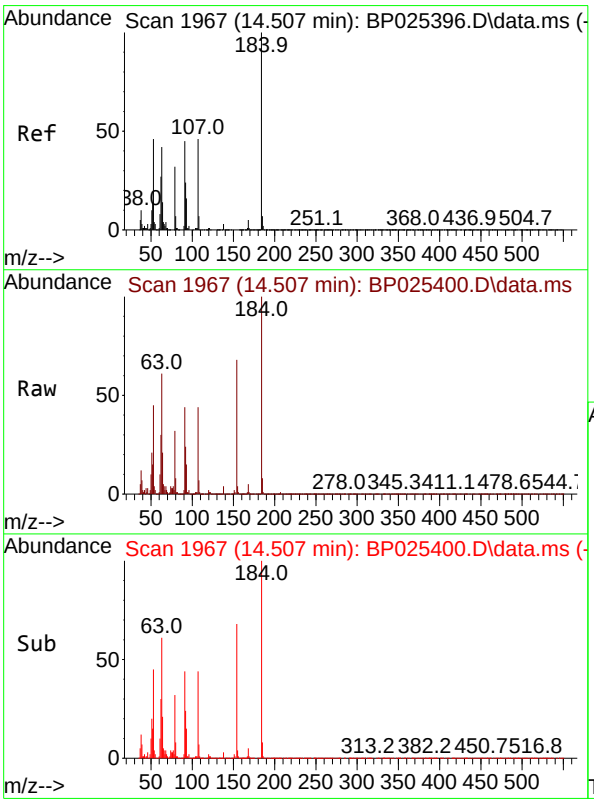
#53
3-Nitroaniline
Concen: 40.027 ng
RT: 14.301 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:138 Resp: 349791

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.3	12.5
92	110.0	86.2	129.2

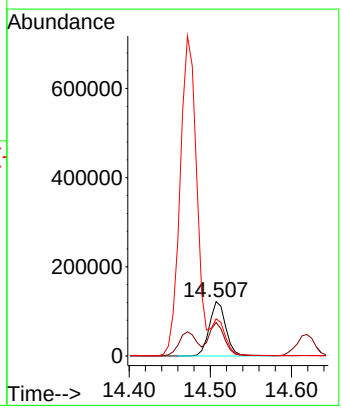


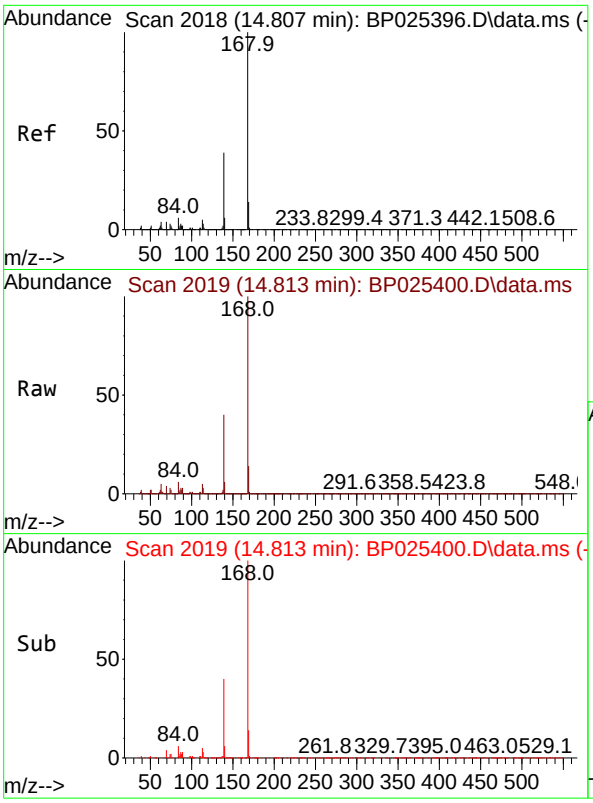


#54
2,4-Dinitrophenol
Concen: 41.646 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:184 Resp: 172743

Ion	Ratio	Lower	Upper
184	100		
63	61.3	49.4	74.2
154	68.1	54.6	82.0



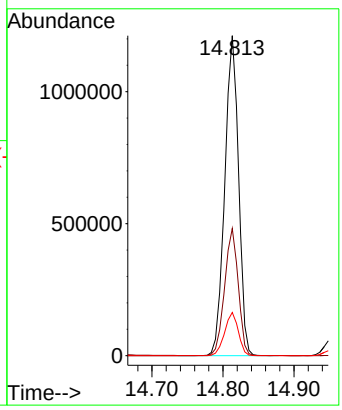


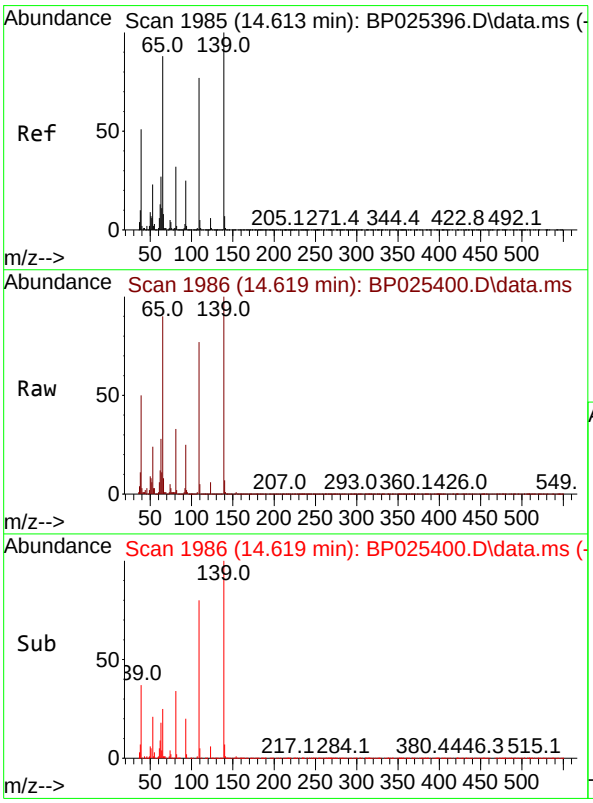
#55
Dibenzofuran
Concen: 37.324 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:168 Resp: 1630744

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.5	47.3
169	13.5	10.9	16.3

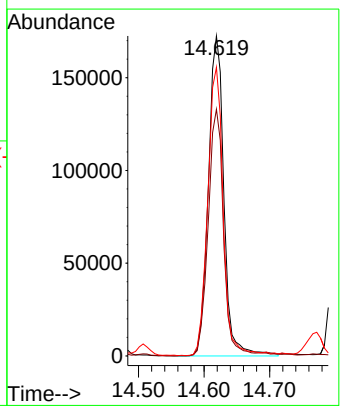


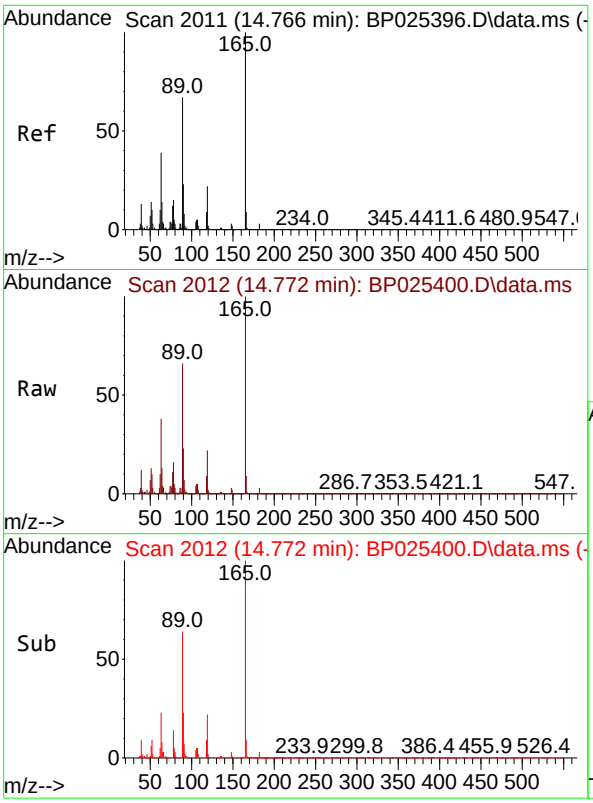


#56
4-Nitrophenol
Concen: 39.630 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:139 Resp: 284585

Ion	Ratio	Lower	Upper
139	100		
109	77.1	56.6	96.6
65	90.2	68.2	108.2



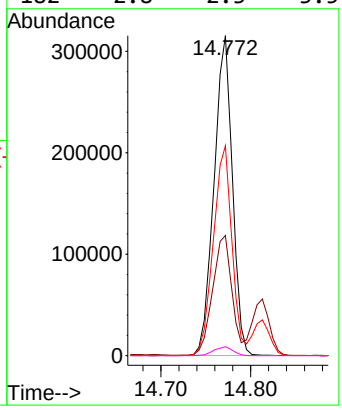


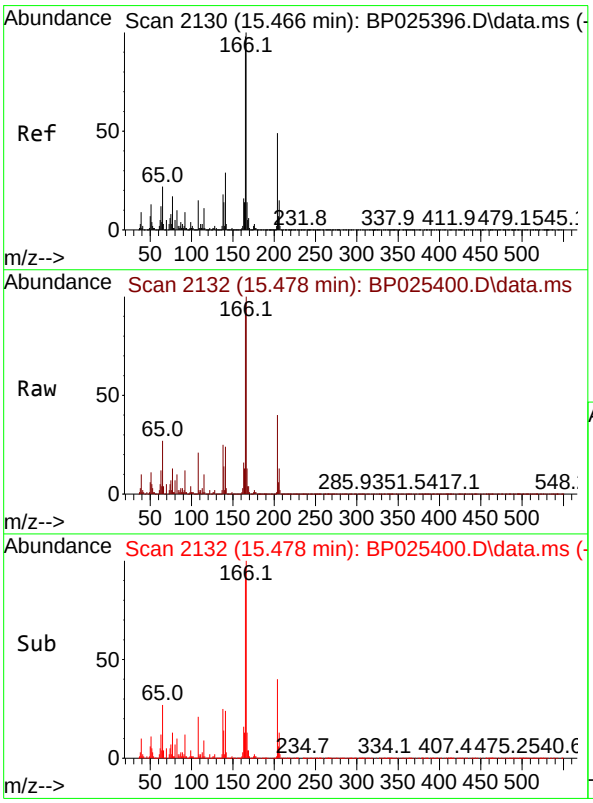
#57
2,4-Dinitrotoluene
Concen: 40.439 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:165 Resp: 448143

Ion	Ratio	Lower	Upper
165	100		
63	37.5	31.4	47.2
89	65.6	53.3	79.9
182	2.8	2.3	3.5

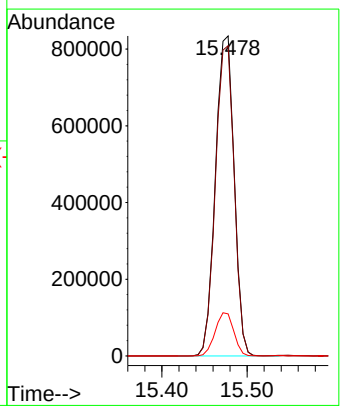


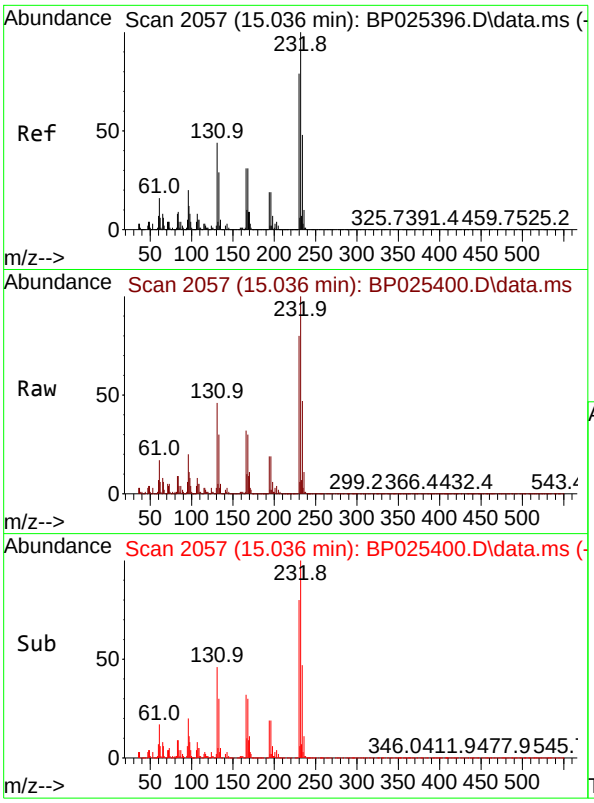


#58
Fluorene
Concen: 36.992 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:166 Resp: 1275341

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.8	118.2
167	13.2	11.0	16.4



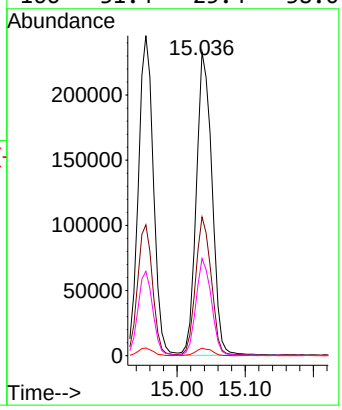


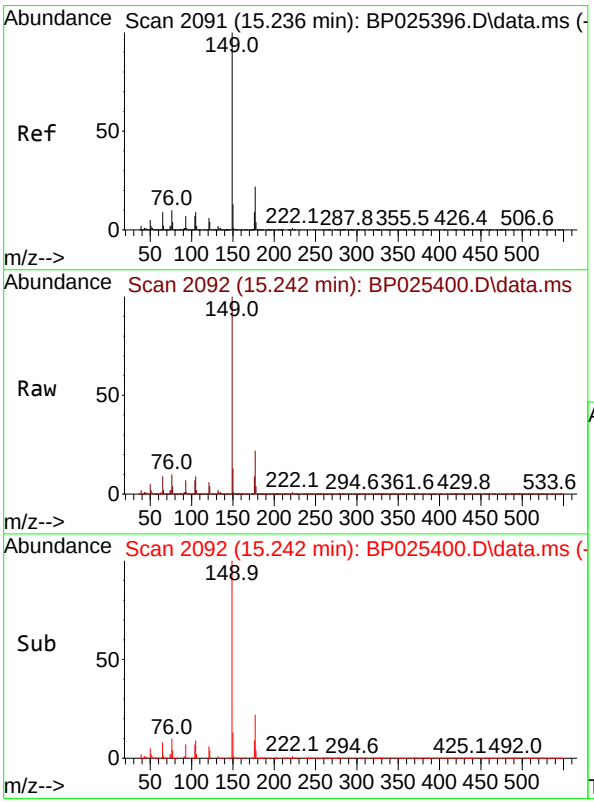
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.147 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:232 Resp: 371715

Ion	Ratio	Lower	Upper
232	100		
131	45.3	37.0	55.6
130	2.6	1.9	2.9
166	31.4	25.4	38.0

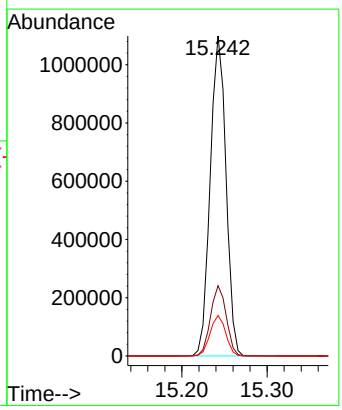


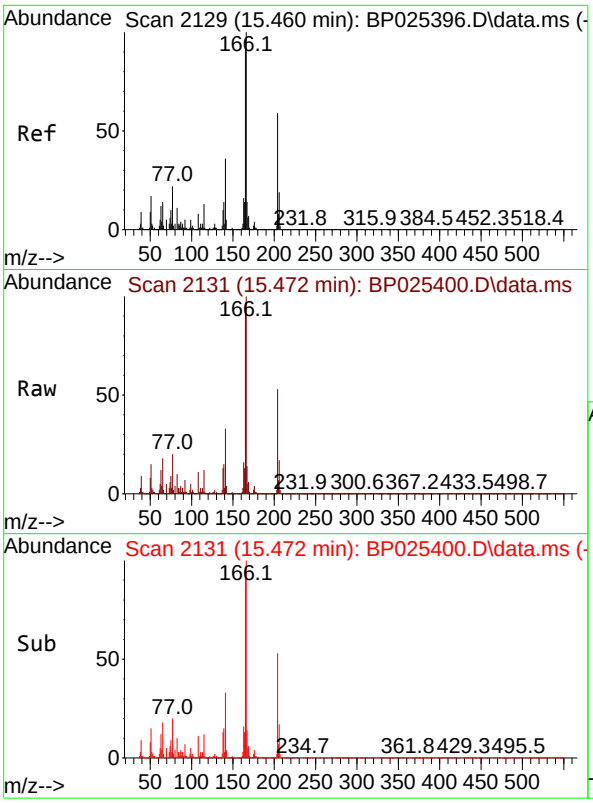


#60
Diethylphthalate
Concen: 37.810 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1415787

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.7	10.3	15.5



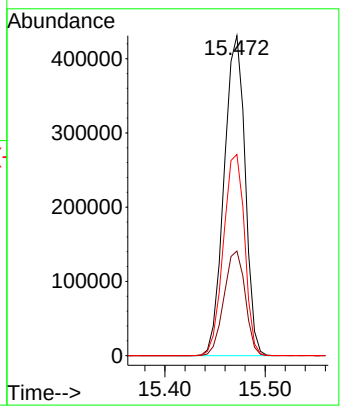


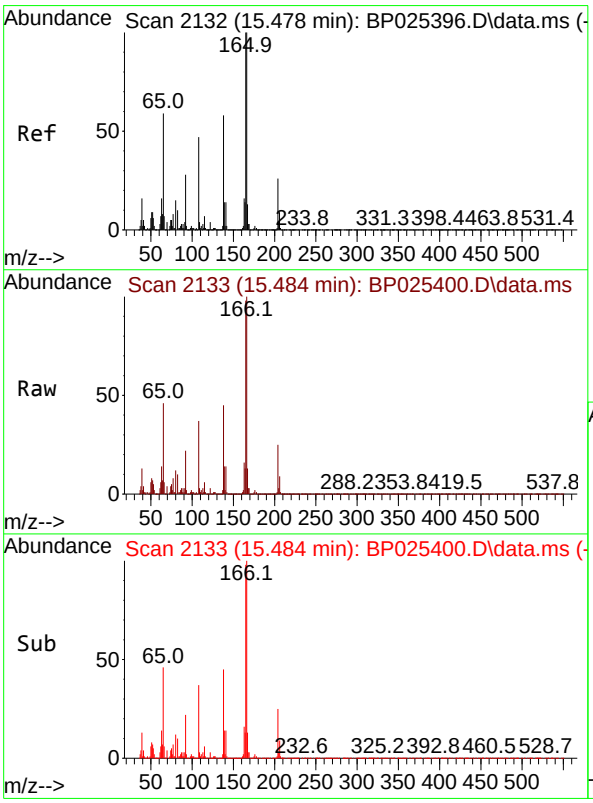
#61
4-Chlorophenyl-phenylether
Concen: 36.596 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:204 Resp: 627477

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.8
141	62.9	49.4	74.2

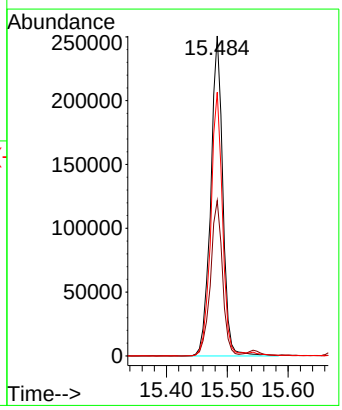


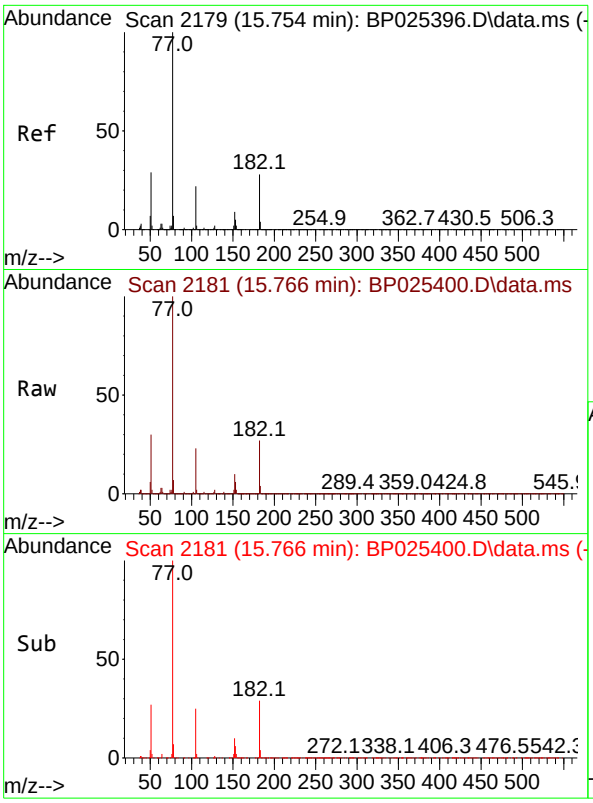


#62
4-Nitroaniline
Concen: 38.717 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:138 Resp: 346865

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.1	69.1
108	82.4	61.5	101.5



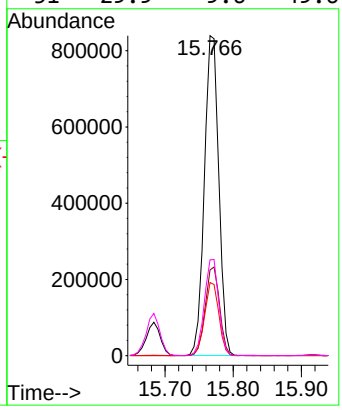


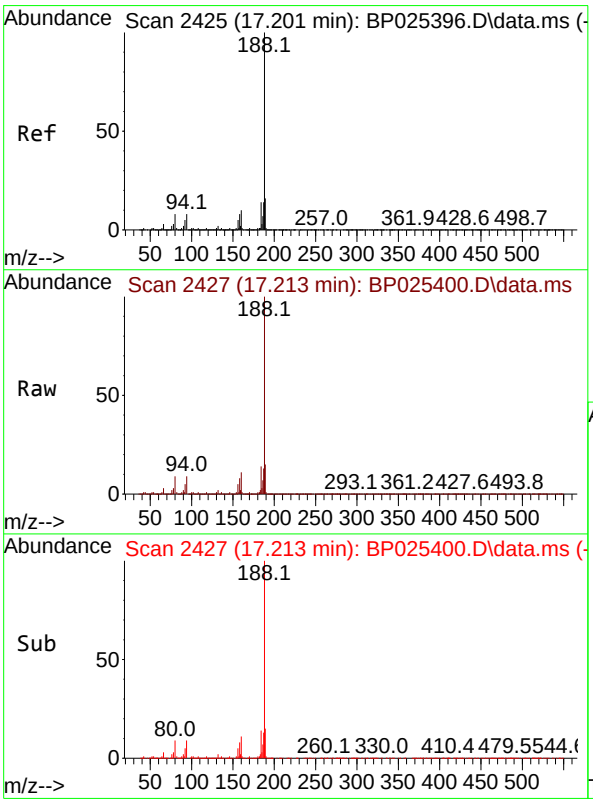
#63
Azobenzene
Concen: 38.526 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion: 77 Resp: 1235242

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.5	47.5
105	22.8	2.1	42.1
51	29.9	9.6	49.6

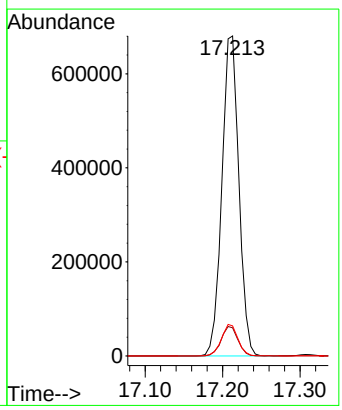


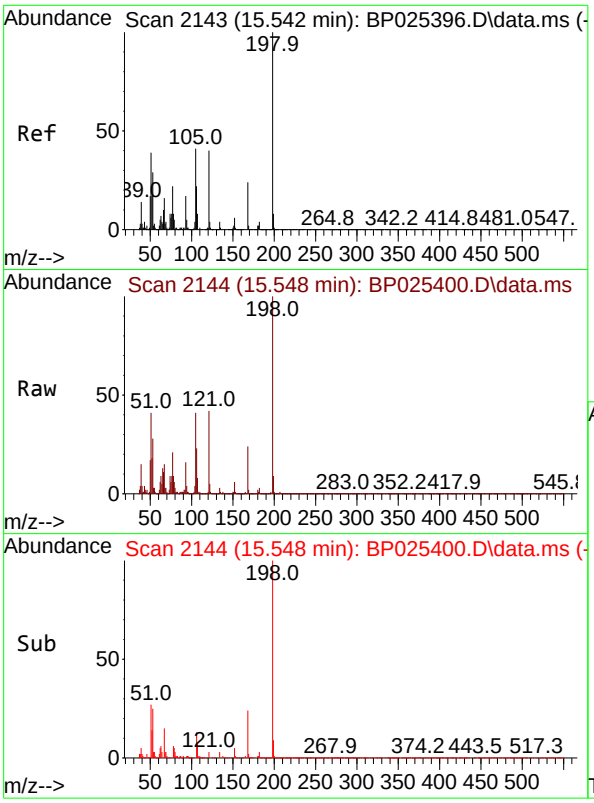


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.213 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:188 Resp: 1034378

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.4	6.7	10.1



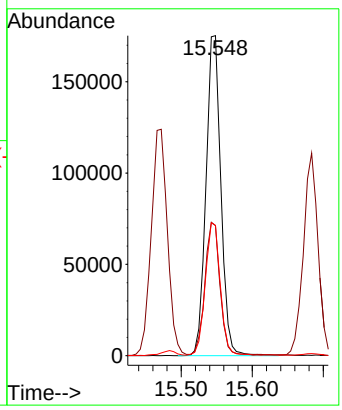


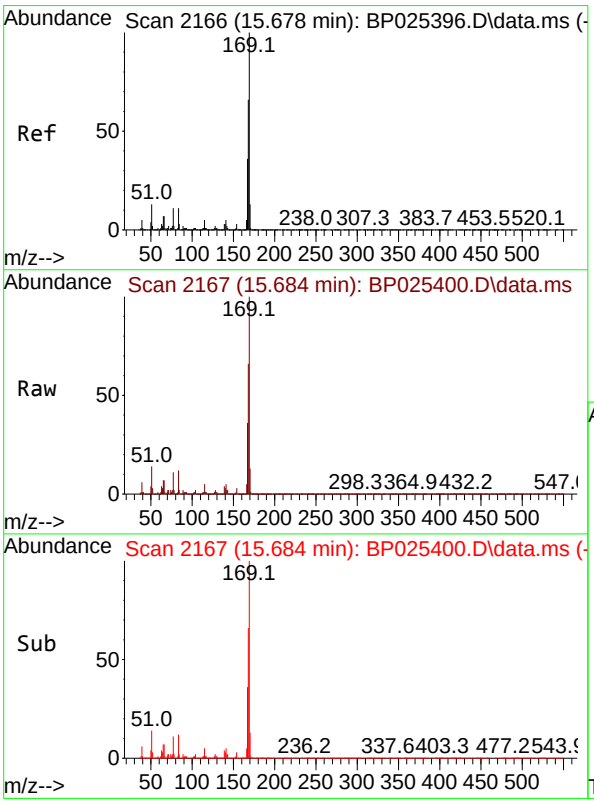
#65
4,6-Dinitro-2-methylphenol
Concen: 39.721 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:198 Resp: 256111

Ion	Ratio	Lower	Upper
198	100		
51	40.6	19.6	59.6
105	40.7	20.9	60.9

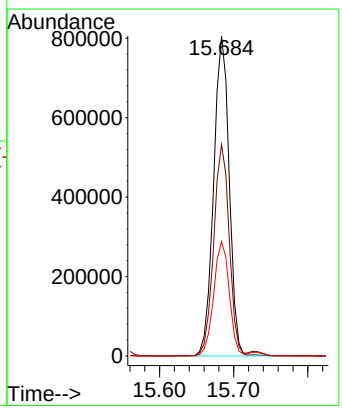


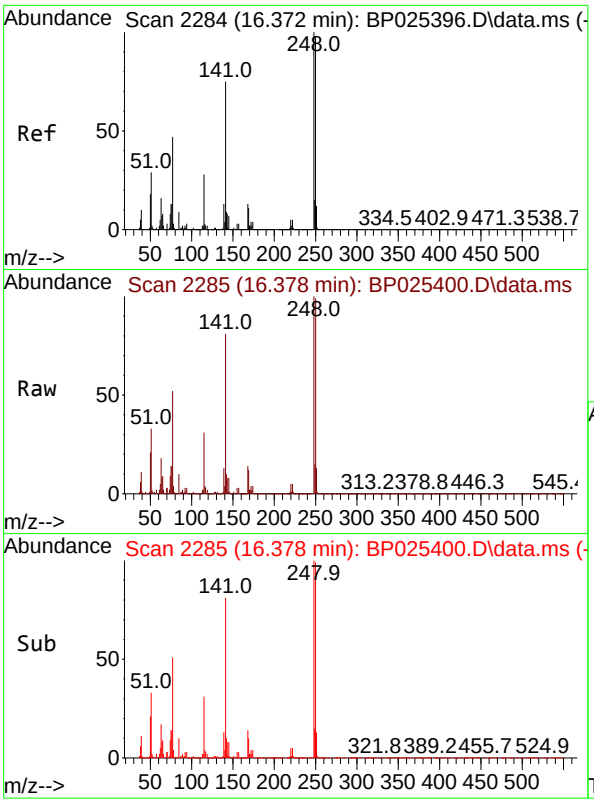


#66
n-Nitrosodiphenylamine
Concen: 37.227 ng
RT: 15.684 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:169 Resp: 1174244

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.2	79.8
167	35.7	28.7	43.1



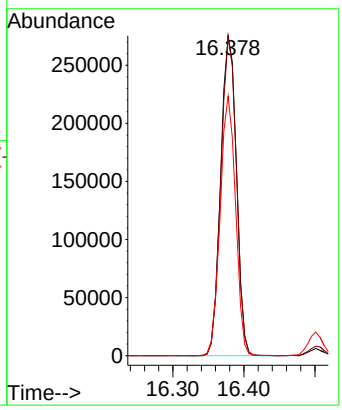


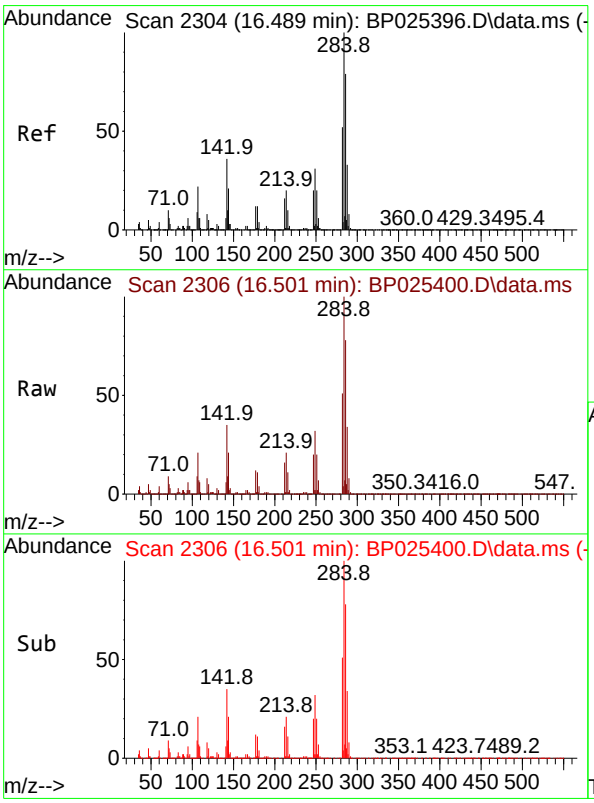
#67
4-Bromophenyl-phenylether
Concen: 37.101 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:248 Resp: 422072

Ion	Ratio	Lower	Upper
248	100		
250	99.4	78.2	117.2
141	81.1	59.6	89.4

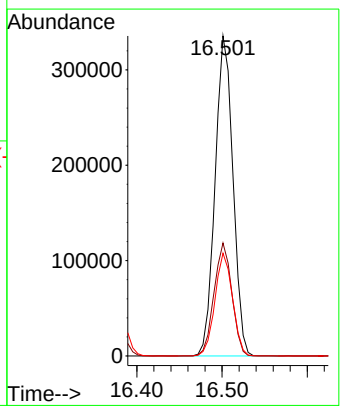


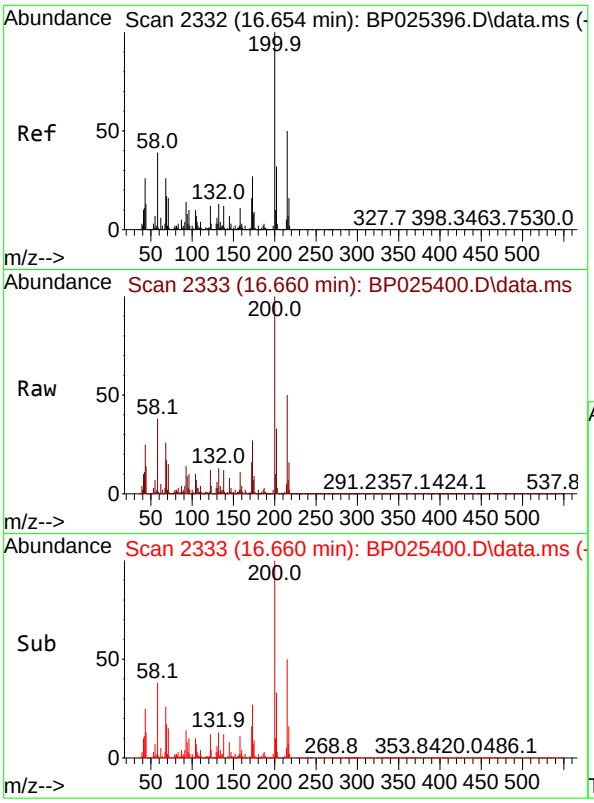


#68
Hexachlorobenzene
Concen: 37.062 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:284 Resp: 488749

Ion	Ratio	Lower	Upper
284	100		
142	35.3	29.1	43.7
249	32.1	25.0	37.4



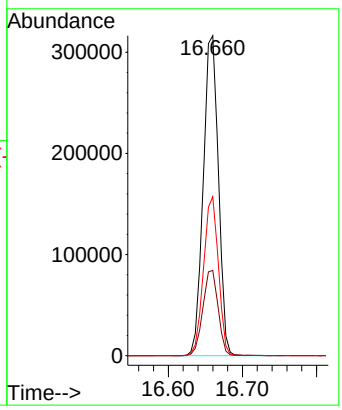


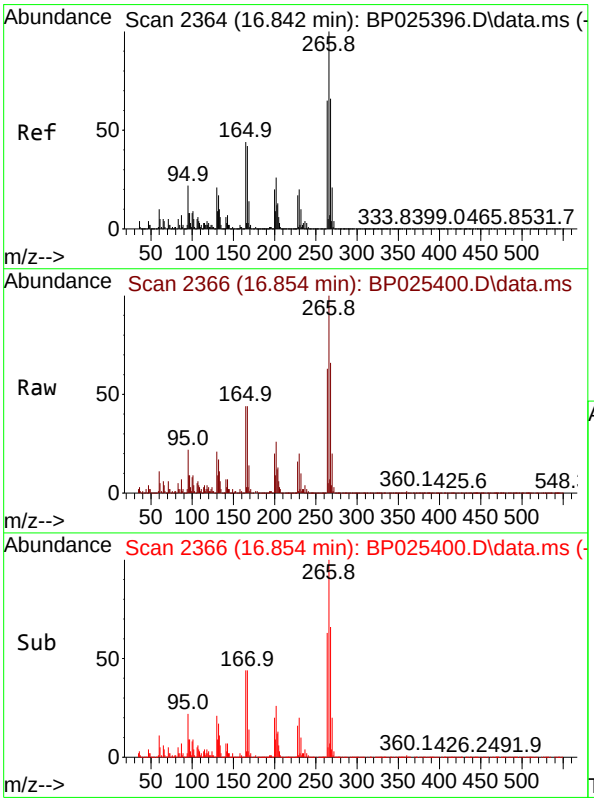
#69
Atrazine
Concen: 38.057 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:200 Resp: 449555

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	49.7	29.7	69.7

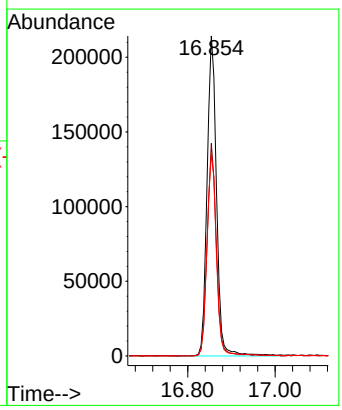


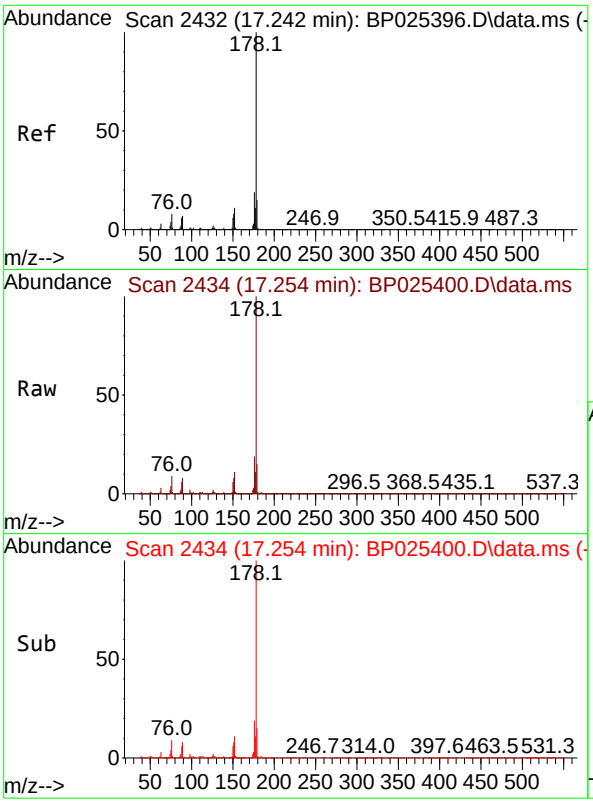


#70
Pentachlorophenol
Concen: 38.733 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:266 Resp: 322435

Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	63.2	52.0	78.0



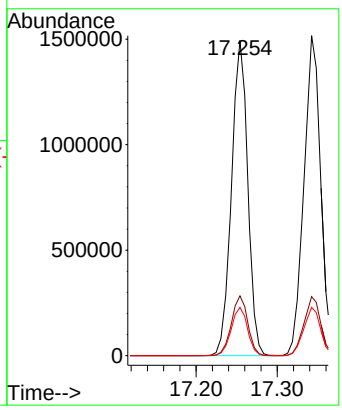


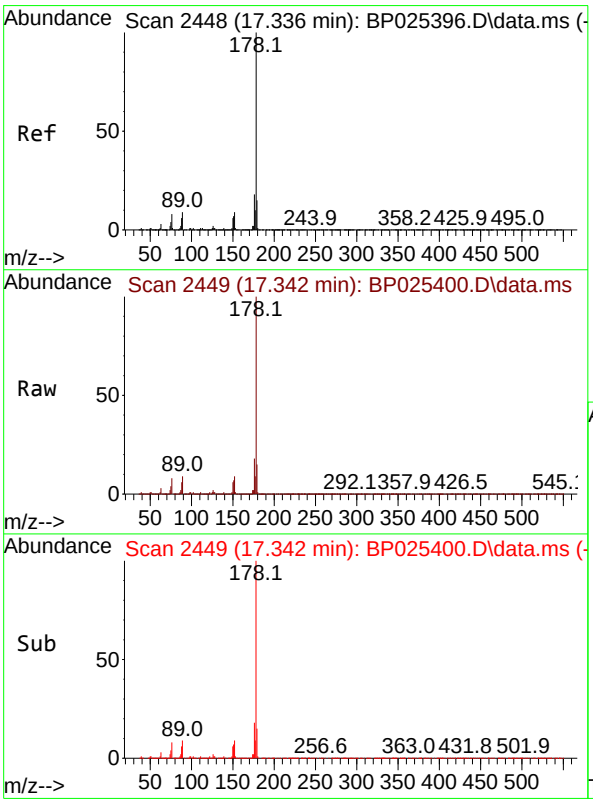
#71
Phenanthrene
Concen: 36.445 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:178 Resp: 2070873

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4

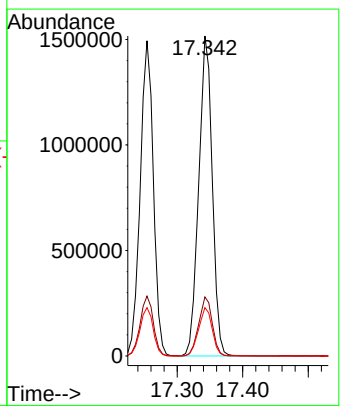


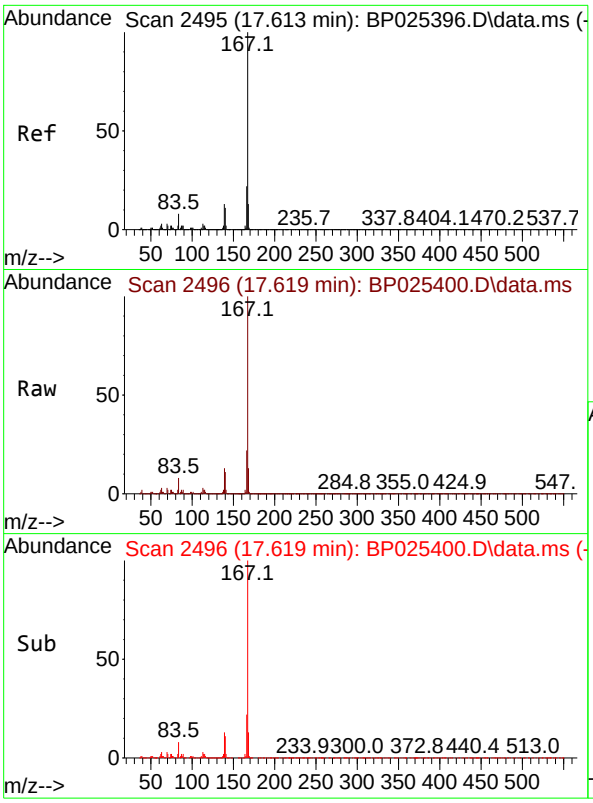


#72
Anthracene
Concen: 37.563 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:178 Resp: 2179669

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.1	12.2	18.2



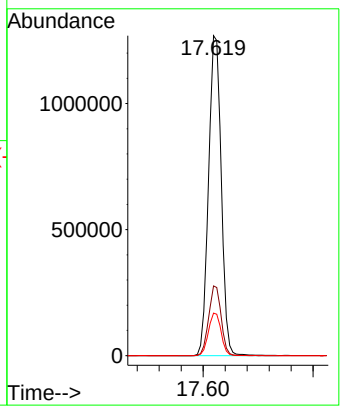


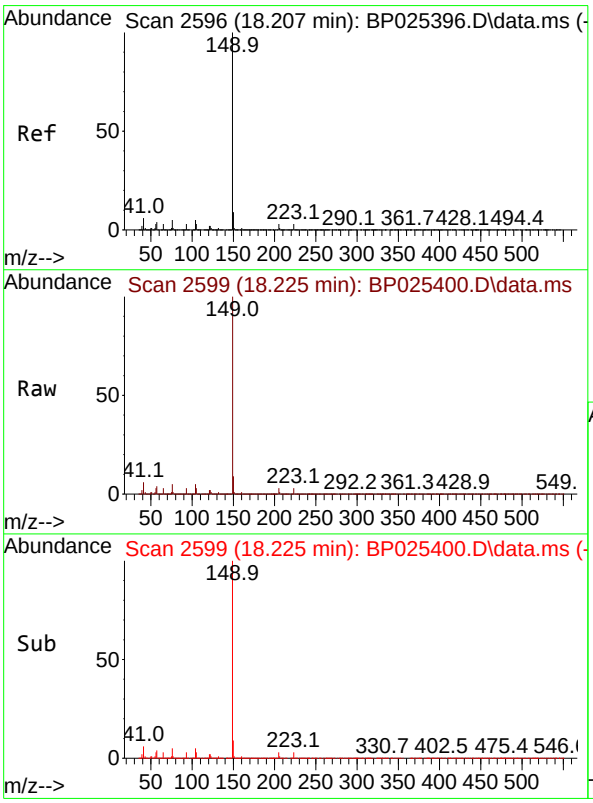
#73
Carbazole
Concen: 37.116 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:167 Resp: 2028595

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.3	10.6	16.0

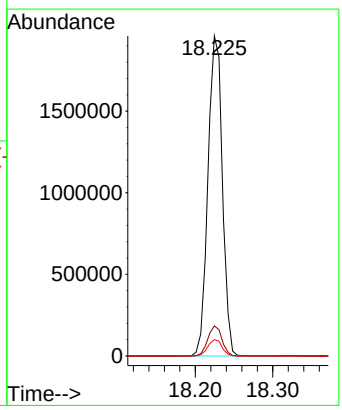


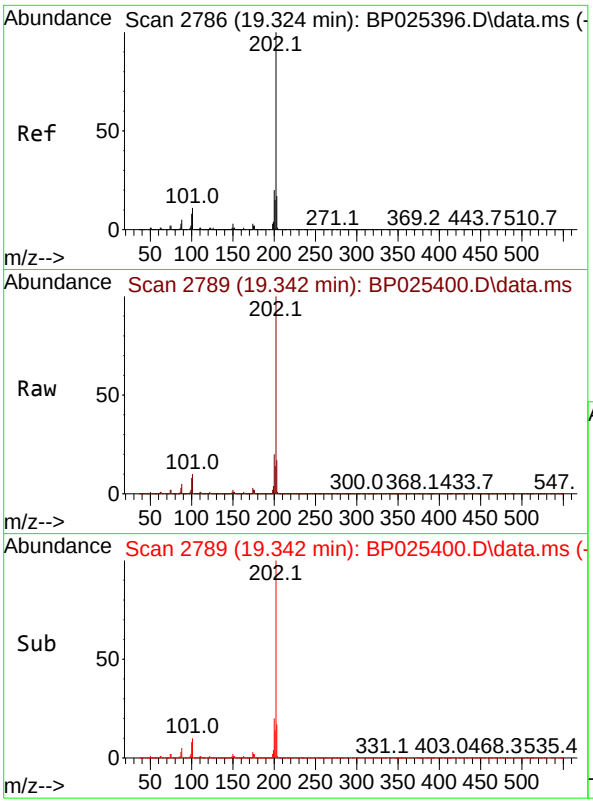


#74
Di-n-butylphthalate
Concen: 37.602 ng
RT: 18.225 min Scan# 2599
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 2528547

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.1	4.2	6.2



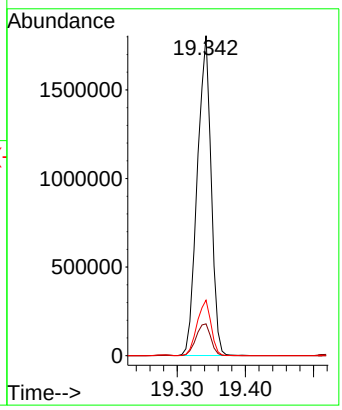


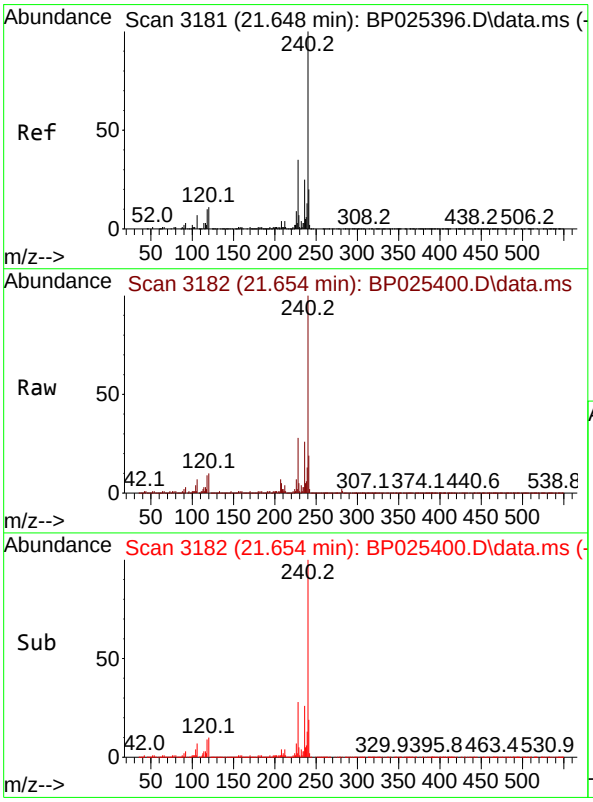
#75
Fluoranthene
Concen: 37.481 ng
RT: 19.342 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:202 Resp: 2540417

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.4	0.0	37.3

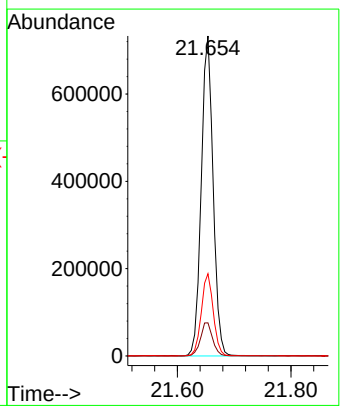


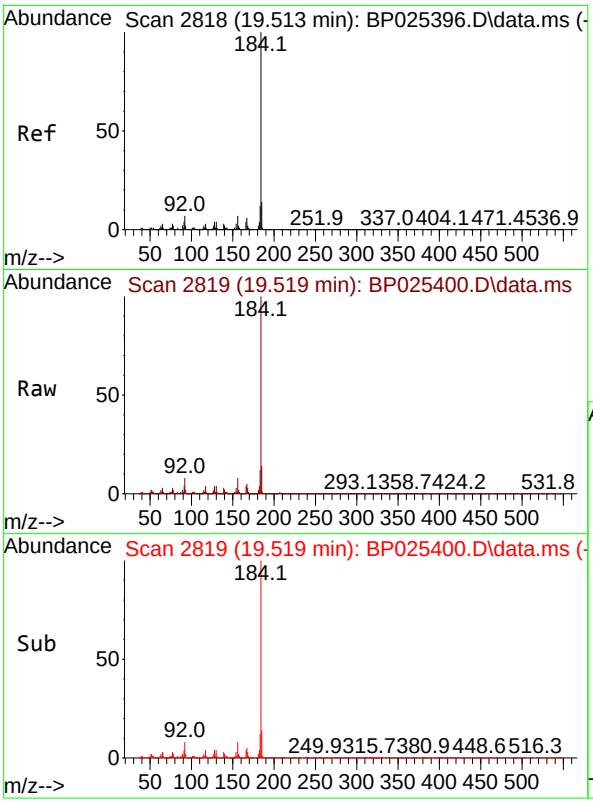


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:240 Resp: 1060337

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.7	19.8	29.8



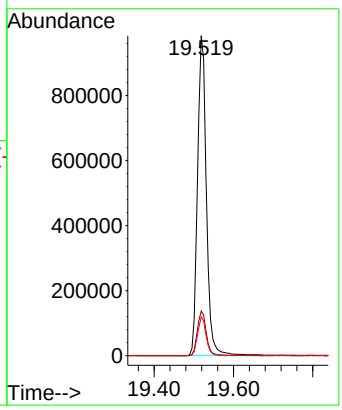


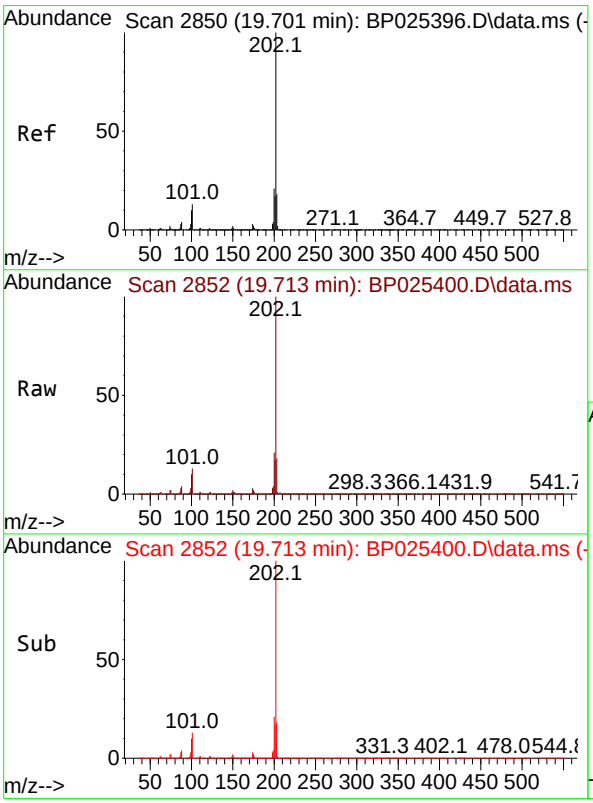
#77
Benzidine
Concen: 42.271 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:184 Resp: 1529656

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	12.1	9.4	14.2

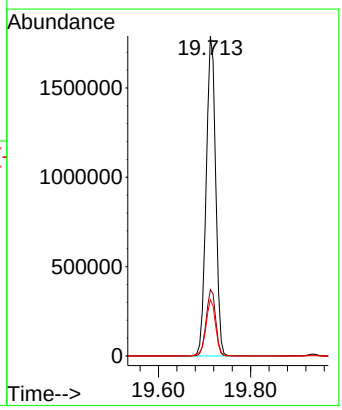


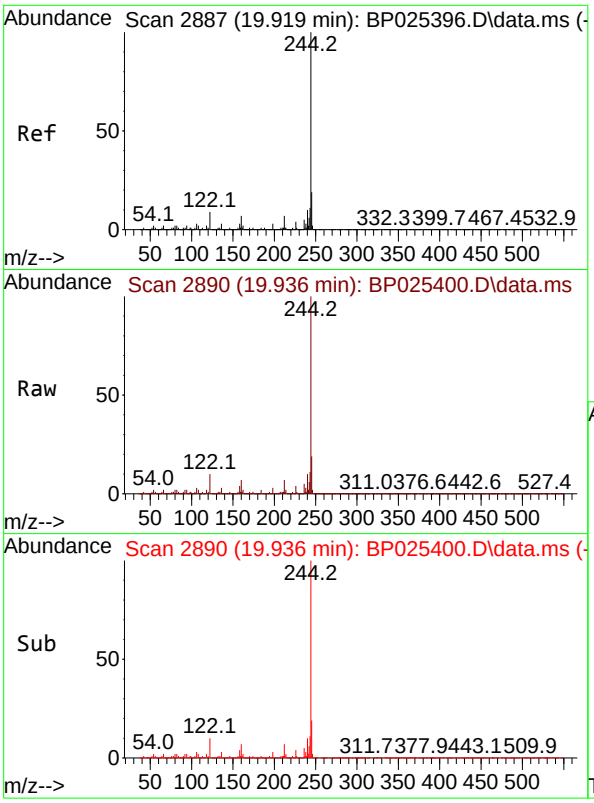


#78
Pyrene
Concen: 37.404 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:202 Resp: 2577810

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.5	14.2	21.2



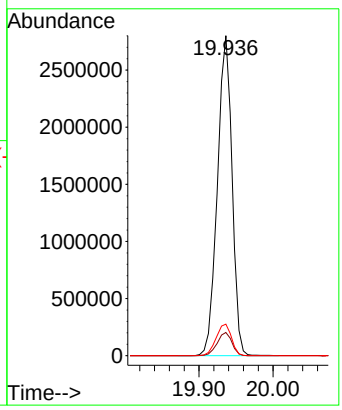


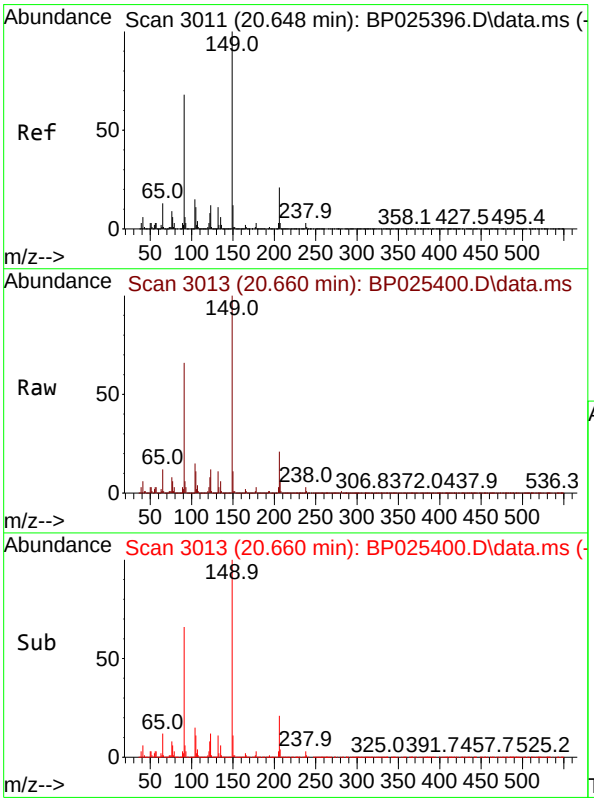
#79
Terphenyl-d14
Concen: 66.399 ng
RT: 19.936 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:244 Resp: 3848160

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.9	7.4	11.2

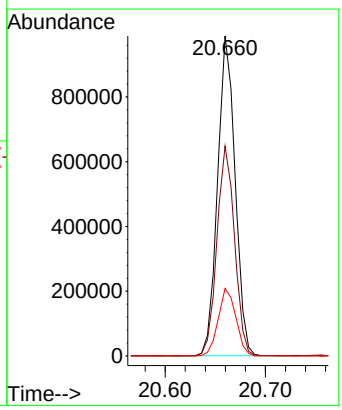


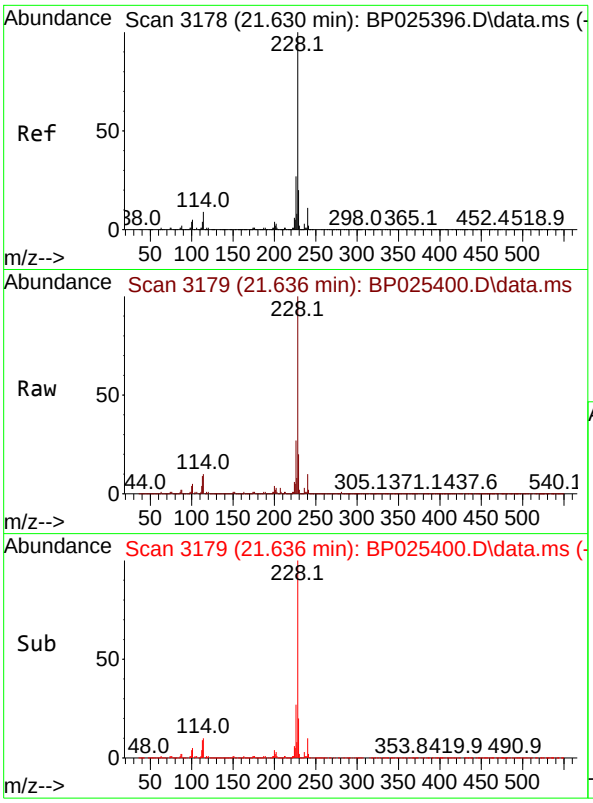


#80
Butylbenzylphthalate
Concen: 38.401 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1199445

Ion	Ratio	Lower	Upper
149	100		
91	65.6	54.2	81.2
206	21.1	16.6	24.8



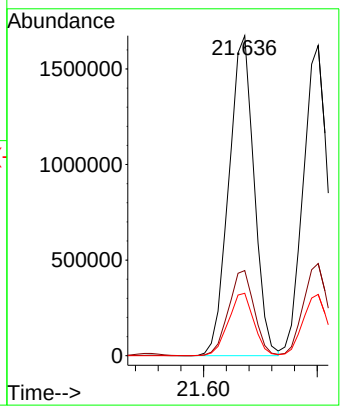


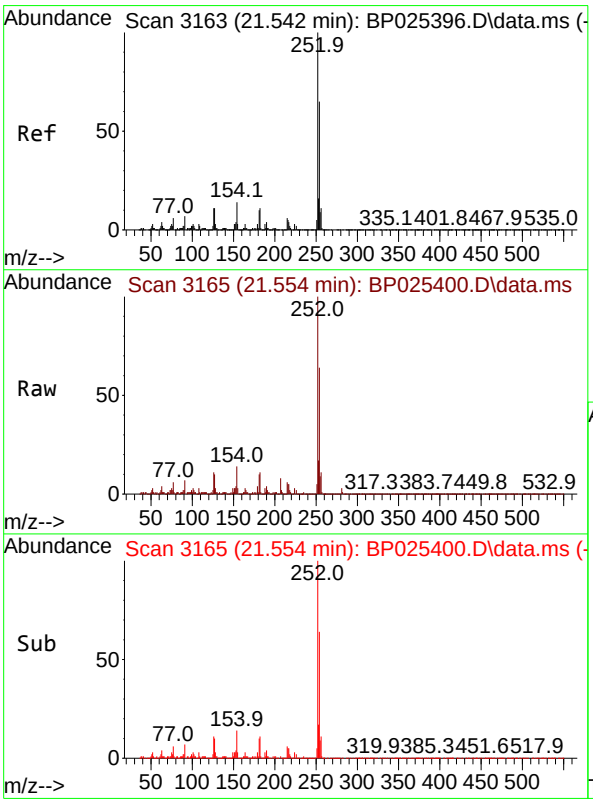
#81
Benzo(a)anthracene
Concen: 36.950 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:228 Resp: 2583866

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.6	23.4

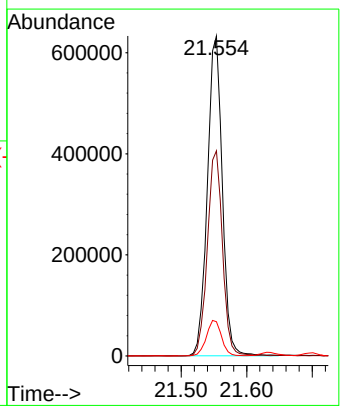


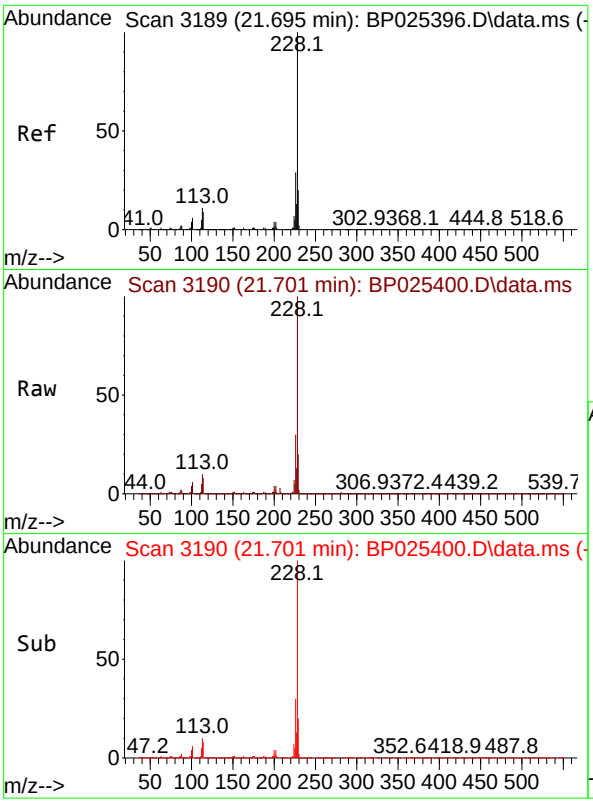


#82
3,3'-Dichlorobenzidine
Concen: 38.038 ng
RT: 21.554 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 1002597

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	10.7	9.1	13.7



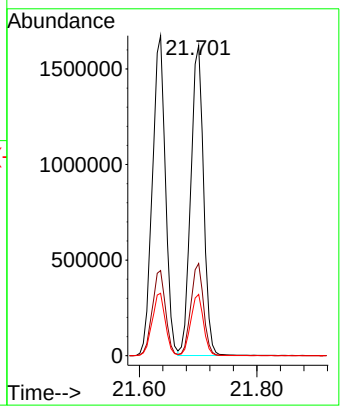


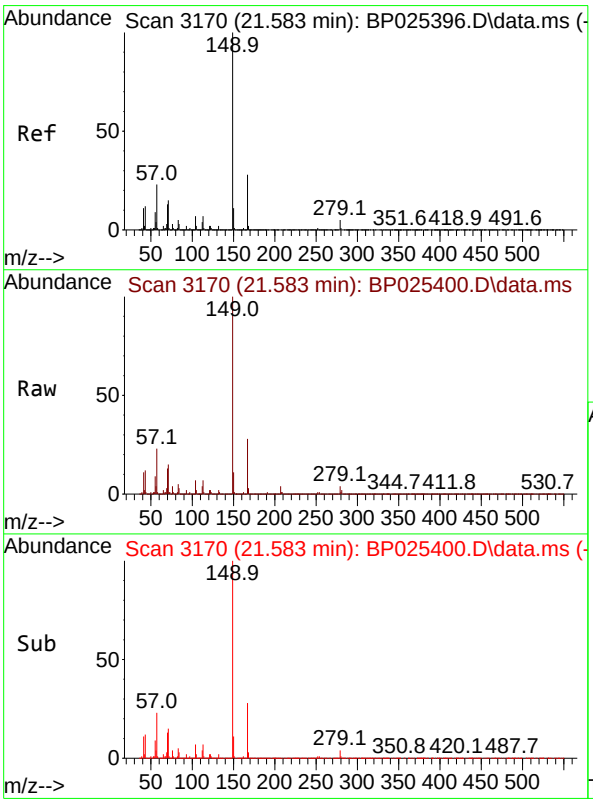
#83
Chrysene
Concen: 37.353 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:228 Resp: 2446197

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.7	15.6	23.4

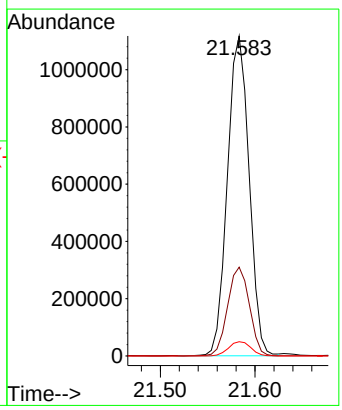


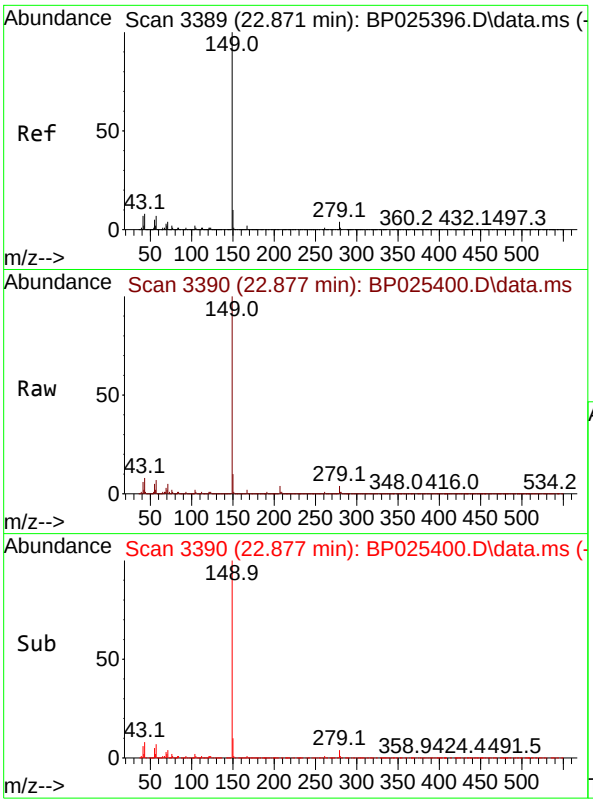


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.729 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:149 Resp: 1780746

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	4.5	3.8	5.6



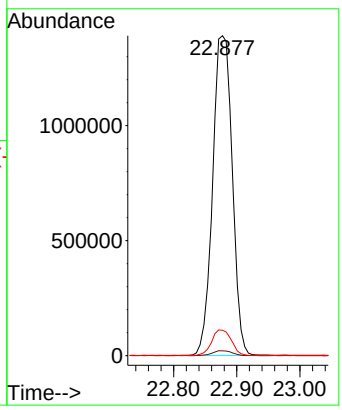


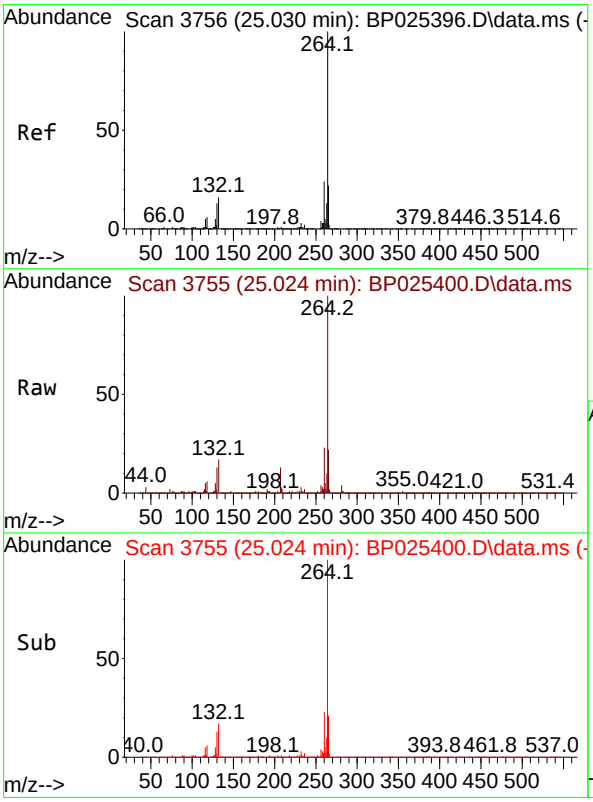
#85
Di-n-octyl phthalate
Concen: 37.915 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:149 Resp: 2998528

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5

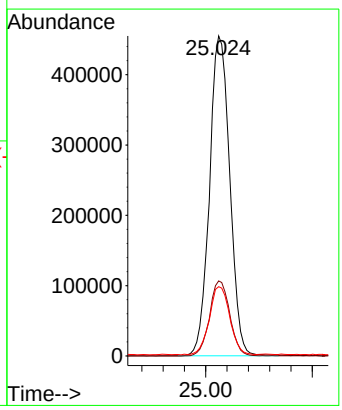


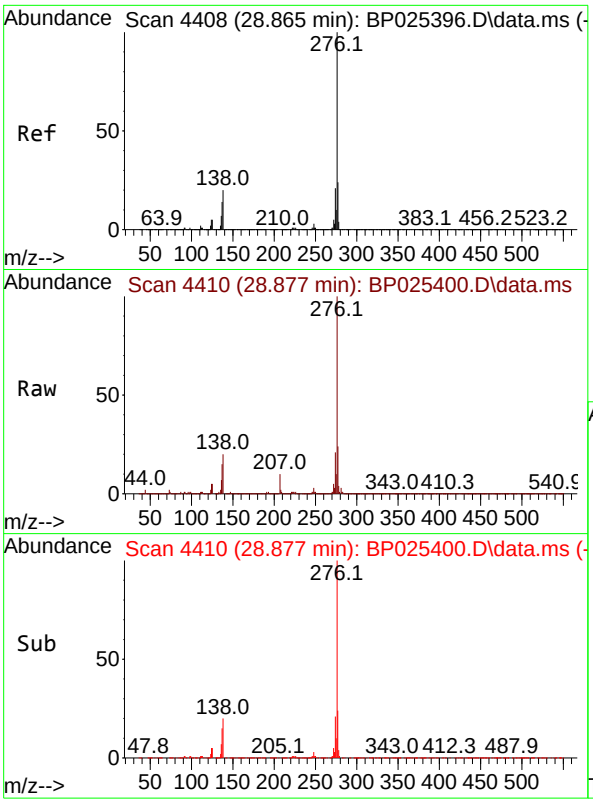


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:264 Resp: 1200519

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	21.6	17.4	26.0



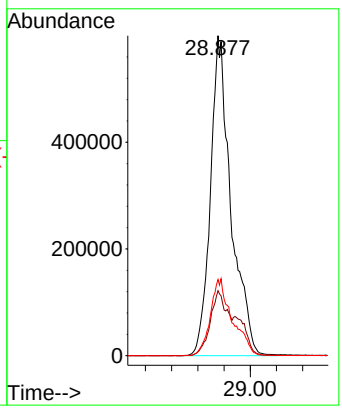


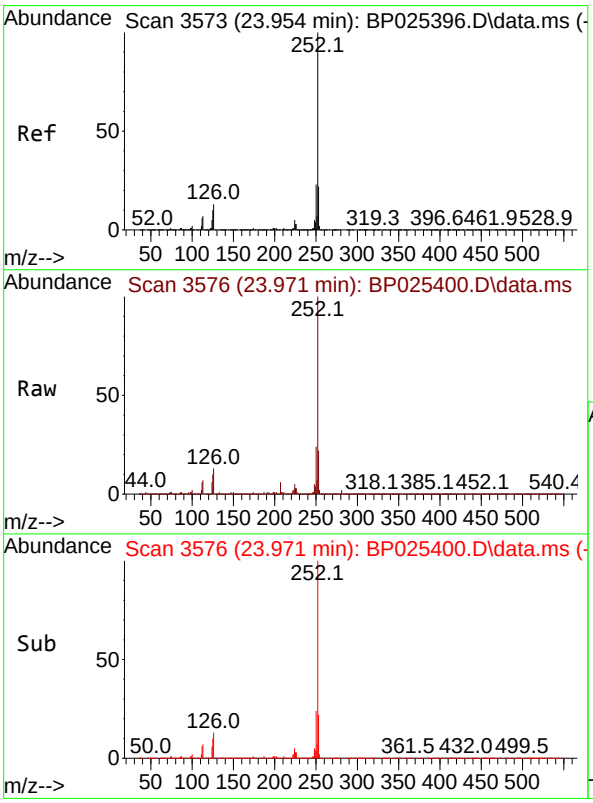
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.119 ng
RT: 28.877 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:276 Resp: 3267965

Ion	Ratio	Lower	Upper
276	100		
138	17.0	12.9	19.3
277	25.5	17.0	25.6

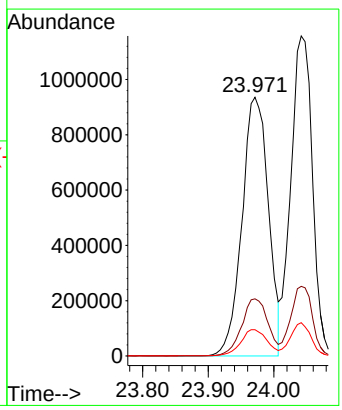


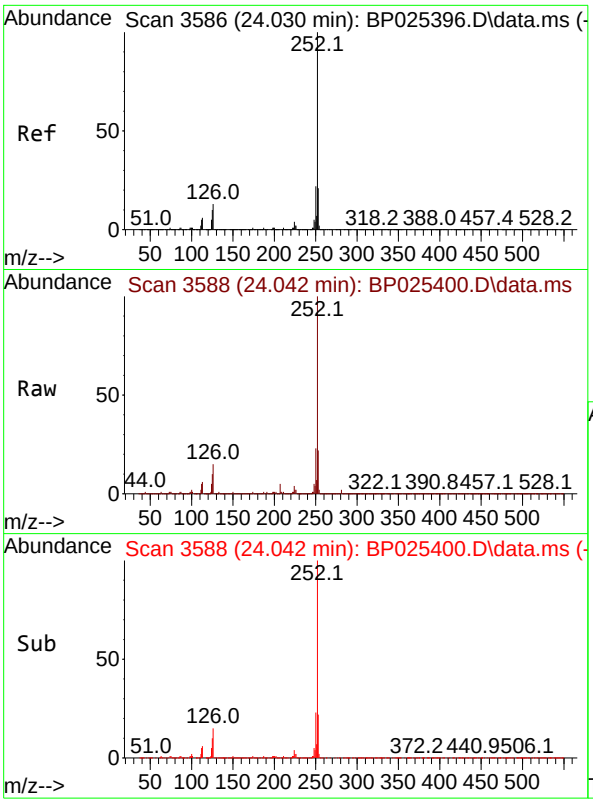


#88
Benzo(b)fluoranthene
Concen: 36.964 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2616701

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	7.9	11.9



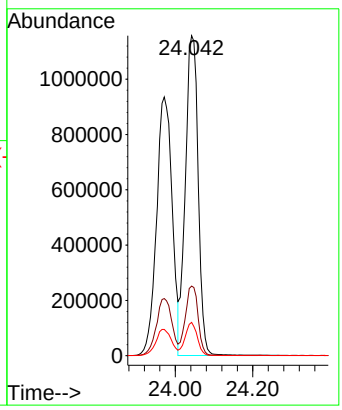


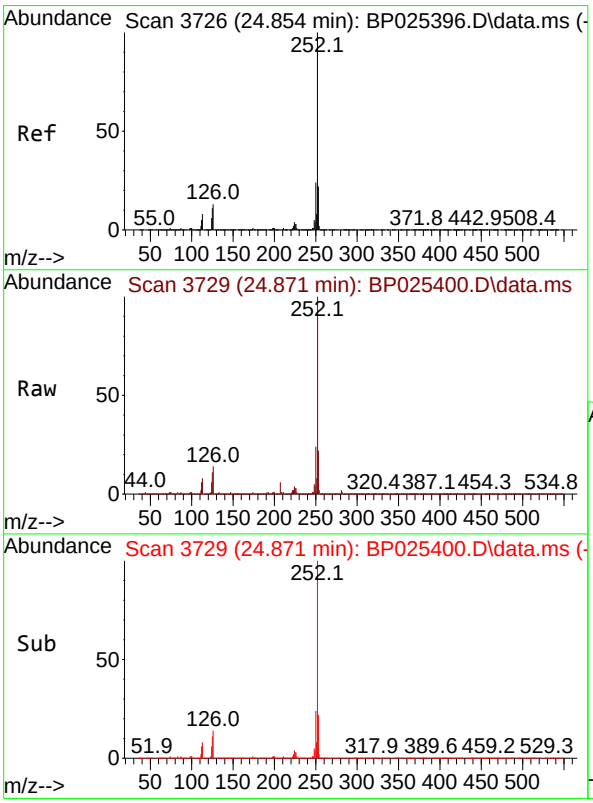
#89
Benzo(k)fluoranthene
Concen: 37.464 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:252 Resp: 2653905

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.4	7.8	11.6

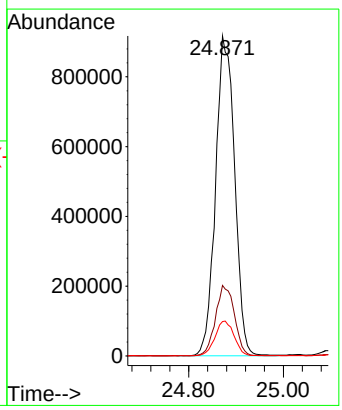


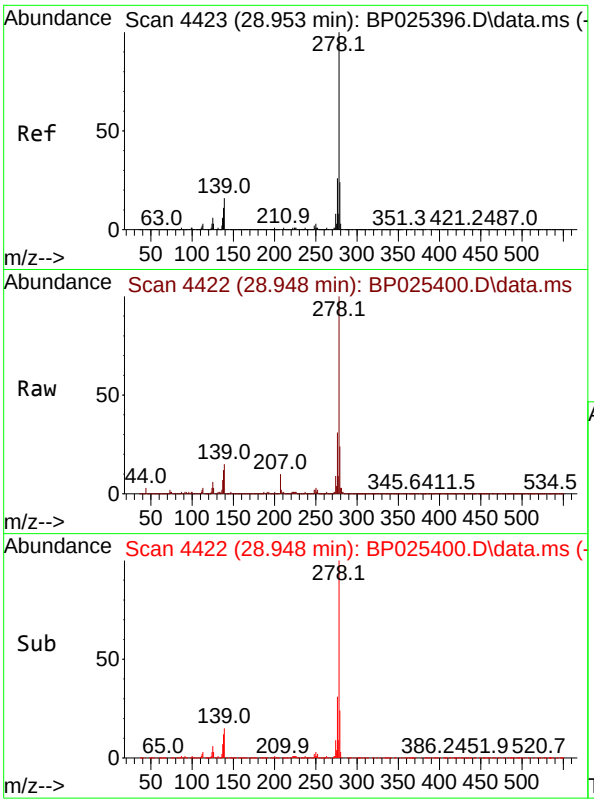


#90
Benzo(a)pyrene
Concen: 37.160 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:252 Resp: 2560692

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.7	8.7	13.1



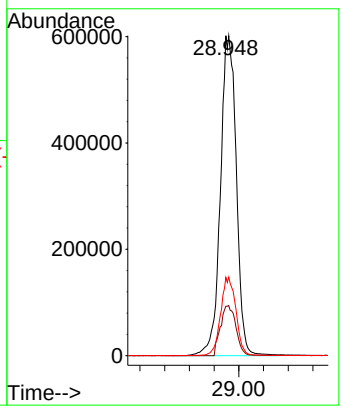


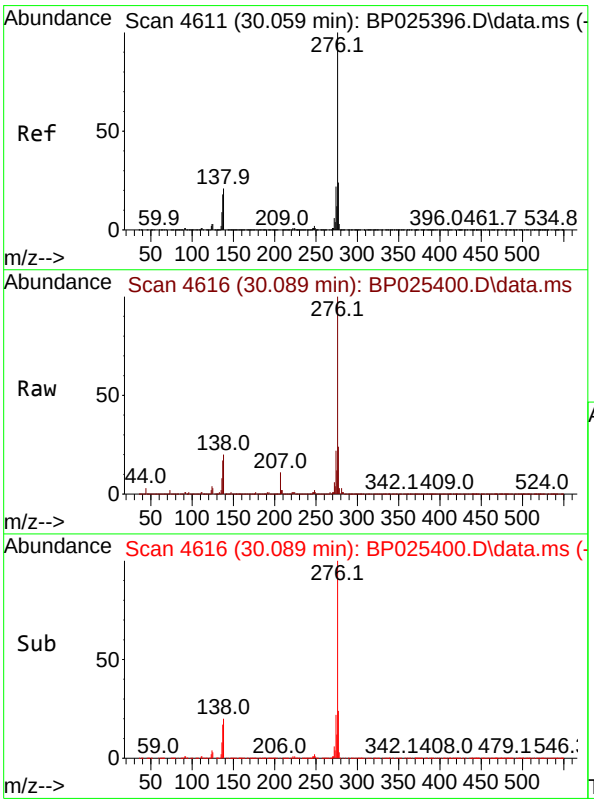
#91
Dibenzo(a,h)anthracene
Concen: 37.490 ng
RT: 28.948 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Instrument :
BNA_P
ClientSampleId :
ICVBP081425

Tgt Ion:278 Resp: 2697336

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.4	19.4	29.2

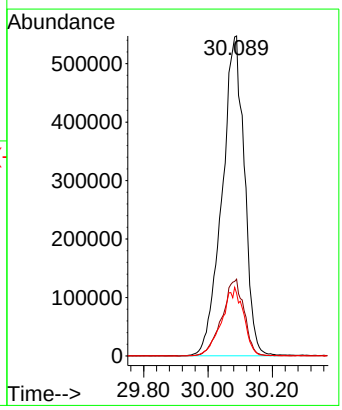




#92
Benzo(g,h,i)perylene
Concen: 37.216 ng
RT: 30.089 min Scan# 4616
Delta R.T. 0.029 min
Lab File: BP025400.D
Acq: 14 Aug 2025 18:05

Tgt Ion:276 Resp: 2632085

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	19.6	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	156059	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	650560	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	435539	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	895607	20.000	ng	0.00
76) Chrysene-d12	21.648	240	937531	20.000	ng	0.00
86) Perylene-d12	25.018	264	1016818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1280798	136.296	ng	0.00
7) Phenol-d6	6.972	99	1664968	138.195	ng	0.00
23) Nitrobenzene-d5	8.937	82	1023164	79.558	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	807504	137.743	ng	0.00
45) 2-Fluorobiphenyl	13.025	172	2538853	79.667	ng	0.00
79) Terphenyl-d14	19.942	244	4256352	83.062	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	150326	40.840	ng	99
3) Pyridine	3.725	79	377128	37.433	ng	98
4) n-Nitrosodimethylamine	3.631	42	183326	44.137	ng	97
6) Aniline	7.125	93	680651	41.931	ng	98
8) 2-Chlorophenol	7.366	128	518221	48.869	ng	99
9) Benzaldehyde	6.937	77	256830	30.427	ng	98
10) Phenol	6.996	94	629374	49.784	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	437105	44.360	ng	100
12) 1,3-Dichlorobenzene	7.684	146	509681	43.589	ng	100
13) 1,4-Dichlorobenzene	7.825	146	520662	43.564	ng	99
14) 1,2-Dichlorobenzene	8.143	146	502978	43.476	ng	97
15) Benzyl Alcohol	8.025	79	446566	46.649	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	580366	43.968	ng	98
17) 2-Methylphenol	8.225	107	435851	49.640	ng	99
18) Hexachloroethane	8.866	117	192819	43.879	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	349179	43.755	ng	97
20) 3+4-Methylphenols	8.549	107	601995	49.463	ng	98
22) Acetophenone	8.602	105	715431	43.852	ng	99
24) Nitrobenzene	8.978	77	512825	44.618	ng	99
25) Isophorone	9.502	82	1003541	44.092	ng	99
26) 2-Nitrophenol	9.678	139	274616	46.556	ng	99
27) 2,4-Dimethylphenol	9.743	122	502601	49.547	ng	99
28) bis(2-Chloroethoxy)met...	9.978	93	622573	45.252	ng	98
29) 2,4-Dichlorophenol	10.213	162	505992	50.213	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	484724	43.881	ng	99
31) Naphthalene	10.613	128	1505392	44.521	ng	99
32) Benzoic acid	9.884	122	383103	51.155	ng	97
33) 4-Chloroaniline	10.713	127	624236	41.794	ng	99
34) Hexachlorobutadiene	10.901	225	298042	43.323	ng	98
35) Caprolactam	11.496	113	181569	49.139	ng	99
36) 4-Chloro-3-methylphenol	11.831	107	582706	50.394	ng	98
37) 2-Methylnaphthalene	12.219	142	1004265	45.639	ng	99
38) 1-Methylnaphthalene	12.443	142	1051392	44.929	ng	99
40) 1,2,4,5-Tetrachloroben...	12.590	216	564099	44.845	ng	99
41) Hexachlorocyclopentadiene	12.578	237	716635	94.317	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	420901	49.564	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	468666	50.356	ng	98
46) 1,1'-Biphenyl	13.231	154	1476847	46.689	ng	100
47) 2-Chloronaphthalene	13.272	162	1146132	46.544	ng	99
48) 2-Nitroaniline	13.472	65	355089	49.489	ng	96
49) Acenaphthylene	14.131	152	1910326	46.883	ng	100
50) Dimethylphthalate	13.860	163	1540919	48.314	ng	99
51) 2,6-Dinitrotoluene	13.978	165	335519	49.911	ng	98
52) Acenaphthene	14.478	154	1132105	47.334	ng	100
53) 3-Nitroaniline	14.307	138	331713	43.858	ng	97
54) 2,4-Dinitrophenol	14.513	184	401585	111.865	ng	97
55) Dibenzofuran	14.813	168	1757203	46.470	ng	100
56) 4-Nitrophenol	14.625	139	648186	104.294	ng	98
57) 2,4-Dinitrotoluene	14.766	165	491249	51.219	ng	100
58) Fluorene	15.472	166	1388189	46.525	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.042	232	408762	49.740	ng	99
60) Diethylphthalate	15.248	149	1563135	48.233	ng	99
61) 4-Chlorophenyl-phenyle...	15.472	204	683735	46.075	ng	98
62) 4-Nitroaniline	15.489	138	380486	49.072	ng	99
63) Azobenzene	15.772	77	1343333	48.409	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	277954	49.788	ng	95
66) n-Nitrosodiphenylamine	15.689	169	1290834	47.265	ng	99
67) 4-Bromophenyl-phenylether	16.384	248	460600	46.761	ng	96
68) Hexachlorobenzene	16.501	284	531682	46.564	ng	98
69) Atrazine	16.660	200	492822	48.184	ng	97
70) Pentachlorophenol	16.848	266	700841	97.234	ng	99
71) Phenanthrene	17.248	178	2335980	47.481	ng	100
72) Anthracene	17.348	178	2338590	46.547	ng	99
73) Carbazole	17.619	167	2254500	47.640	ng	99
74) Di-n-butylphthalate	18.219	149	2850461	48.957	ng	100
75) Fluoranthene	19.336	202	2769236	47.188	ng	99
77) Benzidine	19.525	184	2034719	63.593	ng	99
78) Pyrene	19.713	202	2848697	46.748	ng	99
80) Butylbenzylphthalate	20.666	149	1350312	48.894	ng	99
81) Benzo(a)anthracene	21.630	228	2905027	46.984	ng	100
82) 3,3'-Dichlorobenzidine	21.548	252	936735	40.194	ng	99
83) Chrysene	21.695	228	2733737	47.211	ng	99
84) Bis(2-ethylhexyl)phtha...	21.583	149	1973001	48.532	ng	100
85) Di-n-octyl phthalate	22.877	149	3308927	47.320	ng	100
87) Indeno(1,2,3-cd)pyrene	28.848	276	3058393	41.014	ng	94
88) Benzo(b)fluoranthene	23.971	252	2918542	48.676	ng	99
89) Benzo(k)fluoranthene	24.042	252	2967349	49.456	ng	100
90) Benzo(a)pyrene	24.871	252	2854031	48.899	ng	99
91) Dibenzo(a,h)anthracene	28.942	278	2946612	48.354	ng	98
92) Benzo(g,h,i)perylene	30.053	276	2879368	48.068	ng	99

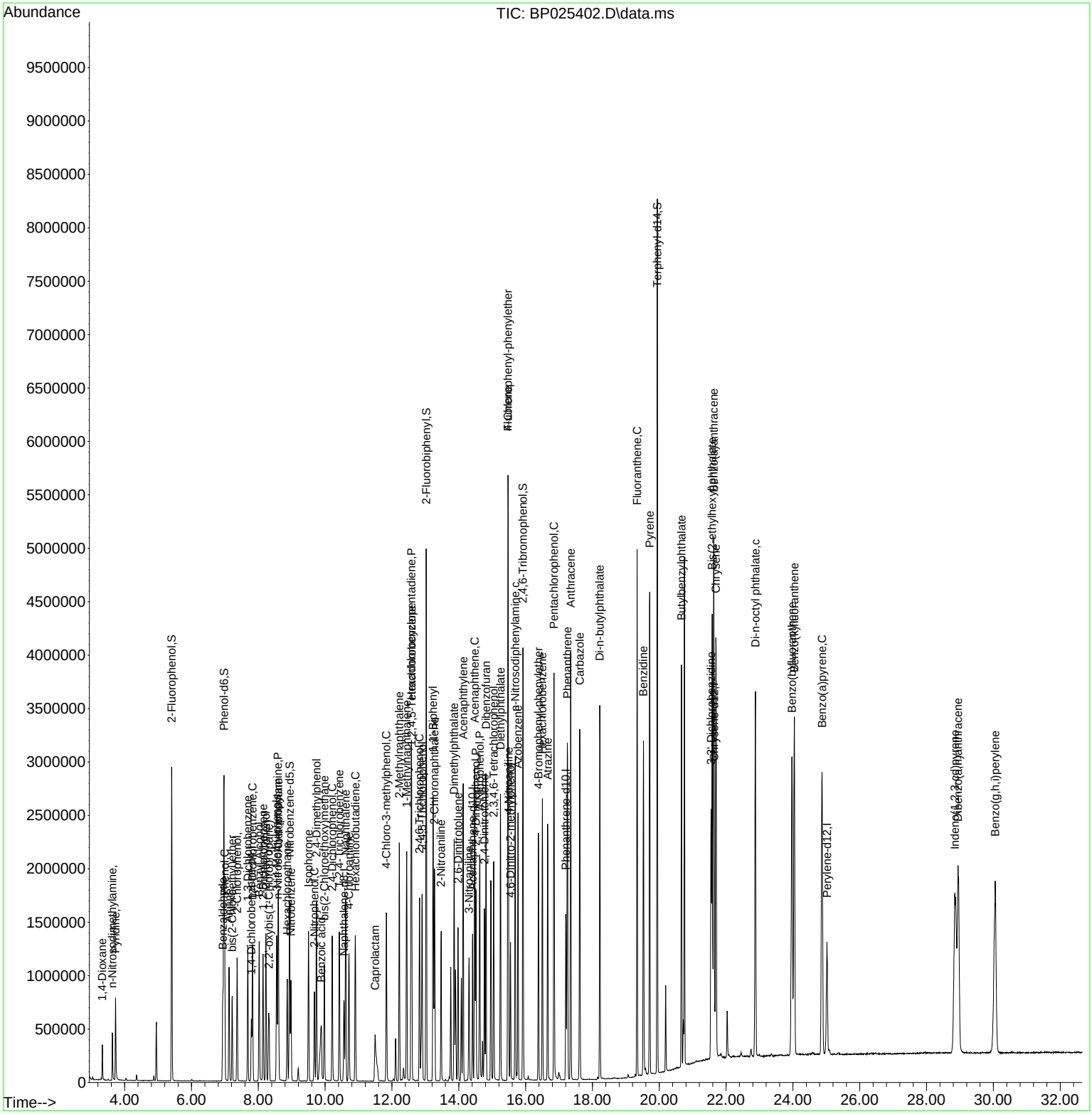
(#) = qualifier out of range (m) = manual integration (+) = signals summed

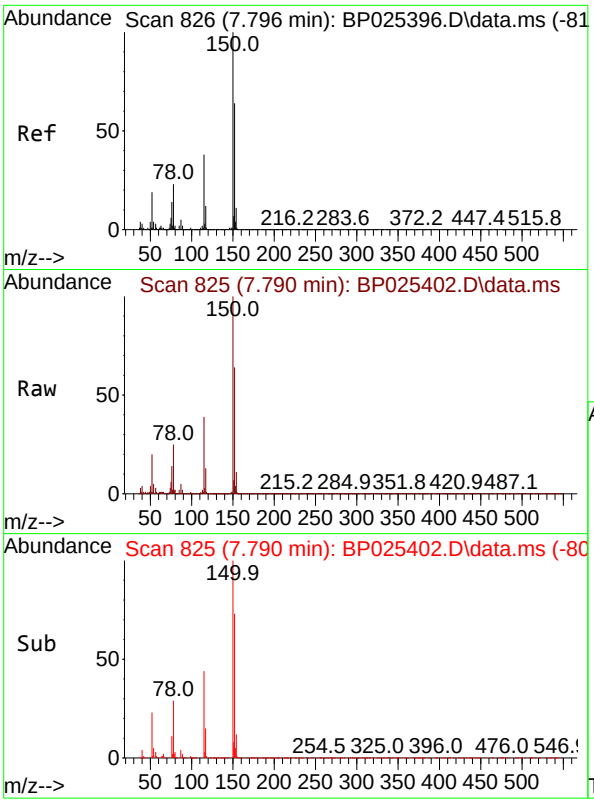
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025402.D
Acq On : 14 Aug 2025 20:10
Operator : CG/JU
Sample : PB169210BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Quant Time: Aug 15 01:37:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



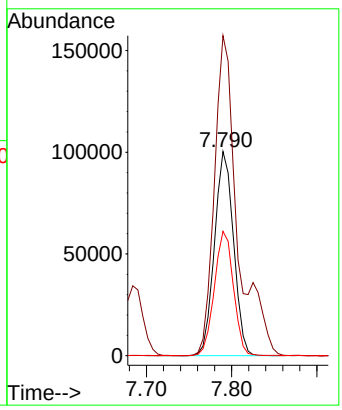


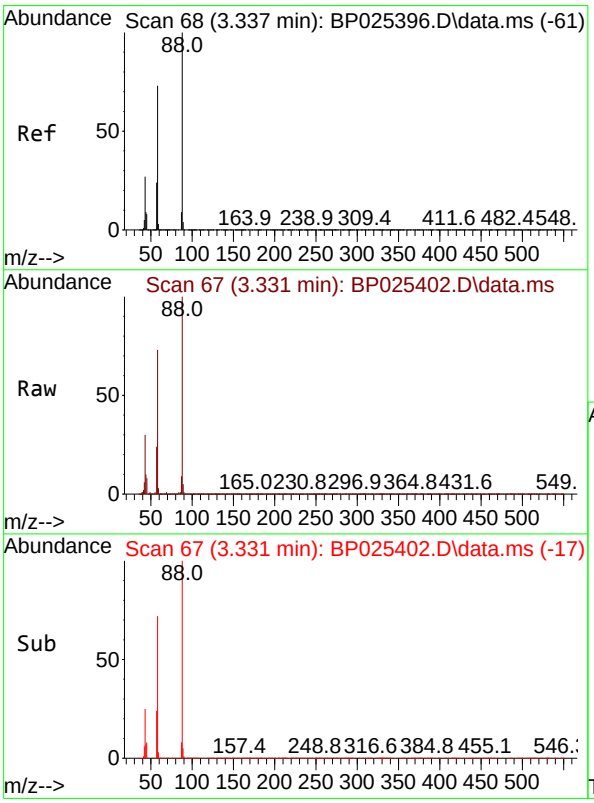
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:152 Resp: 156059

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.9	188.9
115	60.9	48.5	72.7

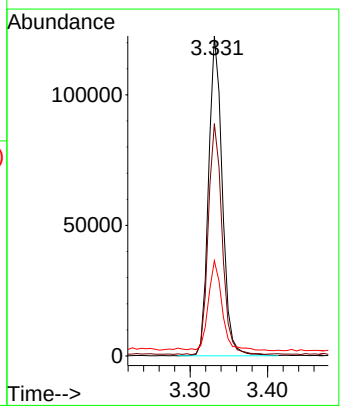


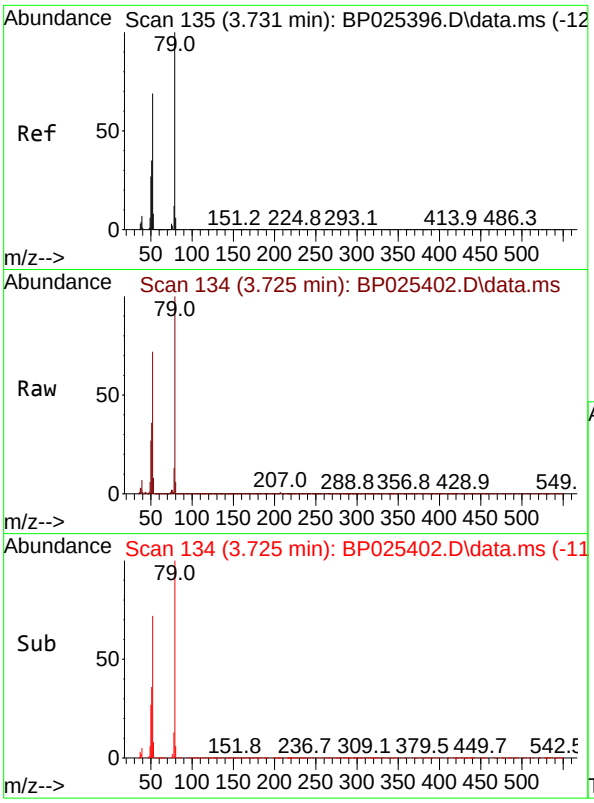


#2
1,4-Dioxane
Concen: 40.840 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 88 Resp: 150326

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	28.2	21.7	32.5



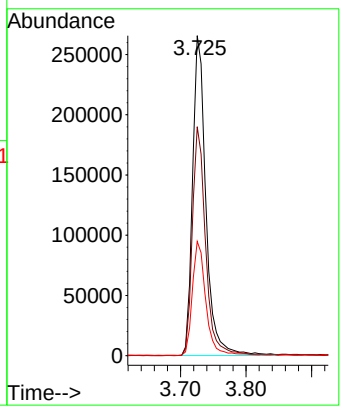


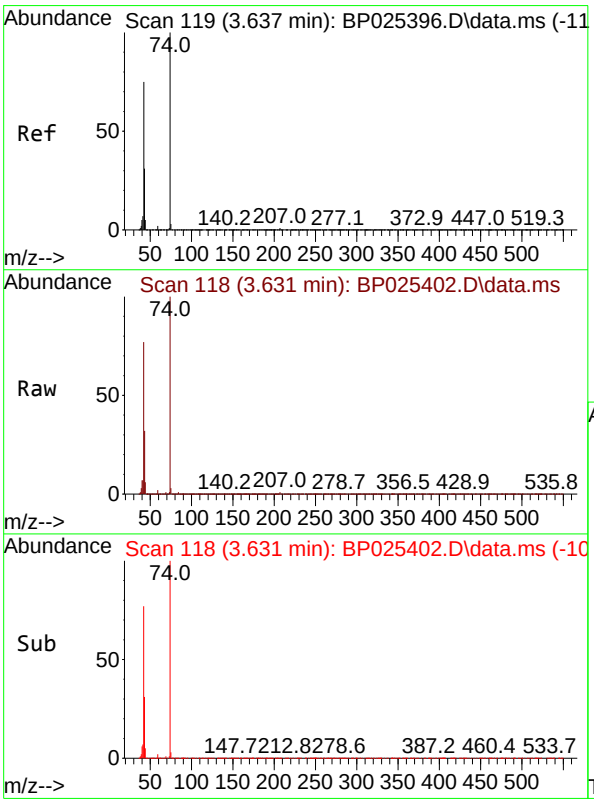
#3
Pyridine
Concen: 37.433 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 79 Resp: 377128

Ion	Ratio	Lower	Upper
79	100		
52	71.5	55.5	83.3
51	35.7	28.3	42.5

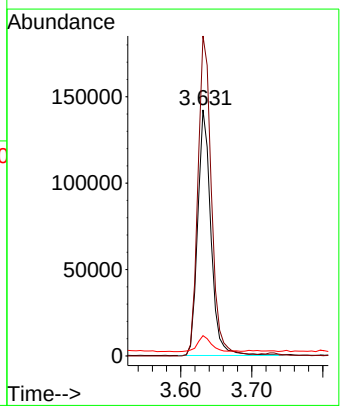


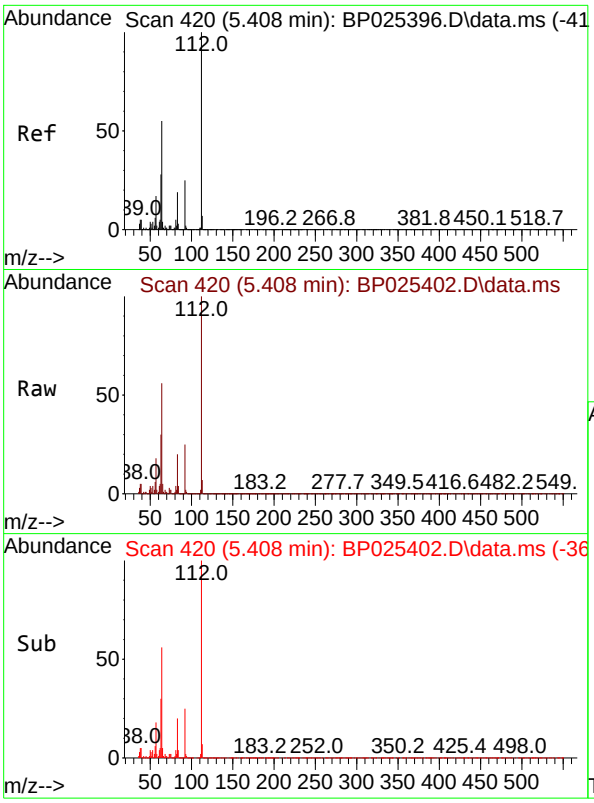


#4
n-Nitrosodimethylamine
Concen: 44.137 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 42 Resp: 183326

Ion	Ratio	Lower	Upper
42	100		
74	130.0	107.0	160.4
44	8.3	6.2	9.4



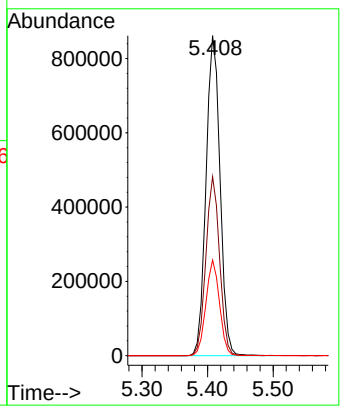


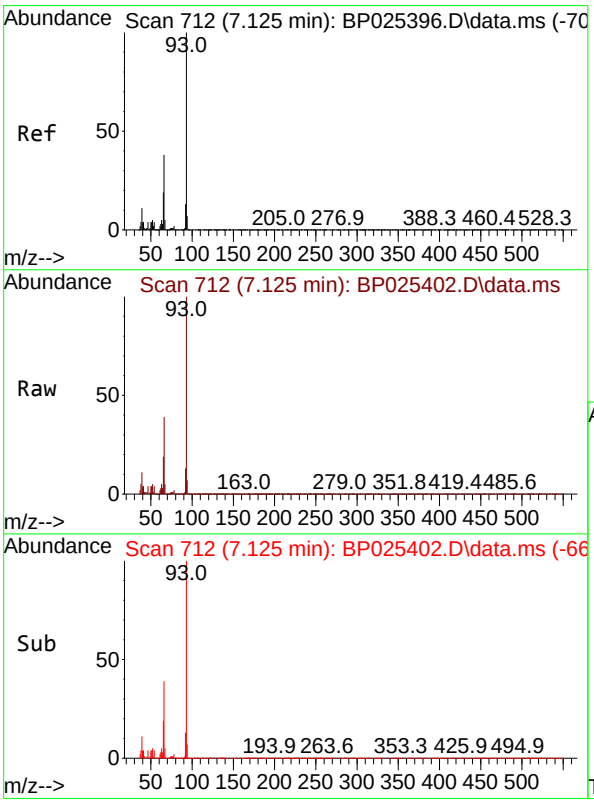
#5
2-Fluorophenol
Concen: 136.296 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:112 Resp: 1280798

Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.8	65.8
63	29.9	22.7	34.1

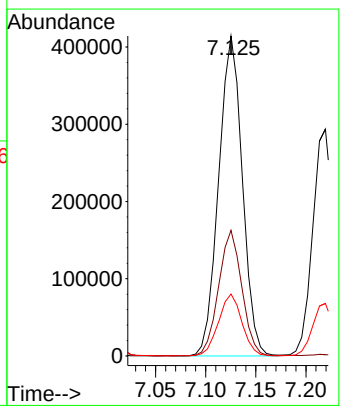


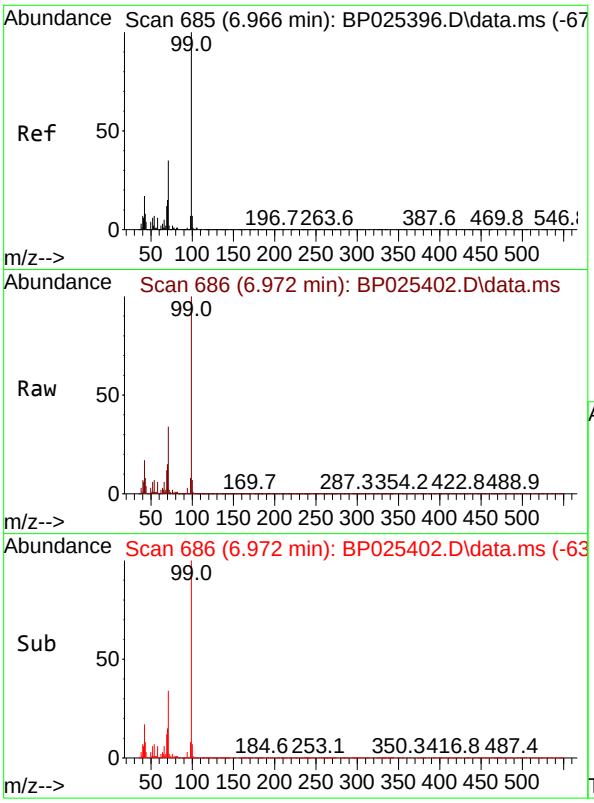


#6
Aniline
Concen: 41.931 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 93 Resp: 680651

Ion	Ratio	Lower	Upper
93	100		
66	39.2	30.4	45.6
65	19.4	15.3	22.9



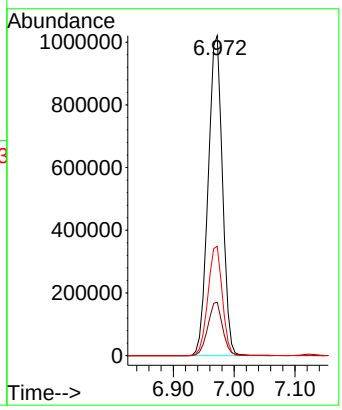


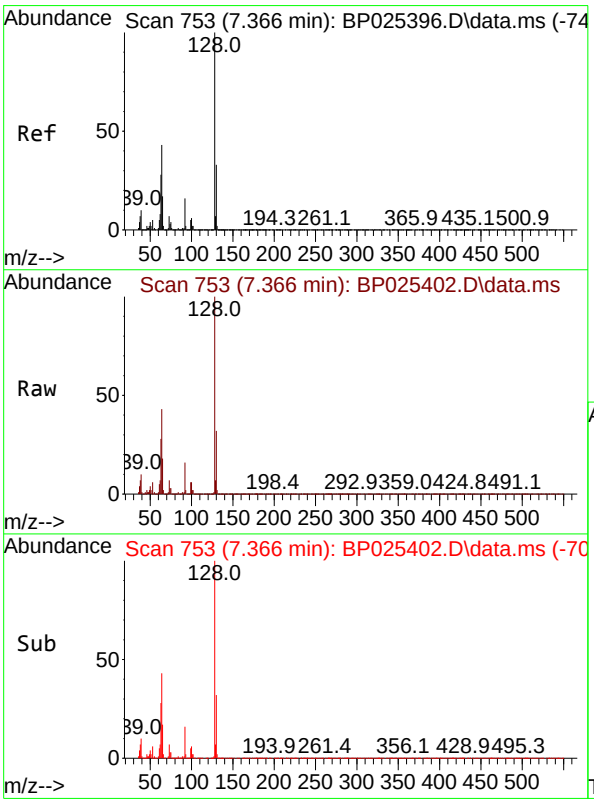
#7
Phenol-d6
Concen: 138.195 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 99 Resp: 1664968

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.7	20.5
71	34.1	28.2	42.4

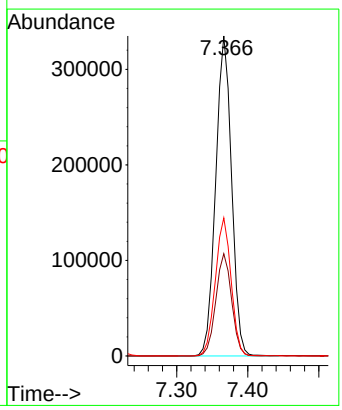


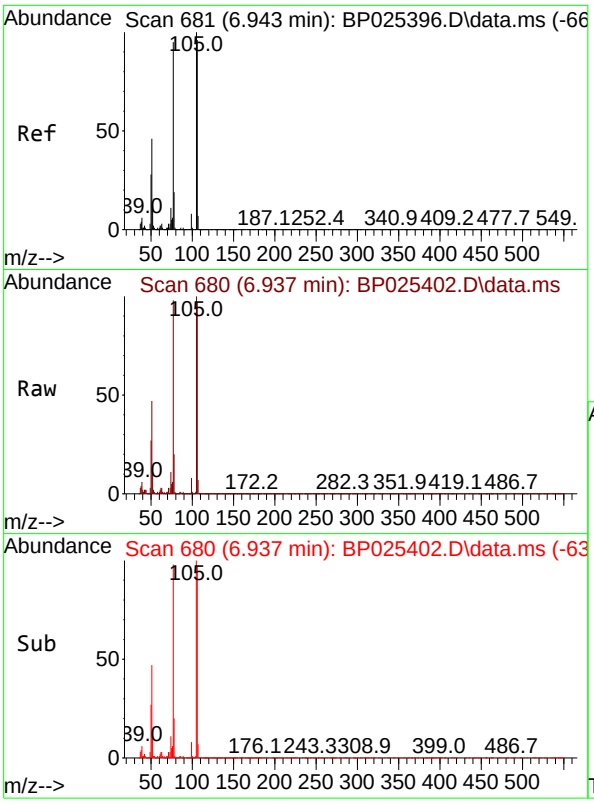


#8
2-Chlorophenol
Concen: 48.869 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:128 Resp: 518221

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	43.1	23.4	63.4



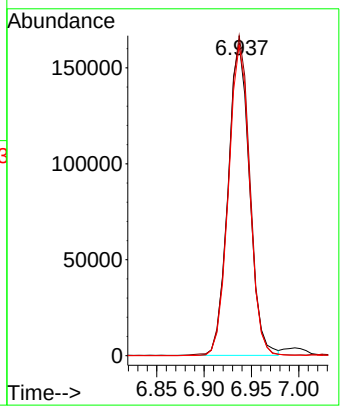


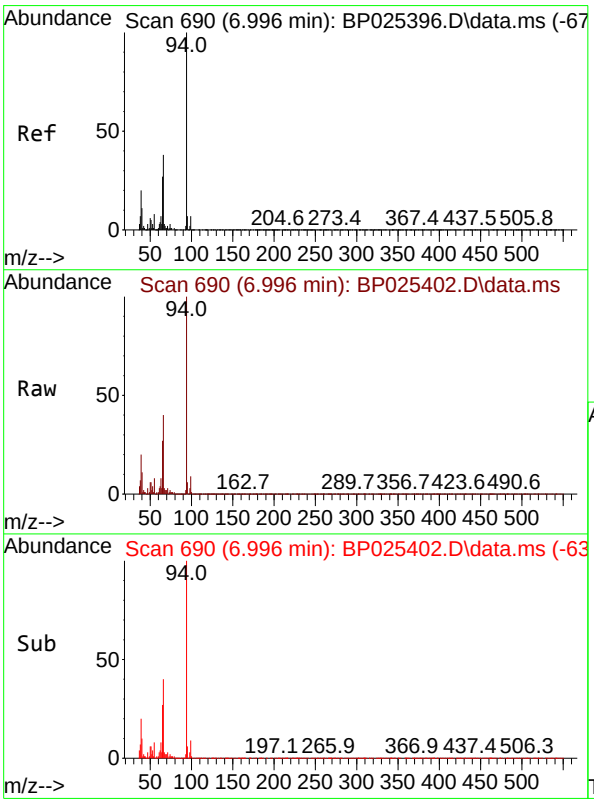
#9
Benzaldehyde
Concen: 30.427 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 77 Resp: 256830

Ion	Ratio	Lower	Upper
77	100		
105	102.4	84.8	124.8
106	99.4	80.5	120.5

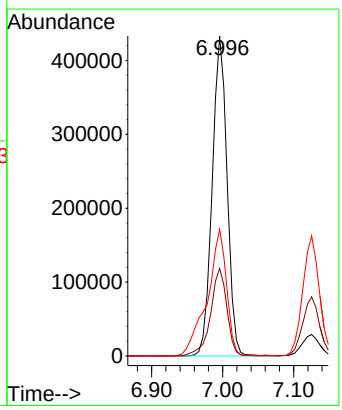


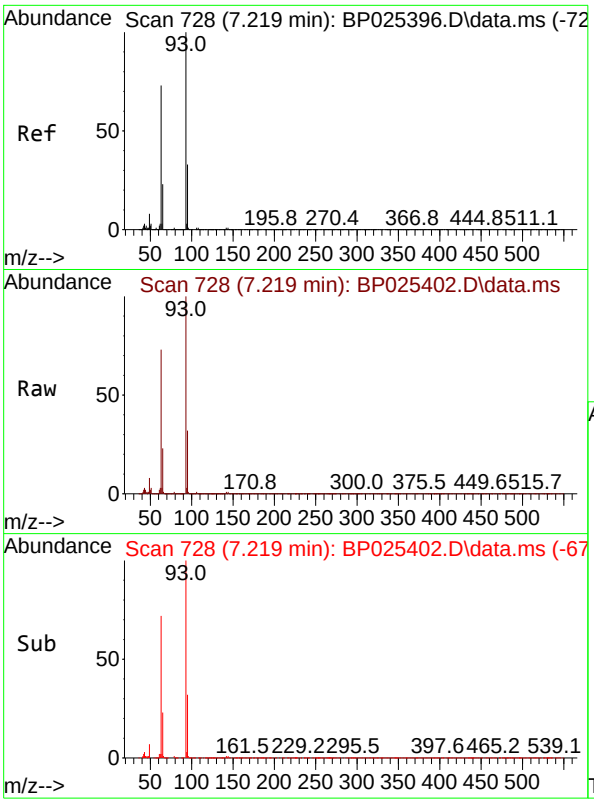


#10
Phenol
Concen: 49.784 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 94 Resp: 629374

Ion	Ratio	Lower	Upper
94	100		
65	27.3	6.8	46.8
66	39.6	18.2	58.2



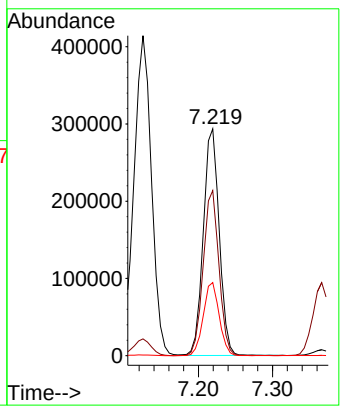


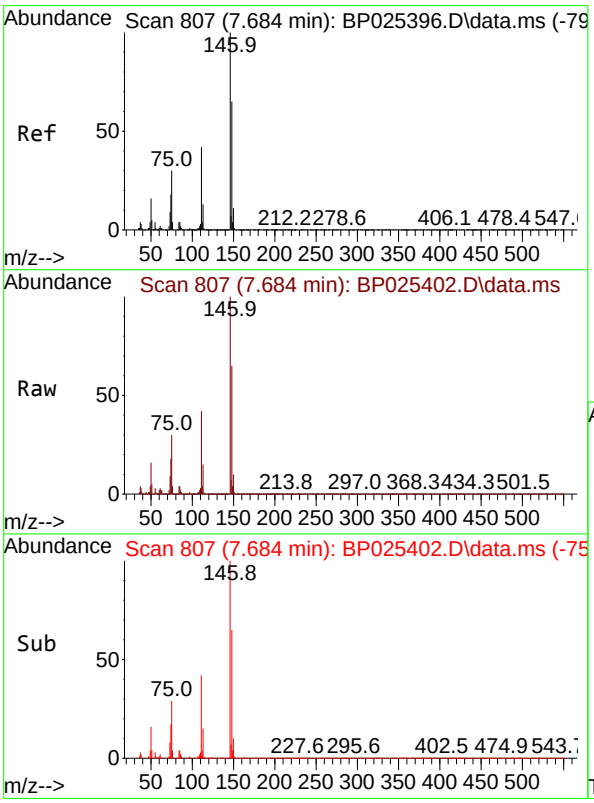
#11
bis(2-Chloroethyl)ether
Concen: 44.360 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 93 Resp: 437105

Ion	Ratio	Lower	Upper
93	100		
63	72.8	52.6	92.6
95	32.2	12.7	52.7

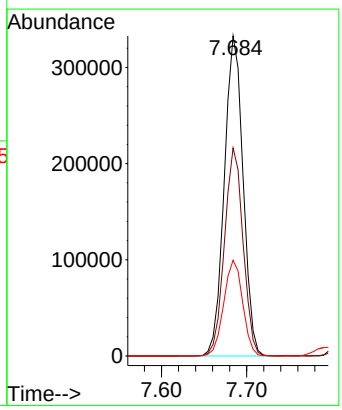


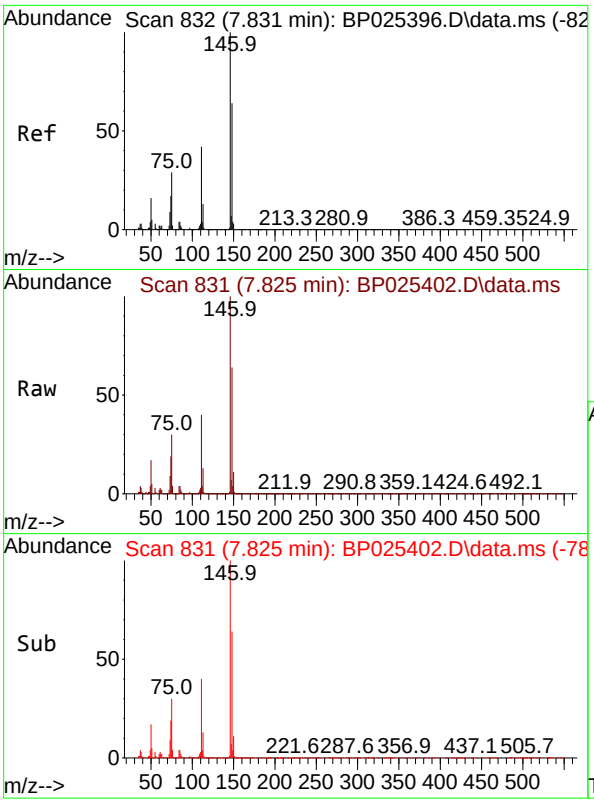


#12
1,3-Dichlorobenzene
Concen: 43.589 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:146 Resp: 509681

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	29.9	23.7	35.5



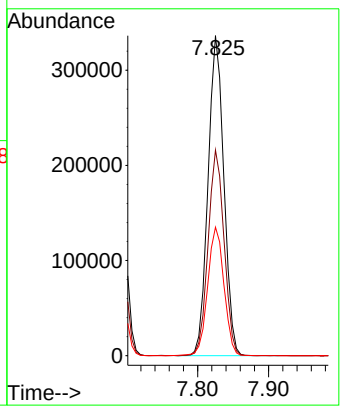


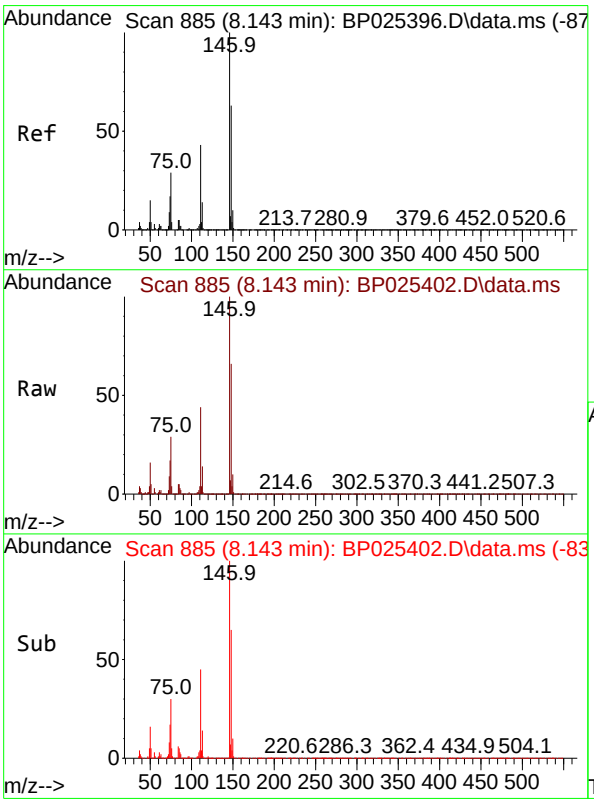
#13
1,4-Dichlorobenzene
Concen: 43.564 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:146 Resp: 520662

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
111	40.2	33.4	50.0

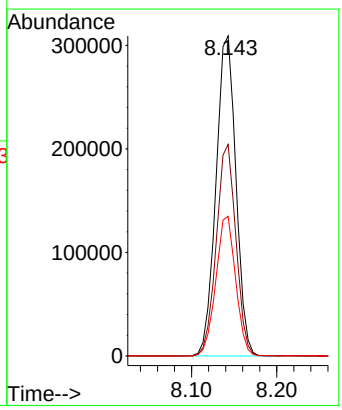


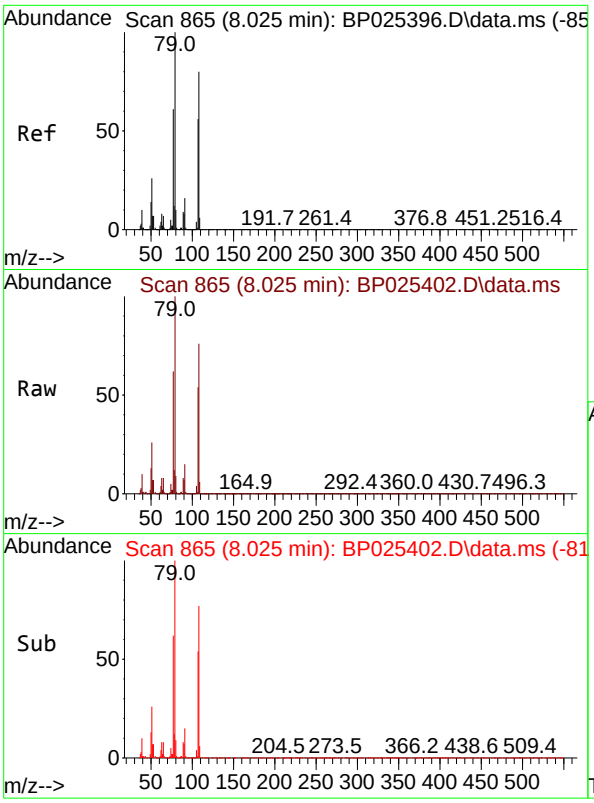


#14
1,2-Dichlorobenzene
Concen: 43.476 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:146 Resp: 502978

Ion	Ratio	Lower	Upper
146	100		
148	66.1	50.4	75.6
111	43.6	34.5	51.7



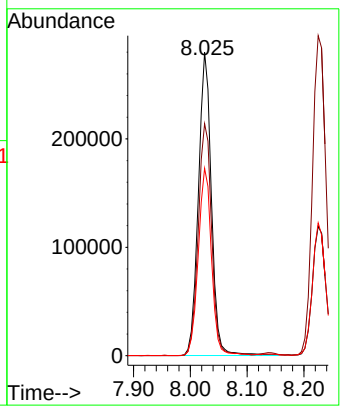


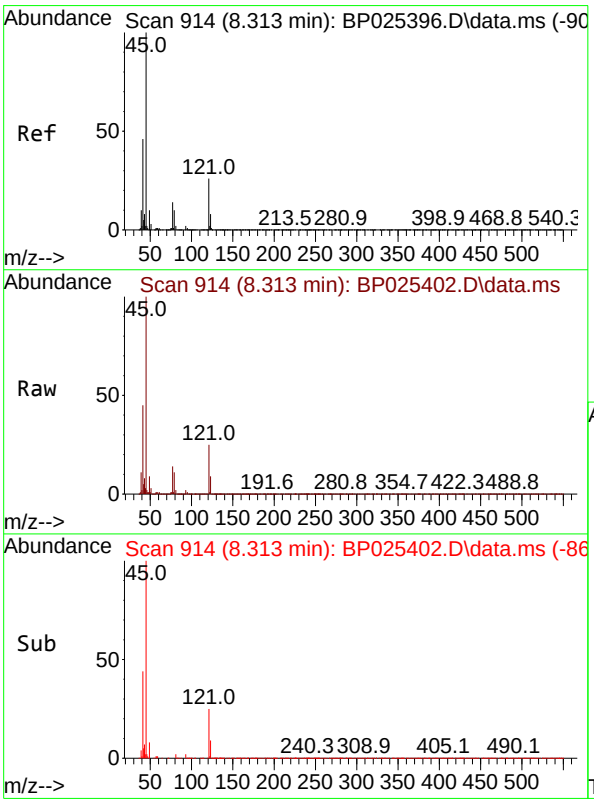
#15
Benzyl Alcohol
Concen: 46.649 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 79 Resp: 446566

Ion	Ratio	Lower	Upper
79	100		
108	76.5	63.8	95.6
77	61.7	49.0	73.4

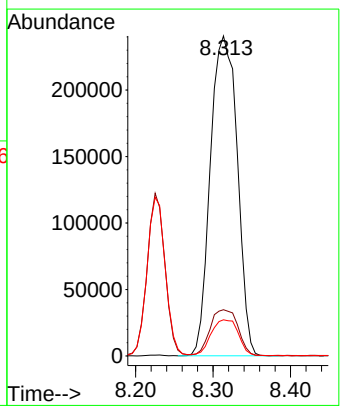


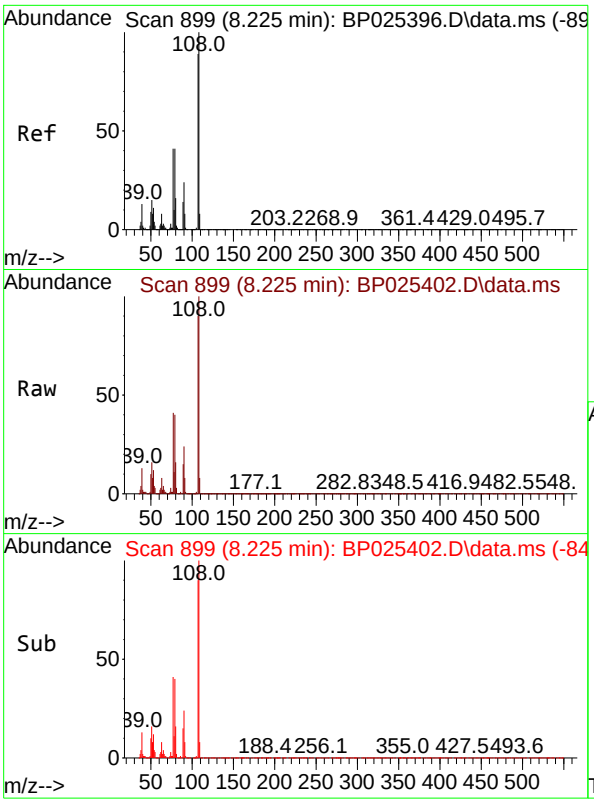


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.968 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 45 Resp: 580366

Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	35.3
79	11.3	0.0	31.8



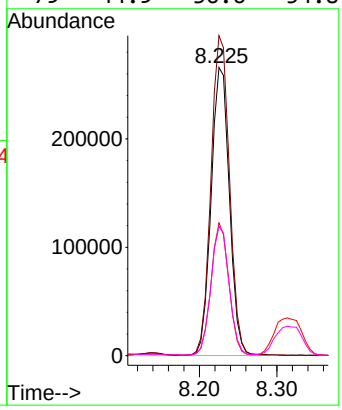


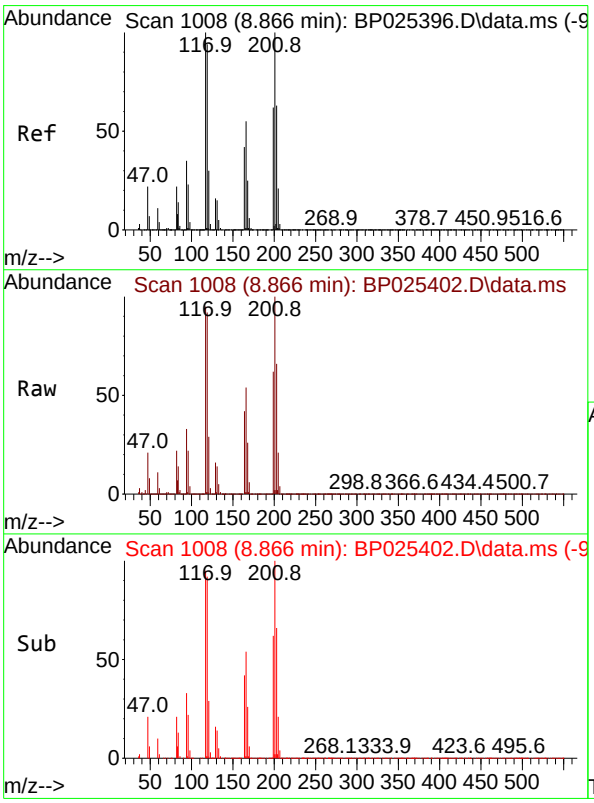
#17
2-Methylphenol
Concen: 49.640 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:107 Resp: 435851

Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.4	134.0
77	46.1	36.3	54.5
79	44.9	36.6	54.8

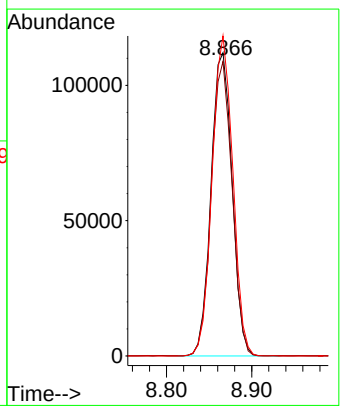


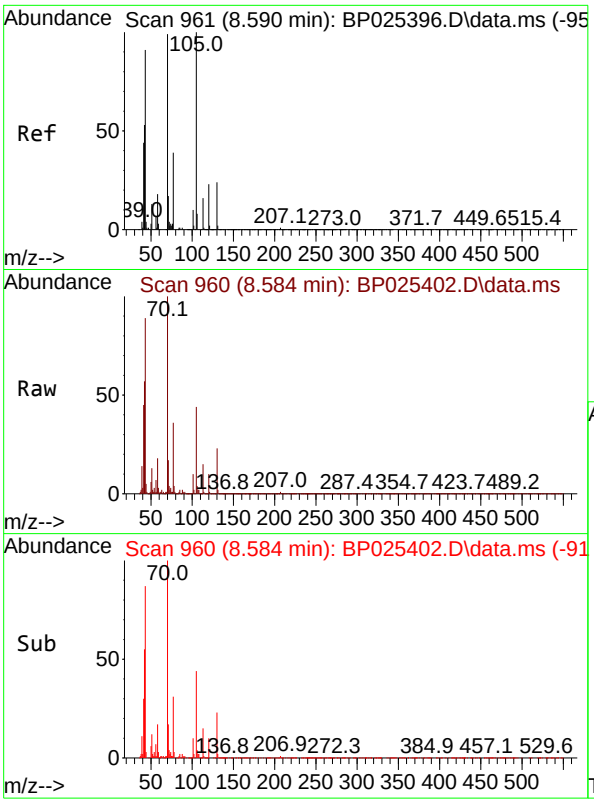


#18
Hexachloroethane
Concen: 43.879 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:117 Resp: 192819

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.1	112.7
201	105.6	80.1	120.1



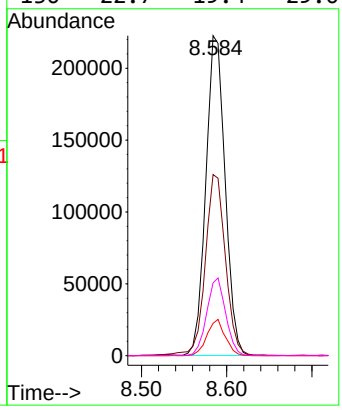


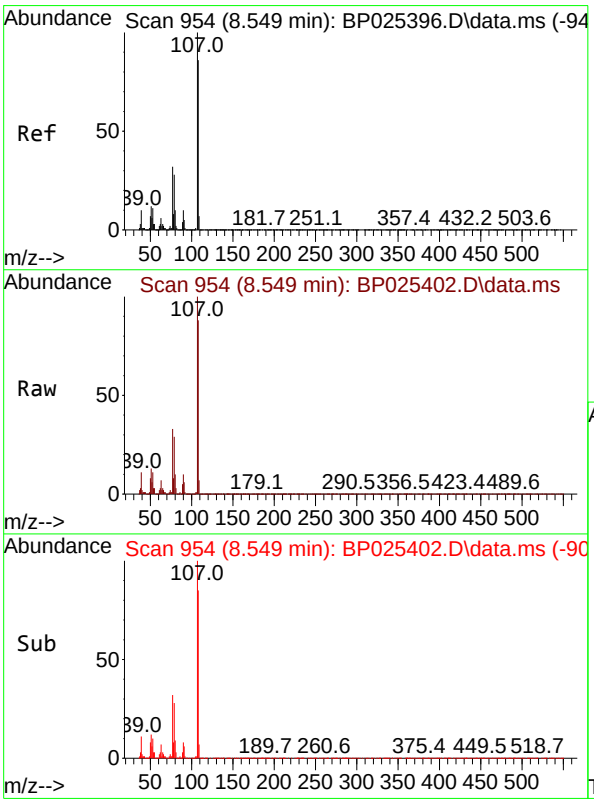
#19
n-Nitroso-di-n-propylamine
Concen: 43.755 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 70 Resp: 349179

Ion	Ratio	Lower	Upper
70	100		
42	56.6	43.8	65.6
101	10.1	8.5	12.7
130	22.7	19.4	29.0

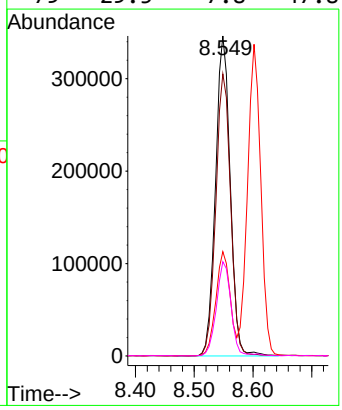


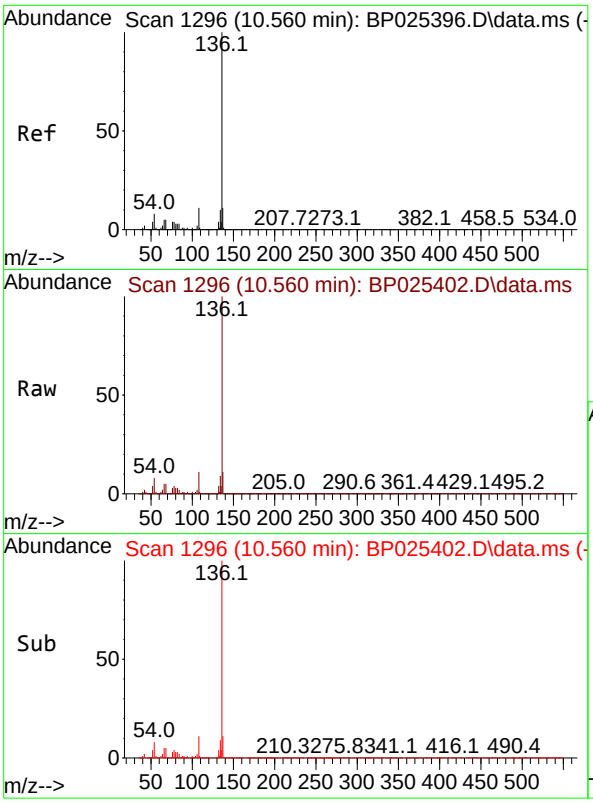


#20
3+4-Methylphenols
Concen: 49.463 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:107 Resp: 601995

Ion	Ratio	Lower	Upper
107	100		
108	88.2	66.3	106.3
77	32.6	12.3	52.3
79	29.5	7.8	47.8



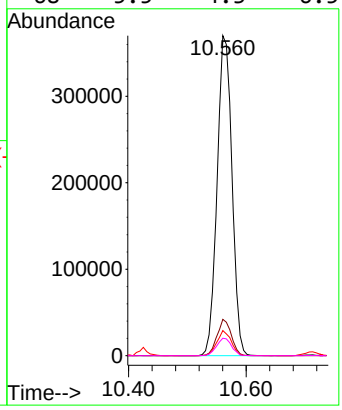


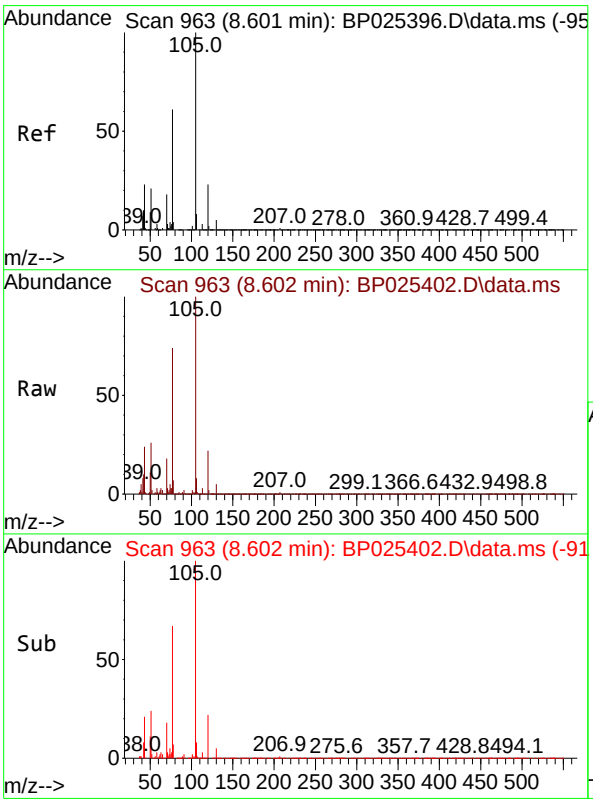
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:136 Resp: 650560

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.8	6.0	9.0
68	5.5	4.3	6.5

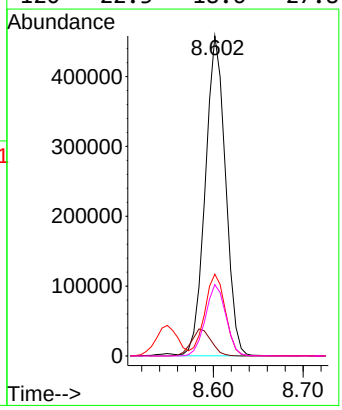


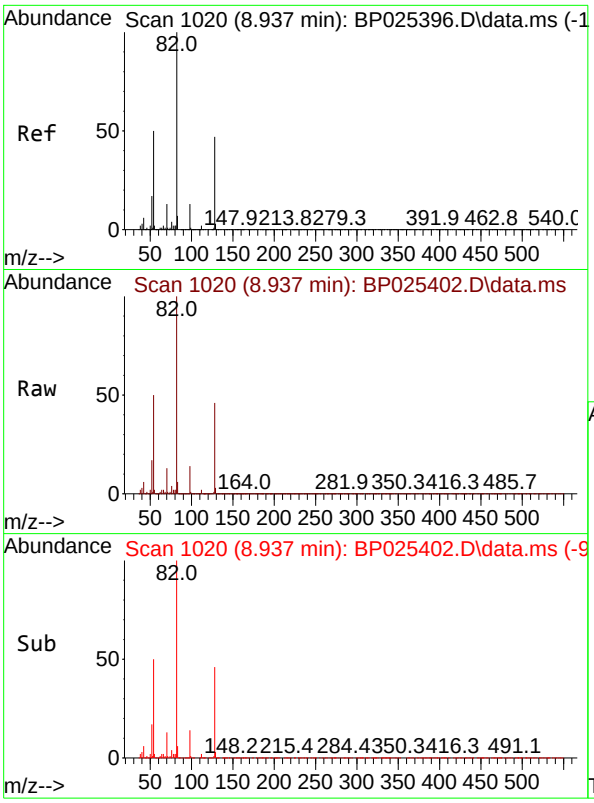


#22
Acetophenone
Concen: 43.852 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:105 Resp: 715431

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	25.5	20.6	30.8
120	22.3	18.6	27.8



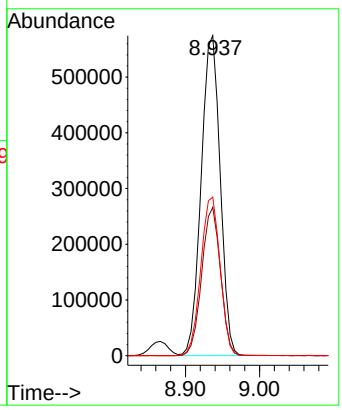


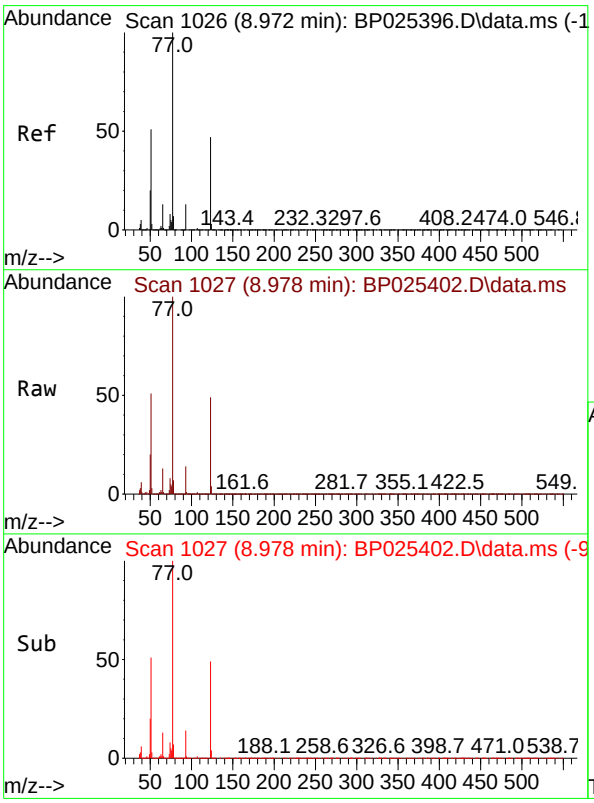
#23
Nitrobenzene-d5
Concen: 79.558 ng
RT: 8.937 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 82 Resp: 1023164

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.7	56.5
54	49.6	39.8	59.6

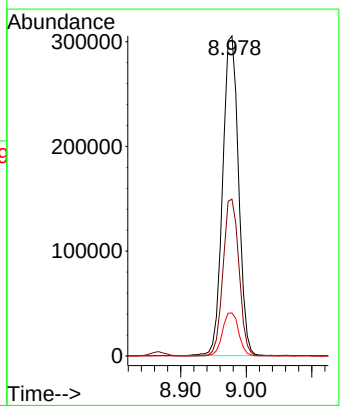


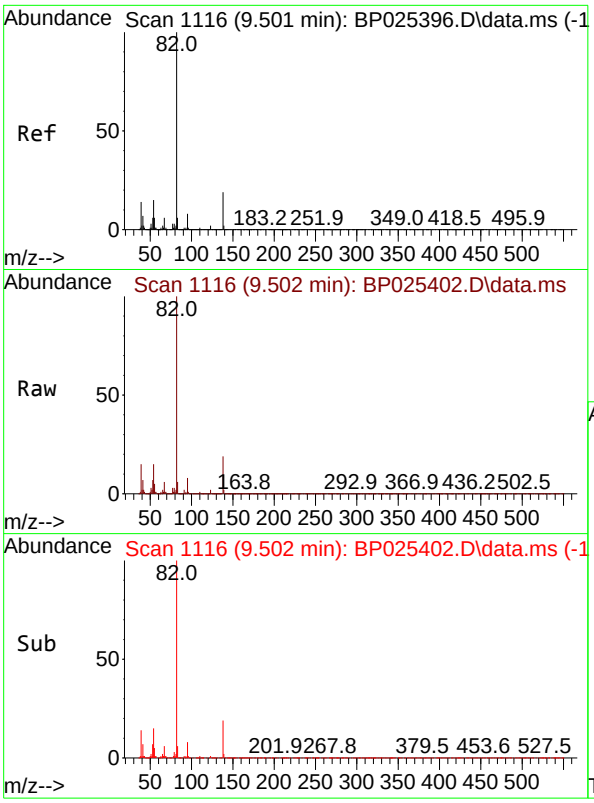


#24
Nitrobenzene
Concen: 44.618 ng
RT: 8.978 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 77 Resp: 512825

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	58.0
65	13.5	10.6	15.8



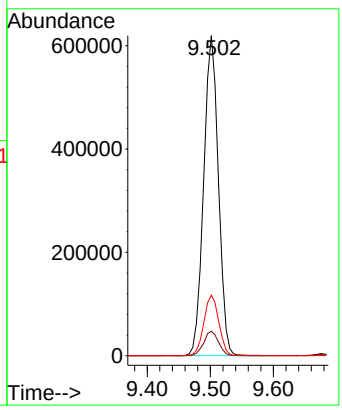


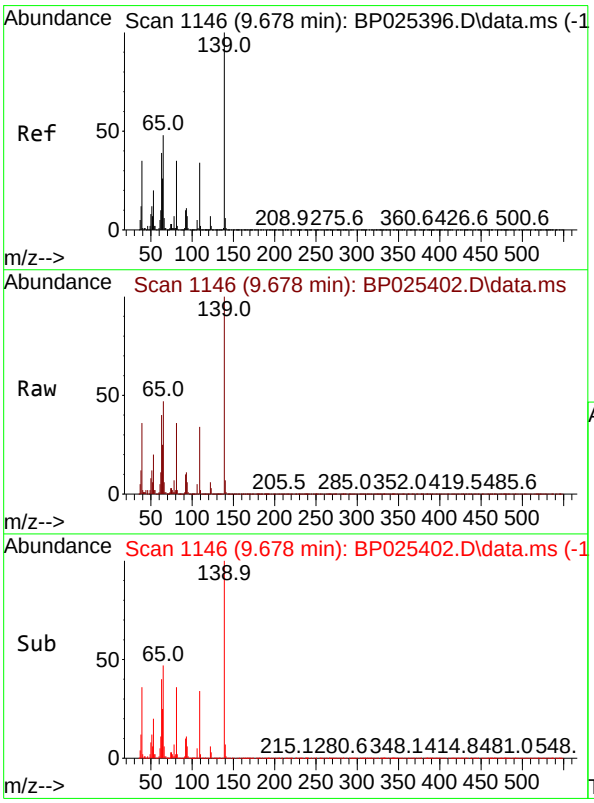
#25
Isophorone
Concen: 44.092 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 82 Resp: 1003541

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.9	15.4	23.0

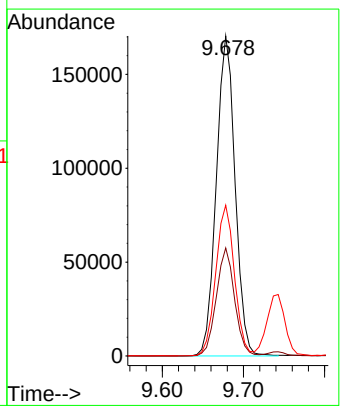


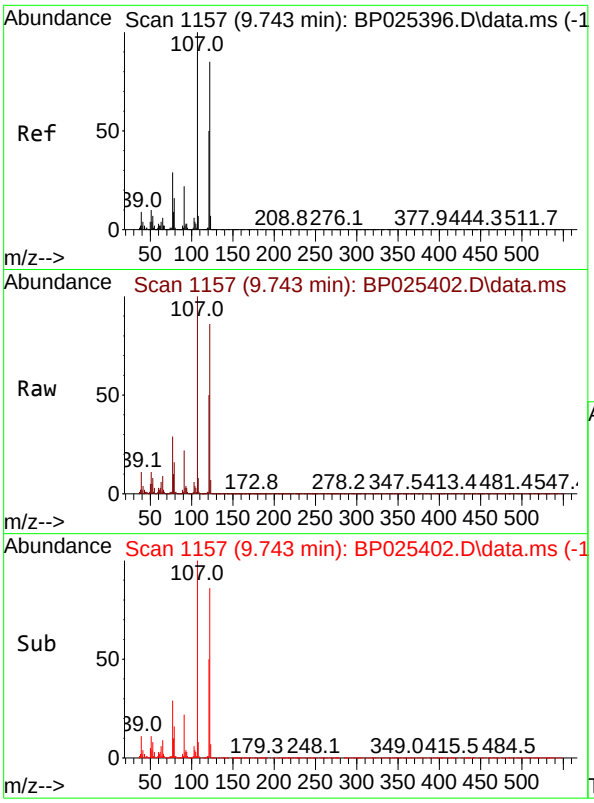


#26
2-Nitrophenol
Concen: 46.556 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:139 Resp: 274616

Ion	Ratio	Lower	Upper
139	100		
109	33.7	26.9	40.3
65	47.1	38.3	57.5



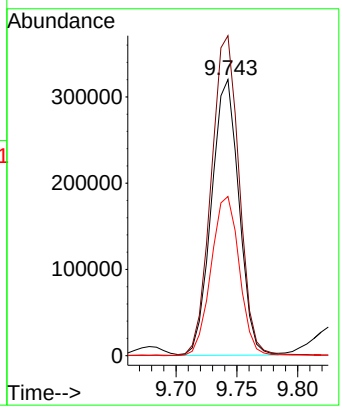


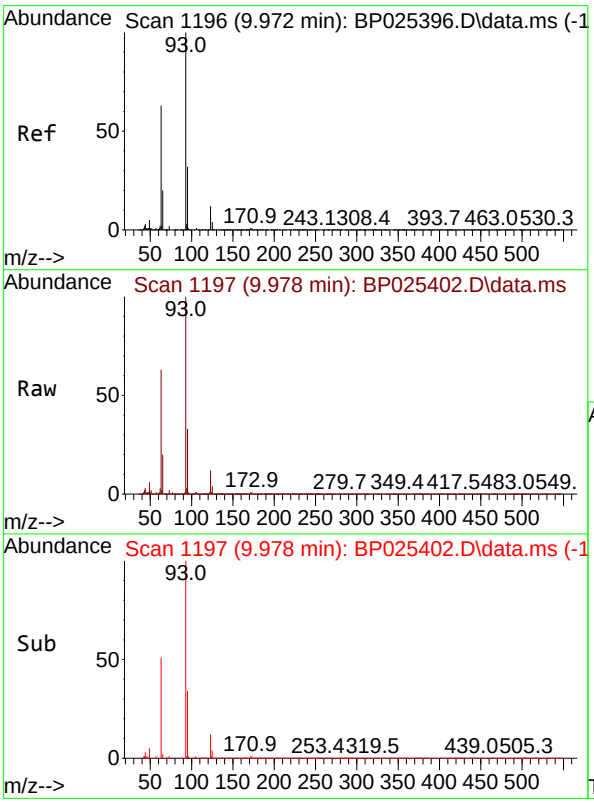
#27
2,4-Dimethylphenol
Concen: 49.547 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:122 Resp: 502601

Ion	Ratio	Lower	Upper
122	100		
107	115.8	93.7	140.5
121	57.7	46.6	69.8

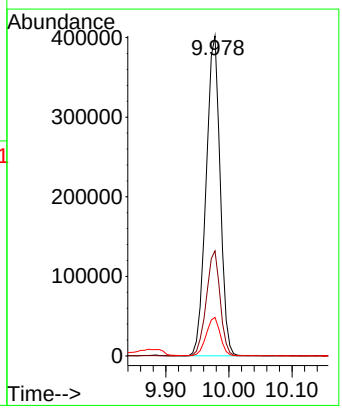


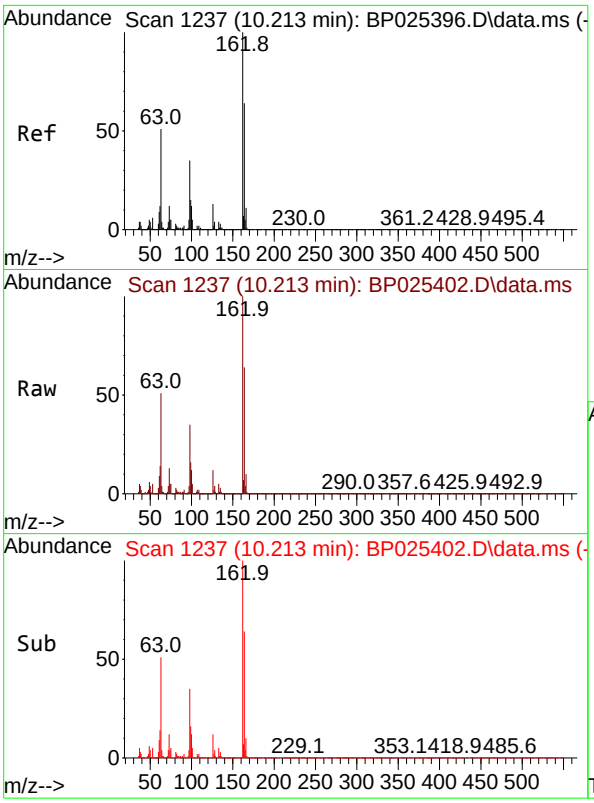


#28
bis(2-Chloroethoxy)methane
Concen: 45.252 ng
RT: 9.978 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 93 Resp: 622573

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.0
123	12.1	9.4	14.0



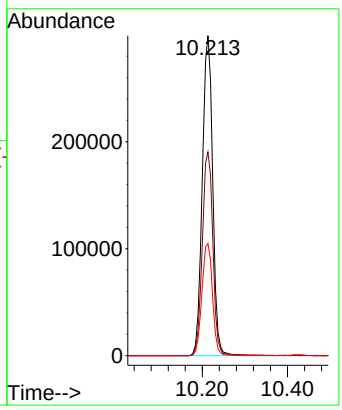


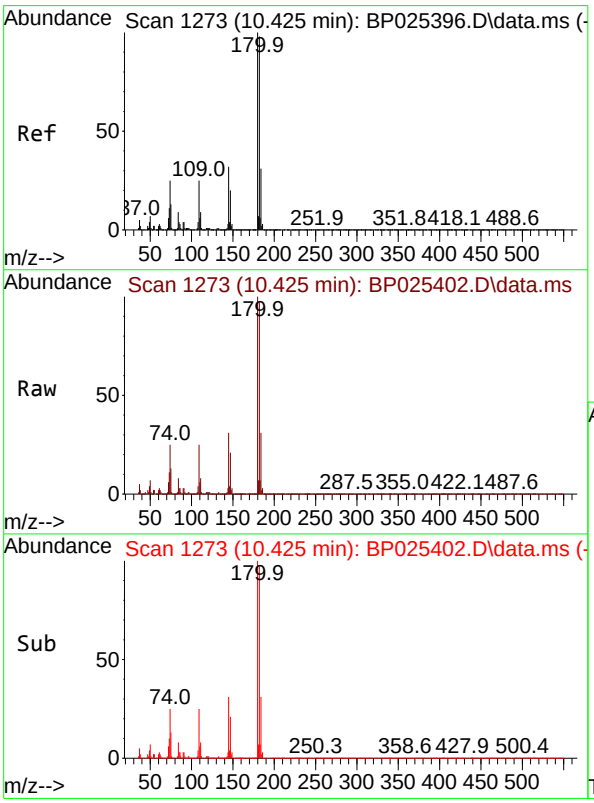
#29
2,4-Dichlorophenol
Concen: 50.213 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:162 Resp: 505992

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.4	84.4
98	35.0	14.9	54.9

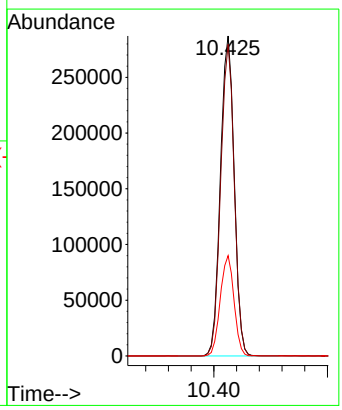


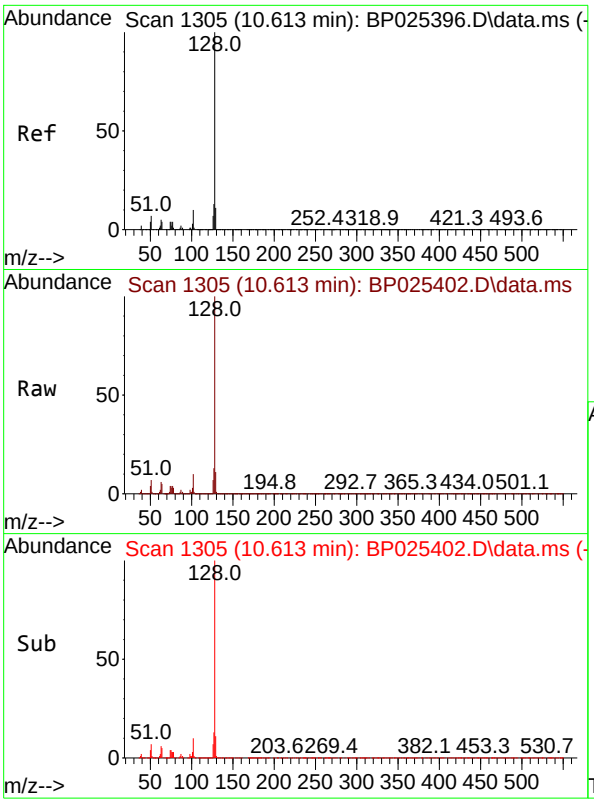


#30
1,2,4-Trichlorobenzene
Concen: 43.881 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:180 Resp: 484724

Ion	Ratio	Lower	Upper
180	100		
182	97.4	78.0	117.0
145	31.4	25.9	38.9



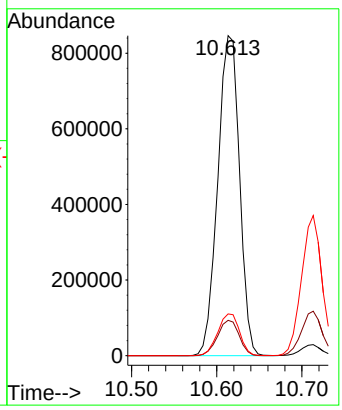


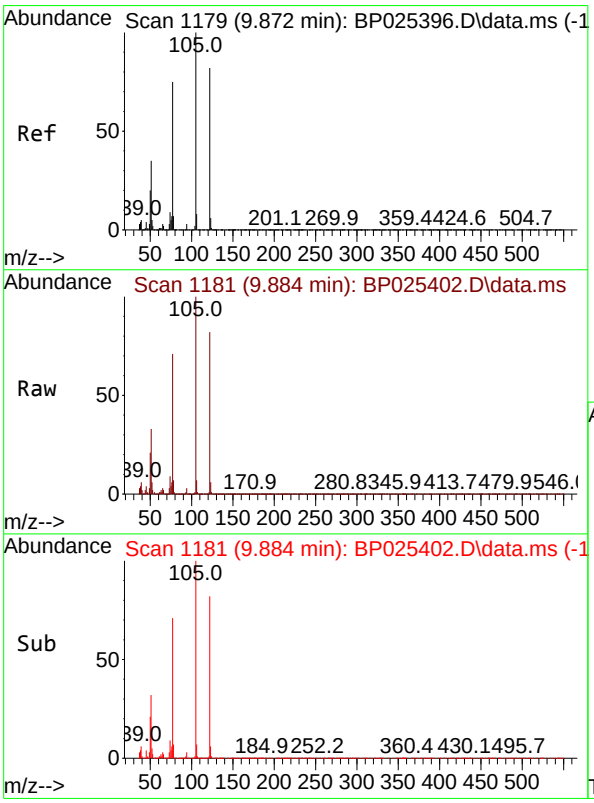
#31
Naphthalene
Concen: 44.521 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:128 Resp: 1505392

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.1	10.7	16.1

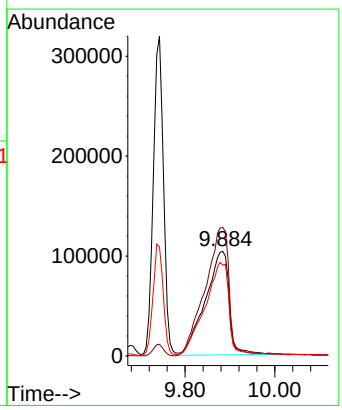


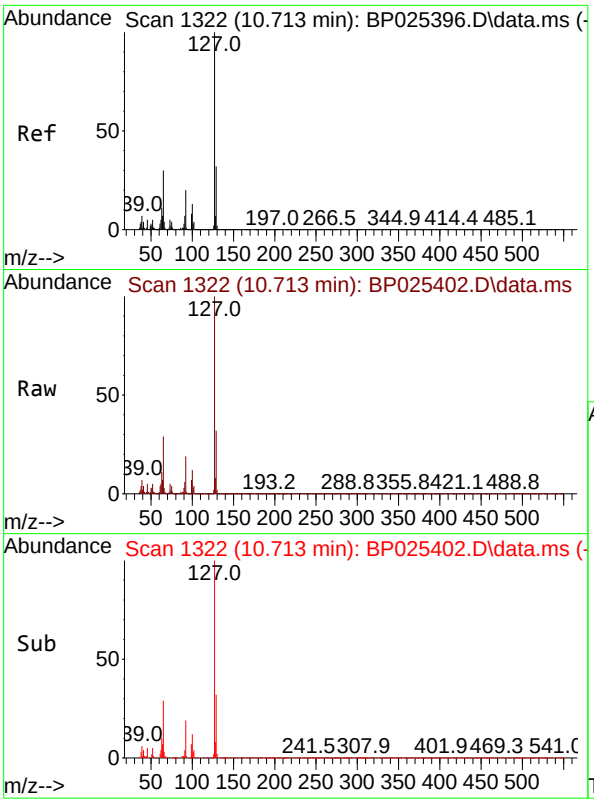


#32
Benzoic acid
Concen: 51.155 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:122 Resp: 383103

Ion	Ratio	Lower	Upper
122	100		
105	122.6	100.6	140.6
77	86.7	71.5	111.5



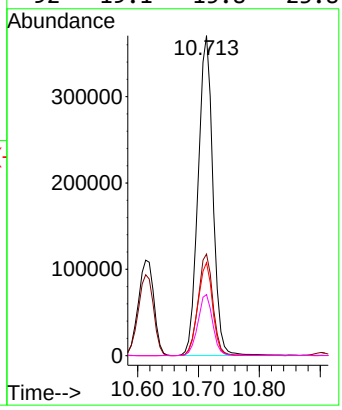


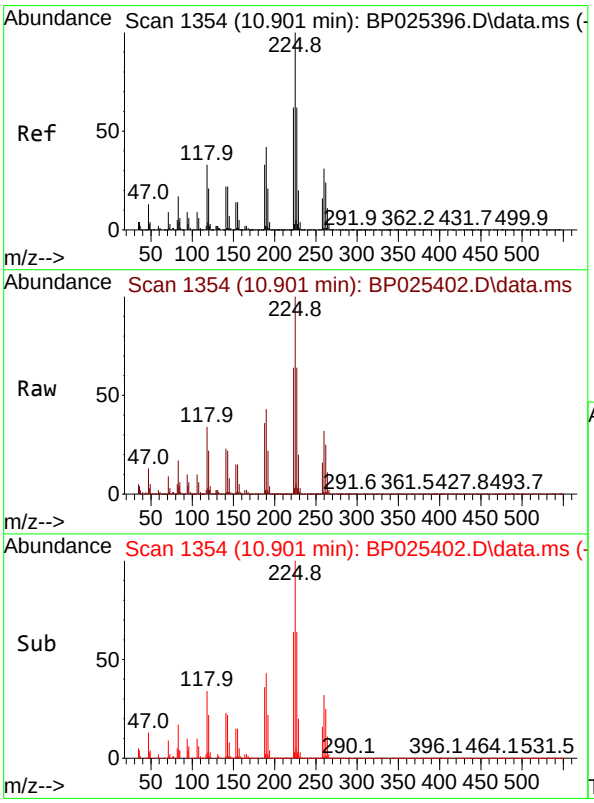
#33
4-Chloroaniline
Concen: 41.794 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:127 Resp: 624236

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.1	23.8	35.6
92	19.1	15.8	23.8

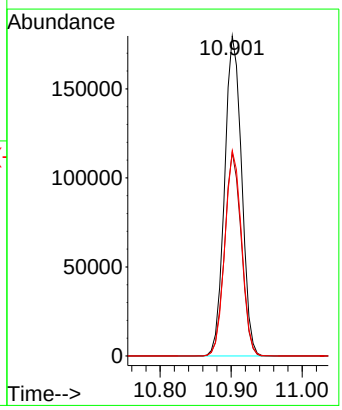


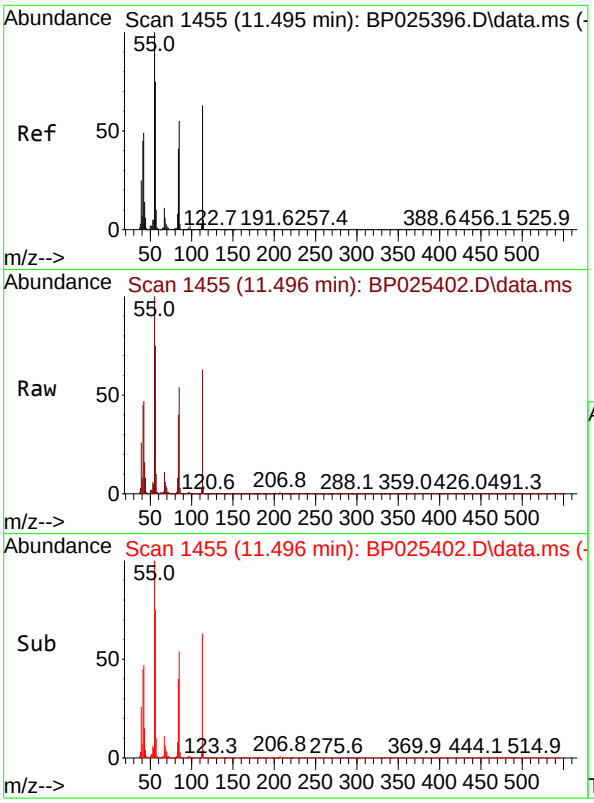


#34
Hexachlorobutadiene
Concen: 43.323 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:225 Resp: 298042

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.0	75.0
227	64.1	49.7	74.5



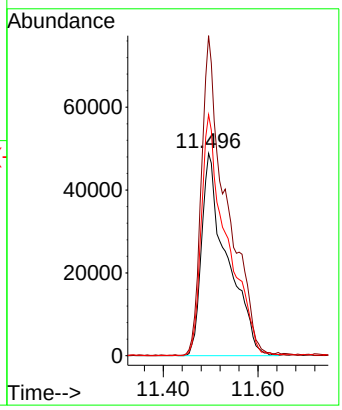


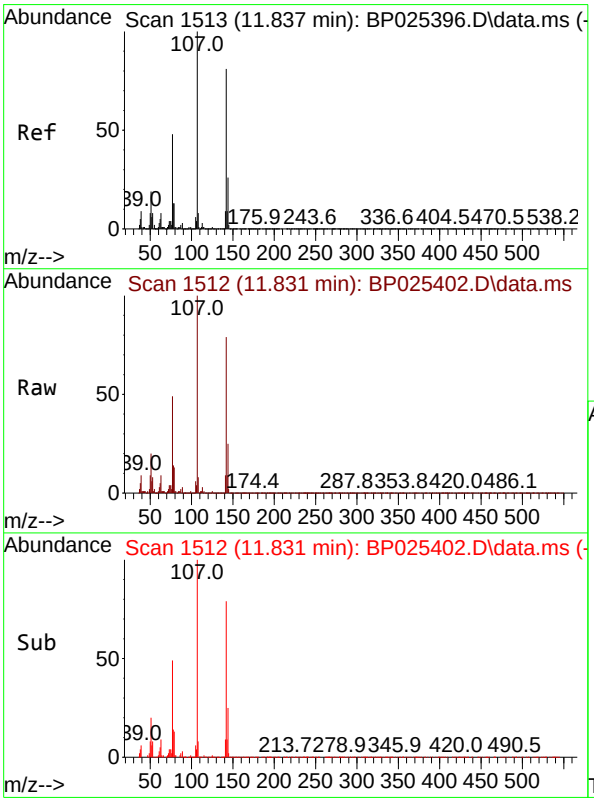
#35
Caprolactam
Concen: 49.139 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:113 Resp: 181569

Ion	Ratio	Lower	Upper
113	100		
55	158.2	140.0	180.0
56	119.2	100.0	140.0

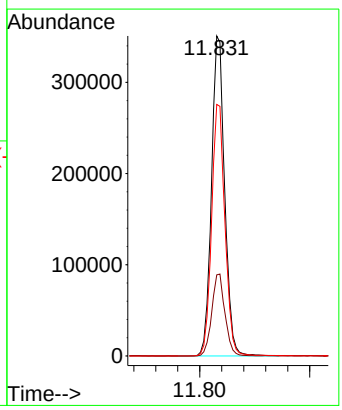


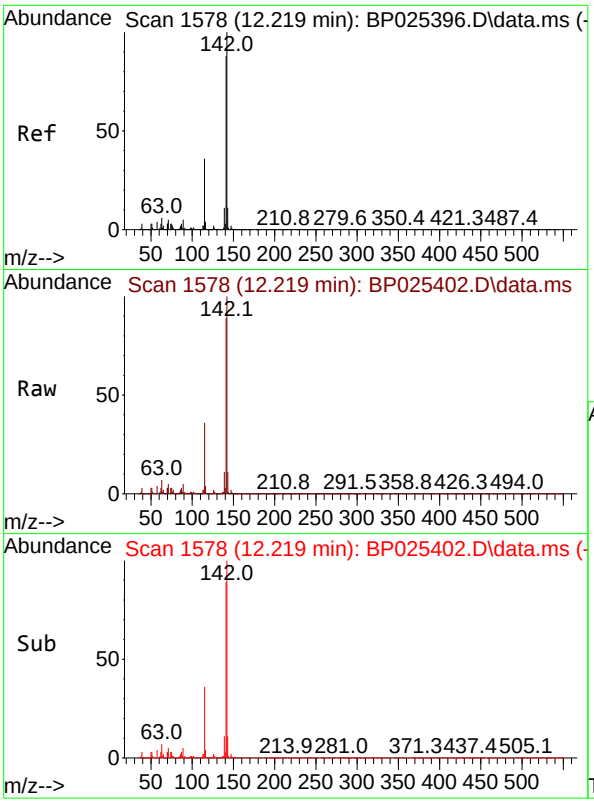


#36
4-Chloro-3-methylphenol
Concen: 50.394 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:107 Resp: 582706

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.0	31.4
142	78.6	64.6	97.0



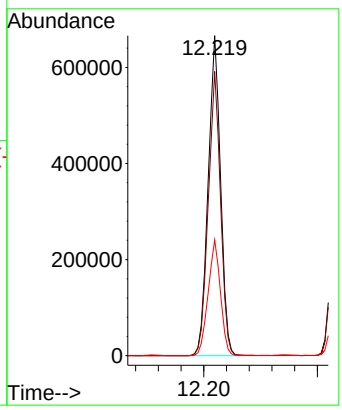


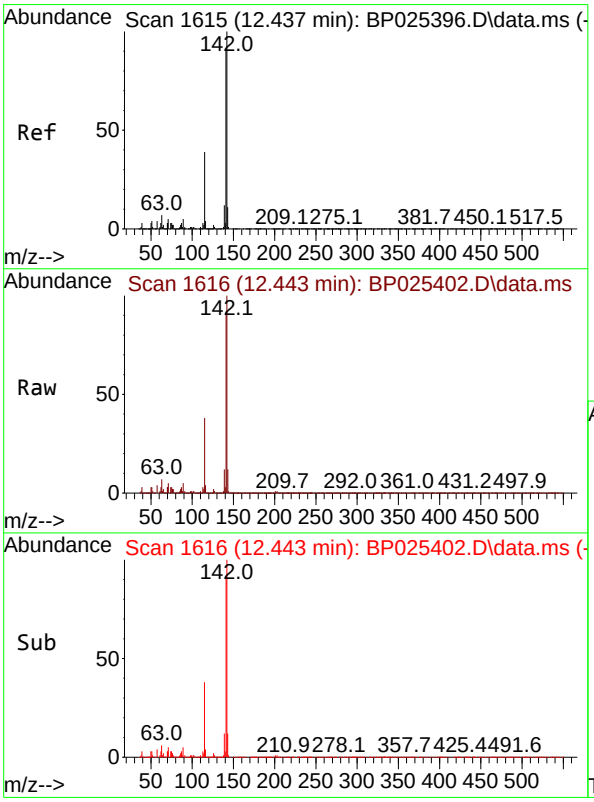
#37
2-Methylnaphthalene
Concen: 45.639 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:142 Resp: 1004265

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	36.2	28.9	43.3

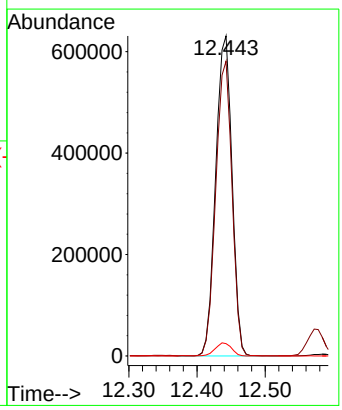


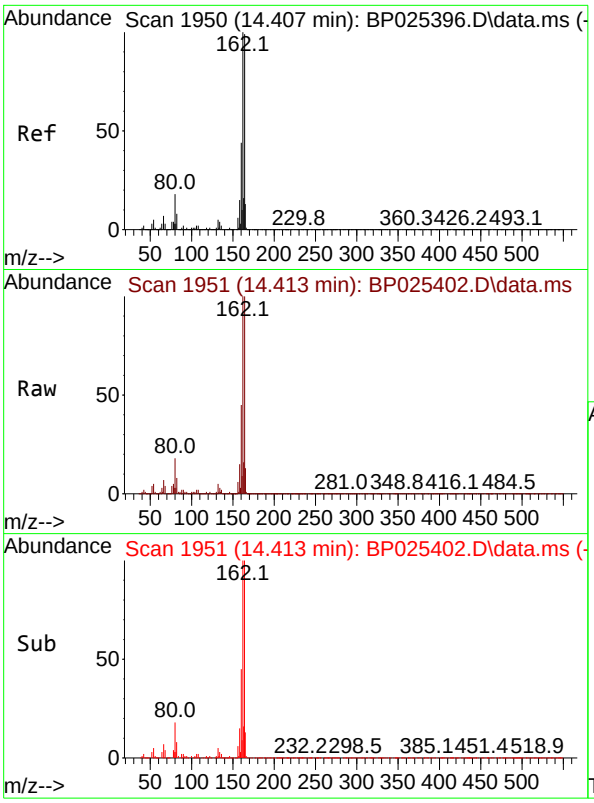


#38
1-Methylnaphthalene
Concen: 44.929 ng
RT: 12.443 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:142 Resp: 1051392

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7
116	3.9	3.2	4.8



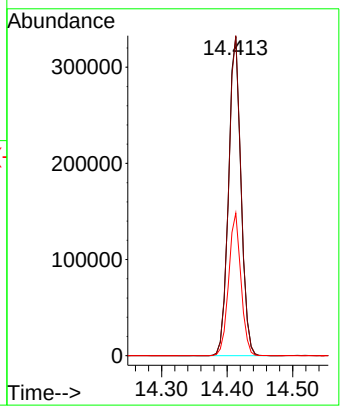


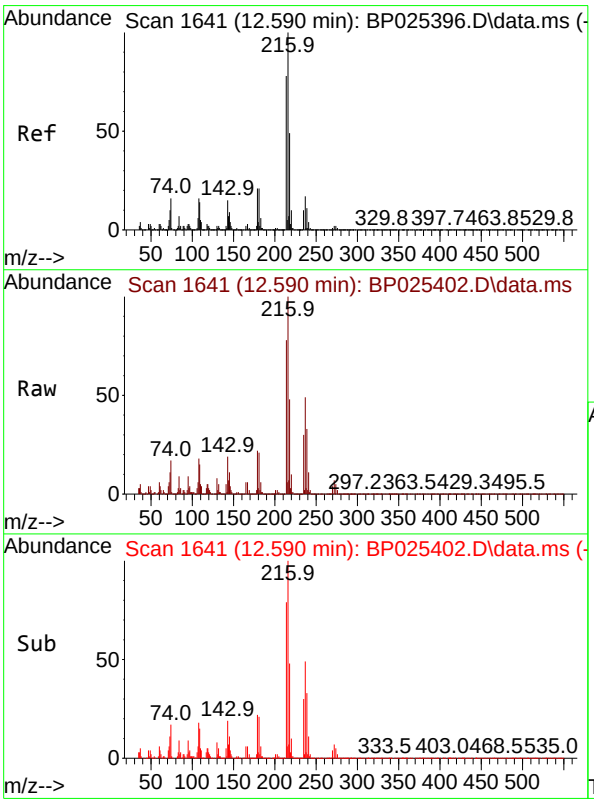
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:164 Resp: 435539

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.6
160	44.7	35.4	53.2

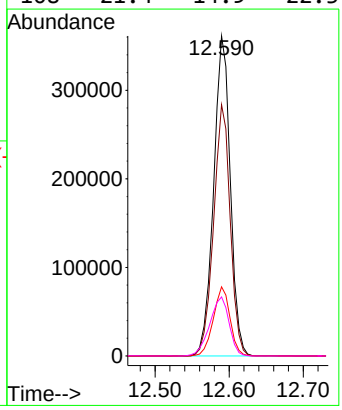


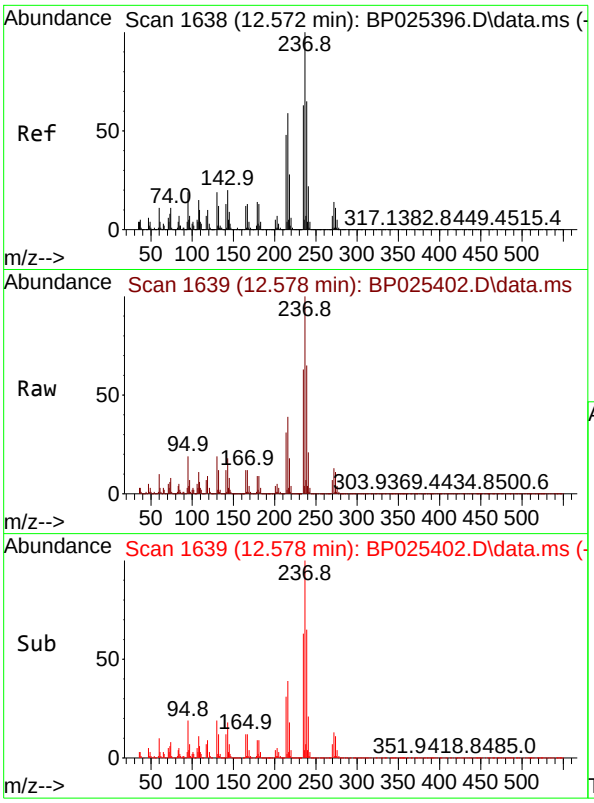


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.845 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:216 Resp: 564099

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	21.7	17.1	25.7
108	21.4	14.9	22.3



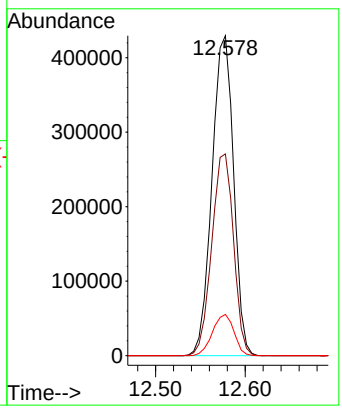


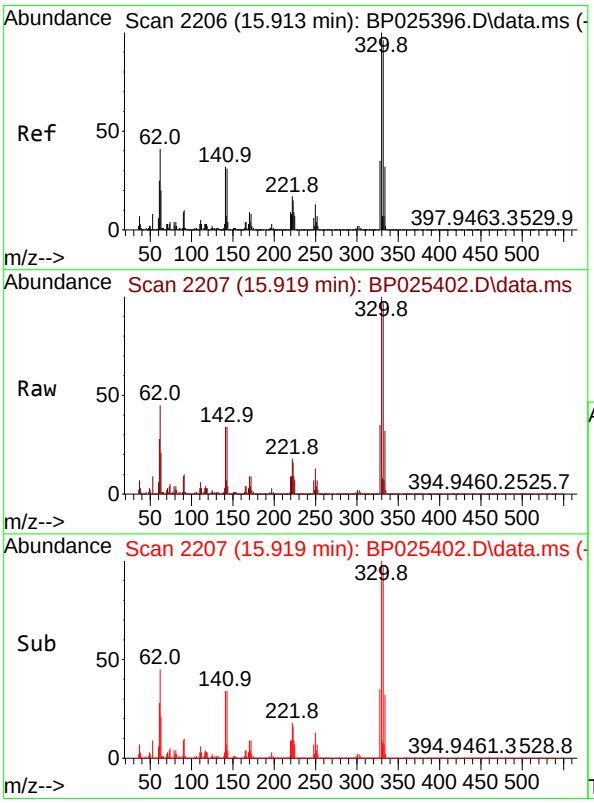
#41
Hexachlorocyclopentadiene
Concen: 94.317 ng
RT: 12.578 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:237 Resp: 716635

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.7	82.7
272	12.9	0.0	34.0

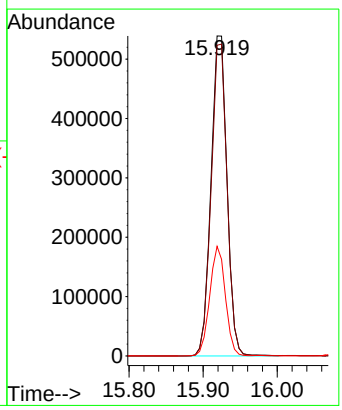


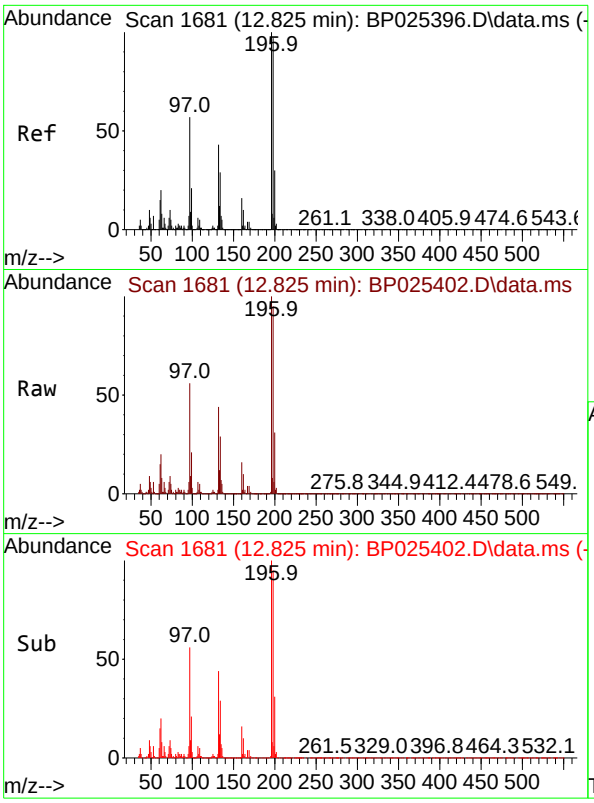


#42
2,4,6-Tribromophenol
Concen: 137.743 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:330 Resp: 807504

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.3	115.9
141	33.6	26.6	39.8



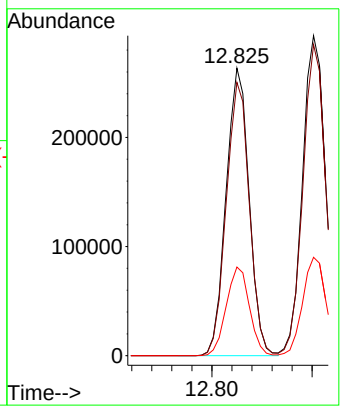


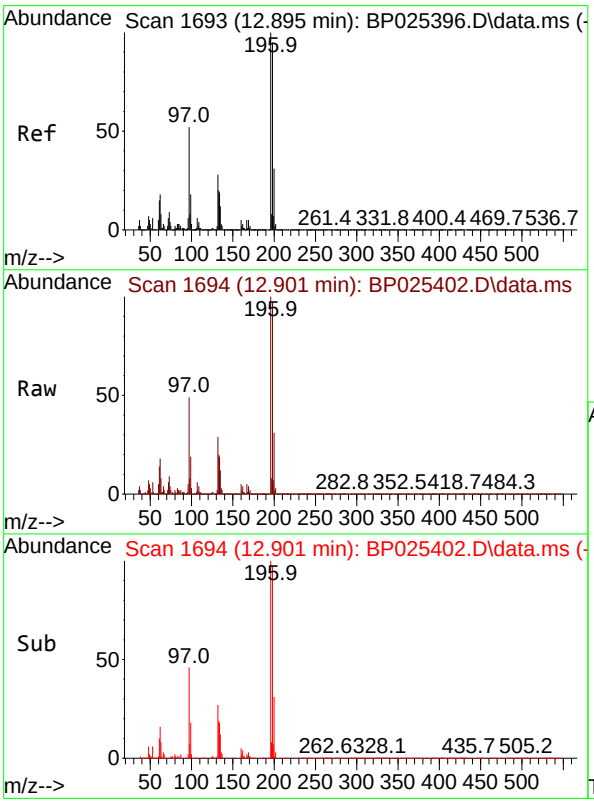
#43
2,4,6-Trichlorophenol
Concen: 49.564 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:196 Resp: 420901

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.2	115.8
200	30.8	23.9	35.9

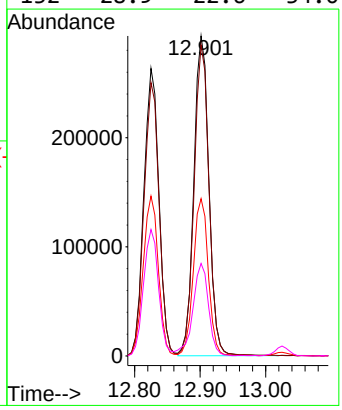


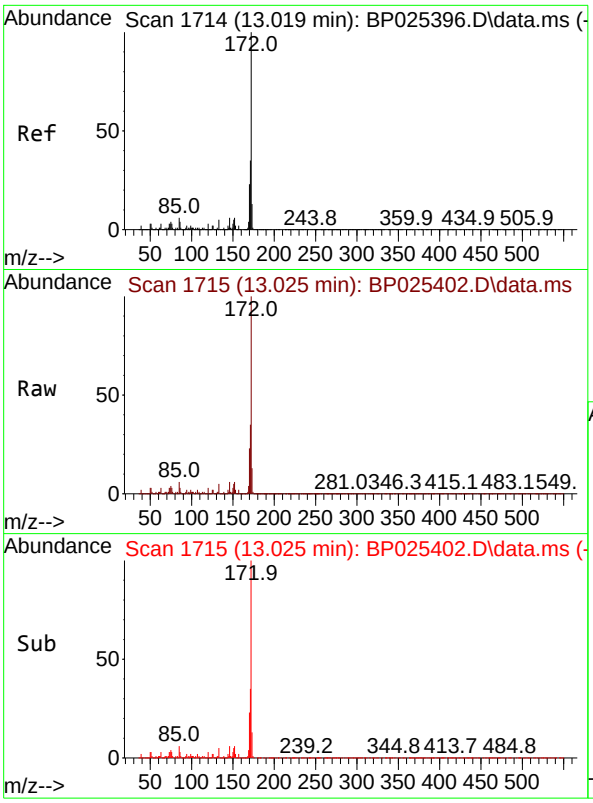


#44
2,4,5-Trichlorophenol
Concen: 50.356 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:196 Resp: 468666

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.2	114.2
97	49.1	41.2	61.8
132	28.9	22.6	34.0



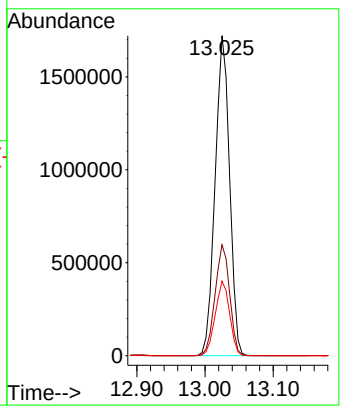


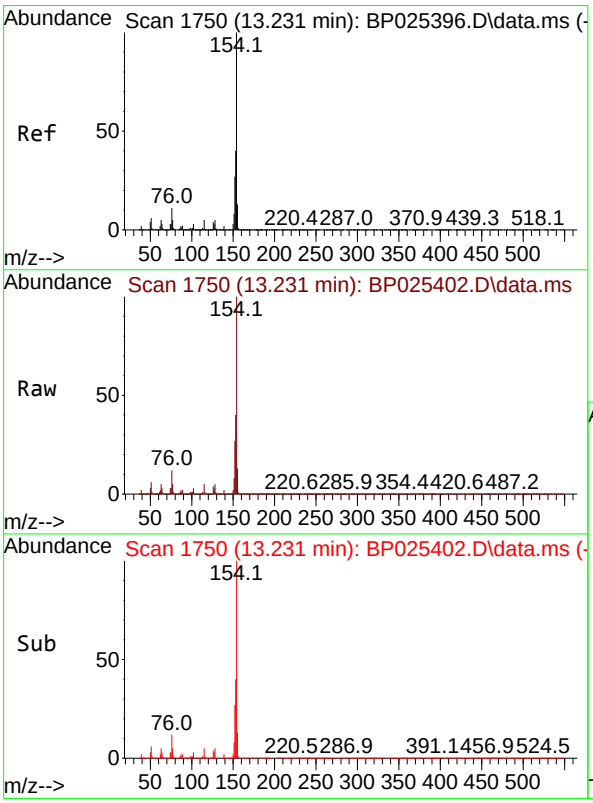
#45
2-Fluorobiphenyl
Concen: 79.667 ng
RT: 13.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:172 Resp: 2538853

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	23.3	18.6	28.0

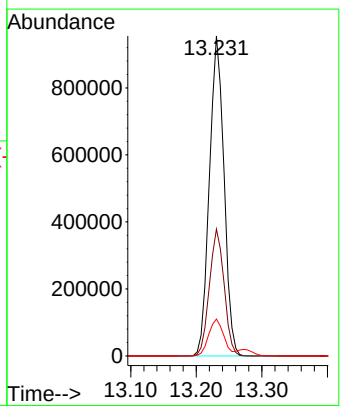


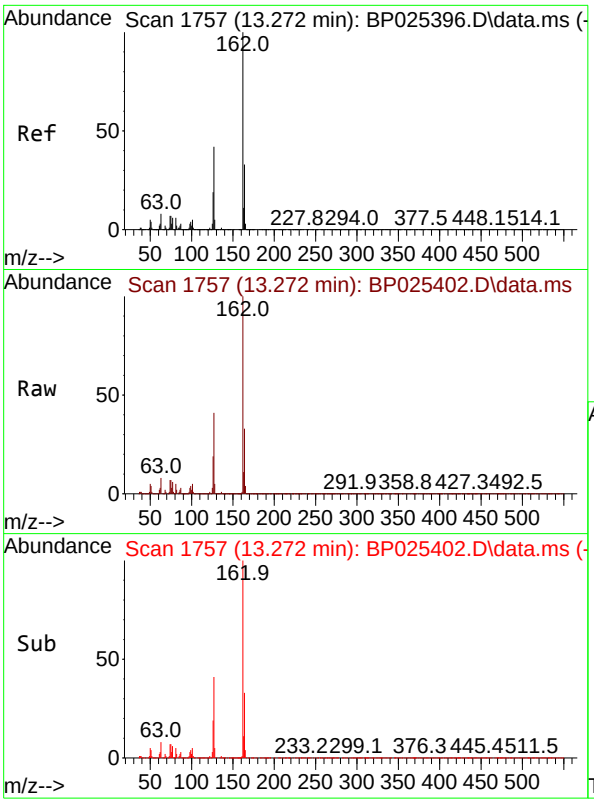


#46
1,1'-Biphenyl
Concen: 46.689 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:154 Resp: 1476847

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.5	59.5
76	11.5	0.0	31.1



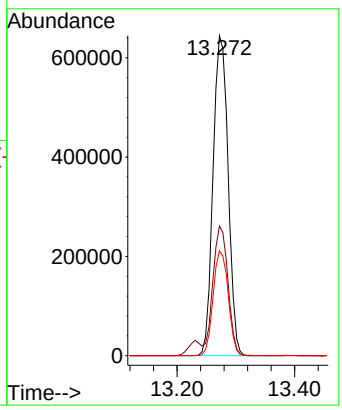


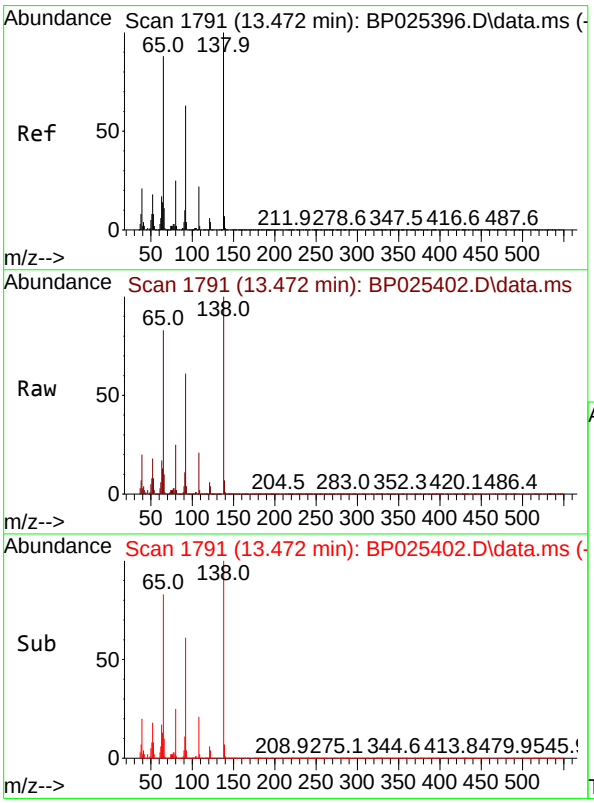
#47
2-Chloronaphthalene
Concen: 46.544 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:162 Resp: 1146132

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.7	26.2	39.2

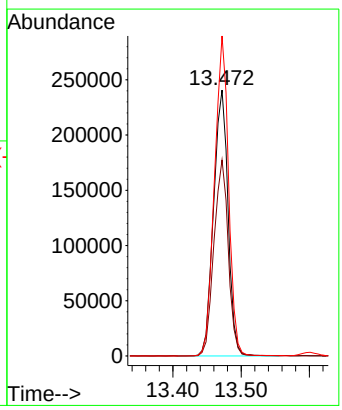


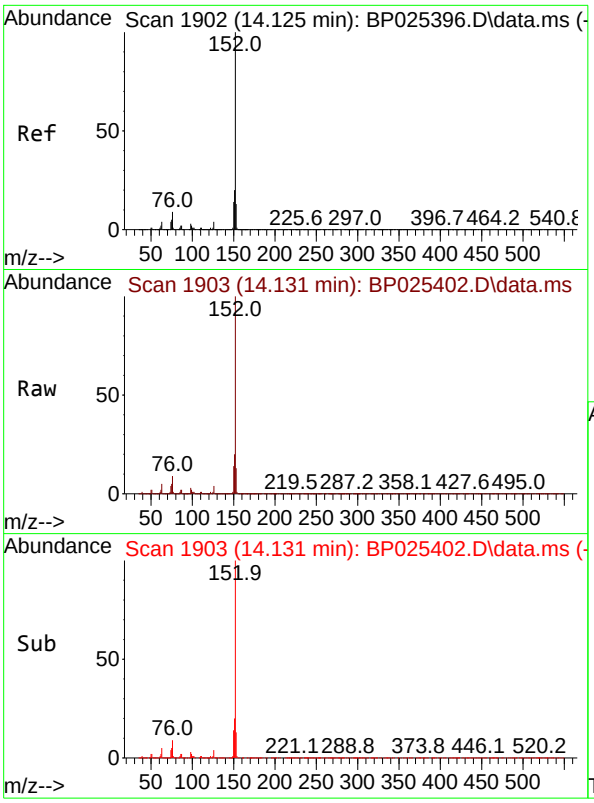


#48
2-Nitroaniline
Concen: 49.489 ng
RT: 13.472 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion: 65 Resp: 355089

Ion	Ratio	Lower	Upper
65	100		
92	73.7	57.6	86.4
138	120.3	91.0	136.6



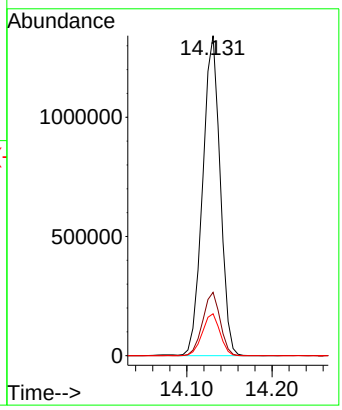


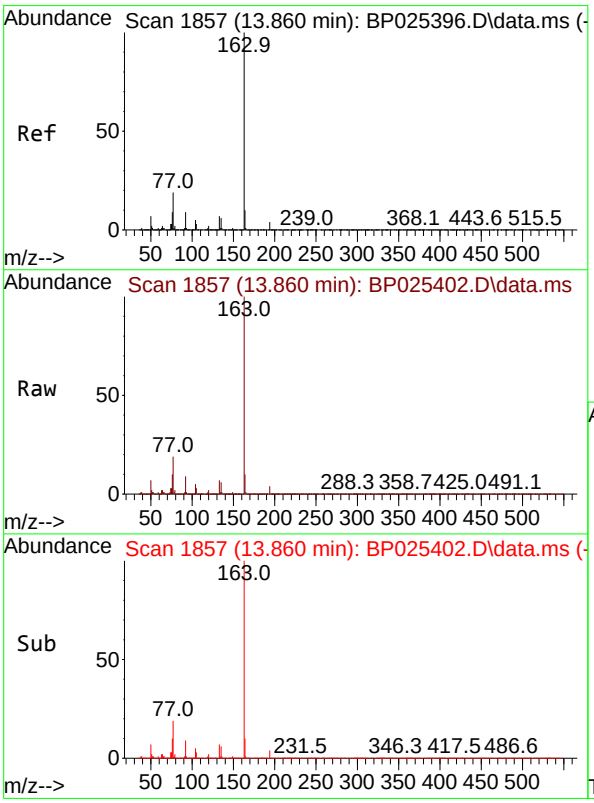
#49
Acenaphthylene
Concen: 46.883 ng
RT: 14.131 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:152 Resp: 1910326

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8

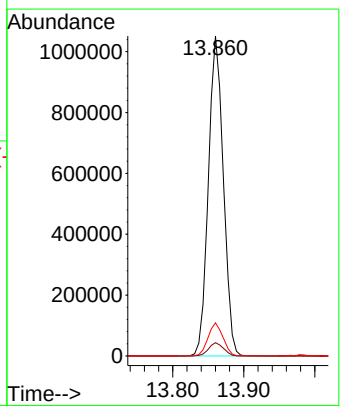


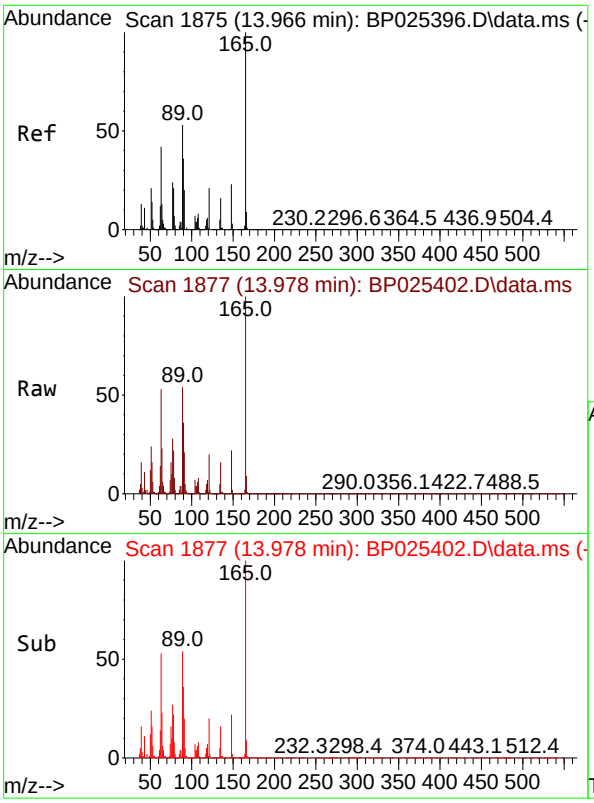


#50
Dimethylphthalate
Concen: 48.314 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:163 Resp: 1540919

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.4	7.9	11.9



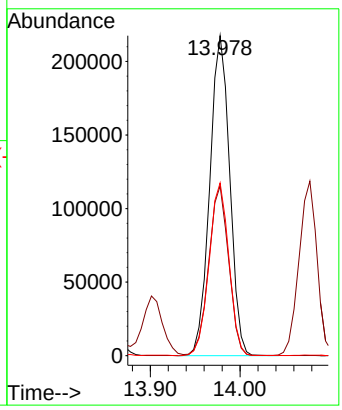


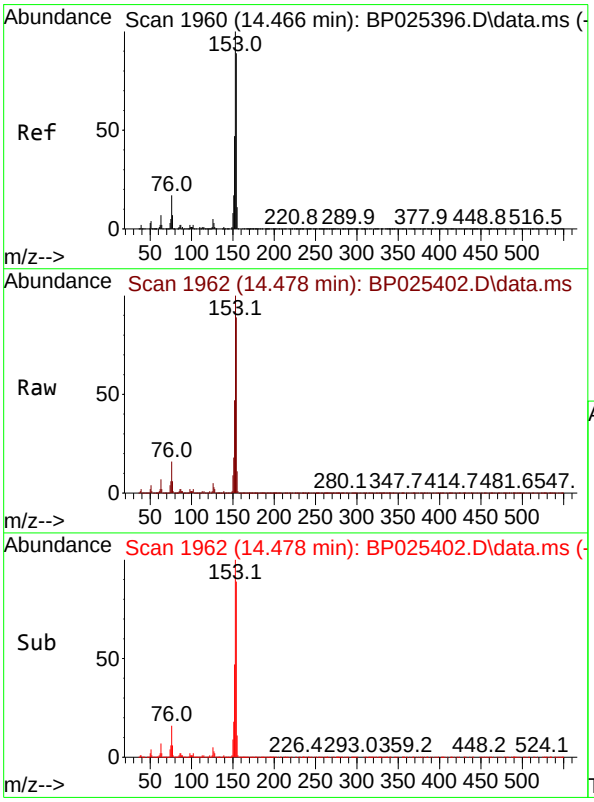
#51
2,6-Dinitrotoluene
Concen: 49.911 ng
RT: 13.978 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:165 Resp: 335519

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.9	61.3
89	54.0	42.1	63.1

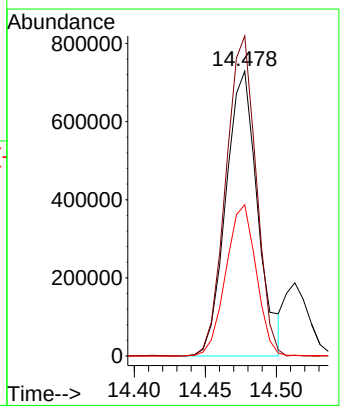


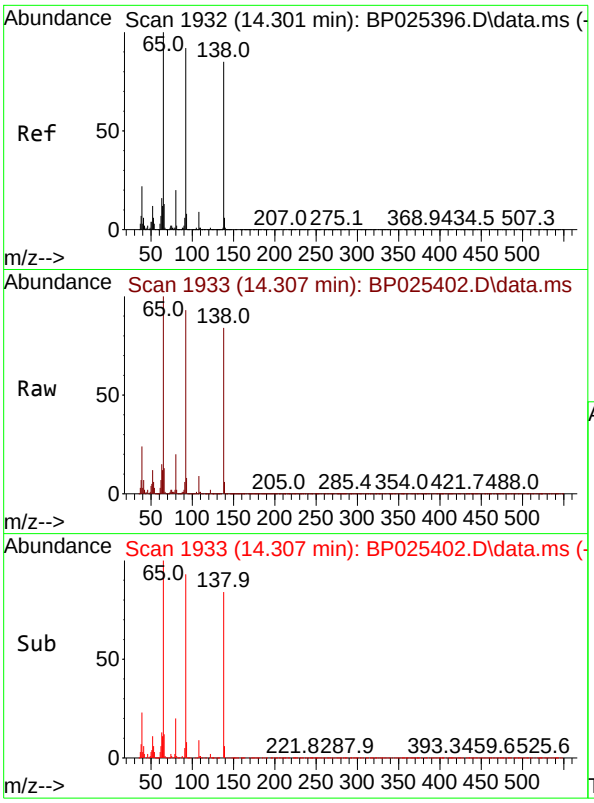


#52
Acenaphthene
Concen: 47.334 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:154 Resp: 1132105

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.2	135.2
152	53.1	42.1	63.1



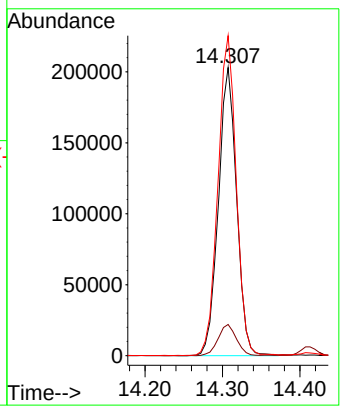


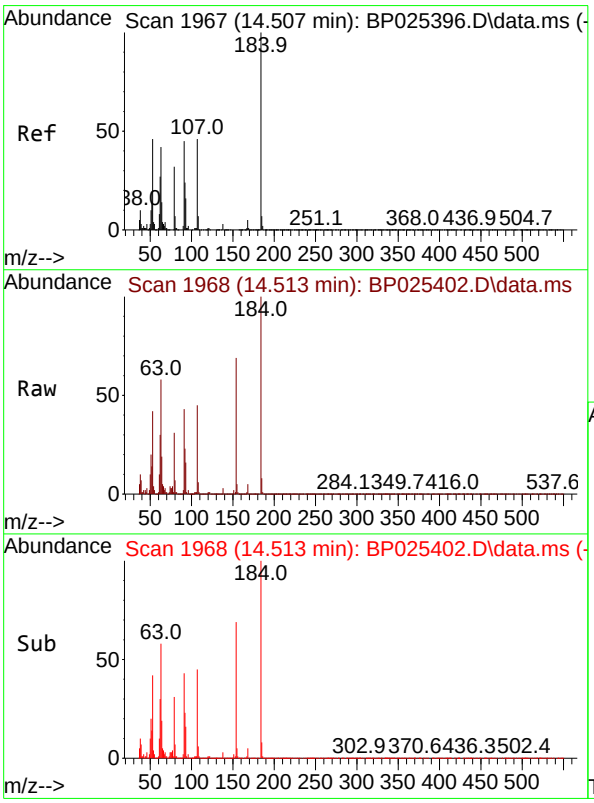
#53
3-Nitroaniline
Concen: 43.858 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:138 Resp: 331713

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.3	12.5
92	111.1	86.2	129.2

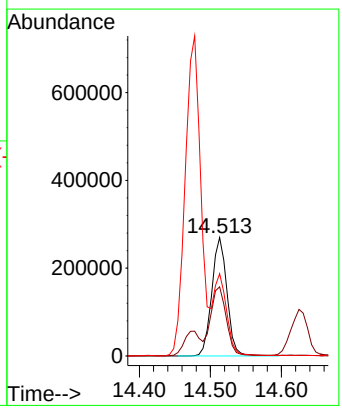


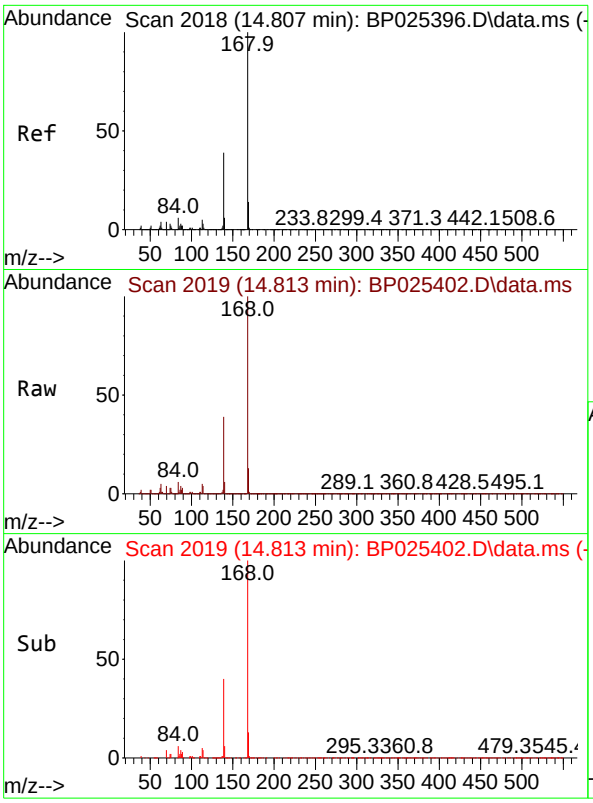


#54
2,4-Dinitrophenol
Concen: 111.865 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:184 Resp: 401585

Ion	Ratio	Lower	Upper
184	100		
63	58.4	49.4	74.2
154	69.4	54.6	82.0



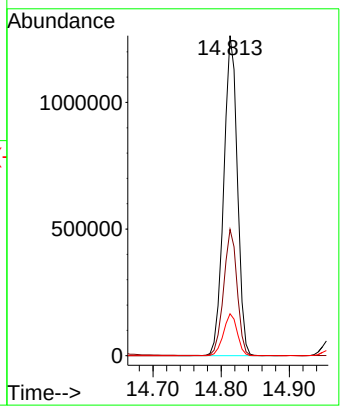


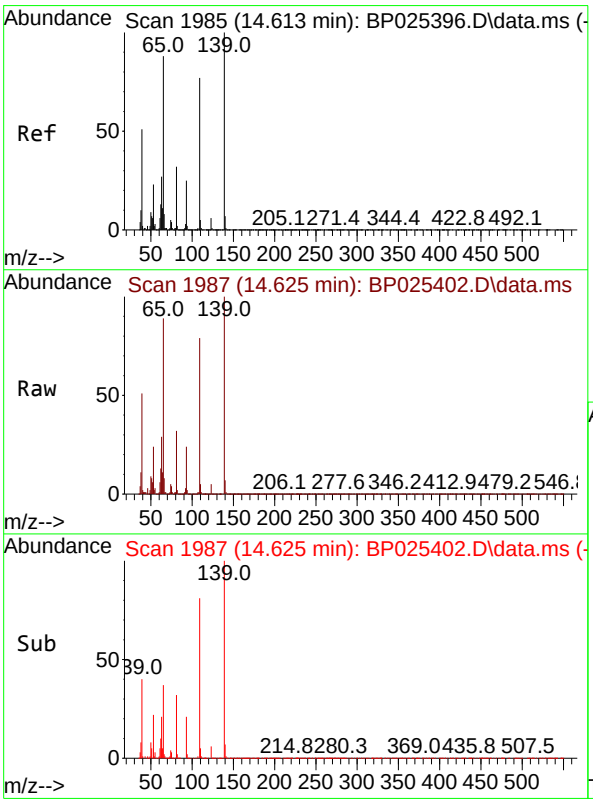
#55
Dibenzofuran
Concen: 46.470 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:168 Resp: 1757203

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.5	47.3
169	13.1	10.9	16.3

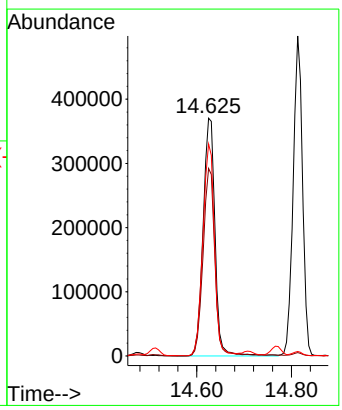


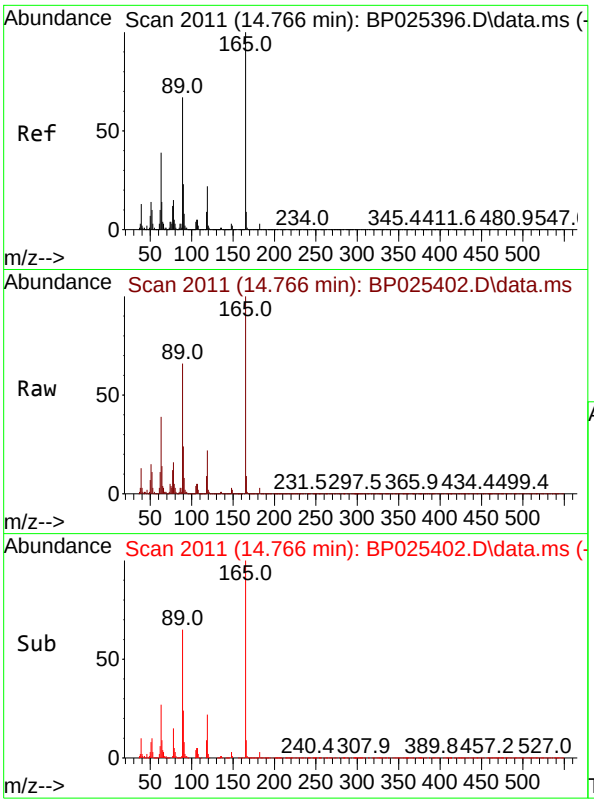


#56
4-Nitrophenol
Concen: 104.294 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:139 Resp: 648186

Ion	Ratio	Lower	Upper
139	100		
109	78.9	56.6	96.6
65	89.2	68.2	108.2



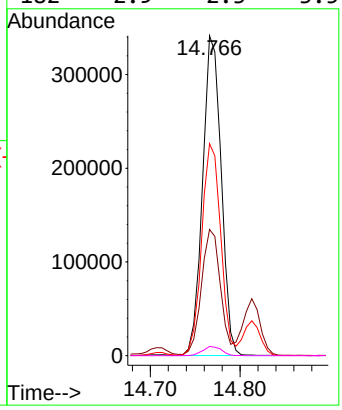


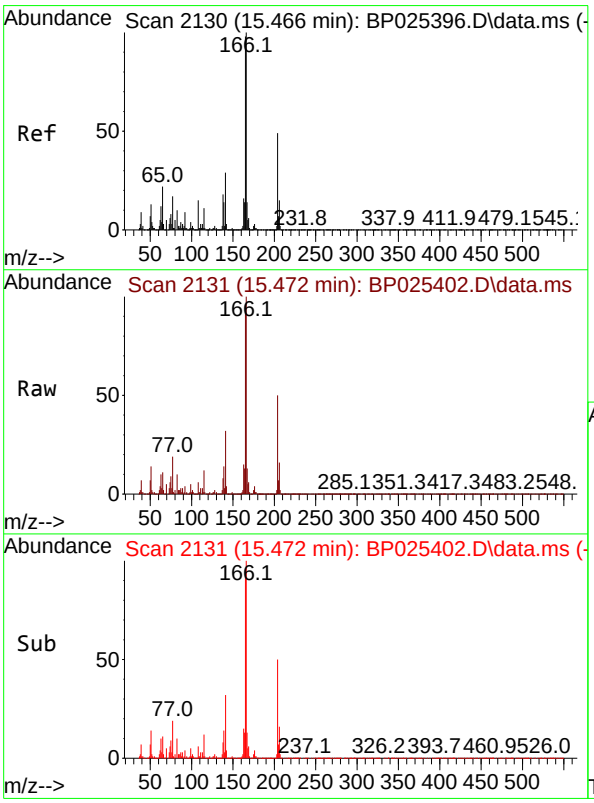
#57
2,4-Dinitrotoluene
Concen: 51.219 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:165 Resp: 491249

Ion	Ratio	Lower	Upper
165	100		
63	39.4	31.4	47.2
89	66.3	53.3	79.9
182	2.9	2.3	3.5

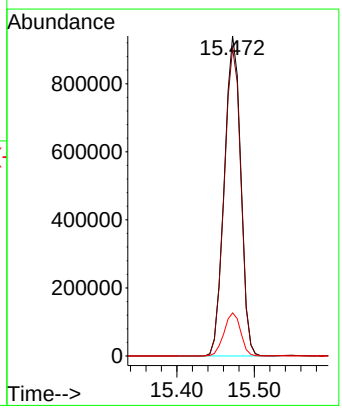


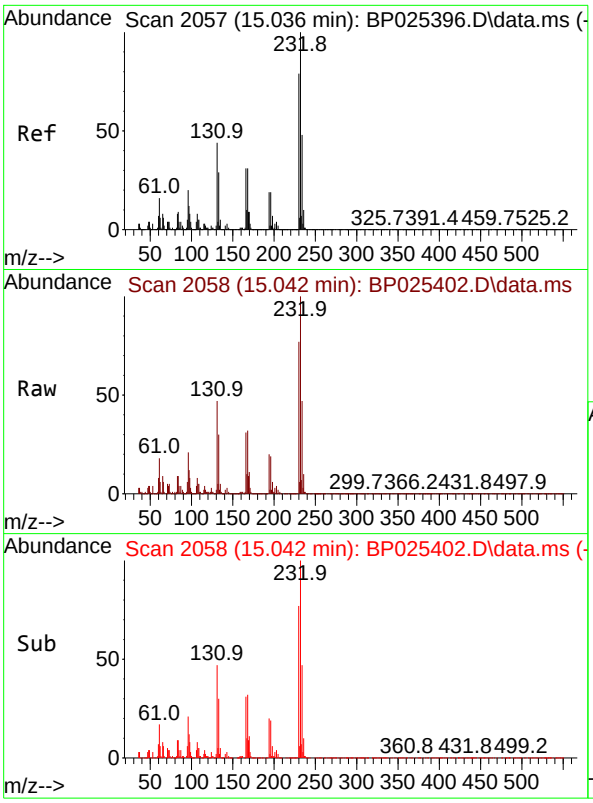


#58
Fluorene
Concen: 46.525 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:166 Resp: 1388189

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.8	118.2
167	13.4	11.0	16.4



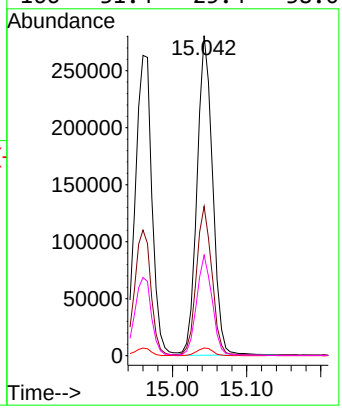


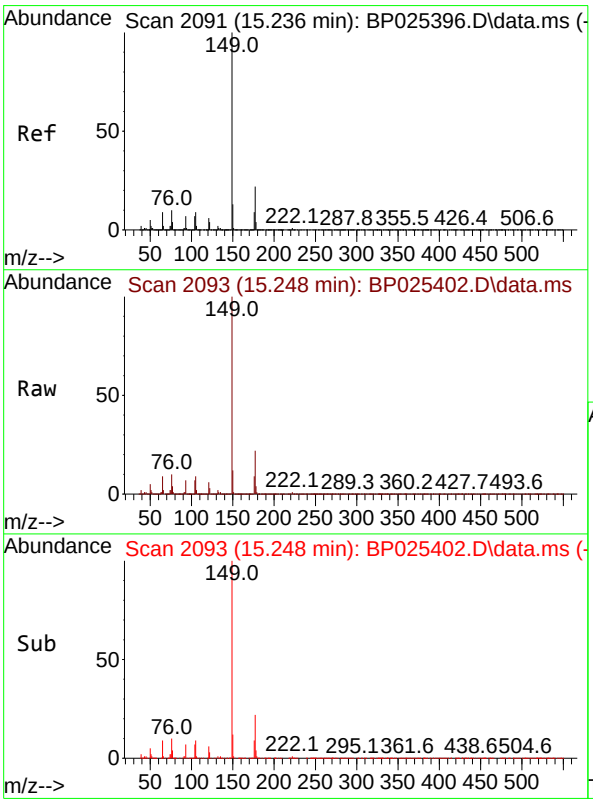
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.740 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:232 Resp: 408762

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.5	1.9	2.9
166	31.4	25.4	38.0

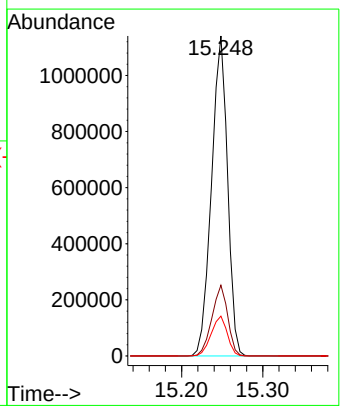


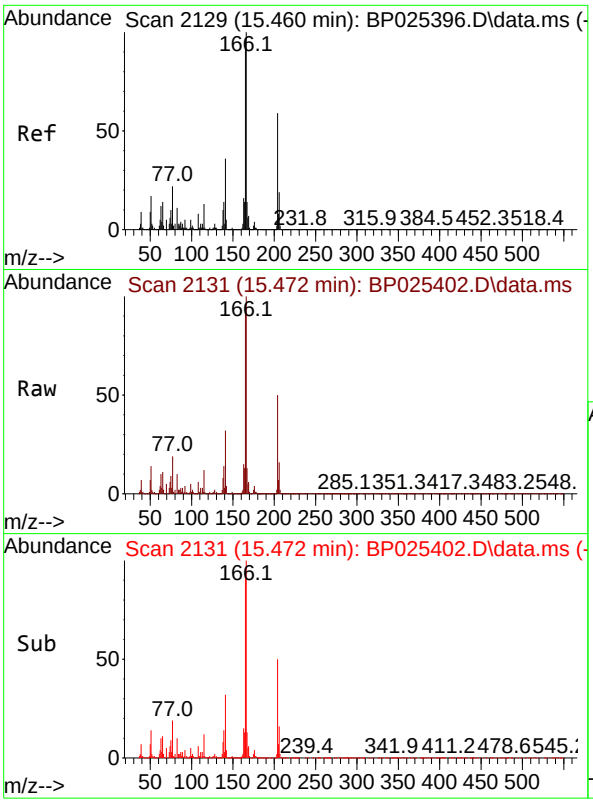


#60
Diethylphthalate
Concen: 48.233 ng
RT: 15.248 min Scan# 2093
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1563135

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.4	10.3	15.5



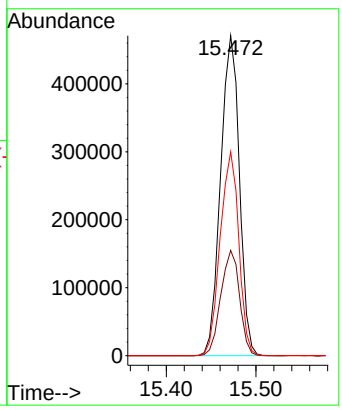


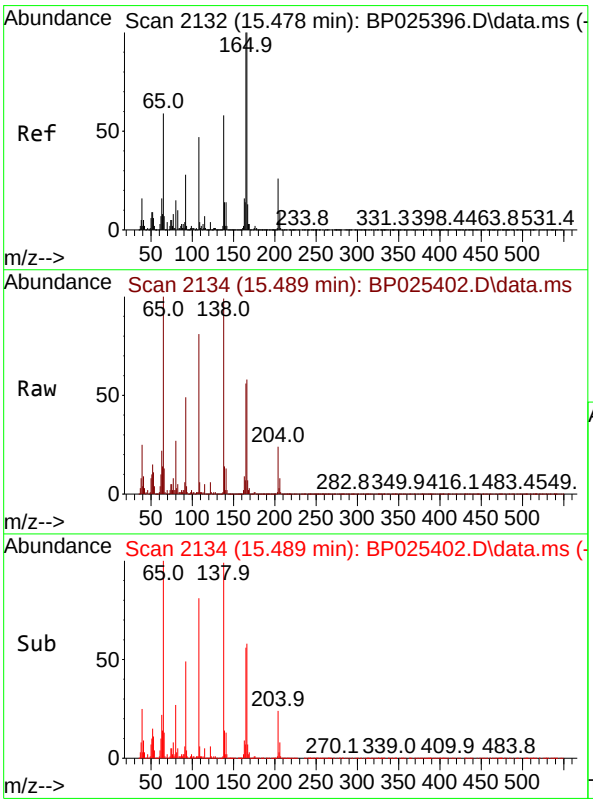
#61
4-Chlorophenyl-phenylether
Concen: 46.075 ng
RT: 15.472 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:204 Resp: 683735

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.8
141	63.7	49.4	74.2

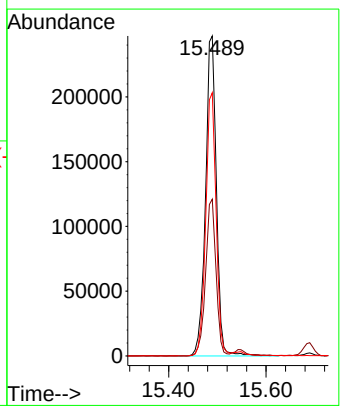


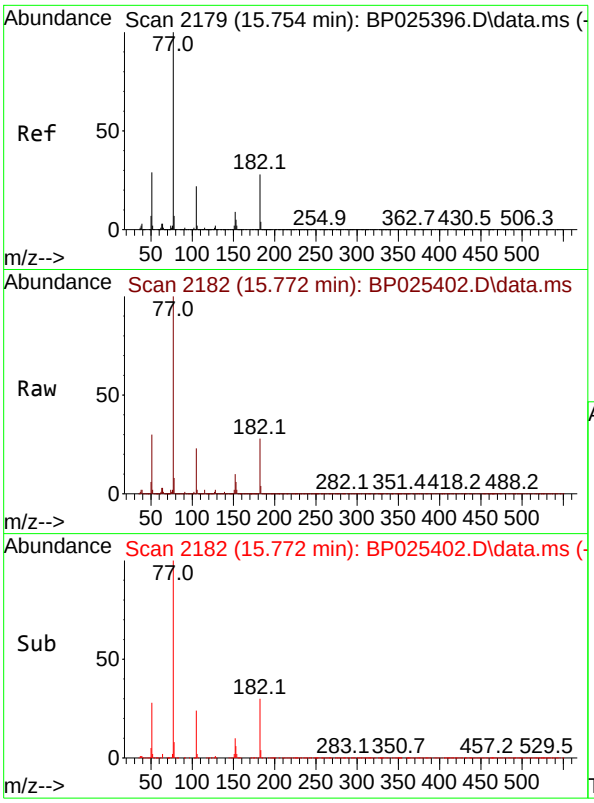


#62
4-Nitroaniline
Concen: 49.072 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:138 Resp: 380486

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.1	69.1
108	82.2	61.5	101.5



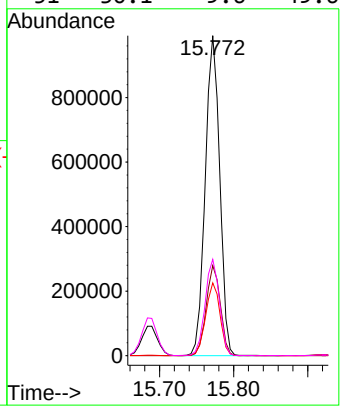


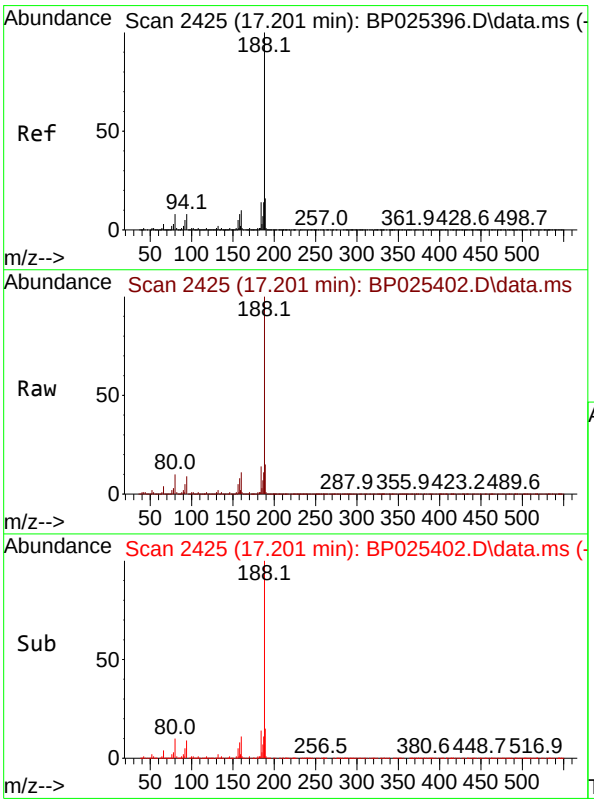
#63
Azobenzene
Concen: 48.409 ng
RT: 15.772 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion: 77 Resp: 1343333

Ion	Ratio	Lower	Upper
77	100		
182	28.1	7.5	47.5
105	22.8	2.1	42.1
51	30.1	9.6	49.6

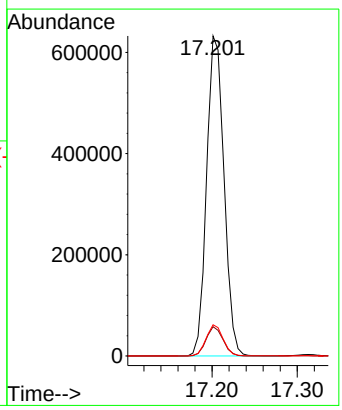


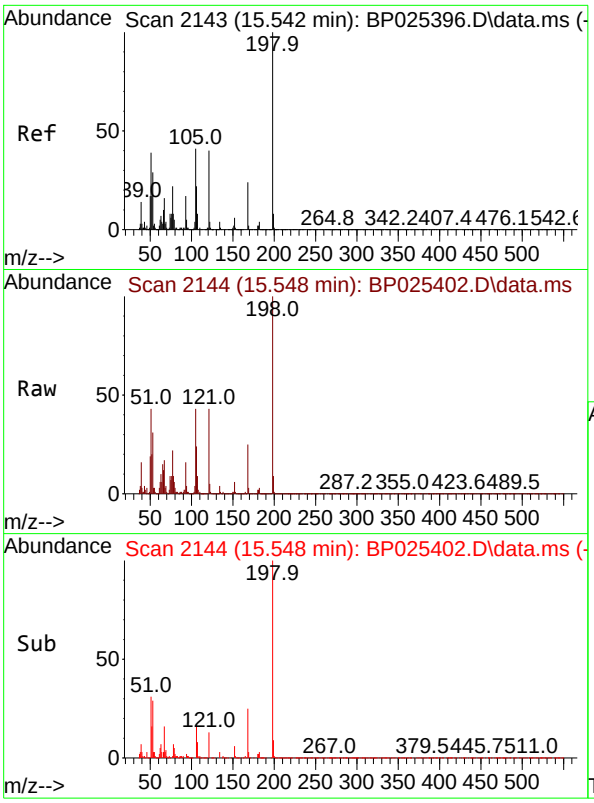


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:188 Resp: 895607

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.8	6.7	10.1



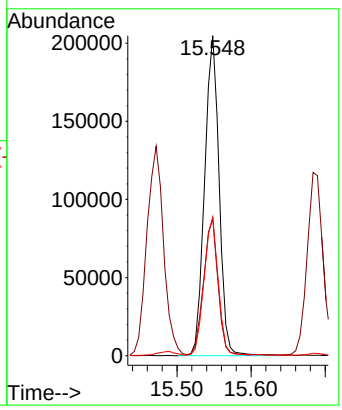


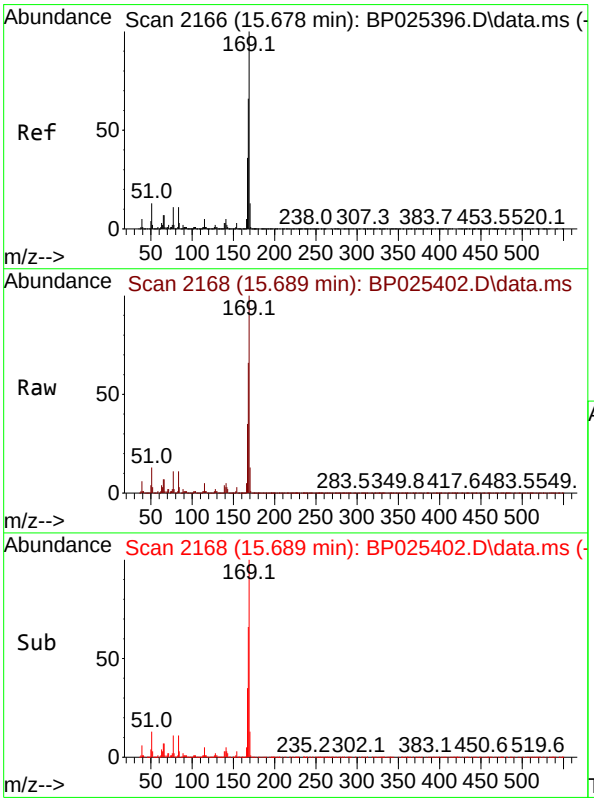
#65
4,6-Dinitro-2-methylphenol
Concen: 49.788 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:198 Resp: 277954

Ion	Ratio	Lower	Upper
198	100		
51	42.8	19.6	59.6
105	43.3	20.9	60.9

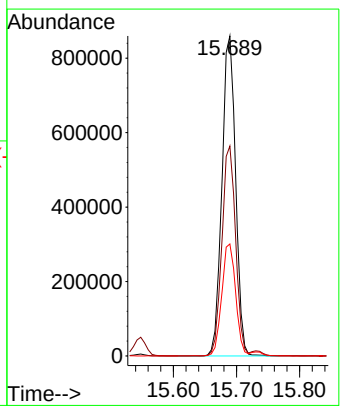


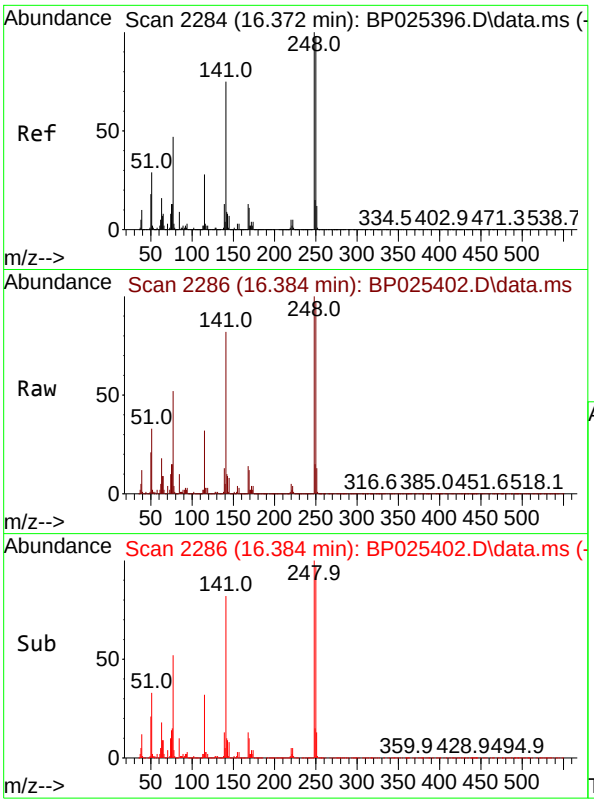


#66
n-Nitrosodiphenylamine
Concen: 47.265 ng
RT: 15.689 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:169 Resp: 1290834

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.0	28.7	43.1



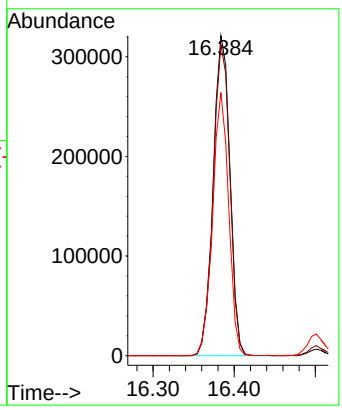


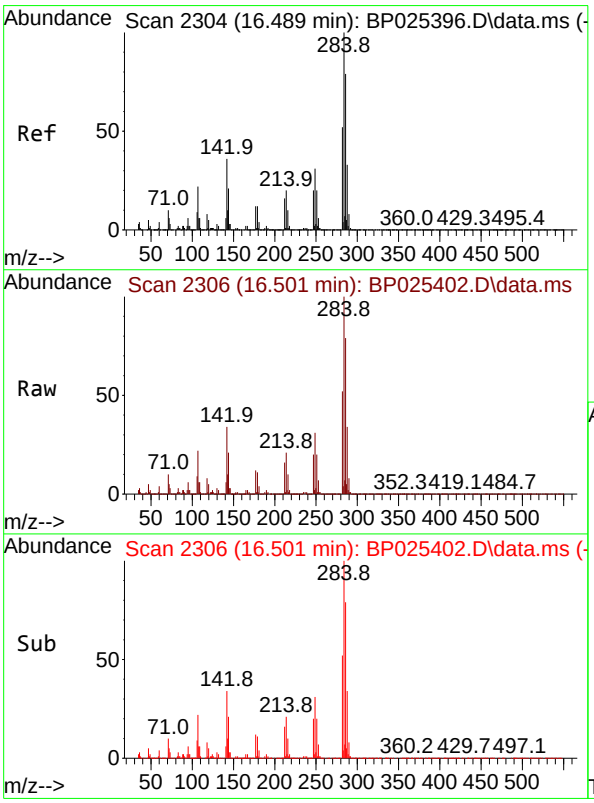
#67
4-Bromophenyl-phenylether
Concen: 46.761 ng
RT: 16.384 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:248 Resp: 460600

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.2
141	82.2	59.6	89.4

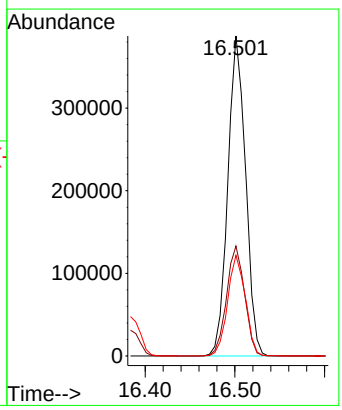


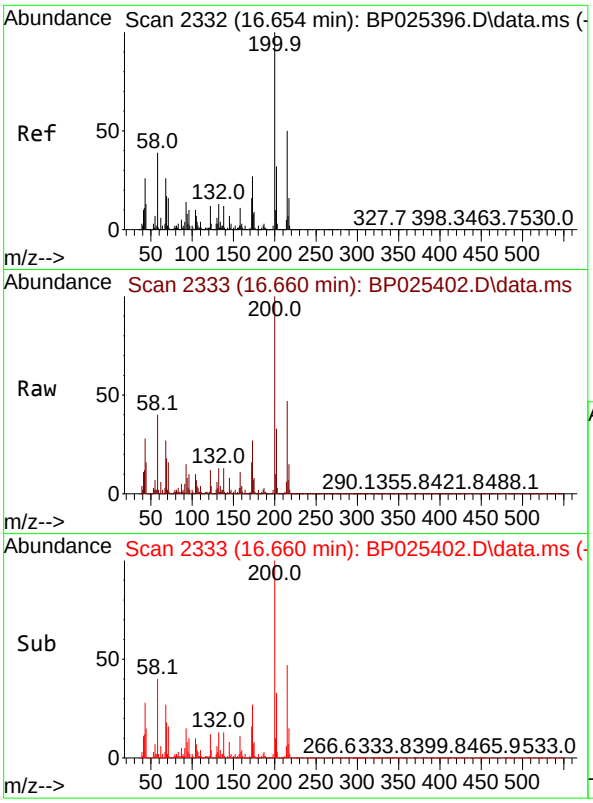


#68
Hexachlorobenzene
Concen: 46.564 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:284 Resp: 531682

Ion	Ratio	Lower	Upper
284	100		
142	34.4	29.1	43.7
249	31.5	25.0	37.4



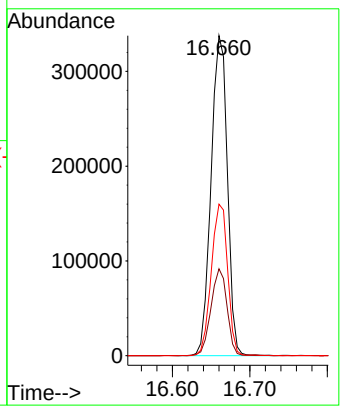


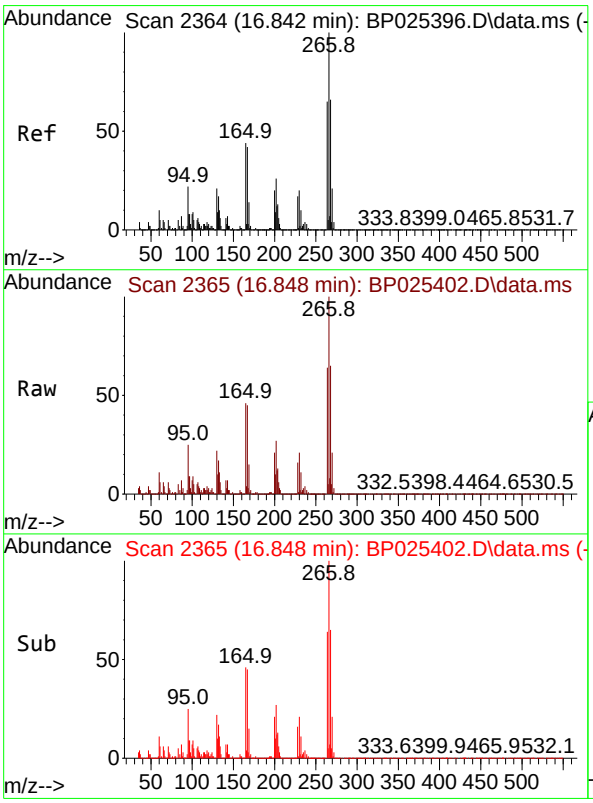
#69
Atrazine
Concen: 48.184 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:200 Resp: 492822

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.7	46.7
215	47.3	29.7	69.7

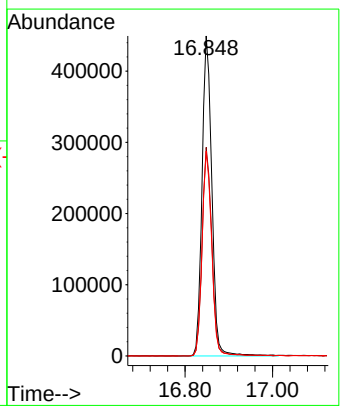


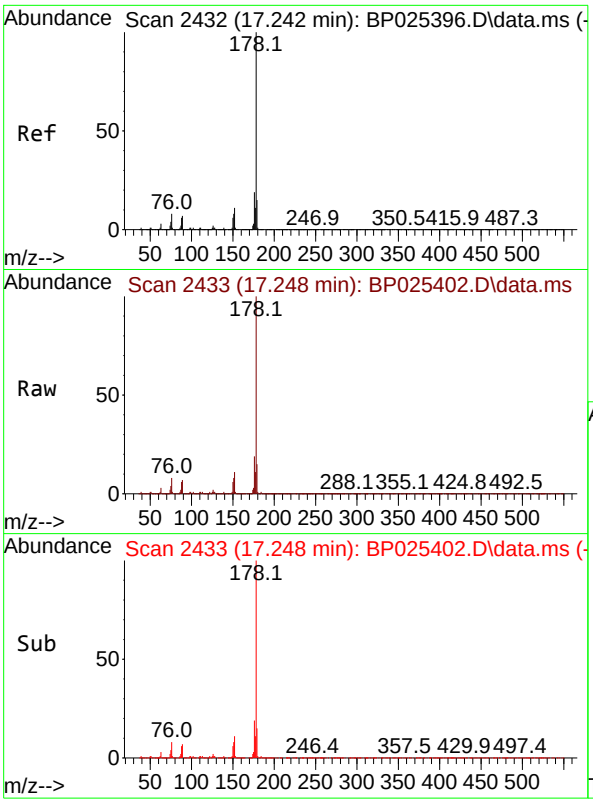


#70
Pentachlorophenol
Concen: 97.234 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:266 Resp: 700841

Ion	Ratio	Lower	Upper
266	100		
268	65.2	52.6	79.0
264	64.0	52.0	78.0



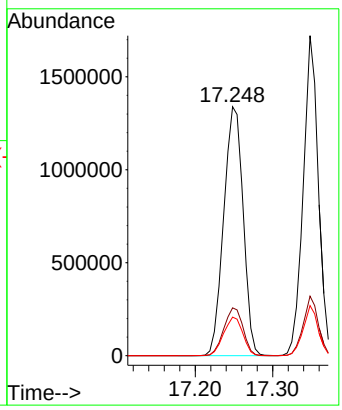


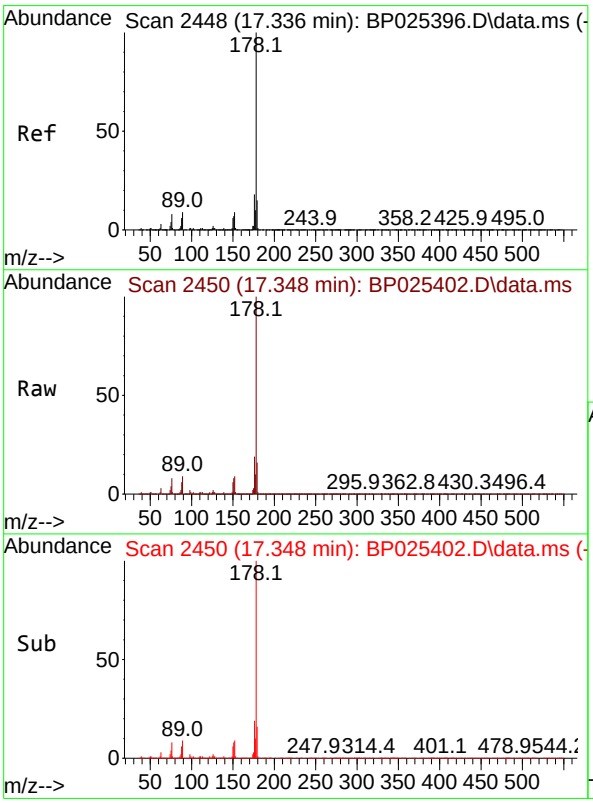
#71
Phenanthrene
Concen: 47.481 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:178 Resp: 2335980

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.2	18.4

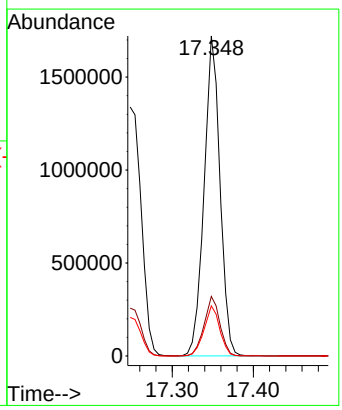


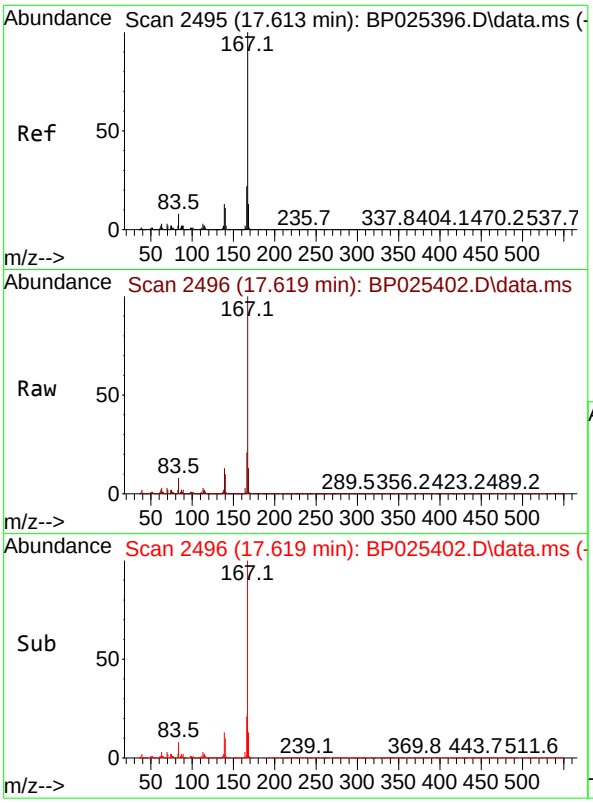


#72
Anthracene
Concen: 46.547 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:178 Resp: 2338590

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.7	12.2	18.2



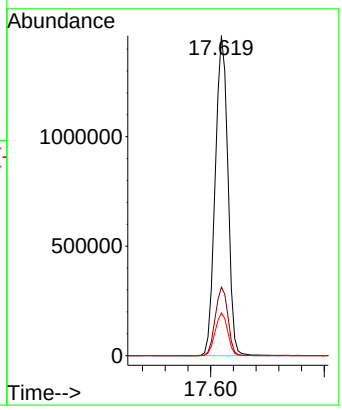


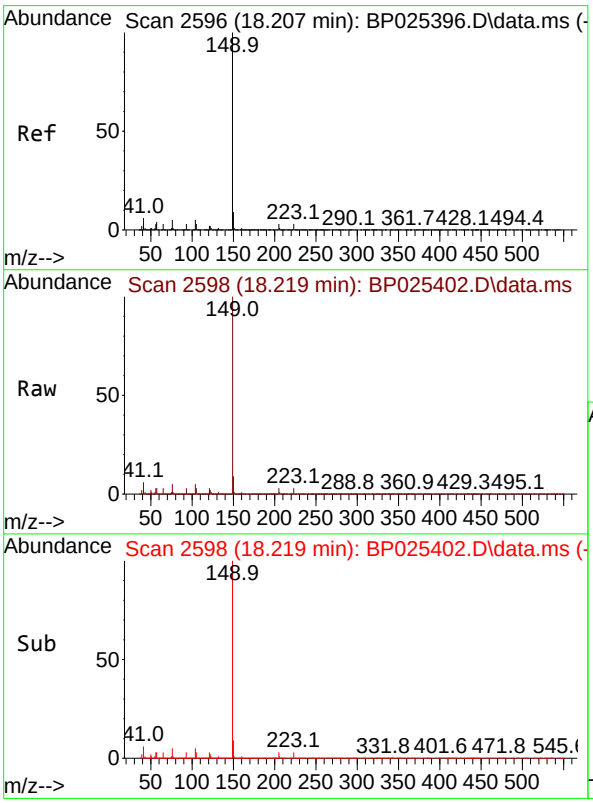
#73
Carbazole
Concen: 47.640 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:167 Resp: 2254500

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.3	10.6	16.0

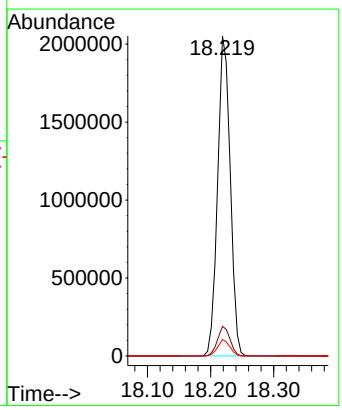


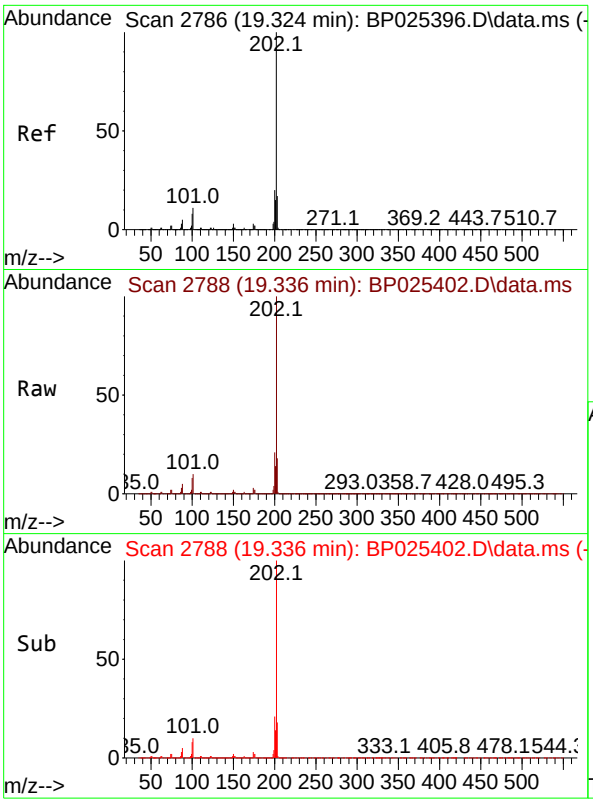


#74
Di-n-butylphthalate
Concen: 48.957 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 2850461

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2



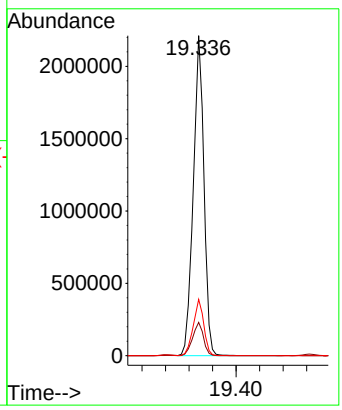


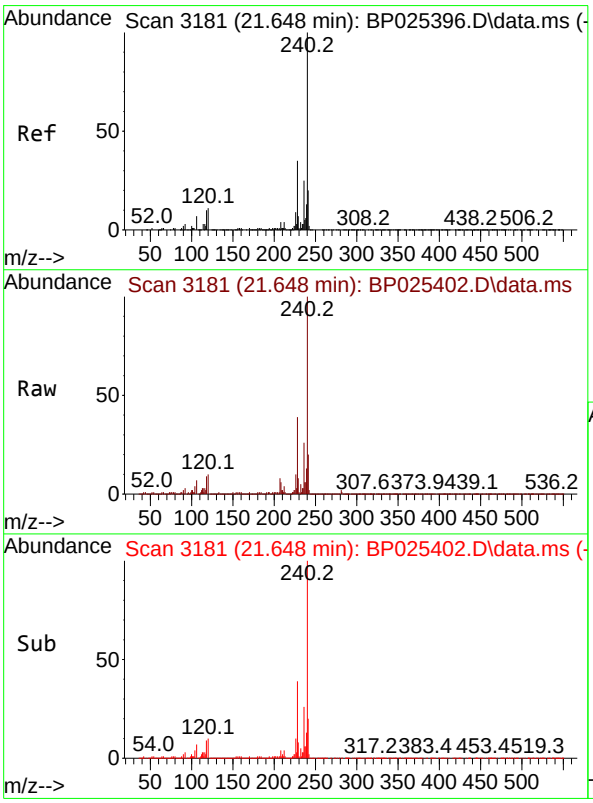
#75
Fluoranthene
Concen: 47.188 ng
RT: 19.336 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:202 Resp: 2769236

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.6	0.0	37.3

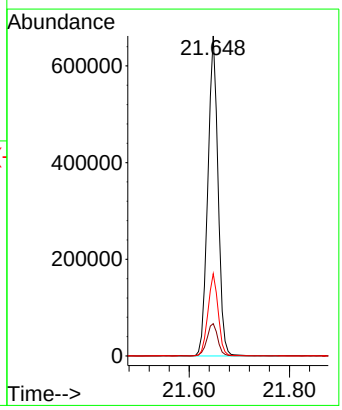


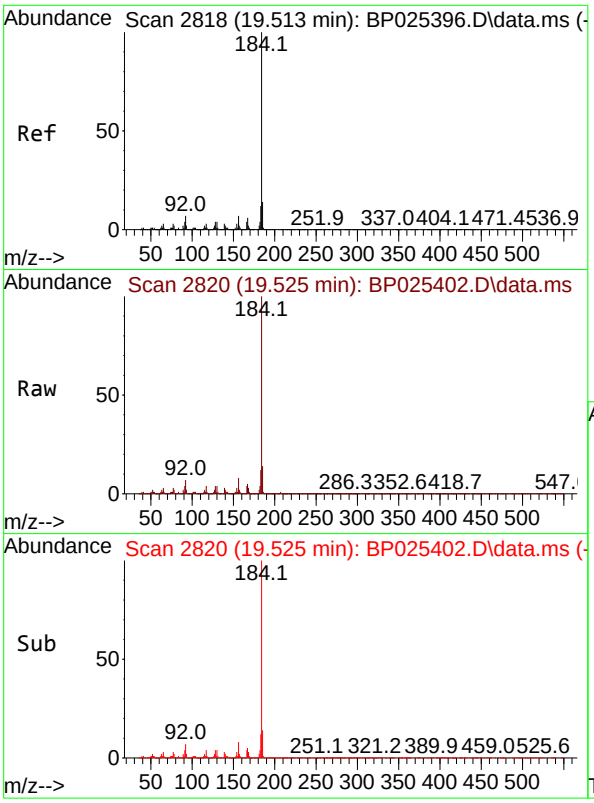


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:240 Resp: 937531

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.7	19.8	29.8



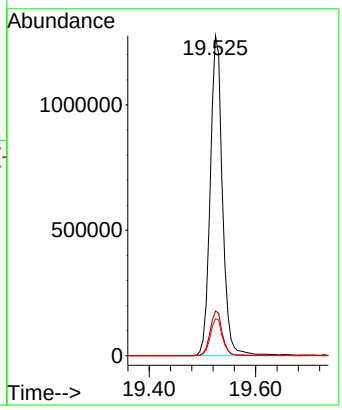


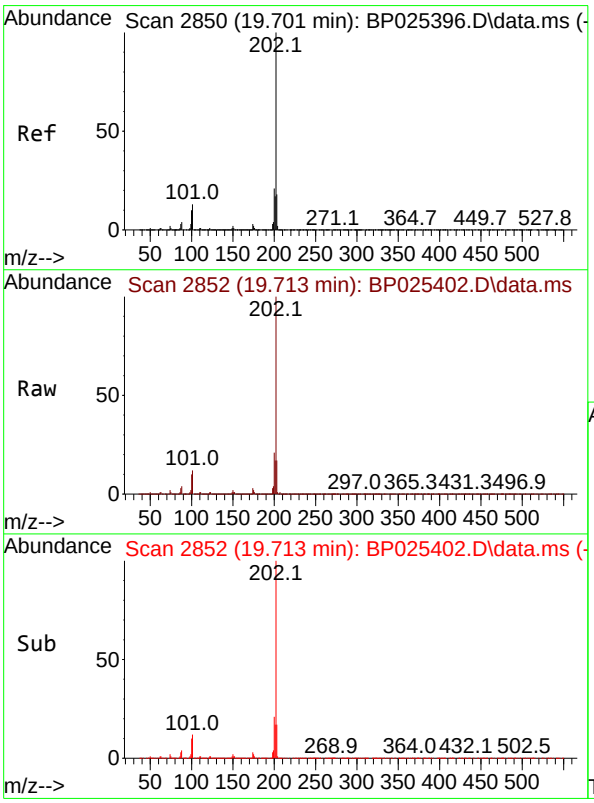
#77
Benzidine
Concen: 63.593 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:184 Resp: 2034719

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.5	9.4	14.2

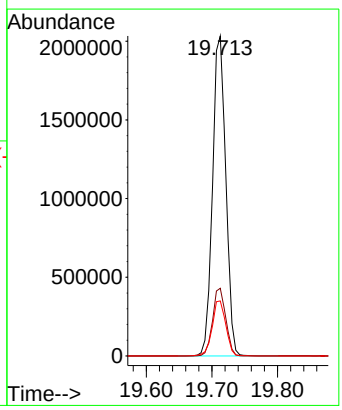


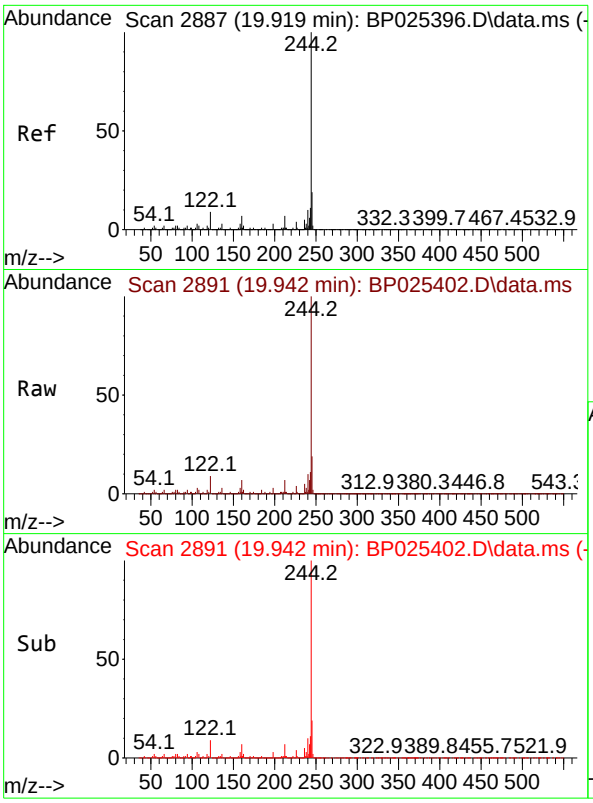


#78
Pyrene
Concen: 46.748 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:202 Resp: 2848697

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.2	14.2	21.2



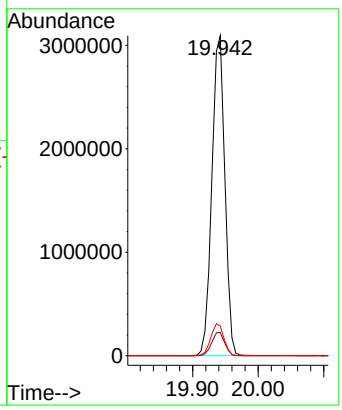


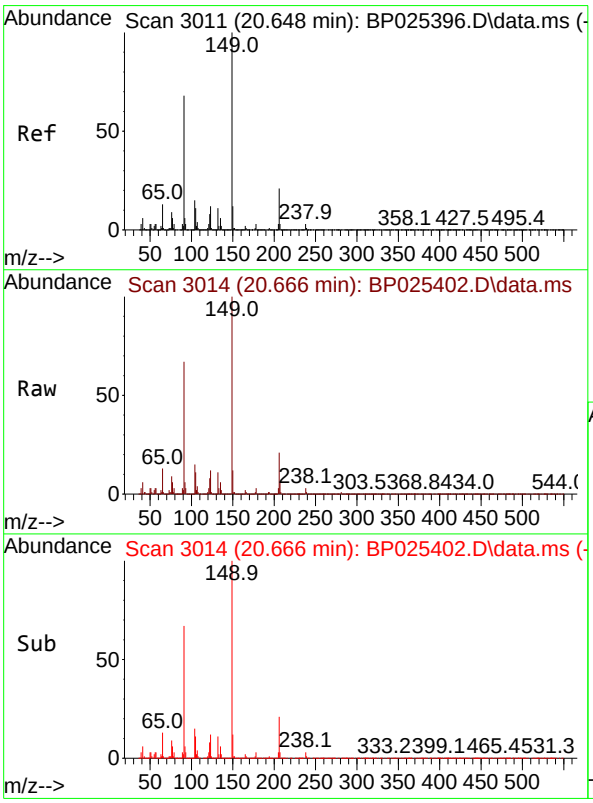
#79
Terphenyl-d14
Concen: 83.062 ng
RT: 19.942 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:244 Resp: 4256352

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.2	7.4	11.2

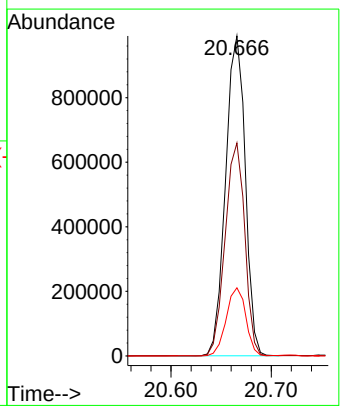


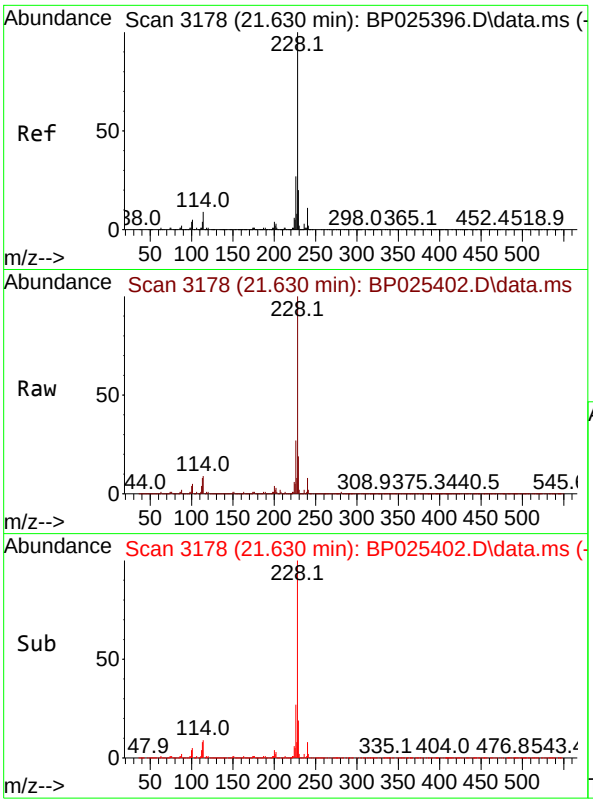


#80
Butylbenzylphthalate
Concen: 48.894 ng
RT: 20.666 min Scan# 3014
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1350312

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.2	81.2
206	21.3	16.6	24.8



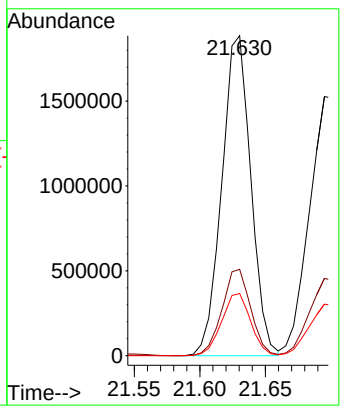


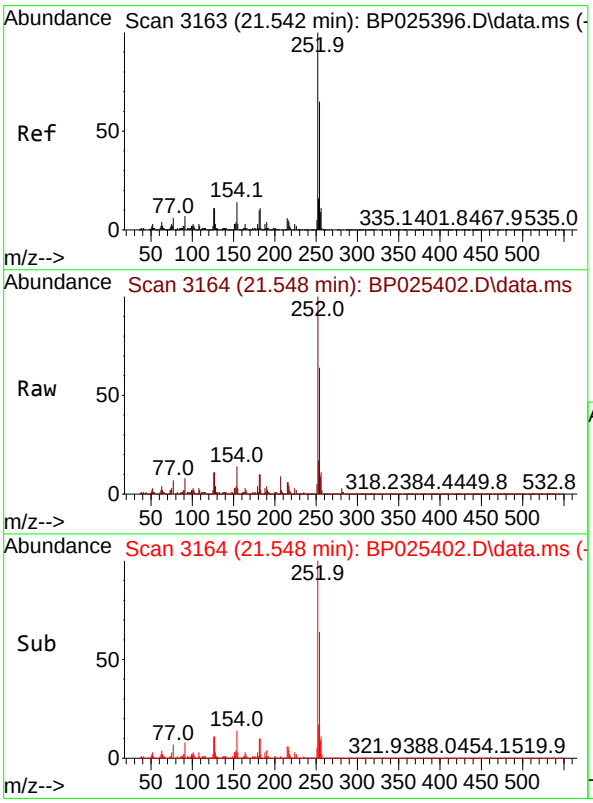
#81
Benzo(a)anthracene
Concen: 46.984 ng
RT: 21.630 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:228 Resp: 2905027

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4

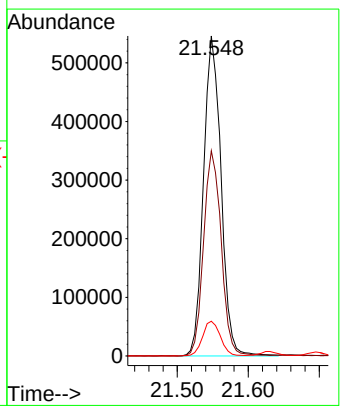


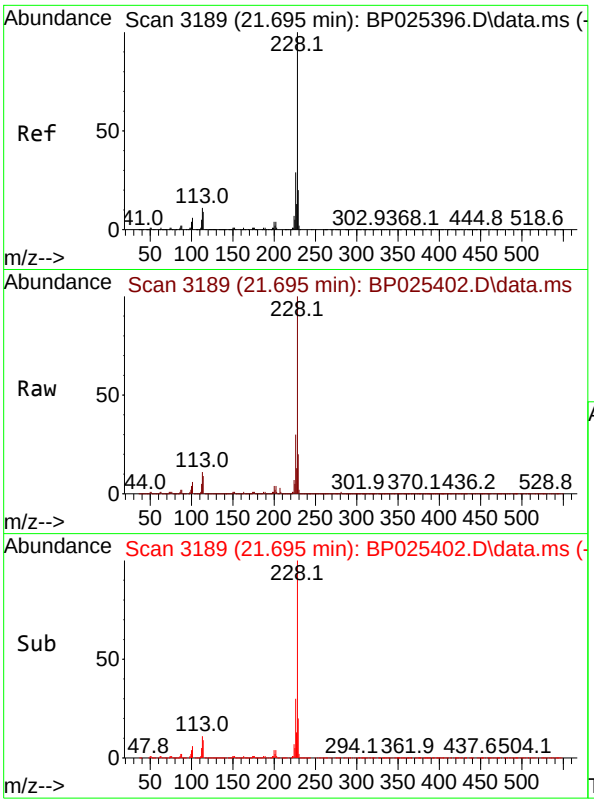


#82
3,3'-Dichlorobenzidine
Concen: 40.194 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 936735

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	10.9	9.1	13.7



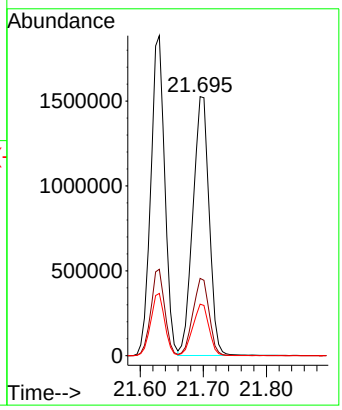


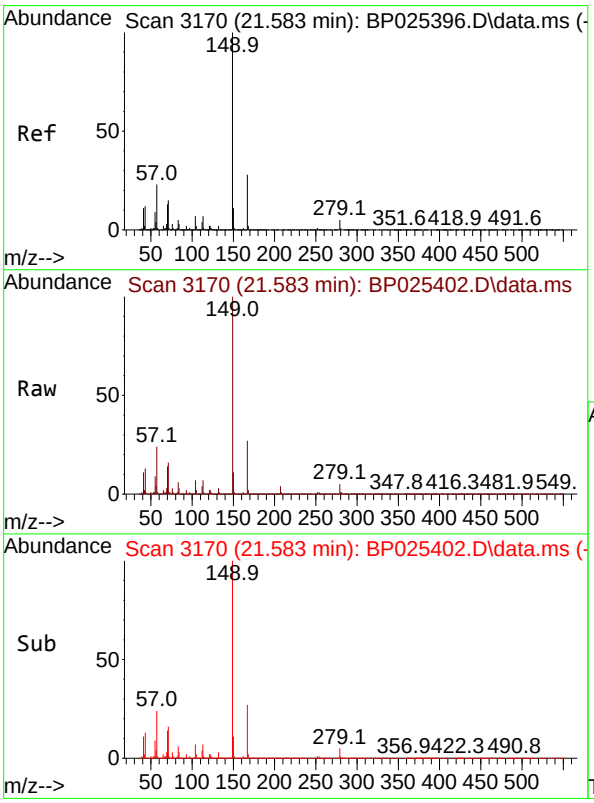
#83
Chrysene
Concen: 47.211 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:228 Resp: 2733737

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	19.9	15.6	23.4

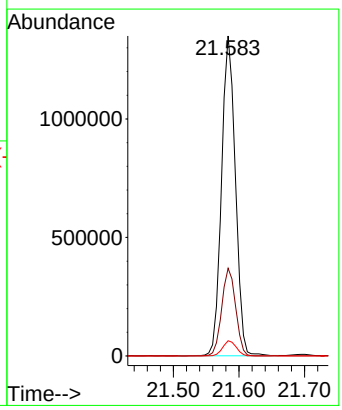


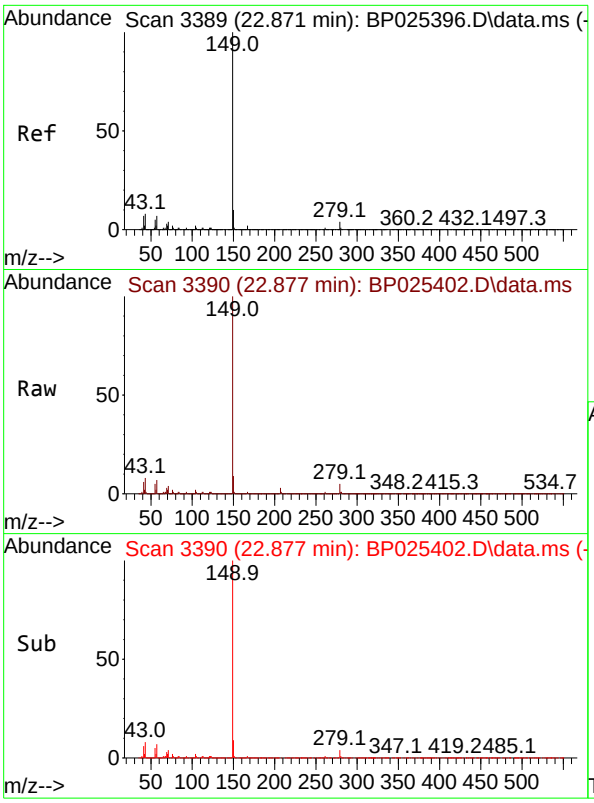


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.532 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.000 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:149 Resp: 1973001

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.7	3.8	5.6



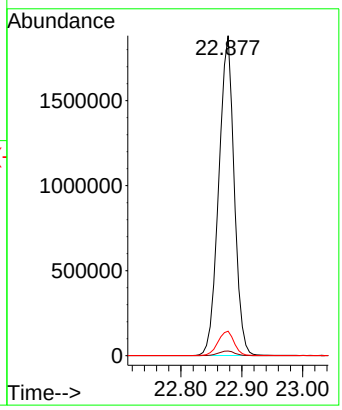


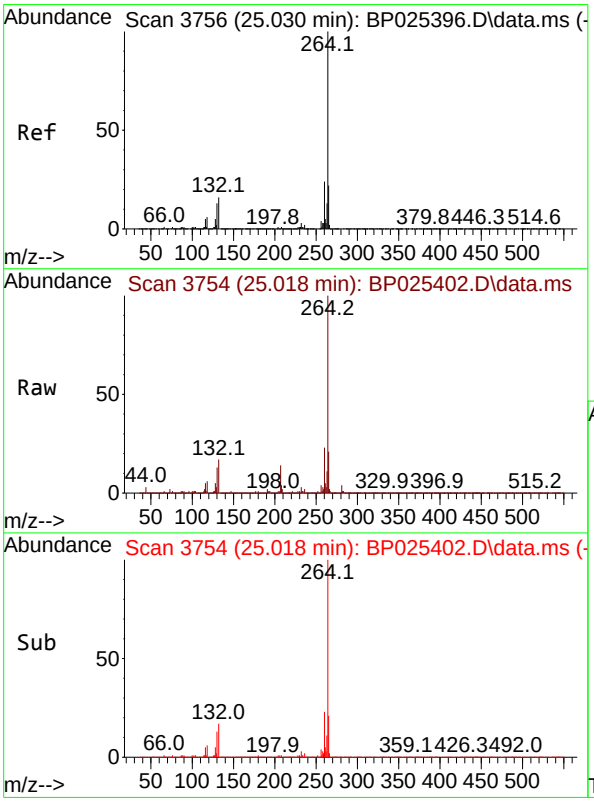
#85
Di-n-octyl phthalate
Concen: 47.320 ng
RT: 22.877 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:149 Resp: 3308927

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

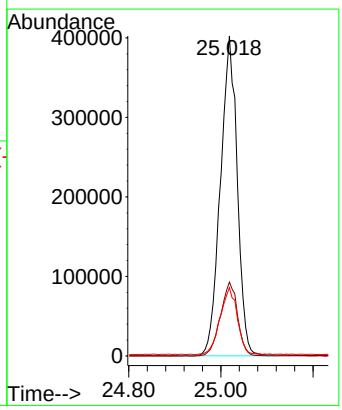


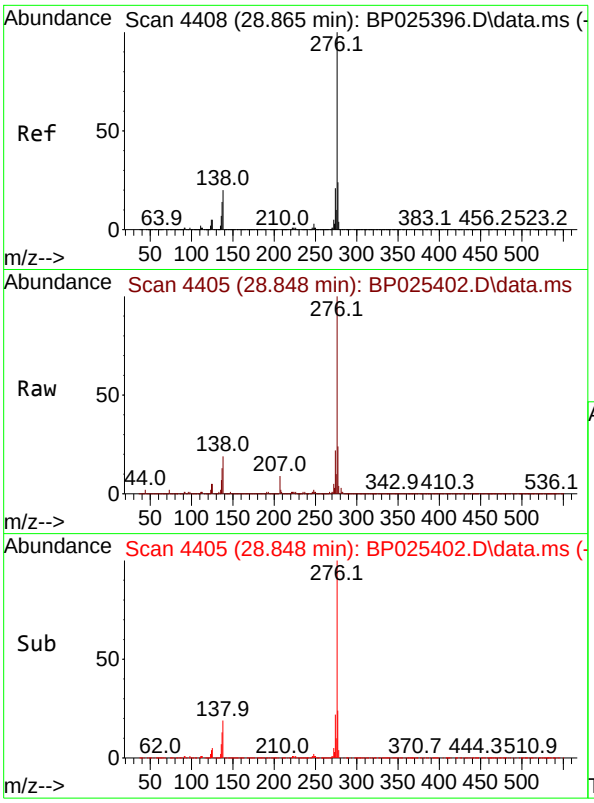


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:264 Resp: 1016818

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.3	28.9
265	21.3	17.4	26.0



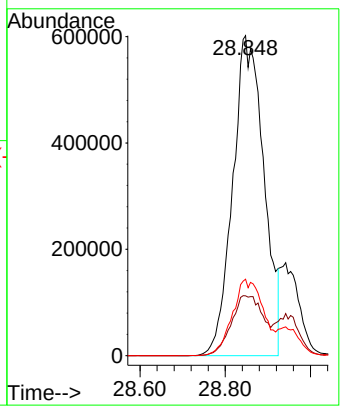


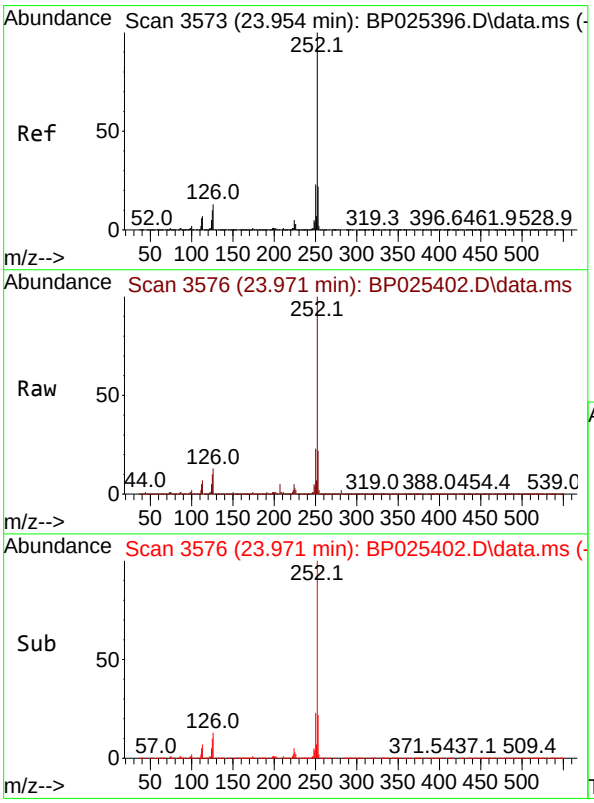
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.014 ng
RT: 28.848 min Scan# 44
Delta R.T. -0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:276 Resp: 3058393

Ion	Ratio	Lower	Upper
276	100		
138	19.2	12.9	19.3
277	23.9	17.0	25.6

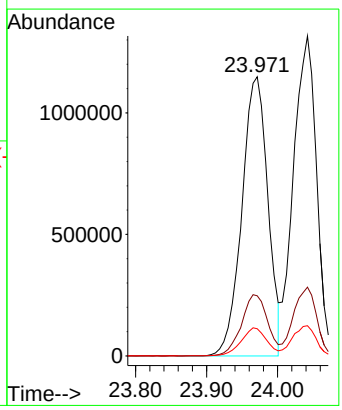


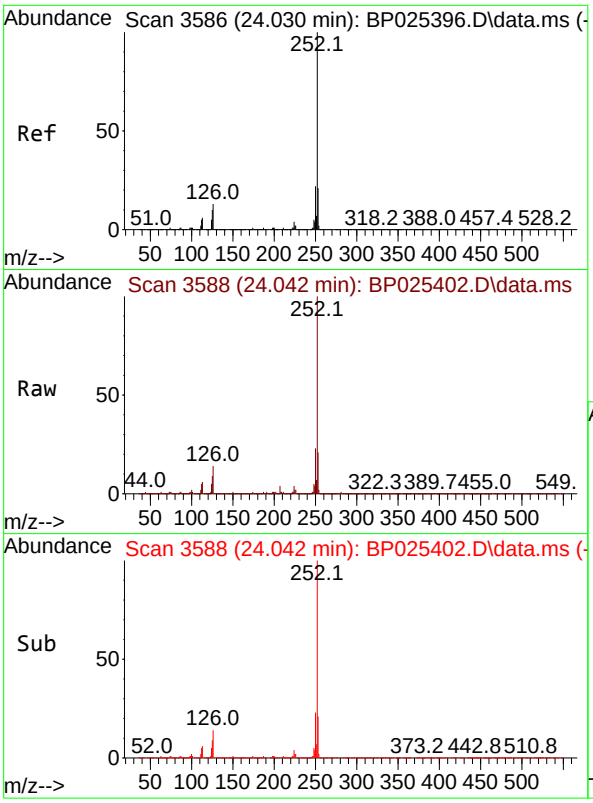


#88
Benzo(b)fluoranthene
Concen: 48.676 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 2918542

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	9.7	7.9	11.9



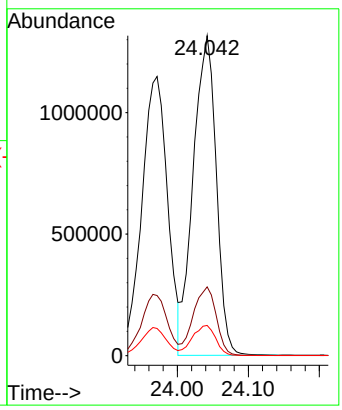


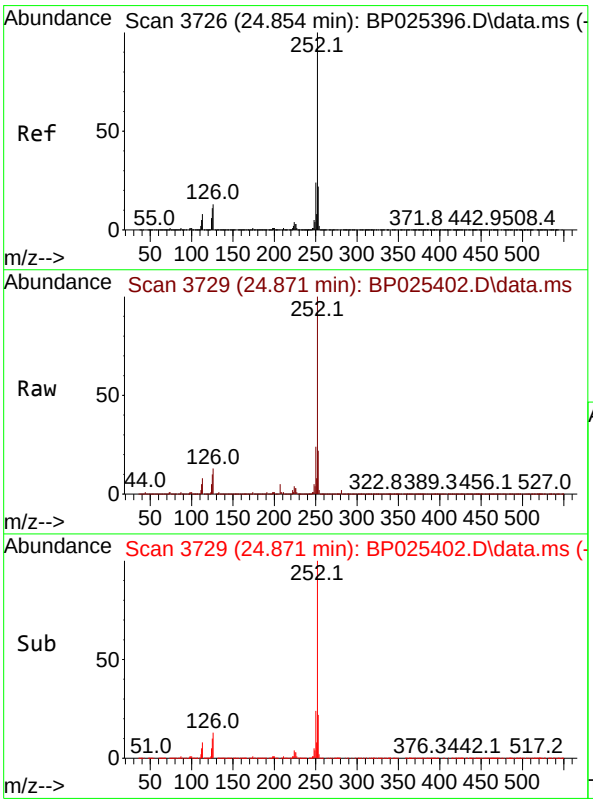
#89
Benzo(k)fluoranthene
Concen: 49.456 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:252 Resp: 2967349

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	9.5	7.8	11.6

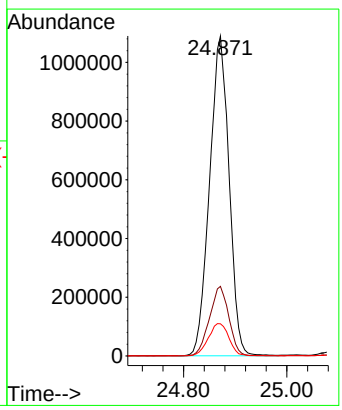


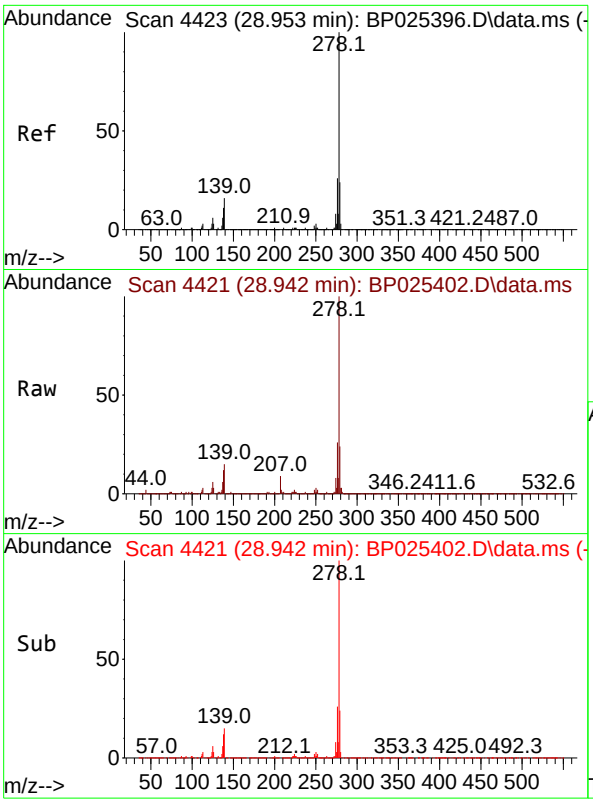


#90
Benzo(a)pyrene
Concen: 48.899 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:252 Resp: 2854031

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.1	8.7	13.1



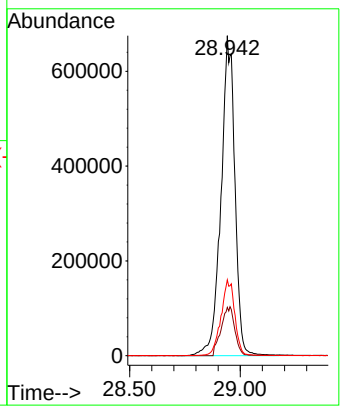


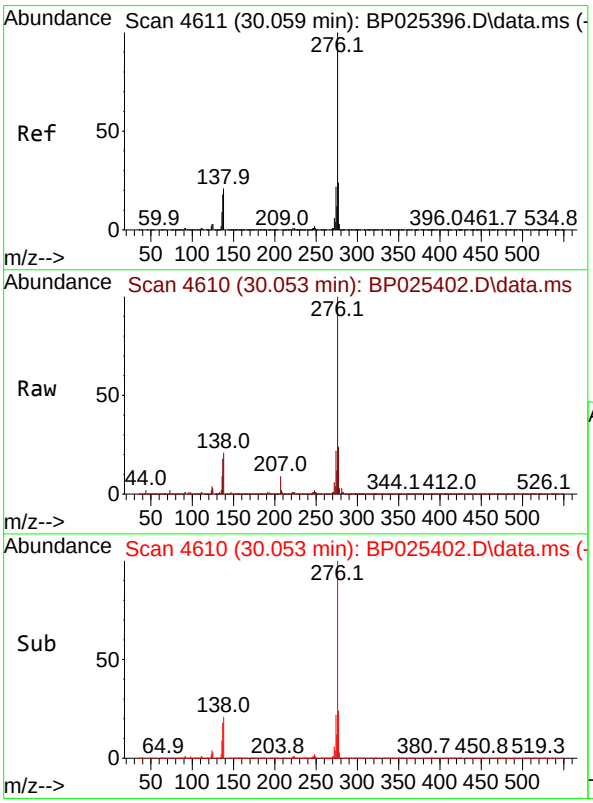
#91
Dibenzo(a,h)anthracene
Concen: 48.354 ng
RT: 28.942 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Instrument :
BNA_P
ClientSampleId :
PB169210BS

Tgt Ion:278 Resp: 2946612

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.7	19.4	29.2

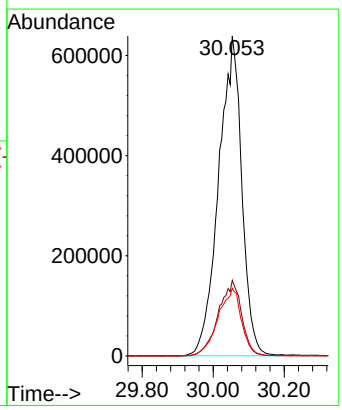




#92
Benzo(g,h,i)perylene
Concen: 48.068 ng
RT: 30.053 min Scan# 4610
Delta R.T. -0.006 min
Lab File: BP025402.D
Acq: 14 Aug 2025 20:10

Tgt Ion:276 Resp: 2879368

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	21.1	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	143656	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	631599	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	420815	20.000	ng	-0.01
64) Phenanthrene-d10	17.195	188	861562	20.000	ng	0.00
76) Chrysene-d12	21.654	240	877131	20.000	ng	0.00
86) Perylene-d12	25.018	264	1001441	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	753228	87.075	ng	0.00
7) Phenol-d6	6.966	99	998308	90.015	ng	0.00
23) Nitrobenzene-d5	8.931	82	1081597	86.626	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	505840	89.305	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2575898	83.658	ng	0.00
79) Terphenyl-d14	19.925	244	4003165	83.500	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.337	88	141496	41.760	ng	99
3) Pyridine	3.731	79	395457	42.641	ng	99
4) n-Nitrosodimethylamine	3.637	42	168336	44.027	ng	98
6) Aniline	7.125	93	668458	44.735	ng	100
8) 2-Chlorophenol	7.366	128	430913	44.144	ng	99
9) Benzaldehyde	6.943	77	374459	48.192	ng	99
10) Phenol	6.996	94	522320	44.883	ng	99
11) bis(2-Chloroethyl)ether	7.219	93	399198	44.011	ng	100
12) 1,3-Dichlorobenzene	7.684	146	463334	43.046	ng	99
13) 1,4-Dichlorobenzene	7.825	146	472656	42.962	ng	99
14) 1,2-Dichlorobenzene	8.143	146	455279	42.750	ng	98
15) Benzyl Alcohol	8.025	79	397334	45.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	533952	43.944	ng	99
17) 2-Methylphenol	8.225	107	370890	45.888	ng	98
18) Hexachloroethane	8.866	117	173722	42.947	ng	99
19) n-Nitroso-di-n-propyla...	8.590	70	329539	44.859	ng	99
20) 3+4-Methylphenols	8.549	107	509960	45.518	ng	96
22) Acetophenone	8.602	105	676089	42.684	ng	100
24) Nitrobenzene	8.972	77	479956	43.012	ng	98
25) Isophorone	9.496	82	954875	43.214	ng	99
26) 2-Nitrophenol	9.678	139	253040	44.186	ng	96
27) 2,4-Dimethylphenol	9.737	122	432058	43.871	ng	100
28) bis(2-Chloroethoxy)met...	9.972	93	566435	42.408	ng	98
29) 2,4-Dichlorophenol	10.213	162	426329	43.578	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	448415	41.812	ng	98
31) Naphthalene	10.613	128	1391503	42.388	ng	100
32) Benzoic acid	9.878	122	321598	44.232	ng	99
33) 4-Chloroaniline	10.707	127	635837	43.849	ng	99
34) Hexachlorobutadiene	10.902	225	277933	41.613	ng	98
35) Caprolactam	11.496	113	159139	44.362	ng	96
36) 4-Chloro-3-methylphenol	11.831	107	501026	44.631	ng	97
37) 2-Methylnaphthalene	12.219	142	909696	42.582	ng	99
38) 1-Methylnaphthalene	12.437	142	972063	42.786	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	517974	42.619	ng	99
41) Hexachlorocyclopentadiene	12.566	237	331437	45.147	ng	98
43) 2,4,6-Trichlorophenol	12.825	196	364316	44.402	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	398216	44.283	ng		99
46) 1,1'-Biphenyl	13.231	154	1324483	43.338	ng		99
47) 2-Chloronaphthalene	13.272	162	1028320	43.221	ng		99
48) 2-Nitroaniline	13.466	65	314525	45.370	ng		100
49) Acenaphthylene	14.119	152	1728273	43.899	ng		100
50) Dimethylphthalate	13.854	163	1346941	43.709	ng		100
51) 2,6-Dinitrotoluene	13.966	165	294644	45.364	ng		98
52) Acenaphthene	14.466	154	984150	42.587	ng		99
53) 3-Nitroaniline	14.295	138	327806	44.858	ng		99
54) 2,4-Dinitrophenol	14.507	184	167222	48.211	ng		96
55) Dibenzofuran	14.801	168	1580372	43.256	ng		99
56) 4-Nitrophenol	14.613	139	270955	45.122	ng		99
57) 2,4-Dinitrotoluene	14.760	165	425555	45.922	ng		99
58) Fluorene	15.460	166	1228185	42.602	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	352921	44.447	ng		99
60) Diethylphthalate	15.243	149	1365325	43.604	ng		99
61) 4-Chlorophenyl-phenyle...	15.454	204	608316	42.427	ng		97
62) 4-Nitroaniline	15.472	138	337032	44.988	ng		99
63) Azobenzene	15.754	77	1178128	43.941	ng		99
65) 4,6-Dinitro-2-methylph...	15.537	198	243710	45.379	ng		97
66) n-Nitrosodiphenylamine	15.678	169	1111834	42.319	ng		99
67) 4-Bromophenyl-phenylether	16.372	248	403225	42.554	ng		96
68) Hexachlorobenzene	16.489	284	463895	42.233	ng		97
69) Atrazine	16.654	200	424688	43.163	ng		98
70) Pentachlorophenol	16.837	266	308191	44.448	ng		98
71) Phenanthrene	17.242	178	2002433	42.309	ng		100
72) Anthracene	17.342	178	2069708	42.823	ng		100
73) Carbazole	17.613	167	1948636	42.804	ng		100
74) Di-n-butylphthalate	18.213	149	2382369	42.535	ng		100
75) Fluoranthene	19.325	202	2383806	42.225	ng		99
77) Benzidine	19.525	184	1470206	49.114	ng		99
78) Pyrene	19.701	202	2474163	43.398	ng		100
80) Butylbenzylphthalate	20.660	149	1119526	43.329	ng		99
81) Benzo(a)anthracene	21.630	228	2512405	43.432	ng		100
82) 3,3'-Dichlorobenzidine	21.548	252	936326	42.943	ng		99
83) Chrysene	21.701	228	2331047	43.029	ng		99
84) Bis(2-ethylhexyl)phtha...	21.572	149	1605733	42.217	ng		100
85) Di-n-octyl phthalate	22.866	149	2788155	42.618	ng		100
87) Indeno(1,2,3-cd)pyrene	28.836	276	2665949	36.300	ng	#	93
88) Benzo(b)fluoranthene	23.942	252	2555118	43.269	ng		99
89) Benzo(k)fluoranthene	24.013	252	2547012	43.102	ng		100
90) Benzo(a)pyrene	24.854	252	2500332	43.497	ng		99
91) Dibenzo(a,h)anthracene	28.948	278	2591787	43.184	ng		98
92) Benzo(g,h,i)perylene	30.024	276	2529115	42.869	ng		99

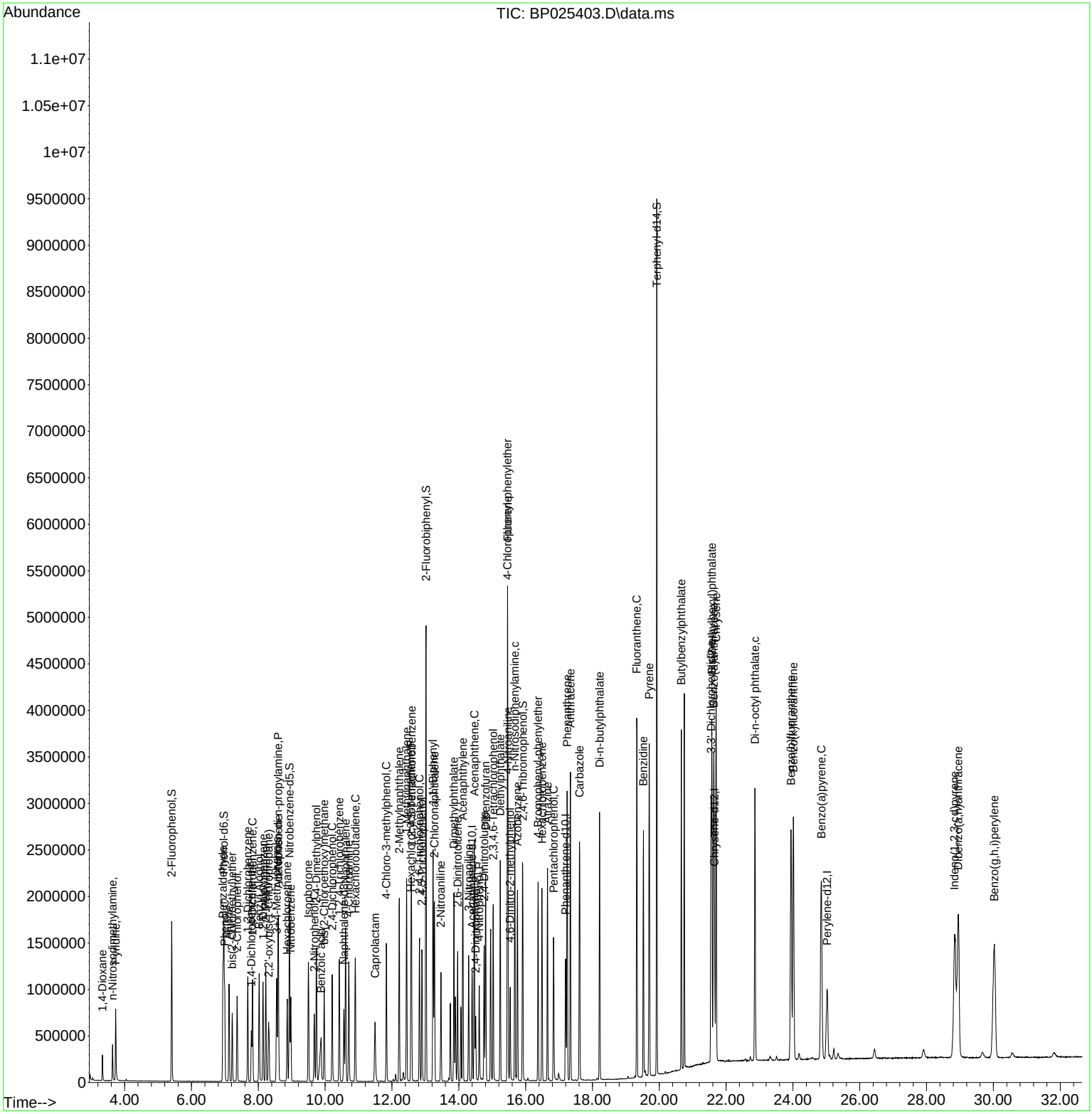
(#) = qualifier out of range (m) = manual integration (+) = signals summed

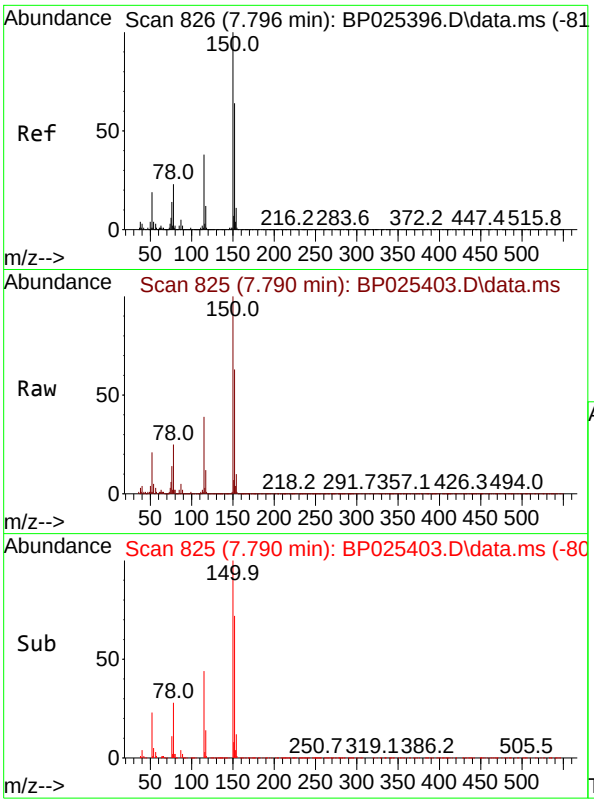
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025403.D
Acq On : 14 Aug 2025 20:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 01:37:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



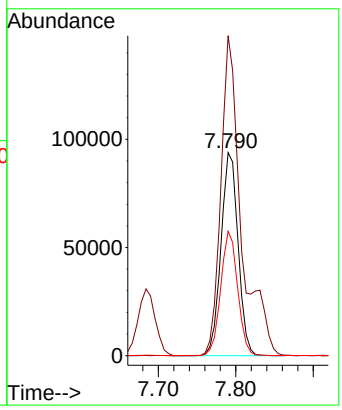


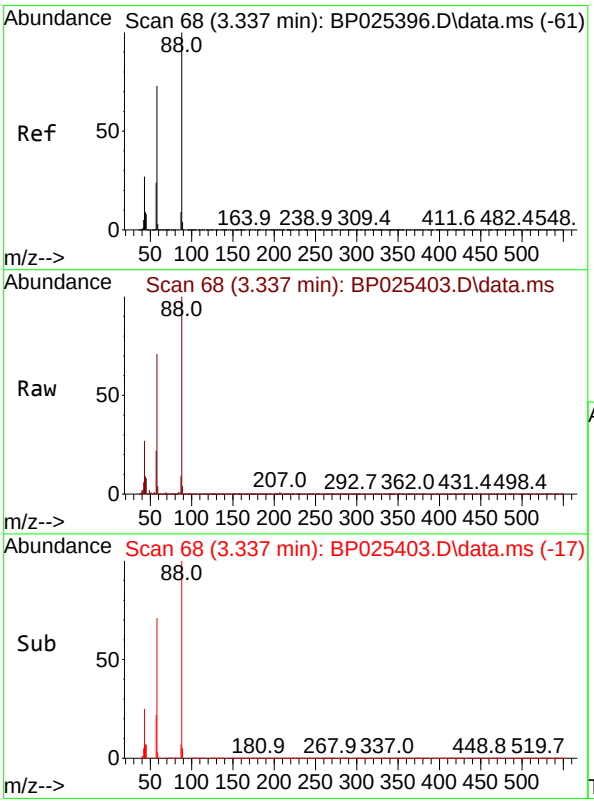
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 143656

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	61.2	48.5	72.7

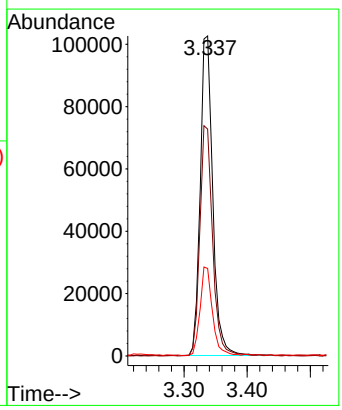


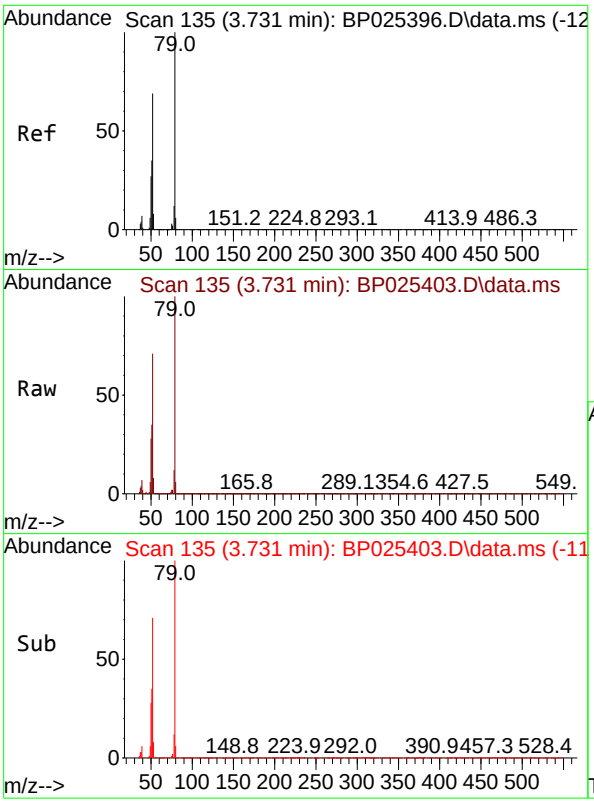


#2
1,4-Dioxane
Concen: 41.760 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 88 Resp: 141496

Ion	Ratio	Lower	Upper
88	100		
58	73.5	59.2	88.8
43	27.3	21.7	32.5



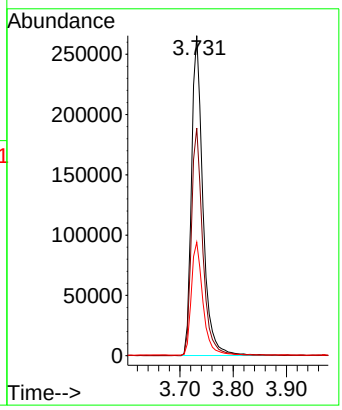


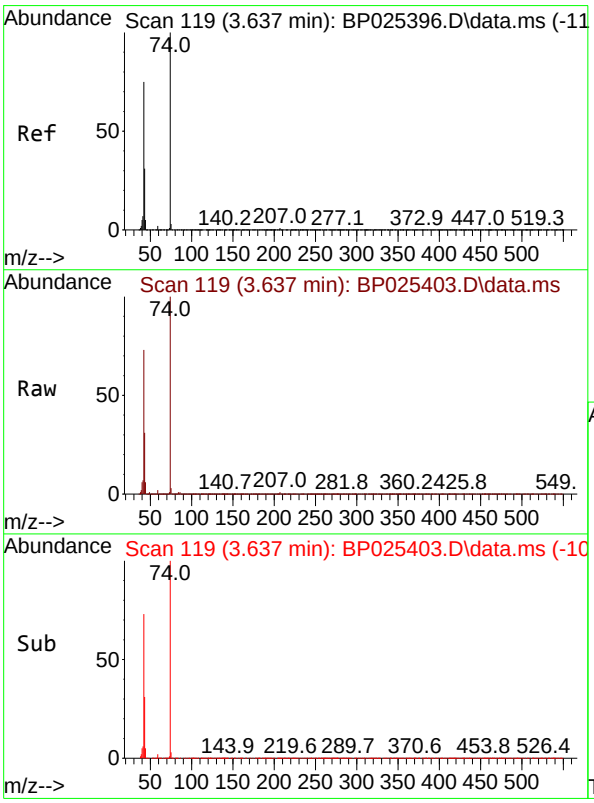
#3
Pyridine
Concen: 42.641 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 395457

Ion	Ratio	Lower	Upper
79	100		
52	71.2	55.5	83.3
51	35.5	28.3	42.5

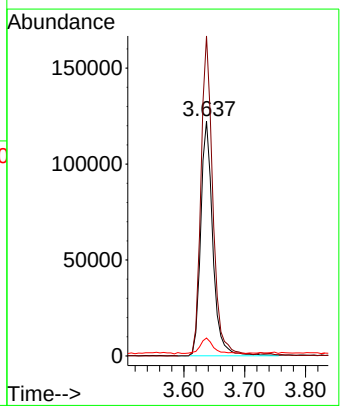


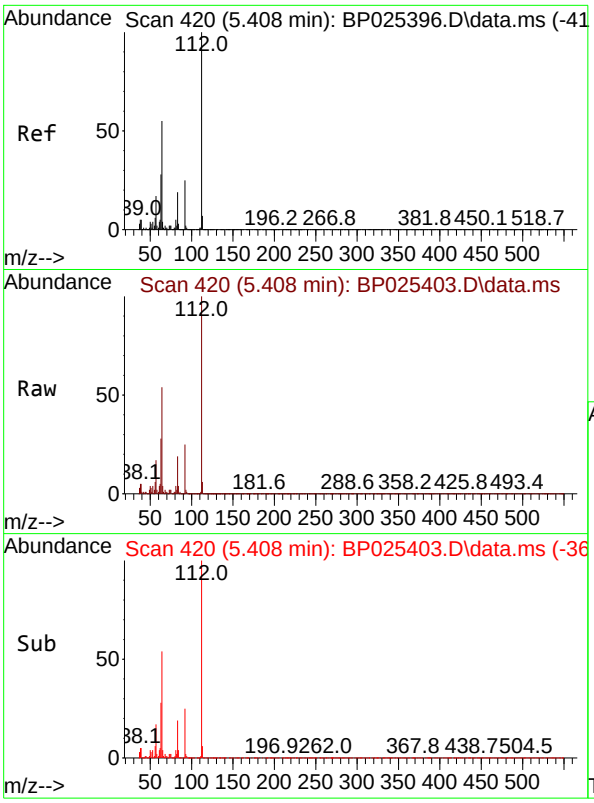


#4
n-Nitrosodimethylamine
Concen: 44.027 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 42 Resp: 168336

Ion	Ratio	Lower	Upper
42	100		
74	136.3	107.0	160.4
44	7.6	6.2	9.4



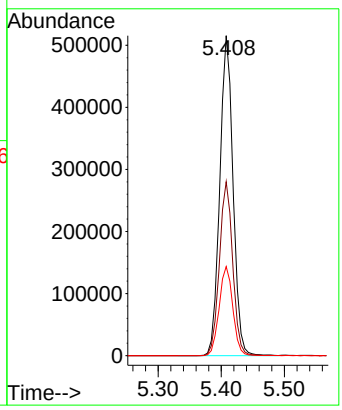


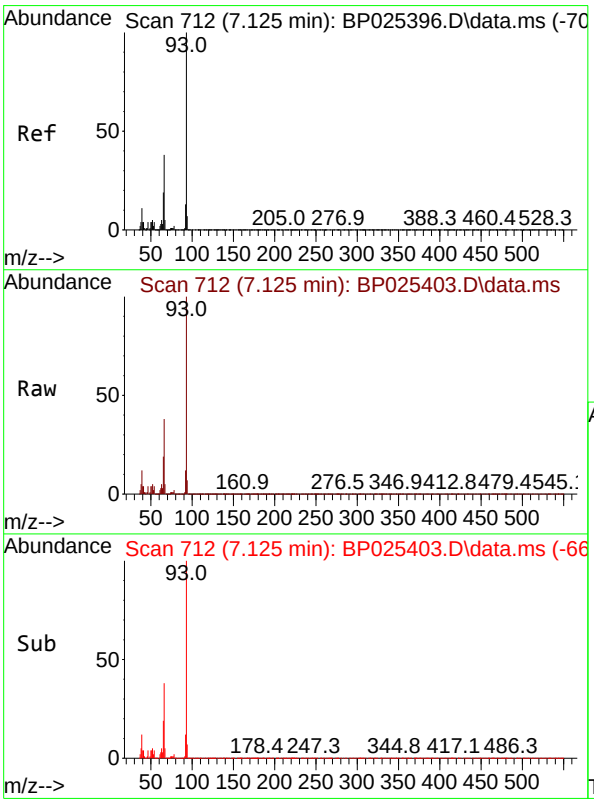
#5
2-Fluorophenol
Concen: 87.075 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 753228

Ion	Ratio	Lower	Upper
112	100		
64	54.4	43.8	65.8
63	27.8	22.7	34.1

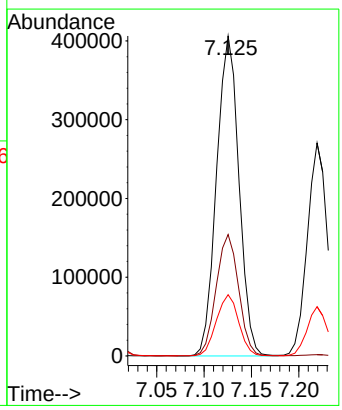


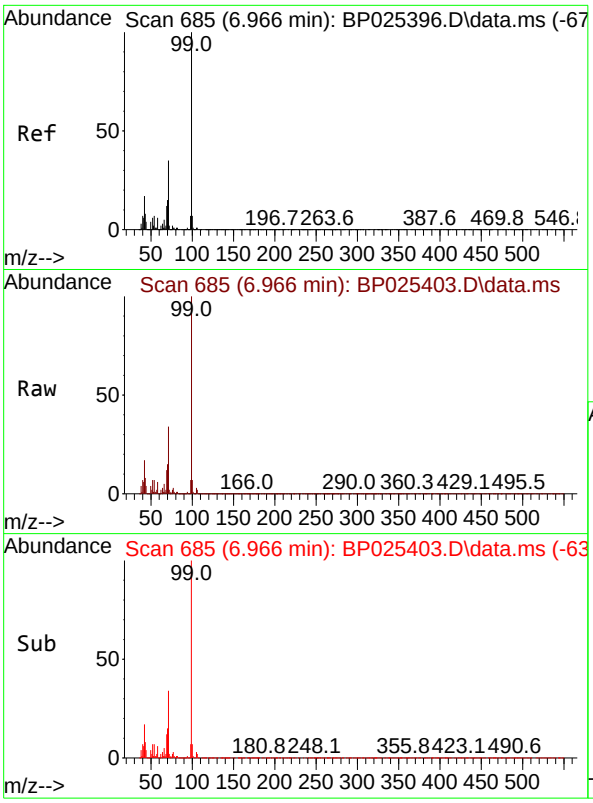


#6
Aniline
Concen: 44.735 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 93 Resp: 668458

Ion	Ratio	Lower	Upper
93	100		
66	38.0	30.4	45.6
65	19.2	15.3	22.9



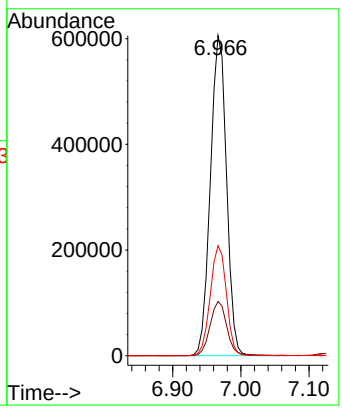


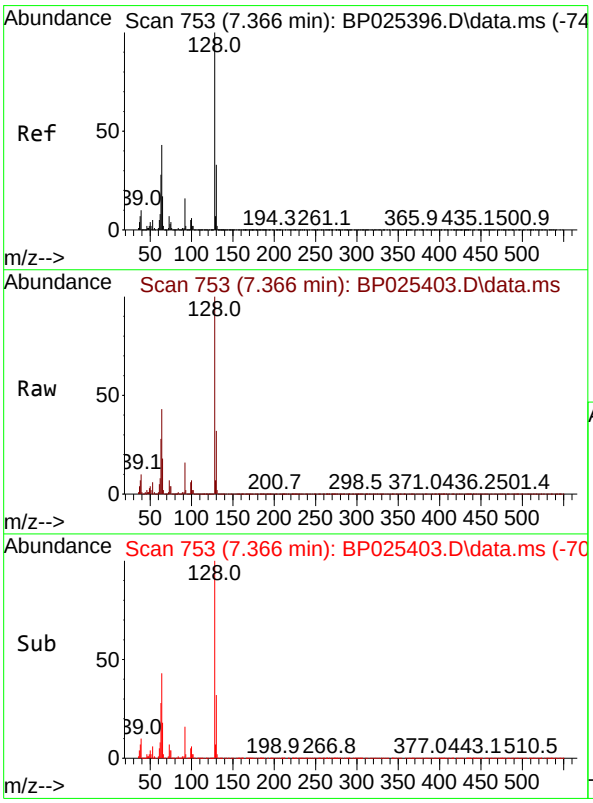
#7
Phenol-d6
Concen: 90.015 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 998308

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	34.4	28.2	42.4

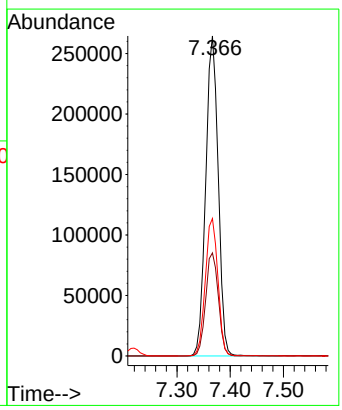


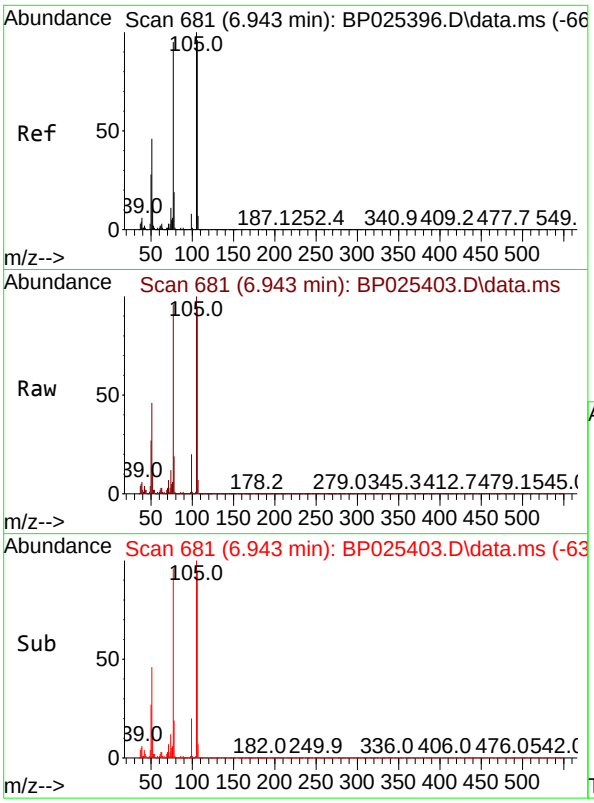


#8
2-Chlorophenol
Concen: 44.144 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:128 Resp: 430913

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	43.0	23.4	63.4



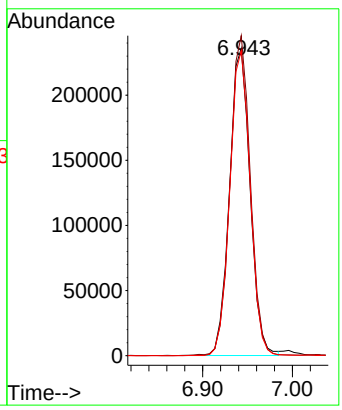


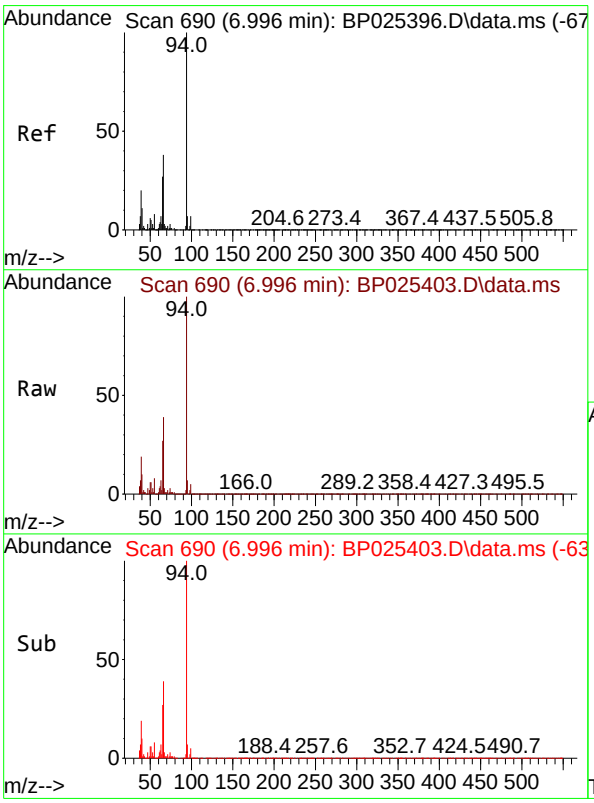
#9
Benzaldehyde
Concen: 48.192 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 374459

Ion	Ratio	Lower	Upper
77	100		
105	104.1	84.8	124.8
106	99.2	80.5	120.5

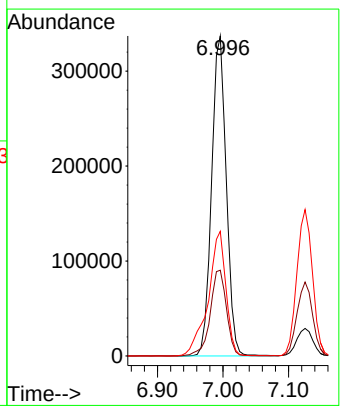


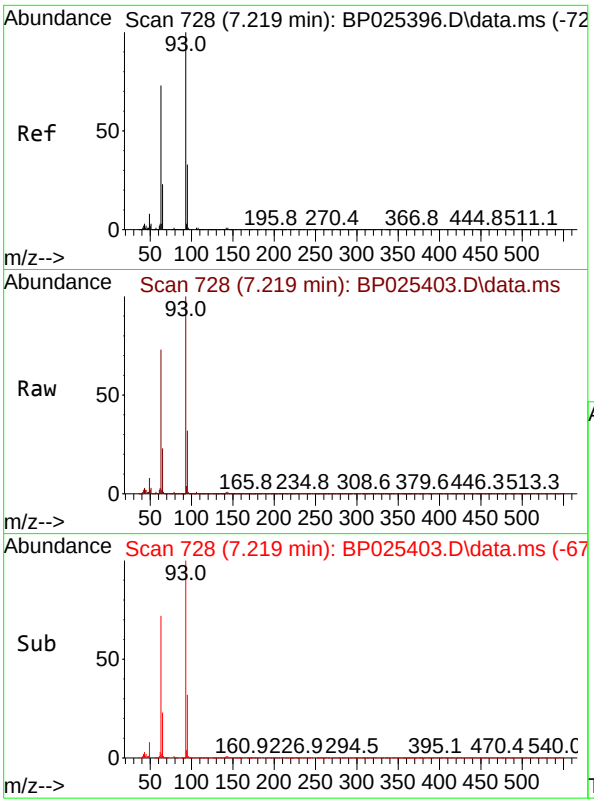


#10
Phenol
Concen: 44.883 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 94 Resp: 522320

Ion	Ratio	Lower	Upper
94	100		
65	26.8	6.8	46.8
66	38.9	18.2	58.2



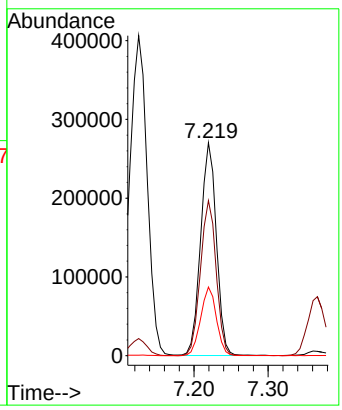


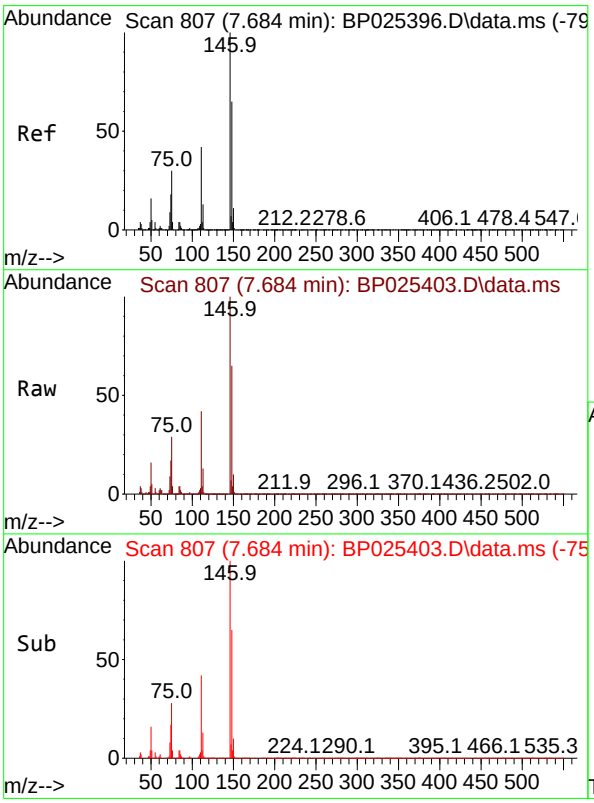
#11
bis(2-Chloroethyl)ether
Concen: 44.011 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 399198

Ion	Ratio	Lower	Upper
93	100		
63	72.7	52.6	92.6
95	32.2	12.7	52.7

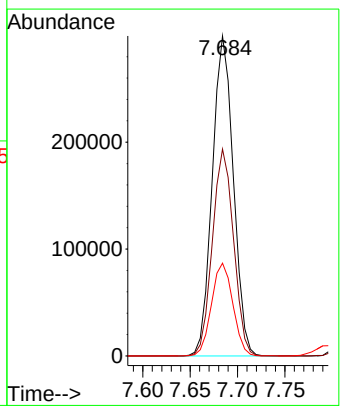


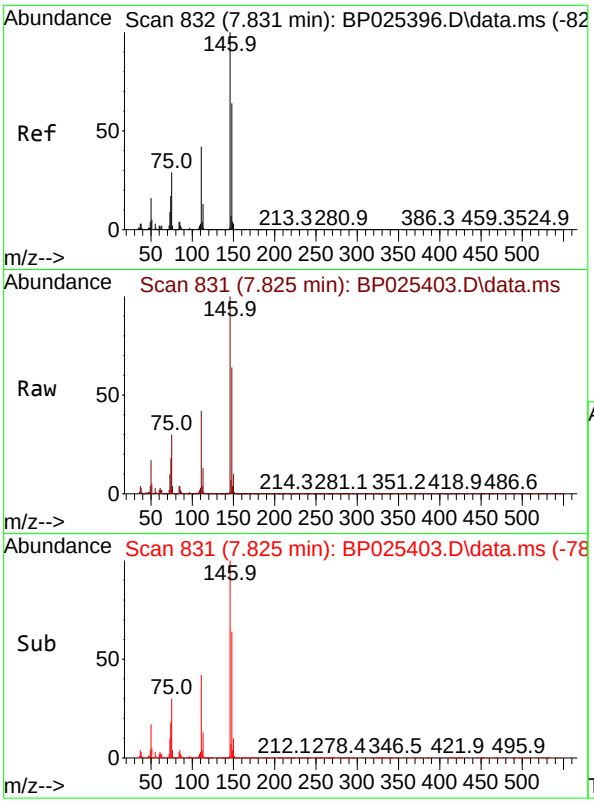


#12
1,3-Dichlorobenzene
Concen: 43.046 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:146 Resp: 463334

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	29.0	23.7	35.5



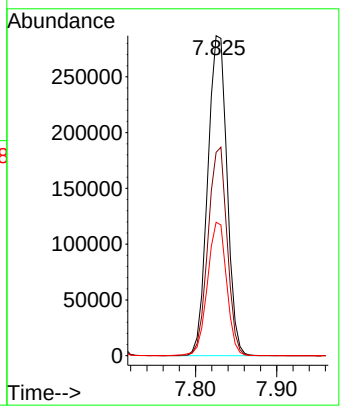


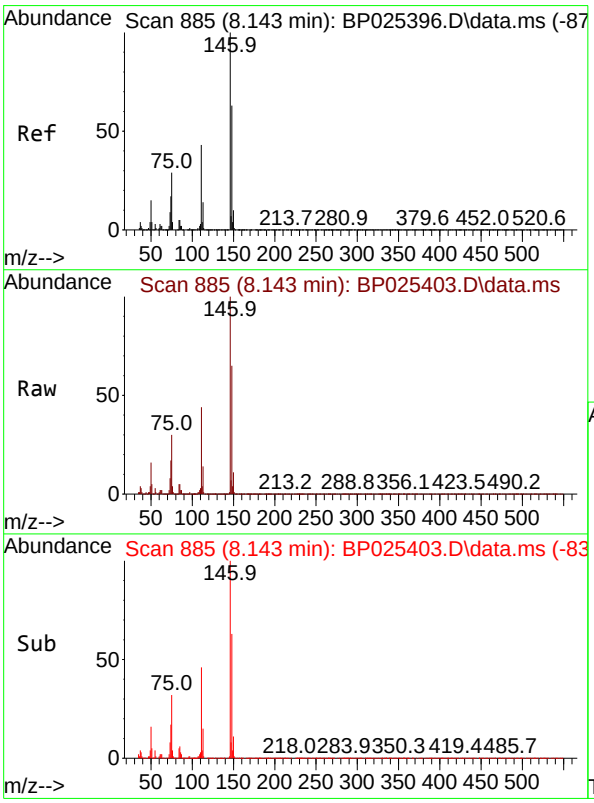
#13
1,4-Dichlorobenzene
Concen: 42.962 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 472656

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	41.7	33.4	50.0

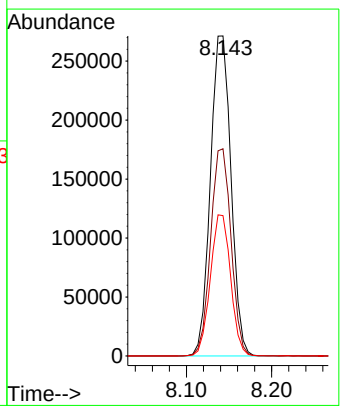


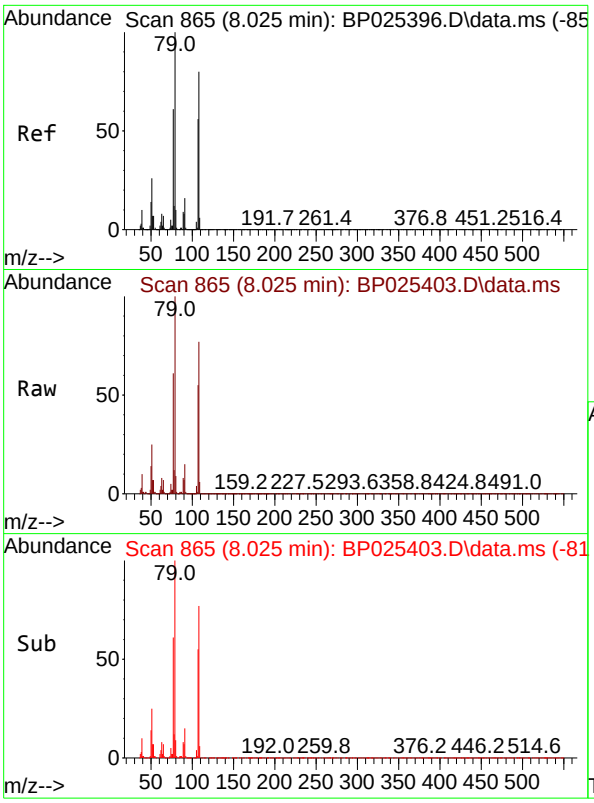


#14
1,2-Dichlorobenzene
Concen: 42.750 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:146 Resp: 455279

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	43.8	34.5	51.7



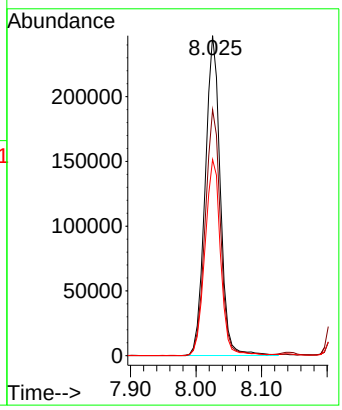


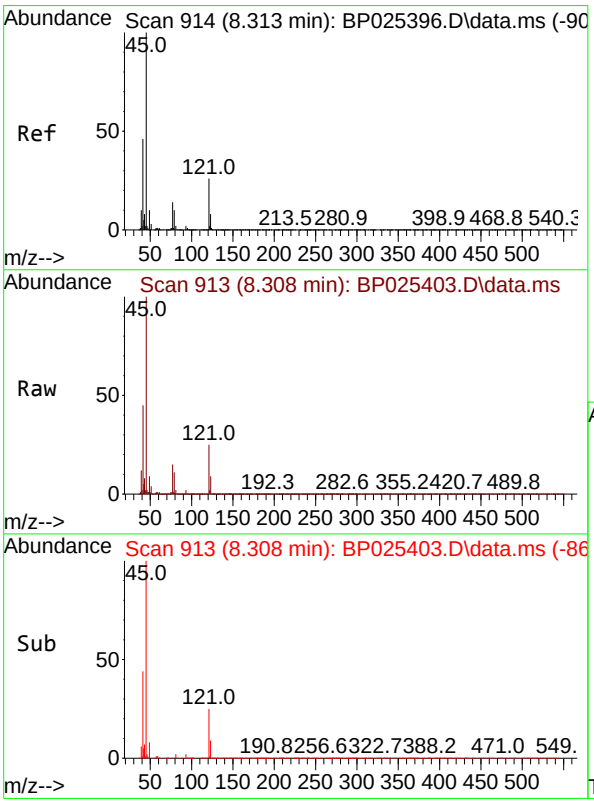
#15
Benzyl Alcohol
Concen: 45.090 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 397334

Ion	Ratio	Lower	Upper
79	100		
108	76.9	63.8	95.6
77	61.3	49.0	73.4

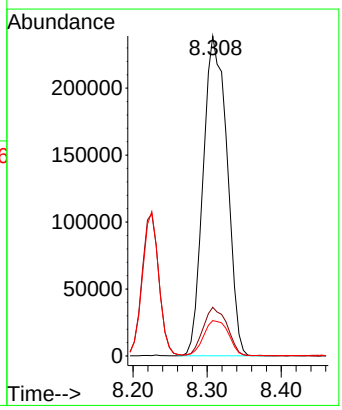


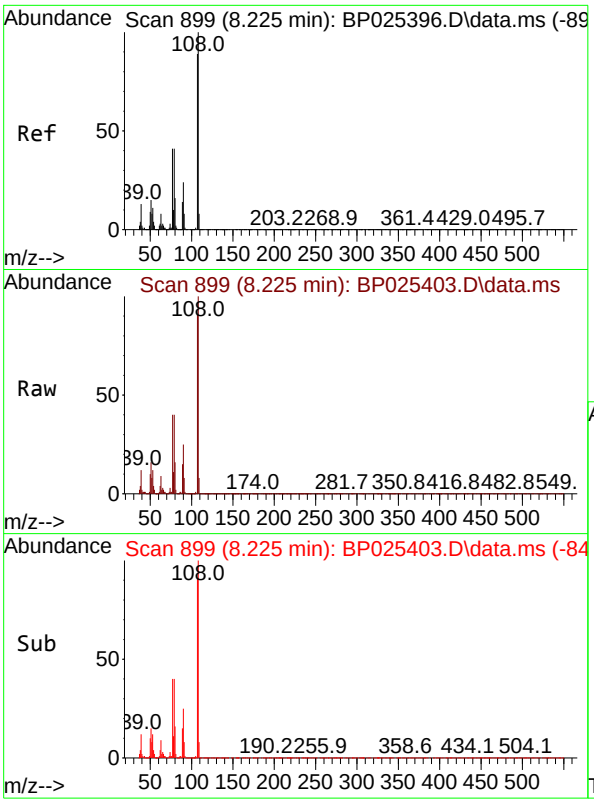


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.944 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 45 Resp: 533952

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.3
79	11.1	0.0	31.8



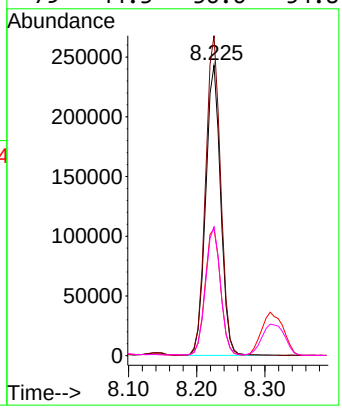


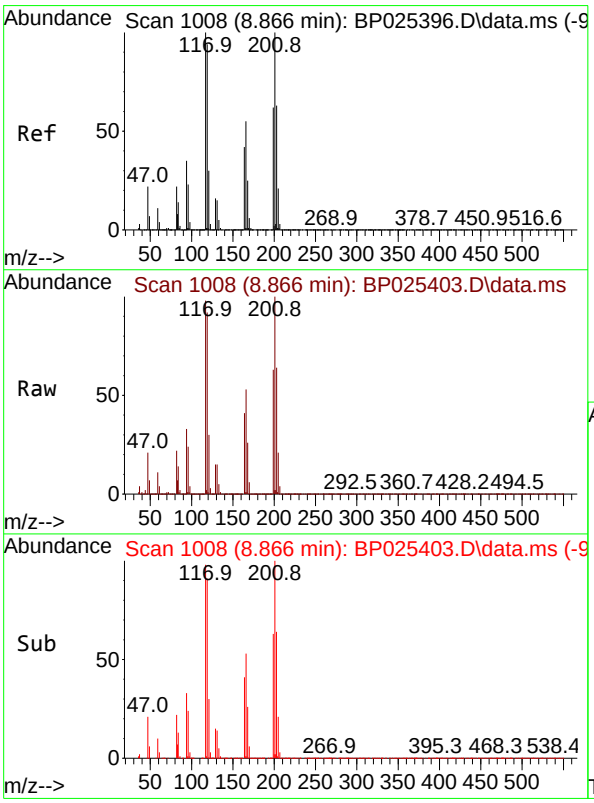
#17
2-Methylphenol
Concen: 45.888 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 370890

Ion	Ratio	Lower	Upper
107	100		
108	110.2	89.4	134.0
77	43.7	36.3	54.5
79	44.3	36.6	54.8

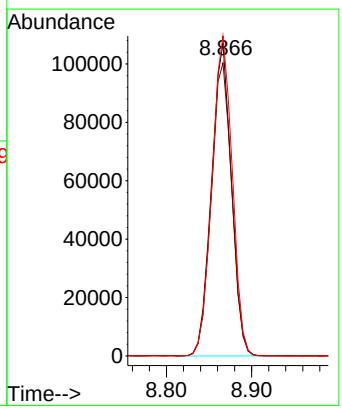


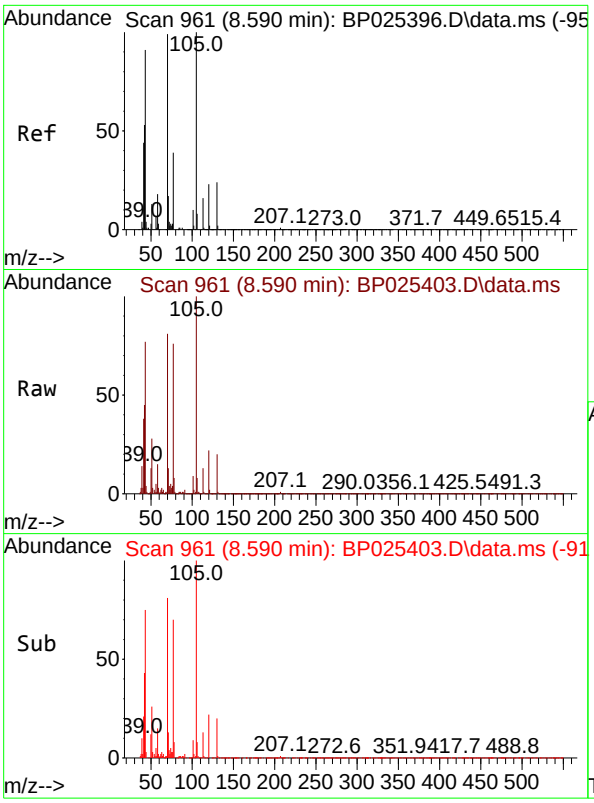


#18
Hexachloroethane
Concen: 42.947 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:117 Resp: 173722

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.1	112.7
201	102.3	80.1	120.1



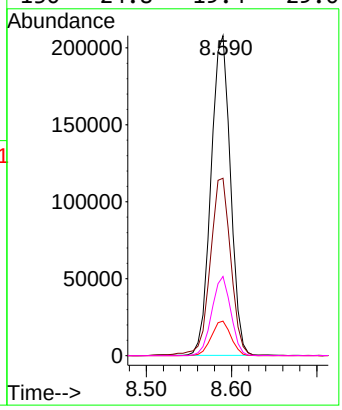


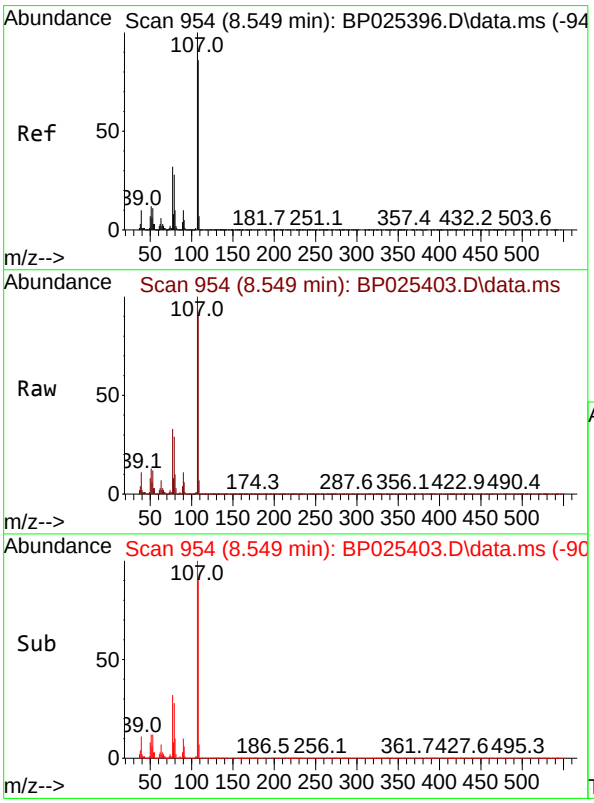
#19
n-Nitroso-di-n-propylamine
Concen: 44.859 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 329539

Ion	Ratio	Lower	Upper
70	100		
42	55.5	43.8	65.6
101	10.8	8.5	12.7
130	24.8	19.4	29.0

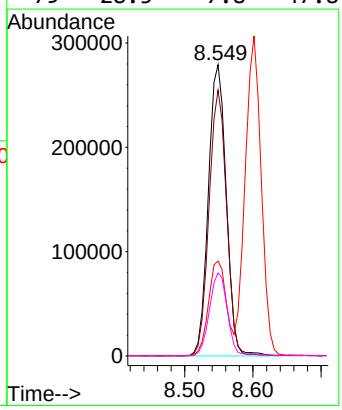


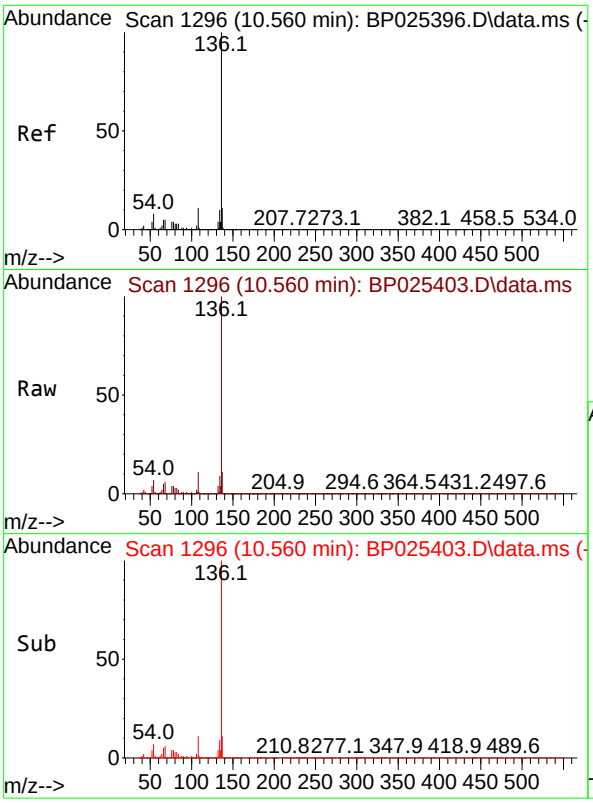


#20
3+4-Methylphenols
Concen: 45.518 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:107 Resp: 509960

Ion	Ratio	Lower	Upper
107	100		
108	91.3	66.3	106.3
77	32.6	12.3	52.3
79	28.5	7.8	47.8



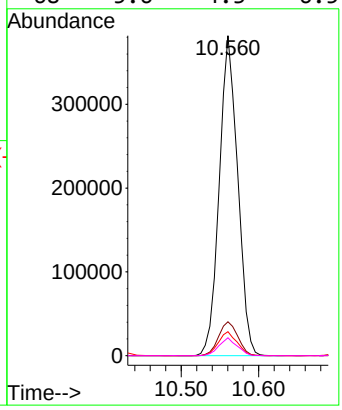


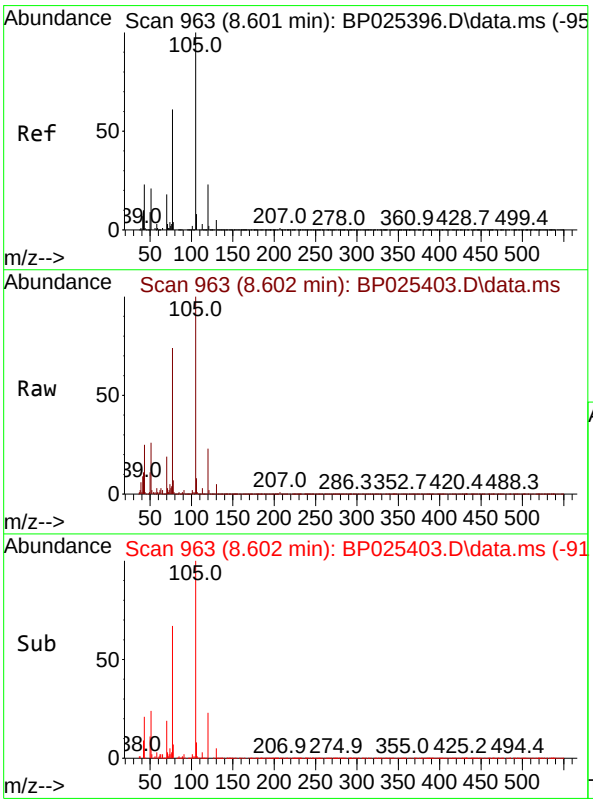
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 631599

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.5	6.0	9.0
68	5.6	4.3	6.5

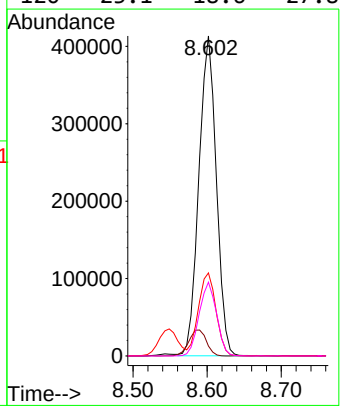


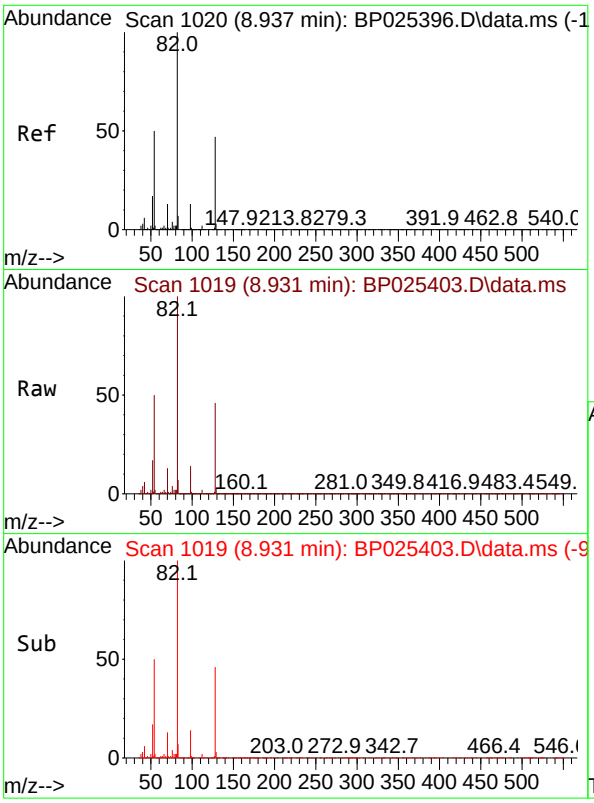


#22
Acetophenone
Concen: 42.684 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:105 Resp: 676089

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	25.9	20.6	30.8
120	23.1	18.6	27.8



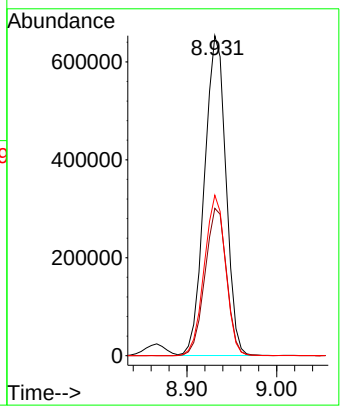


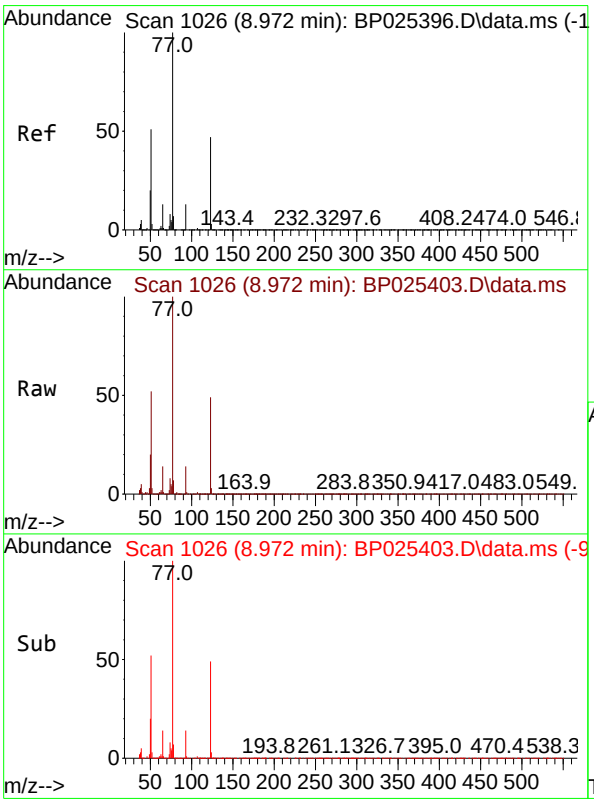
#23
Nitrobenzene-d5
Concen: 86.626 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1081597

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.7	56.5
54	50.2	39.8	59.6

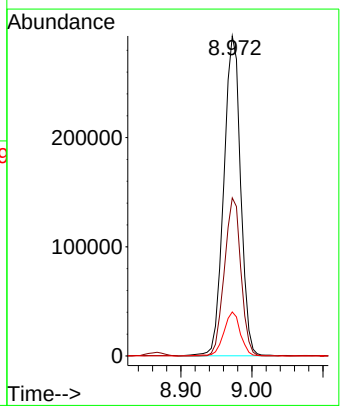


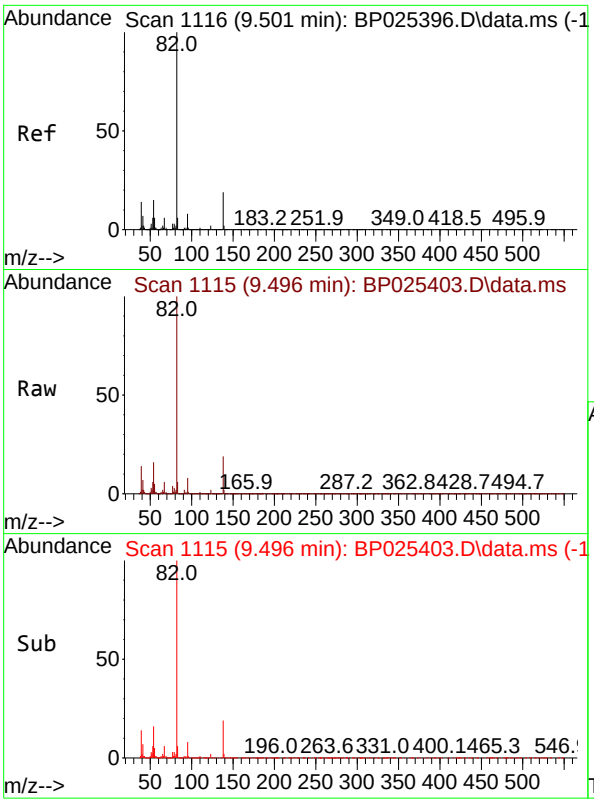


#24
Nitrobenzene
Concen: 43.012 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 77 Resp: 479956

Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.6	58.0
65	13.7	10.6	15.8



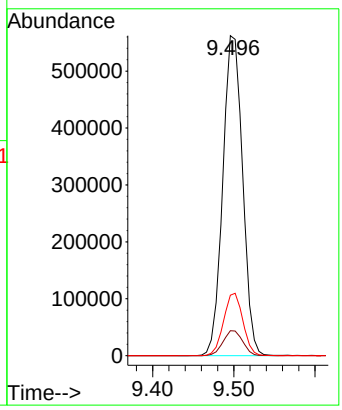


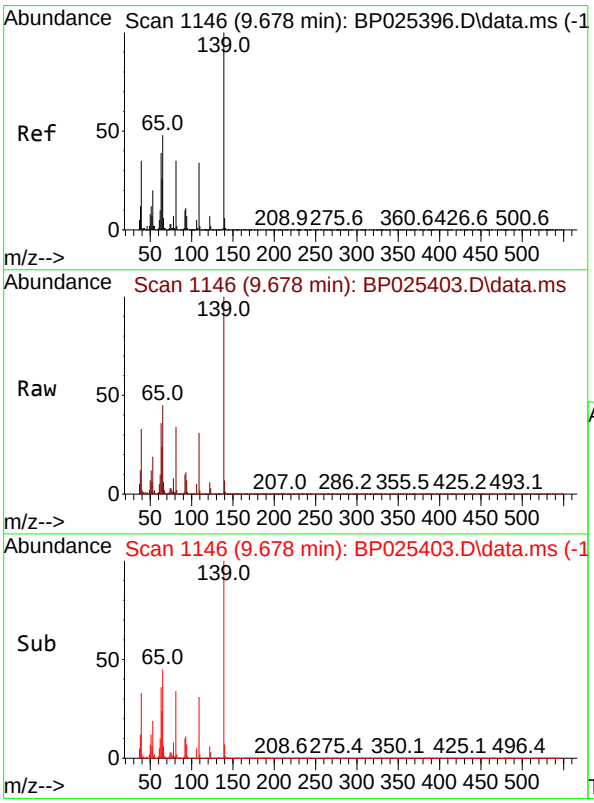
#25
Isophorone
Concen: 43.214 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 954875

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.9	15.4	23.0

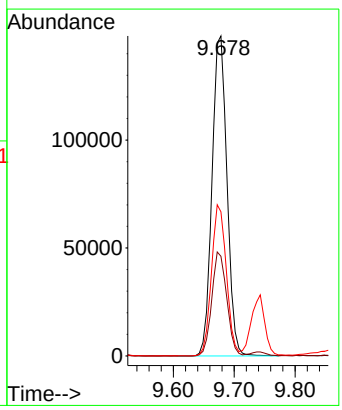


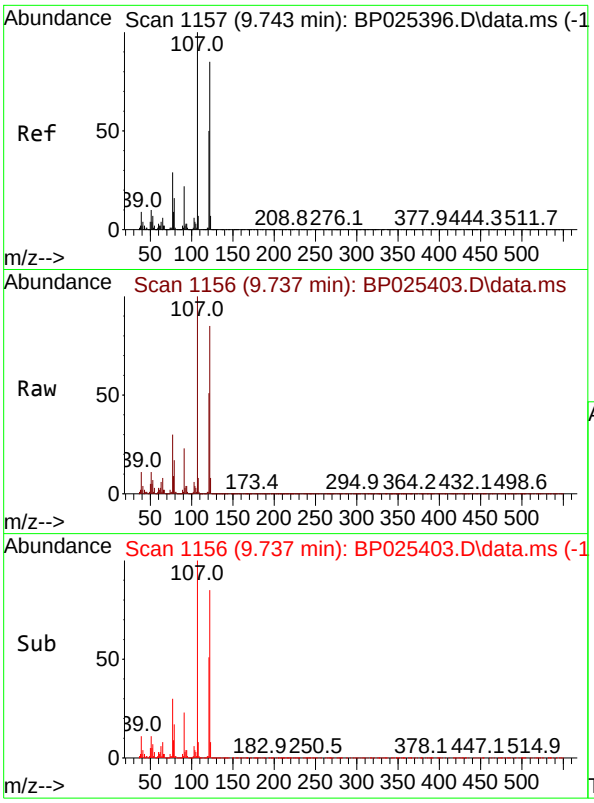


#26
2-Nitrophenol
Concen: 44.186 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:139 Resp: 253040

Ion	Ratio	Lower	Upper
139	100		
109	31.1	26.9	40.3
65	45.0	38.3	57.5



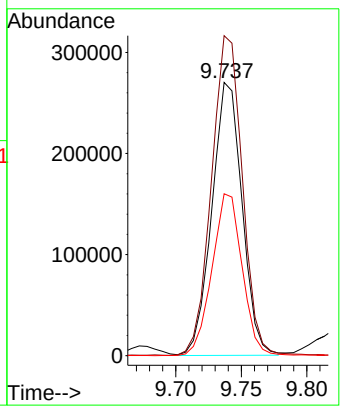


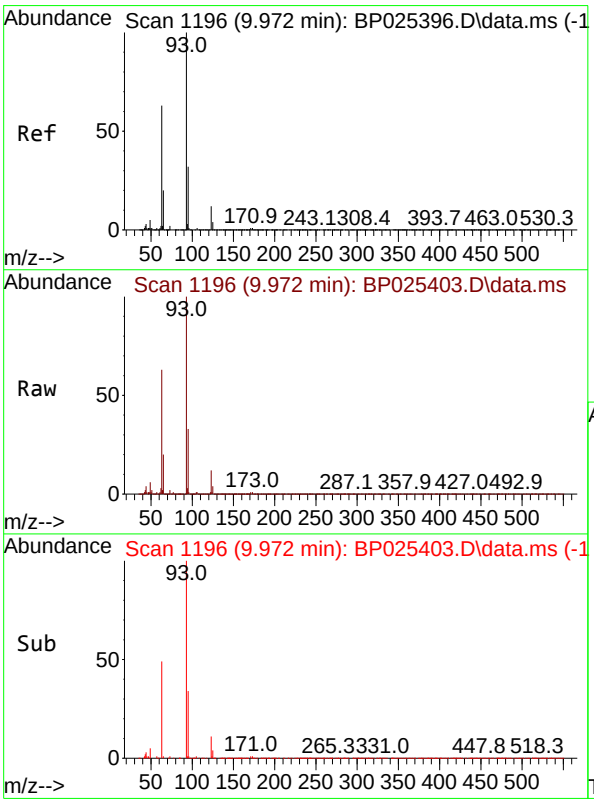
#27
2,4-Dimethylphenol
Concen: 43.871 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 432058

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	59.2	46.6	69.8

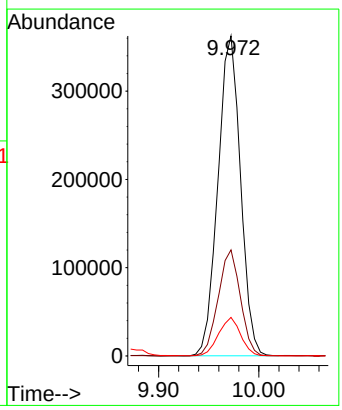


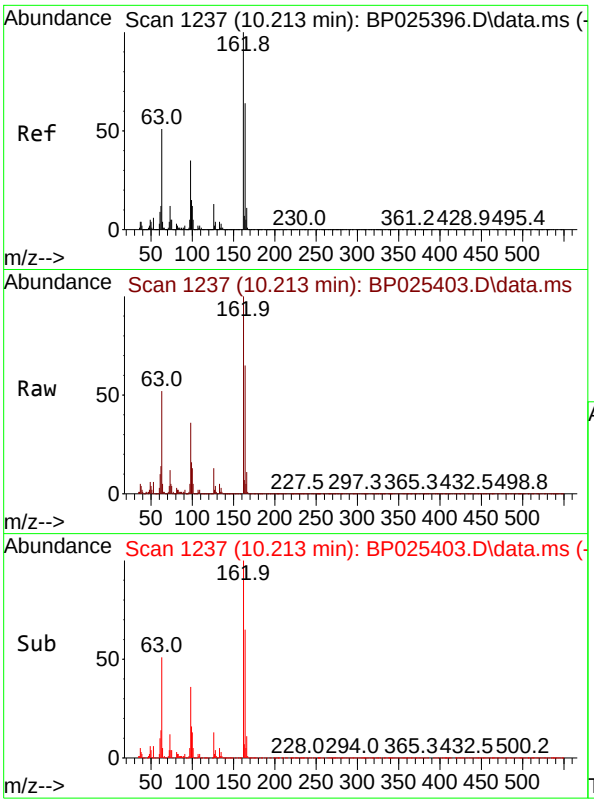


#28
bis(2-Chloroethoxy)methane
Concen: 42.408 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 93 Resp: 566435

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.0
123	12.0	9.4	14.0



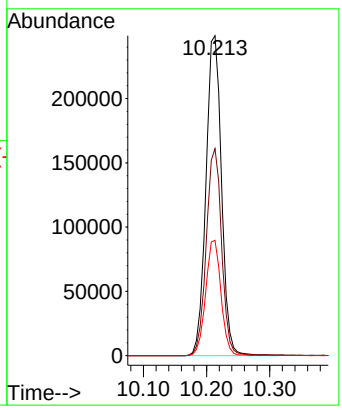


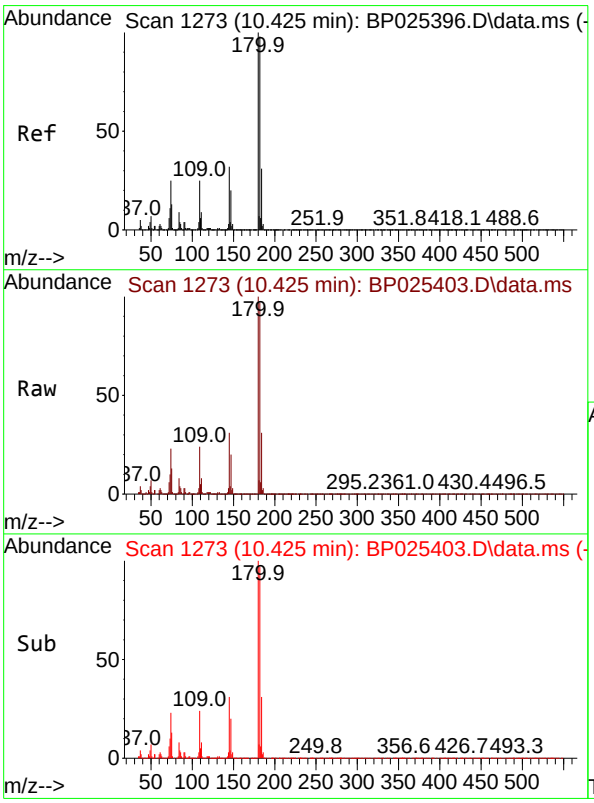
#29
2,4-Dichlorophenol
Concen: 43.578 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 426329

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	36.1	14.9	54.9

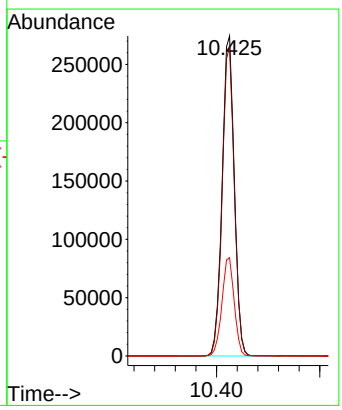


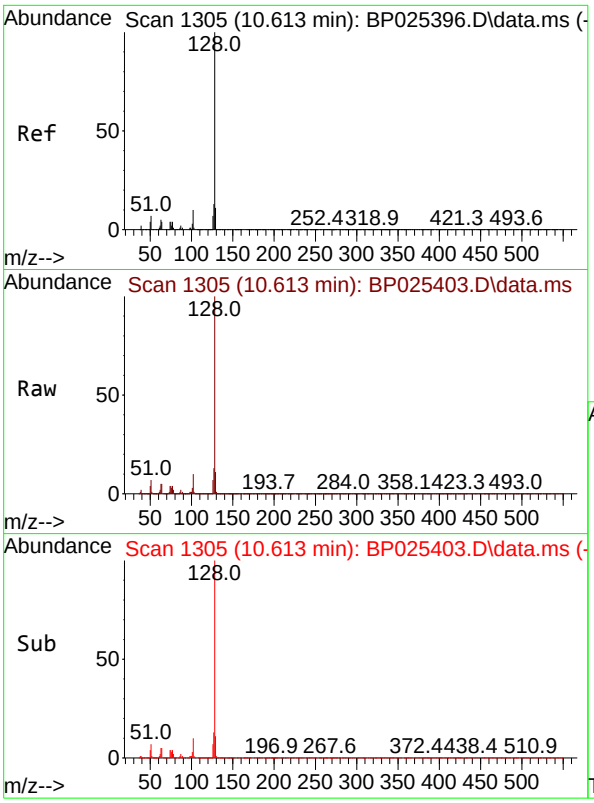


#30
1,2,4-Trichlorobenzene
Concen: 41.812 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:180 Resp: 448415

Ion	Ratio	Lower	Upper
180	100		
182	96.5	78.0	117.0
145	30.7	25.9	38.9



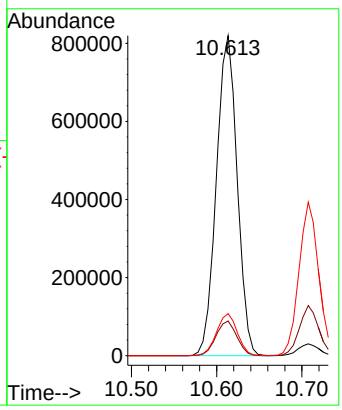


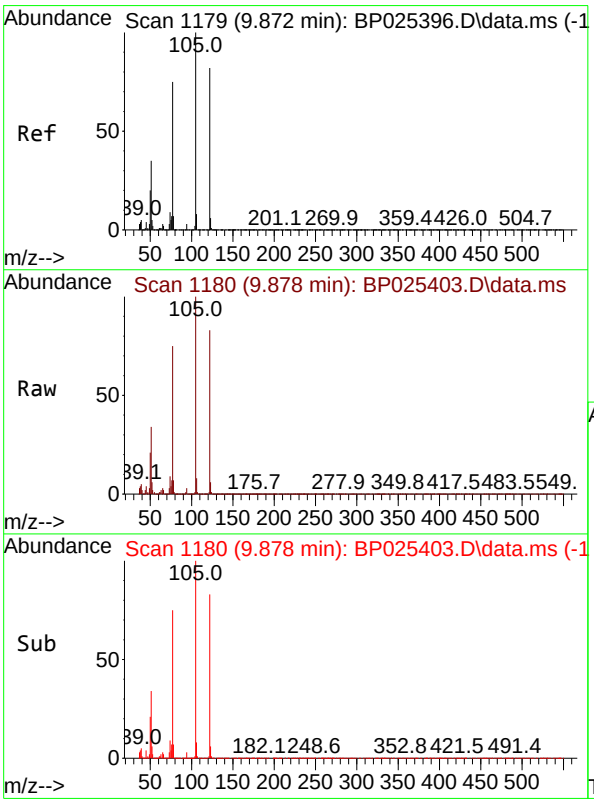
#31
Naphthalene
Concen: 42.388 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1391503

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1

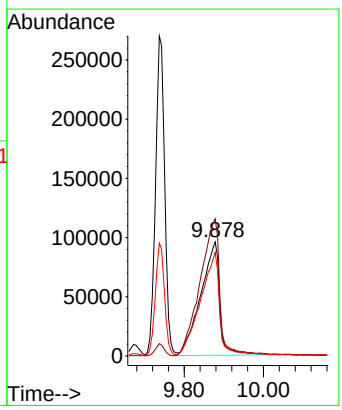


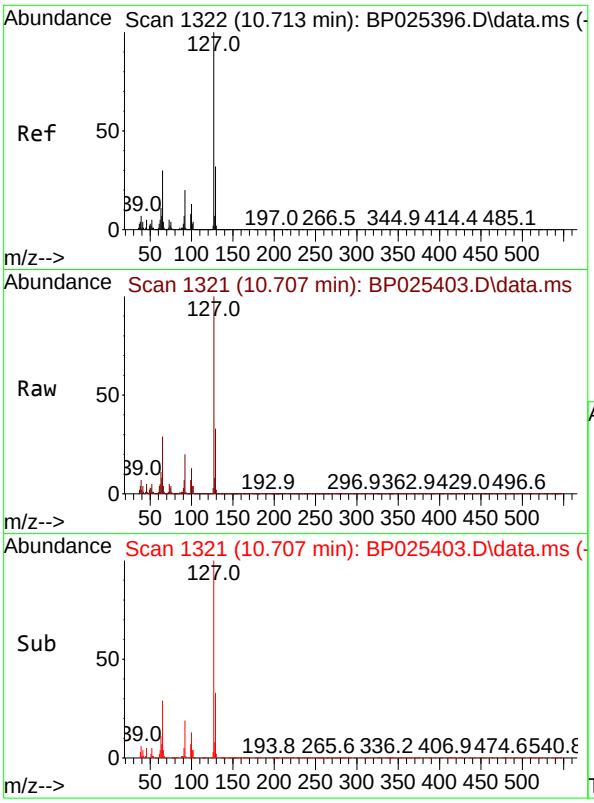


#32
Benzoic acid
Concen: 44.232 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:122 Resp: 321598

Ion	Ratio	Lower	Upper
122	100		
105	120.3	100.6	140.6
77	90.7	71.5	111.5



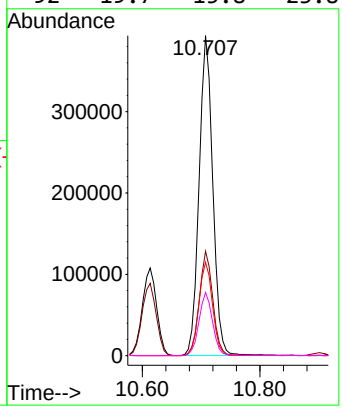


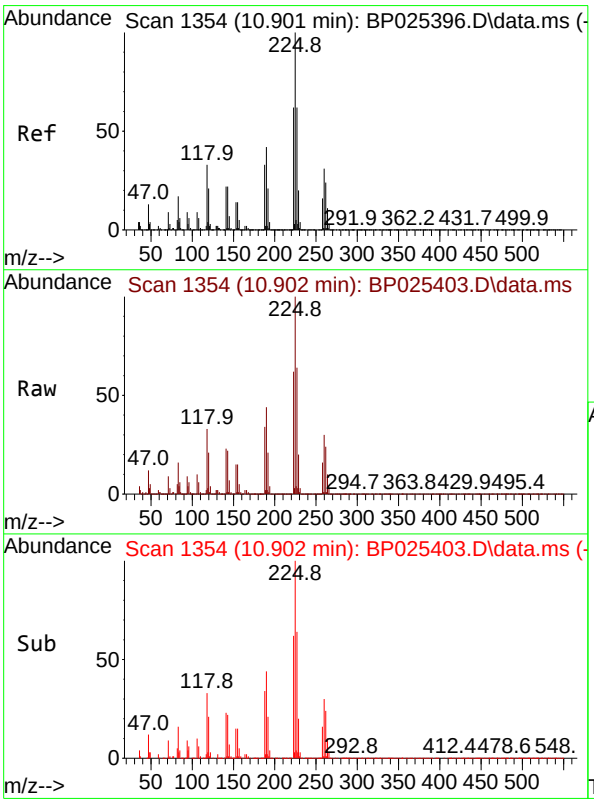
#33
4-Chloroaniline
Concen: 43.849 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 635837

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	29.2	23.8	35.6
92	19.7	15.8	23.8

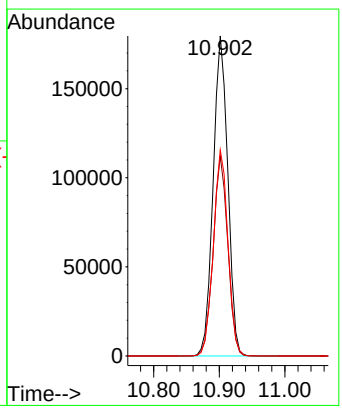


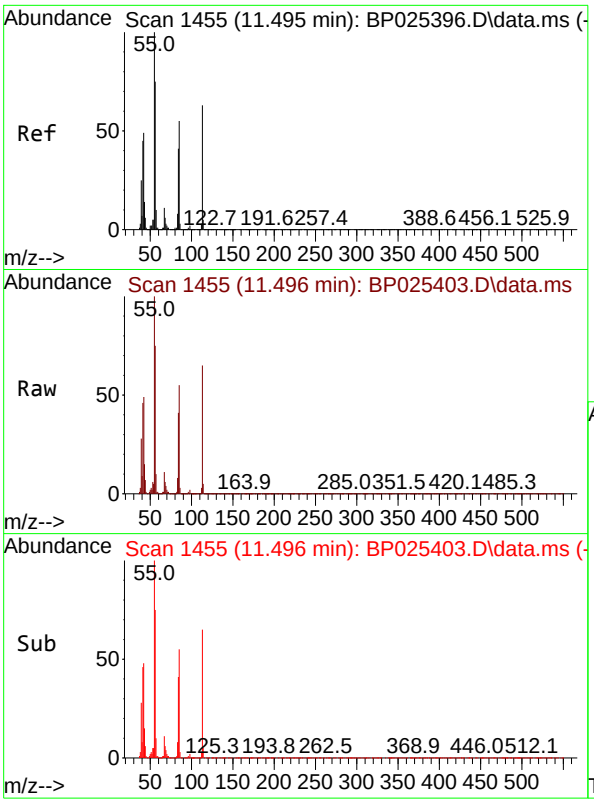


#34
Hexachlorobutadiene
Concen: 41.613 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:225 Resp: 277933

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	64.4	49.7	74.5



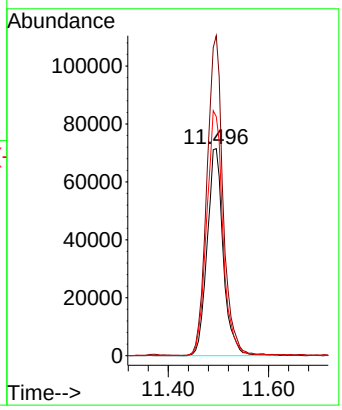


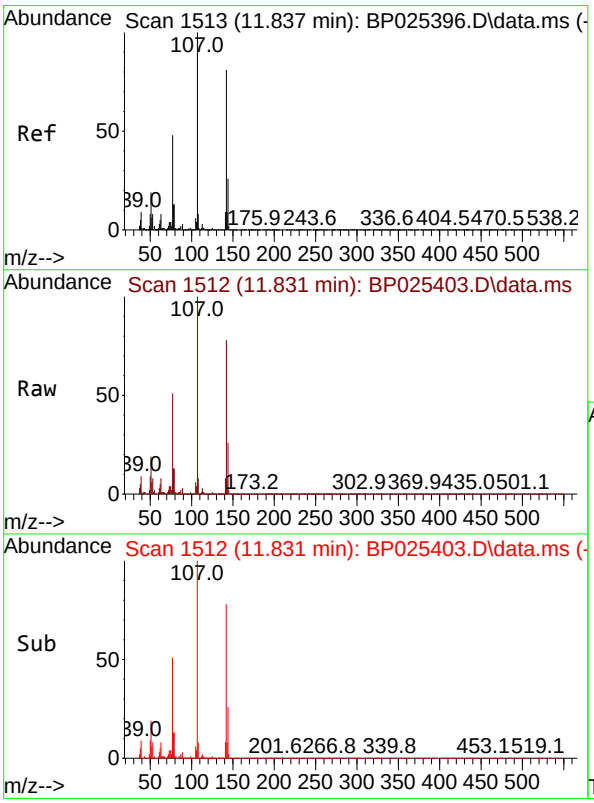
#35
Caprolactam
Concen: 44.362 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 159139

Ion	Ratio	Lower	Upper
113	100		
55	154.5	140.0	180.0
56	115.5	100.0	140.0

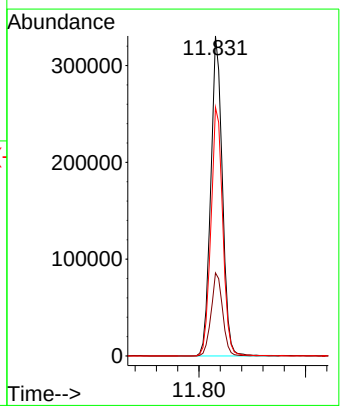


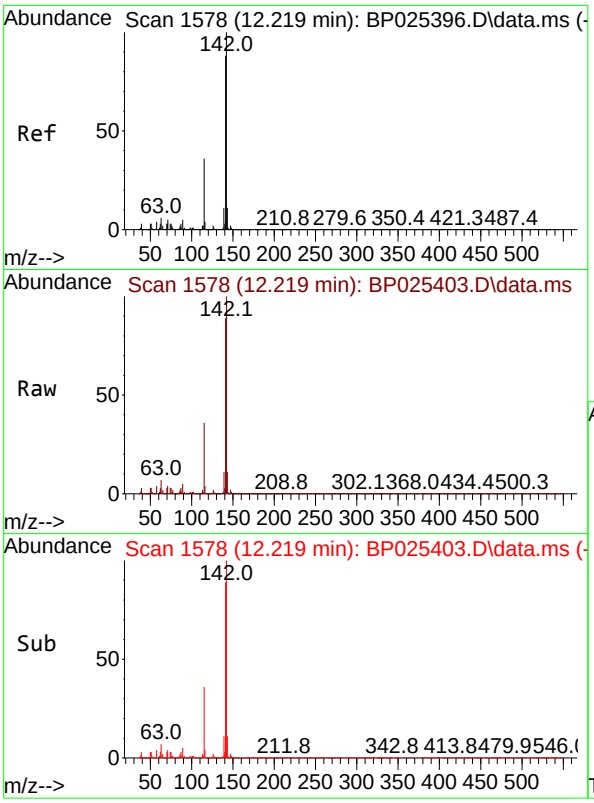


#36
4-Chloro-3-methylphenol
Concen: 44.631 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:107 Resp: 501026

Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.0	31.4
142	77.7	64.6	97.0



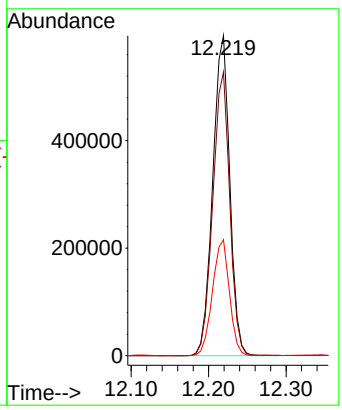


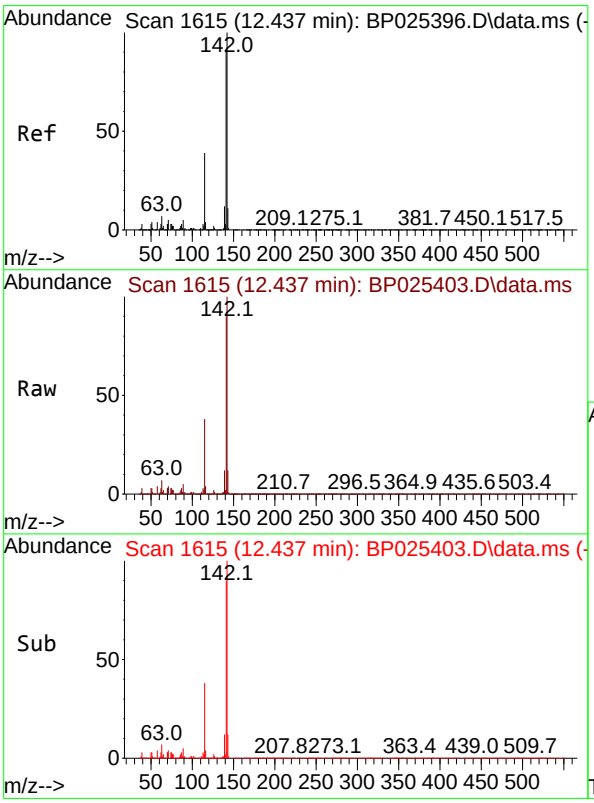
#37
2-Methylnaphthalene
Concen: 42.582 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 909696

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	36.2	28.9	43.3

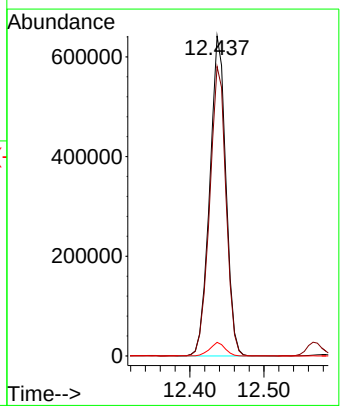


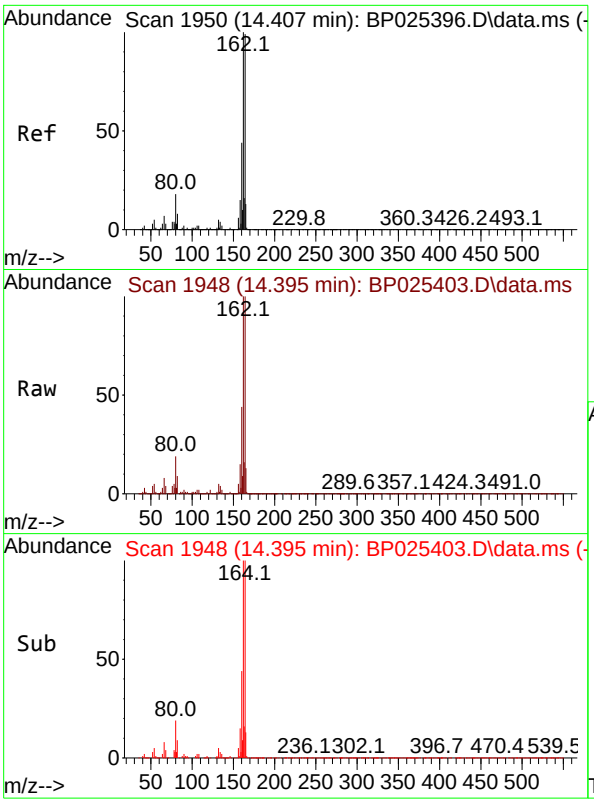


#38
1-Methylnaphthalene
Concen: 42.786 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:142 Resp: 972063

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.1	109.7
116	4.2	3.2	4.8



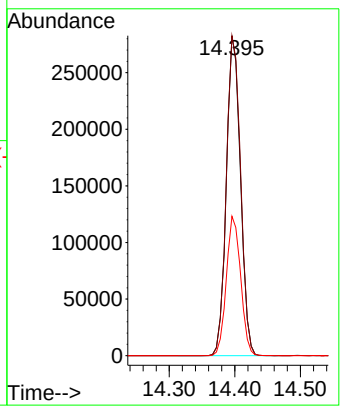


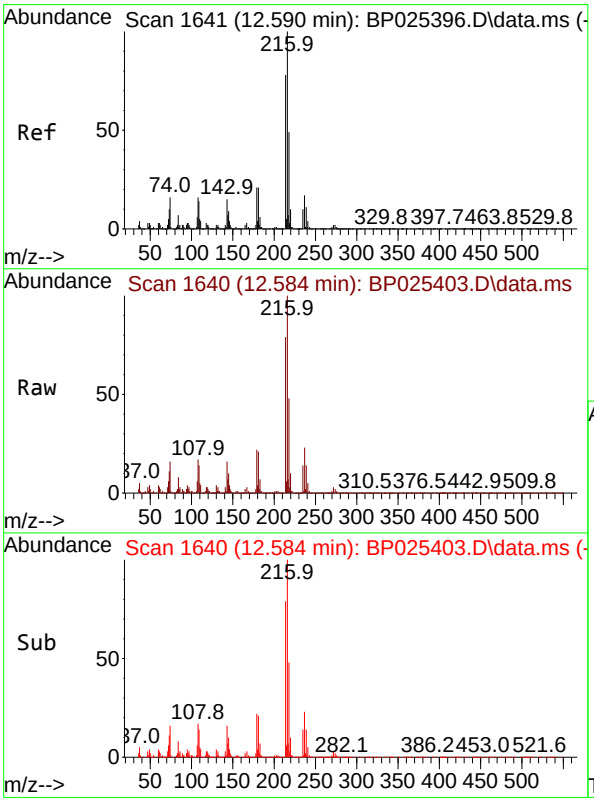
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 420815

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.0	121.6
160	43.5	35.4	53.2

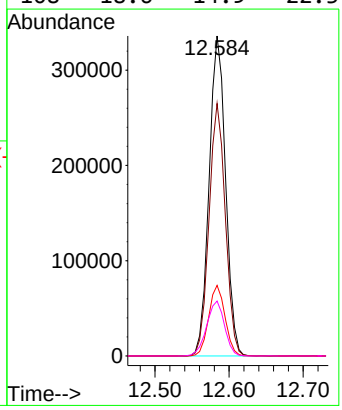


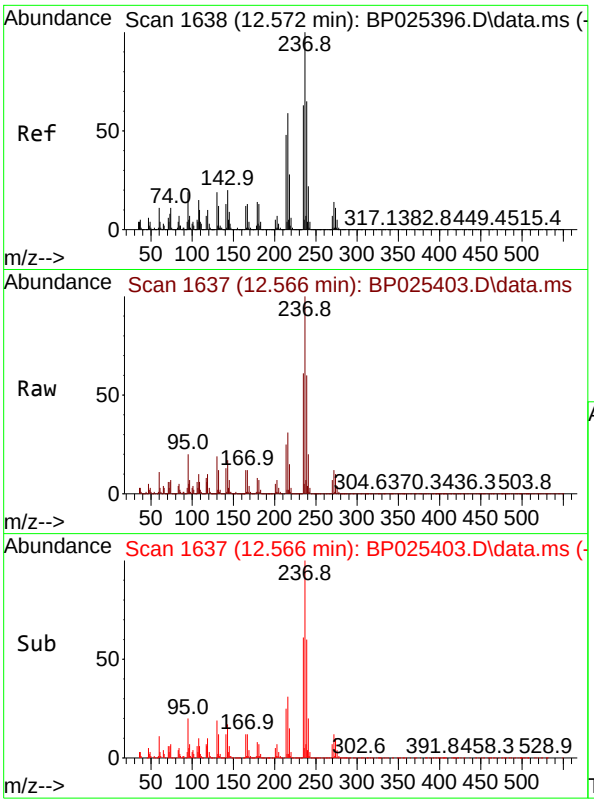


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.619 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:216 Resp: 517974

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	21.9	17.1	25.7
108	18.6	14.9	22.3



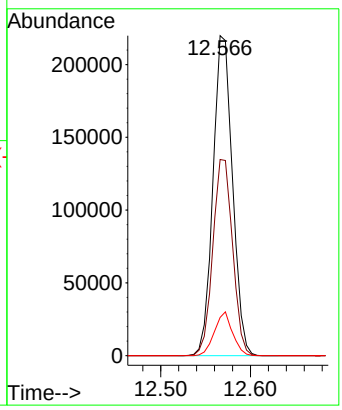


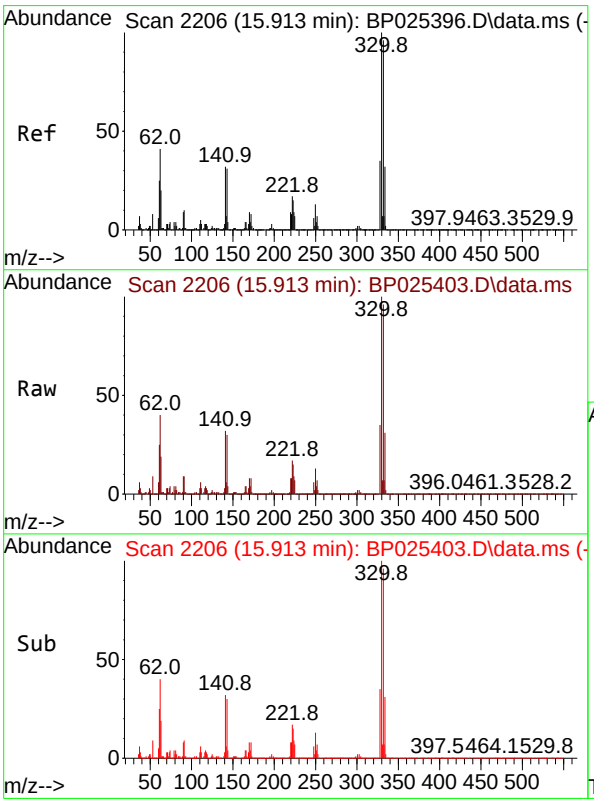
#41
Hexachlorocyclopentadiene
Concen: 45.147 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 331437

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.7	82.7
272	12.0	0.0	34.0

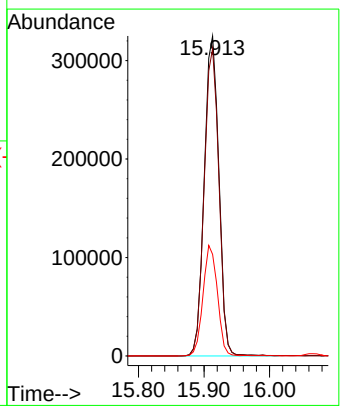


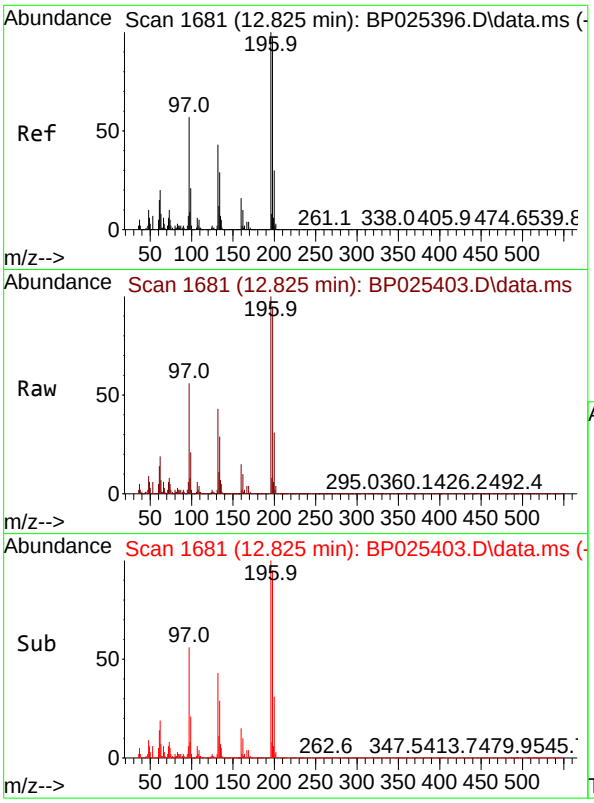


#42
2,4,6-Tribromophenol
Concen: 89.305 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:330 Resp: 505840

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	34.0	26.6	39.8



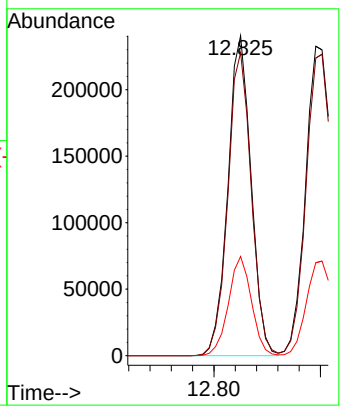


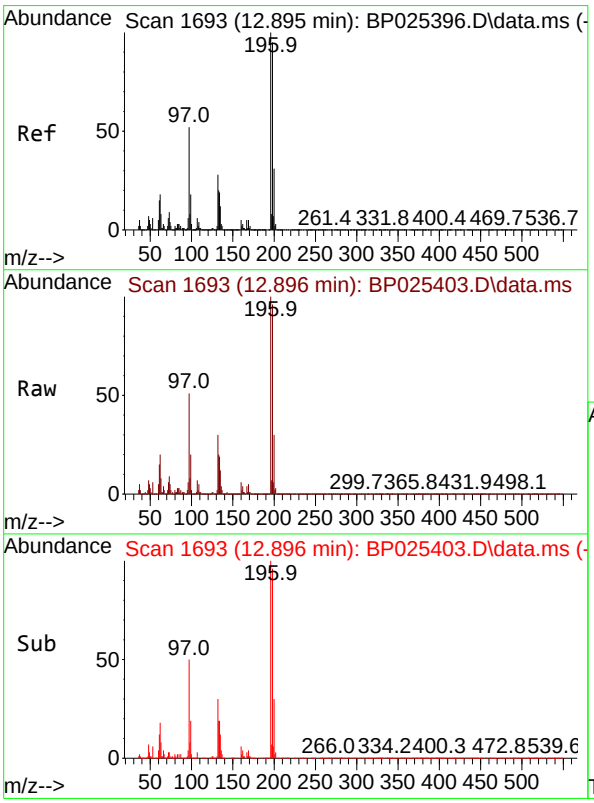
#43
2,4,6-Trichlorophenol
Concen: 44.402 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 364316

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.2	115.8
200	31.0	23.9	35.9

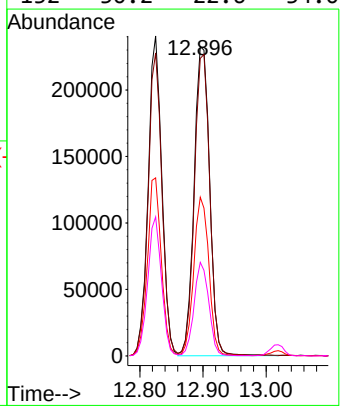


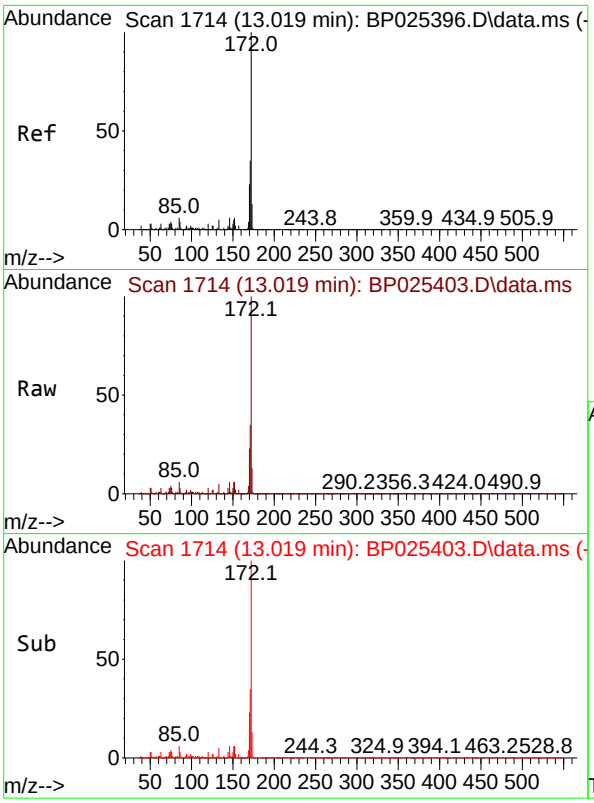


#44
2,4,5-Trichlorophenol
Concen: 44.283 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:196 Resp: 398216

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
97	51.3	41.2	61.8
132	30.2	22.6	34.0



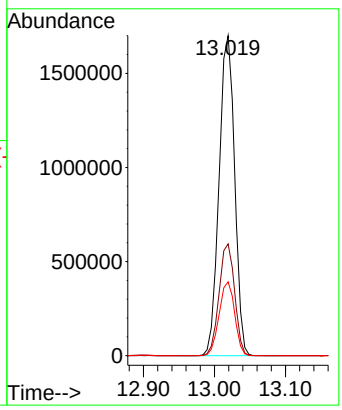


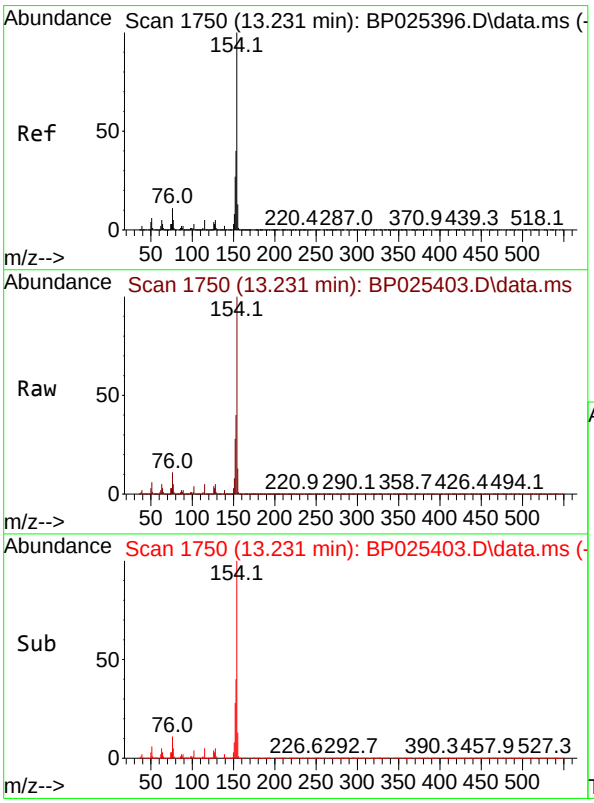
#45
2-Fluorobiphenyl
Concen: 83.658 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2575898

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.1	18.6	28.0

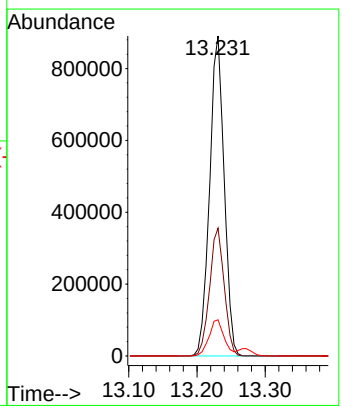


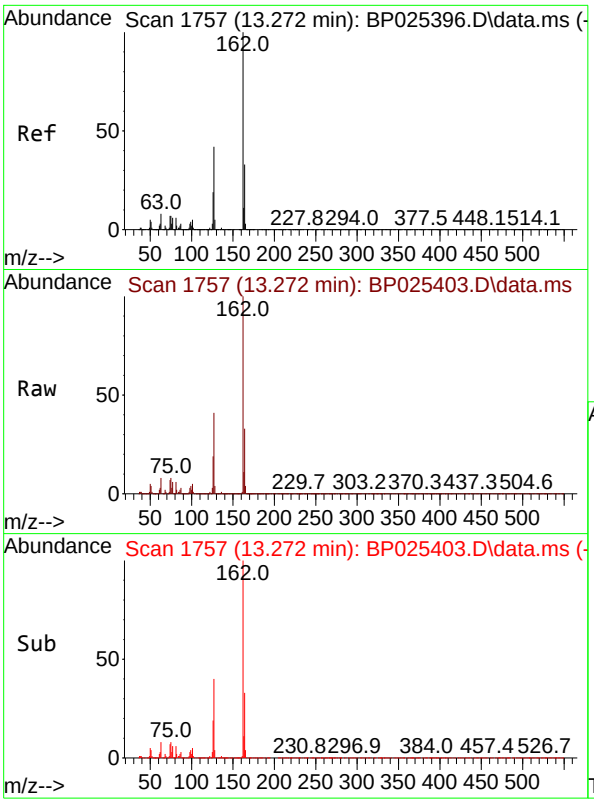


#46
1,1'-Biphenyl
Concen: 43.338 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:154 Resp: 1324483

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.5	59.5
76	11.3	0.0	31.1



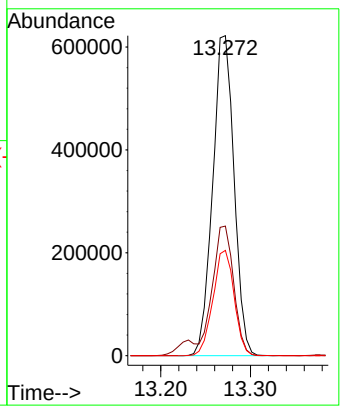


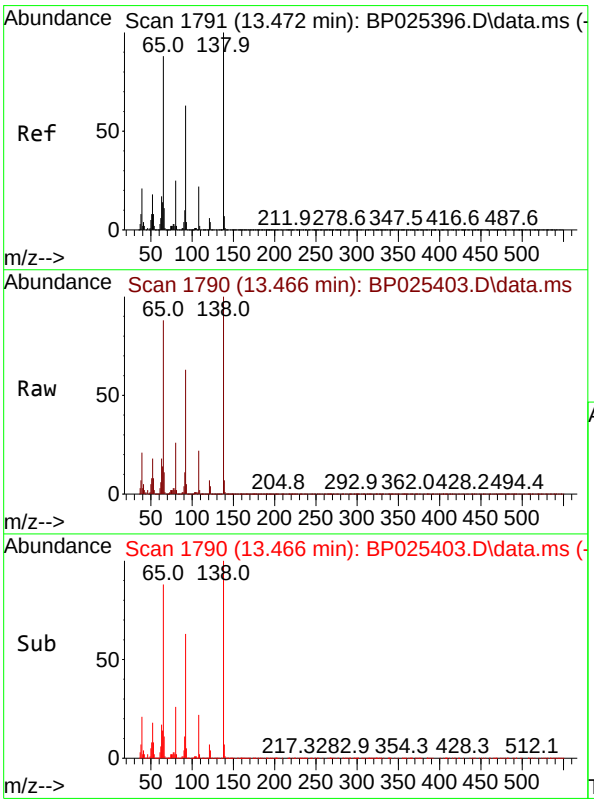
#47
2-Chloronaphthalene
Concen: 43.221 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1028320

Ion	Ratio	Lower	Upper
162	100		
127	40.5	33.4	50.2
164	32.9	26.2	39.2

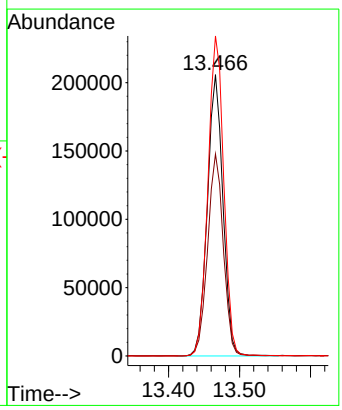


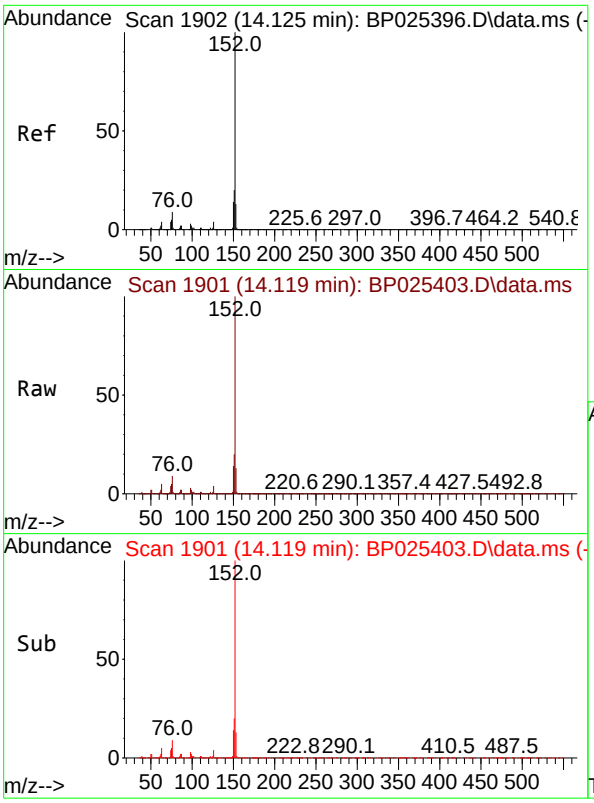


#48
2-Nitroaniline
Concen: 45.370 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion: 65 Resp: 314525

Ion	Ratio	Lower	Upper
65	100		
92	71.8	57.6	86.4
138	113.8	91.0	136.6



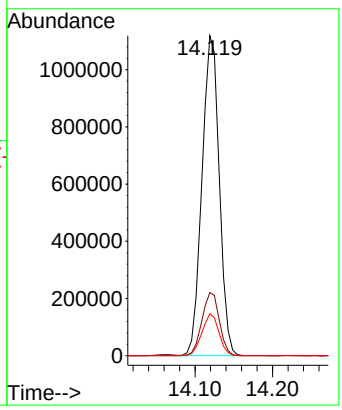


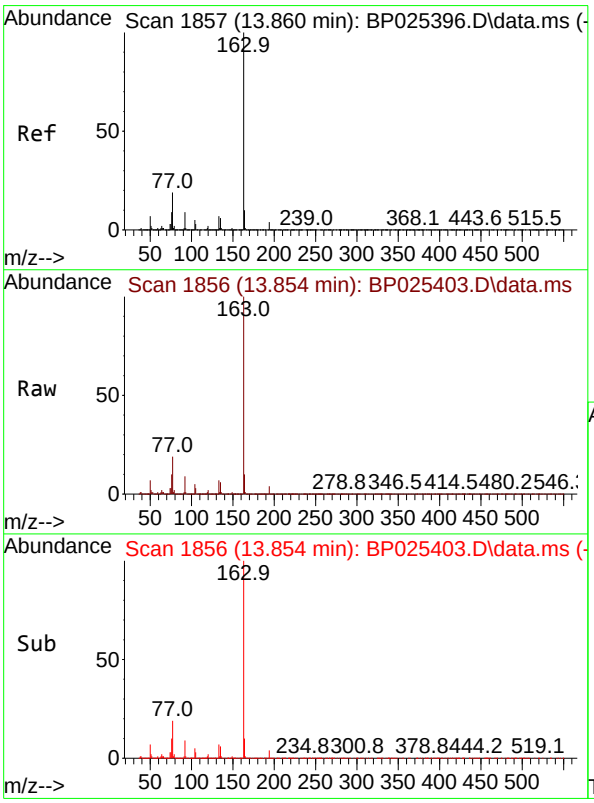
#49
Acenaphthylene
Concen: 43.899 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1728273

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8

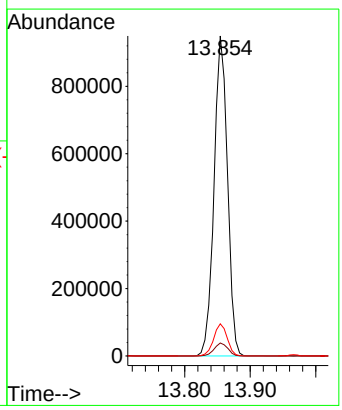


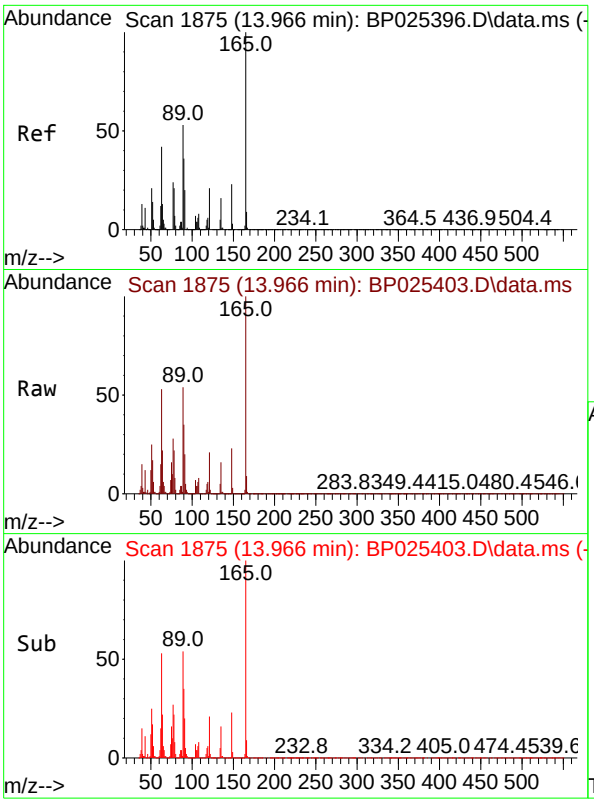


#50
Dimethylphthalate
Concen: 43.709 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:163 Resp: 1346941

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.1	7.9	11.9



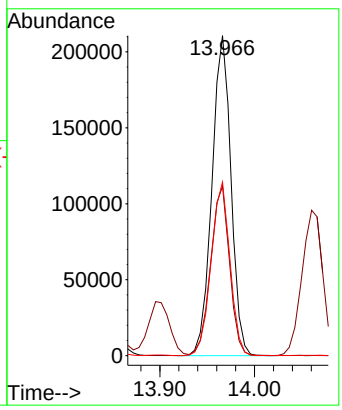


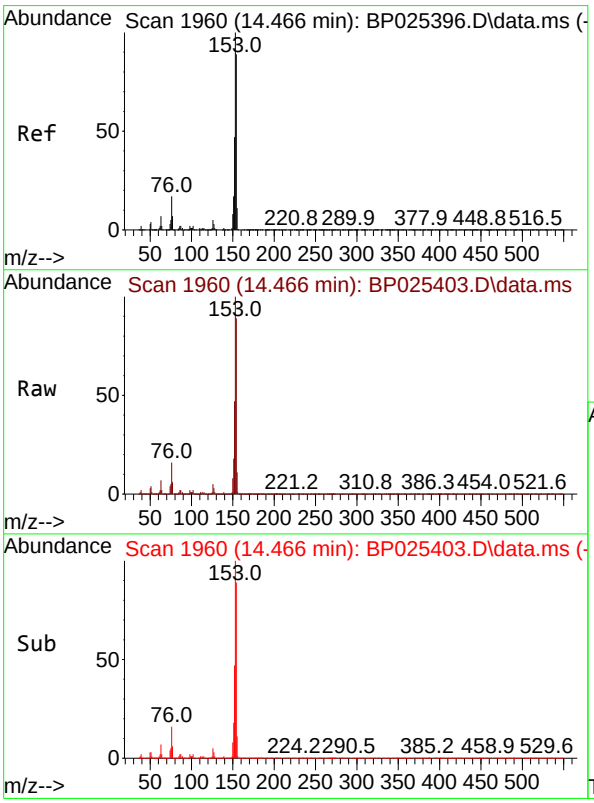
#51
2,6-Dinitrotoluene
Concen: 45.364 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 294644

Ion	Ratio	Lower	Upper
165	100		
63	52.9	40.9	61.3
89	54.2	42.1	63.1

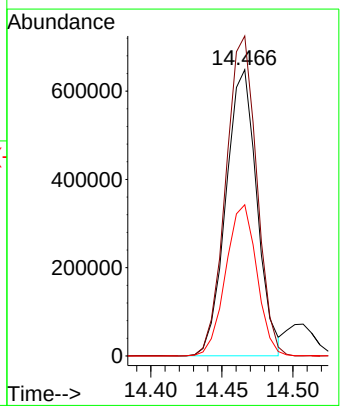


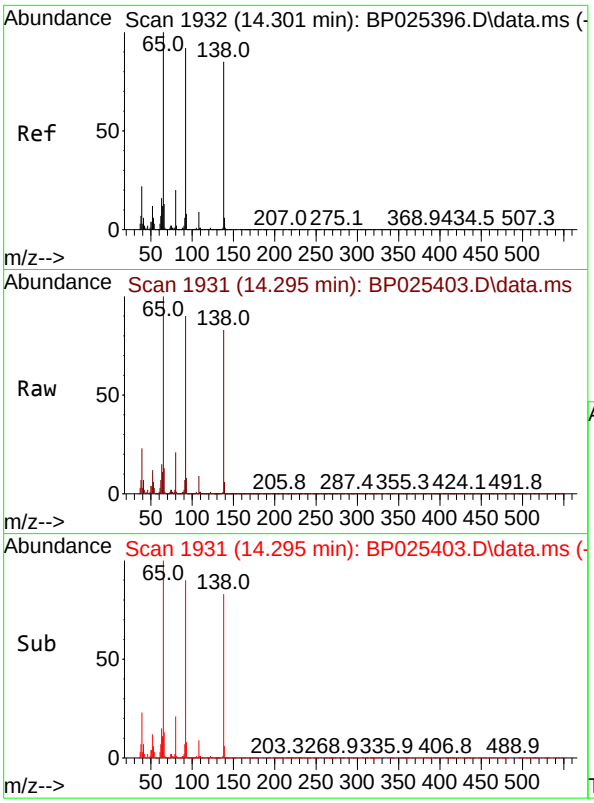


#52
Acenaphthene
Concen: 42.587 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:154 Resp: 984150

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	52.9	42.1	63.1



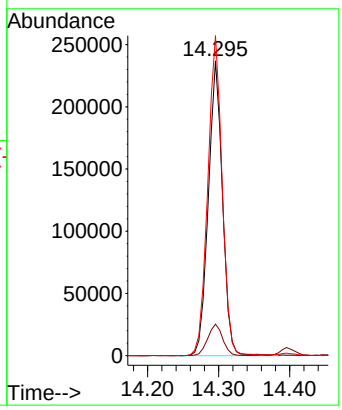


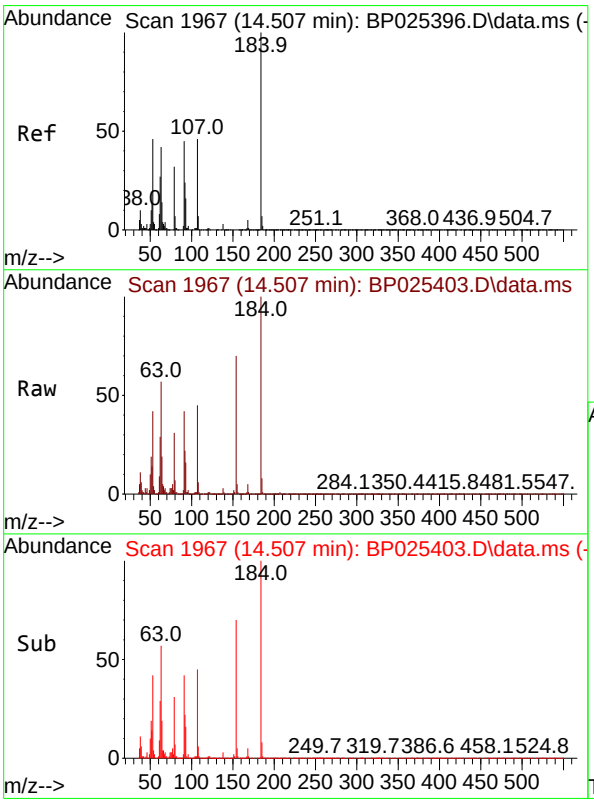
#53
3-Nitroaniline
Concen: 44.858 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 327806

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	108.5	86.2	129.2

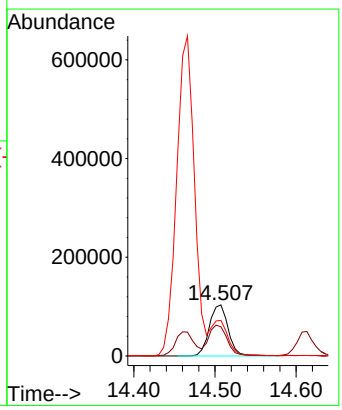


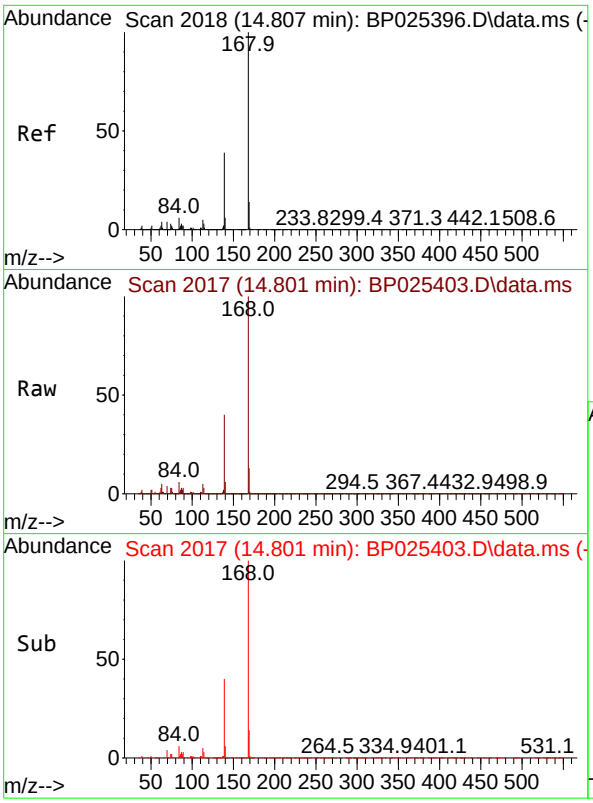


#54
2,4-Dinitrophenol
Concen: 48.211 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:184 Resp: 167222

Ion	Ratio	Lower	Upper
184	100		
63	57.0	49.4	74.2
154	69.7	54.6	82.0



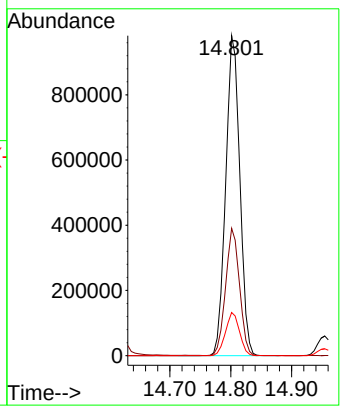


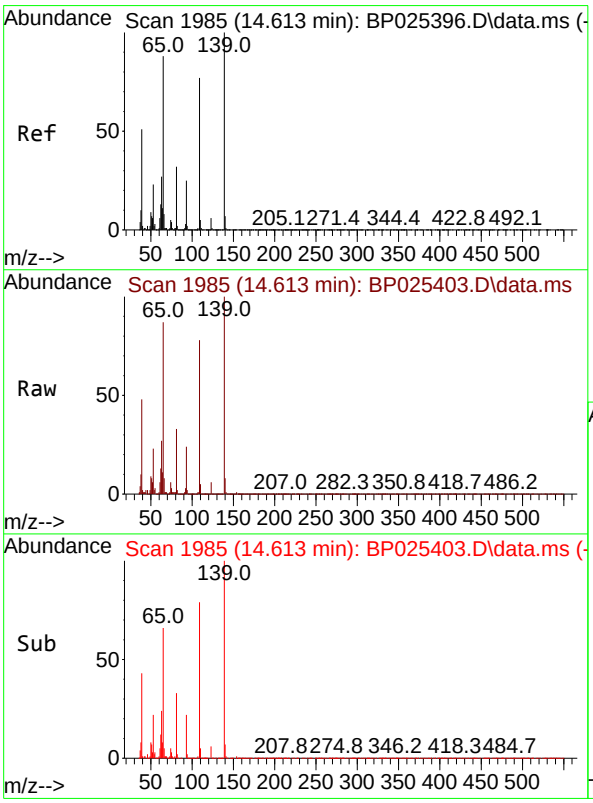
#55
Dibenzofuran
Concen: 43.256 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1580372

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.5	47.3
169	13.5	10.9	16.3

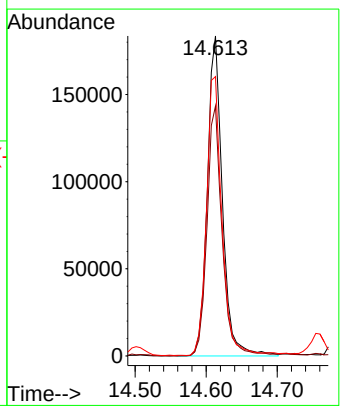


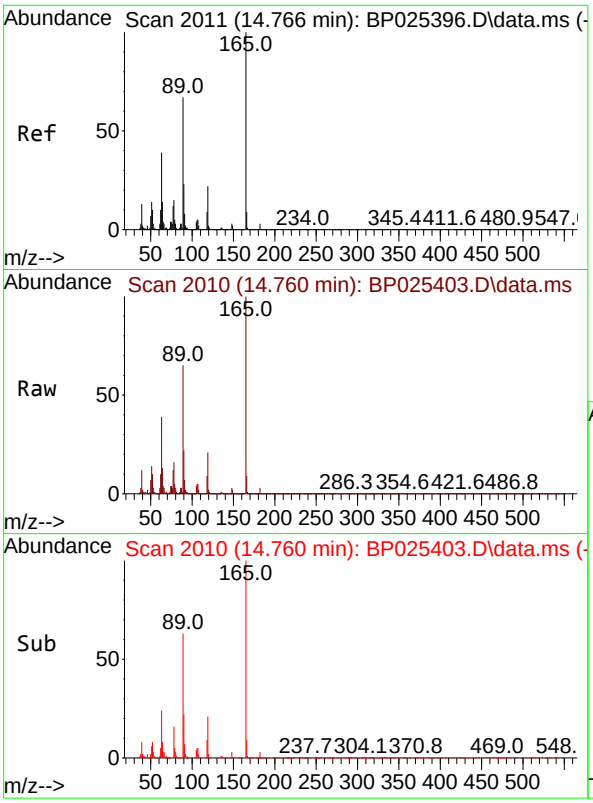


#56
4-Nitrophenol
Concen: 45.122 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:139 Resp: 270955

Ion	Ratio	Lower	Upper
139	100		
109	78.1	56.6	96.6
65	87.3	68.2	108.2



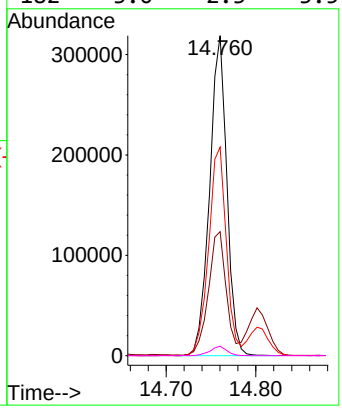


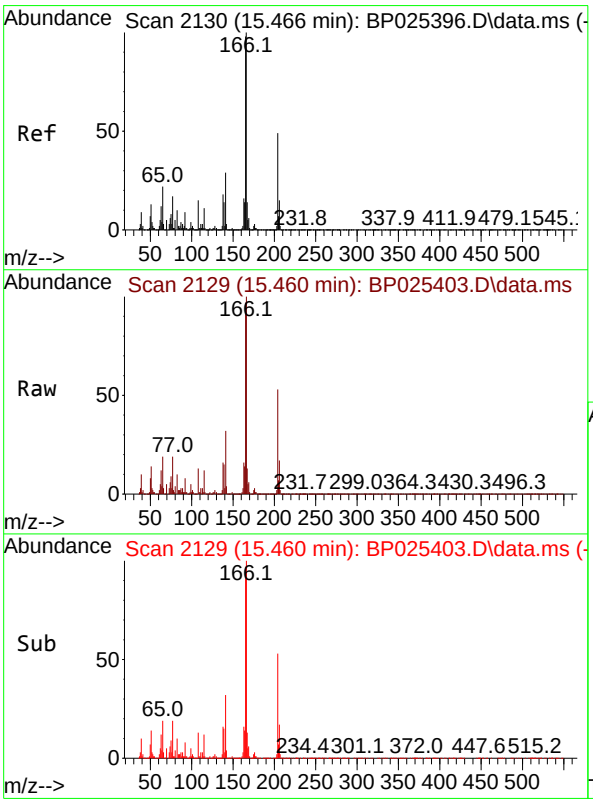
#57
2,4-Dinitrotoluene
Concen: 45.922 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 425555

Ion	Ratio	Lower	Upper
165	100		
63	38.8	31.4	47.2
89	65.1	53.3	79.9
182	3.0	2.3	3.5

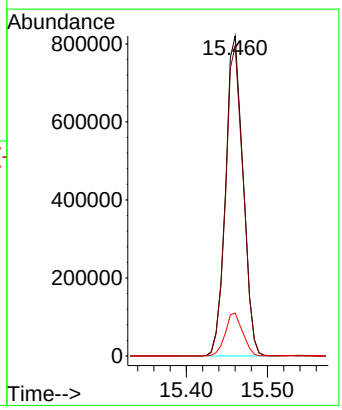


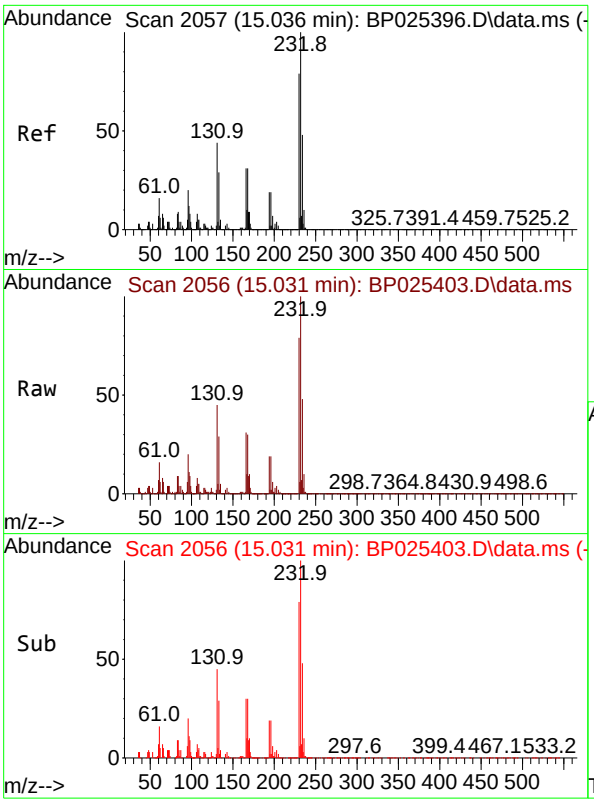


#58
Fluorene
Concen: 42.602 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:166 Resp: 1228185

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	13.4	11.0	16.4



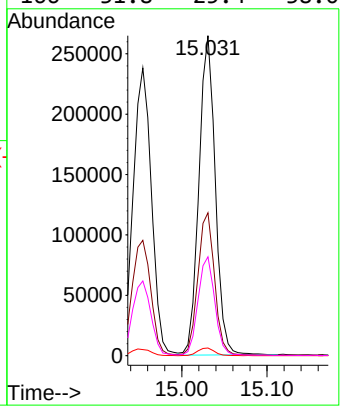


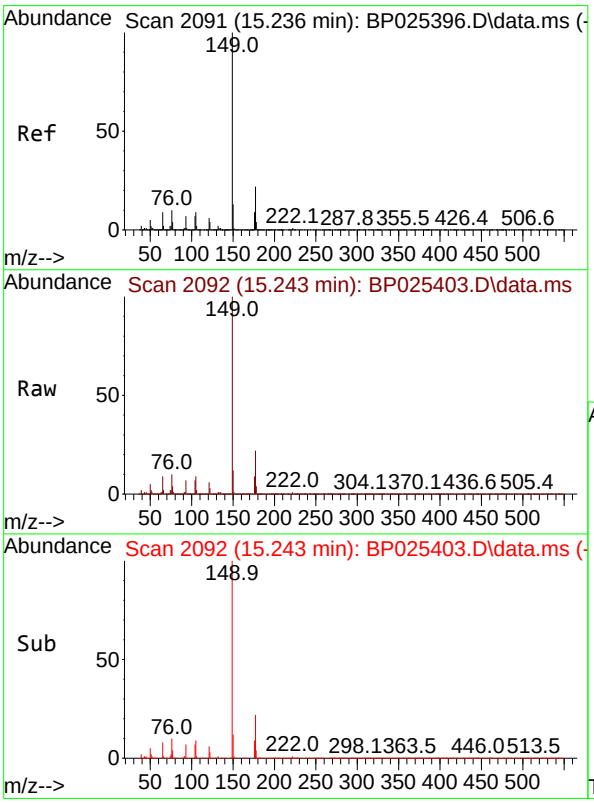
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.447 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 352921

Ion	Ratio	Lower	Upper
232	100		
131	45.7	37.0	55.6
130	2.5	1.9	2.9
166	31.8	25.4	38.0

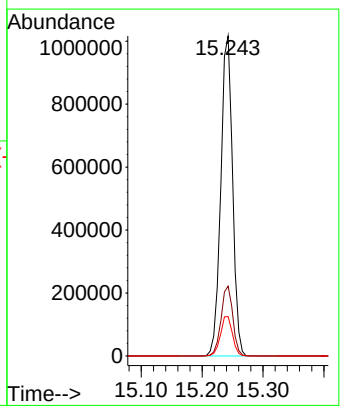


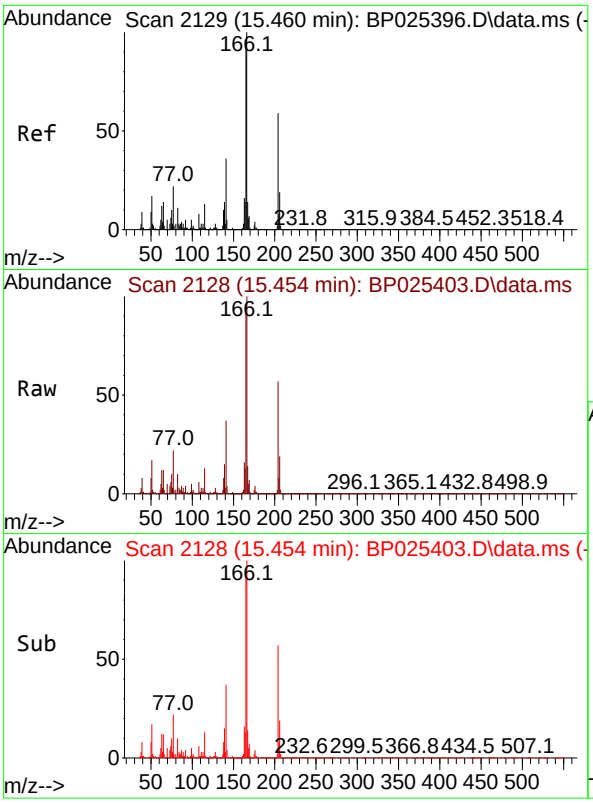


#60
Diethylphthalate
Concen: 43.604 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1365325

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.3	10.3	15.5



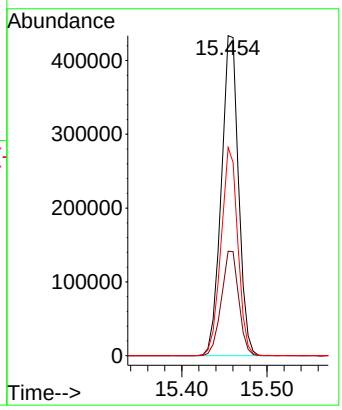


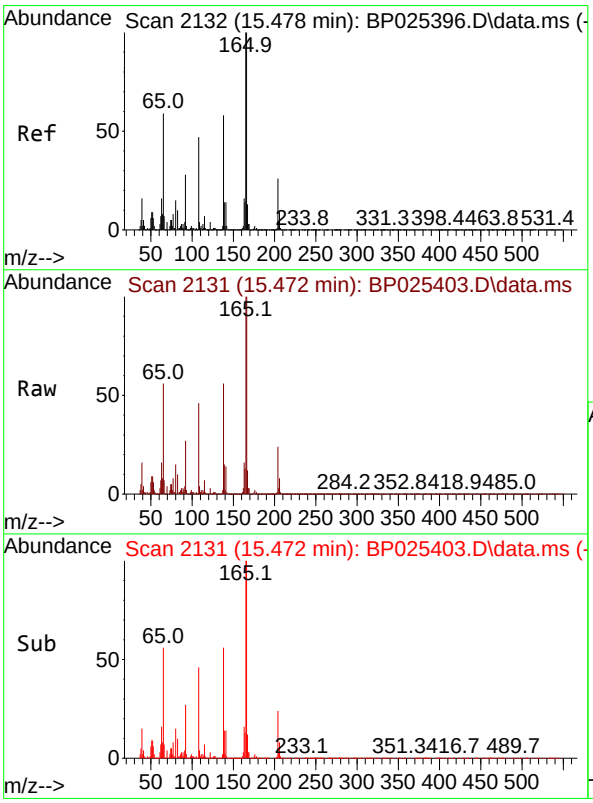
#61
4-Chlorophenyl-phenylether
Concen: 42.427 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 608316

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	65.0	49.4	74.2

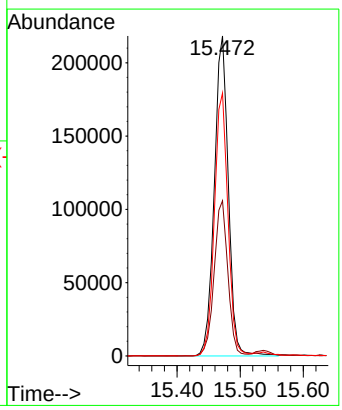


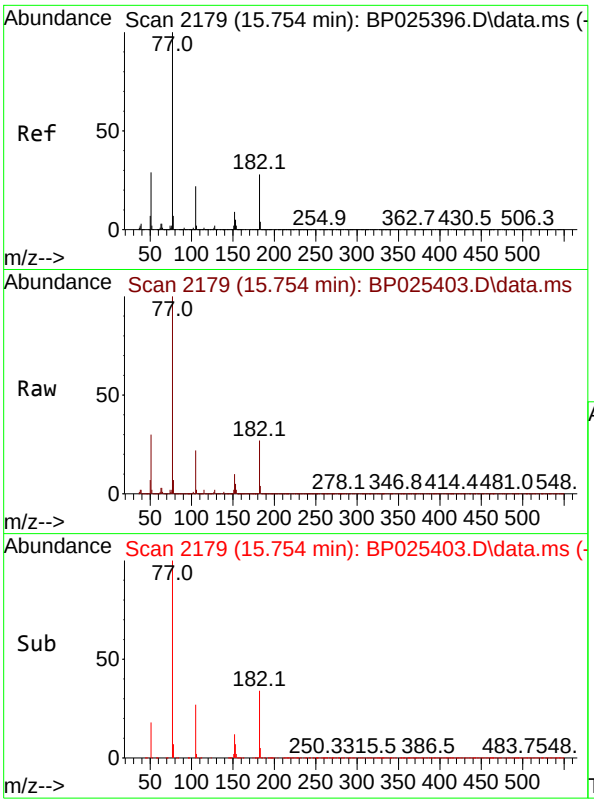


#62
4-Nitroaniline
Concen: 44.988 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:138 Resp: 337032

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.1	69.1
108	82.2	61.5	101.5



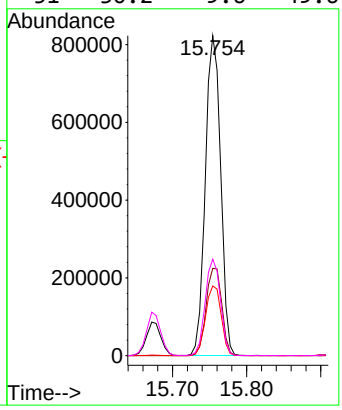


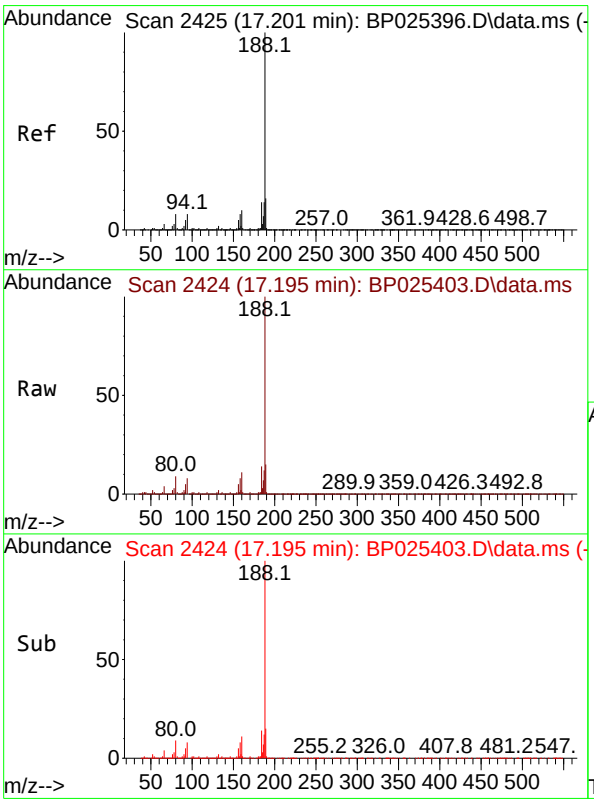
#63
Azobenzene
Concen: 43.941 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1178128

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.5	47.5
105	21.8	2.1	42.1
51	30.2	9.6	49.6

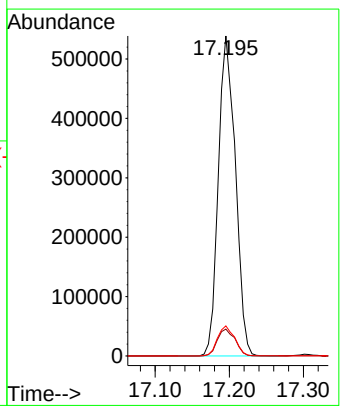


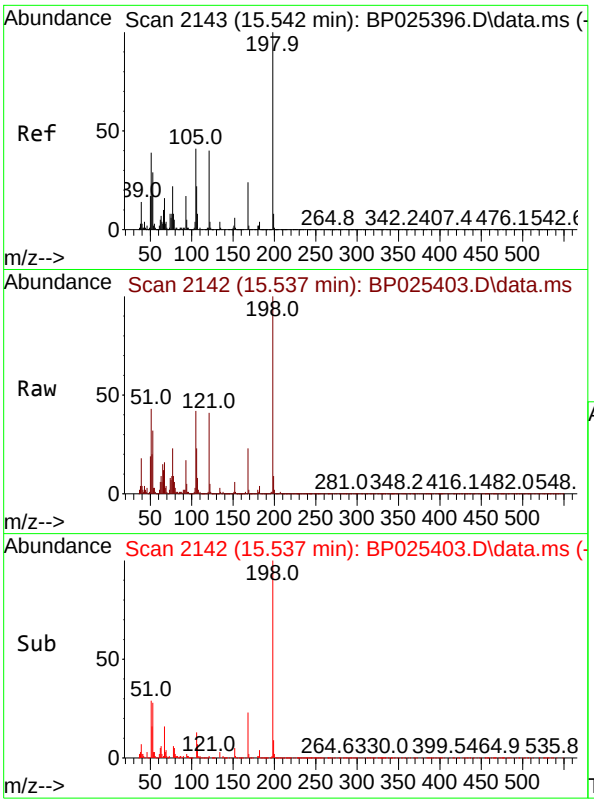


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:188 Resp: 861562

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.4	6.7	10.1



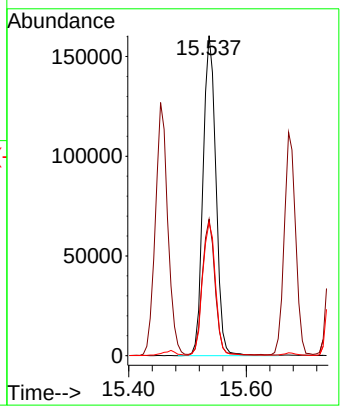


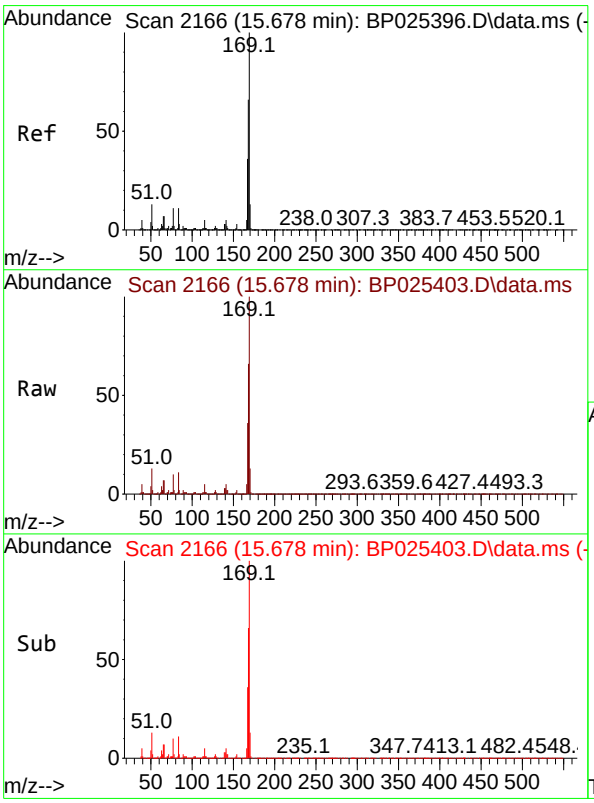
#65
4,6-Dinitro-2-methylphenol
Concen: 45.379 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 243710

Ion	Ratio	Lower	Upper
198	100		
51	42.7	19.6	59.6
105	41.6	20.9	60.9

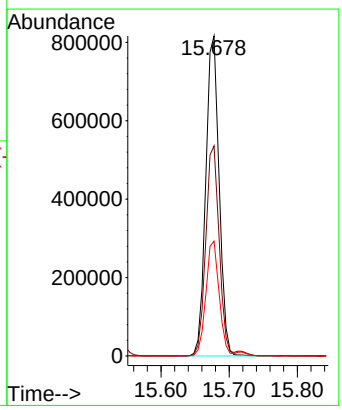


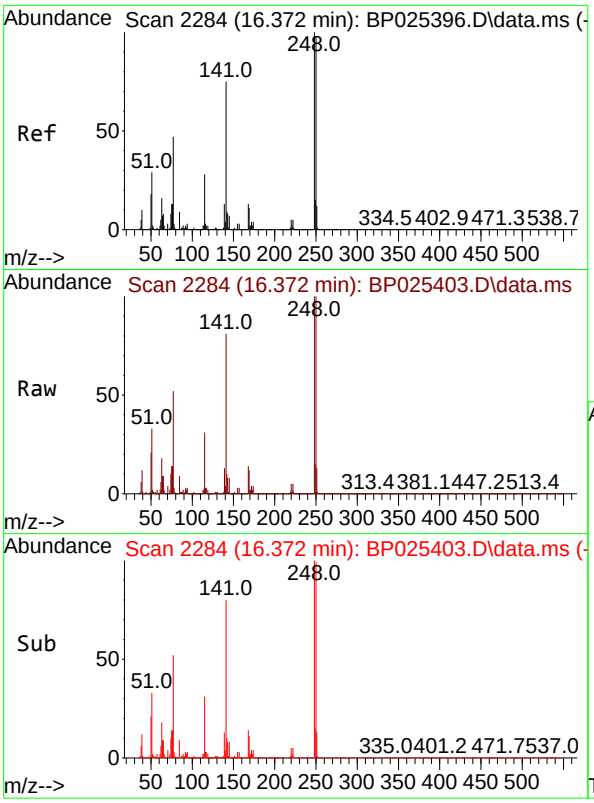


#66
n-Nitrosodiphenylamine
Concen: 42.319 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:169 Resp: 1111834

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	35.9	28.7	43.1



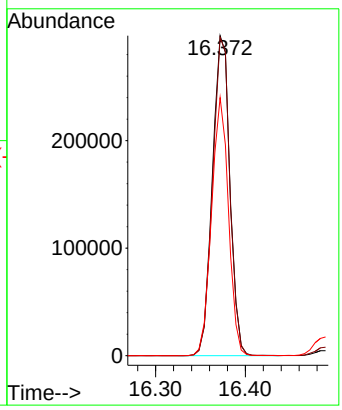


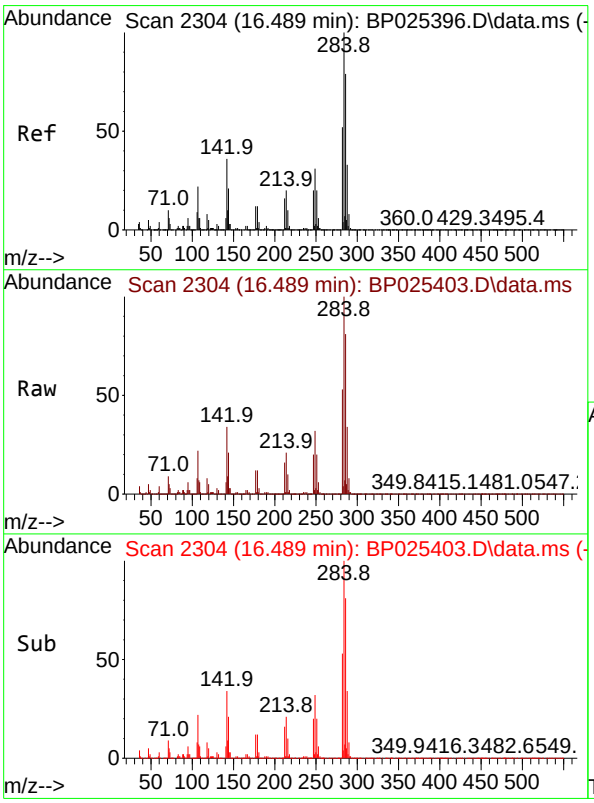
#67
4-Bromophenyl-phenylether
Concen: 42.554 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 403225

Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.2	117.2
141	80.6	59.6	89.4

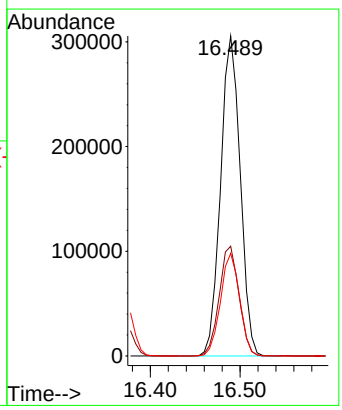


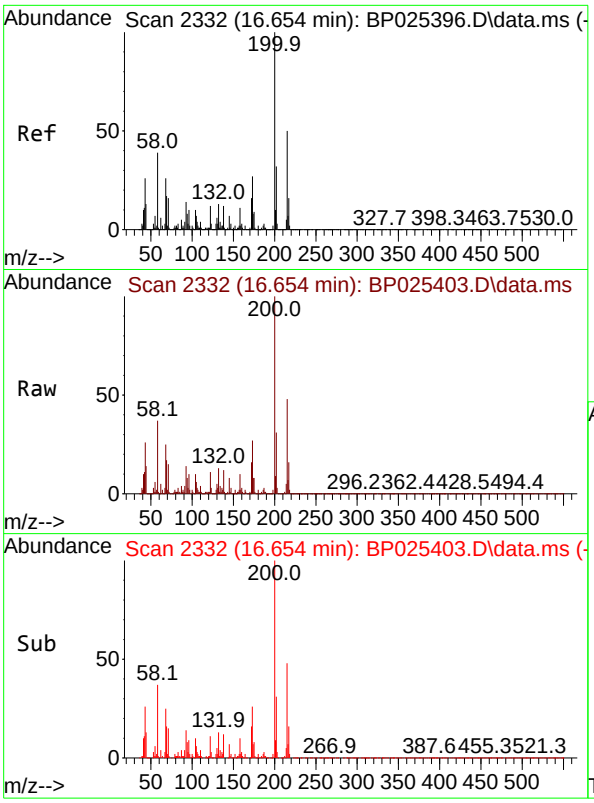


#68
Hexachlorobenzene
Concen: 42.233 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:284 Resp: 463895

Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.1	43.7
249	32.1	25.0	37.4



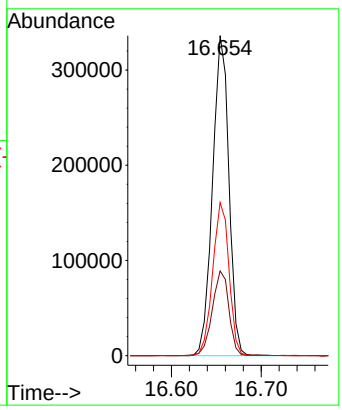


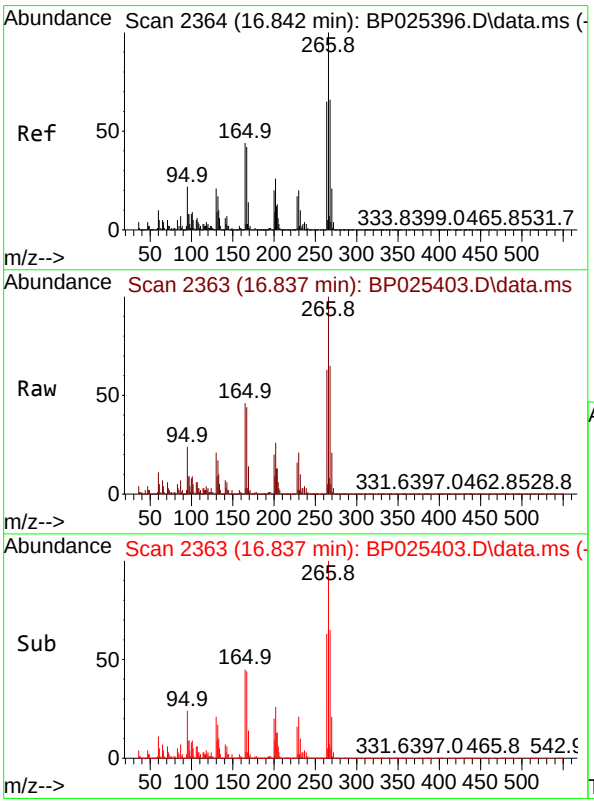
#69
Atrazine
Concen: 43.163 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 424688

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	47.8	29.7	69.7

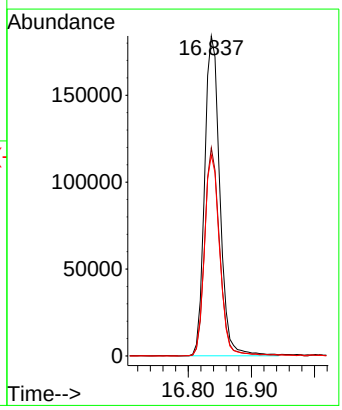


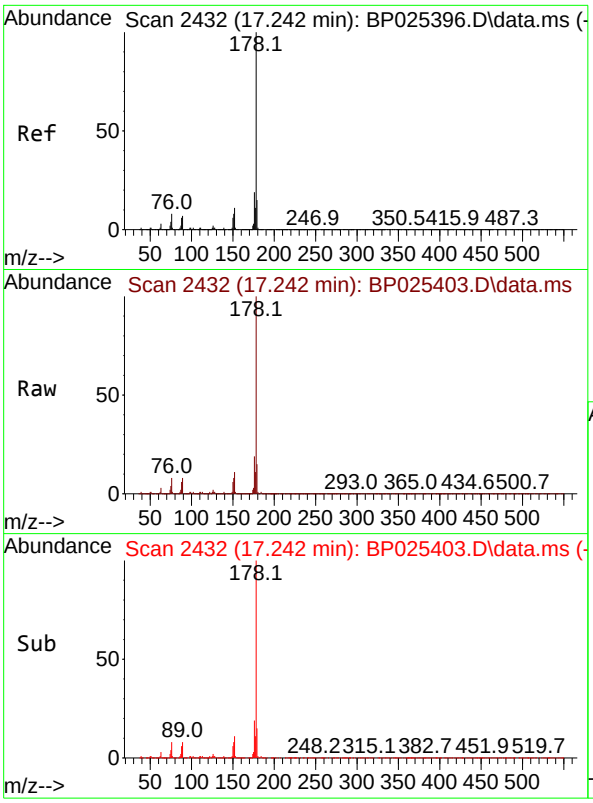


#70
Pentachlorophenol
Concen: 44.448 ng
RT: 16.837 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:266 Resp: 308191

Ion	Ratio	Lower	Upper
266	100		
268	65.1	52.6	79.0
264	62.8	52.0	78.0



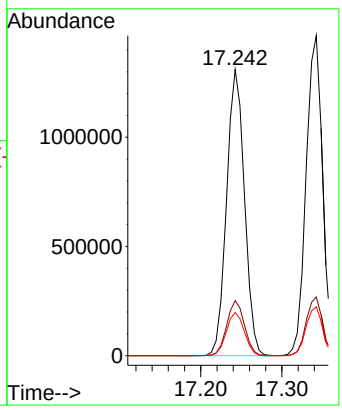


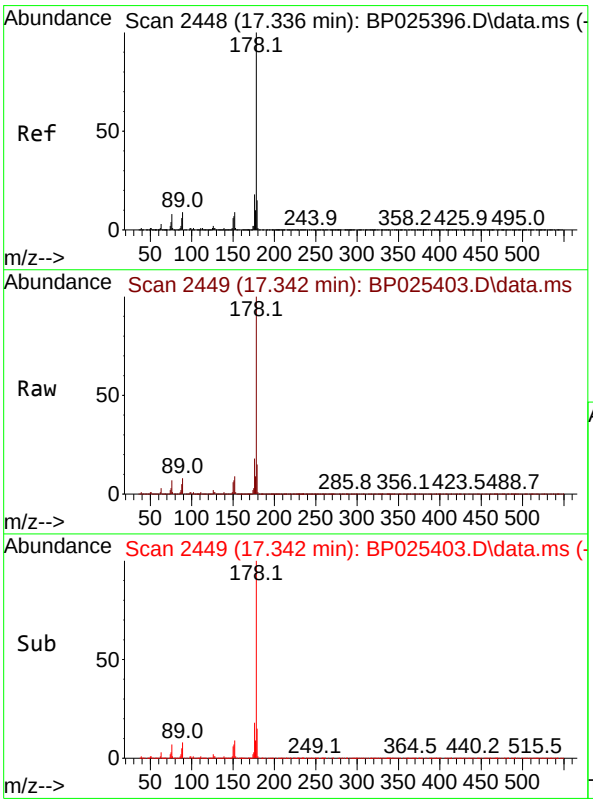
#71
Phenanthrene
Concen: 42.309 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2002433

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.1	12.2	18.4

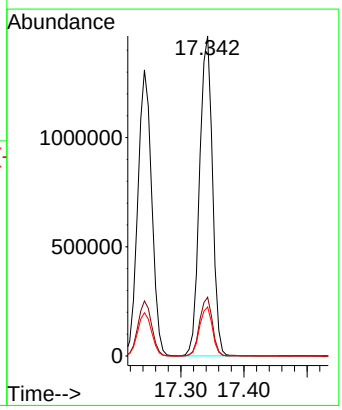


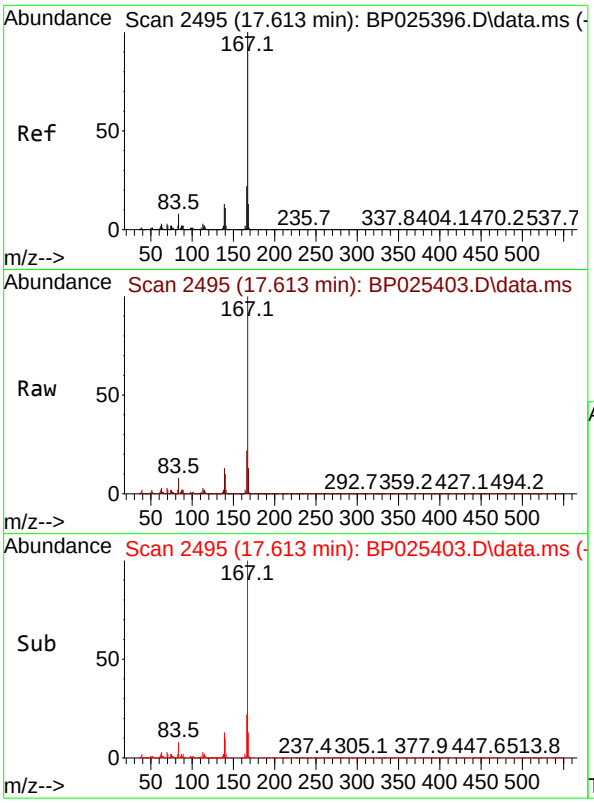


#72
Anthracene
Concen: 42.823 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:178 Resp: 2069708

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.2



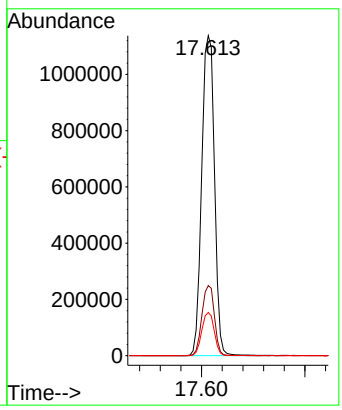


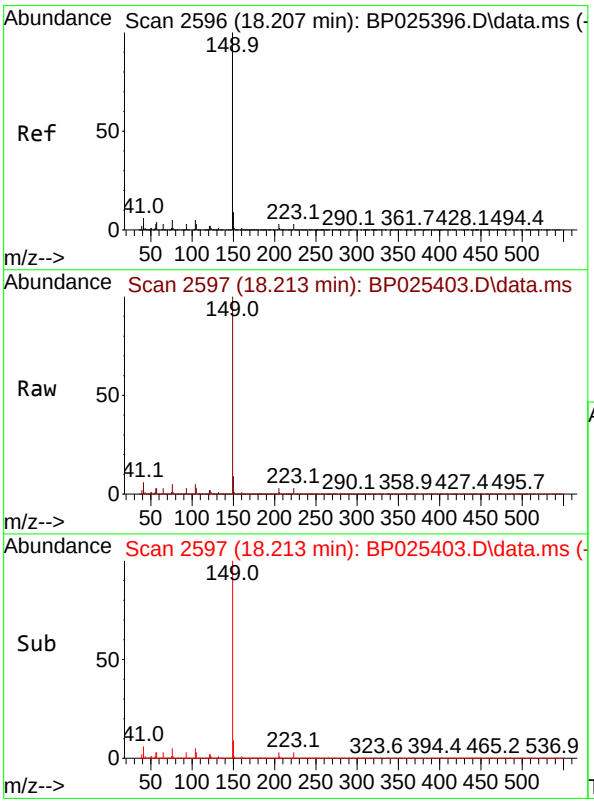
#73
Carbazole
Concen: 42.804 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1948636

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.5	10.6	16.0

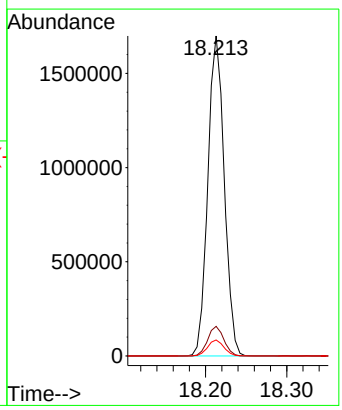


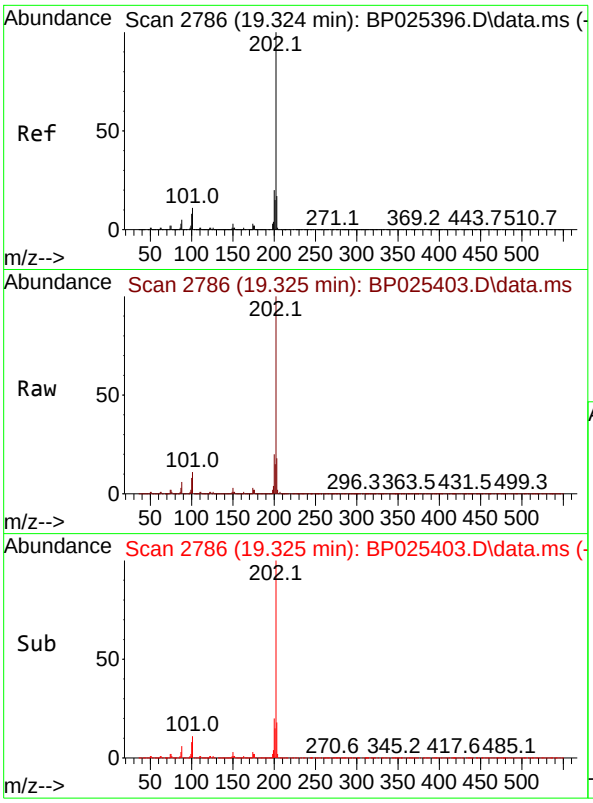


#74
Di-n-butylphthalate
Concen: 42.535 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 2382369

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.0	4.2	6.2



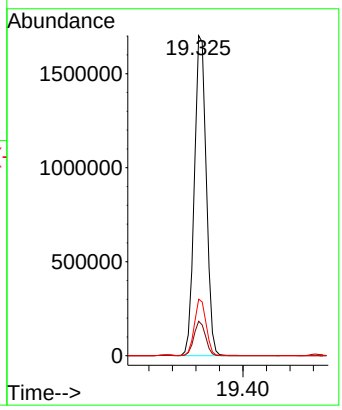


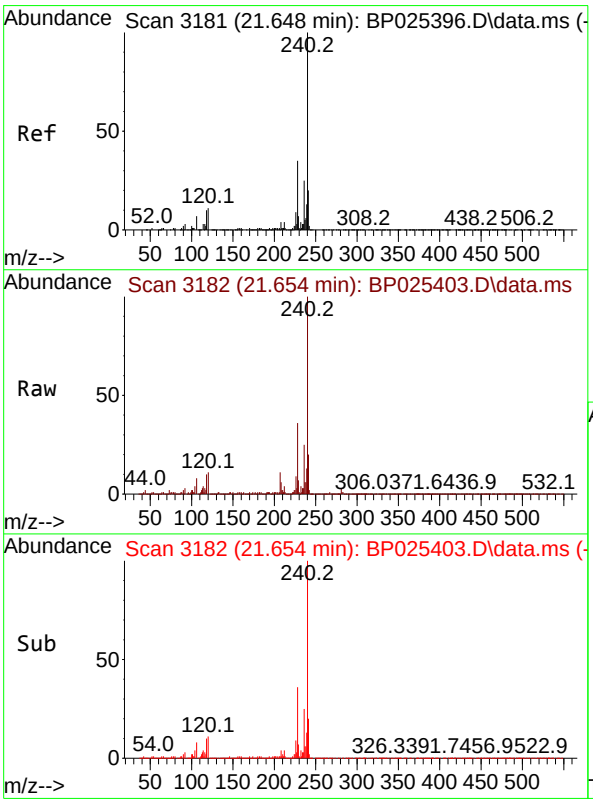
#75
Fluoranthene
Concen: 42.225 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2383806

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.1
203	17.6	0.0	37.3

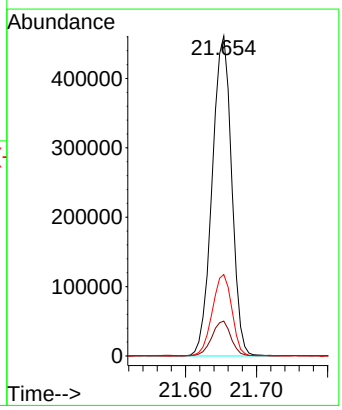


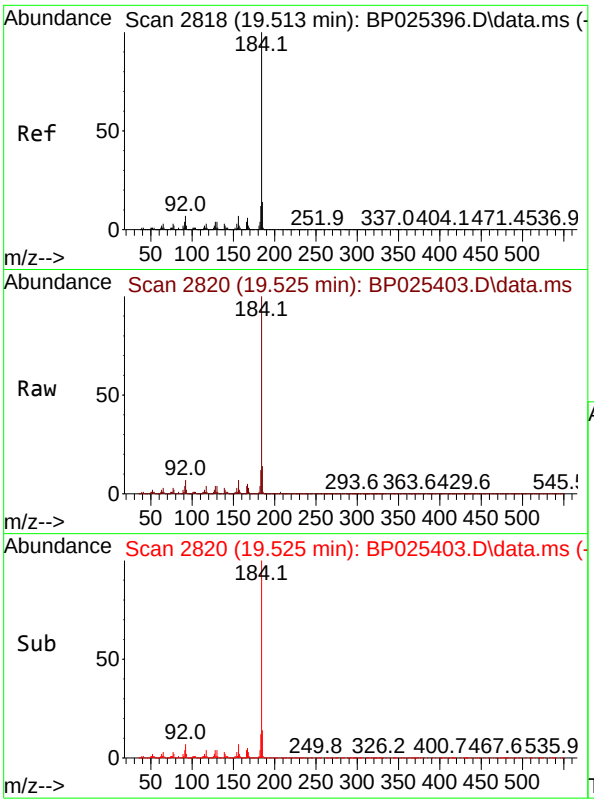


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:240 Resp: 877131

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.5	19.8	29.8



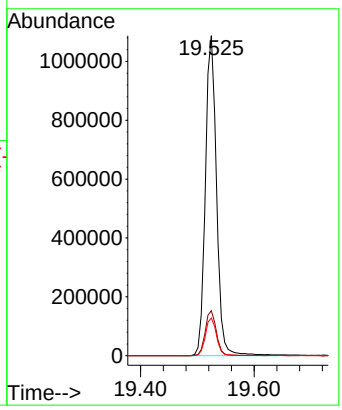


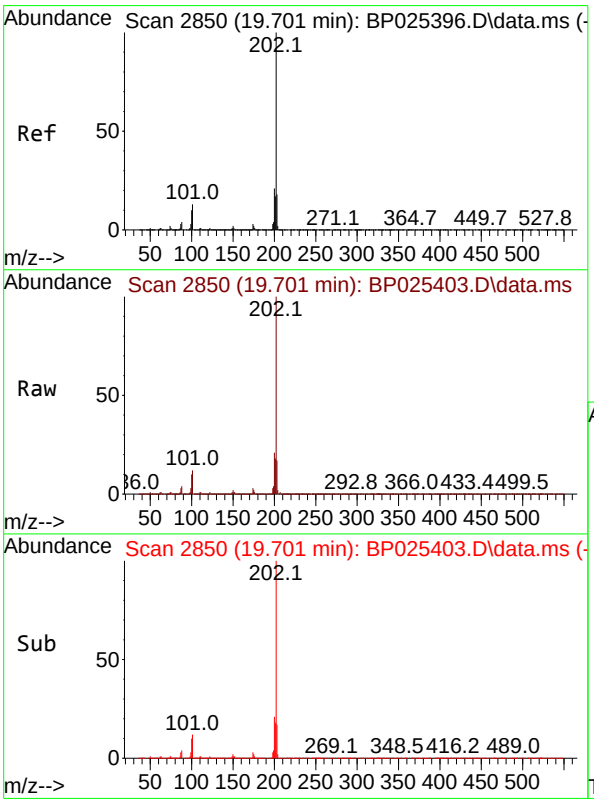
#77
Benzidine
Concen: 49.114 ng
RT: 19.525 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1470206

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.7	9.4	14.2

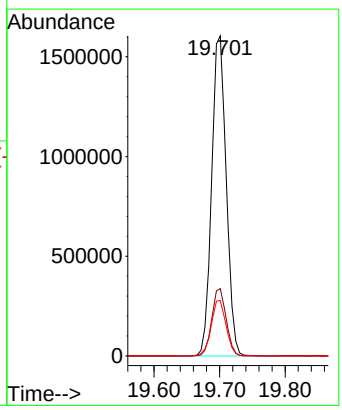


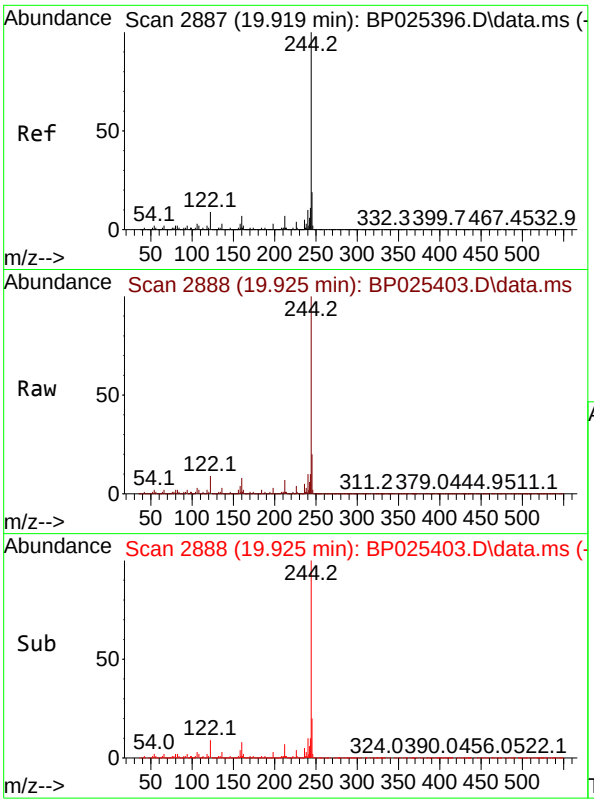


#78
Pyrene
Concen: 43.398 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:202 Resp: 2474163

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2



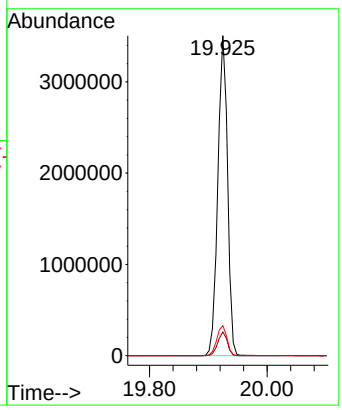


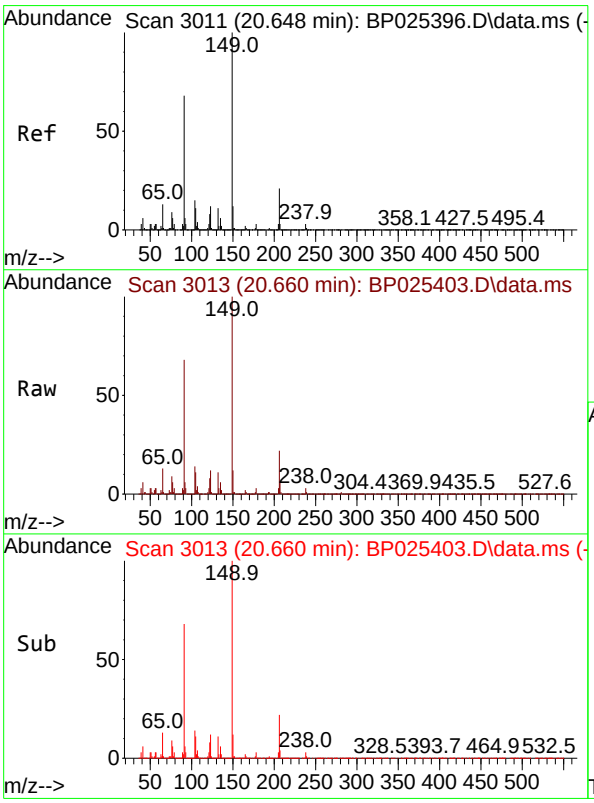
#79
Terphenyl-d14
Concen: 83.500 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 4003165

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.4	7.4	11.2

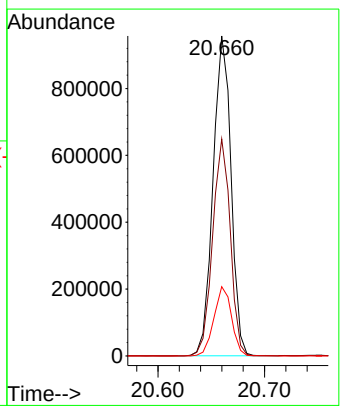


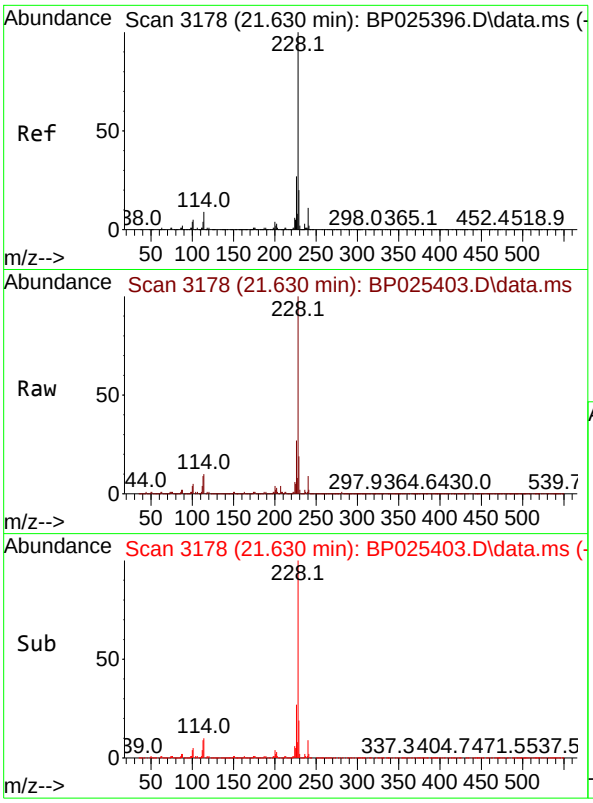


#80
Butylbenzylphthalate
Concen: 43.329 ng
RT: 20.660 min Scan# 3013
Delta R.T. 0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1119526

Ion	Ratio	Lower	Upper
149	100		
91	67.8	54.2	81.2
206	21.6	16.6	24.8



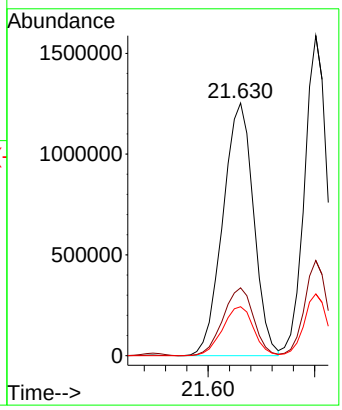


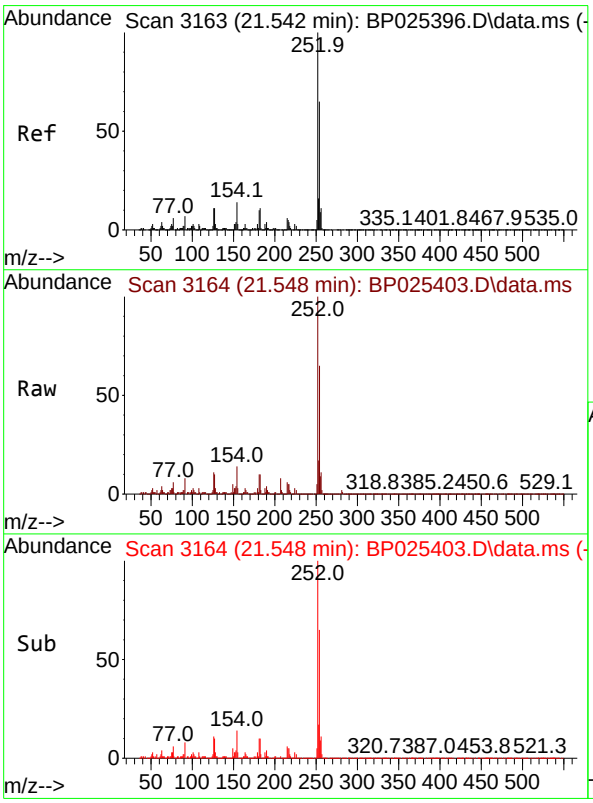
#81
Benzo(a)anthracene
Concen: 43.432 ng
RT: 21.630 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2512405

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.4	15.6	23.4

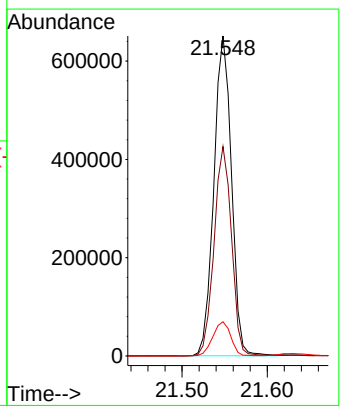


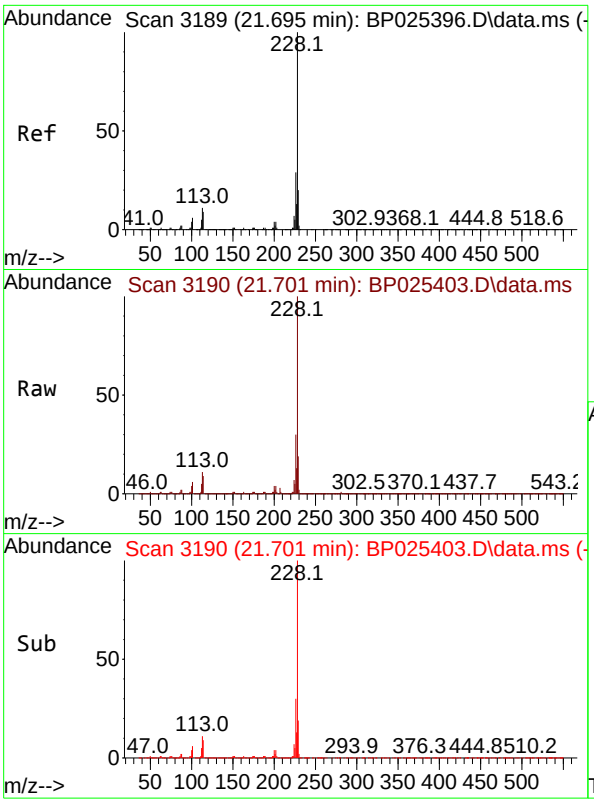


#82
3,3'-Dichlorobenzidine
Concen: 42.943 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 936326

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.8	77.6
126	10.7	9.1	13.7



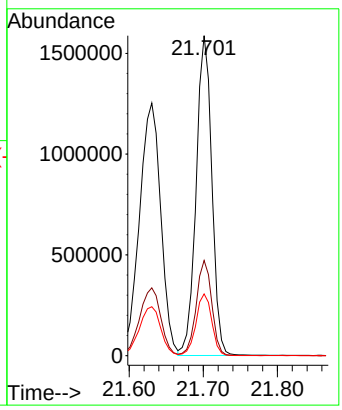


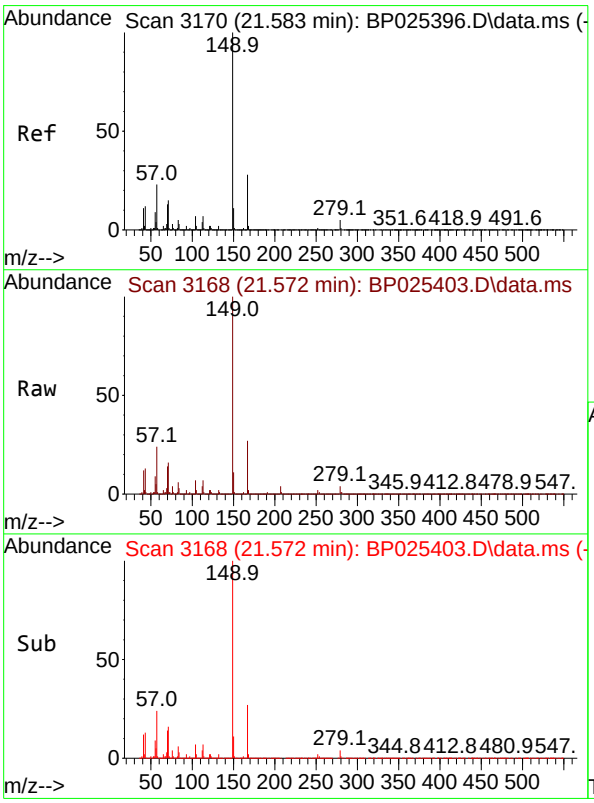
#83
Chrysene
Concen: 43.029 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2331047

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.3	15.6	23.4

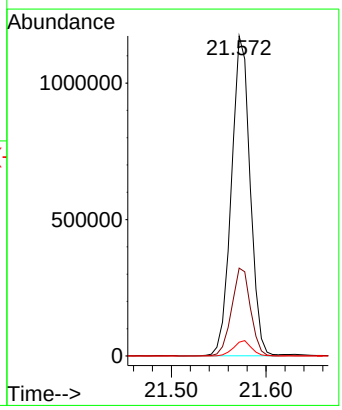


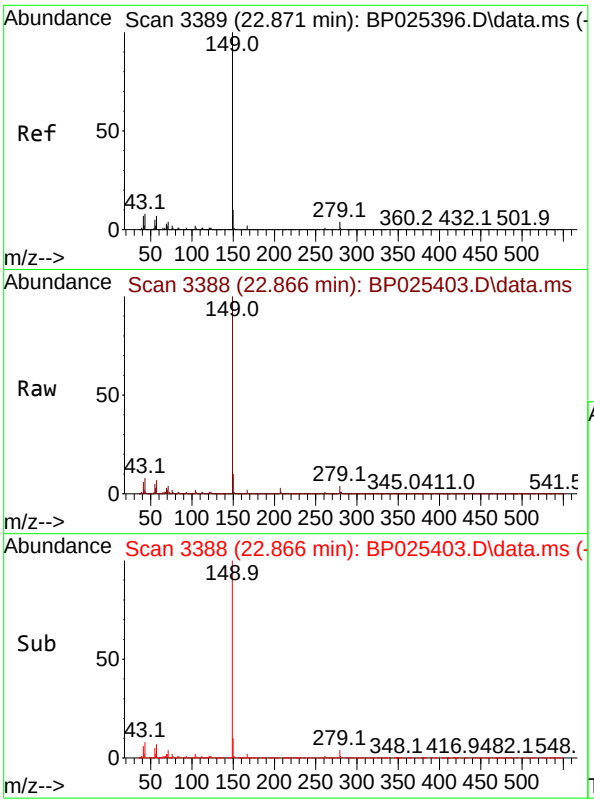


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.217 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:149 Resp: 1605733

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.3	3.8	5.6



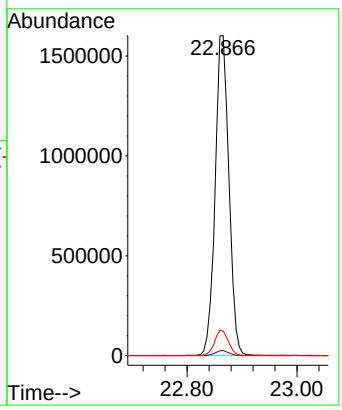


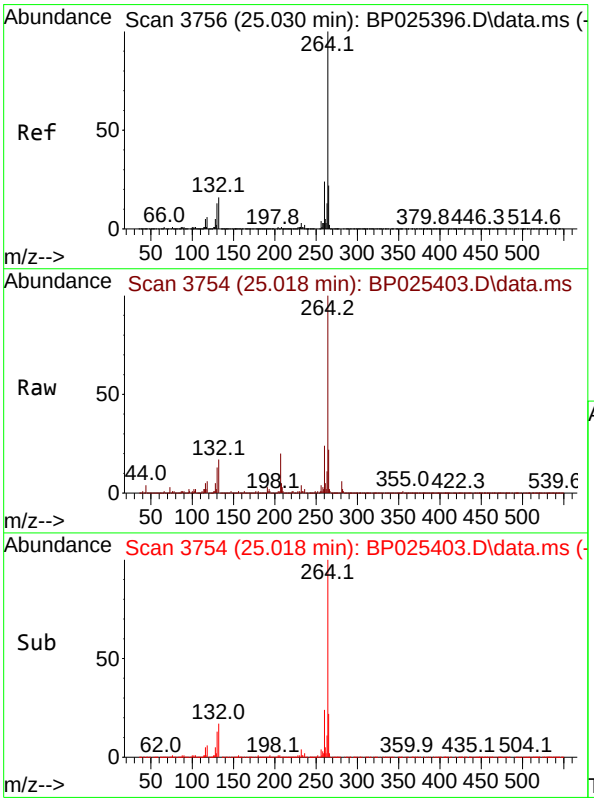
#85
Di-n-octyl phthalate
Concen: 42.618 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2788155

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

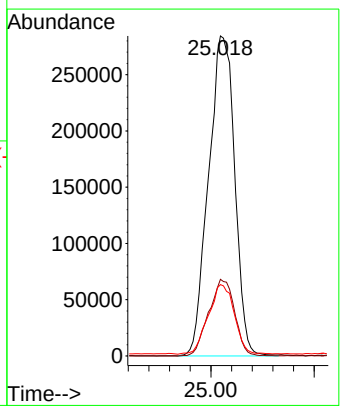


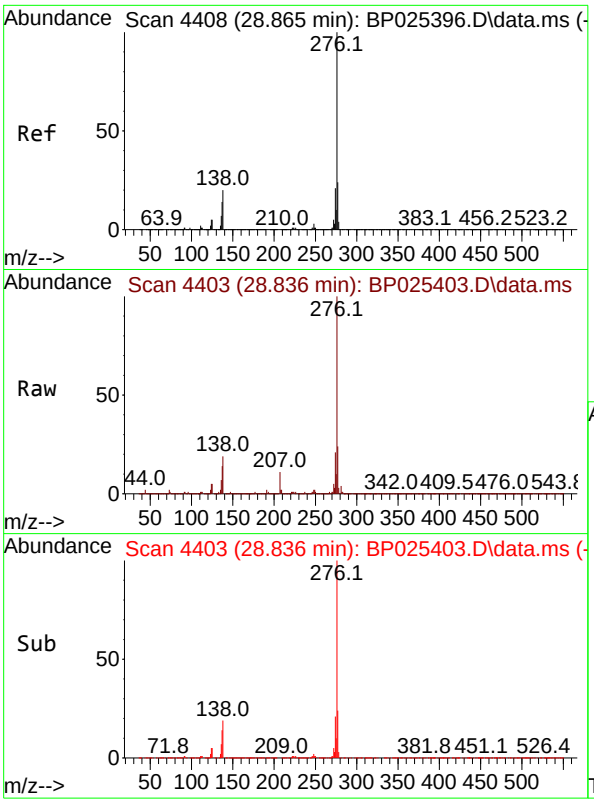


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:264 Resp: 1001441

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.3	17.4	26.0



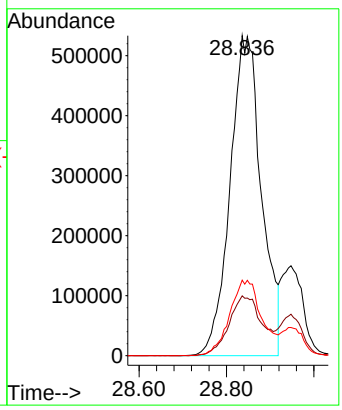


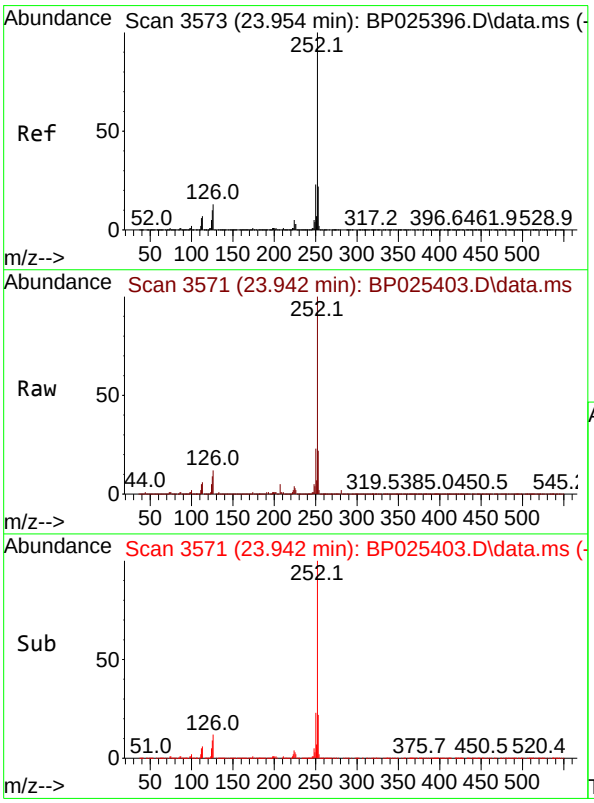
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.300 ng
RT: 28.836 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2665949

Ion	Ratio	Lower	Upper
276	100		
138	19.4	12.9	19.3#
277	24.2	17.0	25.6

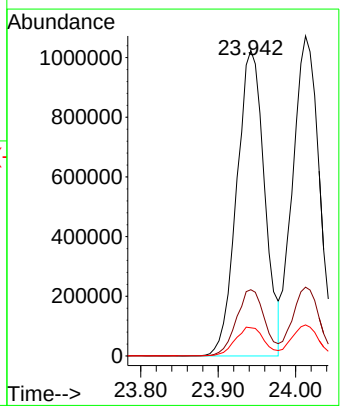


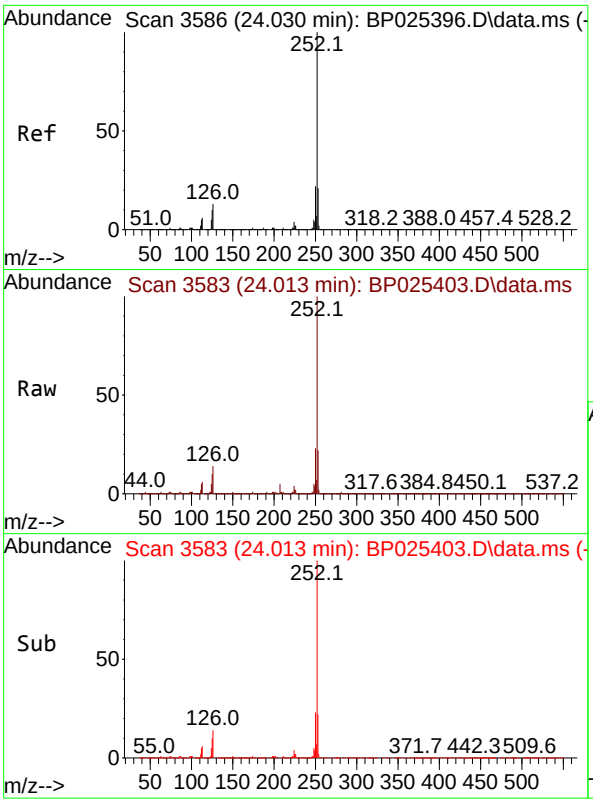


#88
Benzo(b)fluoranthene
Concen: 43.269 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 2555118

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.2	7.9	11.9



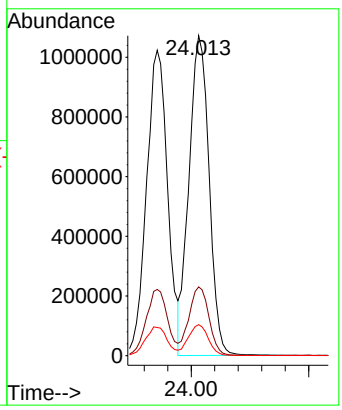


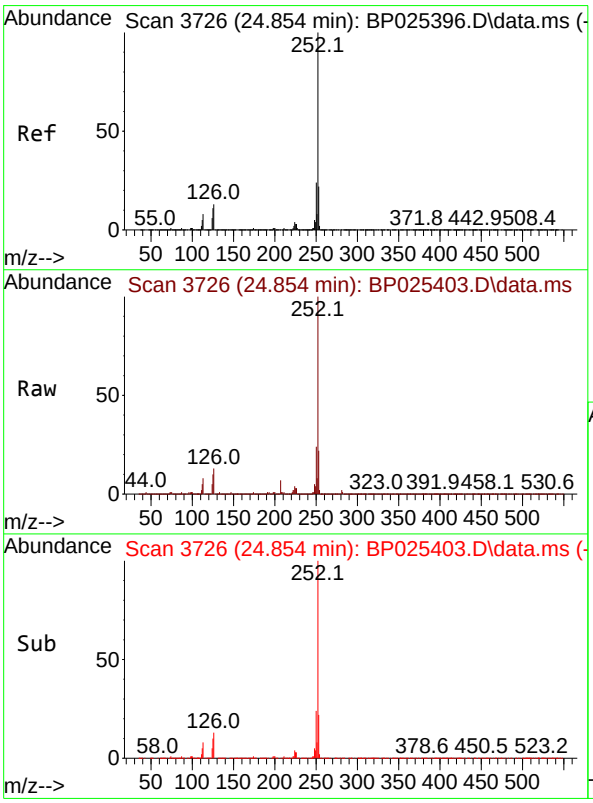
#89
Benzo(k)fluoranthene
Concen: 43.102 ng
RT: 24.013 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2547012

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	9.7	7.8	11.6

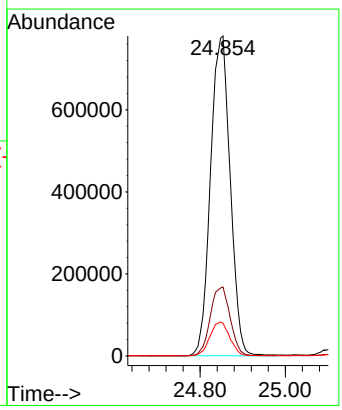


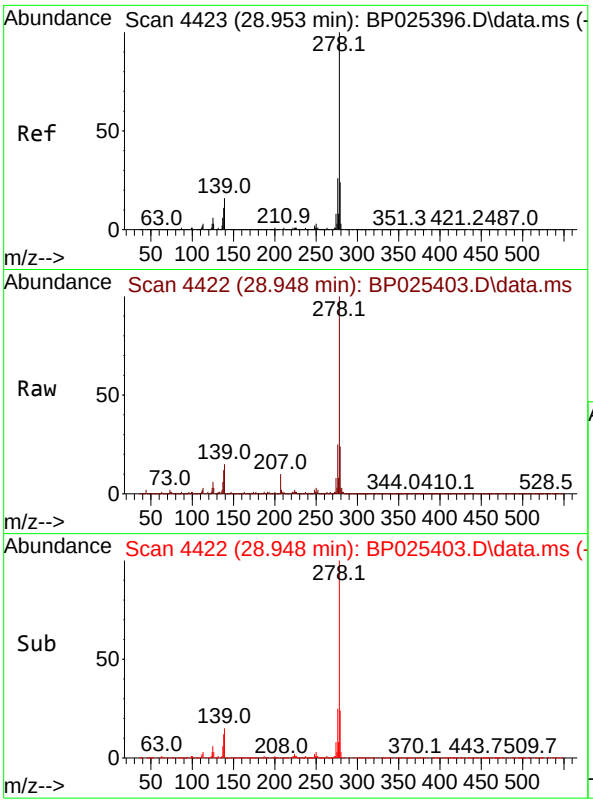


#90
Benzo(a)pyrene
Concen: 43.497 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:252 Resp: 2500332

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.3	8.7	13.1



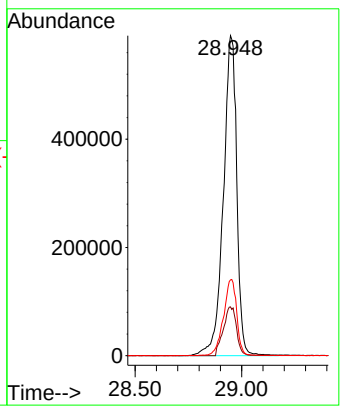


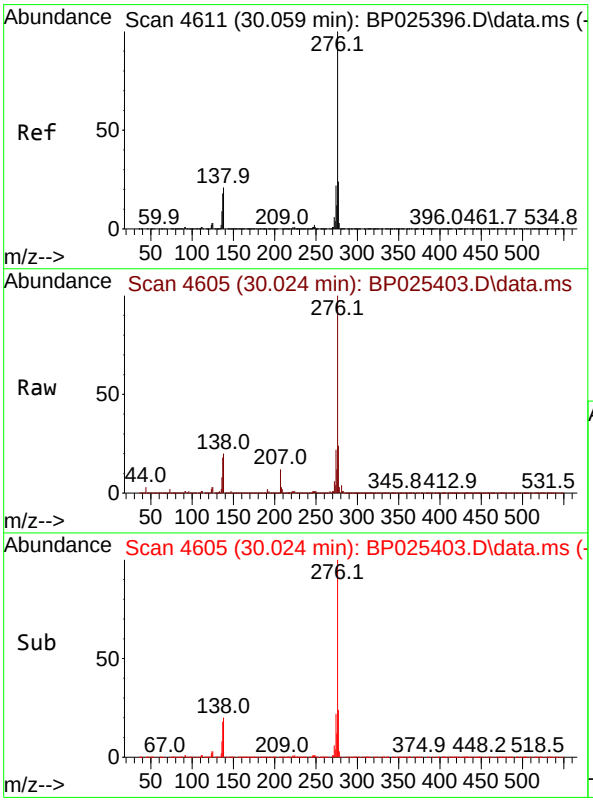
#91
Dibenzo(a,h)anthracene
Concen: 43.184 ng
RT: 28.948 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2591787

Ion	Ratio	Lower	Upper
278	100		
139	15.3	13.0	19.4
279	23.7	19.4	29.2

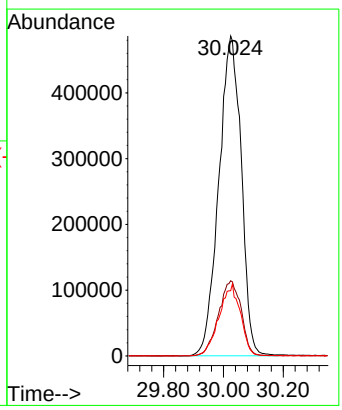




#92
Benzo(g,h,i)perylene
Concen: 42.869 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025403.D
Acq: 14 Aug 2025 20:51

Tgt Ion:276 Resp: 2529115

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	20.4	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	125696	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	523394	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	347617	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	711916	20.000	ng		0.00
76) Chrysene-d12	21.642	240	755861	20.000	ng		0.00
86) Perylene-d12	25.007	264	870596	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	613743	81.088	ng		0.00
7) Phenol-d6	6.966	99	791903	81.606	ng		0.00
23) Nitrobenzene-d5	8.931	82	844645	81.634	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	384325	82.139	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2044524	80.382	ng		0.00
79) Terphenyl-d14	19.913	244	3228271	78.141	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	119811	40.412	ng		99
3) Pyridine	3.731	79	323677	39.888	ng		97
4) n-Nitrosodimethylamine	3.637	42	137499	41.101	ng		100
6) Aniline	7.125	93	535660	40.970	ng		99
8) 2-Chlorophenol	7.360	128	344395	40.322	ng		98
9) Benzaldehyde	6.937	77	321407	47.275	ng		97
10) Phenol	6.990	94	415144	40.771	ng		97
11) bis(2-Chloroethyl)ether	7.213	93	317837	40.048	ng		99
12) 1,3-Dichlorobenzene	7.684	146	384528	40.829	ng		99
13) 1,4-Dichlorobenzene	7.825	146	390491	40.565	ng		97
14) 1,2-Dichlorobenzene	8.137	146	369165	39.617	ng		97
15) Benzyl Alcohol	8.019	79	313588	40.671	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.313	45	417099	39.232	ng		100
17) 2-Methylphenol	8.225	107	288474	40.791	ng		99
18) Hexachloroethane	8.860	117	140690	39.750	ng		93
19) n-Nitroso-di-n-propyla...	8.584	70	261390	40.666	ng		97
20) 3+4-Methylphenols	8.549	107	399643	40.768	ng		97
22) Acetophenone	8.601	105	537231	40.930	ng	#	97
24) Nitrobenzene	8.972	77	380213	41.117	ng		100
25) Isophorone	9.496	82	744195	40.642	ng		99
26) 2-Nitrophenol	9.672	139	194543	40.994	ng		99
27) 2,4-Dimethylphenol	9.737	122	335562	41.117	ng		95
28) bis(2-Chloroethoxy)met...	9.966	93	441941	39.927	ng		100
29) 2,4-Dichlorophenol	10.207	162	336641	41.524	ng		99
30) 1,2,4-Trichlorobenzene	10.419	180	354463	39.885	ng		98
31) Naphthalene	10.607	128	1093427	40.194	ng		99
32) Benzoic acid	9.866	122	233390	38.736	ng		99
33) 4-Chloroaniline	10.707	127	495623	41.245	ng		99
34) Hexachlorobutadiene	10.896	225	224258	40.518	ng		98
35) Caprolactam	11.484	113	123107	41.412	ng		96
36) 4-Chloro-3-methylphenol	11.831	107	385915	41.484	ng		100
37) 2-Methylnaphthalene	12.213	142	705161	39.832	ng		98
38) 1-Methylnaphthalene	12.431	142	747864	39.723	ng		98
40) 1,2,4,5-Tetrachloroben...	12.578	216	405013	40.342	ng		100
41) Hexachlorocyclopentadiene	12.566	237	260202	42.907	ng		100
43) 2,4,6-Trichlorophenol	12.819	196	278358	41.069	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.890	196	307958	41.457	ng	97
46) 1,1'-Biphenyl	13.225	154	1008154	39.933	ng	99
47) 2-Chloronaphthalene	13.266	162	792217	40.309	ng	99
48) 2-Nitroaniline	13.466	65	242354	42.321	ng	98
49) Acenaphthylene	14.119	152	1339242	41.180	ng	100
50) Dimethylphthalate	13.854	163	1040970	40.894	ng	99
51) 2,6-Dinitrotoluene	13.966	165	224718	41.884	ng	99
52) Acenaphthene	14.472	154	781821	40.956	ng	100
53) 3-Nitroaniline	14.289	138	253400	41.978	ng	98
54) 2,4-Dinitrophenol	14.507	184	119870	41.836	ng	97
55) Dibenzofuran	14.807	168	1213914	40.222	ng	99
56) 4-Nitrophenol	14.613	139	206425	41.615	ng	96
57) 2,4-Dinitrotoluene	14.760	165	324412	42.379	ng	98
58) Fluorene	15.466	166	964155	40.486	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.031	232	274669	41.876	ng	99
60) Diethylphthalate	15.242	149	1047107	40.483	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	476298	40.215	ng	98
62) 4-Nitroaniline	15.472	138	261619	42.276	ng	98
63) Azobenzene	15.760	77	910196	41.097	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	180993	40.785	ng	99
66) n-Nitrosodiphenylamine	15.678	169	864418	39.818	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	310981	39.718	ng	96
68) Hexachlorobenzene	16.489	284	361031	39.777	ng	100
69) Atrazine	16.654	200	329865	40.573	ng	99
70) Pentachlorophenol	16.842	266	256195	44.716	ng	96
71) Phenanthrene	17.242	178	1561490	39.928	ng	99
72) Anthracene	17.330	178	1600393	40.073	ng	99
73) Carbazole	17.607	167	1529199	40.652	ng	99
74) Di-n-butylphthalate	18.213	149	1855338	40.088	ng	99
75) Fluoranthene	19.324	202	1879703	40.295	ng	98
77) Benzidine	19.507	184	1255588	48.674	ng	99
78) Pyrene	19.695	202	1927979	39.243	ng	99
80) Butylbenzylphthalate	20.648	149	888903	39.923	ng	96
81) Benzo(a)anthracene	21.618	228	2011424	40.350	ng	100
82) 3,3'-Dichlorobenzidine	21.530	252	771557	41.063	ng	99
83) Chrysene	21.689	228	1894765	40.587	ng	99
84) Bis(2-ethylhexyl)phtha...	21.560	149	1295582	39.528	ng	99
85) Di-n-octyl phthalate	22.860	149	2243739	39.799	ng	100
87) Indeno(1,2,3-cd)pyrene	28.836	276	2243168	35.134	ng	94
88) Benzo(b)fluoranthene	23.942	252	2087946	40.672	ng	100
89) Benzo(k)fluoranthene	24.024	252	2049523	39.896	ng	99
90) Benzo(a)pyrene	24.854	252	2004437	40.111	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2103391	40.314	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2062390	40.212	ng	99

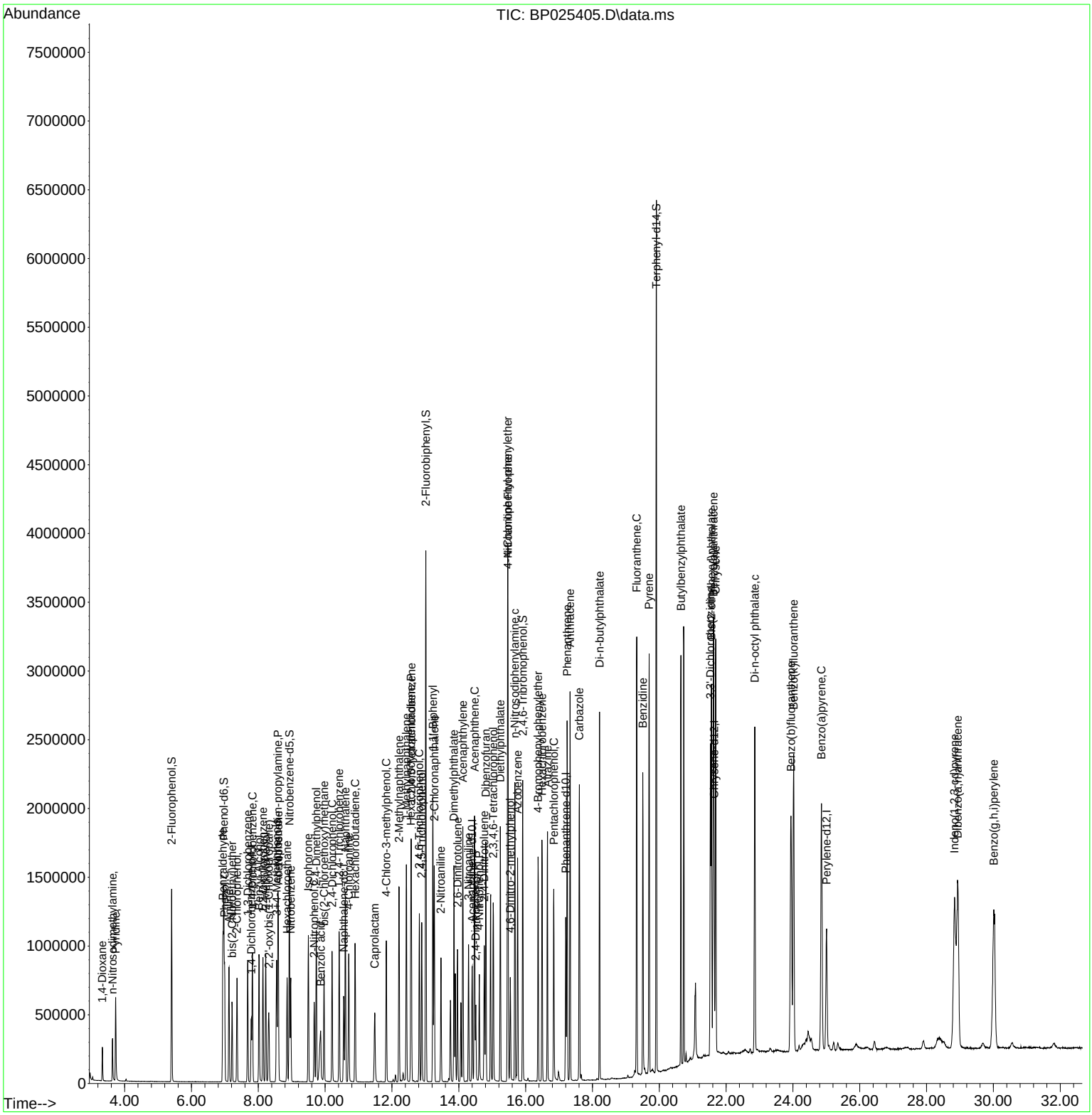
(#) = qualifier out of range (m) = manual integration (+) = signals summed

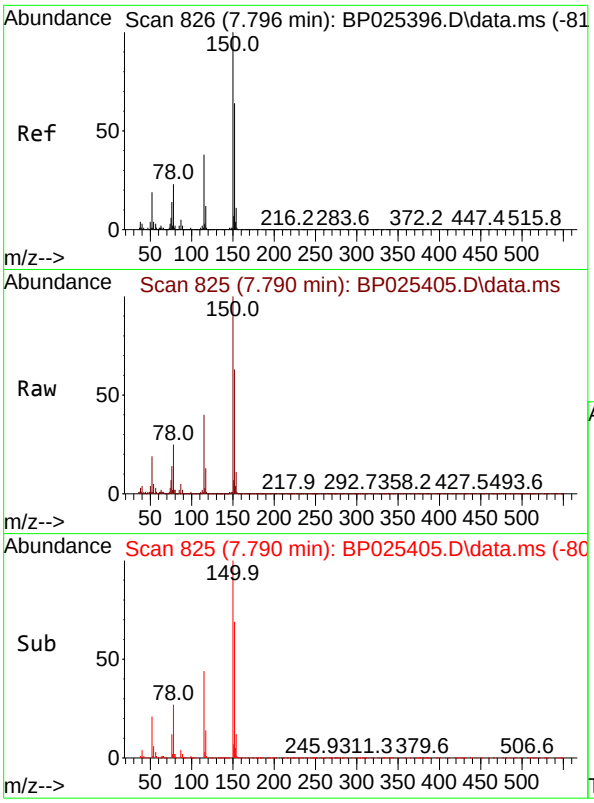
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025405.D
Acq On : 14 Aug 2025 22:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 01:38:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



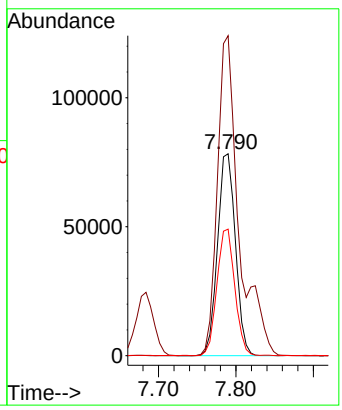


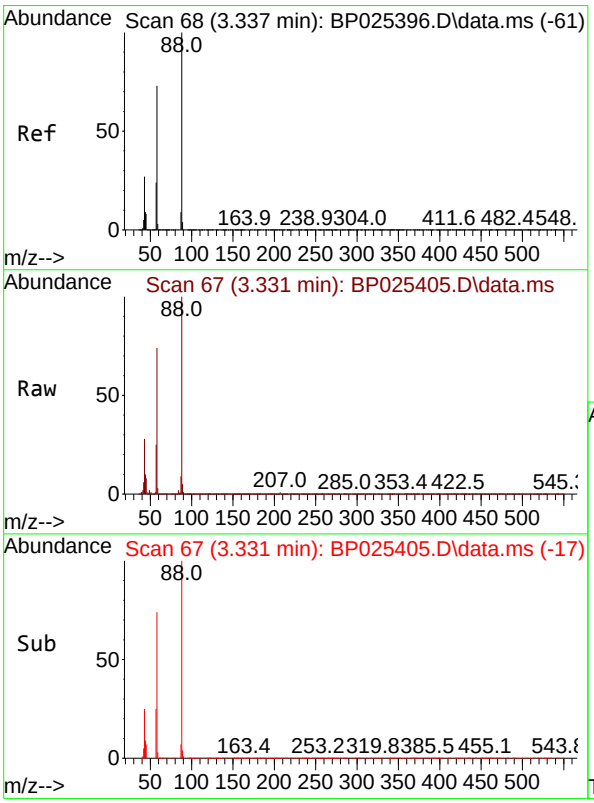
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 125696

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	62.7	48.5	72.7

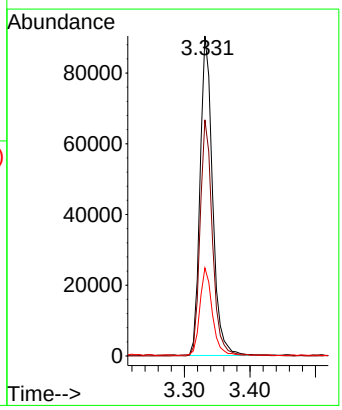


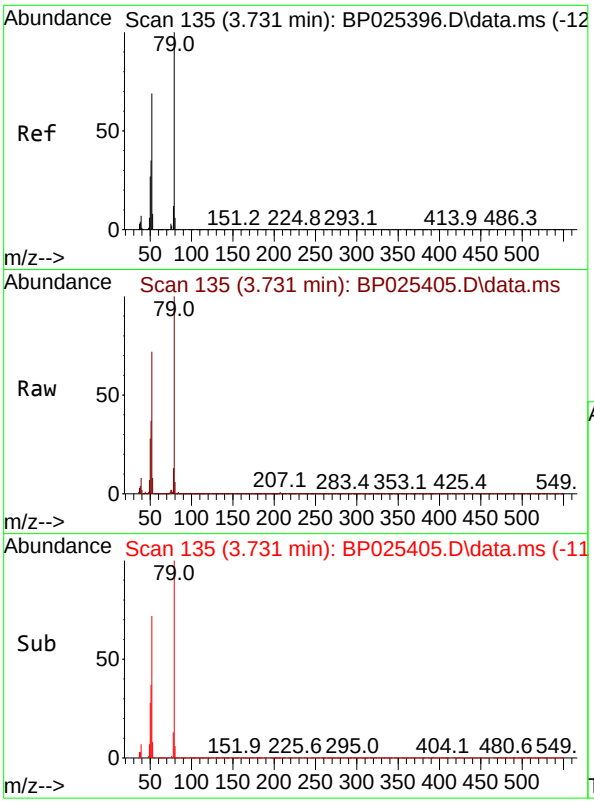


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 88 Resp: 119811

Ion	Ratio	Lower	Upper
88	100		
58	73.4	59.2	88.8
43	27.2	21.7	32.5



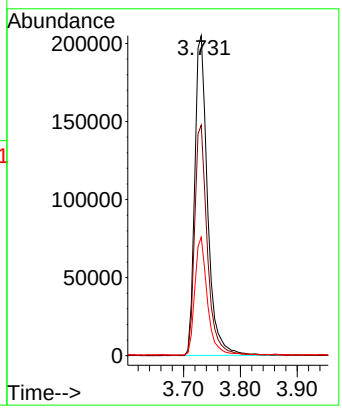


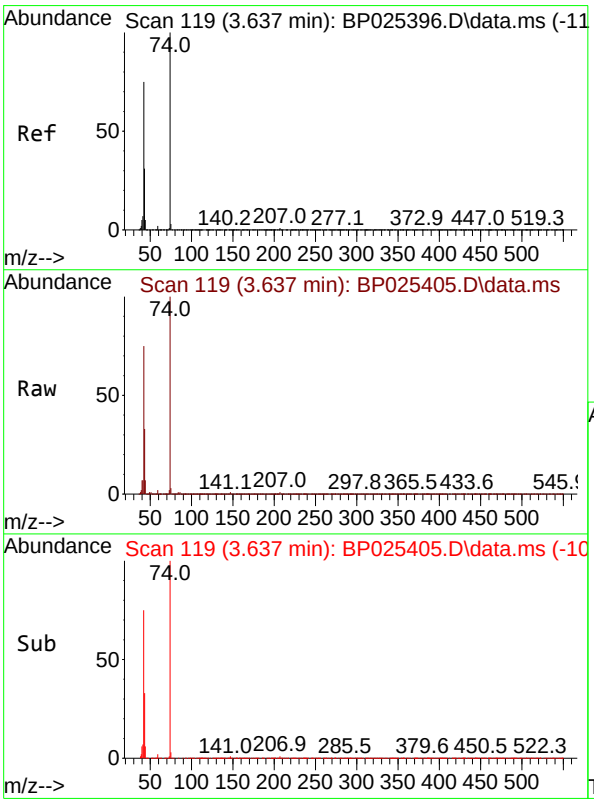
#3
Pyridine
Concen: 39.888 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 323677

Ion	Ratio	Lower	Upper
79	100		
52	72.1	55.5	83.3
51	37.0	28.3	42.5

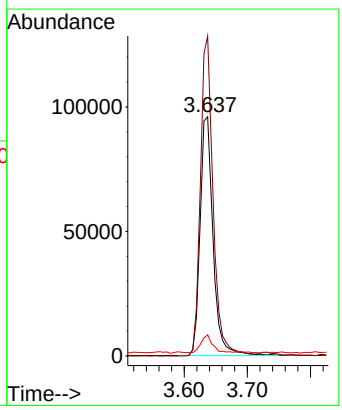


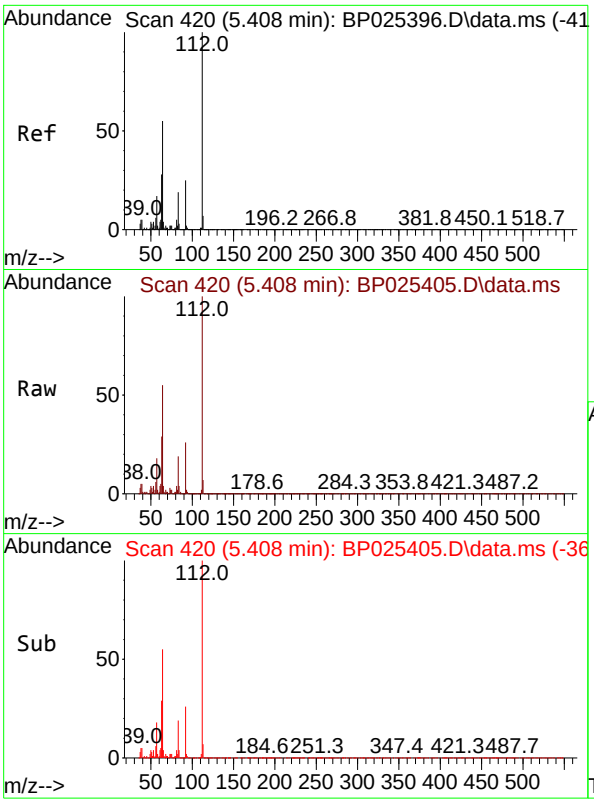


#4
n-Nitrosodimethylamine
Concen: 41.101 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 42 Resp: 137499

Ion	Ratio	Lower	Upper
42	100		
74	133.7	107.0	160.4
44	8.8	6.2	9.4



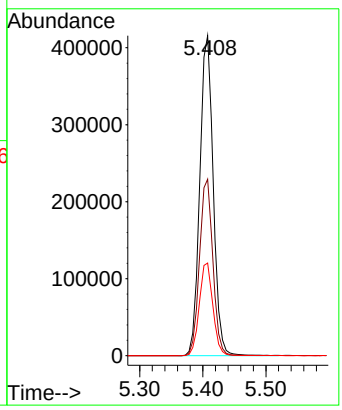


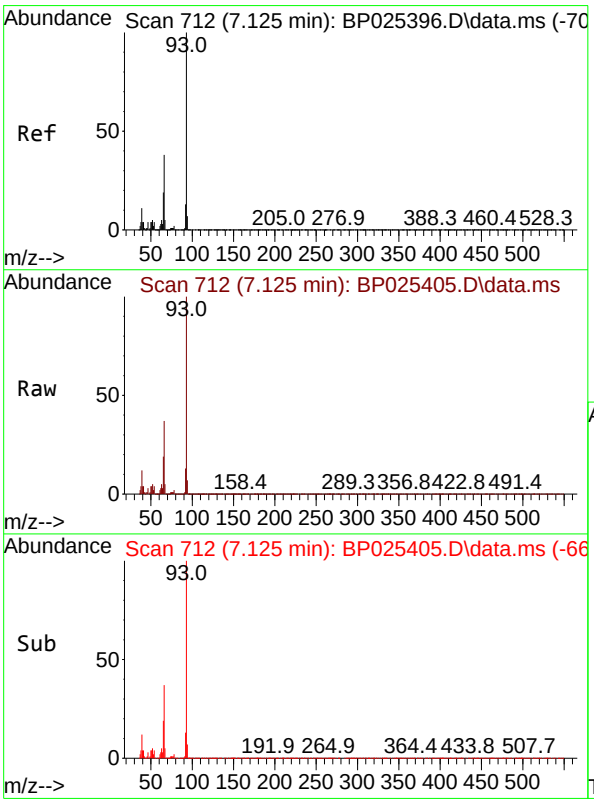
#5
2-Fluorophenol
Concen: 81.088 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 613743

Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.8	65.8
63	29.0	22.7	34.1

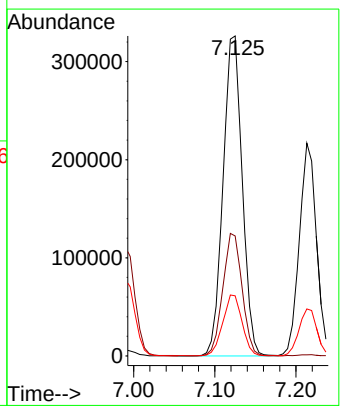


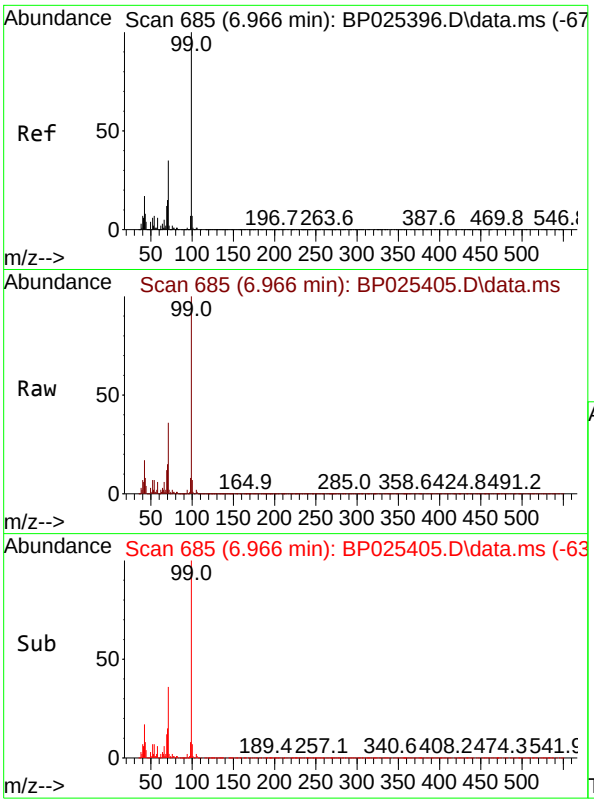


#6
Aniline
Concen: 40.970 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 535660

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.4	45.6
65	18.8	15.3	22.9



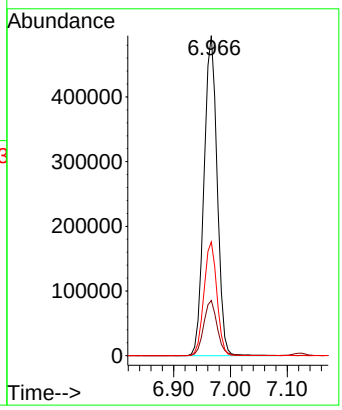


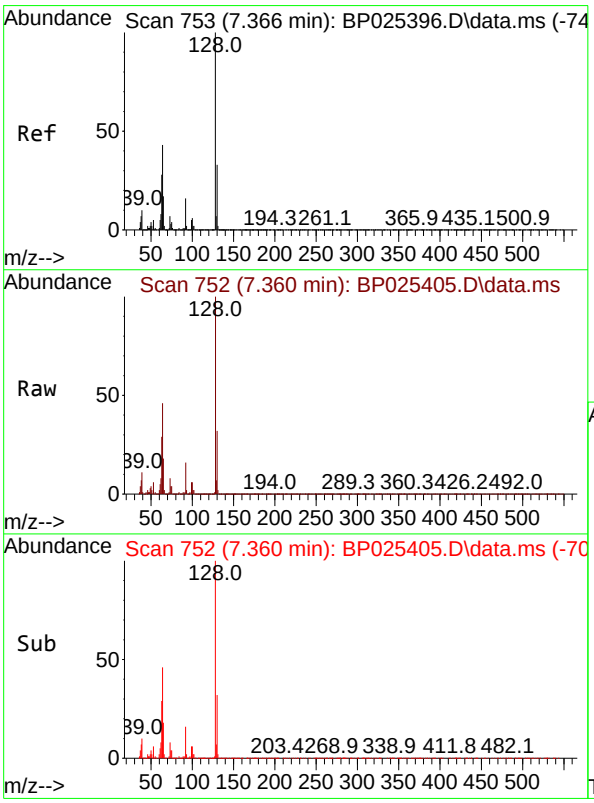
#7
Phenol-d6
Concen: 81.606 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 791903

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.7	20.5
71	35.6	28.2	42.4

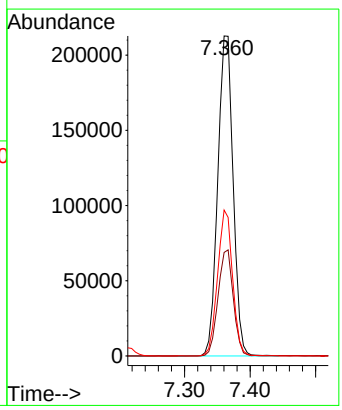


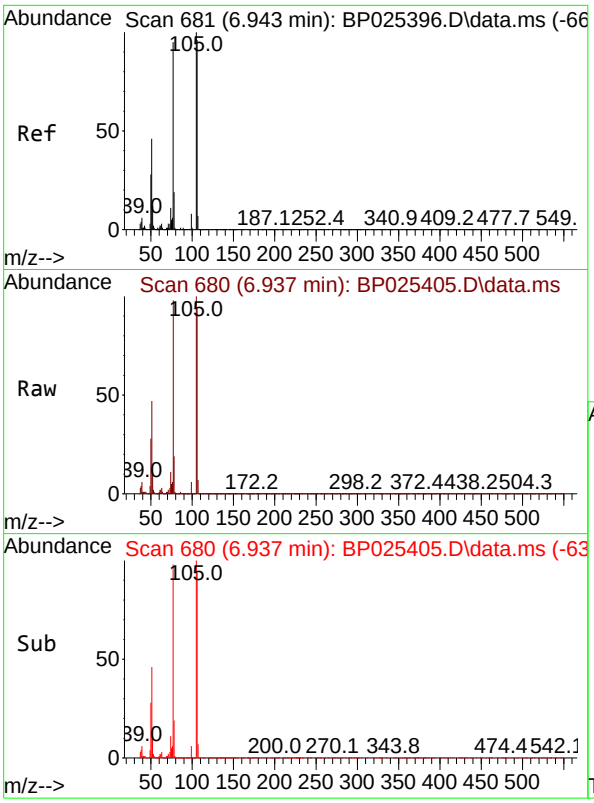


#8
2-Chlorophenol
Concen: 40.322 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:128 Resp: 344395

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.6	23.4	63.4



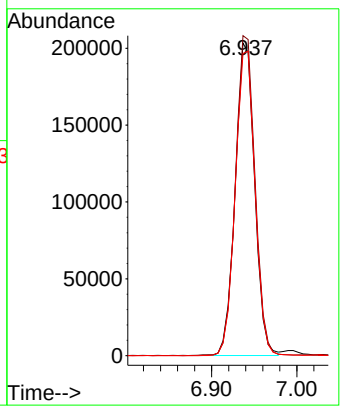


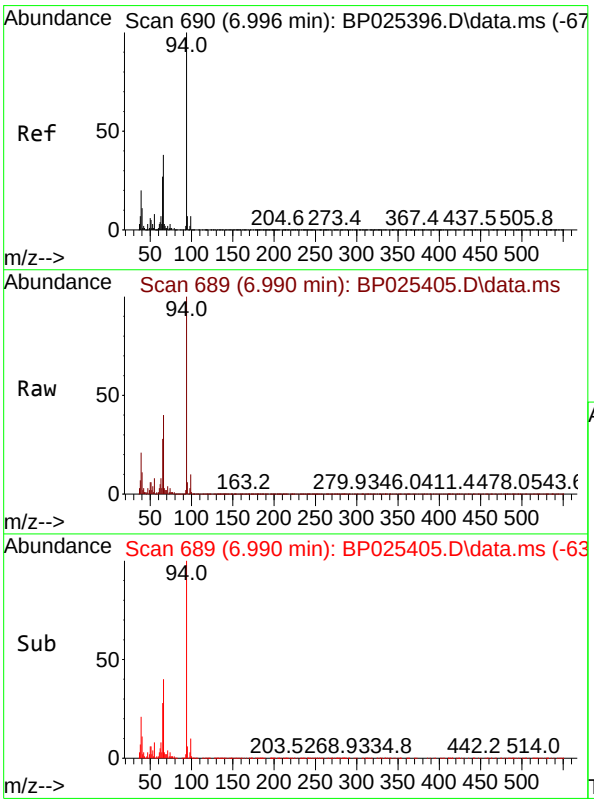
#9
Benzaldehyde
Concen: 47.275 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 321407

Ion	Ratio	Lower	Upper
77	100		
105	102.4	84.8	124.8
106	96.7	80.5	120.5

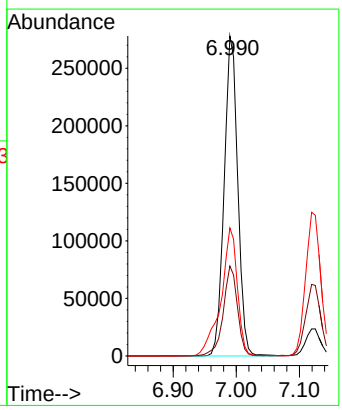


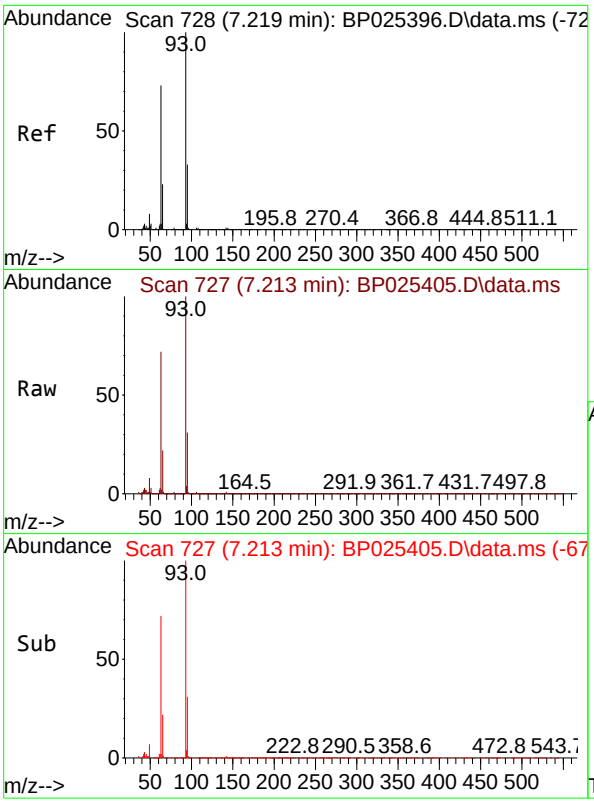


#10
Phenol
Concen: 40.771 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 94 Resp: 415144

Ion	Ratio	Lower	Upper
94	100		
65	28.1	6.8	46.8
66	40.0	18.2	58.2



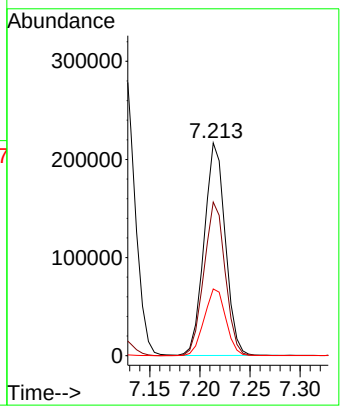


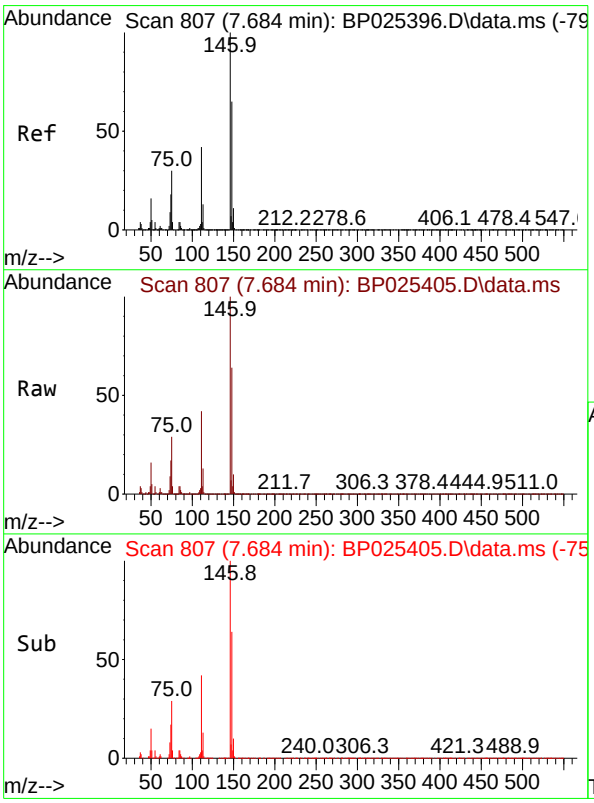
#11
bis(2-Chloroethyl)ether
Concen: 40.048 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 317837

Ion	Ratio	Lower	Upper
93	100		
63	72.2	52.6	92.6
95	31.4	12.7	52.7

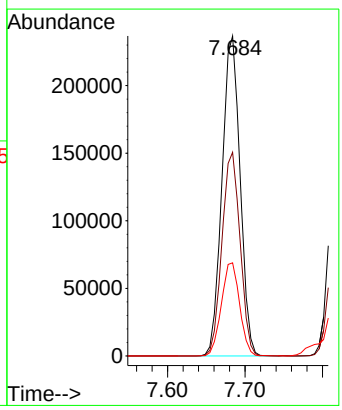


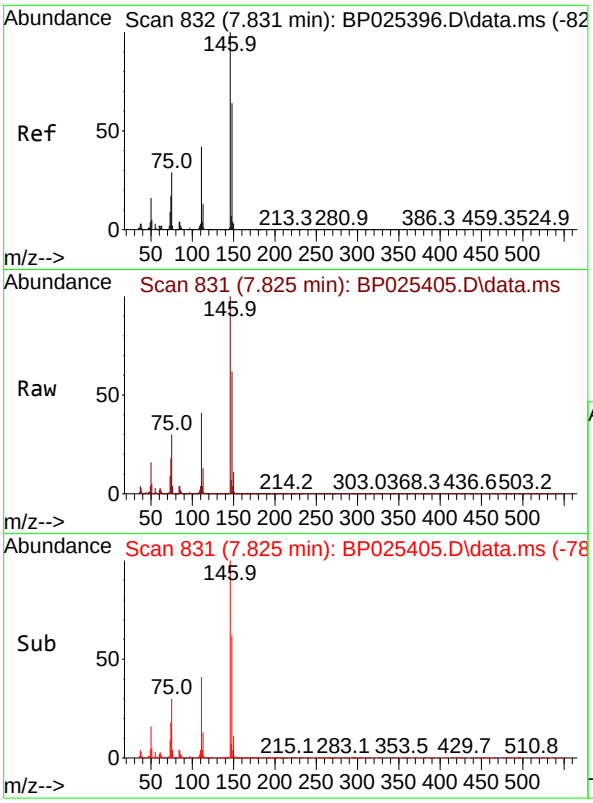


#12
1,3-Dichlorobenzene
Concen: 40.829 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:146 Resp: 384528

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
75	29.1	23.7	35.5



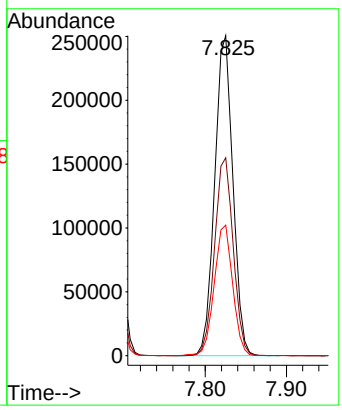


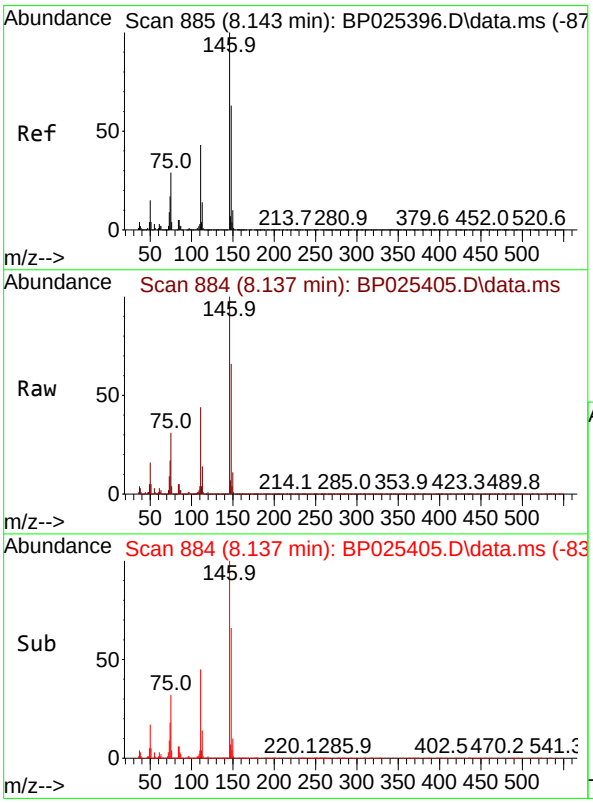
#13
1,4-Dichlorobenzene
Concen: 40.565 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 390491

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.6	77.4
111	40.8	33.4	50.0

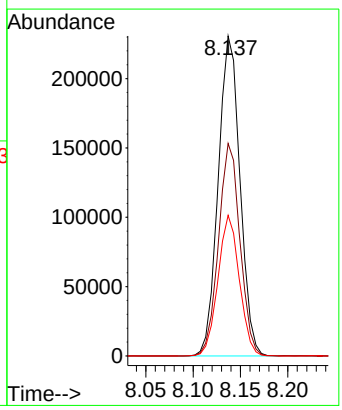


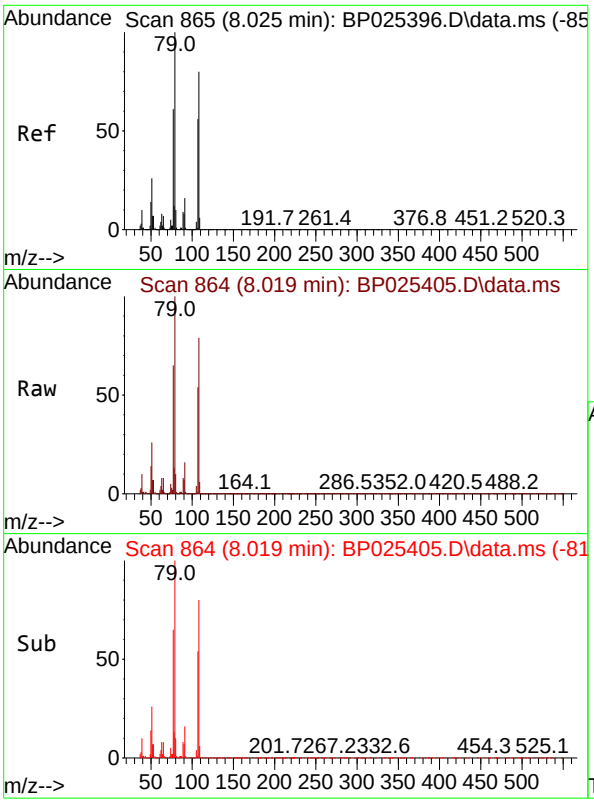


#14
1,2-Dichlorobenzene
Concen: 39.617 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:146 Resp: 369165

Ion	Ratio	Lower	Upper
146	100		
148	66.4	50.4	75.6
111	44.0	34.5	51.7



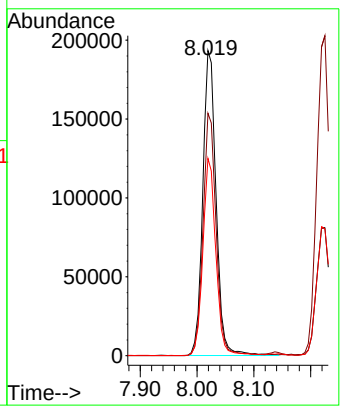


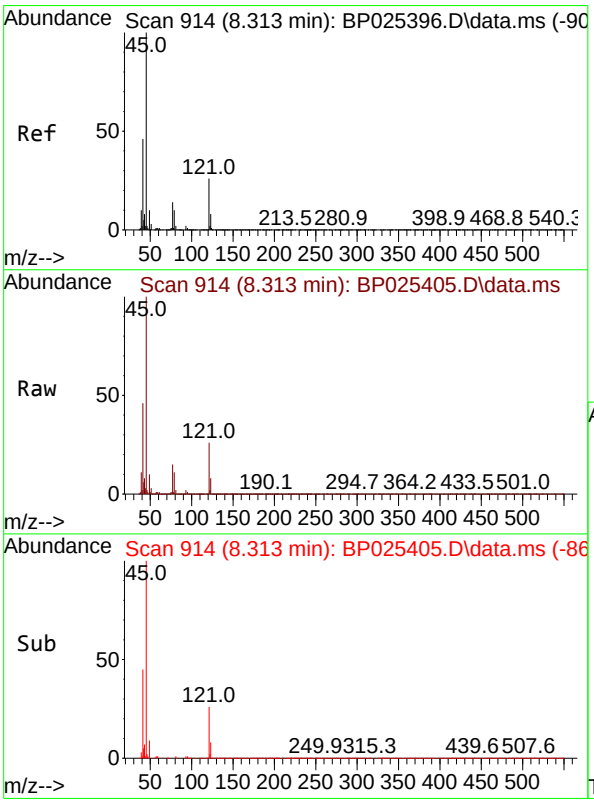
#15
Benzyl Alcohol
Concen: 40.671 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 313588

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.8	95.6
77	64.7	49.0	73.4

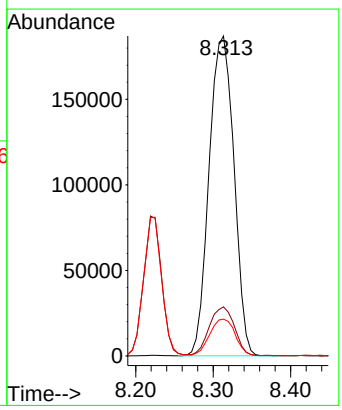


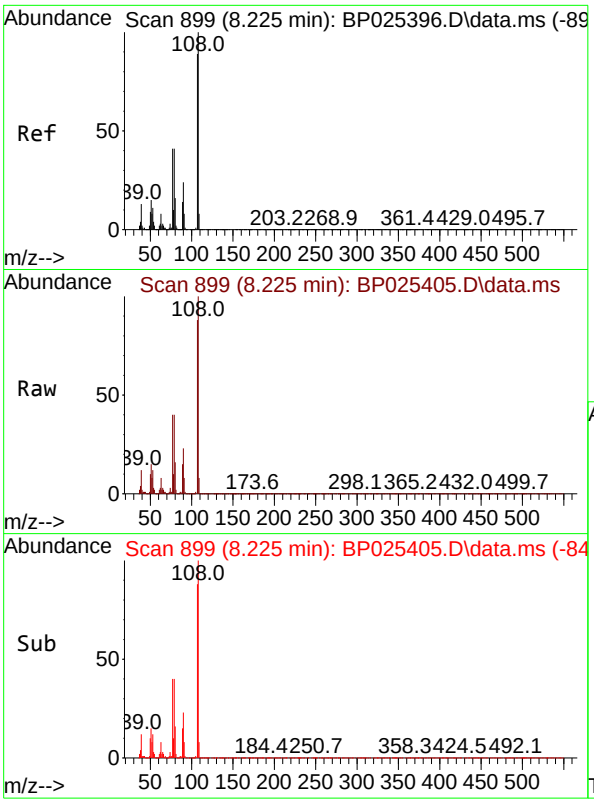


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.232 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 45 Resp: 417099

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.3
79	11.5	0.0	31.8



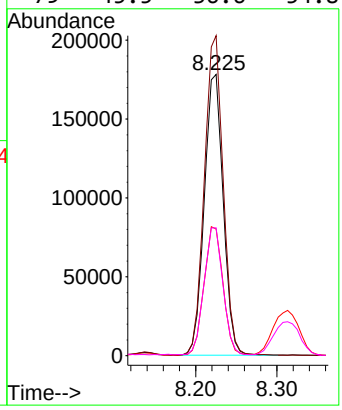


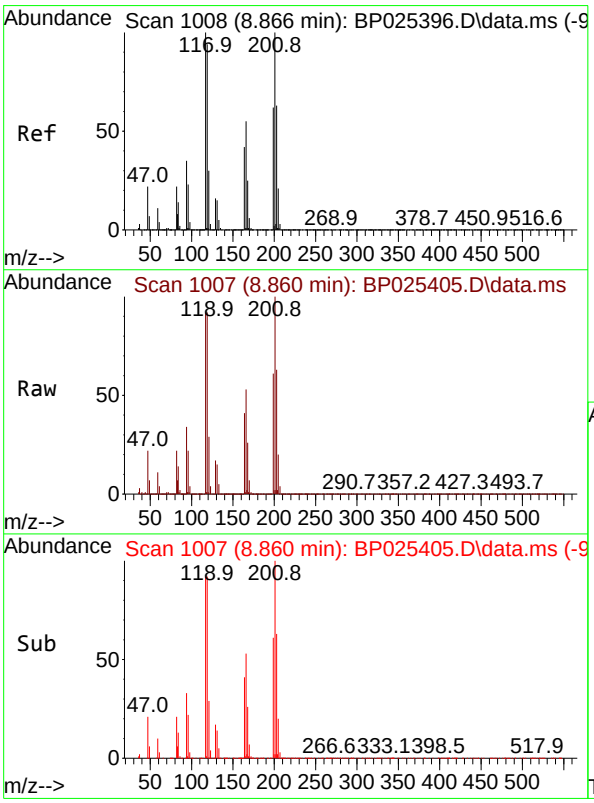
#17
2-Methylphenol
Concen: 40.791 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 288474

Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.4	134.0
77	45.1	36.3	54.5
79	45.5	36.6	54.8

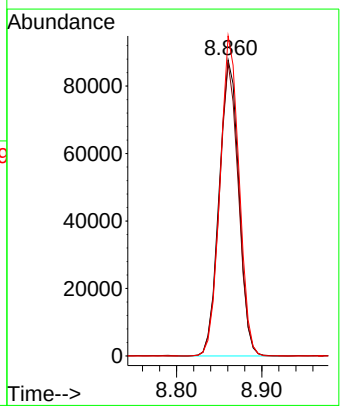


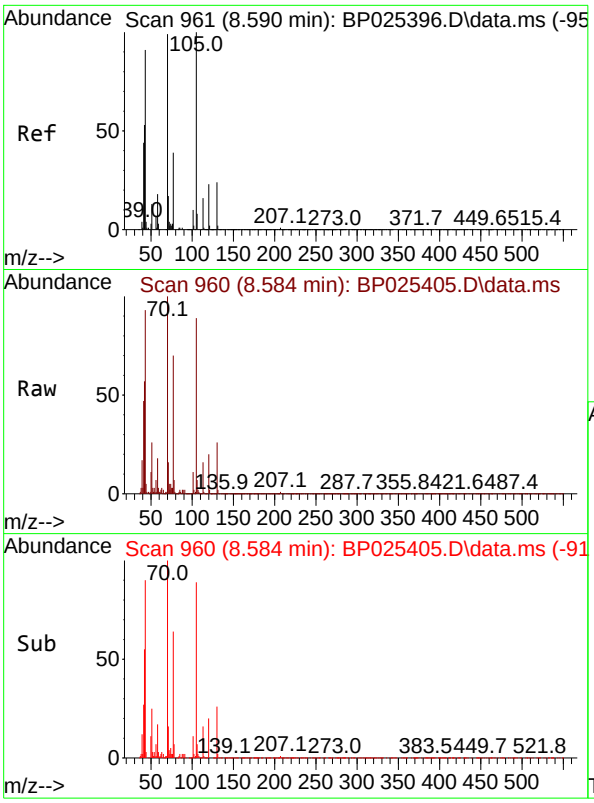


#18
Hexachloroethane
Concen: 39.750 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:117 Resp: 140690

Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.1	112.7
201	108.2	80.1	120.1



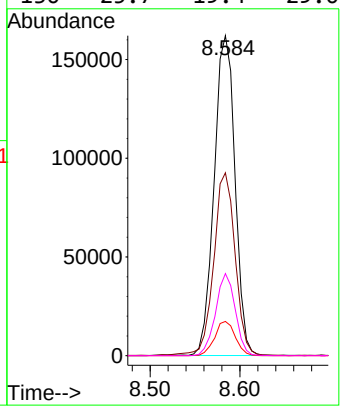


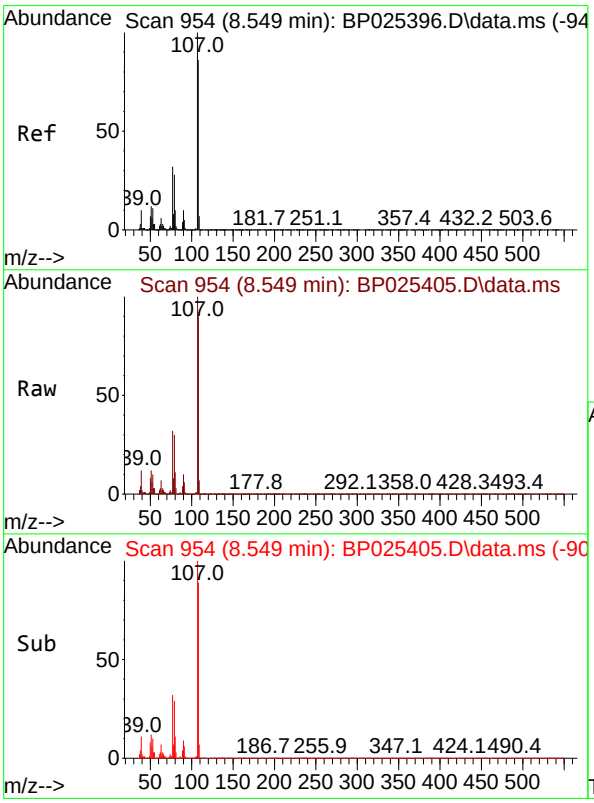
#19
n-Nitroso-di-n-propylamine
Concen: 40.666 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 261390

Ion	Ratio	Lower	Upper
70	100		
42	57.2	43.8	65.6
101	10.7	8.5	12.7
130	25.7	19.4	29.0

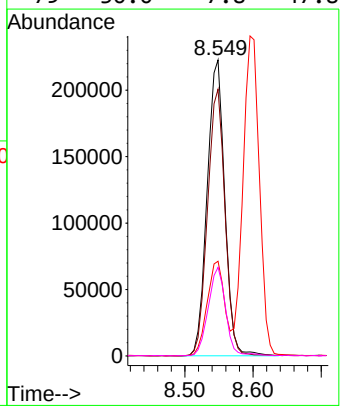


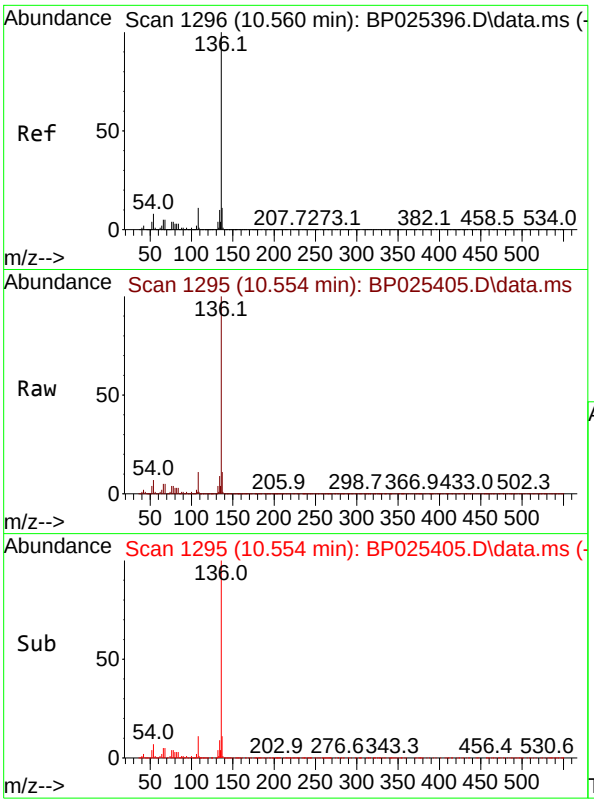


#20
3+4-Methylphenols
Concen: 40.768 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 399643

Ion	Ratio	Lower	Upper
107	100		
108	90.1	66.3	106.3
77	32.0	12.3	52.3
79	30.0	7.8	47.8



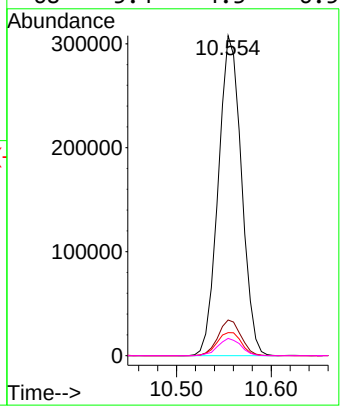


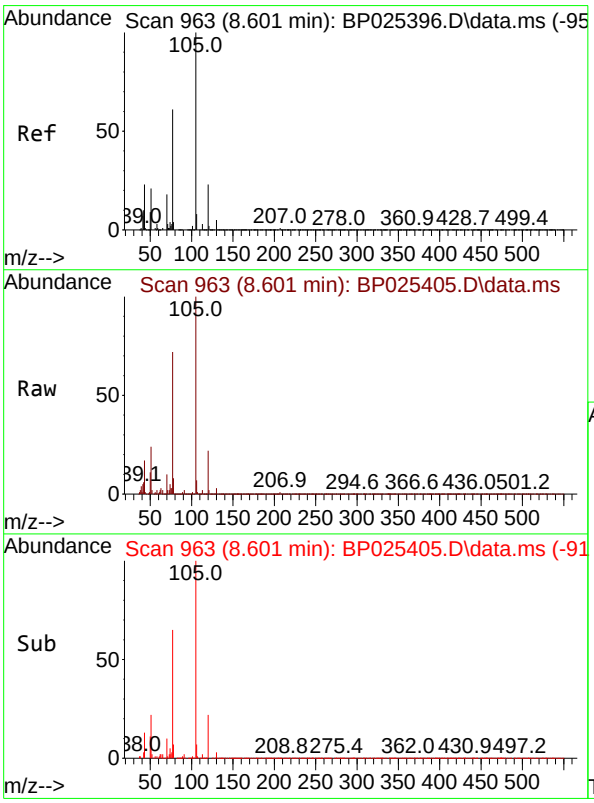
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 523394

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.2	6.0	9.0
68	5.4	4.3	6.5

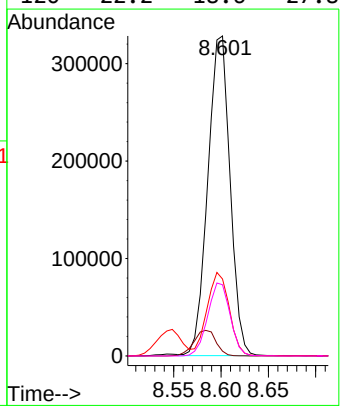


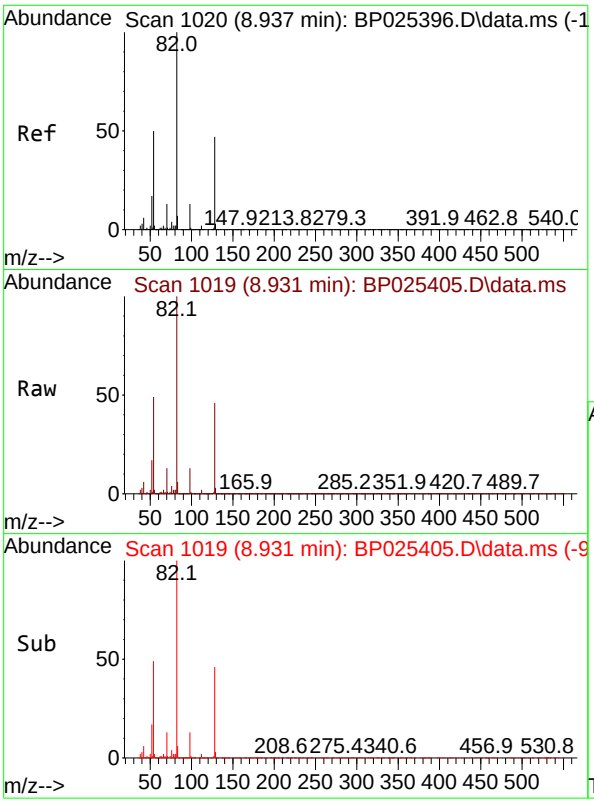


#22
Acetophenone
Concen: 40.930 ng
RT: 8.601 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:105 Resp: 537231

Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	4.0#
51	24.1	20.6	30.8
120	22.2	18.6	27.8



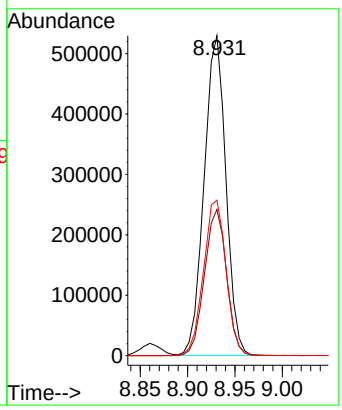


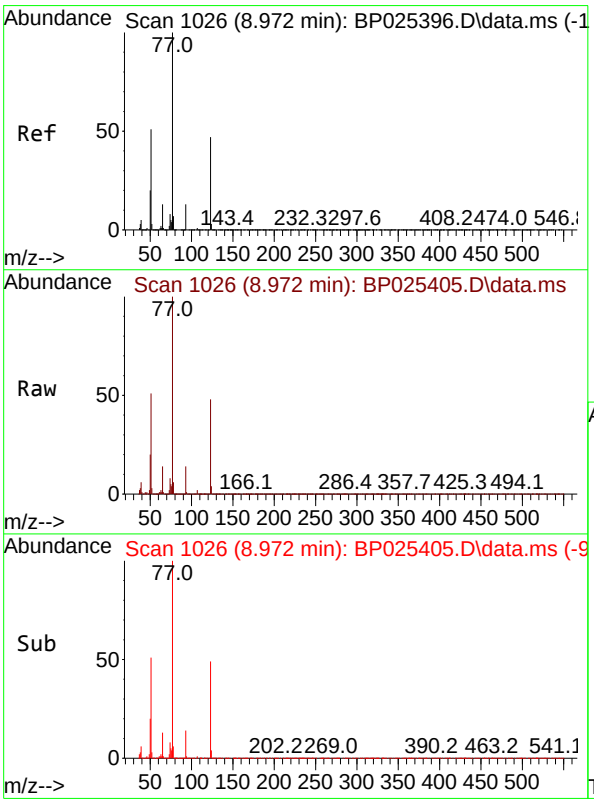
#23
Nitrobenzene-d5
Concen: 81.634 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 844645

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	48.6	39.8	59.6

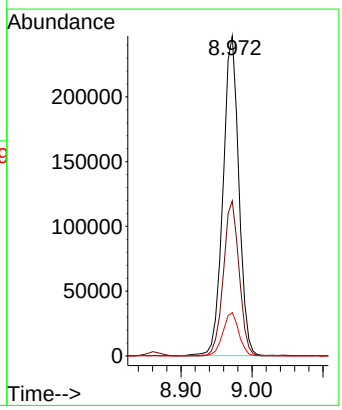


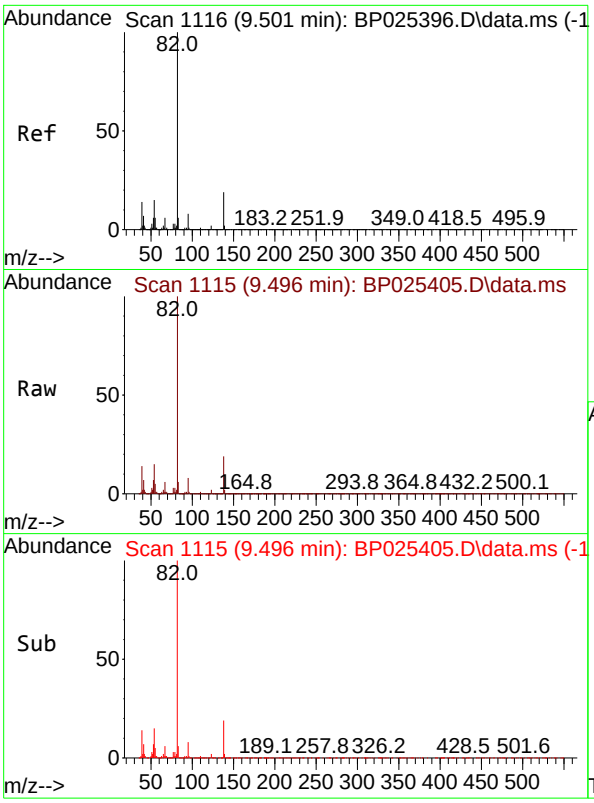


#24
Nitrobenzene
Concen: 41.117 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 77 Resp: 380213

Ion	Ratio	Lower	Upper
77	100		
123	48.5	38.6	58.0
65	13.5	10.6	15.8



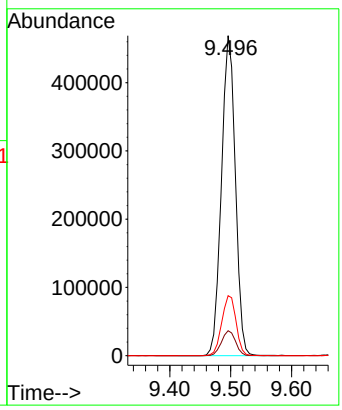


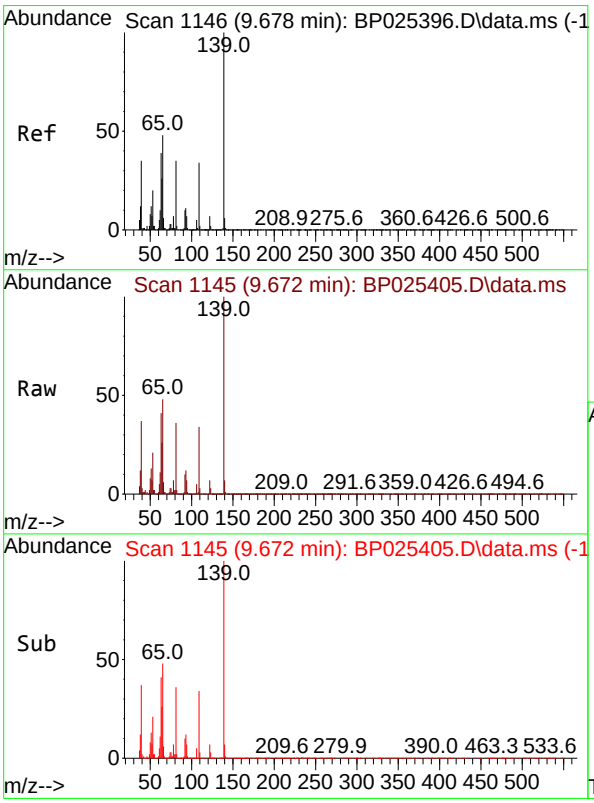
#25
Isophorone
Concen: 40.642 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 744195

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.8	15.4	23.0

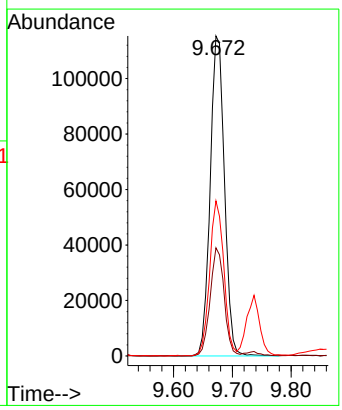


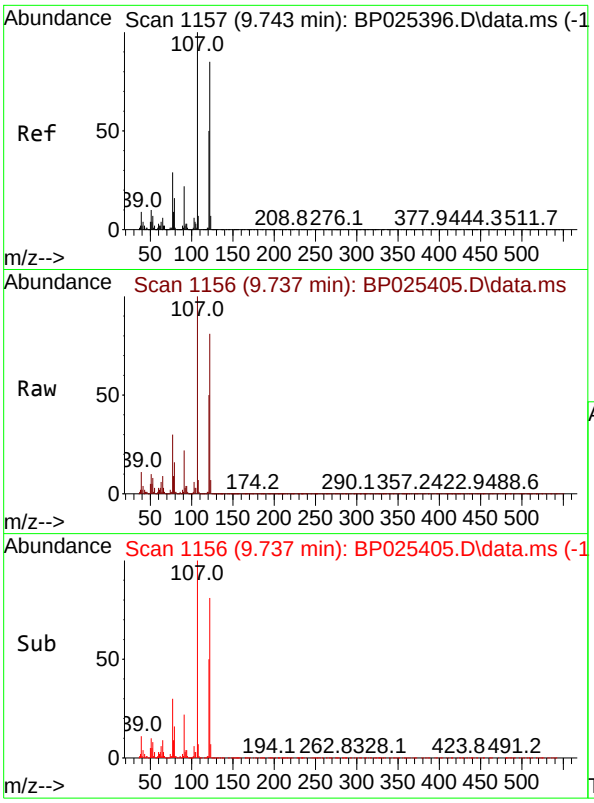


#26
2-Nitrophenol
Concen: 40.994 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:139 Resp: 194543

Ion	Ratio	Lower	Upper
139	100		
109	33.8	26.9	40.3
65	48.4	38.3	57.5



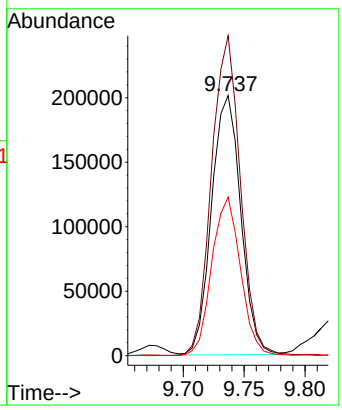


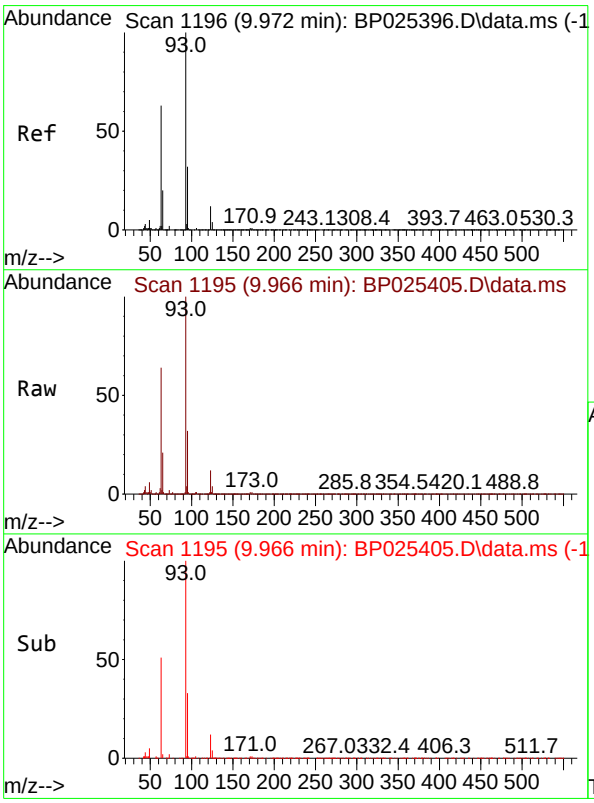
#27
2,4-Dimethylphenol
Concen: 41.117 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 335562

Ion	Ratio	Lower	Upper
122	100		
107	123.0	93.7	140.5
121	60.9	46.6	69.8

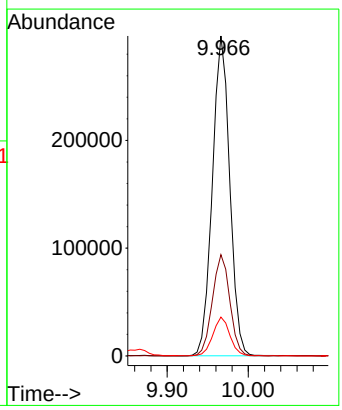


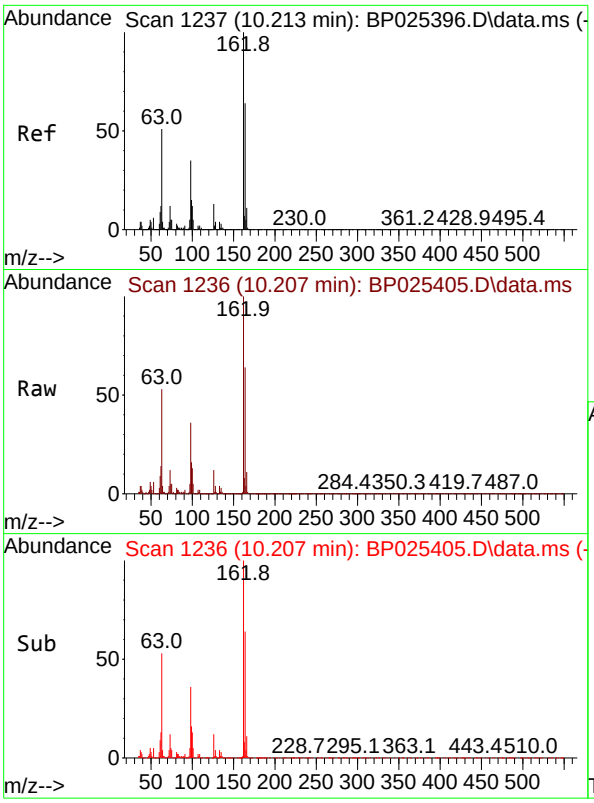


#28
bis(2-Chloroethoxy)methane
Concen: 39.927 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 93 Resp: 441941

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.0
123	12.1	9.4	14.0



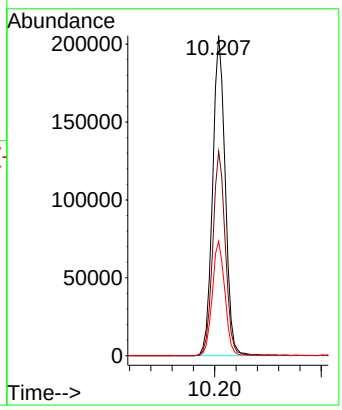


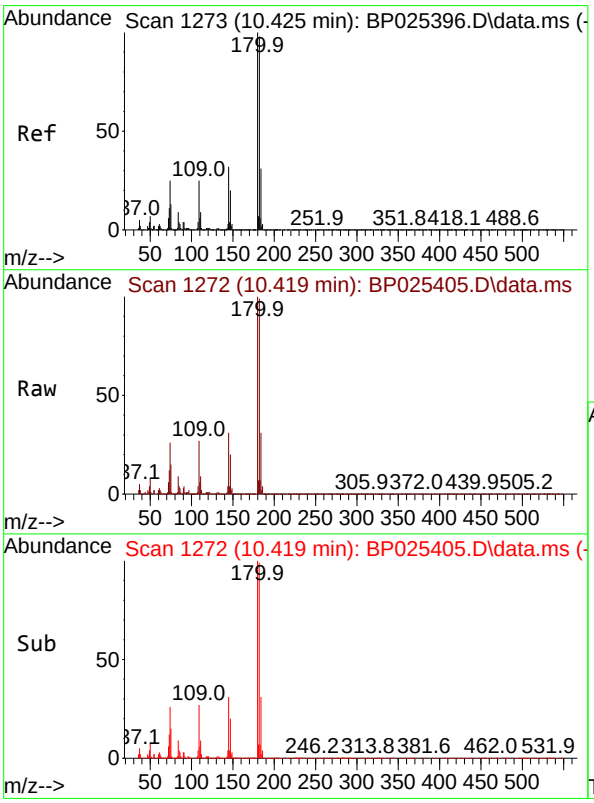
#29
2,4-Dichlorophenol
Concen: 41.524 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 336641

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.4	84.4
98	35.8	14.9	54.9

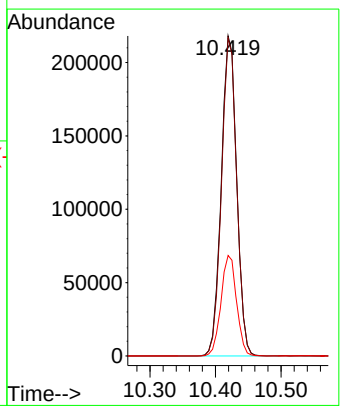


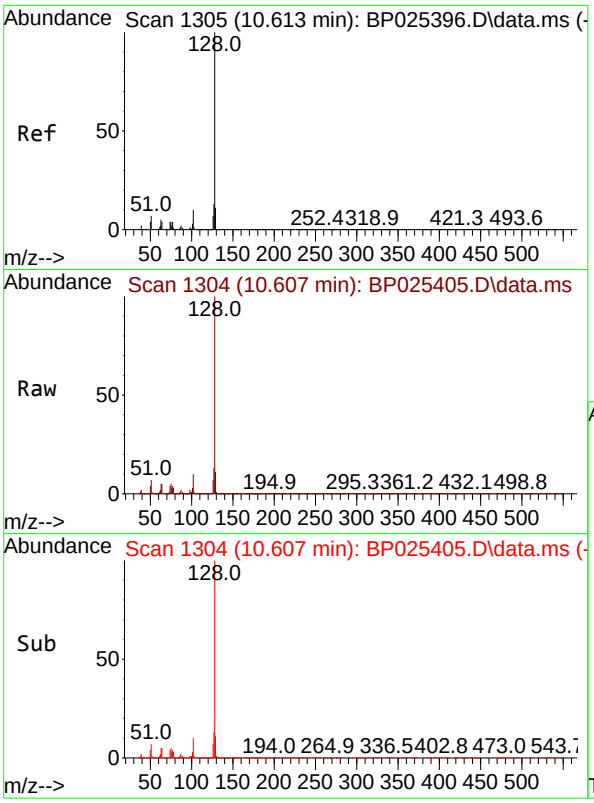


#30
1,2,4-Trichlorobenzene
Concen: 39.885 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:180 Resp: 354463

Ion	Ratio	Lower	Upper
180	100		
182	99.4	78.0	117.0
145	31.4	25.9	38.9



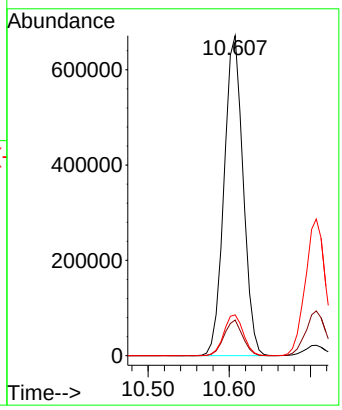


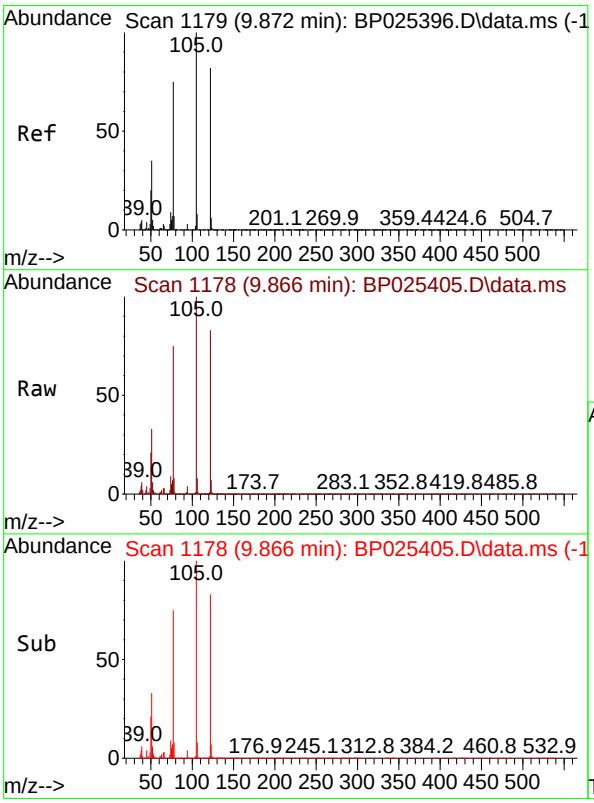
#31
Naphthalene
Concen: 40.194 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1093427

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.8	10.7	16.1

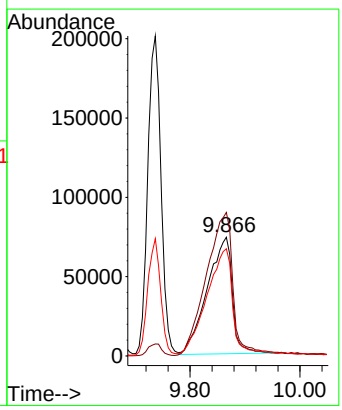


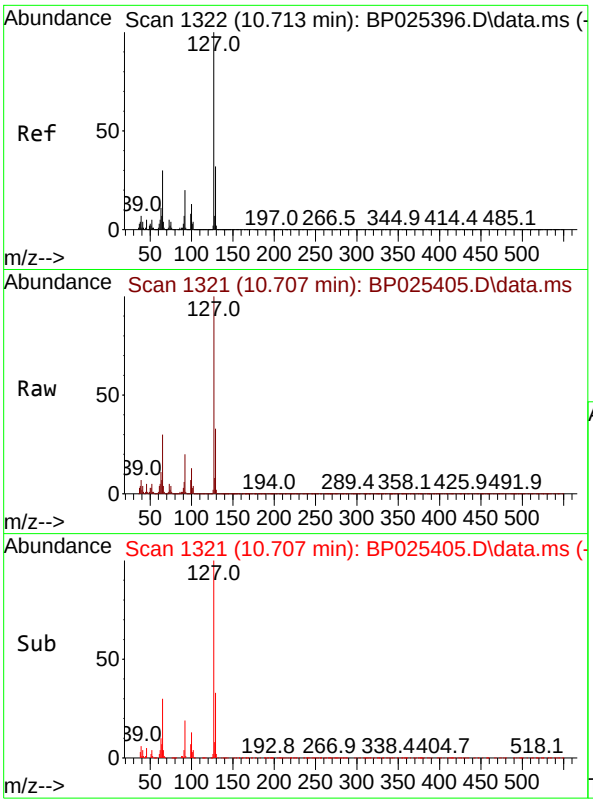


#32
Benzoic acid
Concen: 38.736 ng
RT: 9.866 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:122 Resp: 233390

Ion	Ratio	Lower	Upper
122	100		
105	120.9	100.6	140.6
77	90.3	71.5	111.5



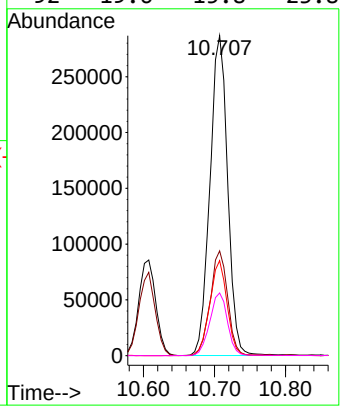


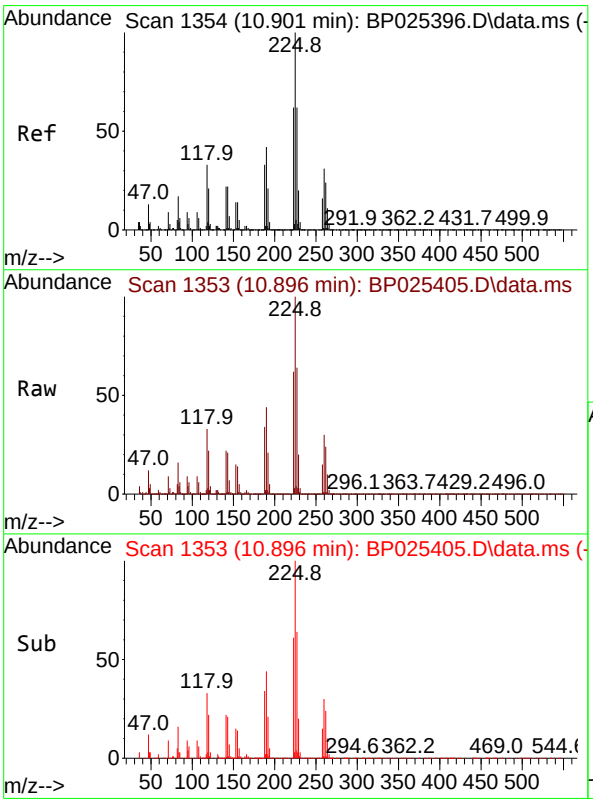
#33
4-Chloroaniline
Concen: 41.245 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 495623

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.4	38.2
65	29.7	23.8	35.6
92	19.6	15.8	23.8

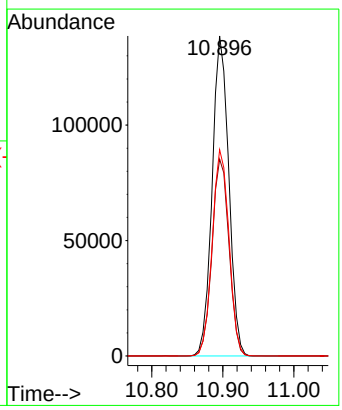


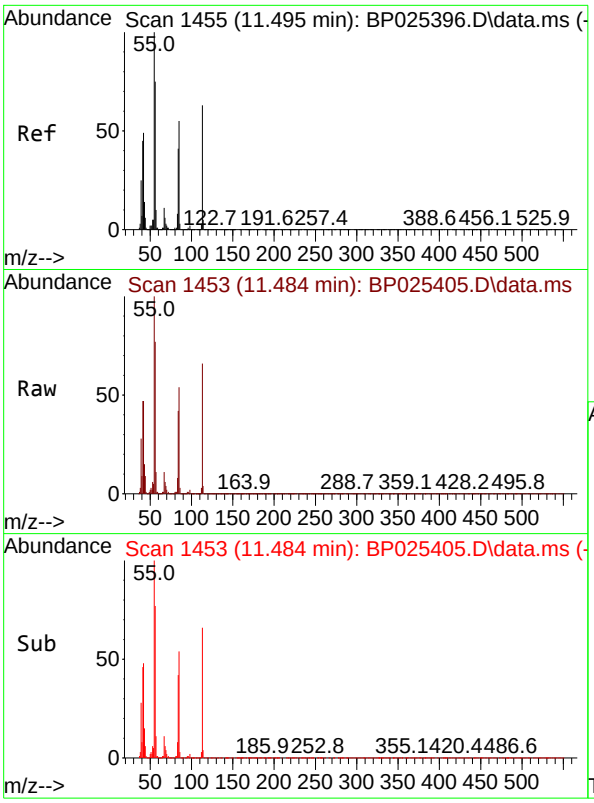


#34
Hexachlorobutadiene
Concen: 40.518 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:225 Resp: 224258

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	64.5	49.7	74.5



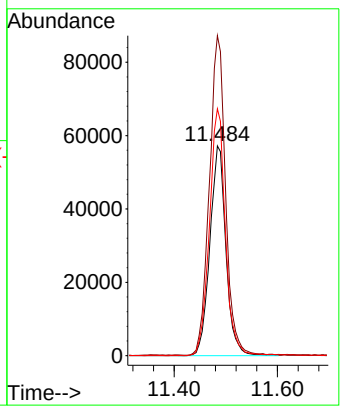


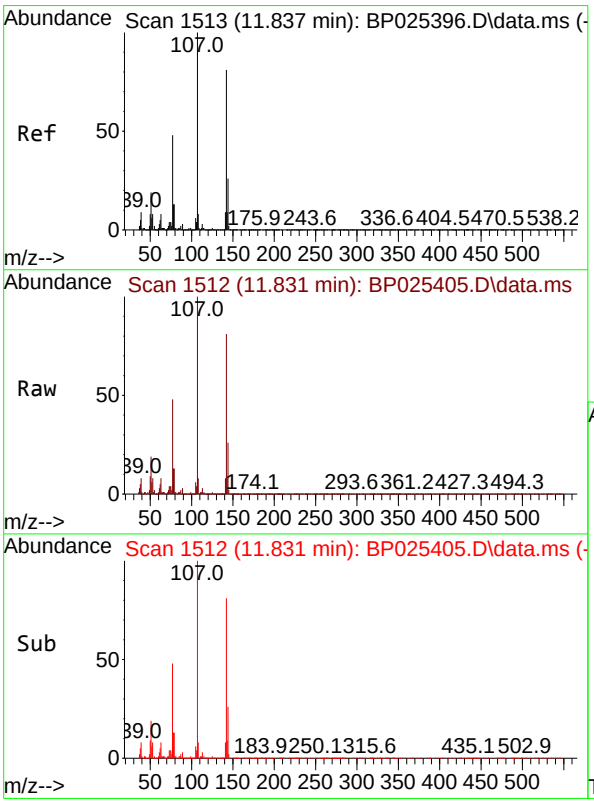
#35
Caprolactam
Concen: 41.412 ng
RT: 11.484 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 123107

Ion	Ratio	Lower	Upper
113	100		
55	152.5	140.0	180.0
56	117.7	100.0	140.0

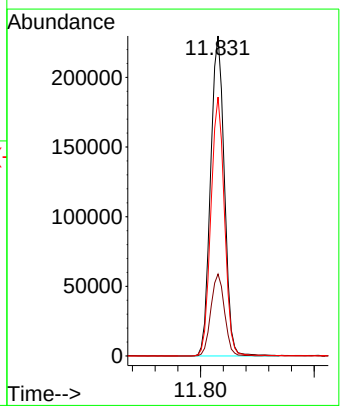


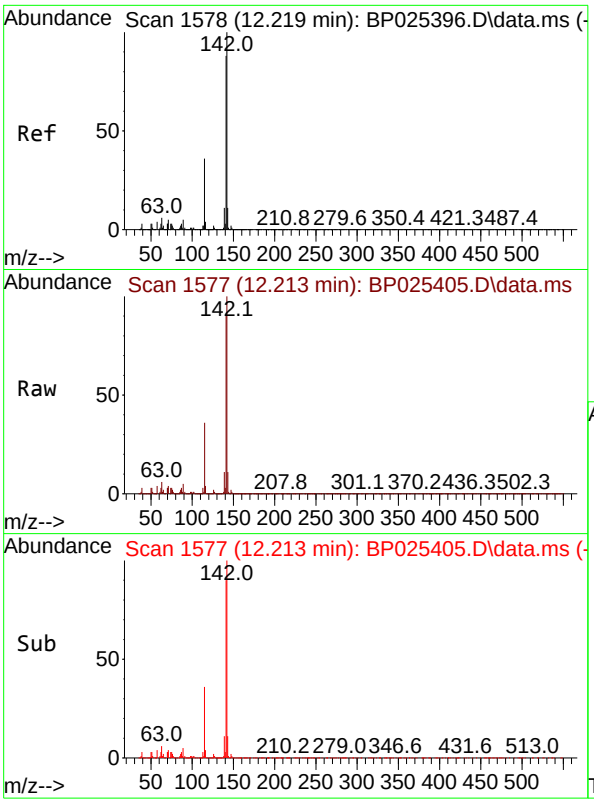


#36
4-Chloro-3-methylphenol
Concen: 41.484 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:107 Resp: 385915

Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.0	31.4
142	80.9	64.6	97.0



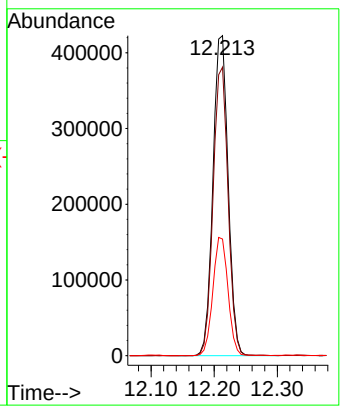


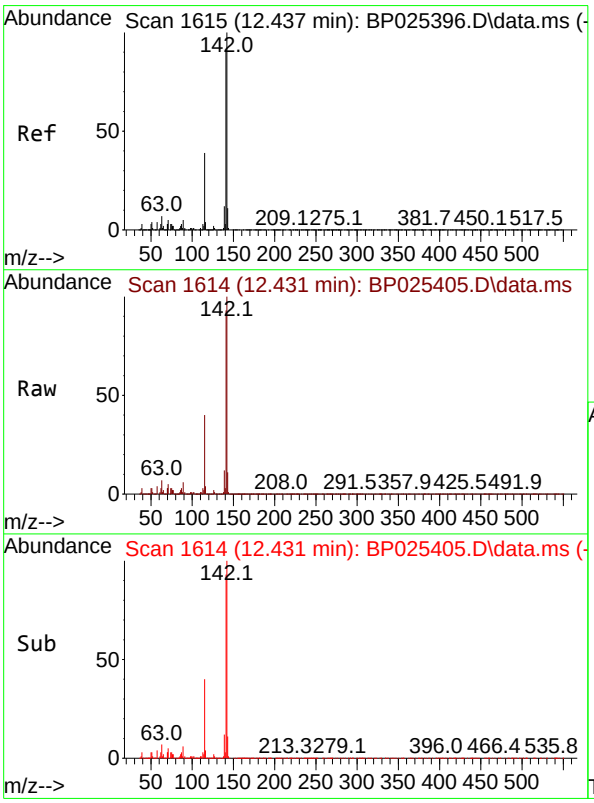
#37
2-Methylnaphthalene
Concen: 39.832 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 705161

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	36.5	28.9	43.3

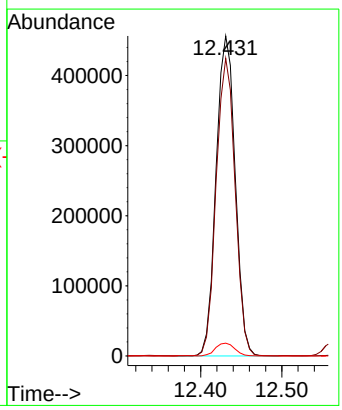


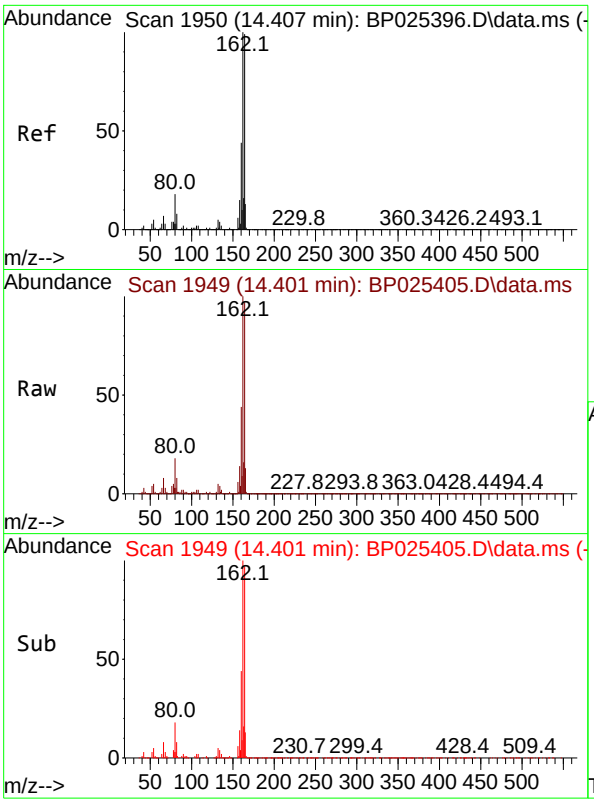


#38
1-Methylnaphthalene
Concen: 39.723 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:142 Resp: 747864

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7
116	4.0	3.2	4.8



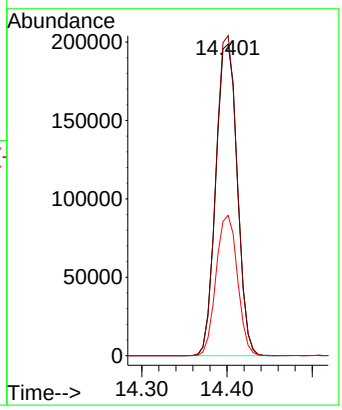


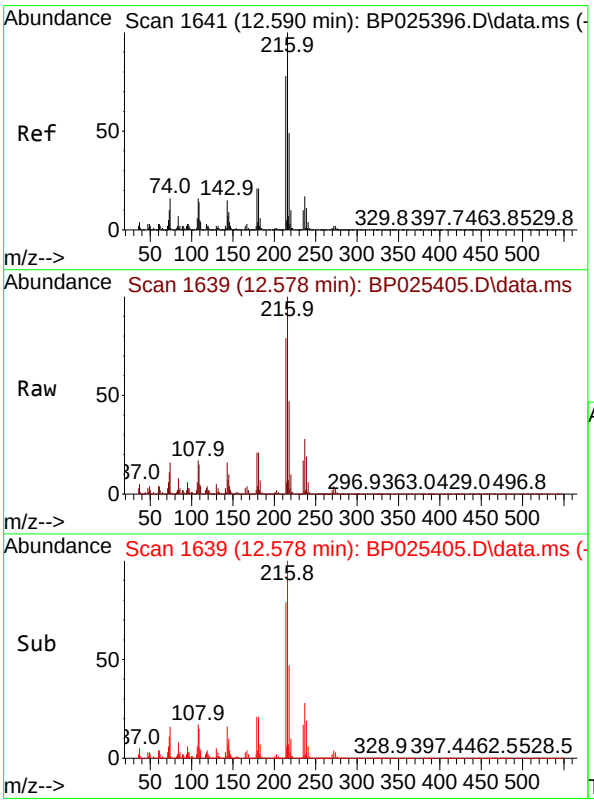
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 347617

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.0	121.6
160	45.0	35.4	53.2

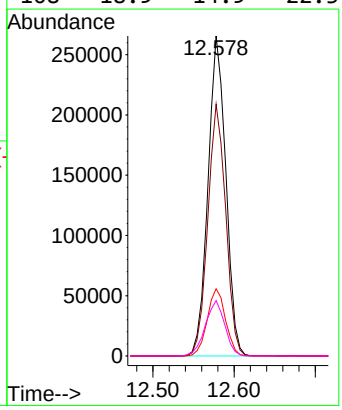


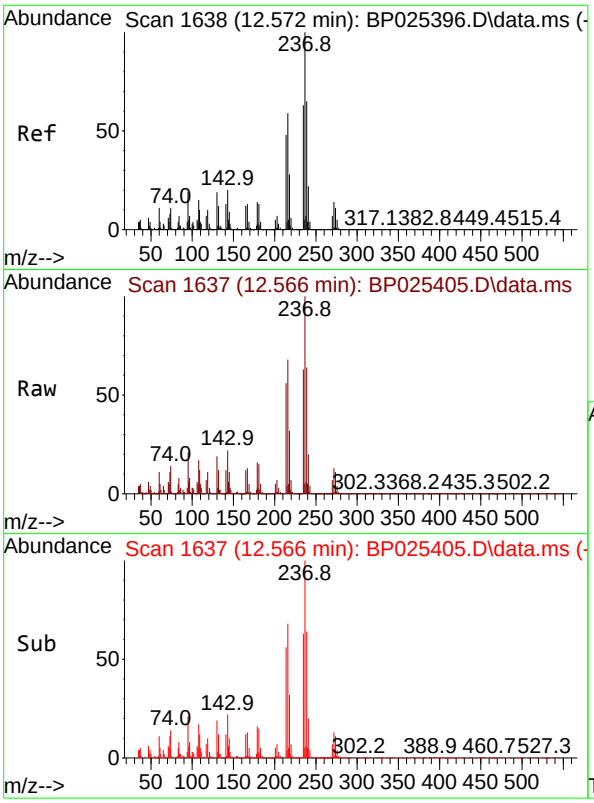


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.342 ng
RT: 12.578 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:216 Resp: 405013

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.5	17.1	25.7
108	18.9	14.9	22.3



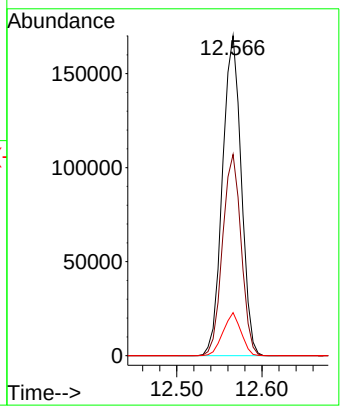


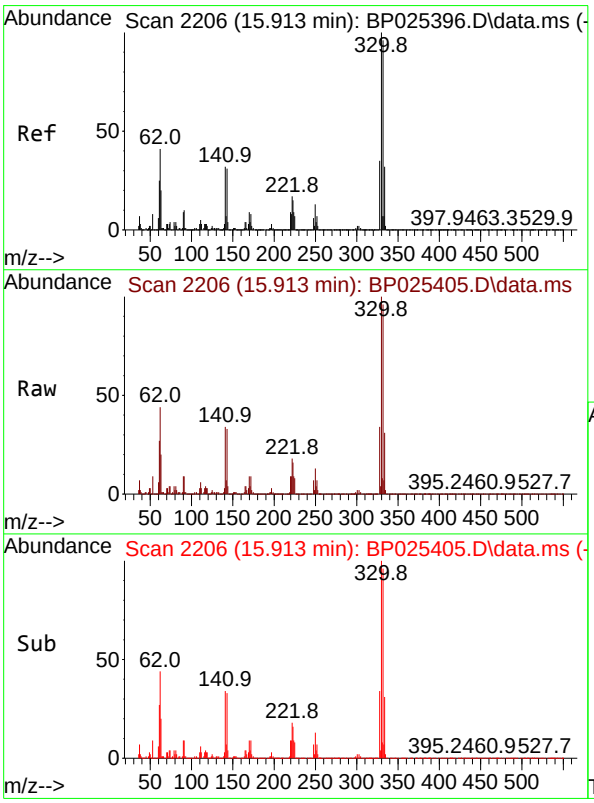
#41
Hexachlorocyclopentadiene
Concen: 42.907 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 260202

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.7	82.7
272	13.5	0.0	34.0

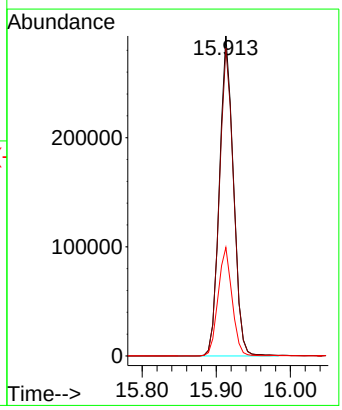


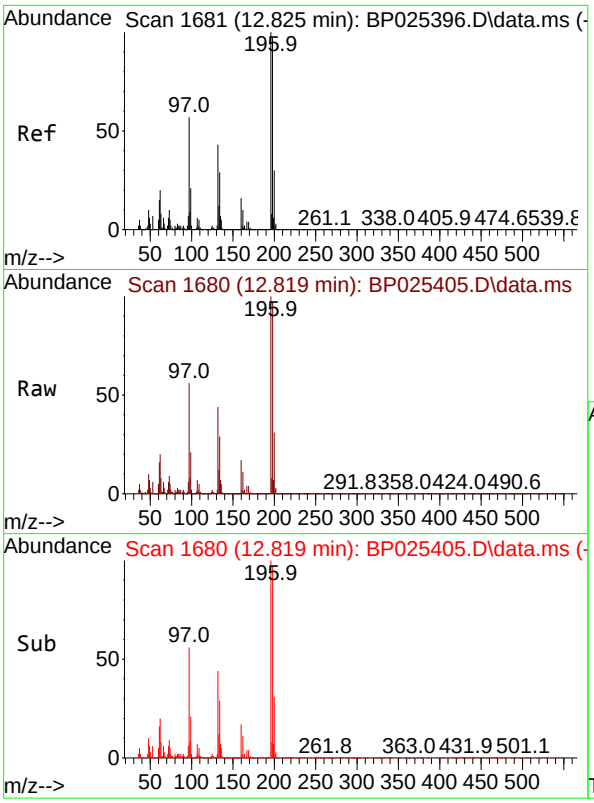


#42
2,4,6-Tribromophenol
Concen: 82.139 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:330 Resp: 384325

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	33.8	26.6	39.8



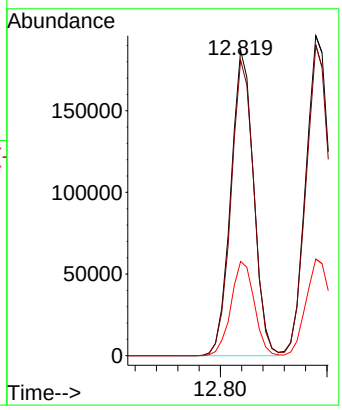


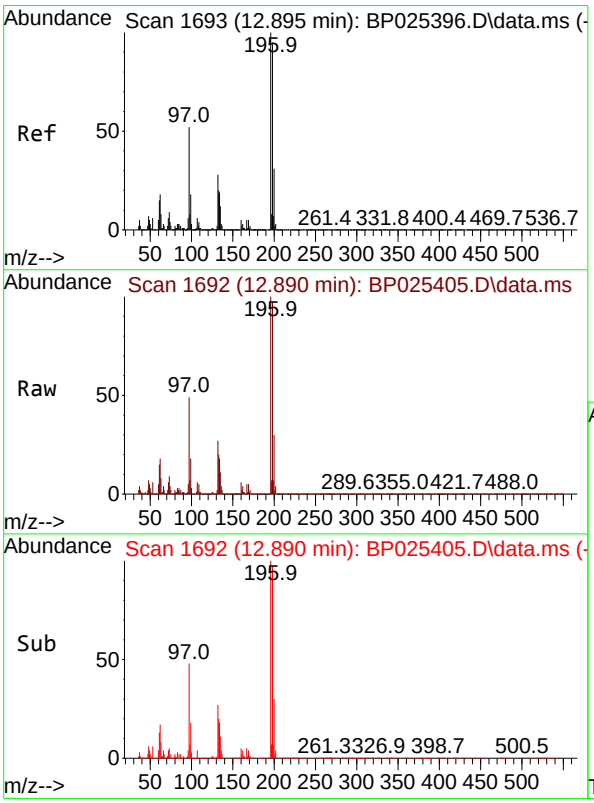
#43
2,4,6-Trichlorophenol
Concen: 41.069 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 278358

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.2	115.8
200	30.8	23.9	35.9

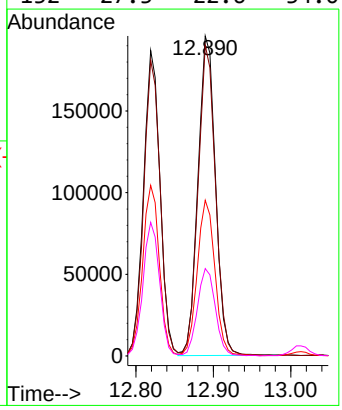


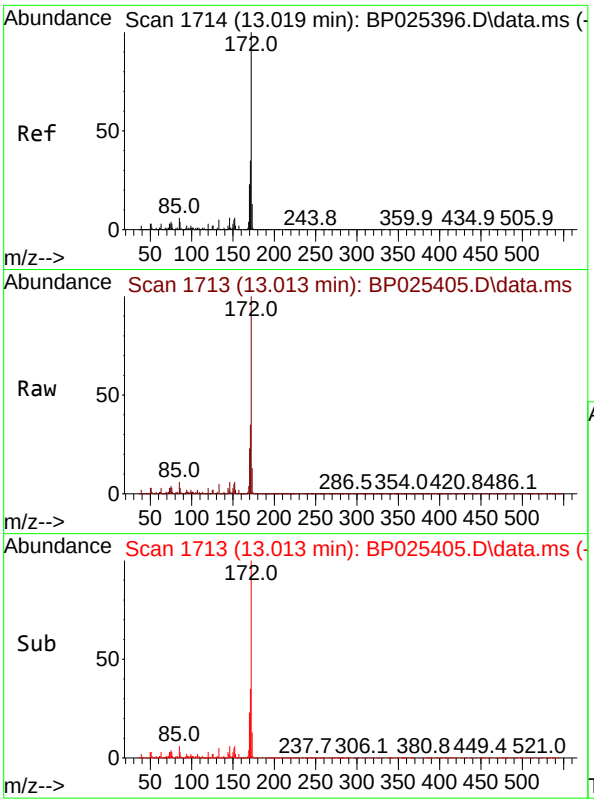


#44
2,4,5-Trichlorophenol
Concen: 41.457 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:196 Resp: 307958

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.2	114.2
97	48.7	41.2	61.8
132	27.3	22.6	34.0



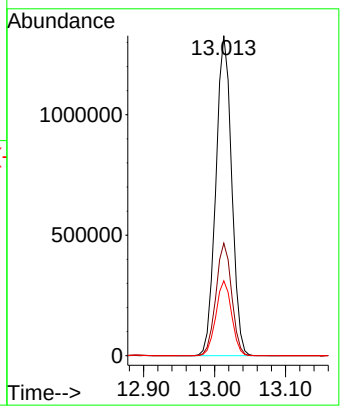


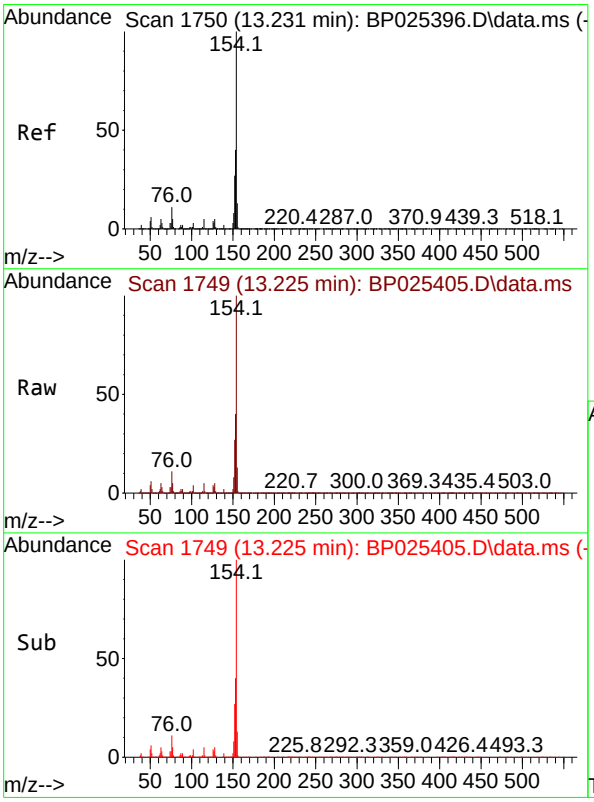
#45
2-Fluorobiphenyl
Concen: 80.382 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2044524

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0

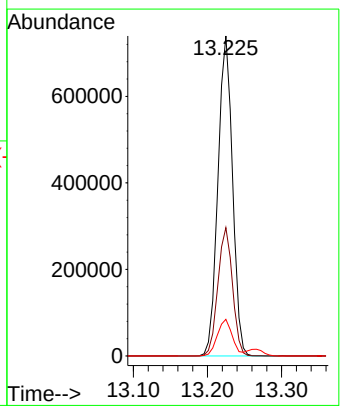


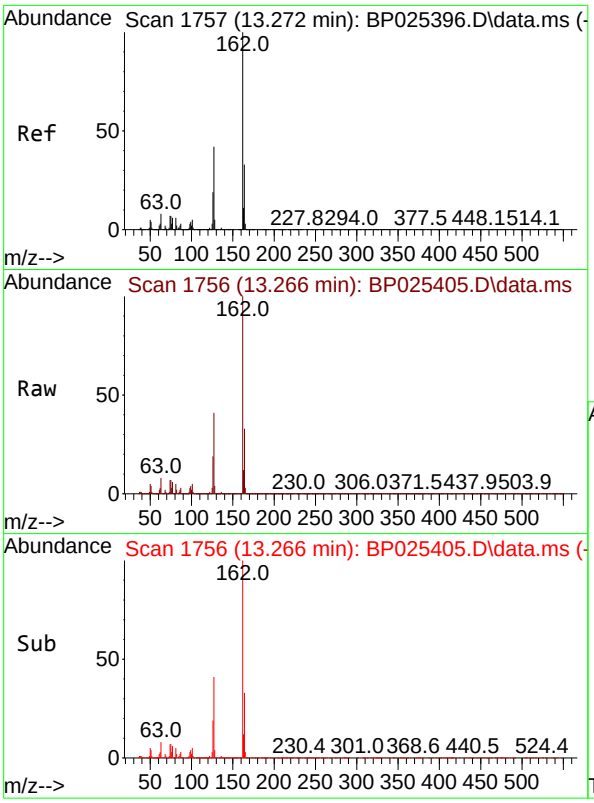


#46
1,1'-Biphenyl
Concen: 39.933 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:154 Resp: 1008154

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.5	59.5
76	11.4	0.0	31.1



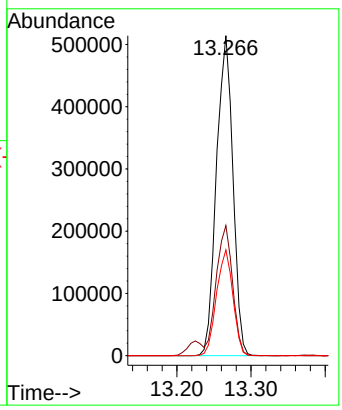


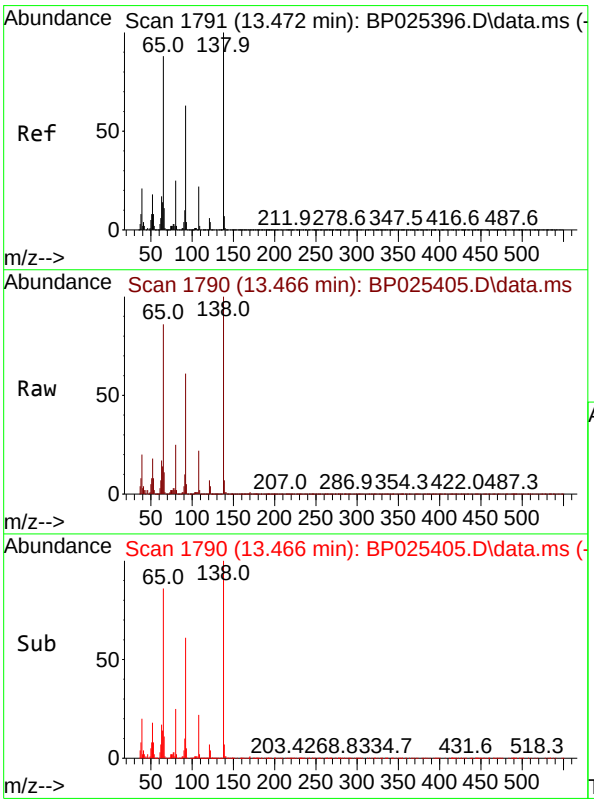
#47
2-Chloronaphthalene
Concen: 40.309 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 792217

Ion	Ratio	Lower	Upper
162	100		
127	40.7	33.4	50.2
164	33.0	26.2	39.2

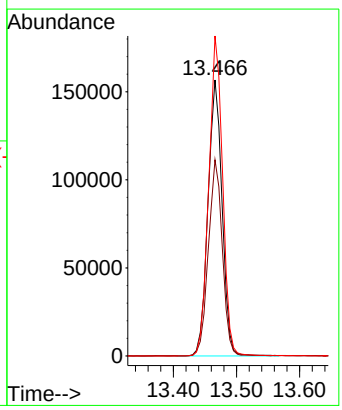


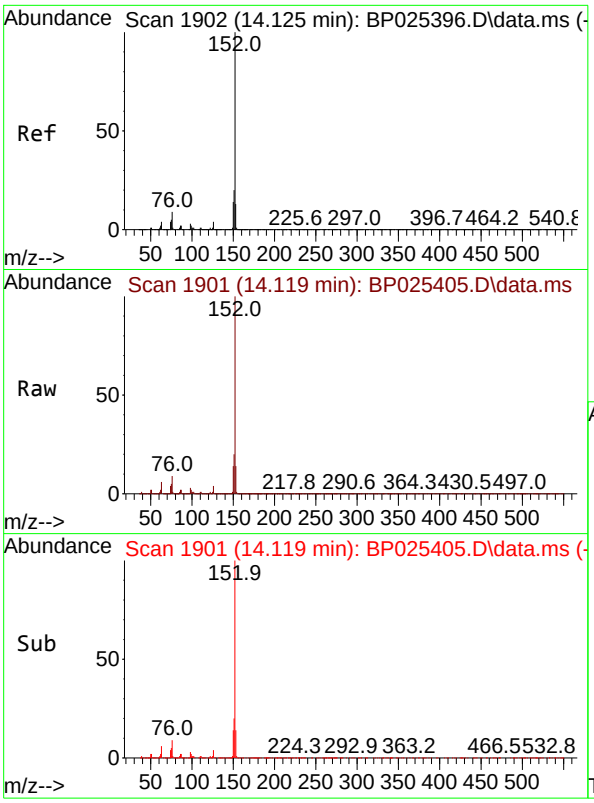


#48
2-Nitroaniline
Concen: 42.321 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion: 65 Resp: 242354

Ion	Ratio	Lower	Upper
65	100		
92	71.0	57.6	86.4
138	115.9	91.0	136.6



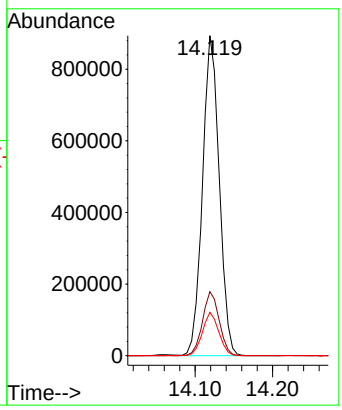


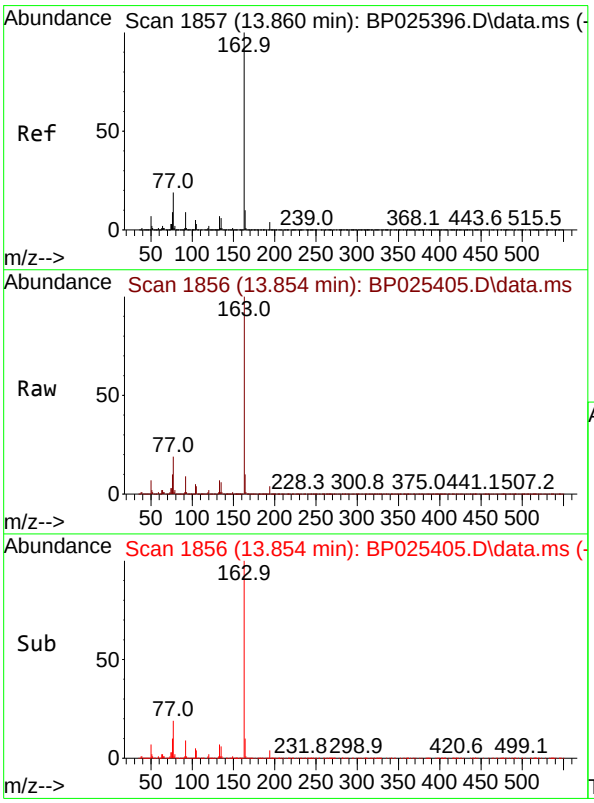
#49
Acenaphthylene
Concen: 41.180 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1339242

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.6	15.8

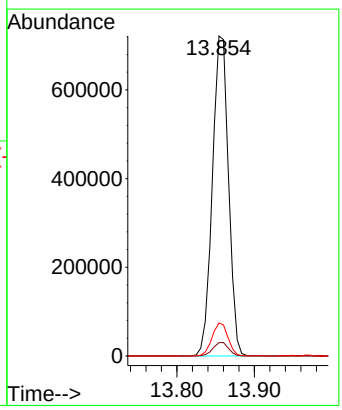


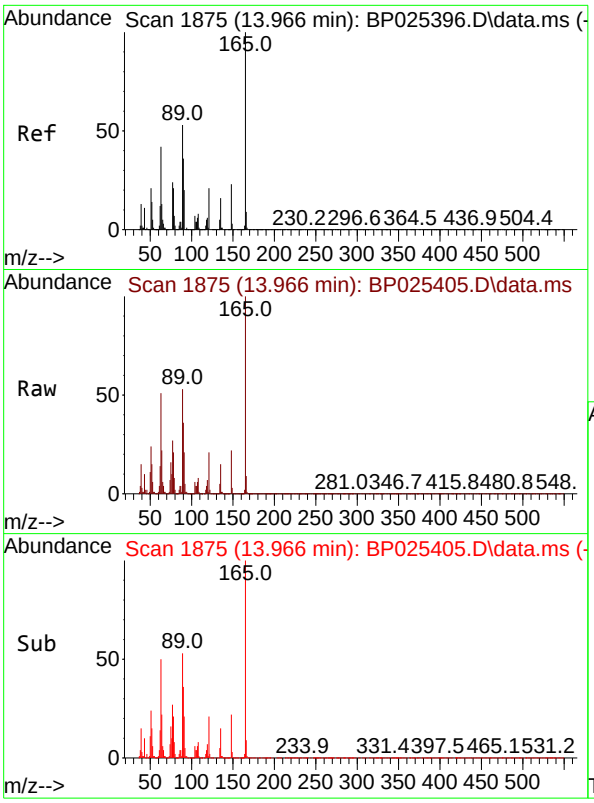


#50
Dimethylphthalate
Concen: 40.894 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:163 Resp: 1040970

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	7.9	11.9



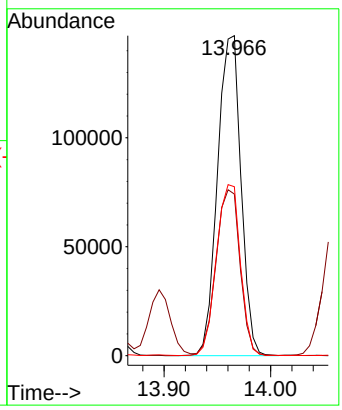


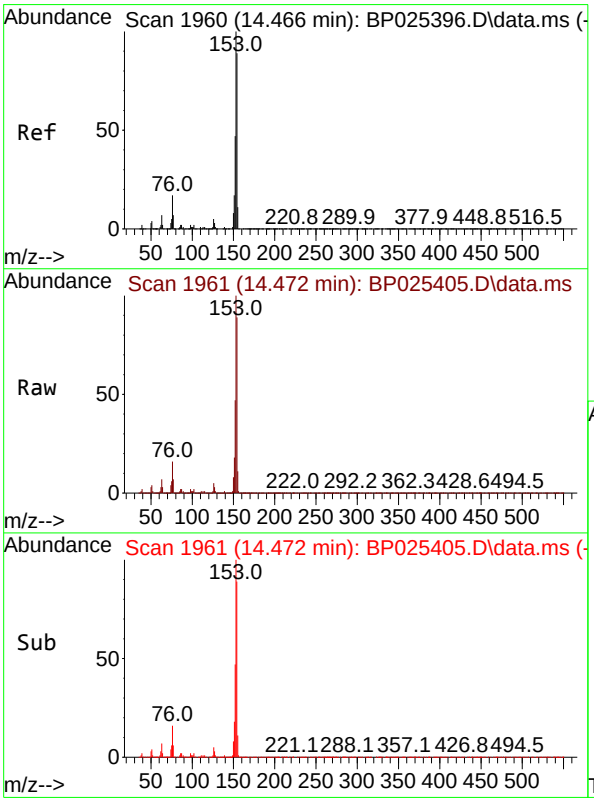
#51
2,6-Dinitrotoluene
Concen: 41.884 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 224718

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.9	61.3
89	52.8	42.1	63.1

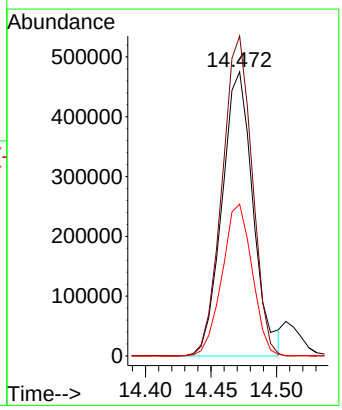


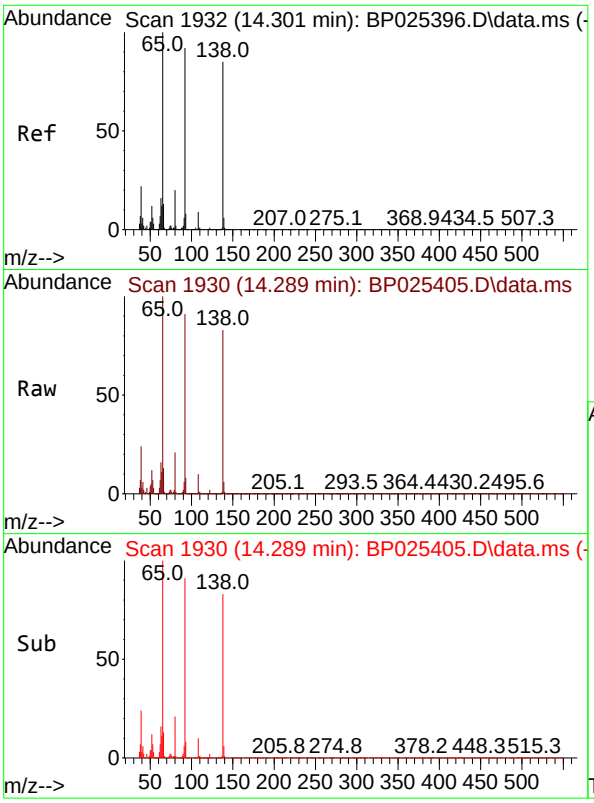


#52
Acenaphthene
Concen: 40.956 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:154 Resp: 781821

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.2	135.2
152	53.5	42.1	63.1



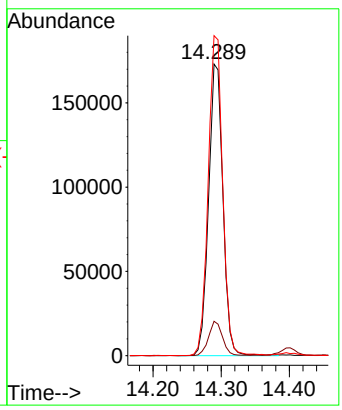


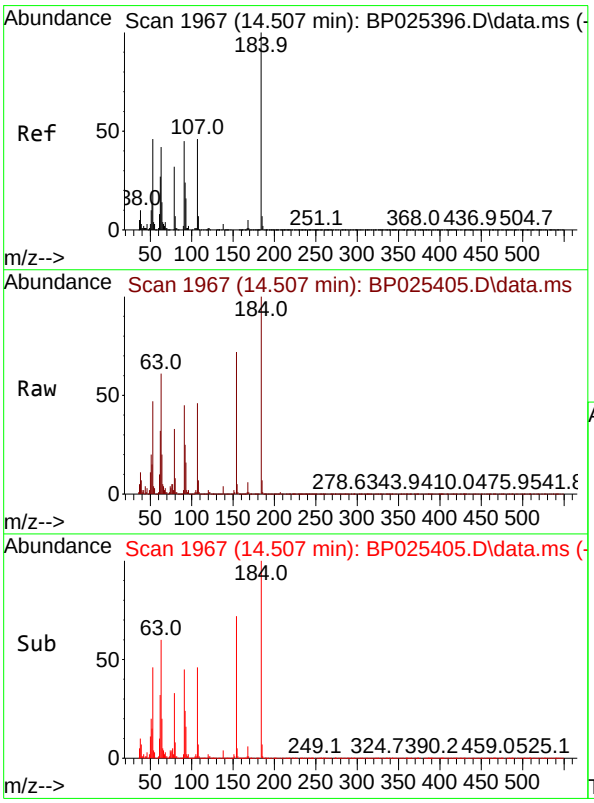
#53
3-Nitroaniline
Concen: 41.978 ng
RT: 14.289 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 253400

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.3	12.5
92	109.7	86.2	129.2

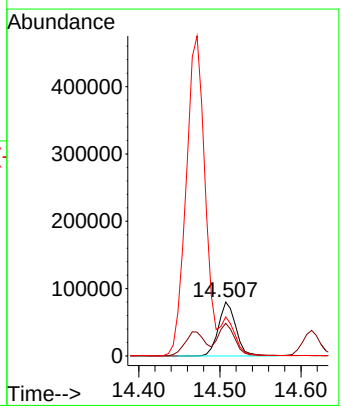


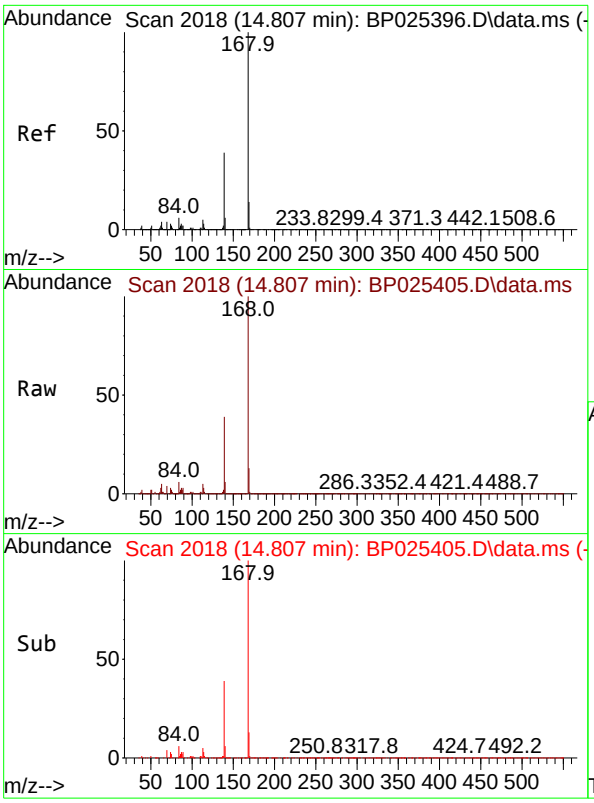


#54
2,4-Dinitrophenol
Concen: 41.836 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:184 Resp: 119870

Ion	Ratio	Lower	Upper
184	100		
63	60.6	49.4	74.2
154	72.3	54.6	82.0



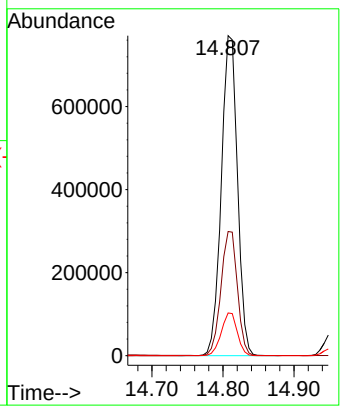


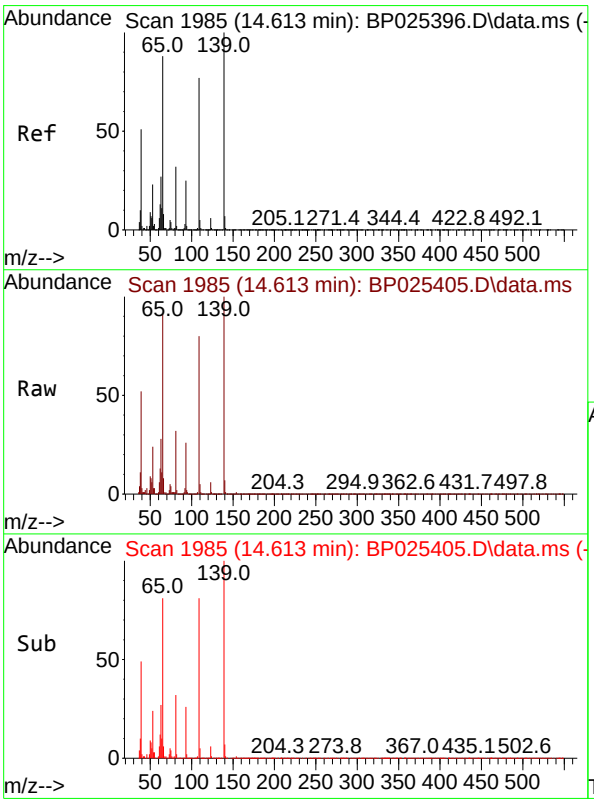
#55
Dibenzofuran
Concen: 40.222 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1213914

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.5	47.3
169	13.4	10.9	16.3

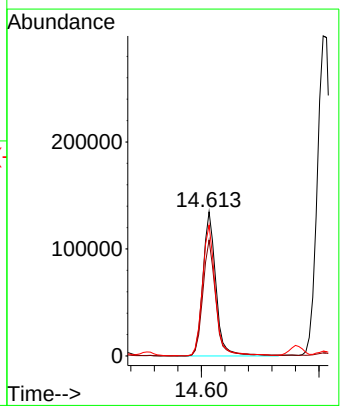


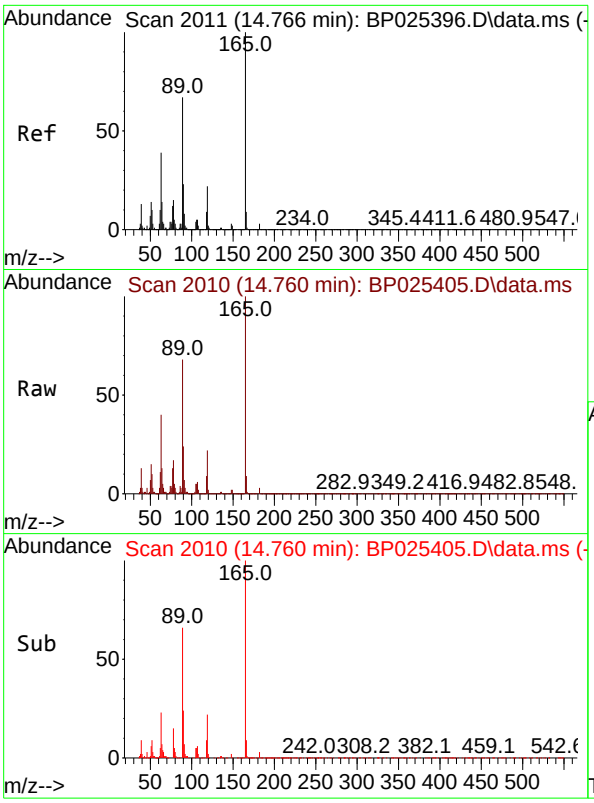


#56
4-Nitrophenol
Concen: 41.615 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:139 Resp: 206425

Ion	Ratio	Lower	Upper
139	100		
109	80.4	56.6	96.6
65	90.8	68.2	108.2



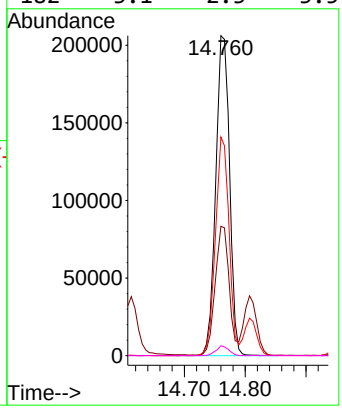


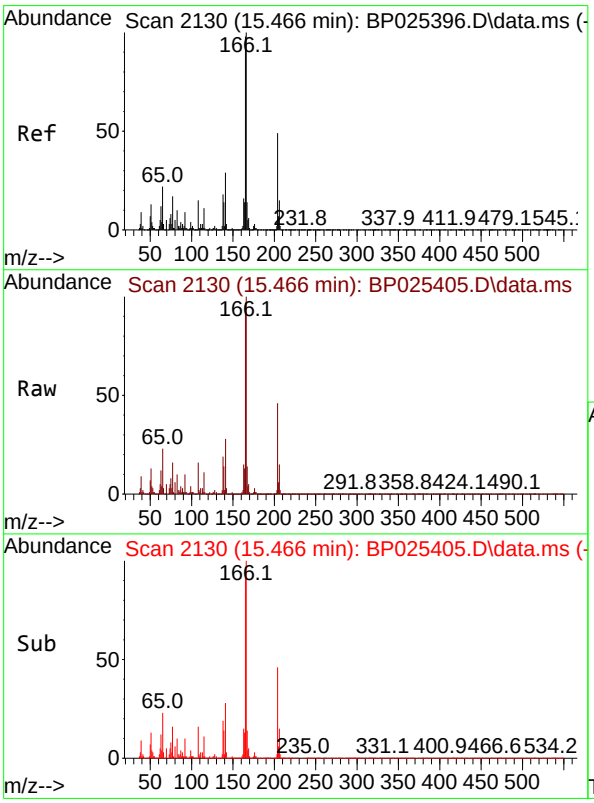
#57
2,4-Dinitrotoluene
Concen: 42.379 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 324412

Ion	Ratio	Lower	Upper
165	100		
63	40.4	31.4	47.2
89	68.3	53.3	79.9
182	3.1	2.3	3.5

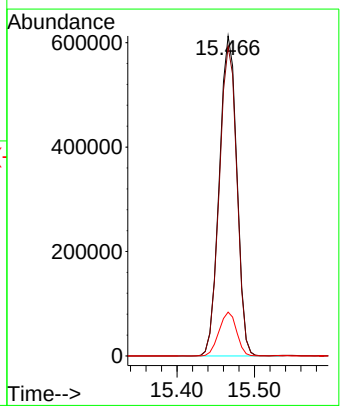


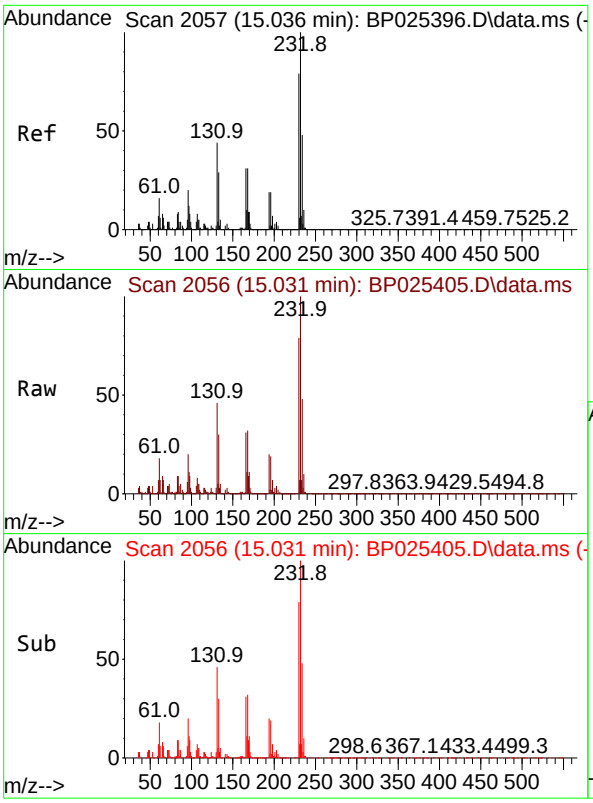


#58
Fluorene
Concen: 40.486 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:166 Resp: 964155

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	13.7	11.0	16.4



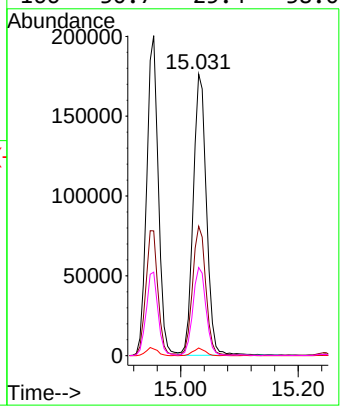


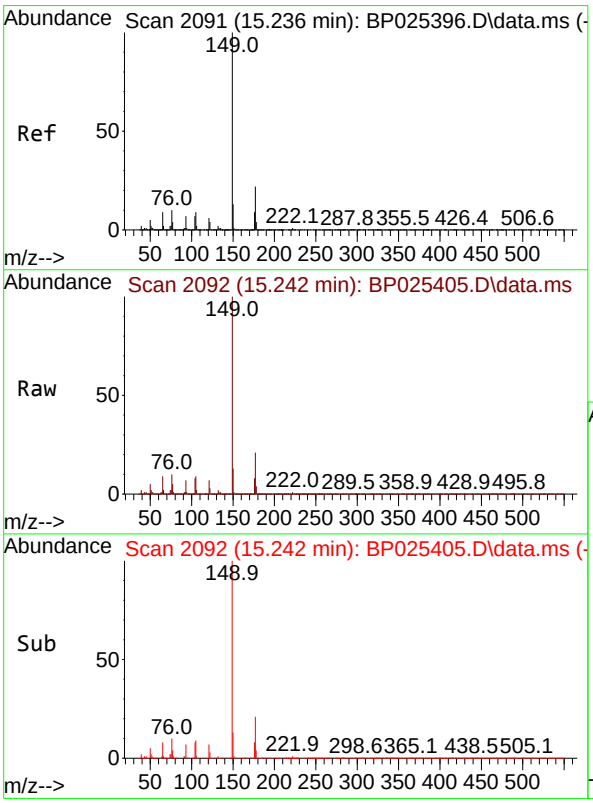
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.876 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 274669

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.0	55.6
130	2.5	1.9	2.9
166	30.7	25.4	38.0

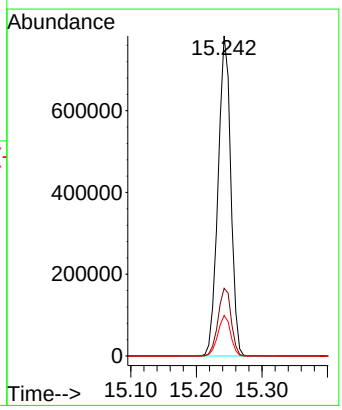


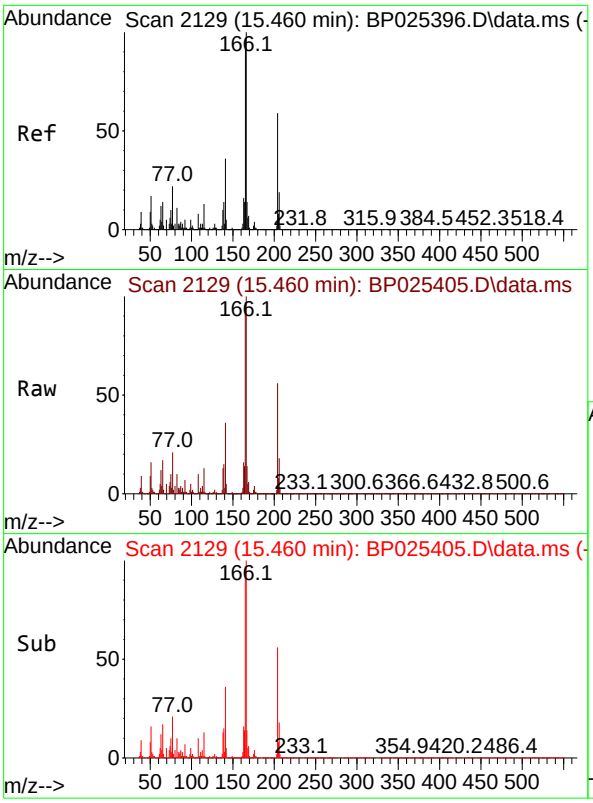


#60
Diethylphthalate
Concen: 40.483 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1047107

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.3	25.9
150	12.7	10.3	15.5



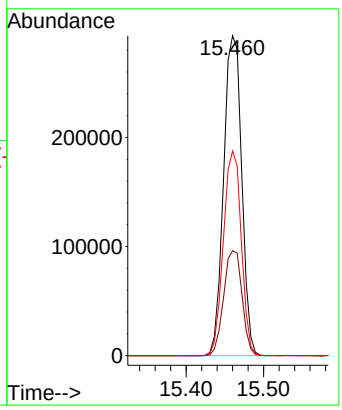


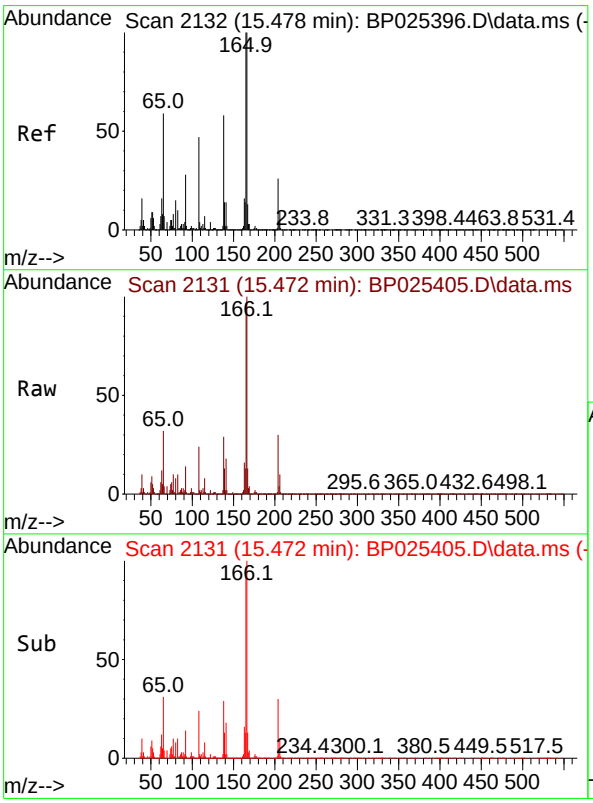
#61
4-Chlorophenyl-phenylether
Concen: 40.215 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 476298

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	64.0	49.4	74.2

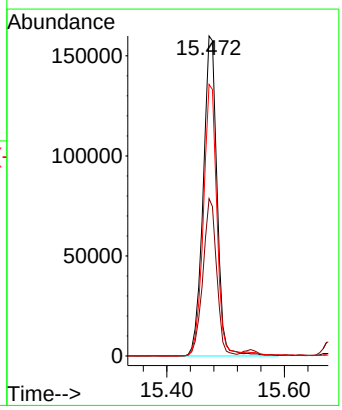


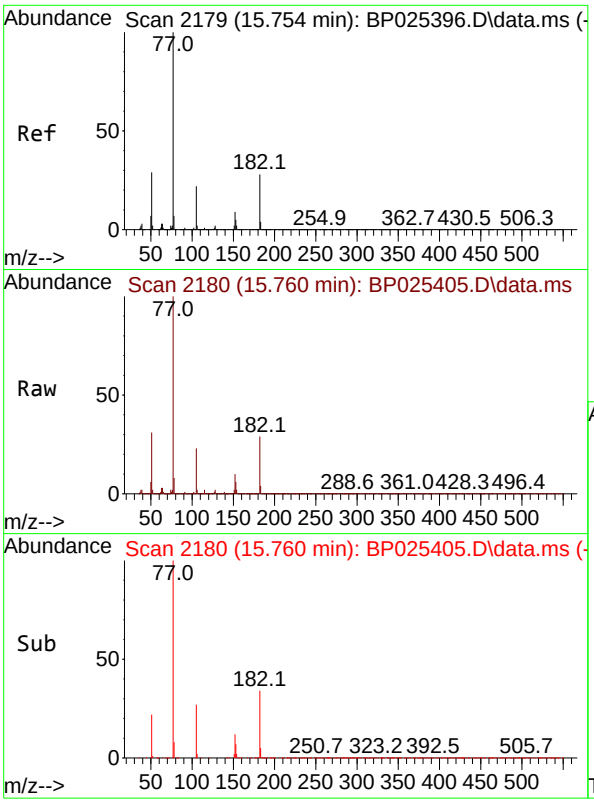


#62
4-Nitroaniline
Concen: 42.276 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:138 Resp: 261619

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	84.9	61.5	101.5



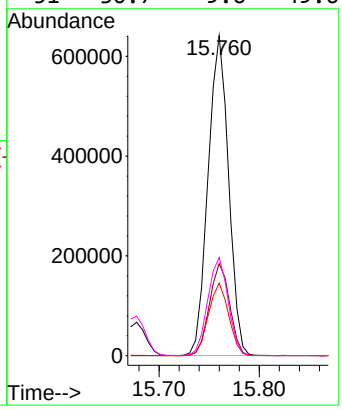


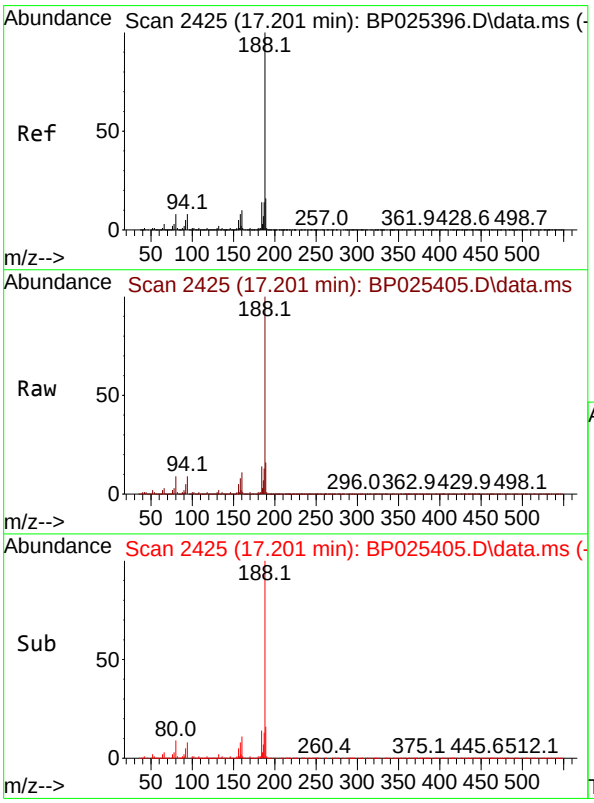
#63
Azobenzene
Concen: 41.097 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 910196

Ion	Ratio	Lower	Upper
77	100		
182	28.7	7.5	47.5
105	22.7	2.1	42.1
51	30.7	9.6	49.6

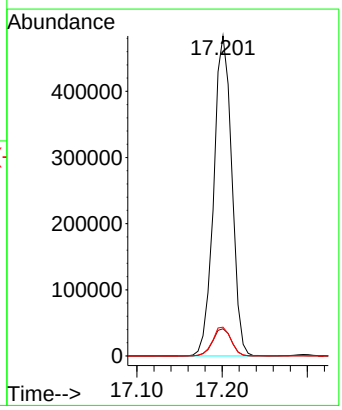


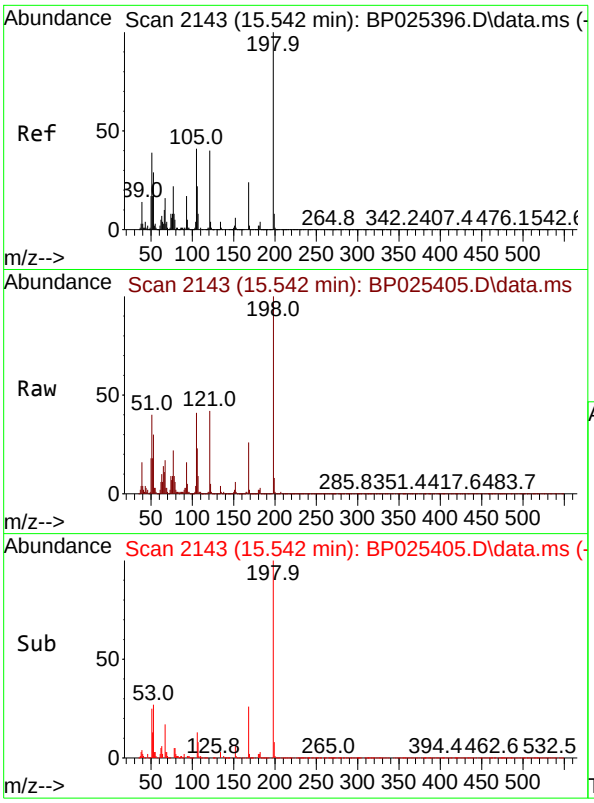


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:188 Resp: 711916

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.0	6.7	10.1



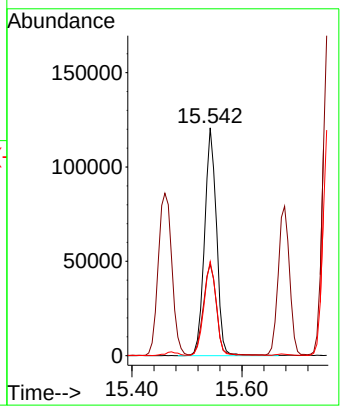


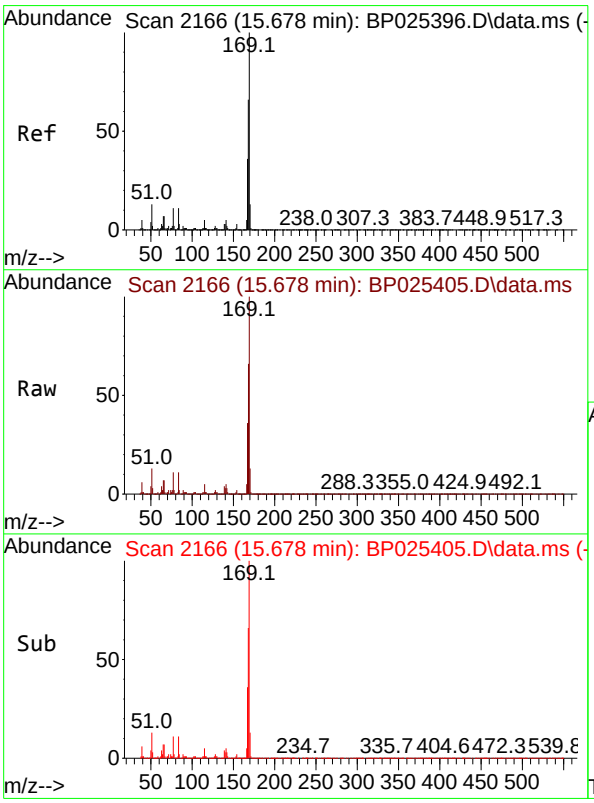
#65
4,6-Dinitro-2-methylphenol
Concen: 40.785 ng
RT: 15.542 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 180993

Ion	Ratio	Lower	Upper
198	100		
51	40.1	19.6	59.6
105	41.3	20.9	60.9

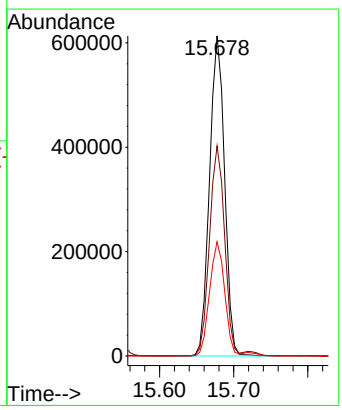


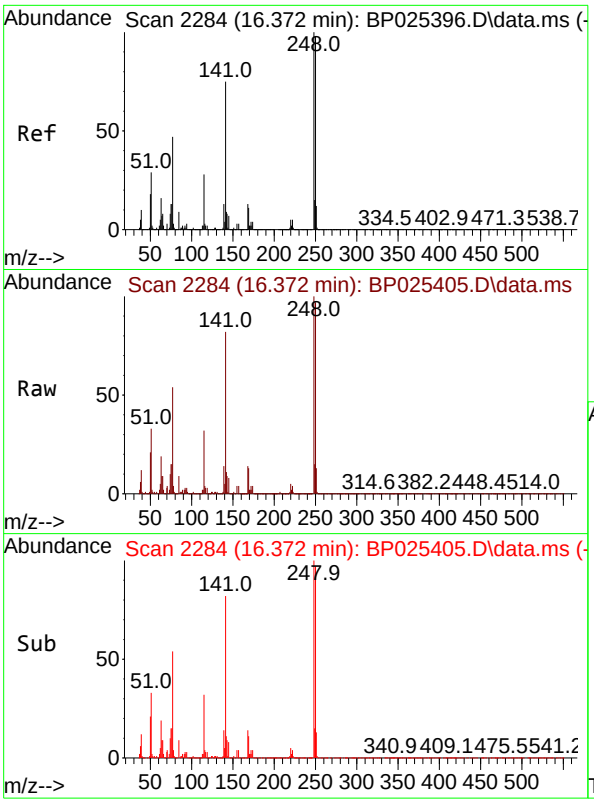


#66
n-Nitrosodiphenylamine
Concen: 39.818 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:169 Resp: 864418

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.7	28.7	43.1



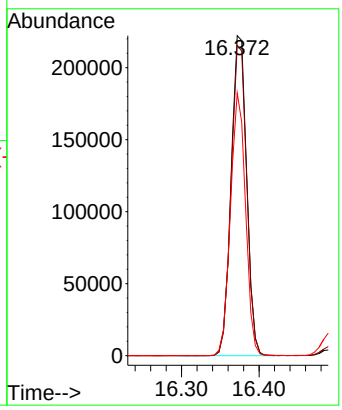


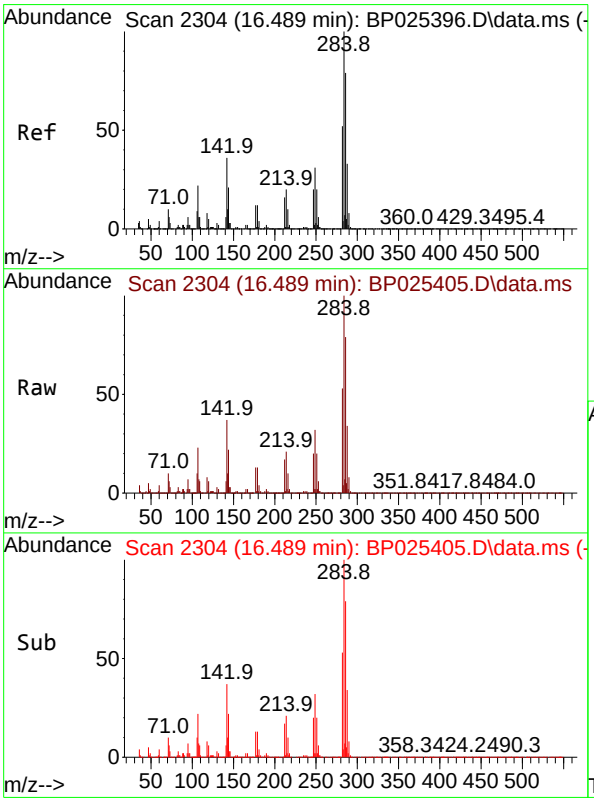
#67
4-Bromophenyl-phenylether
Concen: 39.718 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 310981

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.2	117.2
141	82.1	59.6	89.4

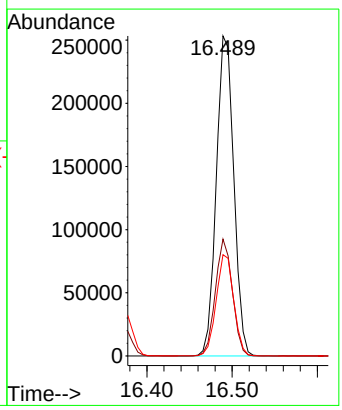


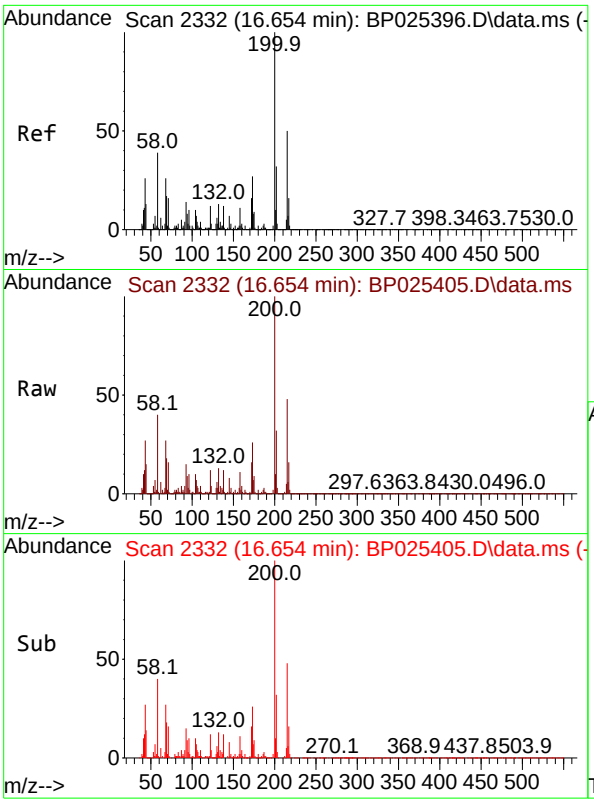


#68
Hexachlorobenzene
Concen: 39.777 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:284 Resp: 361031

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.1	43.7
249	31.7	25.0	37.4



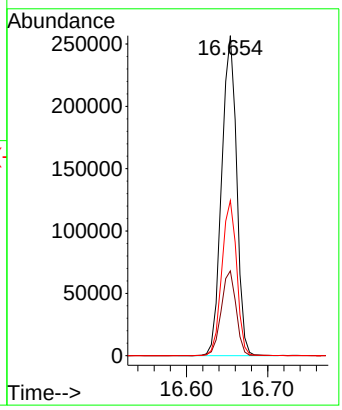


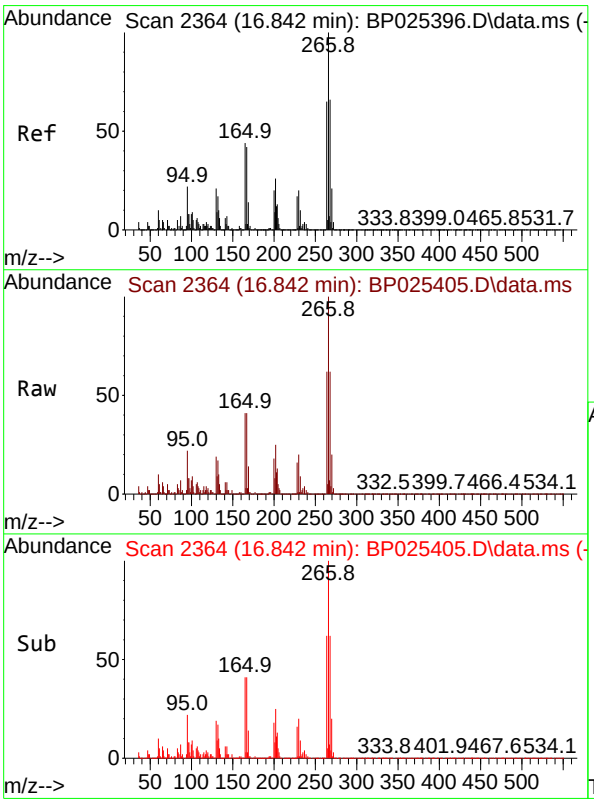
#69
Atrazine
Concen: 40.573 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 329865

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	48.5	29.7	69.7

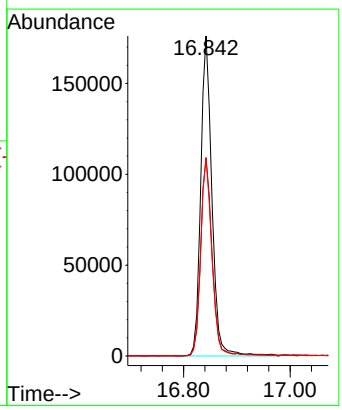


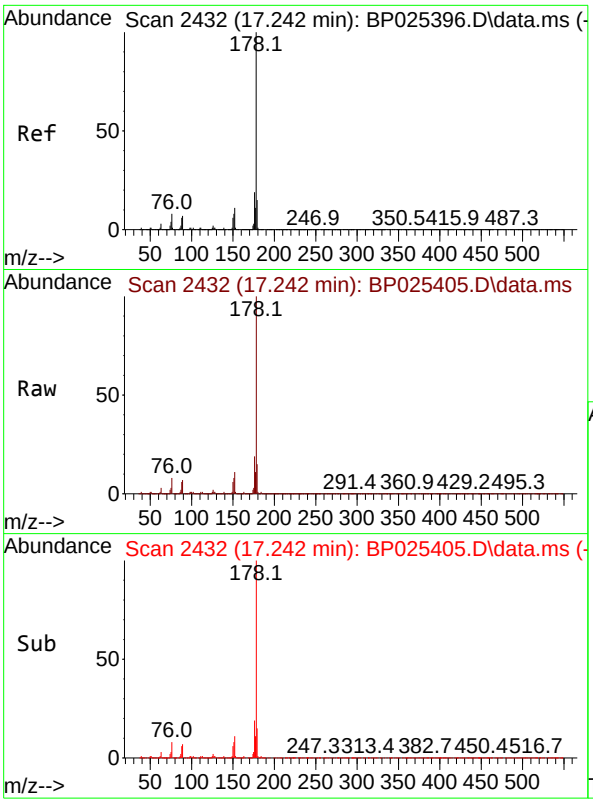


#70
Pentachlorophenol
Concen: 44.716 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:266 Resp: 256195

Ion	Ratio	Lower	Upper
266	100		
268	61.9	52.6	79.0
264	61.9	52.0	78.0



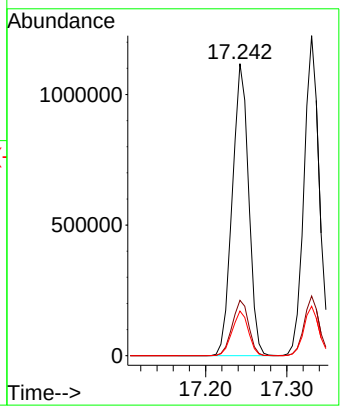


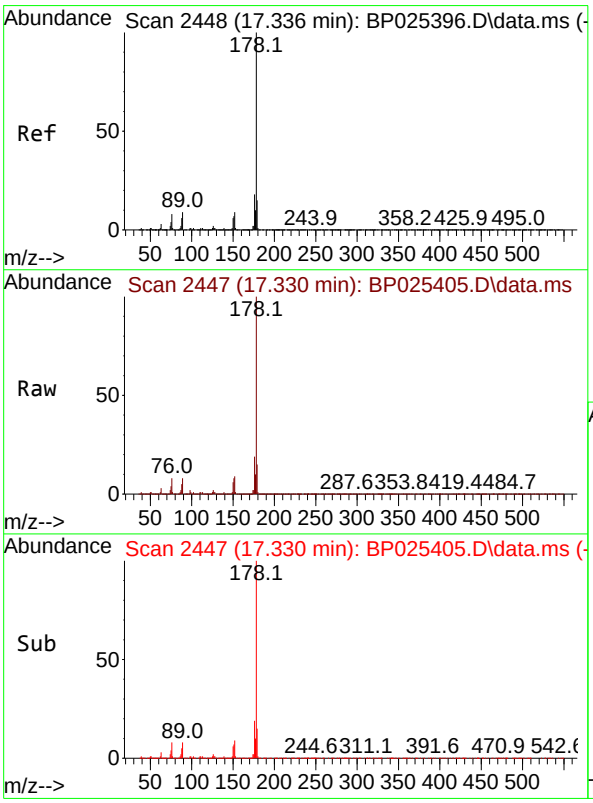
#71
Phenanthrene
Concen: 39.928 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1561490

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.2	18.4

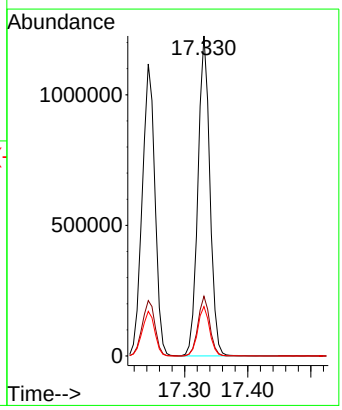


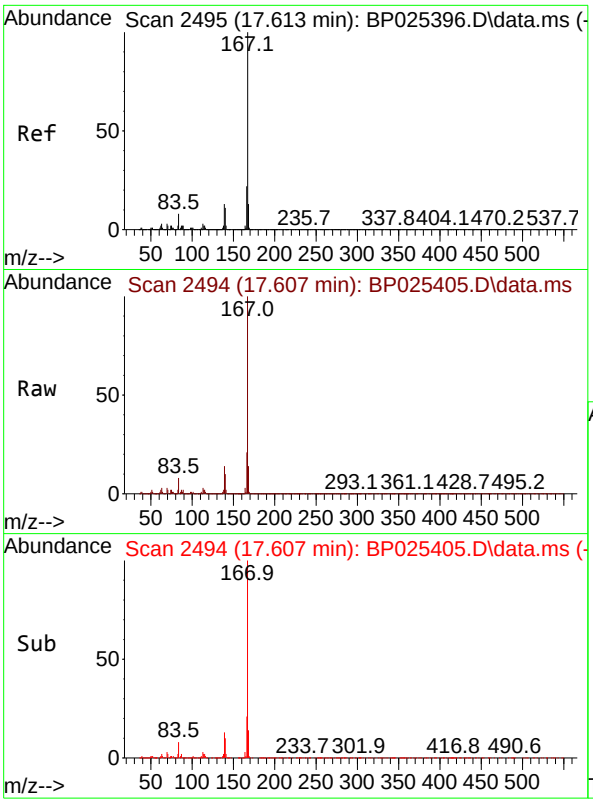


#72
Anthracene
Concen: 40.073 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:178 Resp: 1600393

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.2	18.2



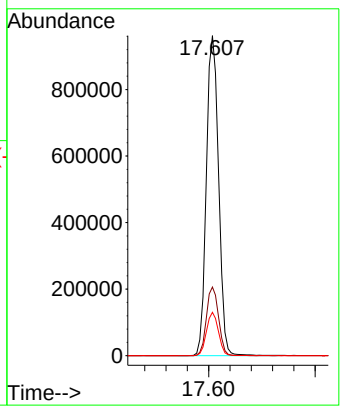


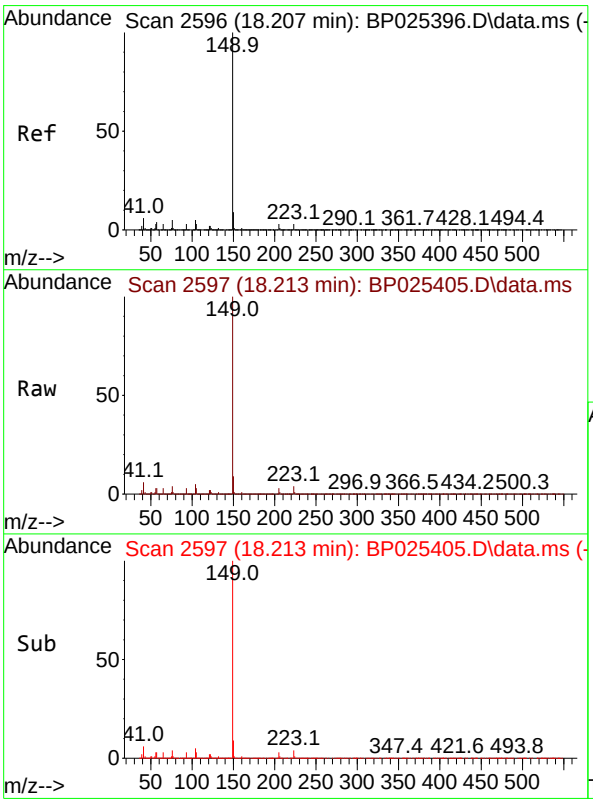
#73
Carbazole
Concen: 40.652 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1529199

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.6	10.6	16.0

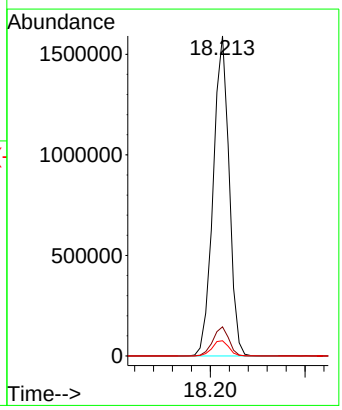


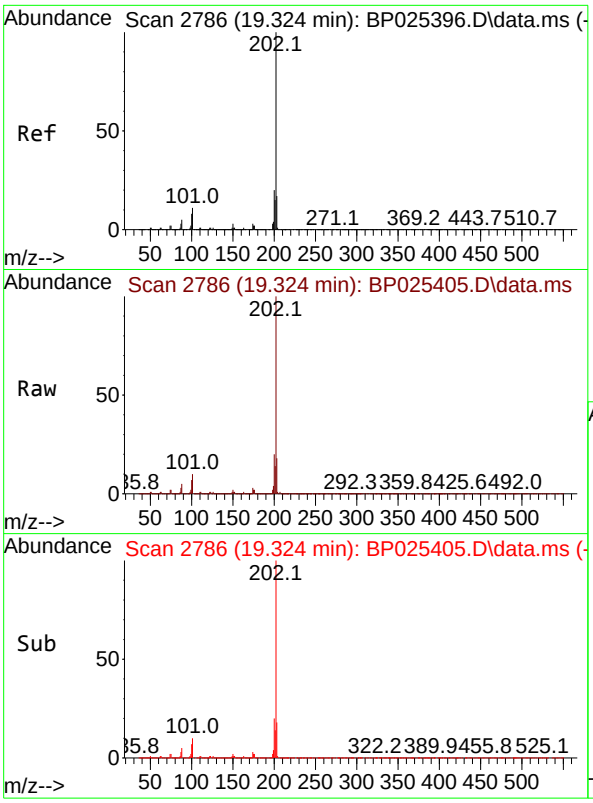


#74
Di-n-butylphthalate
Concen: 40.088 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1855338

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.8	4.2	6.2



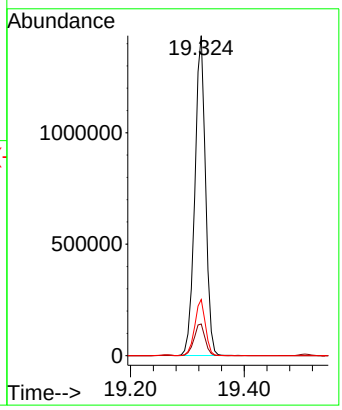


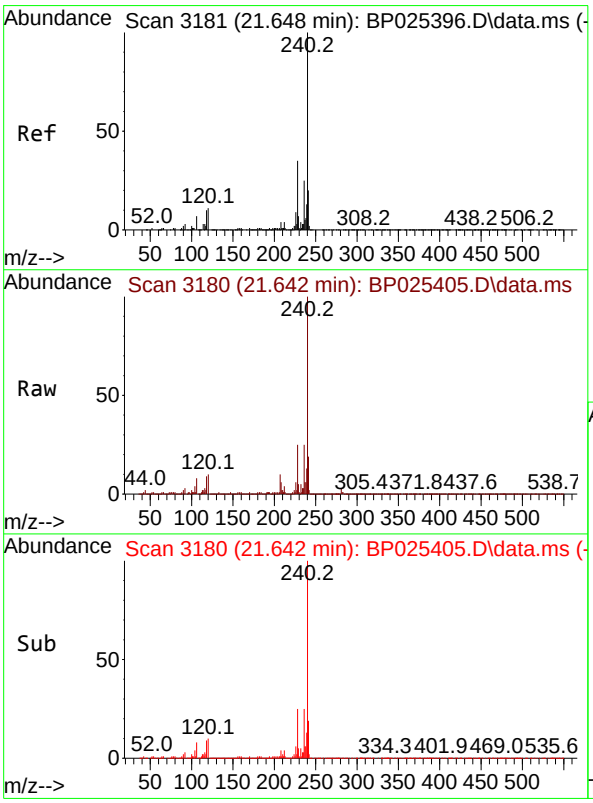
#75
Fluoranthene
Concen: 40.295 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1879703

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.6	0.0	37.3

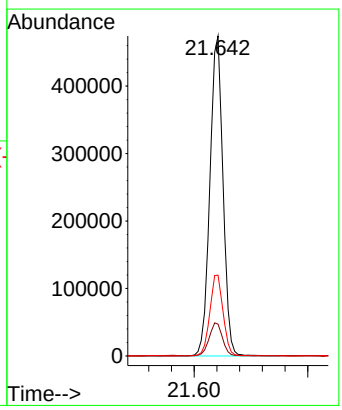


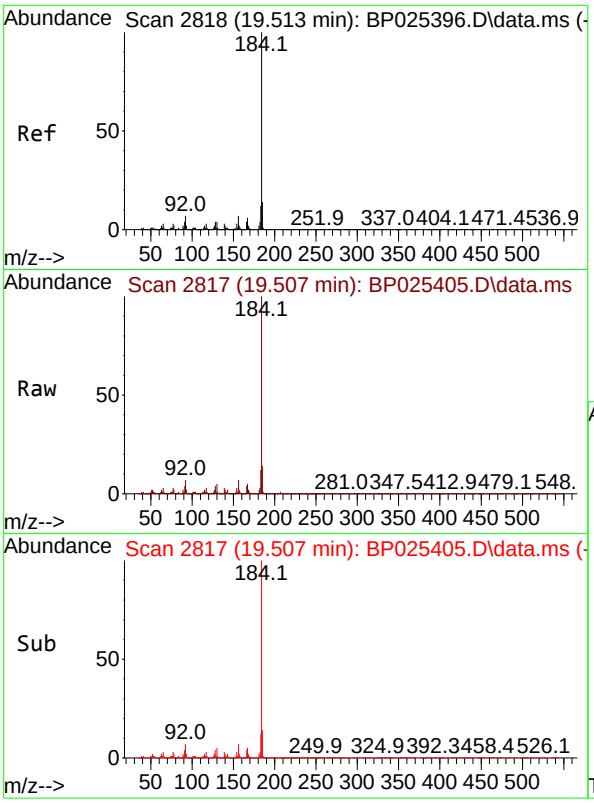


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:240 Resp: 755861

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.9	13.3
236	25.3	19.8	29.8



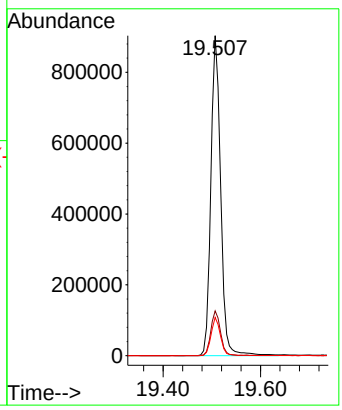


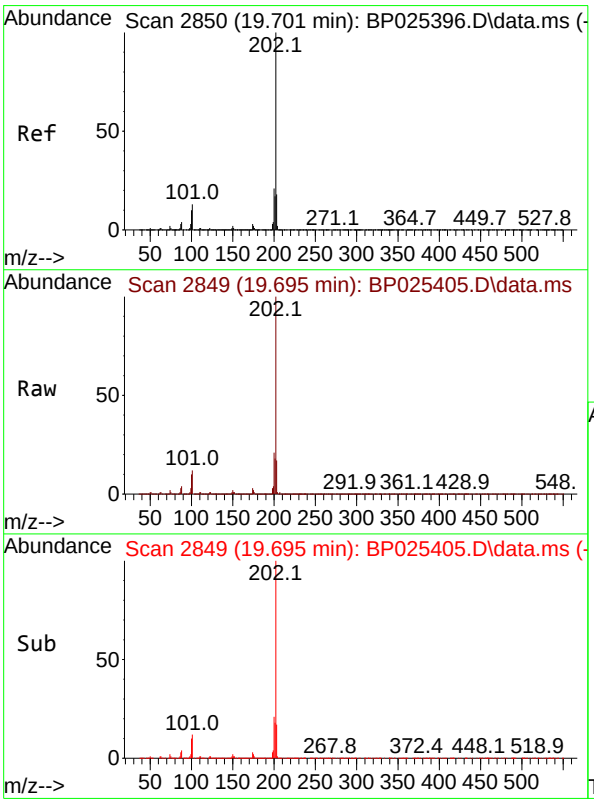
#77
Benzidine
Concen: 48.674 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1255588

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.9	9.4	14.2

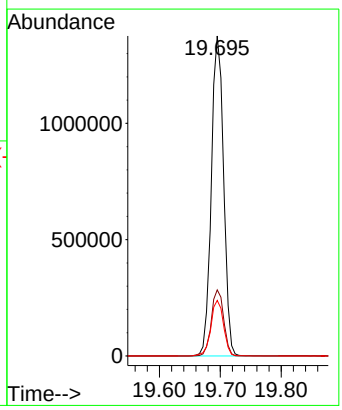


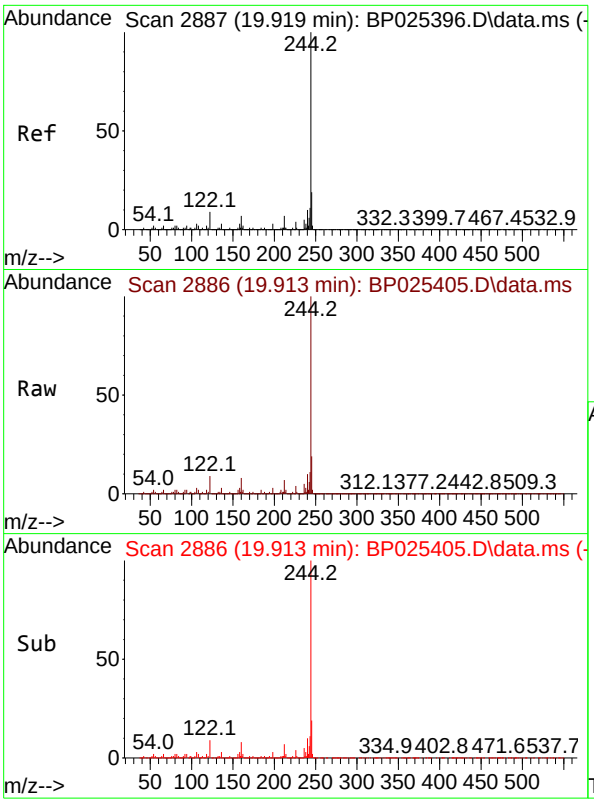


#78
Pyrene
Concen: 39.243 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:202 Resp: 1927979

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.4	14.2	21.2



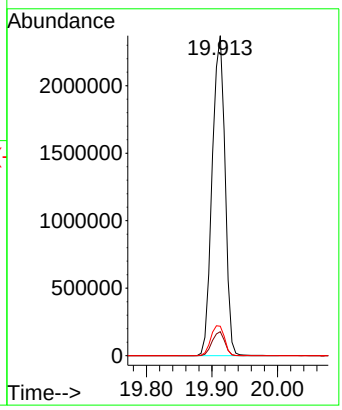


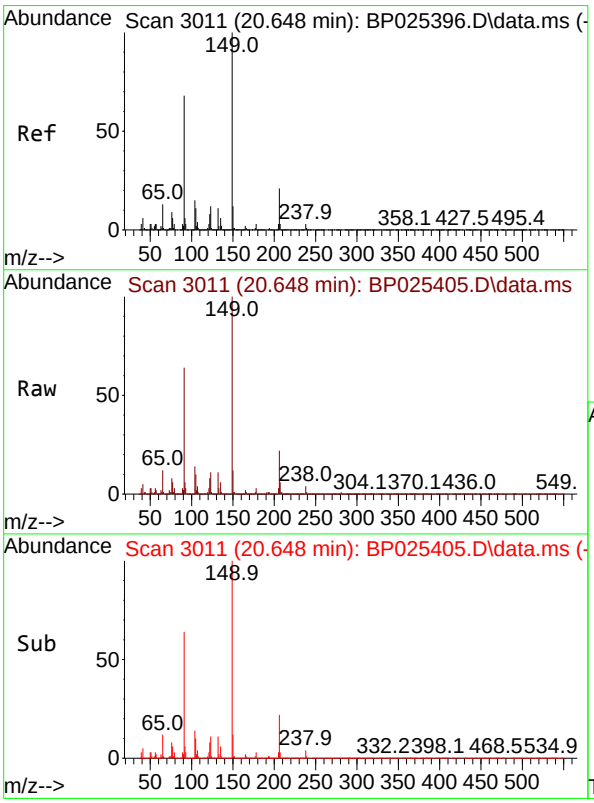
#79
Terphenyl-d14
Concen: 78.141 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3228271

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	9.2	7.4	11.2

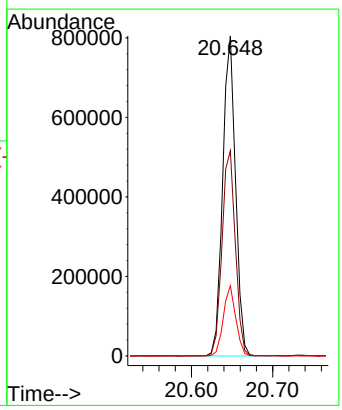


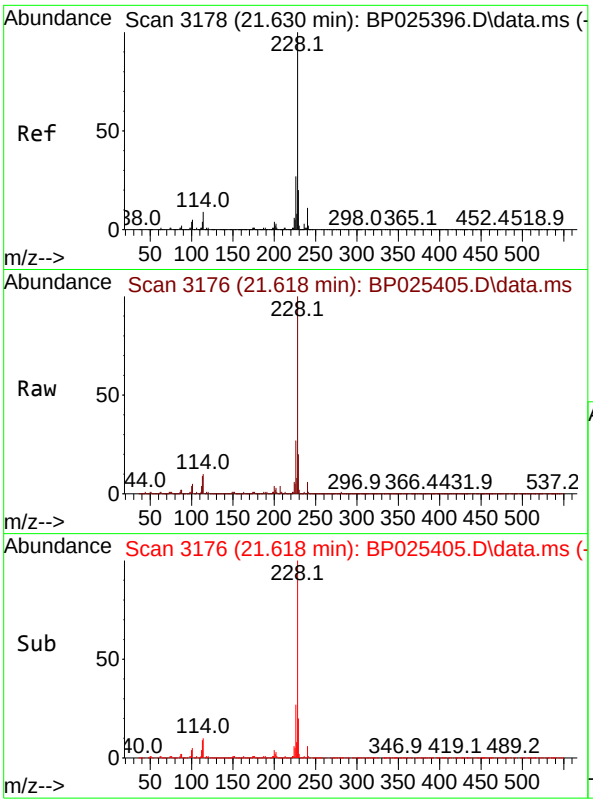


#80
Butylbenzylphthalate
Concen: 39.923 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 888903

Ion	Ratio	Lower	Upper
149	100		
91	64.1	54.2	81.2
206	22.0	16.6	24.8



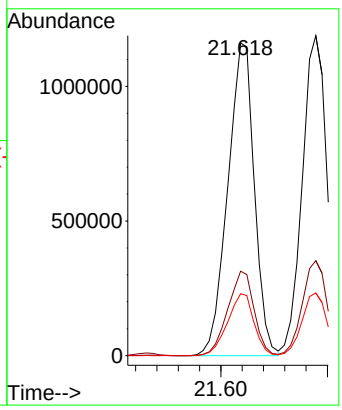


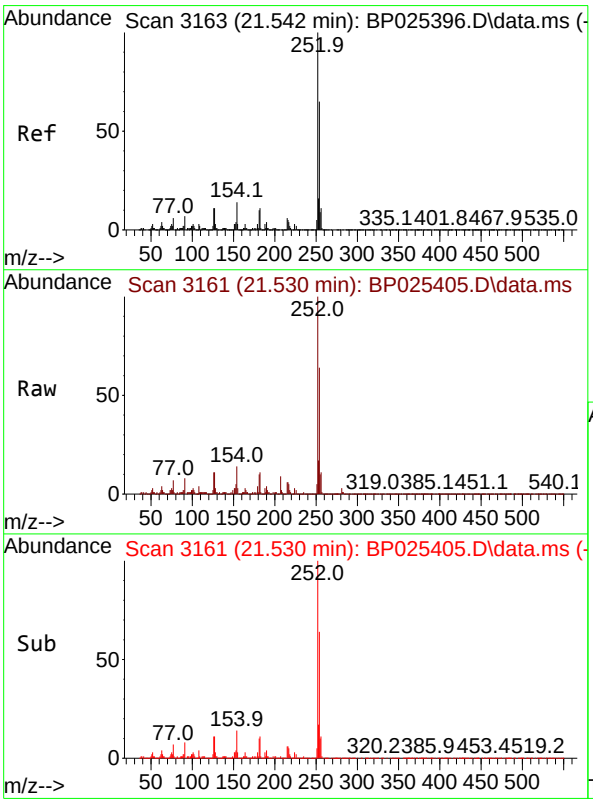
#81
Benzo(a)anthracene
Concen: 40.350 ng
RT: 21.618 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2011424

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.8	15.6	23.4

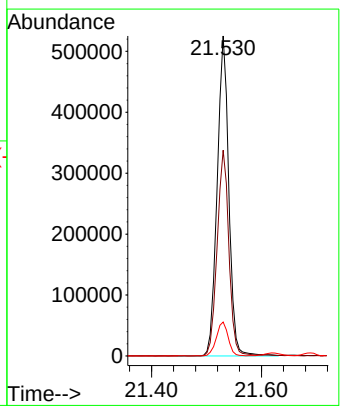


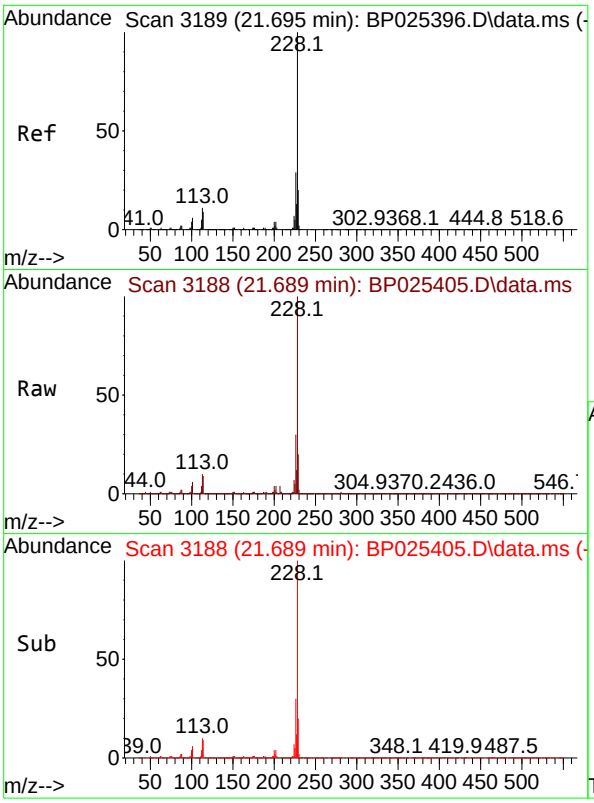


#82
3,3'-Dichlorobenzidine
Concen: 41.063 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 771557

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.8	77.6
126	10.6	9.1	13.7



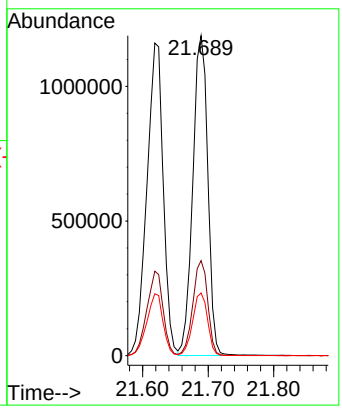


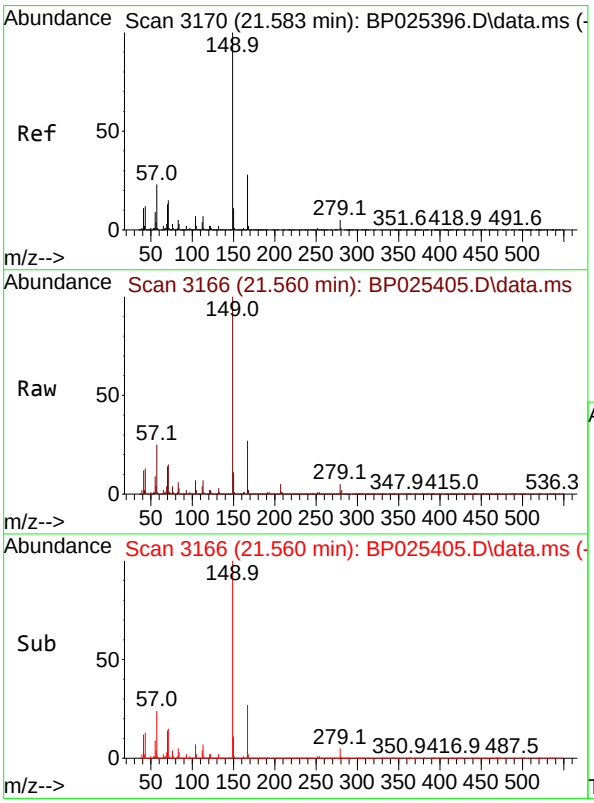
#83
Chrysene
Concen: 40.587 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1894765

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.6	15.6	23.4

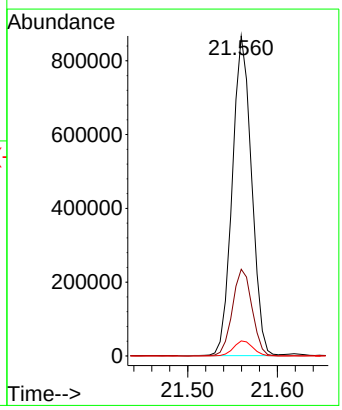


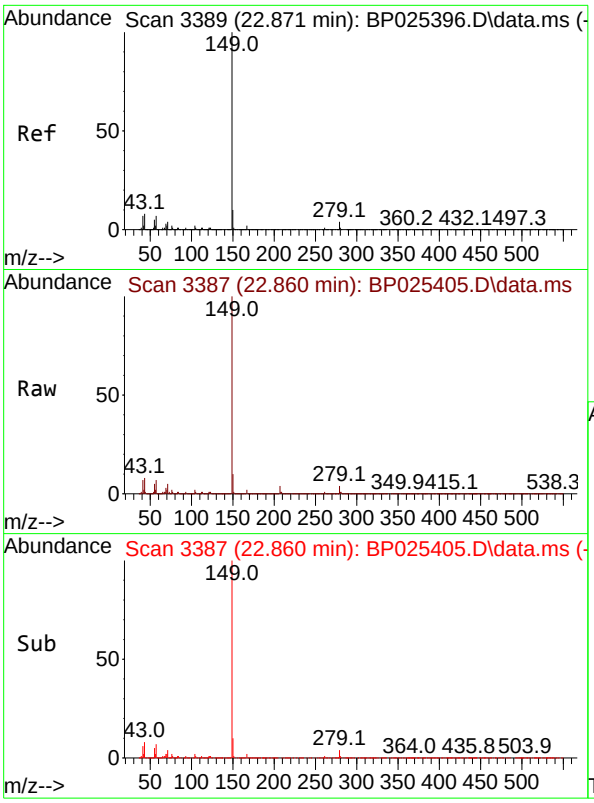


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.528 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:149 Resp: 1295582

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.1	33.1
279	4.7	3.8	5.6



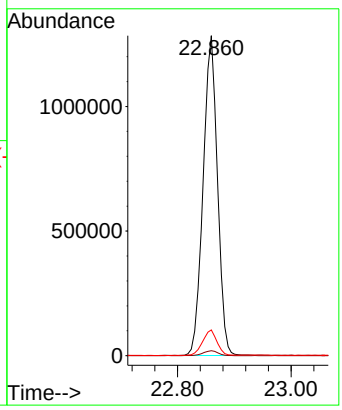


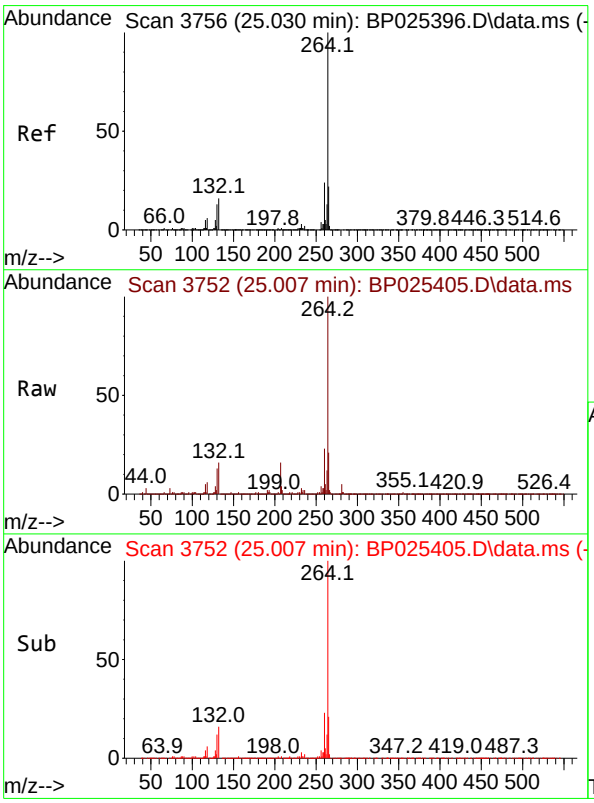
#85
Di-n-octyl phthalate
Concen: 39.799 ng
RT: 22.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2243739

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.3	9.5

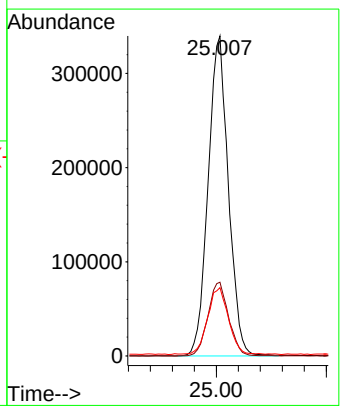


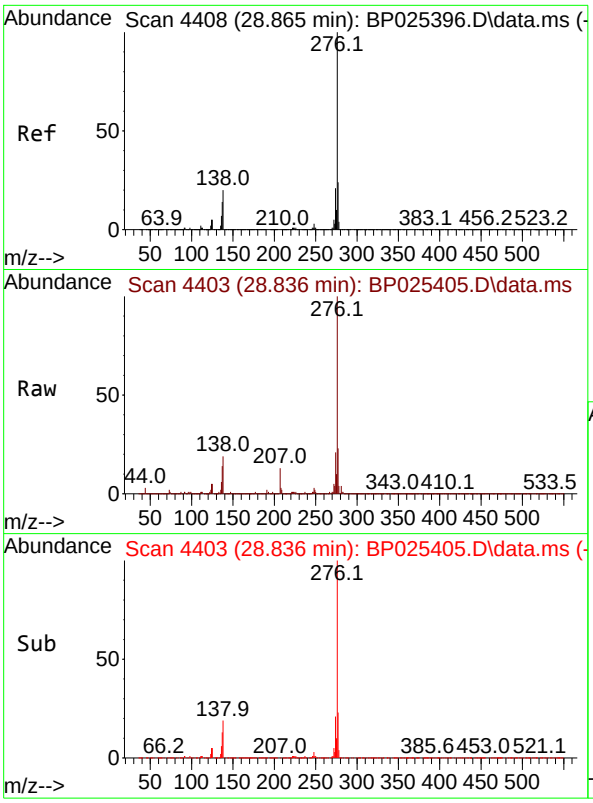


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:264 Resp: 870596

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	21.3	17.4	26.0



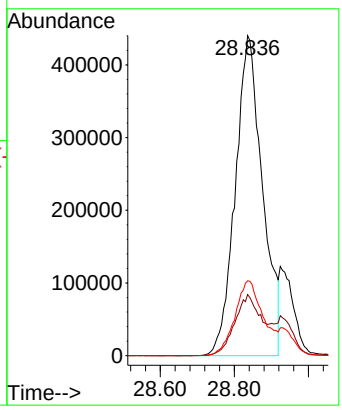


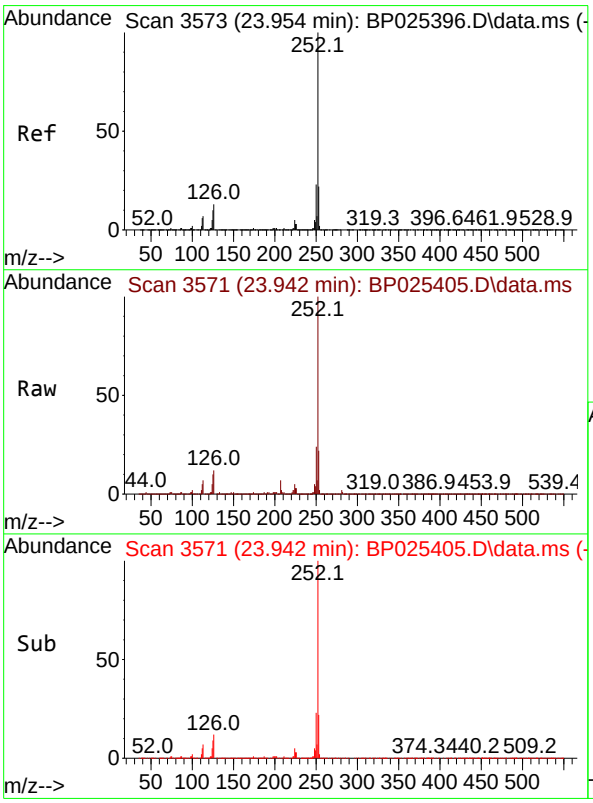
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.134 ng
RT: 28.836 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2243168

Ion	Ratio	Lower	Upper
276	100		
138	17.9	12.9	19.3
277	24.6	17.0	25.6

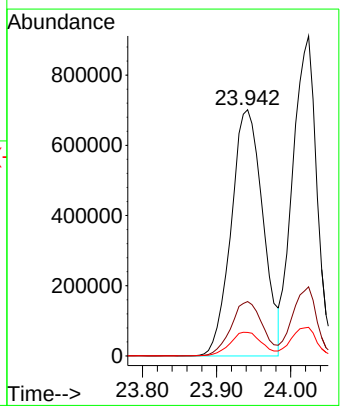


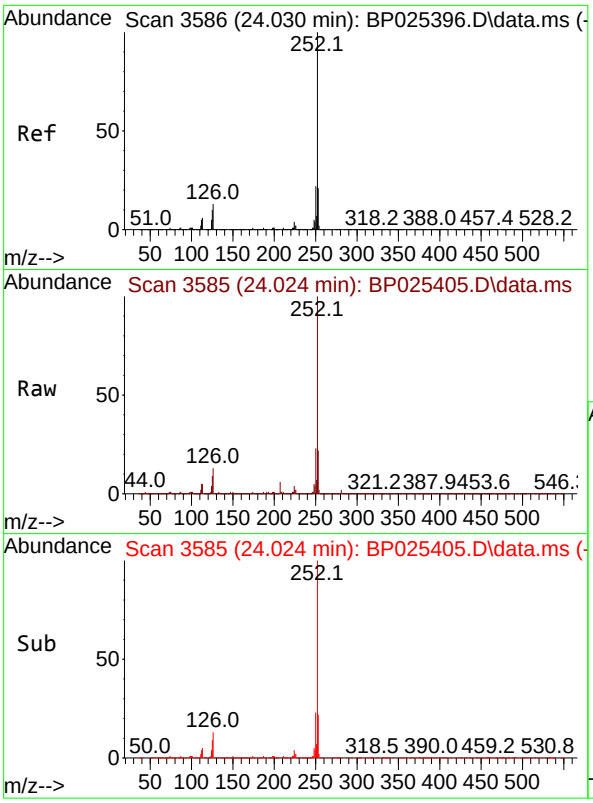


#88
Benzo(b)fluoranthene
Concen: 40.672 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 2087946

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.5	7.9	11.9



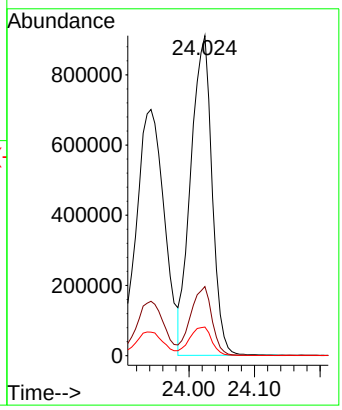


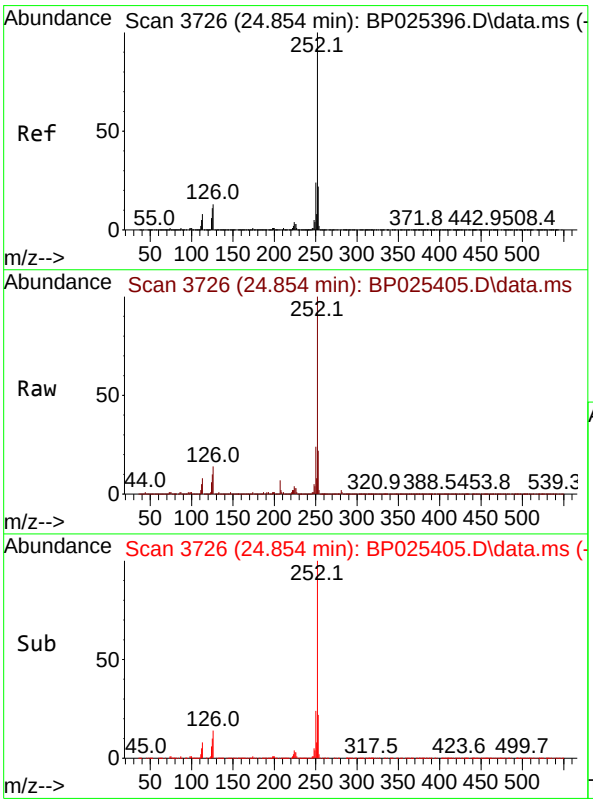
#89
Benzo(k)fluoranthene
Concen: 39.896 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2049523

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.0	7.8	11.6

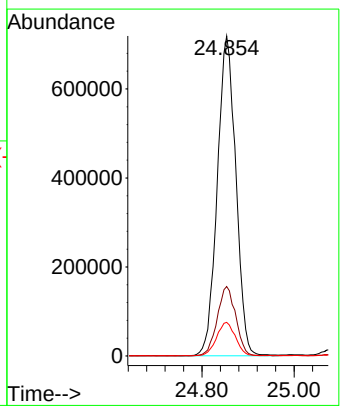


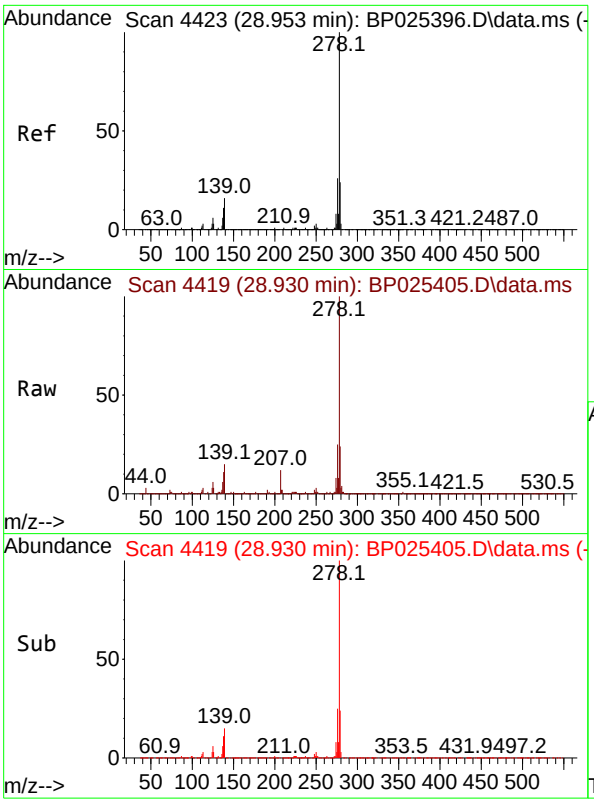


#90
Benzo(a)pyrene
Concen: 40.111 ng
RT: 24.854 min Scan# 3726
Delta R.T. 0.000 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:252 Resp: 2004437

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.5	8.7	13.1



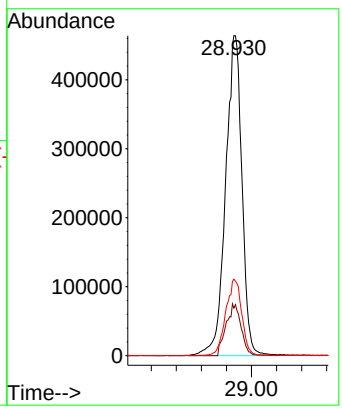


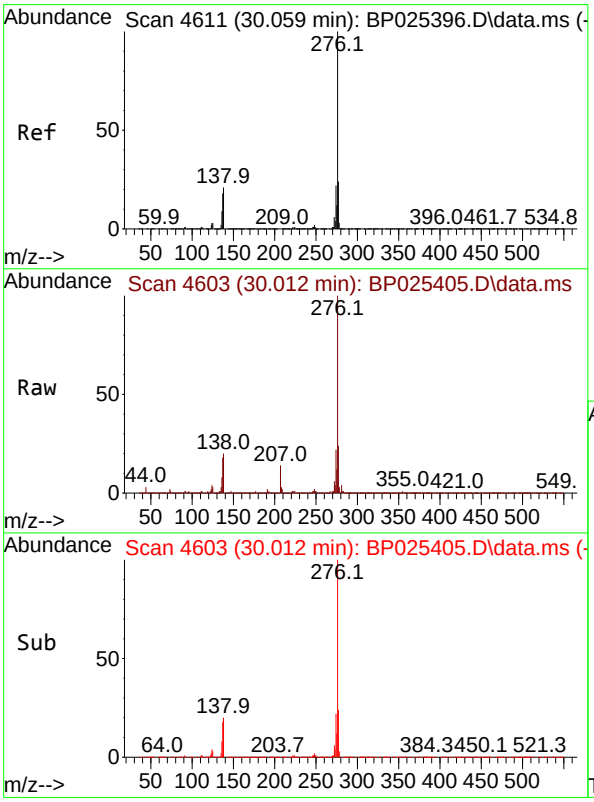
#91
Dibenzo(a,h)anthracene
Concen: 40.314 ng
RT: 28.930 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2103391

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.0	19.4
279	23.9	19.4	29.2

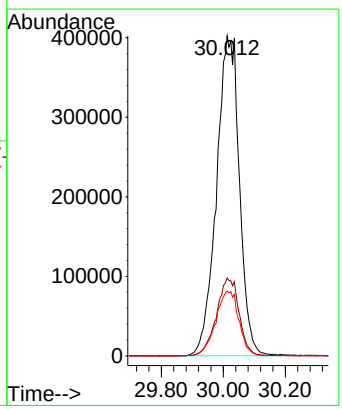




#92
Benzo(g,h,i)perylene
Concen: 40.212 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025405.D
Acq: 14 Aug 2025 22:56

Tgt Ion:276 Resp: 2062390

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	20.3	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	147030	20.000	ng		0.00
21) Naphthalene-d8	10.554	136	606682	20.000	ng		0.00
39) Acenaphthene-d10	14.401	164	410001	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	838541	20.000	ng		-0.01
76) Chrysene-d12	21.642	240	848930	20.000	ng		0.00
86) Perylene-d12	25.018	264	946447	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1110154	125.391	ng		0.00
7) Phenol-d6	6.972	99	1425501	125.584	ng		0.00
23) Nitrobenzene-d5	8.931	82	911194	75.976	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	707616	128.223	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2196374	73.213	ng		0.00
79) Terphenyl-d14	19.919	244	3590153	77.373	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	130883	37.741	ng		99
3) Pyridine	3.731	79	324920	34.231	ng		98
4) n-Nitrosodimethylamine	3.637	42	165173	42.209	ng		100
6) Aniline	7.125	93	571326	37.357	ng		99
8) 2-Chlorophenol	7.366	128	455193	45.561	ng		99
9) Benzaldehyde	6.937	77	212043	26.663	ng		97
10) Phenol	6.996	94	551928	46.339	ng		97
11) bis(2-Chloroethyl)ether	7.219	93	390018	42.012	ng		98
12) 1,3-Dichlorobenzene	7.684	146	460503	41.801	ng		99
13) 1,4-Dichlorobenzene	7.825	146	466980	41.472	ng		99
14) 1,2-Dichlorobenzene	8.137	146	456253	41.859	ng		98
15) Benzyl Alcohol	8.025	79	401073	44.470	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.307	45	511027	41.092	ng		100
17) 2-Methylphenol	8.225	107	386767	46.755	ng		100
18) Hexachloroethane	8.860	117	171481	41.420	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	312622	41.580	ng		98
20) 3+4-Methylphenols	8.549	107	528303	46.073	ng		97
22) Acetophenone	8.596	105	658466	43.279	ng	#	98
24) Nitrobenzene	8.972	77	468149	43.677	ng		99
25) Isophorone	9.496	82	915580	43.137	ng		99
26) 2-Nitrophenol	9.672	139	240132	43.654	ng		97
27) 2,4-Dimethylphenol	9.737	122	448325	47.393	ng		98
28) bis(2-Chloroethoxy)met...	9.966	93	546870	42.624	ng		98
29) 2,4-Dichlorophenol	10.207	162	449262	47.808	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	440470	42.758	ng		98
31) Naphthalene	10.607	128	1361279	43.171	ng		99
32) Benzoic acid	9.884	122	336308	48.155	ng		98
33) 4-Chloroaniline	10.707	127	445208	31.964	ng		99
34) Hexachlorobutadiene	10.896	225	272205	42.429	ng		98
35) Caprolactam	11.490	113	162024	47.021	ng		95
36) 4-Chloro-3-methylphenol	11.831	107	511279	47.415	ng		99
37) 2-Methylnaphthalene	12.213	142	895593	43.644	ng		100
38) 1-Methylnaphthalene	12.431	142	932869	42.748	ng		99
40) 1,2,4,5-Tetrachloroben...	12.584	216	506460	42.771	ng		98
41) Hexachlorocyclopentadiene	12.566	237	673801	94.204	ng		98
43) 2,4,6-Trichlorophenol	12.819	196	371415	46.461	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	416860	47.579	ng		97
46) 1,1'-Biphenyl	13.225	154	1304149	43.798	ng		100
47) 2-Chloronaphthalene	13.266	162	1016595	43.855	ng		99
48) 2-Nitroaniline	13.466	65	314909	46.623	ng		96
49) Acenaphthylene	14.119	152	1706619	44.492	ng		100
50) Dimethylphthalate	13.854	163	1374506	45.780	ng		100
51) 2,6-Dinitrotoluene	13.966	165	301444	47.635	ng		99
52) Acenaphthene	14.466	154	996925	44.278	ng		100
53) 3-Nitroaniline	14.295	138	248427	34.892	ng		95
54) 2,4-Dinitrophenol	14.501	184	370101	109.516	ng		98
55) Dibenzofuran	14.801	168	1572174	44.166	ng		98
56) 4-Nitrophenol	14.619	139	563832	96.372	ng		97
57) 2,4-Dinitrotoluene	14.754	165	433702	48.036	ng		97
58) Fluorene	15.460	166	1231357	43.839	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.036	232	369543	47.768	ng		99
60) Diethylphthalate	15.236	149	1395643	45.748	ng		99
61) 4-Chlorophenyl-phenyle...	15.454	204	617842	44.228	ng		100
62) 4-Nitroaniline	15.472	138	326180	44.688	ng		97
63) Azobenzene	15.754	77	1182478	45.267	ng		99
65) 4,6-Dinitro-2-methylph...	15.536	198	256489	49.069	ng		98
66) n-Nitrosodiphenylamine	15.672	169	1141054	44.624	ng		99
67) 4-Bromophenyl-phenylether	16.366	248	406073	44.031	ng		97
68) Hexachlorobenzene	16.483	284	477112	44.629	ng		98
69) Atrazine	16.648	200	436604	45.593	ng		98
70) Pentachlorophenol	16.836	266	647332	95.922	ng		97
71) Phenanthrene	17.236	178	2049033	44.483	ng		100
72) Anthracene	17.330	178	2071926	44.046	ng		100
73) Carbazole	17.607	167	1984094	44.780	ng		99
74) Di-n-butylphthalate	18.201	149	2442996	44.814	ng		100
75) Fluoranthene	19.324	202	2426038	44.153	ng		99
77) Benzidine	19.513	184	1396799	48.212	ng		99
78) Pyrene	19.701	202	2461482	44.610	ng		100
80) Butylbenzylphthalate	20.654	149	1144283	45.758	ng		99
81) Benzo(a)anthracene	21.624	228	2552604	45.593	ng		100
82) 3,3'-Dichlorobenzidine	21.542	252	665844	31.552	ng		99
83) Chrysene	21.695	228	2383389	45.457	ng		99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1660300	45.102	ng		100
85) Di-n-octyl phthalate	22.865	149	2881260	45.504	ng		100
87) Indeno(1,2,3-cd)pyrene	28.842	276	2749360	39.611	ng	#	58
88) Benzo(b)fluoranthene	23.948	252	2645452	47.402	ng		98
89) Benzo(k)fluoranthene	24.007	252	2554212	45.736	ng		99
90) Benzo(a)pyrene	24.848	252	2544632	46.840	ng		99
91) Dibenzo(a,h)anthracene	28.918	278	2636878	46.488	ng		98
92) Benzo(g,h,i)perylene	30.024	276	2572611	46.141	ng		99

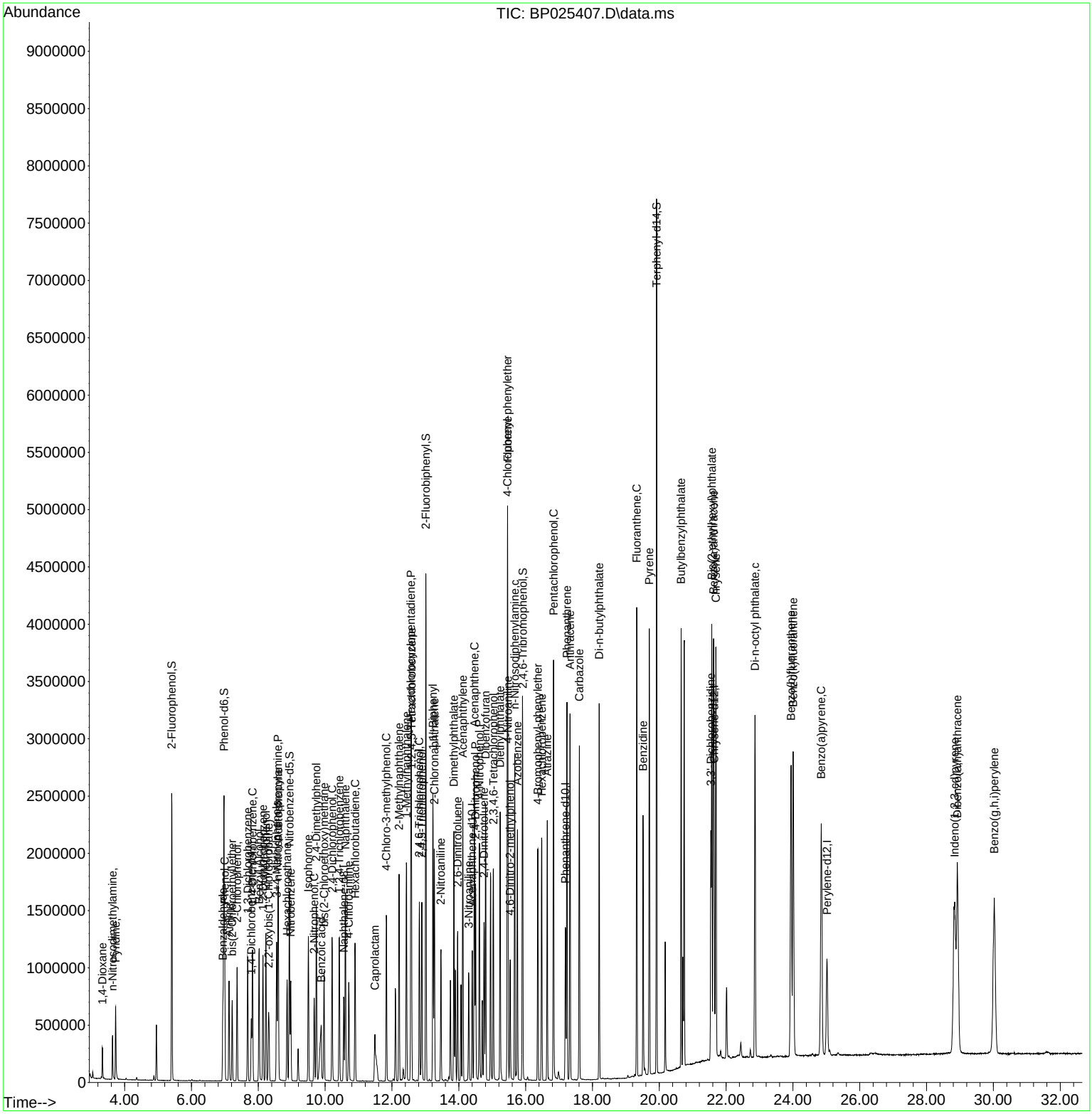
(#) = qualifier out of range (m) = manual integration (+) = signals summed

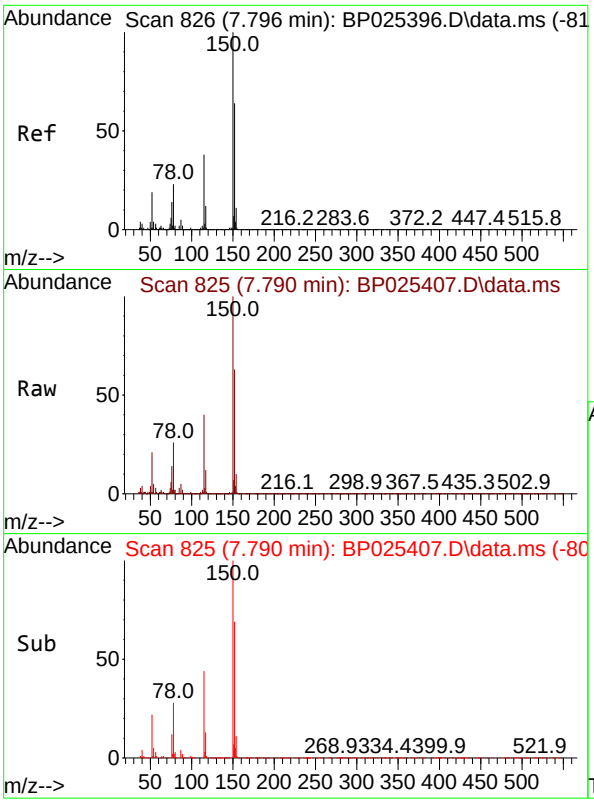
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025407.D
Acq On : 15 Aug 2025 00:18
Operator : CG/JU
Sample : PB169228BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Quant Time: Aug 15 01:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



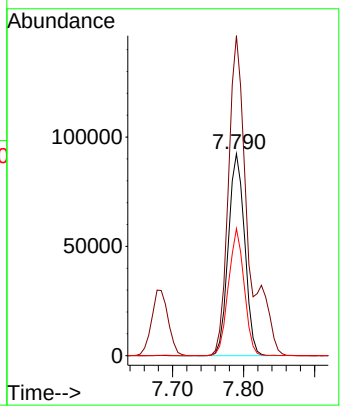


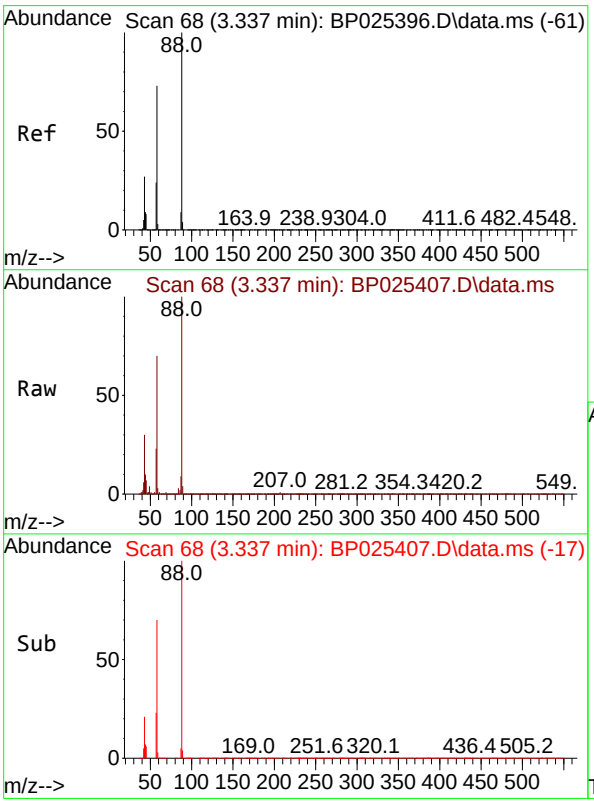
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:152 Resp: 147030

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	62.9	48.5	72.7

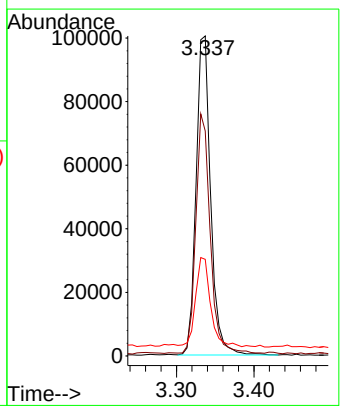


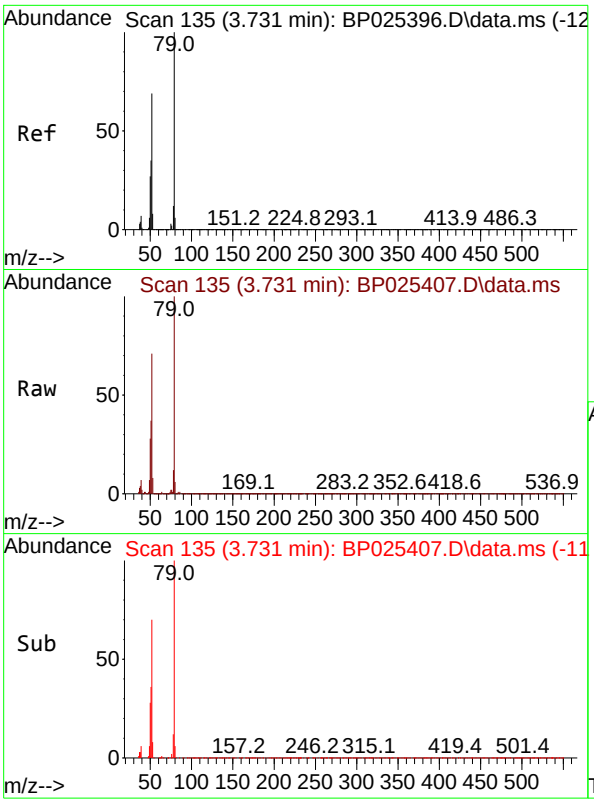


#2
1,4-Dioxane
Concen: 37.741 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 88 Resp: 130883

Ion	Ratio	Lower	Upper
88	100		
58	74.0	59.2	88.8
43	28.5	21.7	32.5



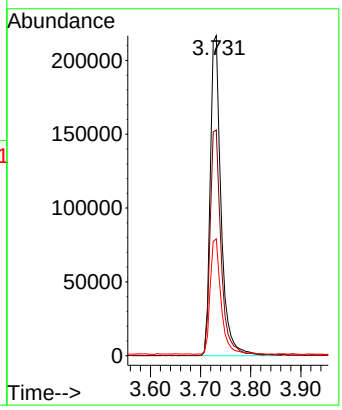


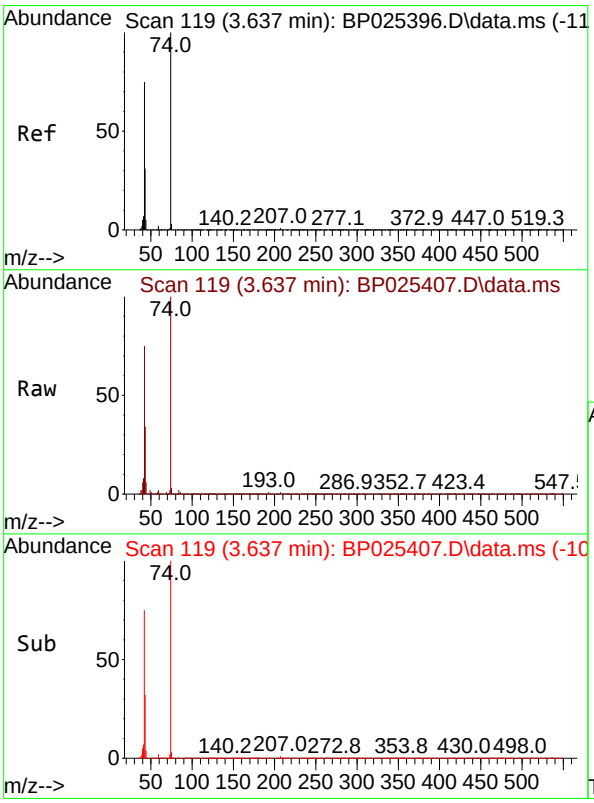
#3
Pyridine
Concen: 34.231 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 79 Resp: 324920

Ion	Ratio	Lower	Upper
79	100		
52	70.5	55.5	83.3
51	36.5	28.3	42.5

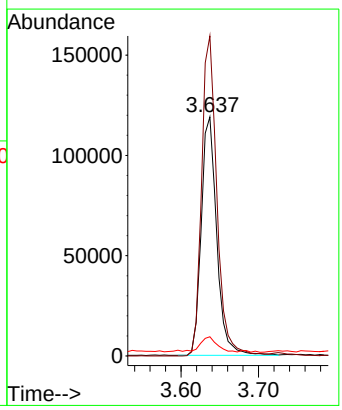


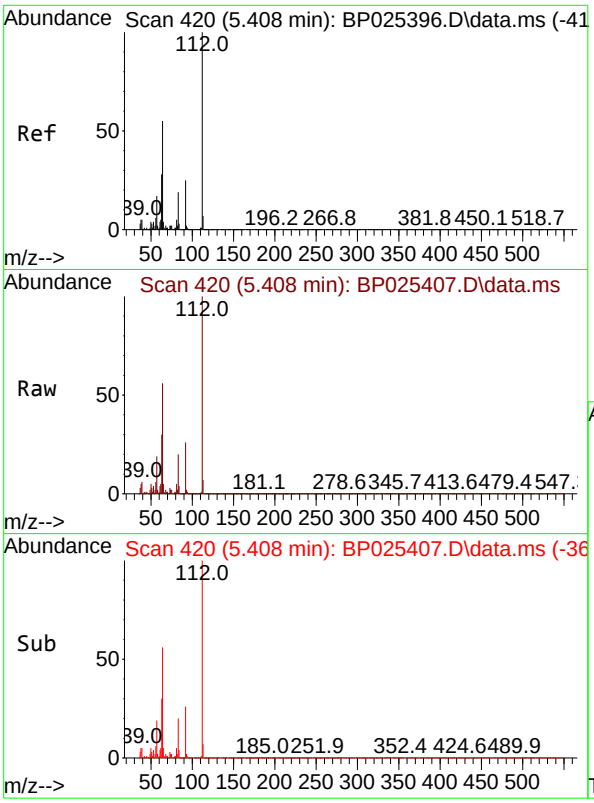


#4
n-Nitrosodimethylamine
Concen: 42.209 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 42 Resp: 165173

Ion	Ratio	Lower	Upper
42	100		
74	133.9	107.0	160.4
44	8.0	6.2	9.4



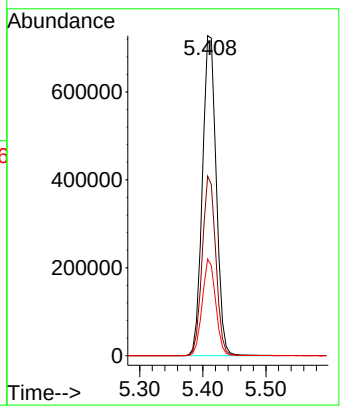


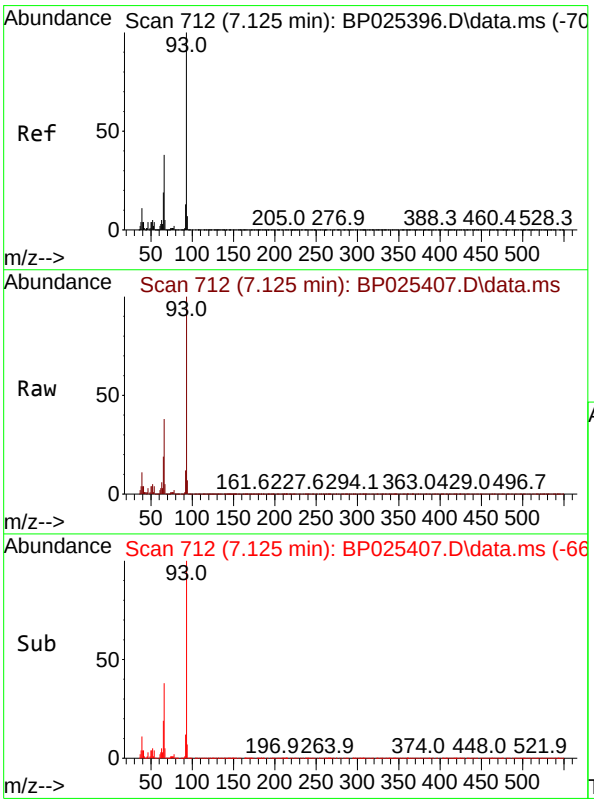
#5
2-Fluorophenol
Concen: 125.391 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:112 Resp: 1110154

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	30.2	22.7	34.1

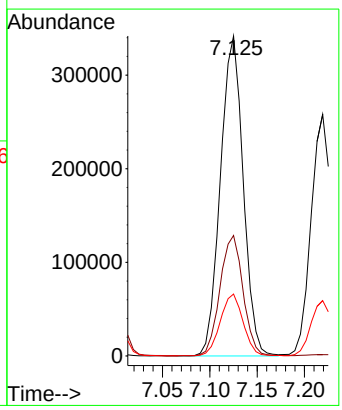


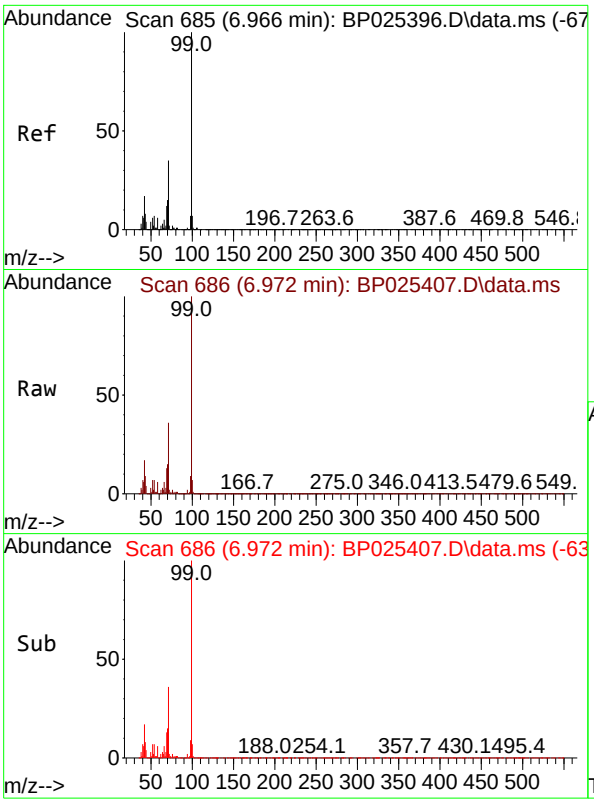


#6
Aniline
Concen: 37.357 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 93 Resp: 571326

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.4	45.6
65	19.4	15.3	22.9



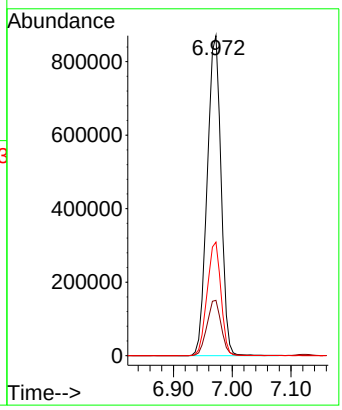


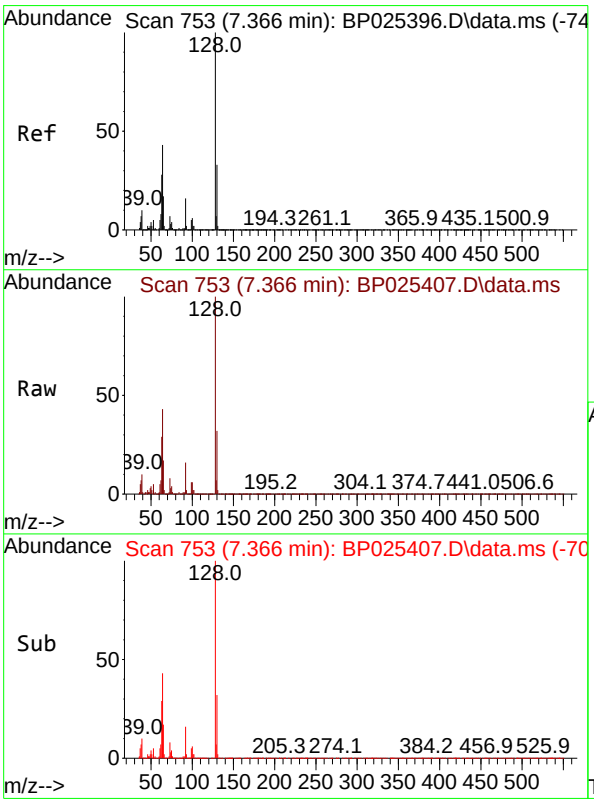
#7
Phenol-d6
Concen: 125.584 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 99 Resp: 1425501

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	35.5	28.2	42.4

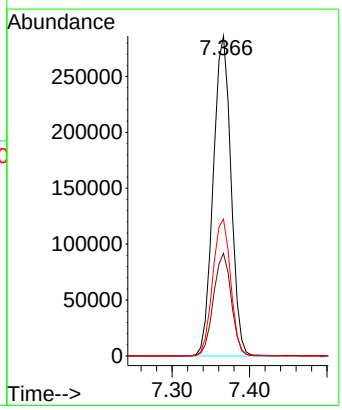


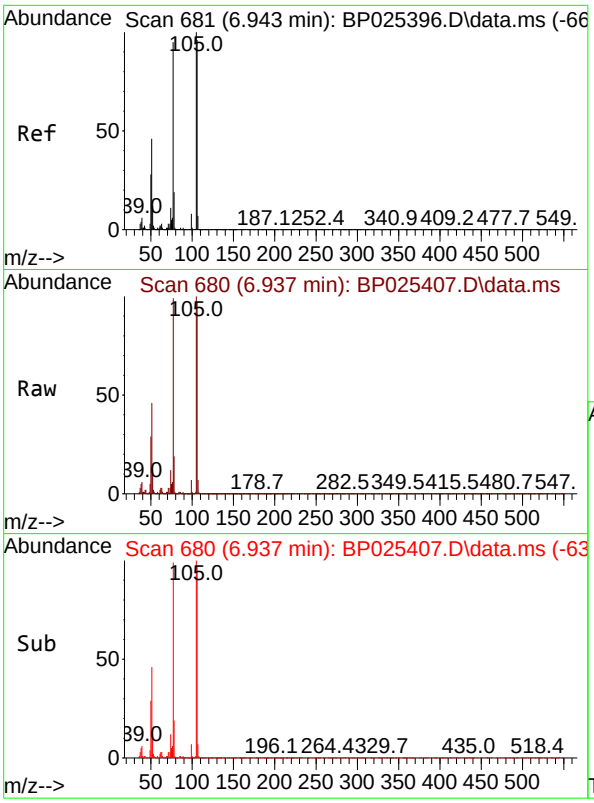


#8
2-Chlorophenol
Concen: 45.561 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:128 Resp: 455193

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	42.8	23.4	63.4



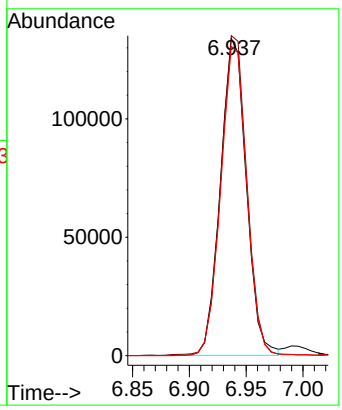


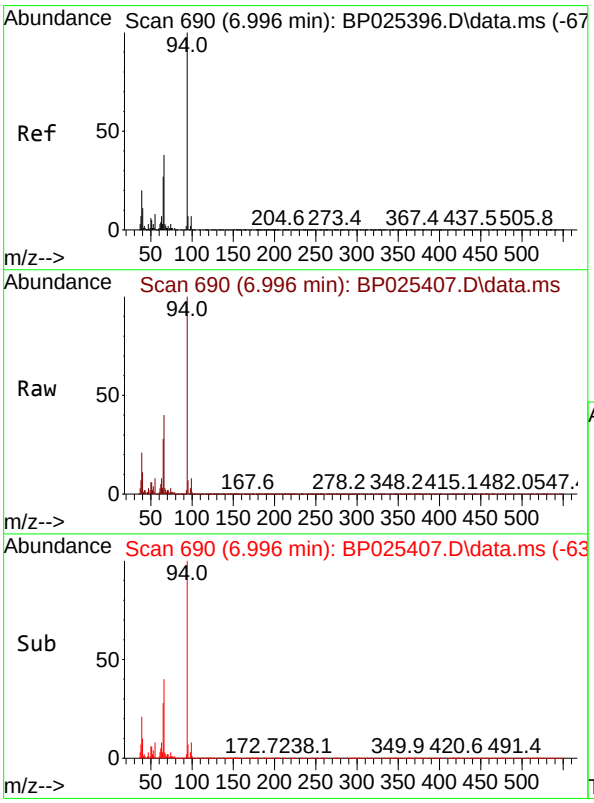
#9
Benzaldehyde
Concen: 26.663 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 77 Resp: 212043

Ion	Ratio	Lower	Upper
77	100		
105	100.9	84.8	124.8
106	97.6	80.5	120.5

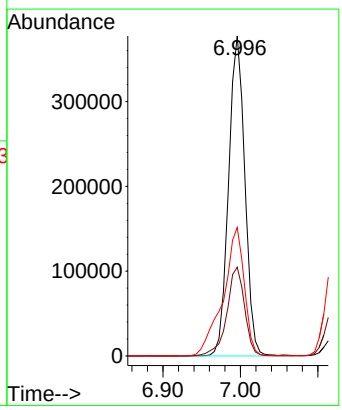


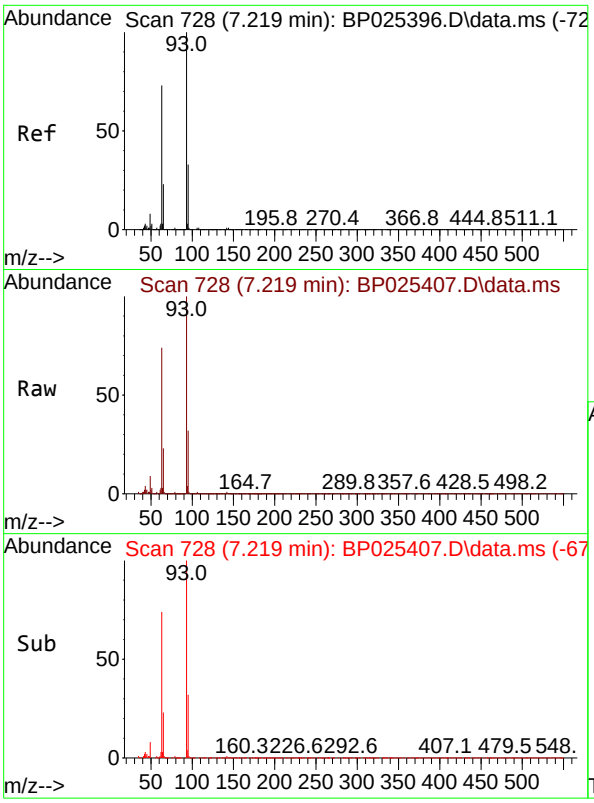


#10
Phenol
Concen: 46.339 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 94 Resp: 551928

Ion	Ratio	Lower	Upper
94	100		
65	27.8	6.8	46.8
66	40.2	18.2	58.2



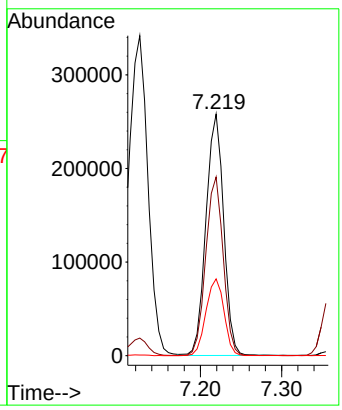


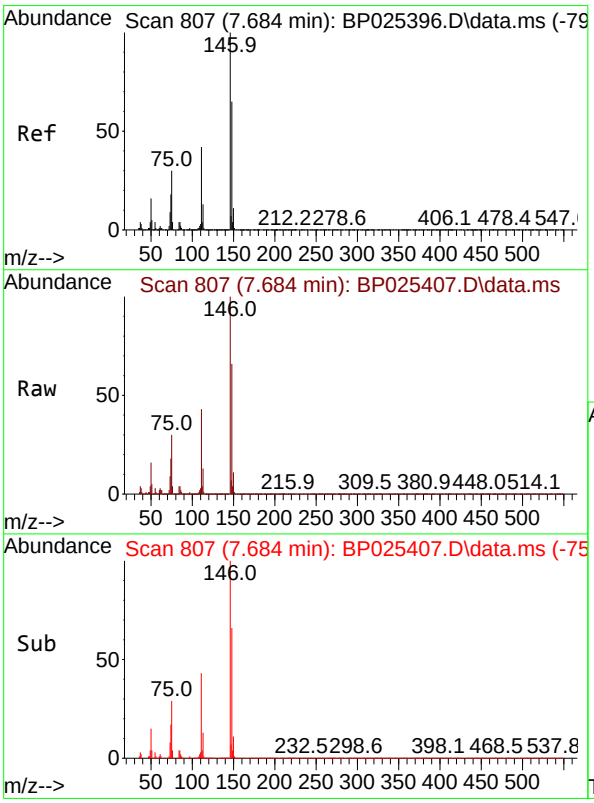
#11
bis(2-Chloroethyl)ether
Concen: 42.012 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 93 Resp: 390018

Ion	Ratio	Lower	Upper
93	100		
63	74.0	52.6	92.6
95	31.8	12.7	52.7

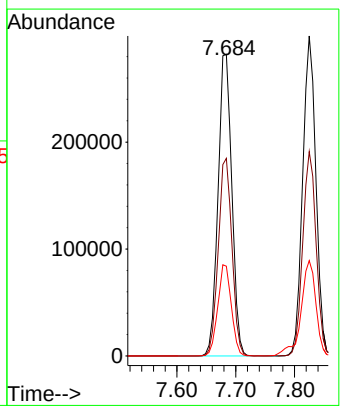


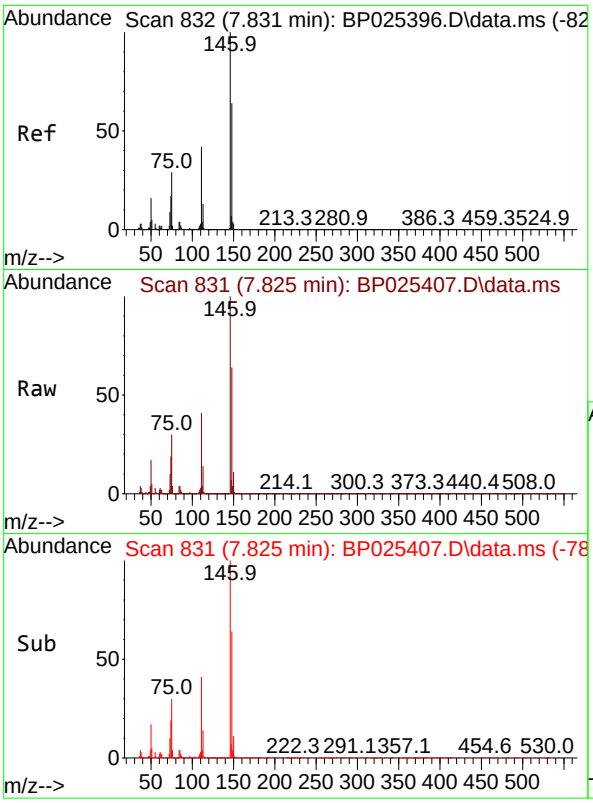


#12
1,3-Dichlorobenzene
Concen: 41.801 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:146 Resp: 460503

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.9	77.9
75	29.8	23.7	35.5



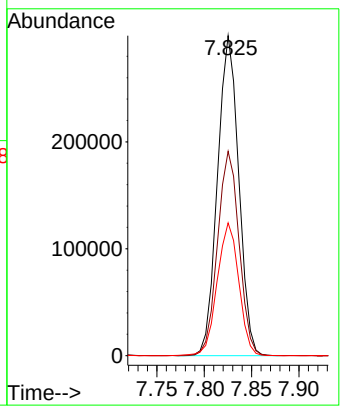


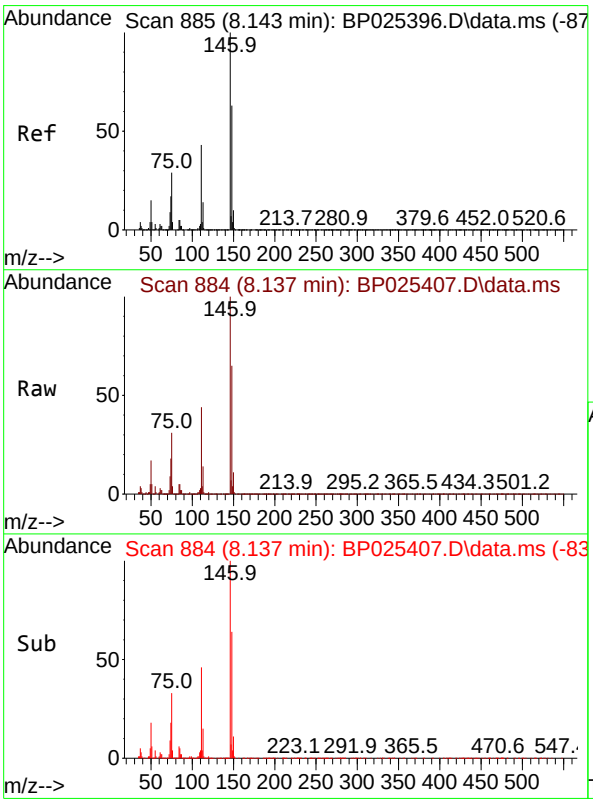
#13
1,4-Dichlorobenzene
Concen: 41.472 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:146 Resp: 466980

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	41.5	33.4	50.0

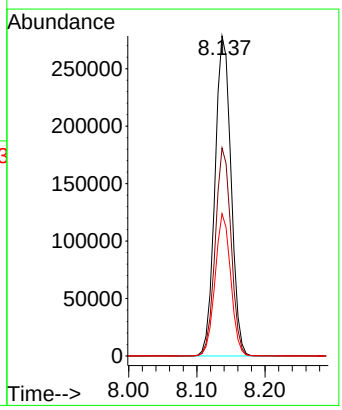


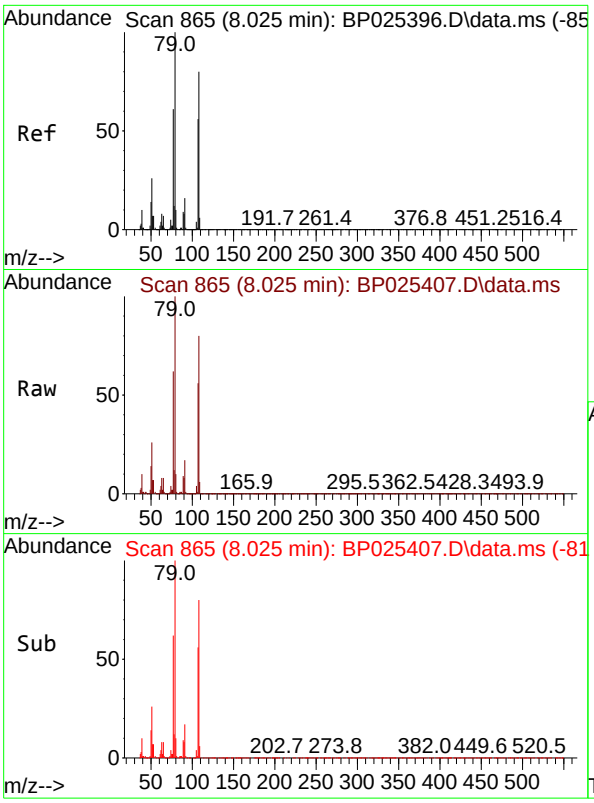


#14
1,2-Dichlorobenzene
Concen: 41.859 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:146 Resp: 456253

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	44.4	34.5	51.7



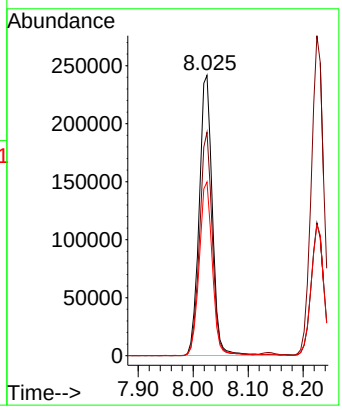


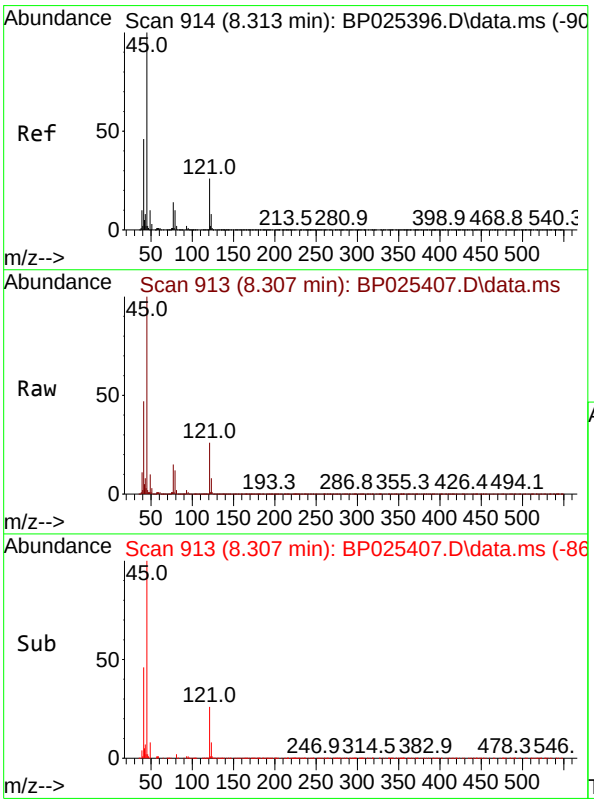
#15
Benzyl Alcohol
Concen: 44.470 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 79 Resp: 401073

Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.8	95.6
77	62.0	49.0	73.4

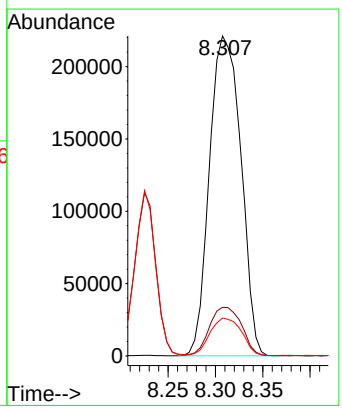


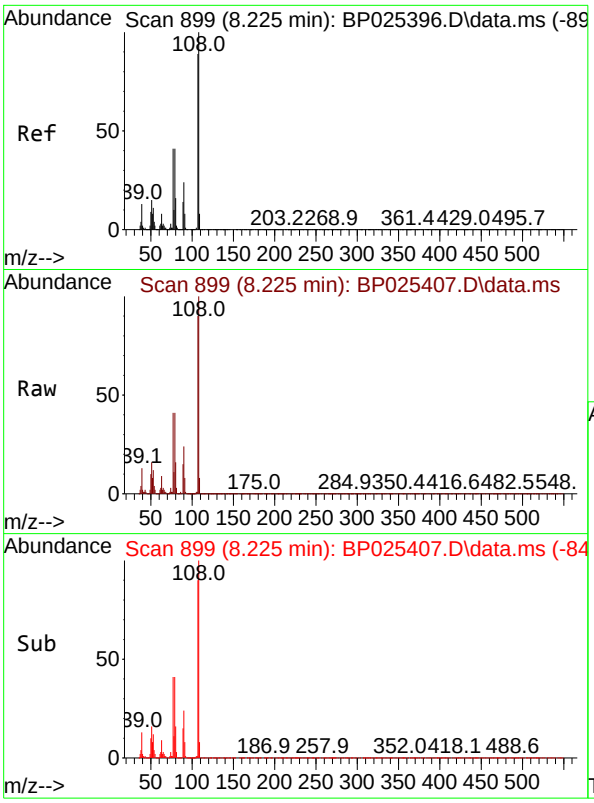


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.092 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 45 Resp: 511027

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.3
79	11.8	0.0	31.8



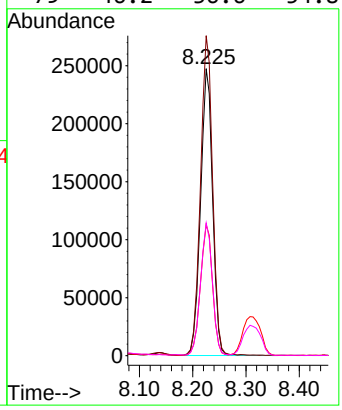


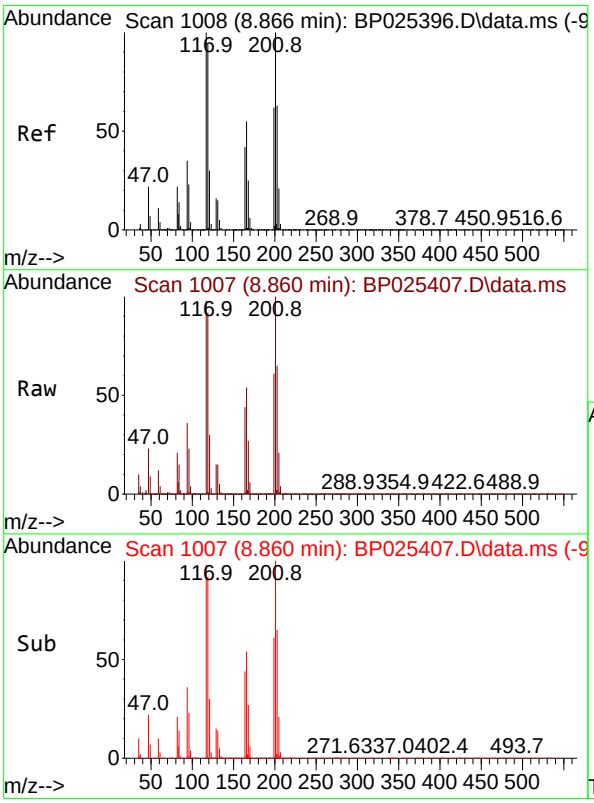
#17
2-Methylphenol
Concen: 46.755 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:107 Resp: 386767

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.4	134.0
77	45.6	36.3	54.5
79	46.2	36.6	54.8

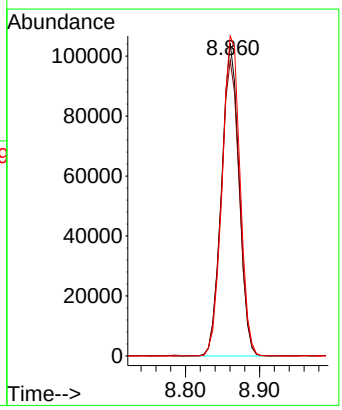


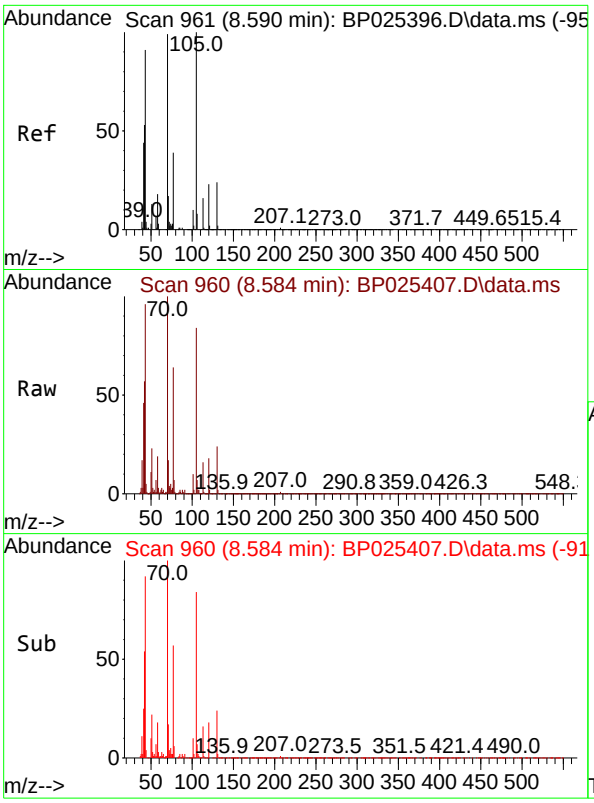


#18
Hexachloroethane
Concen: 41.420 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:117 Resp: 171481

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.1	112.7
201	102.3	80.1	120.1



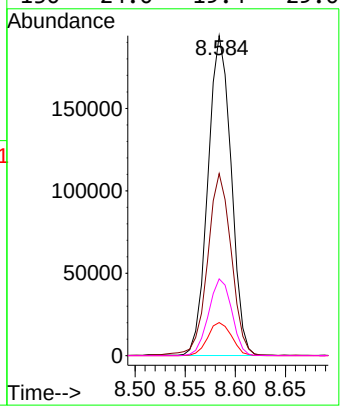


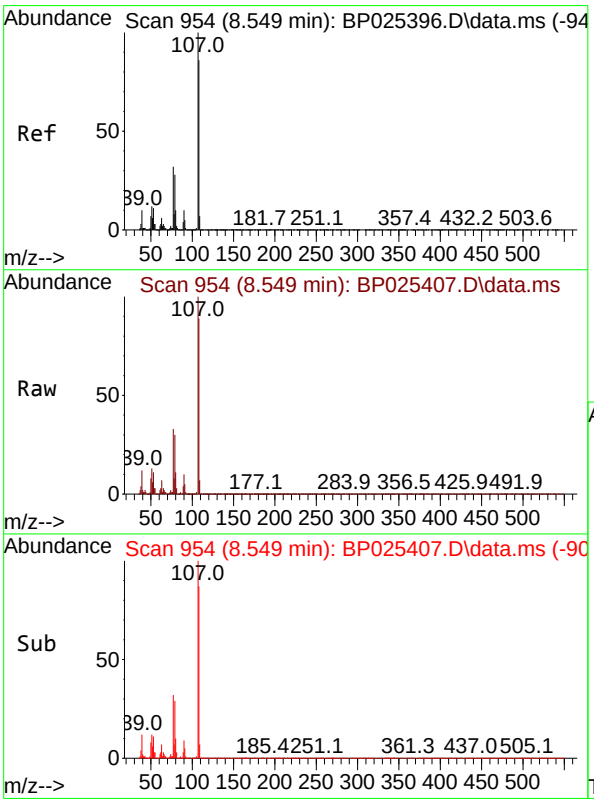
#19
n-Nitroso-di-n-propylamine
Concen: 41.580 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 70 Resp: 312622

Ion	Ratio	Lower	Upper
70	100		
42	56.9	43.8	65.6
101	10.4	8.5	12.7
130	24.0	19.4	29.0

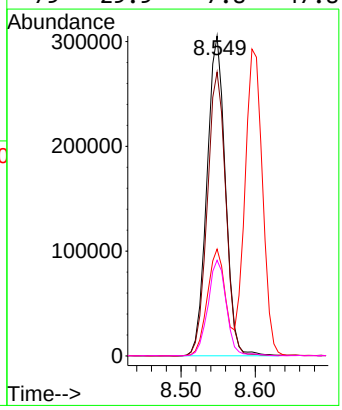


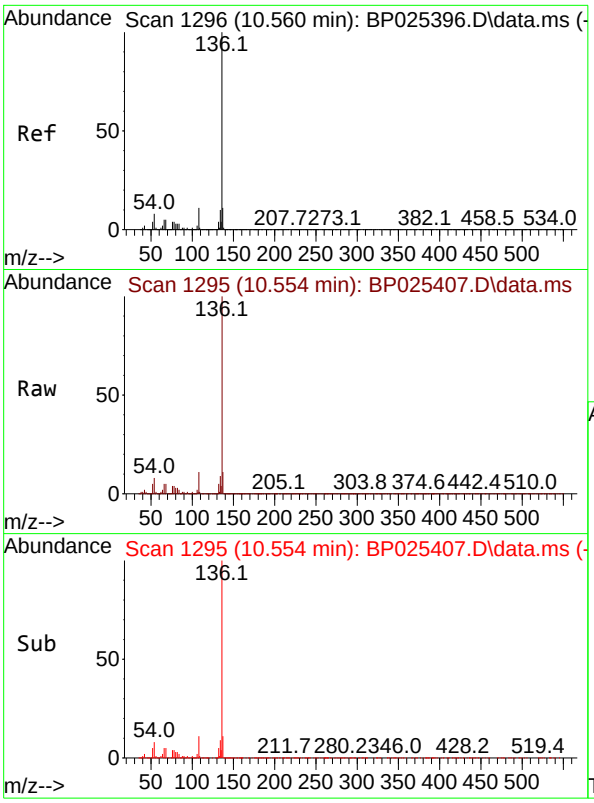


#20
3+4-Methylphenols
Concen: 46.073 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:107 Resp: 528303

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.4	12.3	52.3
79	29.9	7.8	47.8



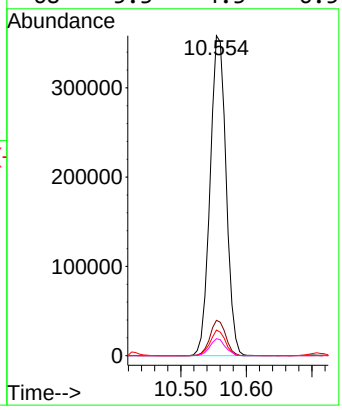


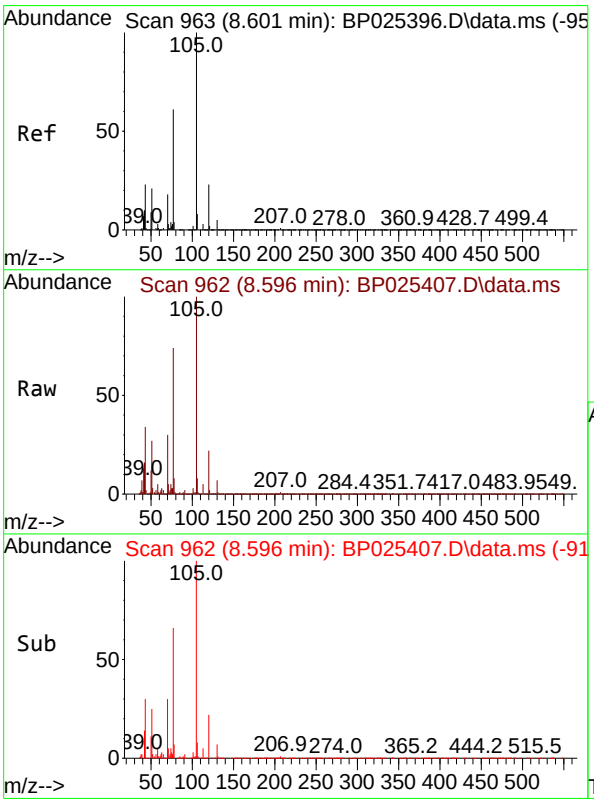
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:136 Resp: 606682

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5

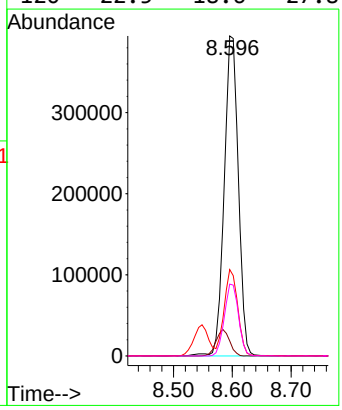


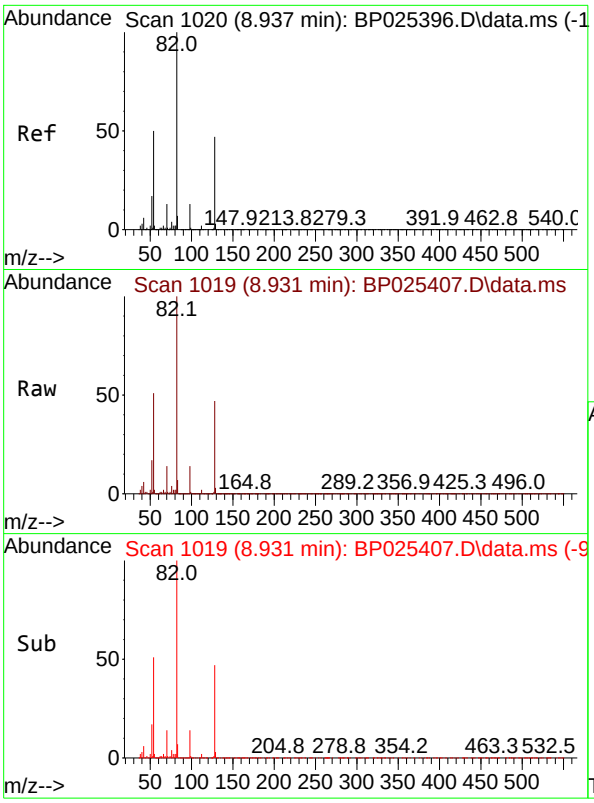


#22
Acetophenone
Concen: 43.279 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:105 Resp: 658466

Ion	Ratio	Lower	Upper
105	100		
71	4.7	2.6	4.0#
51	27.0	20.6	30.8
120	22.5	18.6	27.8



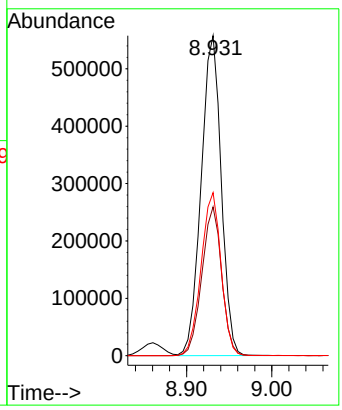


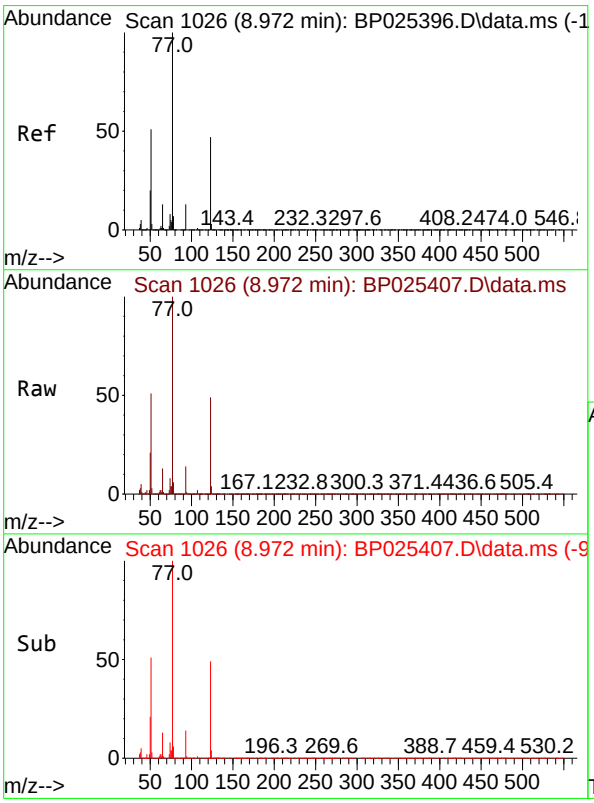
#23
Nitrobenzene-d5
Concen: 75.976 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 82 Resp: 911194

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	51.0	39.8	59.6

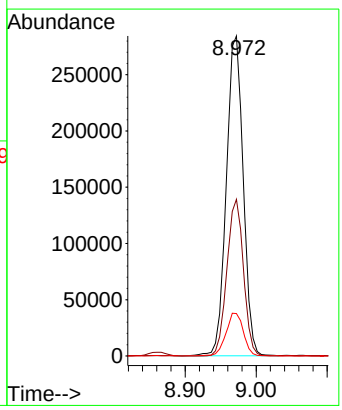


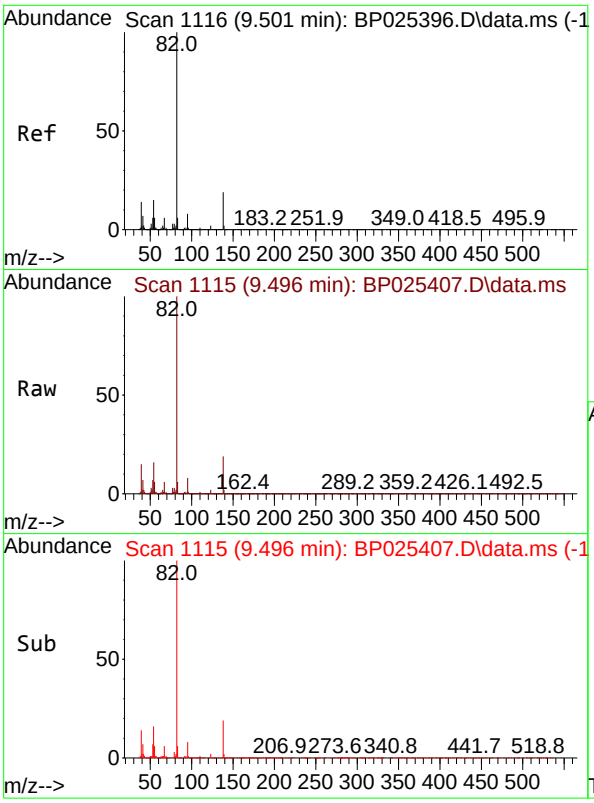


#24
Nitrobenzene
Concen: 43.677 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 77 Resp: 468149

Ion	Ratio	Lower	Upper
77	100		
123	49.0	38.6	58.0
65	13.2	10.6	15.8



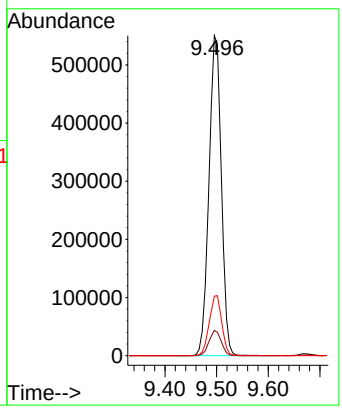


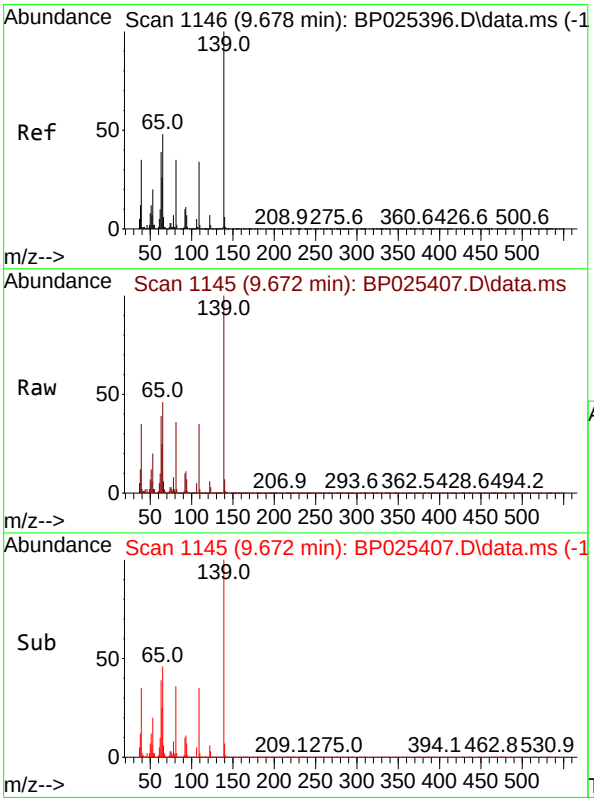
#25
Isophorone
Concen: 43.137 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 82 Resp: 915580

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.6	15.4	23.0

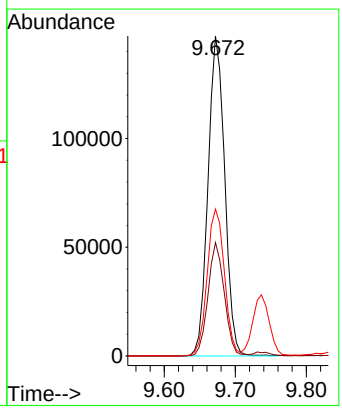


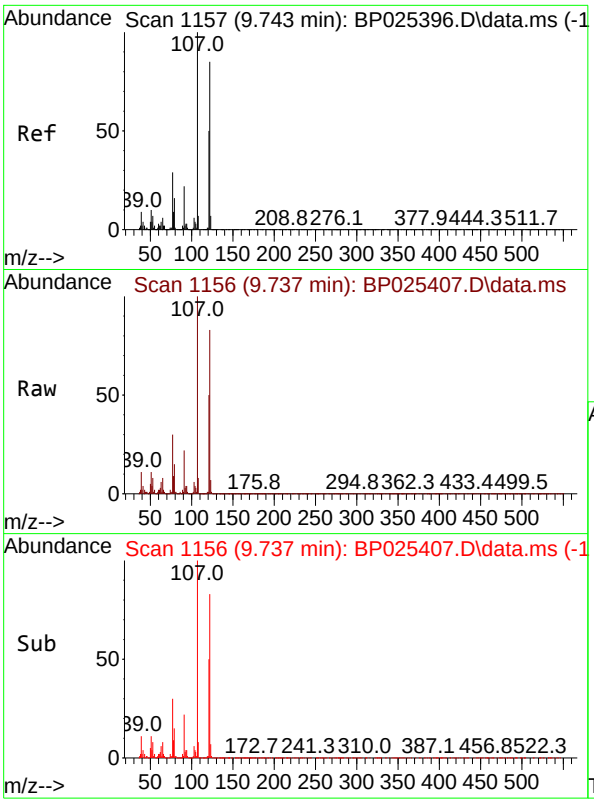


#26
2-Nitrophenol
Concen: 43.654 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:139 Resp: 240132

Ion	Ratio	Lower	Upper
139	100		
109	35.4	26.9	40.3
65	45.9	38.3	57.5



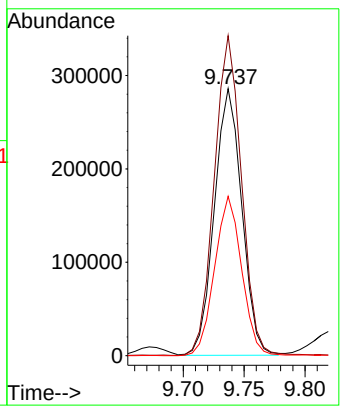


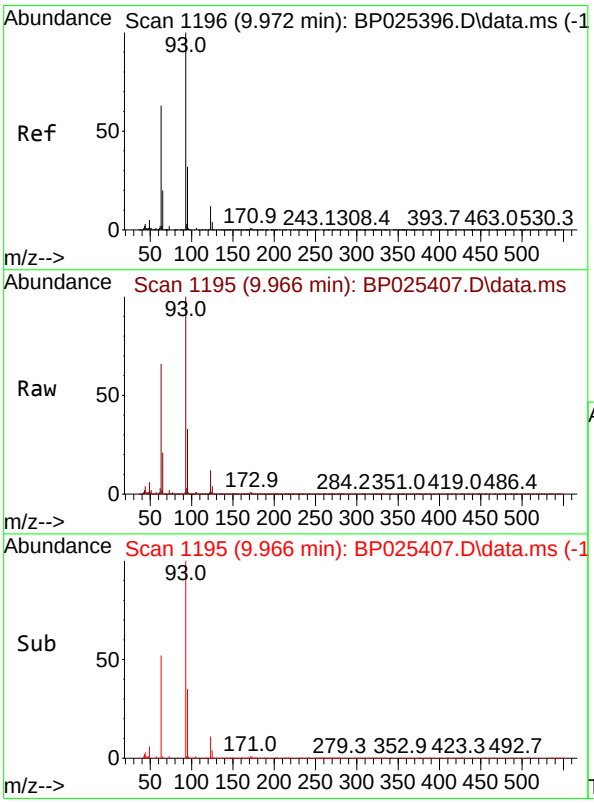
#27
2,4-Dimethylphenol
Concen: 47.393 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:122 Resp: 448325

Ion	Ratio	Lower	Upper
122	100		
107	119.8	93.7	140.5
121	59.7	46.6	69.8

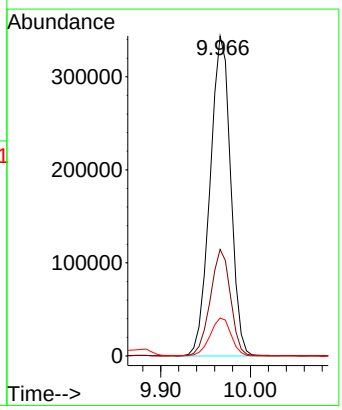


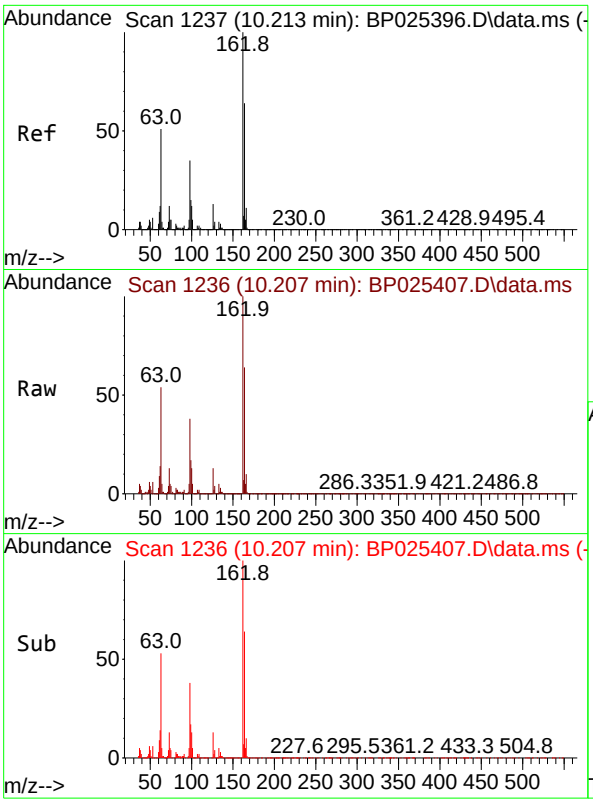


#28
bis(2-Chloroethoxy)methane
Concen: 42.624 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 93 Resp: 546870

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.4	38.0
123	11.9	9.4	14.0



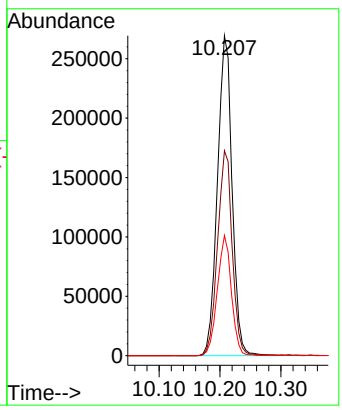


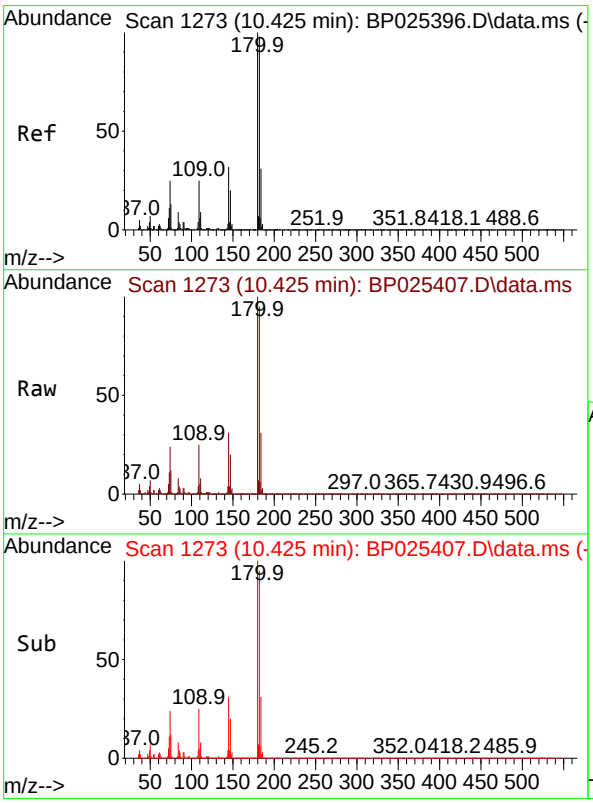
#29
2,4-Dichlorophenol
Concen: 47.808 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:162 Resp: 449262

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	37.6	14.9	54.9

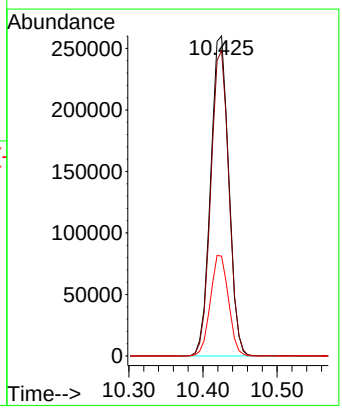


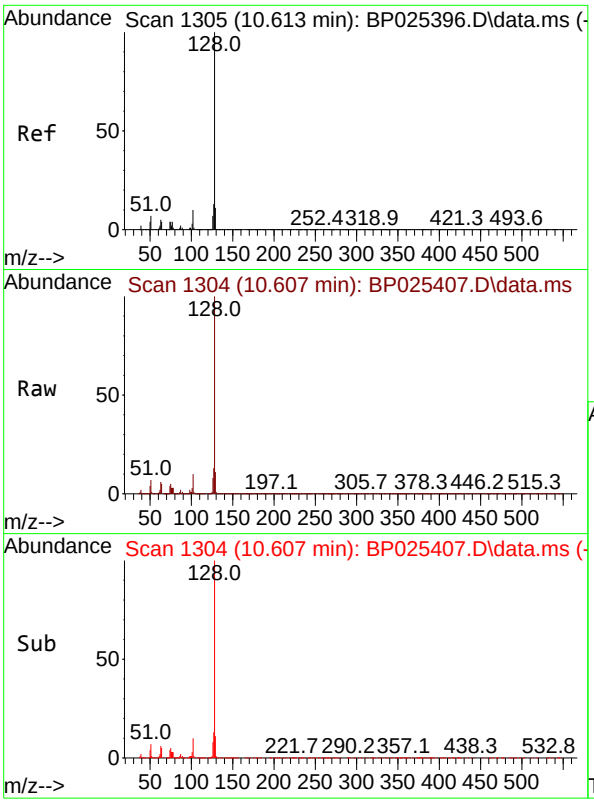


#30
1,2,4-Trichlorobenzene
Concen: 42.758 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:180 Resp: 440470

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.0	117.0
145	31.2	25.9	38.9



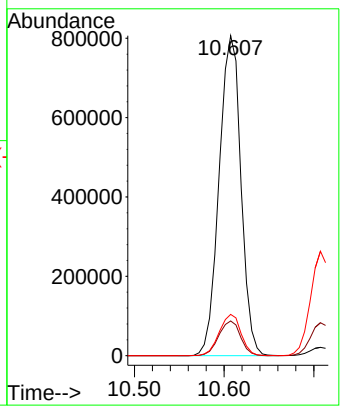


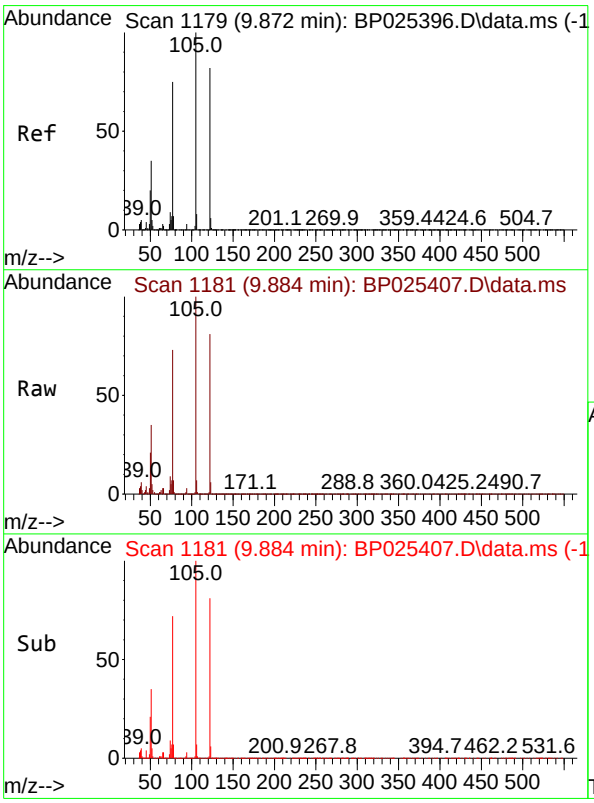
#31
Naphthalene
Concen: 43.171 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:128 Resp: 1361279

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.7	16.1

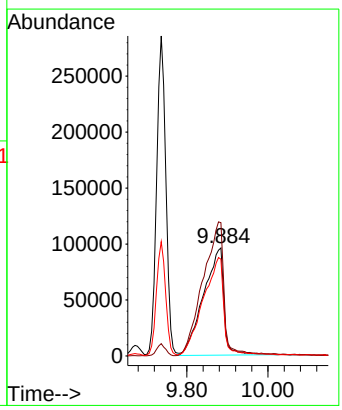


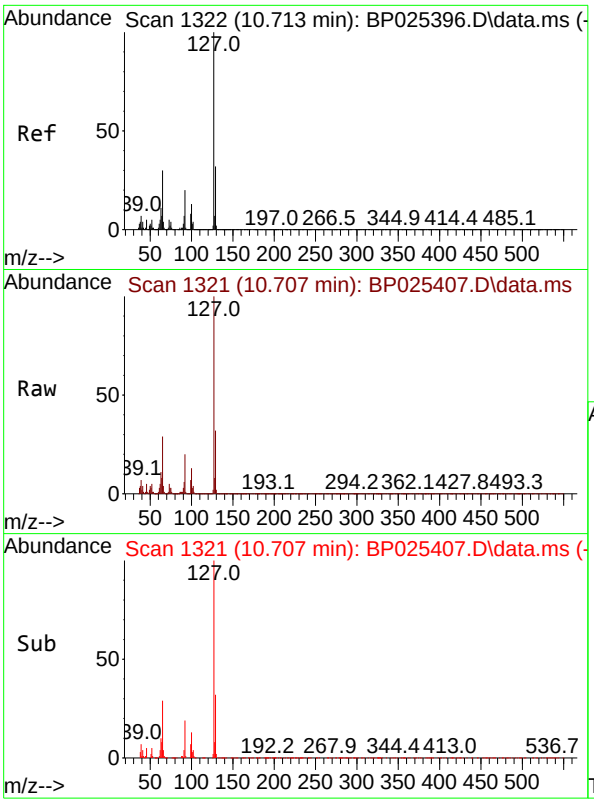


#32
Benzoic acid
Concen: 48.155 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:122 Resp: 336308

Ion	Ratio	Lower	Upper
122	100		
105	123.4	100.6	140.6
77	89.6	71.5	111.5



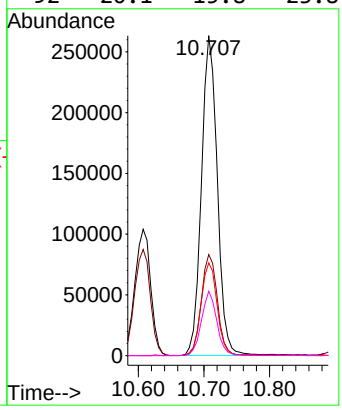


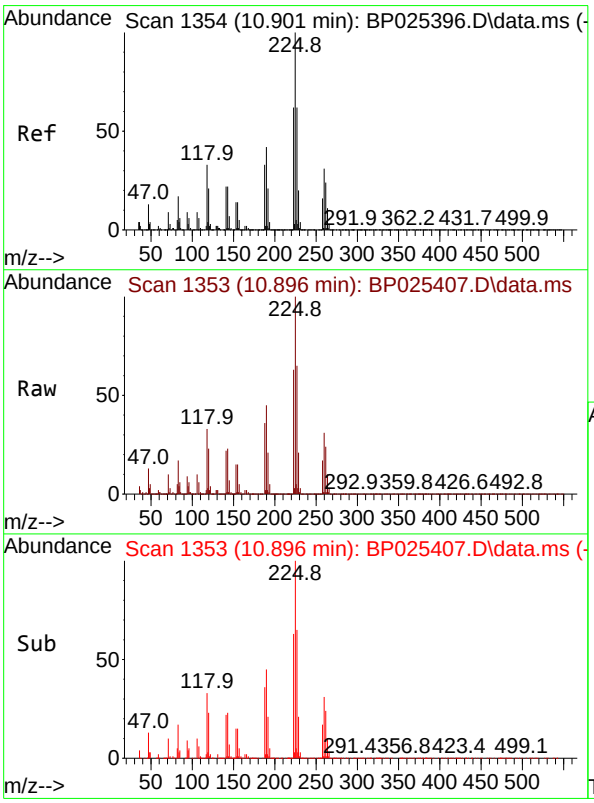
#33
4-Chloroaniline
Concen: 31.964 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:127 Resp: 445208

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.2
65	29.0	23.8	35.6
92	20.1	15.8	23.8

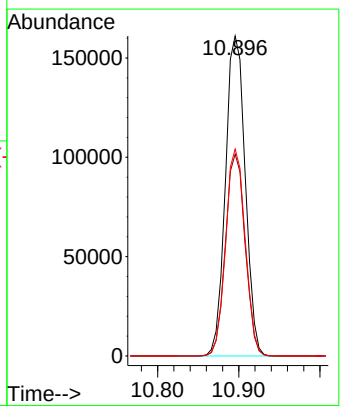


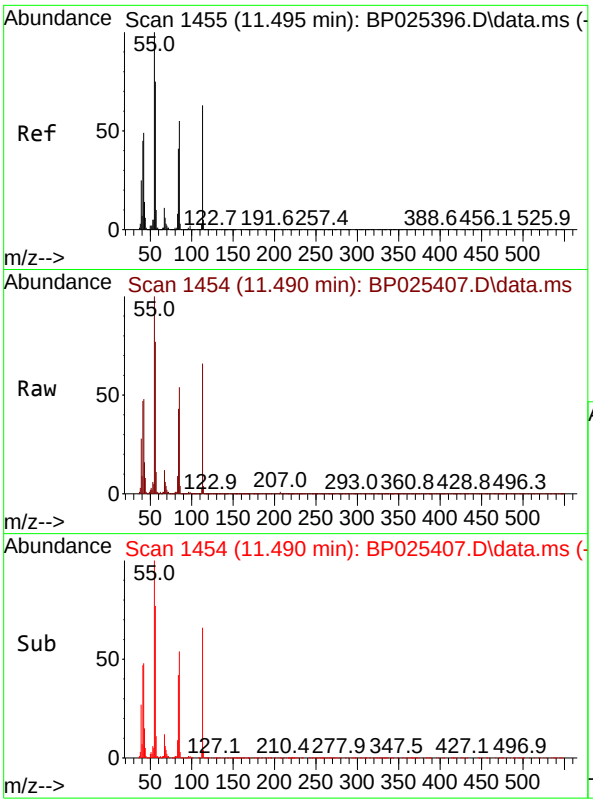


#34
Hexachlorobutadiene
Concen: 42.429 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:225 Resp: 272205

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0
227	64.7	49.7	74.5



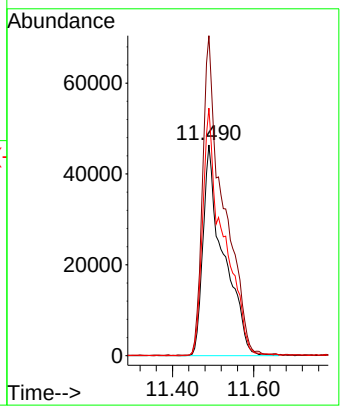


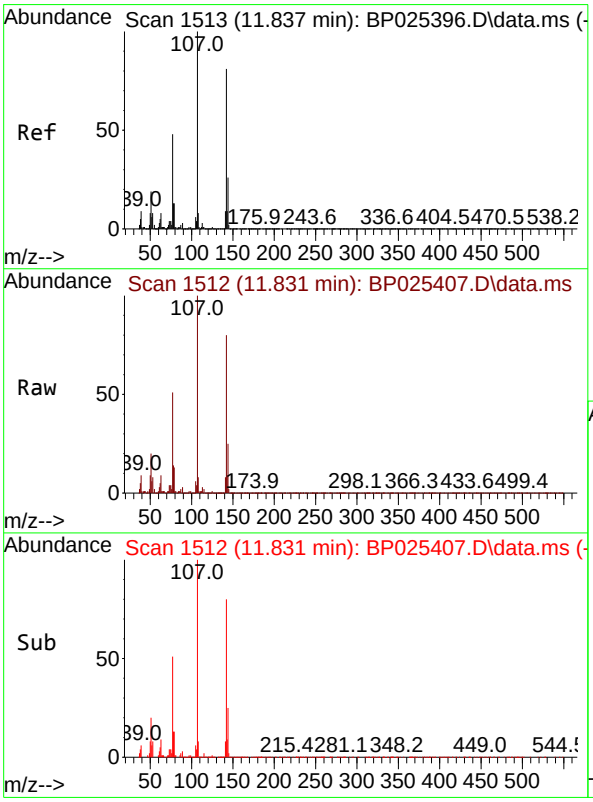
#35
Caprolactam
Concen: 47.021 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:113 Resp: 162024

Ion	Ratio	Lower	Upper
113	100		
55	151.8	140.0	180.0
56	117.4	100.0	140.0

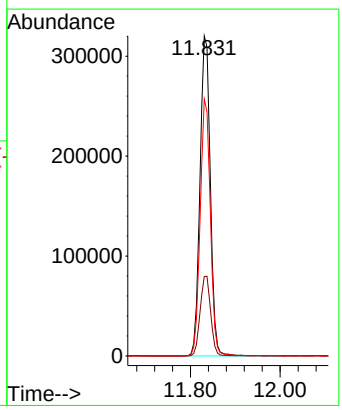


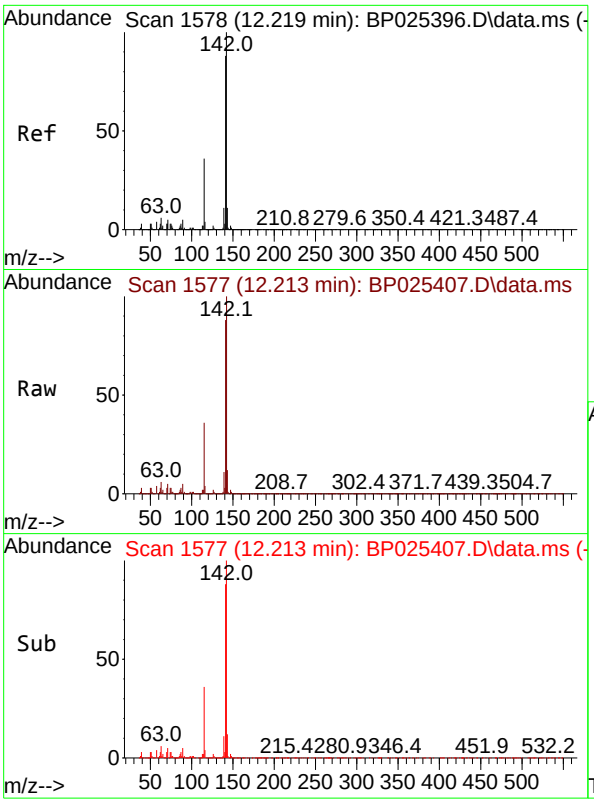


#36
4-Chloro-3-methylphenol
Concen: 47.415 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:107 Resp: 511279

Ion	Ratio	Lower	Upper
107	100		
144	24.9	21.0	31.4
142	80.3	64.6	97.0



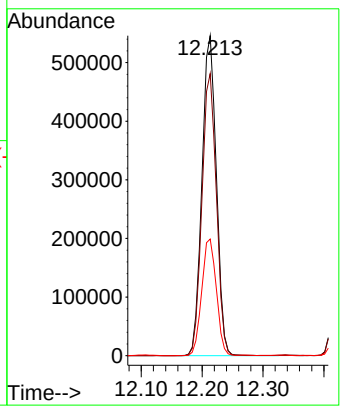


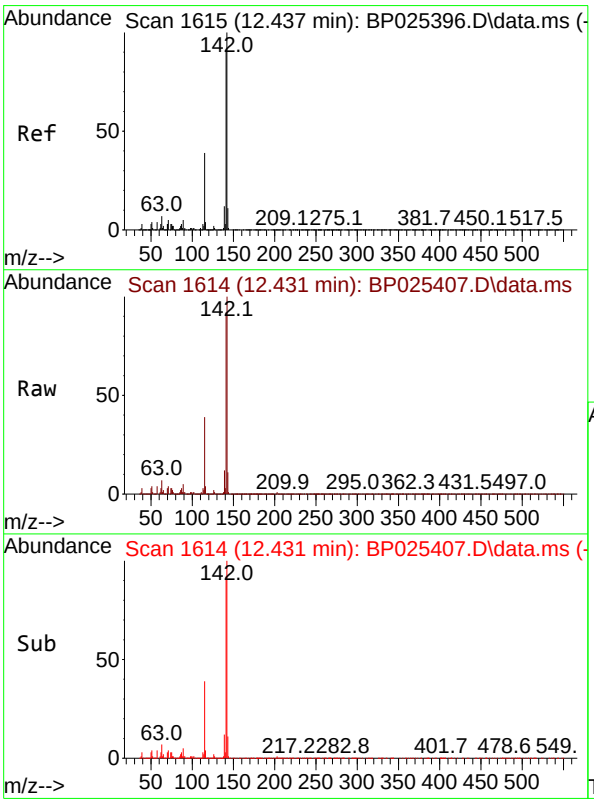
#37
2-Methylnaphthalene
Concen: 43.644 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:142 Resp: 895593

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5
115	36.5	28.9	43.3

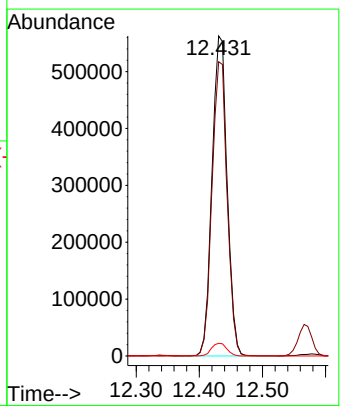


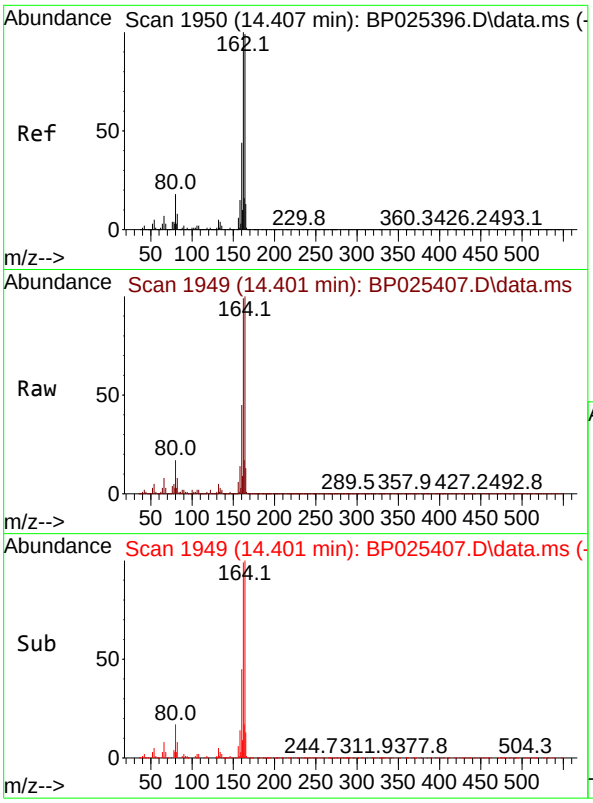


#38
1-Methylnaphthalene
Concen: 42.748 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:142 Resp: 932869

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.1	109.7
116	3.9	3.2	4.8



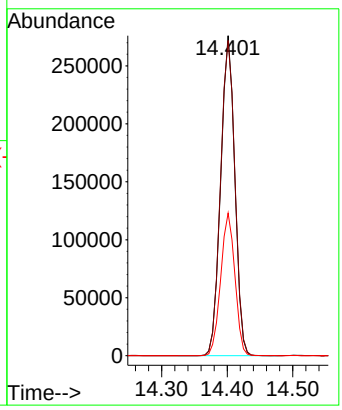


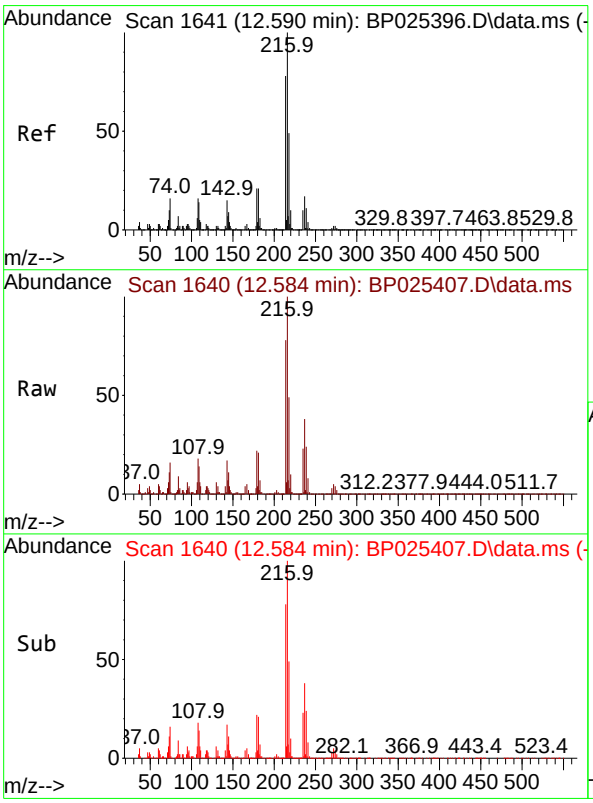
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:164 Resp: 410001

Ion	Ratio	Lower	Upper
164	100		
162	98.5	81.0	121.6
160	44.6	35.4	53.2

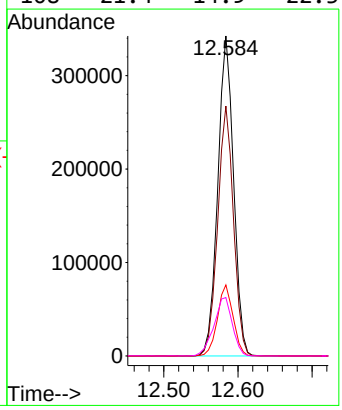


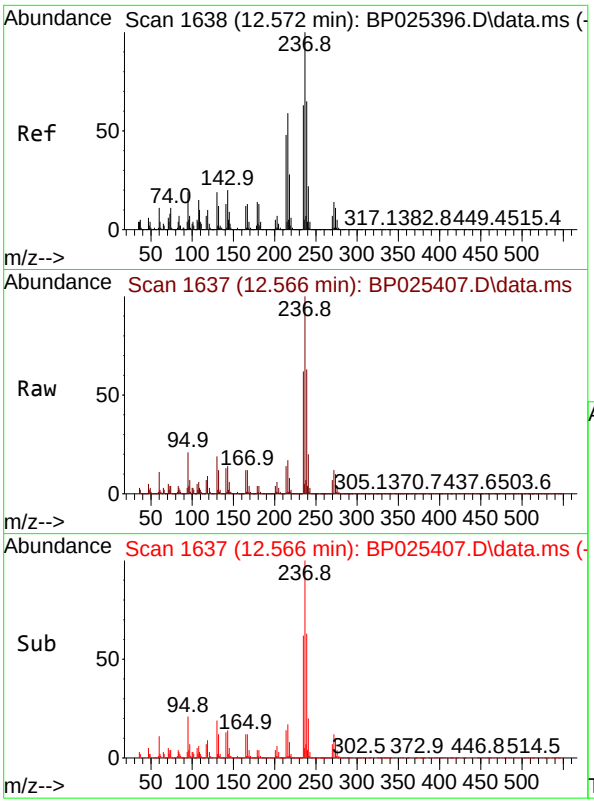


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.771 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:216 Resp: 506460

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.0	17.1	25.7
108	21.4	14.9	22.3



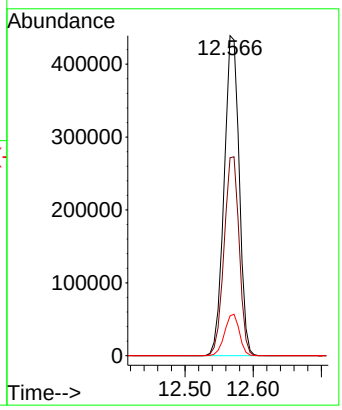


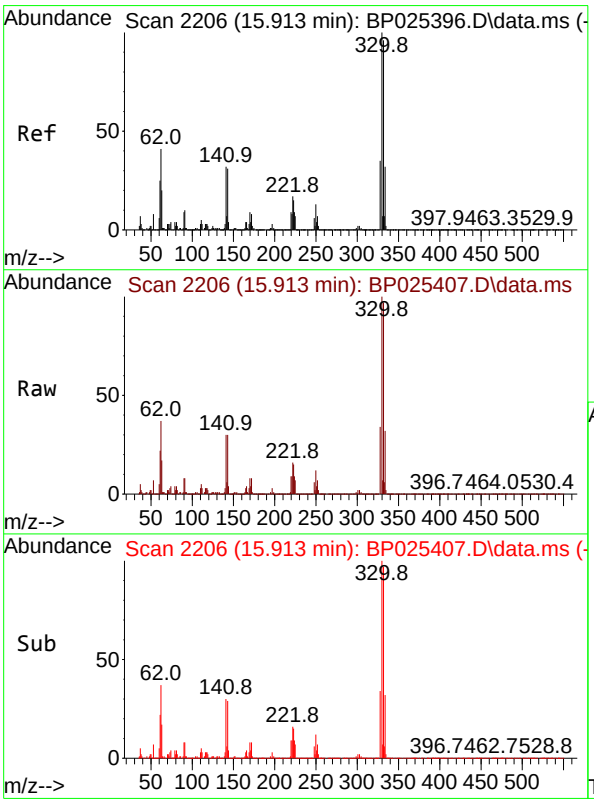
#41
Hexachlorocyclopentadiene
Concen: 94.204 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:237 Resp: 673801

Ion	Ratio	Lower	Upper
237	100		
235	61.9	42.7	82.7
272	12.5	0.0	34.0

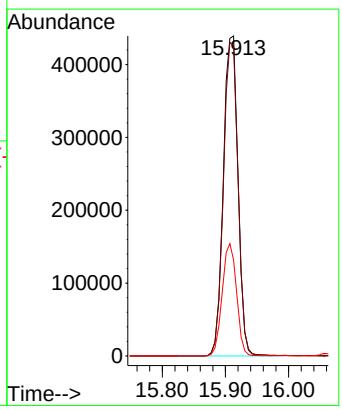


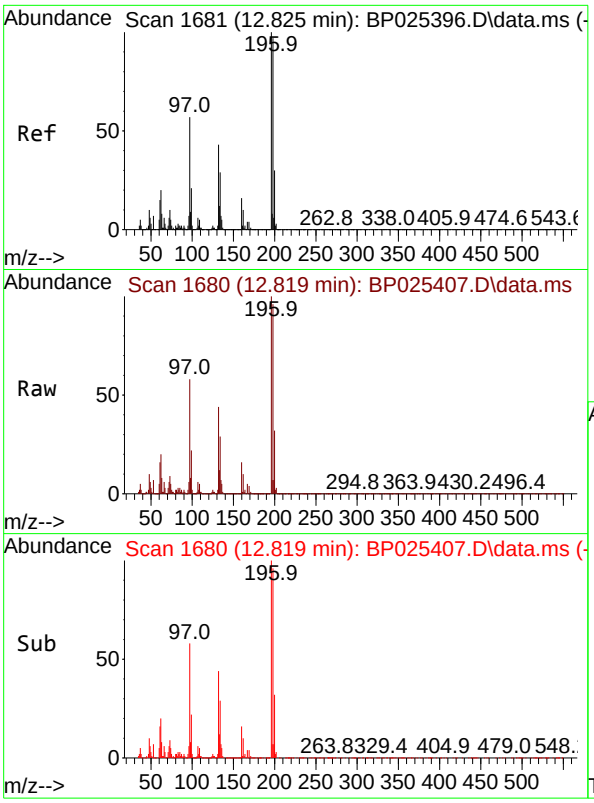


#42
2,4,6-Tribromophenol
Concen: 128.223 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:330 Resp: 707616

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	34.4	26.6	39.8



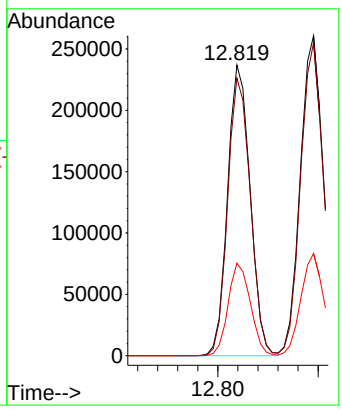


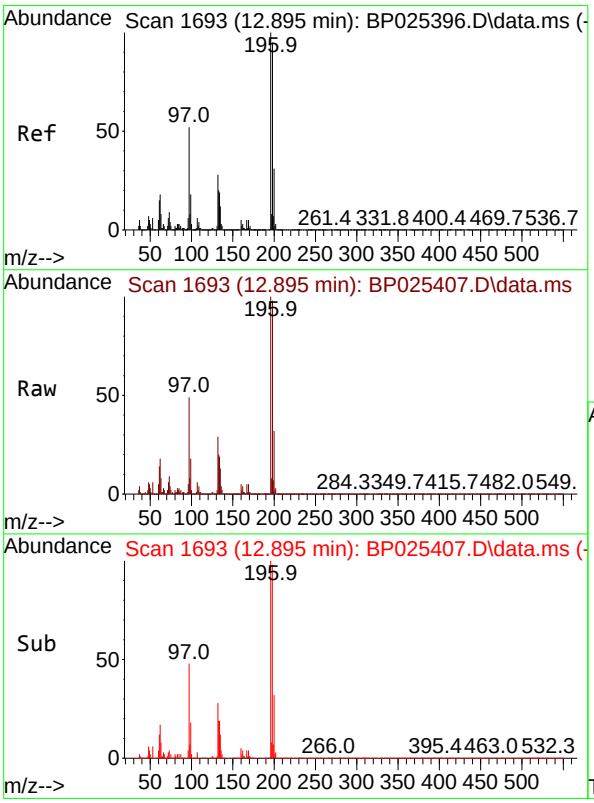
#43
2,4,6-Trichlorophenol
Concen: 46.461 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:196 Resp: 371415

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.2	115.8
200	31.9	23.9	35.9

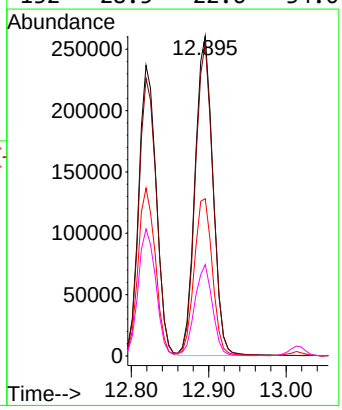


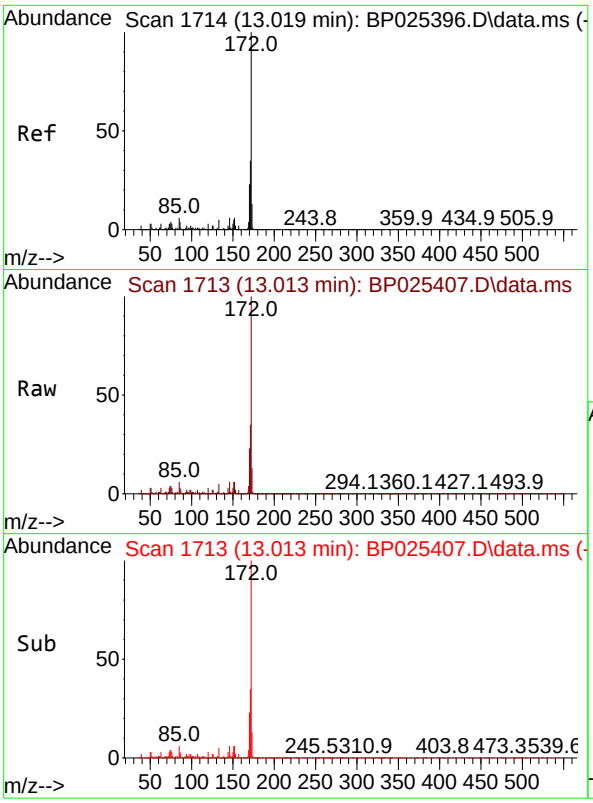


#44
2,4,5-Trichlorophenol
Concen: 47.579 ng
RT: 12.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:196 Resp: 416860

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.2	114.2
97	49.2	41.2	61.8
132	28.5	22.6	34.0



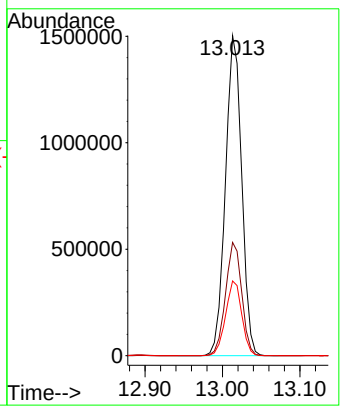


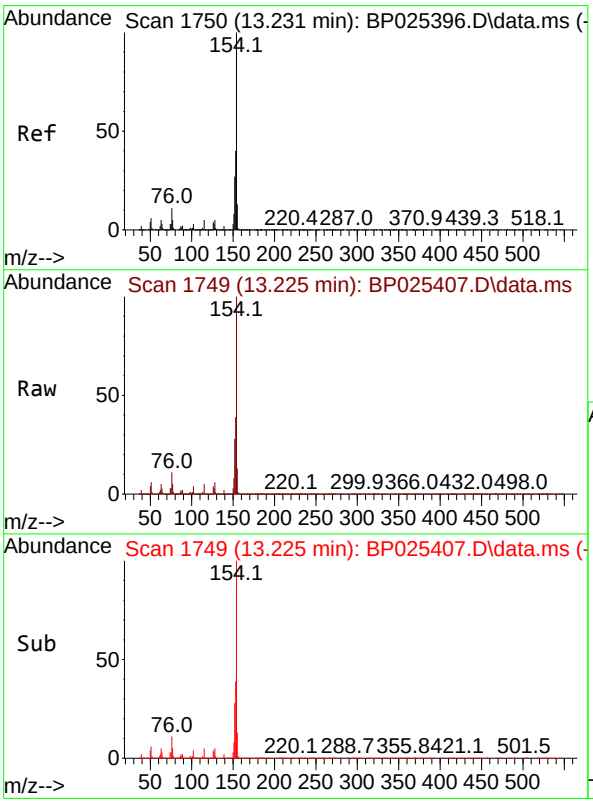
#45
2-Fluorobiphenyl
Concen: 73.213 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:172 Resp: 2196374

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	23.4	18.6	28.0

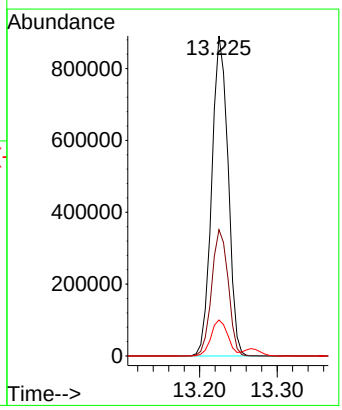


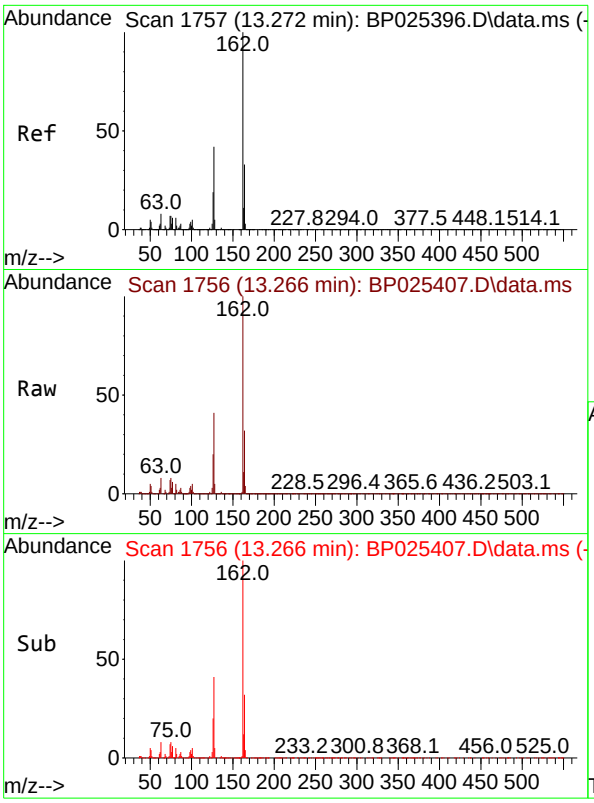


#46
1,1'-Biphenyl
Concen: 43.798 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:154 Resp: 1304149

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	11.3	0.0	31.1



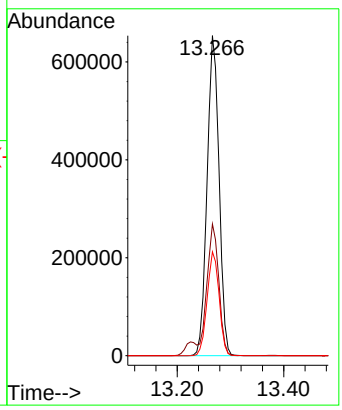


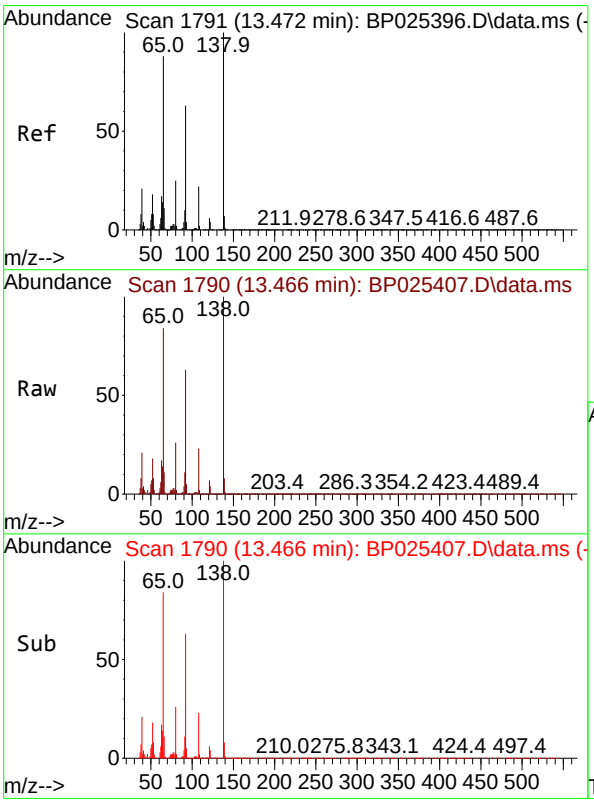
#47
2-Chloronaphthalene
Concen: 43.855 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:162 Resp: 1016595

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.4	26.2	39.2

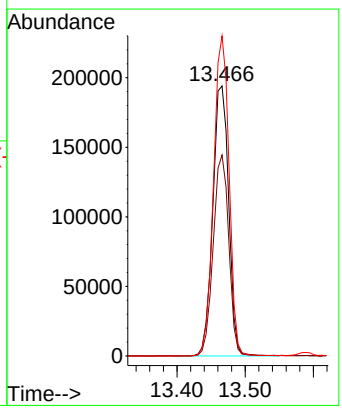


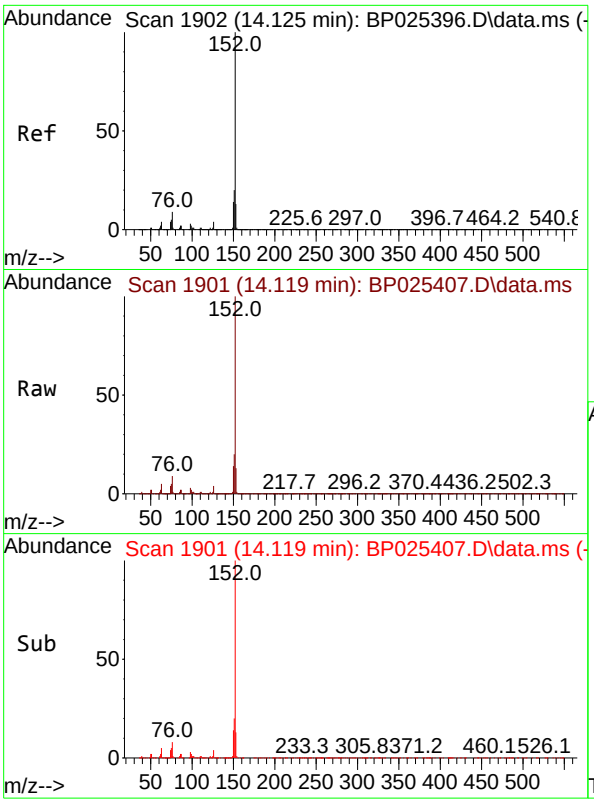


#48
2-Nitroaniline
Concen: 46.623 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion: 65 Resp: 314909

Ion	Ratio	Lower	Upper
65	100		
92	74.4	57.6	86.4
138	118.5	91.0	136.6



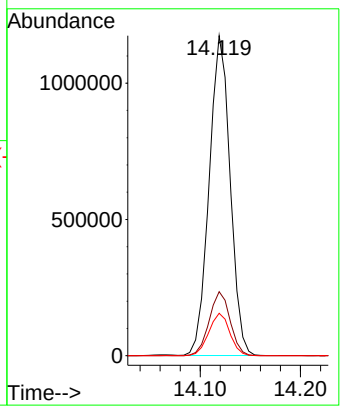


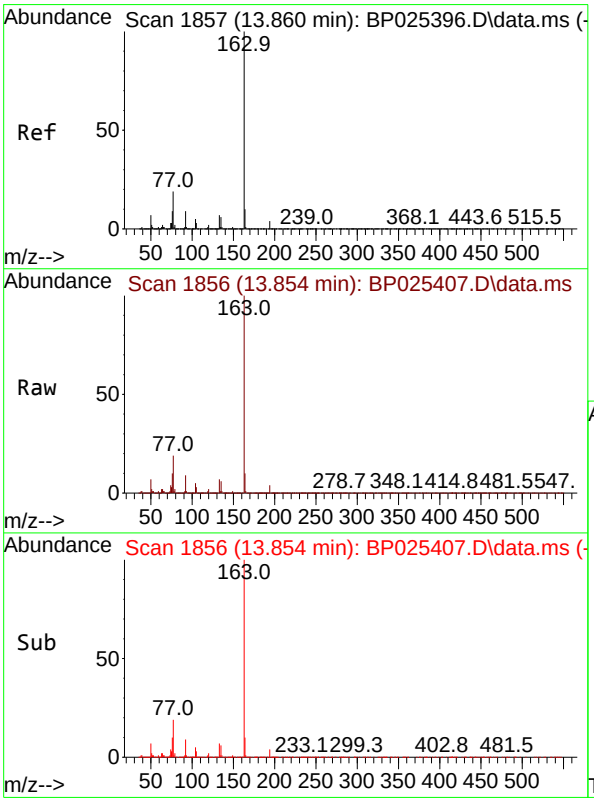
#49
Acenaphthylene
Concen: 44.492 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:152 Resp: 1706619

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

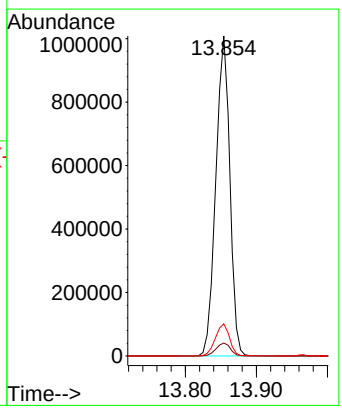


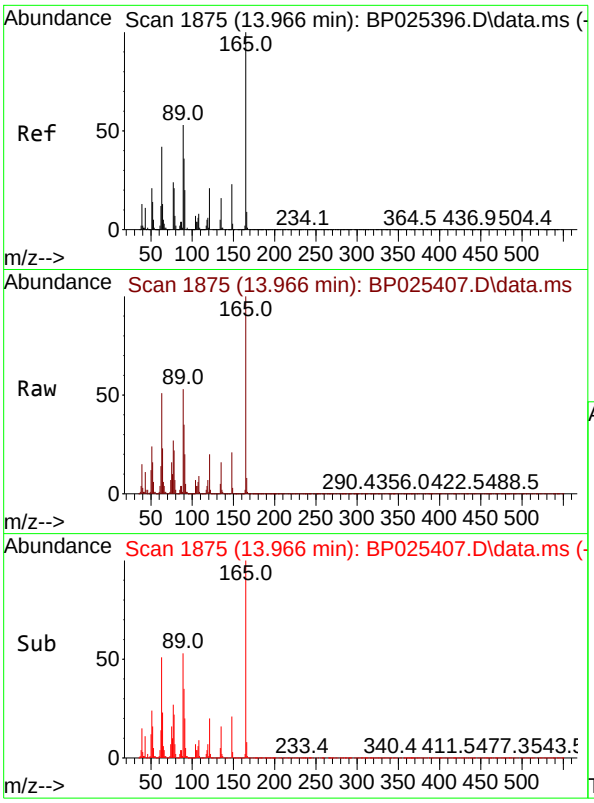


#50
Dimethylphthalate
Concen: 45.780 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:163 Resp: 1374506

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9



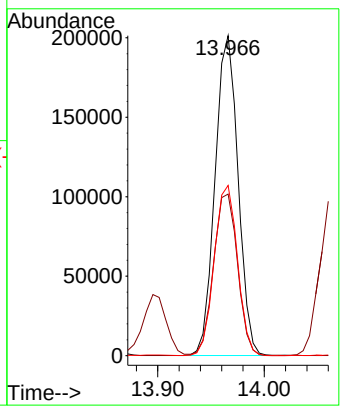


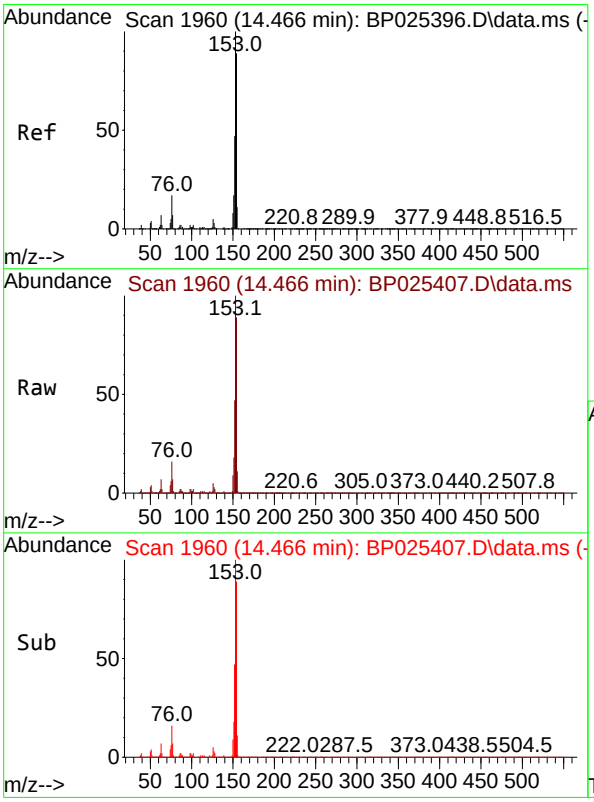
#51
2,6-Dinitrotoluene
Concen: 47.635 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:165 Resp: 301444

Ion	Ratio	Lower	Upper
165	100		
63	50.5	40.9	61.3
89	53.2	42.1	63.1

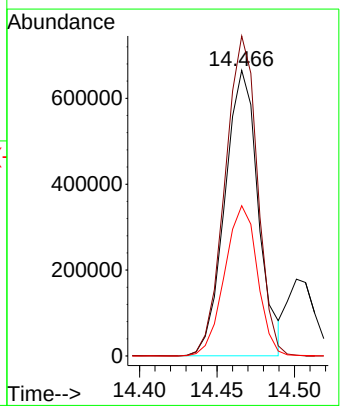


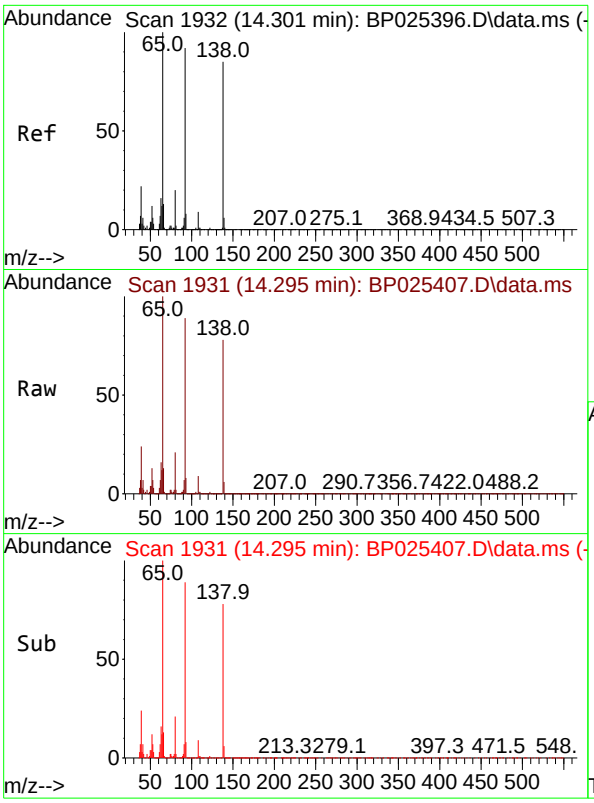


#52
Acenaphthene
Concen: 44.278 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:154 Resp: 996925

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.2	135.2
152	52.6	42.1	63.1



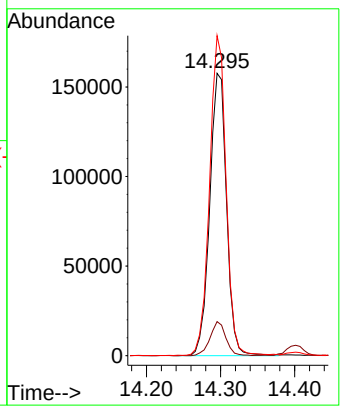


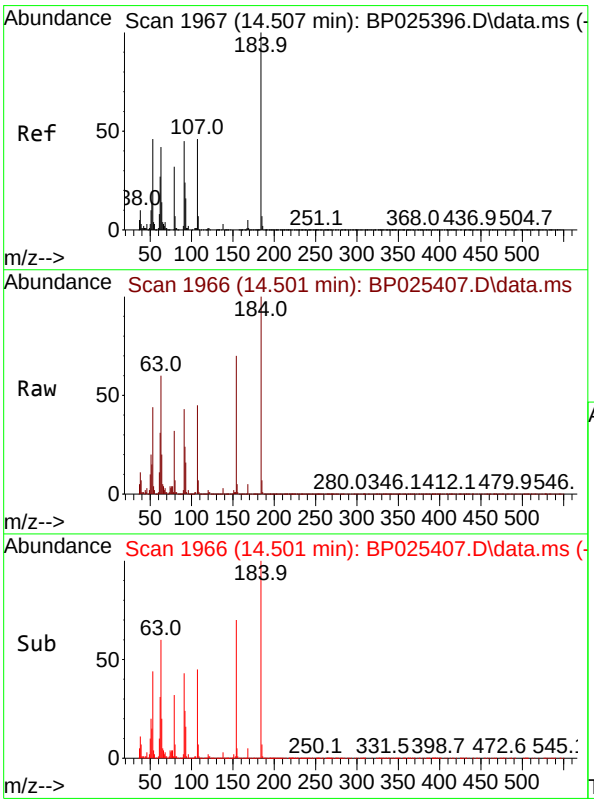
#53
3-Nitroaniline
Concen: 34.892 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:138 Resp: 248427

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	113.3	86.2	129.2

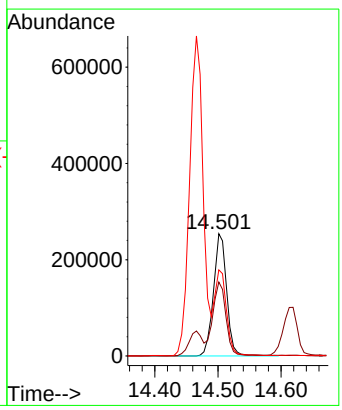


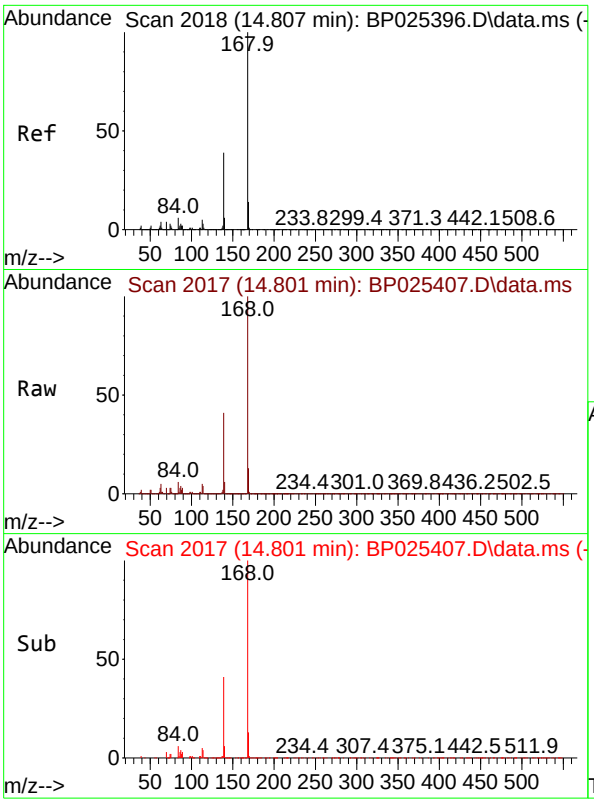


#54
2,4-Dinitrophenol
Concen: 109.516 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:184 Resp: 370101

Ion	Ratio	Lower	Upper
184	100		
63	60.5	49.4	74.2
154	70.4	54.6	82.0



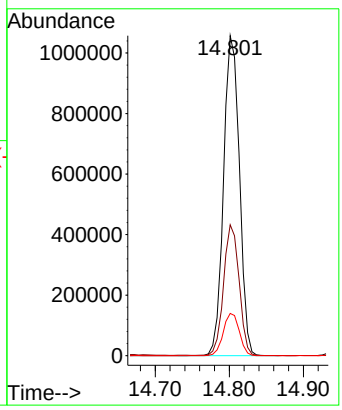


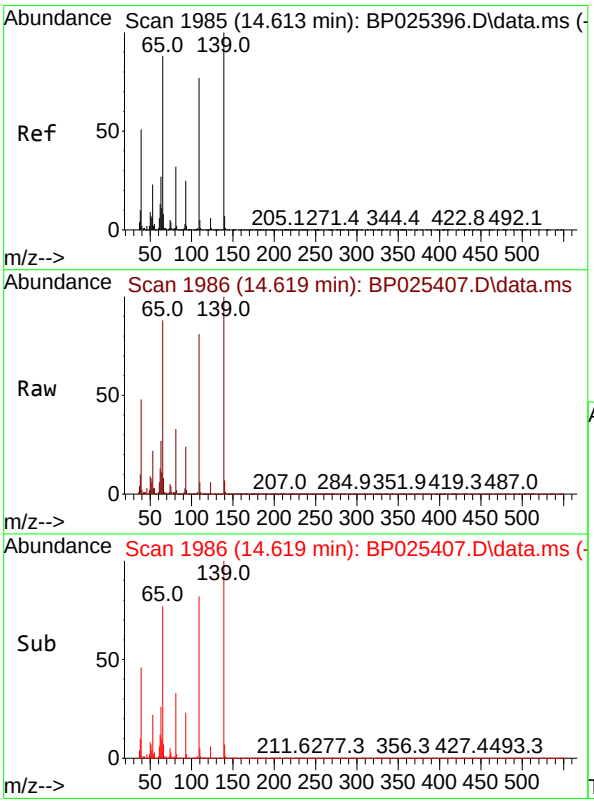
#55
Dibenzofuran
Concen: 44.166 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:168 Resp: 1572174

Ion	Ratio	Lower	Upper
168	100		
139	40.9	31.5	47.3
169	13.2	10.9	16.3

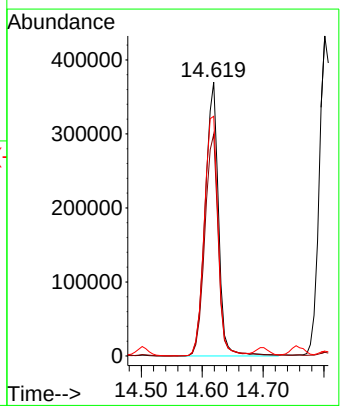


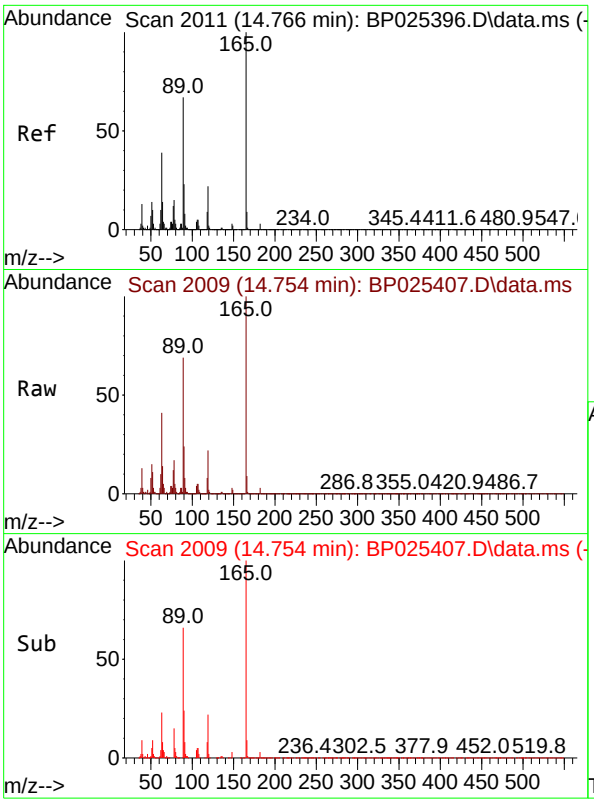


#56
4-Nitrophenol
Concen: 96.372 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:139 Resp: 563832

Ion	Ratio	Lower	Upper
139	100		
109	81.0	56.6	96.6
65	87.6	68.2	108.2



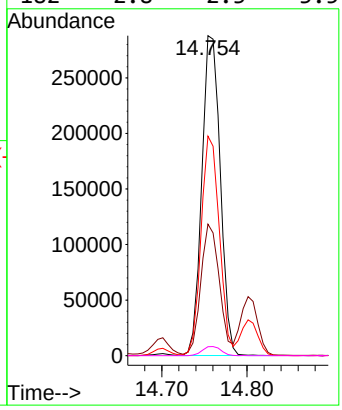


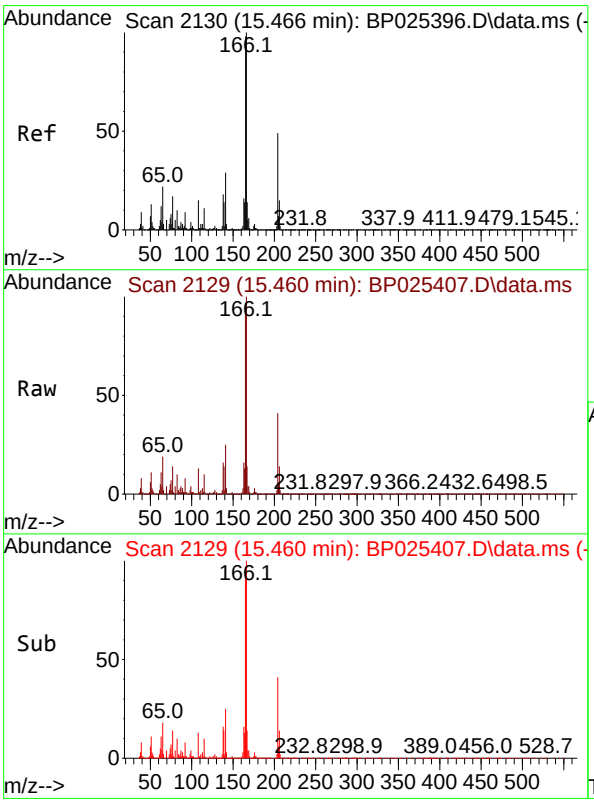
#57
2,4-Dinitrotoluene
Concen: 48.036 ng
RT: 14.754 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:165 Resp: 433702

Ion	Ratio	Lower	Upper
165	100		
63	41.1	31.4	47.2
89	68.6	53.3	79.9
182	2.8	2.3	3.5

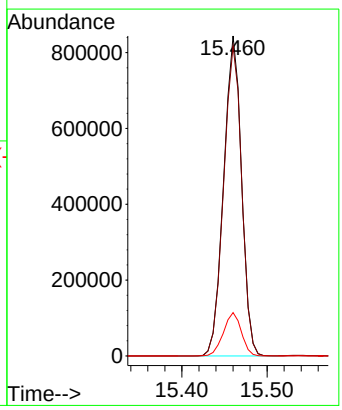


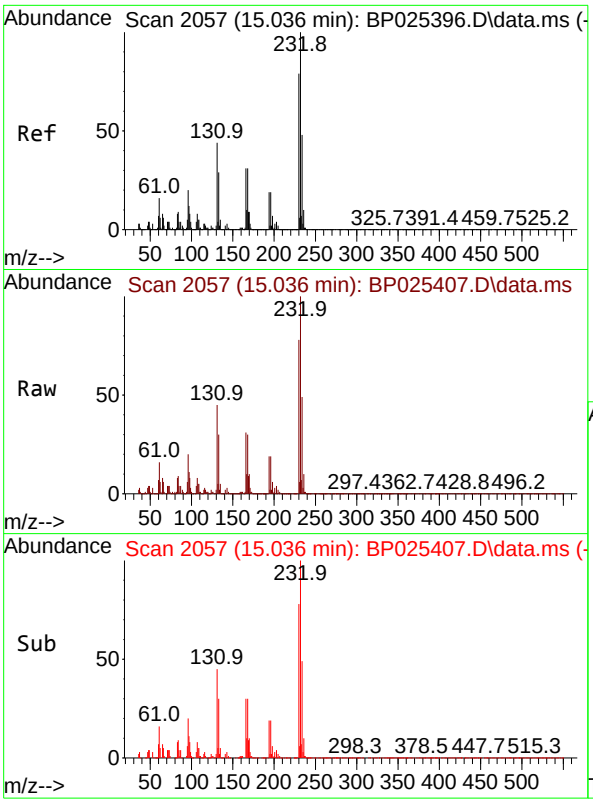


#58
Fluorene
Concen: 43.839 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:166 Resp: 1231357

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.5	11.0	16.4



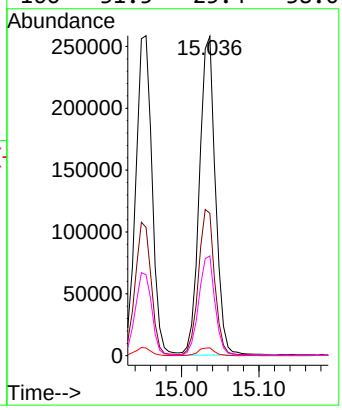


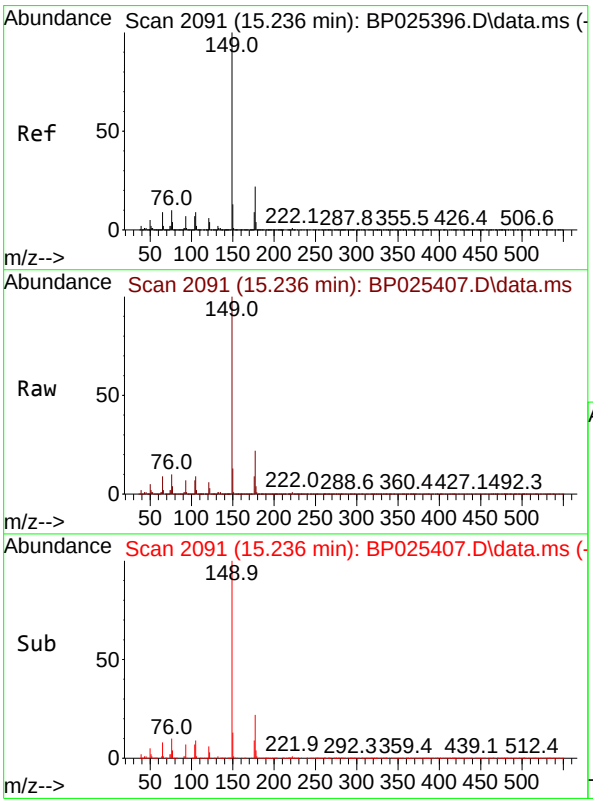
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.768 ng
RT: 15.036 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:232 Resp: 369543

Ion	Ratio	Lower	Upper
232	100		
131	46.7	37.0	55.6
130	2.5	1.9	2.9
166	31.5	25.4	38.0

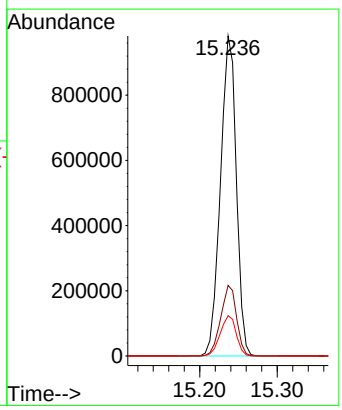


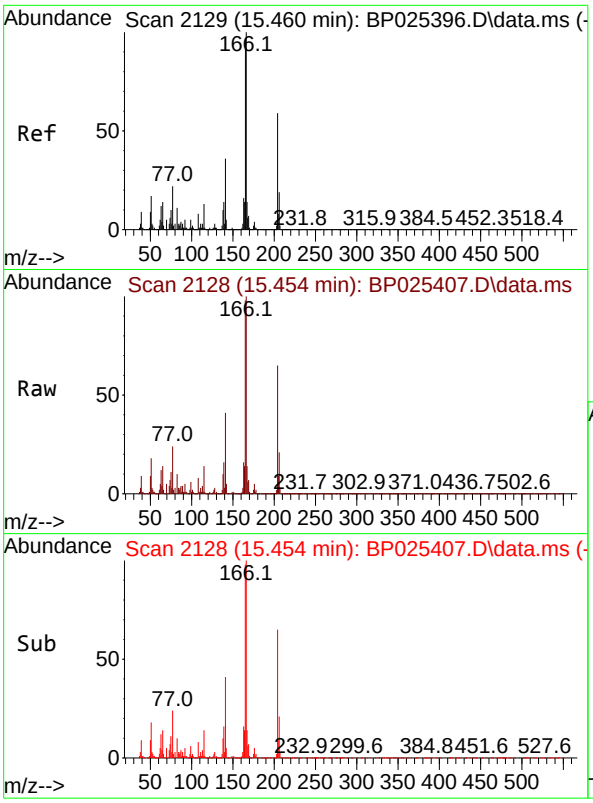


#60
Diethylphthalate
Concen: 45.748 ng
RT: 15.236 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1395643

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.6	10.3	15.5



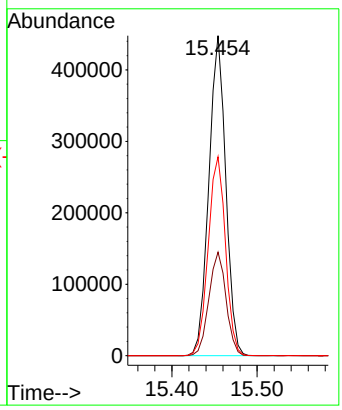


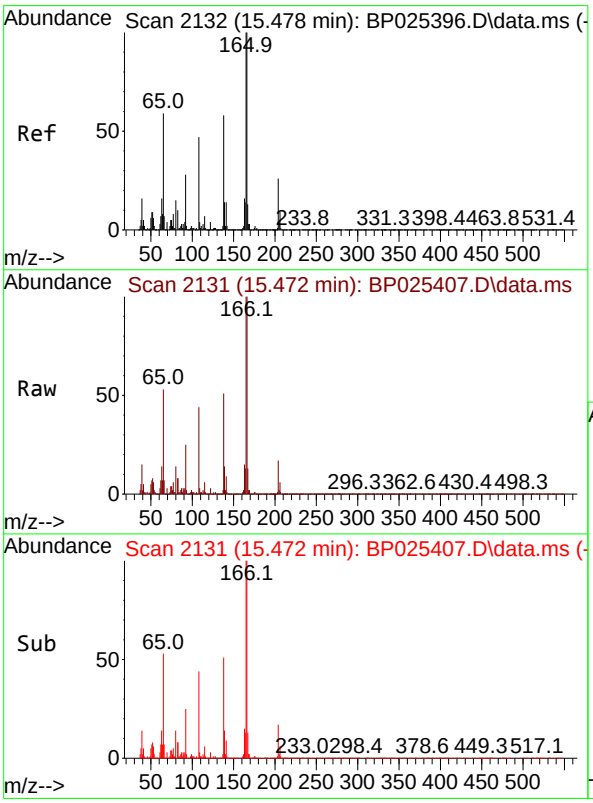
#61
4-Chlorophenyl-phenylether
Concen: 44.228 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:204 Resp: 617842

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	62.2	49.4	74.2

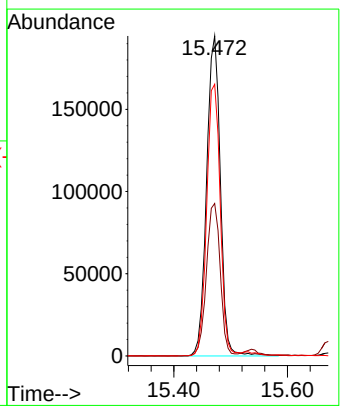


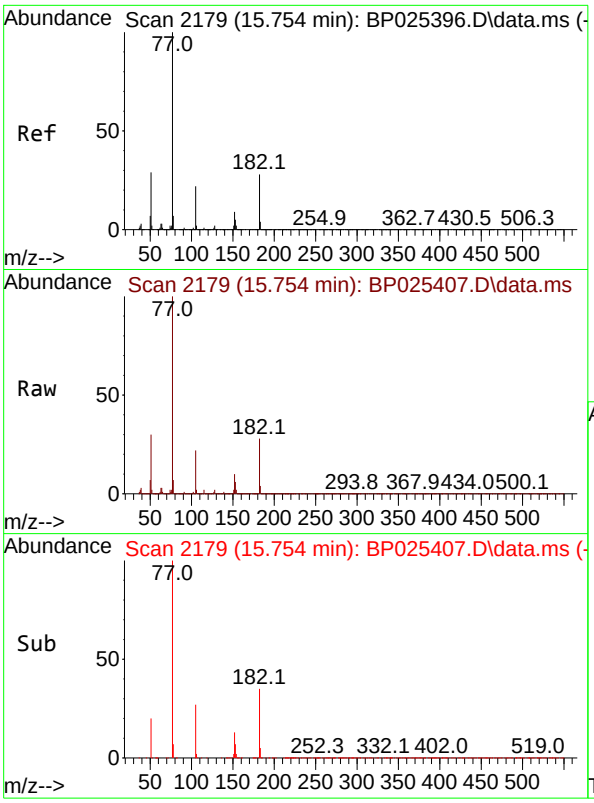


#62
4-Nitroaniline
Concen: 44.688 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:138 Resp: 326180

Ion	Ratio	Lower	Upper
138	100		
92	47.7	29.1	69.1
108	84.9	61.5	101.5



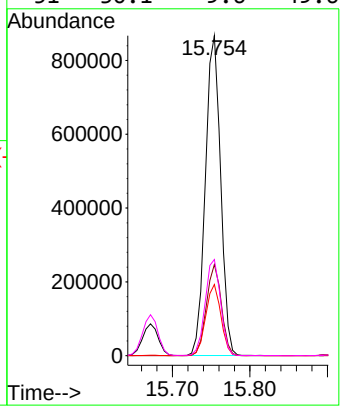


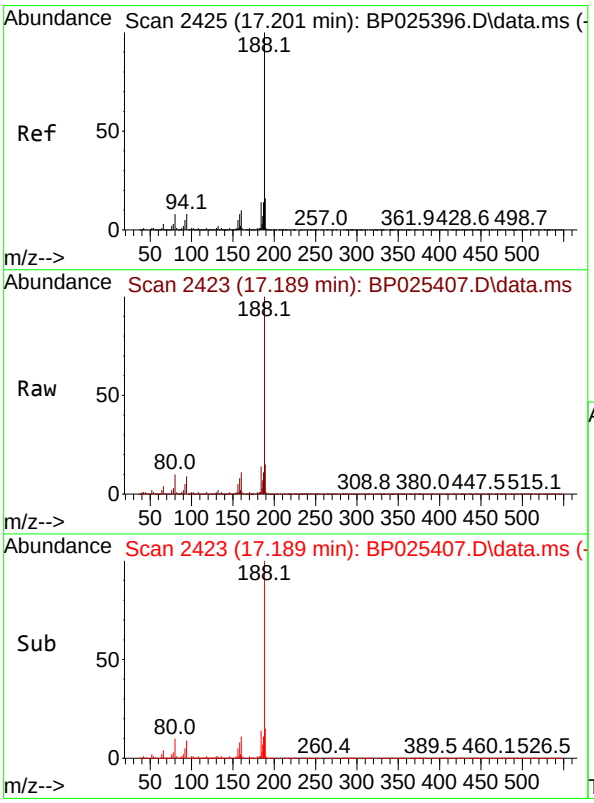
#63
Azobenzene
Concen: 45.267 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion: 77 Resp: 1182478

Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.5	47.5
105	22.2	2.1	42.1
51	30.1	9.6	49.6

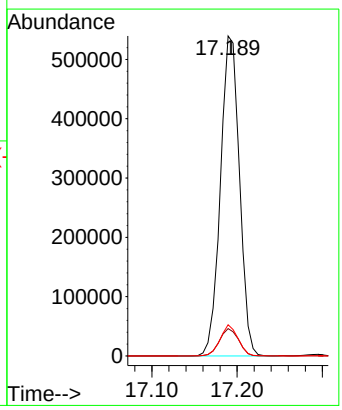


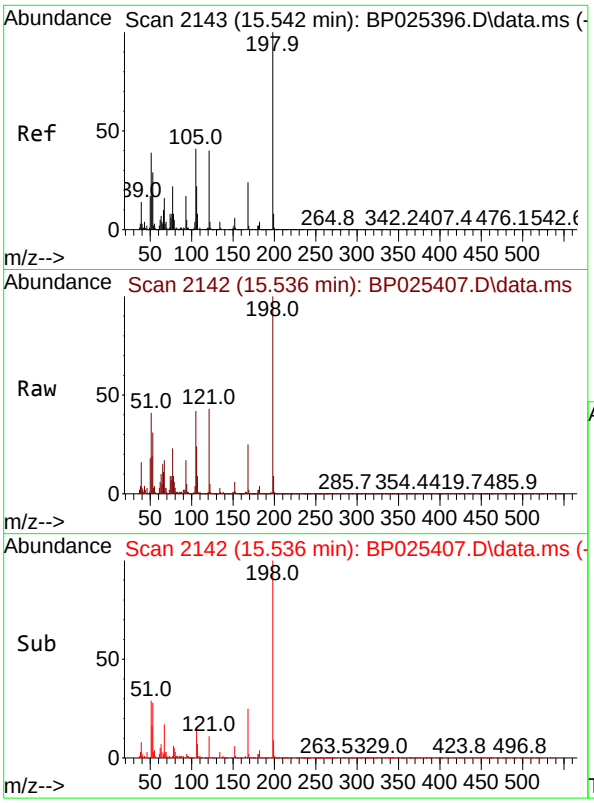


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:188 Resp: 838541

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.8	6.7	10.1



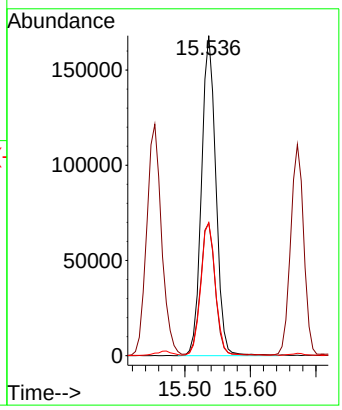


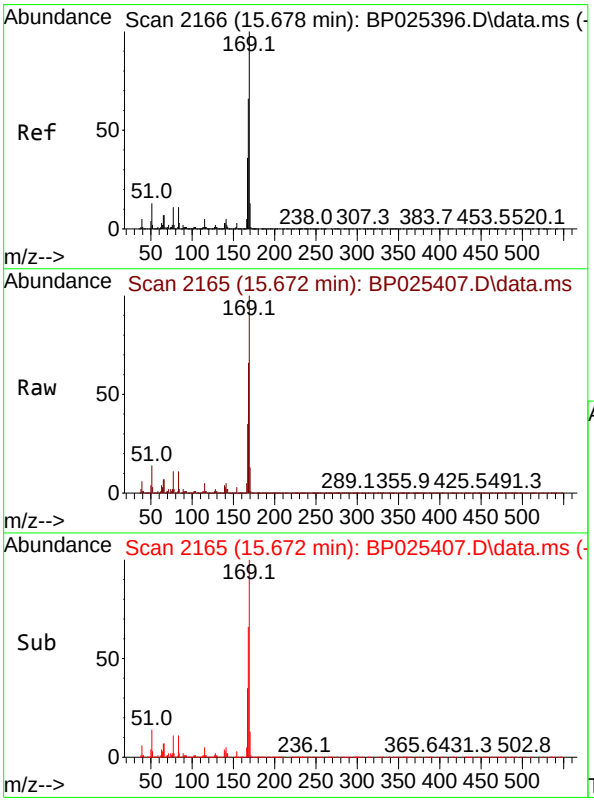
#65
4,6-Dinitro-2-methylphenol
Concen: 49.069 ng
RT: 15.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:198 Resp: 256489

Ion	Ratio	Lower	Upper
198	100		
51	41.4	19.6	59.6
105	41.6	20.9	60.9

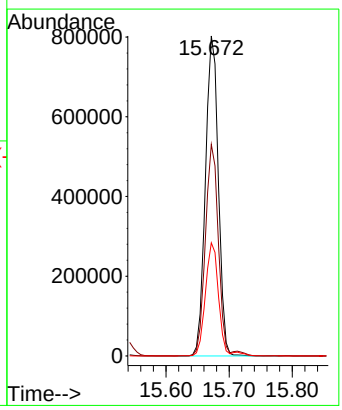


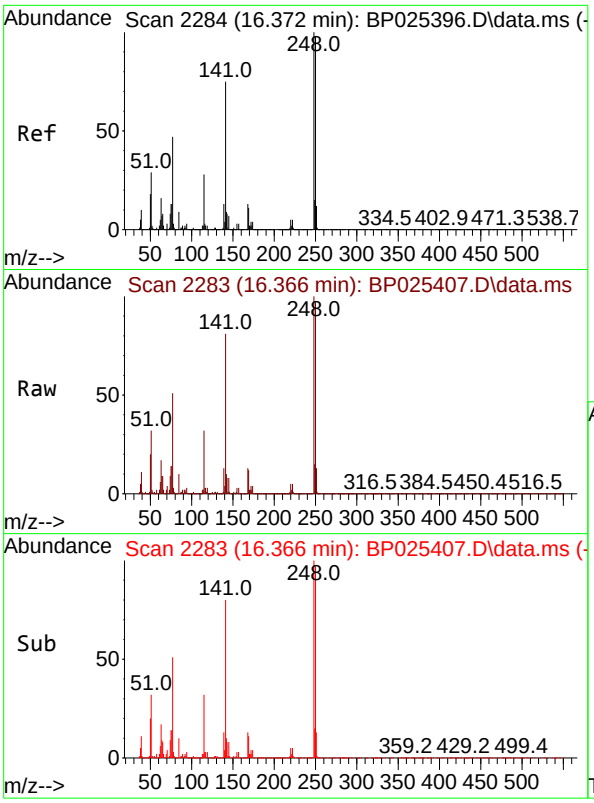


#66
n-Nitrosodiphenylamine
Concen: 44.624 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:169 Resp: 1141054

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.2	79.8
167	35.3	28.7	43.1



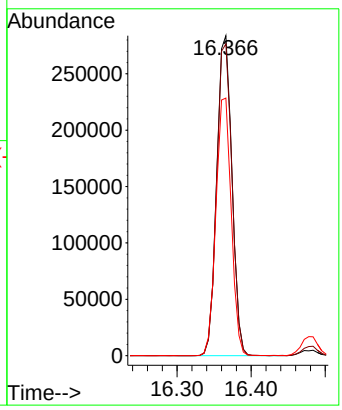


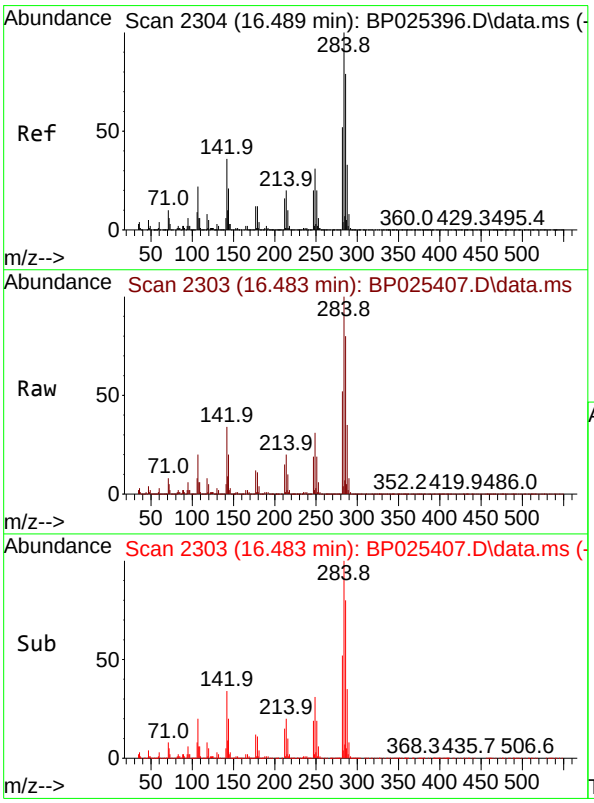
#67
4-Bromophenyl-phenylether
Concen: 44.031 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:248 Resp: 406073

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.2	117.2
141	80.5	59.6	89.4

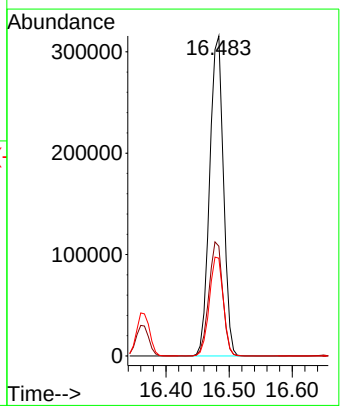


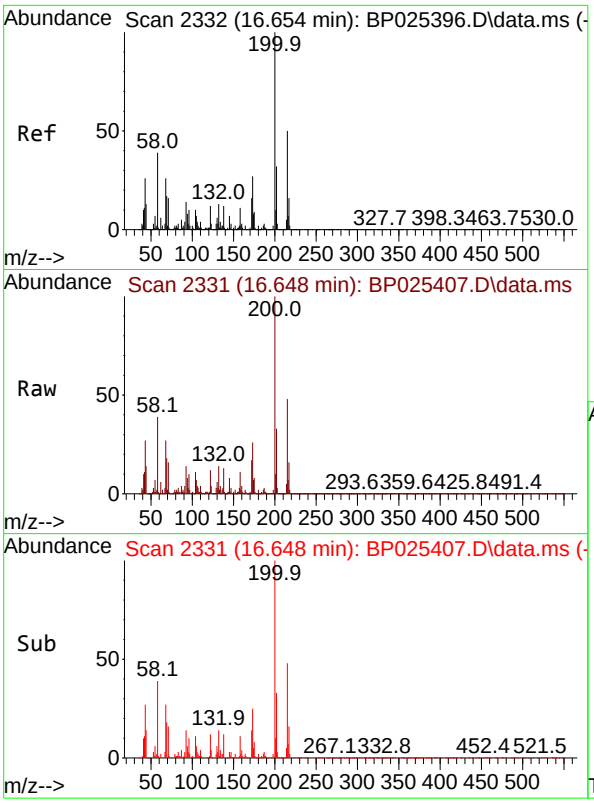


#68
Hexachlorobenzene
Concen: 44.629 ng
RT: 16.483 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:284 Resp: 477112

Ion	Ratio	Lower	Upper
284	100		
142	34.3	29.1	43.7
249	30.5	25.0	37.4



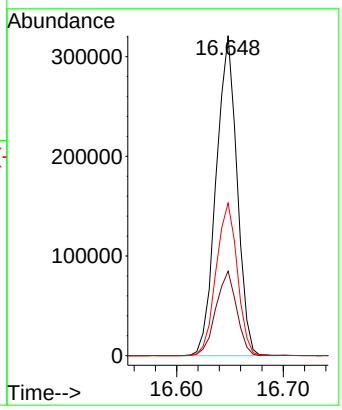


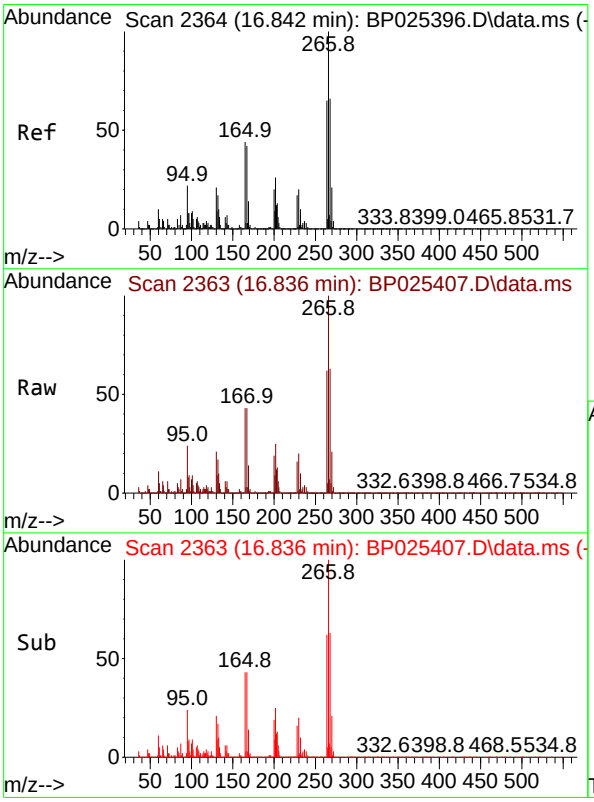
#69
Atrazine
Concen: 45.593 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:200 Resp: 436604

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.7	46.7
215	47.7	29.7	69.7

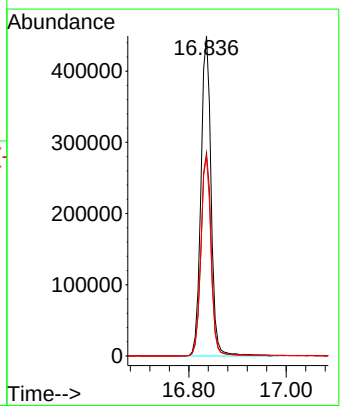


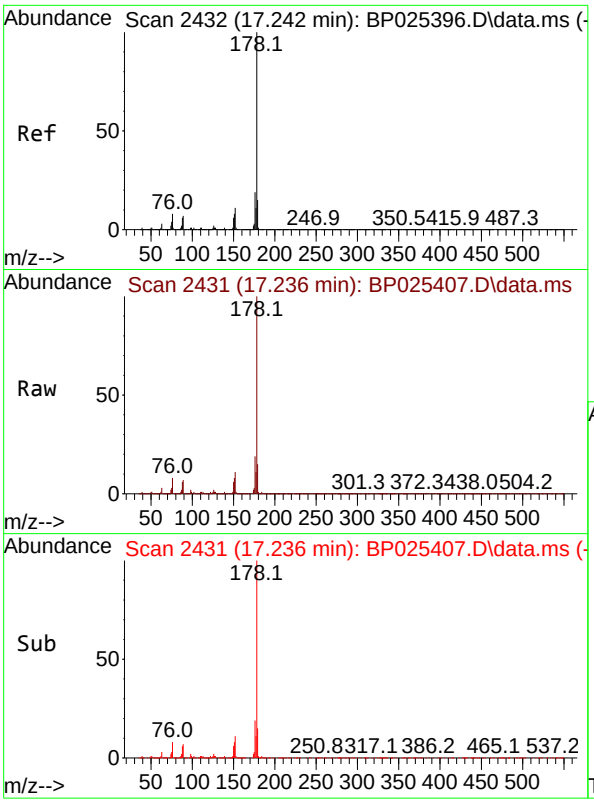


#70
Pentachlorophenol
Concen: 95.922 ng
RT: 16.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:266 Resp: 647332

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	62.3	52.0	78.0



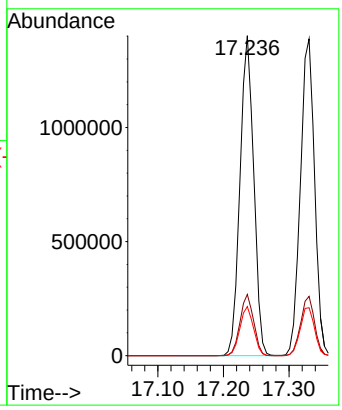


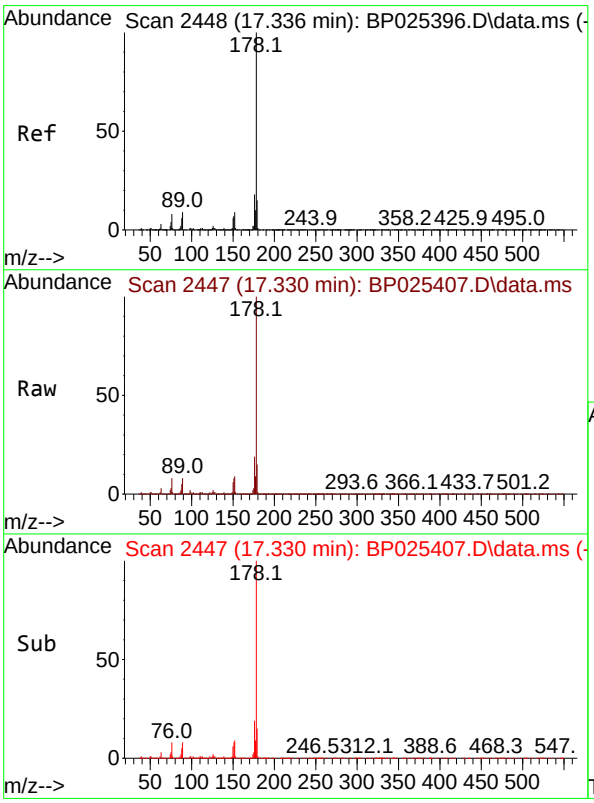
#71
Phenanthrene
Concen: 44.483 ng
RT: 17.236 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:178 Resp: 2049033

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.3	12.2	18.4

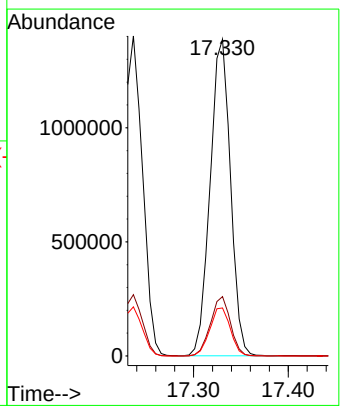


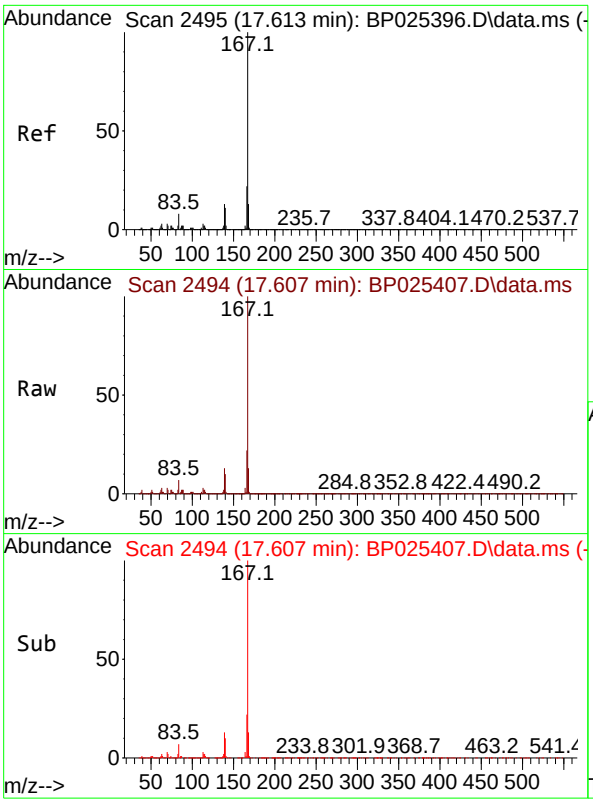


#72
Anthracene
Concen: 44.046 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:178 Resp: 2071926

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.2	18.2



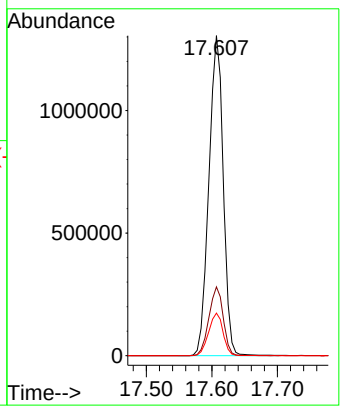


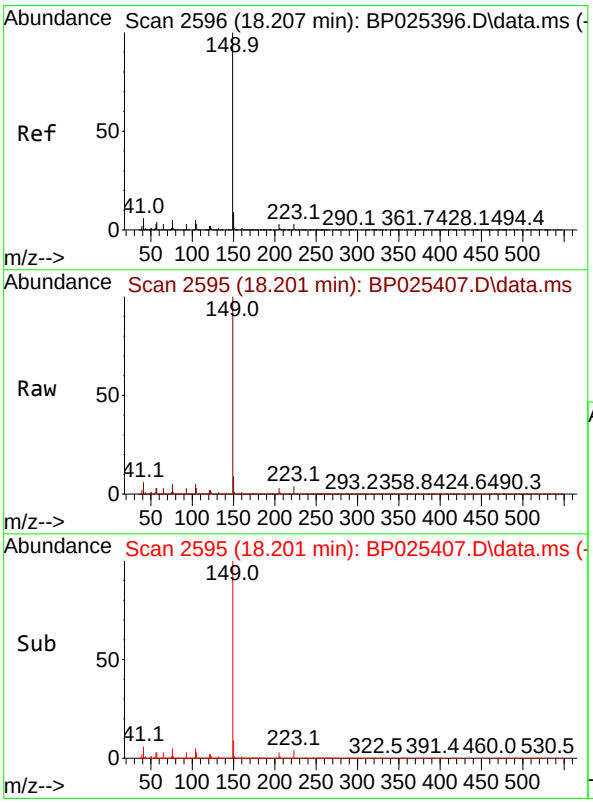
#73
Carbazole
Concen: 44.780 ng
RT: 17.607 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:167 Resp: 1984094

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.3	10.6	16.0

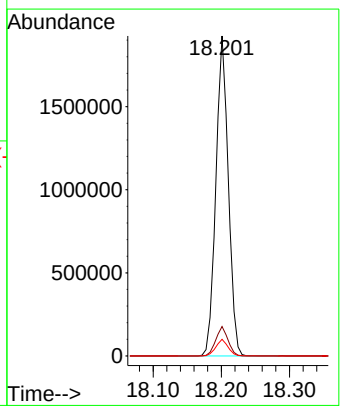


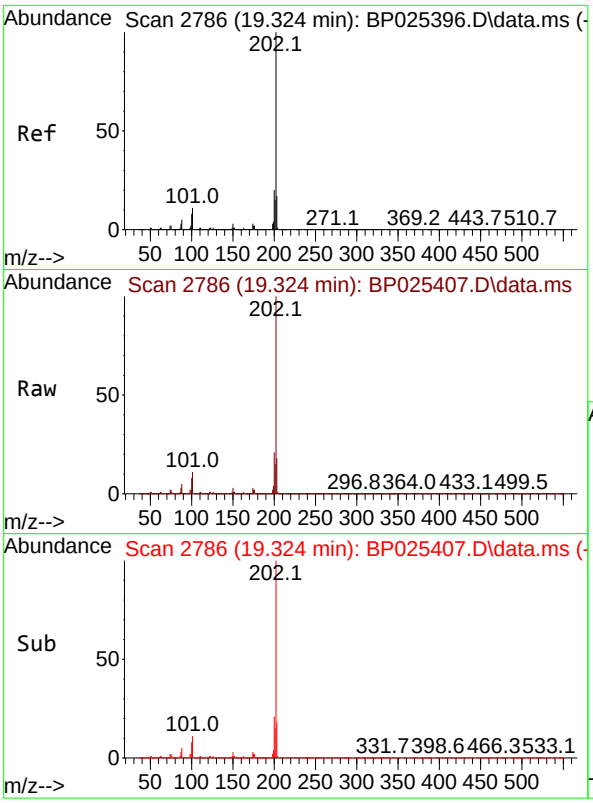


#74
Di-n-butylphthalate
Concen: 44.814 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 2442996

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



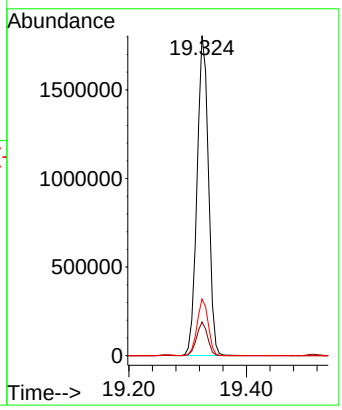


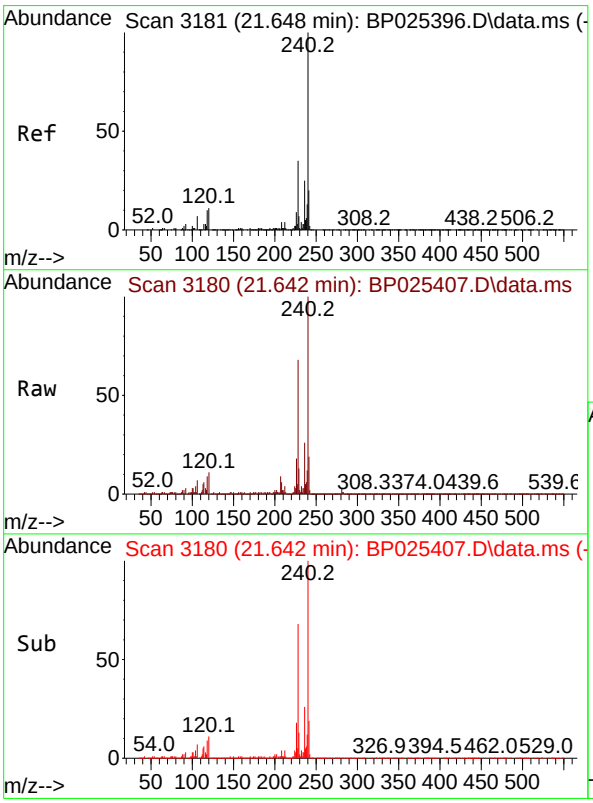
#75
Fluoranthene
Concen: 44.153 ng
RT: 19.324 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:202 Resp: 2426038

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	17.7	0.0	37.3

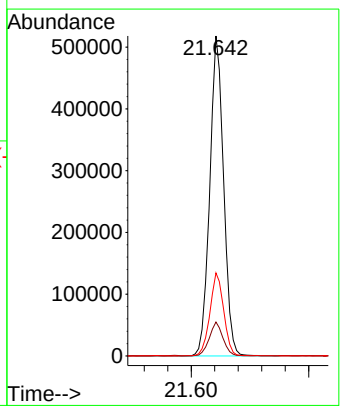


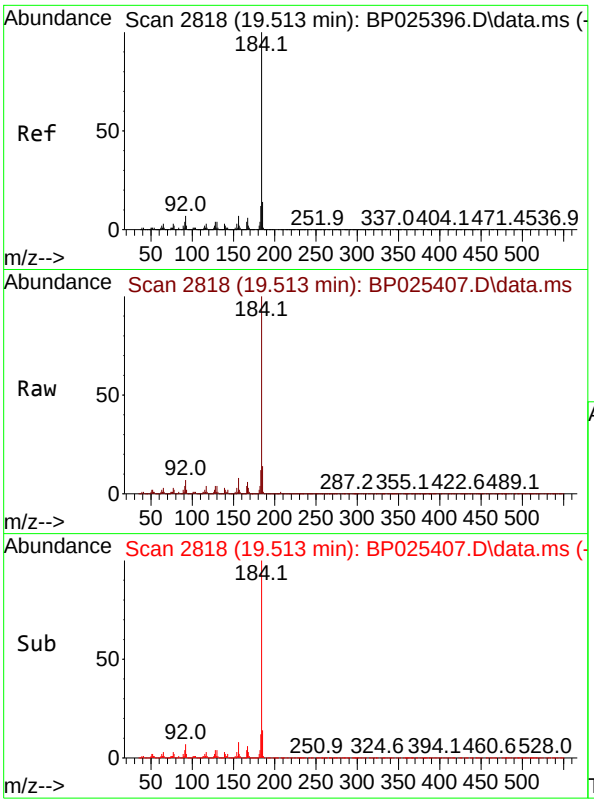


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:240 Resp: 848930

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.0	19.8	29.8



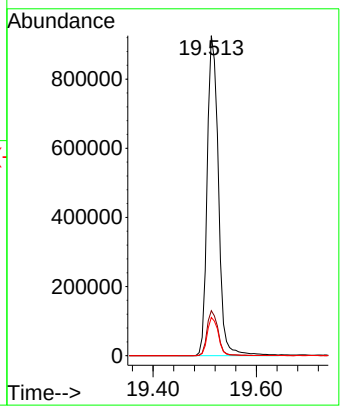


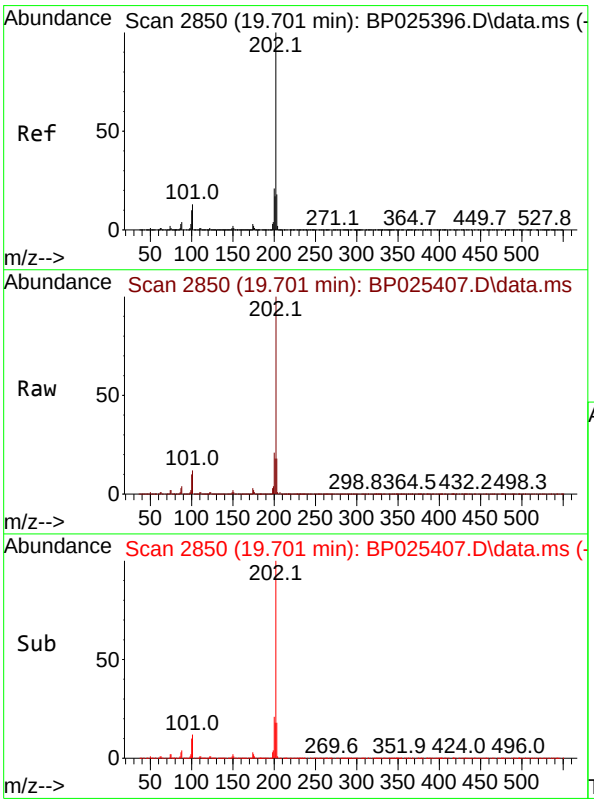
#77
Benzidine
Concen: 48.212 ng
RT: 19.513 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:184 Resp: 1396799

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.0	9.4	14.2

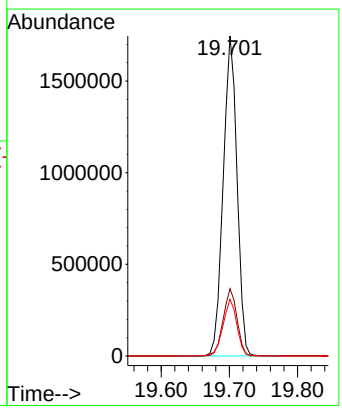


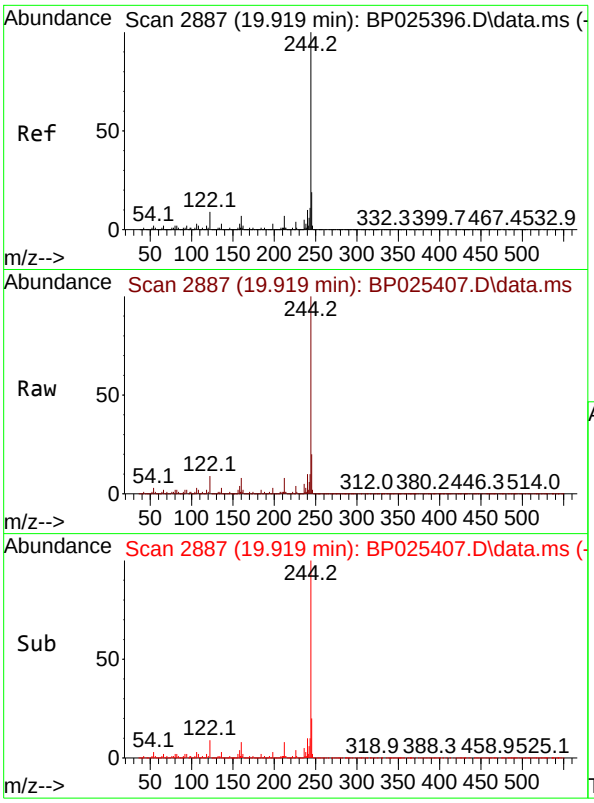


#78
Pyrene
Concen: 44.610 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:202 Resp: 2461482

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2



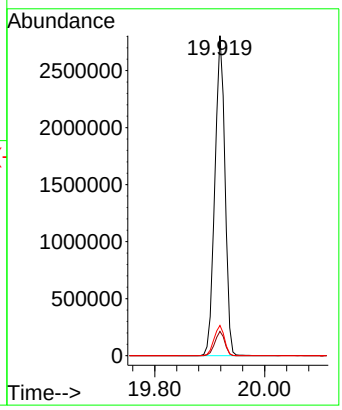


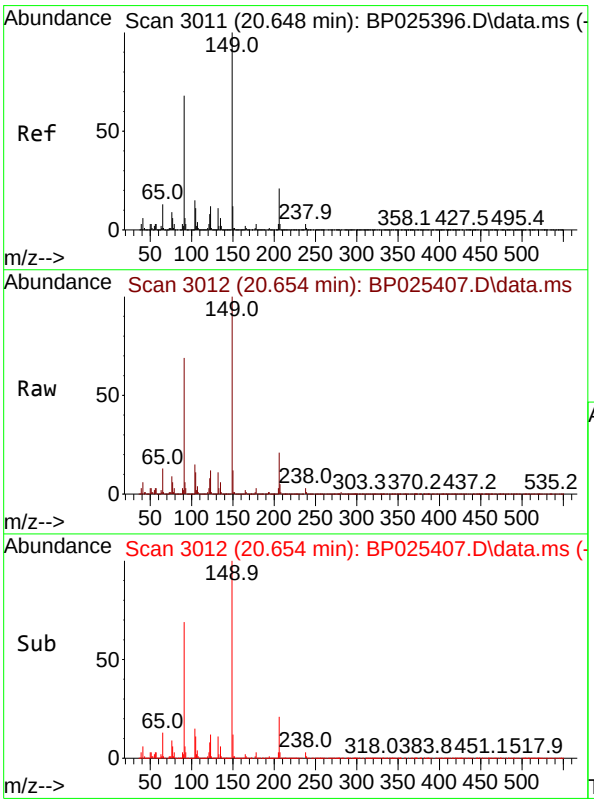
#79
Terphenyl-d14
Concen: 77.373 ng
RT: 19.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:244 Resp: 3590153

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.5	7.4	11.2

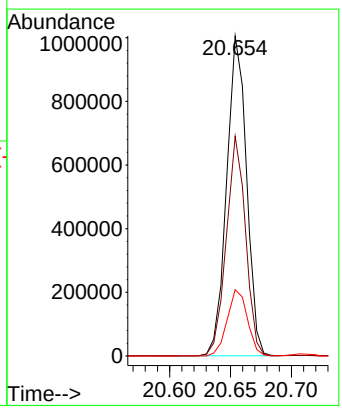


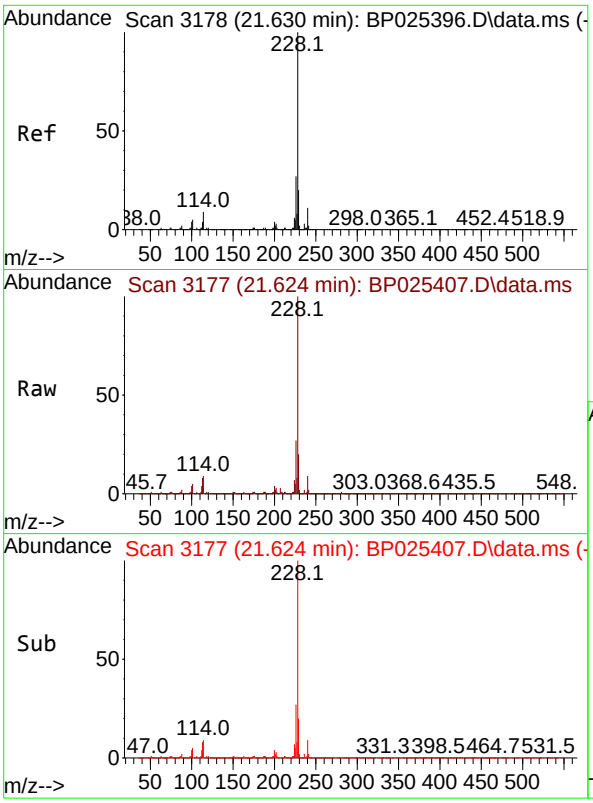


#80
Butylbenzylphthalate
Concen: 45.758 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1144283

Ion	Ratio	Lower	Upper
149	100		
91	68.7	54.2	81.2
206	20.7	16.6	24.8



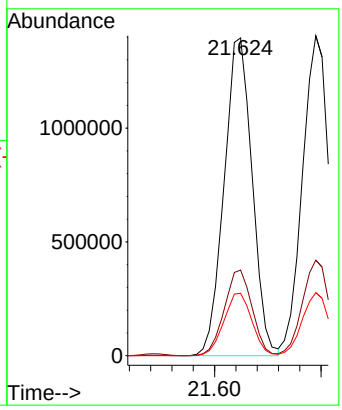


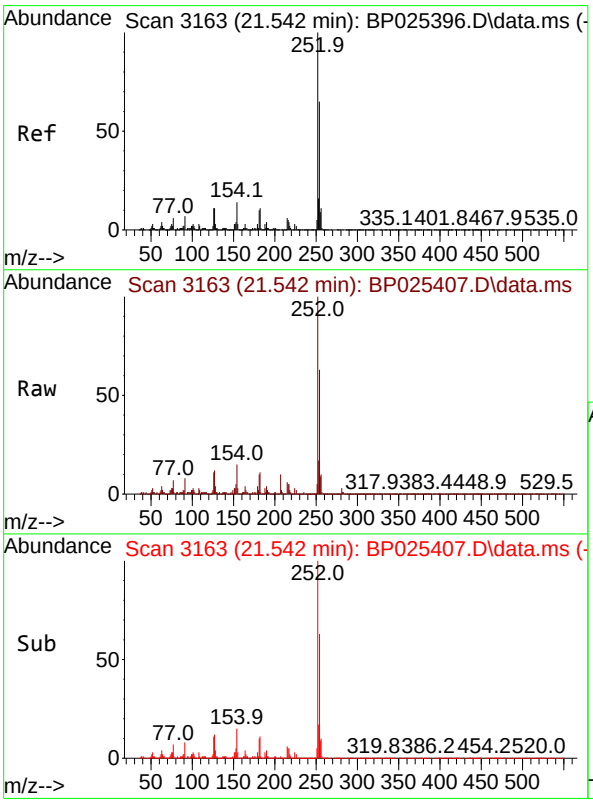
#81
Benzo(a)anthracene
Concen: 45.593 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:228 Resp: 2552604

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.6	23.4

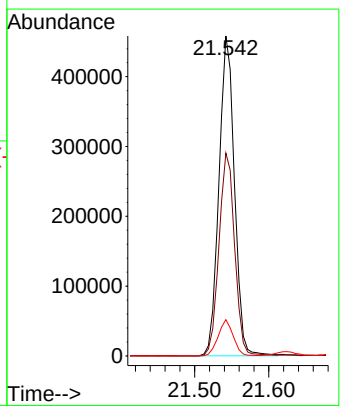


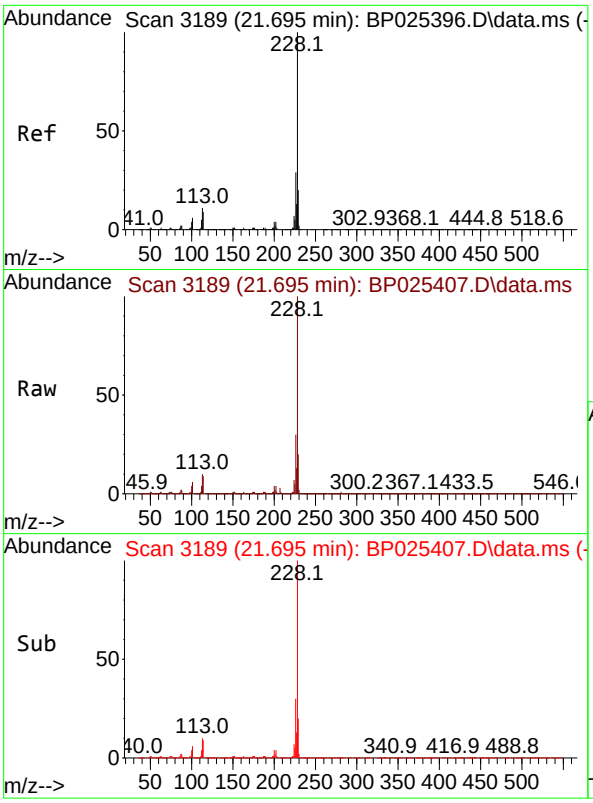


#82
3,3'-Dichlorobenzidine
Concen: 31.552 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 665844

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.8	77.6
126	11.4	9.1	13.7



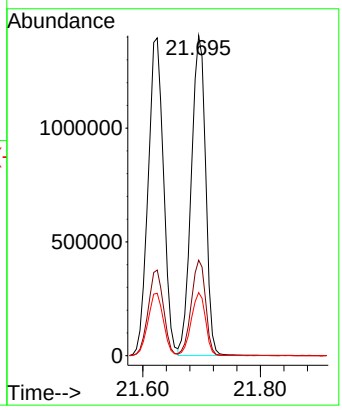


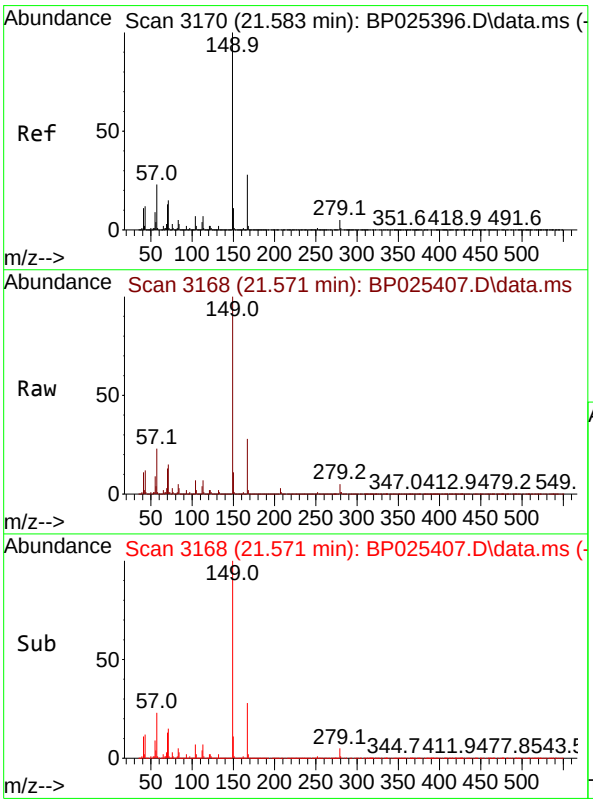
#83
Chrysene
Concen: 45.457 ng
RT: 21.695 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:228 Resp: 2383389

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4

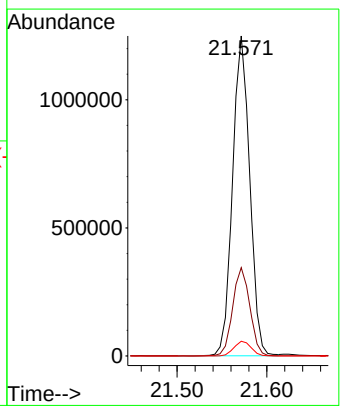


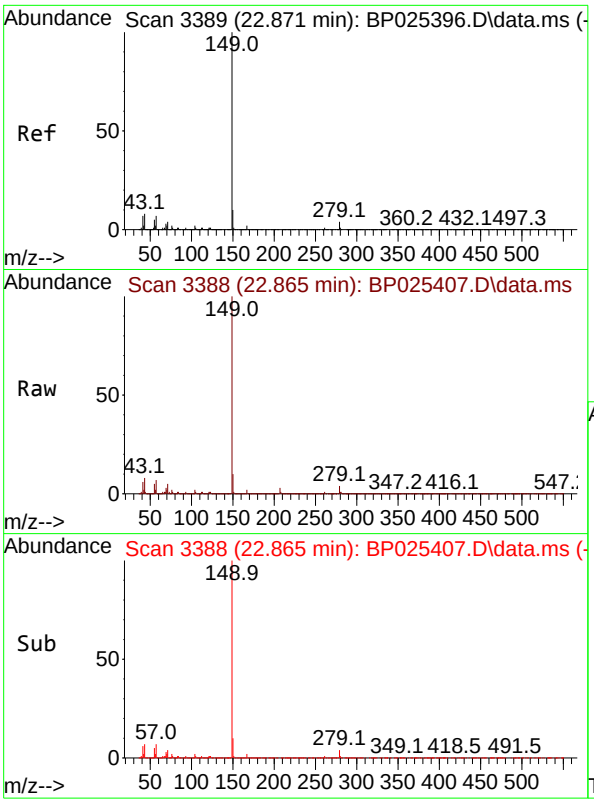


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.102 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:149 Resp: 1660300

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	4.6	3.8	5.6



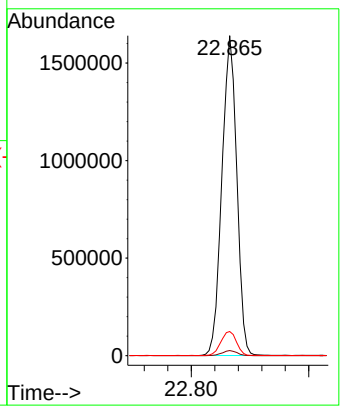


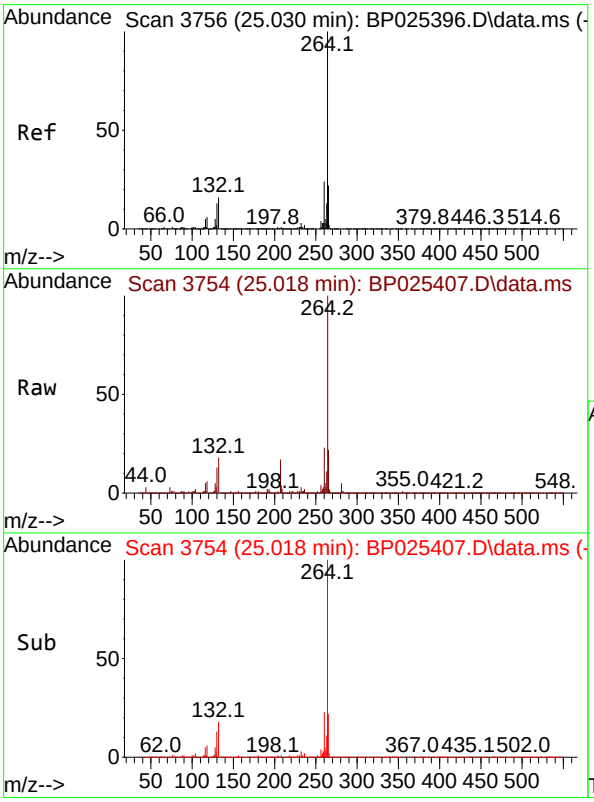
#85
Di-n-octyl phthalate
Concen: 45.504 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:149 Resp: 2881260

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

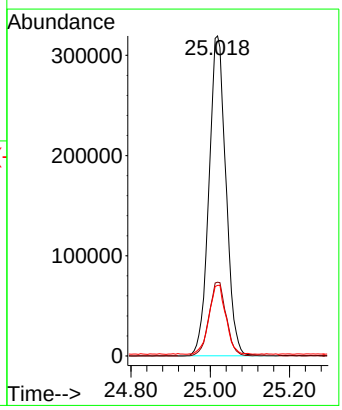


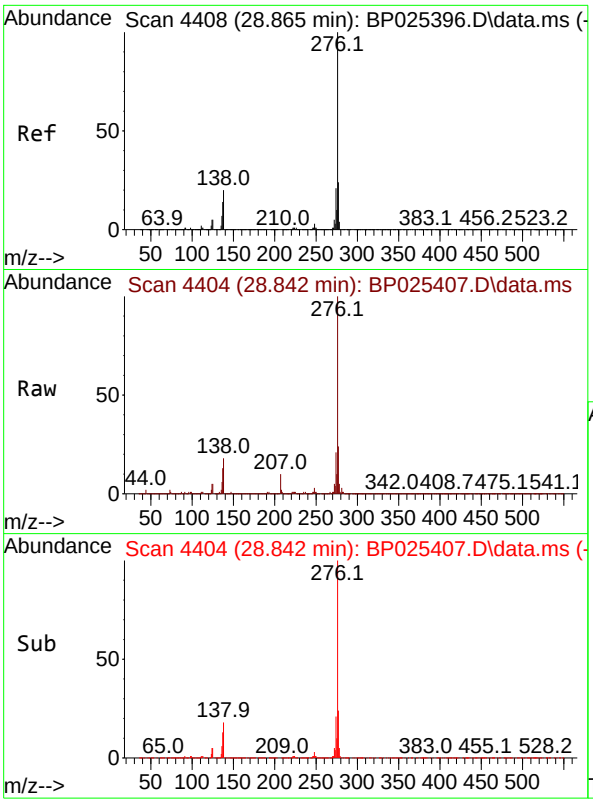


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:264 Resp: 946447

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	22.1	17.4	26.0



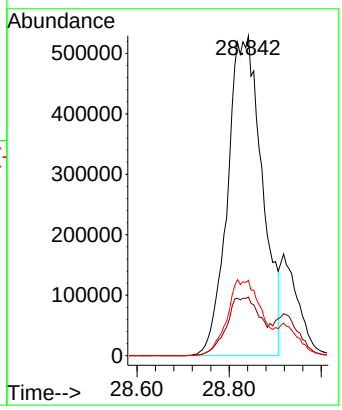


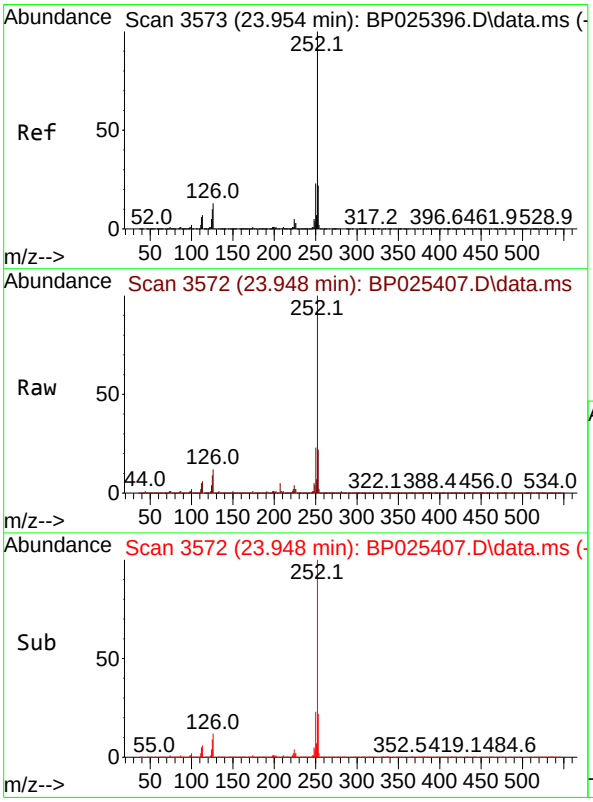
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.611 ng
RT: 28.842 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:276 Resp: 2749360

Ion	Ratio	Lower	Upper
276	100		
138	0.0	12.9	19.3#
277	0.0	17.0	25.6#

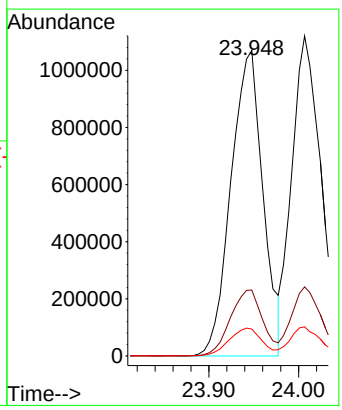


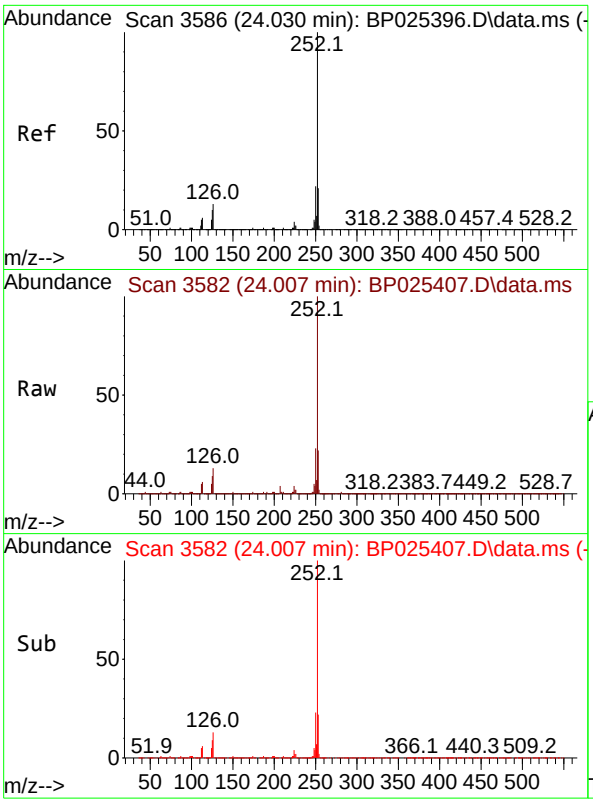


#88
Benzo(b)fluoranthene
Concen: 47.402 ng
RT: 23.948 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 2645452

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.8	7.9	11.9



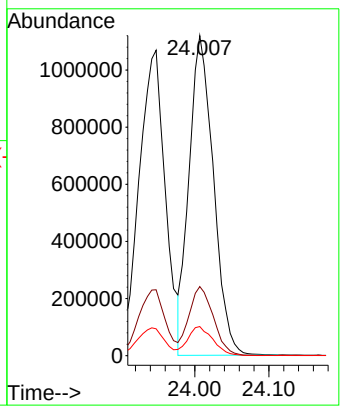


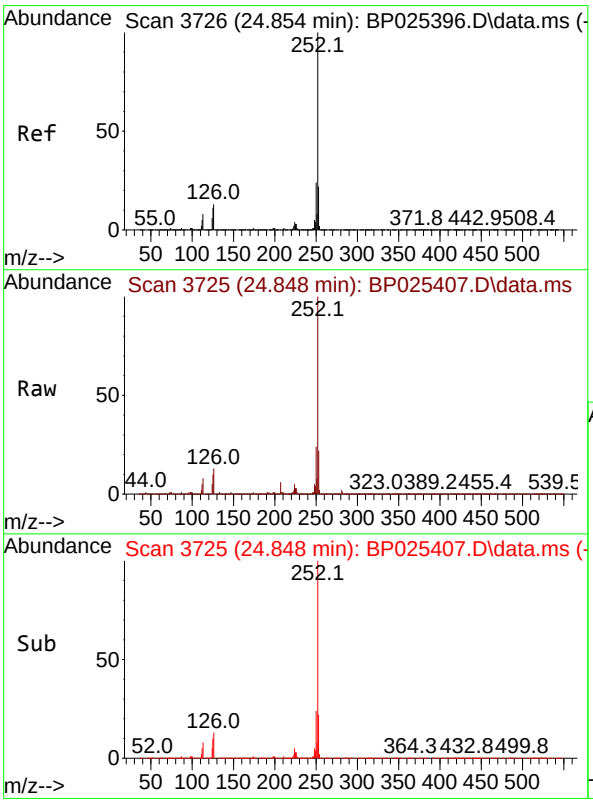
#89
Benzo(k)fluoranthene
Concen: 45.736 ng
RT: 24.007 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:252 Resp: 2554212

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.1	7.8	11.6

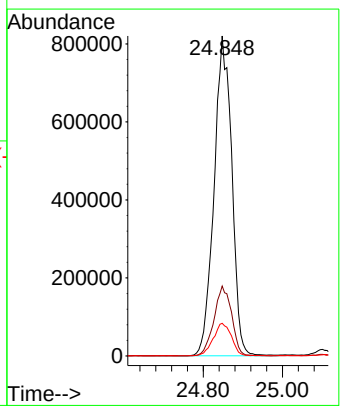


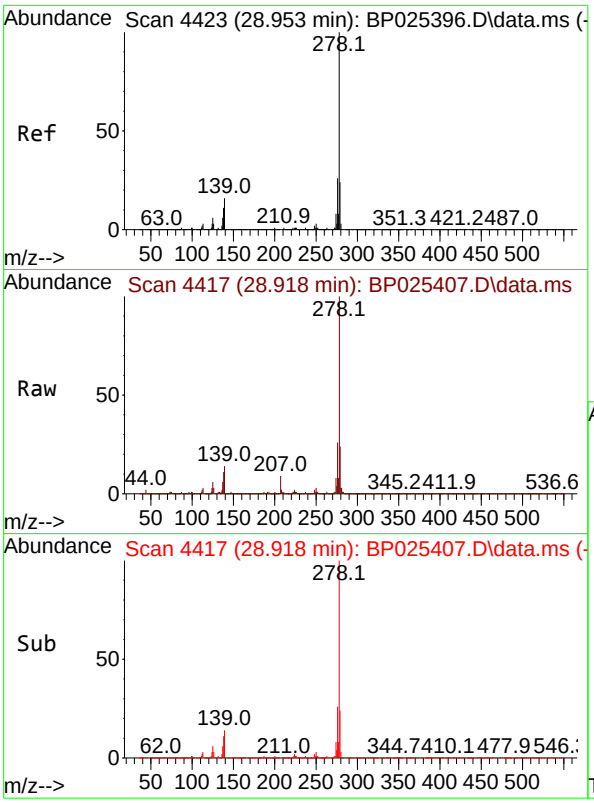


#90
Benzo(a)pyrene
Concen: 46.840 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:252 Resp: 2544632

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	8.7	13.1



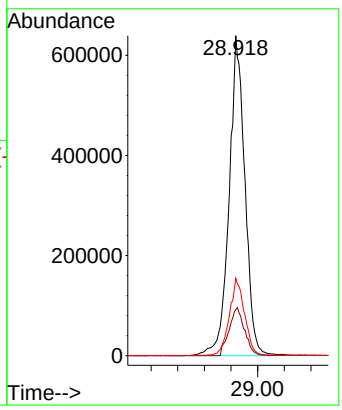


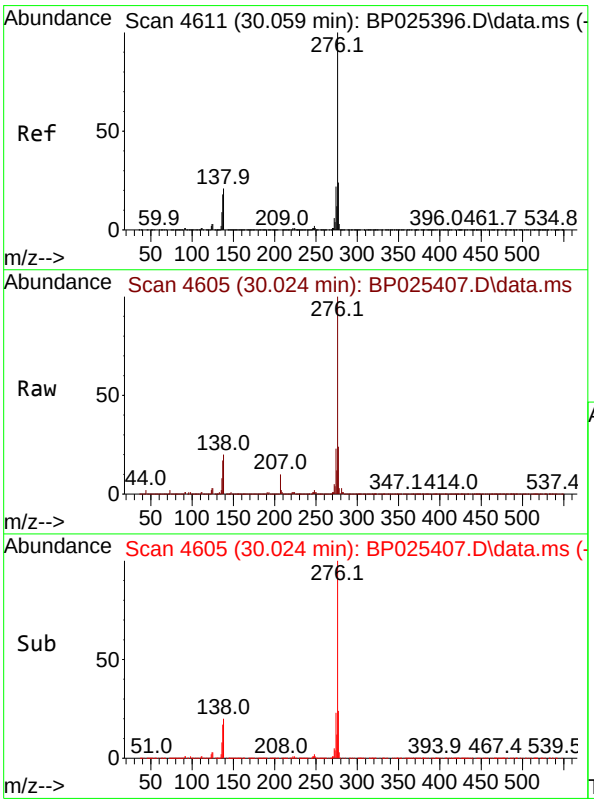
#91
Dibenzo(a,h)anthracene
Concen: 46.488 ng
RT: 28.918 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Instrument :
BNA_P
ClientSampleId :
PB169228BS

Tgt Ion:278 Resp: 2636878

Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.0	19.4
279	24.2	19.4	29.2

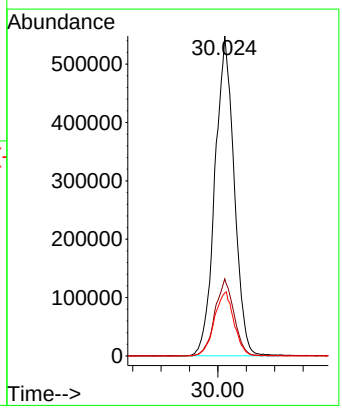




#92
Benzo(g,h,i)perylene
Concen: 46.141 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025407.D
Acq: 15 Aug 2025 00:18

Tgt Ion:276 Resp: 2572611

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	19.7	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	150786	20.000	ng		0.00
21) Naphthalene-d8	10.566	136	605832	20.000	ng		0.00
39) Acenaphthene-d10	14.395	164	386320	20.000	ng		-0.01
64) Phenanthrene-d10	17.195	188	780287	20.000	ng		0.00
76) Chrysene-d12	21.642	240	875377	20.000	ng		0.00
86) Perylene-d12	25.001	264	1000604	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	768113	84.597	ng		0.00
7) Phenol-d6	6.972	99	997741	85.710	ng		0.00
23) Nitrobenzene-d5	8.931	82	621723	51.912	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	441123	84.833	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1406520	49.758	ng		0.00
79) Terphenyl-d14	19.913	244	2185634	45.681	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	127096	35.736	ng		97
3) Pyridine	3.725	79	350548	36.011	ng		97
4) n-Nitrosodimethylamine	3.637	42	171159	42.649	ng		97
6) Aniline	7.125	93	528462	33.694	ng		98
8) 2-Chlorophenol	7.366	128	452389	44.153	ng		98
9) Benzaldehyde	6.943	77	214385	26.286	ng		99
10) Phenol	6.996	94	550261	45.048	ng		96
11) bis(2-Chloroethyl)ether	7.219	93	391840	41.157	ng		99
12) 1,3-Dichlorobenzene	7.684	146	466002	41.247	ng		99
13) 1,4-Dichlorobenzene	7.825	146	475529	41.179	ng		99
14) 1,2-Dichlorobenzene	8.143	146	455238	40.725	ng		98
15) Benzyl Alcohol	8.025	79	400142	43.261	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.313	45	524406	41.117	ng		99
17) 2-Methylphenol	8.225	107	379896	44.780	ng		98
18) Hexachloroethane	8.866	117	174455	41.089	ng		96
19) n-Nitroso-di-n-propyla...	8.590	70	308676	40.032	ng		97
20) 3+4-Methylphenols	8.549	107	523056	44.480	ng		98
22) Acetophenone	8.607	105	638997	42.059	ng	#	98
24) Nitrobenzene	8.972	77	463016	43.258	ng		99
25) Isophorone	9.502	82	886621	41.831	ng		99
26) 2-Nitrophenol	9.678	139	238745	43.463	ng		98
27) 2,4-Dimethylphenol	9.737	122	434435	45.989	ng		98
28) bis(2-Chloroethoxy)met...	9.972	93	540971	42.224	ng		99
29) 2,4-Dichlorophenol	10.207	162	437774	46.651	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	433129	42.105	ng		98
31) Naphthalene	10.613	128	1330005	42.238	ng		99
32) Benzoic acid	9.884	122	311312	44.638	ng		98
33) 4-Chloroaniline	10.713	127	321033	23.081	ng		99
34) Hexachlorobutadiene	10.901	225	274233	42.806	ng		98
35) Caprolactam	11.496	113	149929	43.572	ng		99
36) 4-Chloro-3-methylphenol	11.843	107	491428	45.638	ng		98
37) 2-Methylnaphthalene	12.219	142	871694	42.539	ng		98
38) 1-Methylnaphthalene	12.437	142	902892	41.432	ng		99
40) 1,2,4,5-Tetrachloroben...	12.590	216	495028	44.368	ng		99
41) Hexachlorocyclopentadiene	12.572	237	587000	87.099	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	352250	46.764	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

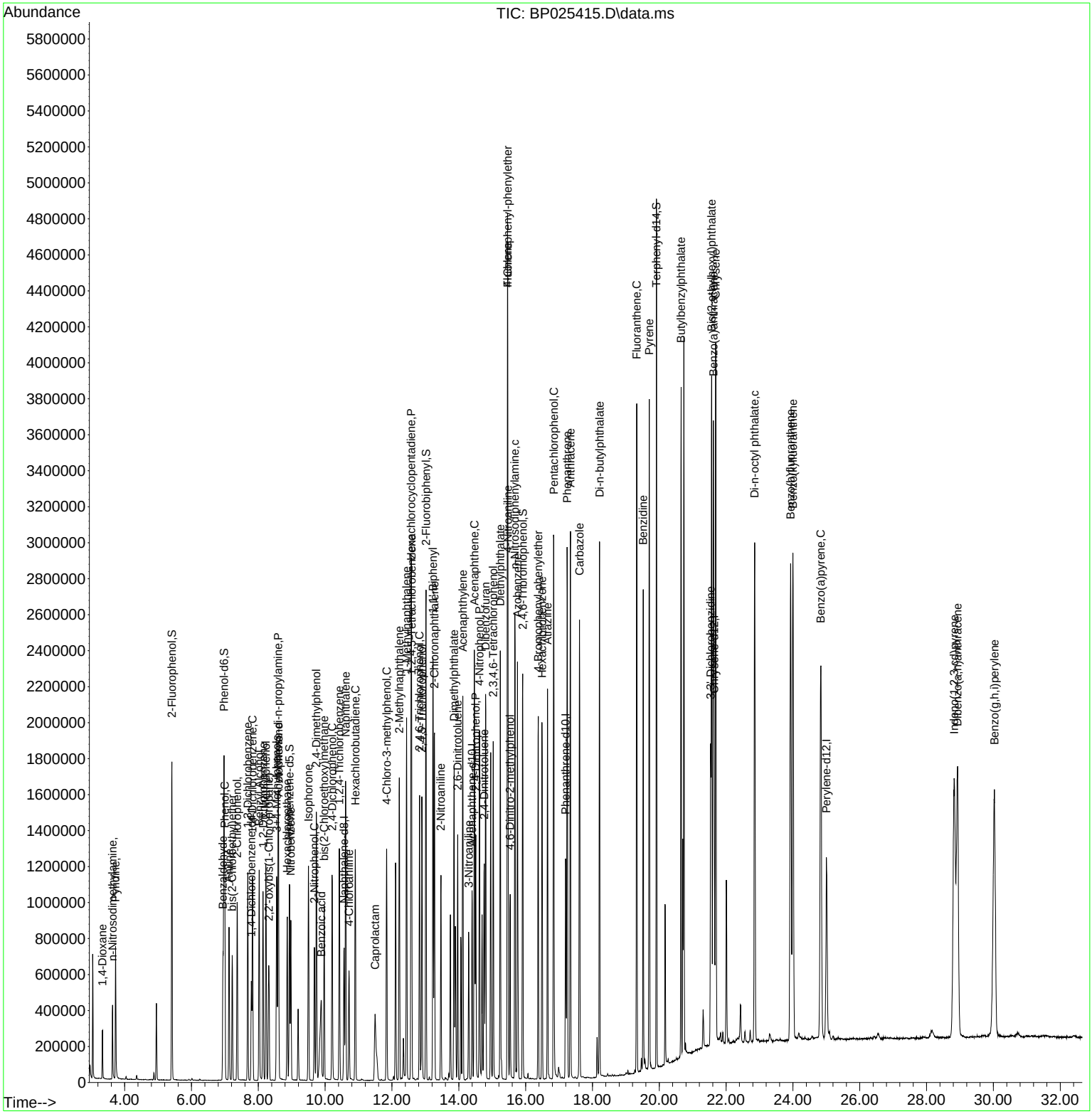
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	390615	47.317	ng	99
46) 1,1'-Biphenyl	13.225	154	1250868	44.583	ng	100
47) 2-Chloronaphthalene	13.272	162	963302	44.103	ng	99
48) 2-Nitroaniline	13.466	65	297760	46.787	ng	99
49) Acenaphthylene	14.119	152	1611999	44.601	ng	99
50) Dimethylphthalate	13.860	163	1254219	44.335	ng	100
51) 2,6-Dinitrotoluene	13.966	165	269670	45.226	ng	91
52) Acenaphthene	14.466	154	949405	44.752	ng	99
53) 3-Nitroaniline	14.295	138	199924	29.801	ng	93
54) 2,4-Dinitrophenol	14.507	184	307887	96.691	ng	98
55) Dibenzofuran	14.801	168	1489789	44.417	ng	99
56) 4-Nitrophenol	14.619	139	513780	93.200	ng	95
57) 2,4-Dinitrotoluene	14.760	165	399936	47.011	ng	100
58) Fluorene	15.460	166	1142677	43.175	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.031	232	334331	45.866	ng	99
60) Diethylphthalate	15.242	149	1293019	44.982	ng	100
61) 4-Chlorophenyl-phenyle...	15.460	204	558984	42.468	ng	97
62) 4-Nitroaniline	15.472	138	295780	43.007	ng	96
63) Azobenzene	15.754	77	1184564	48.126	ng	98
65) 4,6-Dinitro-2-methylph...	15.537	198	221973	45.637	ng	99
66) n-Nitrosodiphenylamine	15.678	169	1035094	43.502	ng	100
67) 4-Bromophenyl-phenylether	16.378	248	374274	43.613	ng	98
68) Hexachlorobenzene	16.489	284	432625	43.489	ng	98
69) Atrazine	16.654	200	398840	44.758	ng	98
70) Pentachlorophenol	16.842	266	593177	94.460	ng	98
71) Phenanthrene	17.242	178	1900981	44.349	ng	100
72) Anthracene	17.342	178	1901911	43.450	ng	99
73) Carbazole	17.613	167	1848365	44.831	ng	99
74) Di-n-butylphthalate	18.213	149	2264177	44.635	ng	100
75) Fluoranthene	19.325	202	2274430	44.484	ng	98
77) Benzidine	19.519	184	1279852	42.841	ng	99
78) Pyrene	19.701	202	2376529	41.769	ng	99
80) Butylbenzylphthalate	20.654	149	1141667	44.274	ng	98
81) Benzo(a)anthracene	21.619	228	2561195	44.364	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	558511	25.666	ng	99
83) Chrysene	21.689	228	2409067	44.558	ng	100
84) Bis(2-ethylhexyl)phtha...	21.566	149	1670118	43.998	ng	100
85) Di-n-octyl phthalate	22.854	149	2946897	45.135	ng	100
87) Indeno(1,2,3-cd)pyrene	28.824	276	2817344	38.394	ng	94
88) Benzo(b)fluoranthene	23.930	252	2653334	44.970	ng	99
89) Benzo(k)fluoranthene	24.001	252	2664055	45.121	ng	99
90) Benzo(a)pyrene	24.830	252	2562652	44.619	ng	99
91) Dibenzo(a,h)anthracene	28.924	278	2675040	44.609	ng	98
92) Benzo(g,h,i)perylene	30.030	276	2637753	44.748	ng	98

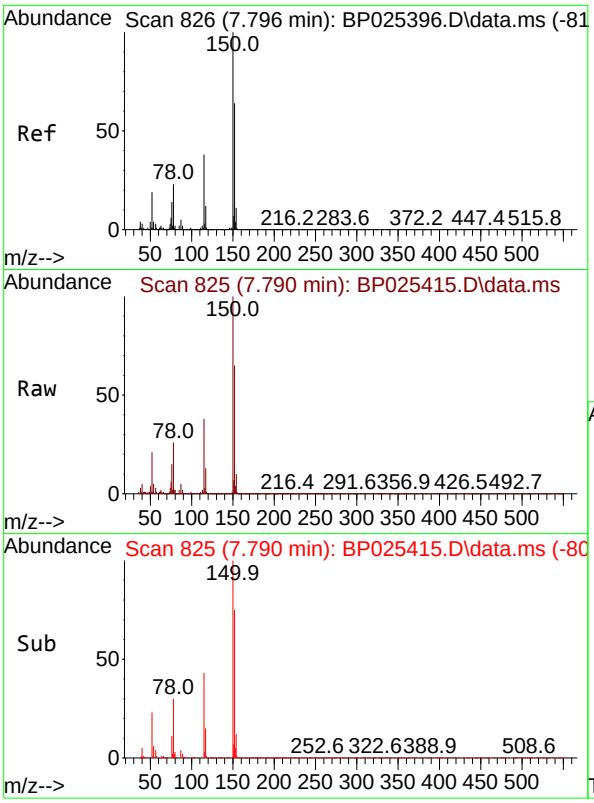
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025415.D
Acq On : 15 Aug 2025 05:48
Operator : CG/JU
Sample : Q2820-17MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Quant Time: Aug 15 08:05:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



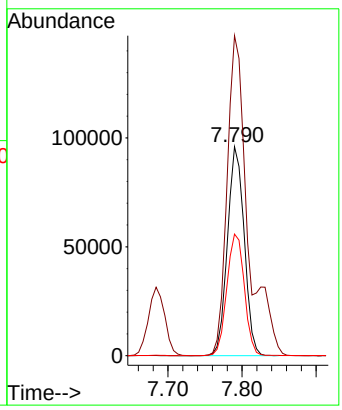


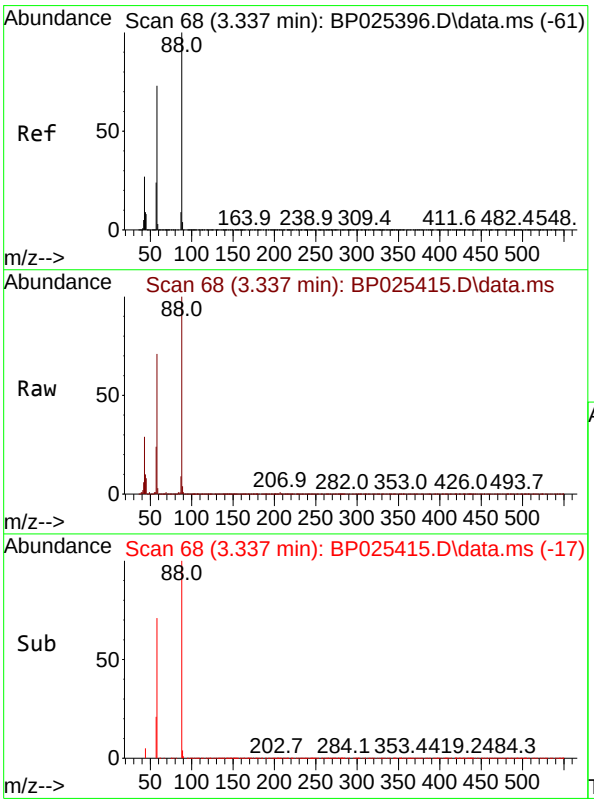
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:152 Resp: 150786

Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.9	188.9
115	58.2	48.5	72.7

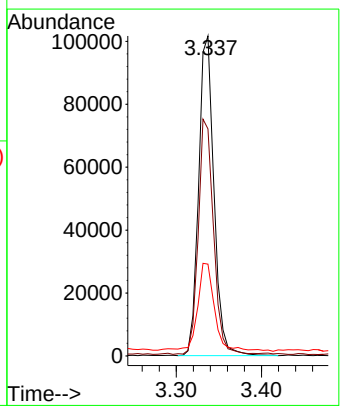


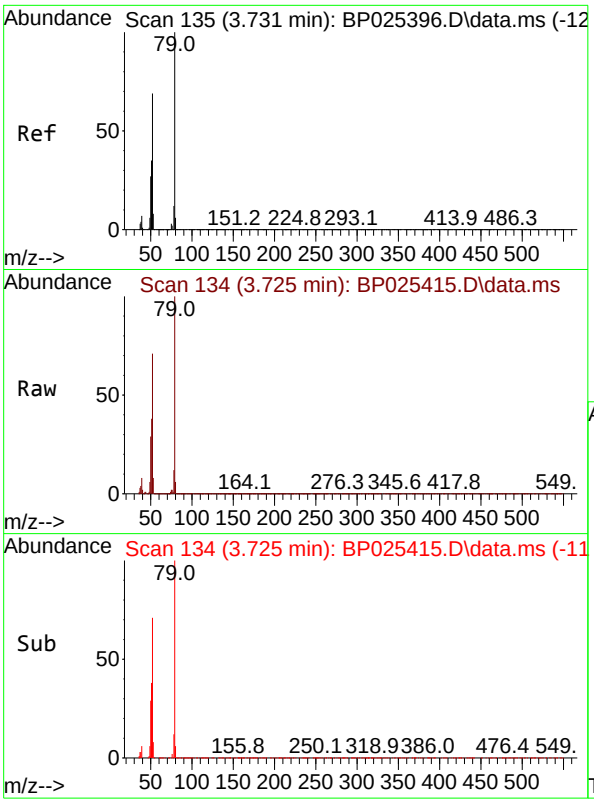


#2
1,4-Dioxane
Concen: 35.736 ng
RT: 3.337 min Scan# 68
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 88 Resp: 127096

Ion	Ratio	Lower	Upper
88	100		
58	73.0	59.2	88.8
43	31.5	21.7	32.5



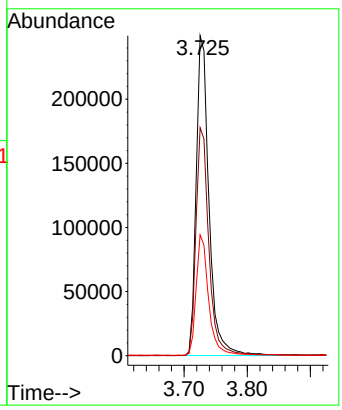


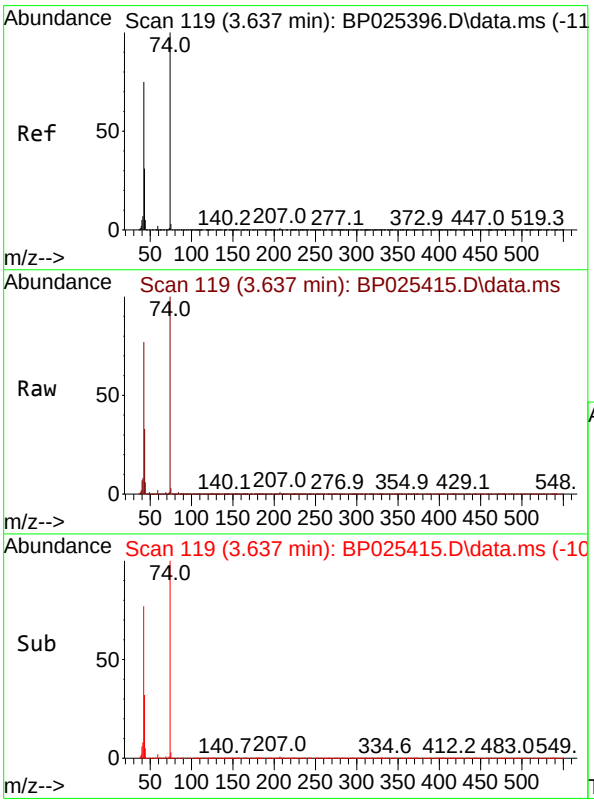
#3
Pyridine
Concen: 36.011 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 79 Resp: 350548

Ion	Ratio	Lower	Upper
79	100		
52	71.3	55.5	83.3
51	37.8	28.3	42.5

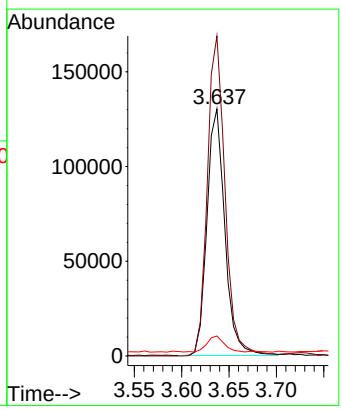


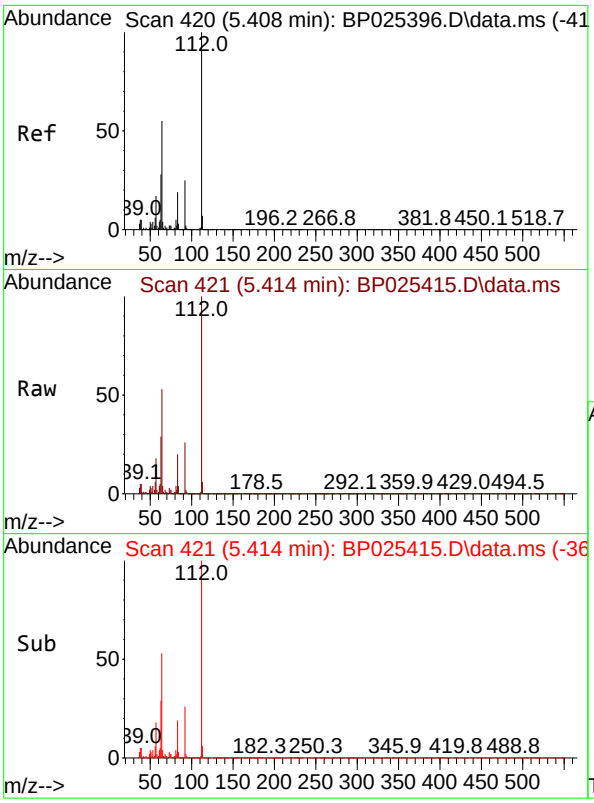


#4
n-Nitrosodimethylamine
Concen: 42.649 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 42 Resp: 171159

Ion	Ratio	Lower	Upper
42	100		
74	129.5	107.0	160.4
44	8.1	6.2	9.4



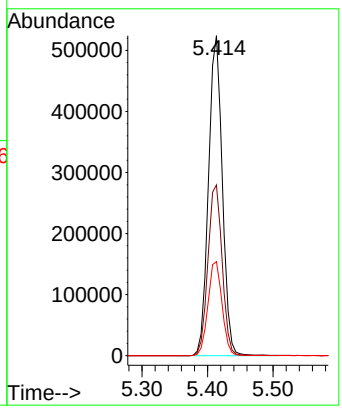


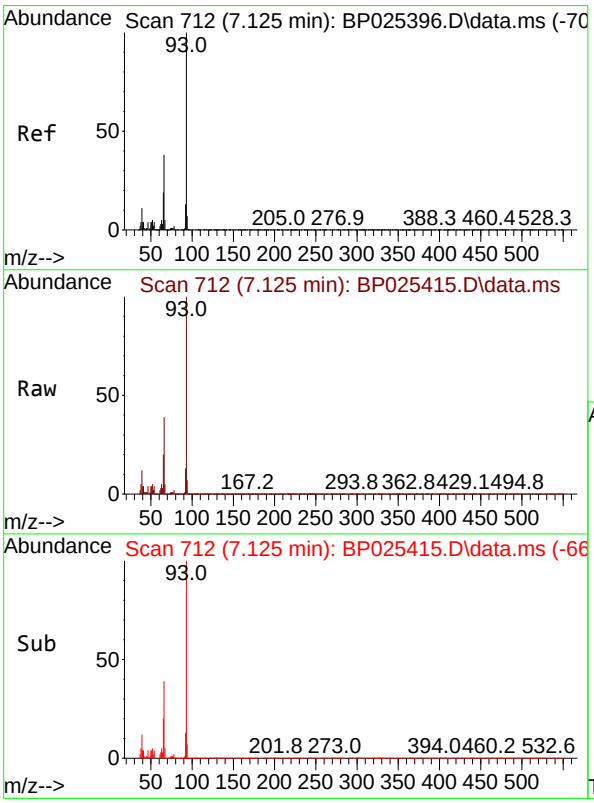
#5
2-Fluorophenol
Concen: 84.597 ng
RT: 5.414 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:112 Resp: 768113

Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.8	65.8
63	29.4	22.7	34.1

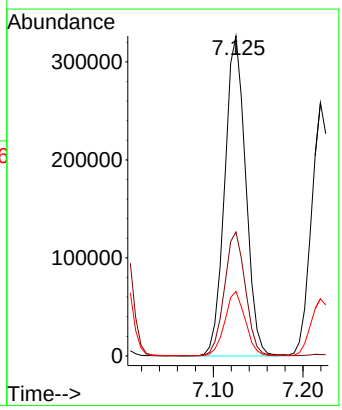


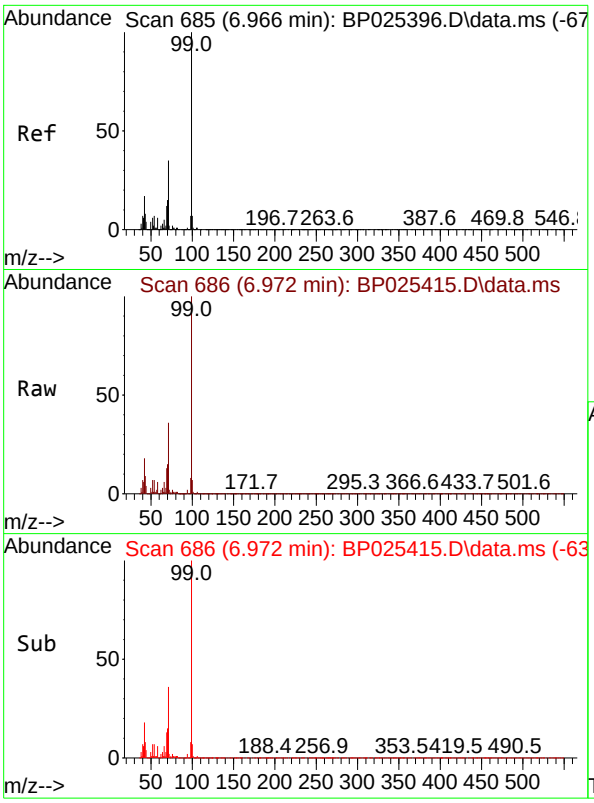


#6
Aniline
Concen: 33.694 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 93 Resp: 528462

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.4	45.6
65	20.1	15.3	22.9



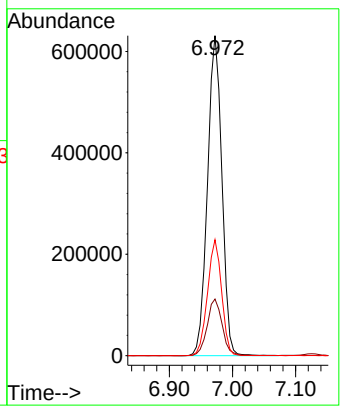


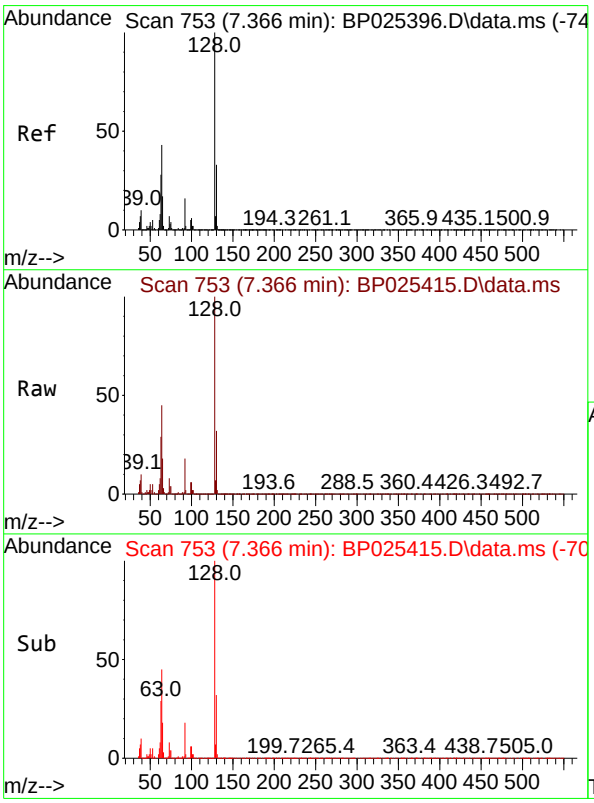
#7
Phenol-d6
Concen: 85.710 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 99 Resp: 997741

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	36.3	28.2	42.4

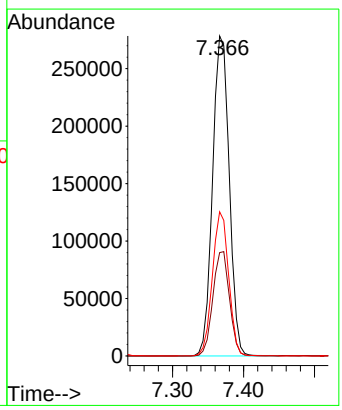


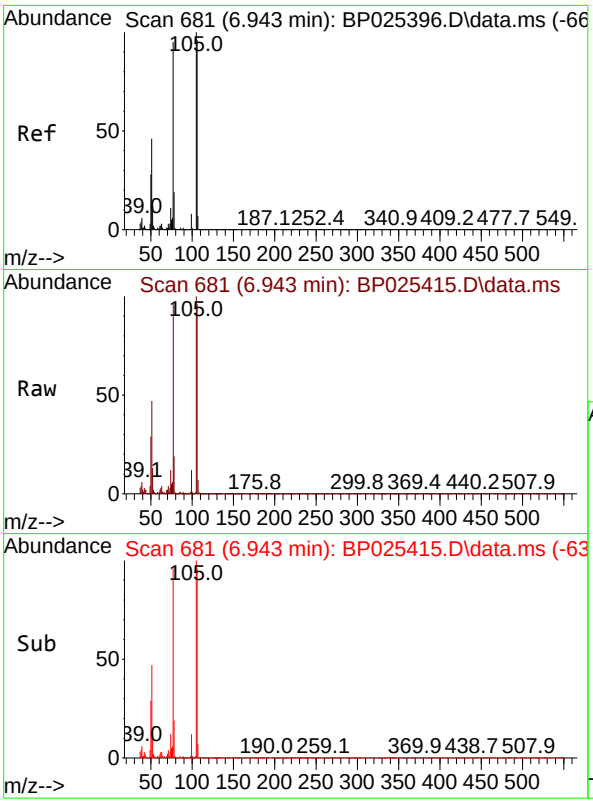


#8
2-Chlorophenol
Concen: 44.153 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:128 Resp: 452389

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.0	23.4	63.4



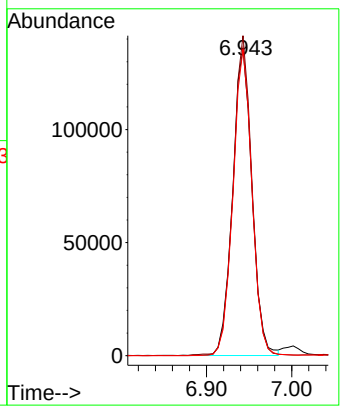


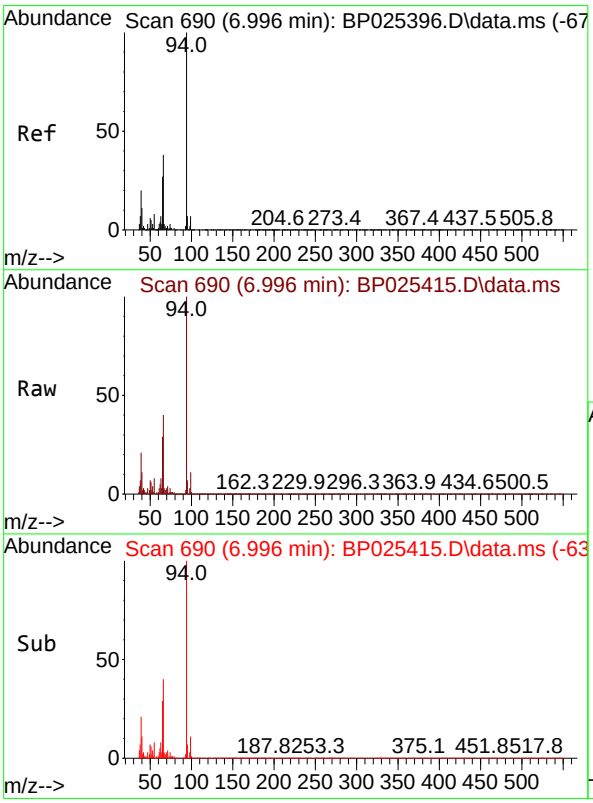
#9
Benzaldehyde
Concen: 26.286 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 77 Resp: 214385

Ion	Ratio	Lower	Upper
77	100		
105	104.1	84.8	124.8
106	99.7	80.5	120.5

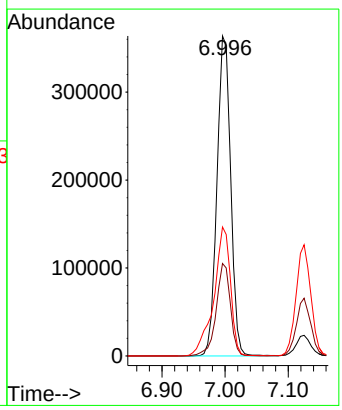


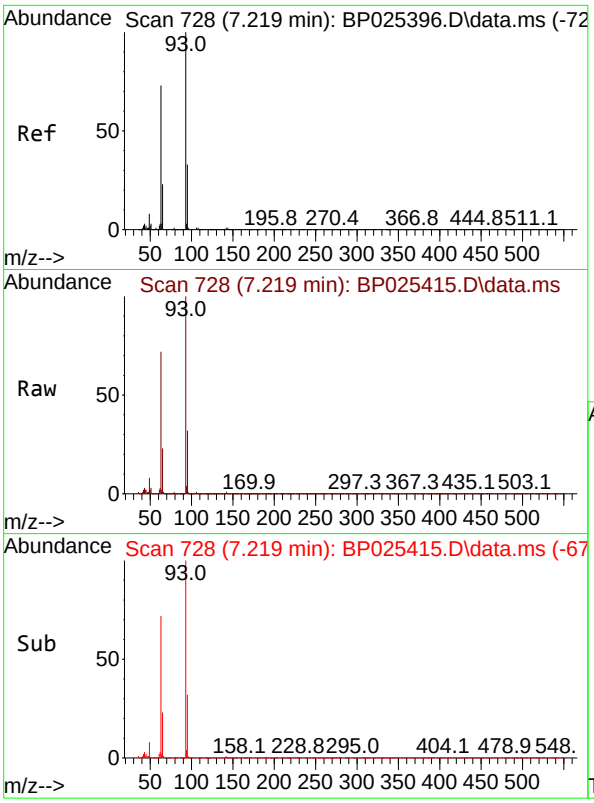


#10
Phenol
Concen: 45.048 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 94 Resp: 550261

Ion	Ratio	Lower	Upper
94	100		
65	28.9	6.8	46.8
66	40.3	18.2	58.2



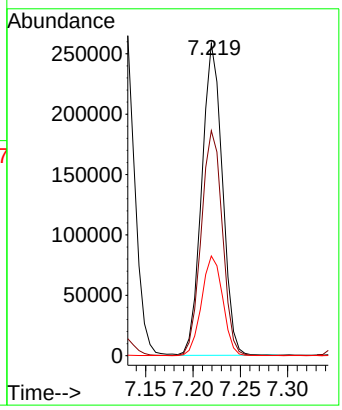


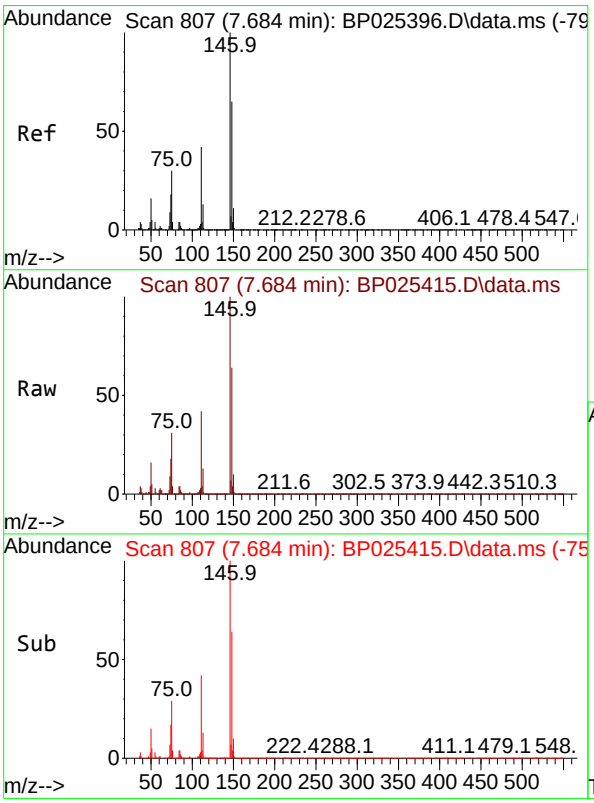
#11
bis(2-Chloroethyl)ether
Concen: 41.157 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 93 Resp: 391840

Ion	Ratio	Lower	Upper
93	100		
63	72.1	52.6	92.6
95	32.0	12.7	52.7

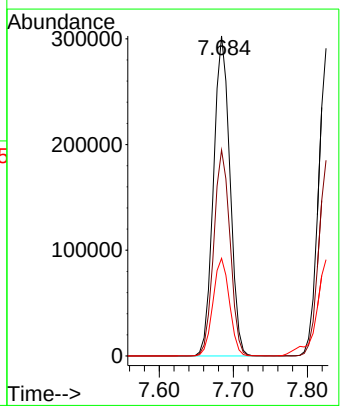


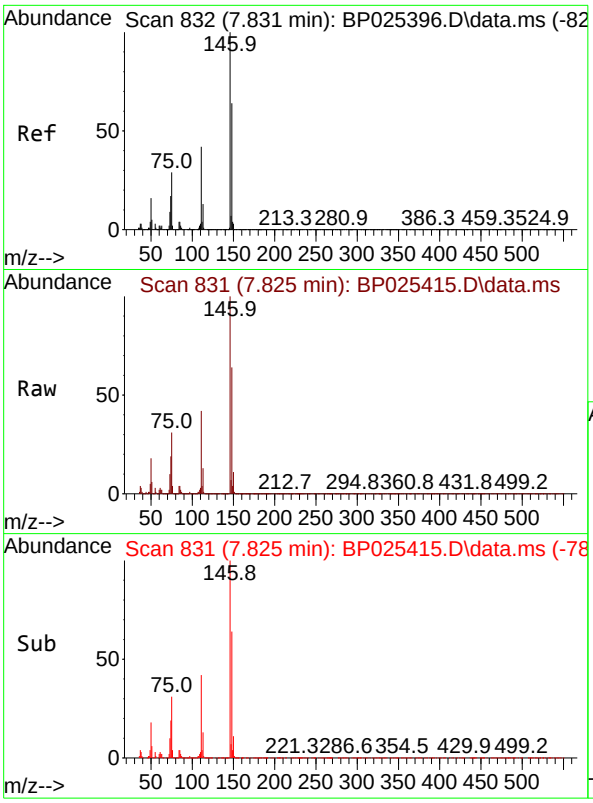


#12
1,3-Dichlorobenzene
Concen: 41.247 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:146 Resp: 466002

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	30.5	23.7	35.5



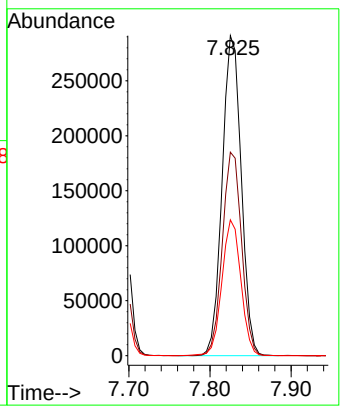


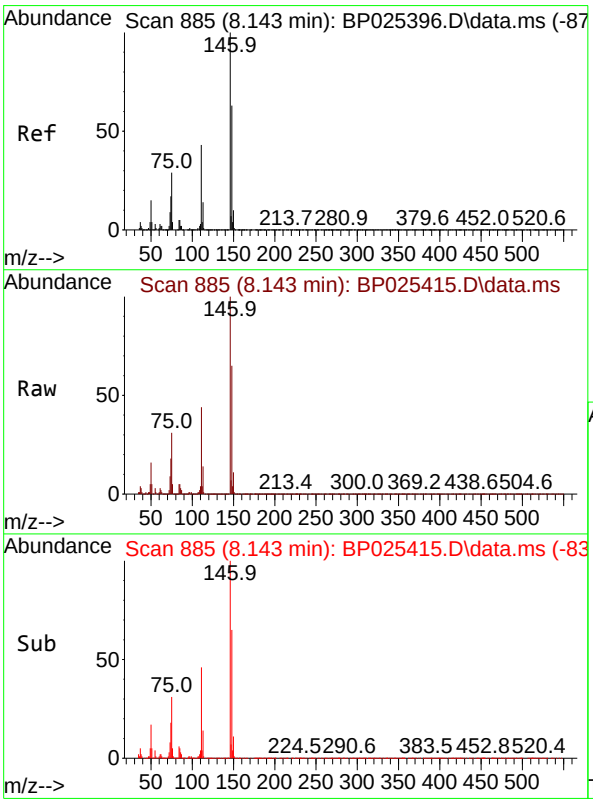
#13
1,4-Dichlorobenzene
Concen: 41.179 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:146 Resp: 475529

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	42.5	33.4	50.0

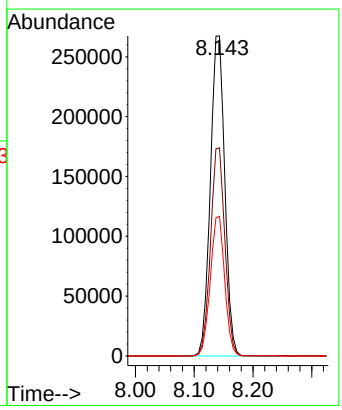


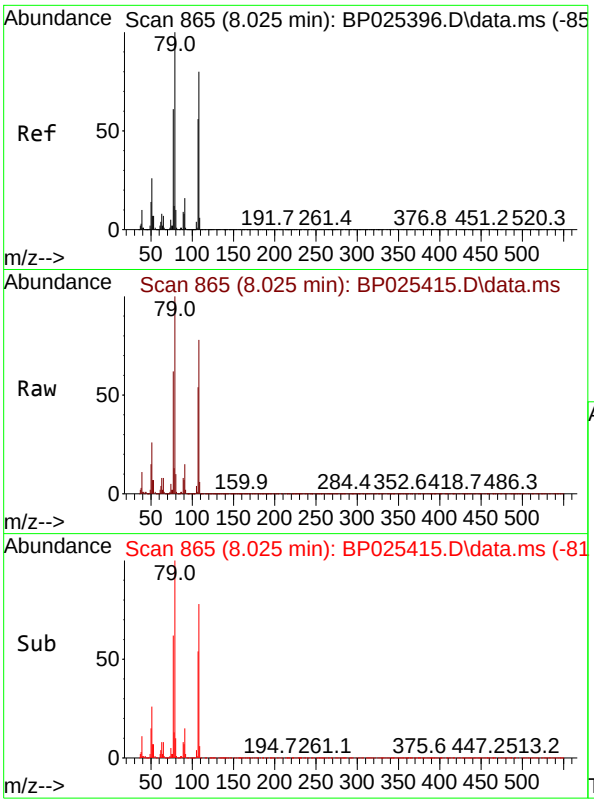


#14
1,2-Dichlorobenzene
Concen: 40.725 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:146 Resp: 455238

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.4	75.6
111	43.6	34.5	51.7



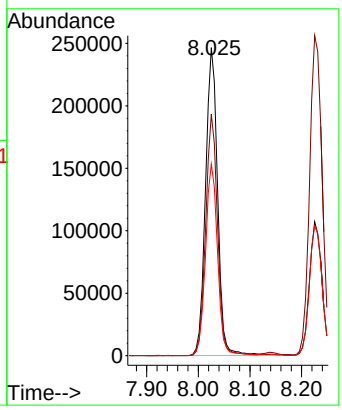


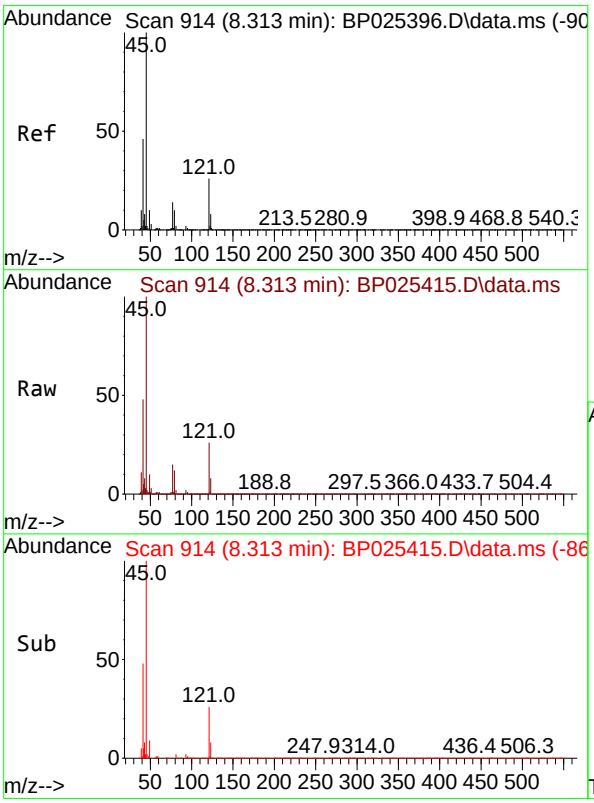
#15
Benzyl Alcohol
Concen: 43.261 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 79 Resp: 400142

Ion	Ratio	Lower	Upper
79	100		
108	78.4	63.8	95.6
77	62.2	49.0	73.4

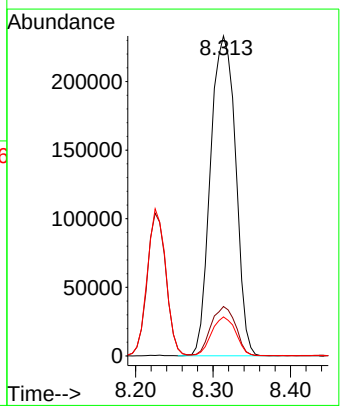


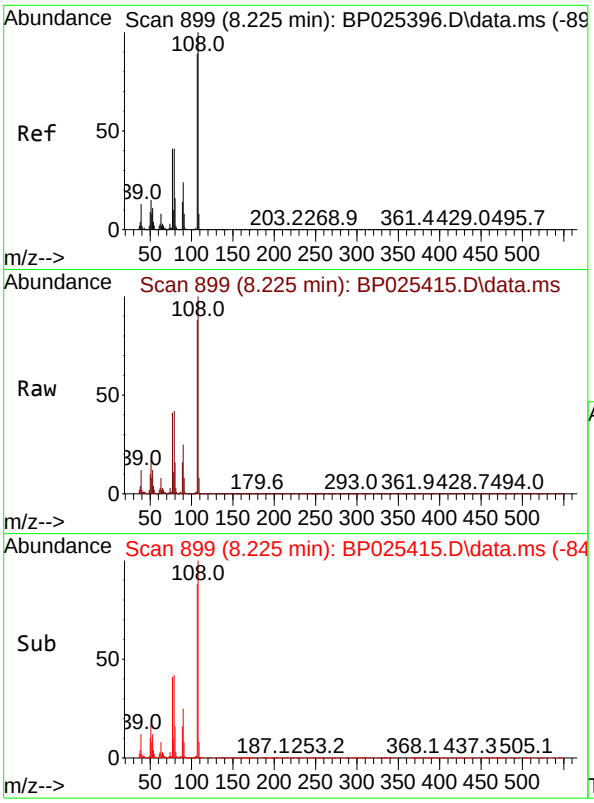


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.117 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 45 Resp: 524406

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.3
79	12.2	0.0	31.8



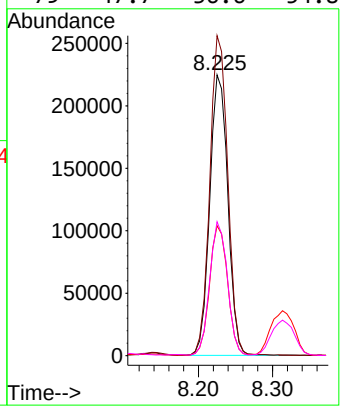


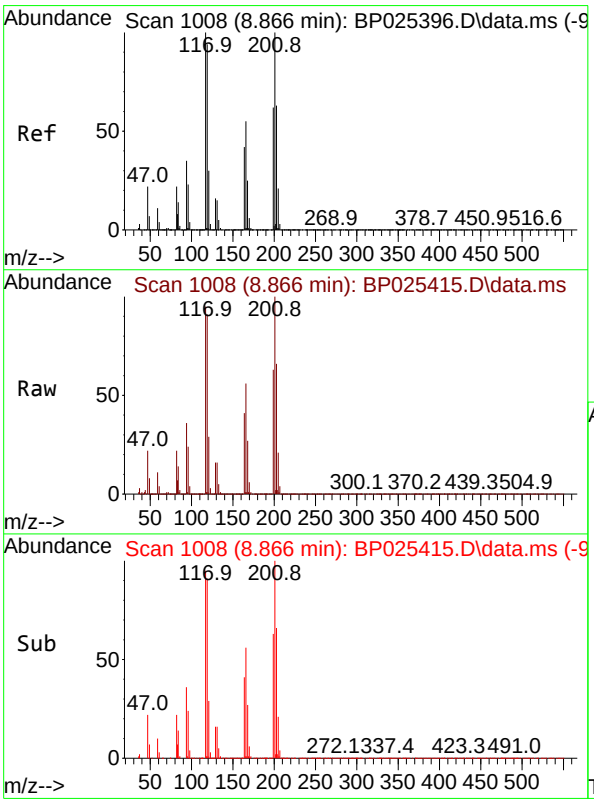
#17
2-Methylphenol
Concen: 44.780 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:107 Resp: 379896

Ion	Ratio	Lower	Upper
107	100		
108	114.0	89.4	134.0
77	46.3	36.3	54.5
79	47.7	36.6	54.8

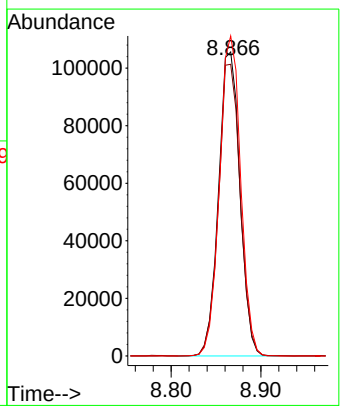


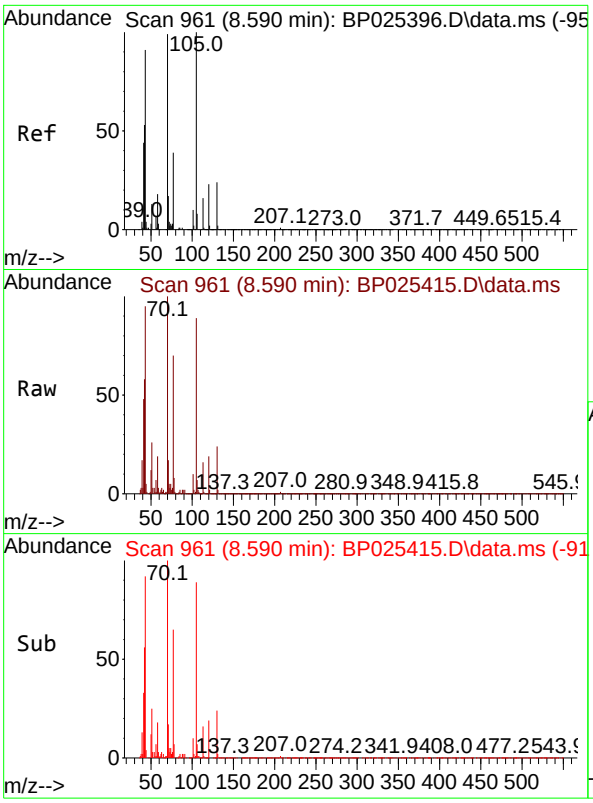


#18
Hexachloroethane
Concen: 41.089 ng
RT: 8.866 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:117 Resp: 174455

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.1	112.7
201	105.2	80.1	120.1



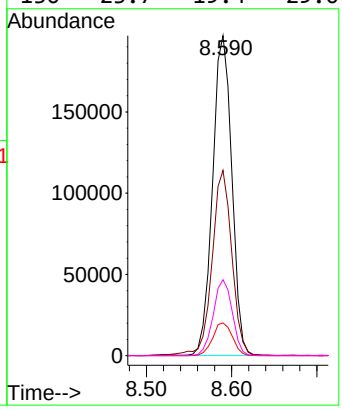


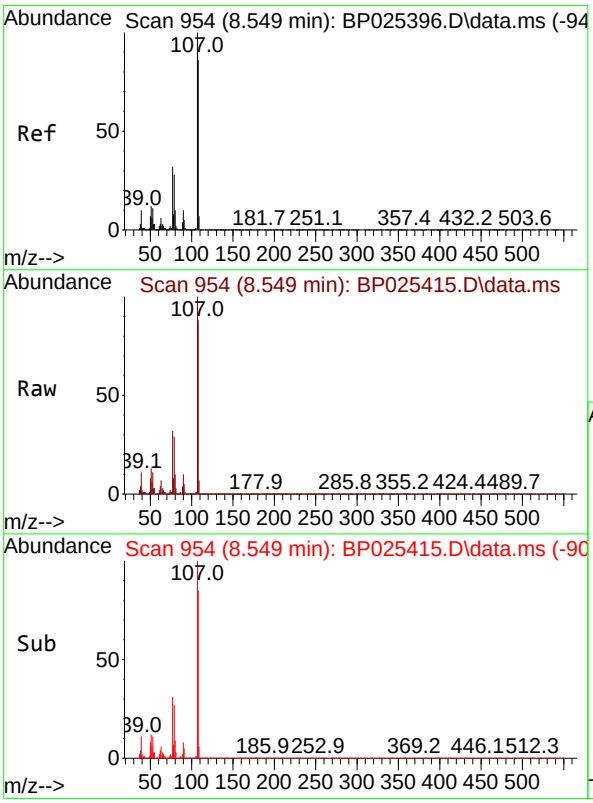
#19
n-Nitroso-di-n-propylamine
Concen: 40.032 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 70 Resp: 308676

Ion	Ratio	Lower	Upper
70	100		
42	57.9	43.8	65.6
101	10.3	8.5	12.7
130	23.7	19.4	29.0

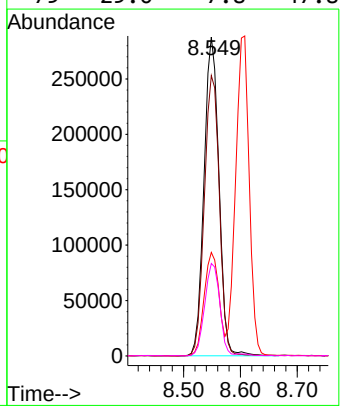


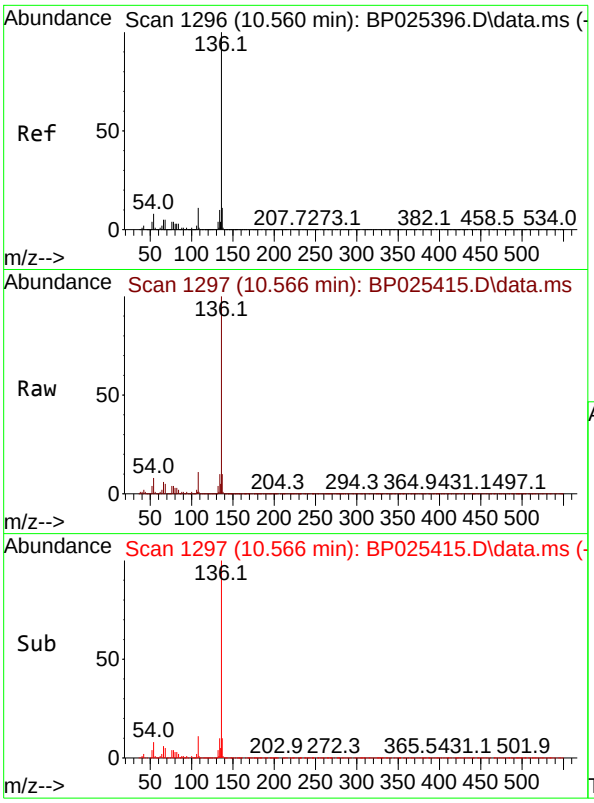


#20
3+4-Methylphenols
Concen: 44.480 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:107 Resp: 523056

Ion	Ratio	Lower	Upper
107	100		
108	87.9	66.3	106.3
77	32.5	12.3	52.3
79	29.0	7.8	47.8



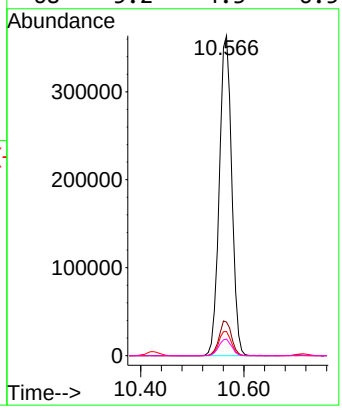


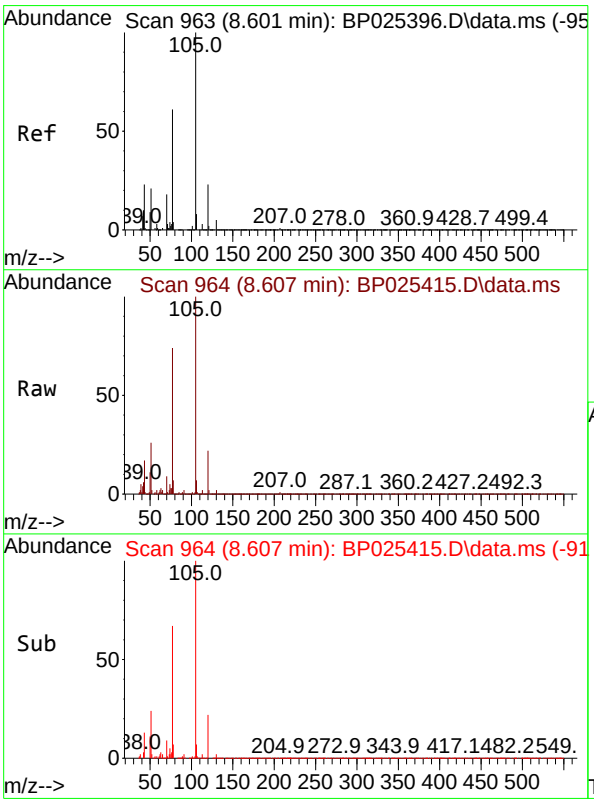
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:136 Resp: 605832

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.5	6.0	9.0
68	5.2	4.3	6.5

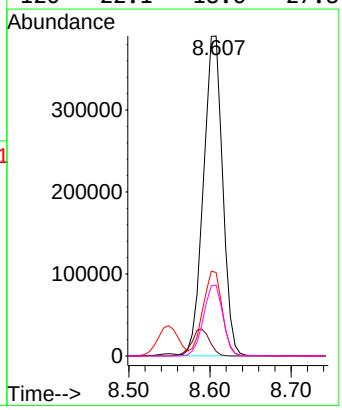


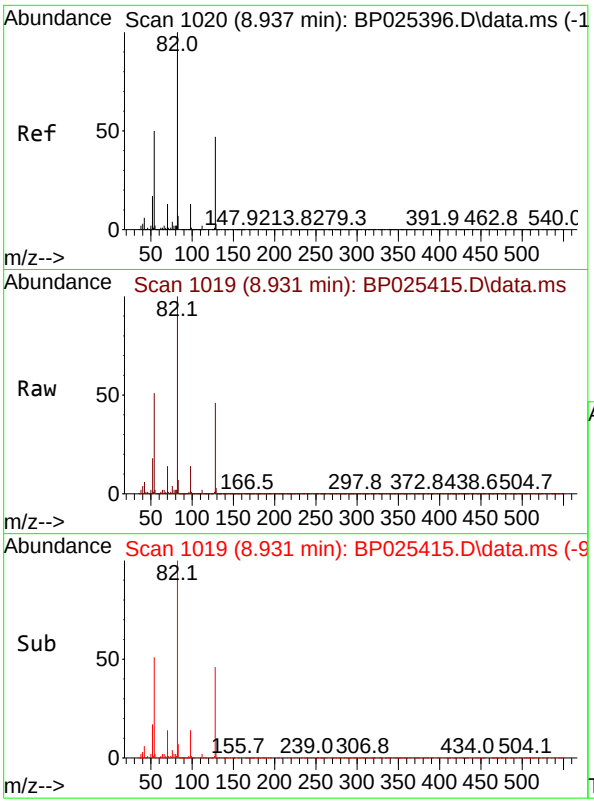


#22
Acetophenone
Concen: 42.059 ng
RT: 8.607 min Scan# 964
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:105 Resp: 638997

Ion	Ratio	Lower	Upper
105	100		
71	1.4	2.6	4.0#
51	26.1	20.6	30.8
120	22.1	18.6	27.8



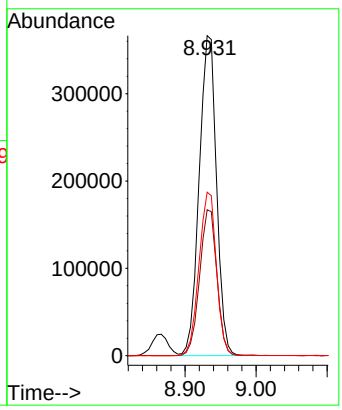


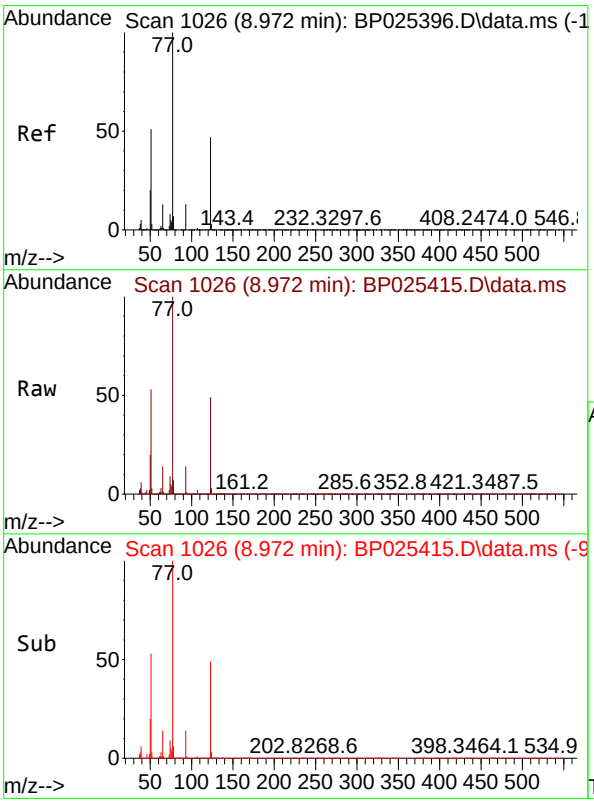
#23
Nitrobenzene-d5
Concen: 51.912 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 82 Resp: 621723

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.7	56.5
54	51.1	39.8	59.6

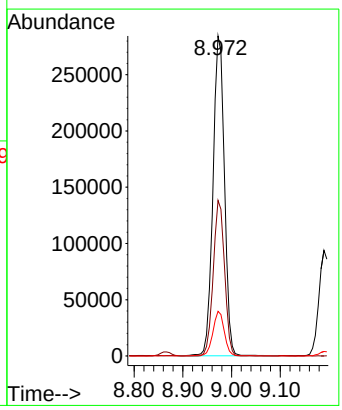


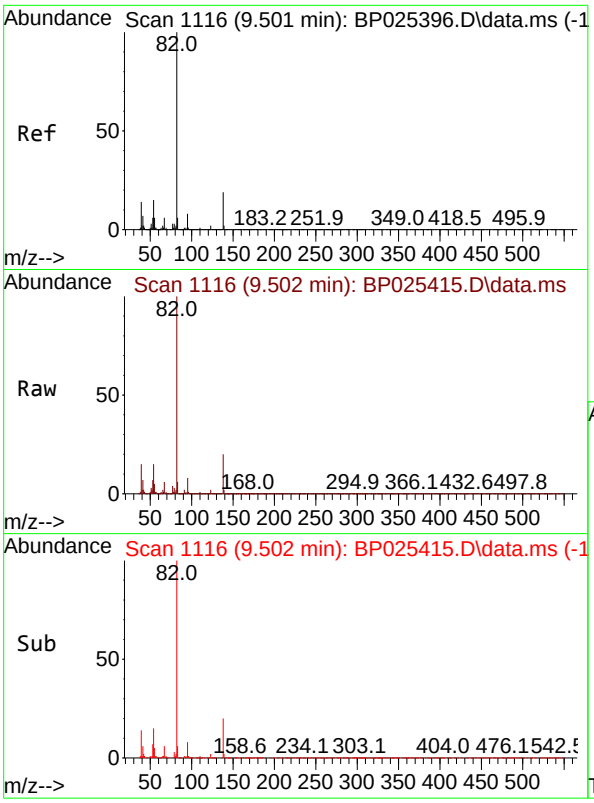


#24
Nitrobenzene
Concen: 43.258 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 77 Resp: 463016

Ion	Ratio	Lower	Upper
77	100		
123	48.6	38.6	58.0
65	14.0	10.6	15.8



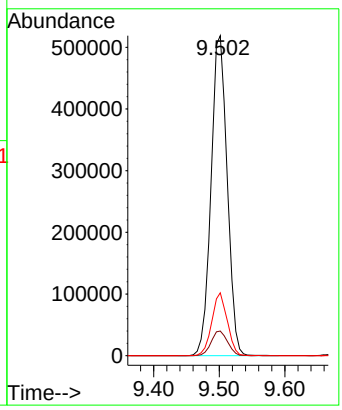


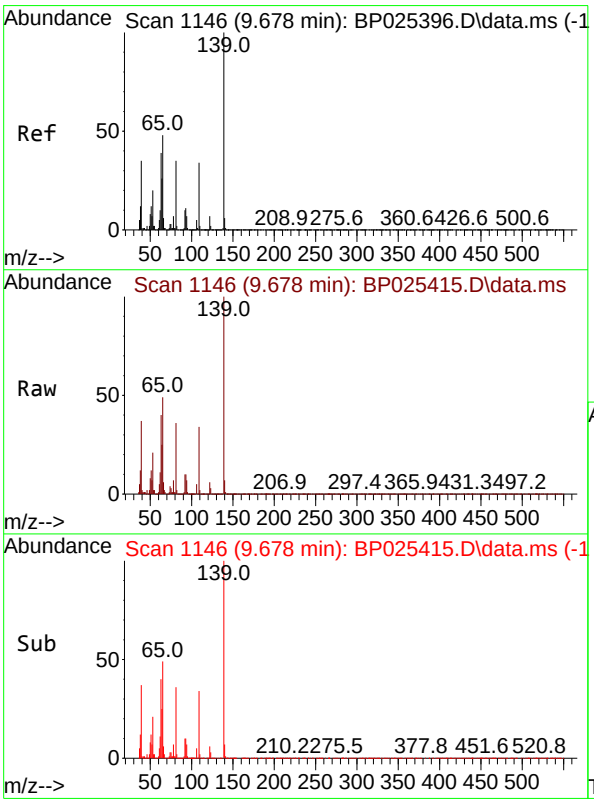
#25
Isophorone
Concen: 41.831 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 82 Resp: 886621

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	19.7	15.4	23.0

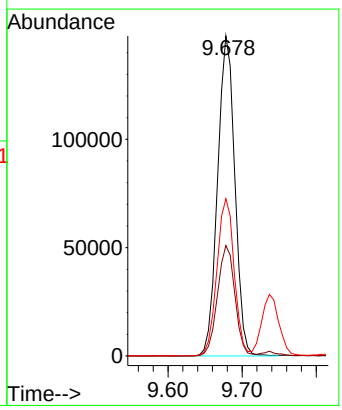


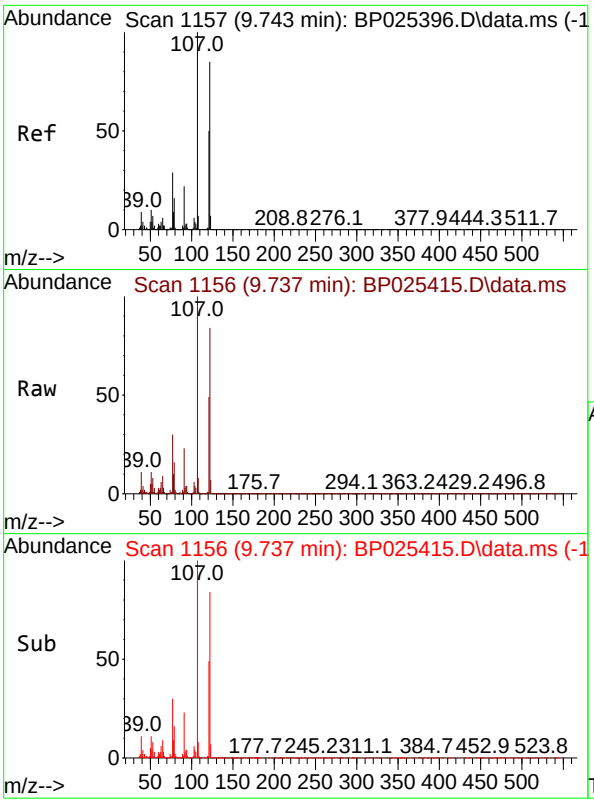


#26
2-Nitrophenol
Concen: 43.463 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:139 Resp: 238745

Ion	Ratio	Lower	Upper
139	100		
109	34.5	26.9	40.3
65	49.1	38.3	57.5



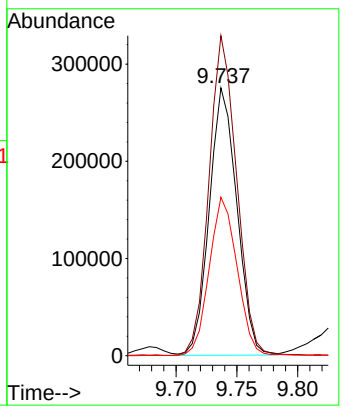


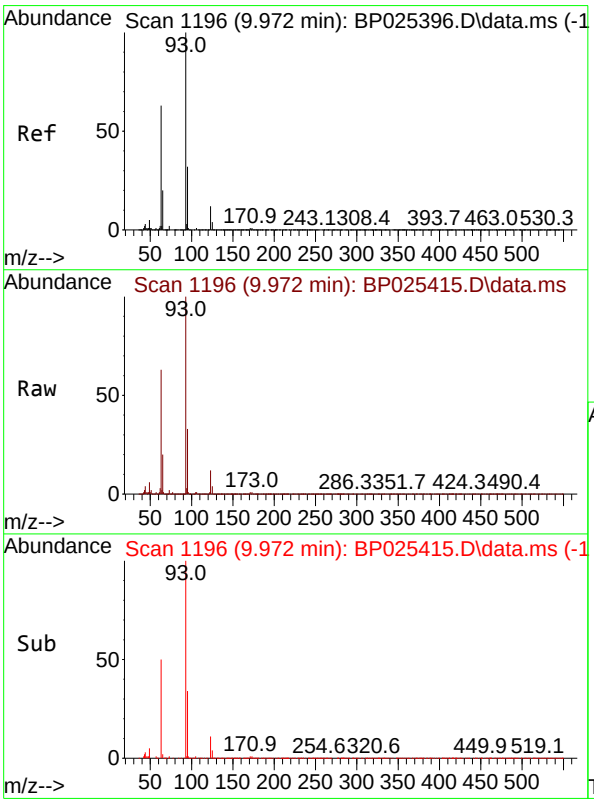
#27
2,4-Dimethylphenol
Concen: 45.989 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:122 Resp: 434435

Ion	Ratio	Lower	Upper
122	100		
107	119.5	93.7	140.5
121	59.1	46.6	69.8

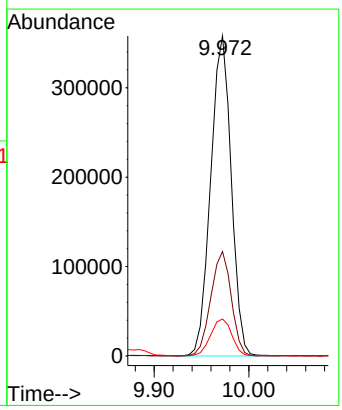


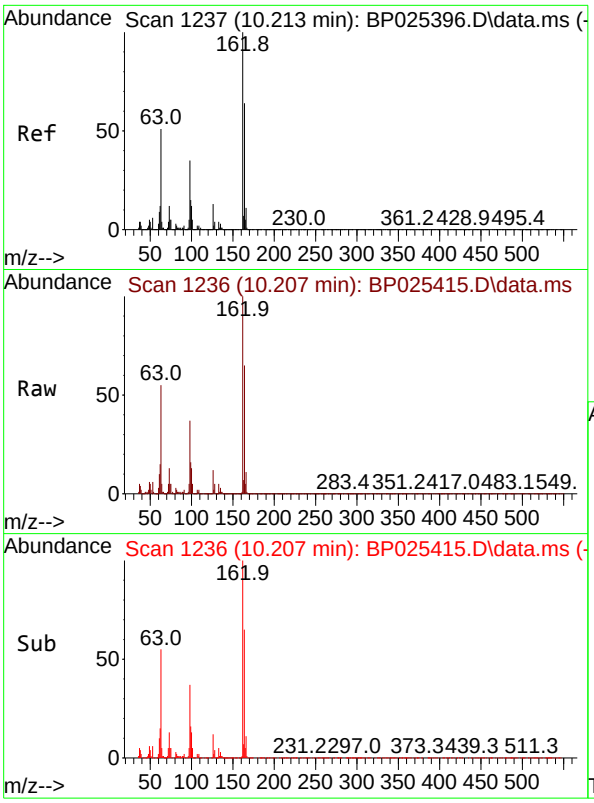


#28
bis(2-Chloroethoxy)methane
Concen: 42.224 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 93 Resp: 540971

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	11.5	9.4	14.0



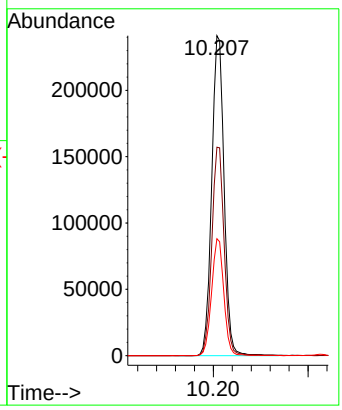


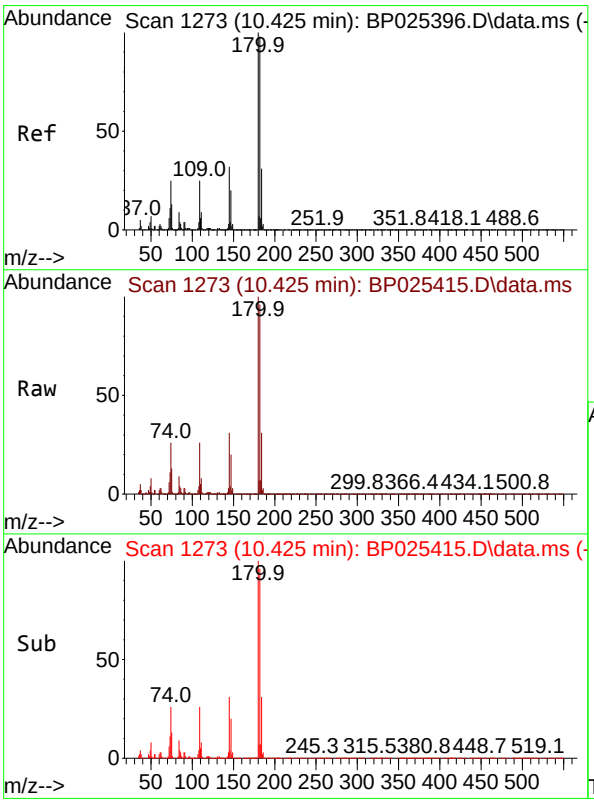
#29
2,4-Dichlorophenol
Concen: 46.651 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:162 Resp: 437774

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.4	84.4
98	36.6	14.9	54.9

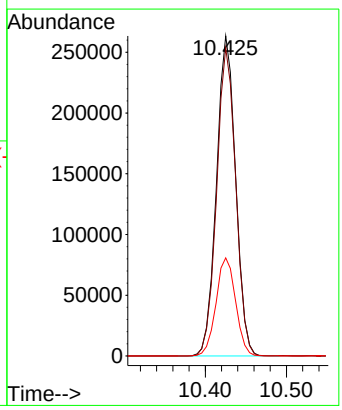


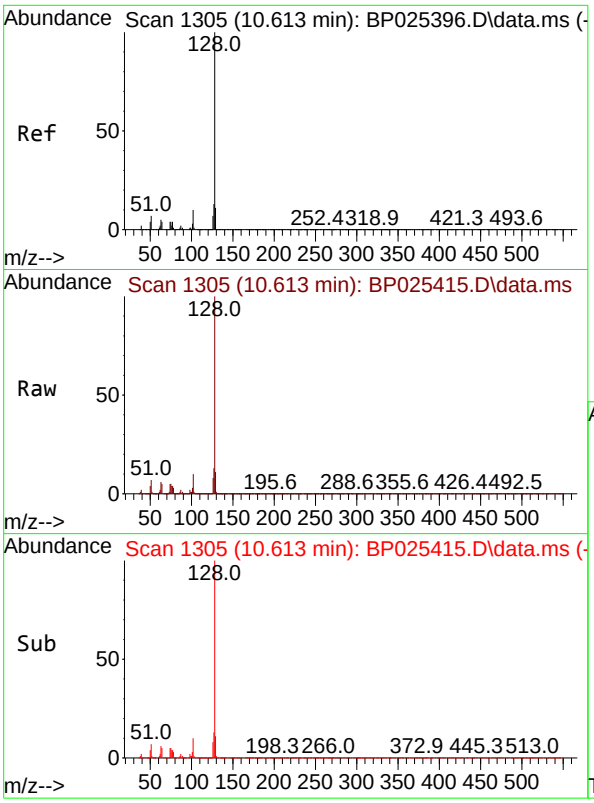


#30
1,2,4-Trichlorobenzene
Concen: 42.105 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:180 Resp: 433129

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.0	117.0
145	30.7	25.9	38.9



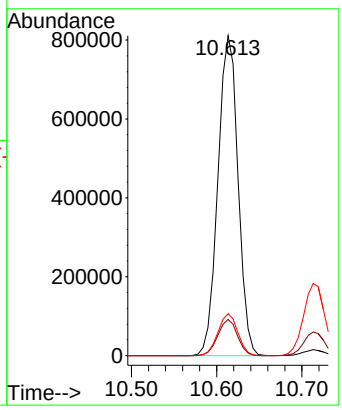


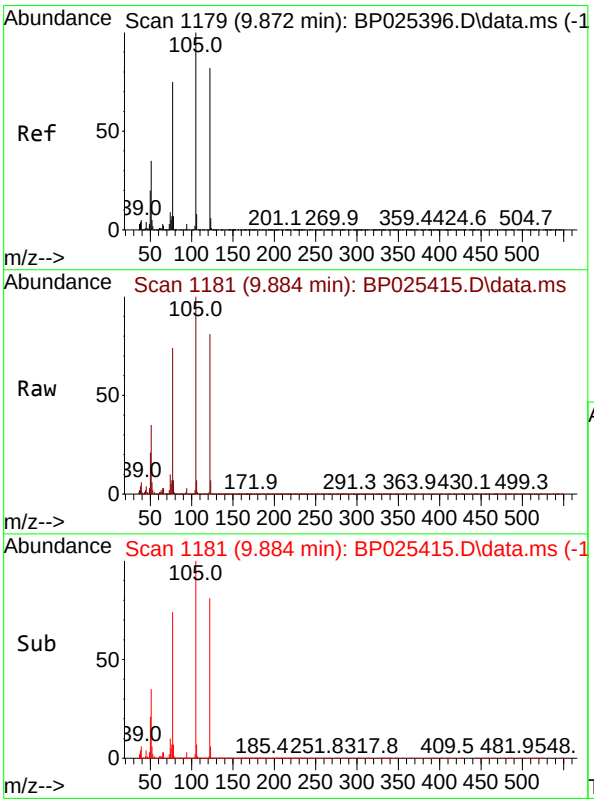
#31
Naphthalene
Concen: 42.238 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:128 Resp: 1330005

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.1	10.7	16.1

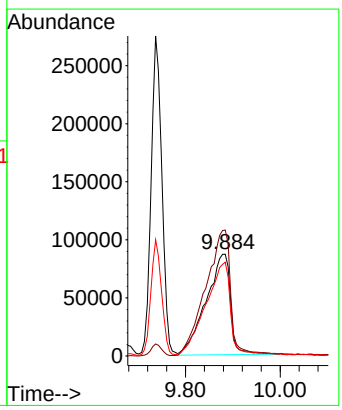


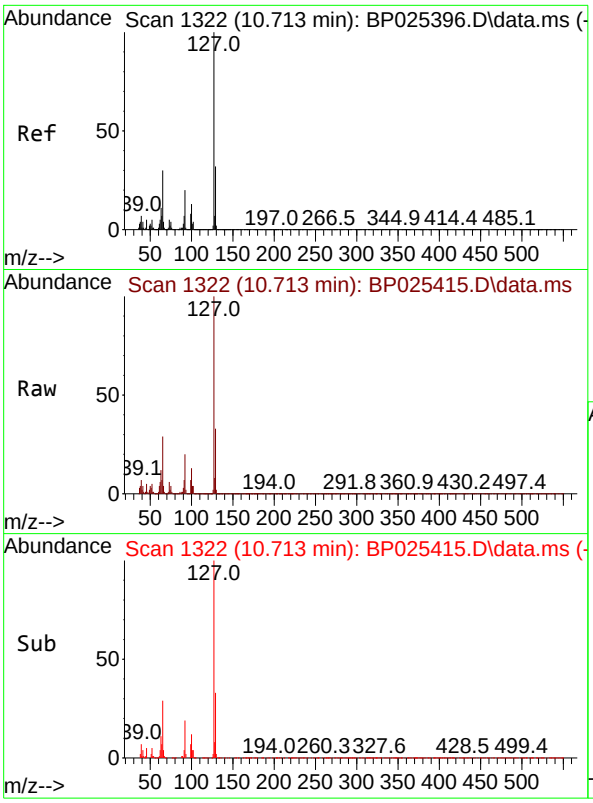


#32
Benzoic acid
Concen: 44.638 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:122 Resp: 311312

Ion	Ratio	Lower	Upper
122	100		
105	123.6	100.6	140.6
77	92.0	71.5	111.5



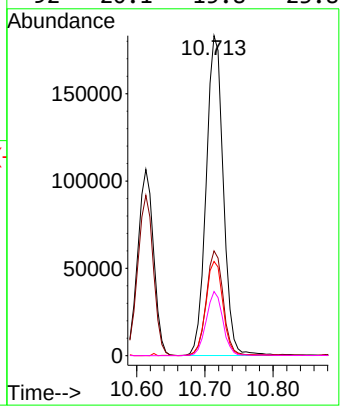


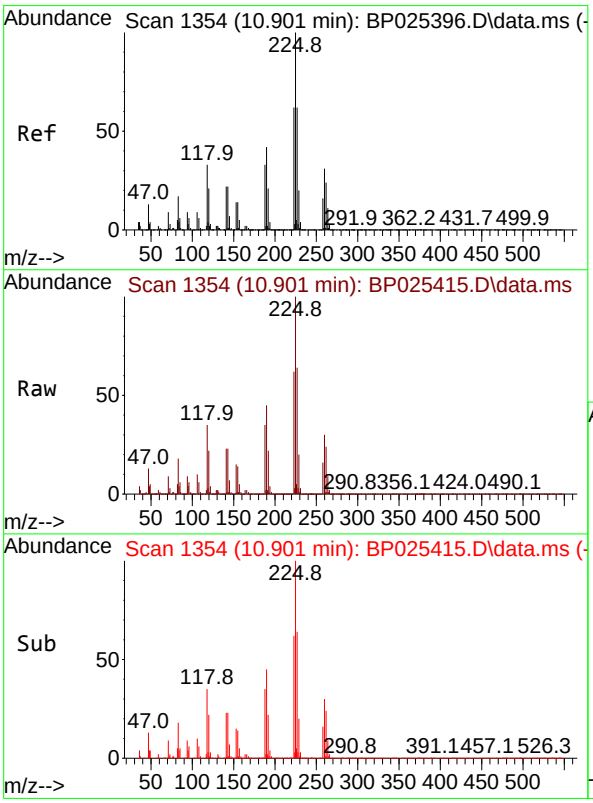
#33
4-Chloroaniline
Concen: 23.081 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:127 Resp: 321033

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2
65	29.5	23.8	35.6
92	20.1	15.8	23.8

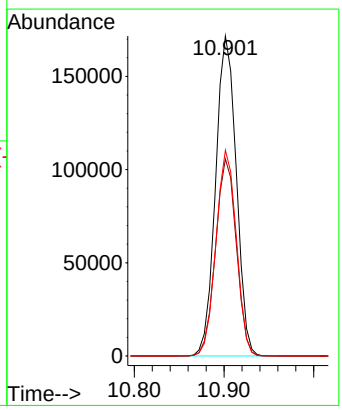


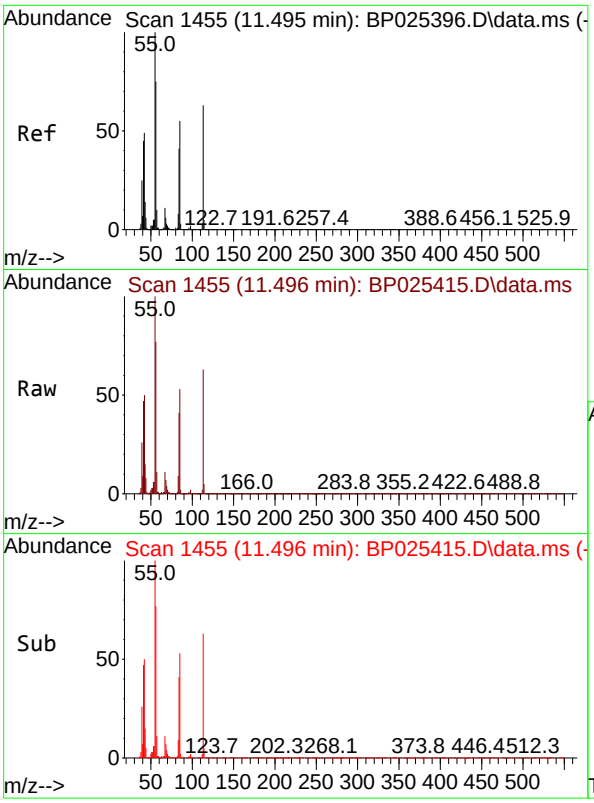


#34
Hexachlorobutadiene
Concen: 42.806 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:225 Resp: 274233

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.0	75.0
227	64.3	49.7	74.5



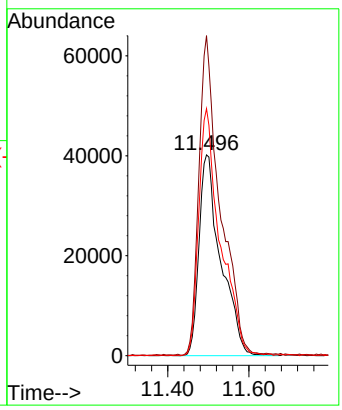


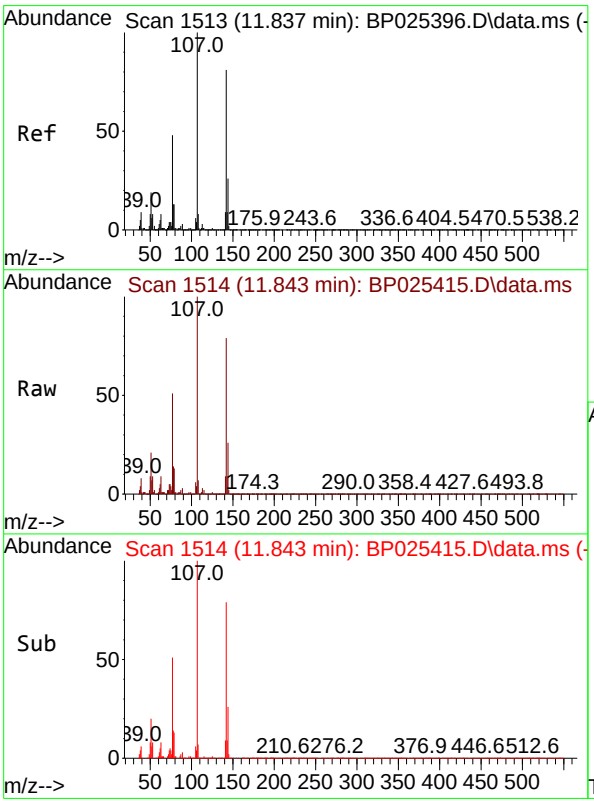
#35
Caprolactam
Concen: 43.572 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:113 Resp: 149929

Ion	Ratio	Lower	Upper
113	100		
55	159.4	140.0	180.0
56	123.0	100.0	140.0

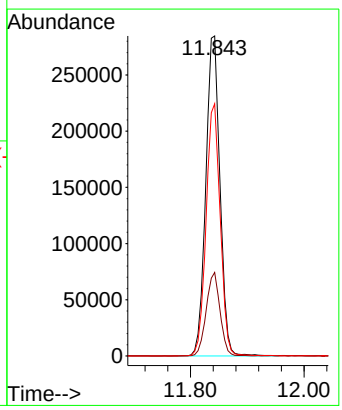


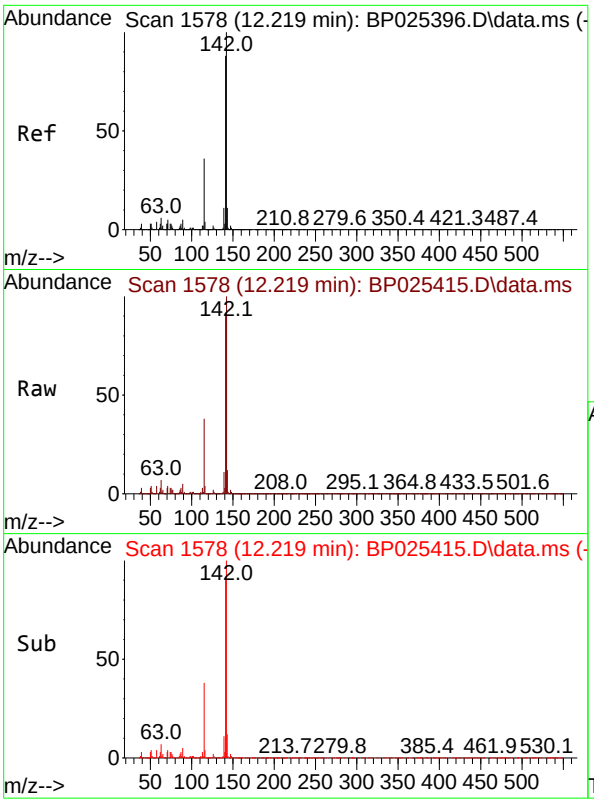


#36
4-Chloro-3-methylphenol
Concen: 45.638 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:107 Resp: 491428

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	78.8	64.6	97.0



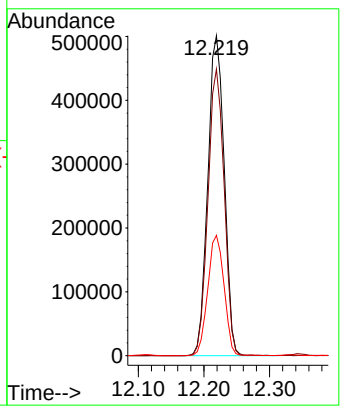


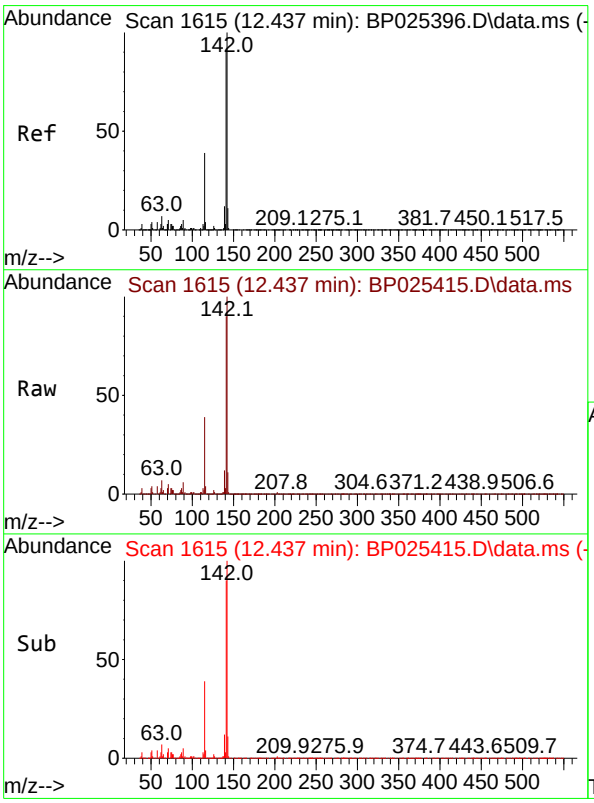
#37
2-Methylnaphthalene
Concen: 42.539 ng
RT: 12.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:142 Resp: 871694

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.3	105.5
115	37.6	28.9	43.3

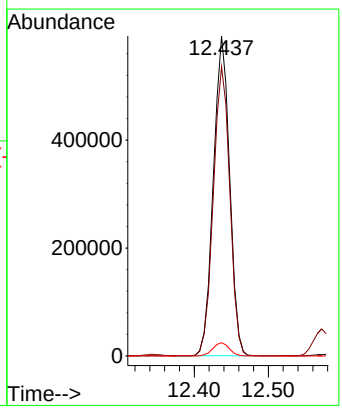


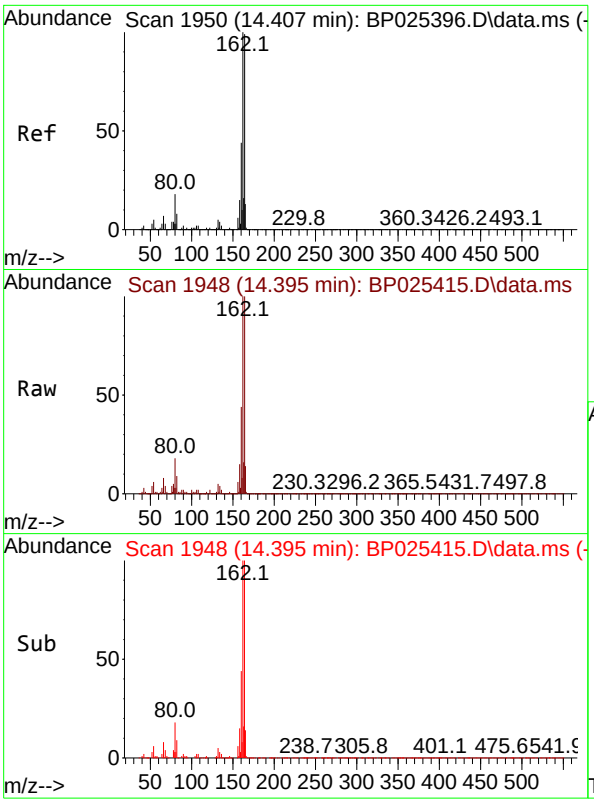


#38
1-Methylnaphthalene
Concen: 41.432 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:142 Resp: 902892

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.1	109.7
116	4.2	3.2	4.8



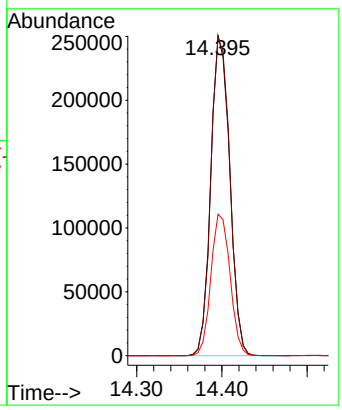


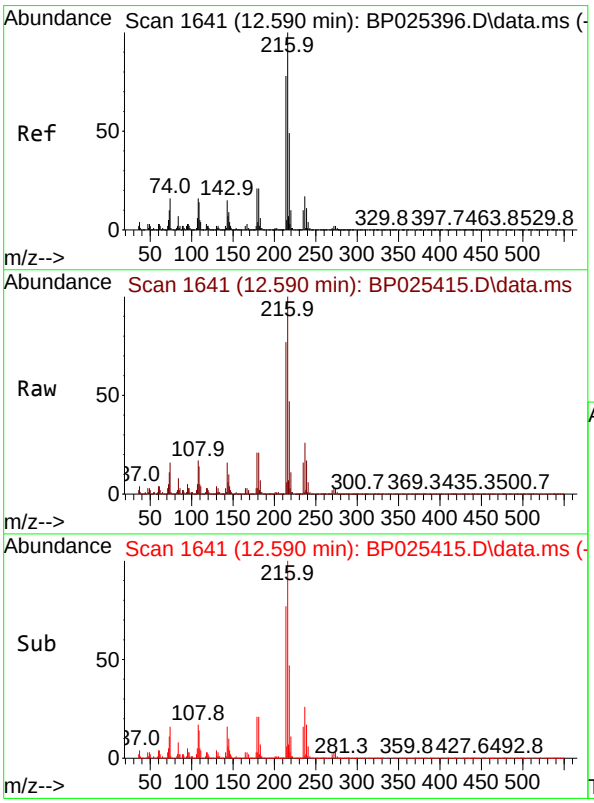
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:164 Resp: 386320

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.2	35.4	53.2

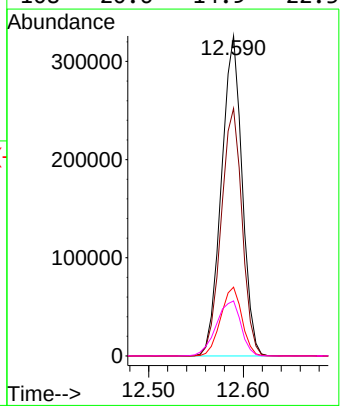


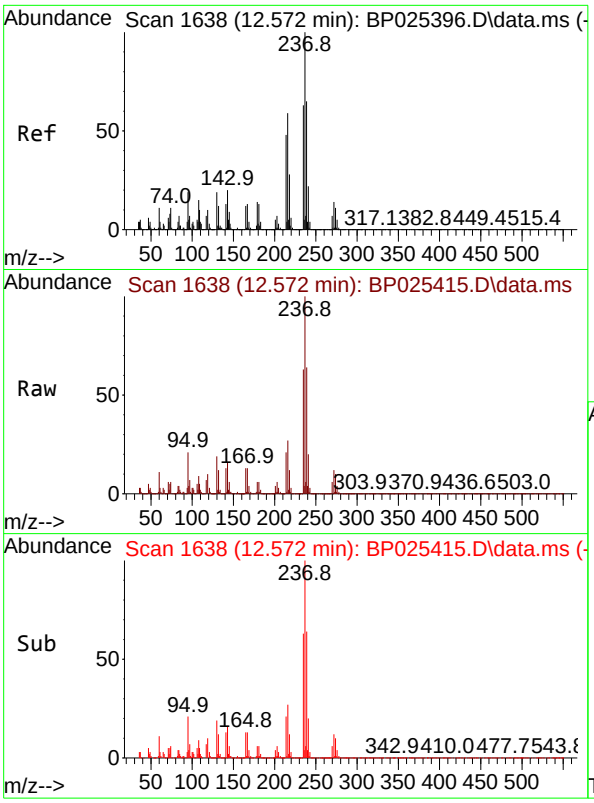


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.368 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:216 Resp: 495028

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	22.0	17.1	25.7
108	20.6	14.9	22.3



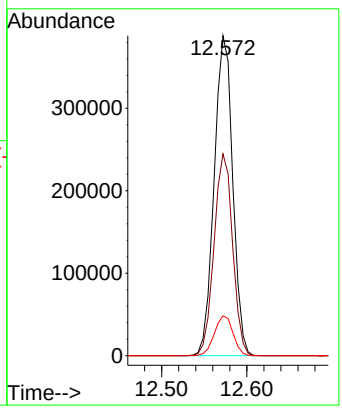


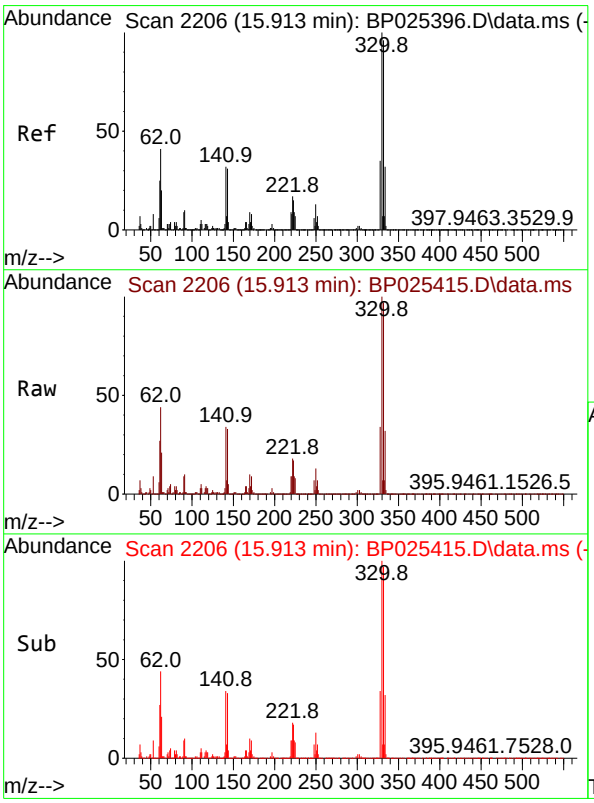
#41
Hexachlorocyclopentadiene
Concen: 87.099 ng
RT: 12.572 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:237 Resp: 587000

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.7	82.7
272	12.4	0.0	34.0

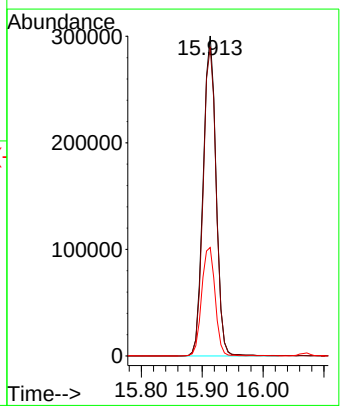


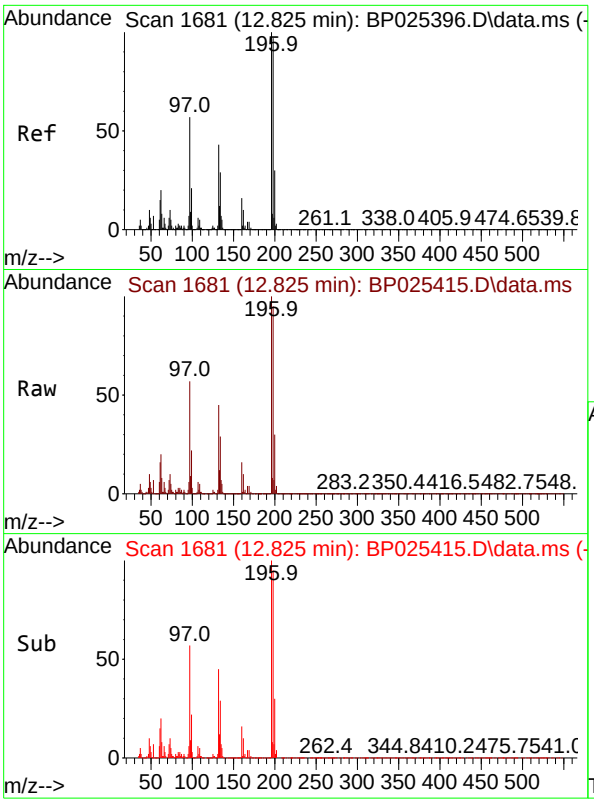


#42
2,4,6-Tribromophenol
Concen: 84.833 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:330 Resp: 441123

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	35.4	26.6	39.8



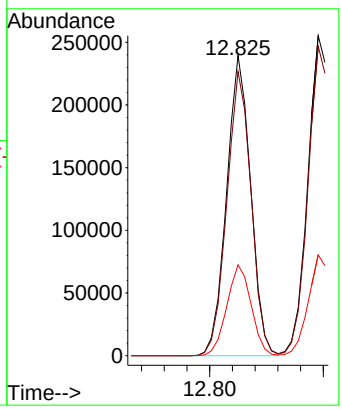


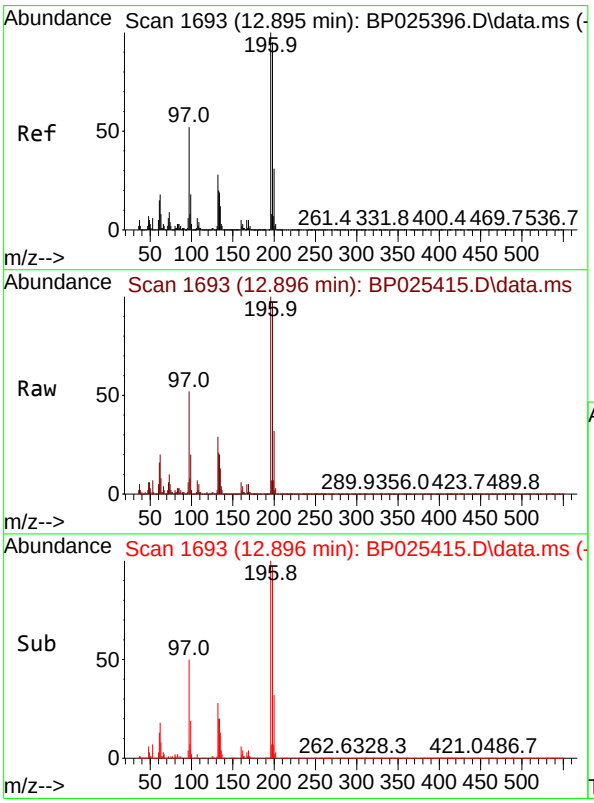
#43
2,4,6-Trichlorophenol
Concen: 46.764 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:196 Resp: 352250

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.2	115.8
200	30.3	23.9	35.9

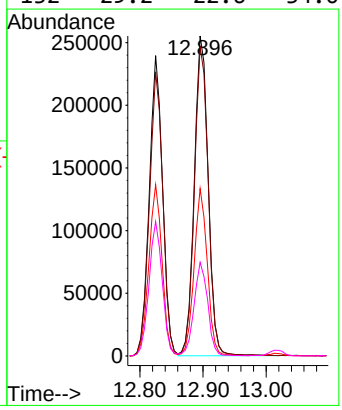


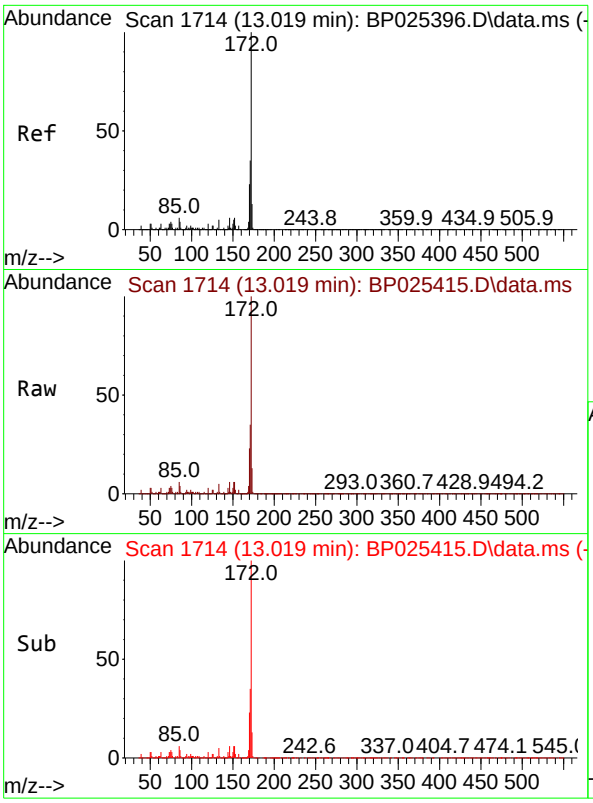


#44
2,4,5-Trichlorophenol
Concen: 47.317 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:196 Resp: 390615

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.2	114.2
97	52.3	41.2	61.8
132	29.2	22.6	34.0



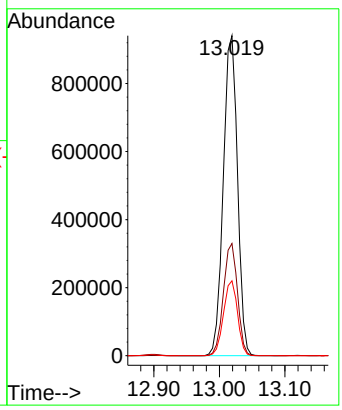


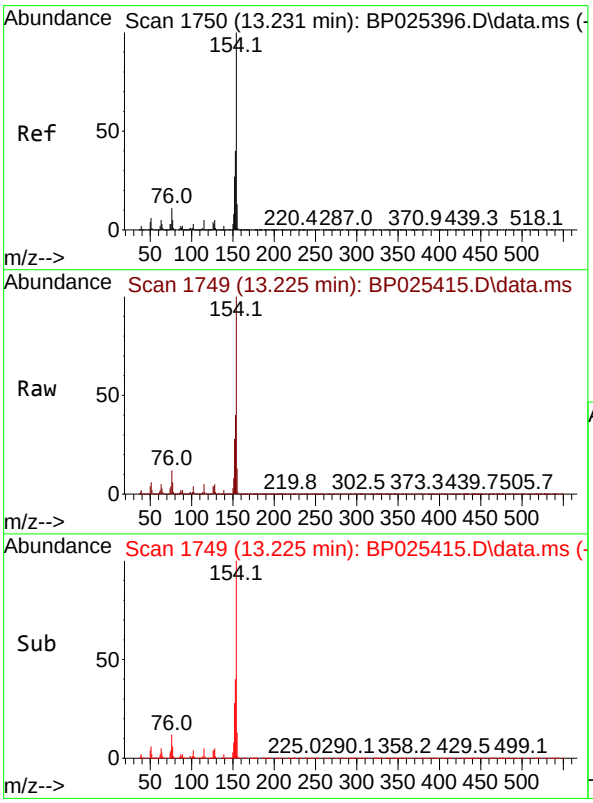
#45
2-Fluorobiphenyl
Concen: 49.758 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:172 Resp: 1406520

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0

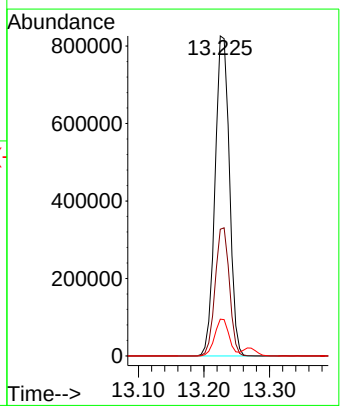


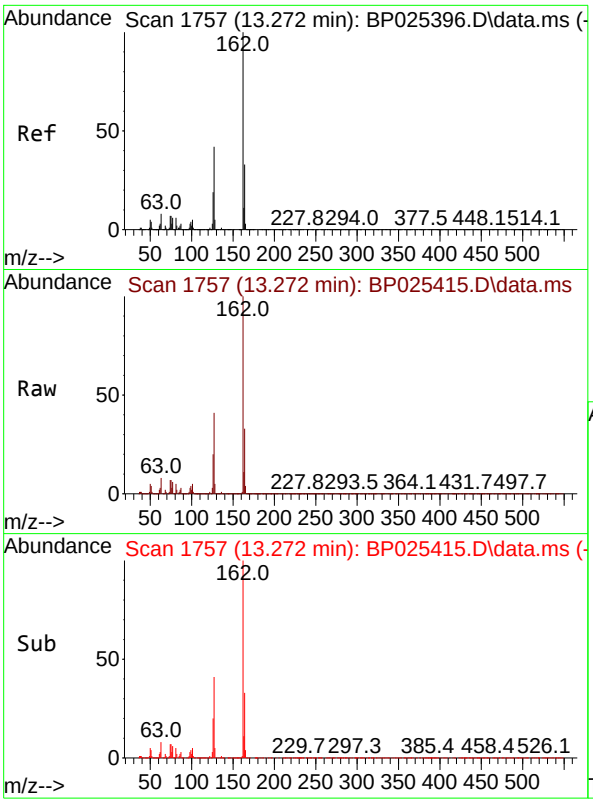


#46
1,1'-Biphenyl
Concen: 44.583 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:154 Resp: 1250868

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.5	59.5
76	11.5	0.0	31.1



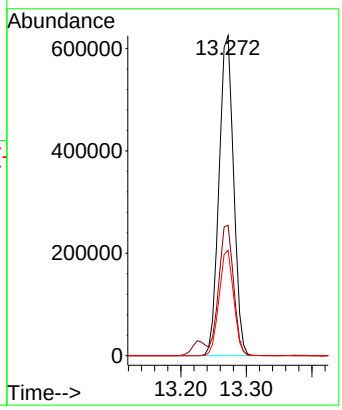


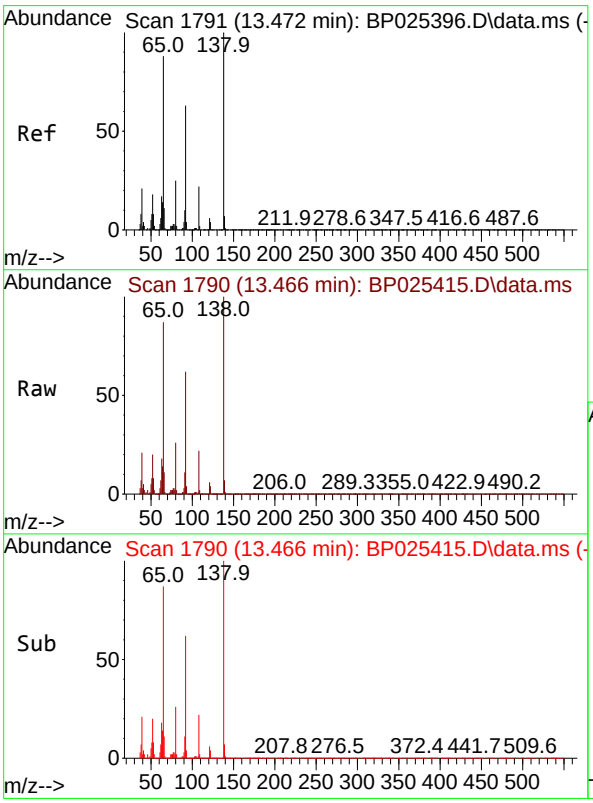
#47
2-Chloronaphthalene
Concen: 44.103 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:162 Resp: 963302

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.4	50.2
164	32.9	26.2	39.2

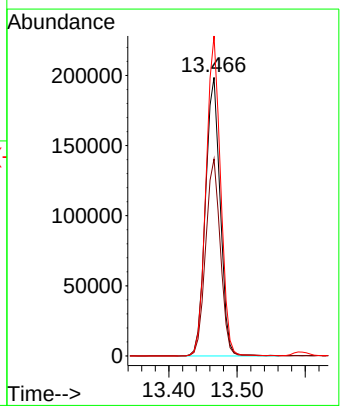


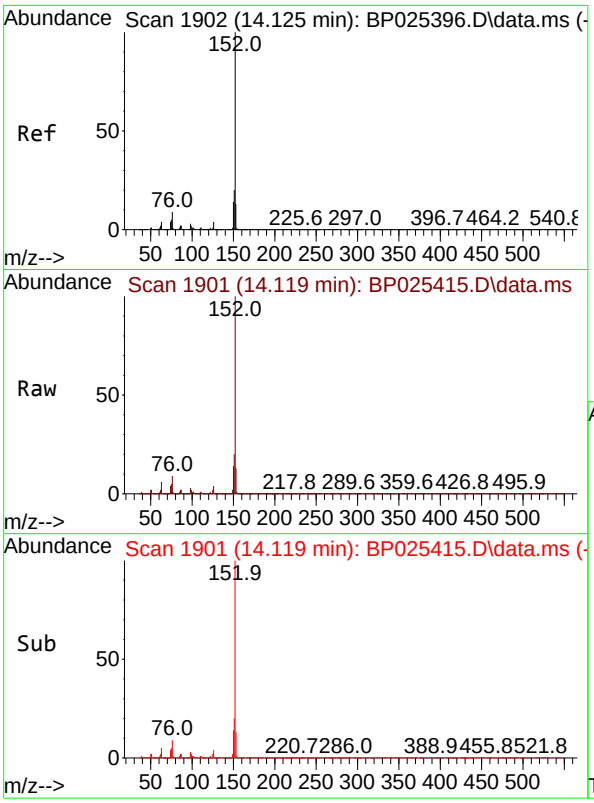


#48
2-Nitroaniline
Concen: 46.787 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion: 65 Resp: 297760

Ion	Ratio	Lower	Upper
65	100		
92	70.7	57.6	86.4
138	114.9	91.0	136.6



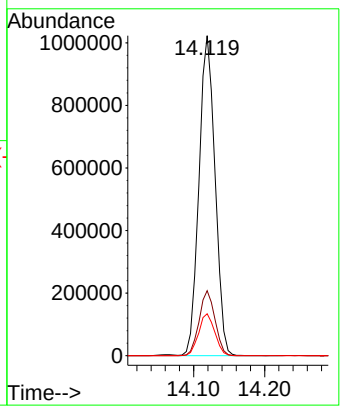


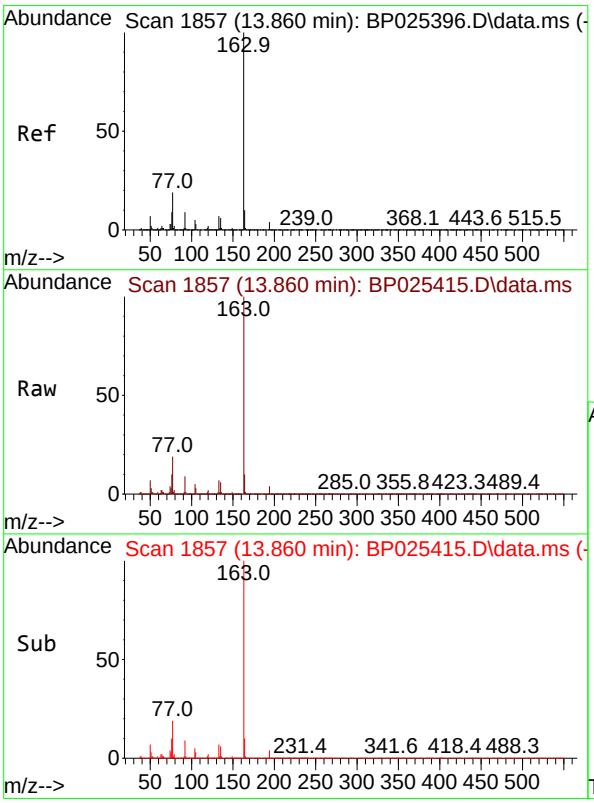
#49
Acenaphthylene
Concen: 44.601 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:152 Resp: 1611999

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.1	10.6	15.8

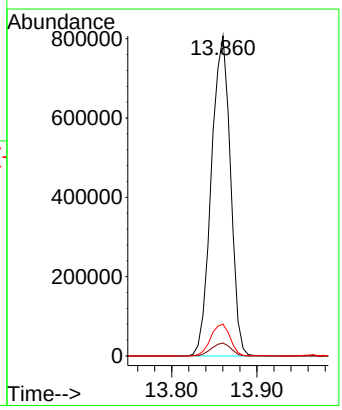


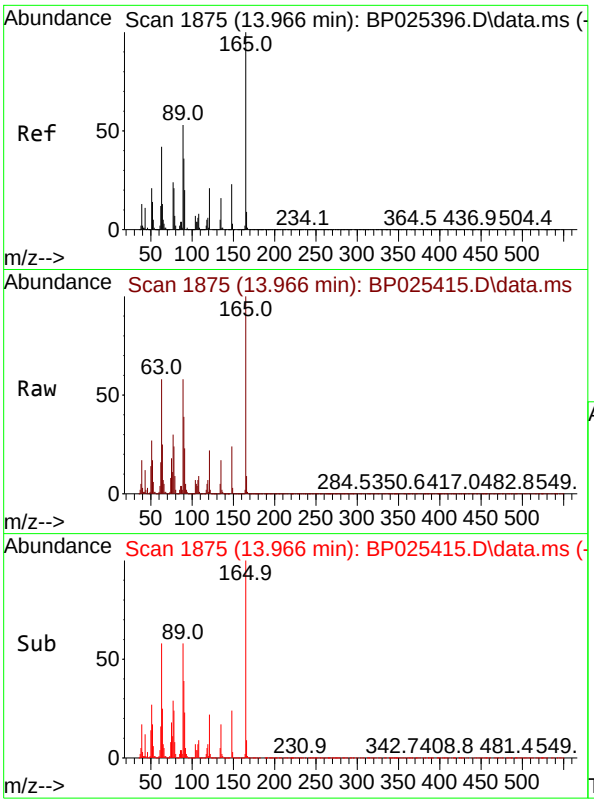


#50
Dimethylphthalate
Concen: 44.335 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:163 Resp: 1254219

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	7.9	11.9



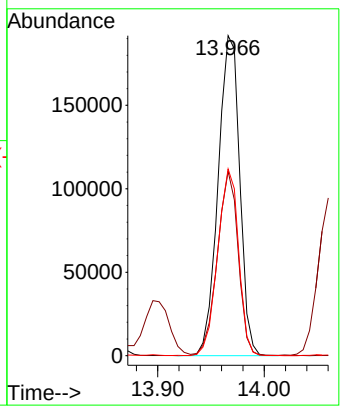


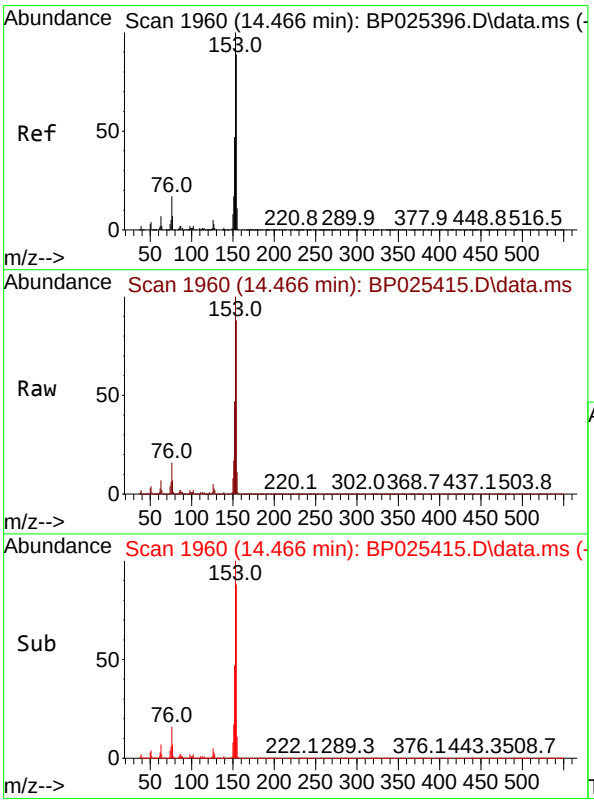
#51
2,6-Dinitrotoluene
Concen: 45.226 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:165 Resp: 269670

Ion	Ratio	Lower	Upper
165	100		
63	57.6	40.9	61.3
89	58.4	42.1	63.1

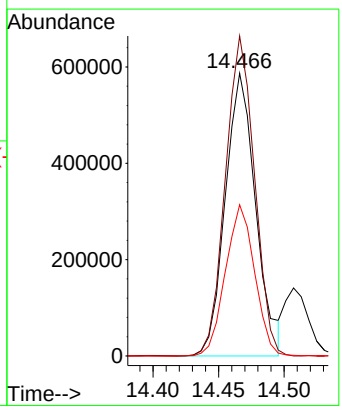


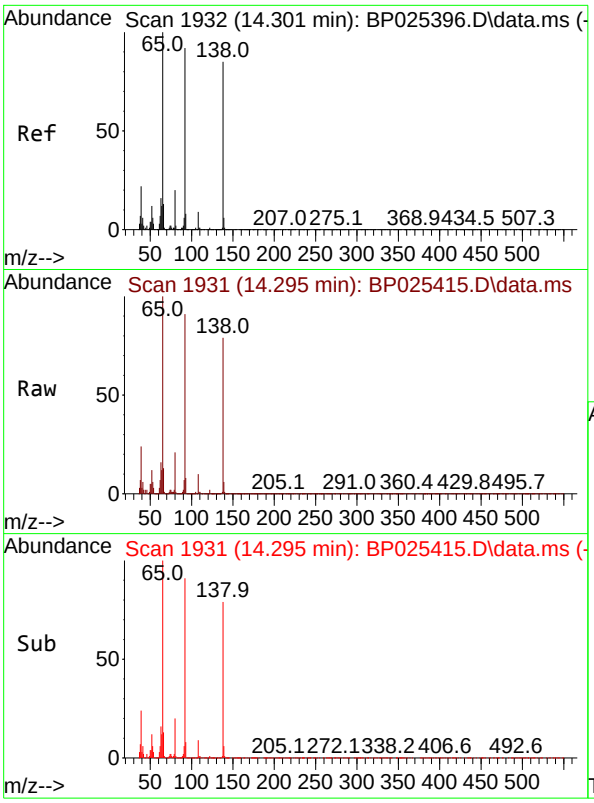


#52
Acenaphthene
Concen: 44.752 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:154 Resp: 949405

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.2	135.2
152	53.5	42.1	63.1



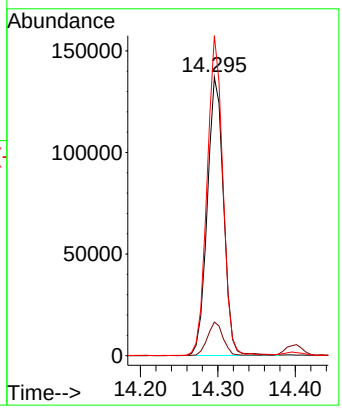


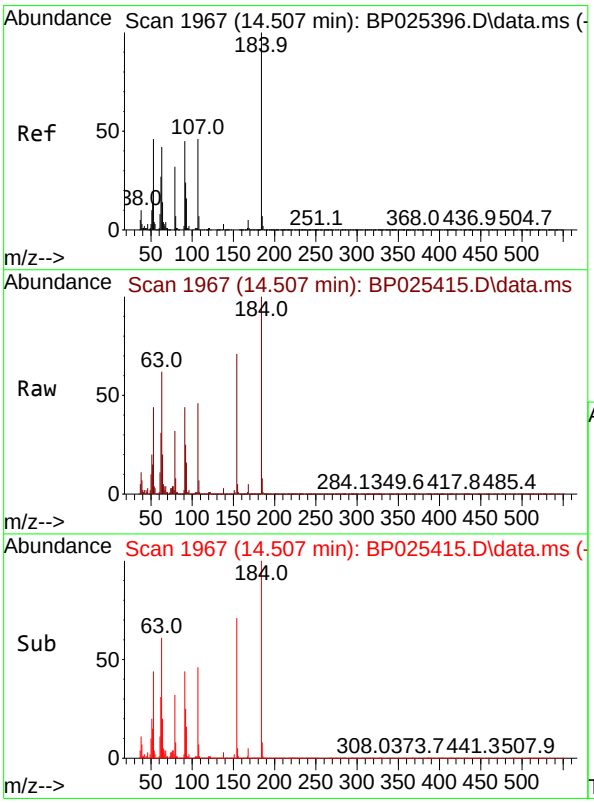
#53
3-Nitroaniline
Concen: 29.801 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:138 Resp: 199924

Ion	Ratio	Lower	Upper
138	100		
108	12.1	8.3	12.5
92	114.9	86.2	129.2

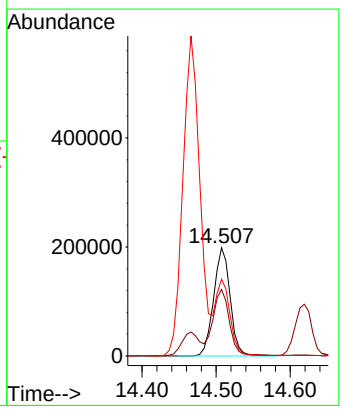


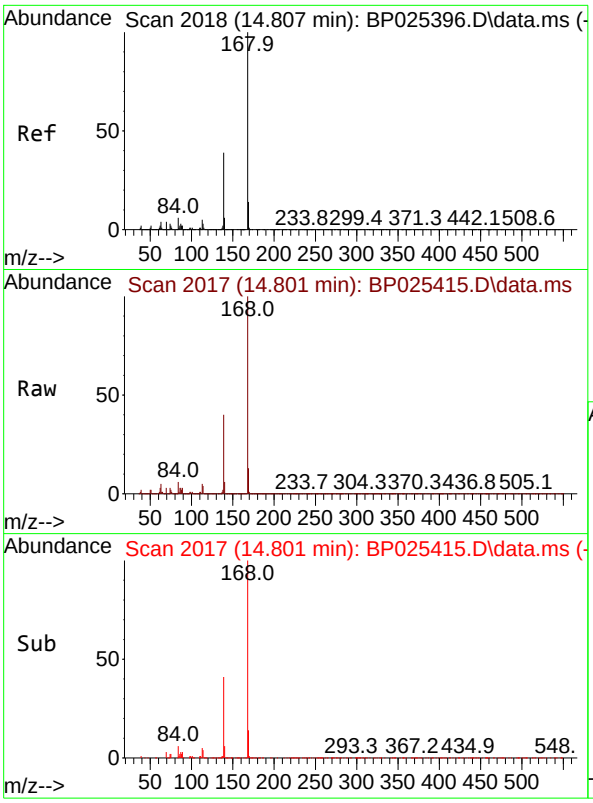


#54
2,4-Dinitrophenol
Concen: 96.691 ng
RT: 14.507 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:184 Resp: 307887

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.4	74.2
154	71.1	54.6	82.0



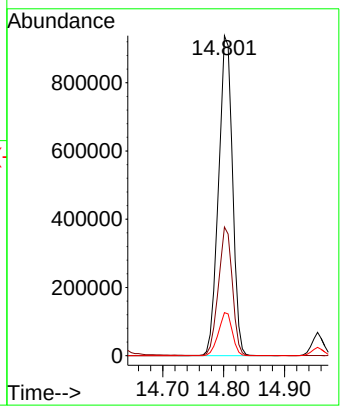


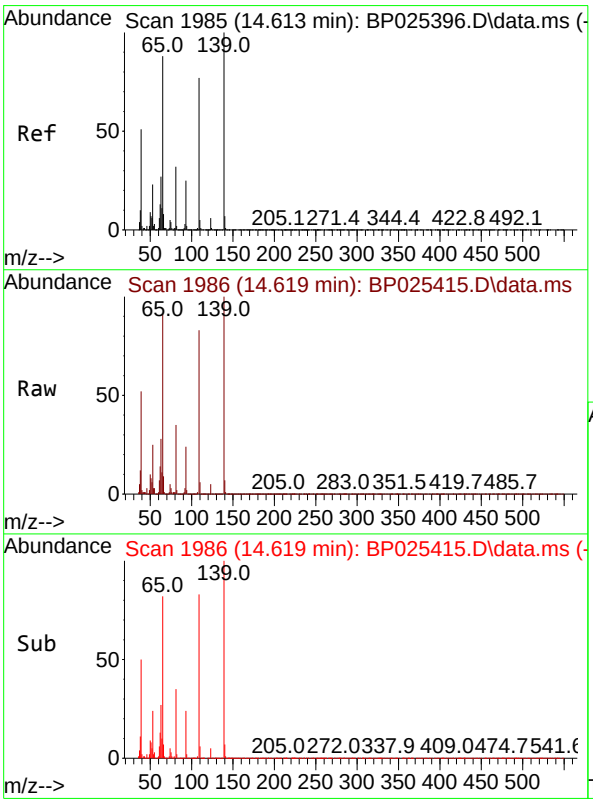
#55
Dibenzofuran
Concen: 44.417 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:168 Resp: 1489789

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.5	47.3
169	13.5	10.9	16.3

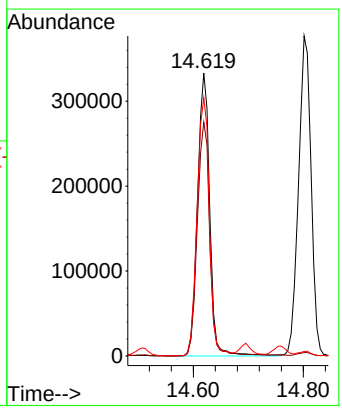


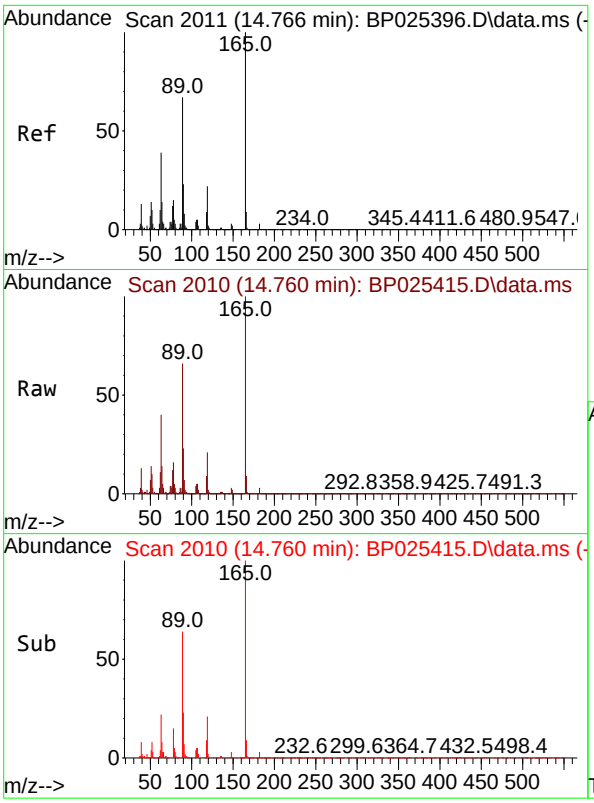


#56
4-Nitrophenol
Concen: 93.200 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:139 Resp: 513780

Ion	Ratio	Lower	Upper
139	100		
109	82.7	56.6	96.6
65	91.3	68.2	108.2



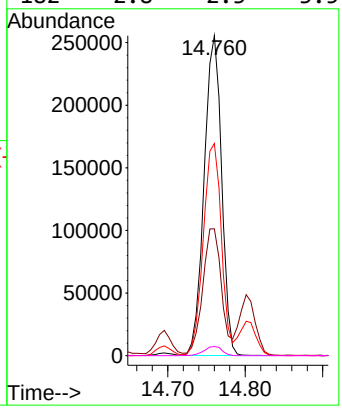


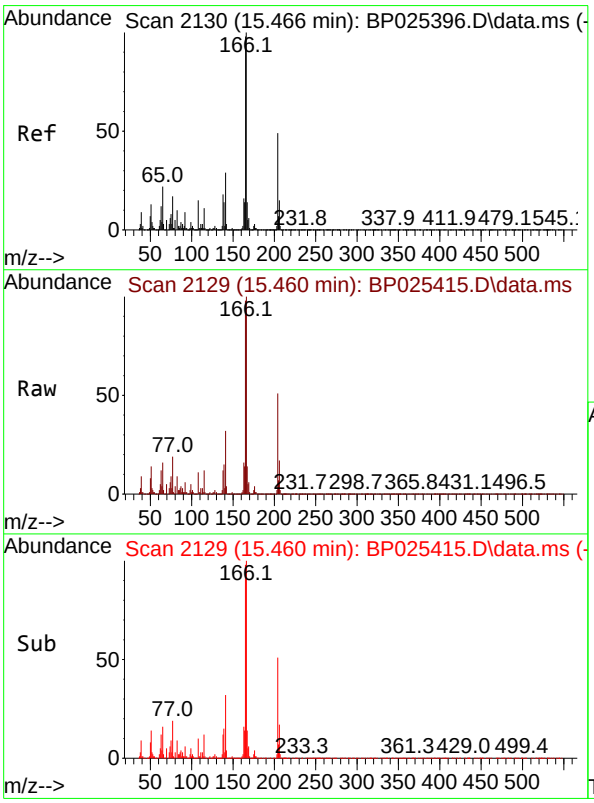
#57
2,4-Dinitrotoluene
Concen: 47.011 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:165 Resp: 399936

Ion	Ratio	Lower	Upper
165	100		
63	39.7	31.4	47.2
89	66.3	53.3	79.9
182	2.8	2.3	3.5

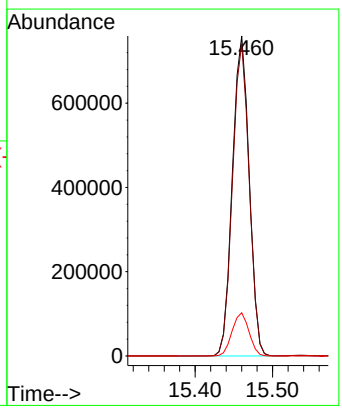


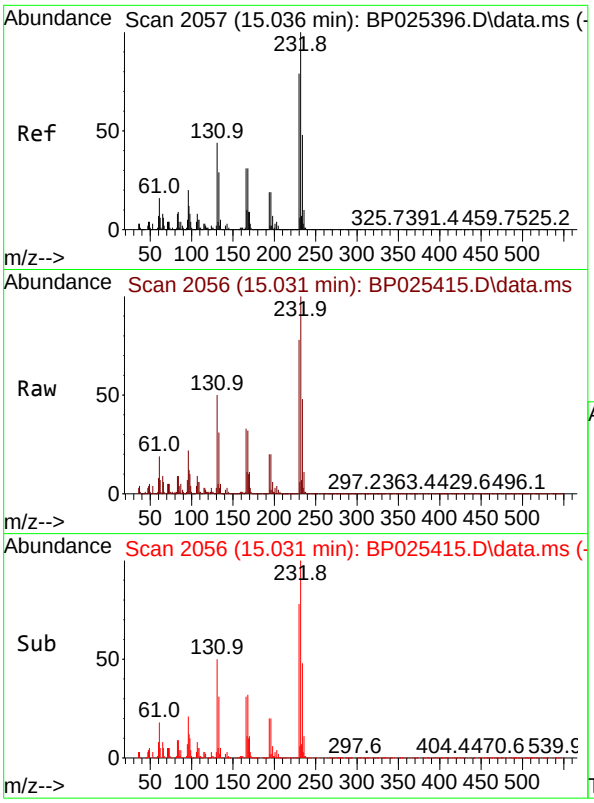


#58
Fluorene
Concen: 43.175 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:166 Resp: 1142677

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	13.5	11.0	16.4



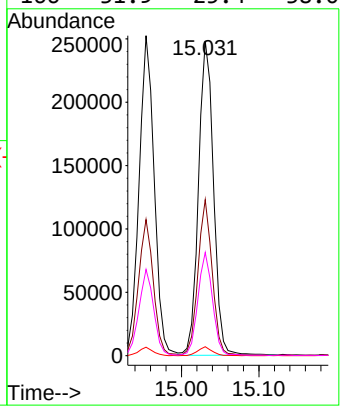


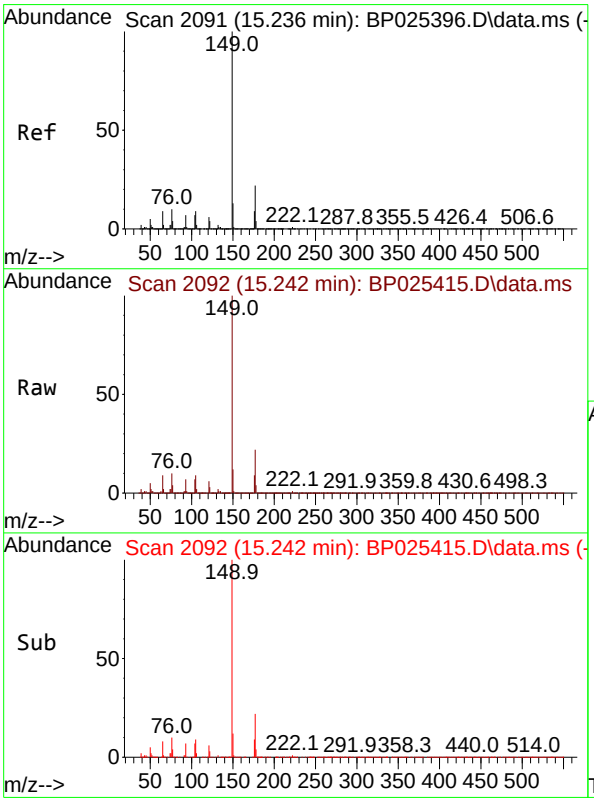
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.866 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:232 Resp: 334331

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.0	55.6
130	2.7	1.9	2.9
166	31.9	25.4	38.0

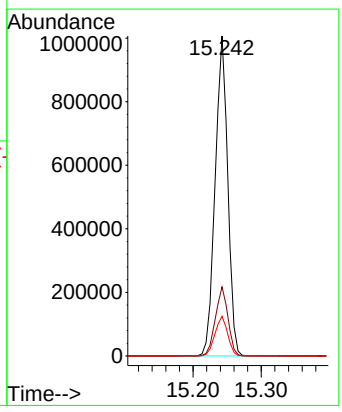


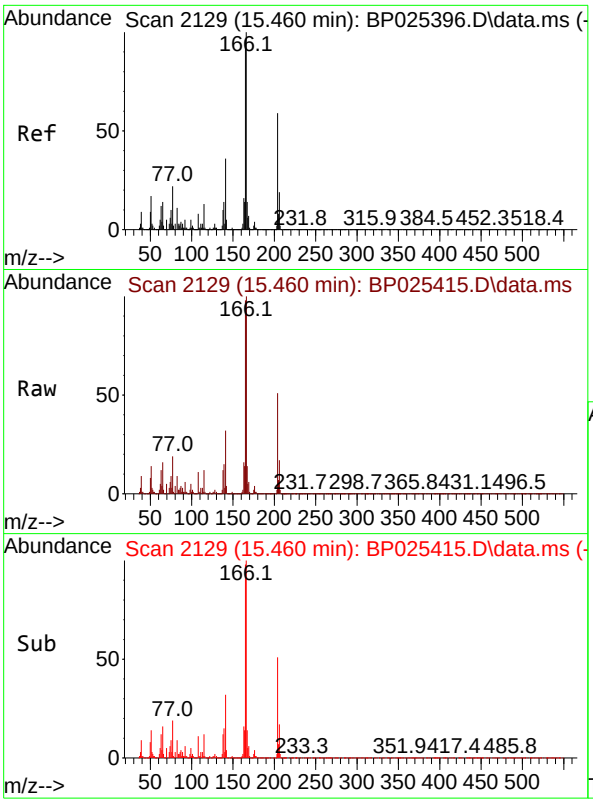


#60
Diethylphthalate
Concen: 44.982 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1293019

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.4	10.3	15.5



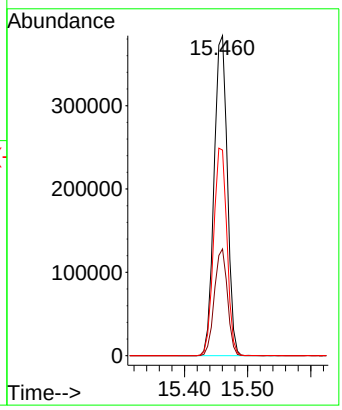


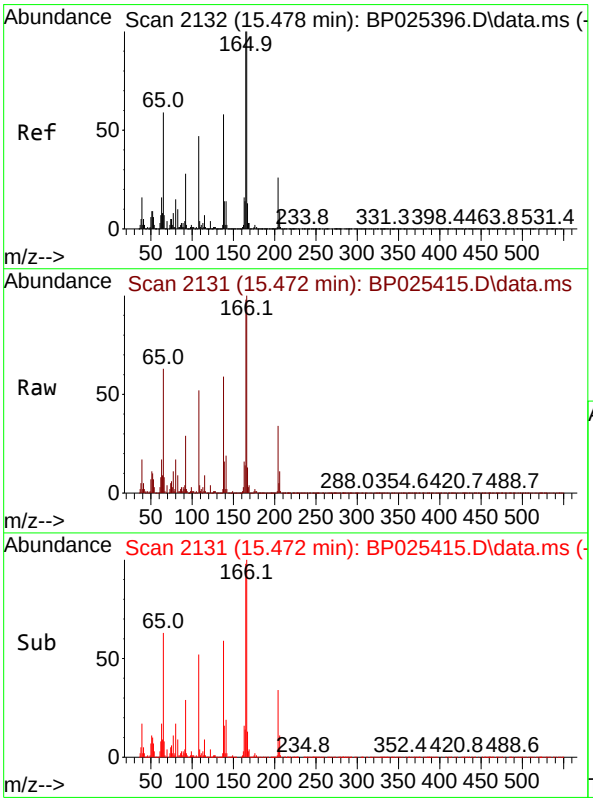
#61
4-Chlorophenyl-phenylether
Concen: 42.468 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:204 Resp: 558984

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.8
141	64.3	49.4	74.2

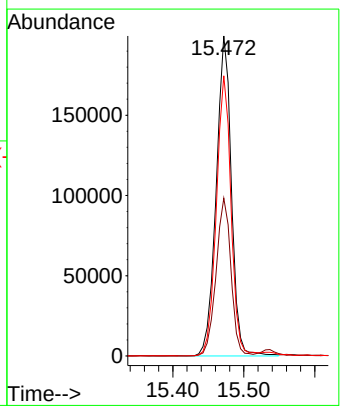


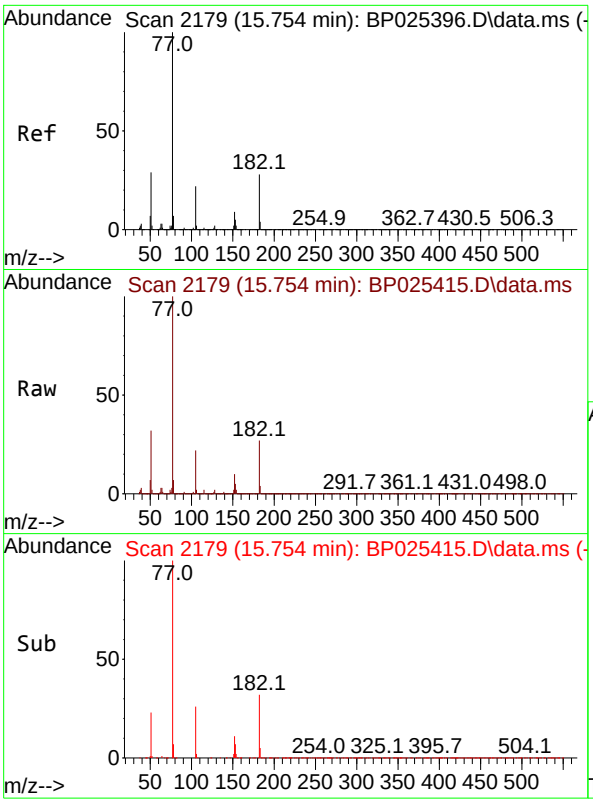


#62
4-Nitroaniline
Concen: 43.007 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:138 Resp: 295780

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.1	69.1
108	87.5	61.5	101.5



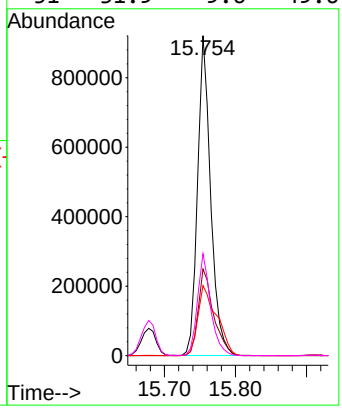


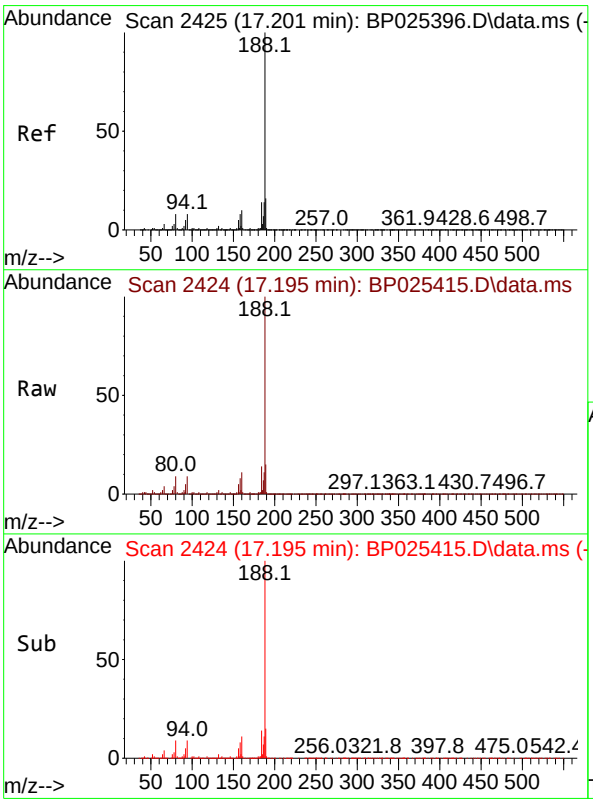
#63
Azobenzene
Concen: 48.126 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion: 77 Resp: 1184564

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.5	47.5
105	21.9	2.1	42.1
51	31.9	9.6	49.6

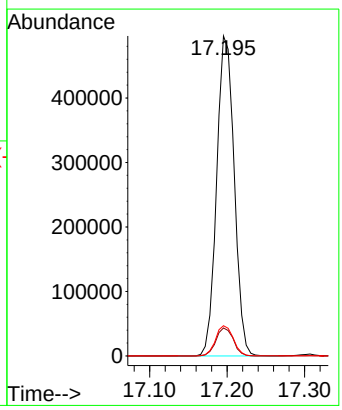


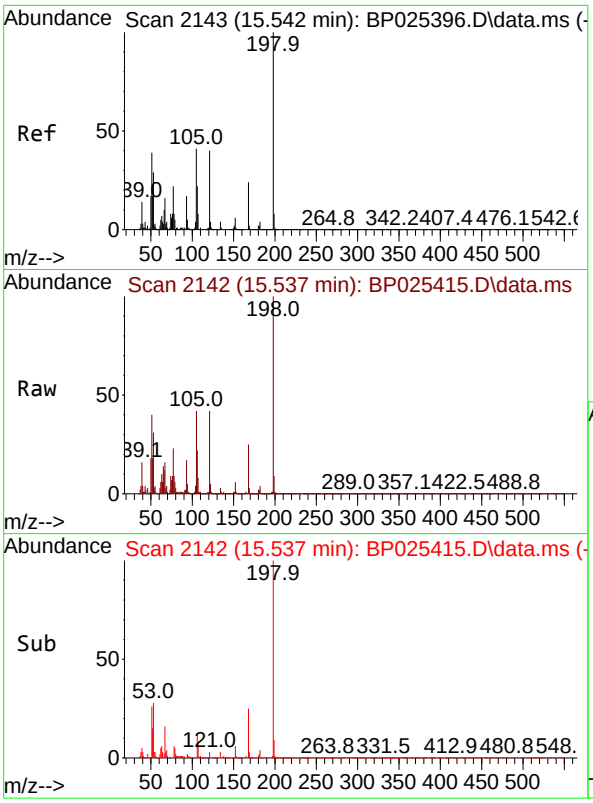


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:188 Resp: 780287

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.5	6.7	10.1



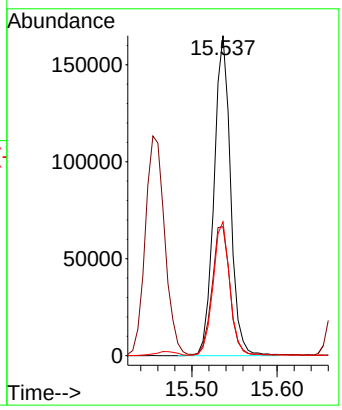


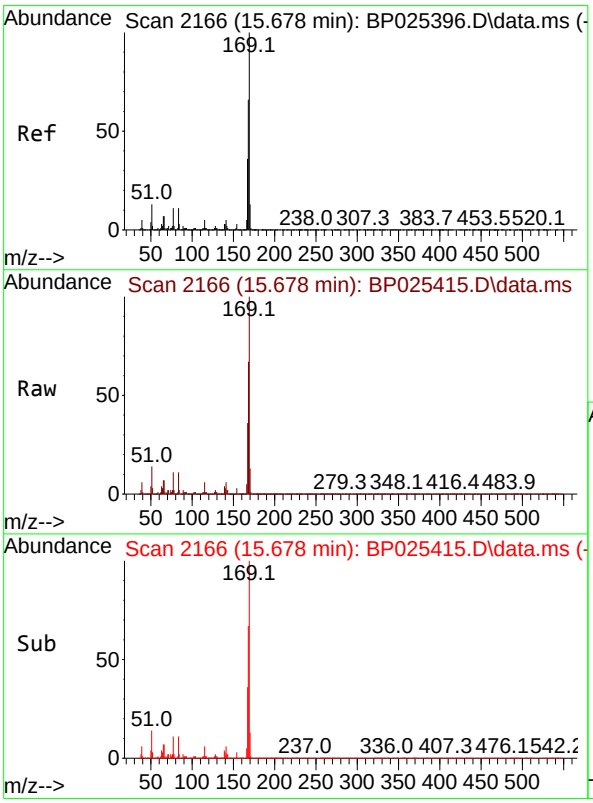
#65
4,6-Dinitro-2-methylphenol
Concen: 45.637 ng
RT: 15.537 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:198 Resp: 221973

Ion	Ratio	Lower	Upper
198	100		
51	40.3	19.6	59.6
105	41.9	20.9	60.9

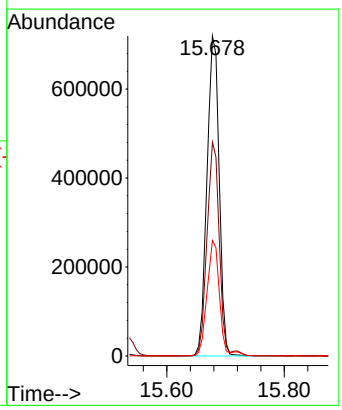


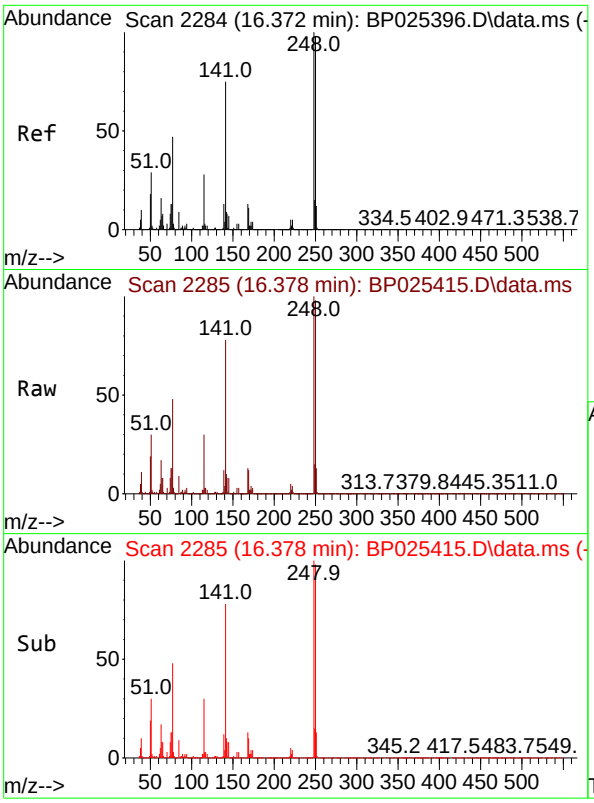


#66
n-Nitrosodiphenylamine
Concen: 43.502 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:169 Resp: 1035094

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	36.1	28.7	43.1



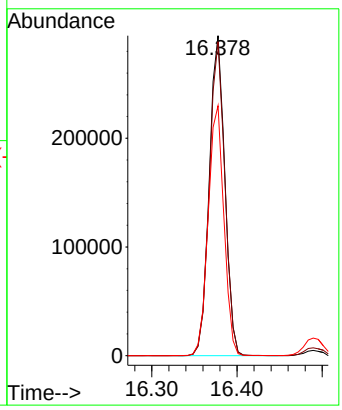


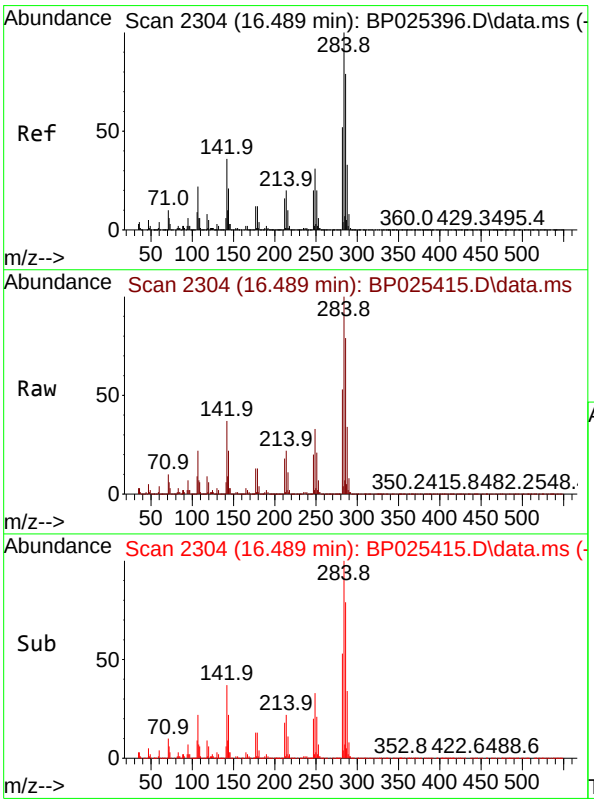
#67
4-Bromophenyl-phenylether
Concen: 43.613 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:248 Resp: 374274

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.2	117.2
141	78.1	59.6	89.4

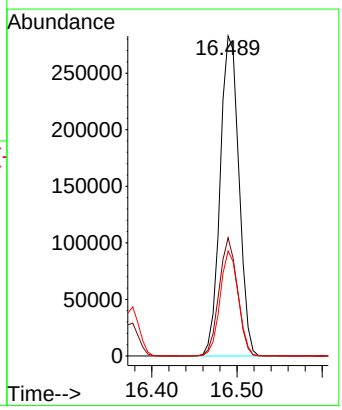


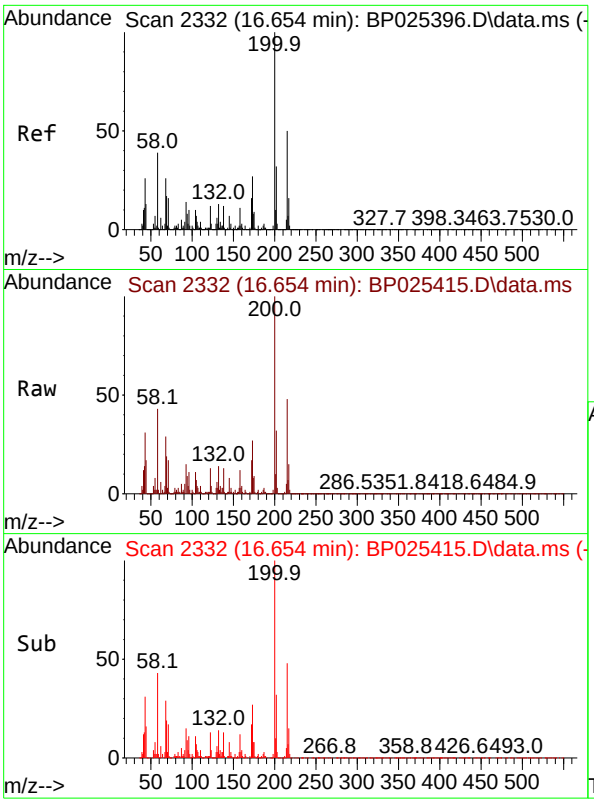


#68
Hexachlorobenzene
Concen: 43.489 ng
RT: 16.489 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:284 Resp: 432625

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.1	43.7
249	32.8	25.0	37.4



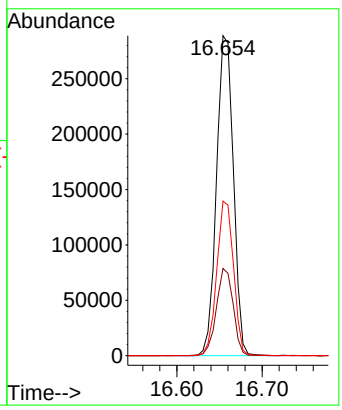


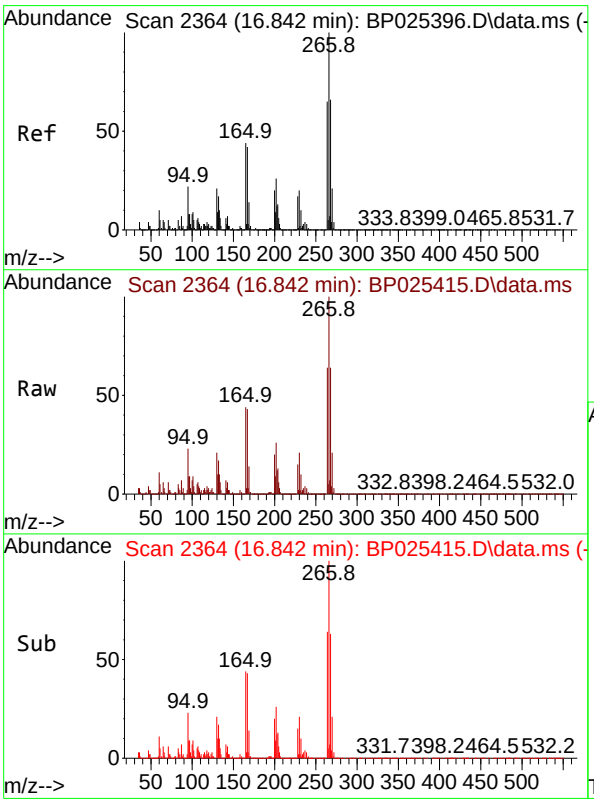
#69
Atrazine
Concen: 44.758 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:200 Resp: 398840

Ion	Ratio	Lower	Upper
200	100		
173	27.2	6.7	46.7
215	48.3	29.7	69.7

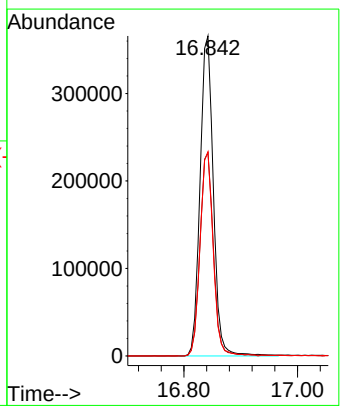


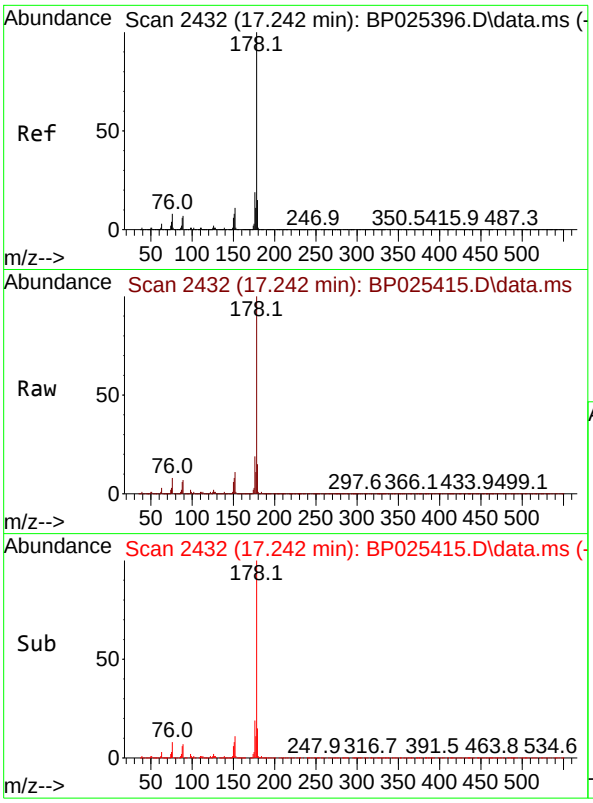


#70
Pentachlorophenol
Concen: 94.460 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:266 Resp: 593177

Ion	Ratio	Lower	Upper
266	100		
268	63.5	52.6	79.0
264	63.8	52.0	78.0



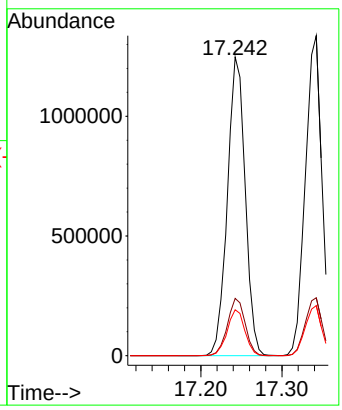


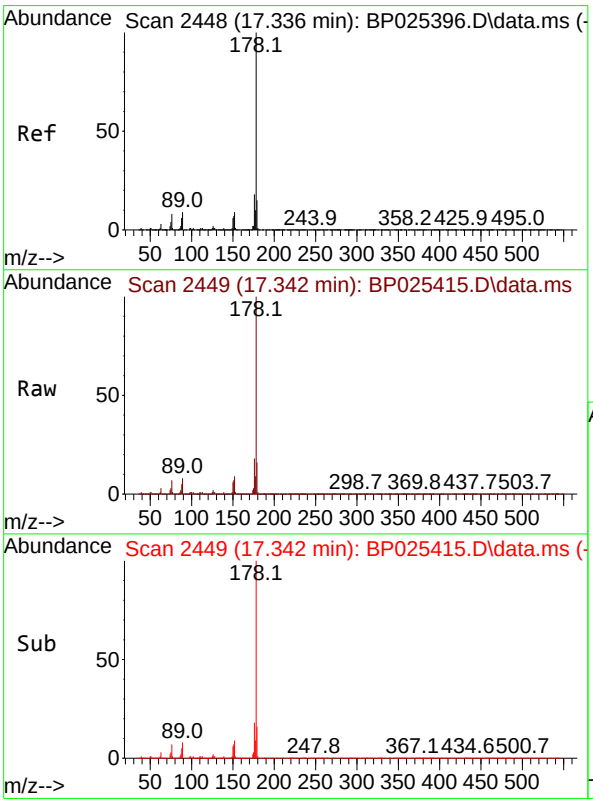
#71
Phenanthrene
Concen: 44.349 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:178 Resp: 1900981

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.2	18.4

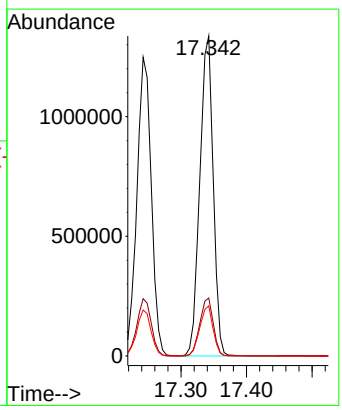


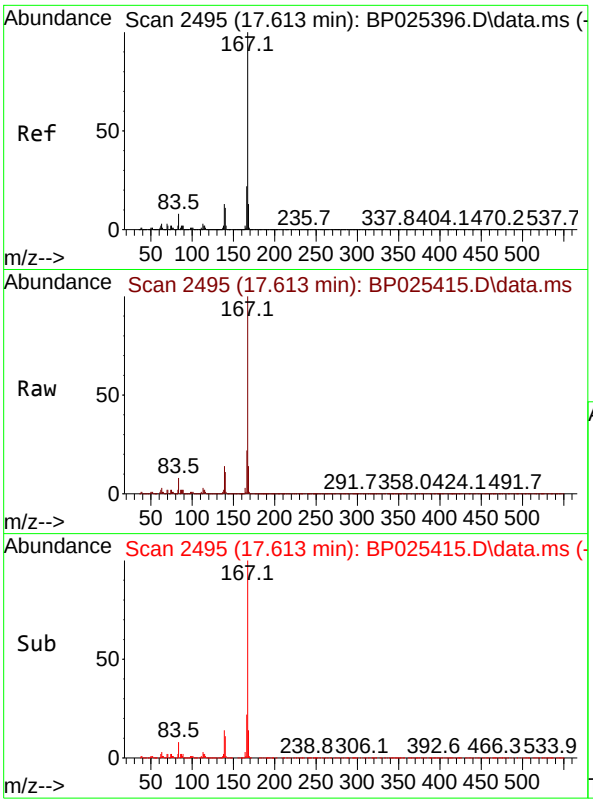


#72
Anthracene
Concen: 43.450 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:178 Resp: 1901911

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.6	12.2	18.2



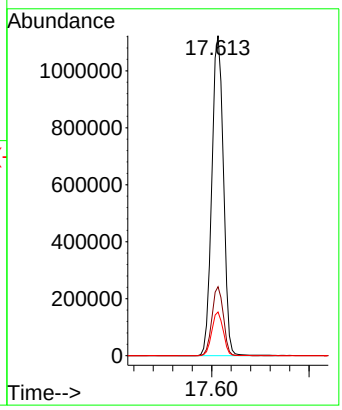


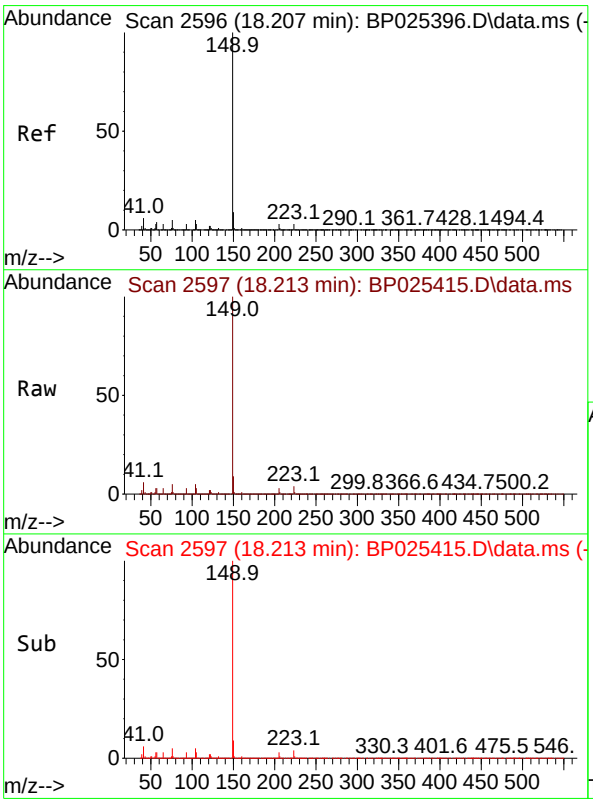
#73
Carbazole
Concen: 44.831 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:167 Resp: 1848365

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.6	10.6	16.0

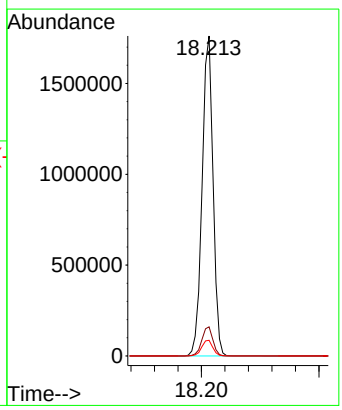


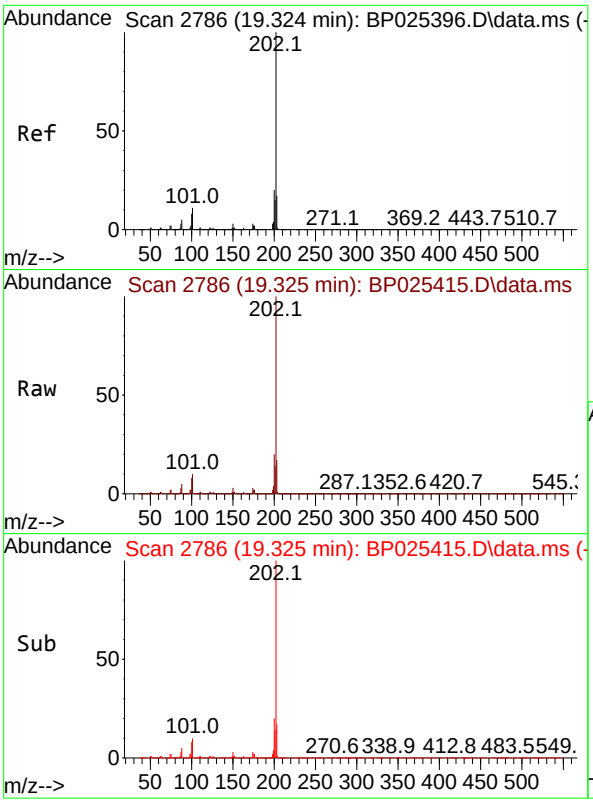


#74
Di-n-butylphthalate
Concen: 44.635 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 2264177

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.9	4.2	6.2



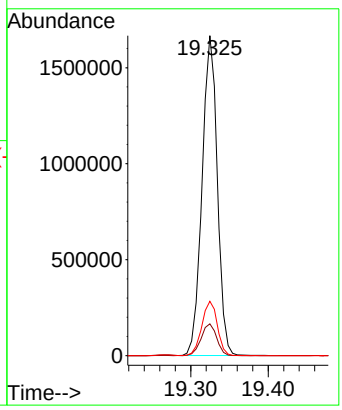


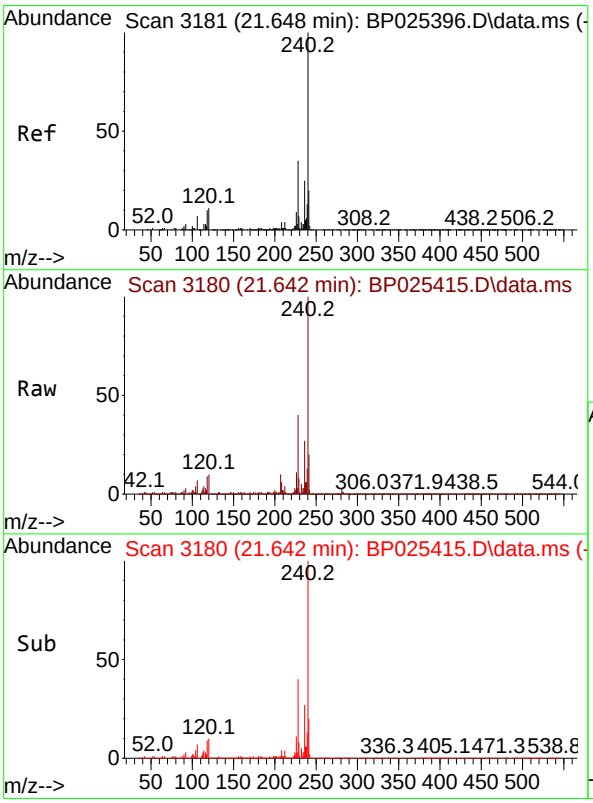
#75
Fluoranthene
Concen: 44.484 ng
RT: 19.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:202 Resp: 2274430

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.0	0.0	37.3

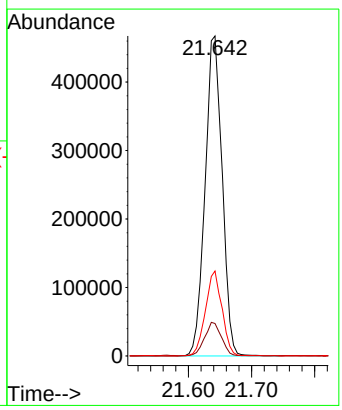


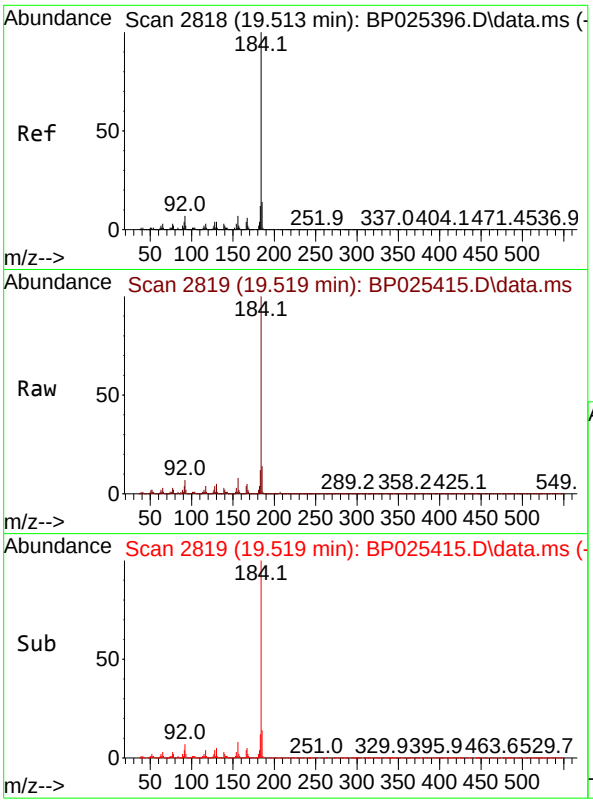


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:240 Resp: 875377

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.9	13.3
236	26.5	19.8	29.8



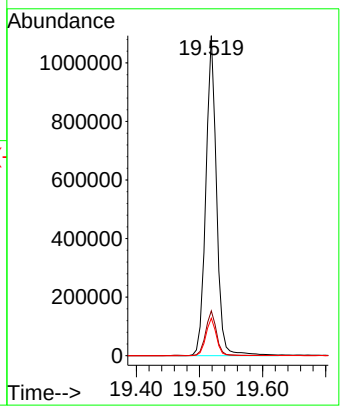


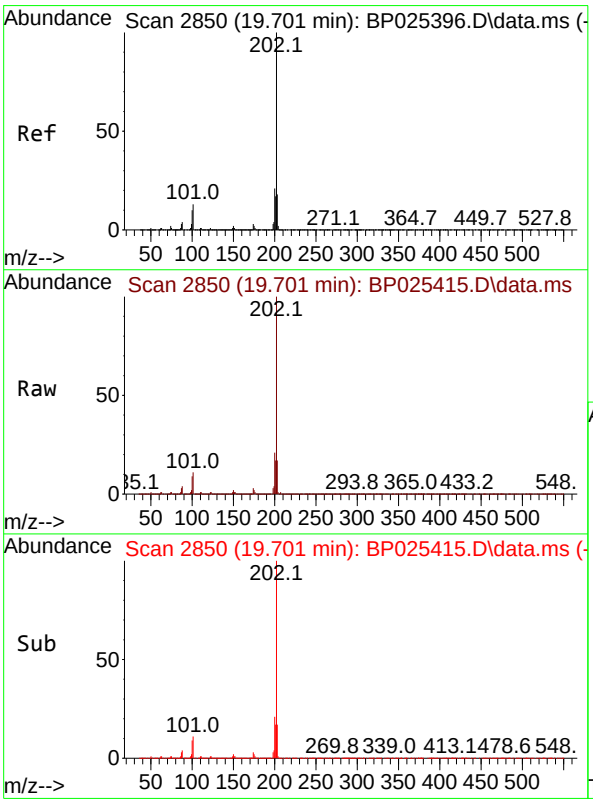
#77
Benzidine
Concen: 42.841 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:184 Resp: 1279852

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.7	9.4	14.2

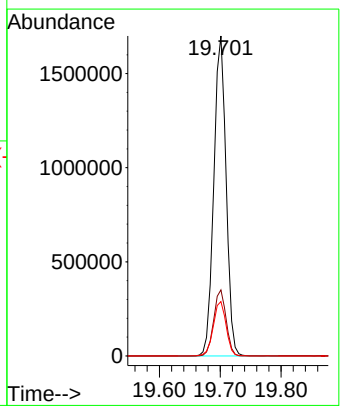


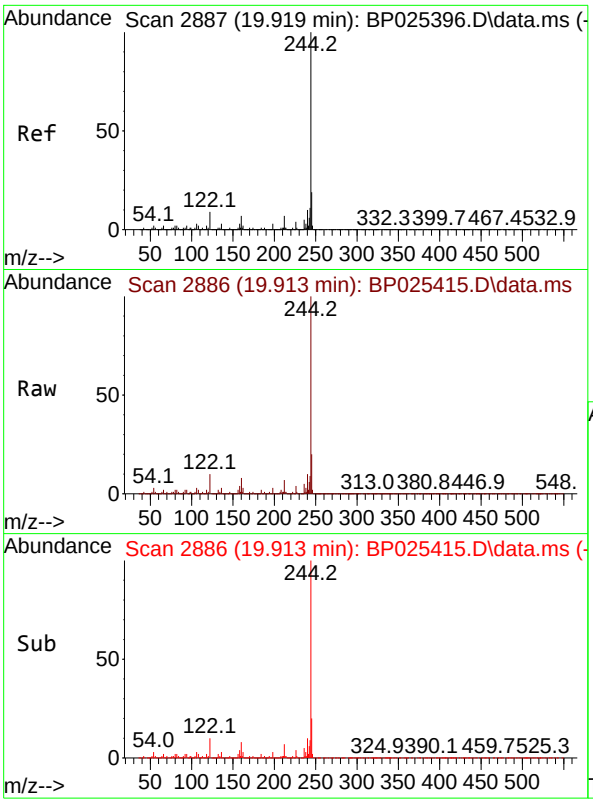


#78
Pyrene
Concen: 41.769 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:202 Resp: 2376529

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.0	14.2	21.2



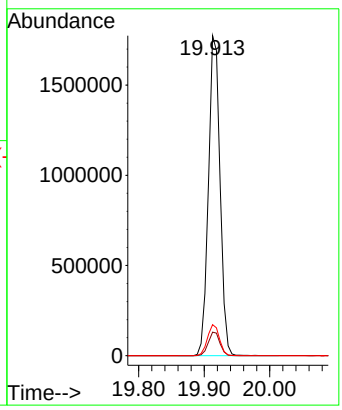


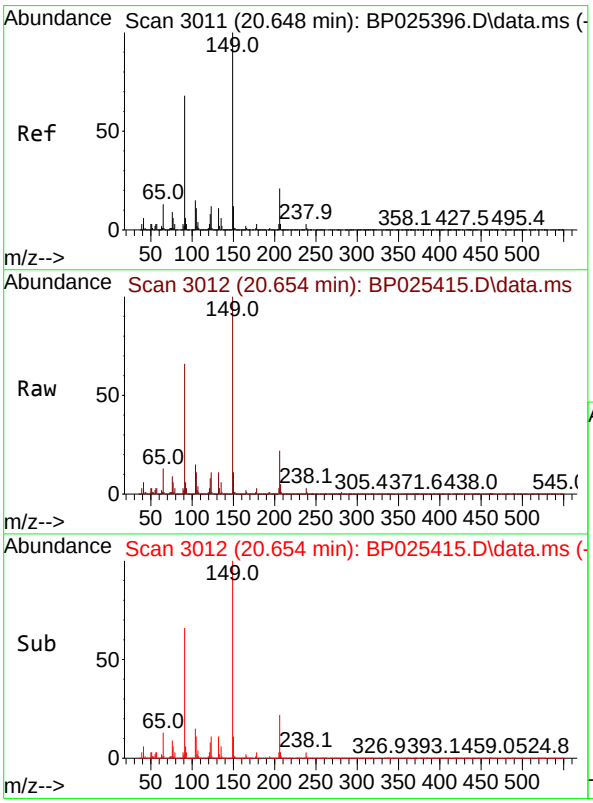
#79
Terphenyl-d14
Concen: 45.681 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:244 Resp: 2185634

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.7	7.4	11.2

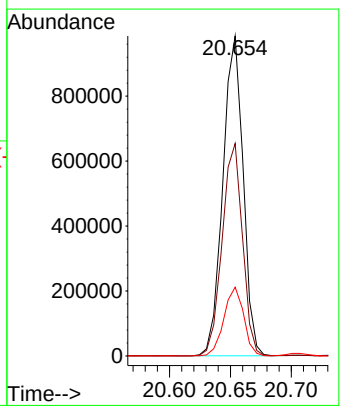


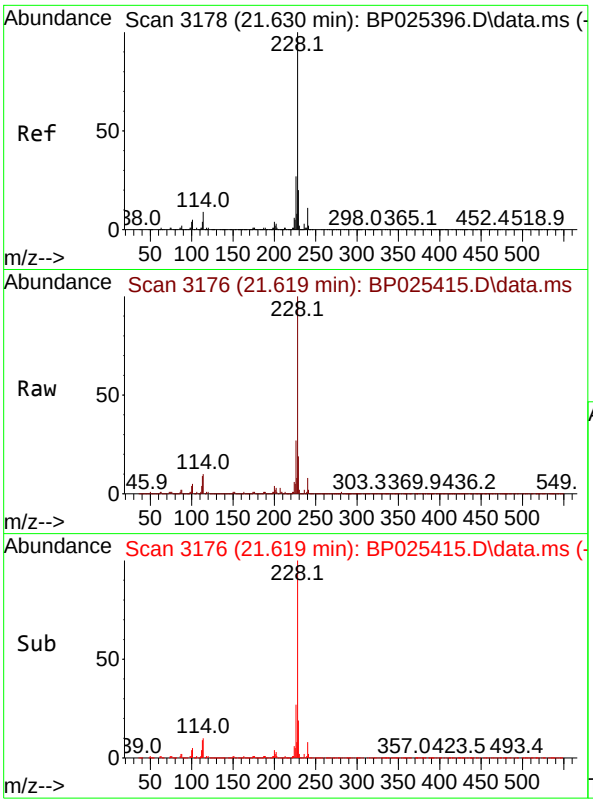


#80
Butylbenzylphthalate
Concen: 44.274 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1141667

Ion	Ratio	Lower	Upper
149	100		
91	66.4	54.2	81.2
206	21.5	16.6	24.8



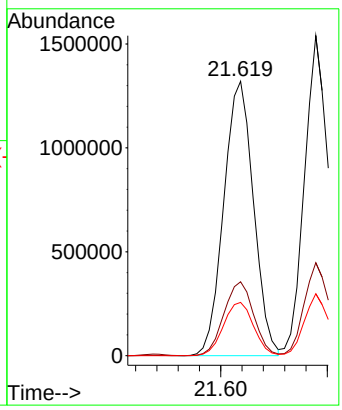


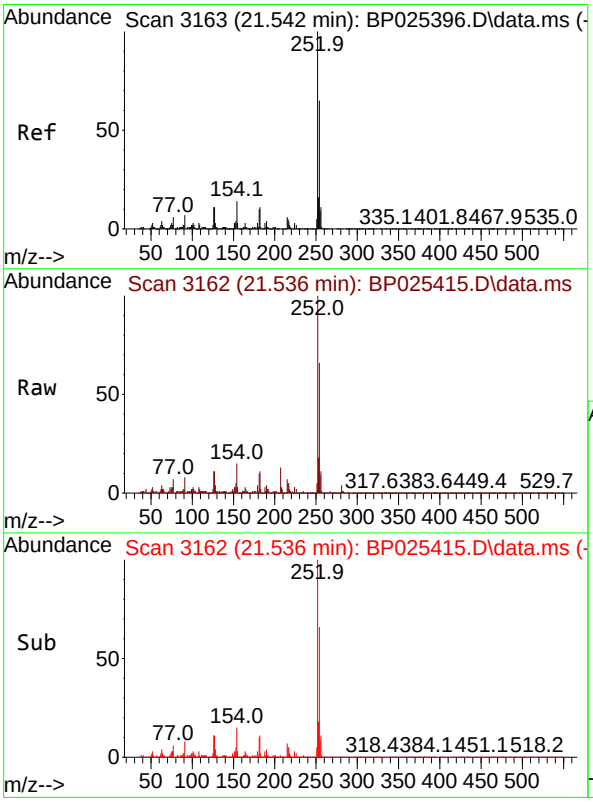
#81
Benzo(a)anthracene
Concen: 44.364 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:228 Resp: 2561195

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.4	15.6	23.4

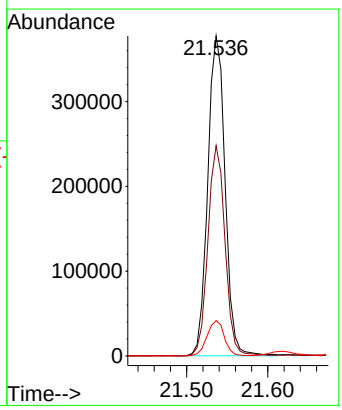


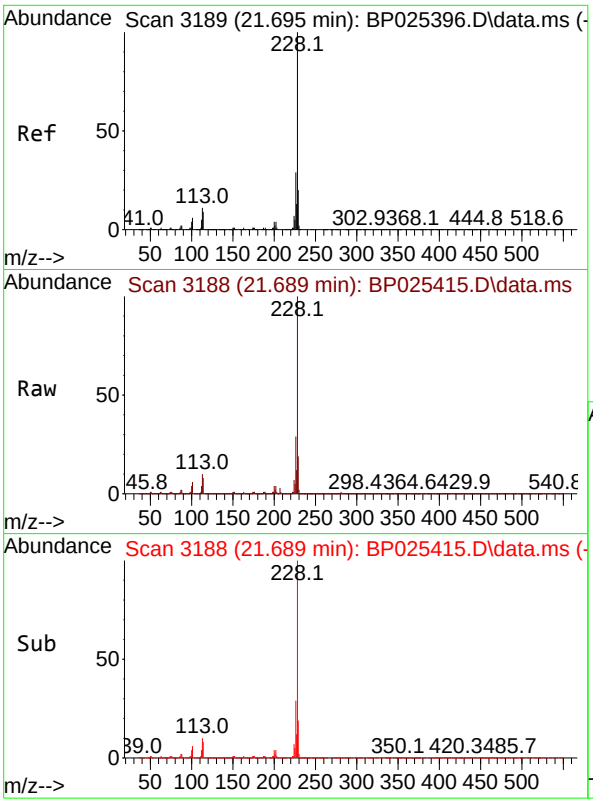


#82
3,3'-Dichlorobenzidine
Concen: 25.666 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 558511

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.8	77.6
126	11.0	9.1	13.7



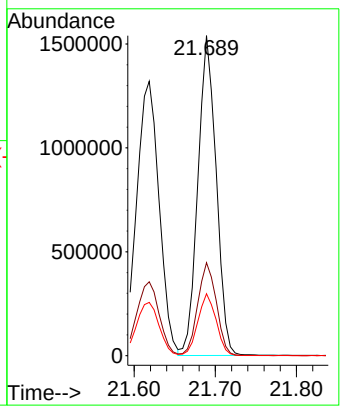


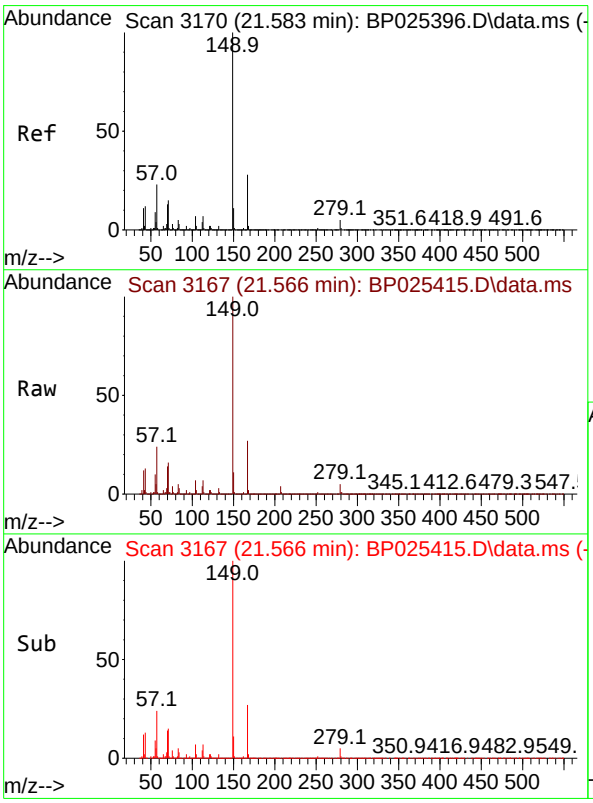
#83
Chrysene
Concen: 44.558 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:228 Resp: 2409067

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.3	15.6	23.4

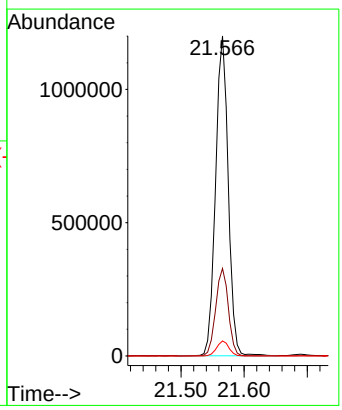


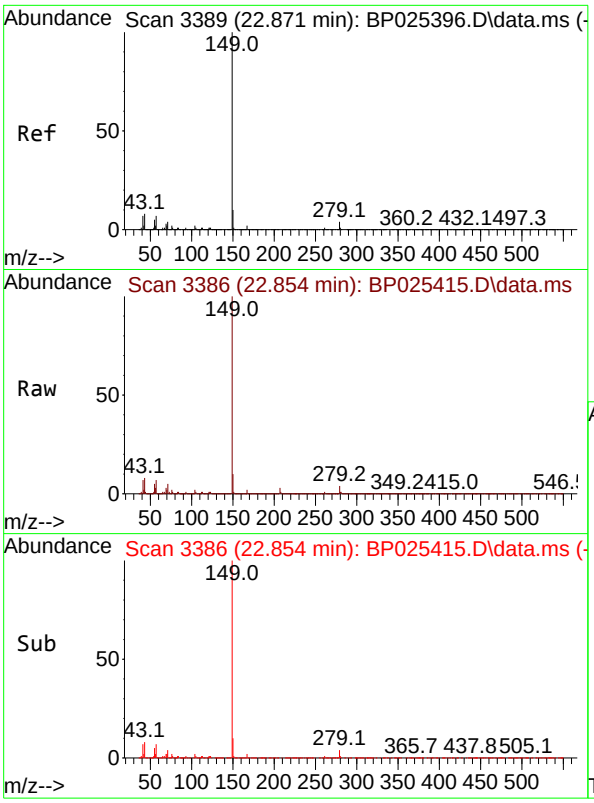


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.998 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:149 Resp: 1670118

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.1	33.1
279	4.7	3.8	5.6



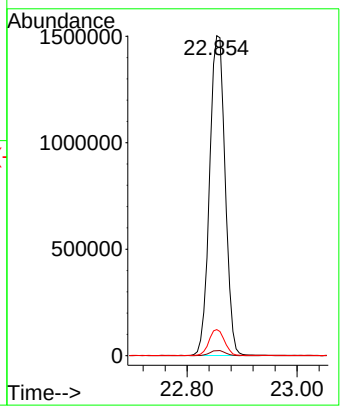


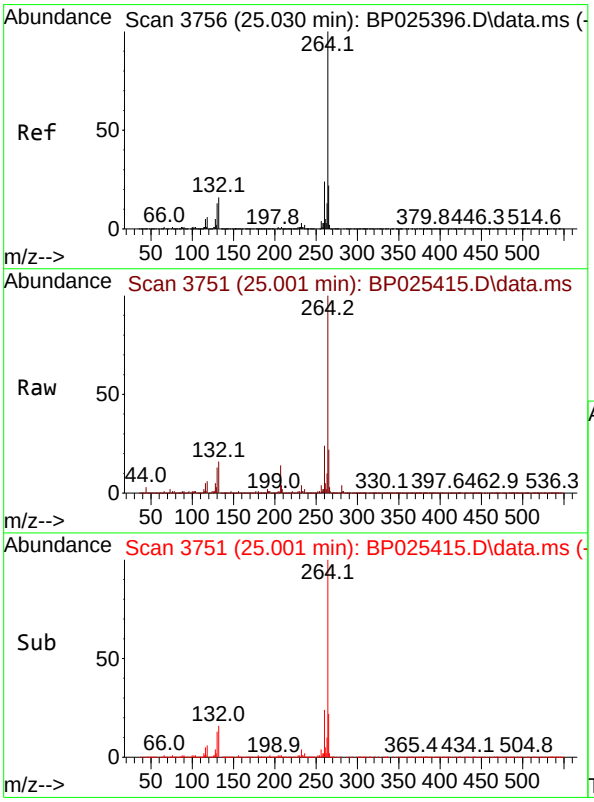
#85
Di-n-octyl phthalate
Concen: 45.135 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:149 Resp: 2946897

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.3	9.5

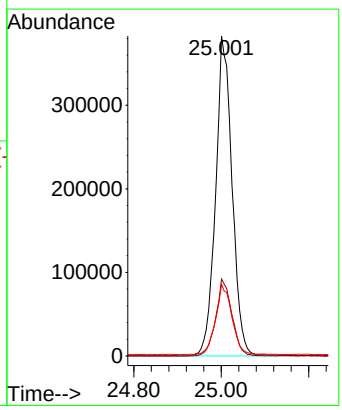


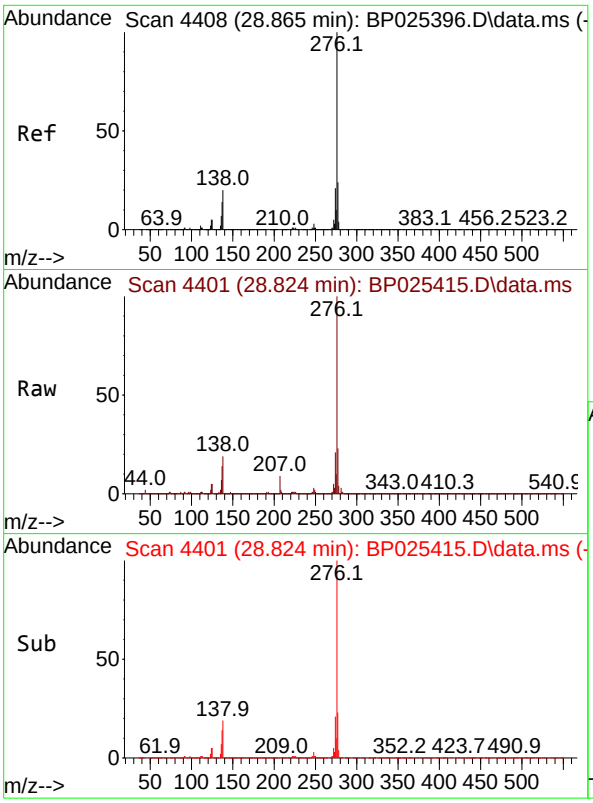


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:264 Resp: 1000604

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.4	17.4	26.0



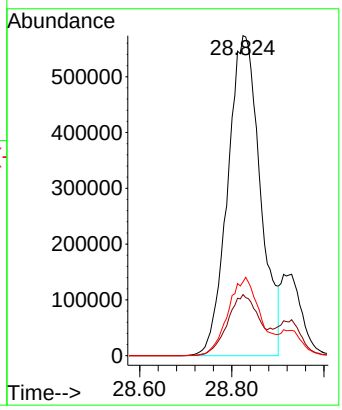


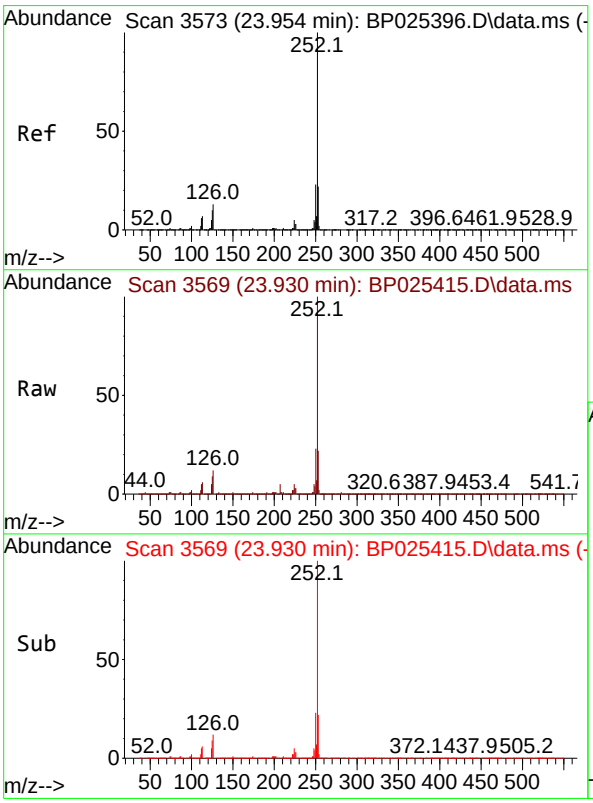
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.394 ng
RT: 28.824 min Scan# 44
Delta R.T. -0.041 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:276 Resp: 2817344

Ion	Ratio	Lower	Upper
276	100		
138	18.3	12.9	19.3
277	24.4	17.0	25.6

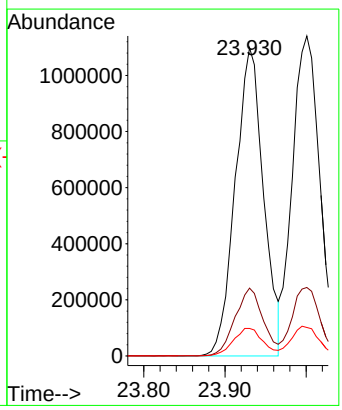


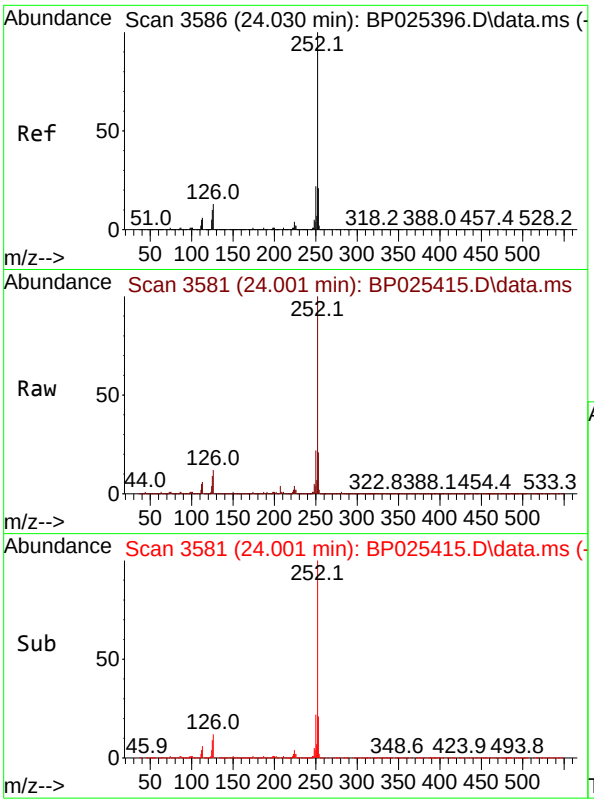


#88
Benzo(b)fluoranthene
Concen: 44.970 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 2653334

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.9	7.9	11.9



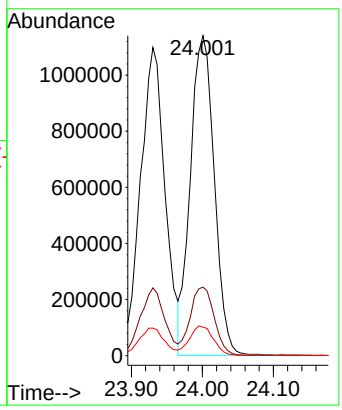


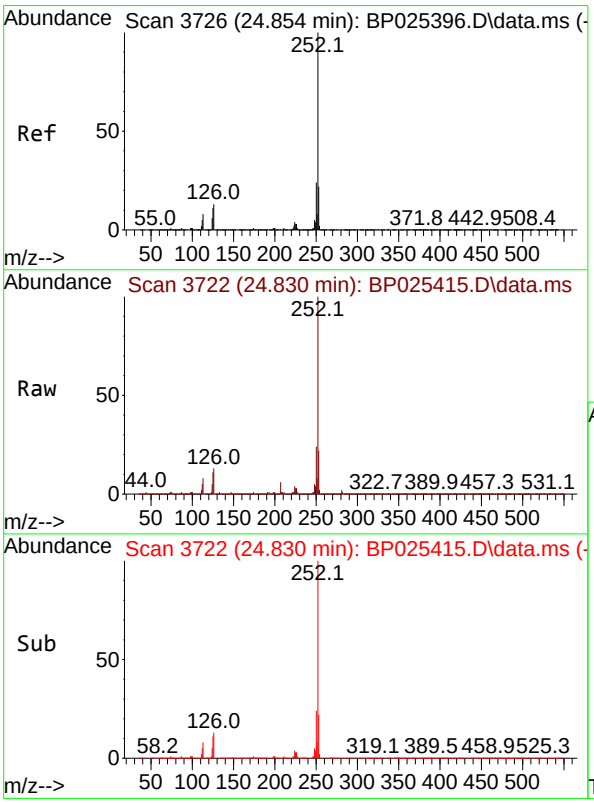
#89
Benzo(k)fluoranthene
Concen: 45.121 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:252 Resp: 2664055

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	8.9	7.8	11.6

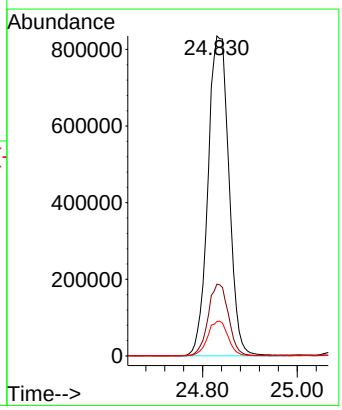


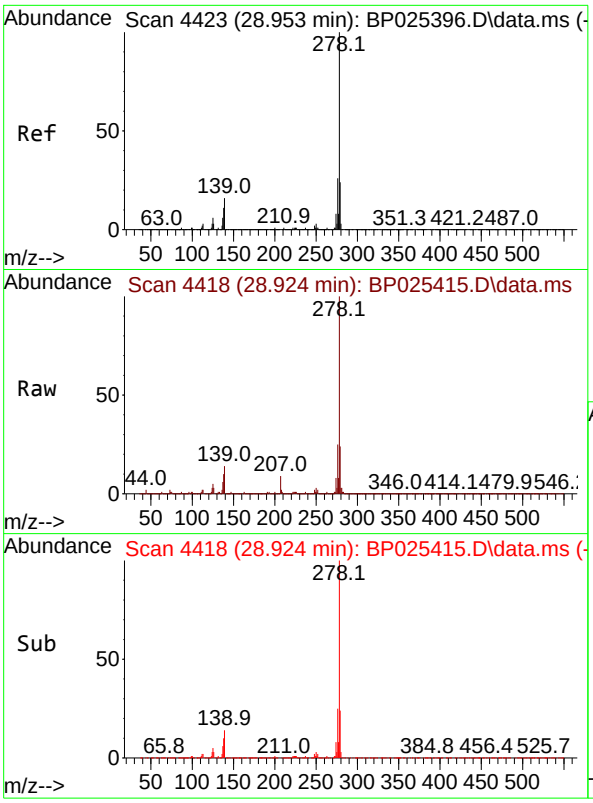


#90
Benzo(a)pyrene
Concen: 44.619 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:252 Resp: 2562652

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.7	8.7	13.1



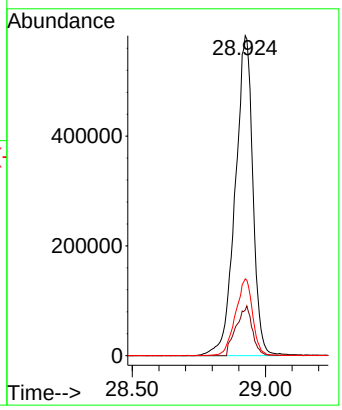


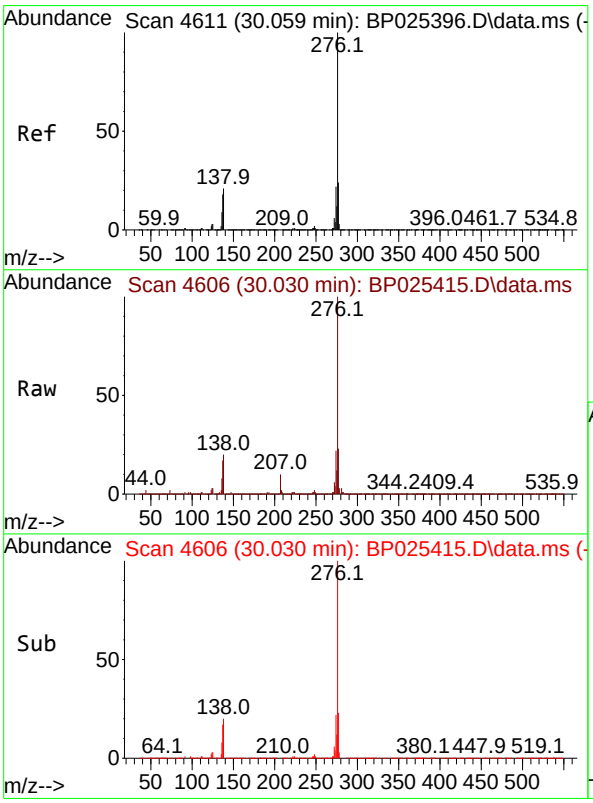
#91
Dibenzo(a,h)anthracene
Concen: 44.609 ng
RT: 28.924 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Instrument :
BNA_P
ClientSampleId :
88H-EMS

Tgt Ion:278 Resp: 2675040

Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.0	19.4
279	24.0	19.4	29.2

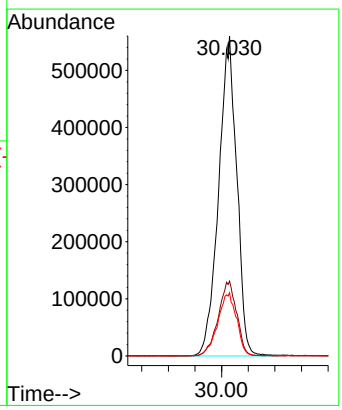




#92
Benzo(g,h,i)perylene
Concen: 44.748 ng
RT: 30.030 min Scan# 4606
Delta R.T. -0.029 min
Lab File: BP025415.D
Acq: 15 Aug 2025 05:48

Tgt Ion:276 Resp: 2637753

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	19.7	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.795	152	152229	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	611748	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	408254	20.000	ng		0.00
64) Phenanthrene-d10	17.201	188	837667	20.000	ng		0.00
76) Chrysene-d12	21.648	240	921761	20.000	ng		0.00
86) Perylene-d12	25.024	264	1086411	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.407	112	807645	88.108	ng		0.00
7) Phenol-d6	6.966	99	1053520	89.644	ng		0.00
23) Nitrobenzene-d5	8.931	82	659161	54.506	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	493086	89.731	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1517679	50.806	ng		0.00
79) Terphenyl-d14	19.912	244	2460926	48.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.337	88	133387	37.150	ng		98
3) Pyridine	3.731	79	373071	37.962	ng		98
4) n-Nitrosodimethylamine	3.637	42	180846	44.636	ng		97
6) Aniline	7.125	93	562721	35.538	ng		99
8) 2-Chlorophenol	7.366	128	489929	47.363	ng		99
9) Benzaldehyde	6.937	77	223121	27.098	ng		100
10) Phenol	6.995	94	592156	48.018	ng		98
11) bis(2-Chloroethyl)ether	7.219	93	412250	42.890	ng		99
12) 1,3-Dichlorobenzene	7.684	146	492466	43.176	ng		99
13) 1,4-Dichlorobenzene	7.825	146	503812	43.215	ng		99
14) 1,2-Dichlorobenzene	8.142	146	489651	43.388	ng		99
15) Benzyl Alcohol	8.025	79	431125	46.169	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	548076	42.566	ng		98
17) 2-Methylphenol	8.225	107	403259	47.084	ng		99
18) Hexachloroethane	8.860	117	184490	43.040	ng		97
19) n-Nitroso-di-n-propyla...	8.583	70	329547	42.334	ng		99
20) 3+4-Methylphenols	8.548	107	552270	46.519	ng		96
22) Acetophenone	8.601	105	691731	45.089	ng	#	99
24) Nitrobenzene	8.966	77	492167	45.537	ng		99
25) Isophorone	9.495	82	936982	43.780	ng		98
26) 2-Nitrophenol	9.672	139	261087	47.070	ng		97
27) 2,4-Dimethylphenol	9.736	122	464398	48.685	ng		100
28) bis(2-Chloroethoxy)met...	9.966	93	571301	44.160	ng		99
29) 2,4-Dichlorophenol	10.207	162	463126	48.875	ng		97
30) 1,2,4-Trichlorobenzene	10.419	180	465232	44.788	ng		97
31) Naphthalene	10.613	128	1414587	44.490	ng		100
32) Benzoic acid	9.878	122	351527	49.917	ng		99
33) 4-Chloroaniline	10.707	127	356528	25.385	ng		99
34) Hexachlorobutadiene	10.901	225	286611	44.305	ng		97
35) Caprolactam	11.501	113	144032	41.453	ng		95
36) 4-Chloro-3-methylphenol	11.836	107	529393	48.688	ng		96
37) 2-Methylnaphthalene	12.213	142	931832	45.034	ng		98
38) 1-Methylnaphthalene	12.436	142	968839	44.028	ng		99
40) 1,2,4,5-Tetrachloroben...	12.583	216	528206	44.798	ng		98
41) Hexachlorocyclopentadiene	12.566	237	642432	90.202	ng		99
43) 2,4,6-Trichlorophenol	12.824	196	385328	48.407	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	422320	48.409	ng		98
46) 1,1'-Biphenyl	13.230	154	1333915	44.989	ng		98
47) 2-Chloronaphthalene	13.266	162	1048414	45.421	ng		99
48) 2-Nitroaniline	13.466	65	327216	48.653	ng		97
49) Acenaphthylene	14.124	152	1741031	45.584	ng		100
50) Dimethylphthalate	13.854	163	1353224	45.264	ng		99
51) 2,6-Dinitrotoluene	13.966	165	297925	47.281	ng		99
52) Acenaphthene	14.477	154	990506	44.181	ng		99
53) 3-Nitroaniline	14.295	138	220431	31.093	ng		97
54) 2,4-Dinitrophenol	14.513	184	345806	102.765	ng		99
55) Dibenzofuran	14.813	168	1593114	44.946	ng		98
56) 4-Nitrophenol	14.618	139	576733	98.999	ng		98
57) 2,4-Dinitrotoluene	14.771	165	438365	48.760	ng		100
58) Fluorene	15.465	166	1236469	44.209	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.036	232	374896	48.668	ng		99
60) Diethylphthalate	15.242	149	1388142	45.696	ng		100
61) 4-Chlorophenyl-phenyle...	15.460	204	620466	44.606	ng		99
62) 4-Nitroaniline	15.477	138	329615	45.352	ng		95
63) Azobenzene	15.754	77	1306069	50.212	ng		99
65) 4,6-Dinitro-2-methylph...	15.542	198	246584	47.224	ng		95
66) n-Nitrosodiphenylamine	15.671	169	1133759	44.385	ng		100
67) 4-Bromophenyl-phenylether	16.371	248	412290	44.752	ng		98
68) Hexachlorobenzene	16.489	284	482237	45.155	ng		98
69) Atrazine	16.648	200	444039	46.417	ng		99
70) Pentachlorophenol	16.848	266	677601	100.512	ng		96
71) Phenanthrene	17.248	178	2085270	45.316	ng		99
72) Anthracene	17.330	178	2098232	44.651	ng		99
73) Carbazole	17.612	167	2047401	46.257	ng		99
74) Di-n-butylphthalate	18.212	149	2532382	46.503	ng		100
75) Fluoranthene	19.330	202	2558146	46.606	ng		99
77) Benzidine	19.512	184	1446263	45.975	ng		100
78) Pyrene	19.706	202	2628017	43.865	ng		99
80) Butylbenzylphthalate	20.653	149	1280380	47.155	ng		97
81) Benzo(a)anthracene	21.624	228	2800265	46.064	ng		100
82) 3,3'-Dichlorobenzidine	21.536	252	640279	27.944	ng		99
83) Chrysene	21.695	228	2634967	46.284	ng		99
84) Bis(2-ethylhexyl)phtha...	21.565	149	1870070	46.787	ng		99
85) Di-n-octyl phthalate	22.853	149	3288310	47.830	ng		100
87) Indeno(1,2,3-cd)pyrene	28.835	276	3142375	39.441	ng	#	93
88) Benzo(b)fluoranthene	23.930	252	2936896	45.844	ng		100
89) Benzo(k)fluoranthene	24.012	252	2954085	46.081	ng		98
90) Benzo(a)pyrene	24.853	252	2891770	46.372	ng		99
91) Dibenzo(a,h)anthracene	28.912	278	2997319	46.035	ng		99
92) Benzo(g,h,i)perylene	30.024	276	2926520	45.726	ng		98

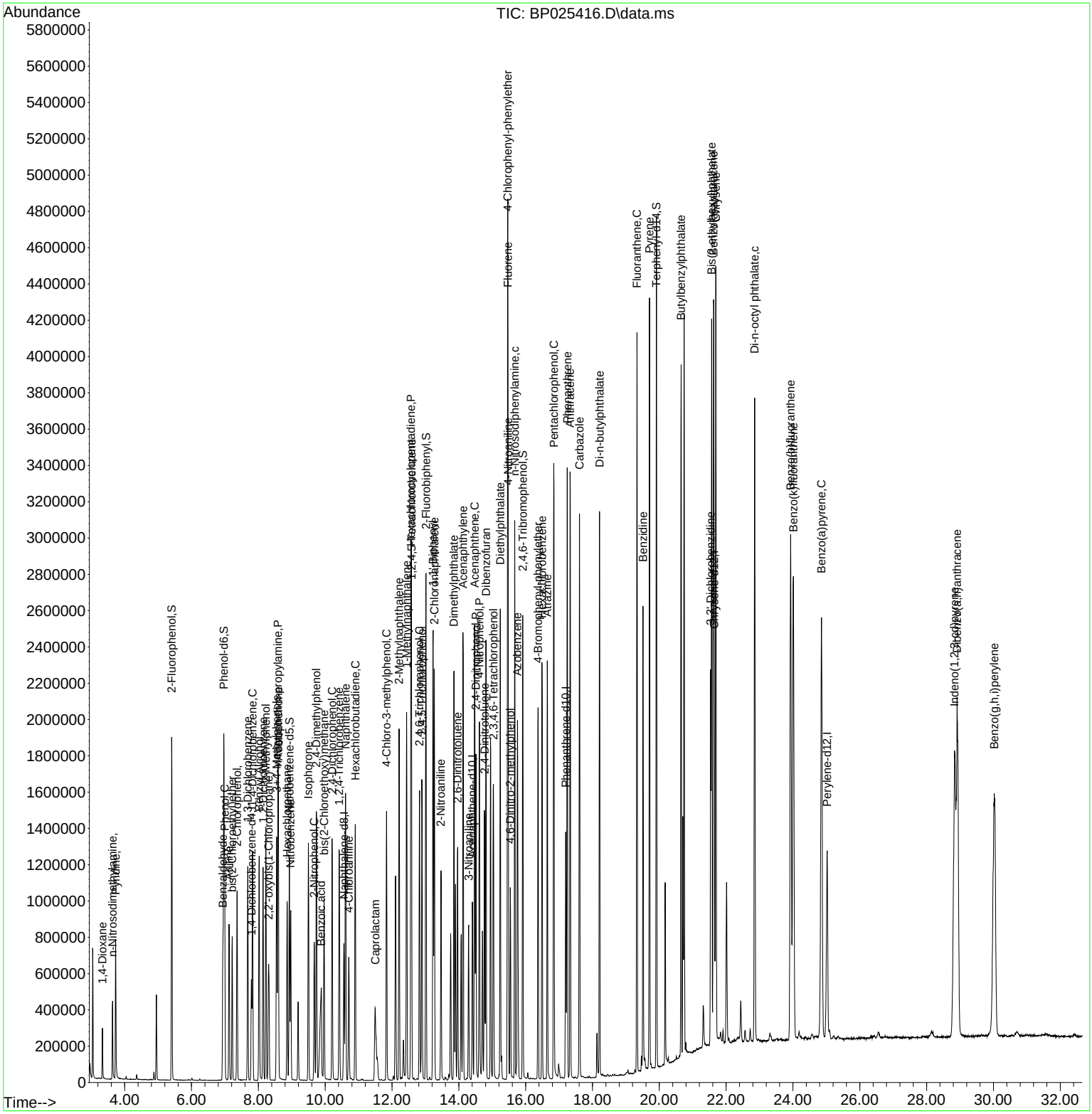
(#) = qualifier out of range (m) = manual integration (+) = signals summed

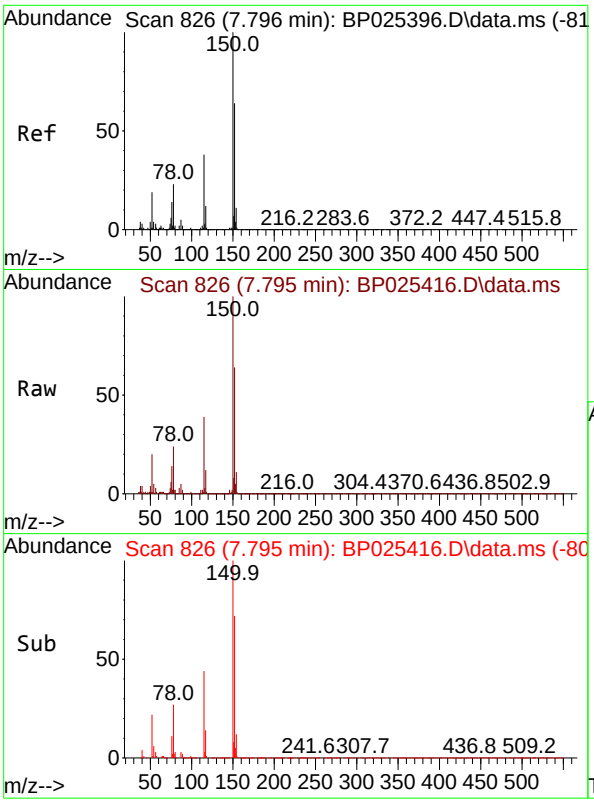
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025416.D
Acq On : 15 Aug 2025 06:29
Operator : CG/JU
Sample : Q2820-17MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Quant Time: Aug 15 08:09:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



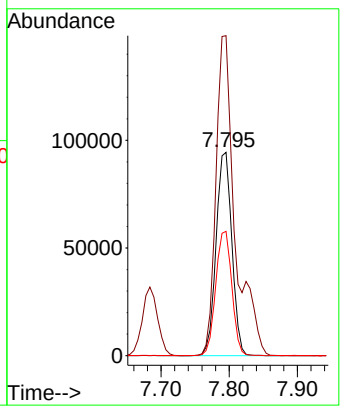


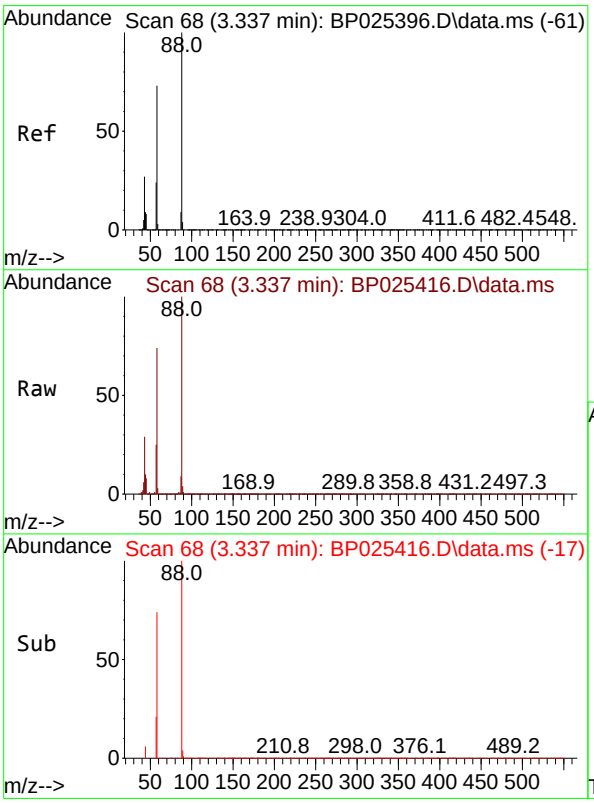
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.795 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:152 Resp: 152229

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	61.1	48.5	72.7

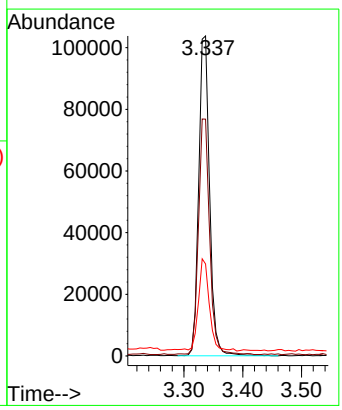


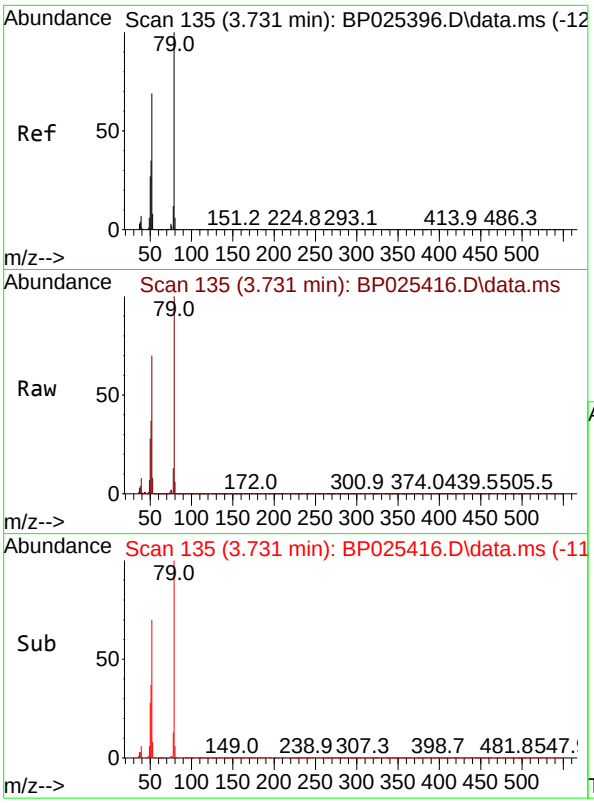


#2
1,4-Dioxane
Concen: 37.150 ng
RT: 3.337 min Scan# 68
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 88 Resp: 133387

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	28.9	21.7	32.5



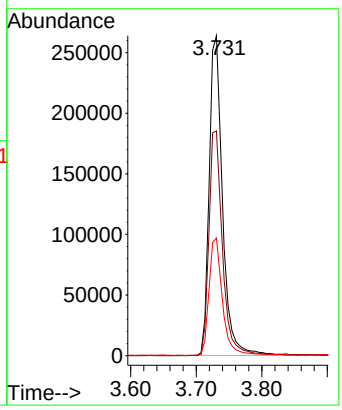


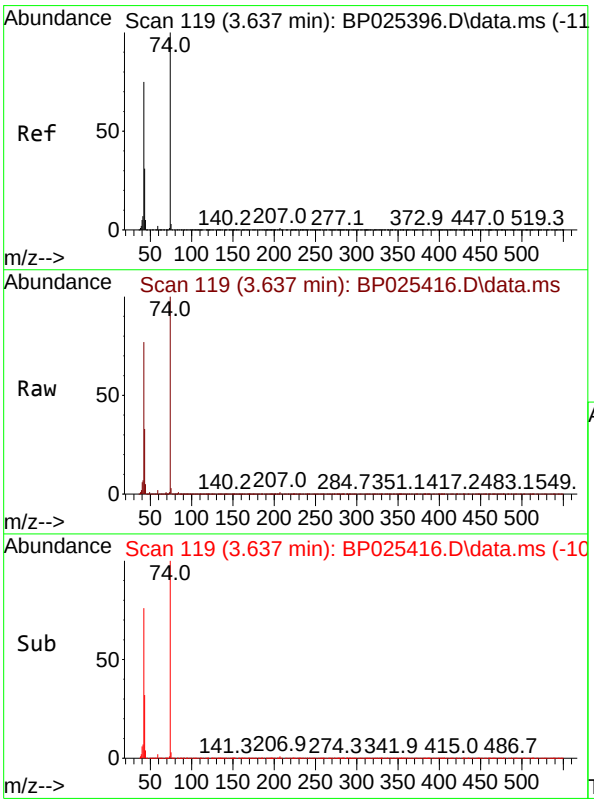
#3
Pyridine
Concen: 37.962 ng
RT: 3.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 79 Resp: 373071

Ion	Ratio	Lower	Upper
79	100		
52	70.3	55.5	83.3
51	36.8	28.3	42.5

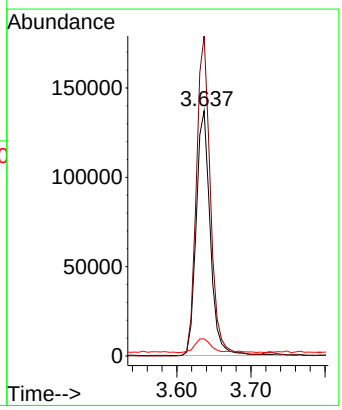


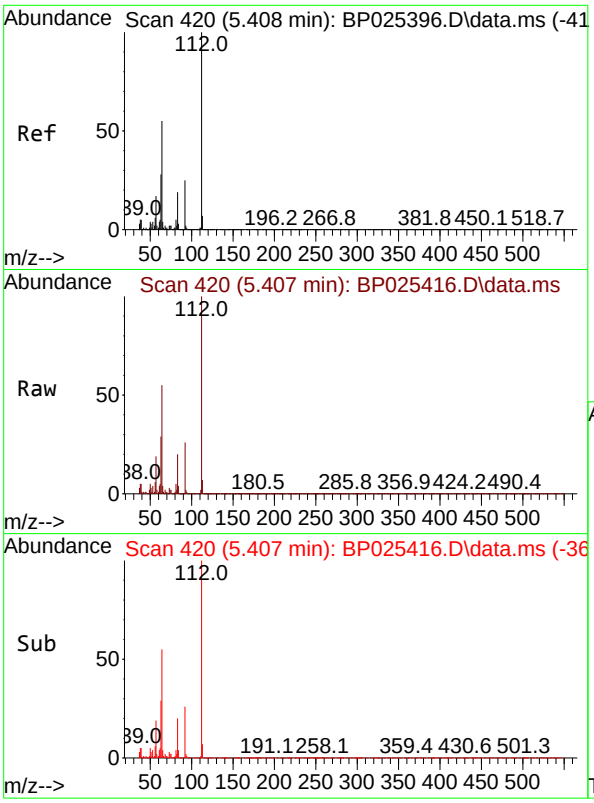


#4
n-Nitrosodimethylamine
Concen: 44.636 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 42 Resp: 180846

Ion	Ratio	Lower	Upper
42	100		
74	130.6	107.0	160.4
44	7.0	6.2	9.4



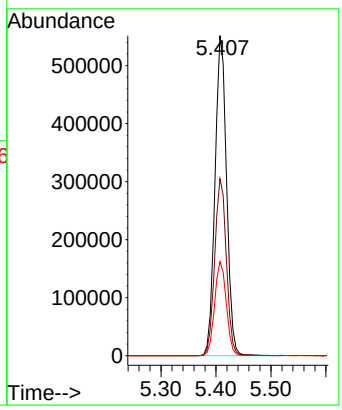


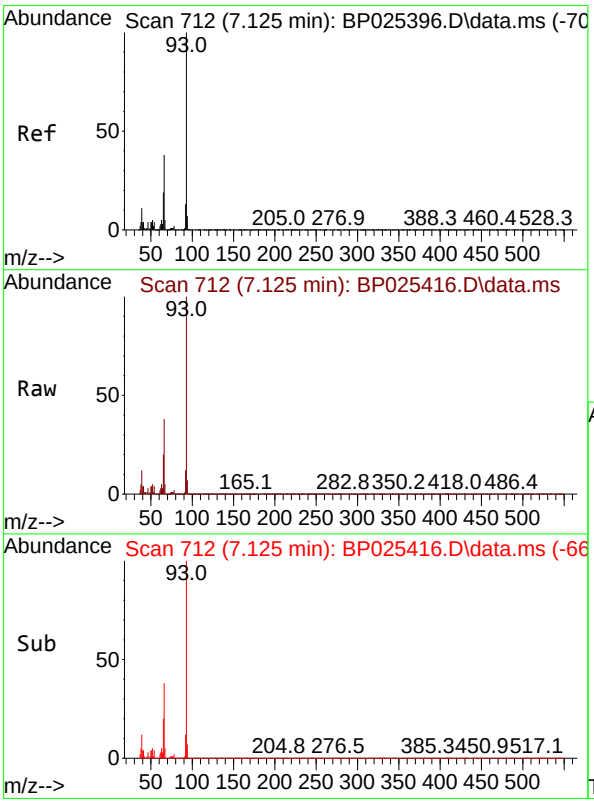
#5
2-Fluorophenol
Concen: 88.108 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:112 Resp: 807645

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.8	65.8
63	29.4	22.7	34.1

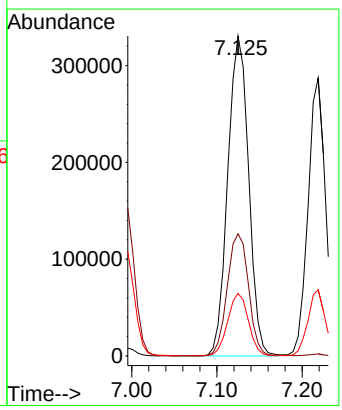


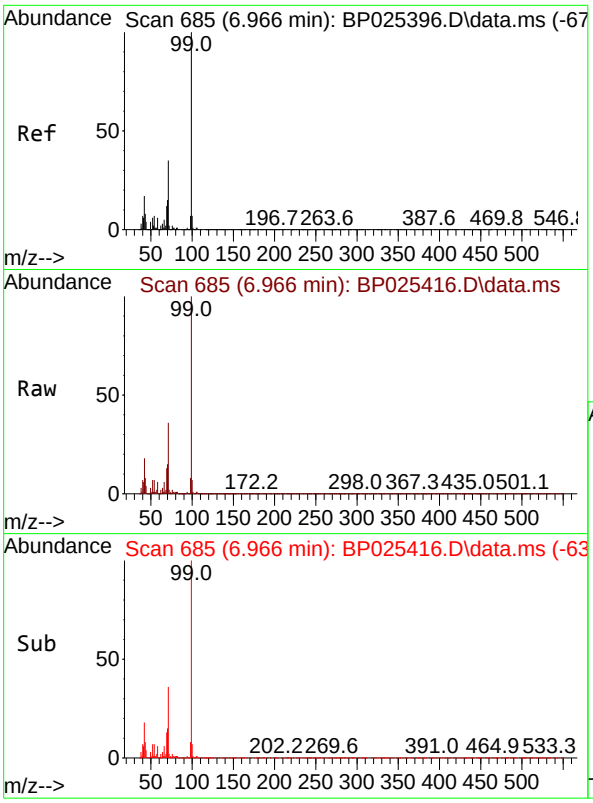


#6
Aniline
Concen: 35.538 ng
RT: 7.125 min Scan# 712
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 93 Resp: 562721

Ion	Ratio	Lower	Upper
93	100		
66	38.2	30.4	45.6
65	19.5	15.3	22.9



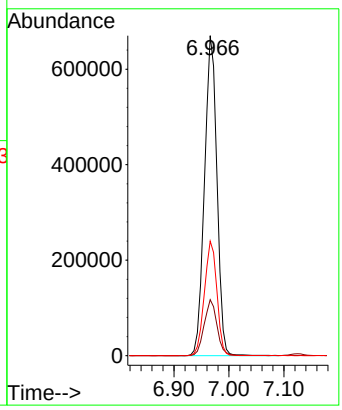


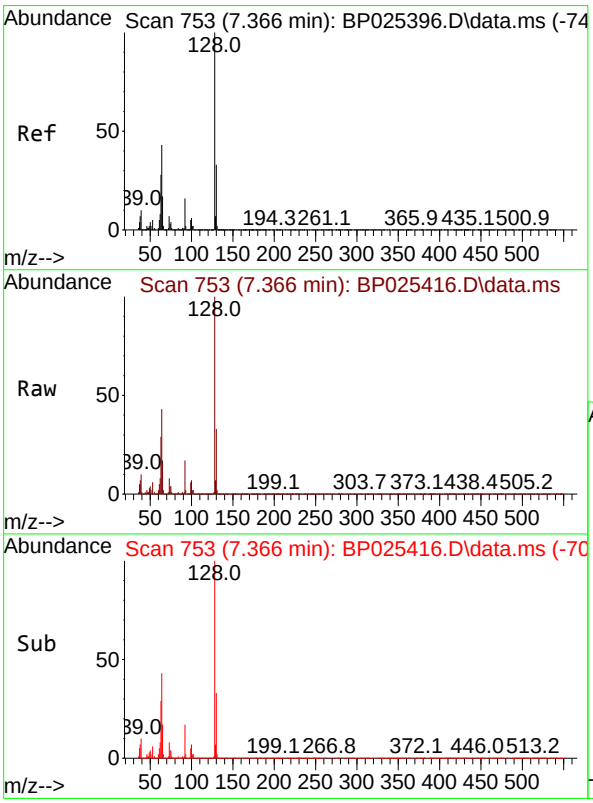
#7
Phenol-d6
Concen: 89.644 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 99 Resp: 1053520

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.7	20.5
71	35.8	28.2	42.4

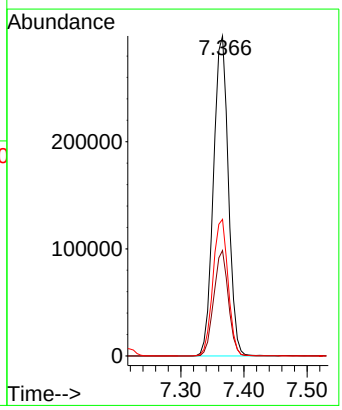


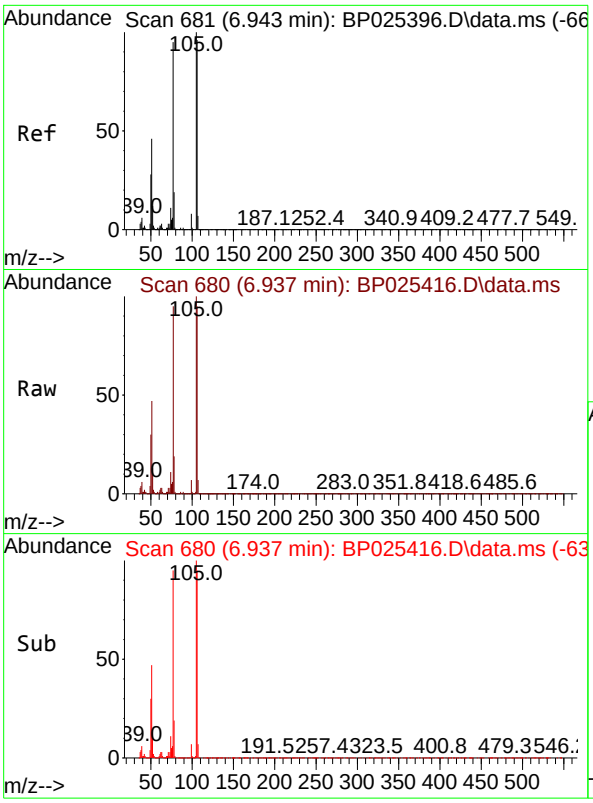


#8
2-Chlorophenol
Concen: 47.363 ng
RT: 7.366 min Scan# 753
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:128 Resp: 489929

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	42.7	23.4	63.4



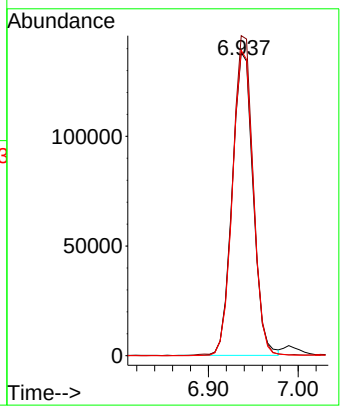


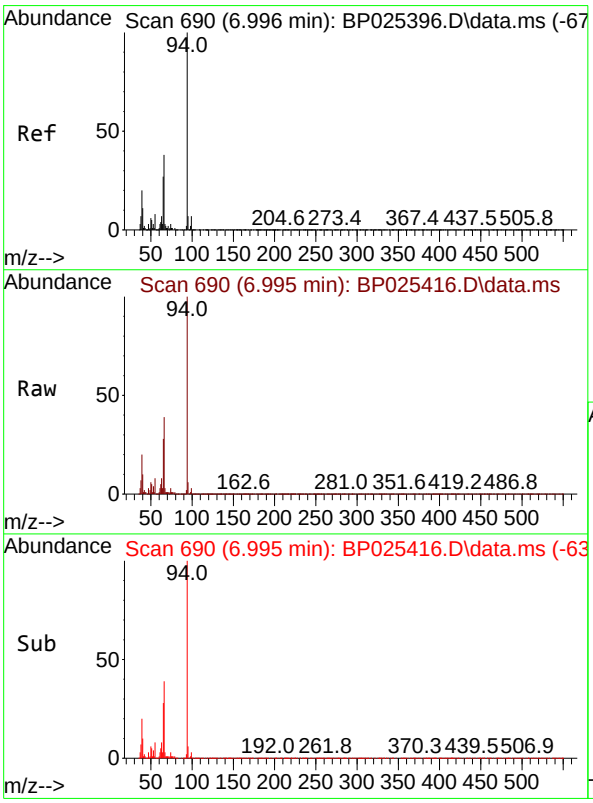
#9
Benzaldehyde
Concen: 27.098 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 77 Resp: 223121

Ion	Ratio	Lower	Upper
77	100		
105	105.6	84.8	124.8
106	100.7	80.5	120.5

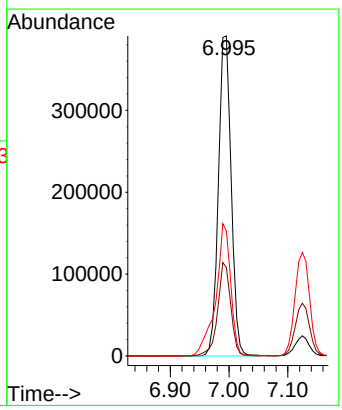


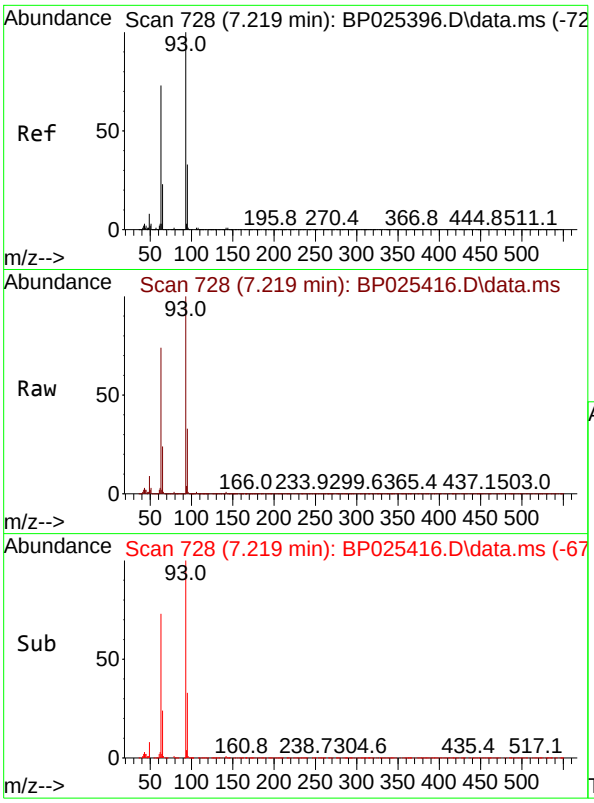


#10
Phenol
Concen: 48.018 ng
RT: 6.995 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 94 Resp: 592156

Ion	Ratio	Lower	Upper
94	100		
65	27.7	6.8	46.8
66	39.1	18.2	58.2



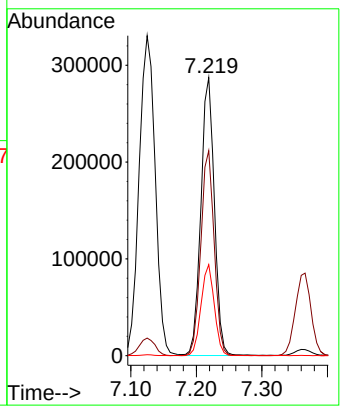


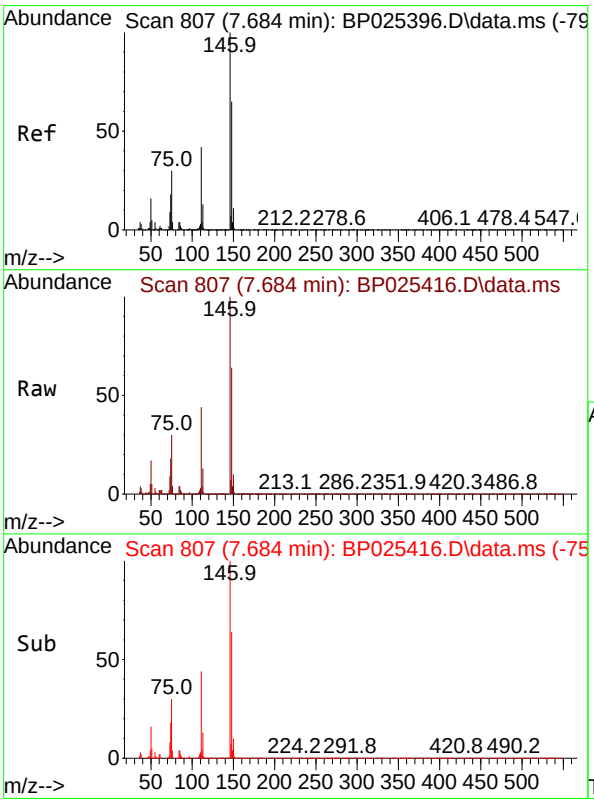
#11
bis(2-Chloroethyl)ether
Concen: 42.890 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 93 Resp: 412250

Ion	Ratio	Lower	Upper
93	100		
63	73.7	52.6	92.6
95	32.7	12.7	52.7

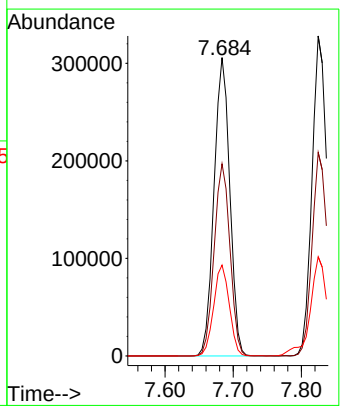


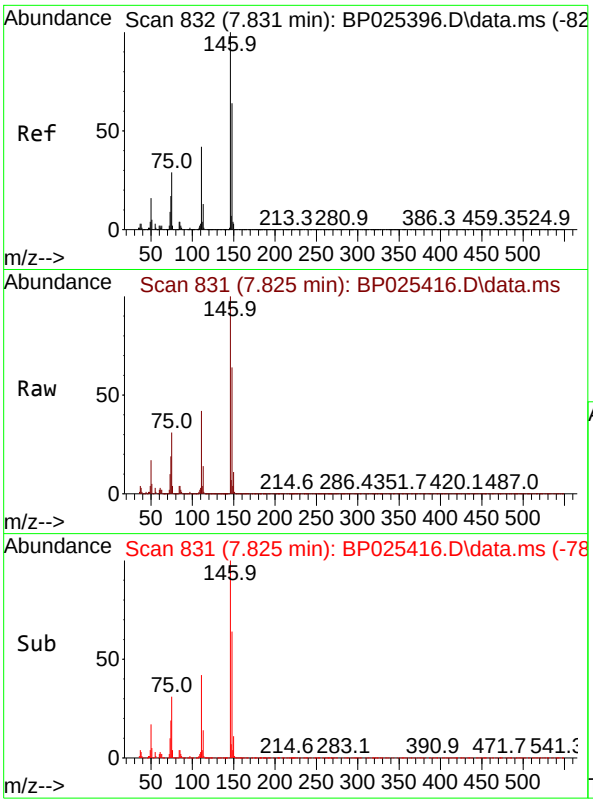


#12
1,3-Dichlorobenzene
Concen: 43.176 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:146 Resp: 492466

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	30.4	23.7	35.5



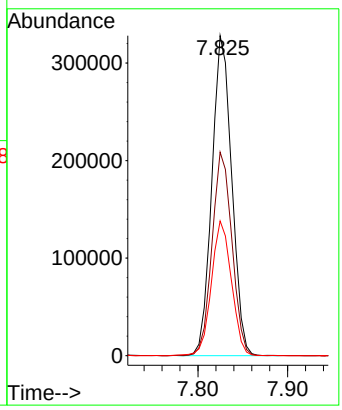


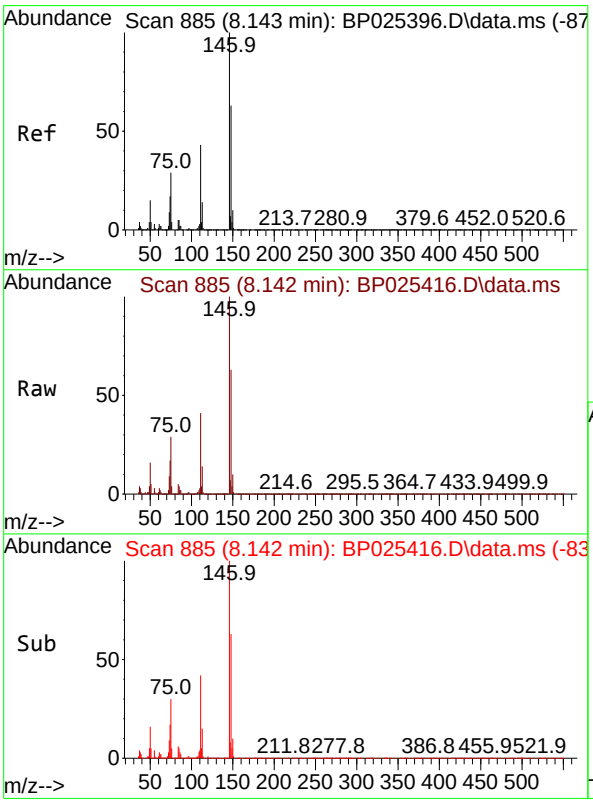
#13
1,4-Dichlorobenzene
Concen: 43.215 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:146 Resp: 503812

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.6	77.4
111	42.1	33.4	50.0

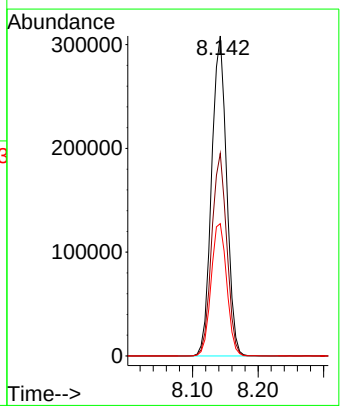


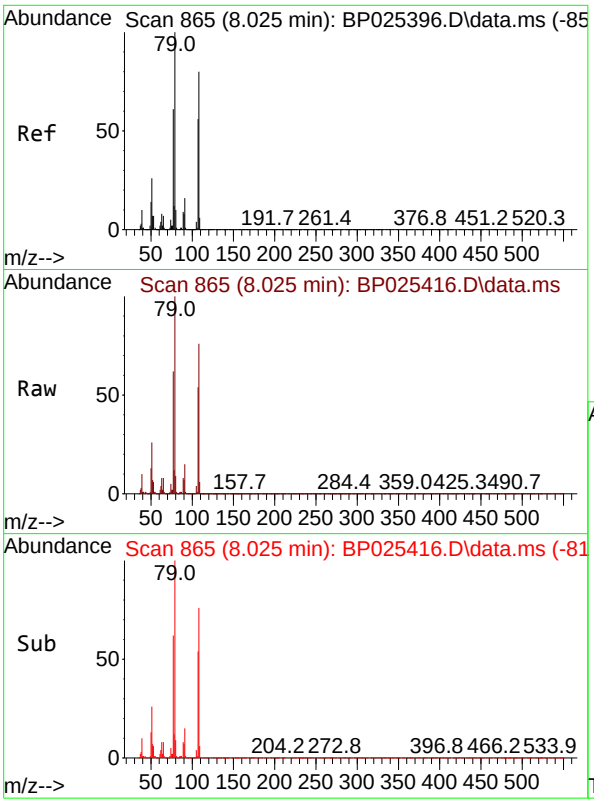


#14
1,2-Dichlorobenzene
Concen: 43.388 ng
RT: 8.142 min Scan# 885
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:146 Resp: 489651

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.4	75.6
111	41.4	34.5	51.7



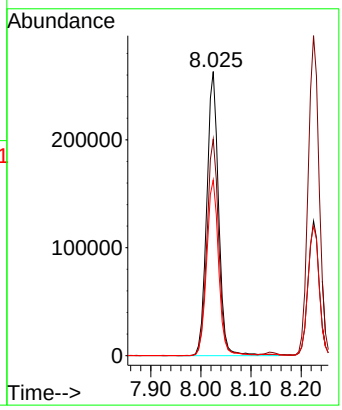


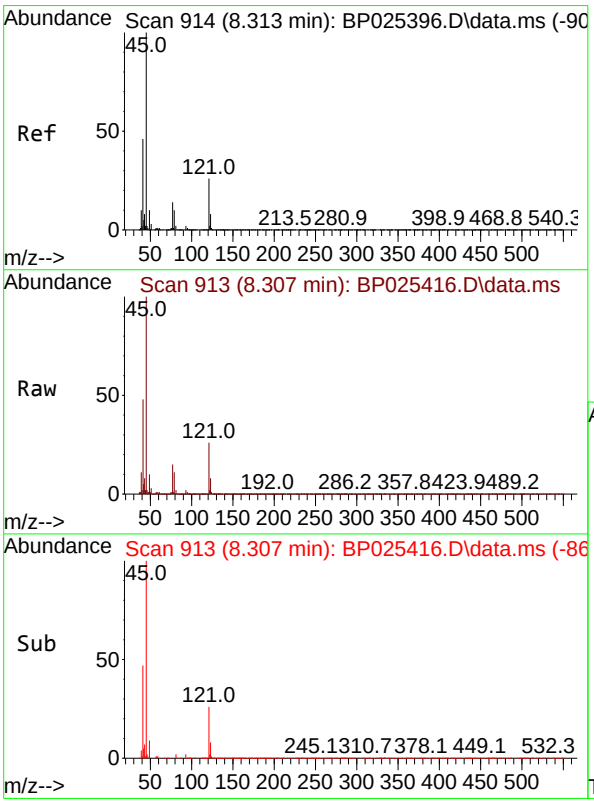
#15
Benzyl Alcohol
Concen: 46.169 ng
RT: 8.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 79 Resp: 431125

Ion	Ratio	Lower	Upper
79	100		
108	76.2	63.8	95.6
77	61.9	49.0	73.4

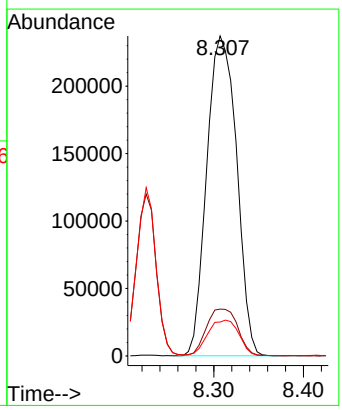


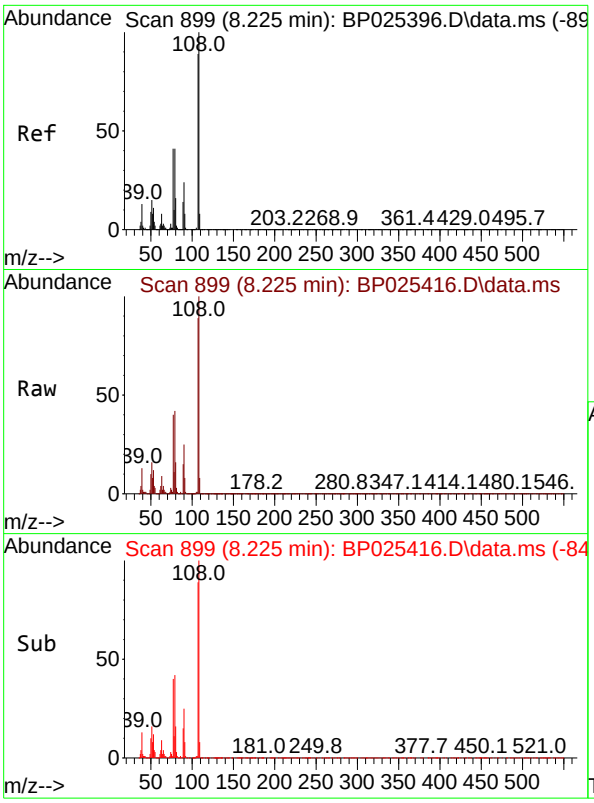


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.566 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 45 Resp: 548076

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.6	0.0	31.8



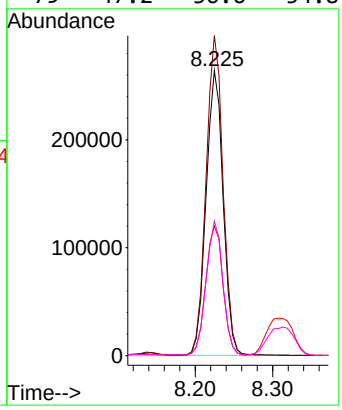


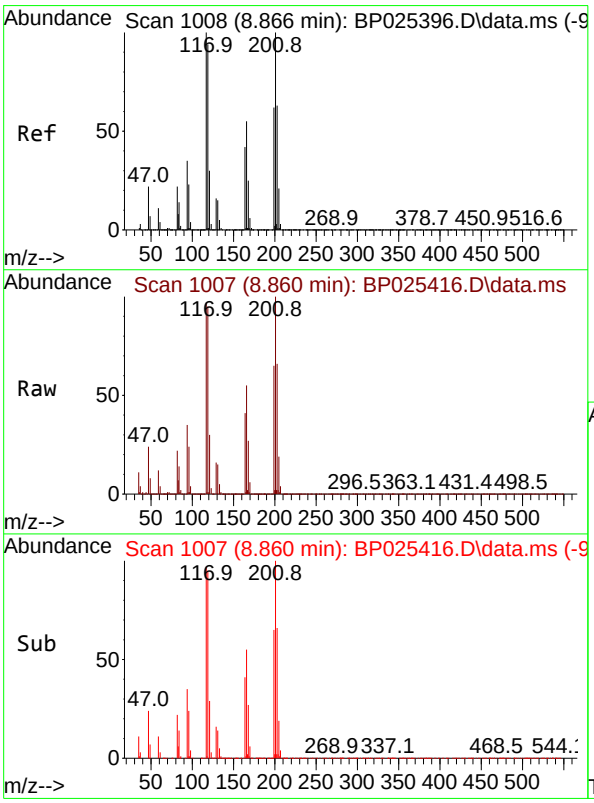
#17
2-Methylphenol
Concen: 47.084 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:107 Resp: 403259

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.4	134.0
77	45.4	36.3	54.5
79	47.2	36.6	54.8

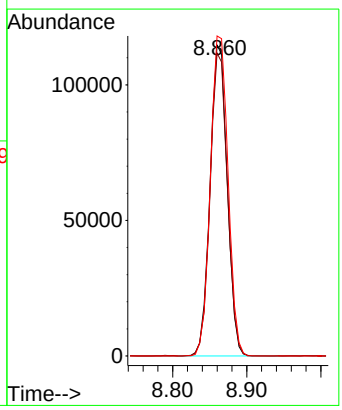


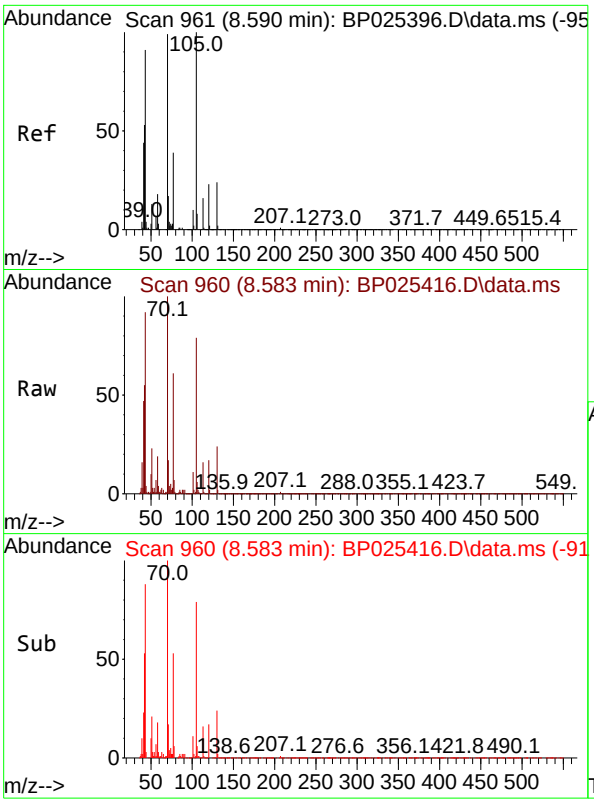


#18
Hexachloroethane
Concen: 43.040 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:117 Resp: 184490

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.1	112.7
201	103.0	80.1	120.1



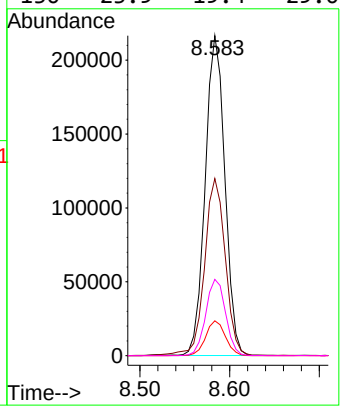


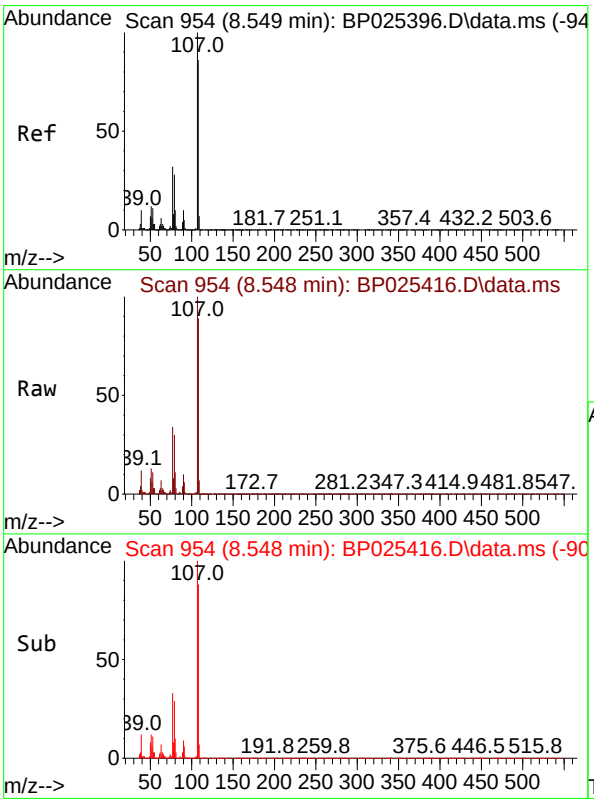
#19
n-Nitroso-di-n-propylamine
Concen: 42.334 ng
RT: 8.583 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 70 Resp: 329547

Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.8	65.6
101	10.9	8.5	12.7
130	23.9	19.4	29.0

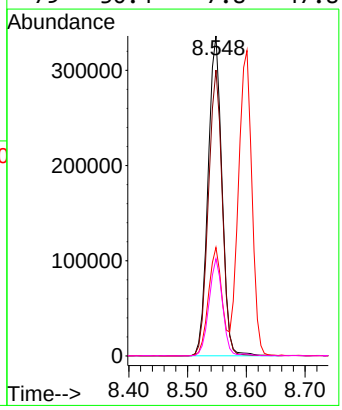


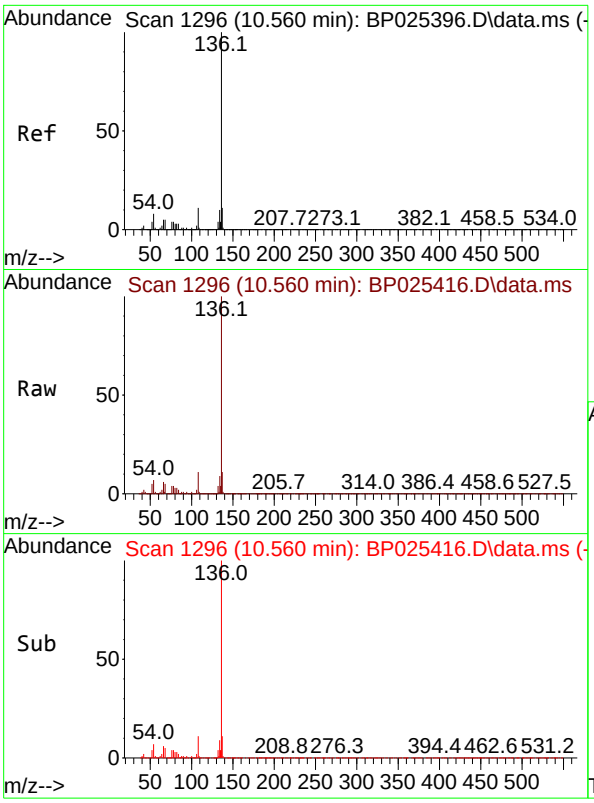


#20
3+4-Methylphenols
Concen: 46.519 ng
RT: 8.548 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:107 Resp: 552270

Ion	Ratio	Lower	Upper
107	100		
108	89.3	66.3	106.3
77	33.9	12.3	52.3
79	30.4	7.8	47.8



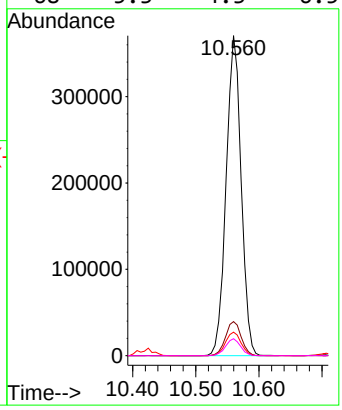


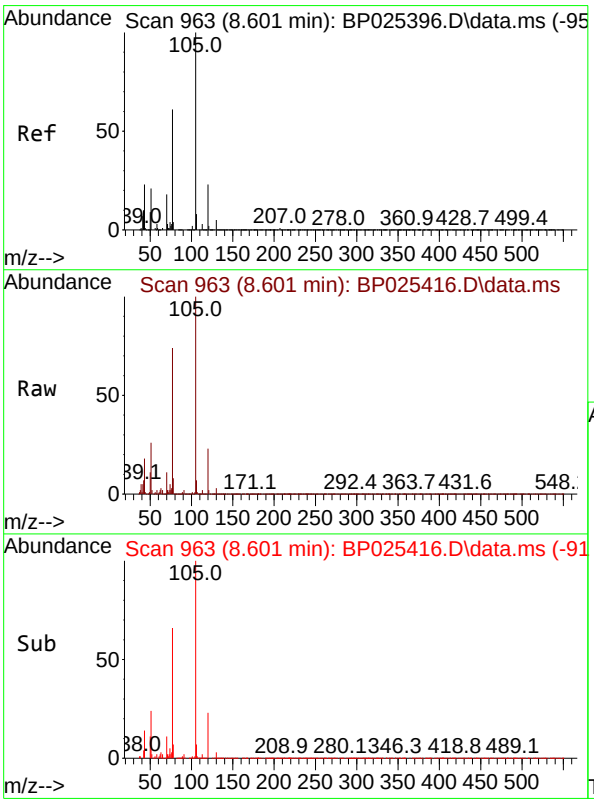
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:136 Resp: 611748

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.4	6.0	9.0
68	5.3	4.3	6.5

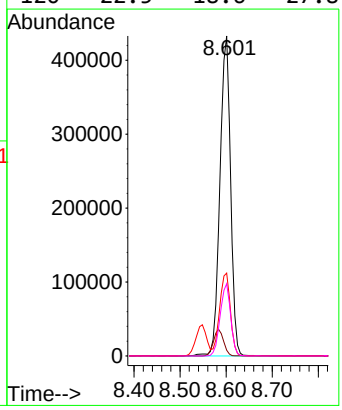


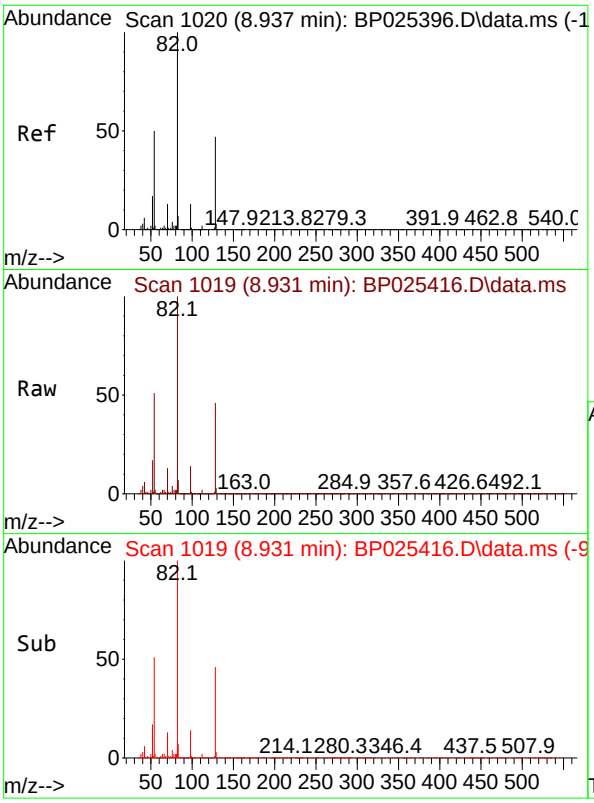


#22
Acetophenone
Concen: 45.089 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:105 Resp: 691731

Ion	Ratio	Lower	Upper
105	100		
71	1.8	2.6	4.0#
51	25.9	20.6	30.8
120	22.5	18.6	27.8



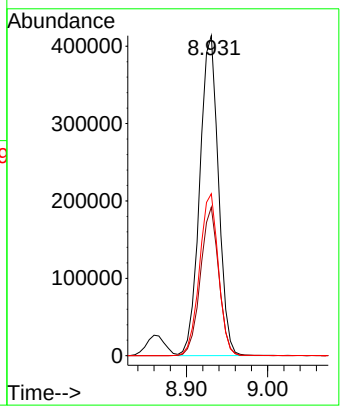


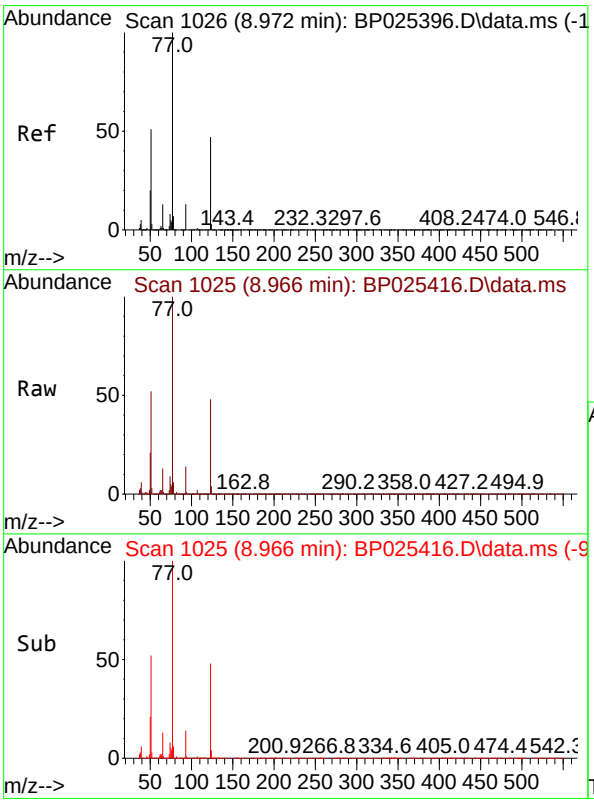
#23
Nitrobenzene-d5
Concen: 54.506 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 82 Resp: 659161

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.7	56.5
54	50.6	39.8	59.6

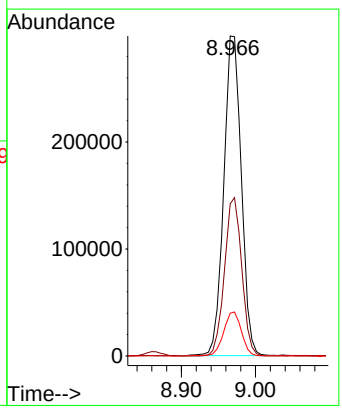


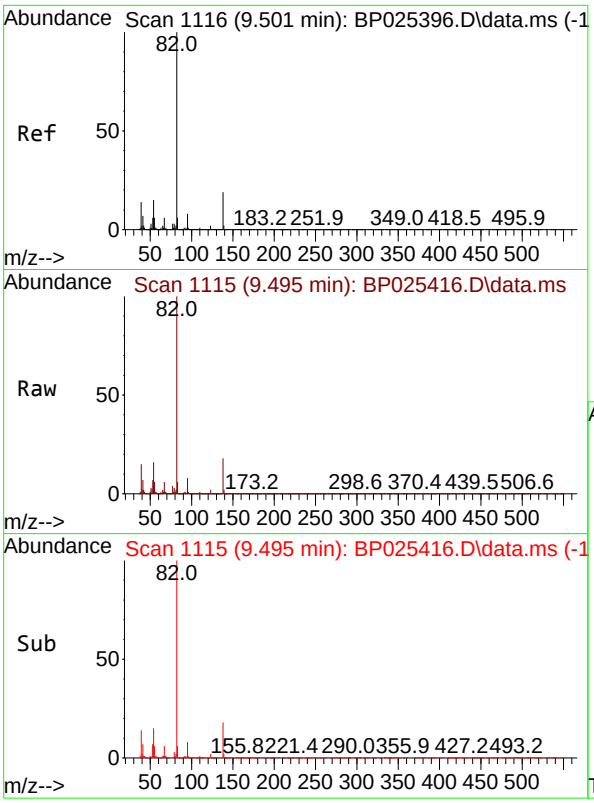


#24
Nitrobenzene
Concen: 45.537 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 77 Resp: 492167

Ion	Ratio	Lower	Upper
77	100		
123	47.5	38.6	58.0
65	13.4	10.6	15.8



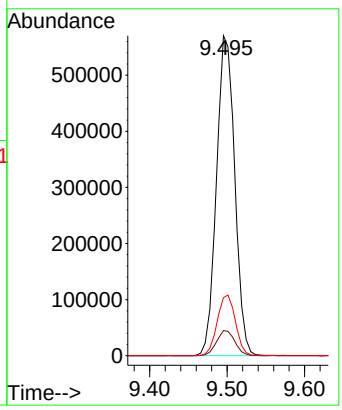


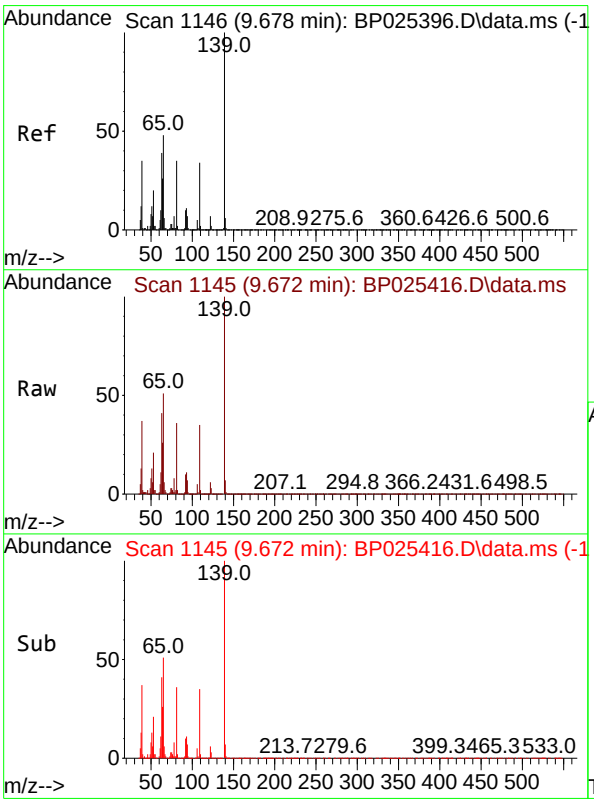
#25
Isophorone
Concen: 43.780 ng
RT: 9.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 82 Resp: 936982

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.1	15.4	23.0

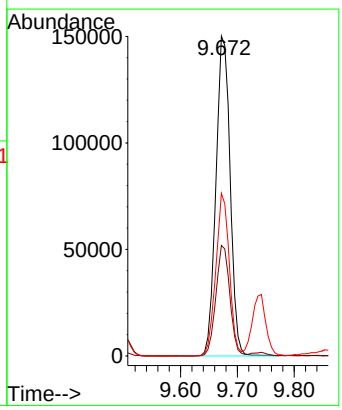


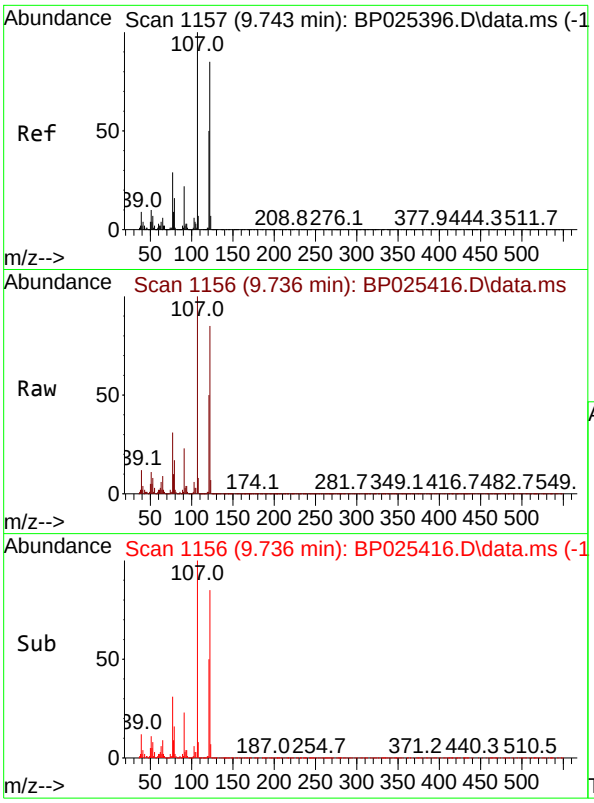


#26
2-Nitrophenol
Concen: 47.070 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:139 Resp: 261087

Ion	Ratio	Lower	Upper
139	100		
109	34.5	26.9	40.3
65	50.8	38.3	57.5



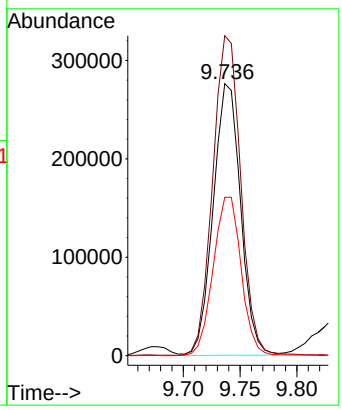


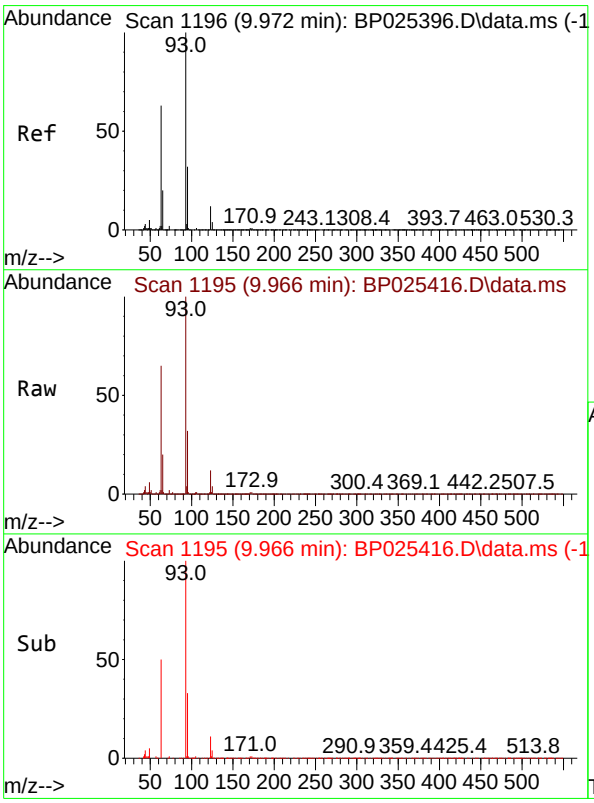
#27
2,4-Dimethylphenol
Concen: 48.685 ng
RT: 9.736 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:122 Resp: 464398

Ion	Ratio	Lower	Upper
122	100		
107	117.6	93.7	140.5
121	58.2	46.6	69.8

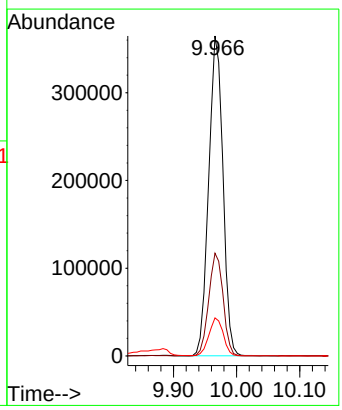


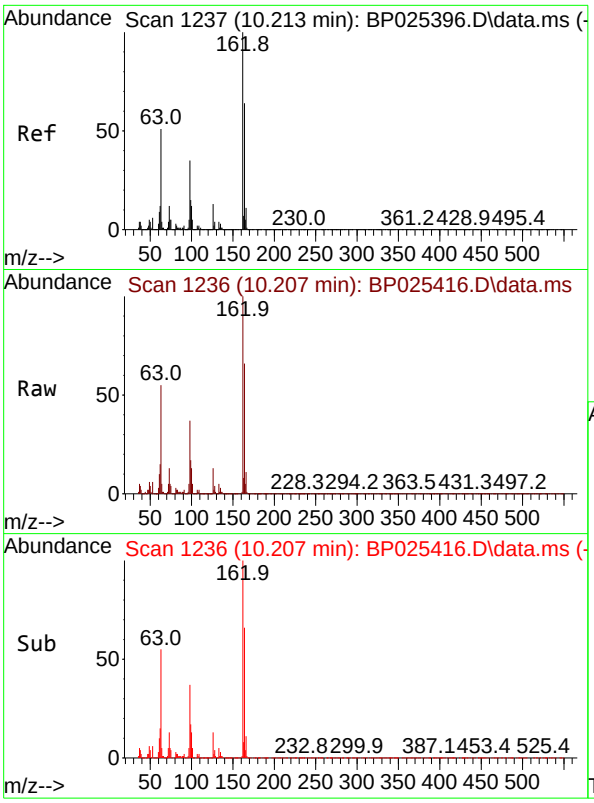


#28
bis(2-Chloroethoxy)methane
Concen: 44.160 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 93 Resp: 571301

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	11.9	9.4	14.0



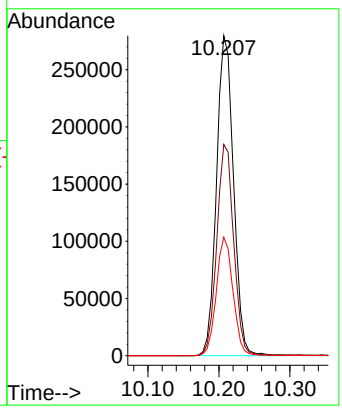


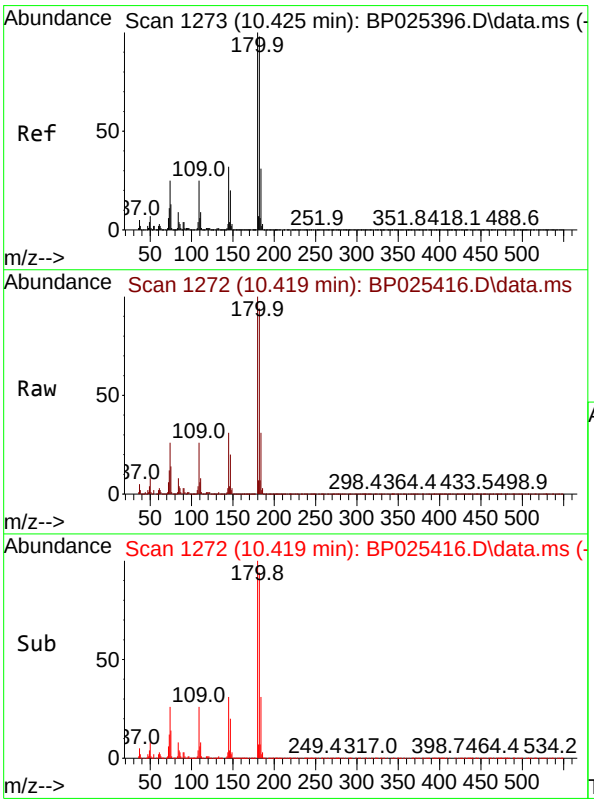
#29
2,4-Dichlorophenol
Concen: 48.875 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:162 Resp: 463126

Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.4	84.4
98	37.0	14.9	54.9

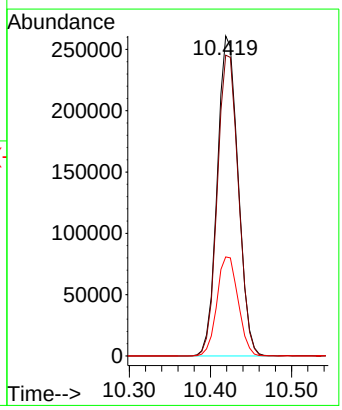


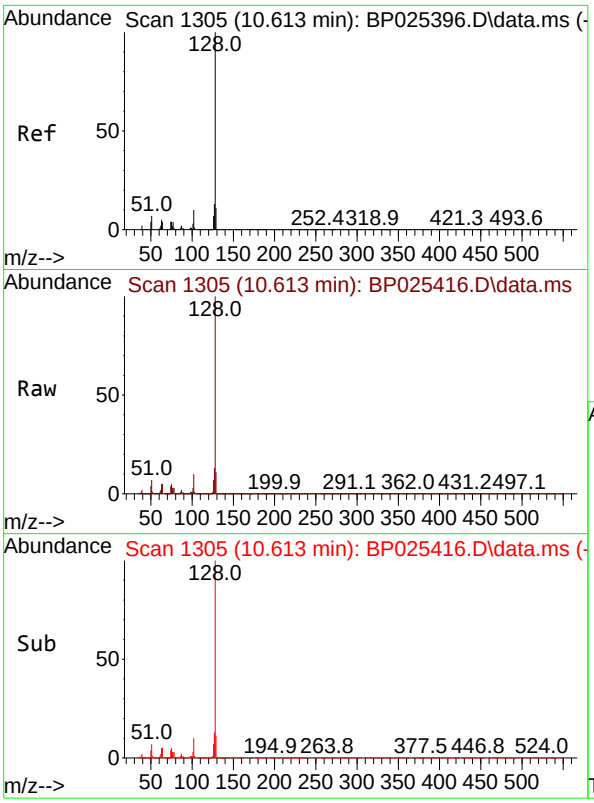


#30
1,2,4-Trichlorobenzene
Concen: 44.788 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:180 Resp: 465232

Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.0	117.0
145	31.0	25.9	38.9



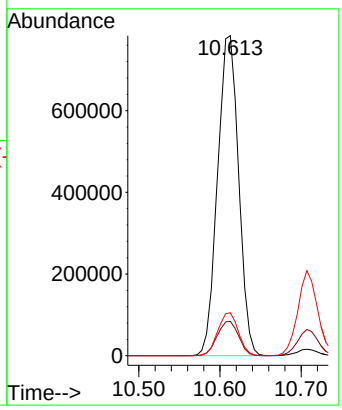


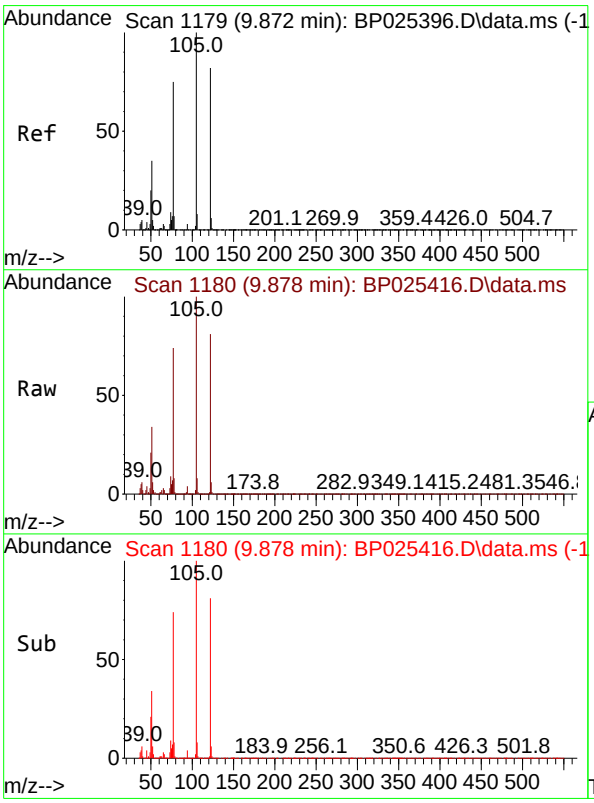
#31
Naphthalene
Concen: 44.490 ng
RT: 10.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:128 Resp: 1414587

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.4	10.7	16.1

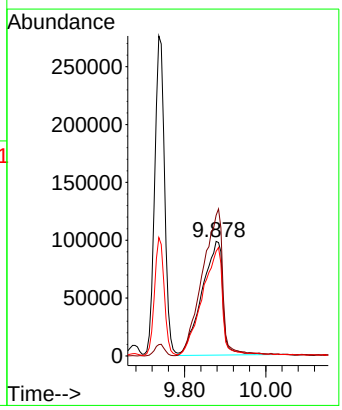


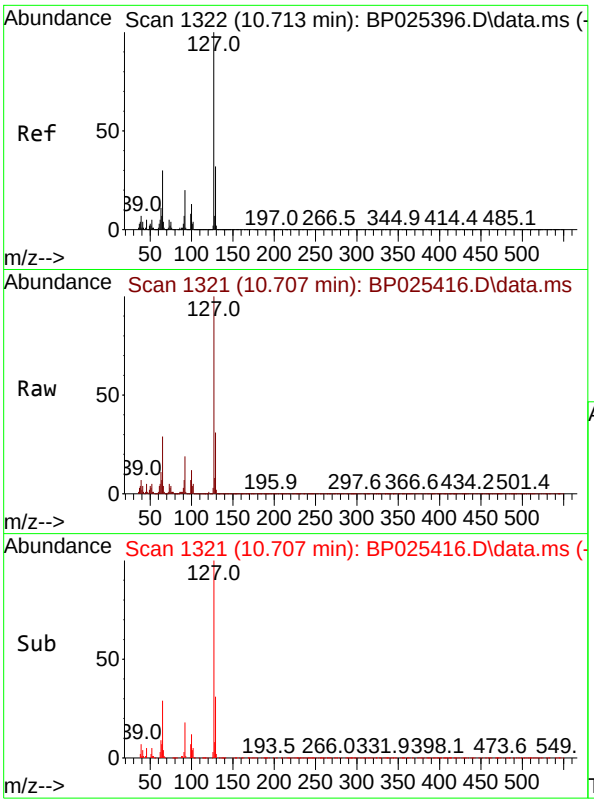


#32
Benzoic acid
Concen: 49.917 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:122 Resp: 351527

Ion	Ratio	Lower	Upper
122	100		
105	122.8	100.6	140.6
77	91.3	71.5	111.5



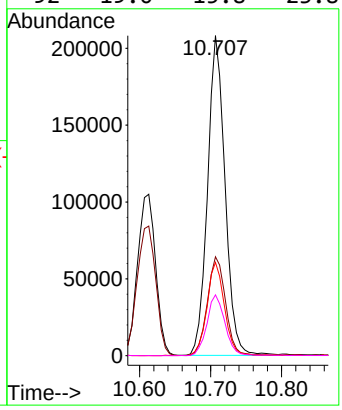


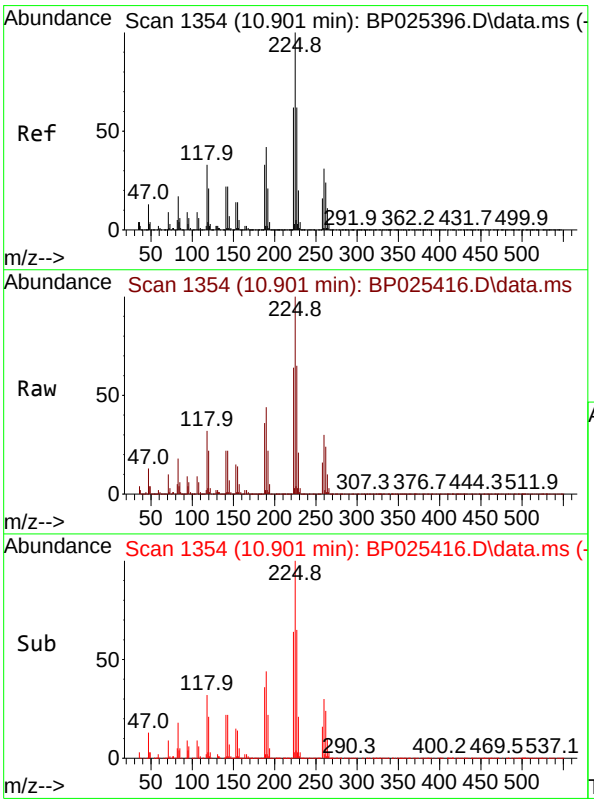
#33
4-Chloroaniline
Concen: 25.385 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:127 Resp: 356528

Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.4	38.2
65	29.2	23.8	35.6
92	19.0	15.8	23.8

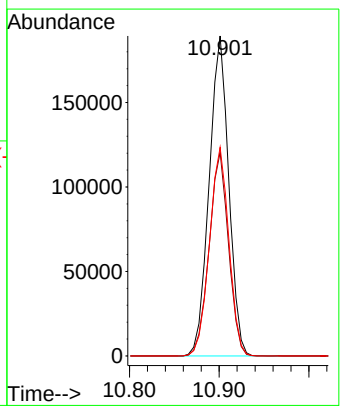


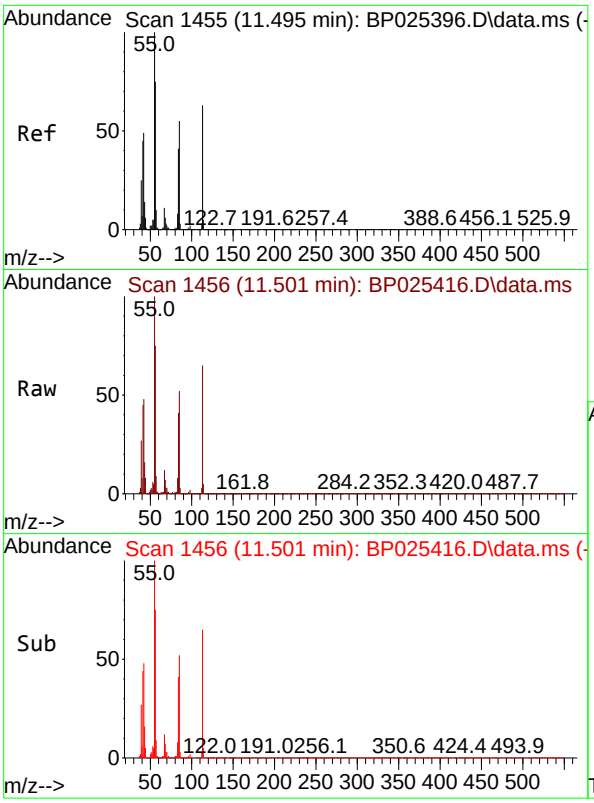


#34
Hexachlorobutadiene
Concen: 44.305 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:225 Resp: 286611

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	65.2	49.7	74.5



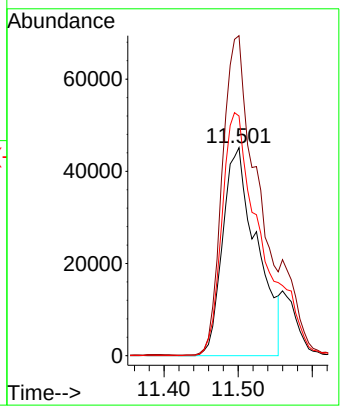


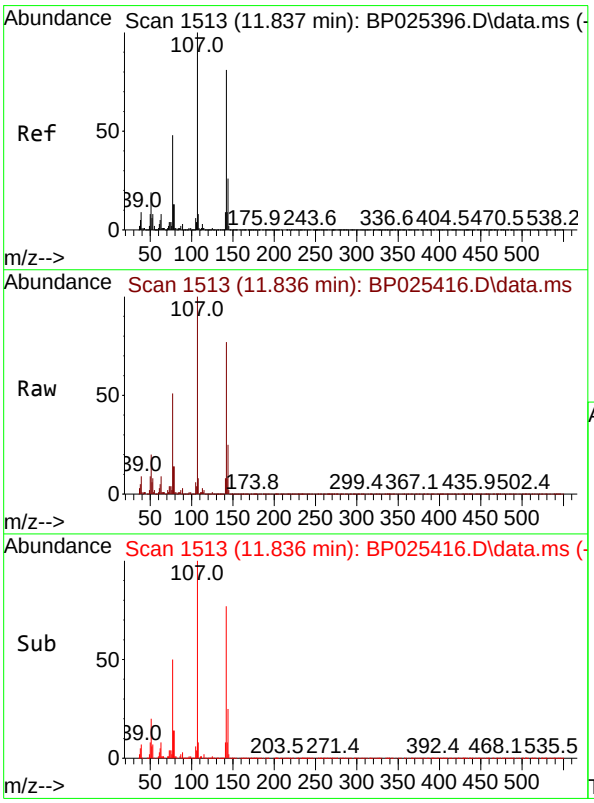
#35
Caprolactam
Concen: 41.453 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:113 Resp: 144032

Ion	Ratio	Lower	Upper
113	100		
55	153.8	140.0	180.0
56	115.2	100.0	140.0

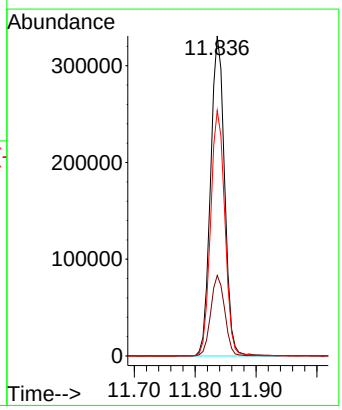


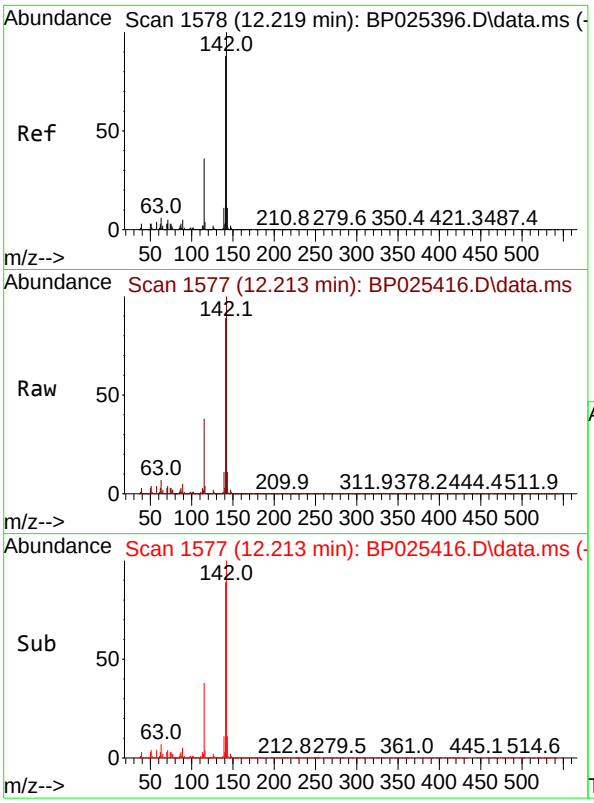


#36
4-Chloro-3-methylphenol
Concen: 48.688 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:107 Resp: 529393

Ion	Ratio	Lower	Upper
107	100		
144	25.2	21.0	31.4
142	76.7	64.6	97.0



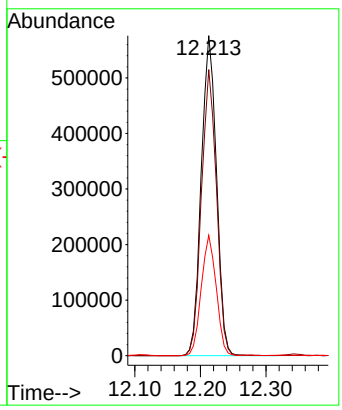


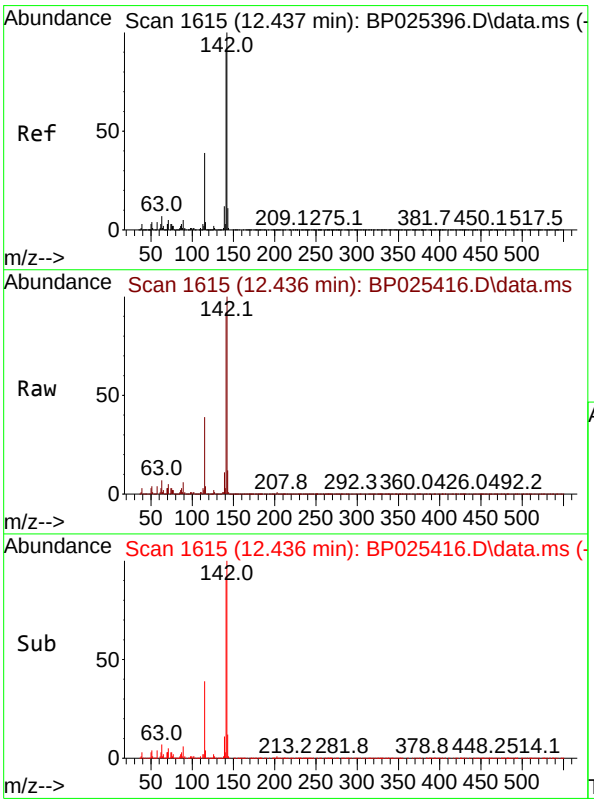
#37
2-Methylnaphthalene
Concen: 45.034 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:142 Resp: 931832

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	37.6	28.9	43.3

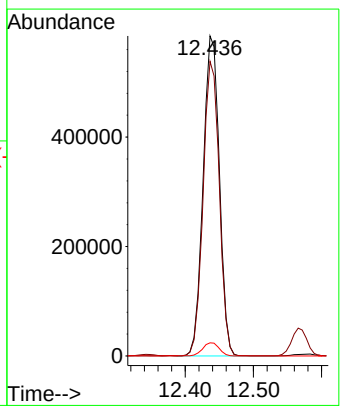


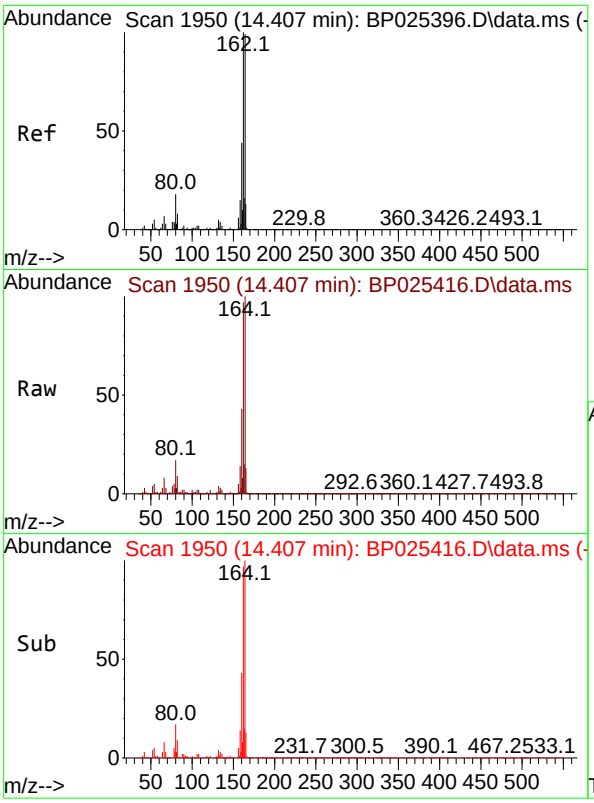


#38
1-Methylnaphthalene
Concen: 44.028 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:142 Resp: 968839

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7
116	4.1	3.2	4.8



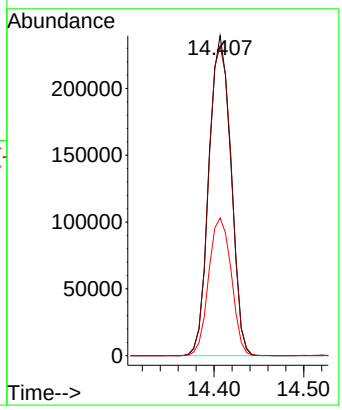


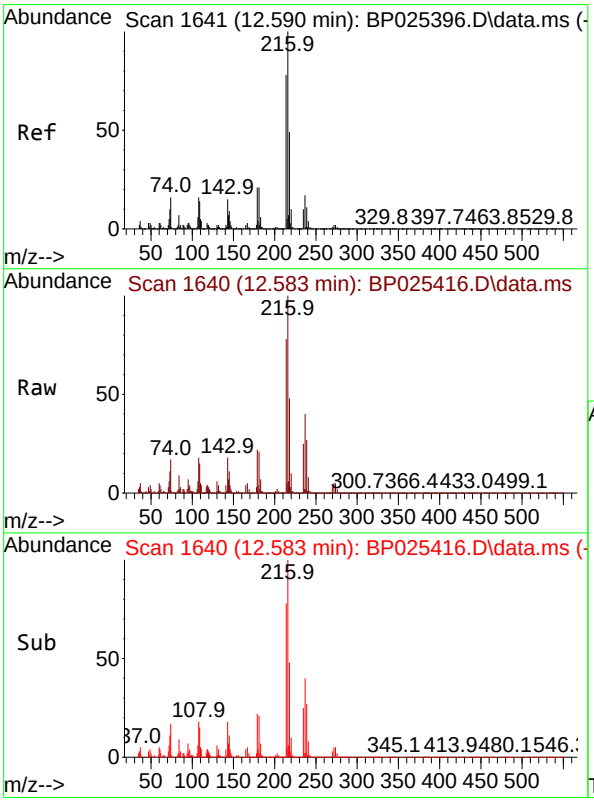
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:164 Resp: 408254

Ion	Ratio	Lower	Upper
164	100		
162	96.8	81.0	121.6
160	43.0	35.4	53.2

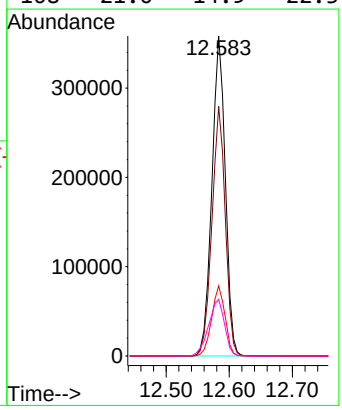


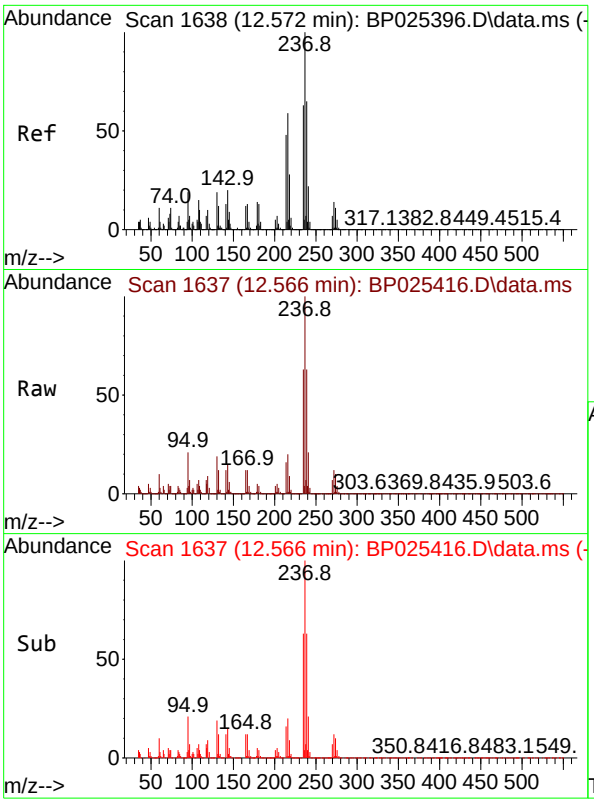


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.798 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:216 Resp: 528206

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.0	94.4
179	21.8	17.1	25.7
108	21.0	14.9	22.3



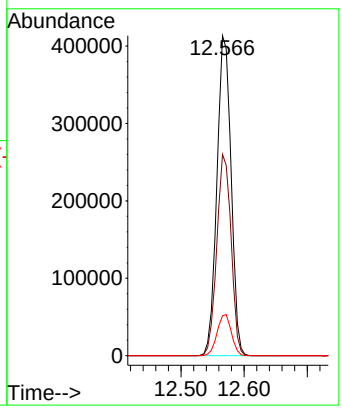


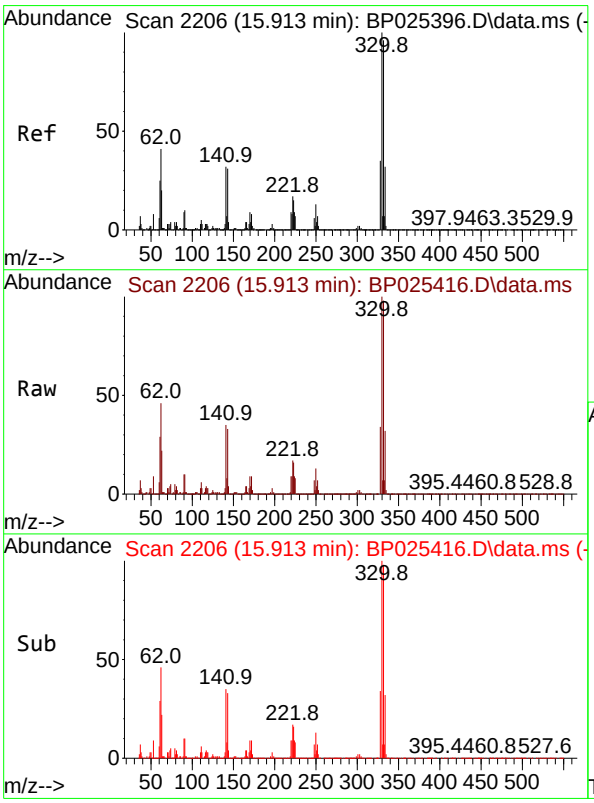
#41
Hexachlorocyclopentadiene
Concen: 90.202 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:237 Resp: 642432

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.7	82.7
272	12.5	0.0	34.0

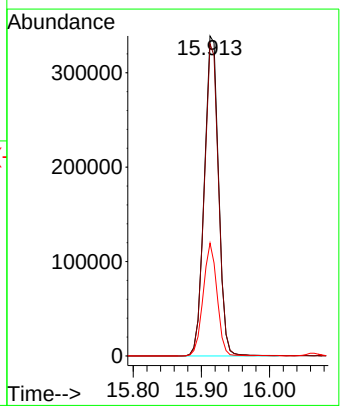


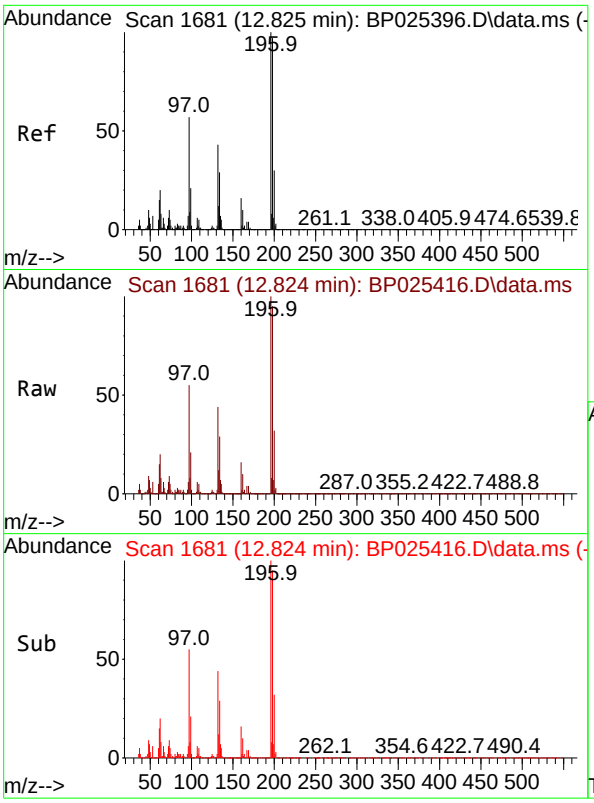


#42
2,4,6-Tribromophenol
Concen: 89.731 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:330 Resp: 493086

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	34.4	26.6	39.8



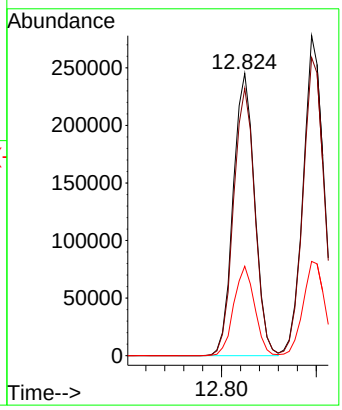


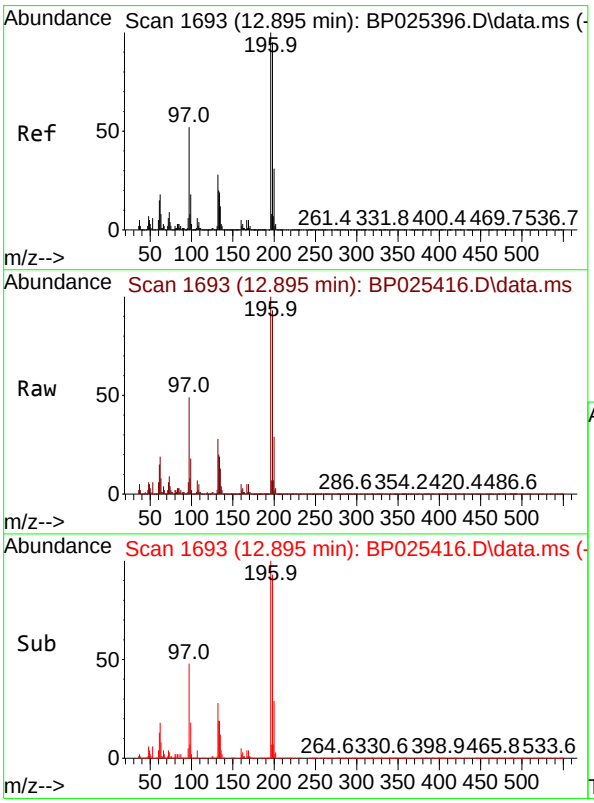
#43
2,4,6-Trichlorophenol
Concen: 48.407 ng
RT: 12.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:196 Resp: 385328

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.7	23.9	35.9

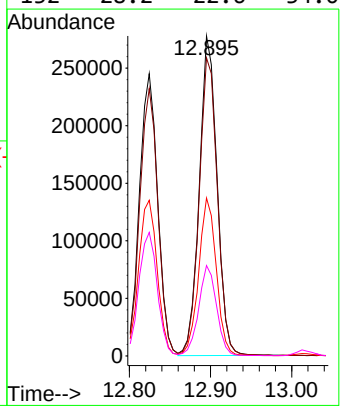


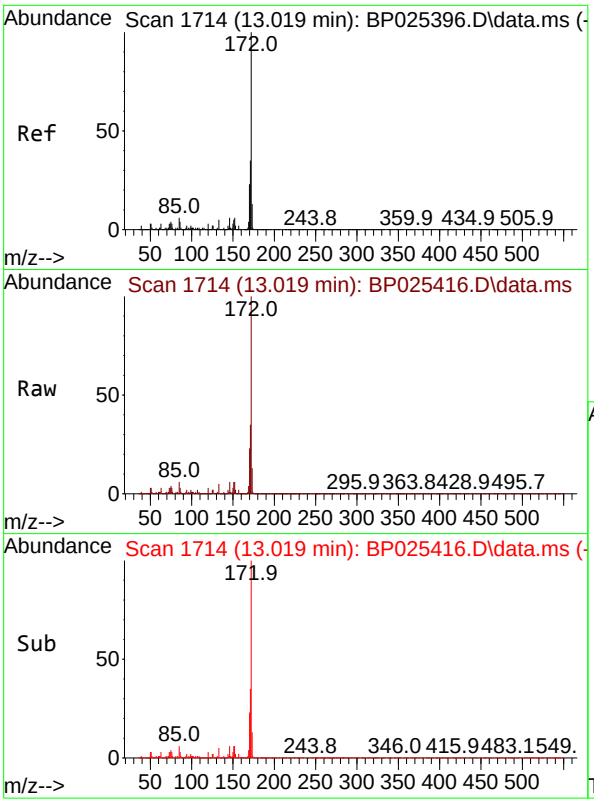


#44
2,4,5-Trichlorophenol
Concen: 48.409 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:196 Resp: 422320

Ion	Ratio	Lower	Upper
196	100		
198	93.2	76.2	114.2
97	49.4	41.2	61.8
132	28.2	22.6	34.0



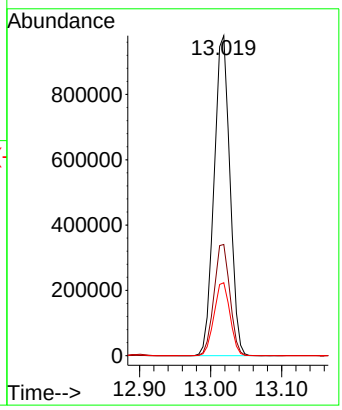


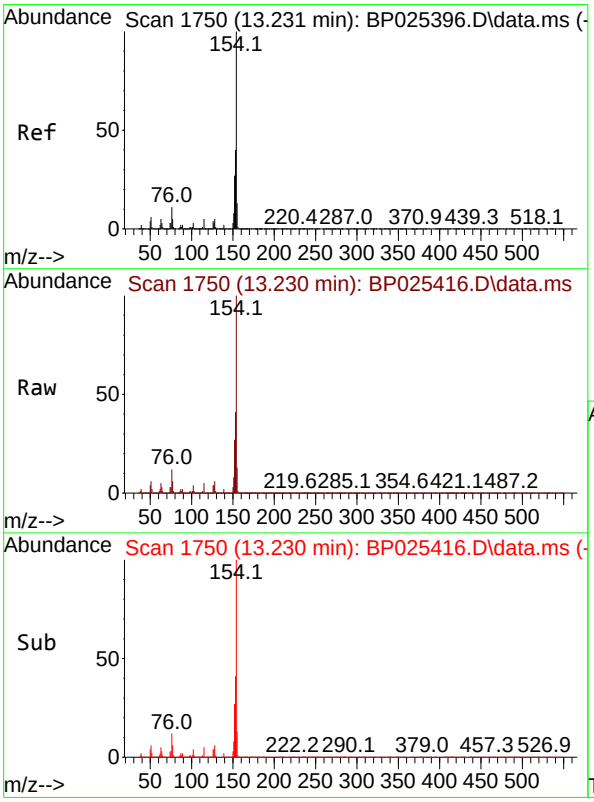
#45
2-Fluorobiphenyl
Concen: 50.806 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:172 Resp: 1517679

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	22.8	18.6	28.0

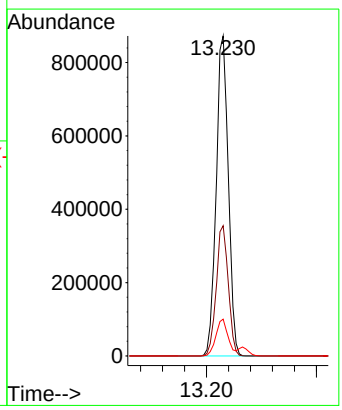


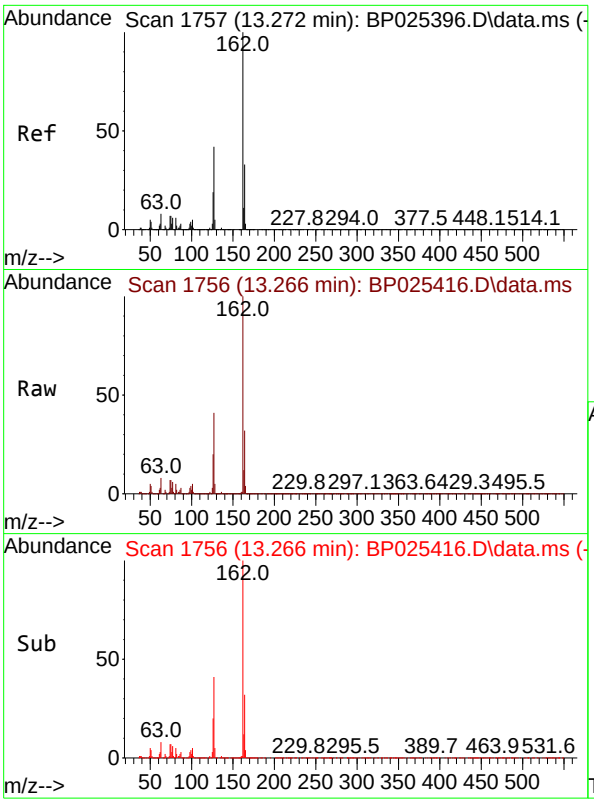


#46
1,1'-Biphenyl
Concen: 44.989 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:154 Resp: 1333915

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	11.5	0.0	31.1



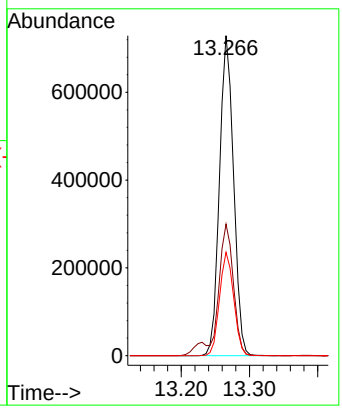


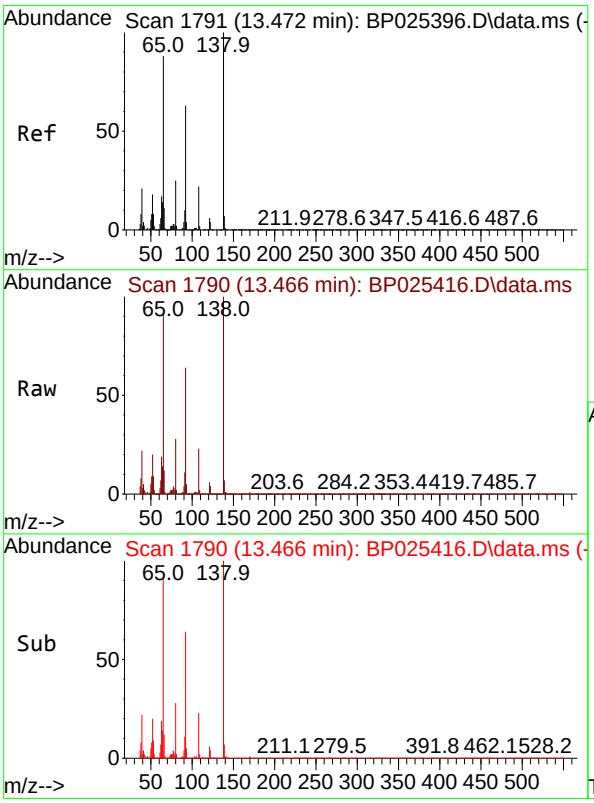
#47
2-Chloronaphthalene
Concen: 45.421 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:162 Resp: 1048414

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.3	26.2	39.2

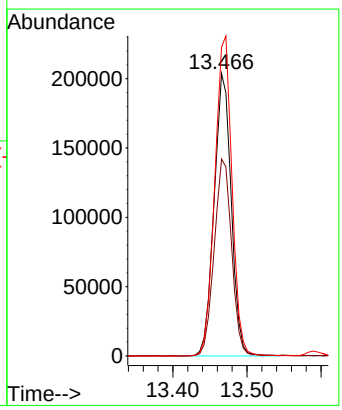


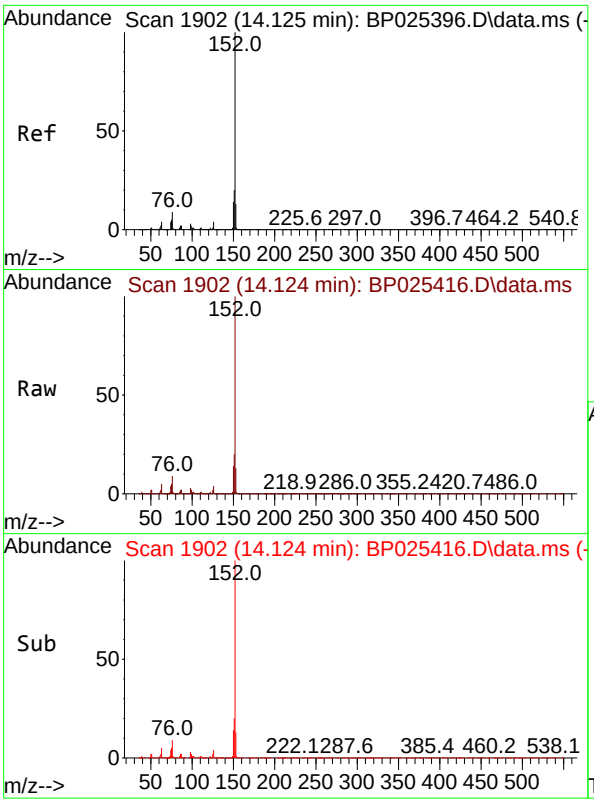


#48
2-Nitroaniline
Concen: 48.653 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion: 65 Resp: 327216

Ion	Ratio	Lower	Upper
65	100		
92	69.8	57.6	86.4
138	109.5	91.0	136.6



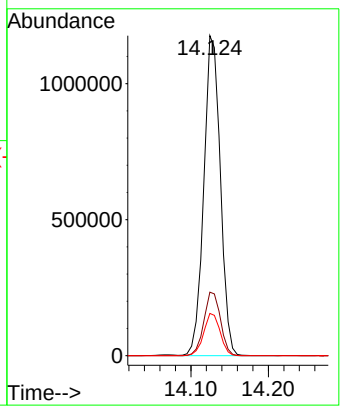


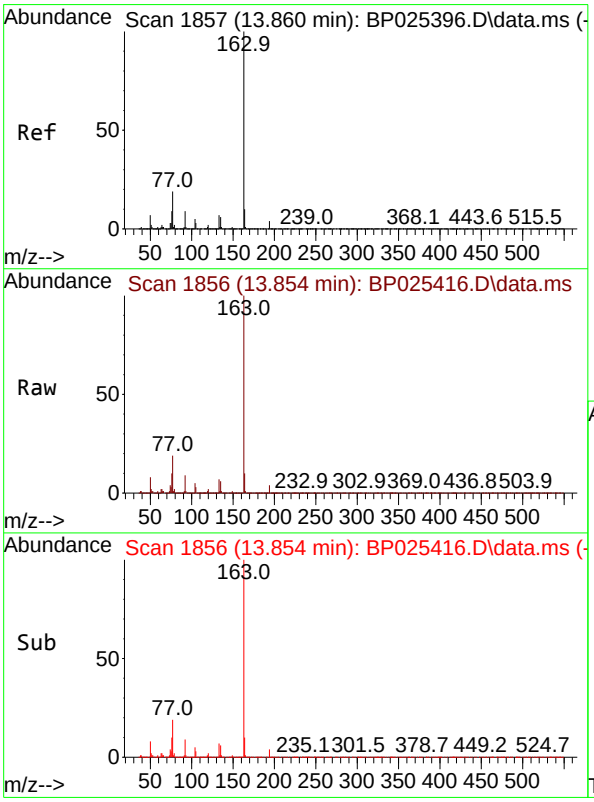
#49
Acenaphthylene
Concen: 45.584 ng
RT: 14.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:152 Resp: 1741031

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.2	10.6	15.8

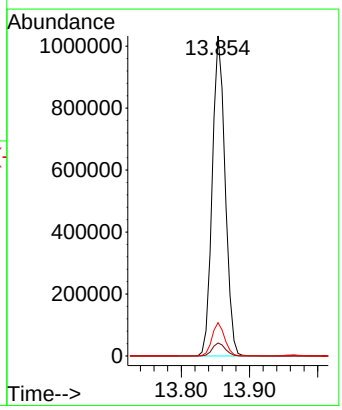


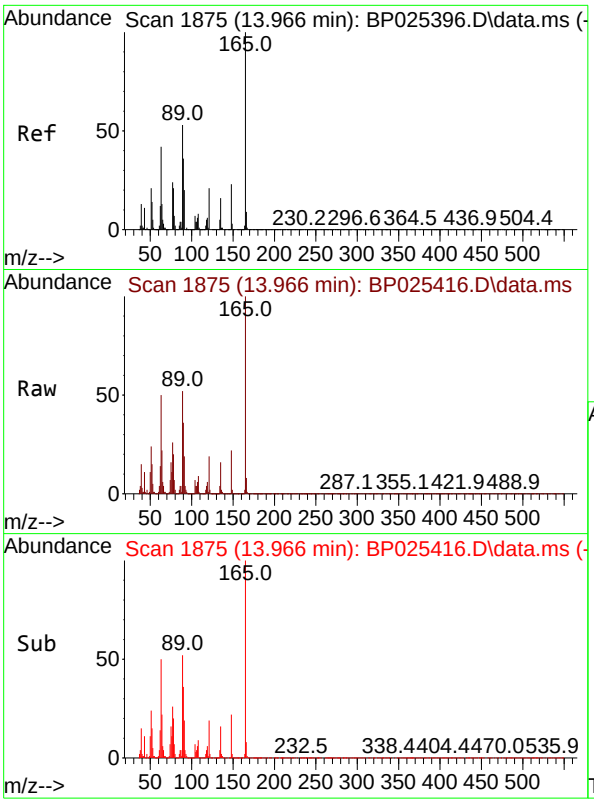


#50
Dimethylphthalate
Concen: 45.264 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:163 Resp: 1353224

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	7.9	11.9



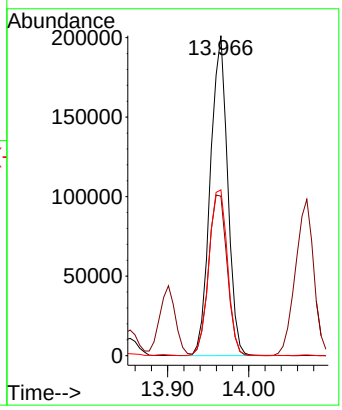


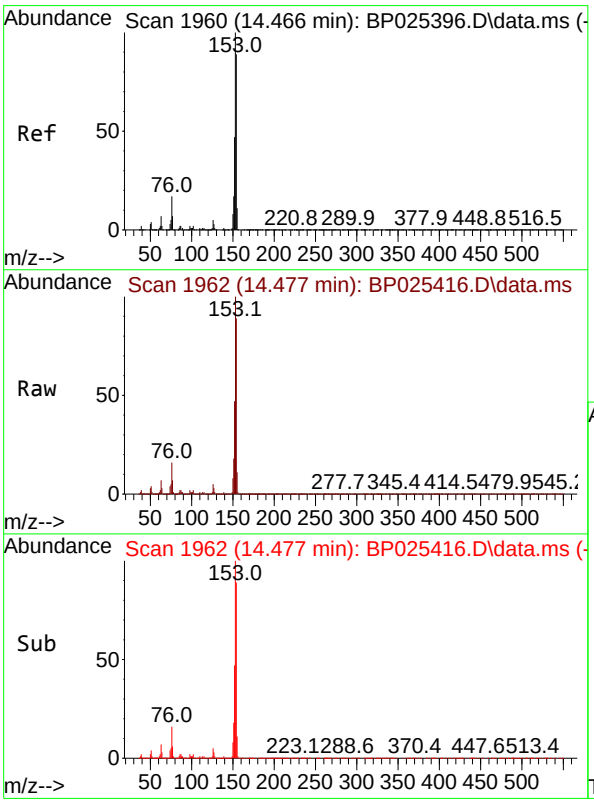
#51
2,6-Dinitrotoluene
Concen: 47.281 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:165 Resp: 297925

Ion	Ratio	Lower	Upper
165	100		
63	49.9	40.9	61.3
89	51.8	42.1	63.1

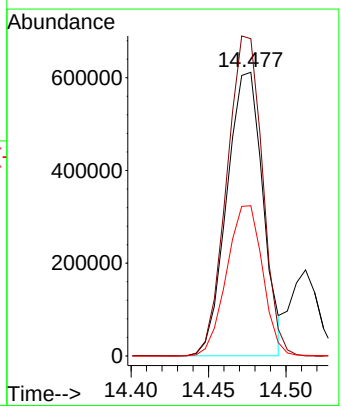


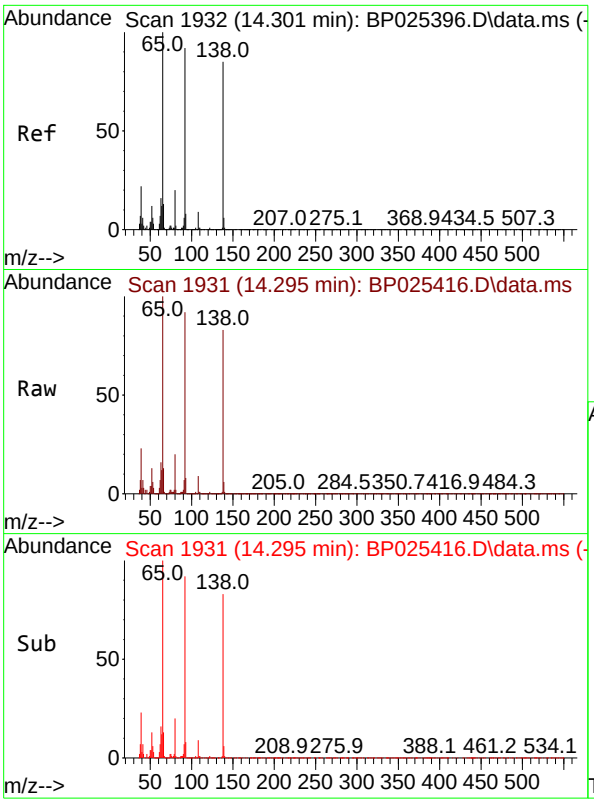


#52
Acenaphthene
Concen: 44.181 ng
RT: 14.477 min Scan# 1962
Delta R.T. 0.011 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:154 Resp: 990506

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.0	42.1	63.1



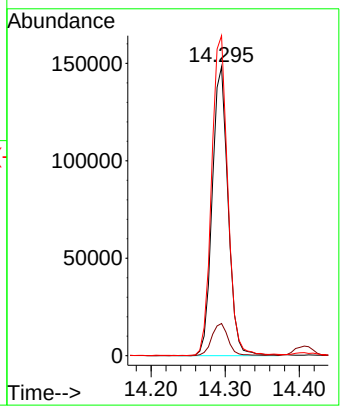


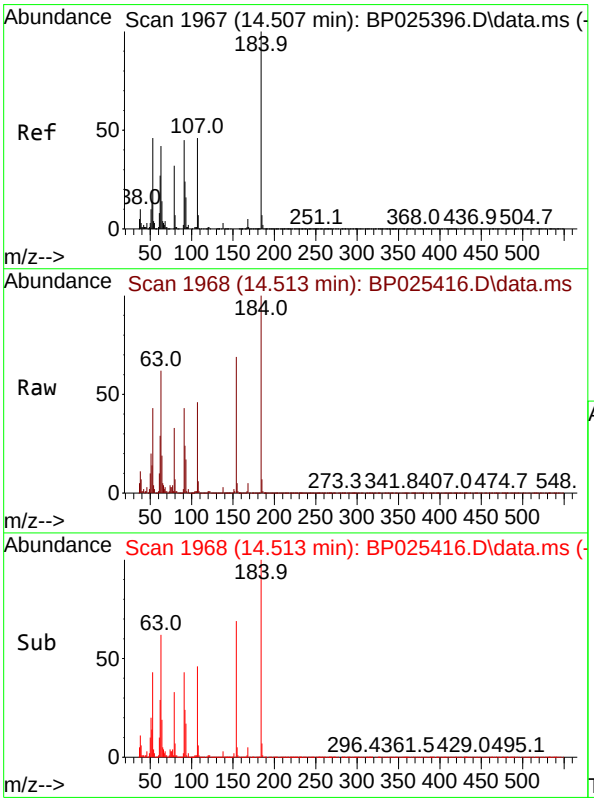
#53
3-Nitroaniline
Concen: 31.093 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:138 Resp: 220431

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	110.8	86.2	129.2

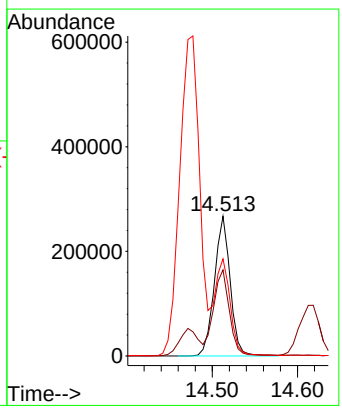


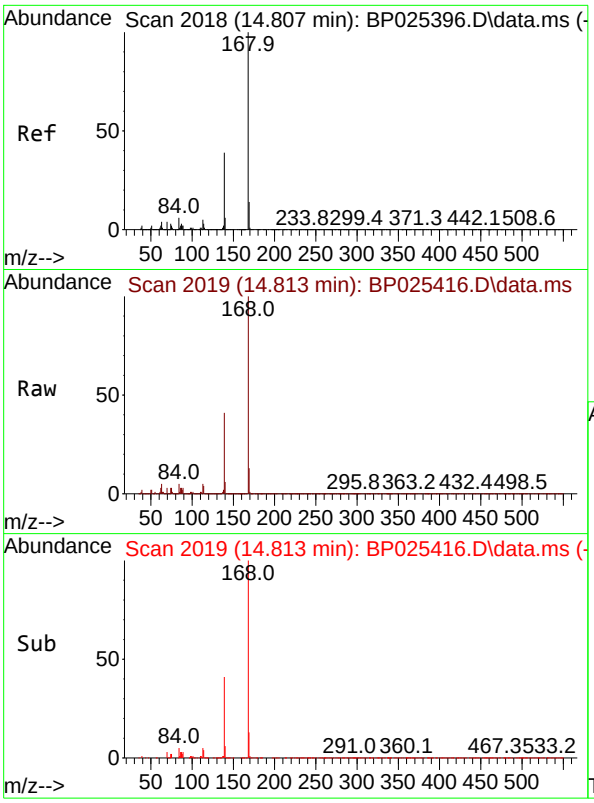


#54
2,4-Dinitrophenol
Concen: 102.765 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:184 Resp: 345806

Ion	Ratio	Lower	Upper
184	100		
63	61.6	49.4	74.2
154	69.5	54.6	82.0



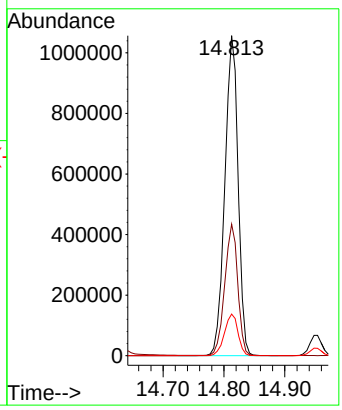


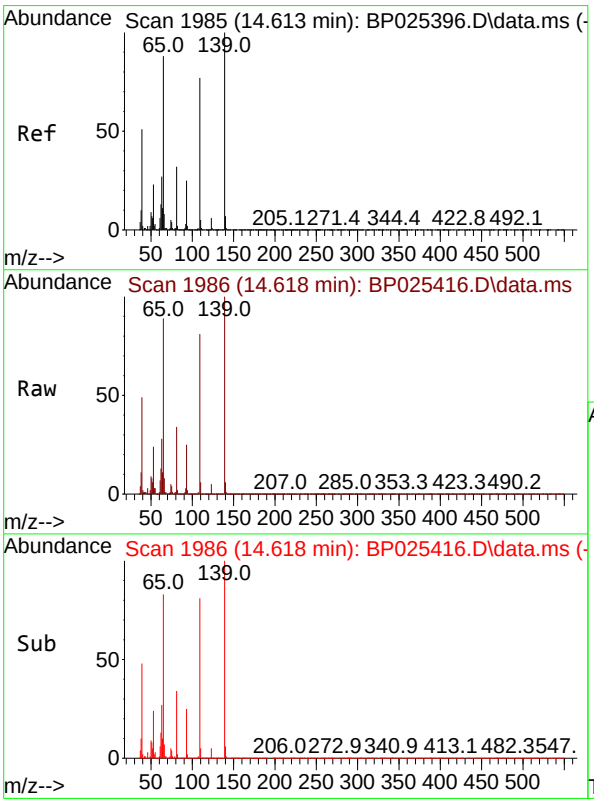
#55
Dibenzofuran
Concen: 44.946 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:168 Resp: 1593114

Ion	Ratio	Lower	Upper
168	100		
139	41.1	31.5	47.3
169	13.0	10.9	16.3

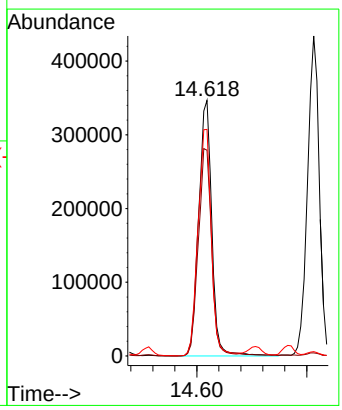


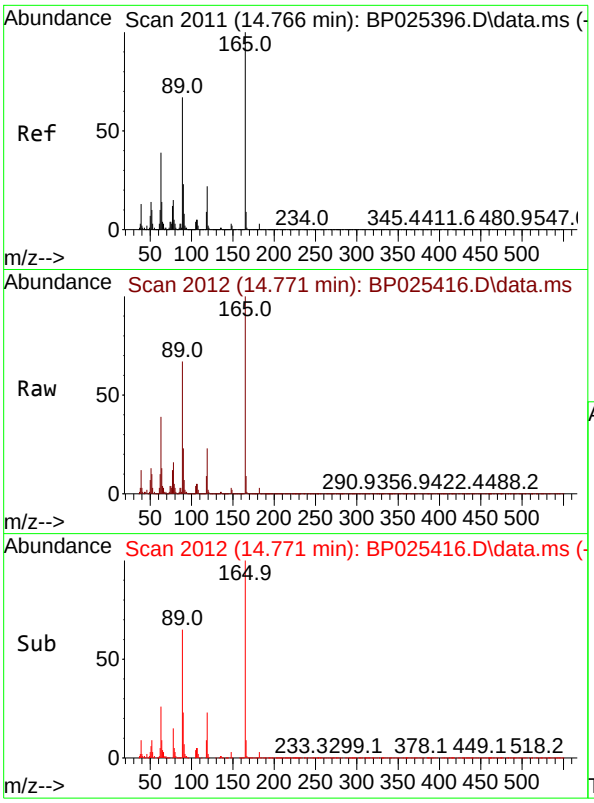


#56
4-Nitrophenol
Concen: 98.999 ng
RT: 14.618 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:139 Resp: 576733

Ion	Ratio	Lower	Upper
139	100		
109	80.6	56.6	96.6
65	88.7	68.2	108.2



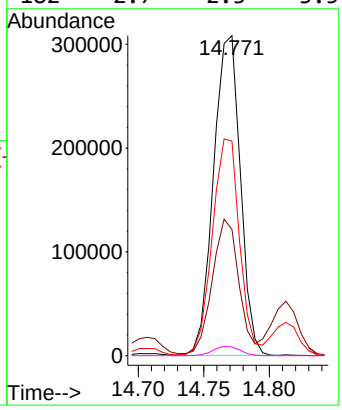


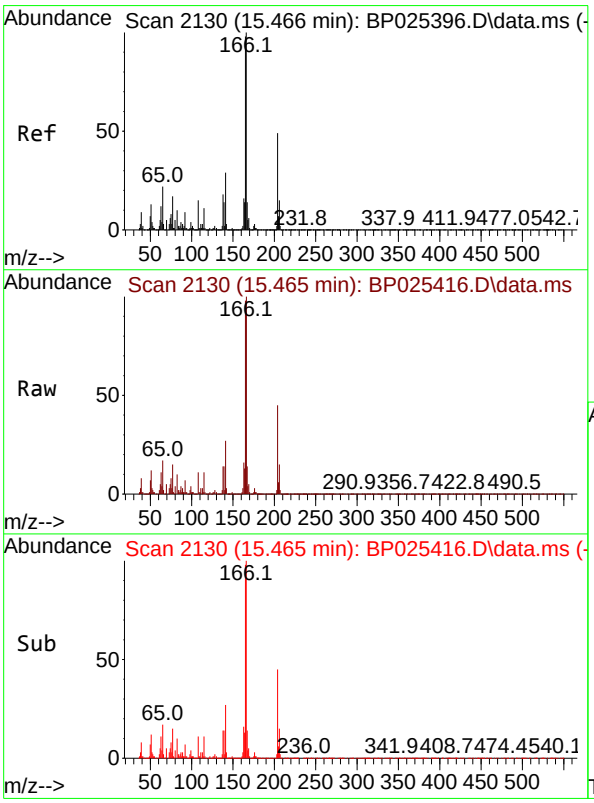
#57
2,4-Dinitrotoluene
Concen: 48.760 ng
RT: 14.771 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:165 Resp: 438365

Ion	Ratio	Lower	Upper
165	100		
63	39.5	31.4	47.2
89	67.1	53.3	79.9
182	2.7	2.3	3.5

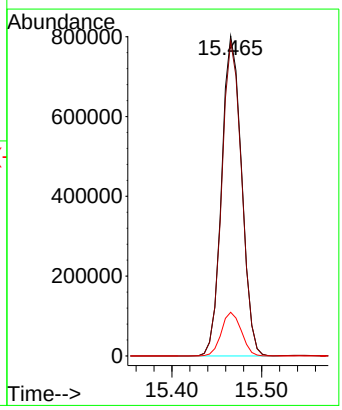


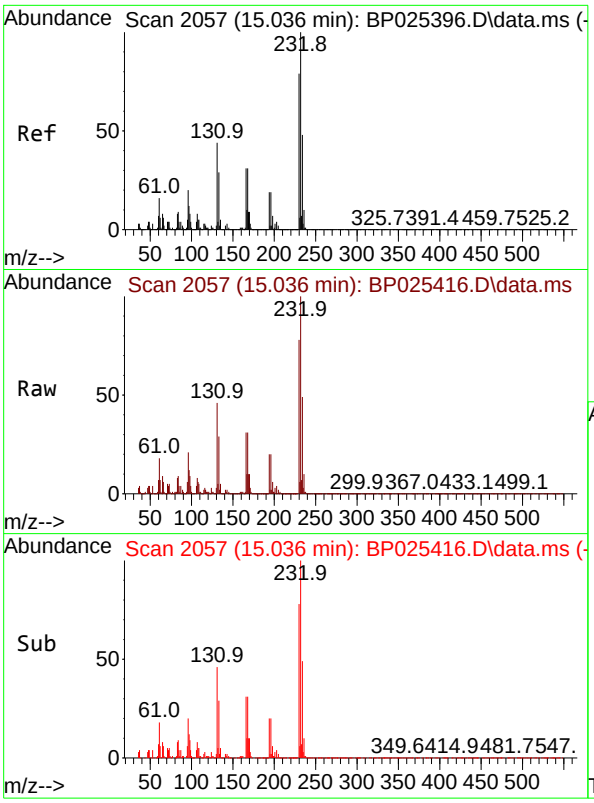


#58
Fluorene
Concen: 44.209 ng
RT: 15.465 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:166 Resp: 1236469

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.8	118.2
167	13.6	11.0	16.4



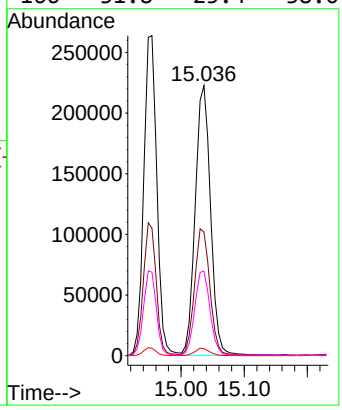


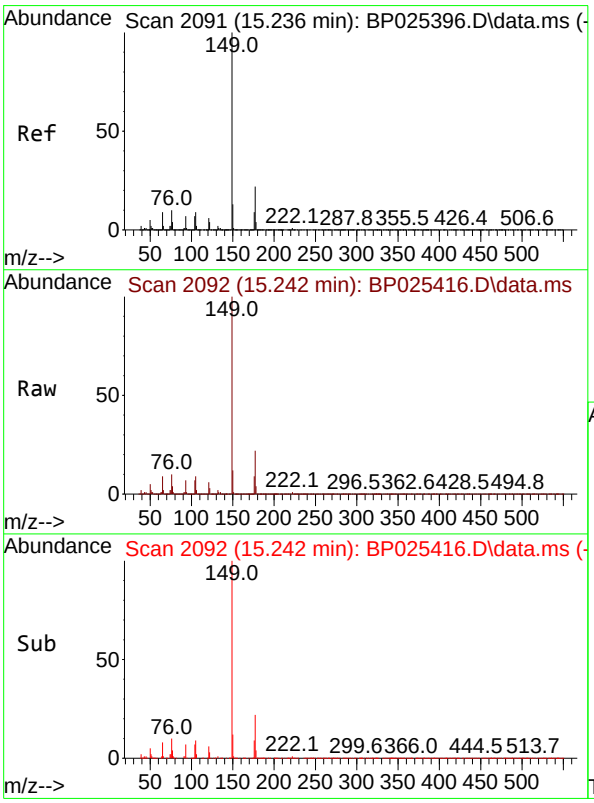
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.668 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:232 Resp: 374896

Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.0	55.6
130	2.6	1.9	2.9
166	31.8	25.4	38.0

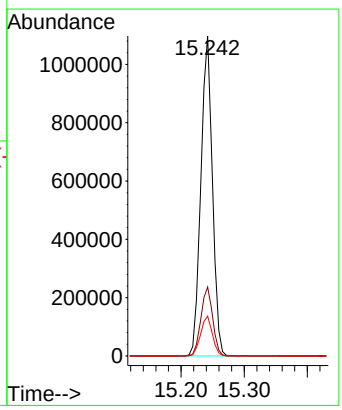


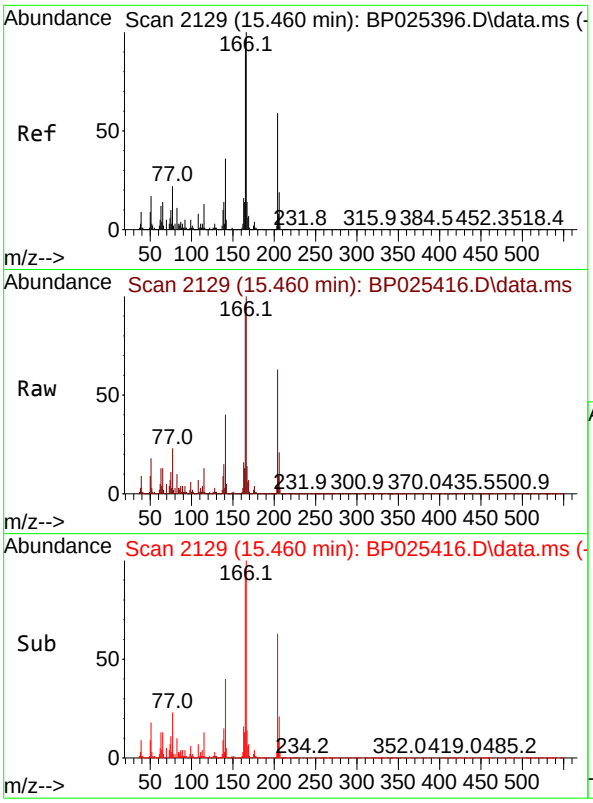


#60
Diethylphthalate
Concen: 45.696 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1388142

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.5	10.3	15.5



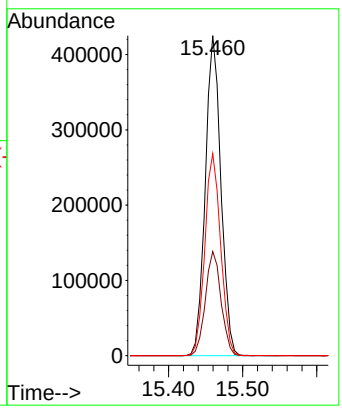


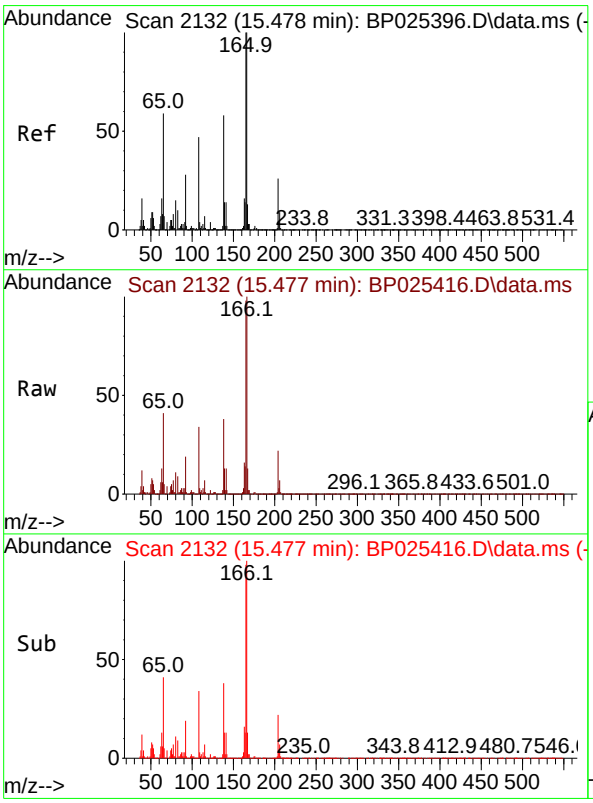
#61
4-Chlorophenyl-phenylether
Concen: 44.606 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:204 Resp: 620466

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	63.2	49.4	74.2

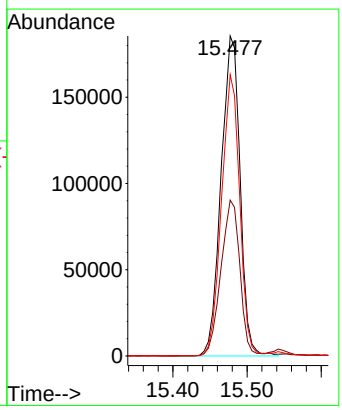


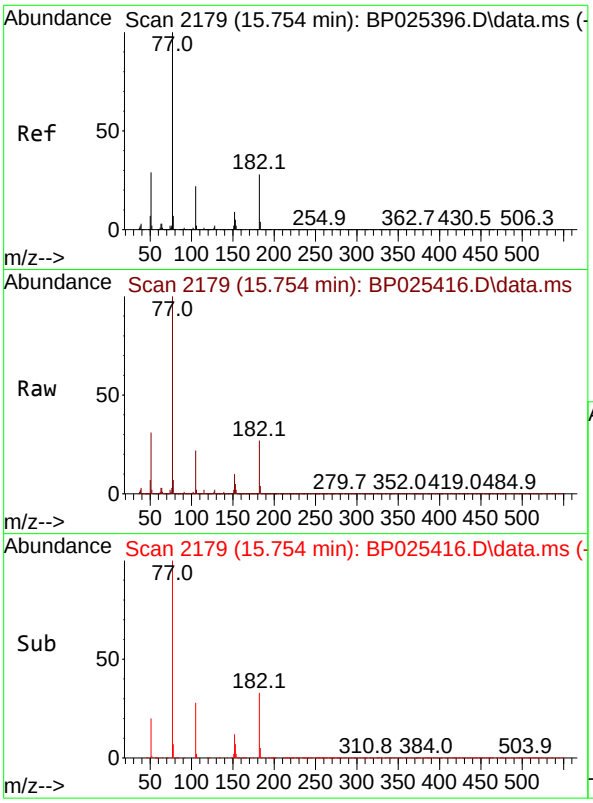


#62
4-Nitroaniline
Concen: 45.352 ng
RT: 15.477 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:138 Resp: 329615

Ion	Ratio	Lower	Upper
138	100		
92	48.7	29.1	69.1
108	87.9	61.5	101.5



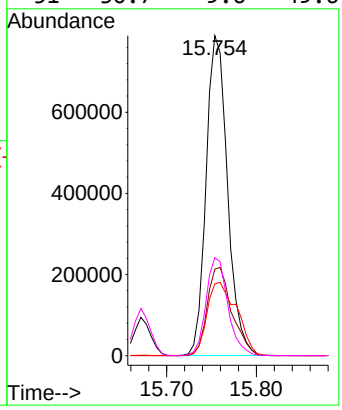


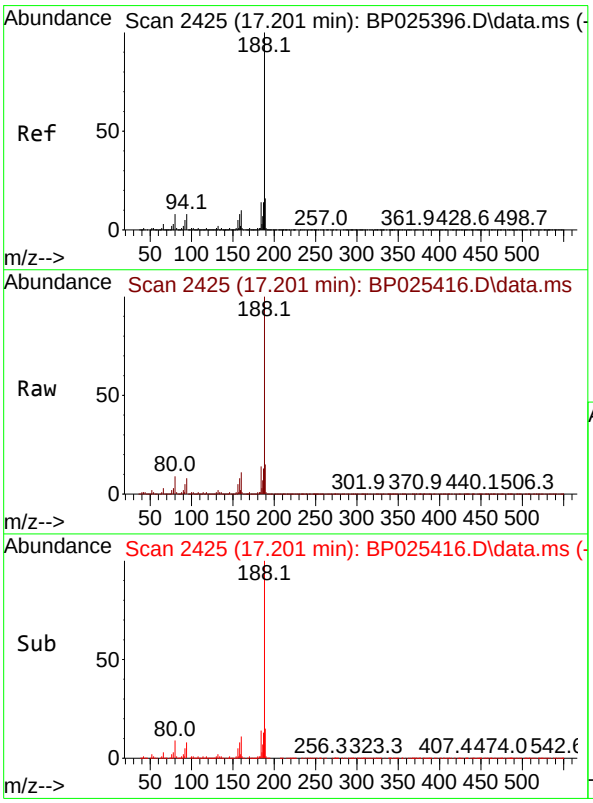
#63
Azobenzene
Concen: 50.212 ng
RT: 15.754 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion: 77 Resp: 1306069

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.5	2.1	42.1
51	30.7	9.6	49.6

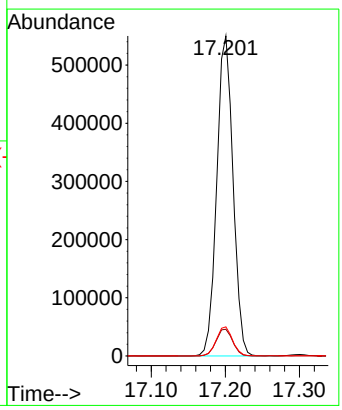


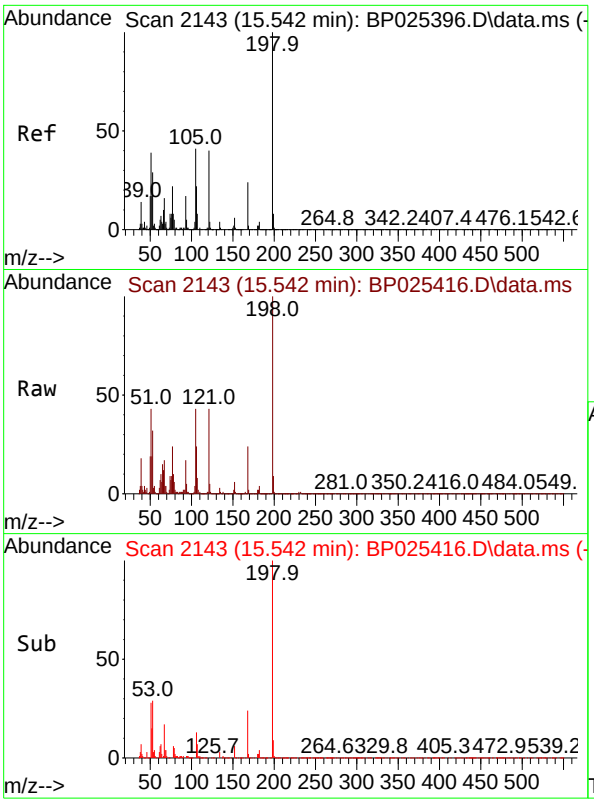


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:188 Resp: 837667

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.1	6.7	10.1



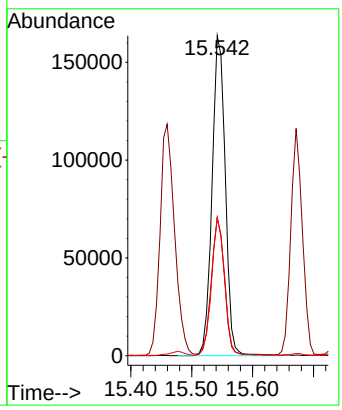


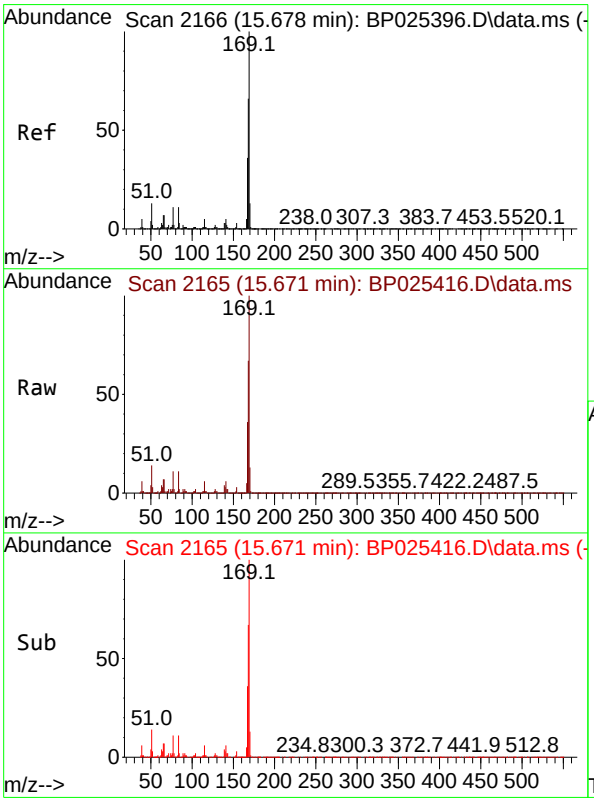
#65
4,6-Dinitro-2-methylphenol
Concen: 47.224 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:198 Resp: 246584

Ion	Ratio	Lower	Upper
198	100		
51	43.2	19.6	59.6
105	43.1	20.9	60.9

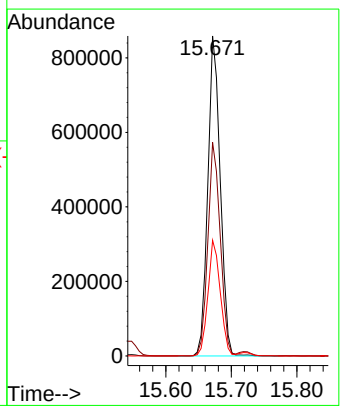


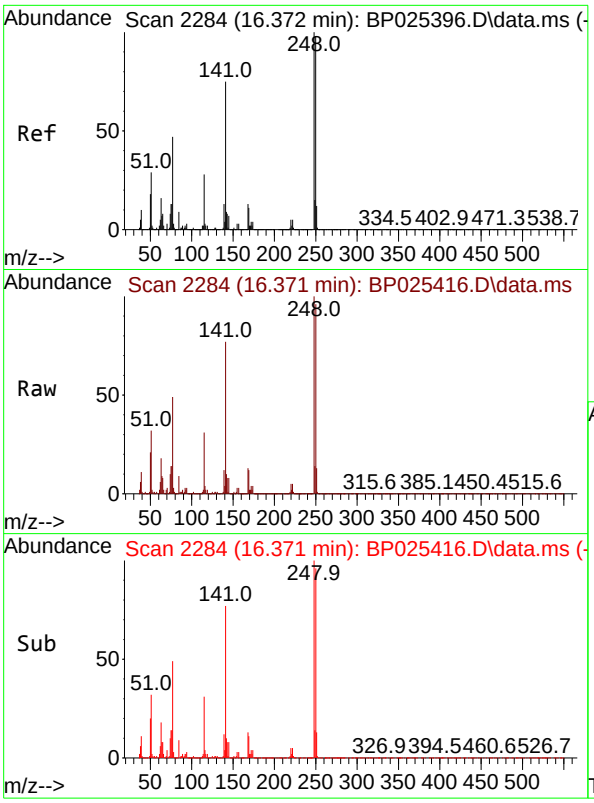


#66
n-Nitrosodiphenylamine
Concen: 44.385 ng
RT: 15.671 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:169 Resp: 1133759

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	36.2	28.7	43.1



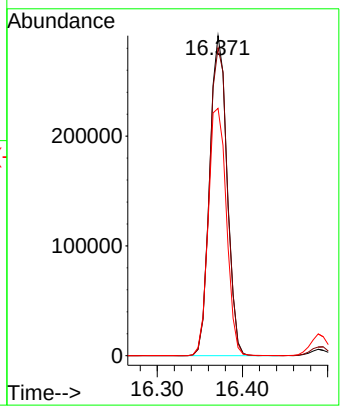


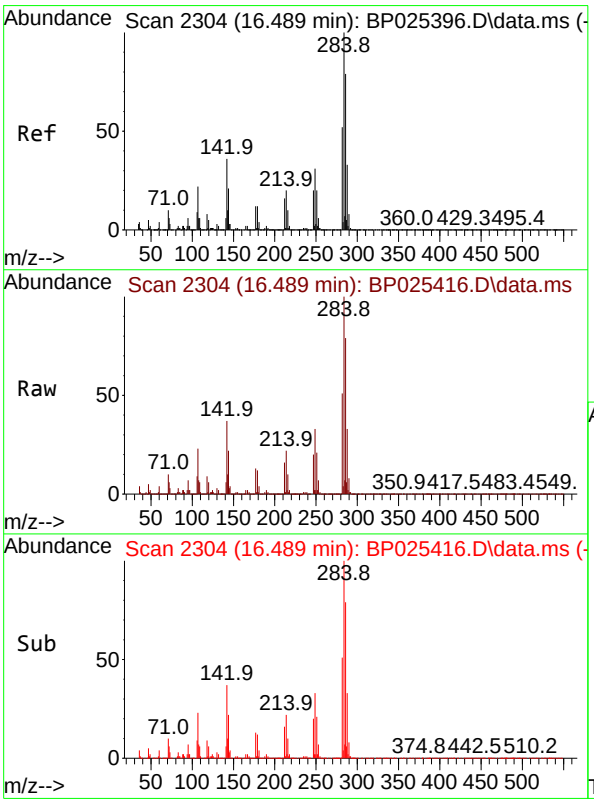
#67
4-Bromophenyl-phenylether
Concen: 44.752 ng
RT: 16.371 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:248 Resp: 412290

Ion	Ratio	Lower	Upper
248	100		
250	96.3	78.2	117.2
141	77.3	59.6	89.4

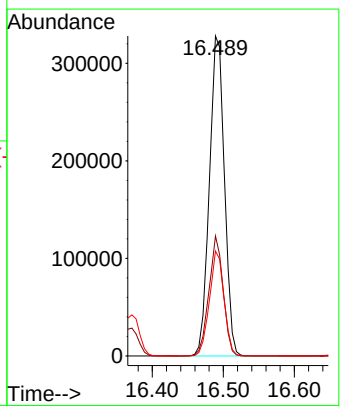


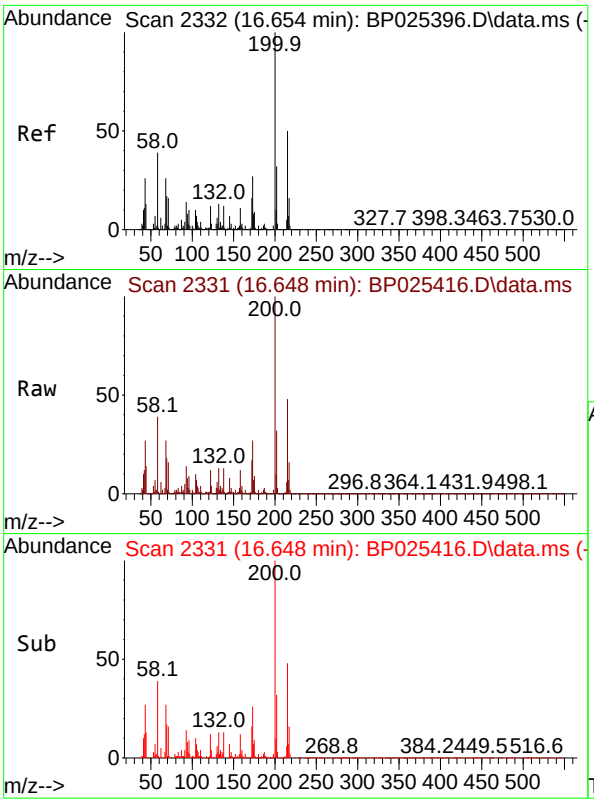


#68
Hexachlorobenzene
Concen: 45.155 ng
RT: 16.489 min Scan# 2304
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:284 Resp: 482237

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.1	43.7
249	32.8	25.0	37.4



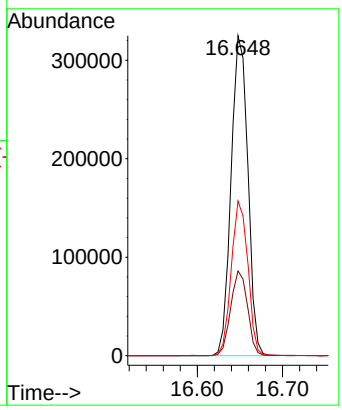


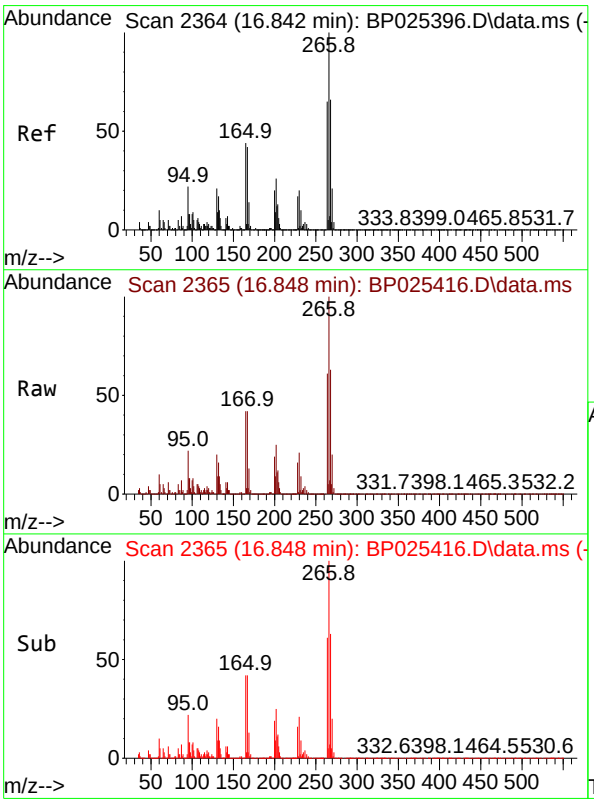
#69
Atrazine
Concen: 46.417 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:200 Resp: 444039

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.7	46.7
215	48.3	29.7	69.7

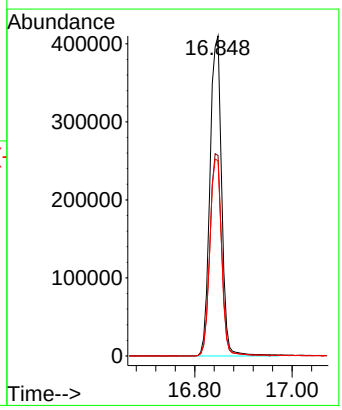


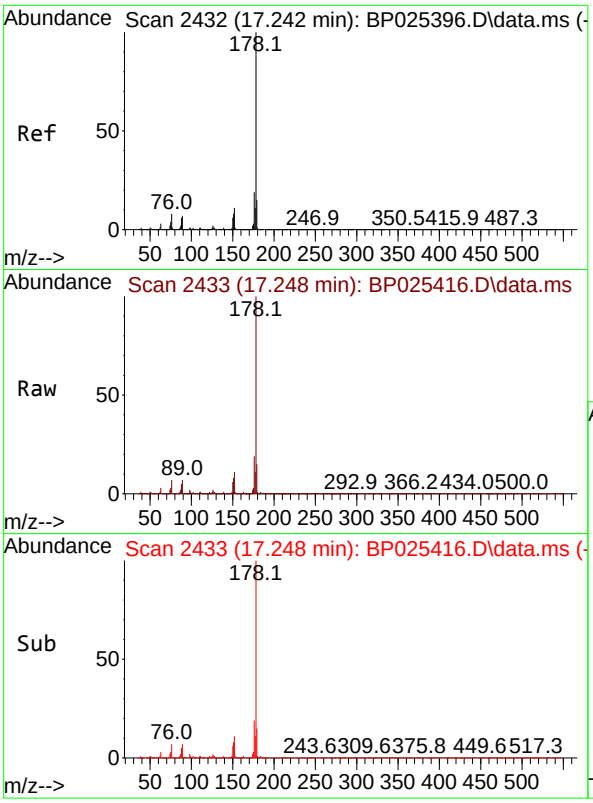


#70
Pentachlorophenol
Concen: 100.512 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:266 Resp: 677601

Ion	Ratio	Lower	Upper
266	100		
268	62.7	52.6	79.0
264	61.0	52.0	78.0



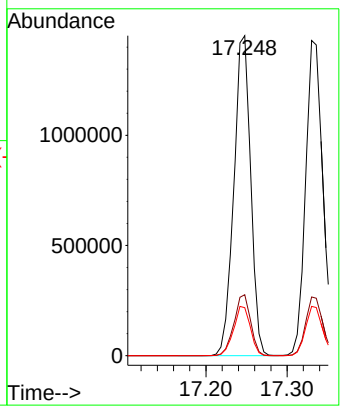


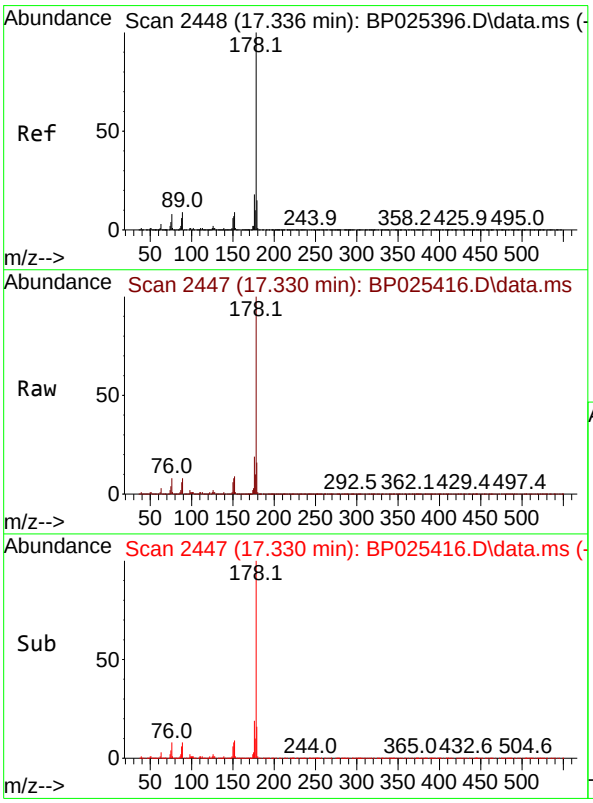
#71
Phenanthrene
Concen: 45.316 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.005 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:178 Resp: 2085270

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.0	12.2	18.4

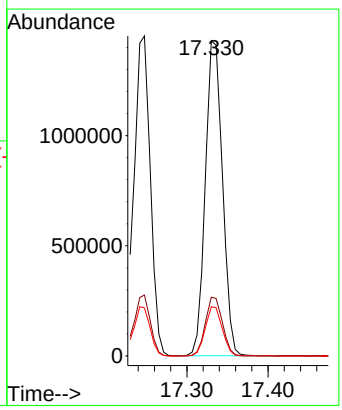


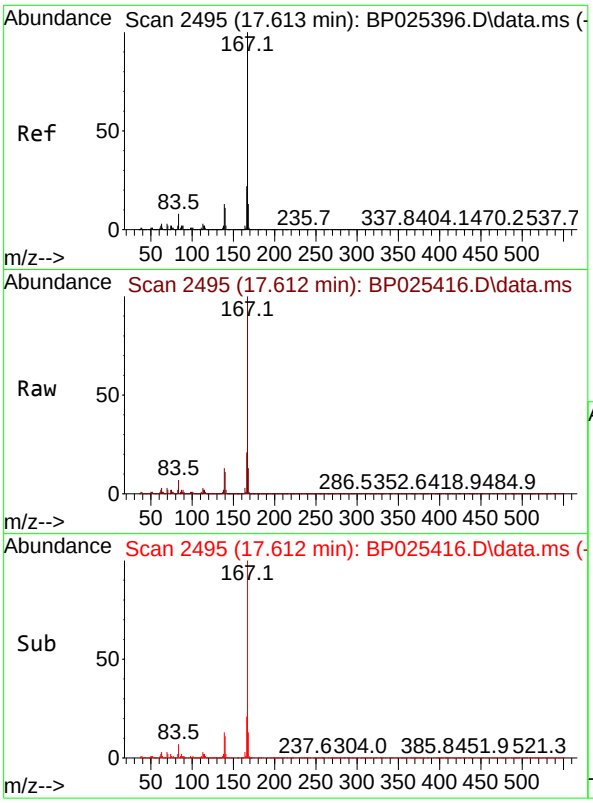


#72
Anthracene
Concen: 44.651 ng
RT: 17.330 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:178 Resp: 2098232

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.6	12.2	18.2



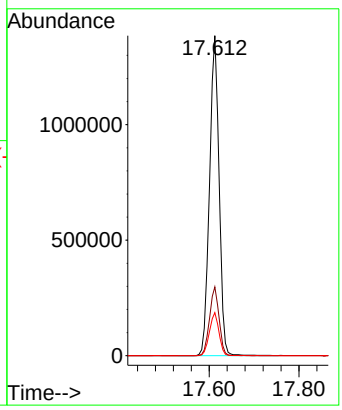


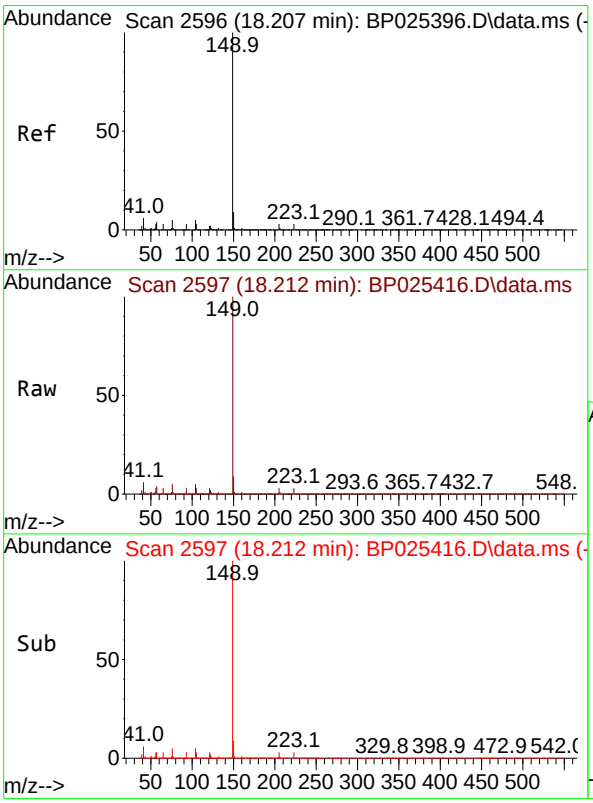
#73
Carbazole
Concen: 46.257 ng
RT: 17.612 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:167 Resp: 2047401

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	13.5	10.6	16.0

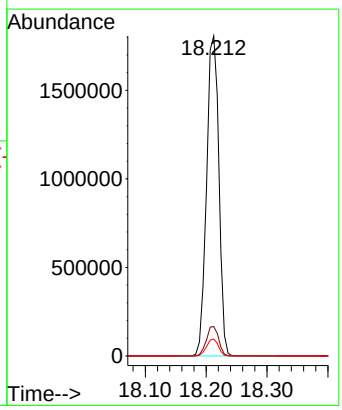


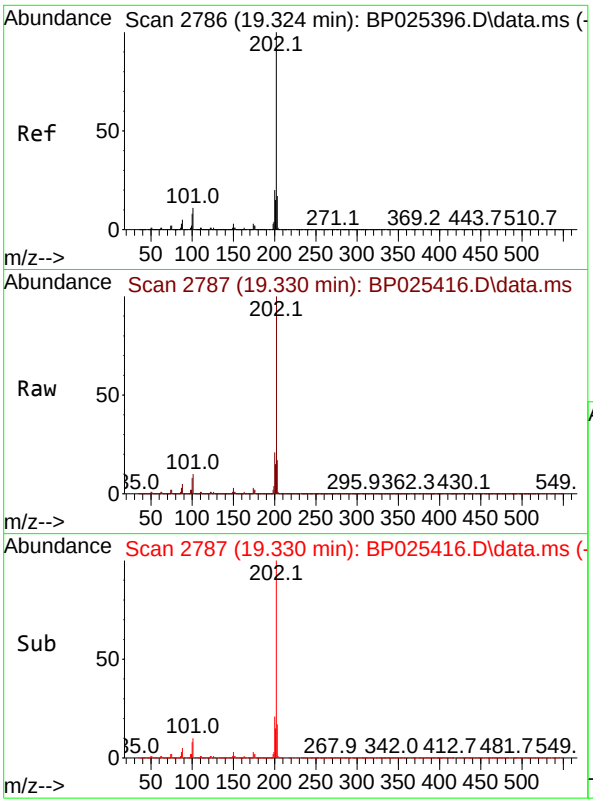


#74
Di-n-butylphthalate
Concen: 46.503 ng
RT: 18.212 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 2532382

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.3	4.2	6.2



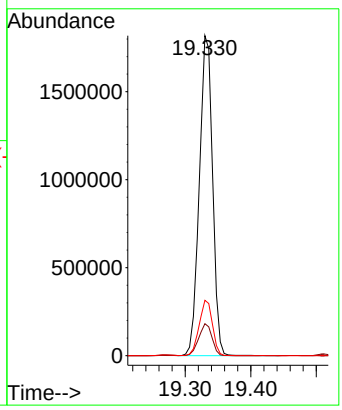


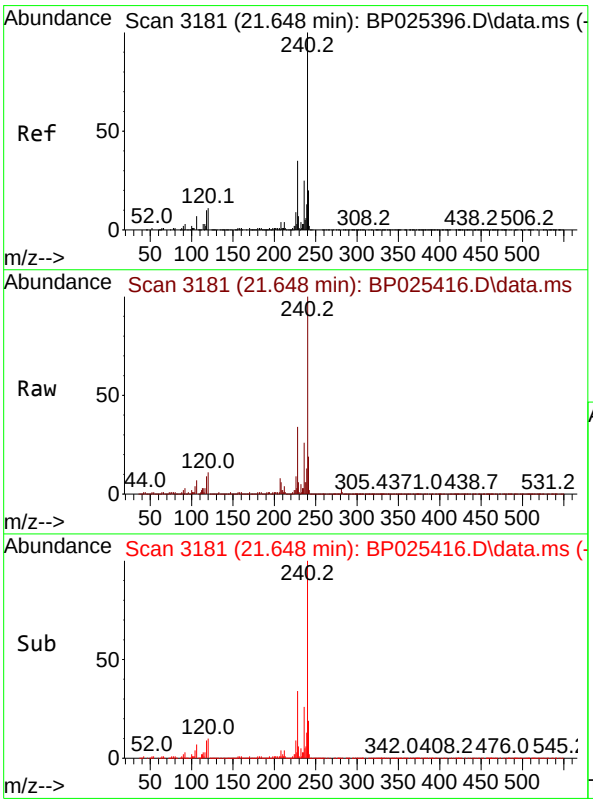
#75
Fluoranthene
Concen: 46.606 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:202 Resp: 2558146

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.3	0.0	37.3

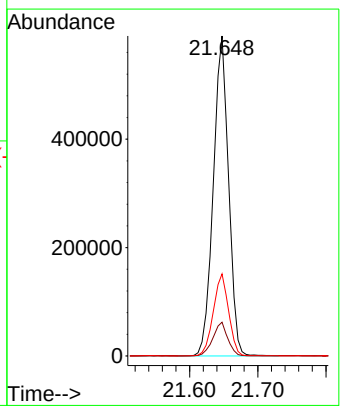


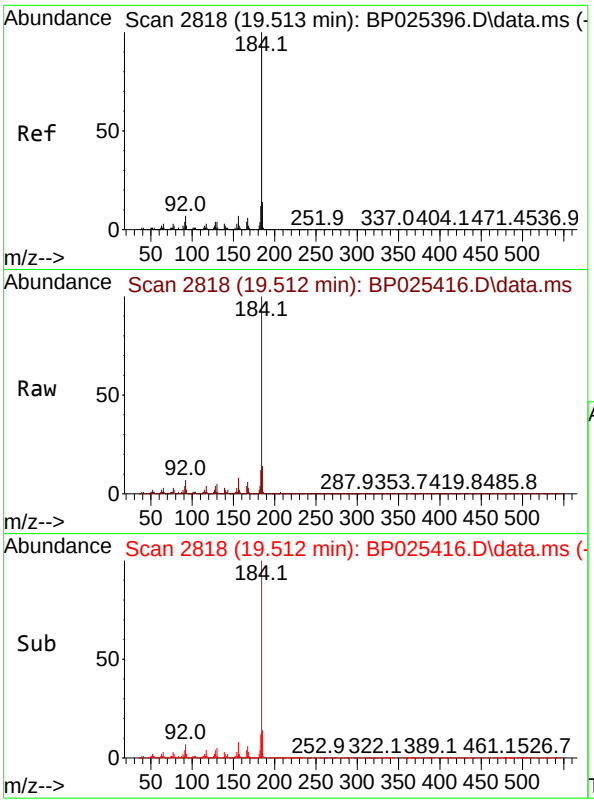


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:240 Resp: 921761

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.7	19.8	29.8



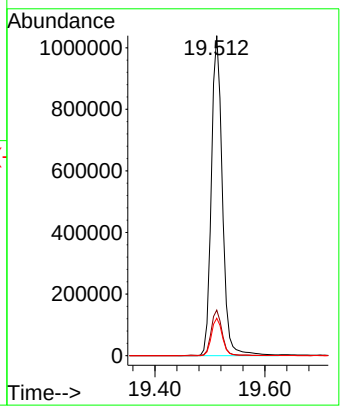


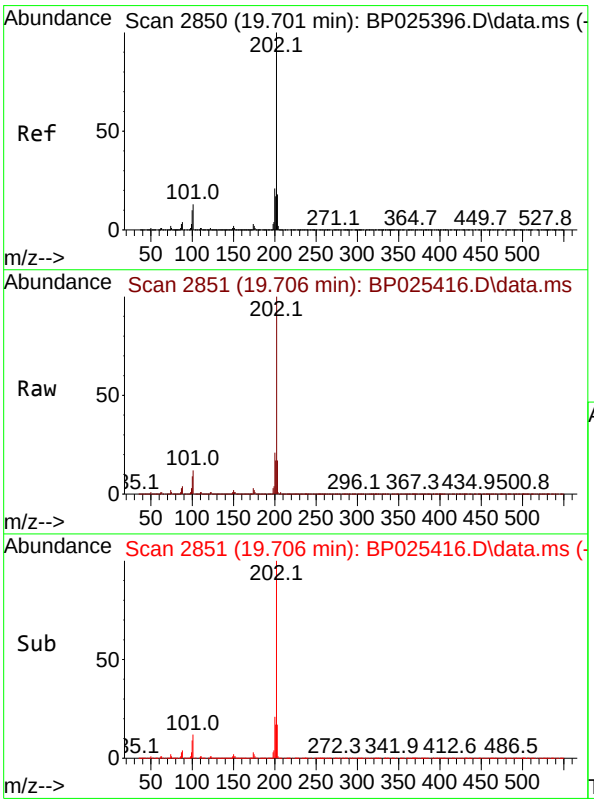
#77
Benzidine
Concen: 45.975 ng
RT: 19.512 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:184 Resp: 1446263

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	11.7	9.4	14.2

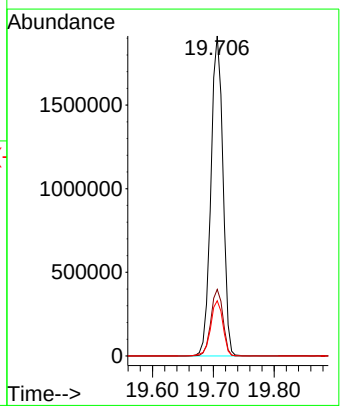


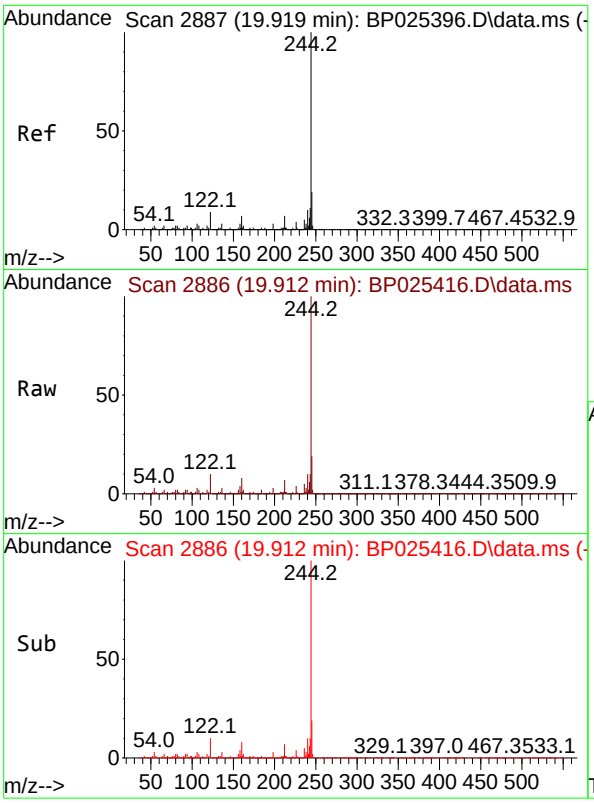


#78
Pyrene
Concen: 43.865 ng
RT: 19.706 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:202 Resp: 2628017

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.3	14.2	21.2



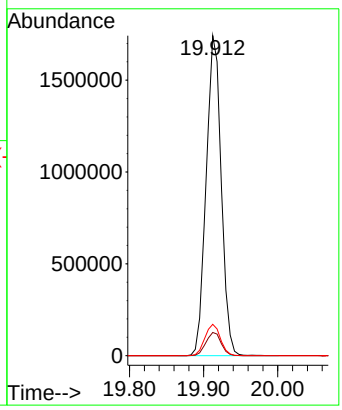


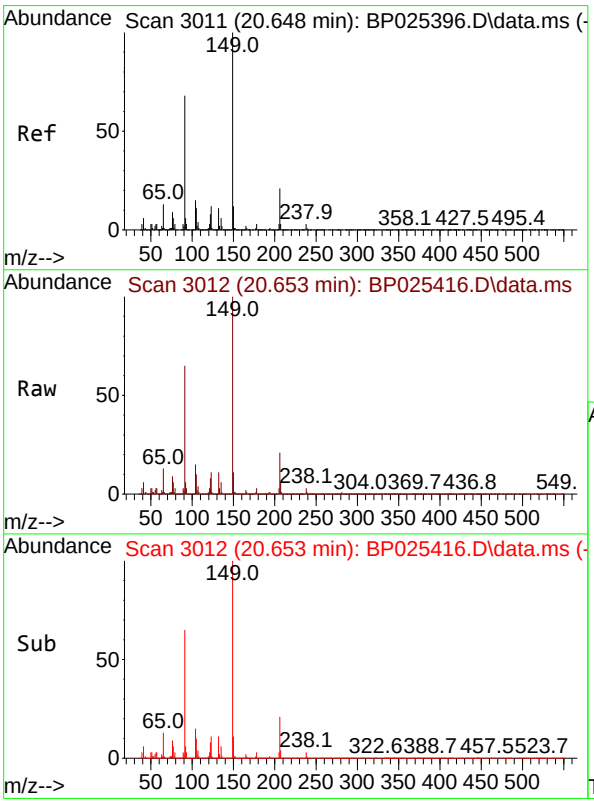
#79
Terphenyl-d14
Concen: 48.846 ng
RT: 19.912 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:244 Resp: 2460926

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.8	7.4	11.2

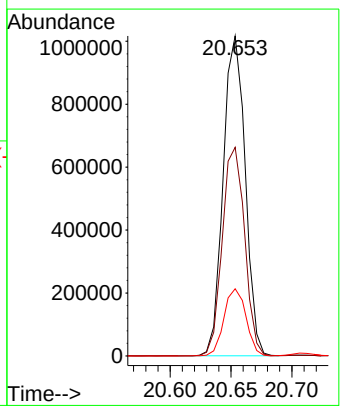


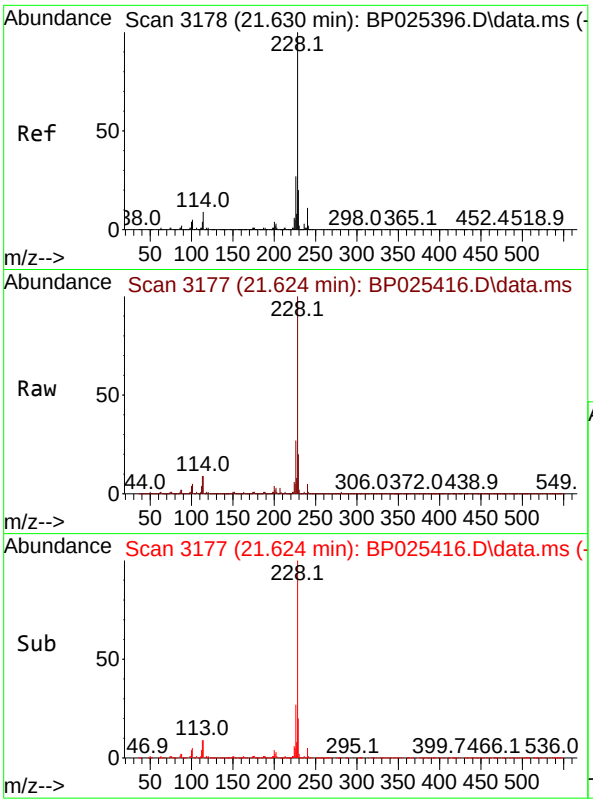


#80
Butylbenzylphthalate
Concen: 47.155 ng
RT: 20.653 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1280380

Ion	Ratio	Lower	Upper
149	100		
91	65.2	54.2	81.2
206	21.0	16.6	24.8



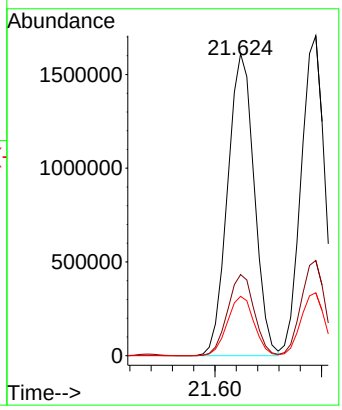


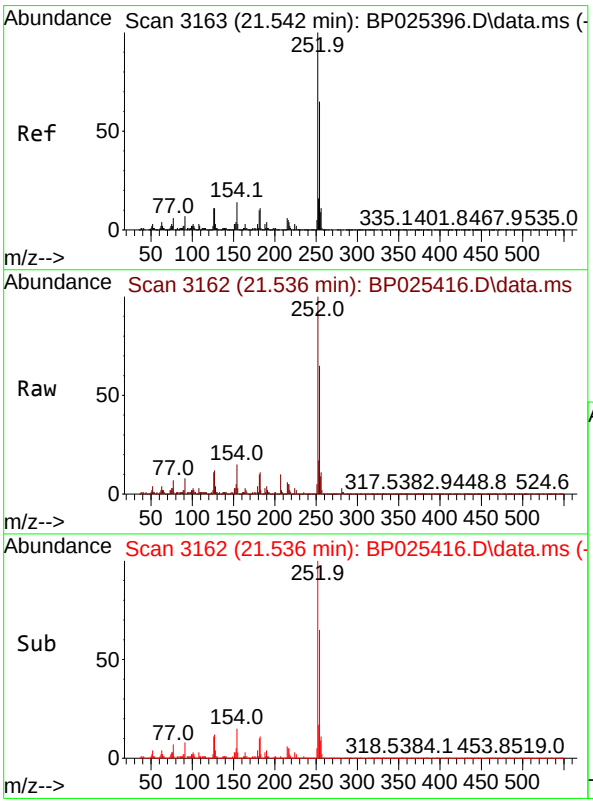
#81
Benzo(a)anthracene
Concen: 46.064 ng
RT: 21.624 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:228 Resp: 2800265

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.6	23.4

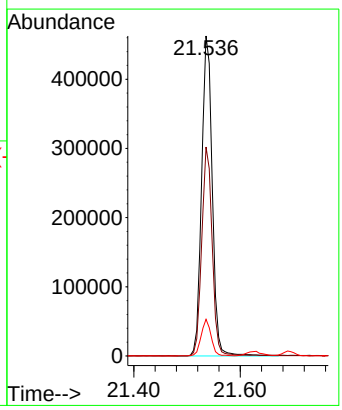


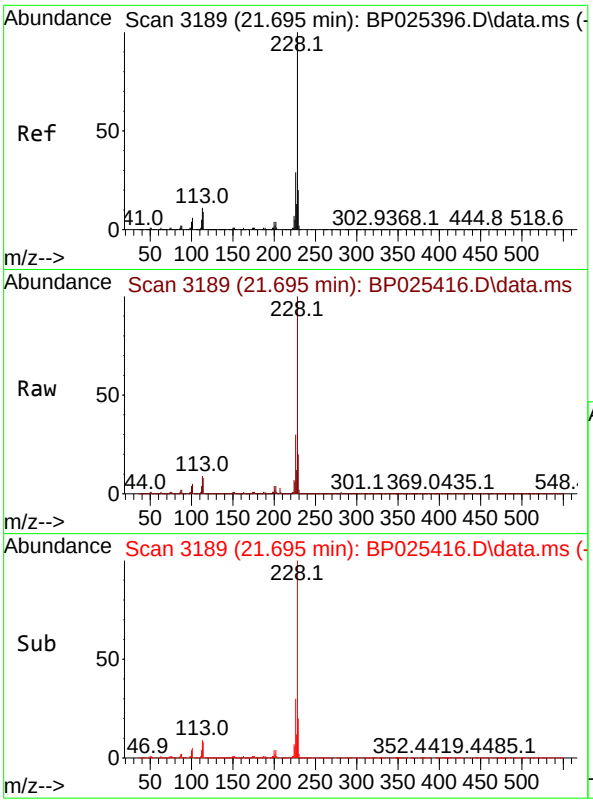


#82
3,3'-Dichlorobenzidine
Concen: 27.944 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 640279

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.8	77.6
126	11.4	9.1	13.7



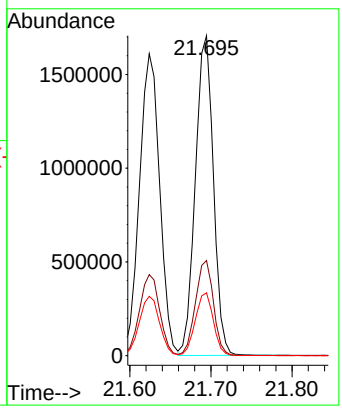


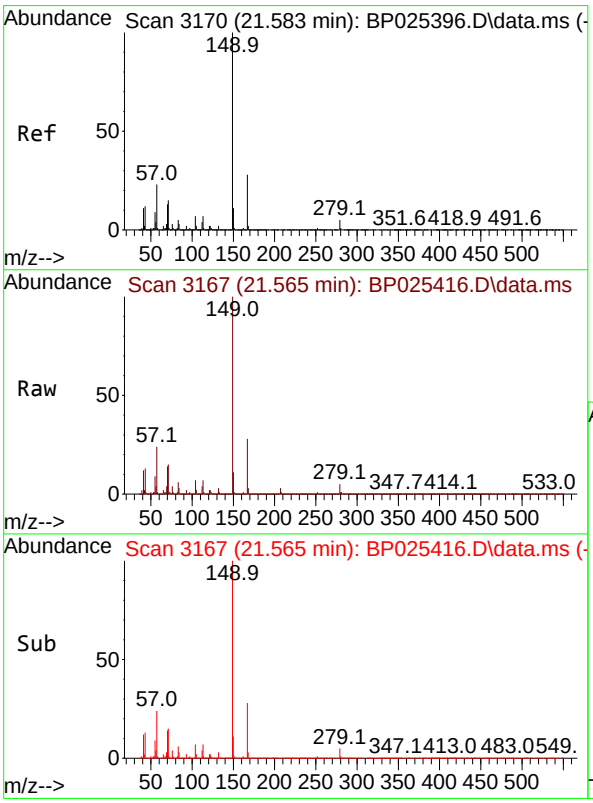
#83
Chrysene
Concen: 46.284 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:228 Resp: 2634967

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	19.7	15.6	23.4

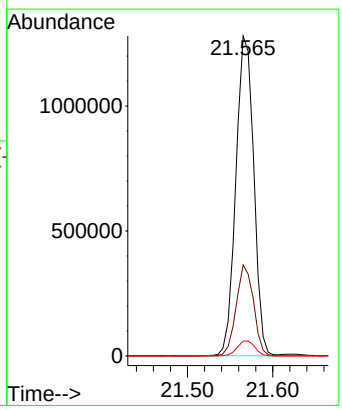


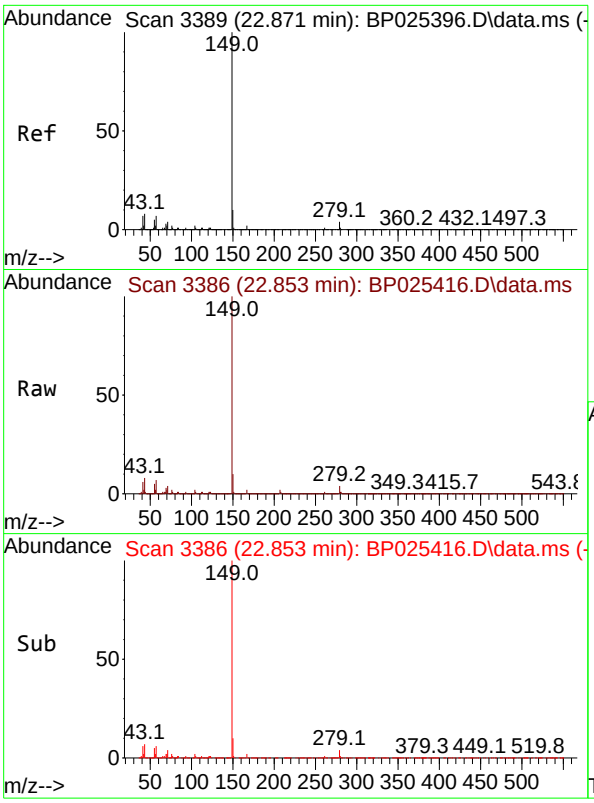


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.787 ng
RT: 21.565 min Scan# 3167
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:149 Resp: 1870070

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	4.7	3.8	5.6



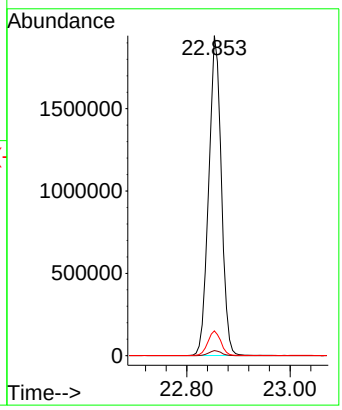


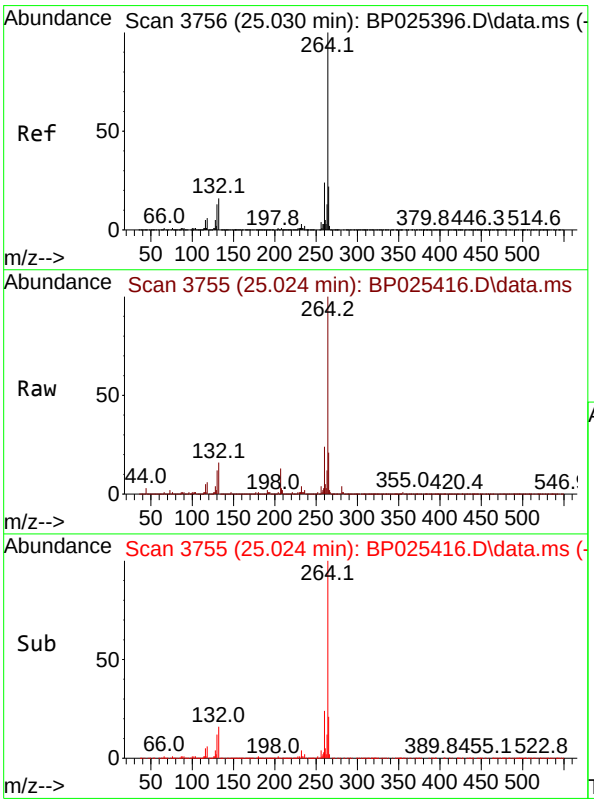
#85
Di-n-octyl phthalate
Concen: 47.830 ng
RT: 22.853 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:149 Resp: 3288310

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.3	9.5

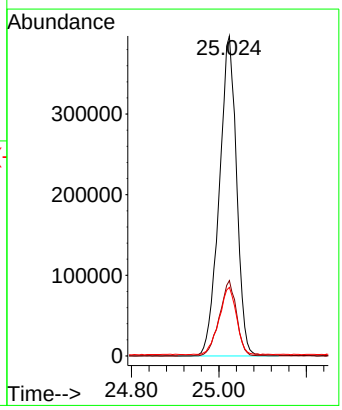


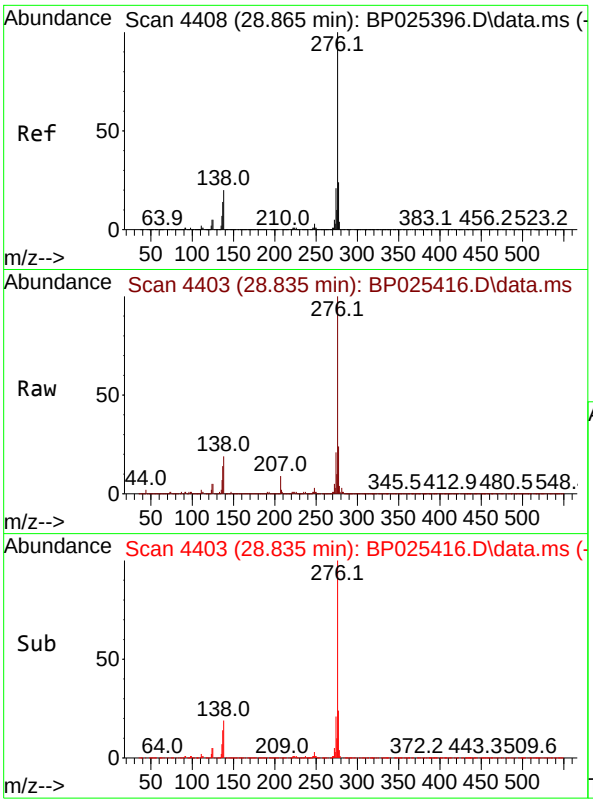


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:264 Resp: 1086411

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.4	17.4	26.0



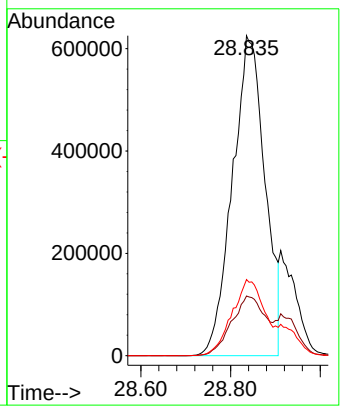


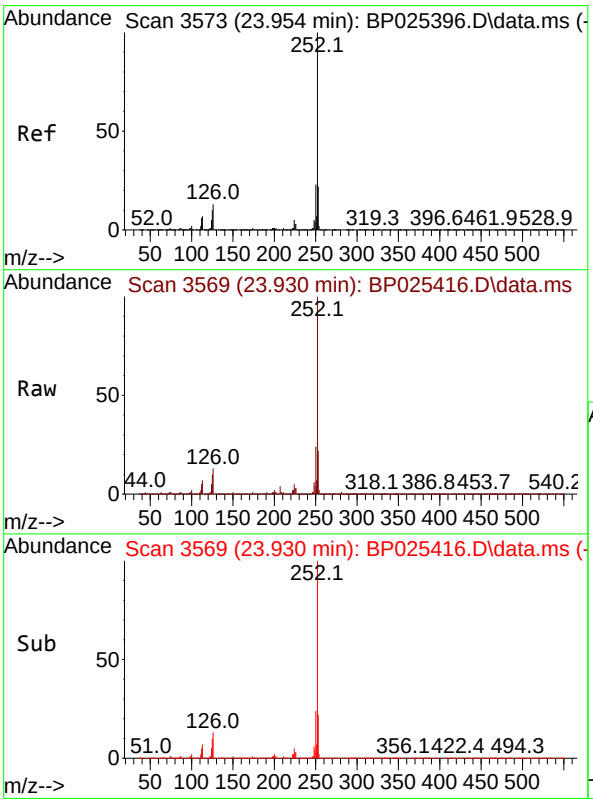
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.441 ng
RT: 28.835 min Scan# 4
Delta R.T. -0.030 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:276 Resp: 3142375

Ion	Ratio	Lower	Upper
276	100		
138	19.4	12.9	19.3#
277	24.5	17.0	25.6

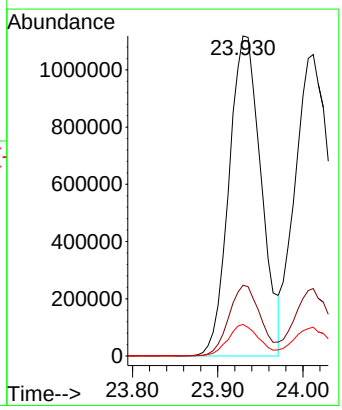


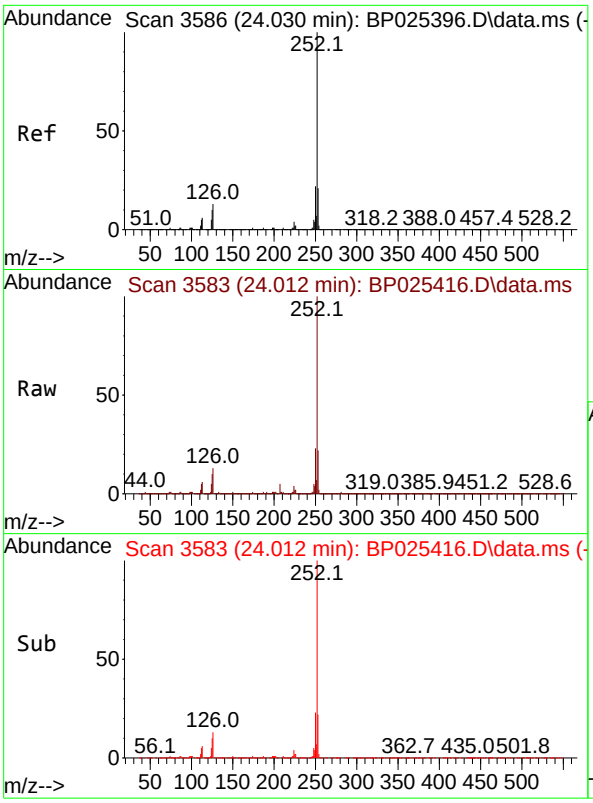


#88
Benzo(b)fluoranthene
Concen: 45.844 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.024 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 2936896

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	7.9	11.9



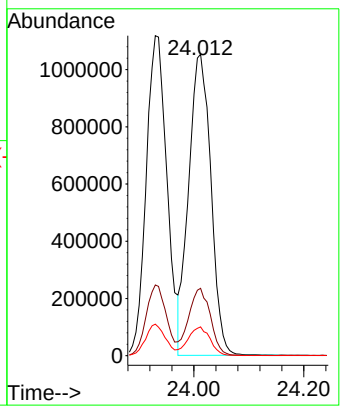


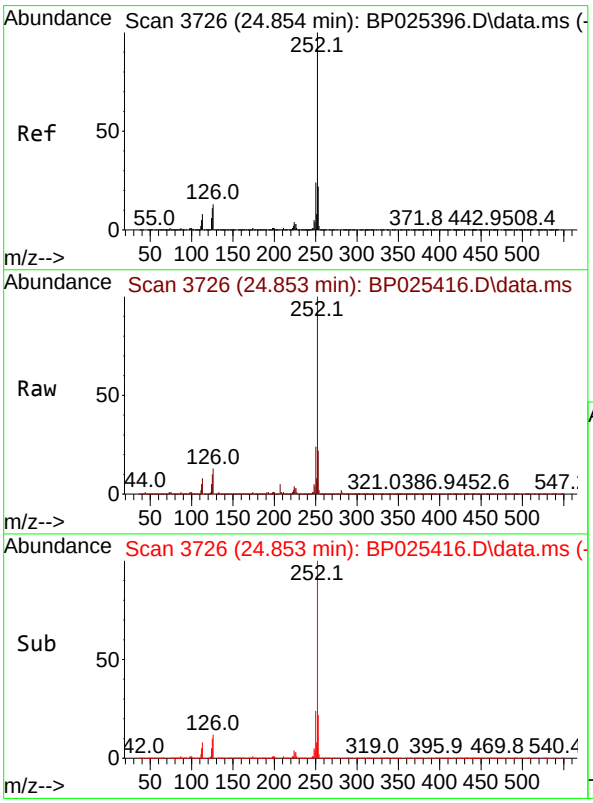
#89
Benzo(k)fluoranthene
Concen: 46.081 ng
RT: 24.012 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:252 Resp: 2954085

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	9.6	7.8	11.6

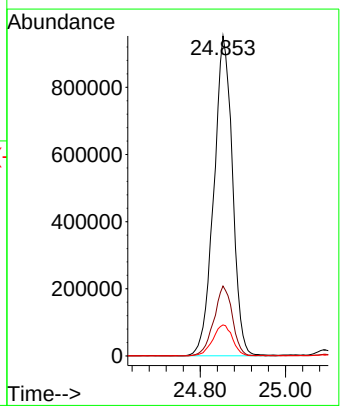


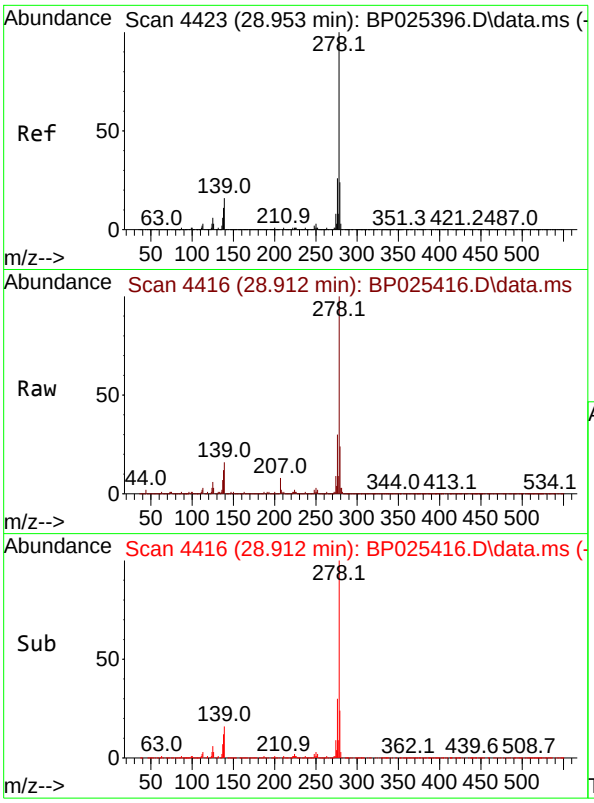


#90
Benzo(a)pyrene
Concen: 46.372 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:252 Resp: 2891770

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.7	8.7	13.1



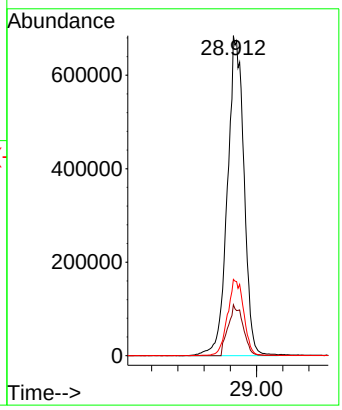


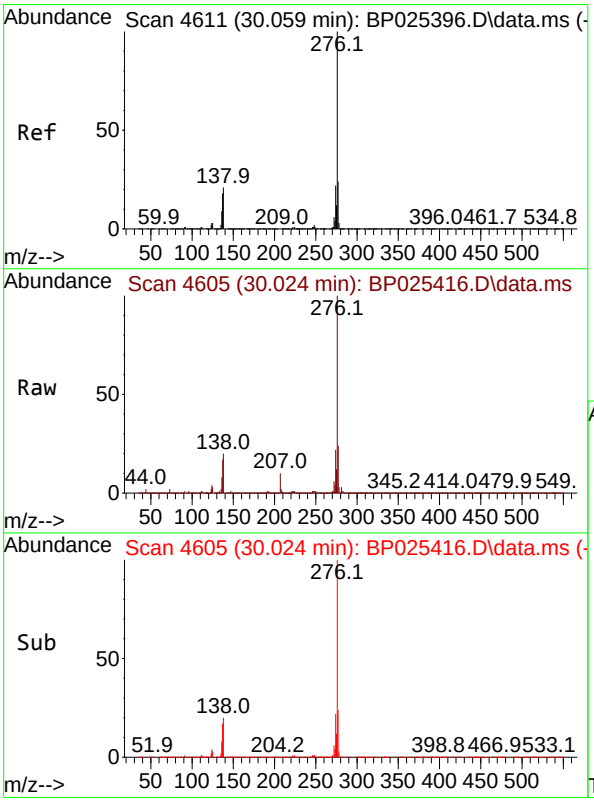
#91
Dibenzo(a,h)anthracene
Concen: 46.035 ng
RT: 28.912 min Scan# 44
Delta R.T. -0.042 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Instrument :
BNA_P
ClientSampleId :
88H-EMSD

Tgt Ion:278 Resp: 2997319

Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.0	19.4
279	23.9	19.4	29.2

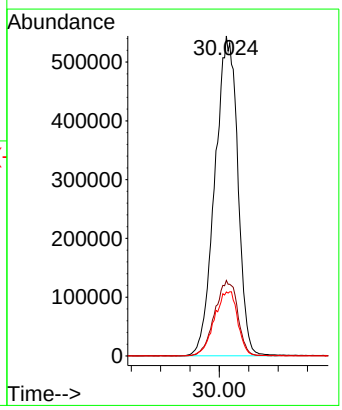




#92
Benzo(g,h,i)perylene
Concen: 45.726 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.036 min
Lab File: BP025416.D
Acq: 15 Aug 2025 06:29

Tgt Ion:276 Resp: 2926520

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	20.0	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	174735	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	746476	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	494163	20.000	ng	0.00
64) Phenanthrene-d10	17.183	188	985019	20.000	ng	-0.02
76) Chrysene-d12	21.636	240	1034992	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1196337	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	813992	77.363	ng	0.00
7) Phenol-d6	6.966	99	1058593	78.474	ng	0.00
23) Nitrobenzene-d5	8.931	82	1156964	78.403	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	524221	78.813	ng	-0.01
45) 2-Fluorobiphenyl	13.019	172	2664086	73.679	ng	0.00
79) Terphenyl-d14	19.913	244	4146697	73.302	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	157593	38.238	ng	100
3) Pyridine	3.731	79	431150	38.221	ng	97
4) n-Nitrosodimethylamine	3.637	42	190300	40.919	ng	95
6) Aniline	7.125	93	712490	39.201	ng	99
8) 2-Chlorophenol	7.366	128	463559	39.042	ng	99
9) Benzaldehyde	6.943	77	485014	51.318	ng	98
10) Phenol	6.996	94	553755	39.121	ng	98
11) bis(2-Chloroethyl)ether	7.219	93	423787	38.412	ng	98
12) 1,3-Dichlorobenzene	7.684	146	502508	38.382	ng	100
13) 1,4-Dichlorobenzene	7.825	146	511040	38.189	ng	100
14) 1,2-Dichlorobenzene	8.137	146	497191	38.382	ng	99
15) Benzyl Alcohol	8.019	79	424721	39.625	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.313	45	578692	39.155	ng	99
17) 2-Methylphenol	8.225	107	388838	39.552	ng	100
18) Hexachloroethane	8.860	117	189741	38.564	ng	98
19) n-Nitroso-di-n-propyla...	8.590	70	348777	39.033	ng	99
20) 3+4-Methylphenols	8.549	107	534708	39.238	ng	97
22) Acetophenone	8.602	105	713012	38.088	ng	99
24) Nitrobenzene	8.972	77	518361	39.305	ng	98
25) Isophorone	9.502	82	1002189	38.375	ng	99
26) 2-Nitrophenol	9.678	139	266580	39.387	ng	99
27) 2,4-Dimethylphenol	9.743	122	450423	38.698	ng	98
28) bis(2-Chloroethoxy)met...	9.972	93	600132	38.016	ng	98
29) 2,4-Dichlorophenol	10.213	162	451798	39.074	ng	99
30) 1,2,4-Trichlorobenzene	10.425	180	481348	37.976	ng	99
31) Naphthalene	10.613	128	1485874	38.297	ng	99
32) Benzoic acid	9.884	122	330291	38.436	ng	96
33) 4-Chloroaniline	10.707	127	667456	38.946	ng	99
34) Hexachlorobutadiene	10.901	225	301977	38.255	ng	99
35) Caprolactam	11.496	113	164915	38.897	ng	97
36) 4-Chloro-3-methylphenol	11.831	107	524817	39.556	ng	97
37) 2-Methylnaphthalene	12.213	142	962672	38.127	ng	99
38) 1-Methylnaphthalene	12.431	142	1007418	37.519	ng	99
40) 1,2,4,5-Tetrachloroben...	12.584	216	551420	38.637	ng	99
41) Hexachlorocyclopentadiene	12.566	237	347944	40.361	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	382510	39.699	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.896	196	418478	39.629	ng	98
46) 1,1'-Biphenyl	13.225	154	1367904	38.115	ng	100
47) 2-Chloronaphthalene	13.266	162	1074743	38.467	ng	100
48) 2-Nitroaniline	13.460	65	333818	41.005	ng	97
49) Acenaphthylene	14.119	152	1767129	38.223	ng	100
50) Dimethylphthalate	13.854	163	1395088	38.552	ng	99
51) 2,6-Dinitrotoluene	13.960	165	305591	40.066	ng	93
52) Acenaphthene	14.466	154	1053557	38.824	ng	99
53) 3-Nitroaniline	14.295	138	346194	40.343	ng	97
54) 2,4-Dinitrophenol	14.501	184	165440	40.617	ng	94
55) Dibenzofuran	14.801	168	1628276	37.952	ng	99
56) 4-Nitrophenol	14.607	139	286024	40.562	ng	97
57) 2,4-Dinitrotoluene	14.760	165	441090	40.534	ng	98
58) Fluorene	15.460	166	1248927	36.892	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	366114	39.265	ng	98
60) Diethylphthalate	15.231	149	1417722	38.557	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	617227	36.659	ng	97
62) 4-Nitroaniline	15.472	138	343275	39.020	ng	93
63) Azobenzene	15.754	77	1227772	38.996	ng	98
65) 4,6-Dinitro-2-methylph...	15.531	198	252080	41.054	ng	93
66) n-Nitrosodiphenylamine	15.666	169	1159140	38.590	ng	99
67) 4-Bromophenyl-phenylether	16.366	248	424114	39.149	ng	98
68) Hexachlorobenzene	16.484	284	475586	37.871	ng	98
69) Atrazine	16.642	200	439834	39.100	ng	99
70) Pentachlorophenol	16.831	266	326152	41.143	ng	97
71) Phenanthrene	17.231	178	2103134	38.868	ng	99
72) Anthracene	17.325	178	2134931	38.636	ng	99
73) Carbazole	17.601	167	2021861	38.846	ng	100
74) Di-n-butylphthalate	18.195	149	2481898	38.758	ng	100
75) Fluoranthene	19.319	202	2479400	38.414	ng	98
77) Benzidine	19.507	184	1958317	55.442	ng	99
78) Pyrene	19.695	202	2556537	38.003	ng	99
80) Butylbenzylphthalate	20.648	149	1180201	38.710	ng	100
81) Benzo(a)anthracene	21.619	228	2630271	38.534	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	986136	38.329	ng	99
83) Chrysene	21.683	228	2435067	38.093	ng	100
84) Bis(2-ethylhexyl)phtha...	21.572	149	1695699	37.783	ng	100
85) Di-n-octyl phthalate	22.854	149	2895926	37.514	ng	99
87) Indeno(1,2,3-cd)pyrene	28.824	276	2976256	33.923	ng	94
88) Benzo(b)fluoranthene	23.936	252	2728574	38.679	ng	99
89) Benzo(k)fluoranthene	24.001	252	2641382	37.417	ng	99
90) Benzo(a)pyrene	24.836	252	2625113	38.228	ng	99
91) Dibenzo(a,h)anthracene	28.918	278	2743970	38.272	ng	99
92) Benzo(g,h,i)perylene	30.024	276	2685032	38.098	ng	99

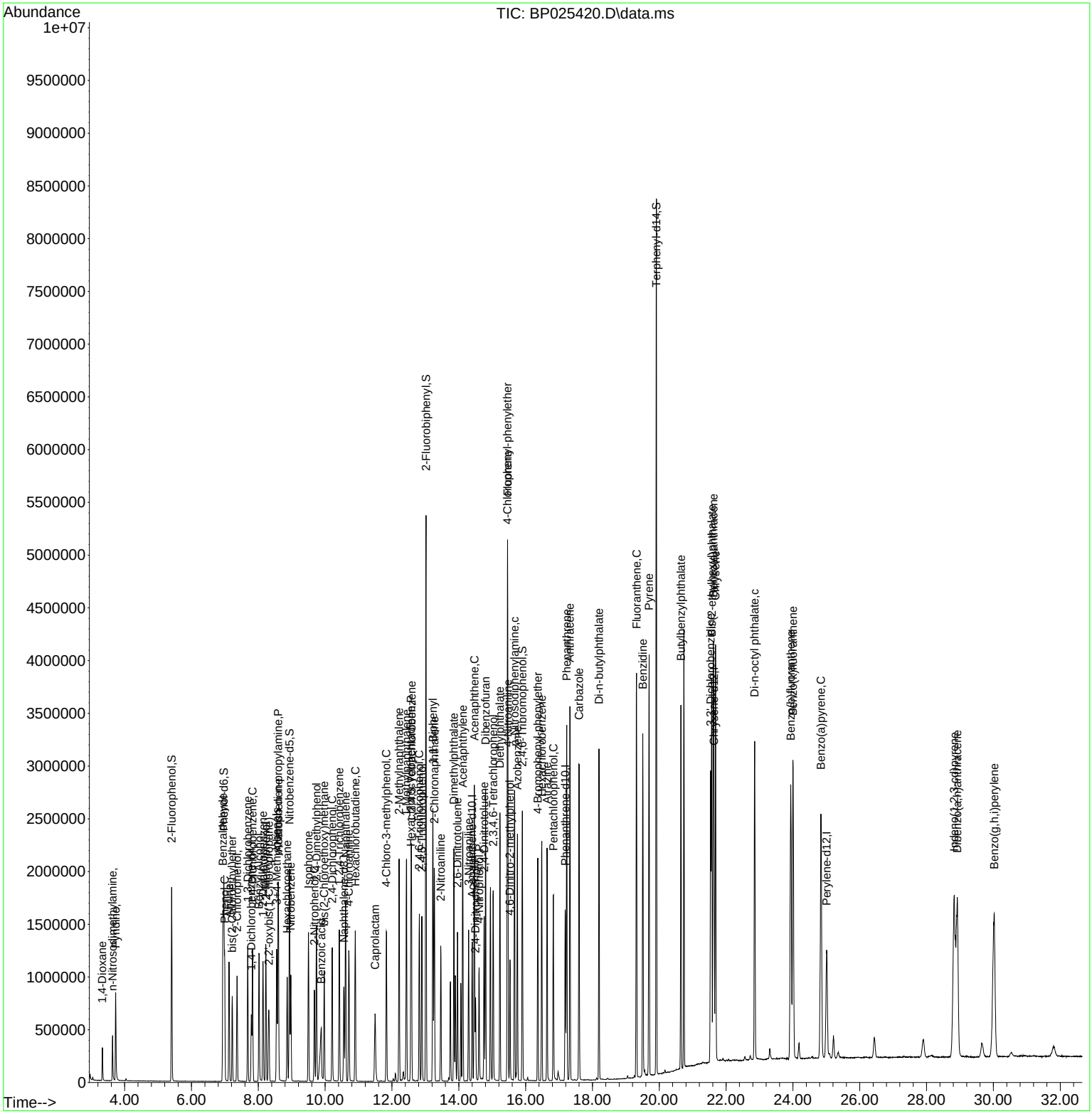
(#) = qualifier out of range (m) = manual integration (+) = signals summed

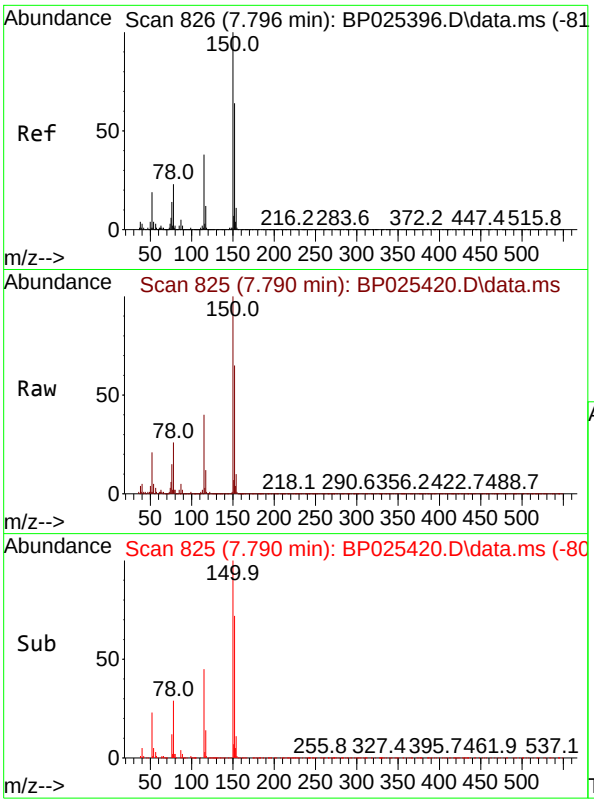
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081425\
Data File : BP025420.D
Acq On : 15 Aug 2025 09:13
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 15 10:41:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



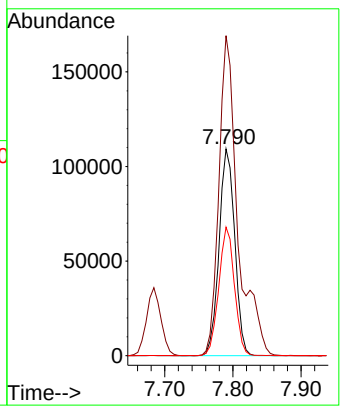


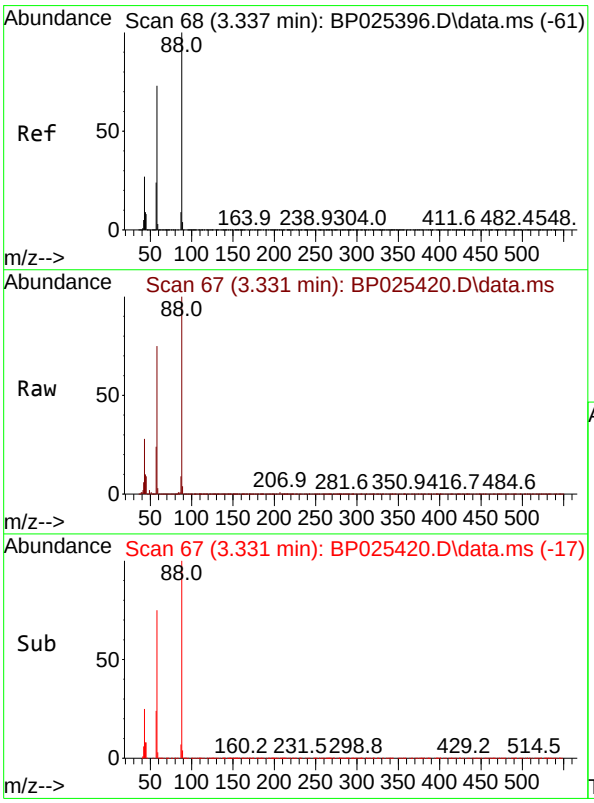
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 174735

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.9	188.9
115	62.2	48.5	72.7

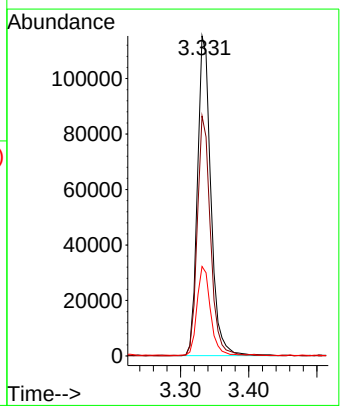


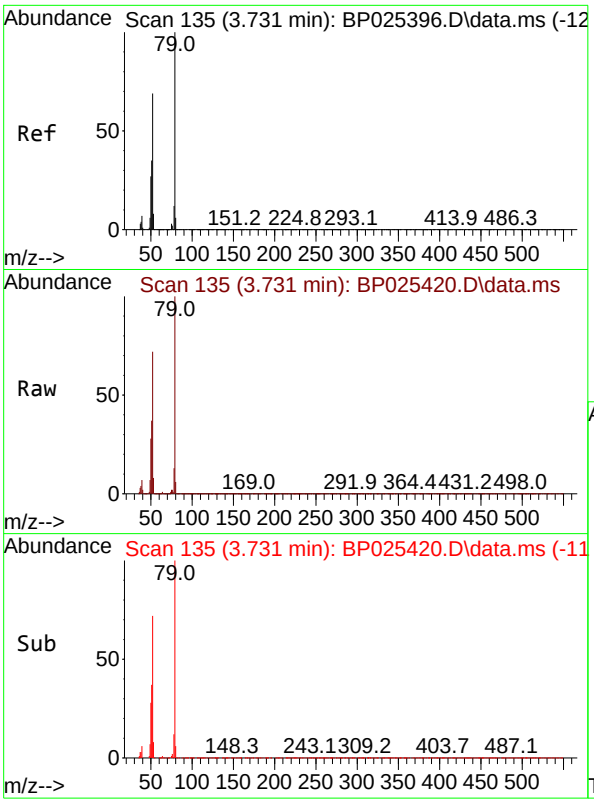


#2
1,4-Dioxane
Concen: 38.238 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 88 Resp: 157593

Ion	Ratio	Lower	Upper
88	100		
58	74.1	59.2	88.8
43	27.8	21.7	32.5



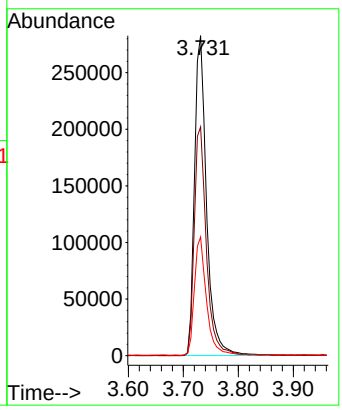


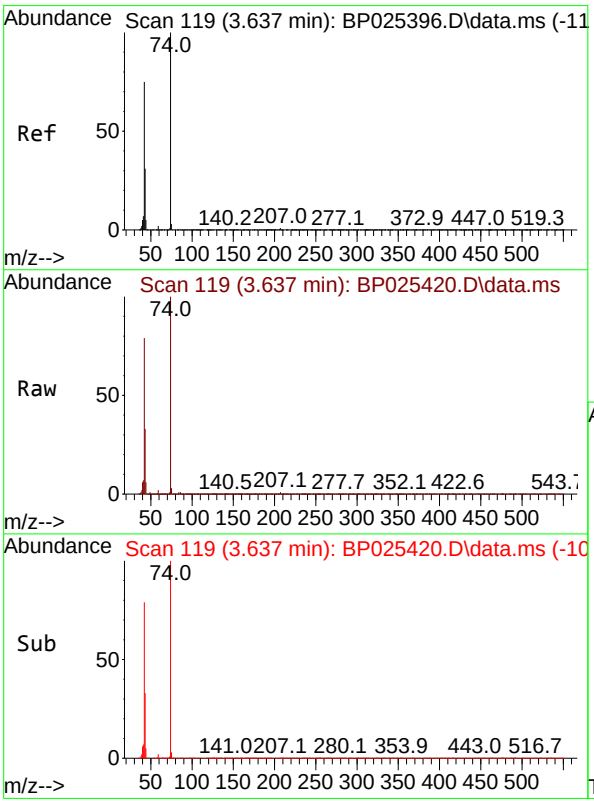
#3
Pyridine
Concen: 38.221 ng
RT: 3.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 431150

Ion	Ratio	Lower	Upper
79	100		
52	71.5	55.5	83.3
51	37.1	28.3	42.5

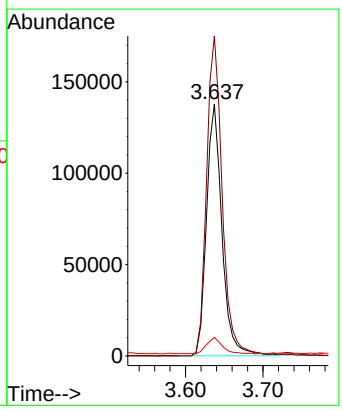


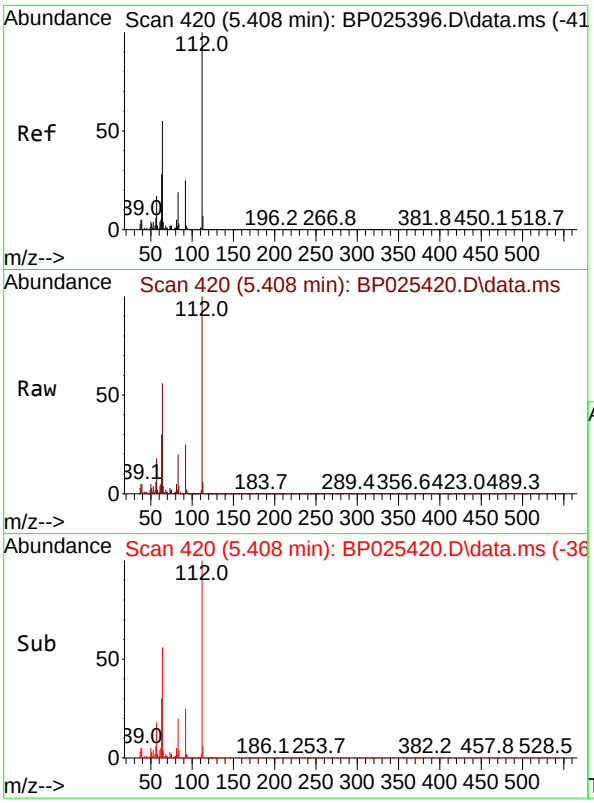


#4
n-Nitrosodimethylamine
Concen: 40.919 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 42 Resp: 190300

Ion	Ratio	Lower	Upper
42	100		
74	127.0	107.0	160.4
44	7.4	6.2	9.4



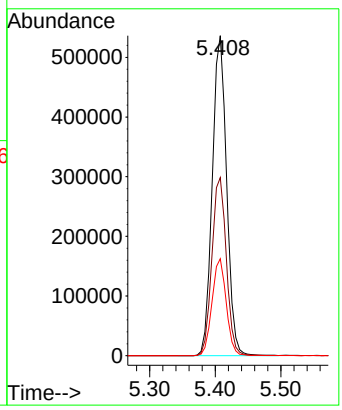


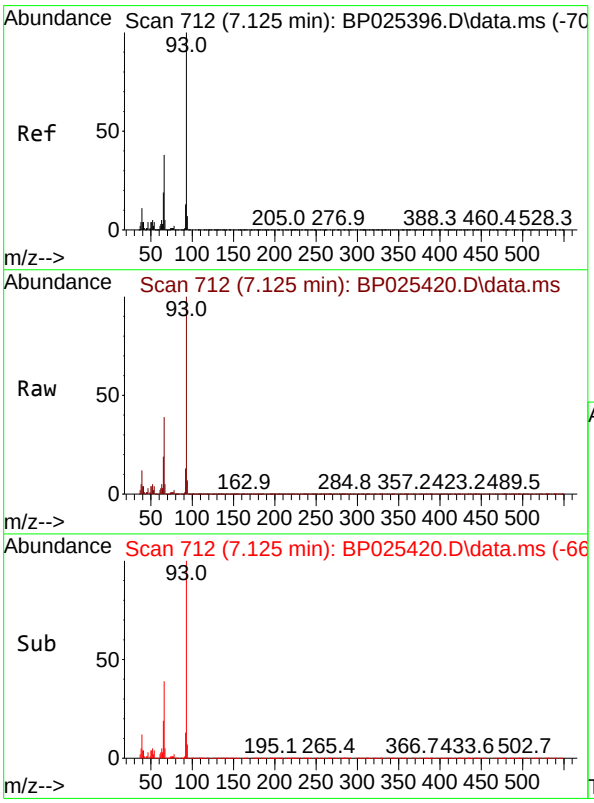
#5
2-Fluorophenol
Concen: 77.363 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 813992

Ion	Ratio	Lower	Upper
112	100		
64	55.6	43.8	65.8
63	30.3	22.7	34.1

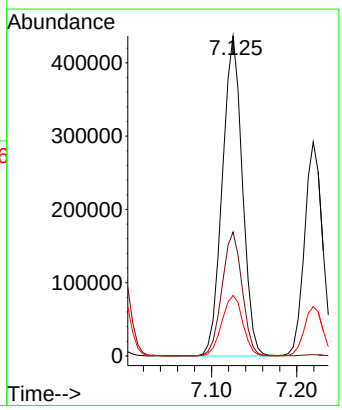


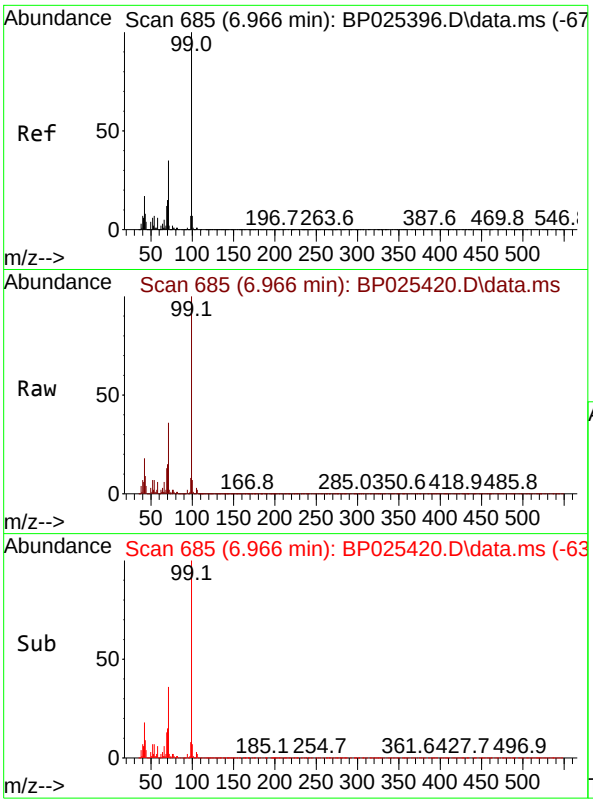


#6
Aniline
Concen: 39.201 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 93 Resp: 712490

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.4	45.6
65	18.9	15.3	22.9



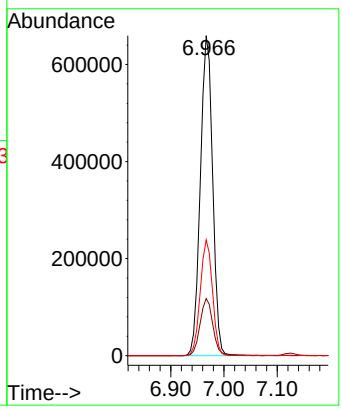


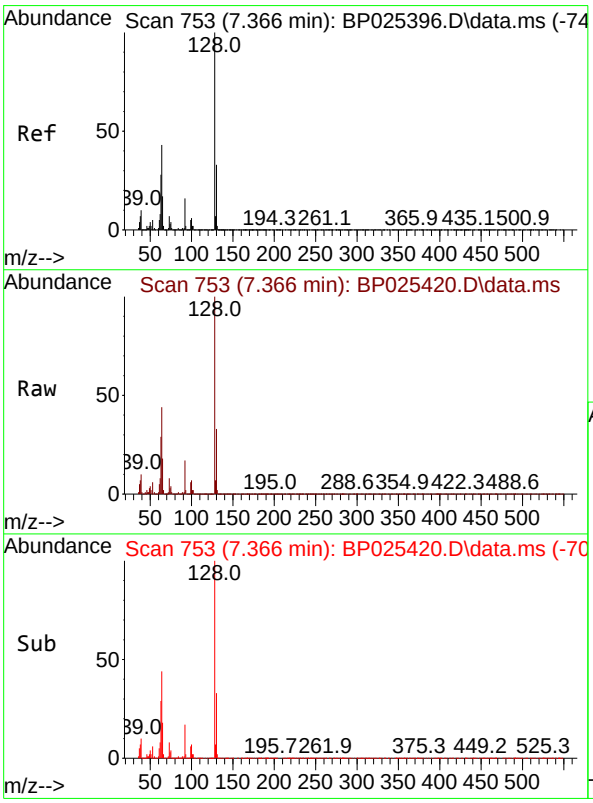
#7
Phenol-d6
Concen: 78.474 ng
RT: 6.966 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1058593

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	36.2	28.2	42.4

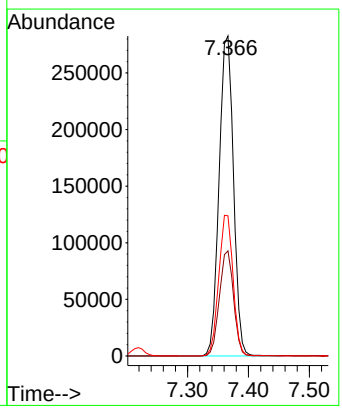


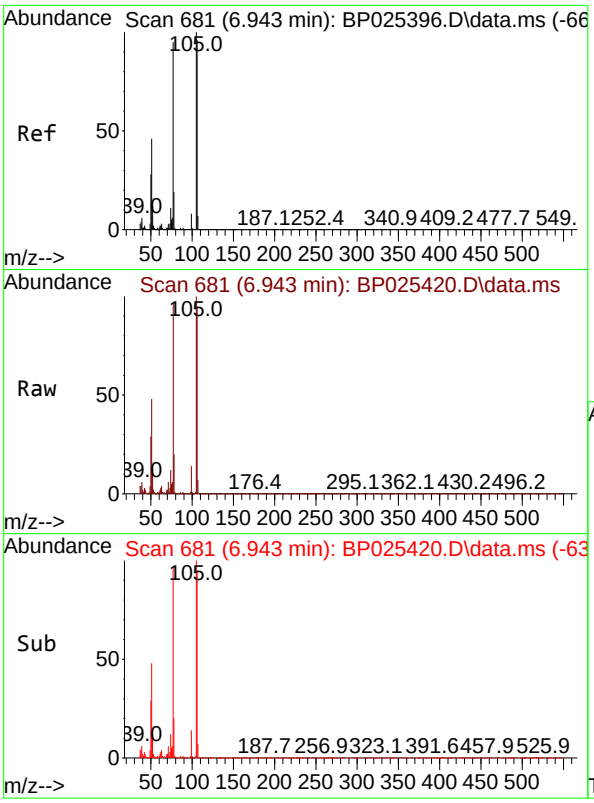


#8
2-Chlorophenol
Concen: 39.042 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:128 Resp: 463559

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.8	23.4	63.4



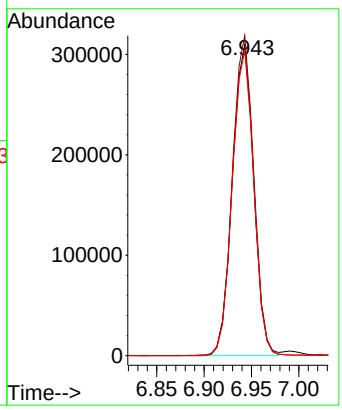


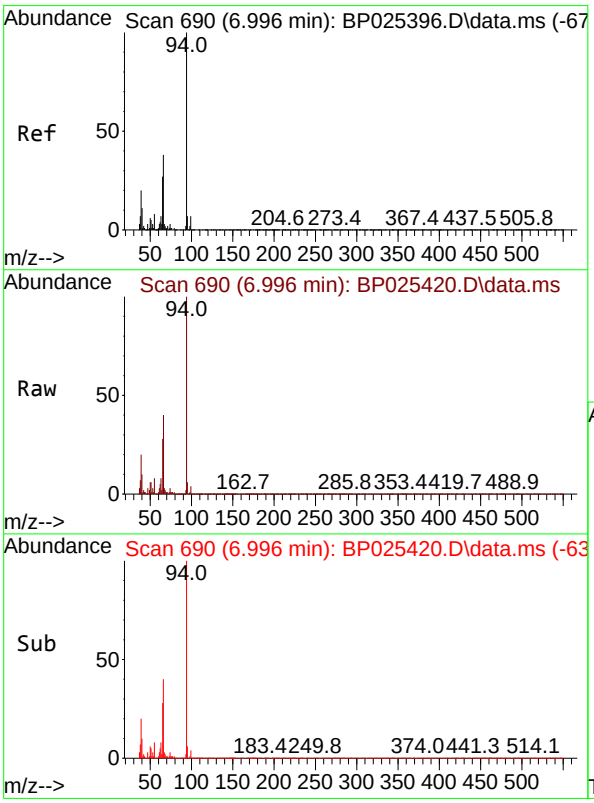
#9
Benzaldehyde
Concen: 51.318 ng
RT: 6.943 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 485014

Ion	Ratio	Lower	Upper
77	100		
105	102.9	84.8	124.8
106	98.2	80.5	120.5

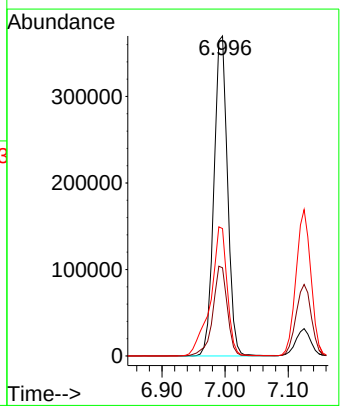


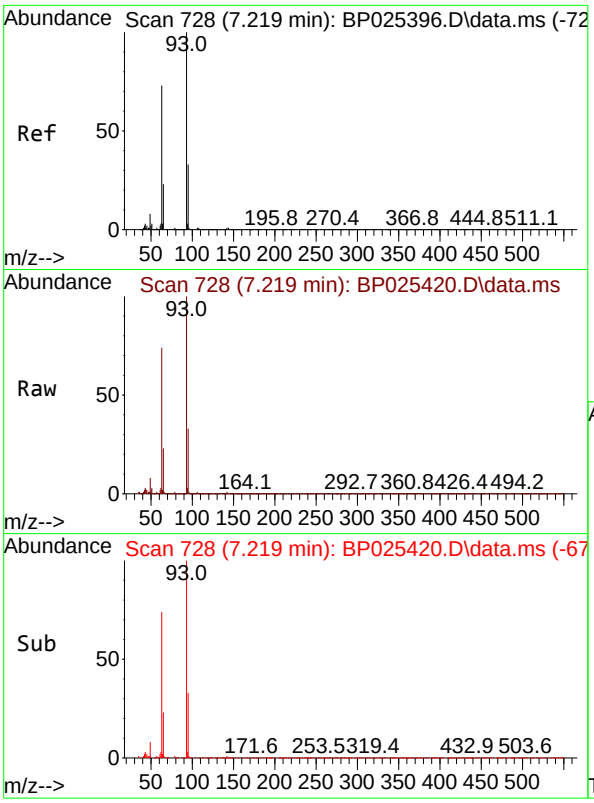


#10
Phenol
Concen: 39.121 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 94 Resp: 553755

Ion	Ratio	Lower	Upper
94	100		
65	27.6	6.8	46.8
66	39.8	18.2	58.2



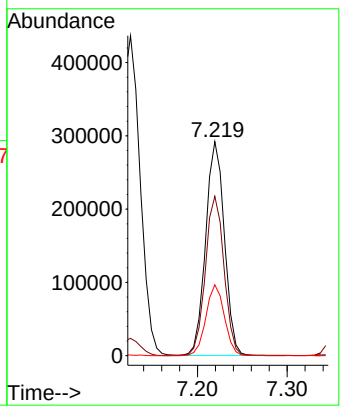


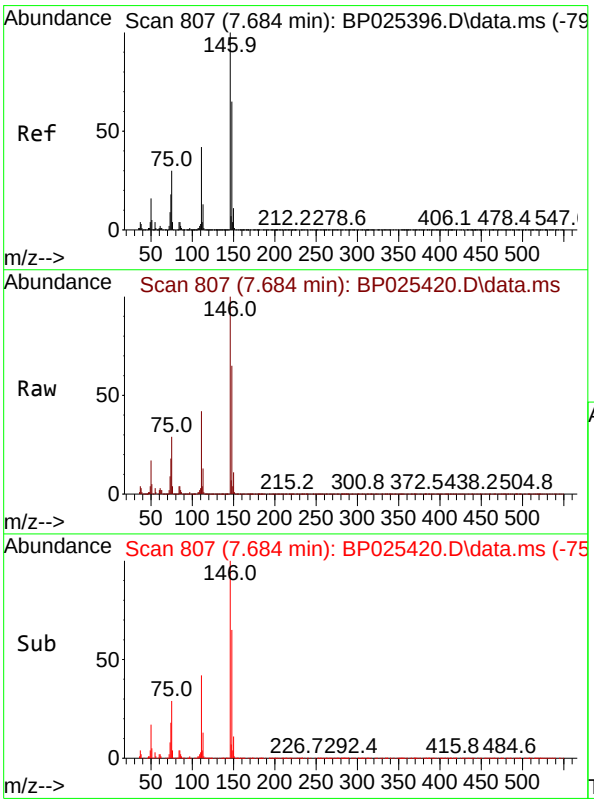
#11
bis(2-Chloroethyl)ether
Concen: 38.412 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 423787

Ion	Ratio	Lower	Upper
93	100		
63	74.4	52.6	92.6
95	33.1	12.7	52.7

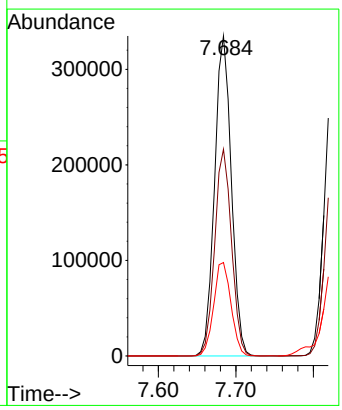


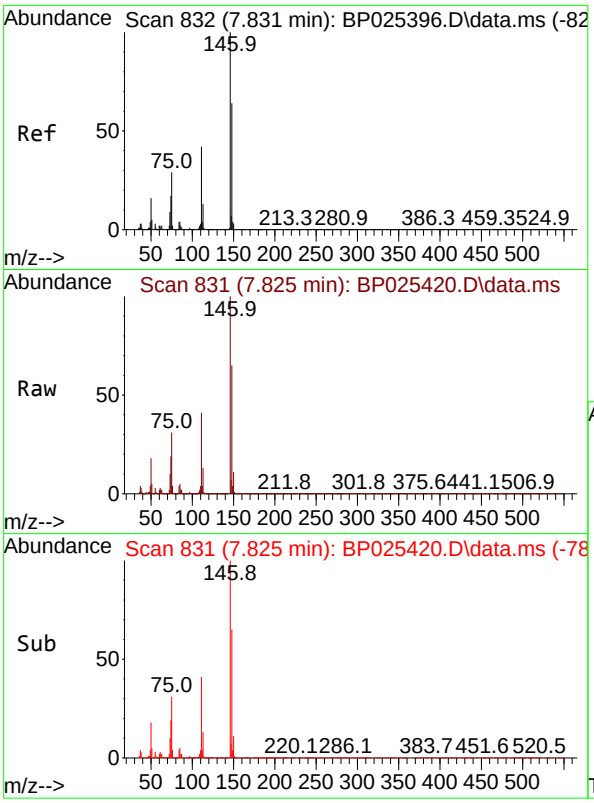


#12
1,3-Dichlorobenzene
Concen: 38.382 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:146 Resp: 502508

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	29.2	23.7	35.5



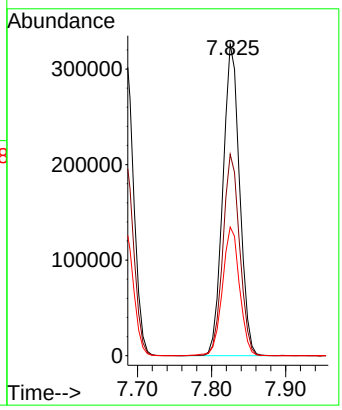


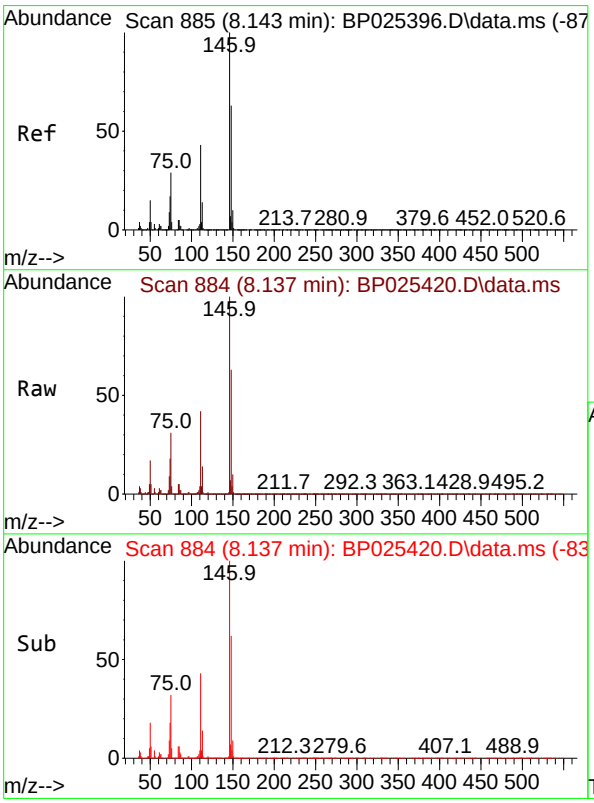
#13
1,4-Dichlorobenzene
Concen: 38.189 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 511040

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
111	41.3	33.4	50.0

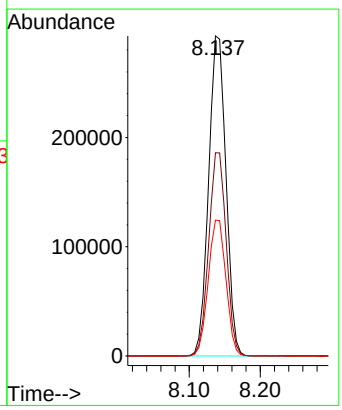


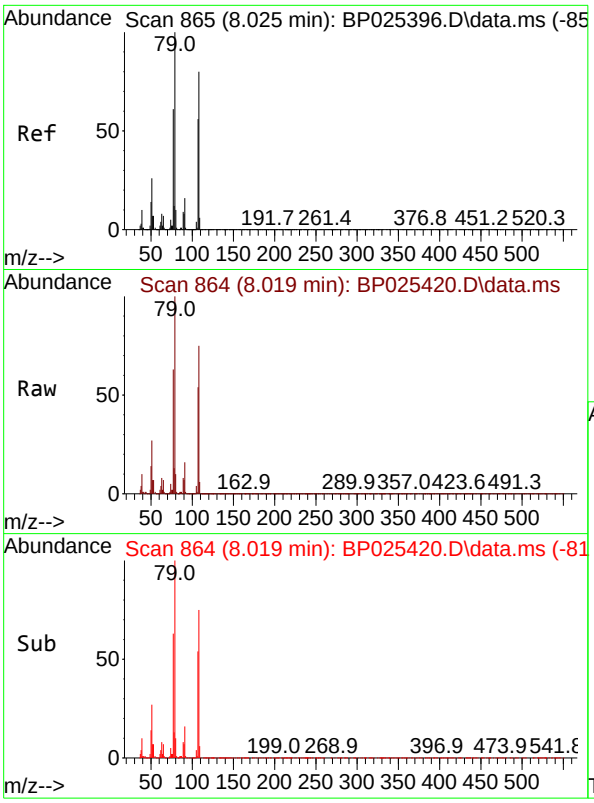


#14
1,2-Dichlorobenzene
Concen: 38.382 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:146 Resp: 497191

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.4	75.6
111	42.5	34.5	51.7



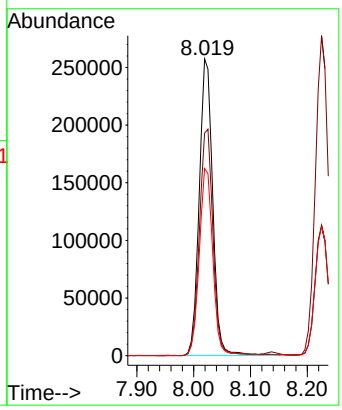


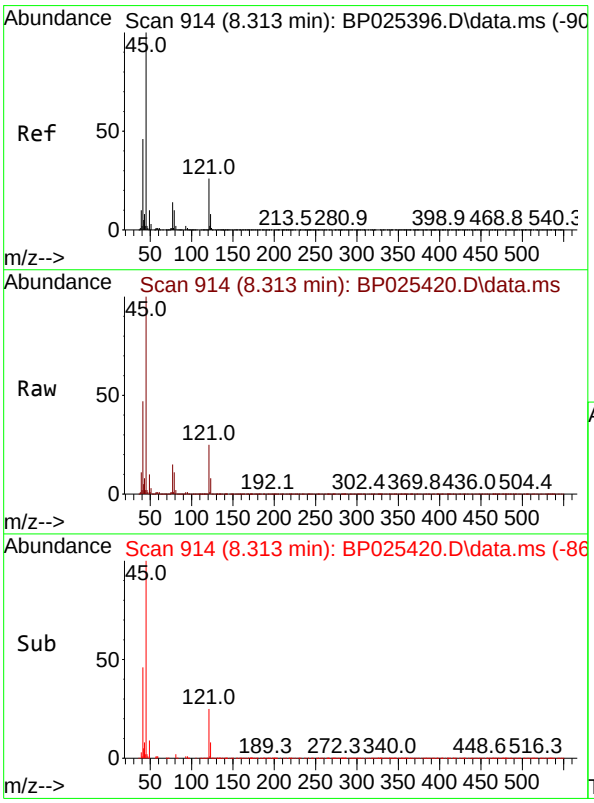
#15
Benzyl Alcohol
Concen: 39.625 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 424721

Ion	Ratio	Lower	Upper
79	100		
108	75.0	63.8	95.6
77	63.1	49.0	73.4

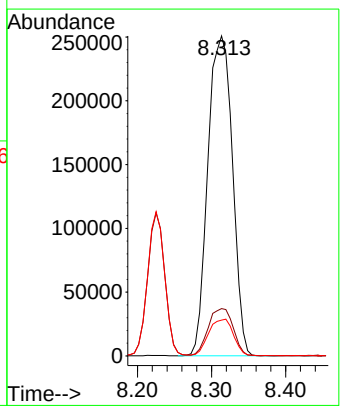


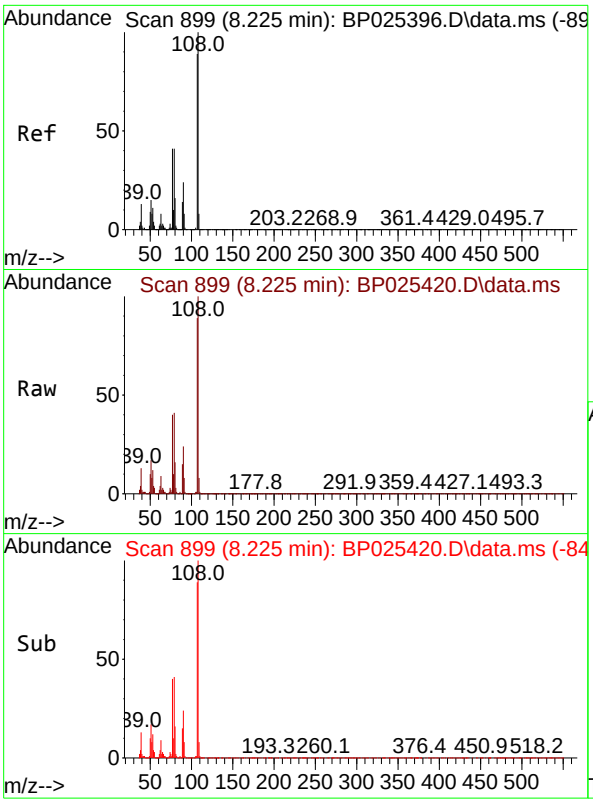


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.155 ng
RT: 8.313 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 45 Resp: 578692

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.2	0.0	31.8



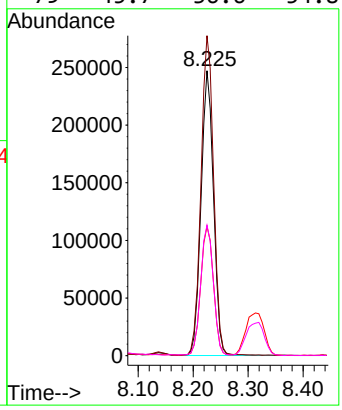


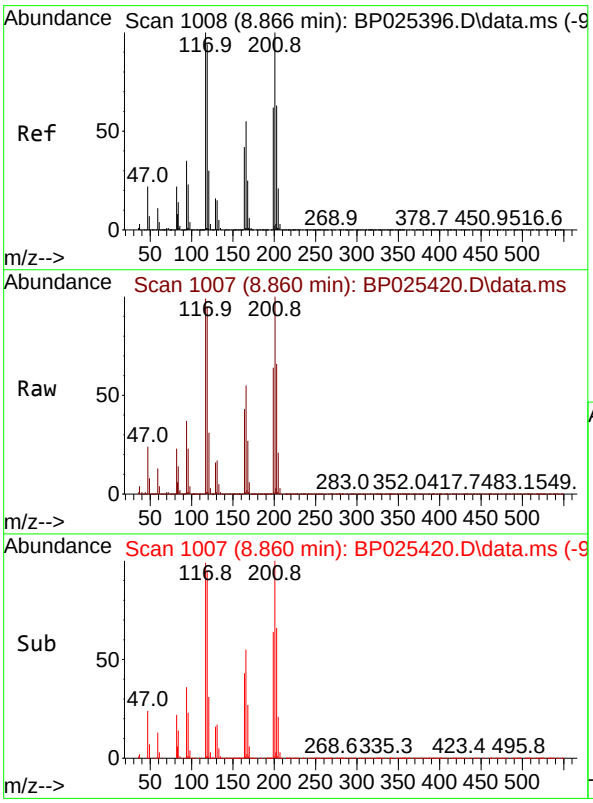
#17
2-Methylphenol
Concen: 39.552 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 388838

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.4	134.0
77	45.3	36.3	54.5
79	45.7	36.6	54.8

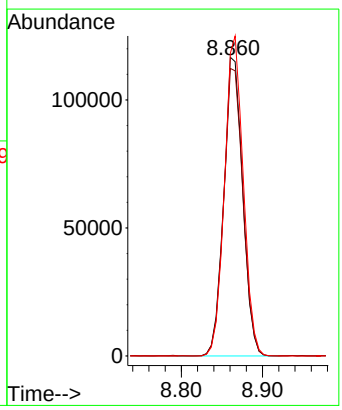


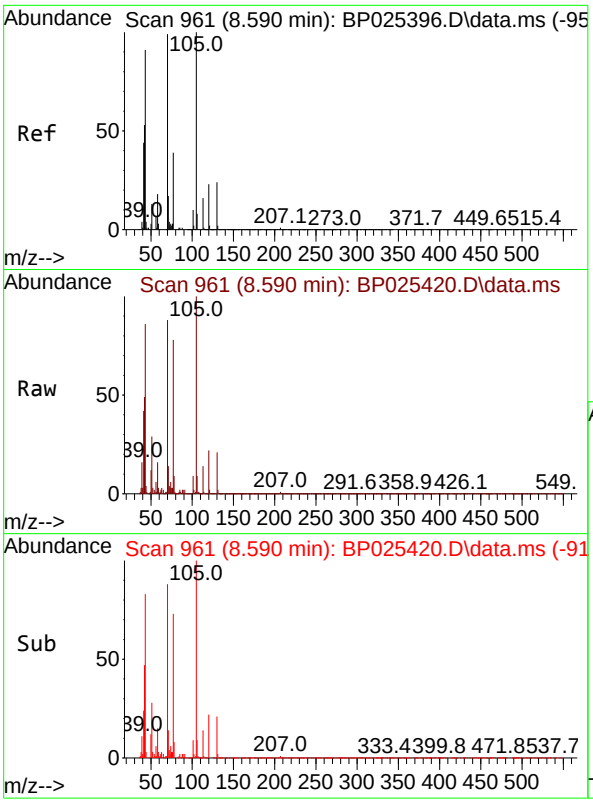


#18
Hexachloroethane
Concen: 38.564 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:117 Resp: 189741

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.1	112.7
201	101.3	80.1	120.1



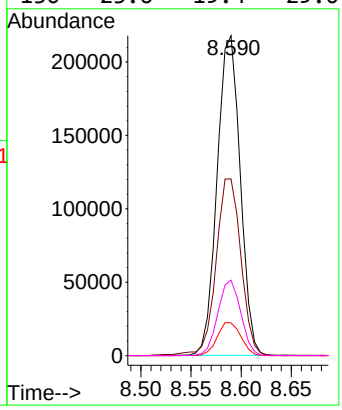


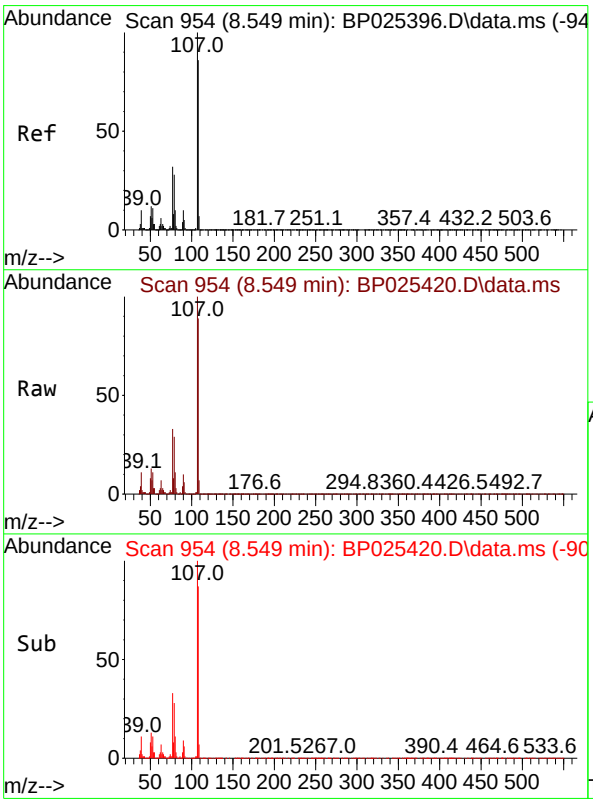
#19
n-Nitroso-di-n-propylamine
Concen: 39.033 ng
RT: 8.590 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 348777

Ion	Ratio	Lower	Upper
70	100		
42	55.3	43.8	65.6
101	10.3	8.5	12.7
130	23.6	19.4	29.0

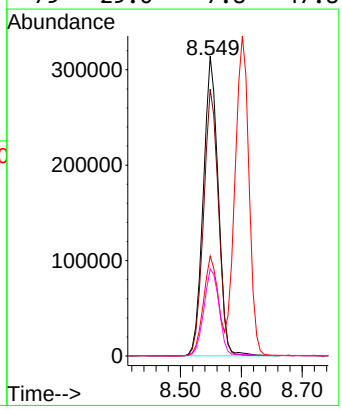


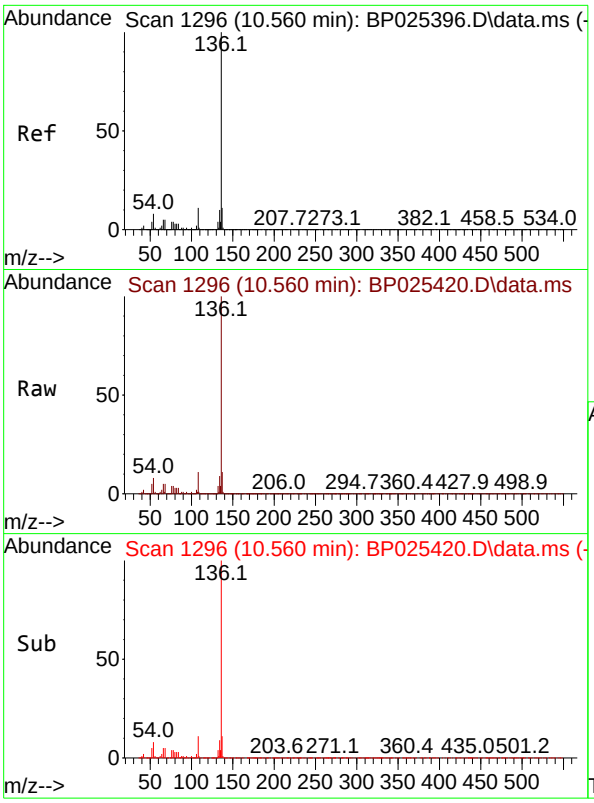


#20
3+4-Methylphenols
Concen: 39.238 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:107 Resp: 534708

Ion	Ratio	Lower	Upper
107	100		
108	89.0	66.3	106.3
77	33.4	12.3	52.3
79	29.0	7.8	47.8



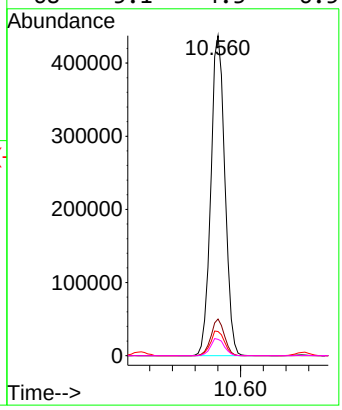


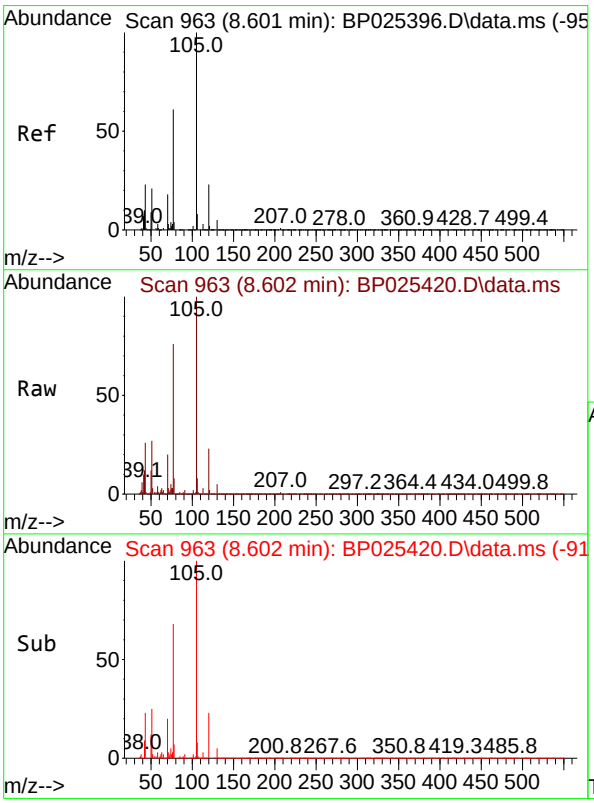
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 746476

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

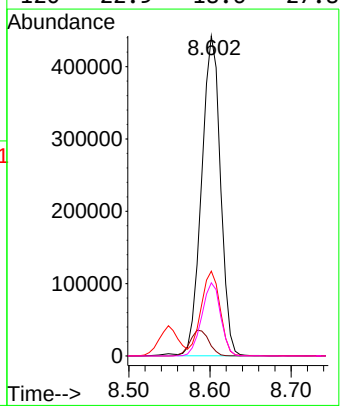


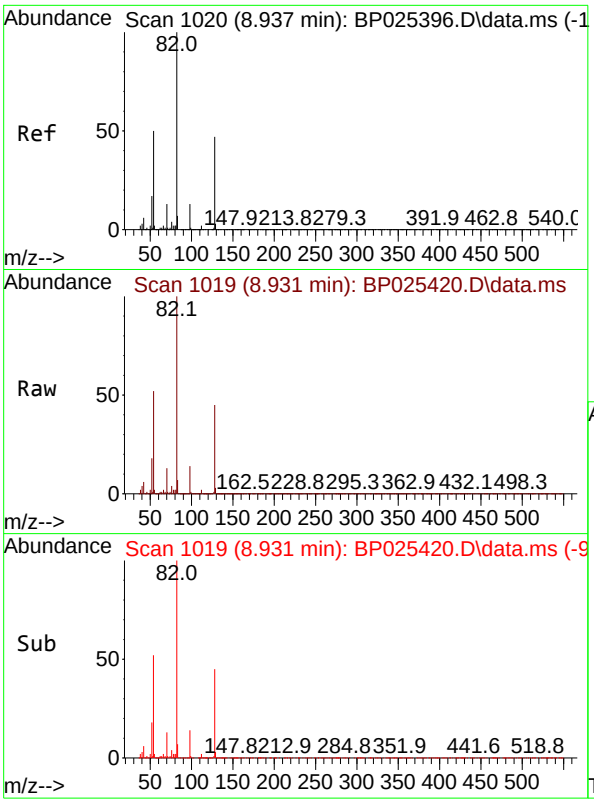


#22
Acetophenone
Concen: 38.088 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:105 Resp: 713012

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.6	4.0
51	26.5	20.6	30.8
120	22.9	18.6	27.8



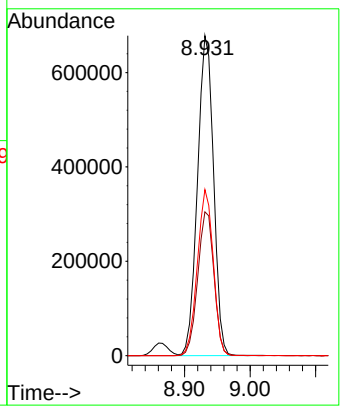


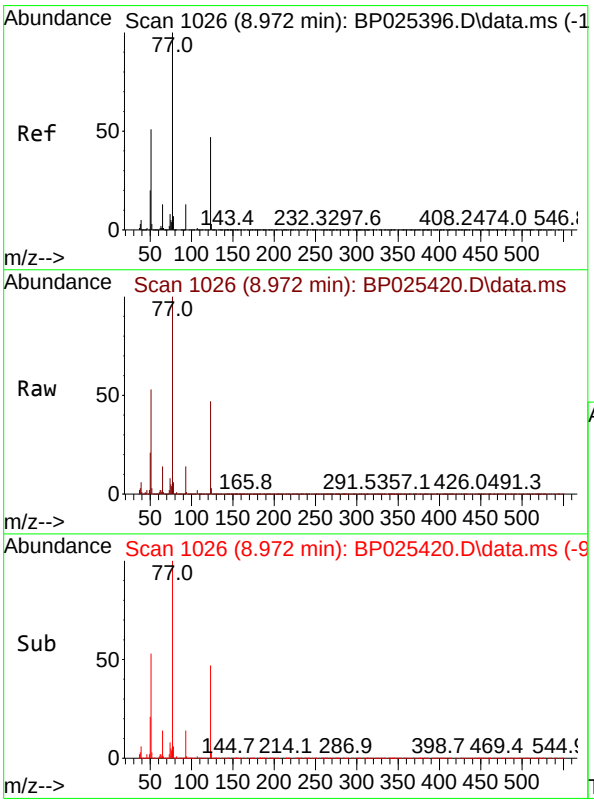
#23
Nitrobenzene-d5
Concen: 78.403 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1156964

Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.7	56.5
54	51.9	39.8	59.6

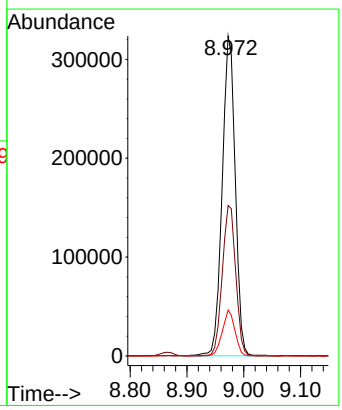


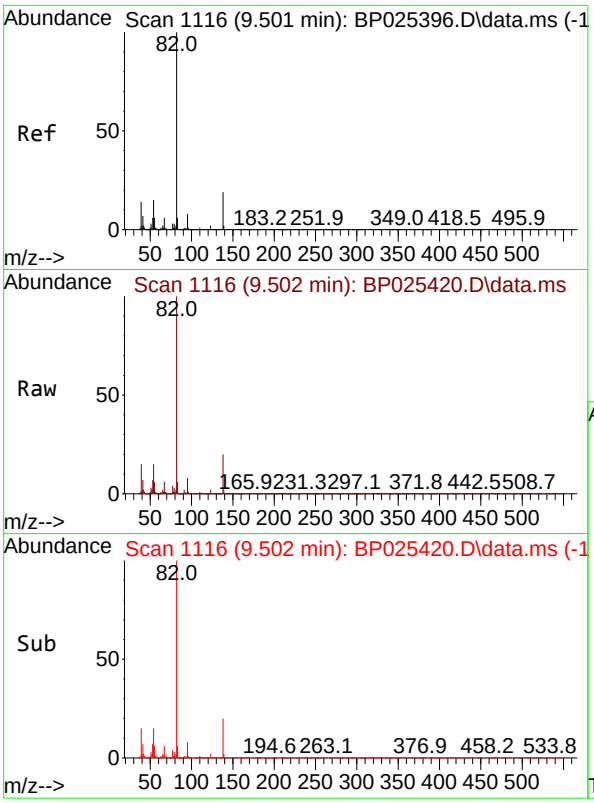


#24
Nitrobenzene
Concen: 39.305 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 77 Resp: 518361

Ion	Ratio	Lower	Upper
77	100		
123	47.0	38.6	58.0
65	14.3	10.6	15.8



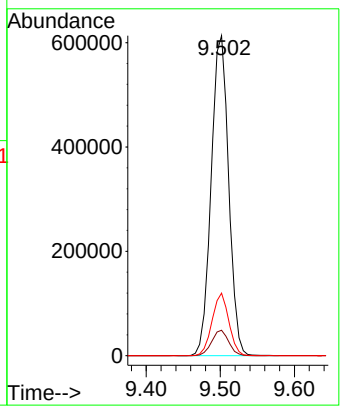


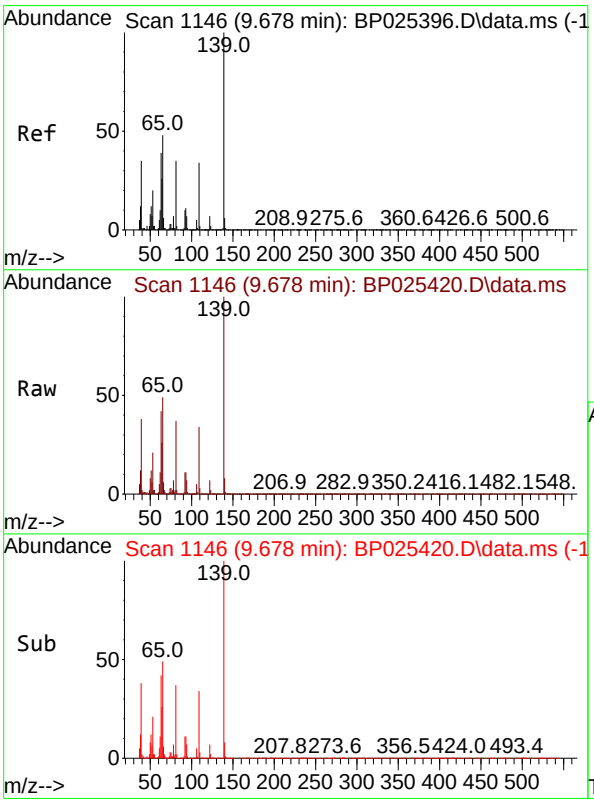
#25
Isophorone
Concen: 38.375 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1002189

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	19.5	15.4	23.0

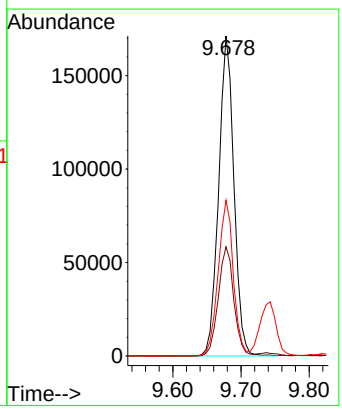


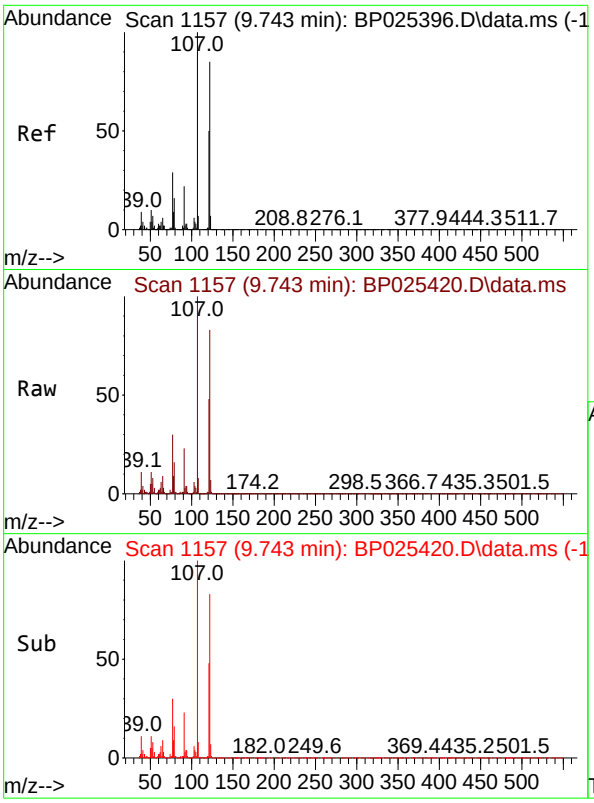


#26
2-Nitrophenol
Concen: 39.387 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:139 Resp: 266580

Ion	Ratio	Lower	Upper
139	100		
109	34.1	26.9	40.3
65	48.7	38.3	57.5



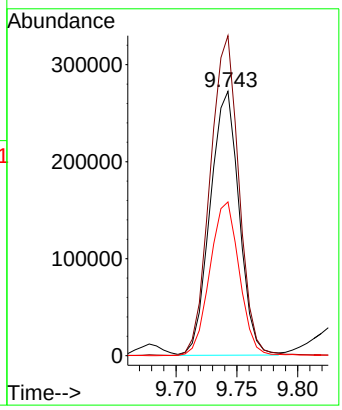


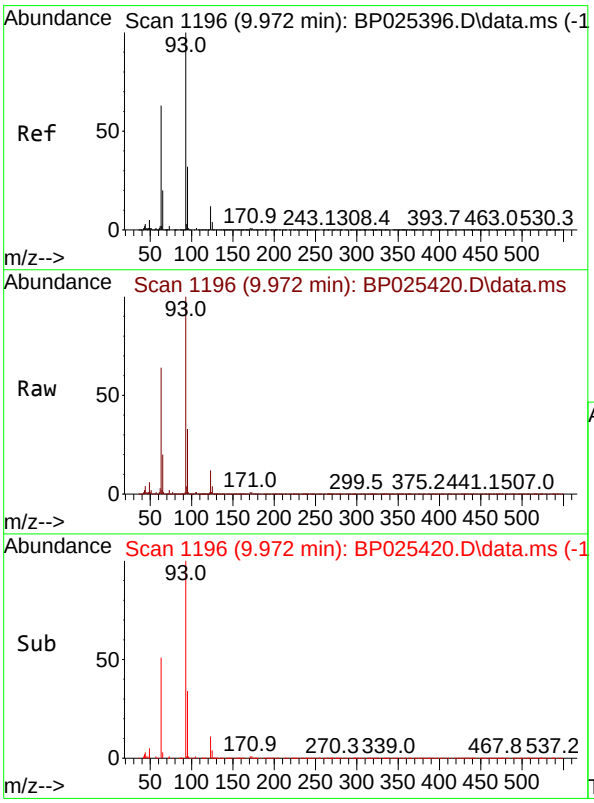
#27
2,4-Dimethylphenol
Concen: 38.698 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 450423

Ion	Ratio	Lower	Upper
122	100		
107	121.1	93.7	140.5
121	58.2	46.6	69.8

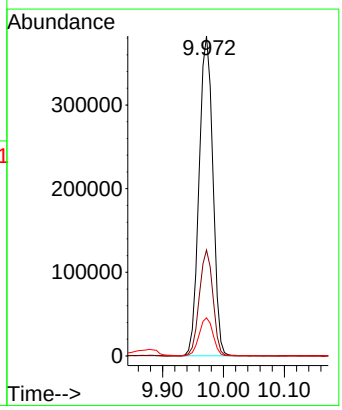


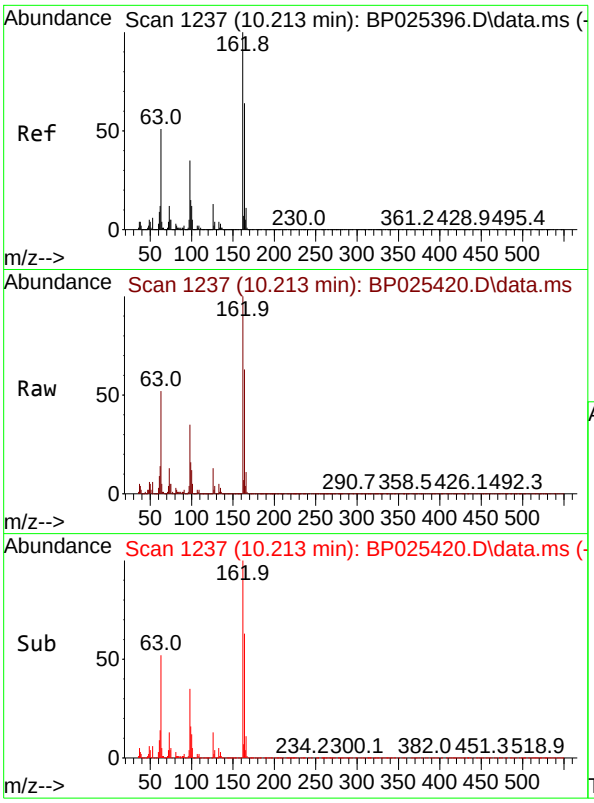


#28
bis(2-Chloroethoxy)methane
Concen: 38.016 ng
RT: 9.972 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 93 Resp: 600132

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.0
123	11.9	9.4	14.0



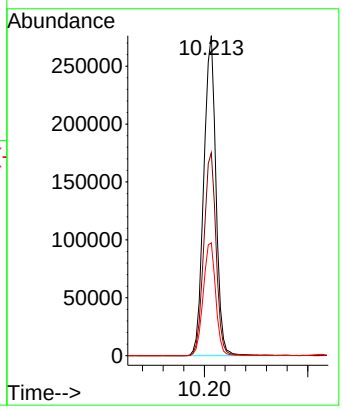


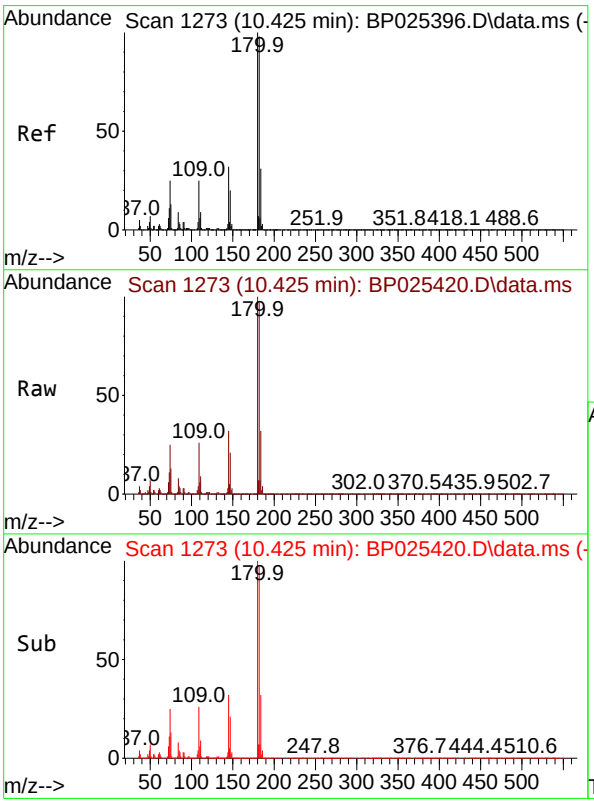
#29
2,4-Dichlorophenol
Concen: 39.074 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 451798

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.4	84.4
98	35.2	14.9	54.9

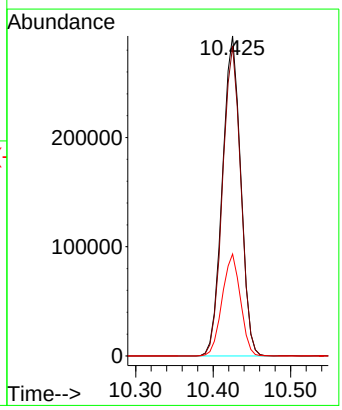


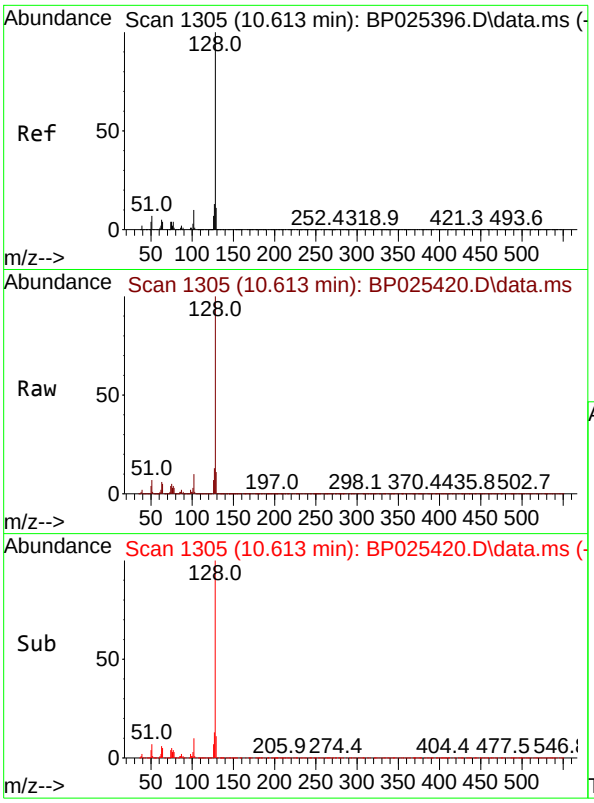


#30
1,2,4-Trichlorobenzene
Concen: 37.976 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:180 Resp: 481348

Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.0	117.0
145	31.9	25.9	38.9



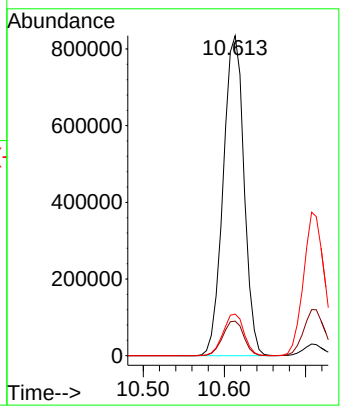


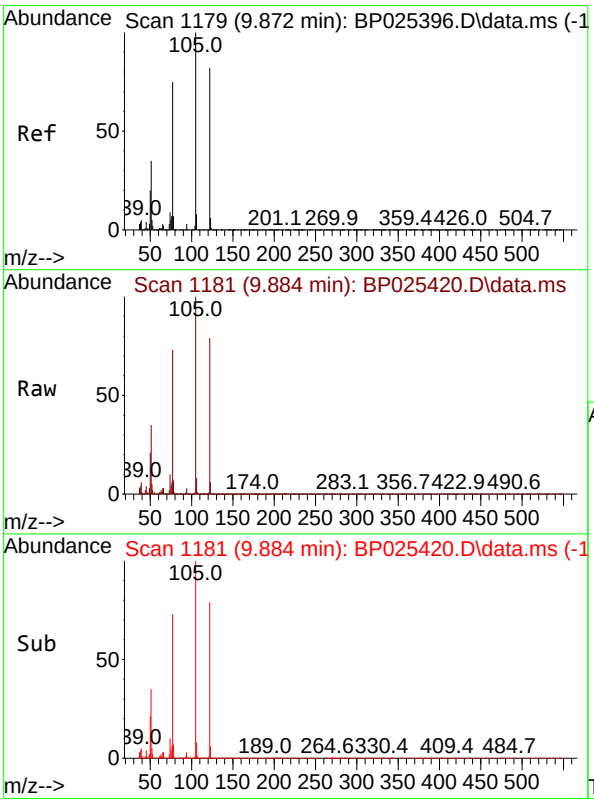
#31
Naphthalene
Concen: 38.297 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1485874

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.7	16.1

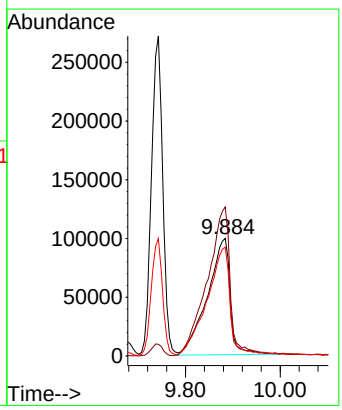


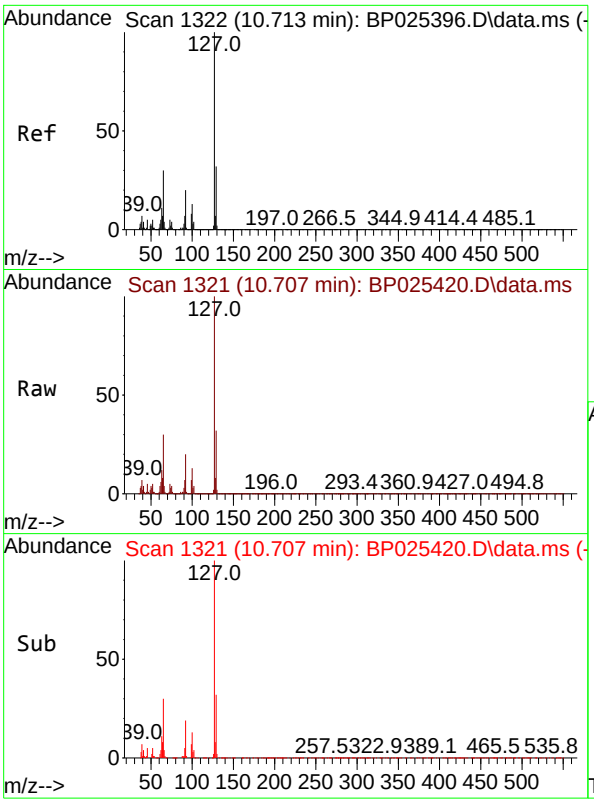


#32
Benzoic acid
Concen: 38.436 ng
RT: 9.884 min Scan# 1181
Delta R.T. 0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:122 Resp: 330291

Ion	Ratio	Lower	Upper
122	100		
105	126.8	100.6	140.6
77	92.4	71.5	111.5



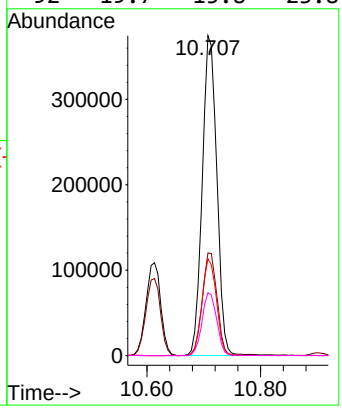


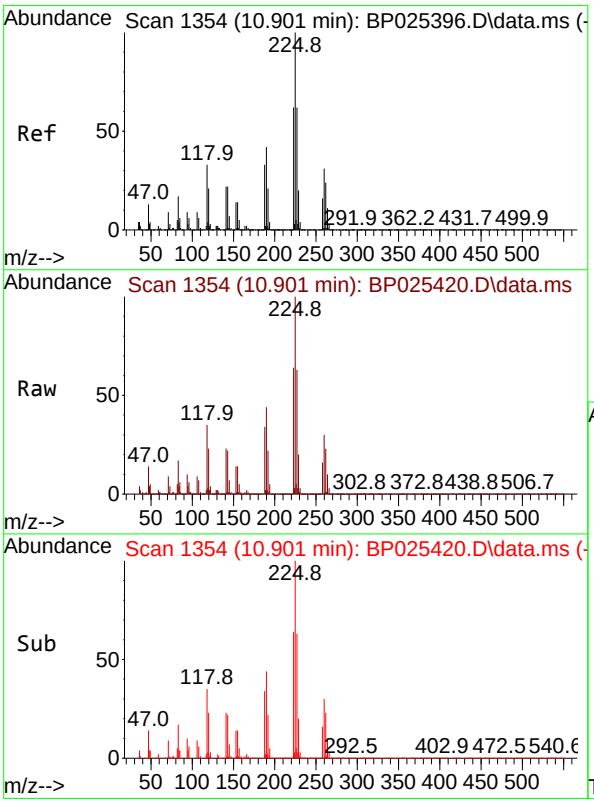
#33
4-Chloroaniline
Concen: 38.946 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 667456

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.2
65	30.3	23.8	35.6
92	19.7	15.8	23.8

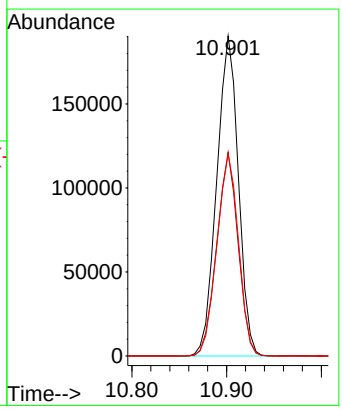


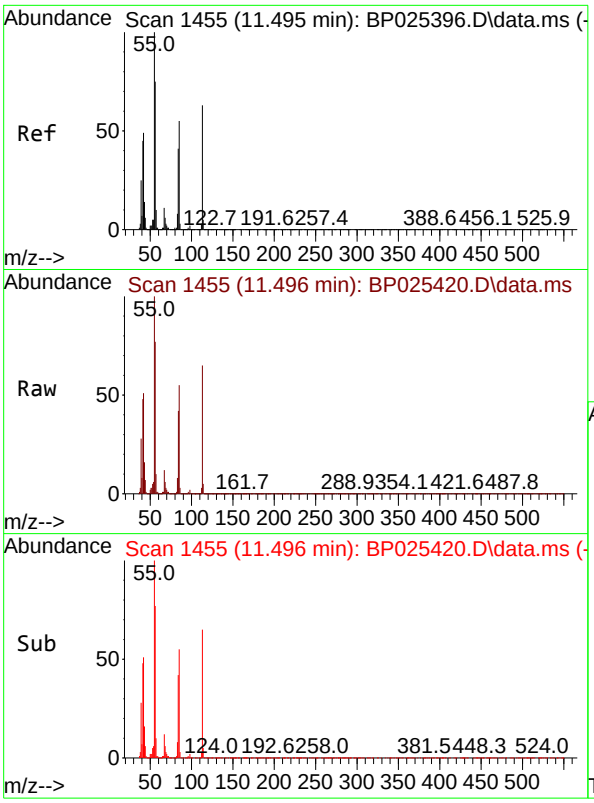


#34
Hexachlorobutadiene
Concen: 38.255 ng
RT: 10.901 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:225 Resp: 301977

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.0	75.0
227	63.2	49.7	74.5



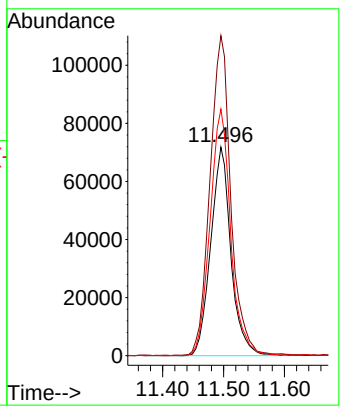


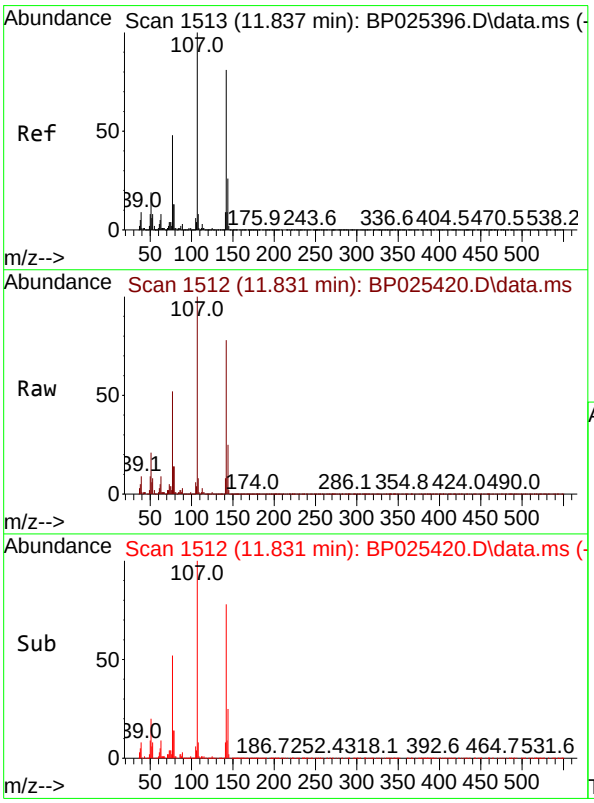
#35
Caprolactam
Concen: 38.897 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 164915

Ion	Ratio	Lower	Upper
113	100		
55	153.5	140.0	180.0
56	118.2	100.0	140.0

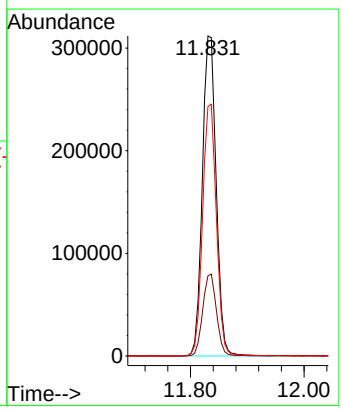


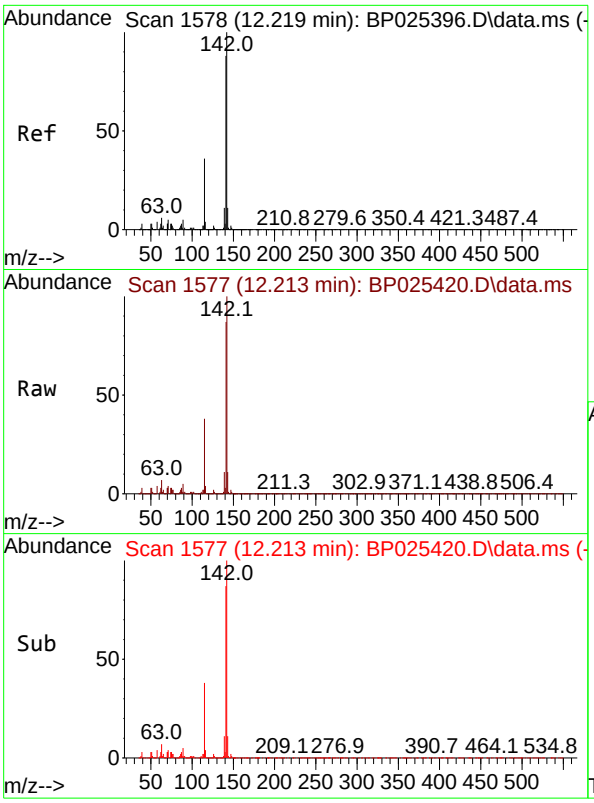


#36
4-Chloro-3-methylphenol
Concen: 39.556 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:107 Resp: 524817

Ion	Ratio	Lower	Upper
107	100		
144	25.1	21.0	31.4
142	78.0	64.6	97.0



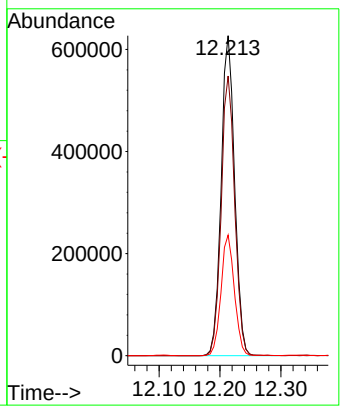


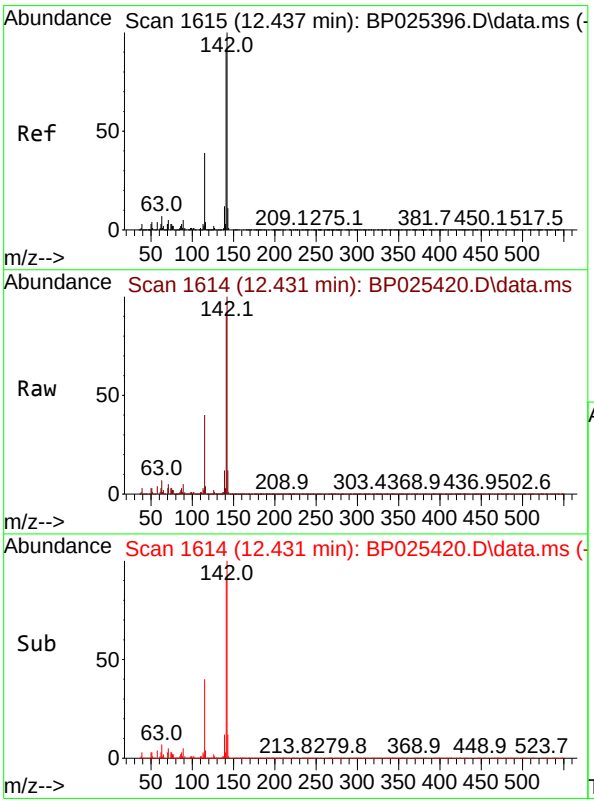
#37
2-Methylnaphthalene
Concen: 38.127 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 962672

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.3	105.5
115	37.7	28.9	43.3

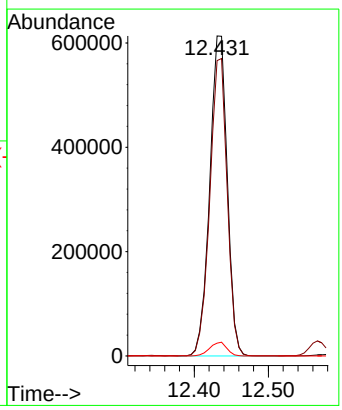


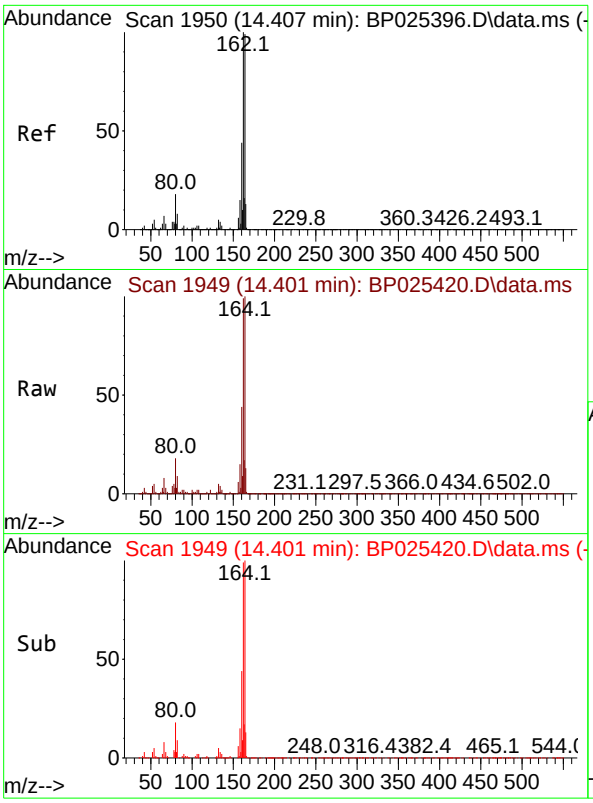


#38
1-Methylnaphthalene
Concen: 37.519 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:142 Resp: 1007418

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7
116	4.0	3.2	4.8



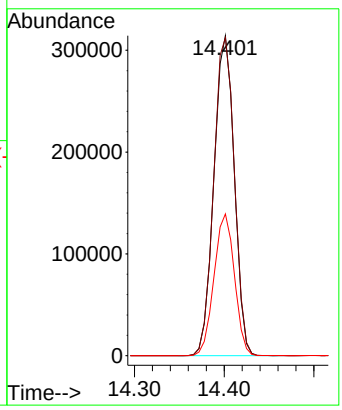


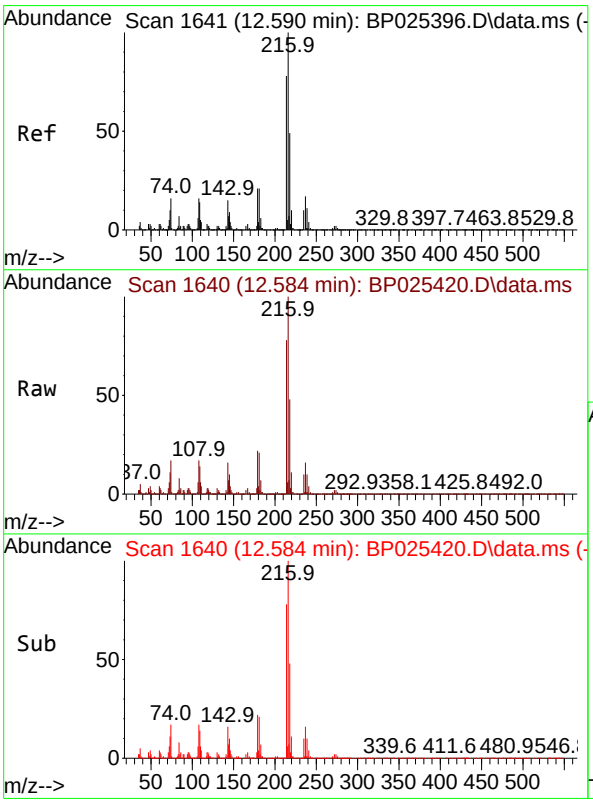
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 494163

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.0	121.6
160	44.3	35.4	53.2

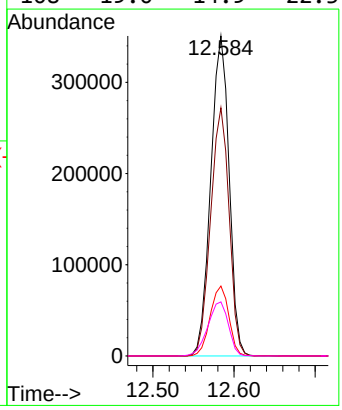


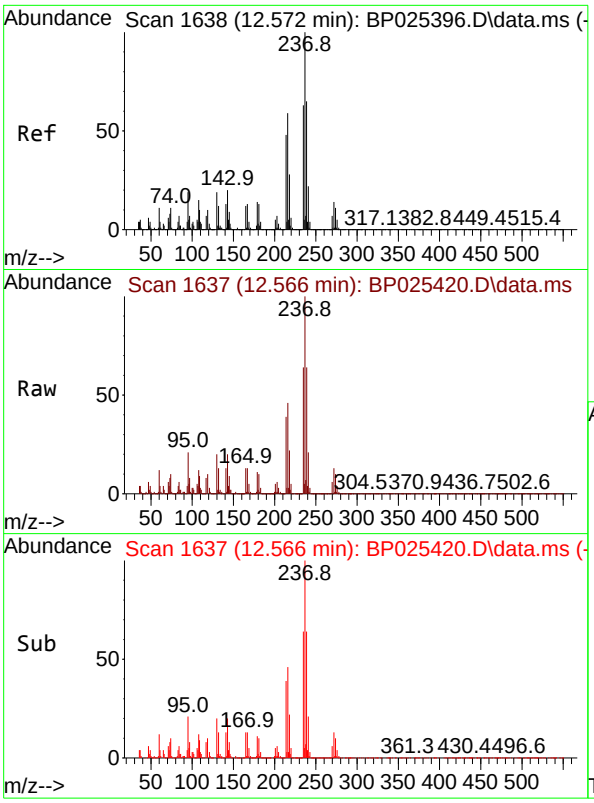


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.637 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:216 Resp: 551420

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.4
179	22.2	17.1	25.7
108	19.0	14.9	22.3



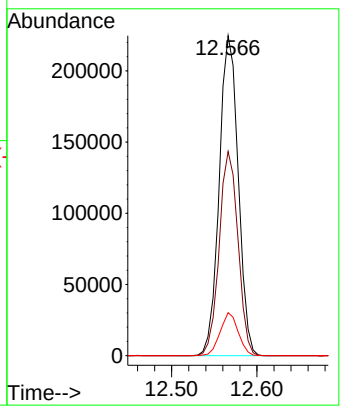


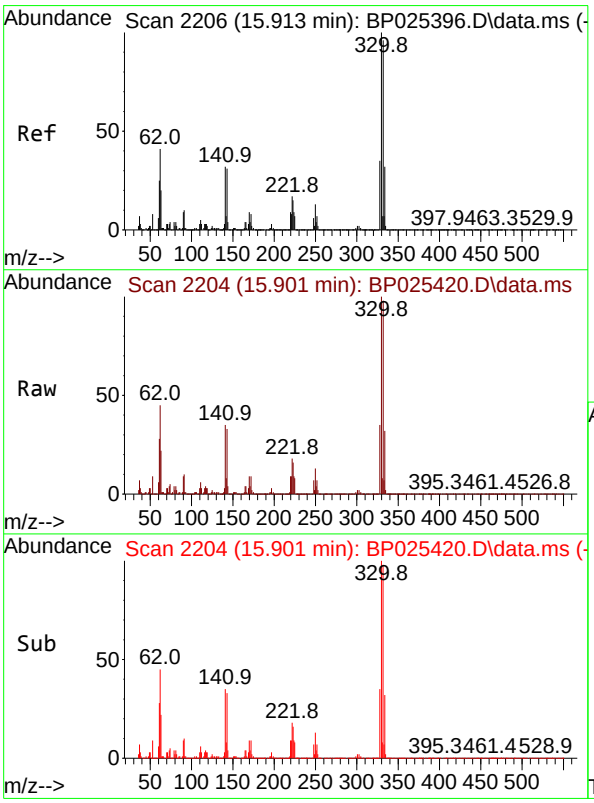
#41
Hexachlorocyclopentadiene
Concen: 40.361 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 347944

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.7	82.7
272	13.5	0.0	34.0

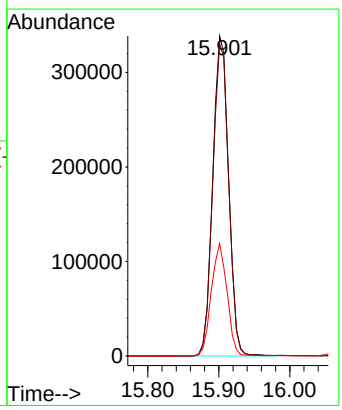


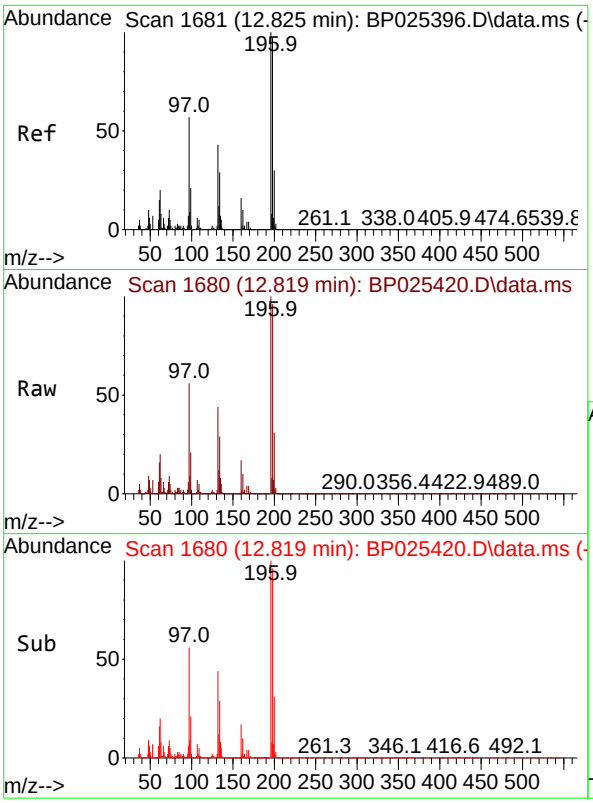


#42
2,4,6-Tribromophenol
Concen: 78.813 ng
RT: 15.901 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:330 Resp: 524221

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.3	115.9
141	34.9	26.6	39.8



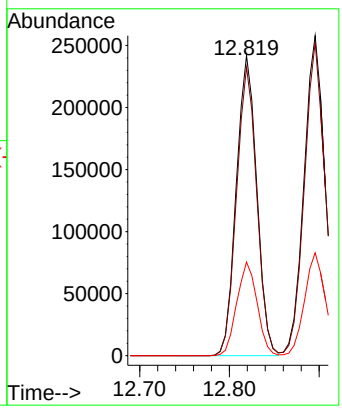


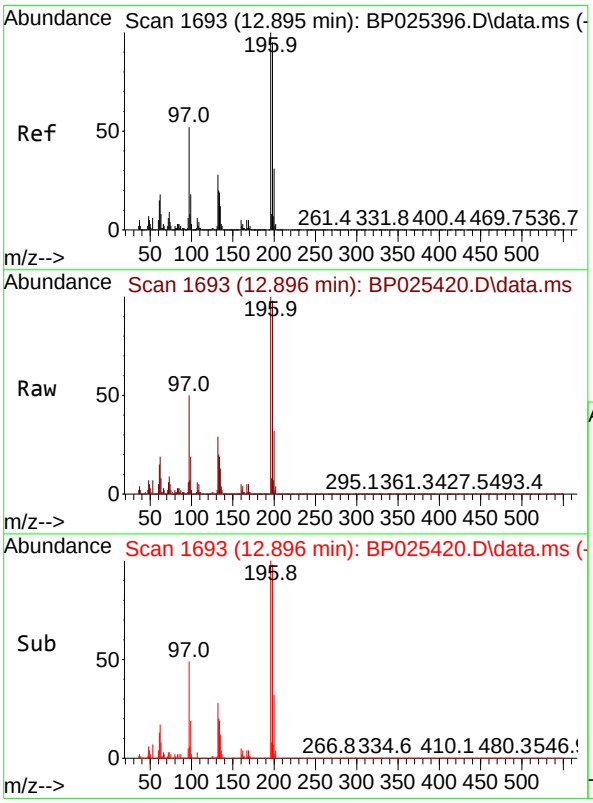
#43
2,4,6-Trichlorophenol
Concen: 39.699 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 382510

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.2	115.8
200	31.2	23.9	35.9

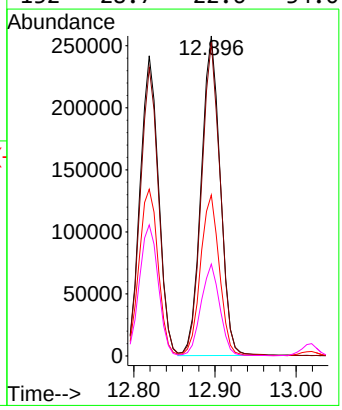


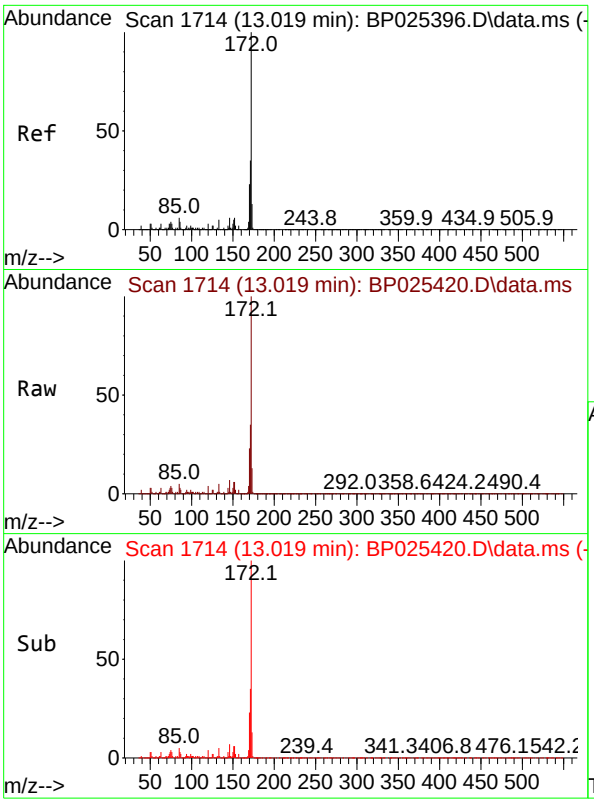


#44
2,4,5-Trichlorophenol
Concen: 39.629 ng
RT: 12.896 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:196 Resp: 418478

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.2	114.2
97	50.3	41.2	61.8
132	28.7	22.6	34.0



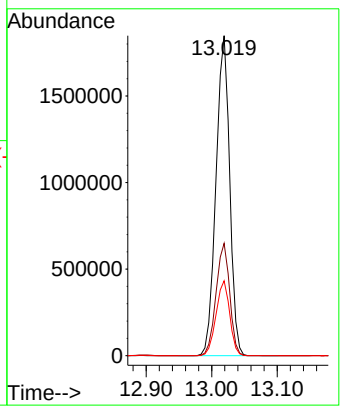


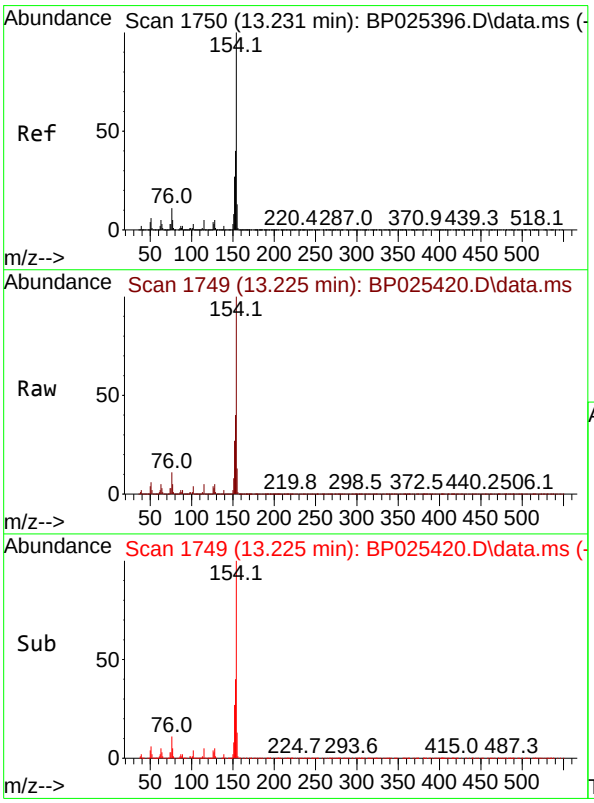
#45
2-Fluorobiphenyl
Concen: 73.679 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2664086

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.4	18.6	28.0

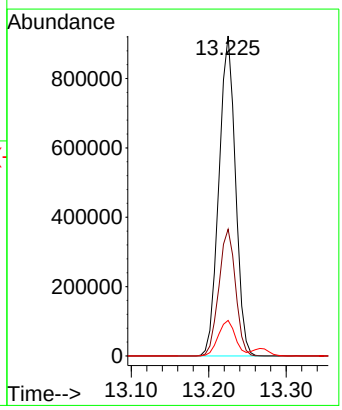


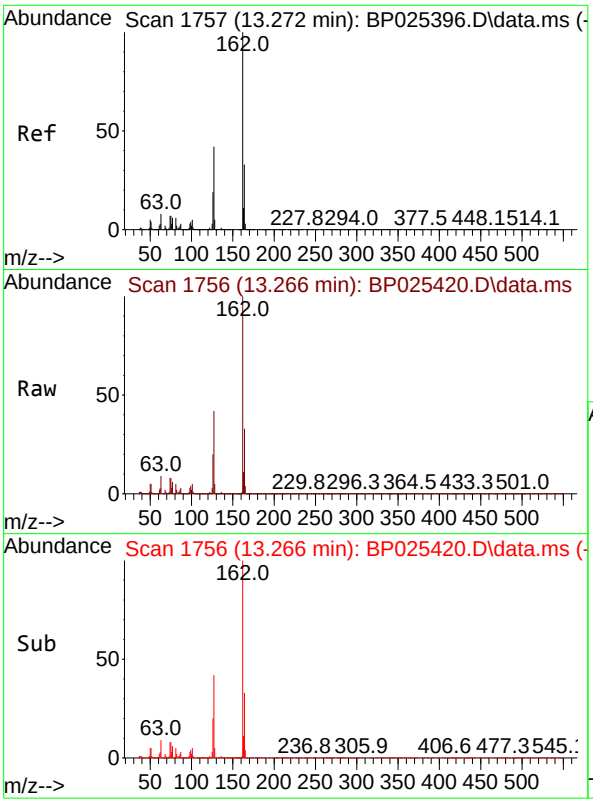


#46
1,1'-Biphenyl
Concen: 38.115 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:154 Resp: 1367904

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.5	59.5
76	11.1	0.0	31.1



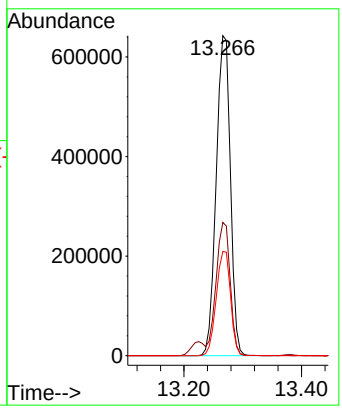


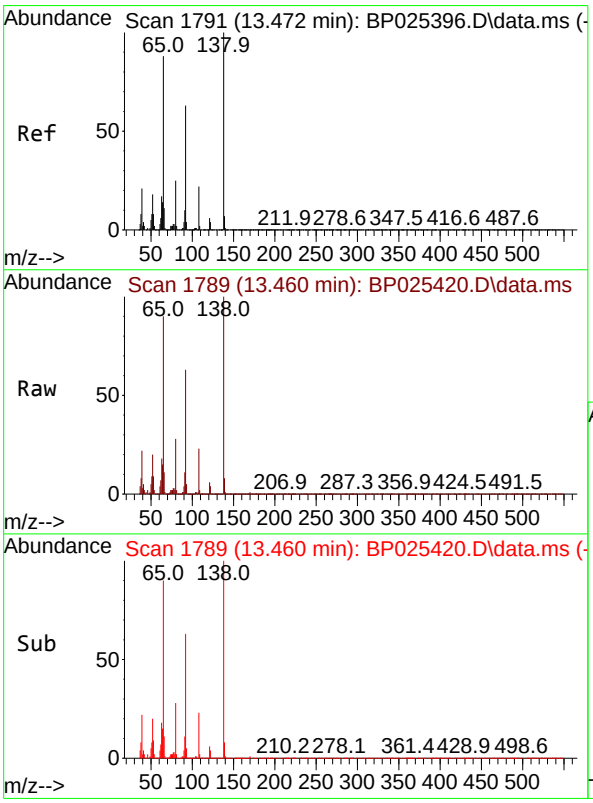
#47
2-Chloronaphthalene
Concen: 38.467 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1074743

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	32.6	26.2	39.2

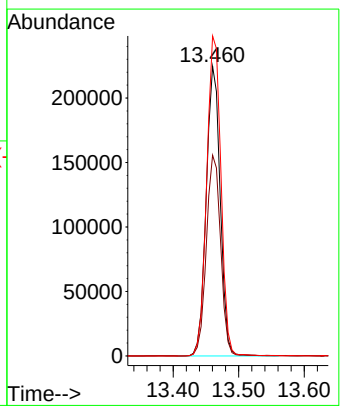


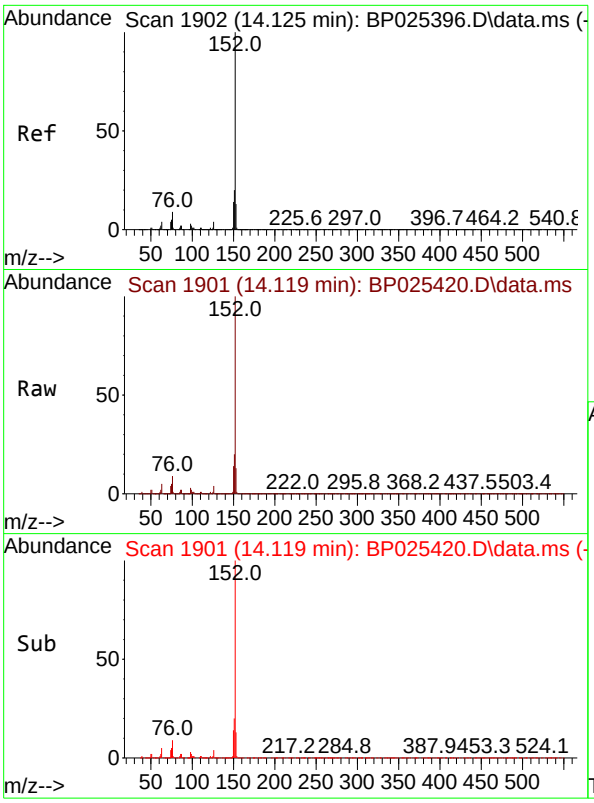


#48
2-Nitroaniline
Concen: 41.005 ng
RT: 13.460 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion: 65 Resp: 333818

Ion	Ratio	Lower	Upper
65	100		
92	69.3	57.6	86.4
138	110.5	91.0	136.6



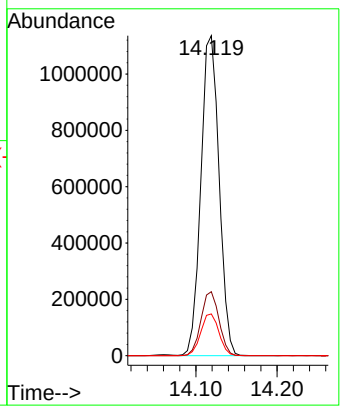


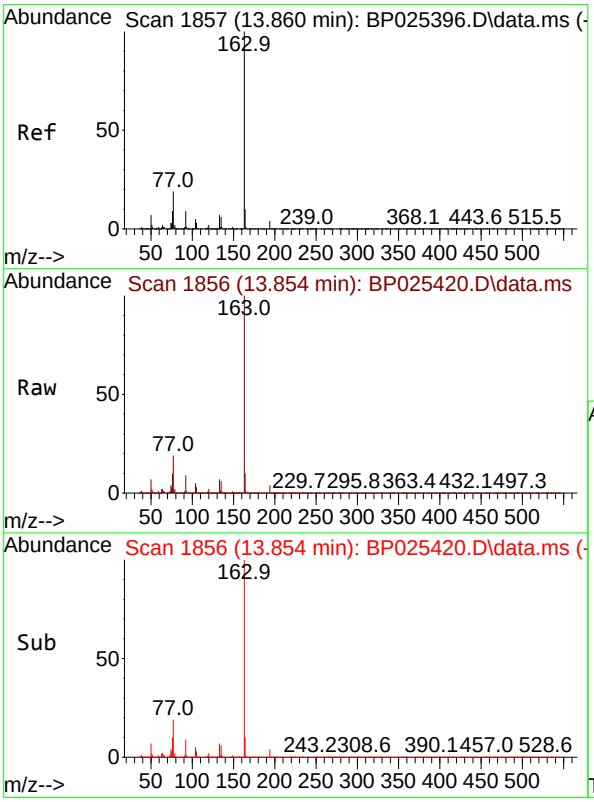
#49
Acenaphthylene
Concen: 38.223 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1767129

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.6	15.8

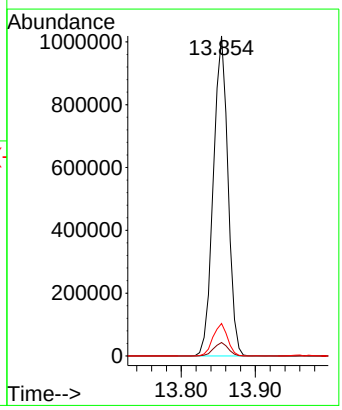


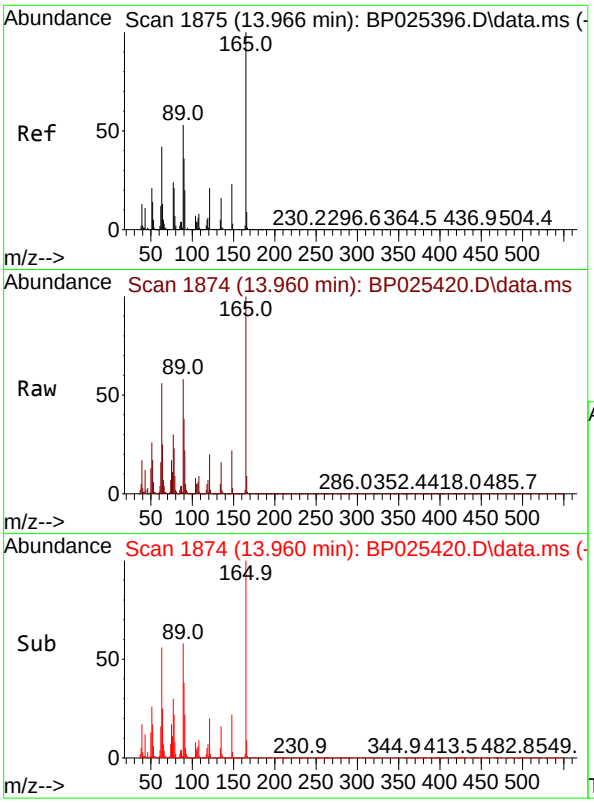


#50
Dimethylphthalate
Concen: 38.552 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:163 Resp: 1395088

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9



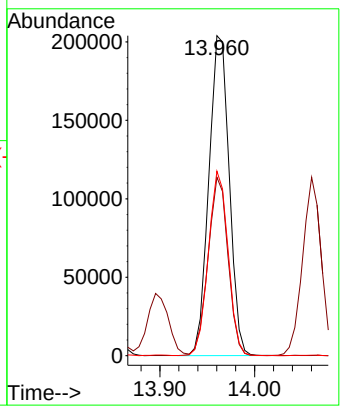


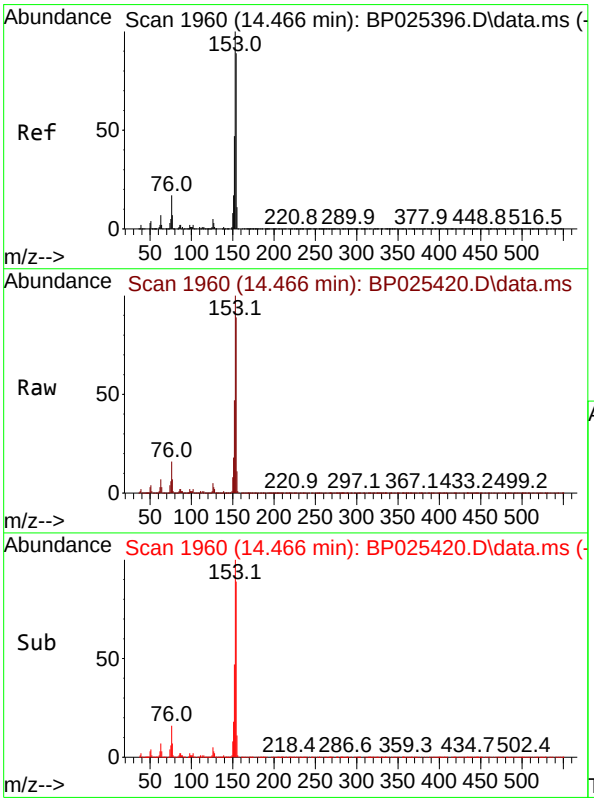
#51
2,6-Dinitrotoluene
Concen: 40.066 ng
RT: 13.960 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 305591

Ion	Ratio	Lower	Upper
165	100		
63	55.8	40.9	61.3
89	57.7	42.1	63.1

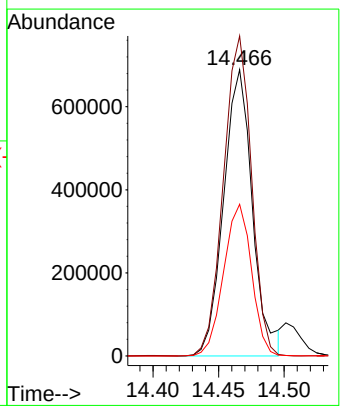


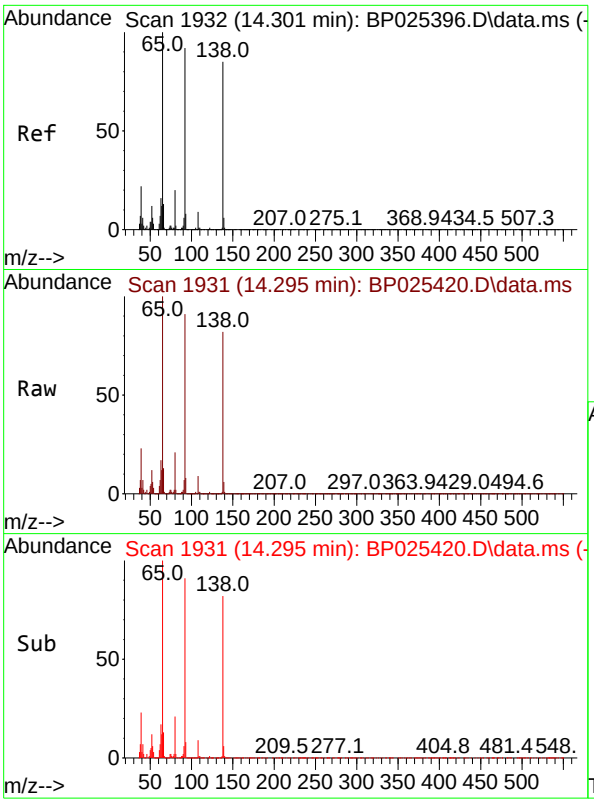


#52
Acenaphthene
Concen: 38.824 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:154 Resp: 1053557

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	53.0	42.1	63.1



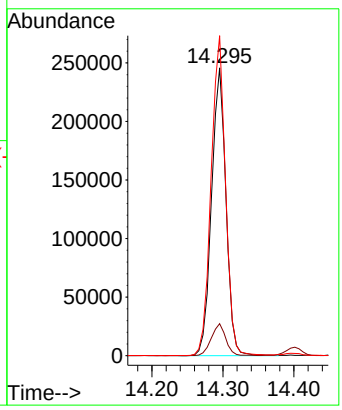


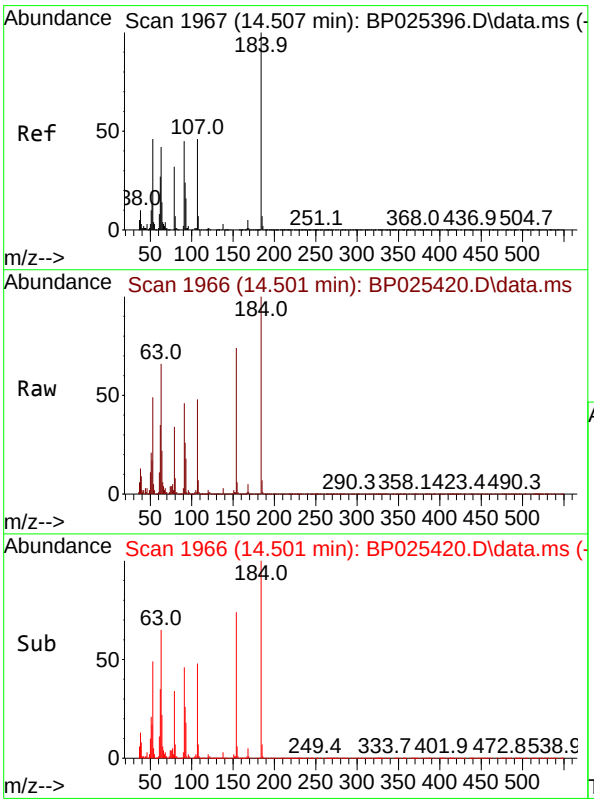
#53
3-Nitroaniline
Concen: 40.343 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 346194

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	111.2	86.2	129.2

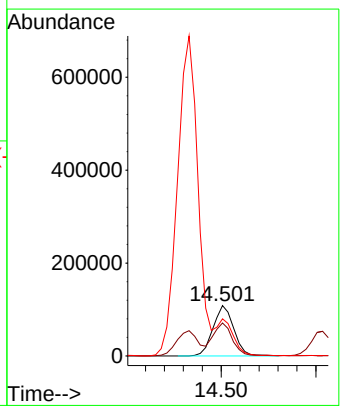


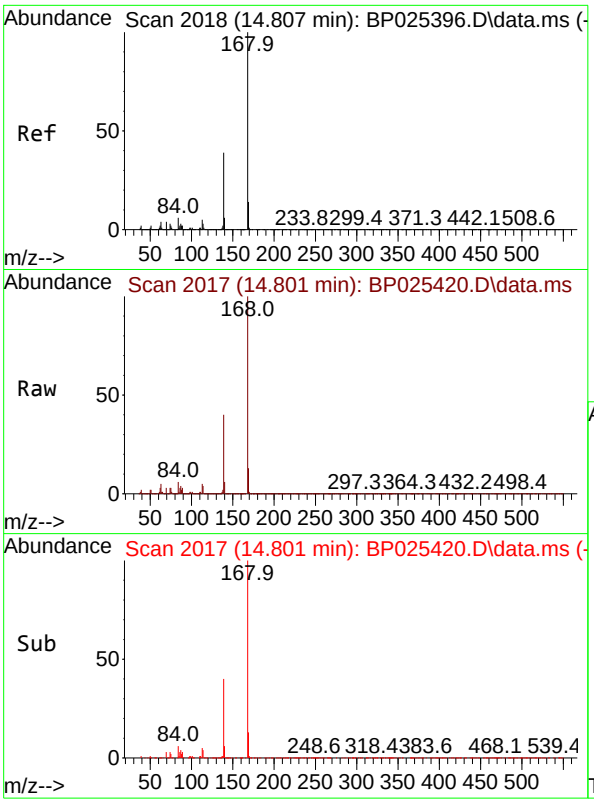


#54
2,4-Dinitrophenol
Concen: 40.617 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:184 Resp: 165440

Ion	Ratio	Lower	Upper
184	100		
63	65.6	49.4	74.2
154	73.7	54.6	82.0



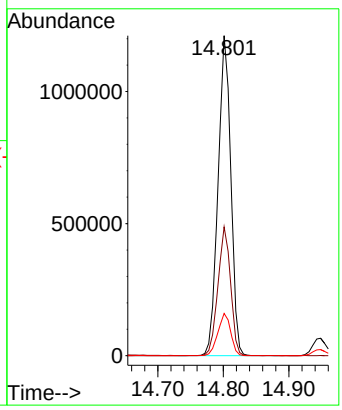


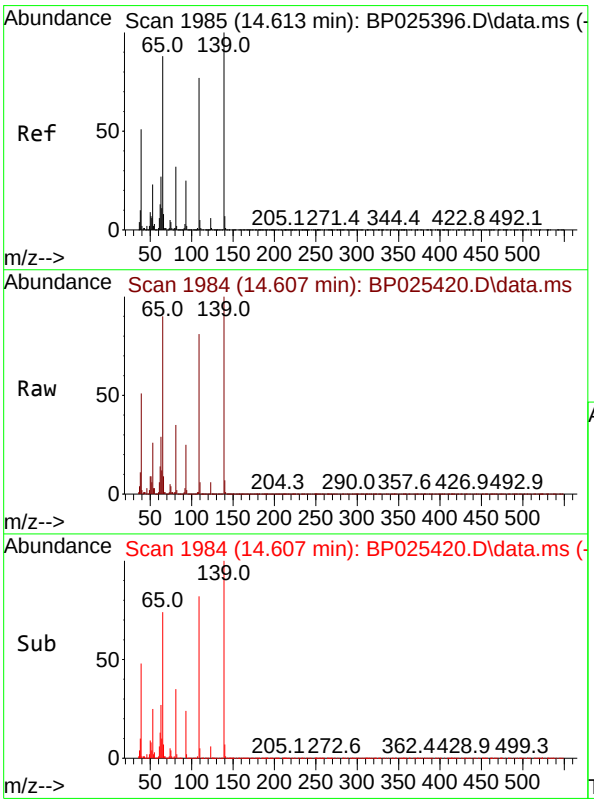
#55
Dibenzofuran
Concen: 37.952 ng
RT: 14.801 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1628276

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.5	47.3
169	13.2	10.9	16.3

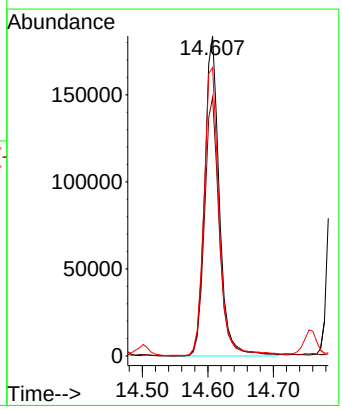


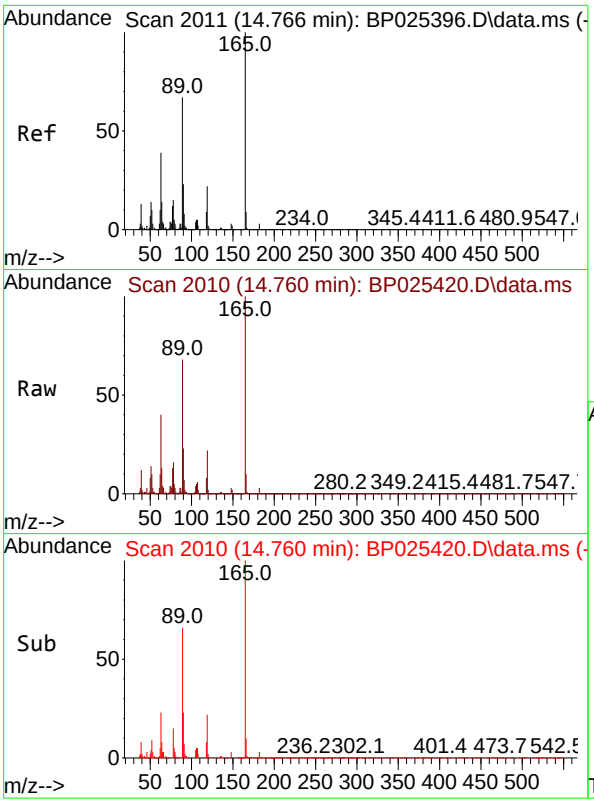


#56
4-Nitrophenol
Concen: 40.562 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:139 Resp: 286024

Ion	Ratio	Lower	Upper
139	100		
109	80.8	56.6	96.6
65	90.1	68.2	108.2



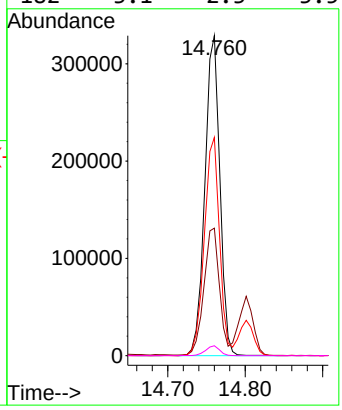


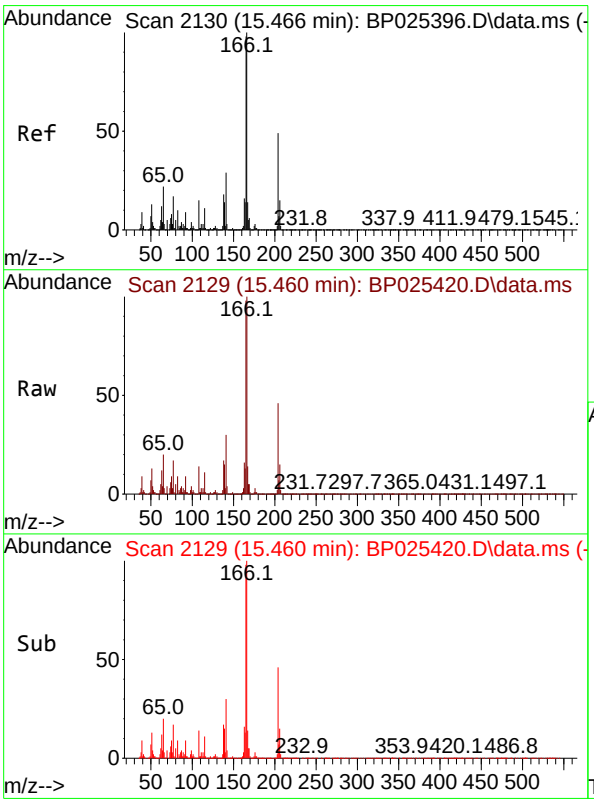
#57
2,4-Dinitrotoluene
Concen: 40.534 ng
RT: 14.760 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 441090

Ion	Ratio	Lower	Upper
165	100		
63	39.9	31.4	47.2
89	68.2	53.3	79.9
182	3.1	2.3	3.5

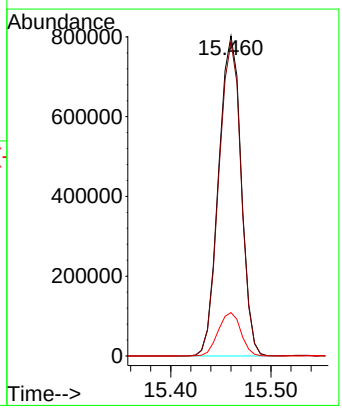


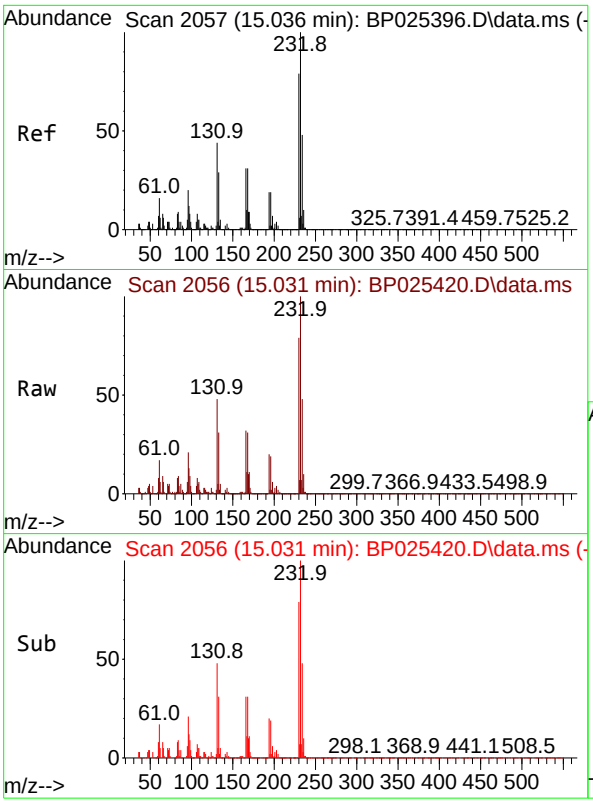


#58
Fluorene
Concen: 36.892 ng
RT: 15.460 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:166 Resp: 1248927

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4



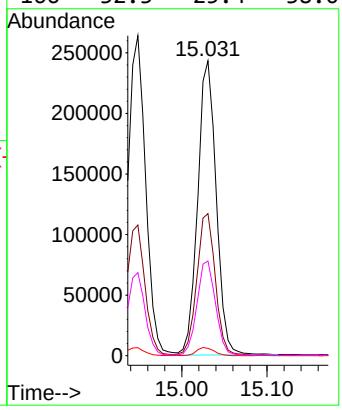


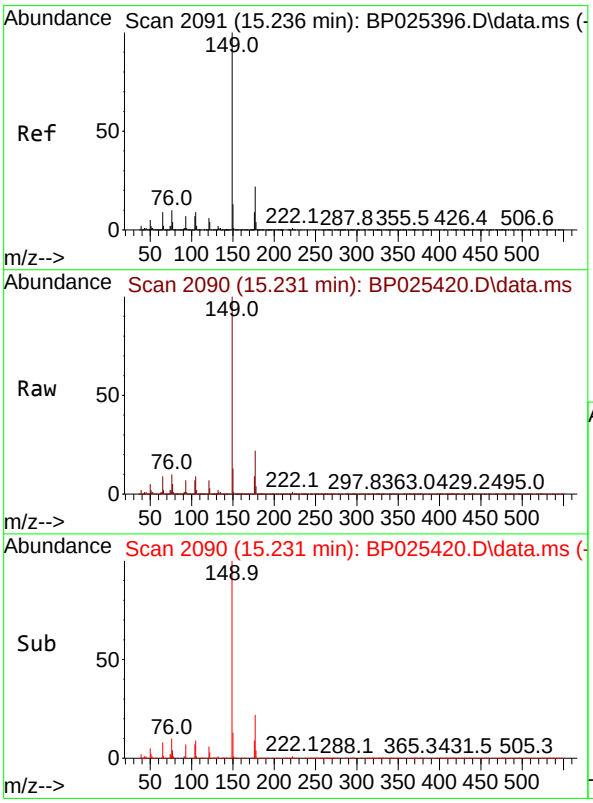
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.265 ng
RT: 15.031 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 366114

Ion	Ratio	Lower	Upper
232	100		
131	48.1	37.0	55.6
130	2.6	1.9	2.9
166	32.3	25.4	38.0

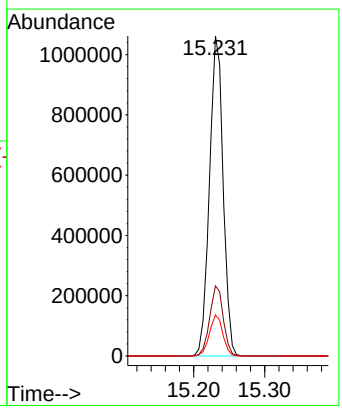


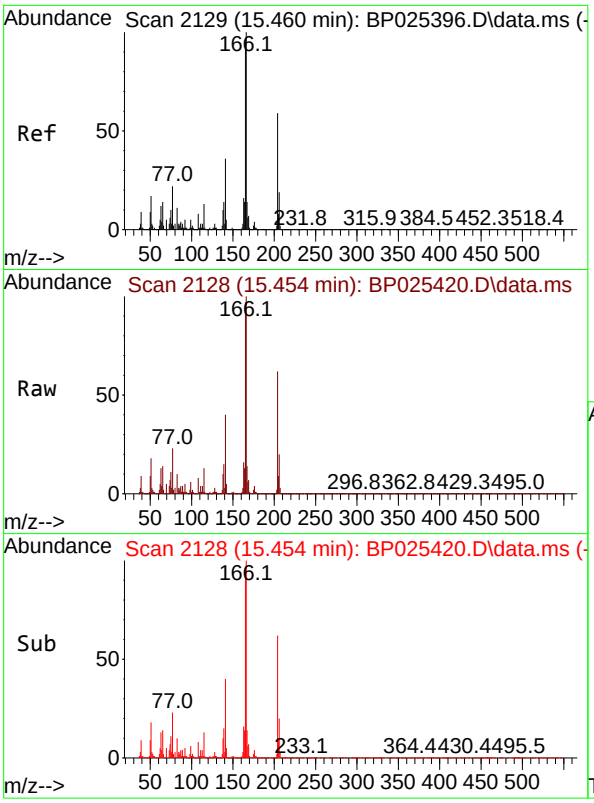


#60
Diethylphthalate
Concen: 38.557 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1417722

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.8	10.3	15.5



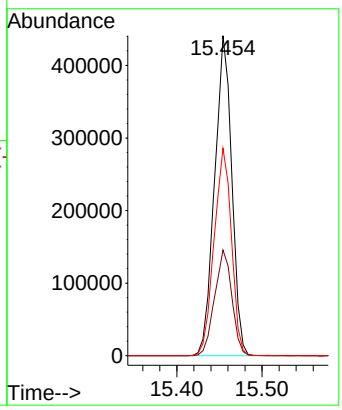


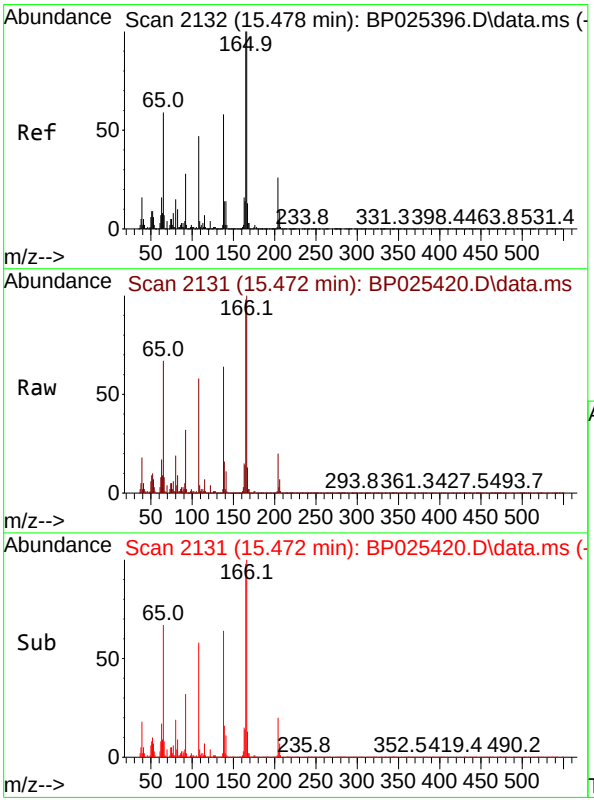
#61
4-Chlorophenyl-phenylether
Concen: 36.659 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 617227

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.8
141	64.8	49.4	74.2

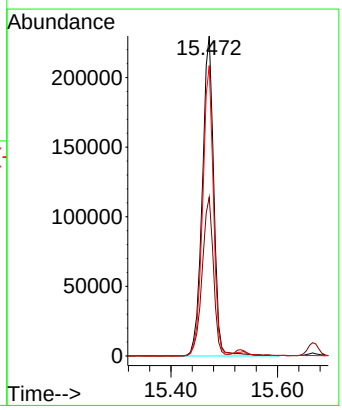


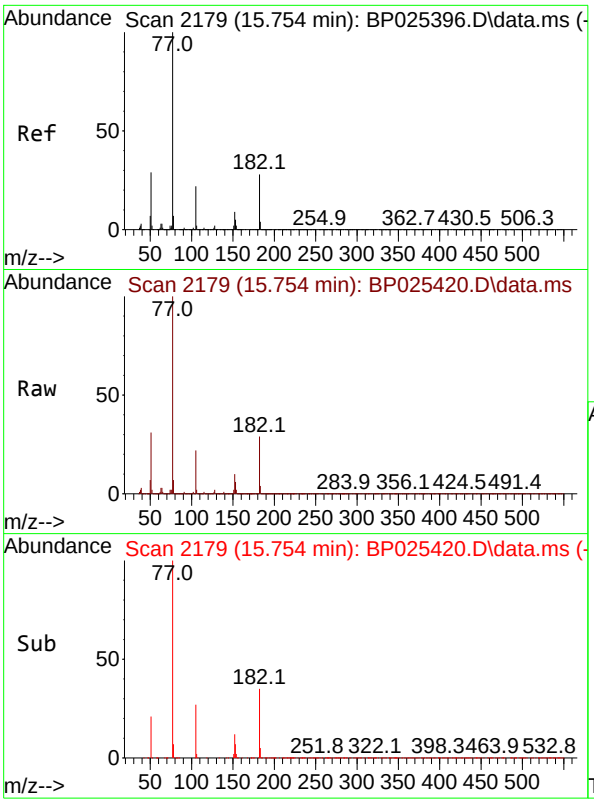


#62
4-Nitroaniline
Concen: 39.020 ng
RT: 15.472 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:138 Resp: 343275

Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.1	69.1
108	90.8	61.5	101.5



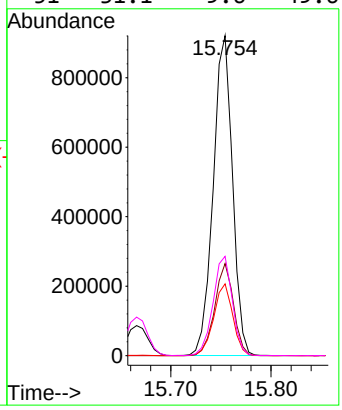


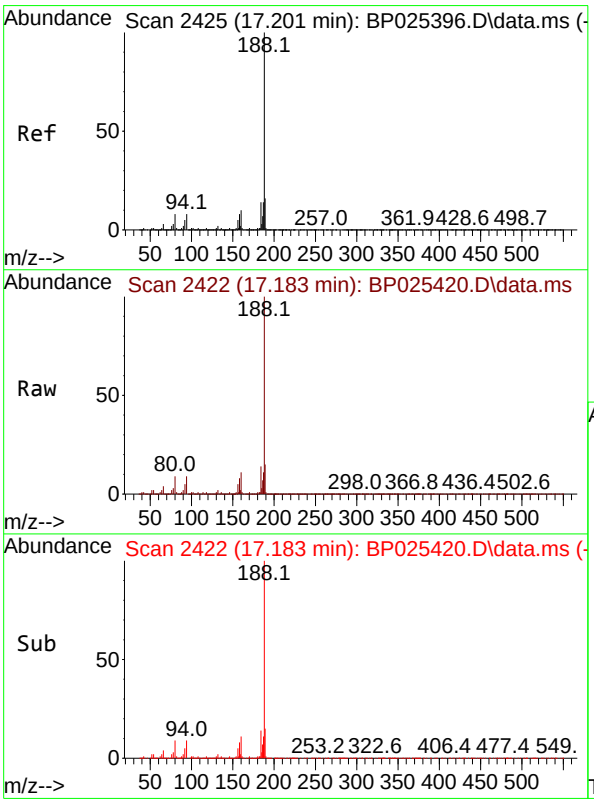
#63
Azobenzene
Concen: 38.996 ng
RT: 15.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1227772

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.5	47.5
105	22.4	2.1	42.1
51	31.1	9.6	49.6

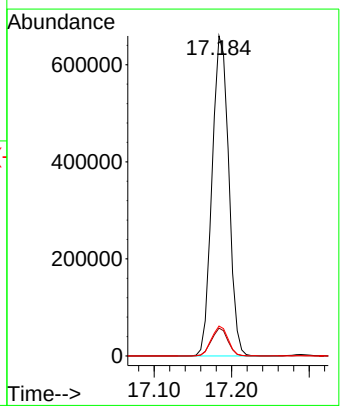


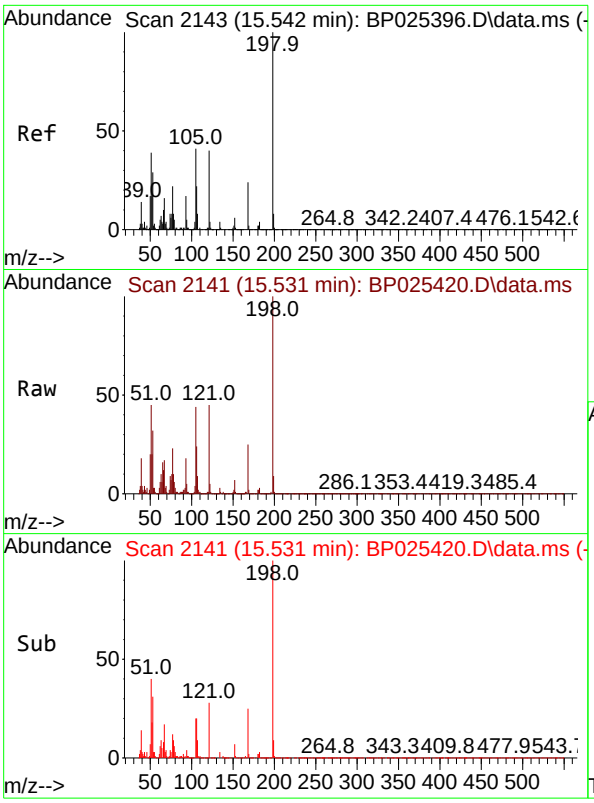


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:188 Resp: 985019

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	6.7	10.1



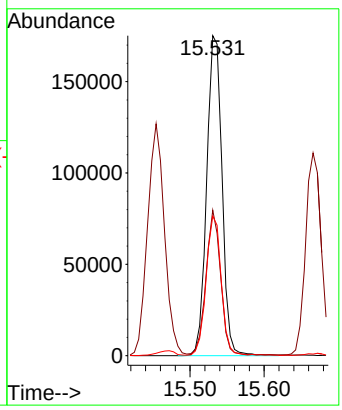


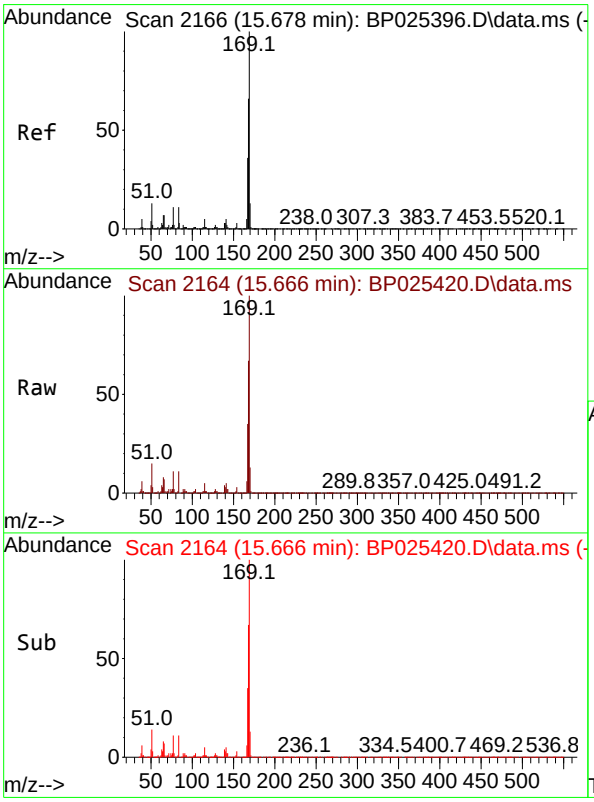
#65
4,6-Dinitro-2-methylphenol
Concen: 41.054 ng
RT: 15.531 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 252080

Ion	Ratio	Lower	Upper
198	100		
51	45.5	19.6	59.6
105	43.6	20.9	60.9

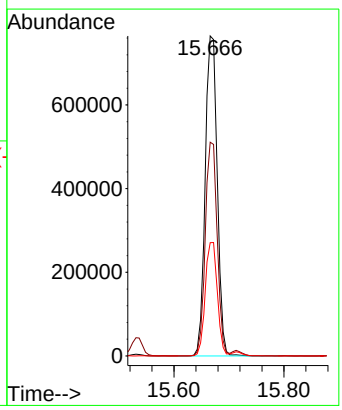


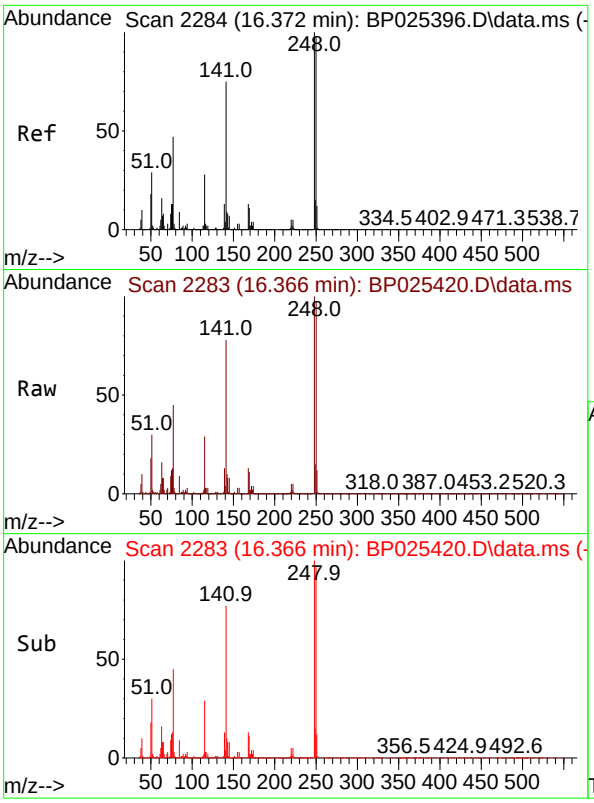


#66
n-Nitrosodiphenylamine
Concen: 38.590 ng
RT: 15.666 min Scan# 2164
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:169 Resp: 1159140

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.2	79.8
167	35.4	28.7	43.1



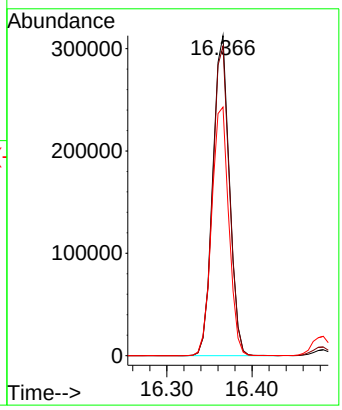


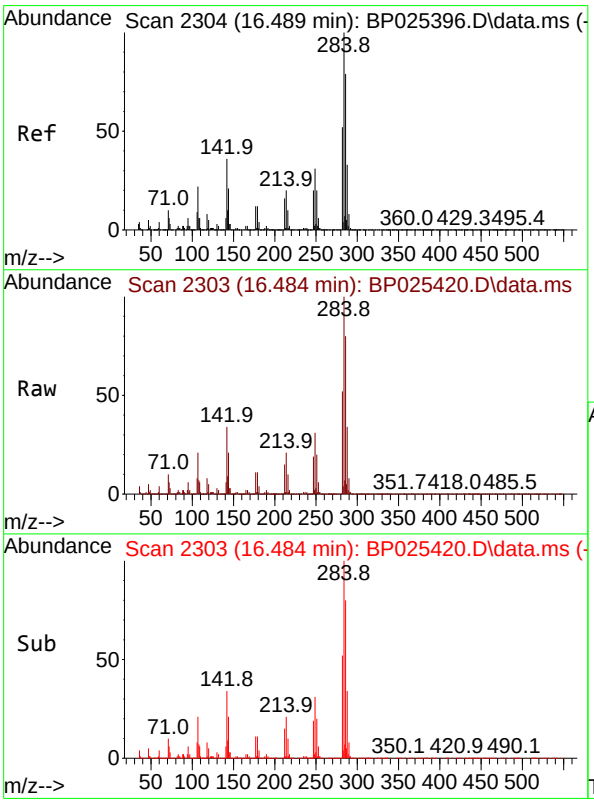
#67
4-Bromophenyl-phenylether
Concen: 39.149 ng
RT: 16.366 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 424114

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	77.7	59.6	89.4

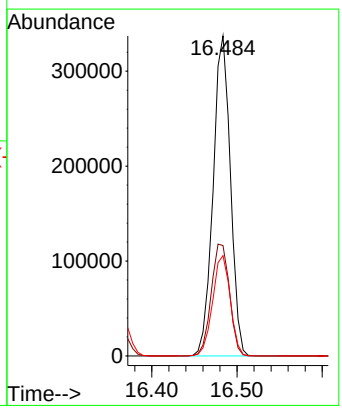


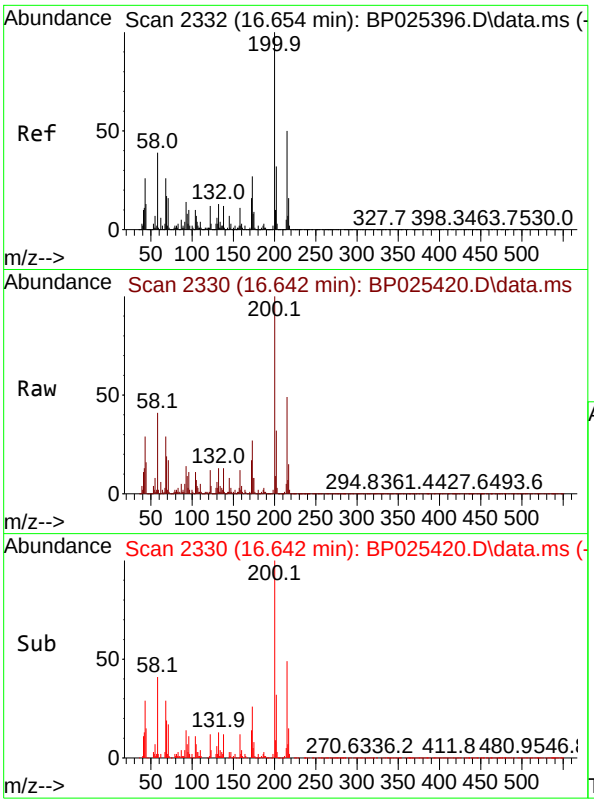


#68
Hexachlorobenzene
Concen: 37.871 ng
RT: 16.484 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:284 Resp: 475586

Ion	Ratio	Lower	Upper
284	100		
142	34.5	29.1	43.7
249	31.4	25.0	37.4



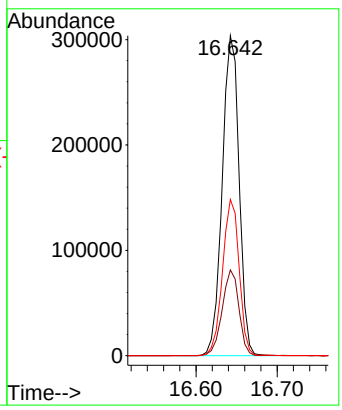


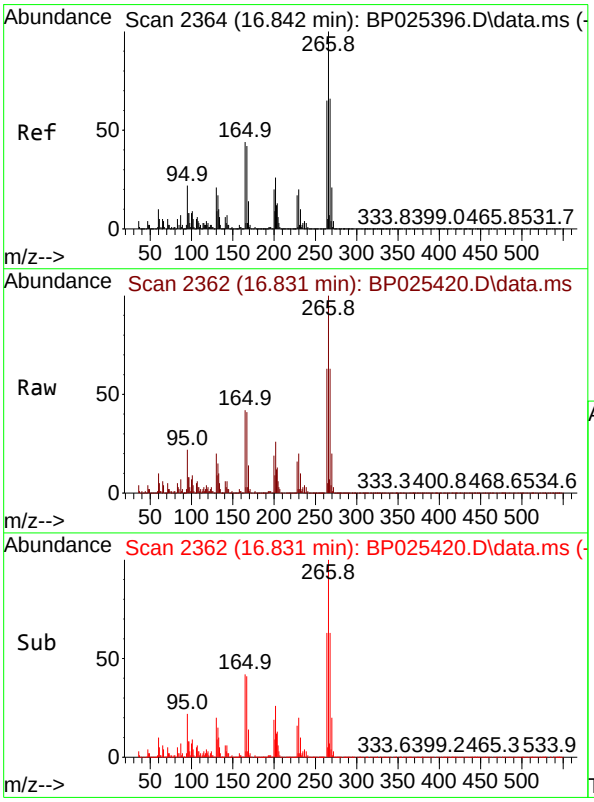
#69
Atrazine
Concen: 39.100 ng
RT: 16.642 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 439834

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.7	46.7
215	48.8	29.7	69.7

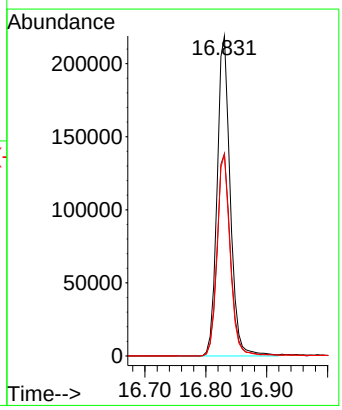


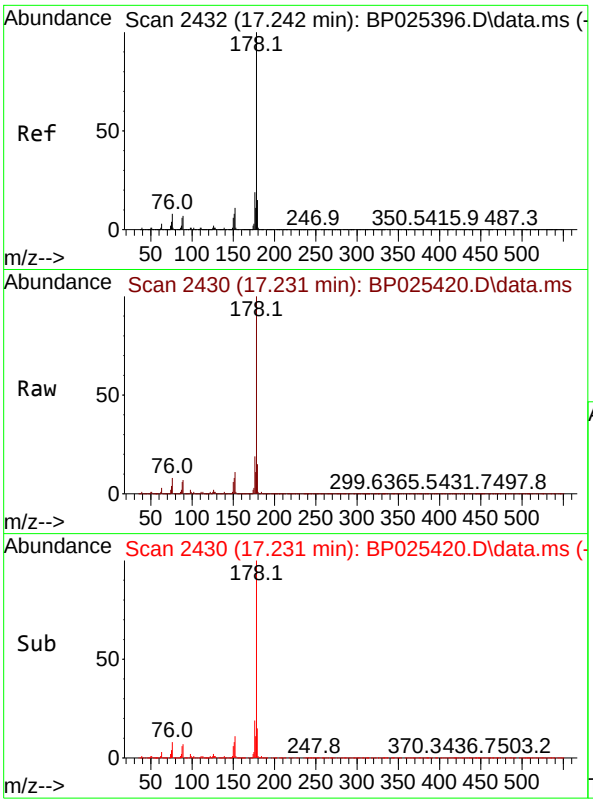


#70
Pentachlorophenol
Concen: 41.143 ng
RT: 16.831 min Scan# 2362
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:266 Resp: 326152

Ion	Ratio	Lower	Upper
266	100		
268	63.2	52.6	79.0
264	63.0	52.0	78.0



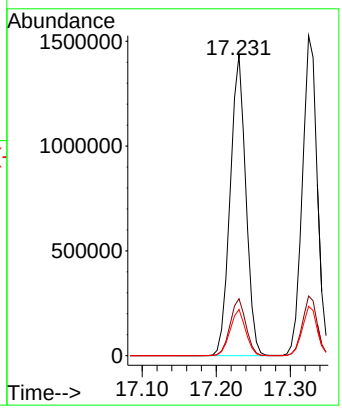


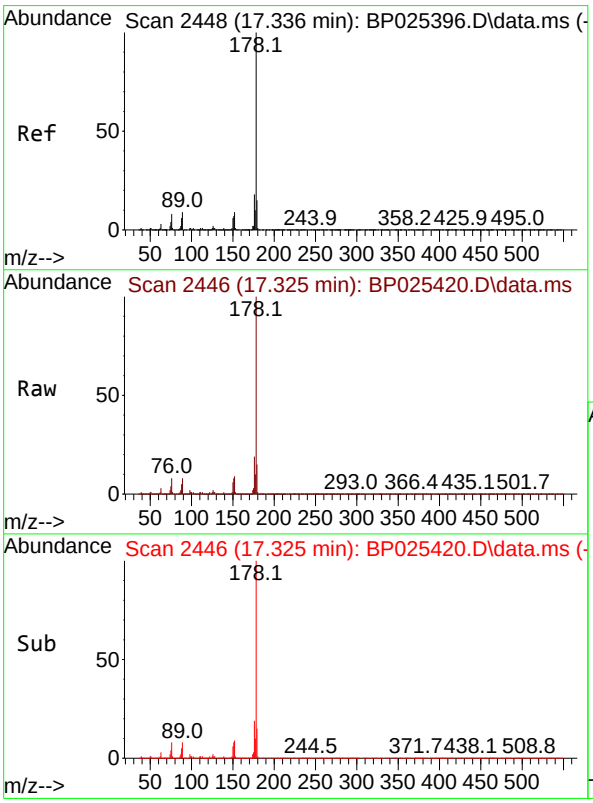
#71
Phenanthrene
Concen: 38.868 ng
RT: 17.231 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2103134

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.4	12.2	18.4

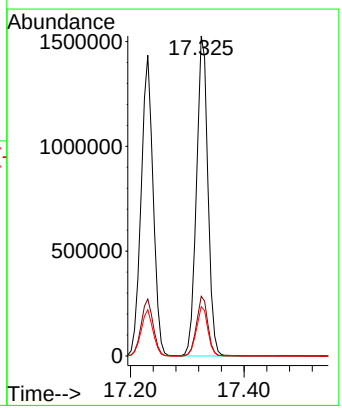


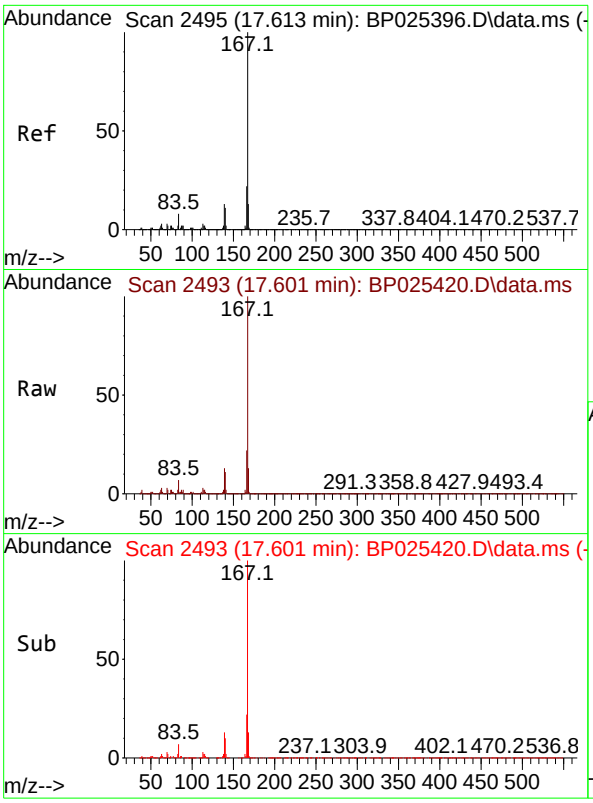


#72
Anthracene
Concen: 38.636 ng
RT: 17.325 min Scan# 2446
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:178 Resp: 2134931

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.2	18.2



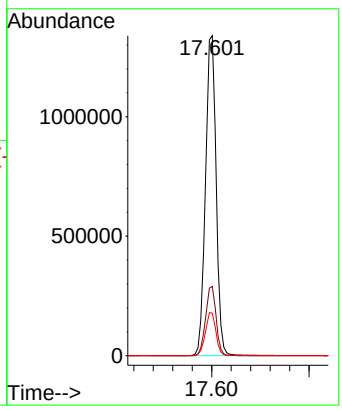


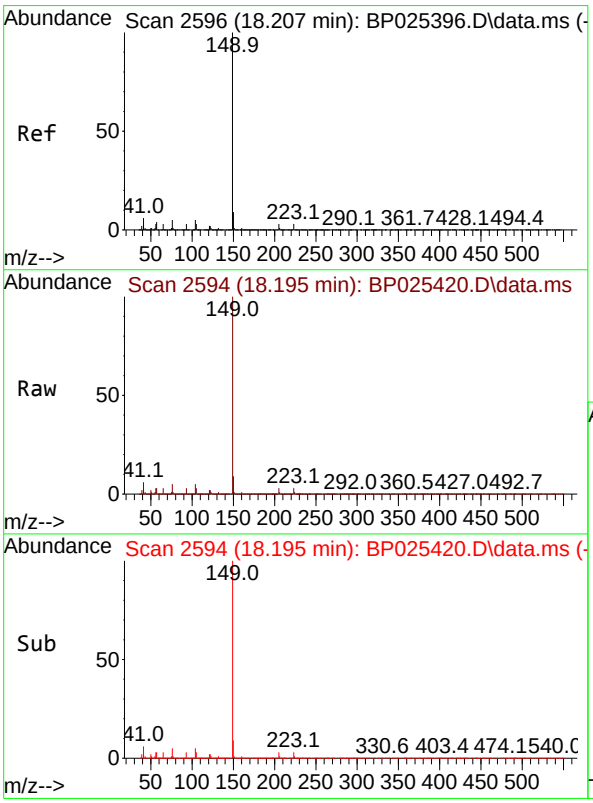
#73
Carbazole
Concen: 38.846 ng
RT: 17.601 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 2021861

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.3	10.6	16.0

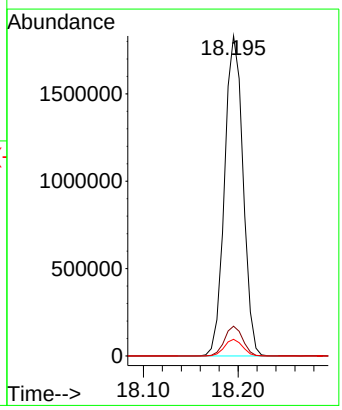


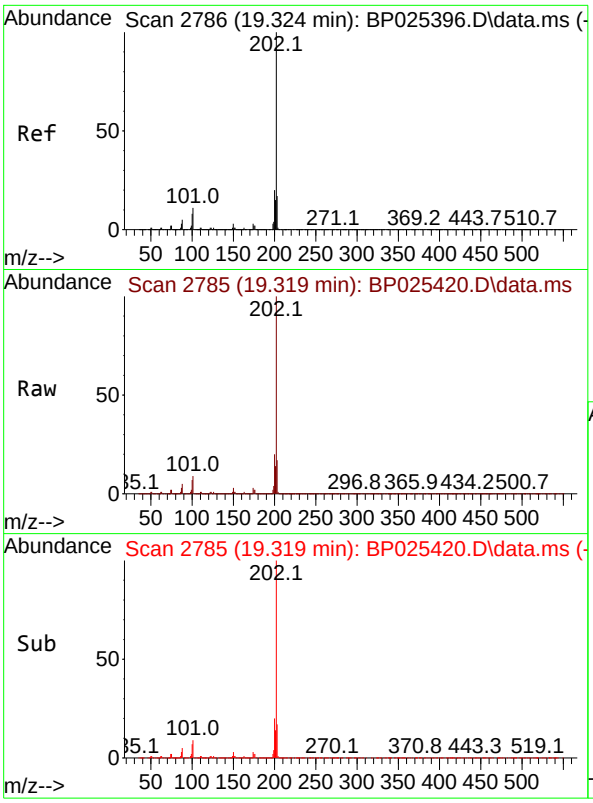


#74
Di-n-butylphthalate
Concen: 38.758 ng
RT: 18.195 min Scan# 2594
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 2481898

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2



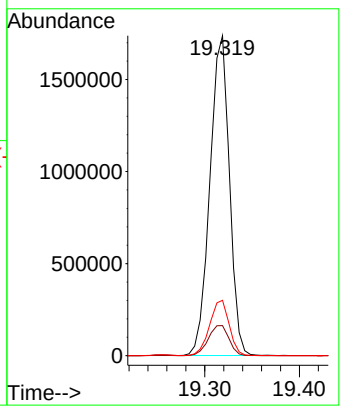


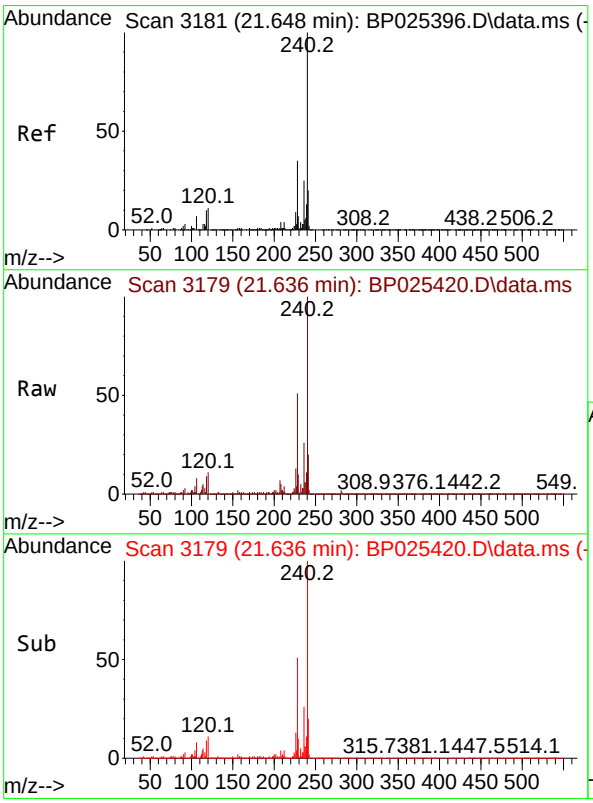
#75
Fluoranthene
Concen: 38.414 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2479400

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.1
203	17.3	0.0	37.3

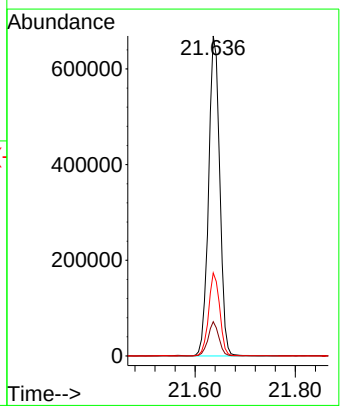


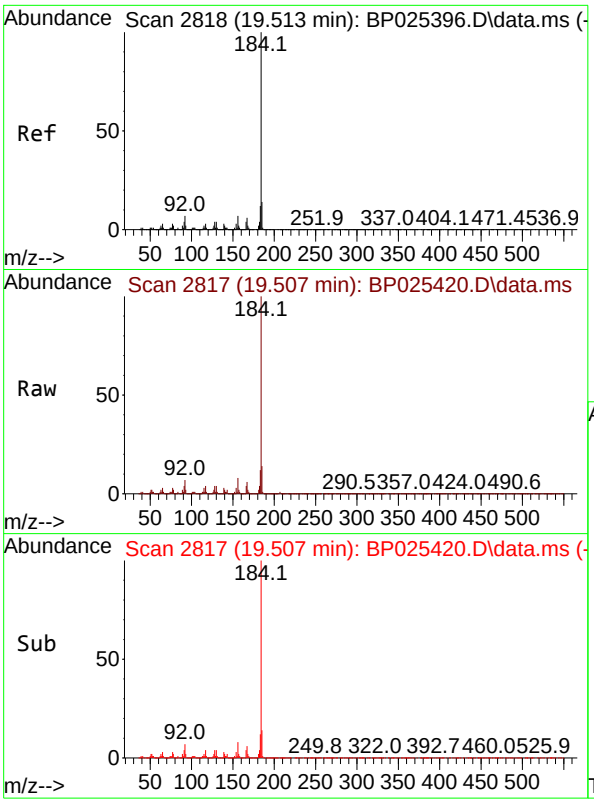


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:240 Resp: 1034992

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.9	19.8	29.8



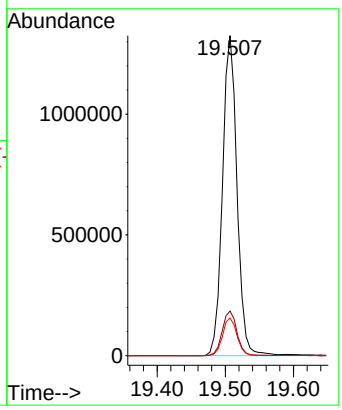


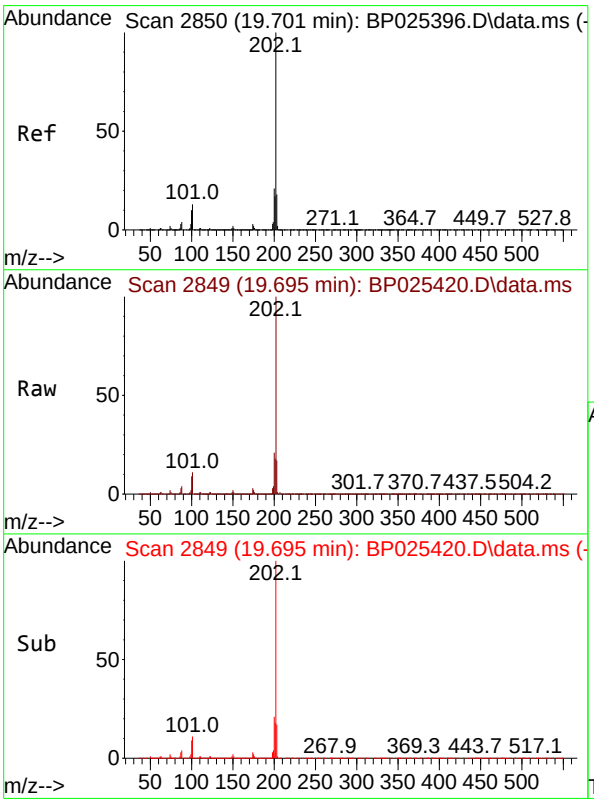
#77
Benzidine
Concen: 55.442 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1958317

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.7	9.4	14.2

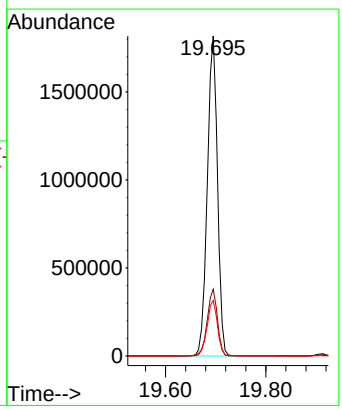


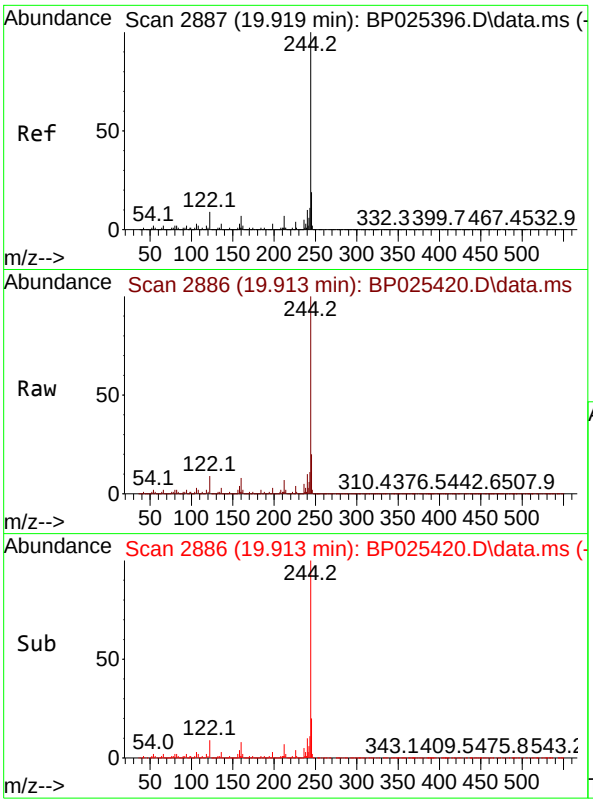


#78
Pyrene
Concen: 38.003 ng
RT: 19.695 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:202 Resp: 2556537

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.3	14.2	21.2



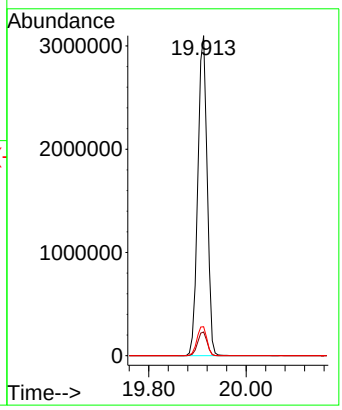


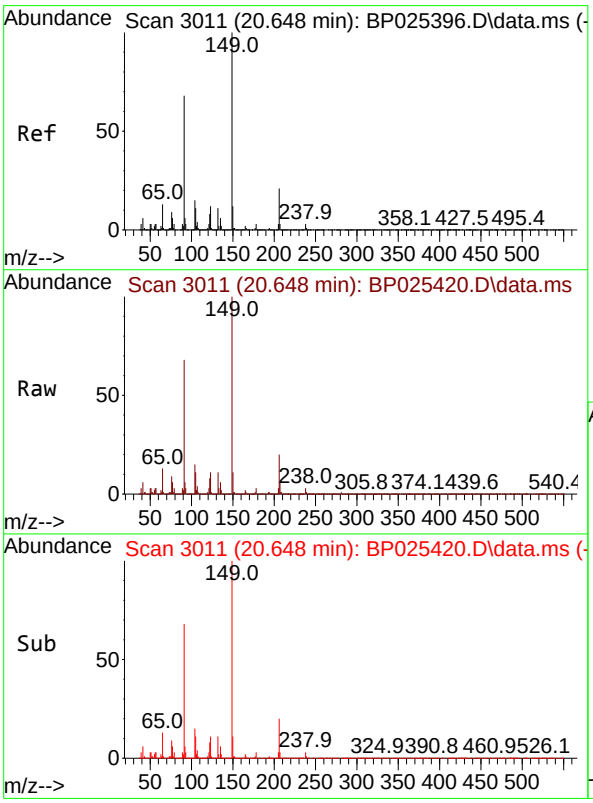
#79
Terphenyl-d14
Concen: 73.302 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 4146697

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.1	7.4	11.2

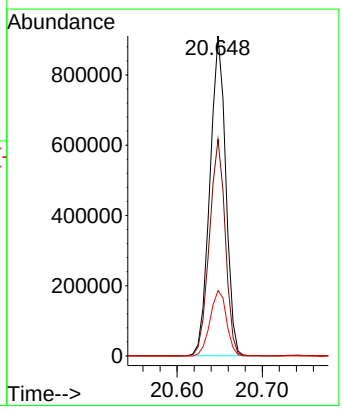


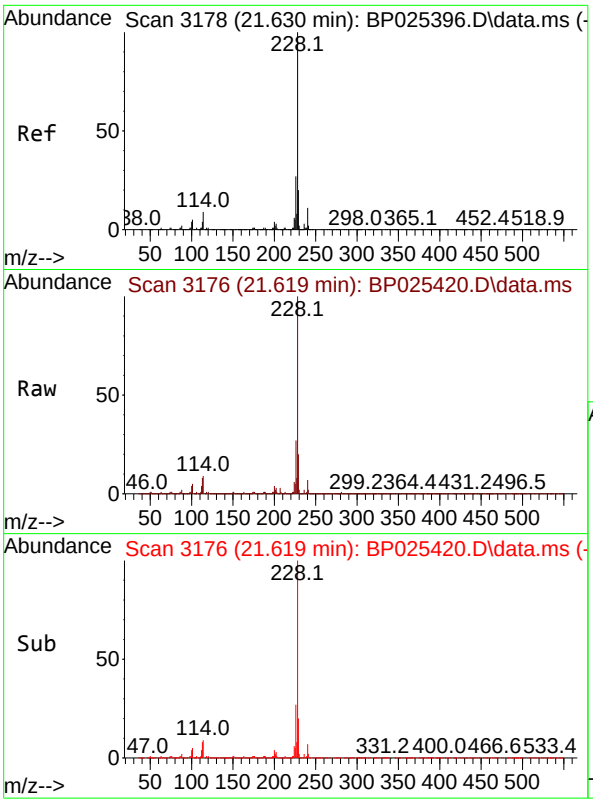


#80
Butylbenzylphthalate
Concen: 38.710 ng
RT: 20.648 min Scan# 3011
Delta R.T. 0.000 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1180201

Ion	Ratio	Lower	Upper
149	100		
91	67.7	54.2	81.2
206	20.4	16.6	24.8



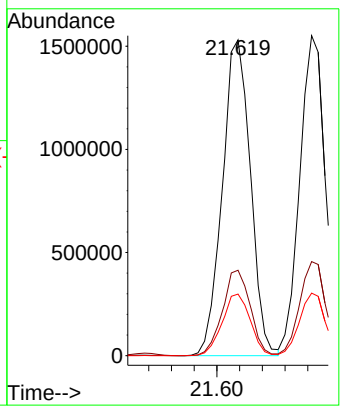


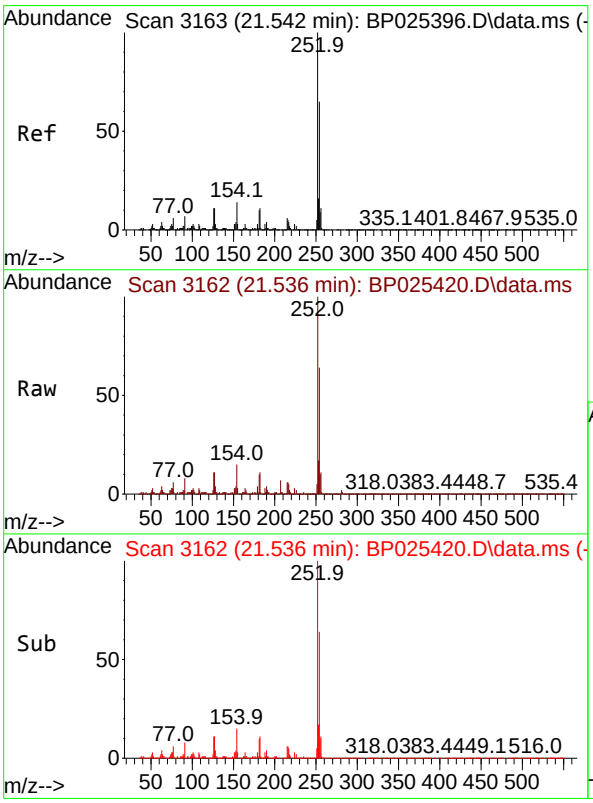
#81
Benzo(a)anthracene
Concen: 38.534 ng
RT: 21.619 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2630271

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.6	23.4

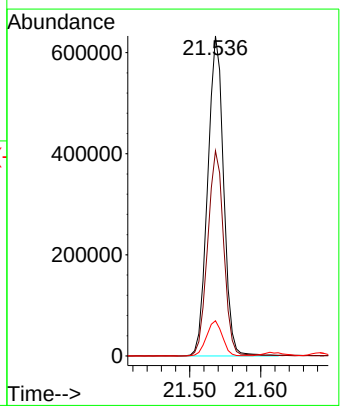


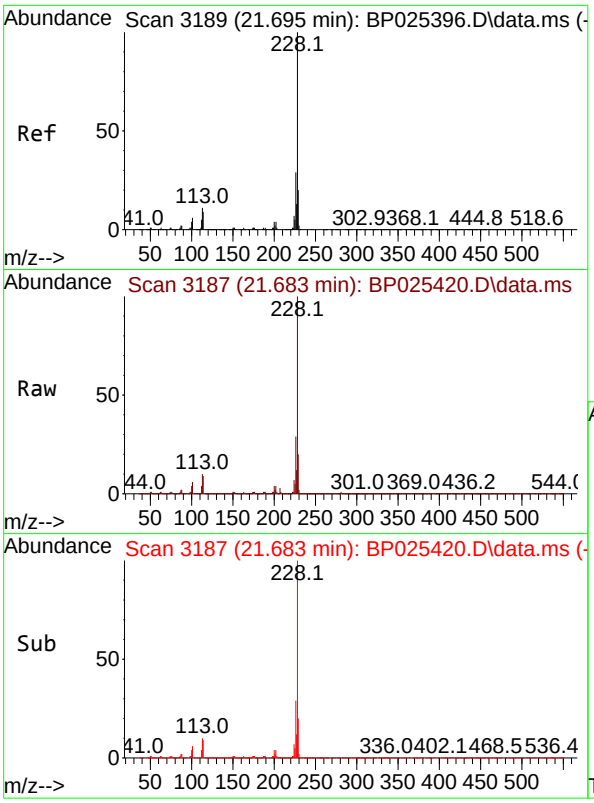


#82
3,3'-Dichlorobenzidine
Concen: 38.329 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 986136

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	11.0	9.1	13.7



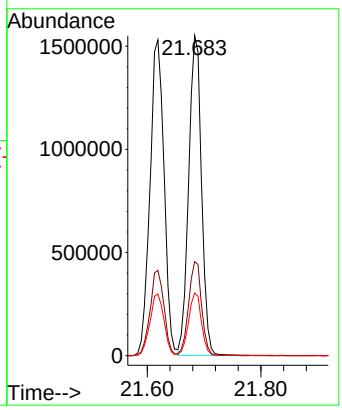


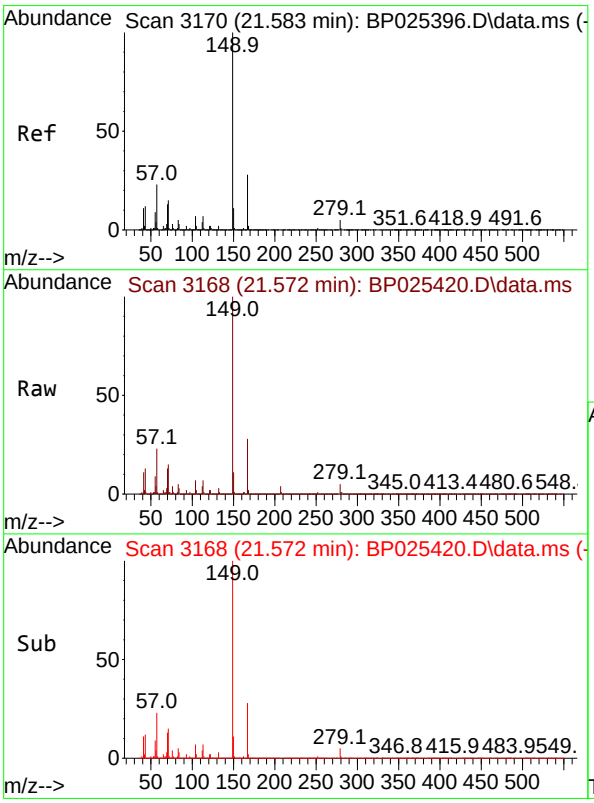
#83
Chrysene
Concen: 38.093 ng
RT: 21.683 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2435067

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.5	15.6	23.4

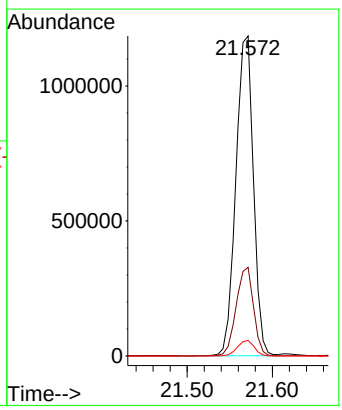


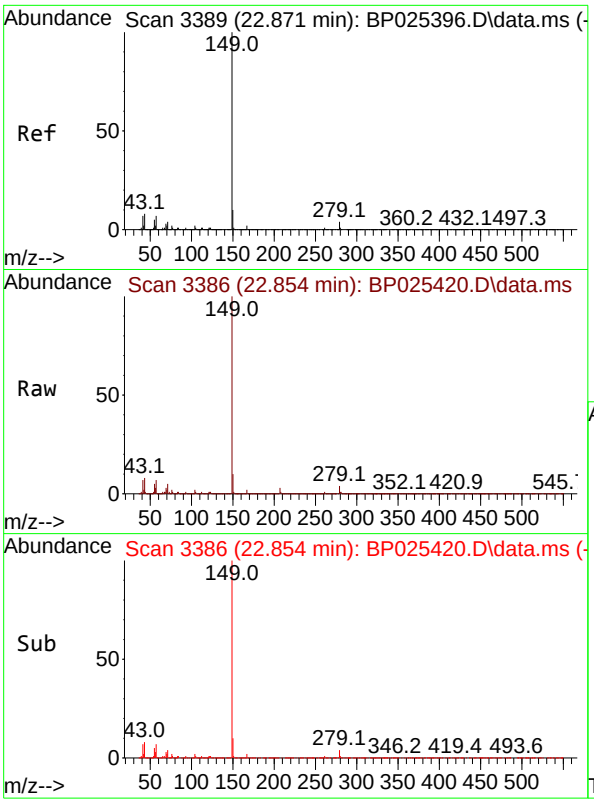


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.783 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:149 Resp: 1695699

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.9	3.8	5.6



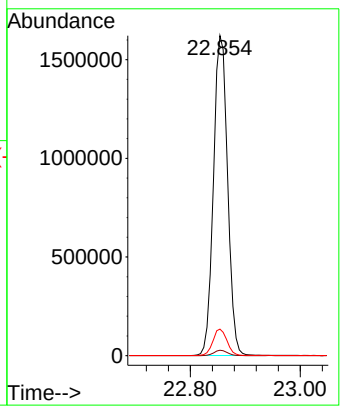


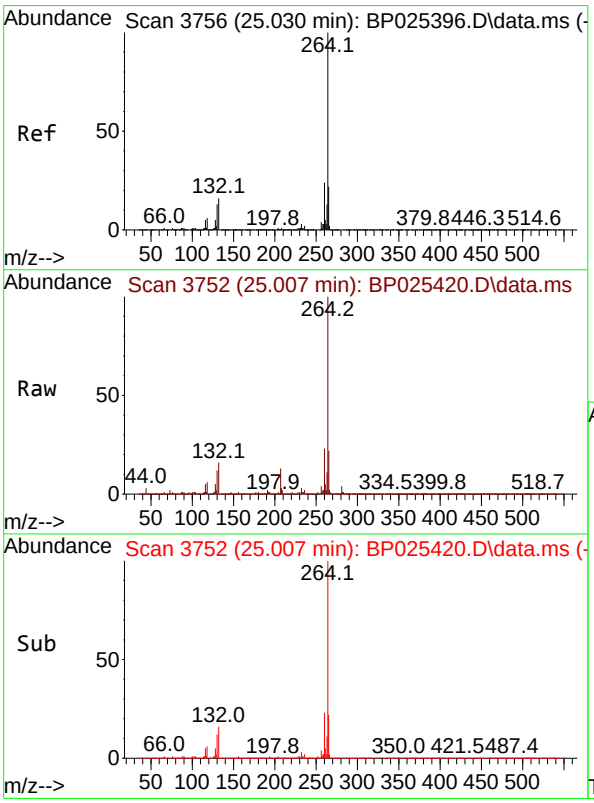
#85
Di-n-octyl phthalate
Concen: 37.514 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2895926

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.3	9.5

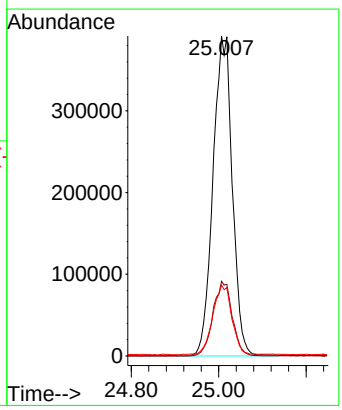


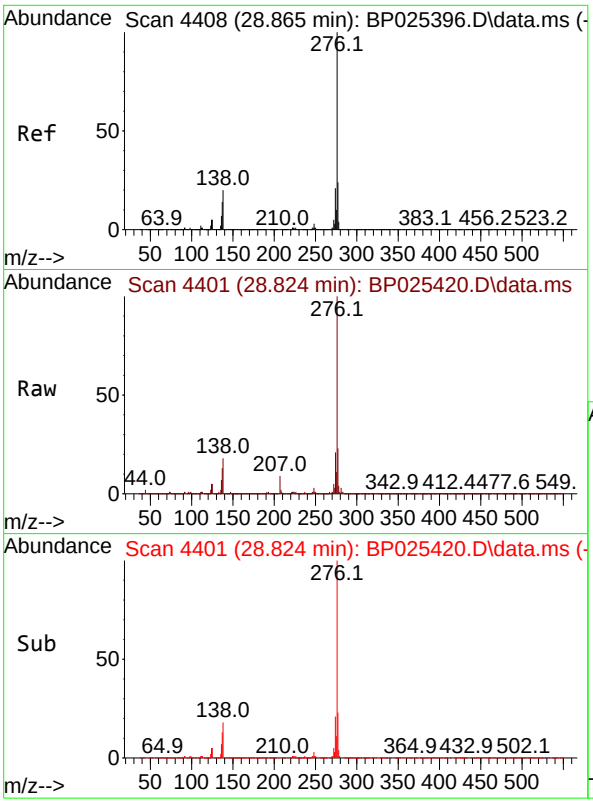


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.023 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:264 Resp: 1196337

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.1	17.4	26.0



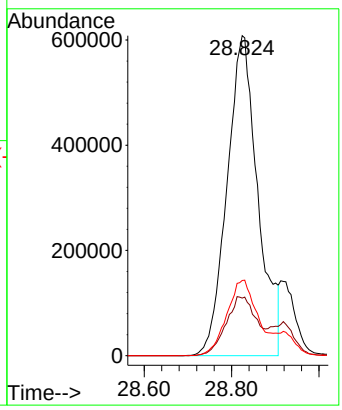


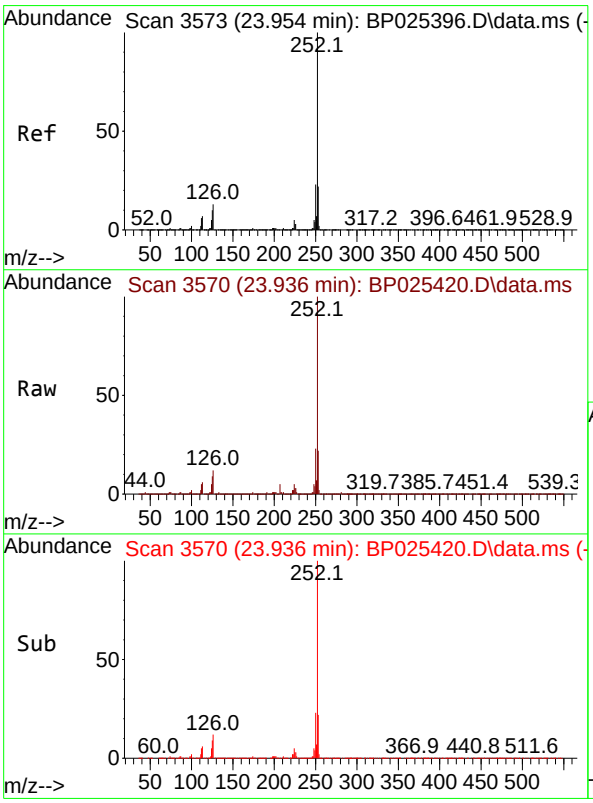
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.923 ng
RT: 28.824 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2976256

Ion	Ratio	Lower	Upper
276	100		
138	18.3	12.9	19.3
277	24.7	17.0	25.6

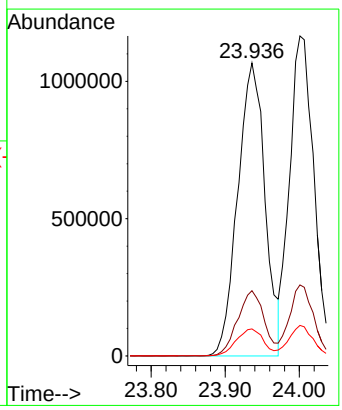


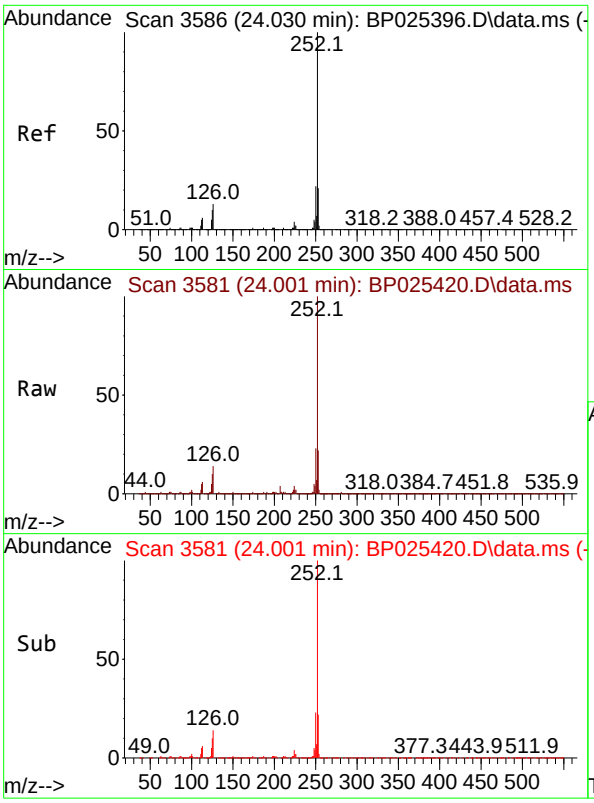


#88
Benzo(b)fluoranthene
Concen: 38.679 ng
RT: 23.936 min Scan# 3570
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 2728574

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.2	7.9	11.9



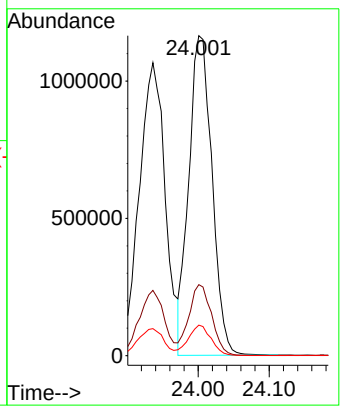


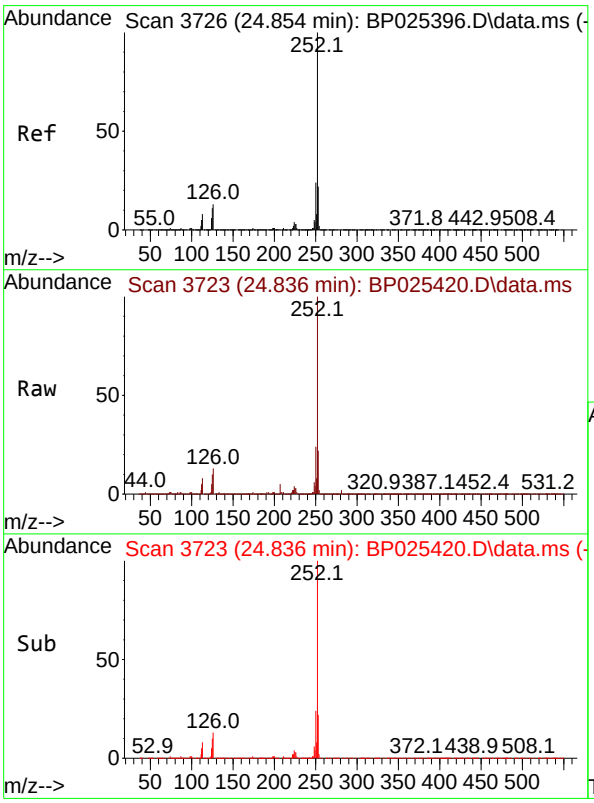
#89
Benzo(k)fluoranthene
Concen: 37.417 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2641382

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.5	7.8	11.6

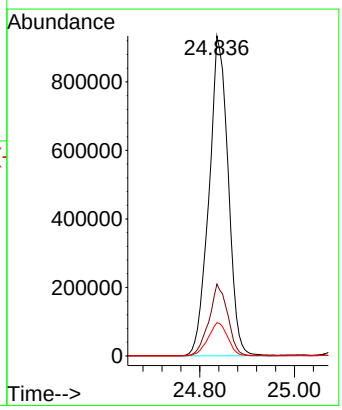


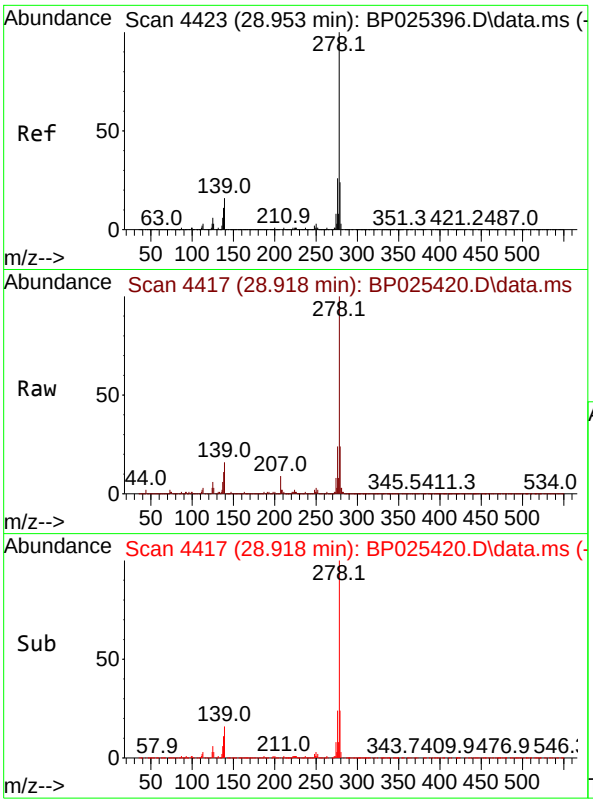


#90
Benzo(a)pyrene
Concen: 38.228 ng
RT: 24.836 min Scan# 3723
Delta R.T. -0.018 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:252 Resp: 2625113

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.4	8.7	13.1



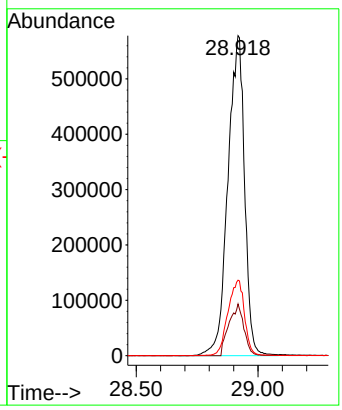


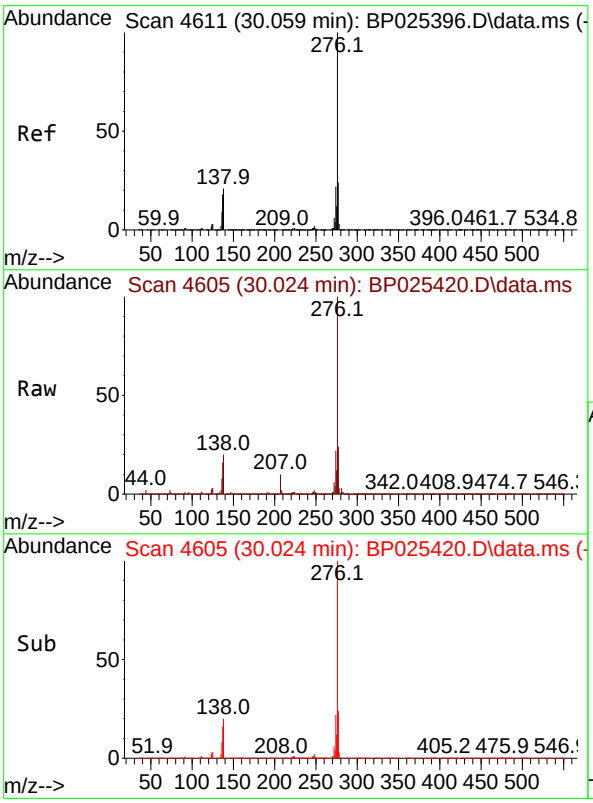
#91
Dibenzo(a,h)anthracene
Concen: 38.272 ng
RT: 28.918 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2743970

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	23.6	19.4	29.2

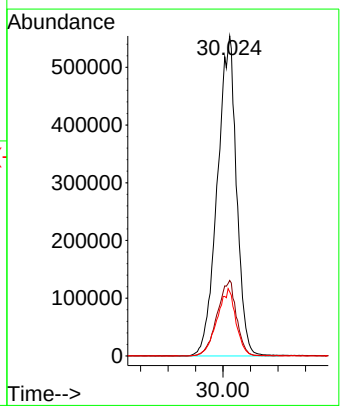




#92
Benzo(g,h,i)perylene
Concen: 38.098 ng
RT: 30.024 min Scan# 4605
Delta R.T. -0.035 min
Lab File: BP025420.D
Acq: 15 Aug 2025 09:13

Tgt Ion:276 Resp: 2685032

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	20.1	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	163210	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	699113	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	458301	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	913689	20.000	ng	0.00
76) Chrysene-d12	21.648	240	958309	20.000	ng	0.00
86) Perylene-d12	25.012	264	1096861	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	763443	77.682	ng	0.00
7) Phenol-d6	6.966	99	991544	78.694	ng	0.00
23) Nitrobenzene-d5	8.931	82	1096890	79.367	ng	0.00
42) 2,4,6-Tribromophenol	15.913	330	483517	78.381	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	2530106	75.449	ng	0.00
79) Terphenyl-d14	19.918	244	3932091	75.070	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	143562	37.293	ng	98
3) Pyridine	3.725	79	405696	38.504	ng	96
4) n-Nitrosodimethylamine	3.637	42	179582	41.341	ng	98
6) Aniline	7.119	93	677656	39.917	ng	100
8) 2-Chlorophenol	7.360	128	438538	39.543	ng	98
9) Benzaldehyde	6.937	77	464483	52.616	ng	98
10) Phenol	6.990	94	518982	39.253	ng	97
11) bis(2-Chloroethyl)ether	7.213	93	406260	39.423	ng	98
12) 1,3-Dichlorobenzene	7.678	146	482648	39.468	ng	98
13) 1,4-Dichlorobenzene	7.819	146	483294	38.666	ng	98
14) 1,2-Dichlorobenzene	8.137	146	469905	38.837	ng	97
15) Benzyl Alcohol	8.019	79	402455	40.199	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.307	45	556083	40.282	ng	99
17) 2-Methylphenol	8.219	107	365027	39.752	ng	98
18) Hexachloroethane	8.860	117	181724	39.542	ng	96
19) n-Nitroso-di-n-propyla...	8.584	70	328037	39.304	ng	98
20) 3+4-Methylphenols	8.543	107	503552	39.561	ng	97
22) Acetophenone	8.595	105	680116	38.792	ng	98
24) Nitrobenzene	8.966	77	491654	39.805	ng	99
25) Isophorone	9.495	82	938896	38.387	ng	99
26) 2-Nitrophenol	9.672	139	250121	39.458	ng	98
27) 2,4-Dimethylphenol	9.737	122	425335	39.018	ng	98
28) bis(2-Chloroethoxy)met...	9.960	93	565633	38.258	ng	98
29) 2,4-Dichlorophenol	10.207	162	419343	38.724	ng	100
30) 1,2,4-Trichlorobenzene	10.419	180	450156	37.921	ng	98
31) Naphthalene	10.607	128	1392577	38.324	ng	100
32) Benzoic acid	9.872	122	303683	37.734	ng	94
33) 4-Chloroaniline	10.707	127	628608	39.164	ng	100
34) Hexachlorobutadiene	10.895	225	285751	38.652	ng	97
35) Caprolactam	11.489	113	150695	37.951	ng	96
36) 4-Chloro-3-methylphenol	11.825	107	482622	38.840	ng	98
37) 2-Methylnaphthalene	12.213	142	903084	38.190	ng	98
38) 1-Methylnaphthalene	12.431	142	941493	37.439	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	512464	38.717	ng	100
41) Hexachlorocyclopentadiene	12.566	237	322360	40.319	ng	98
43) 2,4,6-Trichlorophenol	12.819	196	351101	39.291	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

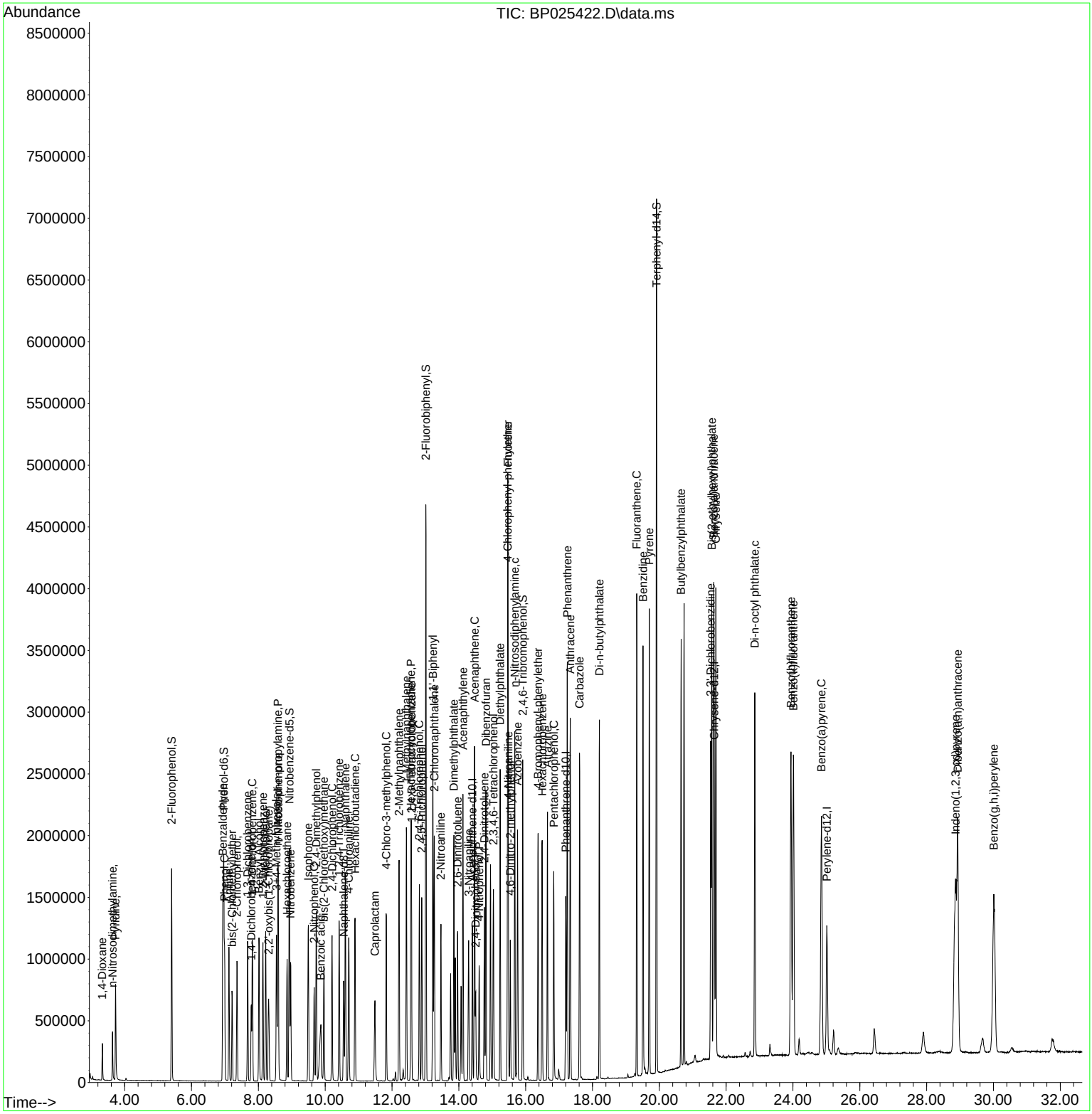
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.889	196	388369	39.656	ng	99
46) 1,1'-Biphenyl	13.225	154	1287182	38.672	ng	99
47) 2-Chloronaphthalene	13.266	162	1004850	38.780	ng	100
48) 2-Nitroaniline	13.466	65	308875	40.910	ng	98
49) Acenaphthylene	14.125	152	1648885	38.457	ng	100
50) Dimethylphthalate	13.854	163	1276659	38.040	ng	99
51) 2,6-Dinitrotoluene	13.966	165	287385	40.628	ng	98
52) Acenaphthene	14.472	154	1033308	41.057	ng	99
53) 3-Nitroaniline	14.295	138	318681	40.043	ng	95
54) 2,4-Dinitrophenol	14.507	184	150322	39.794	ng	96
55) Dibenzofuran	14.813	168	1491927	37.495	ng	100
56) 4-Nitrophenol	14.607	139	260098	39.771	ng	93
57) 2,4-Dinitrotoluene	14.766	165	408919	40.518	ng	95
58) Fluorene	15.472	166	1165482	37.121	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.036	232	345273	39.927	ng	99
60) Diethylphthalate	15.236	149	1297841	38.058	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	575339	36.845	ng	95
62) 4-Nitroaniline	15.483	138	321438	39.397	ng	96
63) Azobenzene	15.760	77	1147009	39.282	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	223566	39.253	ng	96
66) n-Nitrosodiphenylamine	15.672	169	1073233	38.519	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	383814	38.195	ng	97
68) Hexachlorobenzene	16.495	284	442250	37.966	ng	98
69) Atrazine	16.654	200	395168	37.872	ng	98
70) Pentachlorophenol	16.842	266	299142	40.681	ng	96
71) Phenanthrene	17.248	178	1900372	37.862	ng	100
72) Anthracene	17.336	178	1953735	38.117	ng	99
73) Carbazole	17.613	167	1812820	37.549	ng	98
74) Di-n-butylphthalate	18.207	149	2277638	38.345	ng	100
75) Fluoranthene	19.324	202	2258336	37.721	ng	99
77) Benzidine	19.513	184	1861268	56.911	ng	99
78) Pyrene	19.701	202	2359709	37.884	ng	99
80) Butylbenzylphthalate	20.654	149	1064206	37.699	ng	96
81) Benzo(a)anthracene	21.630	228	2390024	37.816	ng	99
82) 3,3'-Dichlorobenzidine	21.536	252	906596	38.057	ng	99
83) Chrysene	21.695	228	2241792	37.876	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1539693	37.052	ng	100
85) Di-n-octyl phthalate	22.859	149	2645927	37.018	ng	99
87) Indeno(1,2,3-cd)pyrene	28.865	276	3143696	39.082	ng	98
88) Benzo(b)fluoranthene	23.942	252	2512340	38.843	ng	99
89) Benzo(k)fluoranthene	24.012	252	2488345	38.446	ng	99
90) Benzo(a)pyrene	24.853	252	2443181	38.805	ng	99
91) Dibenzo(a,h)anthracene	28.930	278	2595384	39.482	ng	98
92) Benzo(g,h,i)perylene	30.012	276	2536518	39.255	ng	100

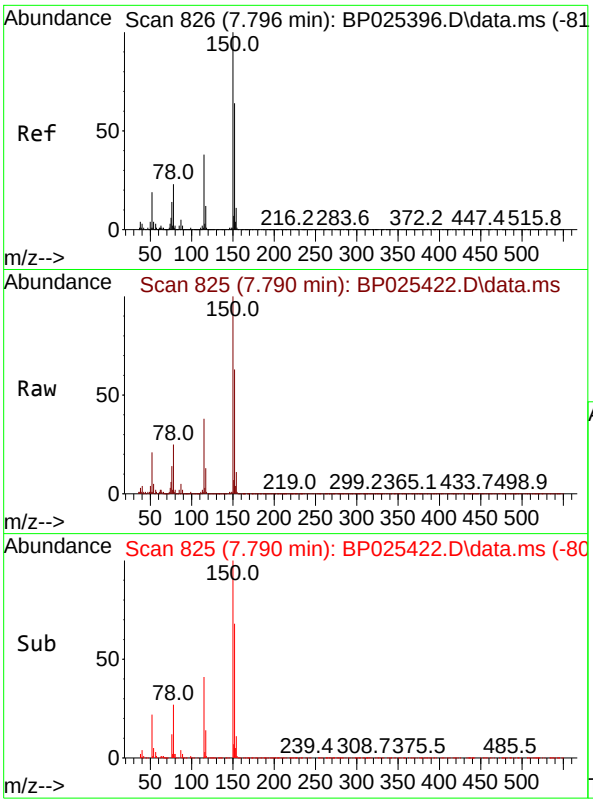
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025422.D
Acq On : 15 Aug 2025 10:36
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 15 11:23:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



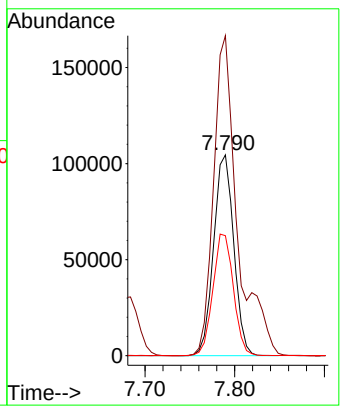


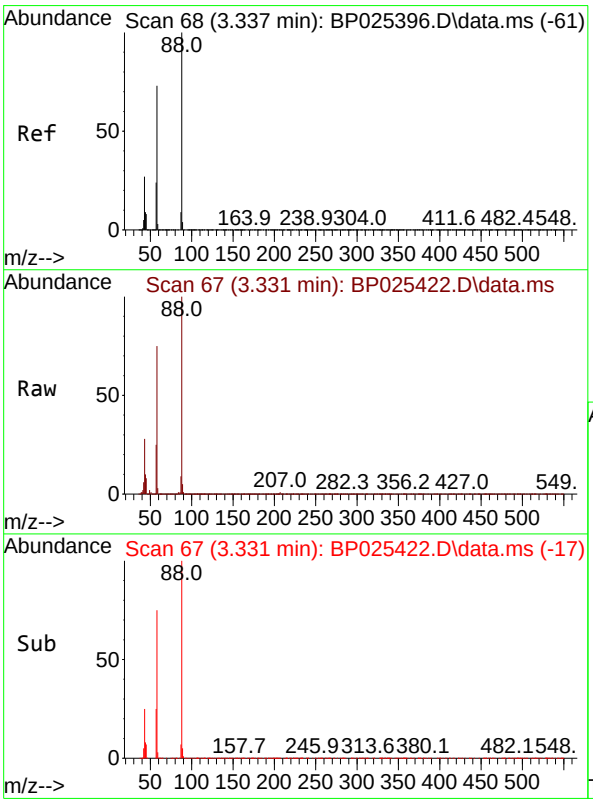
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 163210

Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.9	188.9
115	59.8	48.5	72.7

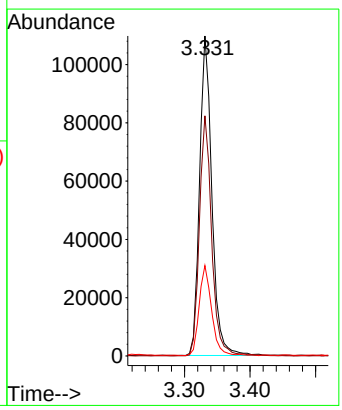


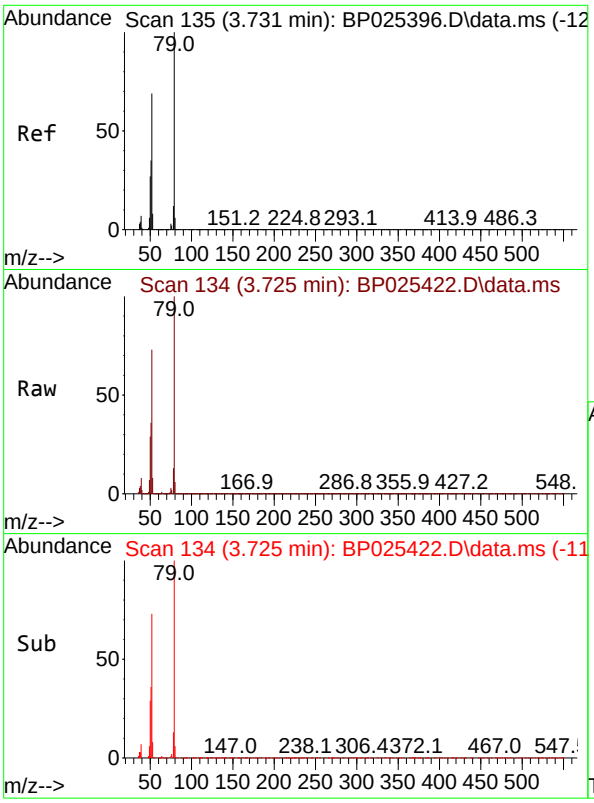


#2
1,4-Dioxane
Concen: 37.293 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 88 Resp: 143562

Ion	Ratio	Lower	Upper
88	100		
58	75.3	59.2	88.8
43	28.6	21.7	32.5



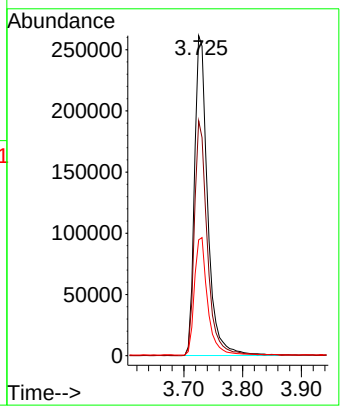


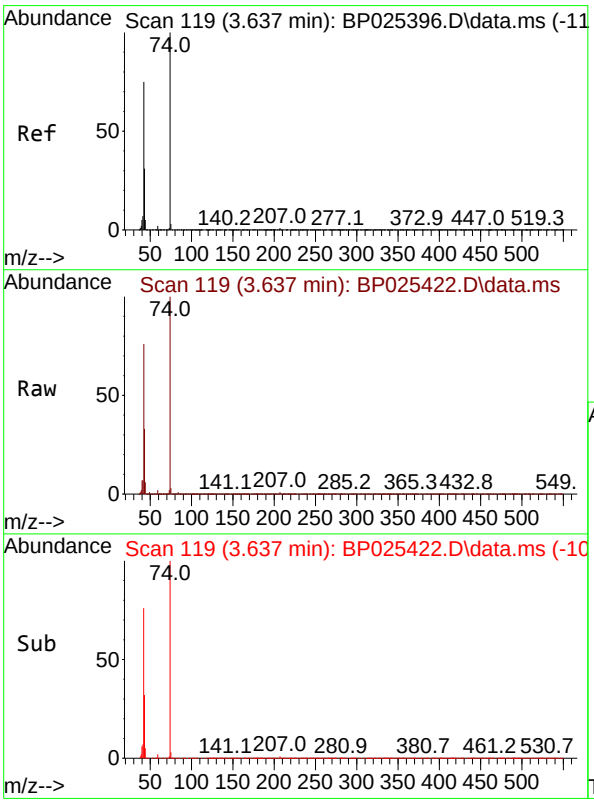
#3
Pyridine
Concen: 38.504 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 405696

Ion	Ratio	Lower	Upper
79	100		
52	73.4	55.5	83.3
51	36.2	28.3	42.5

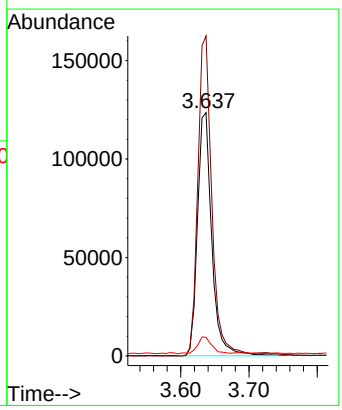


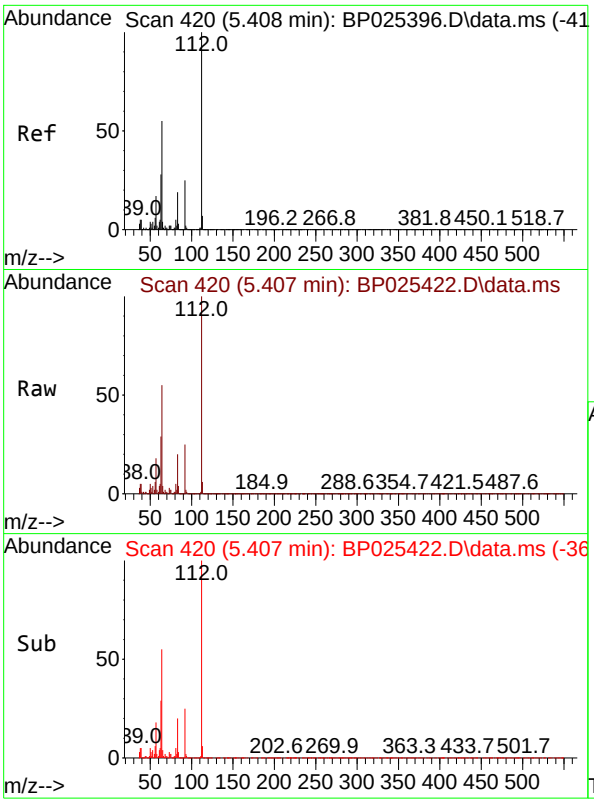


#4
n-Nitrosodimethylamine
Concen: 41.341 ng
RT: 3.637 min Scan# 119
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 42 Resp: 179582

Ion	Ratio	Lower	Upper
42	100		
74	131.5	107.0	160.4
44	7.6	6.2	9.4



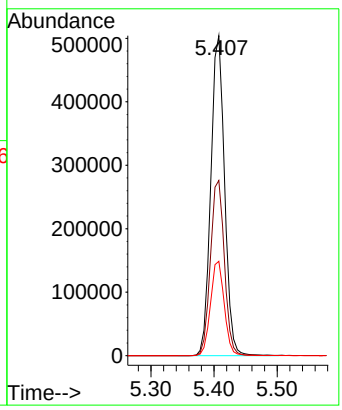


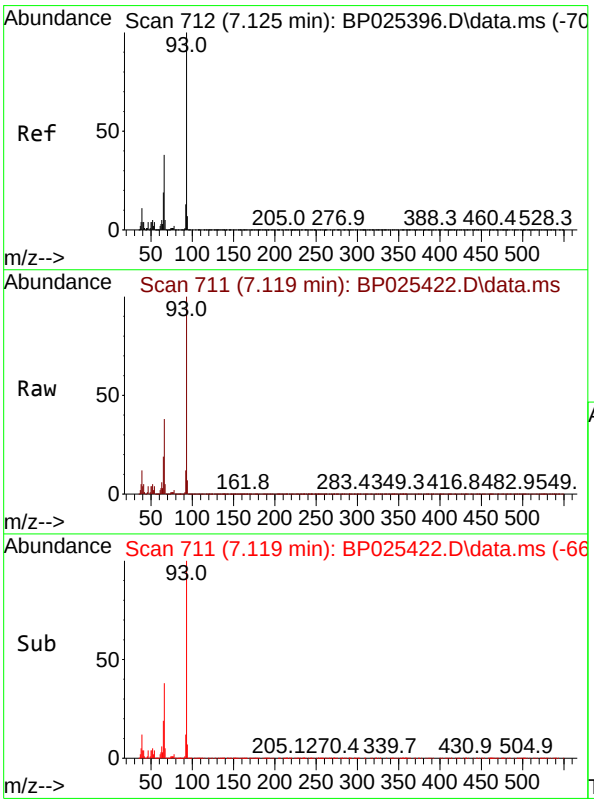
#5
2-Fluorophenol
Concen: 77.682 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 763443

Ion	Ratio	Lower	Upper
112	100		
64	54.7	43.8	65.8
63	29.5	22.7	34.1

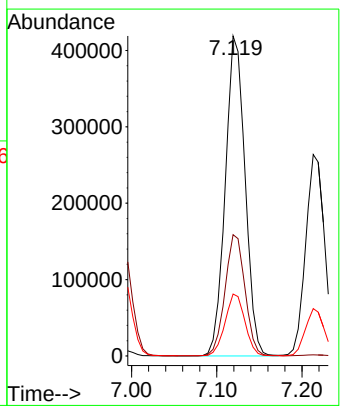


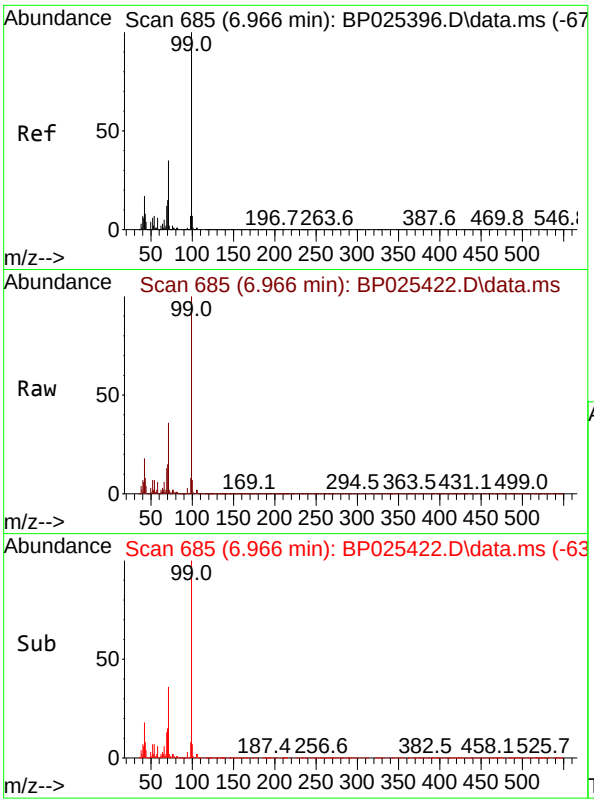


#6
Aniline
Concen: 39.917 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 677656

Ion	Ratio	Lower	Upper
93	100		
66	37.9	30.4	45.6
65	19.4	15.3	22.9



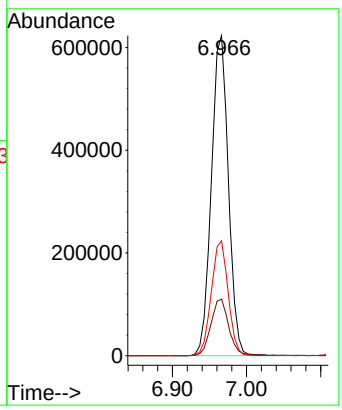


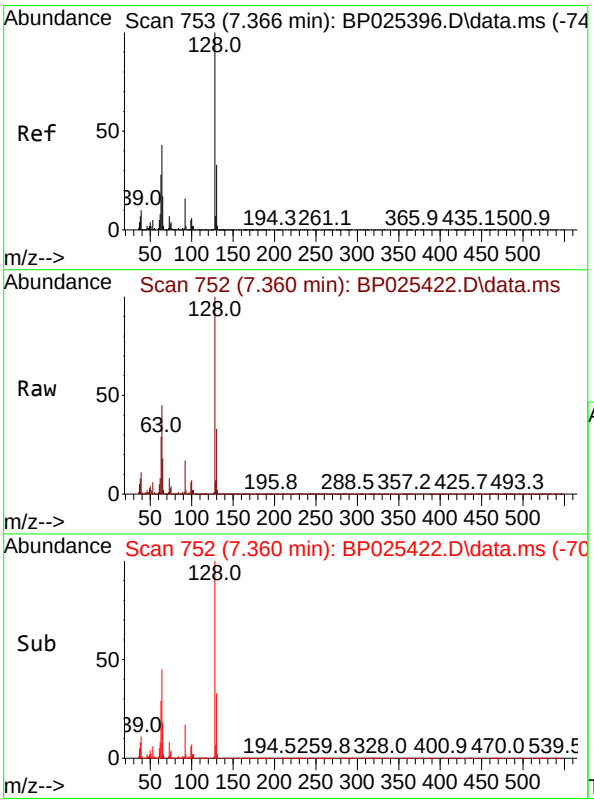
#7
Phenol-d6
Concen: 78.694 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 991544

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.7	20.5
71	35.9	28.2	42.4

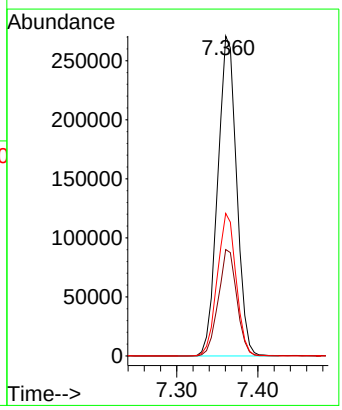


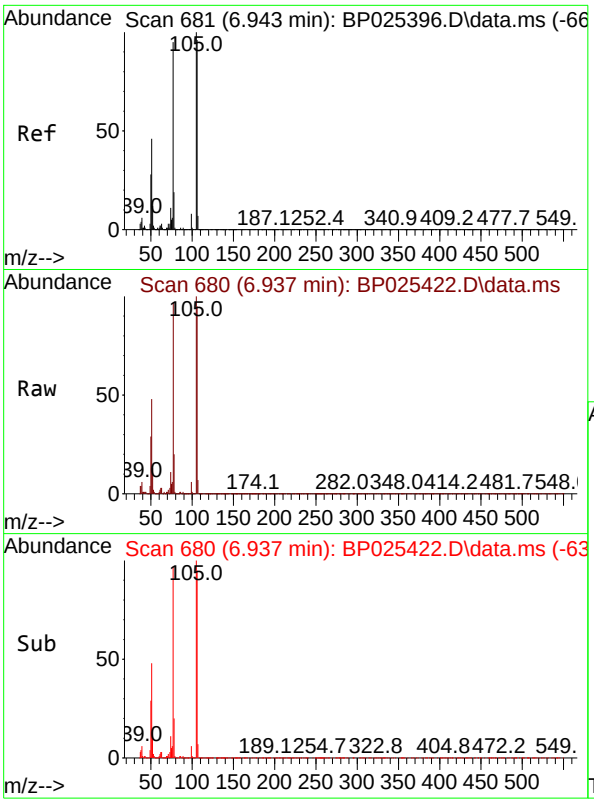


#8
2-Chlorophenol
Concen: 39.543 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:128 Resp: 438538

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	44.6	23.4	63.4



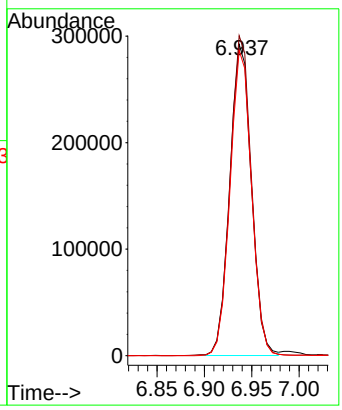


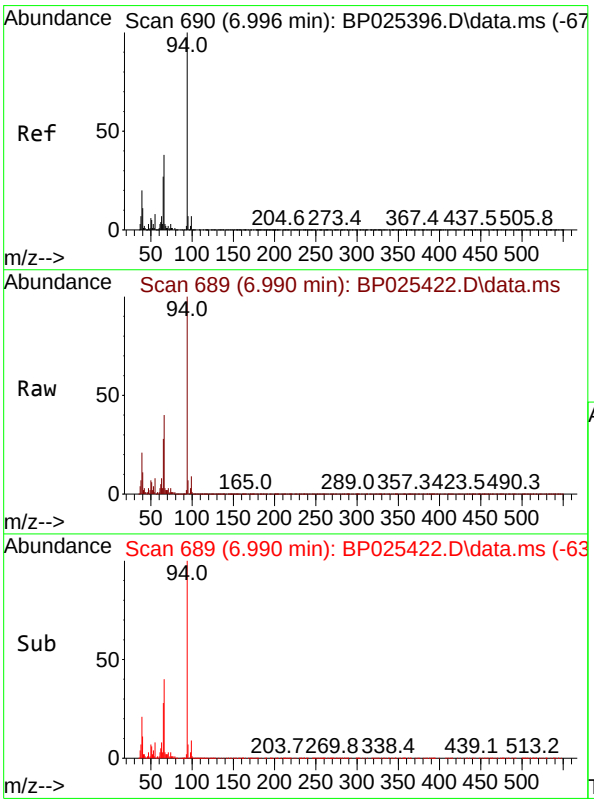
#9
Benzaldehyde
Concen: 52.616 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 464483

Ion	Ratio	Lower	Upper
77	100		
105	102.8	84.8	124.8
106	98.0	80.5	120.5

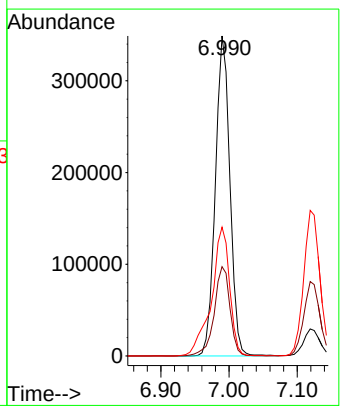


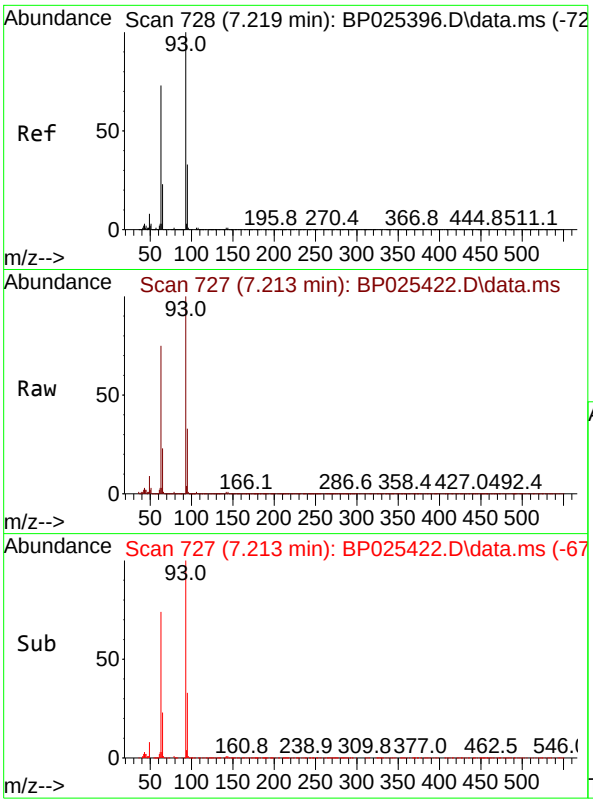


#10
Phenol
Concen: 39.253 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 94 Resp: 518982

Ion	Ratio	Lower	Upper
94	100		
65	27.9	6.8	46.8
66	40.2	18.2	58.2



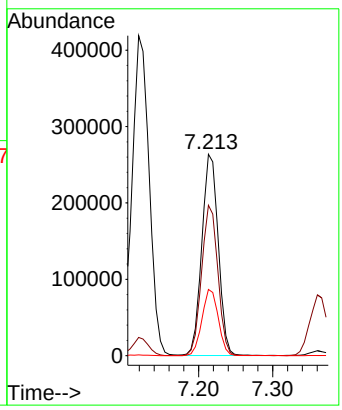


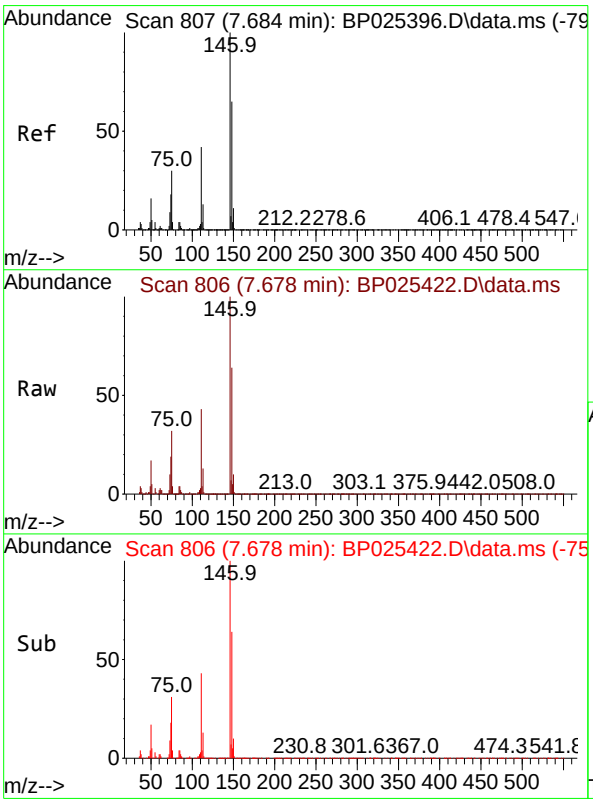
#11
bis(2-Chloroethyl)ether
Concen: 39.423 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 406260

Ion	Ratio	Lower	Upper
93	100		
63	74.7	52.6	92.6
95	32.9	12.7	52.7

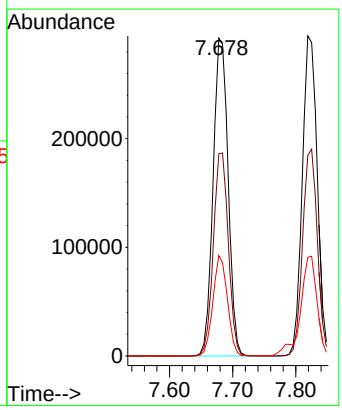


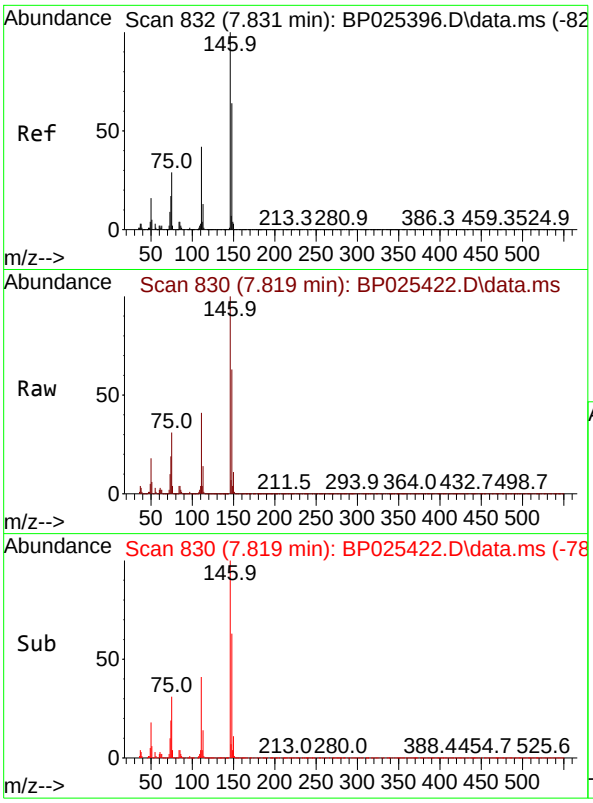


#12
1,3-Dichlorobenzene
Concen: 39.468 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 482648

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
75	31.6	23.7	35.5



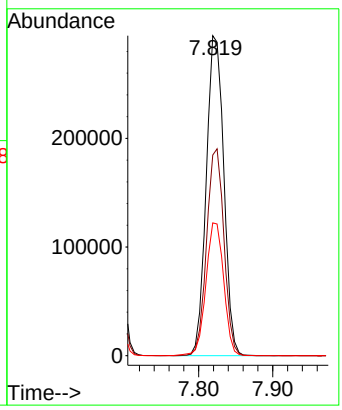


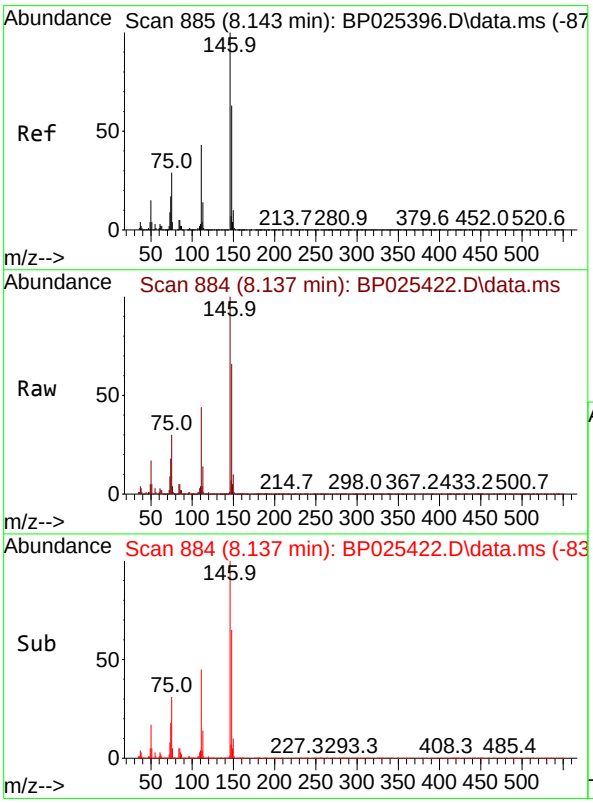
#13
1,4-Dichlorobenzene
Concen: 38.666 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 483294

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.6	77.4
111	41.5	33.4	50.0

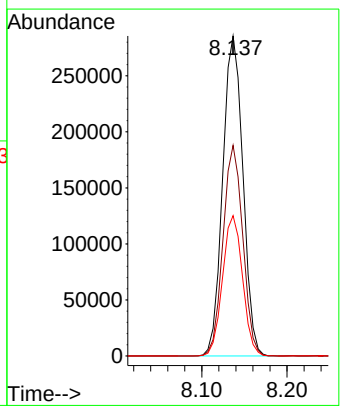


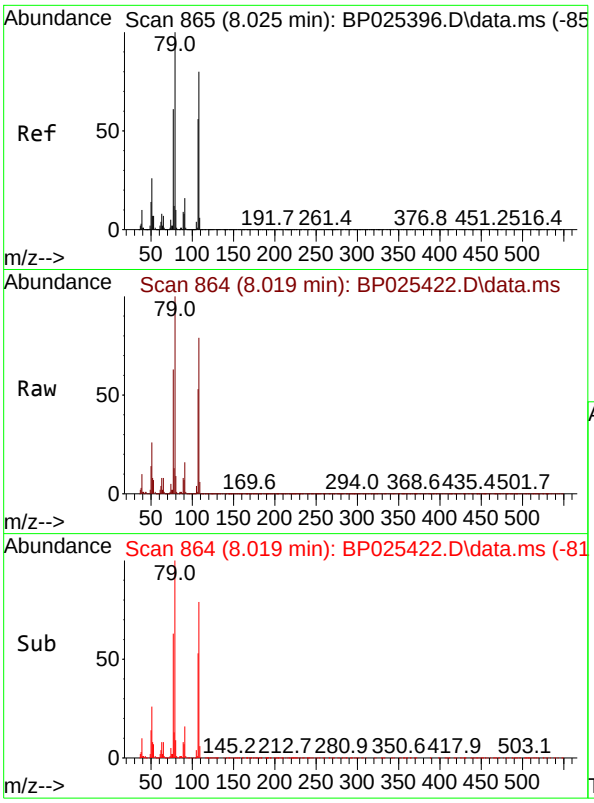


#14
1,2-Dichlorobenzene
Concen: 38.837 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:146 Resp: 469905

Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.4	75.6
111	43.8	34.5	51.7



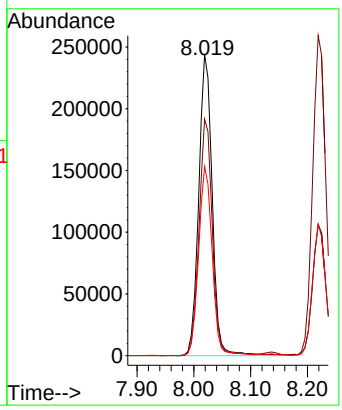


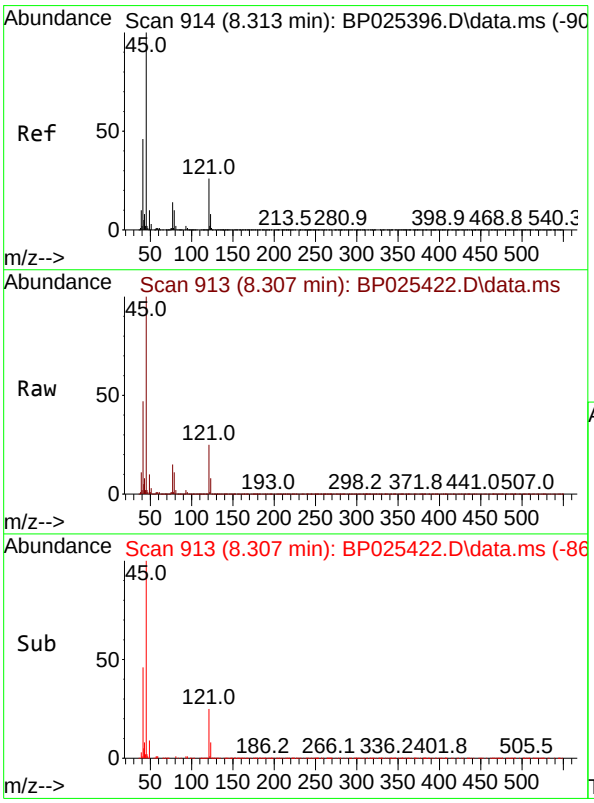
#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 402455

Ion	Ratio	Lower	Upper
79	100		
108	78.5	63.8	95.6
77	62.8	49.0	73.4

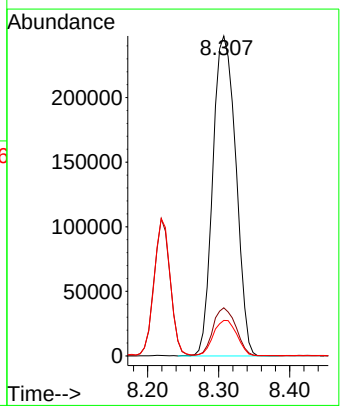


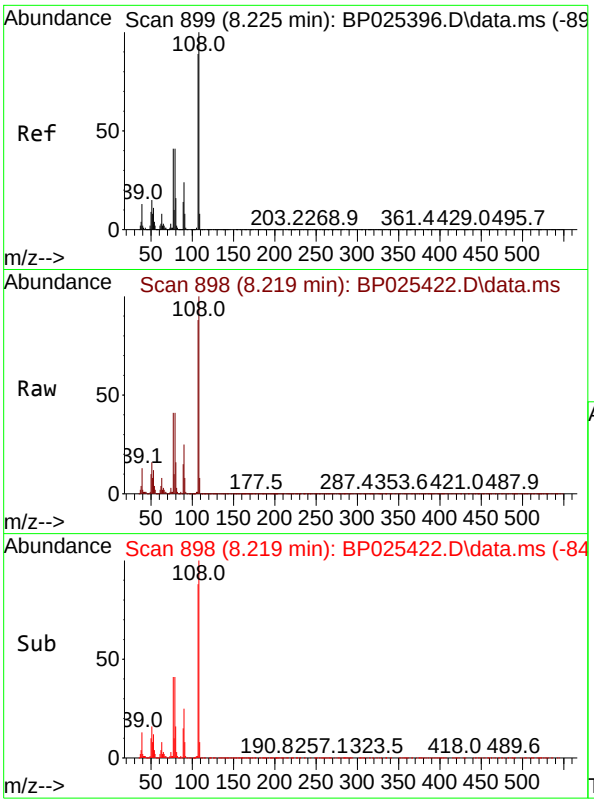


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.282 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 45 Resp: 556083

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	35.3
79	11.1	0.0	31.8



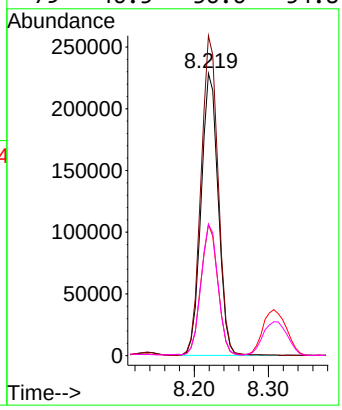


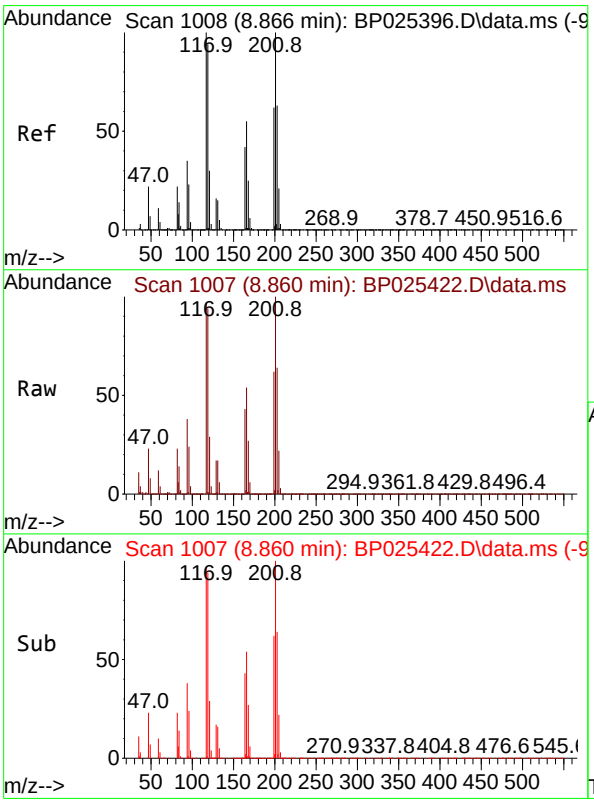
#17
2-Methylphenol
Concen: 39.752 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 365027

Ion	Ratio	Lower	Upper
107	100		
108	113.4	89.4	134.0
77	46.5	36.3	54.5
79	46.5	36.6	54.8

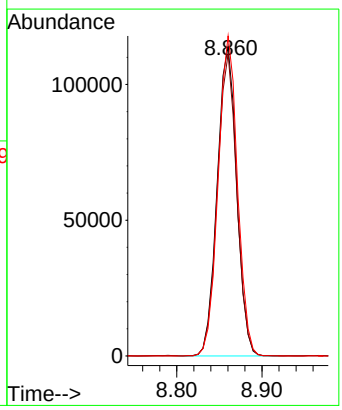


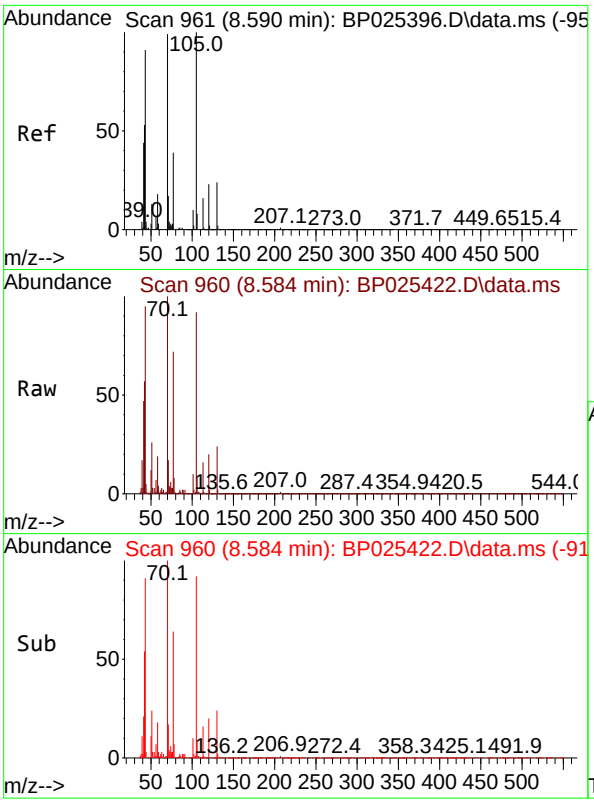


#18
Hexachloroethane
Concen: 39.542 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:117 Resp: 181724

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.1	112.7
201	103.5	80.1	120.1



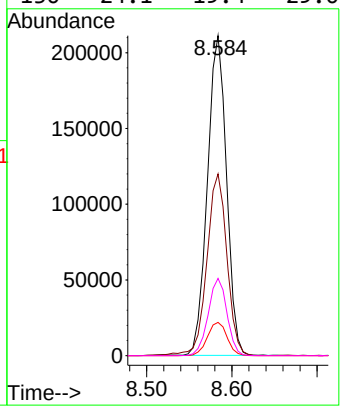


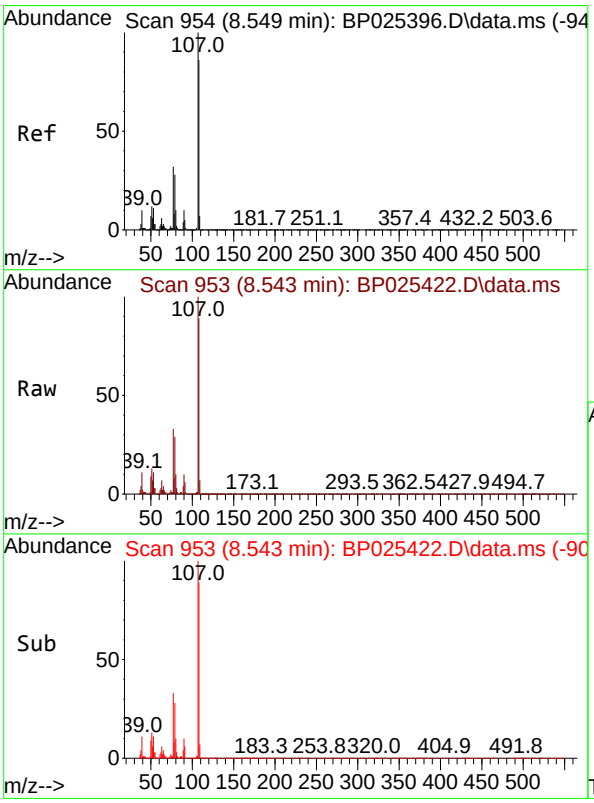
#19
n-Nitroso-di-n-propylamine
Concen: 39.304 ng
RT: 8.584 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 328037

Ion	Ratio	Lower	Upper
70	100		
42	56.8	43.8	65.6
101	10.4	8.5	12.7
130	24.1	19.4	29.0

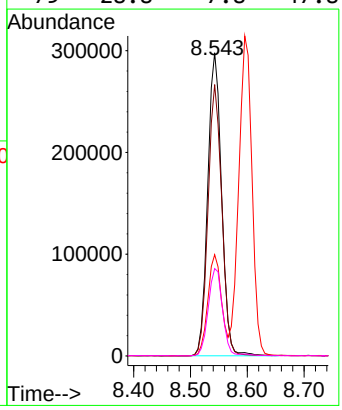


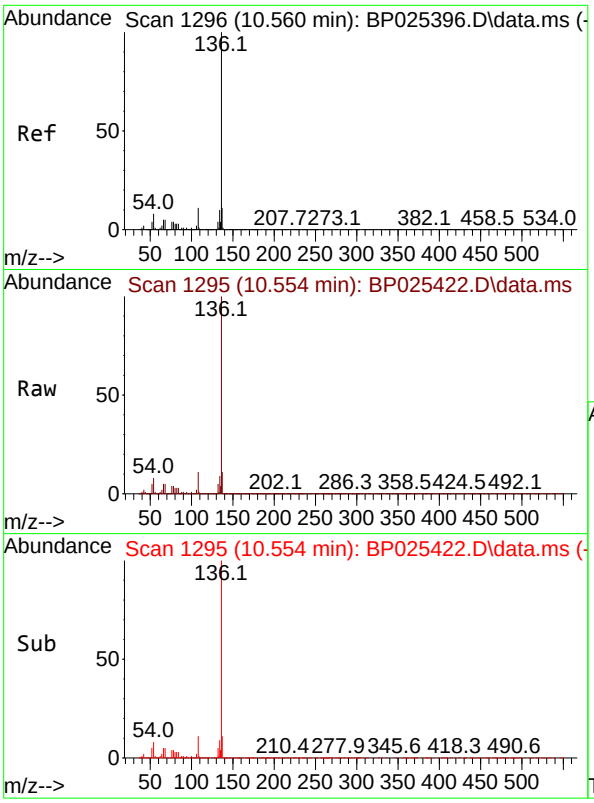


#20
3+4-Methylphenols
Concen: 39.561 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 503552

Ion	Ratio	Lower	Upper
107	100		
108	89.5	66.3	106.3
77	33.4	12.3	52.3
79	28.8	7.8	47.8



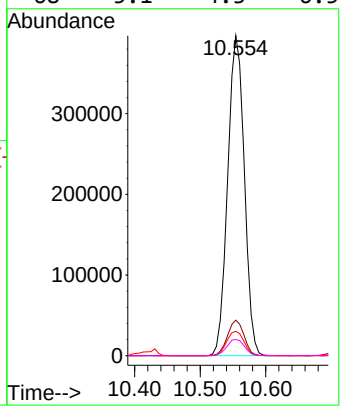


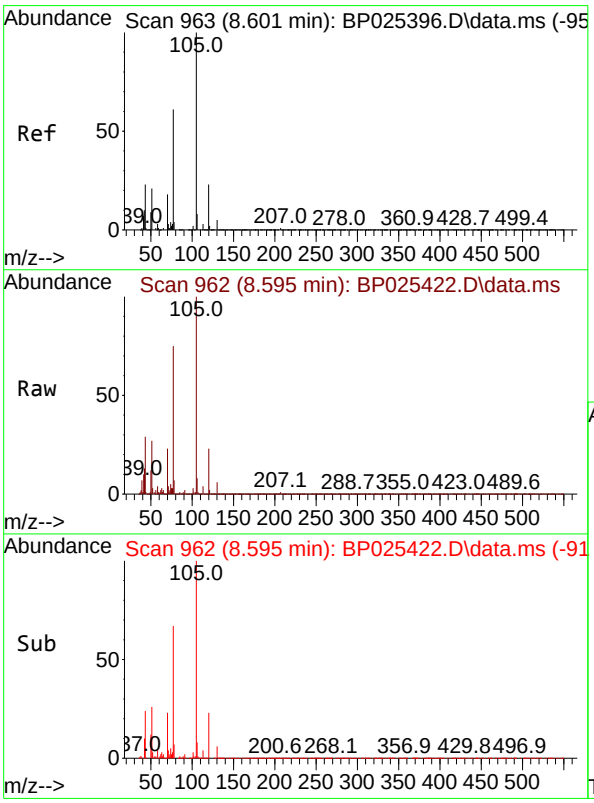
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 699113

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.6	6.0	9.0
68	5.1	4.3	6.5

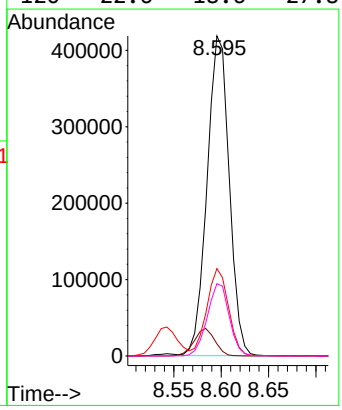


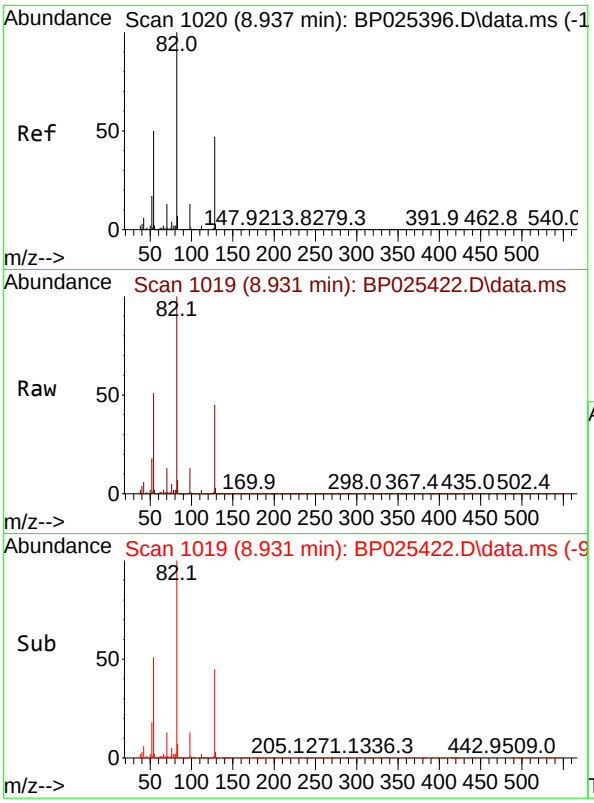


#22
Acetophenone
Concen: 38.792 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:105 Resp: 680116

Ion	Ratio	Lower	Upper
105	100		
71	3.8	2.6	4.0
51	27.3	20.6	30.8
120	22.6	18.6	27.8



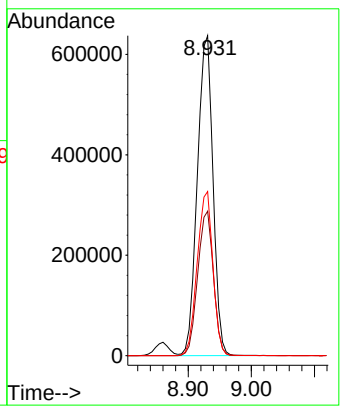


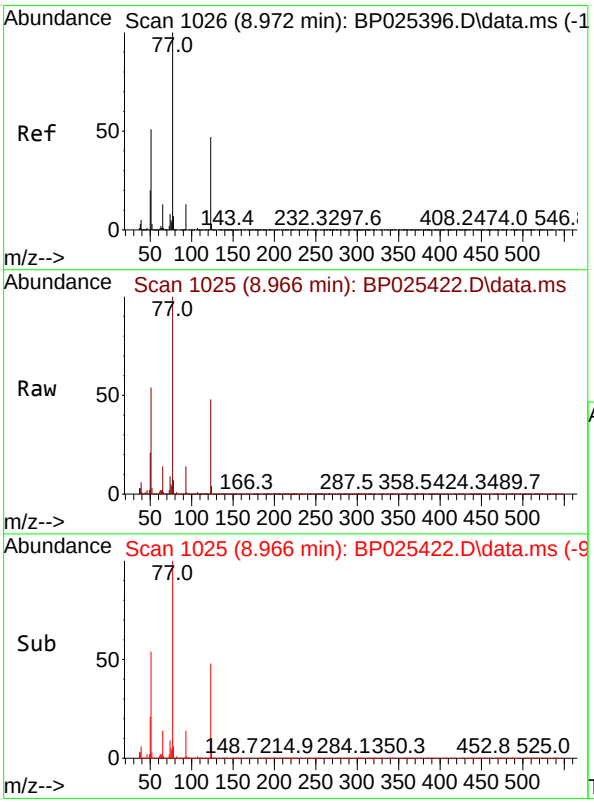
#23
Nitrobenzene-d5
Concen: 79.367 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1096890

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6

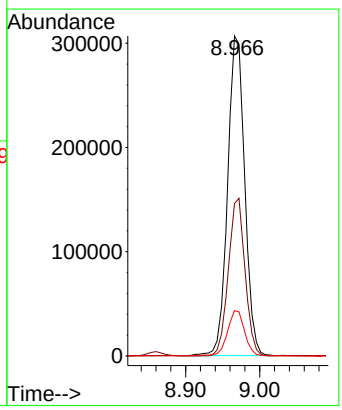


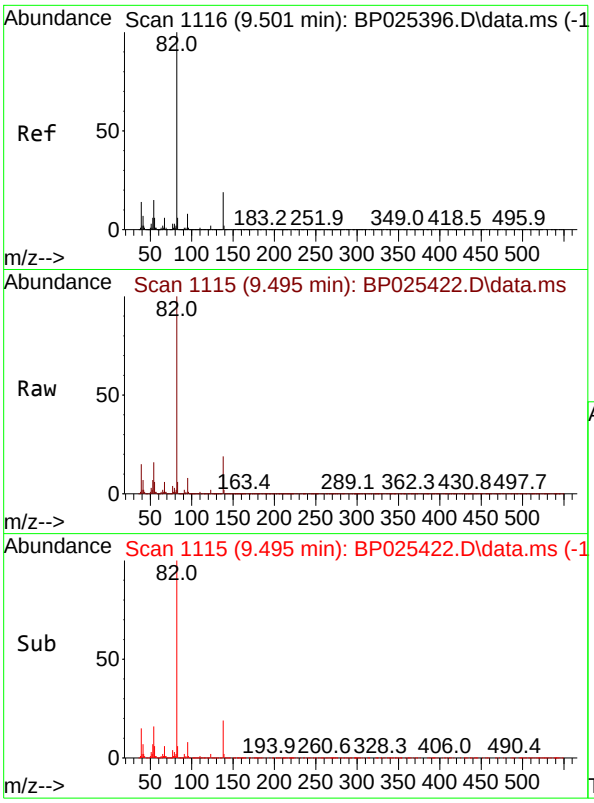


#24
Nitrobenzene
Concen: 39.805 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 77 Resp: 491654

Ion	Ratio	Lower	Upper
77	100		
123	47.7	38.6	58.0
65	14.2	10.6	15.8



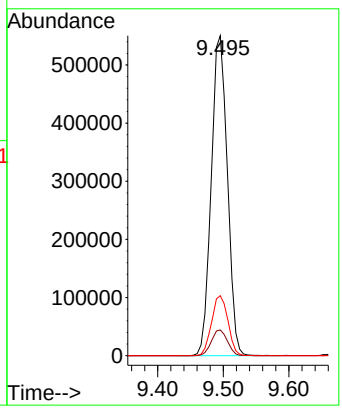


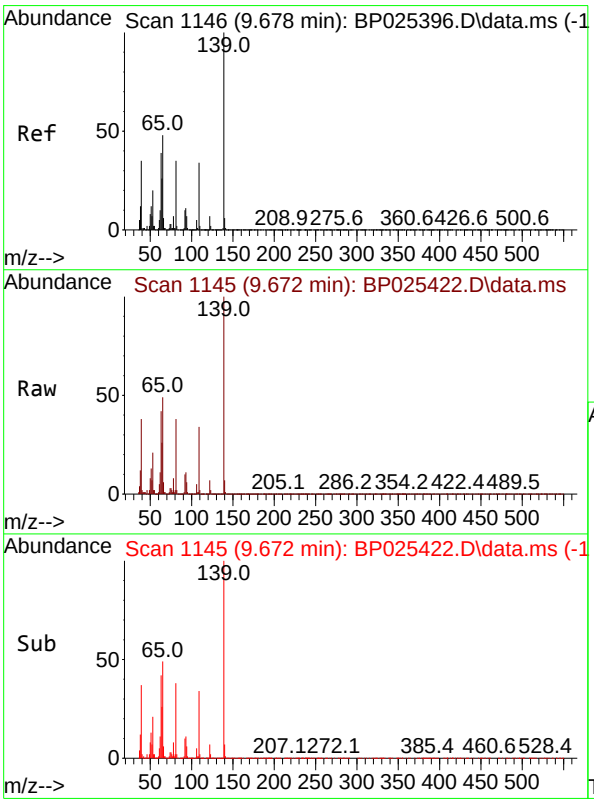
#25
Isophorone
Concen: 38.387 ng
RT: 9.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 938896

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.8	15.4	23.0

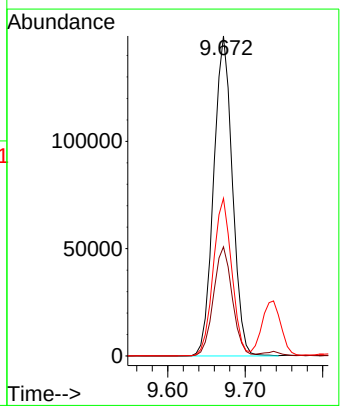


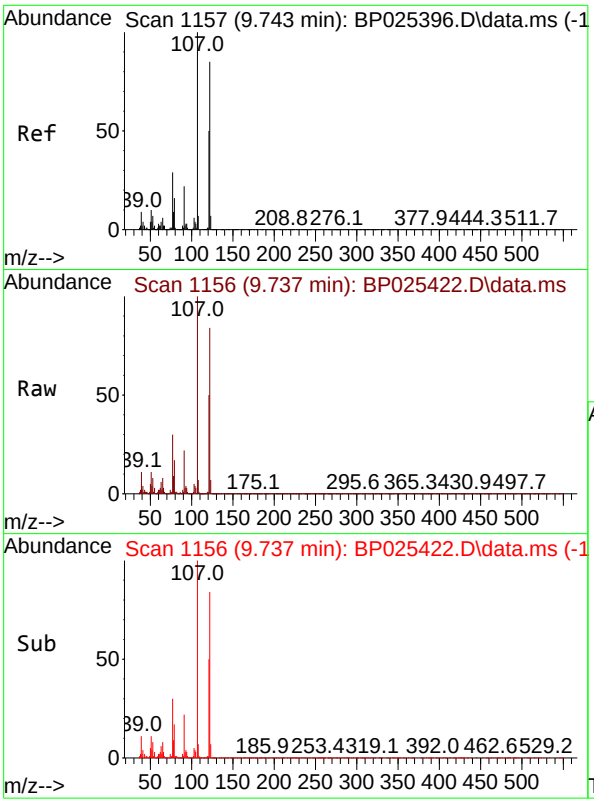


#26
2-Nitrophenol
Concen: 39.458 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 250121

Ion	Ratio	Lower	Upper
139	100		
109	34.1	26.9	40.3
65	49.2	38.3	57.5



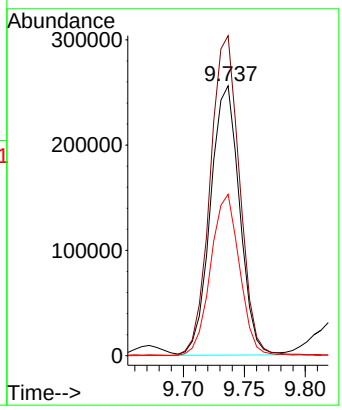


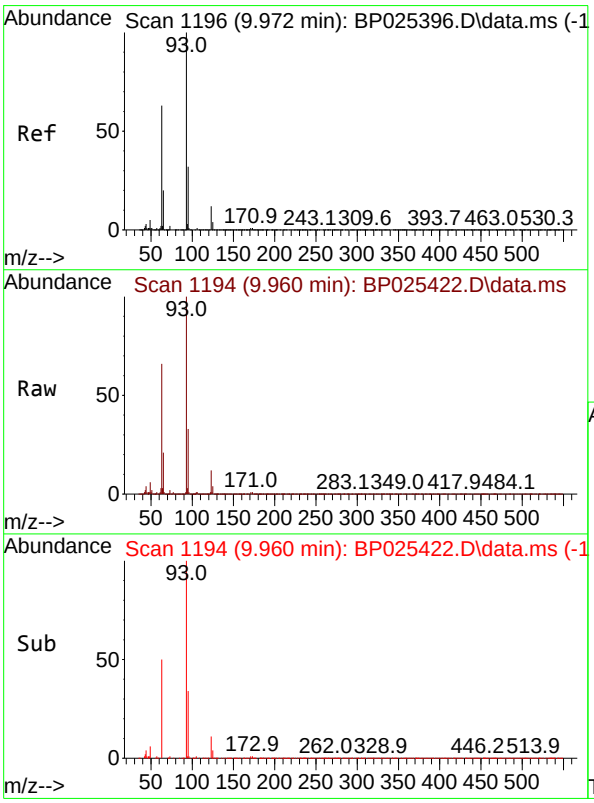
#27
2,4-Dimethylphenol
Concen: 39.018 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 425335

Ion	Ratio	Lower	Upper
122	100		
107	118.5	93.7	140.5
121	59.8	46.6	69.8

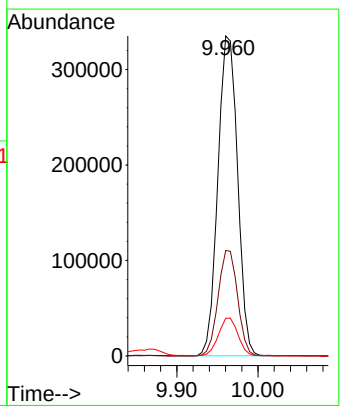


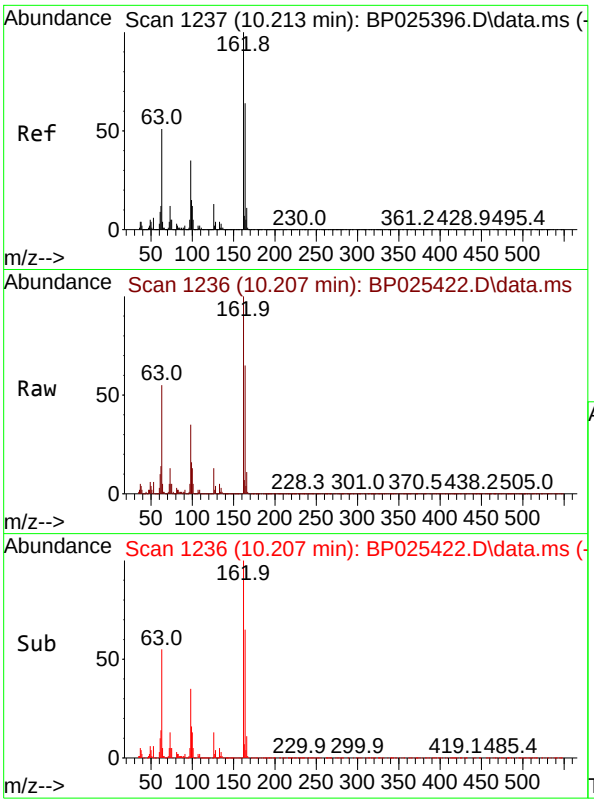


#28
bis(2-Chloroethoxy)methane
Concen: 38.258 ng
RT: 9.960 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 93 Resp: 565633

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.4	38.0
123	11.7	9.4	14.0



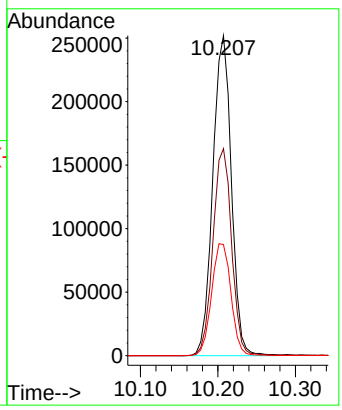


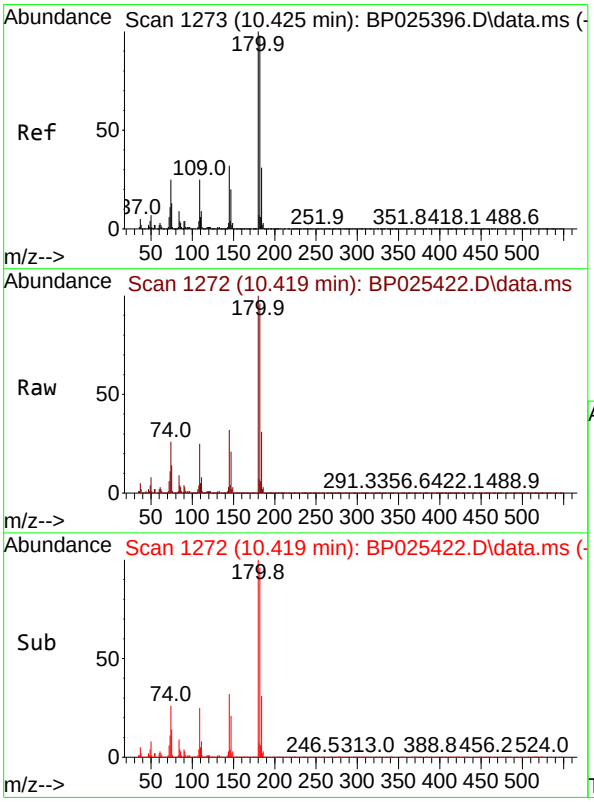
#29
2,4-Dichlorophenol
Concen: 38.724 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 419343

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.4	84.4
98	34.7	14.9	54.9

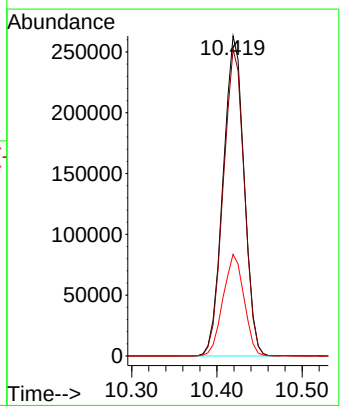


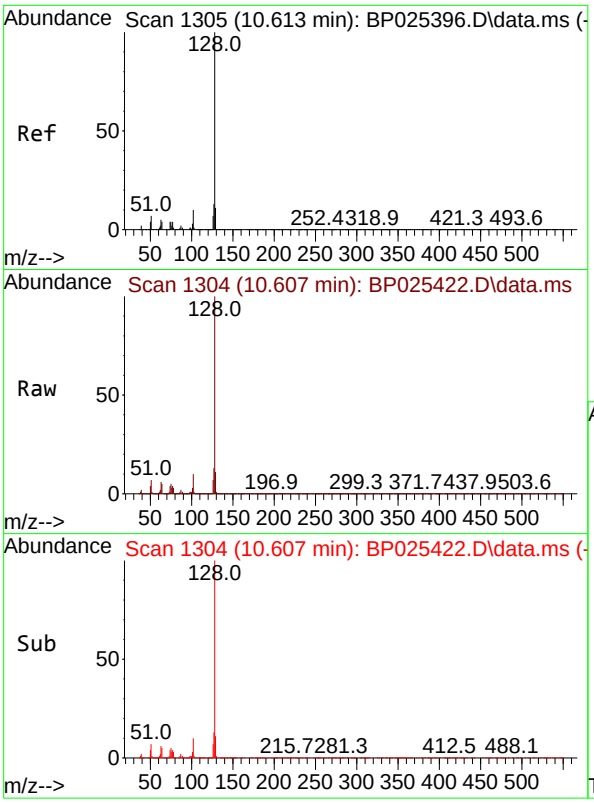


#30
1,2,4-Trichlorobenzene
Concen: 37.921 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:180 Resp: 450156

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.0	117.0
145	31.8	25.9	38.9



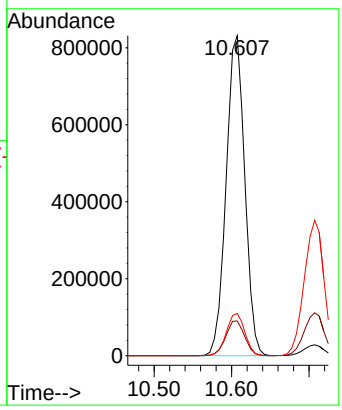


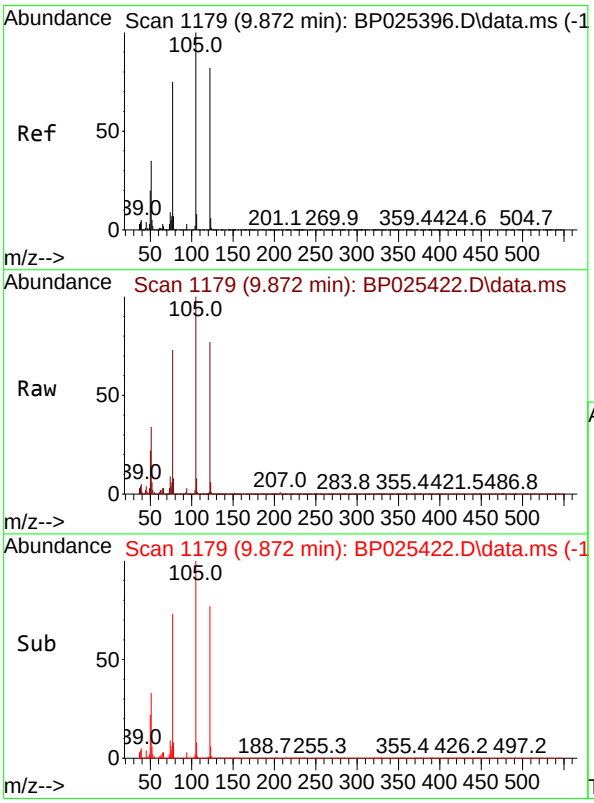
#31
Naphthalene
Concen: 38.324 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1392577

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.7	16.1

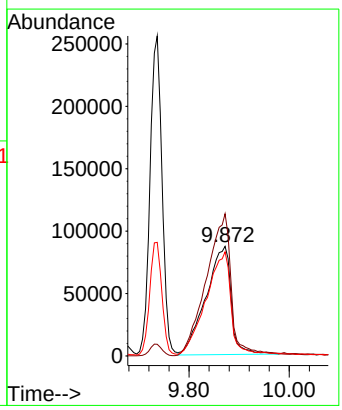


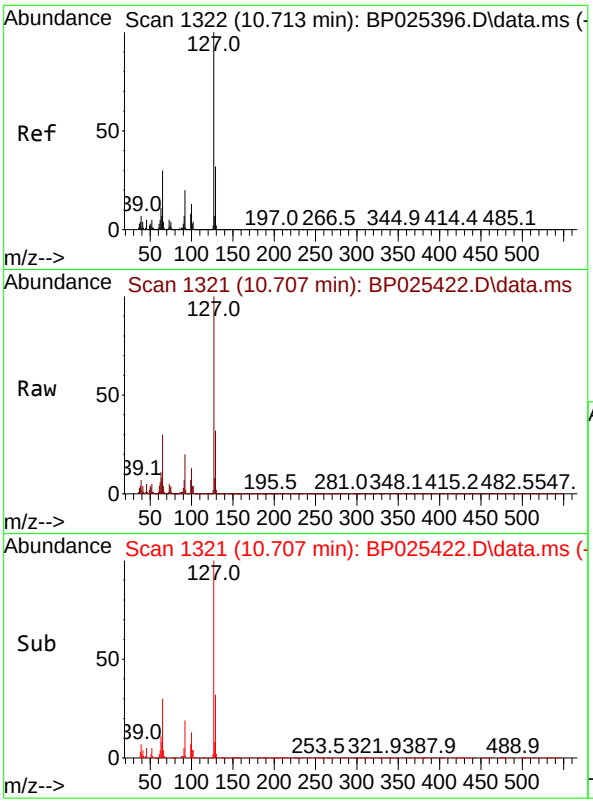


#32
Benzoic acid
Concen: 37.734 ng
RT: 9.872 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:122 Resp: 303683

Ion	Ratio	Lower	Upper
122	100		
105	129.8	100.6	140.6
77	95.1	71.5	111.5



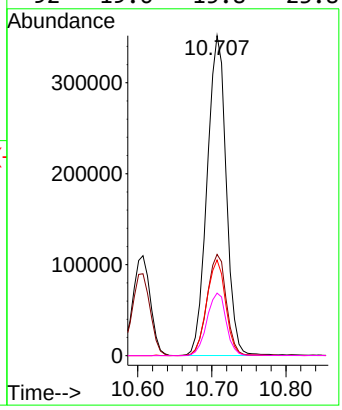


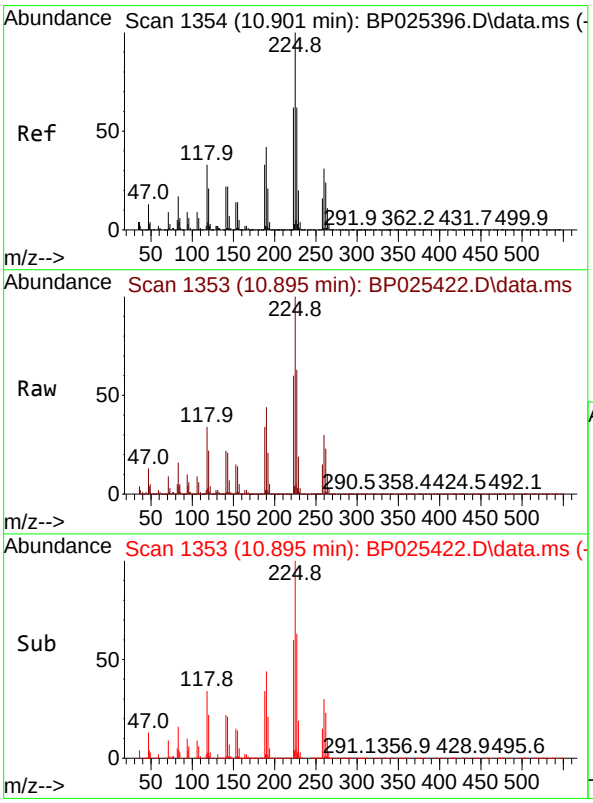
#33
4-Chloroaniline
Concen: 39.164 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 628608

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	29.9	23.8	35.6
92	19.6	15.8	23.8

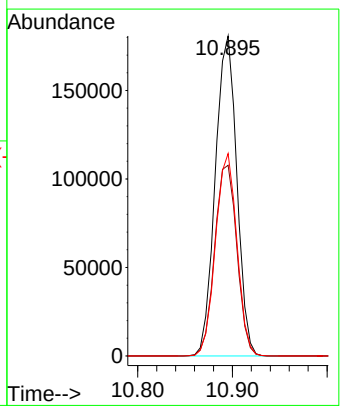


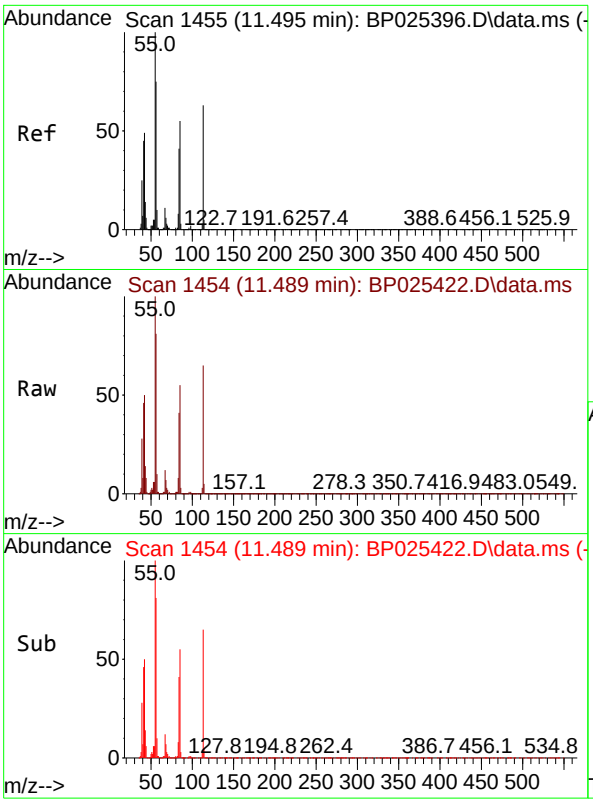


#34
Hexachlorobutadiene
Concen: 38.652 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:225 Resp: 285751

Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.0	75.0
227	63.3	49.7	74.5



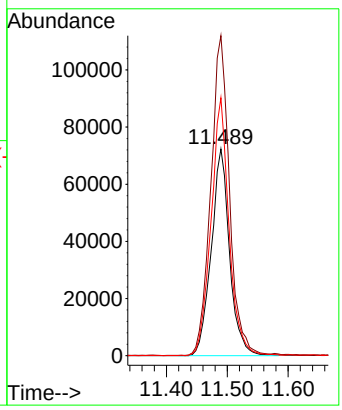


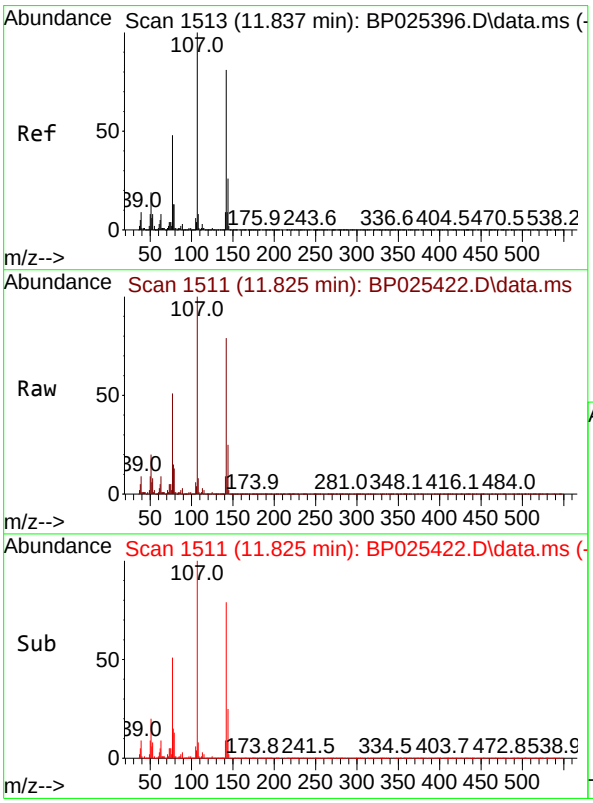
#35
Caprolactam
Concen: 37.951 ng
RT: 11.489 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 150695

Ion	Ratio	Lower	Upper
113	100		
55	154.8	140.0	180.0
56	124.8	100.0	140.0

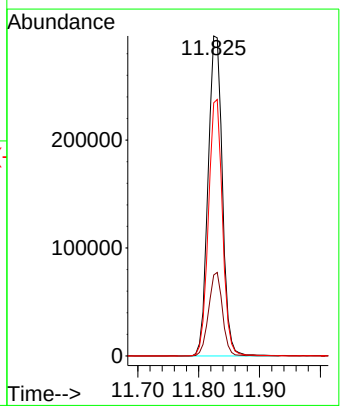


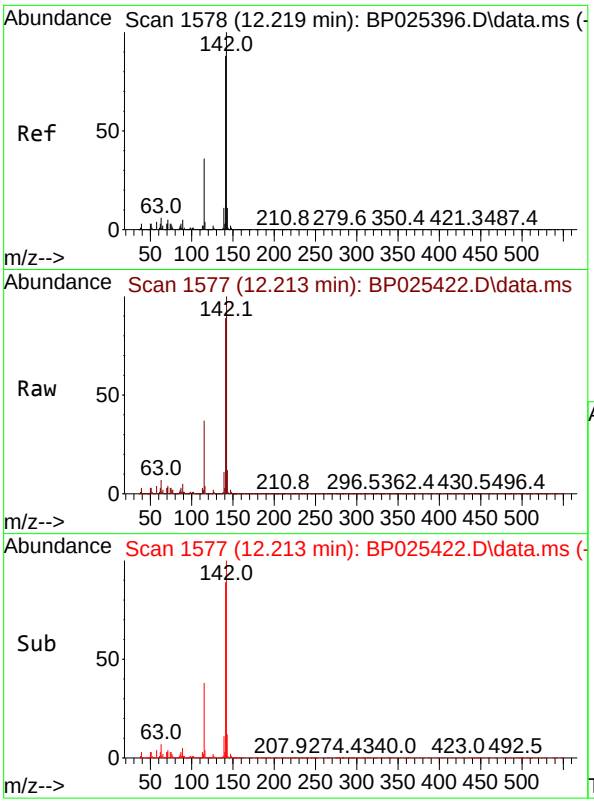


#36
4-Chloro-3-methylphenol
Concen: 38.840 ng
RT: 11.825 min Scan# 1511
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:107 Resp: 482622

Ion	Ratio	Lower	Upper
107	100		
144	25.3	21.0	31.4
142	79.1	64.6	97.0



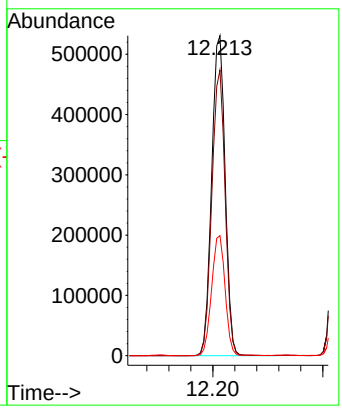


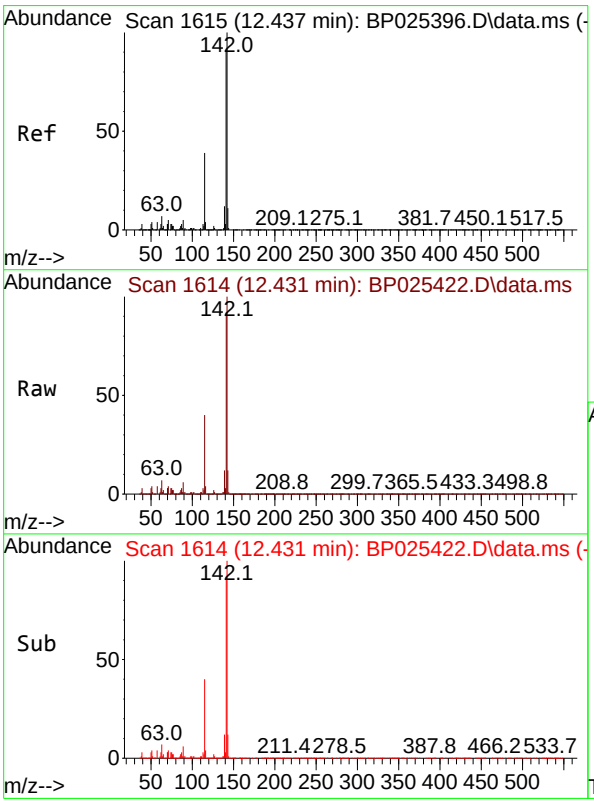
#37
2-Methylnaphthalene
Concen: 38.190 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 903084

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	37.5	28.9	43.3

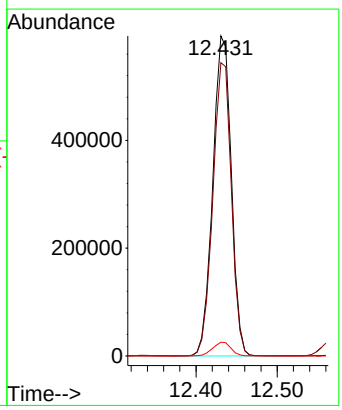


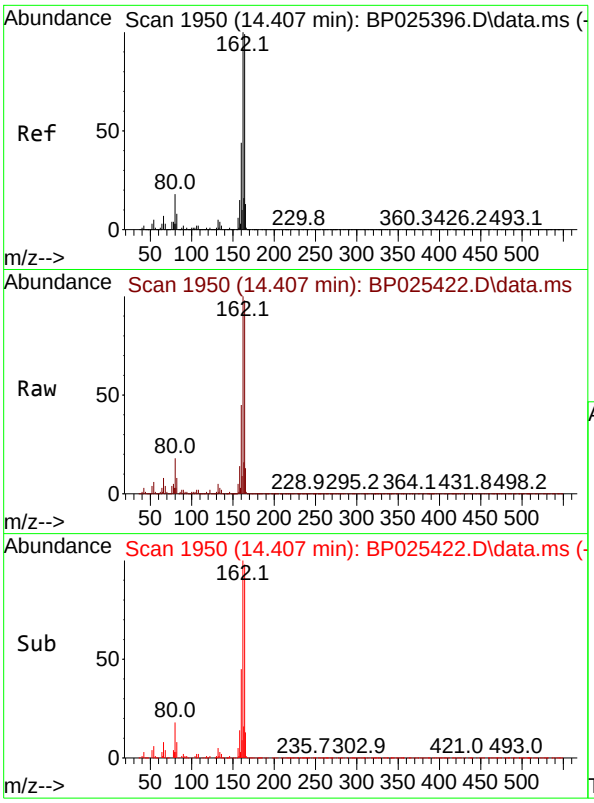


#38
1-Methylnaphthalene
Concen: 37.439 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:142 Resp: 941493

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.1	109.7
116	4.3	3.2	4.8



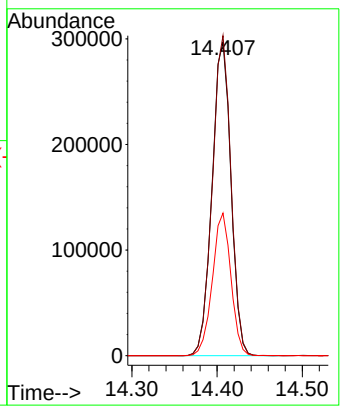


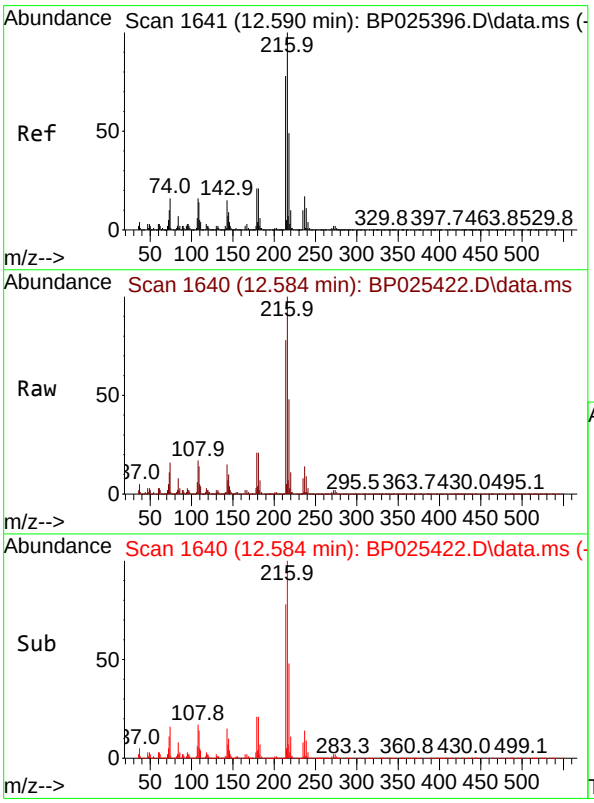
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 458301

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.0	121.6
160	45.5	35.4	53.2

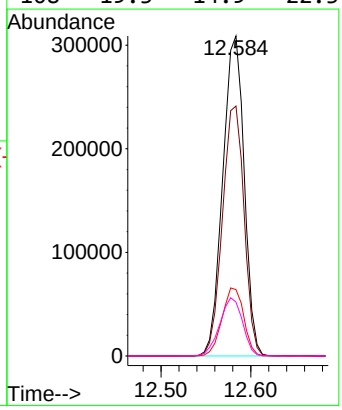


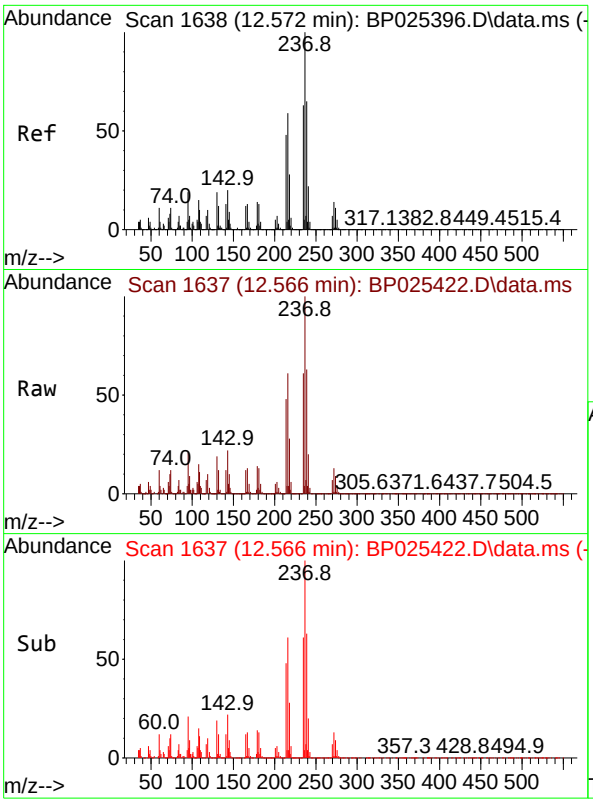


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.717 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:216 Resp: 512464

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	21.5	17.1	25.7
108	19.3	14.9	22.3



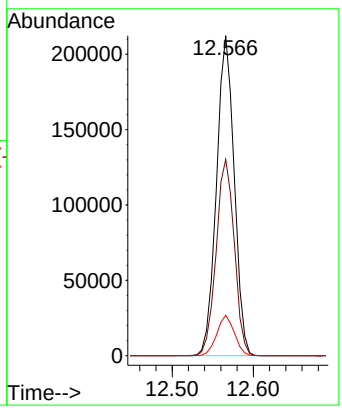


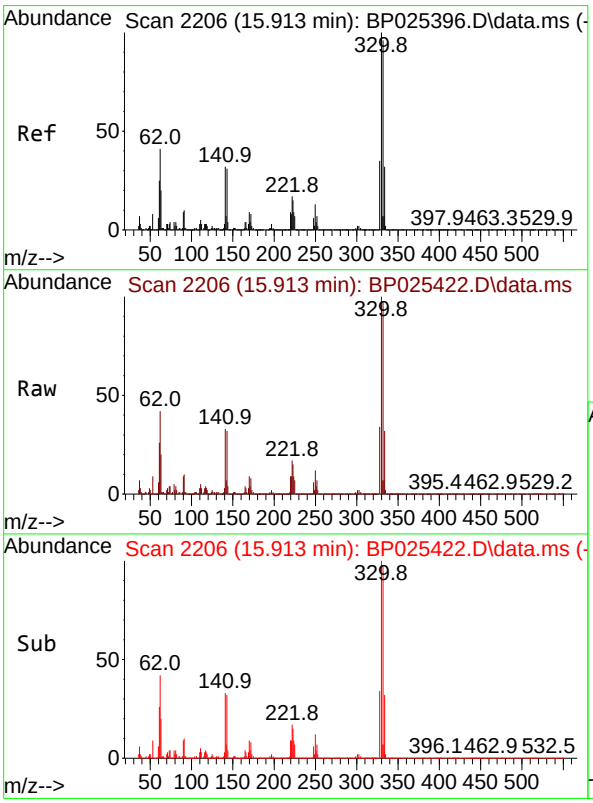
#41
Hexachlorocyclopentadiene
Concen: 40.319 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 322360

Ion	Ratio	Lower	Upper
237	100		
235	61.4	42.7	82.7
272	12.7	0.0	34.0

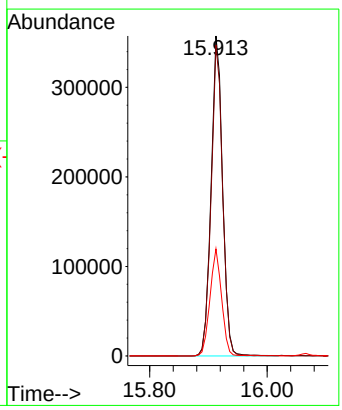


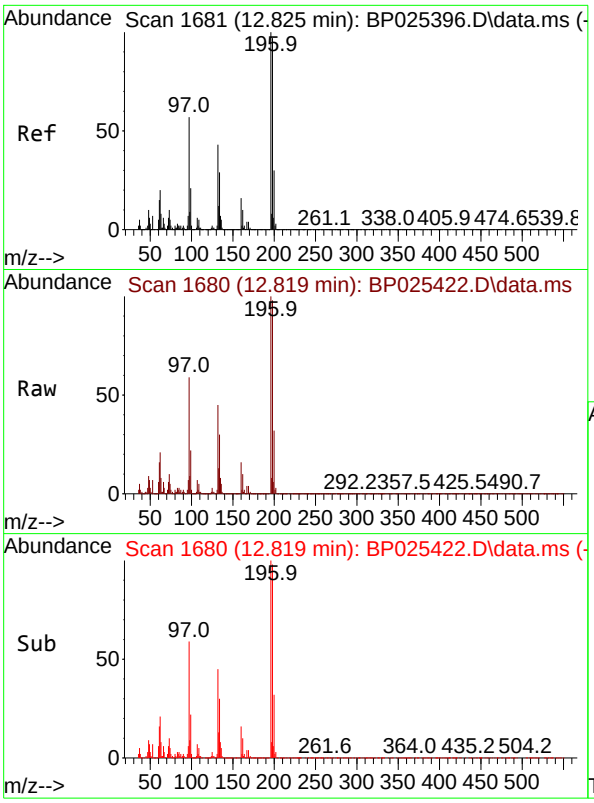


#42
2,4,6-Tribromophenol
Concen: 78.381 ng
RT: 15.913 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:330 Resp: 483517

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	34.0	26.6	39.8



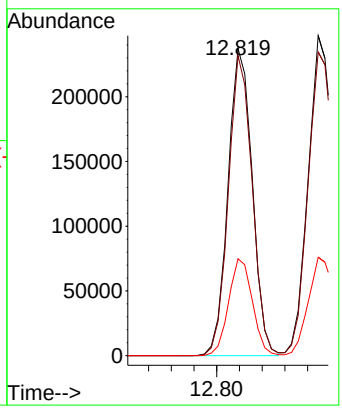


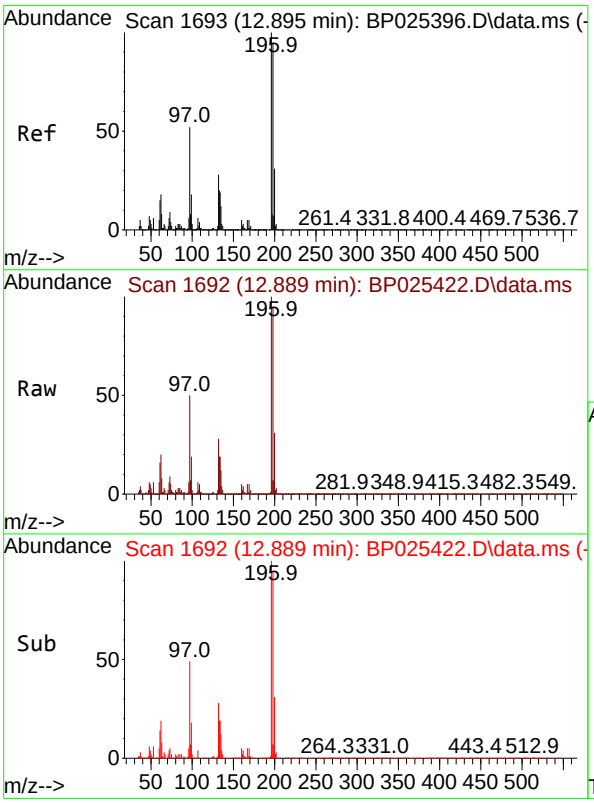
#43
2,4,6-Trichlorophenol
Concen: 39.291 ng
RT: 12.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 351101

Ion	Ratio	Lower	Upper
196	100		
198	97.7	77.2	115.8
200	31.6	23.9	35.9

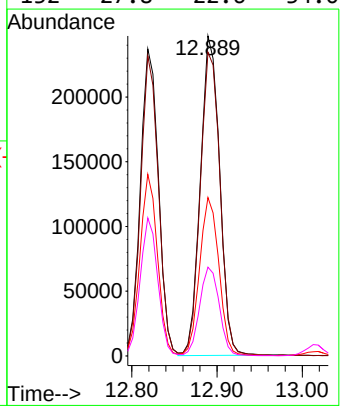


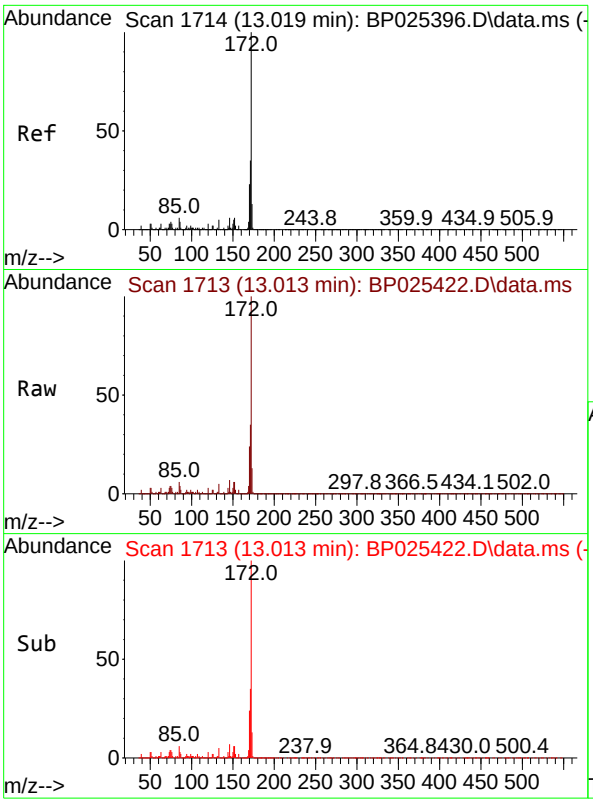


#44
2,4,5-Trichlorophenol
Concen: 39.656 ng
RT: 12.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:196 Resp: 388369

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.2	114.2
97	49.5	41.2	61.8
132	27.8	22.6	34.0



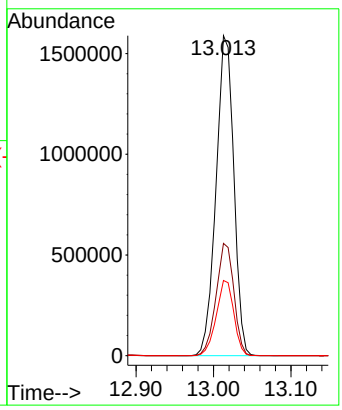


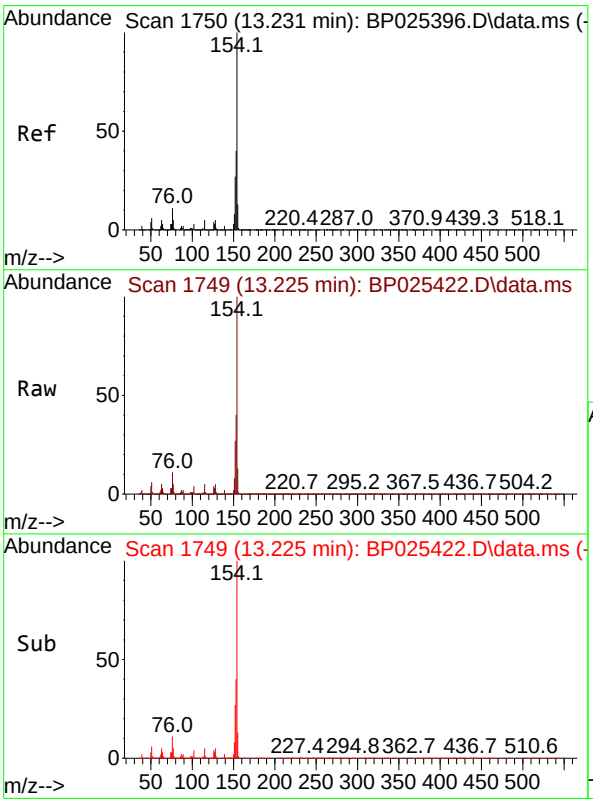
#45
2-Fluorobiphenyl
Concen: 75.449 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2530106

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.5	18.6	28.0

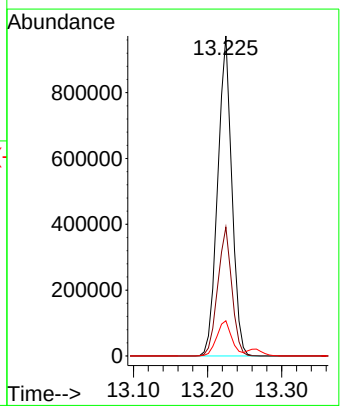


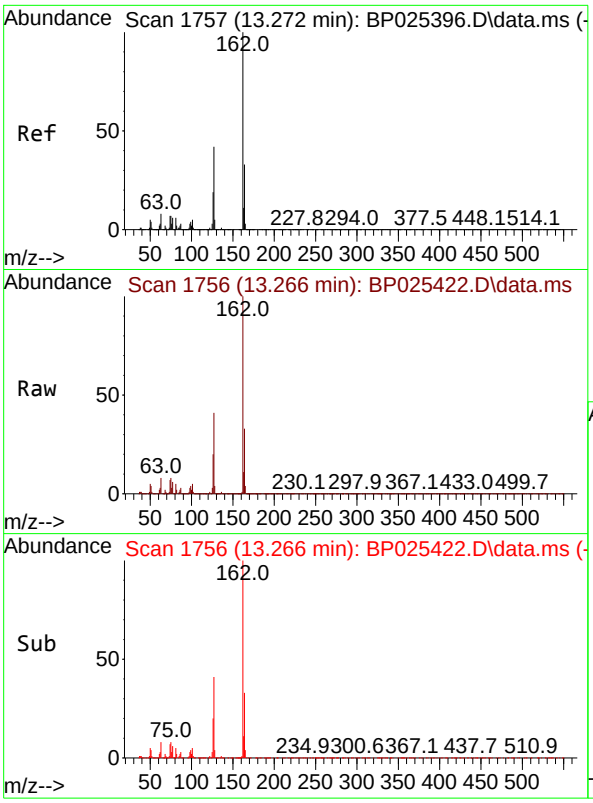


#46
1,1'-Biphenyl
Concen: 38.672 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1287182

Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.5	59.5
76	11.0	0.0	31.1



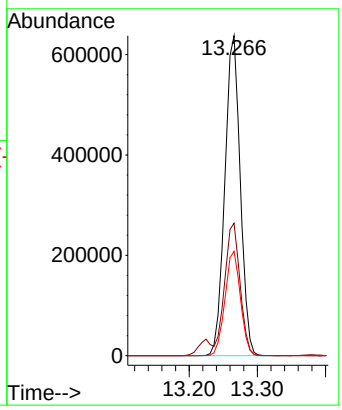


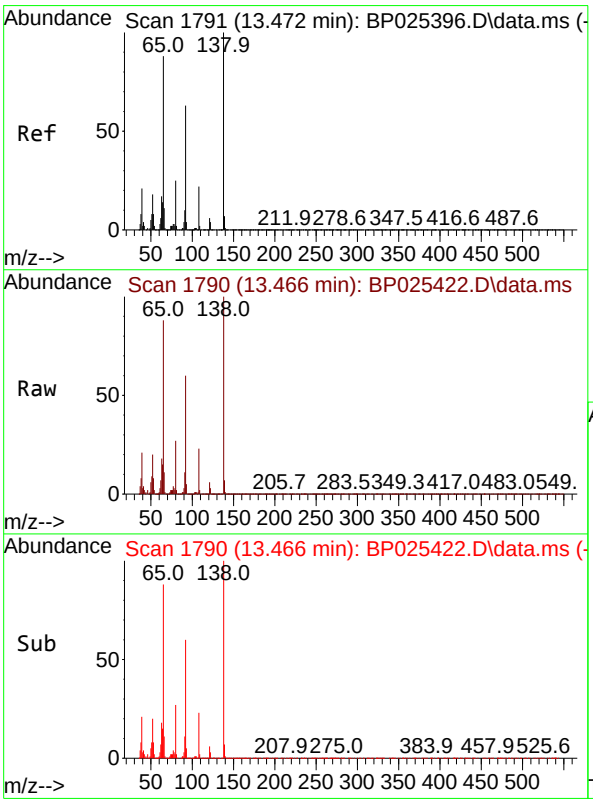
#47
2-Chloronaphthalene
Concen: 38.780 ng
RT: 13.266 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1004850

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.4	50.2
164	32.6	26.2	39.2

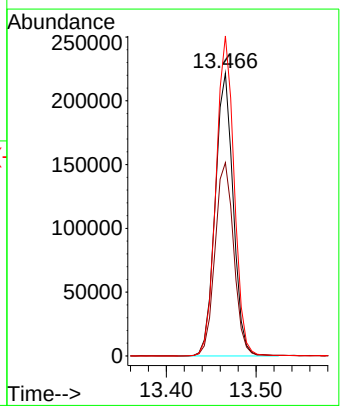


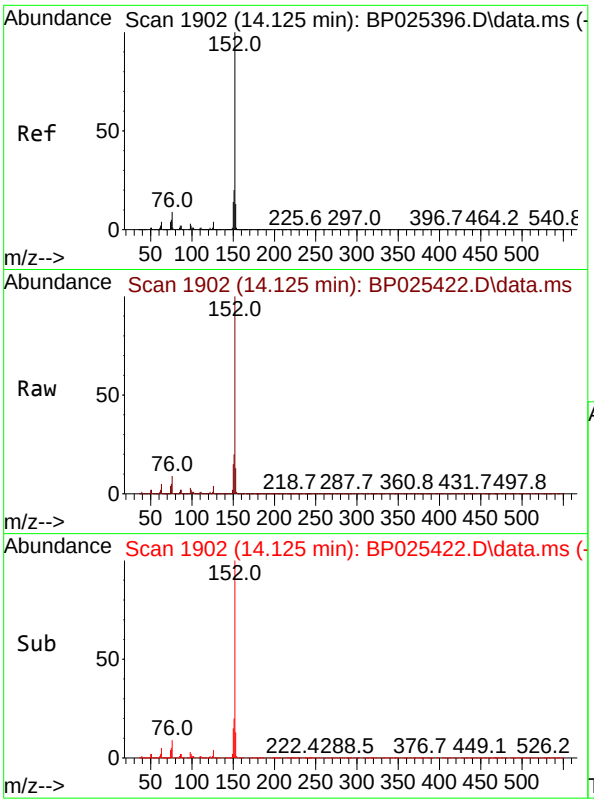


#48
2-Nitroaniline
Concen: 40.910 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion: 65 Resp: 308875

Ion	Ratio	Lower	Upper
65	100		
92	68.4	57.6	86.4
138	113.2	91.0	136.6



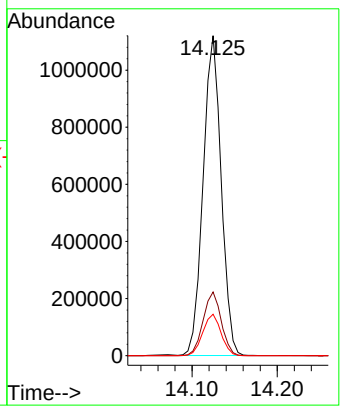


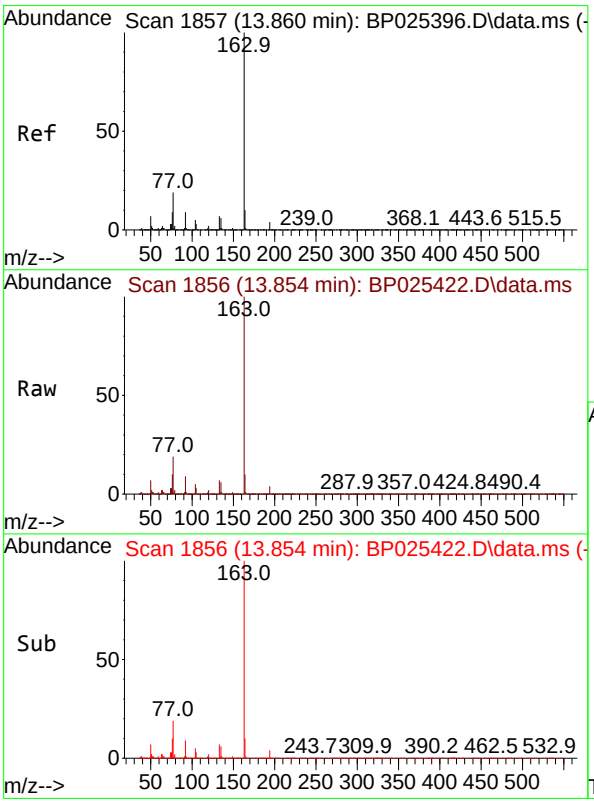
#49
Acenaphthylene
Concen: 38.457 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1648885

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.9	10.6	15.8

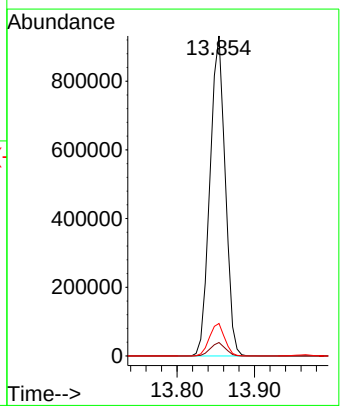


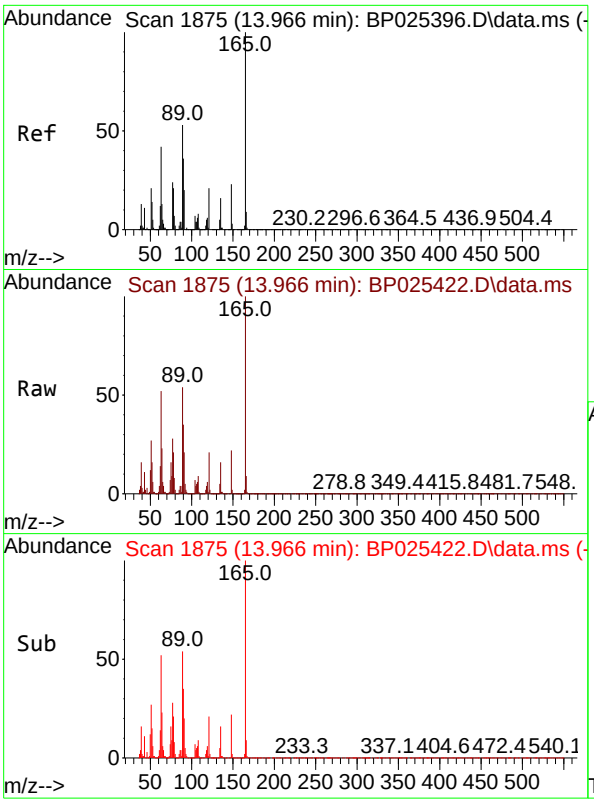


#50
Dimethylphthalate
Concen: 38.040 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:163 Resp: 1276659

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	7.9	11.9



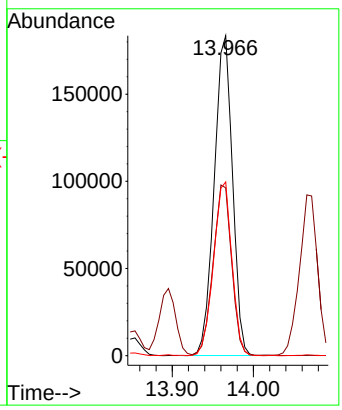


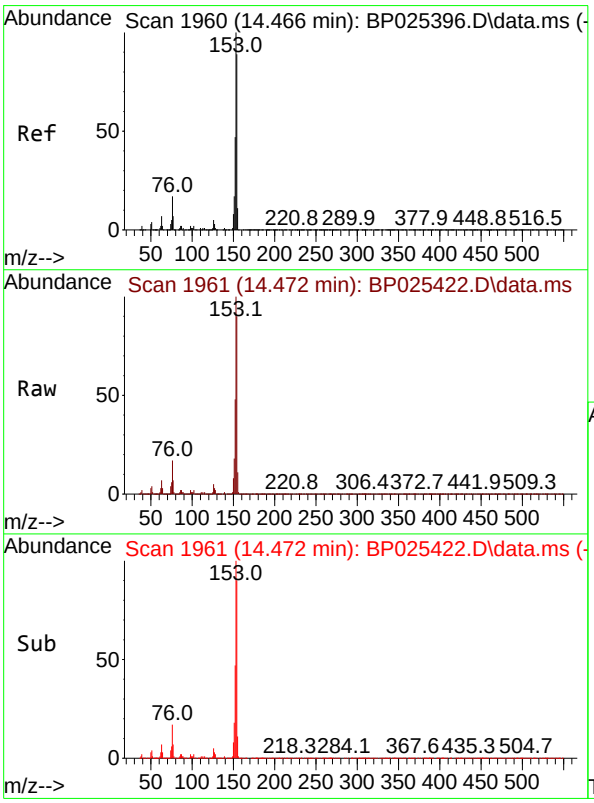
#51
2,6-Dinitrotoluene
Concen: 40.628 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 287385

Ion	Ratio	Lower	Upper
165	100		
63	52.5	40.9	61.3
89	54.3	42.1	63.1

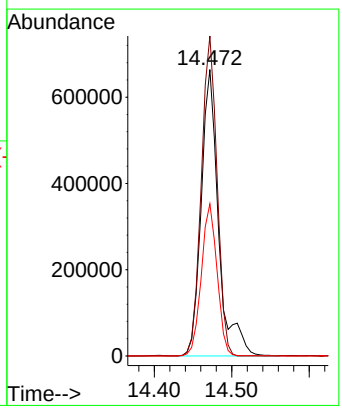


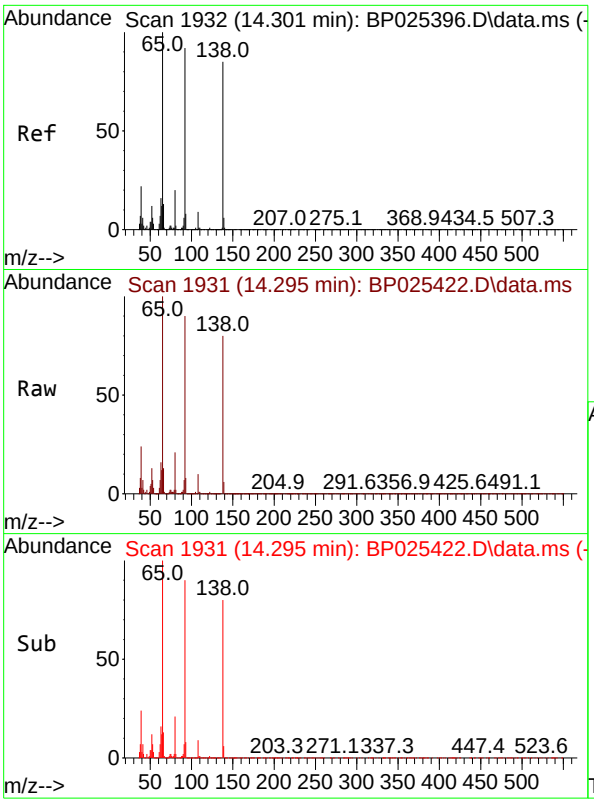


#52
Acenaphthene
Concen: 41.057 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:154 Resp: 1033308

Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.2	135.2
152	53.1	42.1	63.1



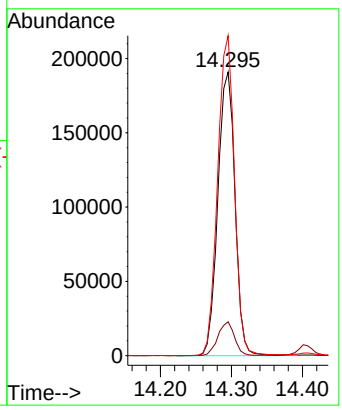


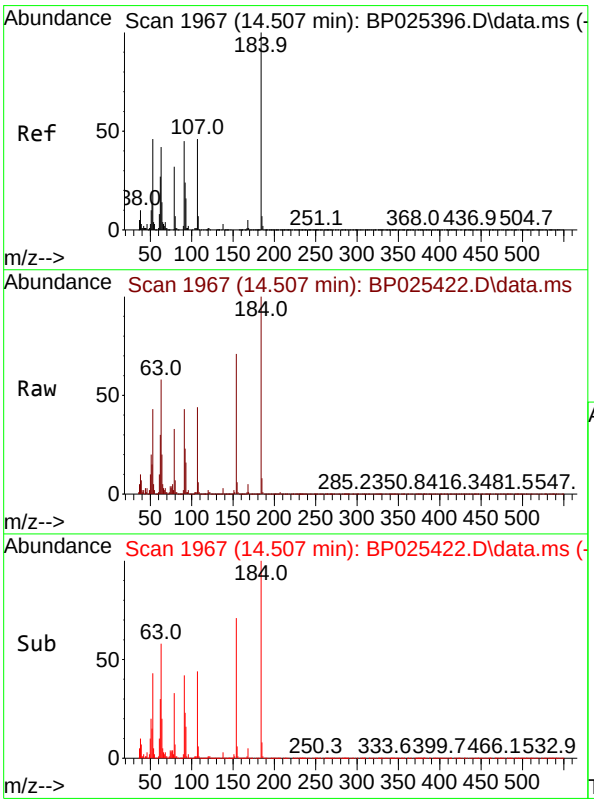
#53
3-Nitroaniline
Concen: 40.043 ng
RT: 14.295 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 318681

Ion	Ratio	Lower	Upper
138	100		
108	11.9	8.3	12.5
92	112.8	86.2	129.2

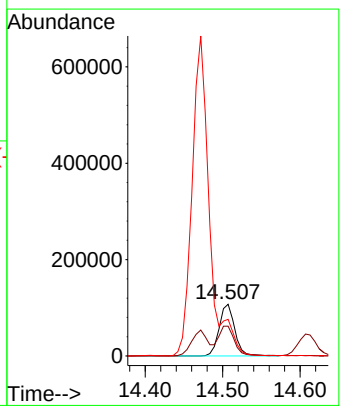


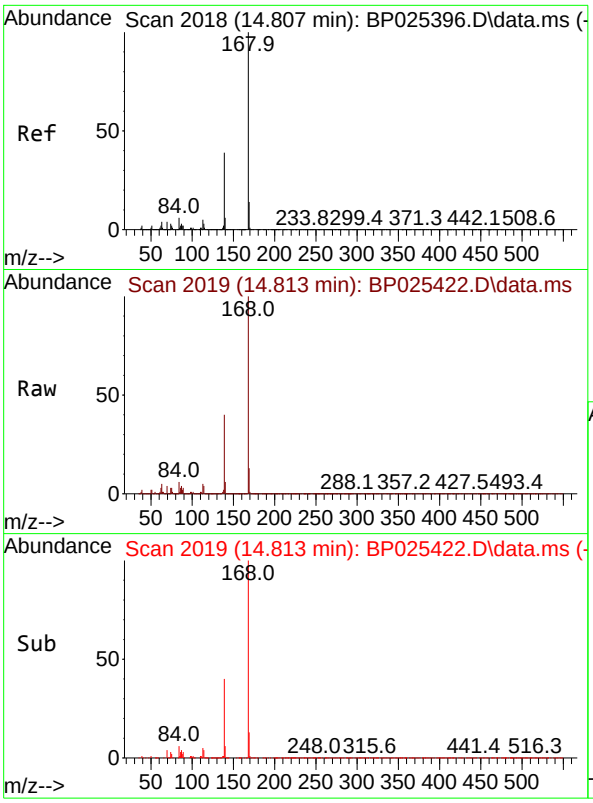


#54
2,4-Dinitrophenol
Concen: 39.794 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:184 Resp: 150322

Ion	Ratio	Lower	Upper
184	100		
63	57.7	49.4	74.2
154	70.9	54.6	82.0



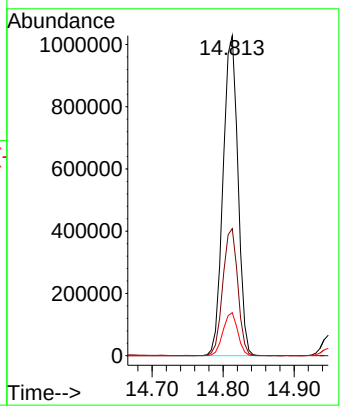


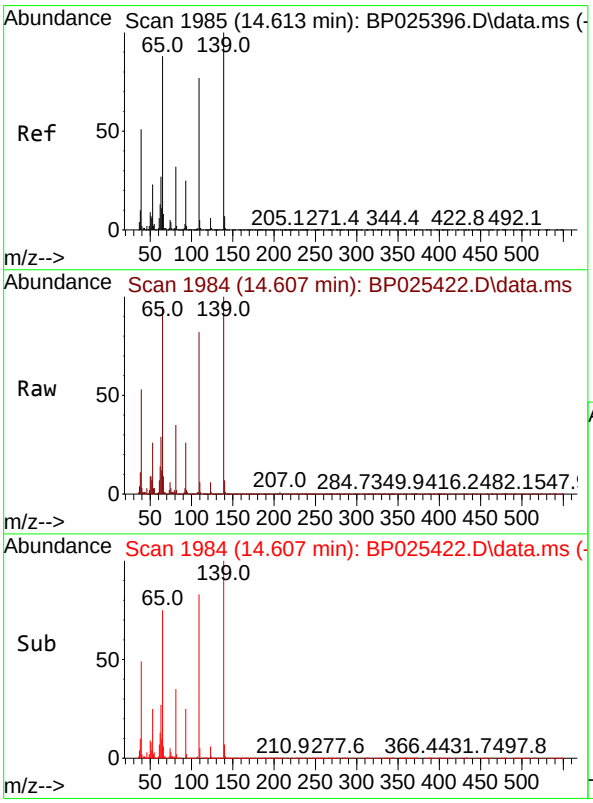
#55
Dibenzofuran
Concen: 37.495 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1491927

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.5	47.3
169	13.4	10.9	16.3

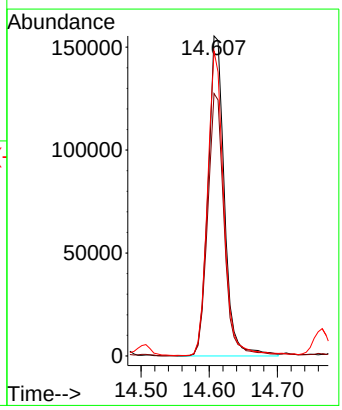


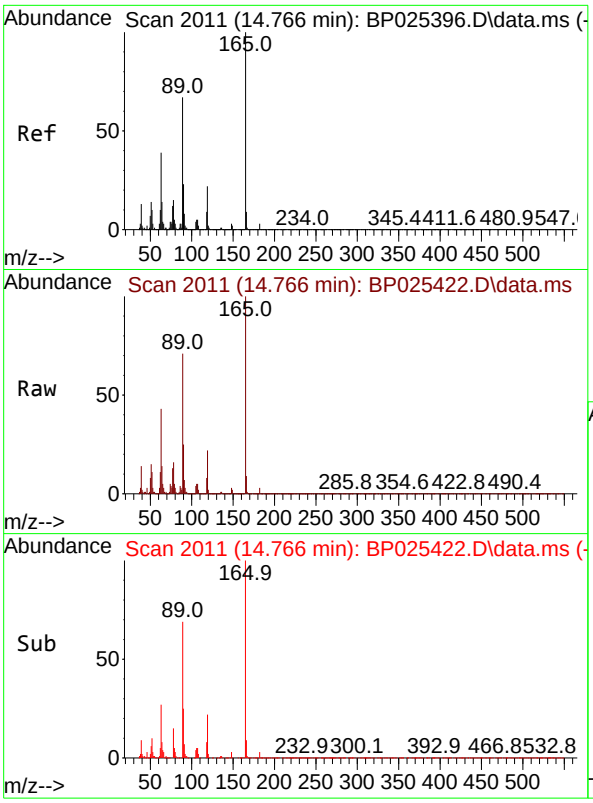


#56
4-Nitrophenol
Concen: 39.771 ng
RT: 14.607 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:139 Resp: 260098

Ion	Ratio	Lower	Upper
139	100		
109	82.0	56.6	96.6
65	95.2	68.2	108.2



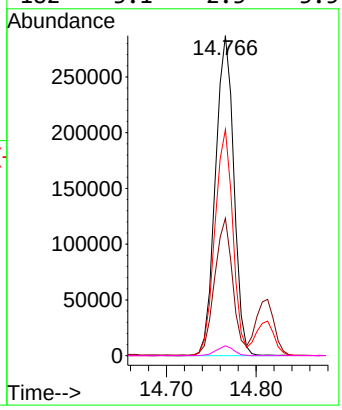


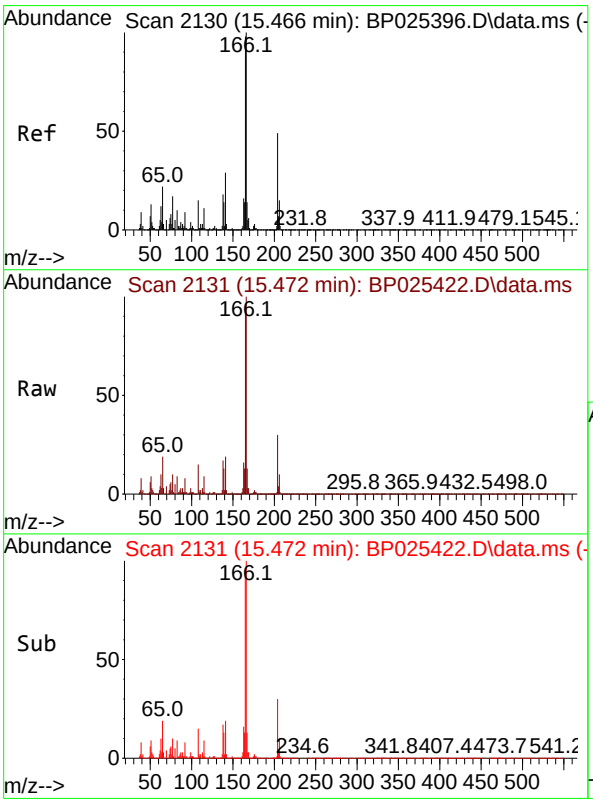
#57
2,4-Dinitrotoluene
Concen: 40.518 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 408919

Ion	Ratio	Lower	Upper
165	100		
63	43.0	31.4	47.2
89	70.7	53.3	79.9
182	3.1	2.3	3.5

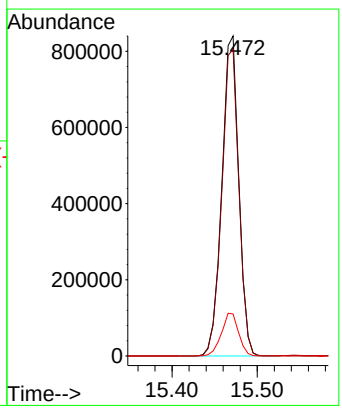


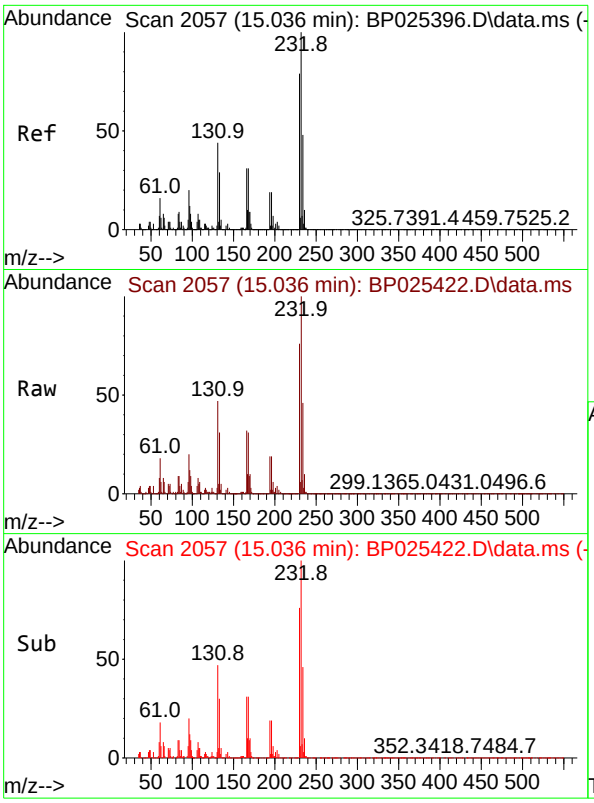


#58
Fluorene
Concen: 37.121 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:166 Resp: 1165482

Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	13.1	11.0	16.4



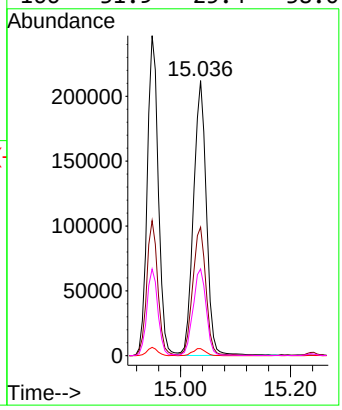


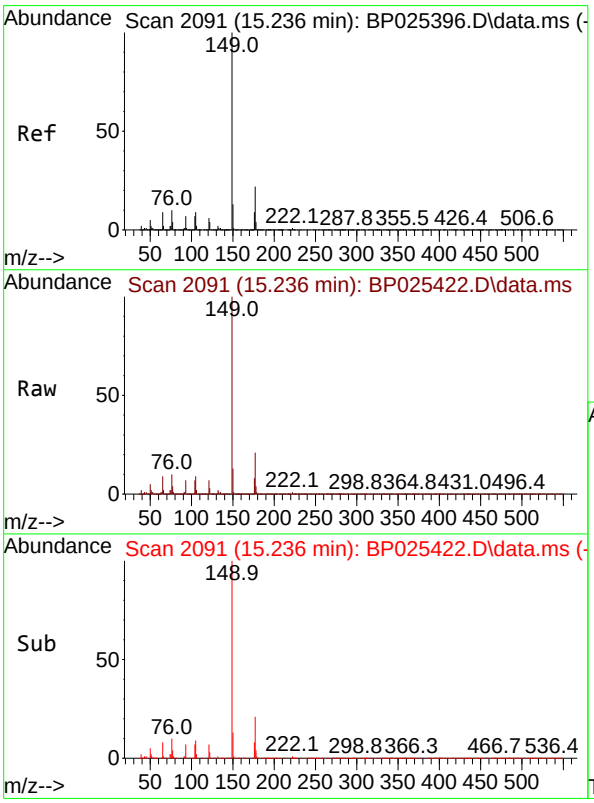
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 345273

Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.6
130	2.6	1.9	2.9
166	31.9	25.4	38.0

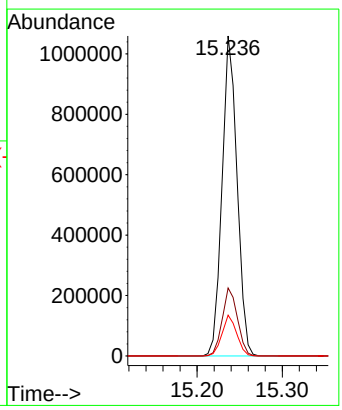


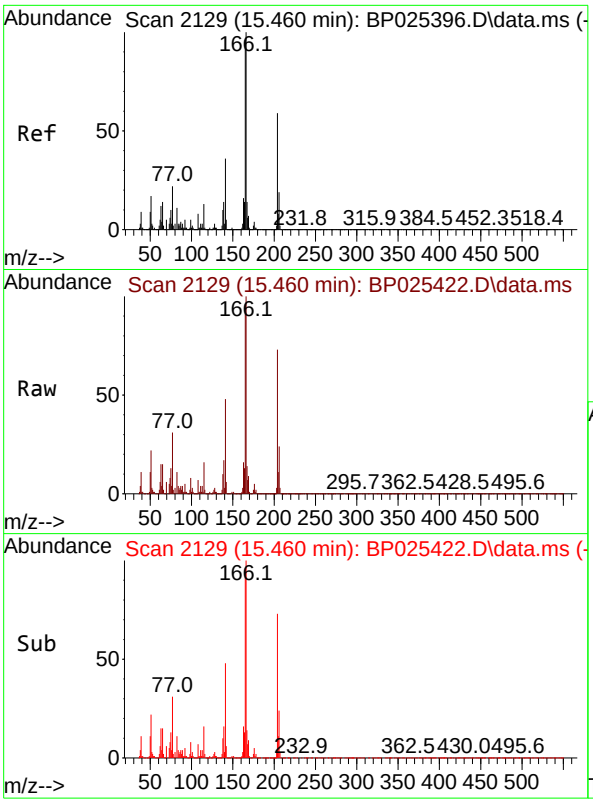


#60
Diethylphthalate
Concen: 38.058 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1297841

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.8	10.3	15.5



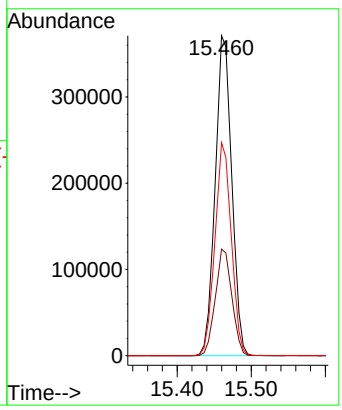


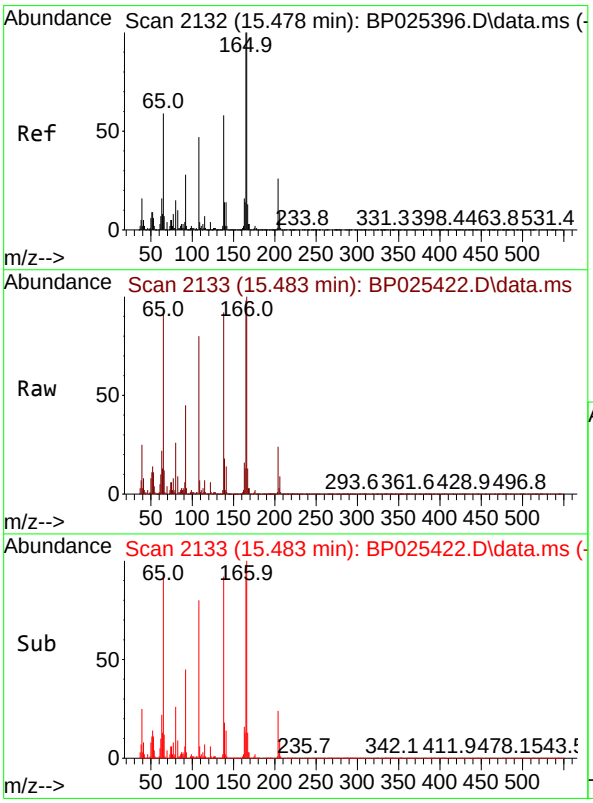
#61
4-Chlorophenyl-phenylether
Concen: 36.845 ng
RT: 15.460 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 575339

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.8
141	66.6	49.4	74.2

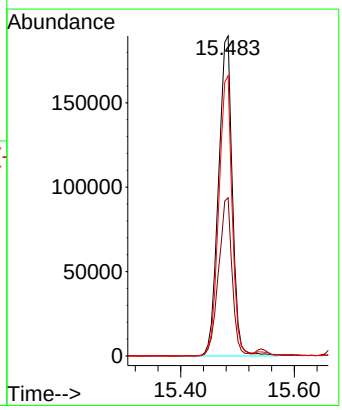


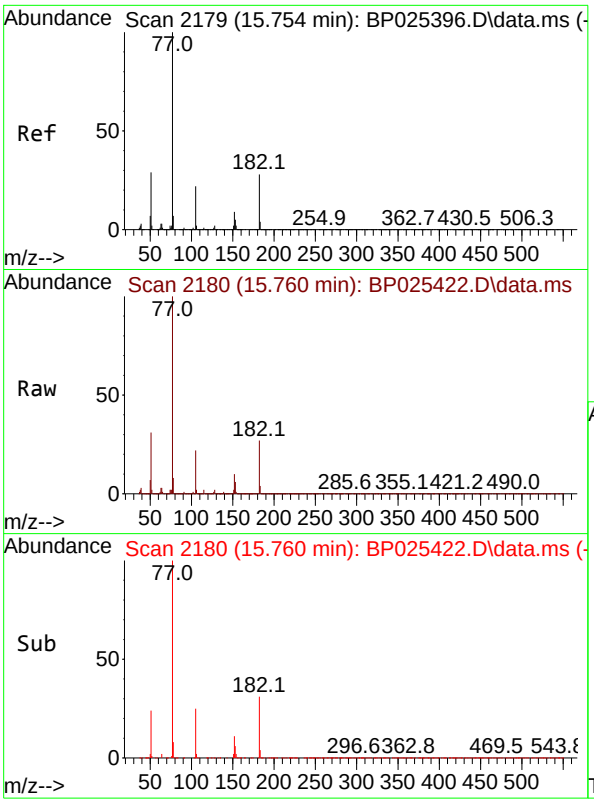


#62
4-Nitroaniline
Concen: 39.397 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:138 Resp: 321438

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.1	69.1
108	87.5	61.5	101.5



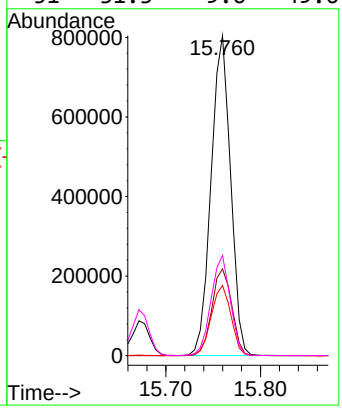


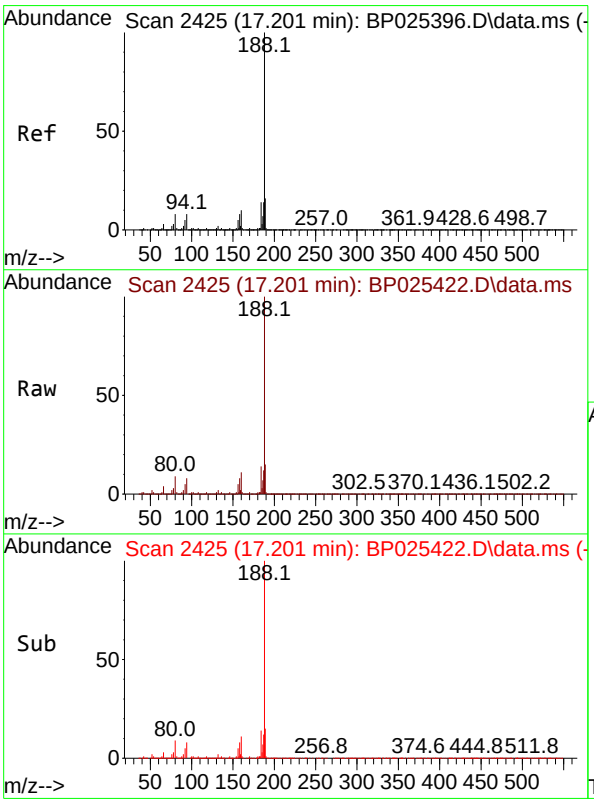
#63
Azobenzene
Concen: 39.282 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1147009

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.5	47.5
105	22.0	2.1	42.1
51	31.3	9.6	49.6

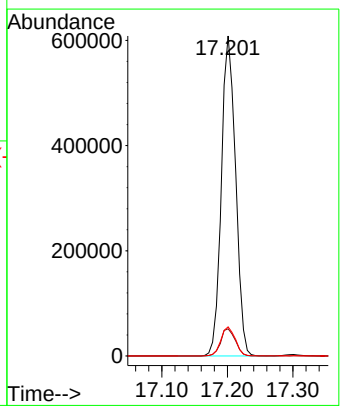


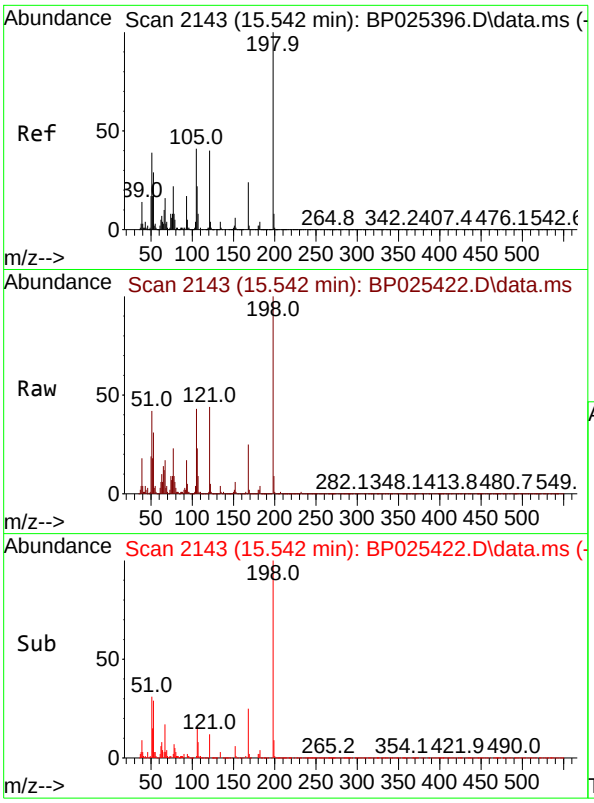


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:188 Resp: 913689

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	6.7	10.1



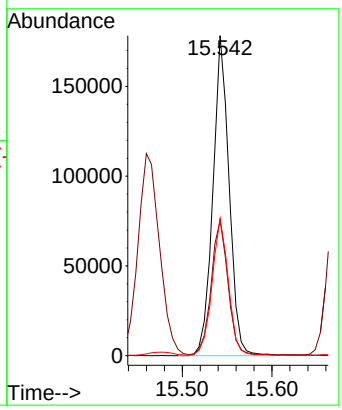


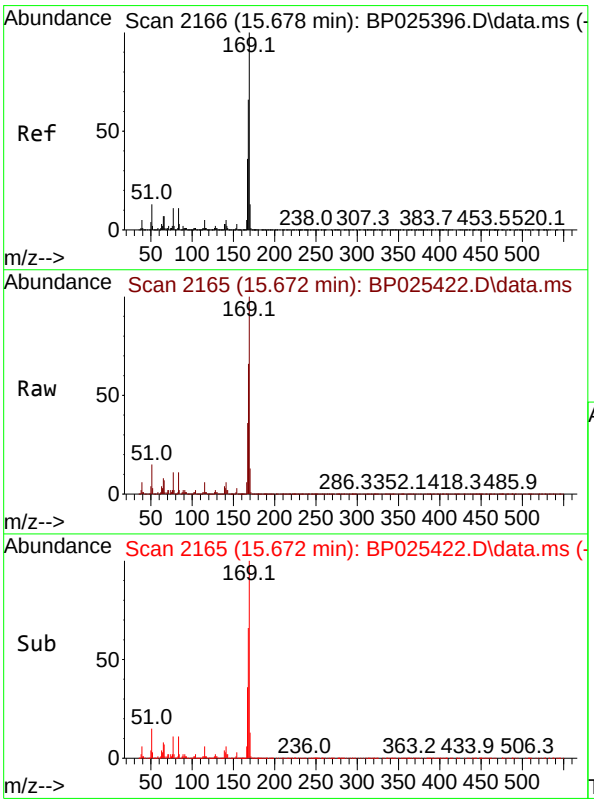
#65
4,6-Dinitro-2-methylphenol
Concen: 39.253 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 223566

Ion	Ratio	Lower	Upper
198	100		
51	42.4	19.6	59.6
105	42.9	20.9	60.9

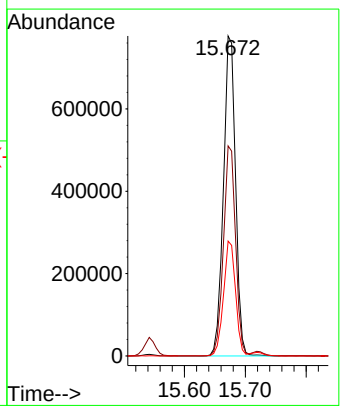


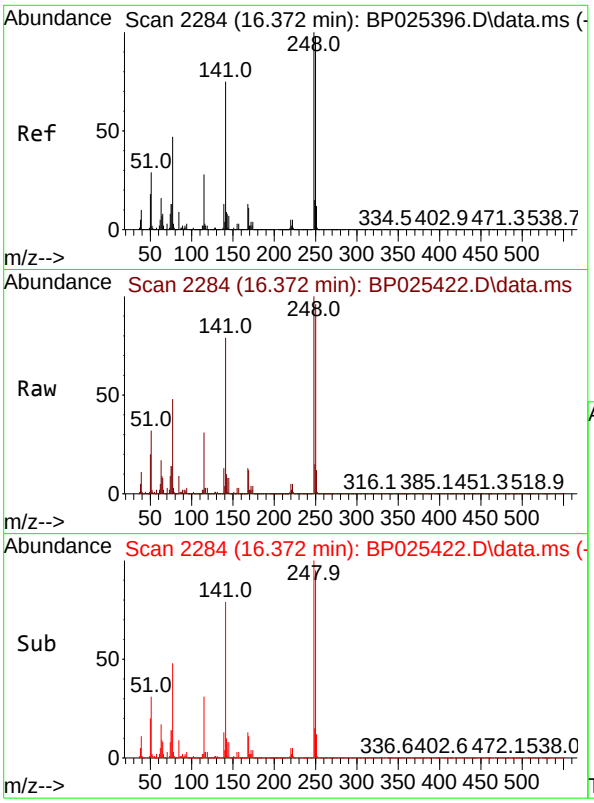


#66
n-Nitrosodiphenylamine
Concen: 38.519 ng
RT: 15.672 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:169 Resp: 1073233

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	35.9	28.7	43.1



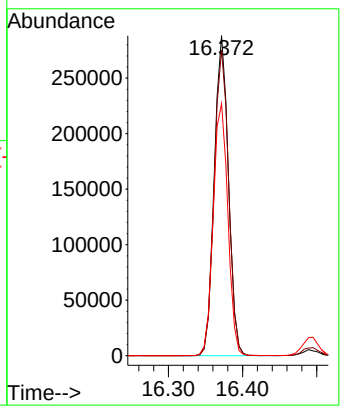


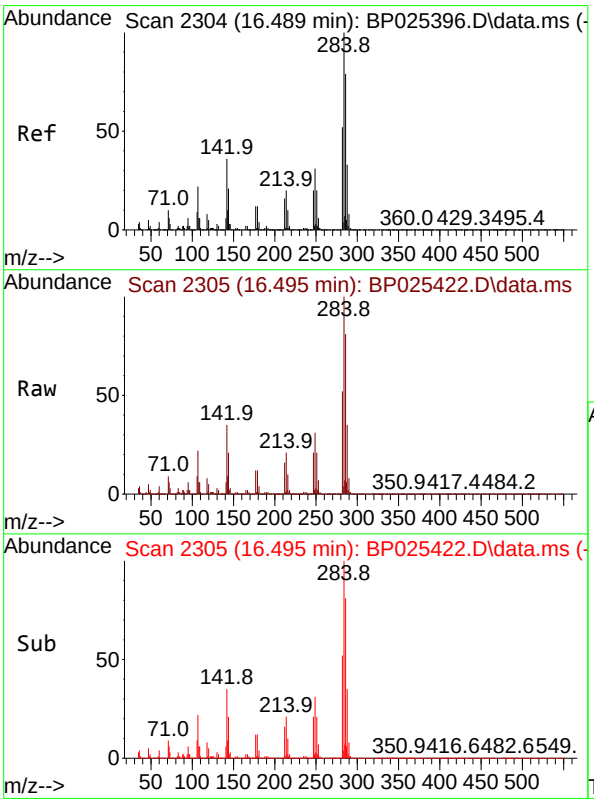
#67
4-Bromophenyl-phenylether
Concen: 38.195 ng
RT: 16.372 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 383814

Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.2	117.2
141	78.8	59.6	89.4

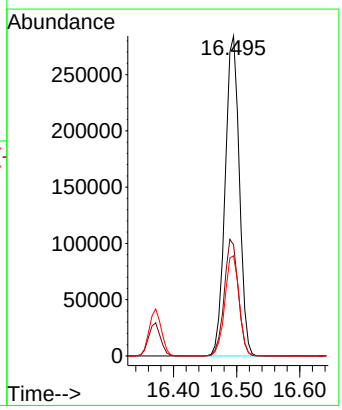


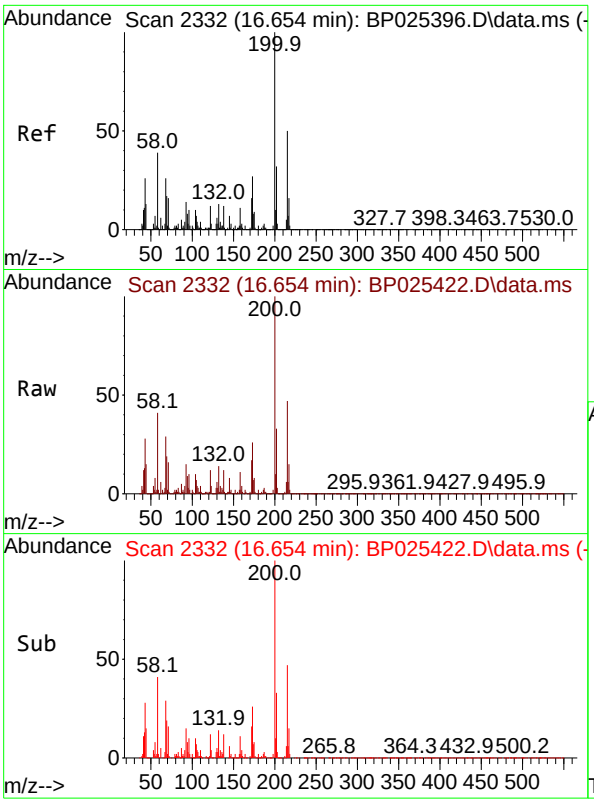


#68
Hexachlorobenzene
Concen: 37.966 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:284 Resp: 442250

Ion	Ratio	Lower	Upper
284	100		
142	34.8	29.1	43.7
249	31.3	25.0	37.4



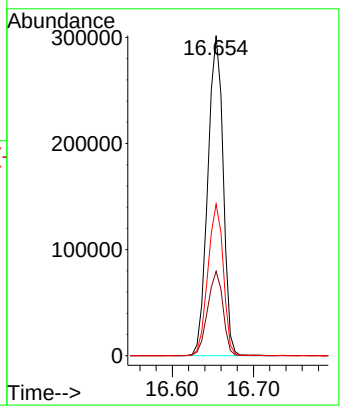


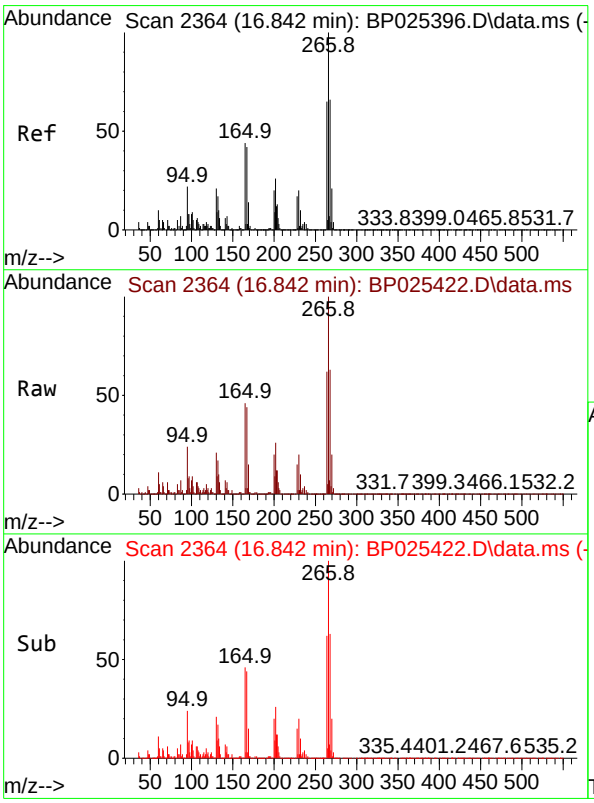
#69
Atrazine
Concen: 37.872 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 395168

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.7	46.7
215	47.3	29.7	69.7

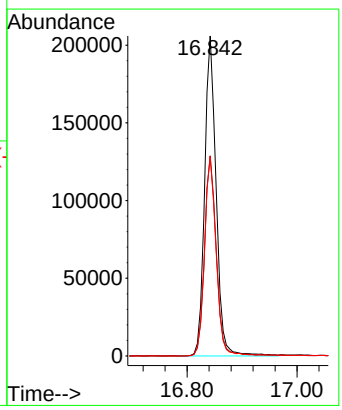


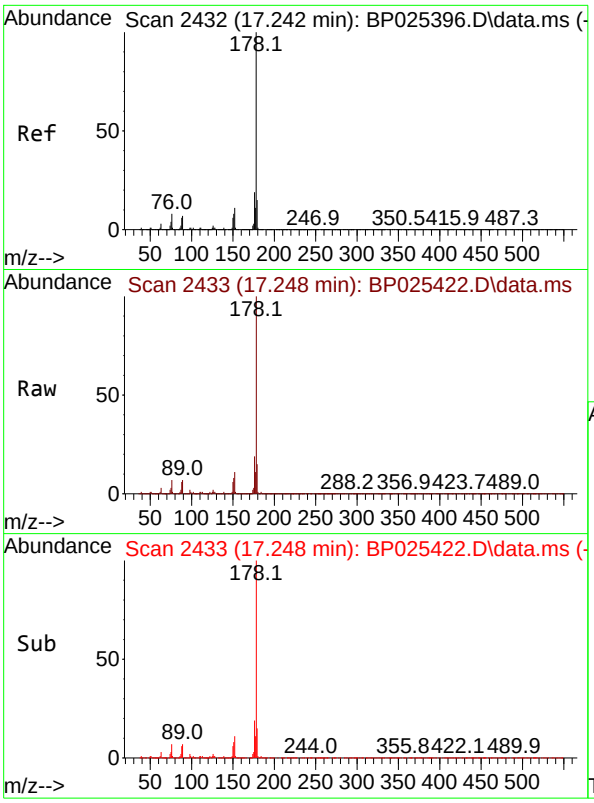


#70
Pentachlorophenol
Concen: 40.681 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:266 Resp: 299142

Ion	Ratio	Lower	Upper
266	100		
268	62.5	52.6	79.0
264	62.4	52.0	78.0



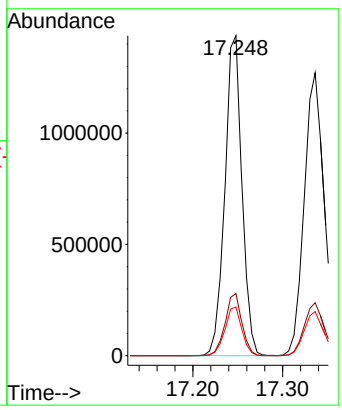


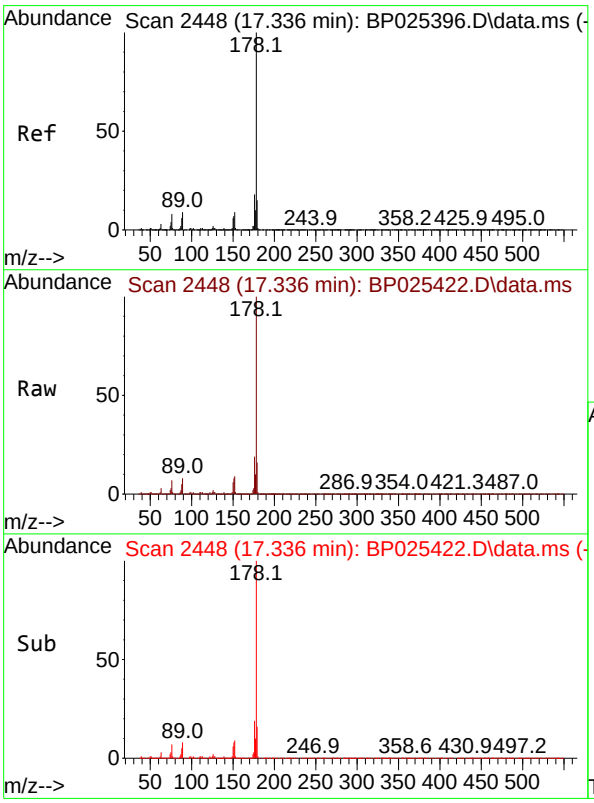
#71
Phenanthrene
Concen: 37.862 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1900372

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.2	12.2	18.4

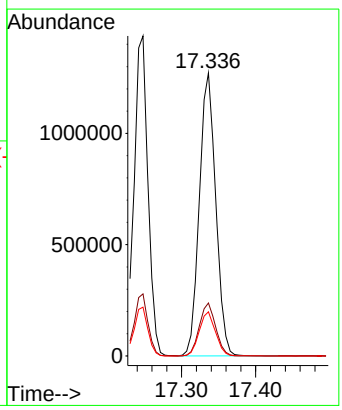


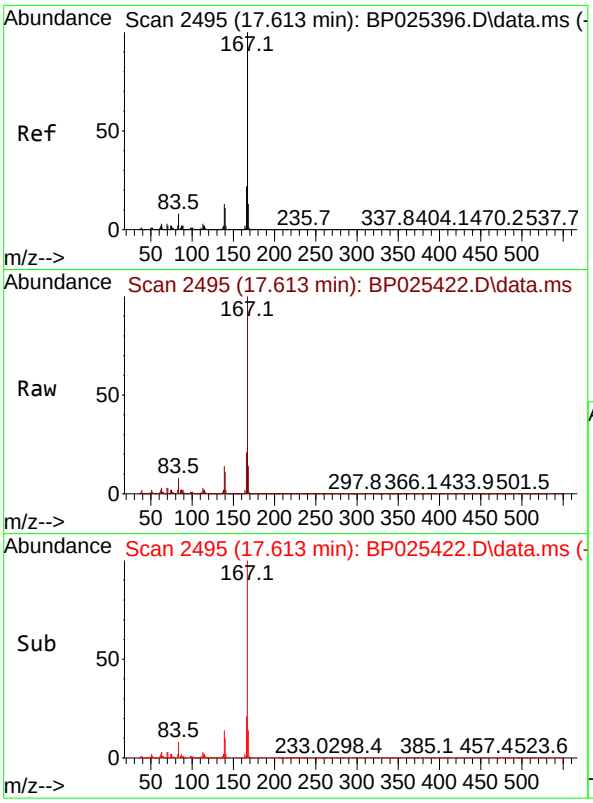


#72
Anthracene
Concen: 38.117 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:178 Resp: 1953735

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.2



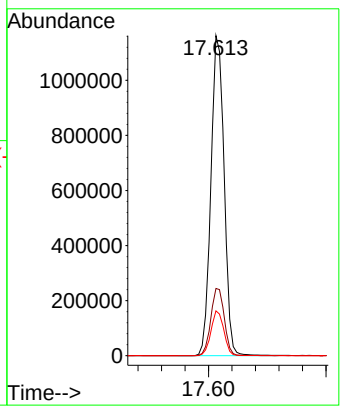


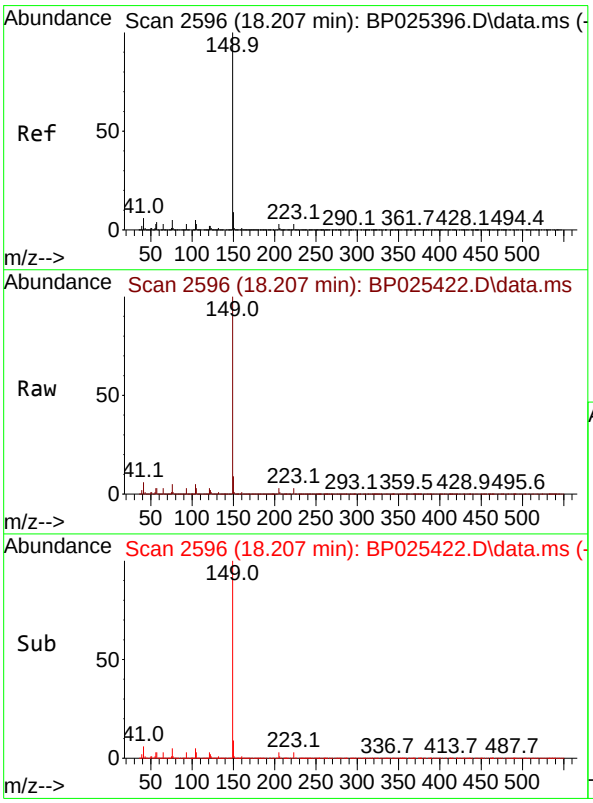
#73
Carbazole
Concen: 37.549 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1812820

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.5	26.3
139	14.0	10.6	16.0

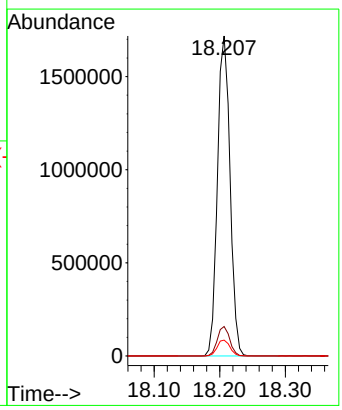


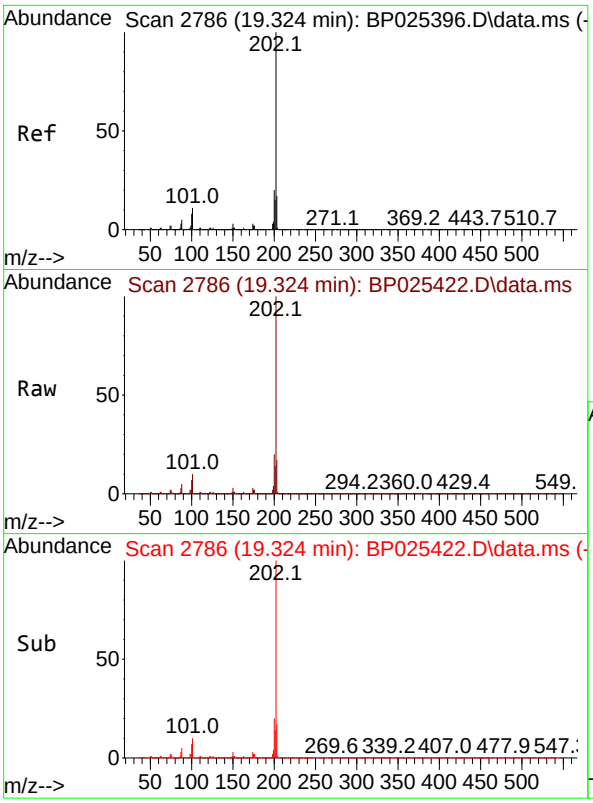


#74
Di-n-butylphthalate
Concen: 38.345 ng
RT: 18.207 min Scan# 2596
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 2277638

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.9	4.2	6.2



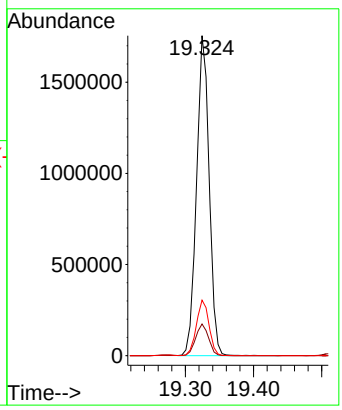


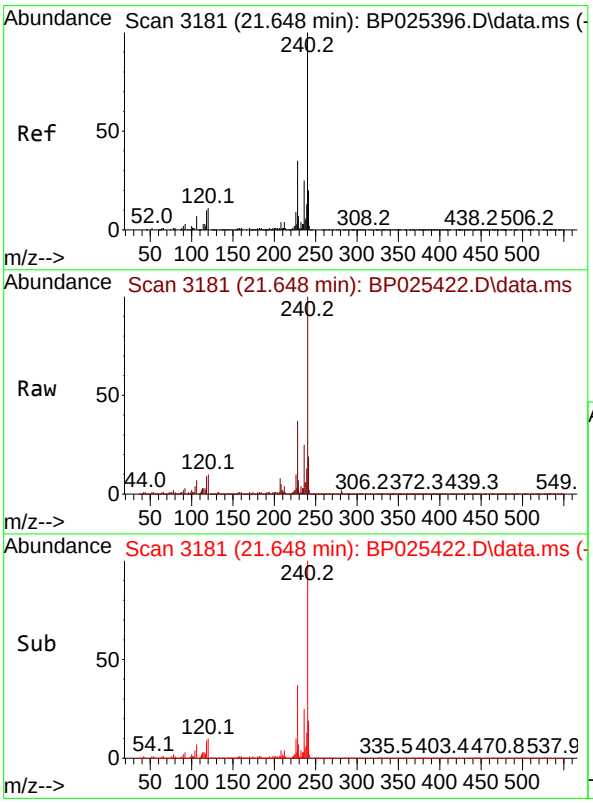
#75
Fluoranthene
Concen: 37.721 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2258336

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.1
203	17.4	0.0	37.3

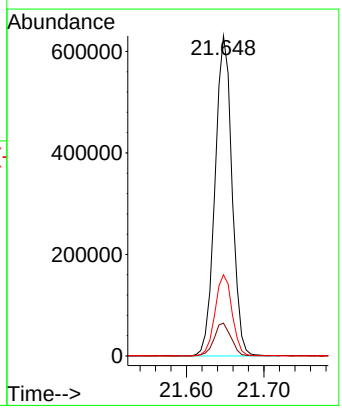


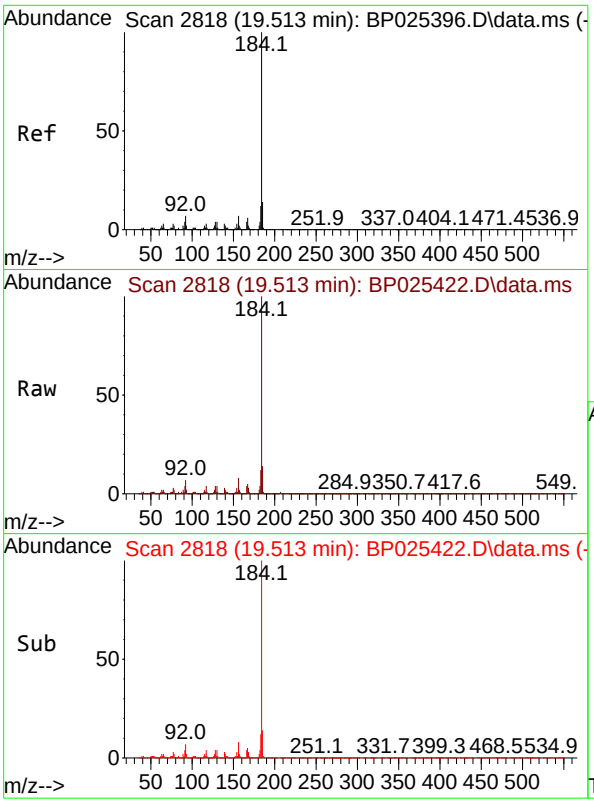


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:240 Resp: 958309

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.4	19.8	29.8



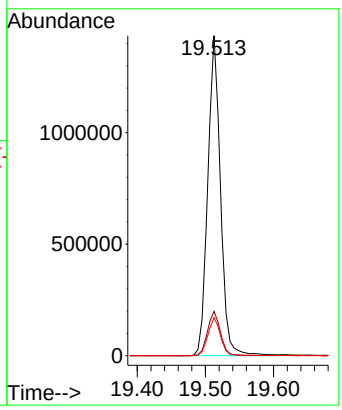


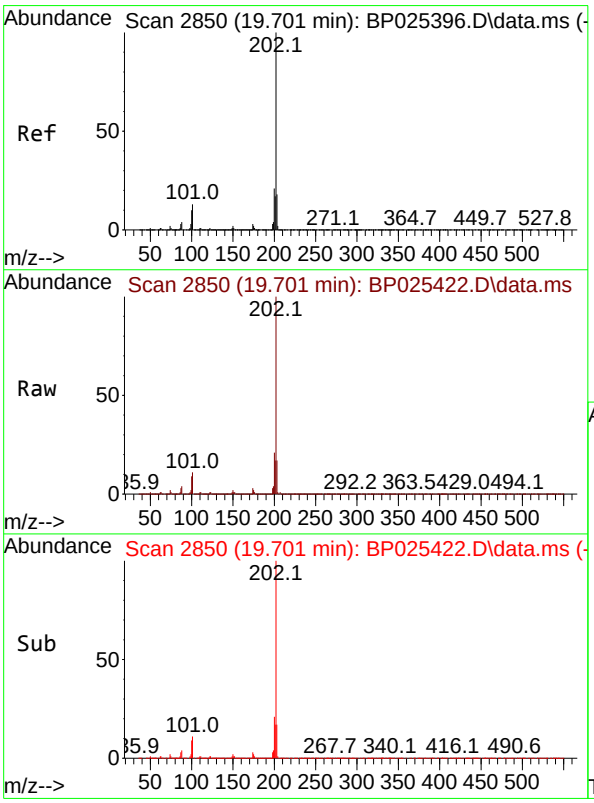
#77
Benzidine
Concen: 56.911 ng
RT: 19.513 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1861268

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.9	9.4	14.2

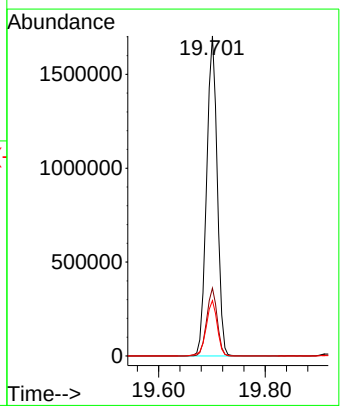


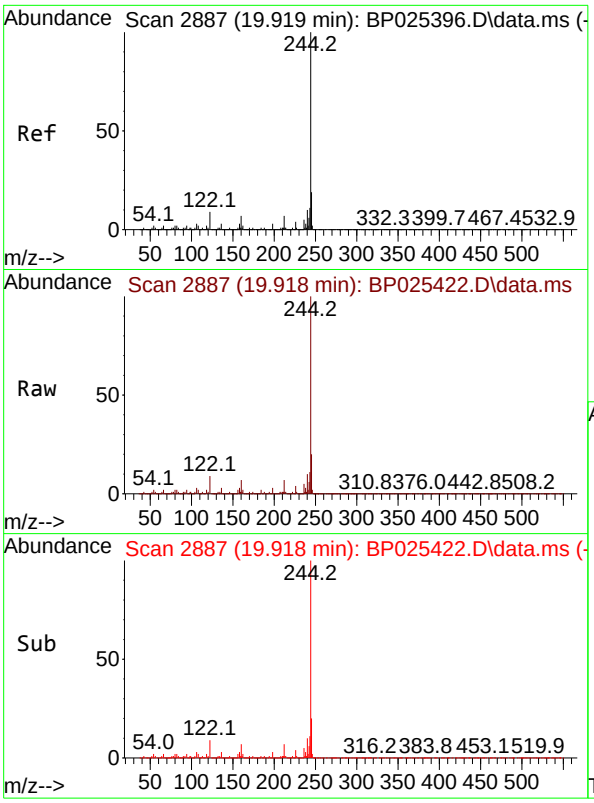


#78
Pyrene
Concen: 37.884 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:202 Resp: 2359709

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.3	14.2	21.2



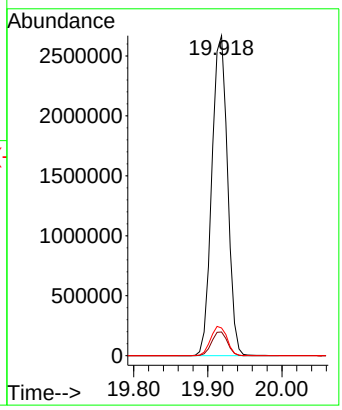


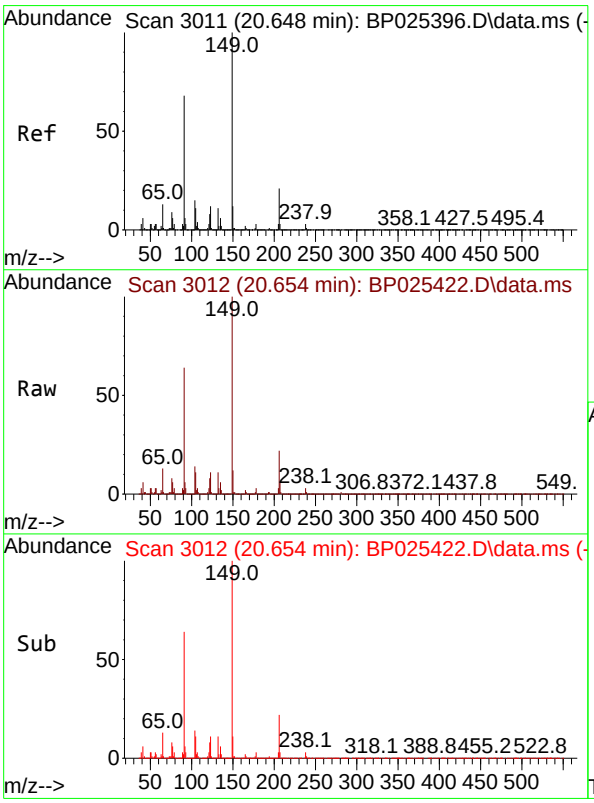
#79
Terphenyl-d14
Concen: 75.070 ng
RT: 19.918 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3932091

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.7	7.4	11.2

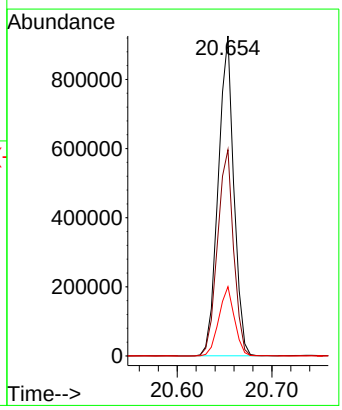


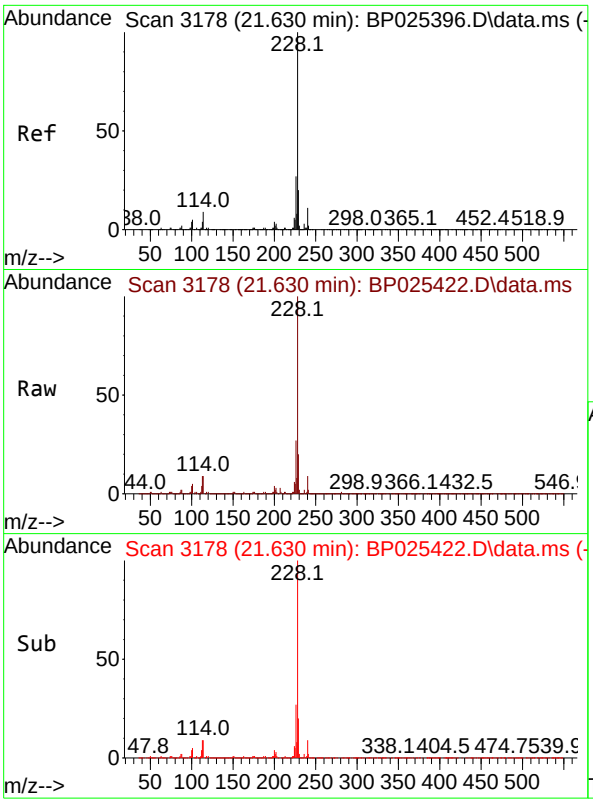


#80
Butylbenzylphthalate
Concen: 37.699 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1064206

Ion	Ratio	Lower	Upper
149	100		
91	64.5	54.2	81.2
206	21.7	16.6	24.8



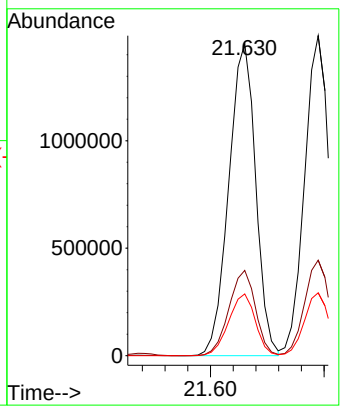


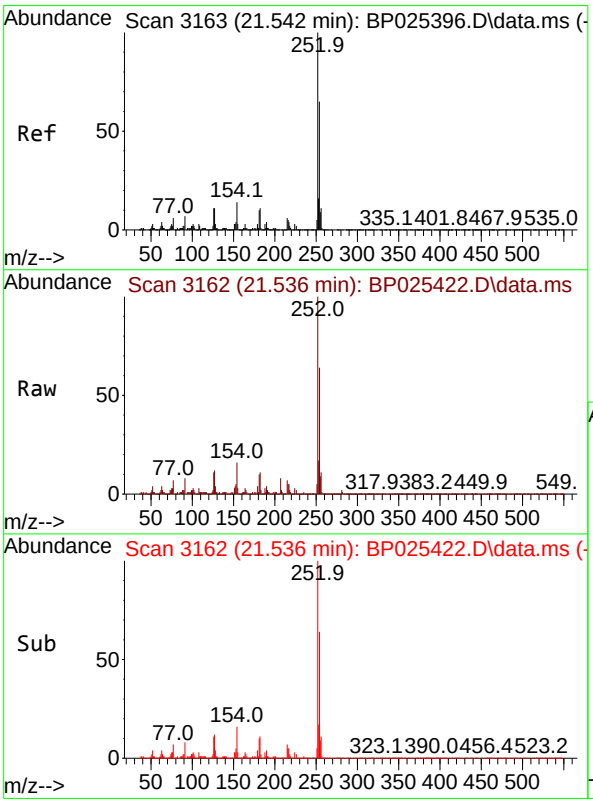
#81
Benzo(a)anthracene
Concen: 37.816 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2390024

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.8	15.6	23.4

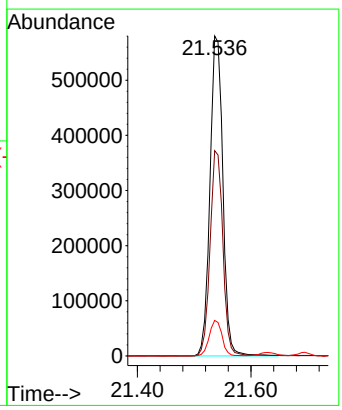


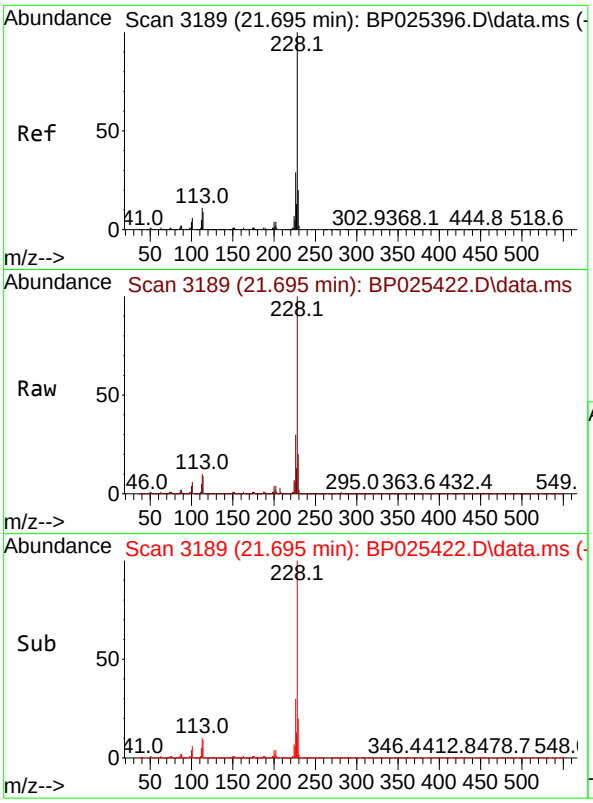


#82
3,3'-Dichlorobenzidine
Concen: 38.057 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 906596

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	11.1	9.1	13.7



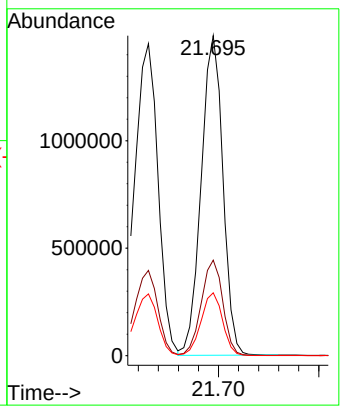


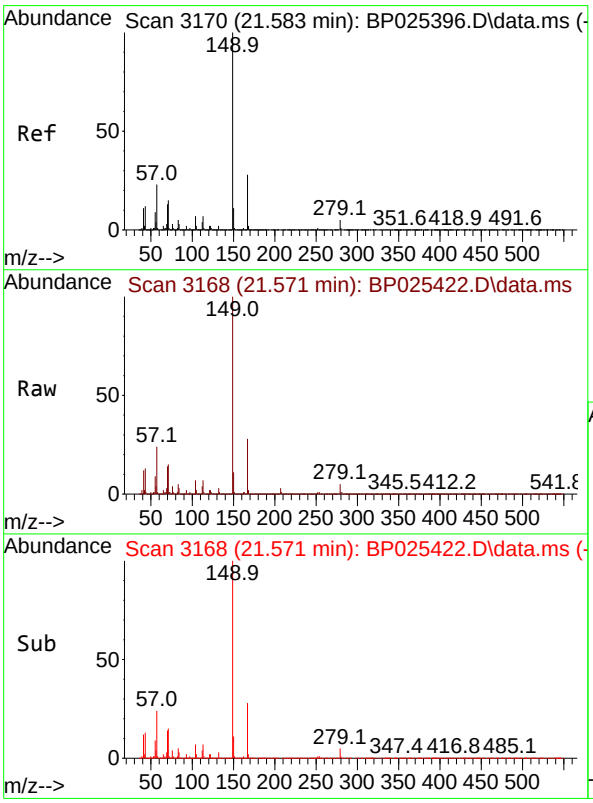
#83
Chrysene
Concen: 37.876 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2241792

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	19.7	15.6	23.4

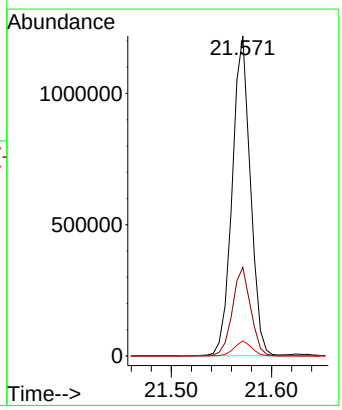


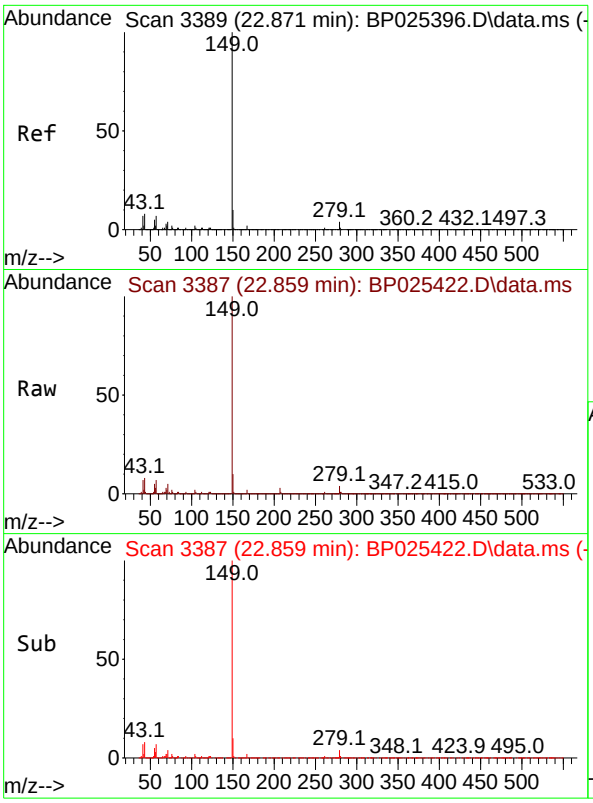


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.052 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:149 Resp: 1539693

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.7	3.8	5.6



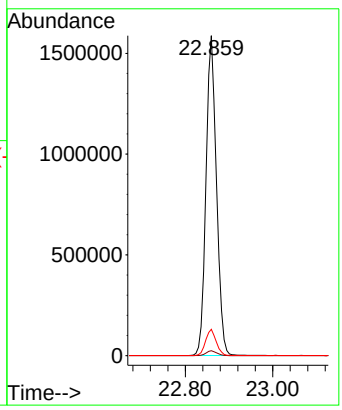


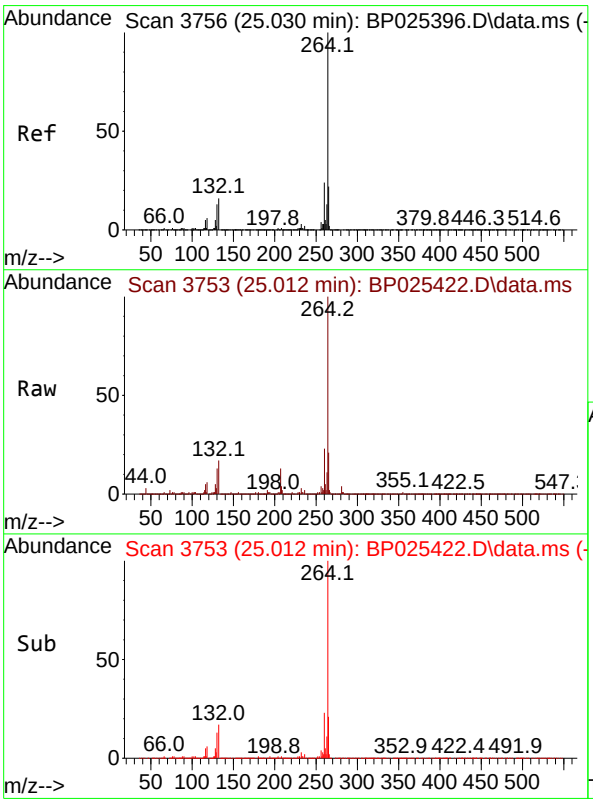
#85
Di-n-octyl phthalate
Concen: 37.018 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2645927

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5

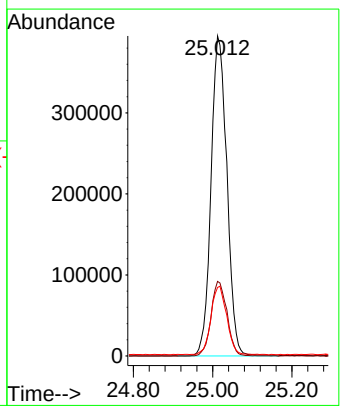


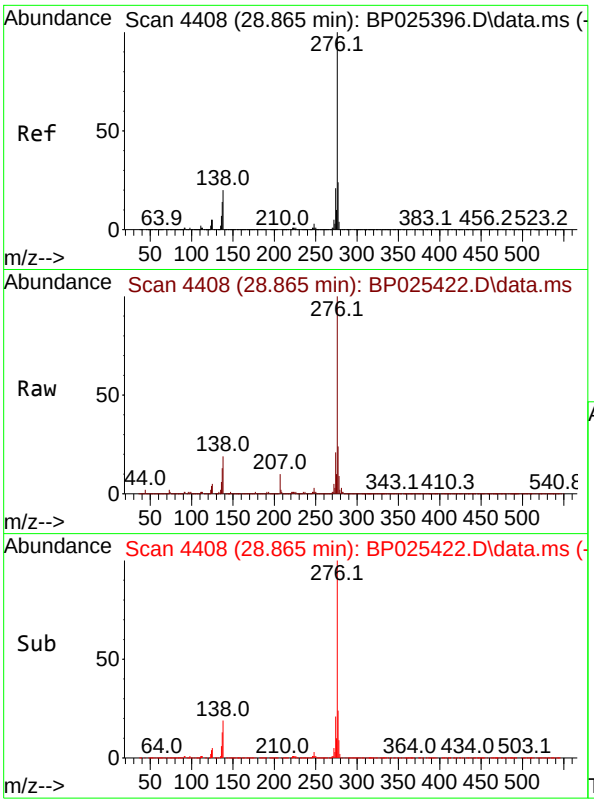


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:264 Resp: 1096861

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	21.4	17.4	26.0



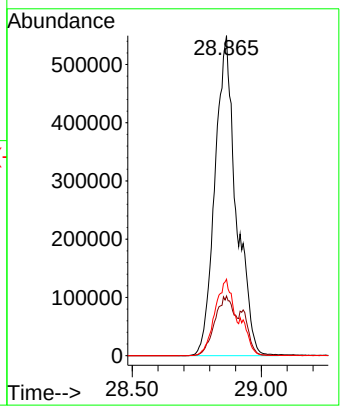


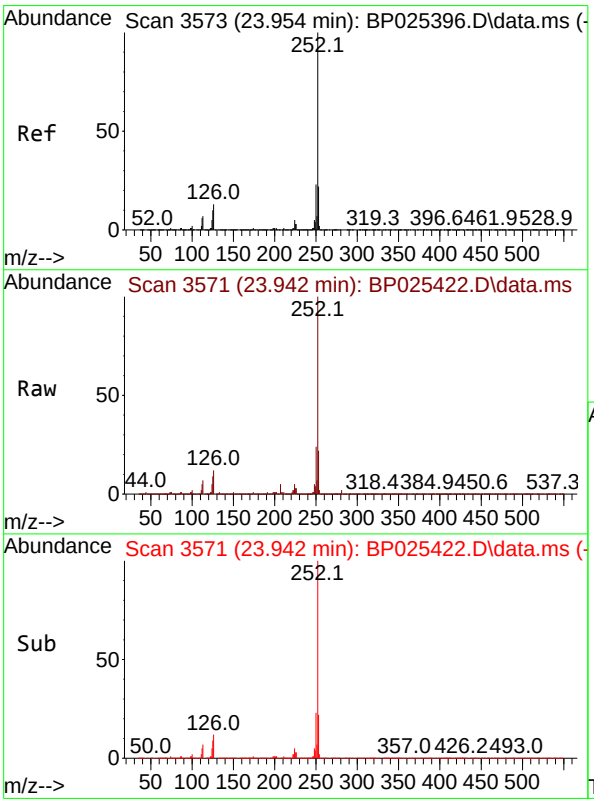
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.082 ng
RT: 28.865 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3143696

Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.9	19.3
277	21.0	17.0	25.6

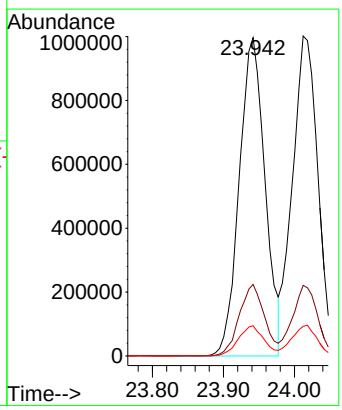


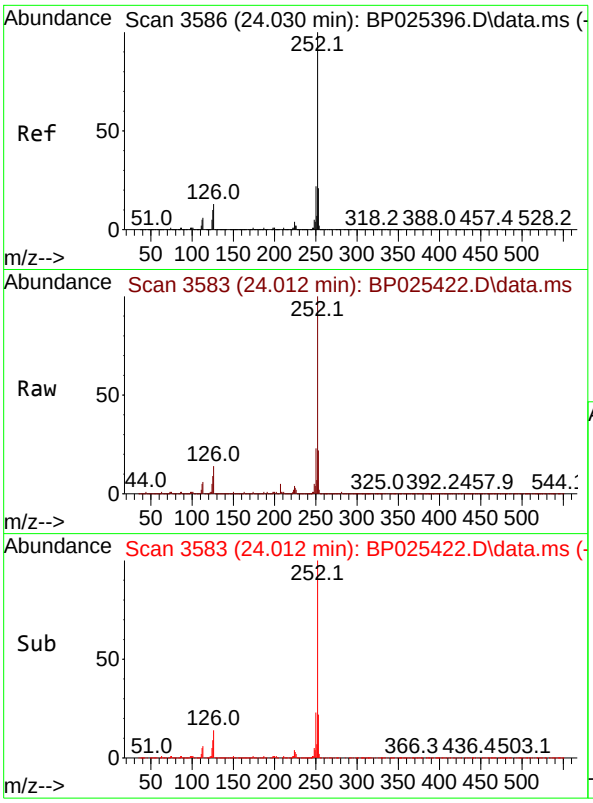


#88
Benzo(b)fluoranthene
Concen: 38.843 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2512340

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.5	7.9	11.9



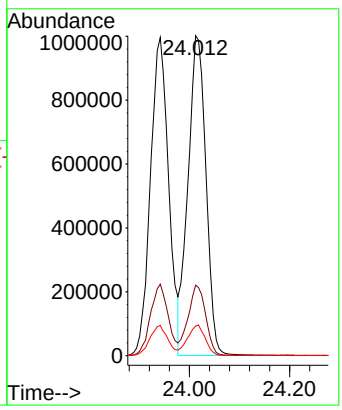


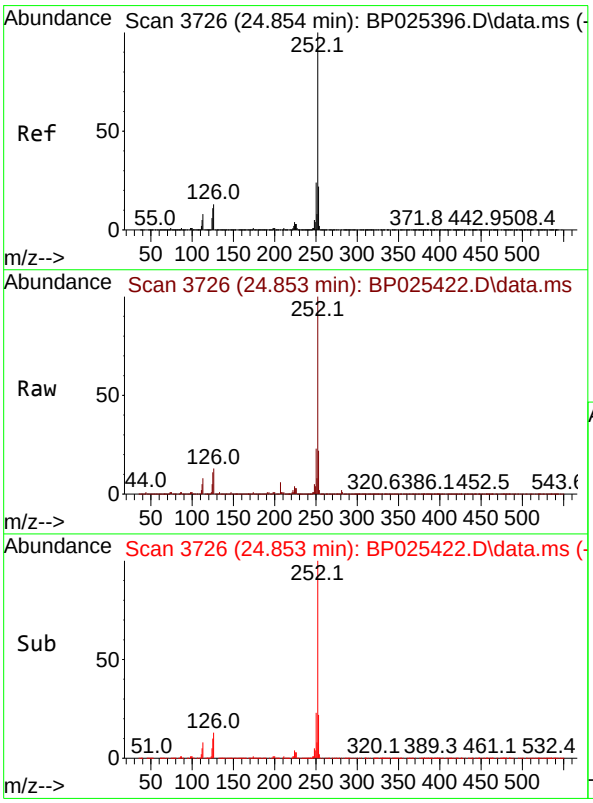
#89
Benzo(k)fluoranthene
Concen: 38.446 ng
RT: 24.012 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2488345

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.3	7.8	11.6

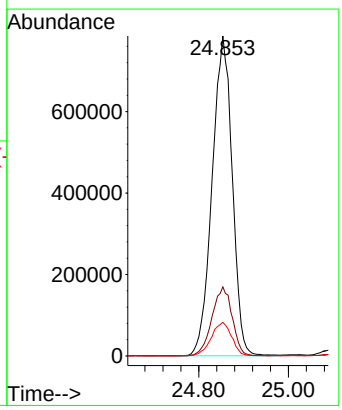


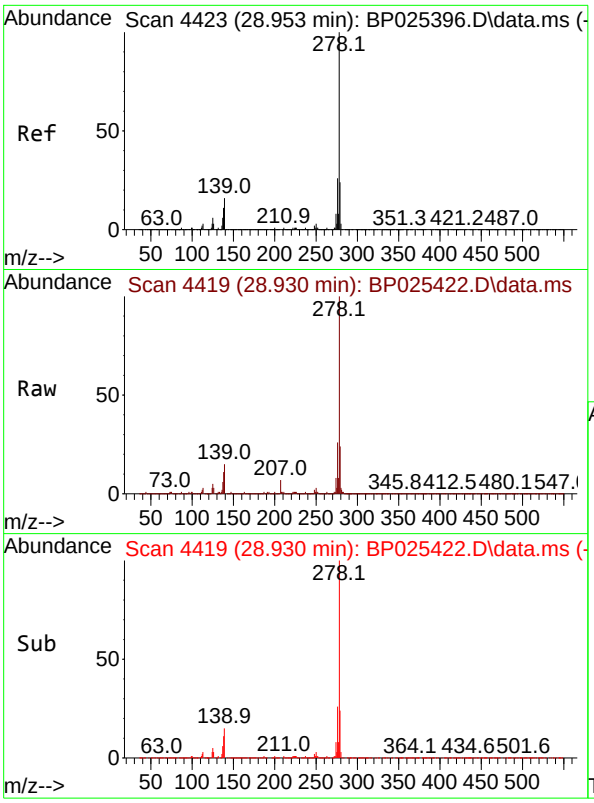


#90
Benzo(a)pyrene
Concen: 38.805 ng
RT: 24.853 min Scan# 3726
Delta R.T. -0.000 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:252 Resp: 2443181

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.5	8.7	13.1



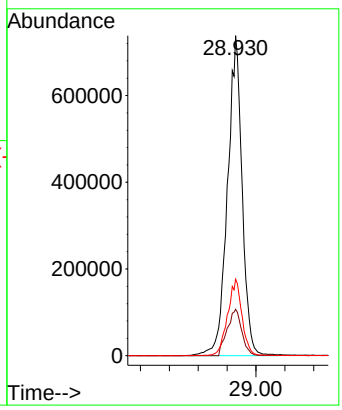


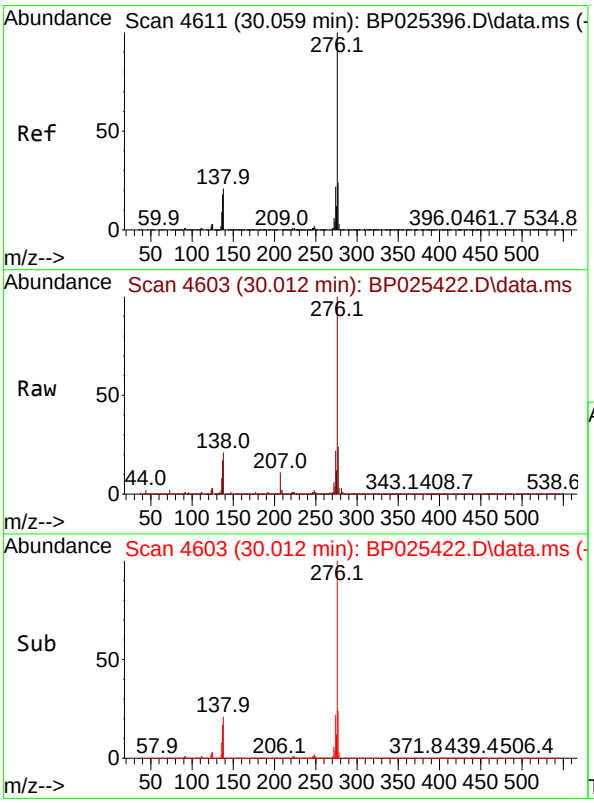
#91
Dibenzo(a,h)anthracene
Concen: 39.482 ng
RT: 28.930 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2595384

Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.0	19.4
279	23.9	19.4	29.2

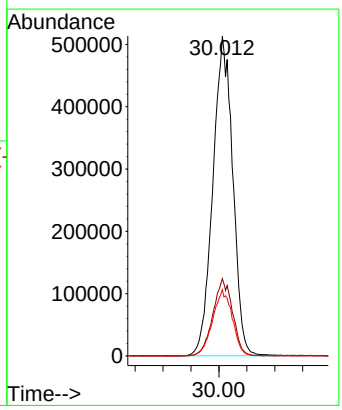




#92
Benzo(g,h,i)perylene
Concen: 39.255 ng
RT: 30.012 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BP025422.D
Acq: 15 Aug 2025 10:36

Tgt Ion:276 Resp: 2536518

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	20.7	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	166135	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	710479	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	456766	20.000	ng		0.00
64) Phenanthrene-d10	17.195	188	916670	20.000	ng		0.00
76) Chrysene-d12	21.630	240	933454	20.000	ng		-0.02
86) Perylene-d12	24.989	264	1056853	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	862200	86.186	ng		0.00
7) Phenol-d6	6.967	99	1135967	88.568	ng		0.00
23) Nitrobenzene-d5	8.931	82	1224664	87.195	ng		0.00
42) 2,4,6-Tribromophenol	15.907	330	544037	88.488	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	2790655	83.499	ng		0.00
79) Terphenyl-d14	19.913	244	4367516	85.603	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	160658	41.000	ng		98
3) Pyridine	3.725	79	439304	40.960	ng		94
4) n-Nitrosodimethylamine	3.637	42	200626	45.373	ng		96
6) Aniline	7.125	93	757650	43.843	ng		99
8) 2-Chlorophenol	7.367	128	495342	43.878	ng		99
9) Benzaldehyde	6.937	77	437036	48.635	ng		98
10) Phenol	6.996	94	590307	43.862	ng		98
11) bis(2-Chloroethyl)ether	7.214	93	453562	43.239	ng		99
12) 1,3-Dichlorobenzene	7.684	146	543009	43.622	ng		99
13) 1,4-Dichlorobenzene	7.825	146	546465	42.950	ng		99
14) 1,2-Dichlorobenzene	8.137	146	530443	43.069	ng		97
15) Benzyl Alcohol	8.025	79	454736	44.621	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.308	45	634562	45.158	ng		99
17) 2-Methylphenol	8.219	107	414498	44.345	ng		98
18) Hexachloroethane	8.861	117	206177	44.074	ng		96
19) n-Nitroso-di-n-propyla...	8.584	70	368678	43.396	ng		98
20) 3+4-Methylphenols	8.543	107	564553	43.573	ng		97
22) Acetophenone	8.596	105	762747	42.809	ng	#	98
24) Nitrobenzene	8.972	77	551258	43.917	ng		100
25) Isophorone	9.496	82	1033357	41.573	ng		98
26) 2-Nitrophenol	9.672	139	283328	43.982	ng		100
27) 2,4-Dimethylphenol	9.737	122	481271	43.443	ng		98
28) bis(2-Chloroethoxy)met...	9.966	93	637027	42.398	ng		99
29) 2,4-Dichlorophenol	10.208	162	486914	44.245	ng		99
30) 1,2,4-Trichlorobenzene	10.425	180	515873	42.762	ng		98
31) Naphthalene	10.613	128	1558976	42.217	ng		99
32) Benzoic acid	9.878	122	346284	42.339	ng		94
33) 4-Chloroaniline	10.713	127	693770	42.532	ng		99
34) Hexachlorobutadiene	10.902	225	326490	43.456	ng		99
35) Caprolactam	11.496	113	167685	41.554	ng		98
36) 4-Chloro-3-methylphenol	11.831	107	539188	42.698	ng		96
37) 2-Methylnaphthalene	12.207	142	1008537	41.968	ng		98
38) 1-Methylnaphthalene	12.431	142	1057345	41.373	ng		100
40) 1,2,4,5-Tetrachloroben...	12.584	216	577904	43.807	ng		99
41) Hexachlorocyclopentadiene	12.566	237	295524	37.087	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	398621	44.759	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	440218	45.101	ng	99
46) 1,1'-Biphenyl	13.225	154	1452635	43.790	ng	99
47) 2-Chloronaphthalene	13.272	162	1120958	43.406	ng	98
48) 2-Nitroaniline	13.466	65	348676	46.337	ng	98
49) Acenaphthylene	14.119	152	1830675	42.840	ng	100
50) Dimethylphthalate	13.849	163	1455084	43.502	ng	99
51) 2,6-Dinitrotoluene	13.972	165	318483	45.175	ng	98
52) Acenaphthene	14.460	154	1067358	42.553	ng	99
53) 3-Nitroaniline	14.296	138	356395	44.932	ng	99
54) 2,4-Dinitrophenol	14.501	184	122865	32.634	ng	96
55) Dibenzofuran	14.807	168	1689125	42.593	ng	99
56) 4-Nitrophenol	14.613	139	295639	45.358	ng	94
57) 2,4-Dinitrotoluene	14.766	165	454531	45.189	ng	99
58) Fluorene	15.466	166	1287972	41.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.043	232	380952	44.201	ng	97
60) Diethylphthalate	15.231	149	1468089	43.195	ng	100
61) 4-Chlorophenyl-phenyle...	15.454	204	641804	41.240	ng	96
62) 4-Nitroaniline	15.478	138	350711	43.130	ng	95
63) Azobenzene	15.760	77	1297353	44.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.543	198	201944	35.341	ng	97
66) n-Nitrosodiphenylamine	15.678	169	1208784	43.243	ng	98
67) 4-Bromophenyl-phenylether	16.372	248	442865	43.928	ng	98
68) Hexachlorobenzene	16.490	284	498920	42.691	ng	99
69) Atrazine	16.648	200	458257	43.775	ng	96
70) Pentachlorophenol	16.842	266	327120	44.342	ng	98
71) Phenanthrene	17.242	178	2130157	42.302	ng	100
72) Anthracene	17.331	178	2204625	42.872	ng	99
73) Carbazole	17.613	167	2067991	42.695	ng	99
74) Di-n-butylphthalate	18.201	149	2603783	43.693	ng	100
75) Fluoranthene	19.319	202	2518758	41.933	ng	99
77) Benzidine	19.507	184	1508404	47.349	ng	100
78) Pyrene	19.689	202	2619981	43.183	ng	100
80) Butylbenzylphthalate	20.642	149	1256440	45.693	ng	99
81) Benzo(a)anthracene	21.613	228	2626516	42.665	ng	99
82) 3,3'-Dichlorobenzidine	21.530	252	1026166	44.224	ng	100
83) Chrysene	21.677	228	2465631	42.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.560	149	1800639	44.485	ng	99
85) Di-n-octyl phthalate	22.848	149	3138516	45.079	ng	99
87) Indeno(1,2,3-cd)pyrene	28.807	276	3296276	42.530	ng	99
88) Benzo(b)fluoranthene	23.930	252	2712012	43.518	ng	99
89) Benzo(k)fluoranthene	24.001	252	2673968	42.878	ng	99
90) Benzo(a)pyrene	24.830	252	2622614	43.232	ng	99
91) Dibenzo(a,h)anthracene	28.912	278	2716441	42.888	ng	98
92) Benzo(g,h,i)perylene	30.006	276	2661609	42.750	ng	100

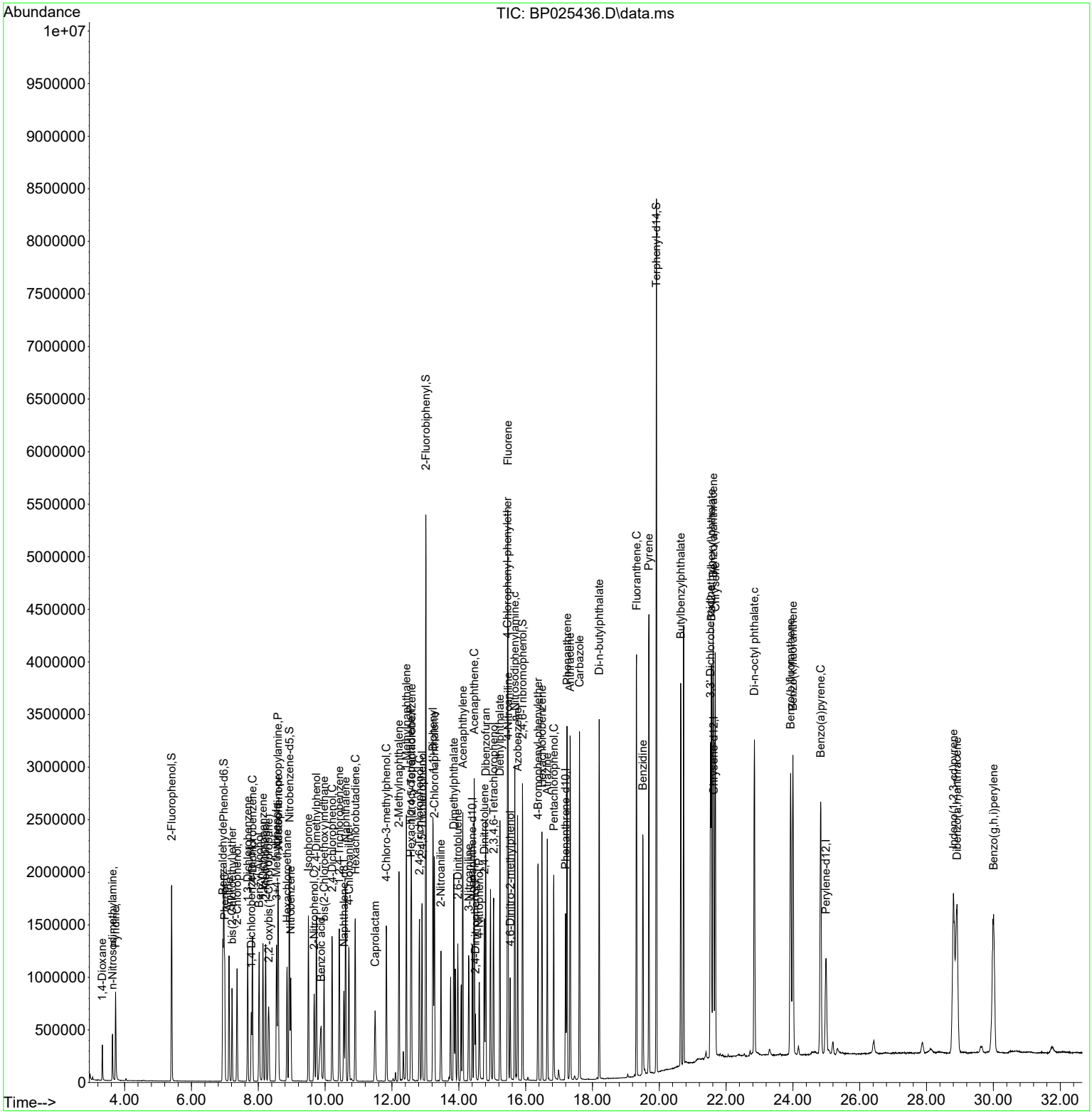
(#) = qualifier out of range (m) = manual integration (+) = signals summed

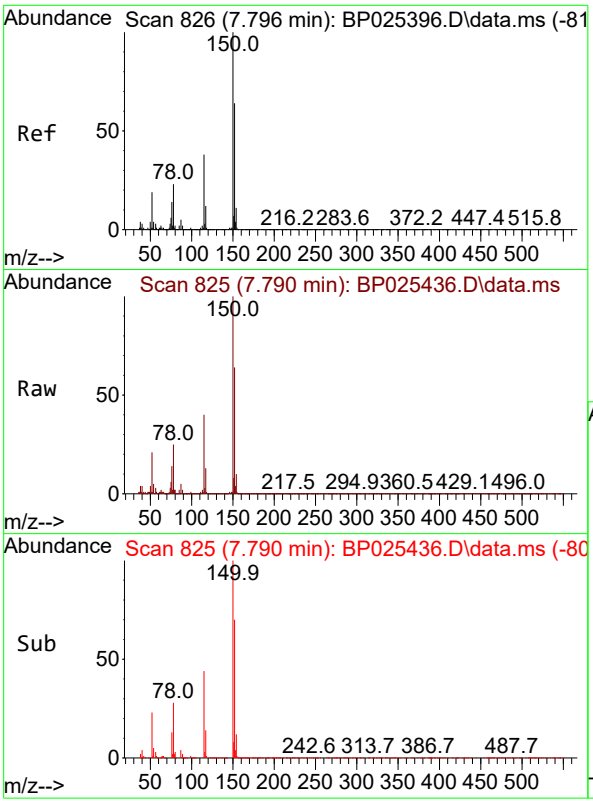
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081525\
Data File : BP025436.D
Acq On : 15 Aug 2025 21:03
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 18 01:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



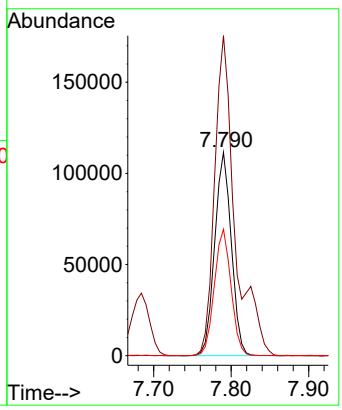


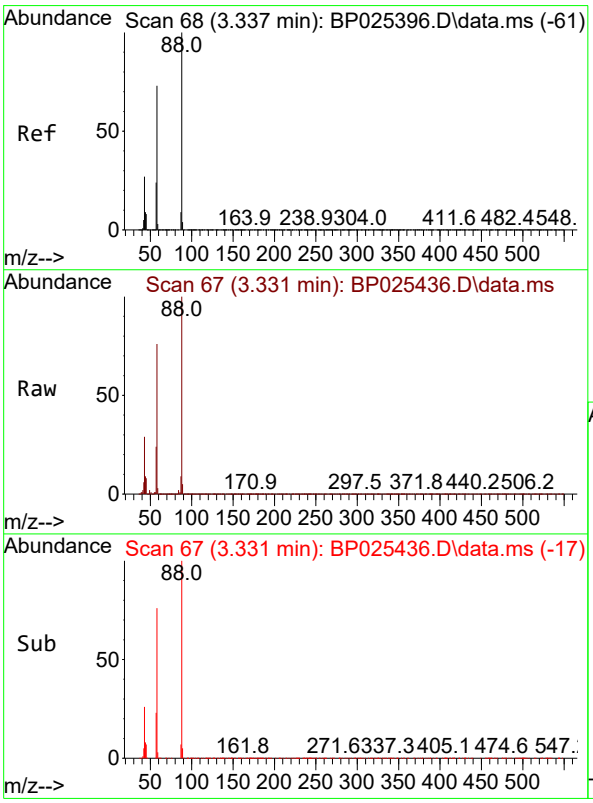
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 166135

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	62.2	48.5	72.7

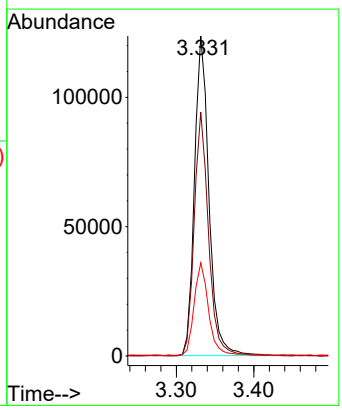


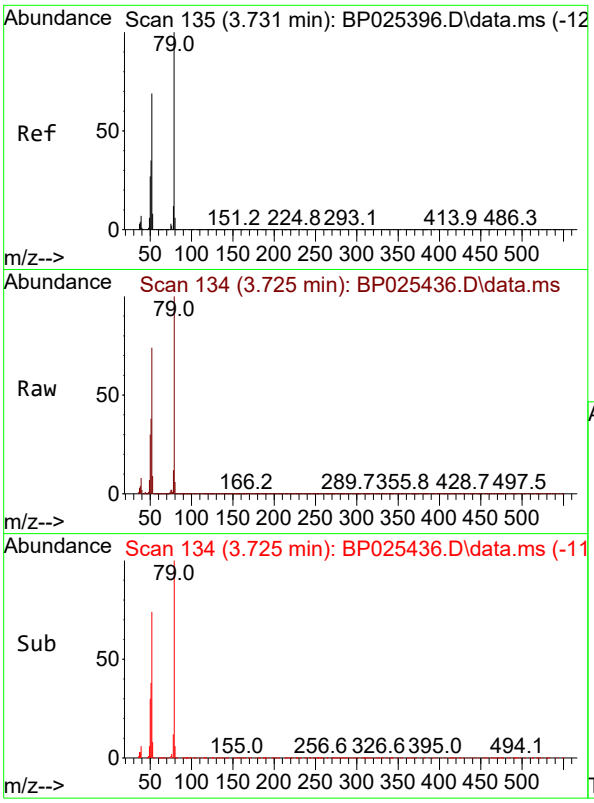


#2
1,4-Dioxane
Concen: 41.000 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 88 Resp: 160658

Ion	Ratio	Lower	Upper
88	100		
58	75.7	59.2	88.8
43	28.9	21.7	32.5



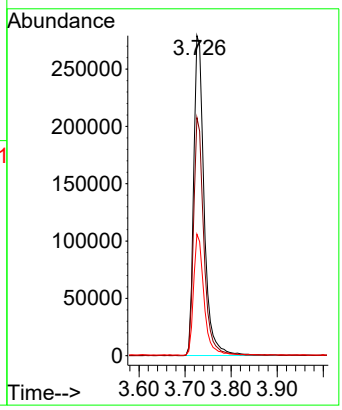


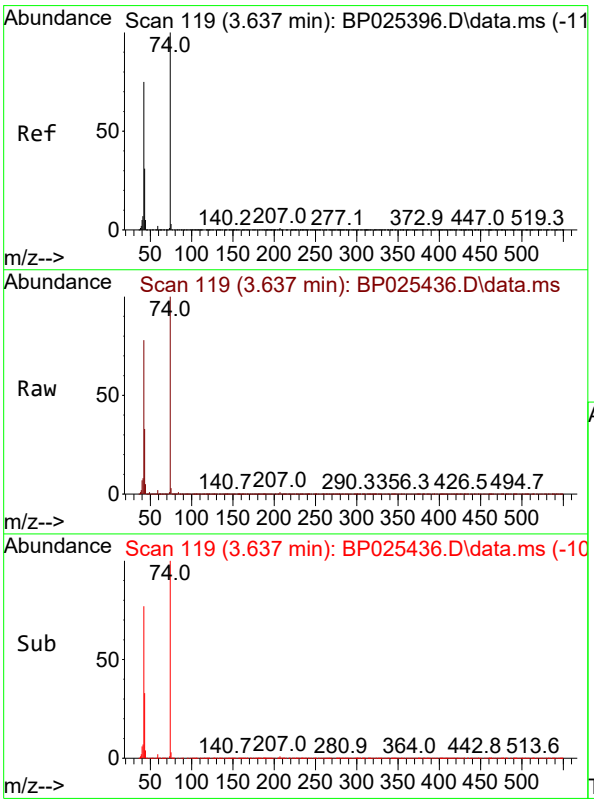
#3
Pyridine
Concen: 40.960 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 439304

Ion	Ratio	Lower	Upper
79	100		
52	74.4	55.5	83.3
51	38.0	28.3	42.5

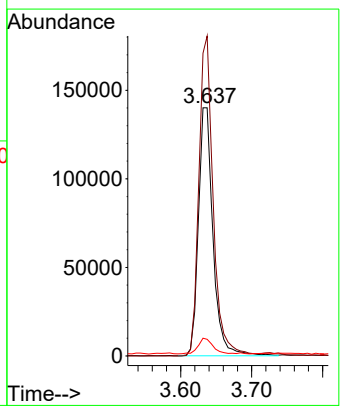


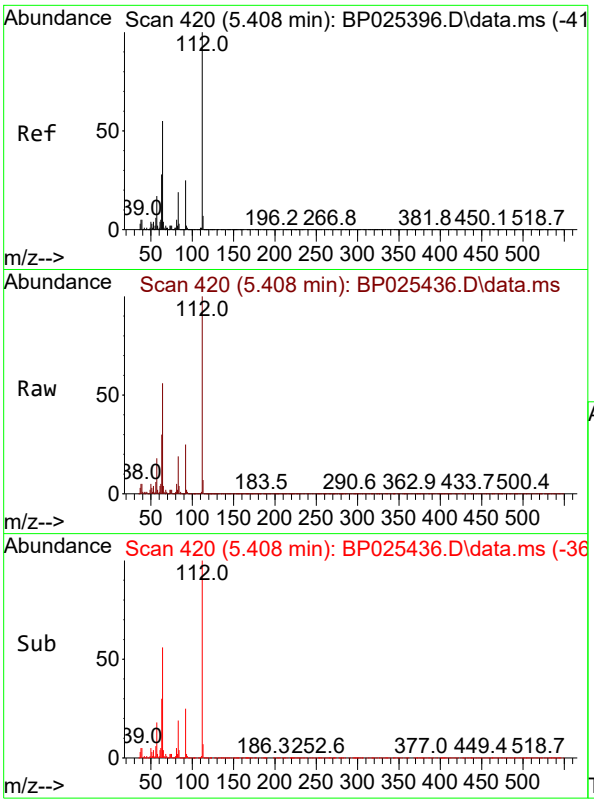


#4
n-Nitrosodimethylamine
Concen: 45.373 ng
RT: 3.637 min Scan# 119
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 42 Resp: 200626

Ion	Ratio	Lower	Upper
42	100		
74	128.9	107.0	160.4
44	6.7	6.2	9.4



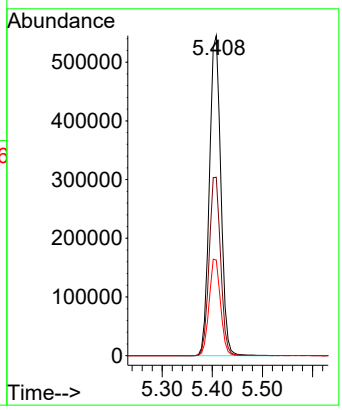


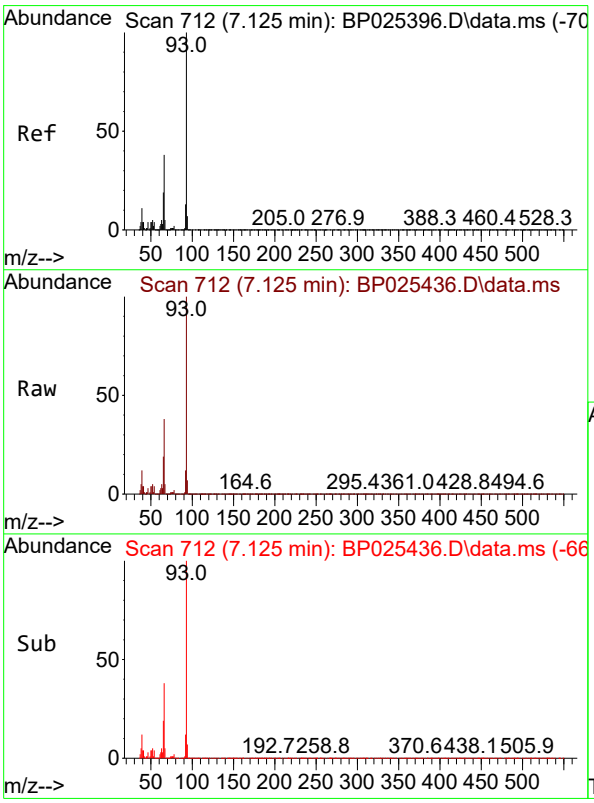
#5
2-Fluorophenol
Concen: 86.186 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 862200

Ion	Ratio	Lower	Upper
112	100		
64	55.8	43.8	65.8
63	29.9	22.7	34.1

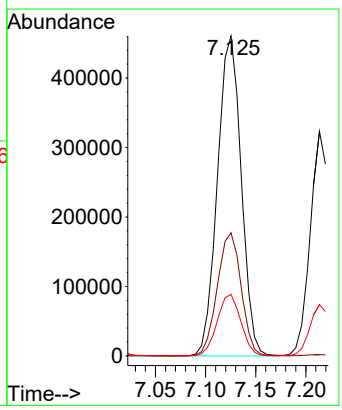


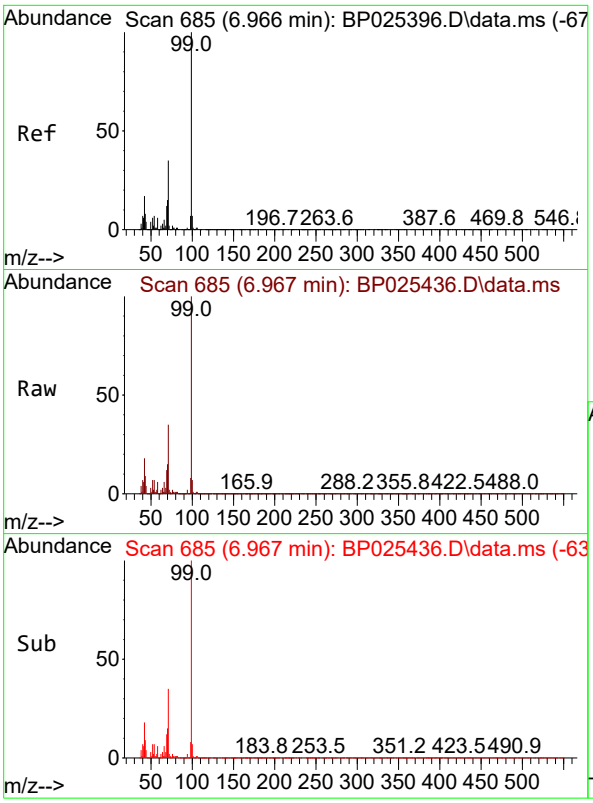


#6
Aniline
Concen: 43.843 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 757650

Ion	Ratio	Lower	Upper
93	100		
66	38.5	30.4	45.6
65	19.3	15.3	22.9



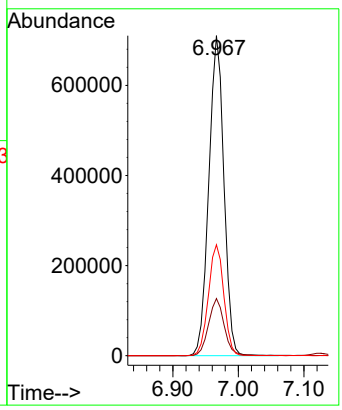


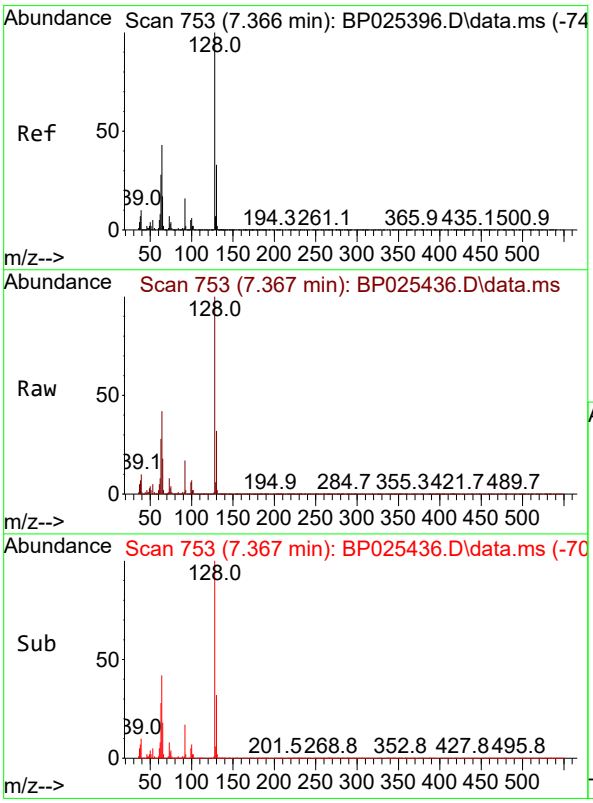
#7
Phenol-d6
Concen: 88.568 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1135967

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	34.7	28.2	42.4

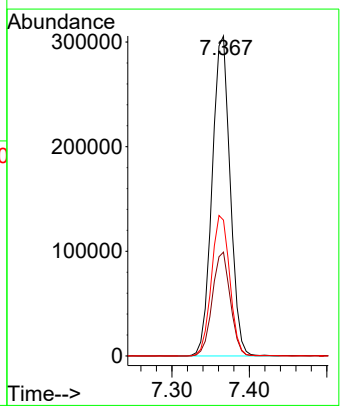


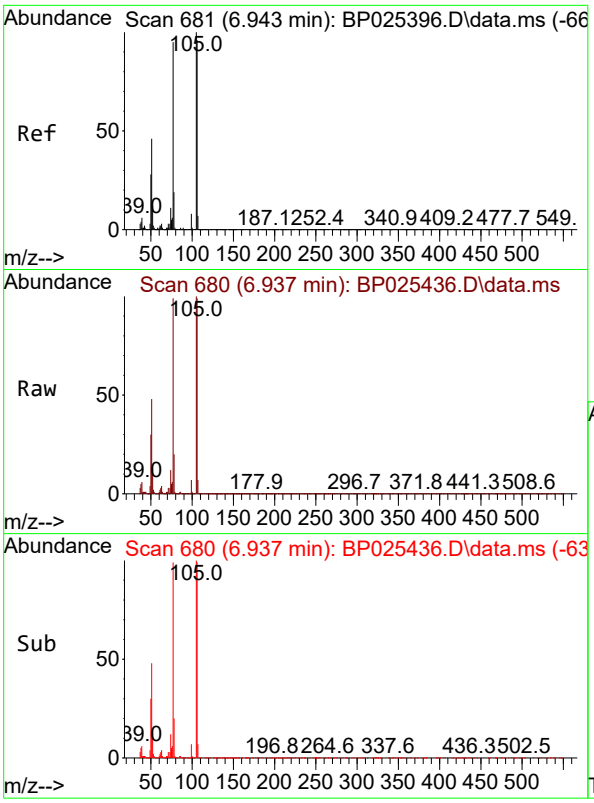


#8
2-Chlorophenol
Concen: 43.878 ng
RT: 7.367 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:128 Resp: 495342

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	42.4	23.4	63.4



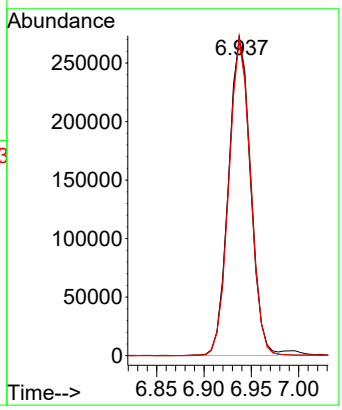


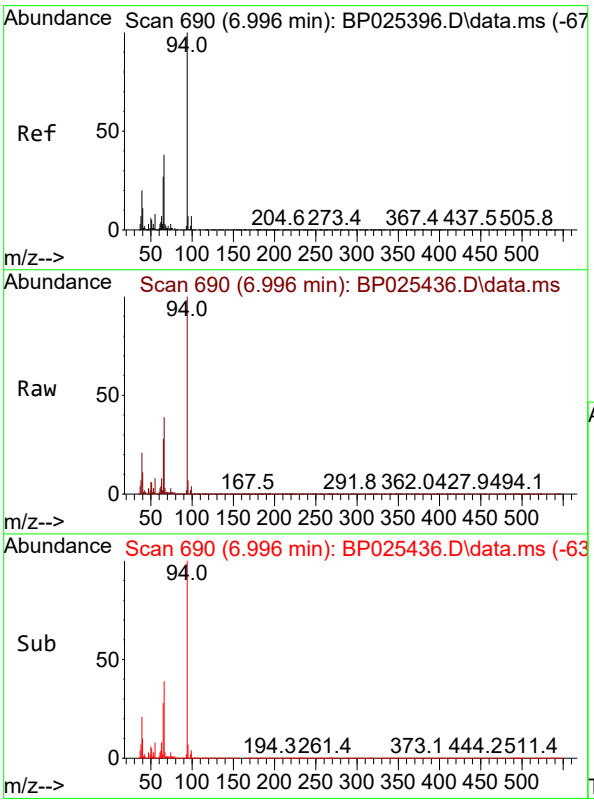
#9
Benzaldehyde
Concen: 48.635 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 437036

Ion	Ratio	Lower	Upper
77	100		
105	101.5	84.8	124.8
106	100.1	80.5	120.5

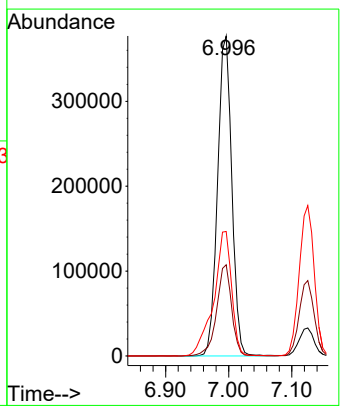


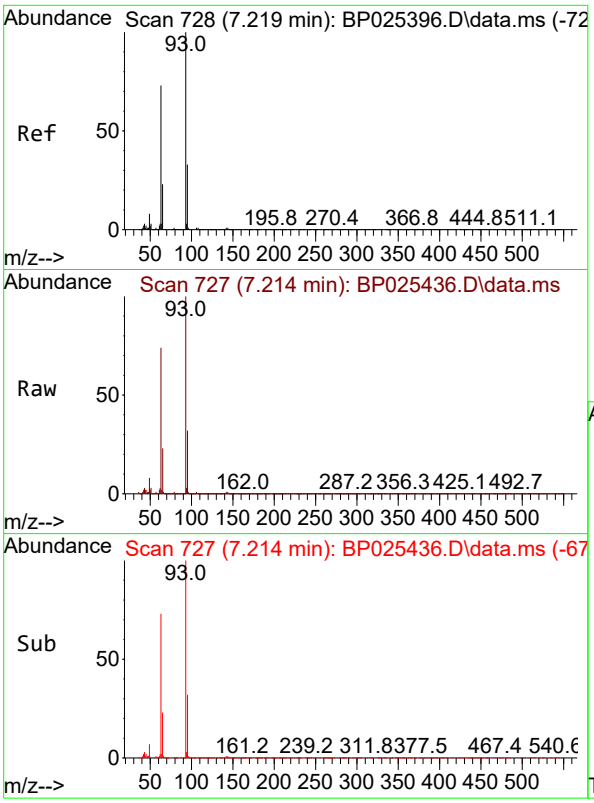


#10
Phenol
Concen: 43.862 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 94 Resp: 590307

Ion	Ratio	Lower	Upper
94	100		
65	28.5	6.8	46.8
66	38.9	18.2	58.2



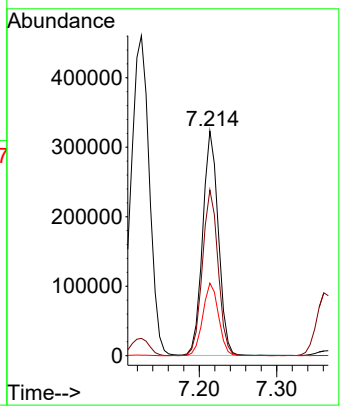


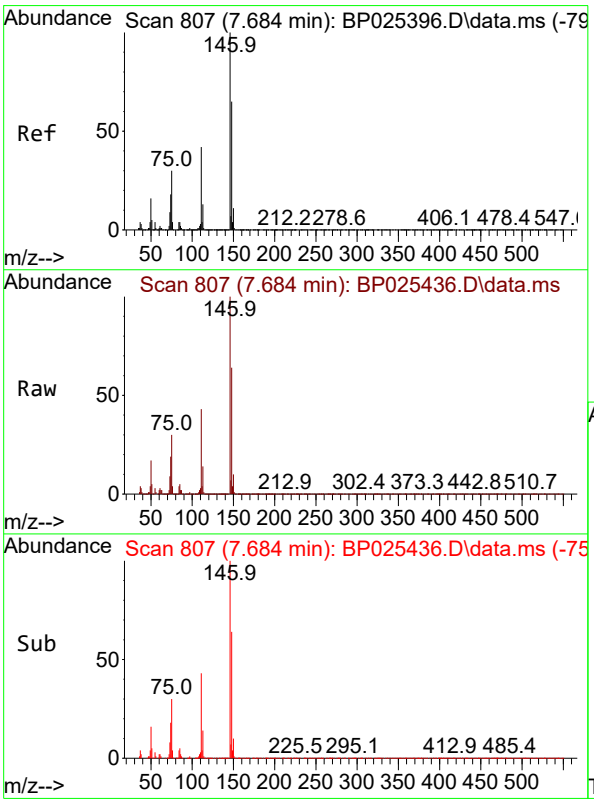
#11
bis(2-Chloroethyl)ether
Concen: 43.239 ng
RT: 7.214 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 453562

Ion	Ratio	Lower	Upper
93	100		
63	73.8	52.6	92.6
95	32.3	12.7	52.7

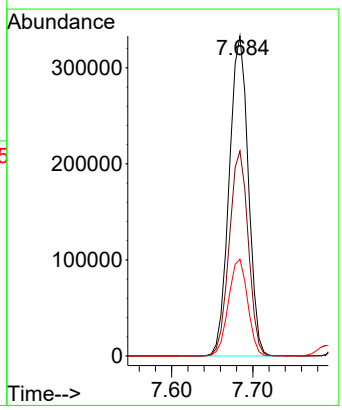


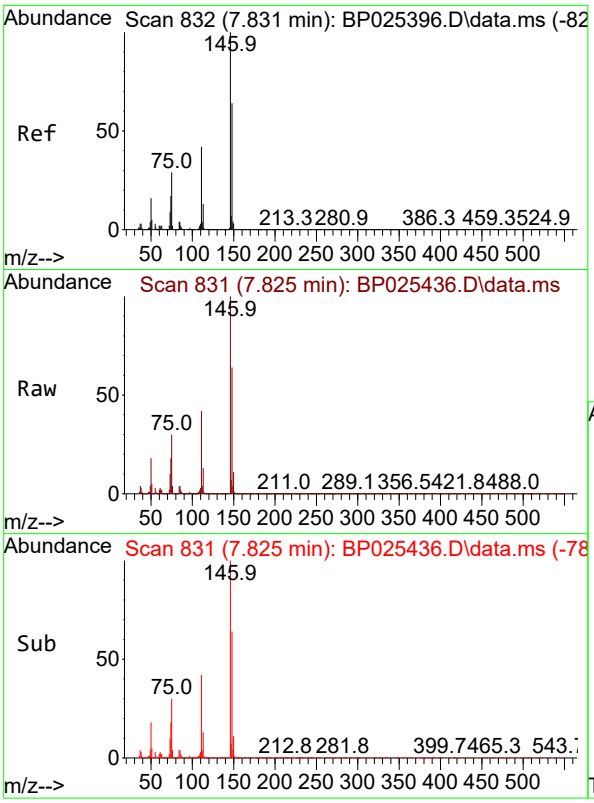


#12
1,3-Dichlorobenzene
Concen: 43.622 ng
RT: 7.684 min Scan# 807
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 543009

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	30.2	23.7	35.5



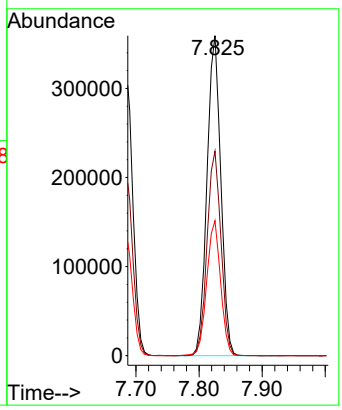


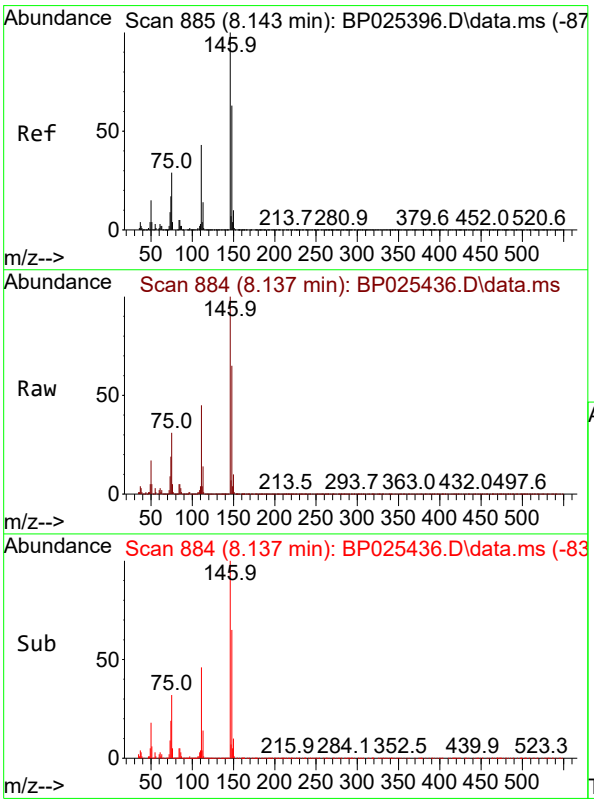
#13
1,4-Dichlorobenzene
Concen: 42.950 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 546465

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	42.2	33.4	50.0

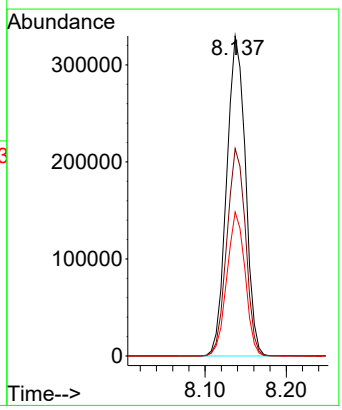


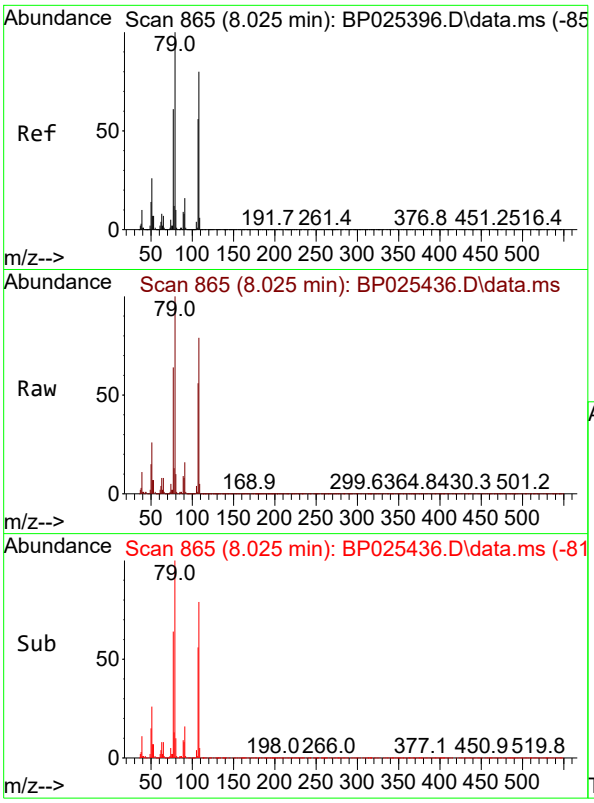


#14
1,2-Dichlorobenzene
Concen: 43.069 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:146 Resp: 530443

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.4	75.6
111	45.0	34.5	51.7



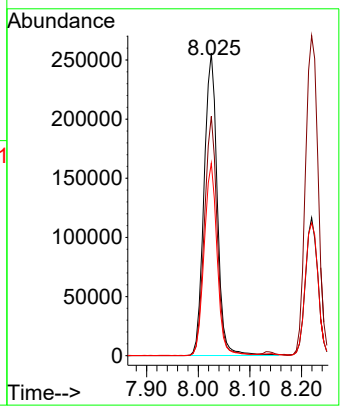


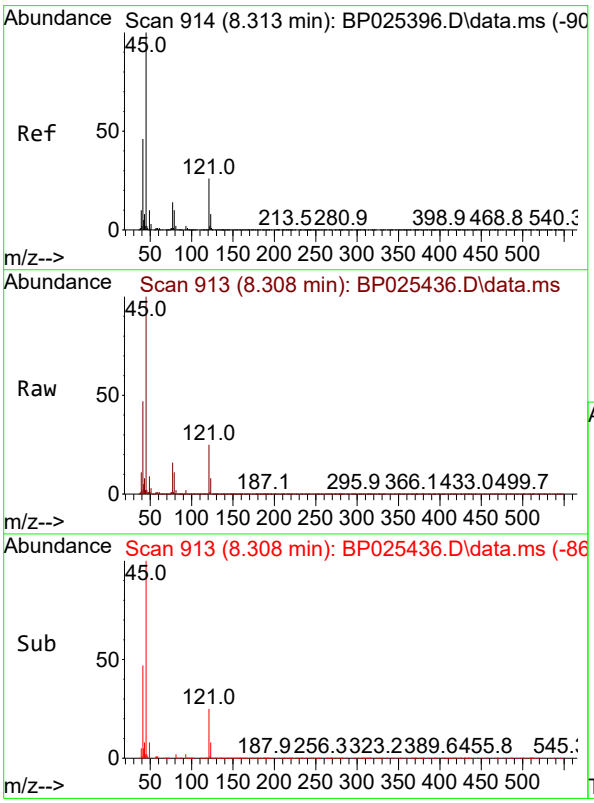
#15
Benzyl Alcohol
Concen: 44.621 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 454736

Ion	Ratio	Lower	Upper
79	100		
108	79.1	63.8	95.6
77	63.6	49.0	73.4

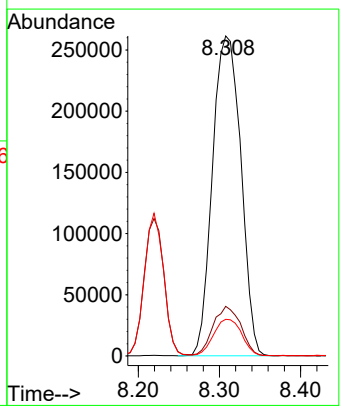


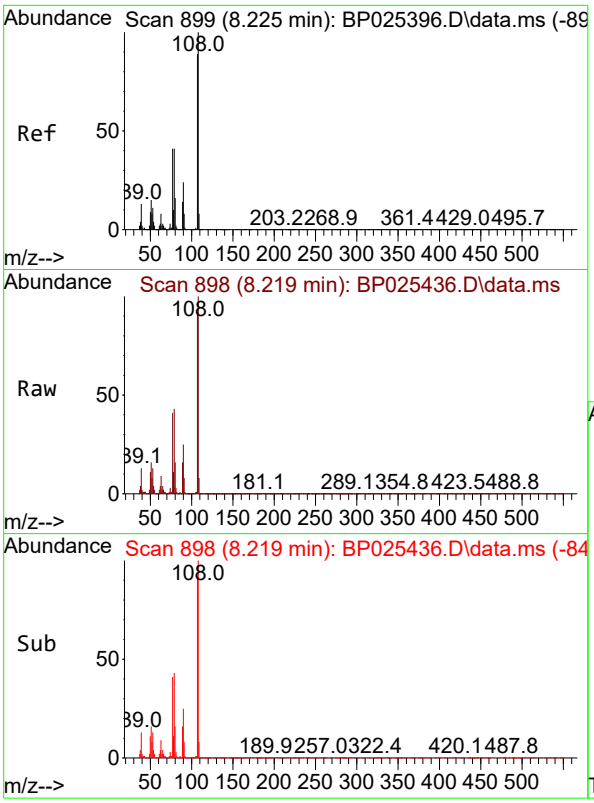


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.158 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 45 Resp: 634562

Ion	Ratio	Lower	Upper
45	100		
77	15.5	0.0	35.3
79	11.5	0.0	31.8



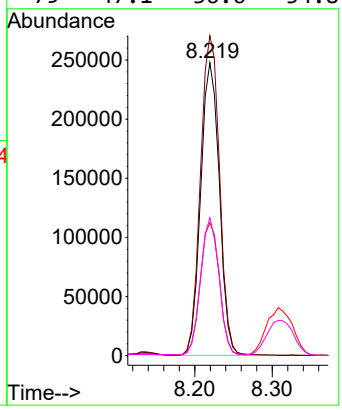


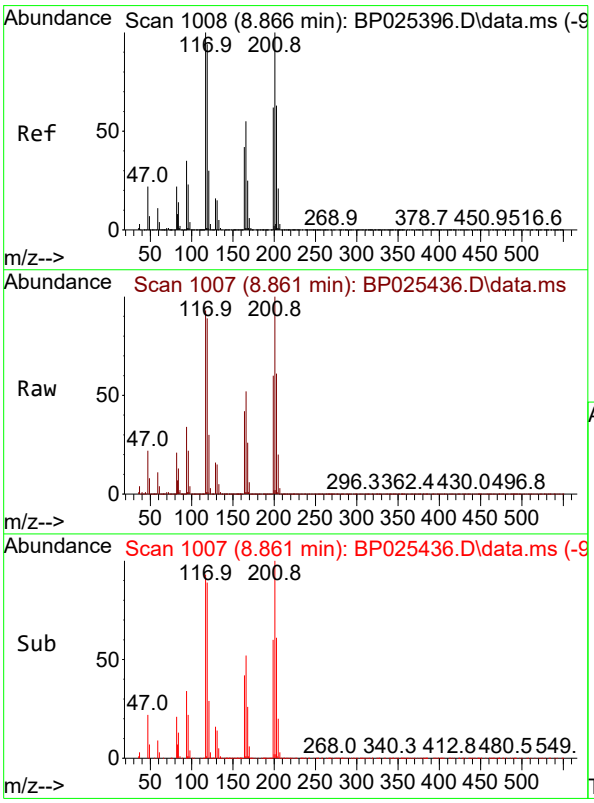
#17
2-Methylphenol
Concen: 44.345 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 414498

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.4	134.0
77	45.3	36.3	54.5
79	47.1	36.6	54.8

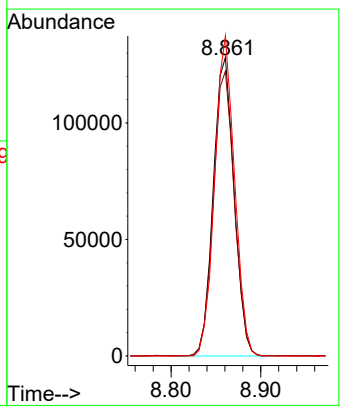


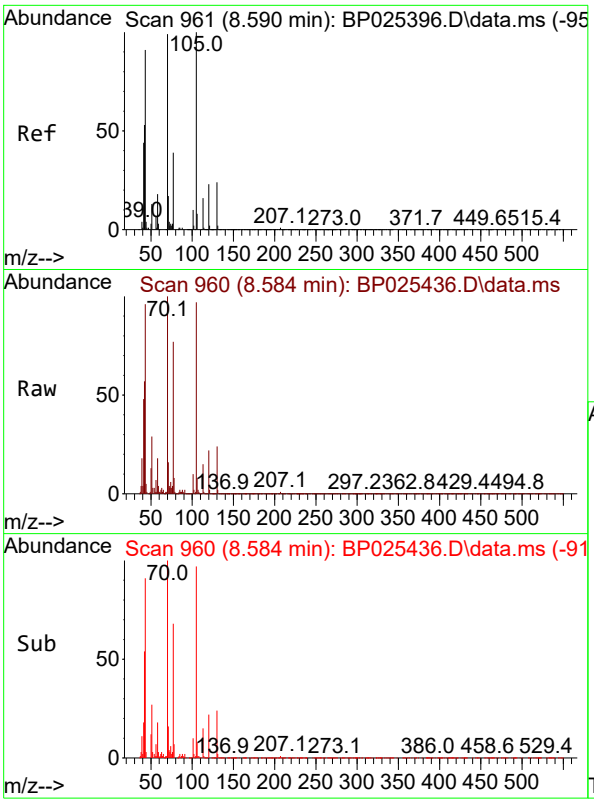


#18
Hexachloroethane
Concen: 44.074 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:117 Resp: 206177

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.1	112.7
201	107.2	80.1	120.1



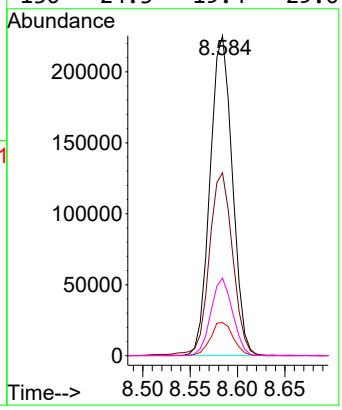


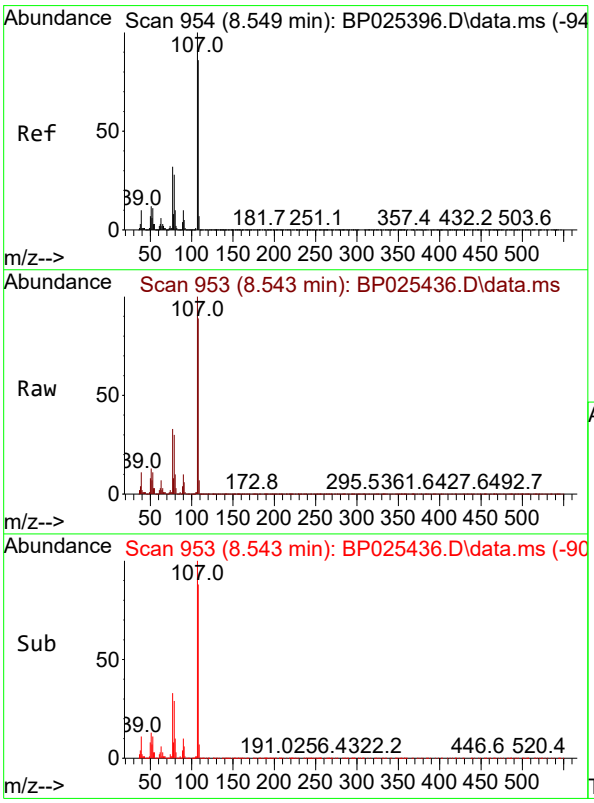
#19
n-Nitroso-di-n-propylamine
Concen: 43.396 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 368678

Ion	Ratio	Lower	Upper
70	100		
42	57.2	43.8	65.6
101	10.4	8.5	12.7
130	24.3	19.4	29.0

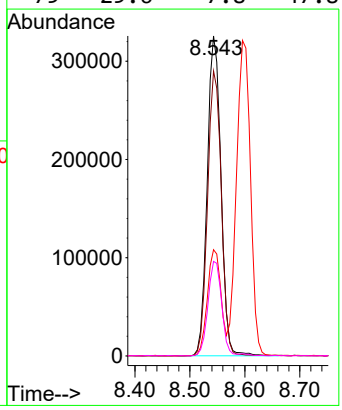


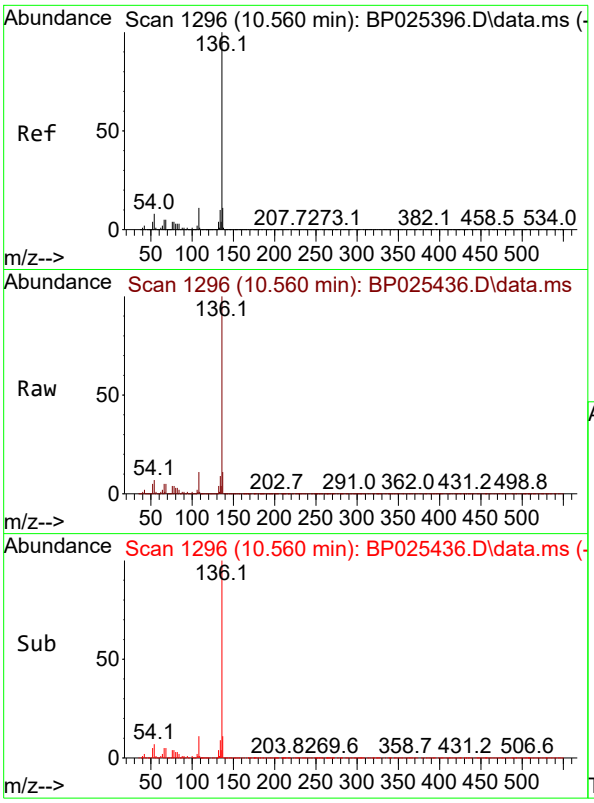


#20
3+4-Methylphenols
Concen: 43.573 ng
RT: 8.543 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 564553

Ion	Ratio	Lower	Upper
107	100		
108	89.1	66.3	106.3
77	33.2	12.3	52.3
79	29.6	7.8	47.8



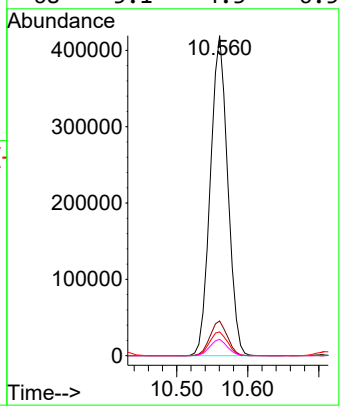


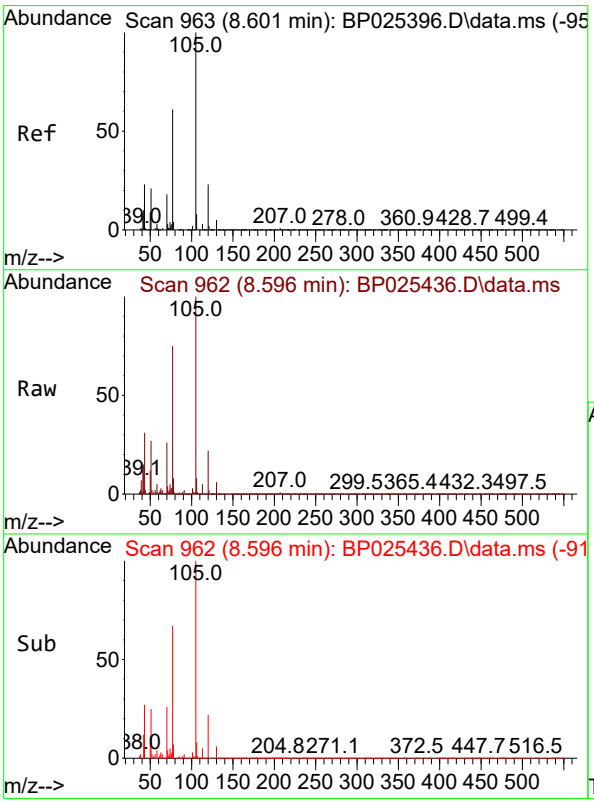
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 710479

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	6.0	9.0
68	5.1	4.3	6.5

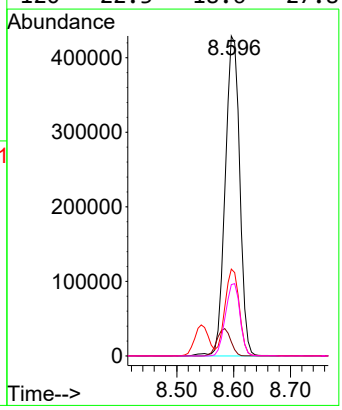


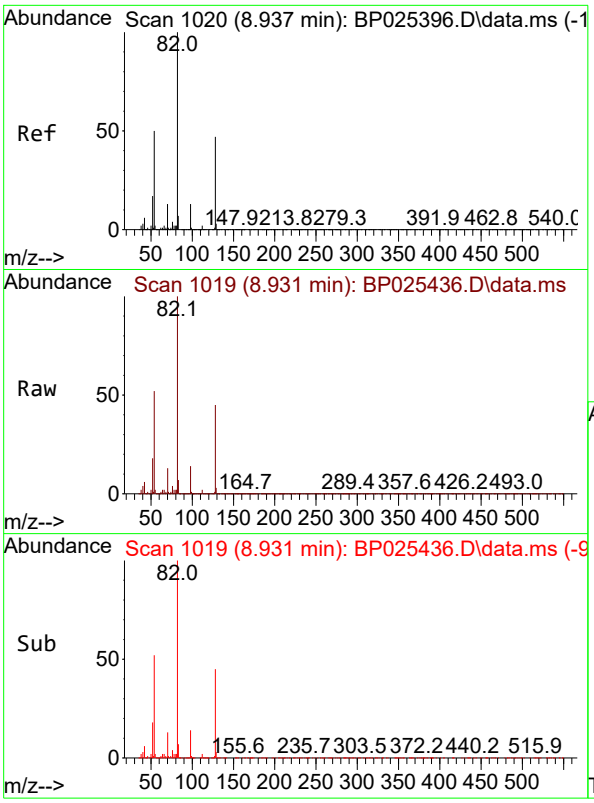


#22
Acetophenone
Concen: 42.809 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:105 Resp: 762747

Ion	Ratio	Lower	Upper
105	100		
71	4.4	2.6	4.0#
51	27.1	20.6	30.8
120	22.3	18.6	27.8



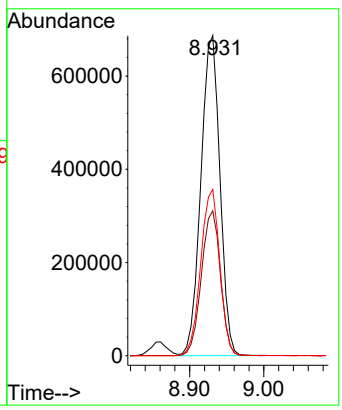


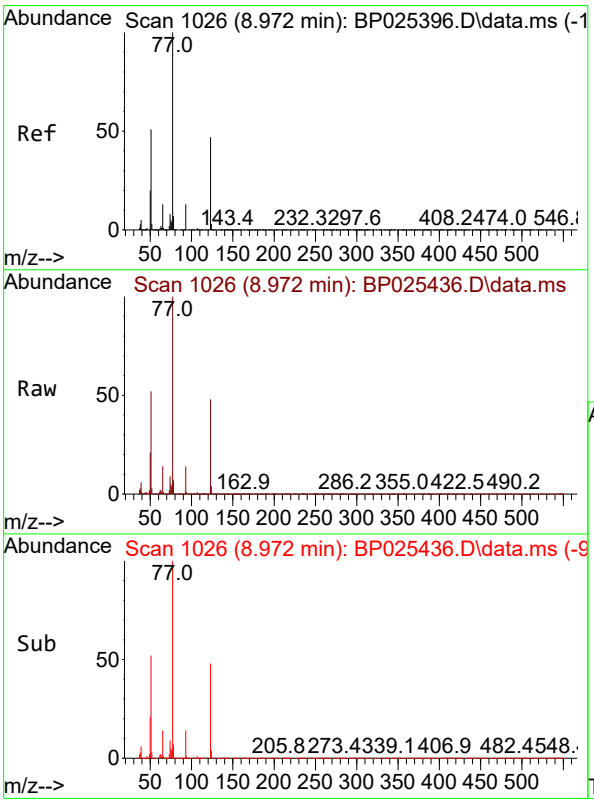
#23
Nitrobenzene-d5
Concen: 87.195 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1224664

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	52.0	39.8	59.6

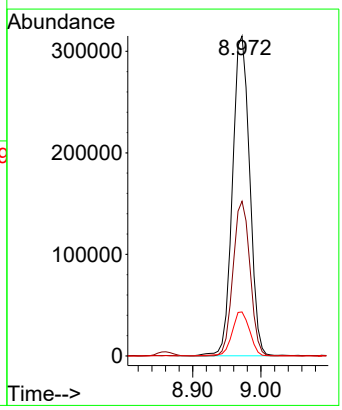


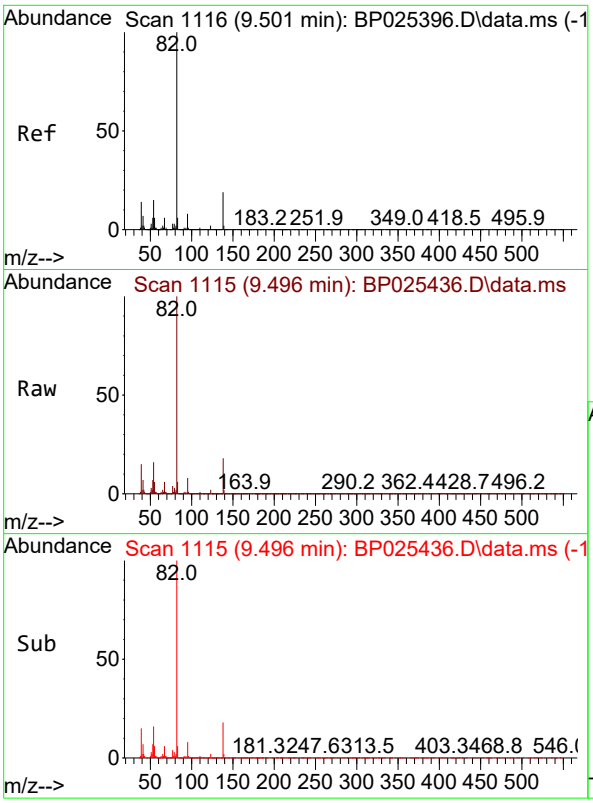


#24
Nitrobenzene
Concen: 43.917 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 77 Resp: 551258

Ion	Ratio	Lower	Upper
77	100		
123	48.4	38.6	58.0
65	13.8	10.6	15.8



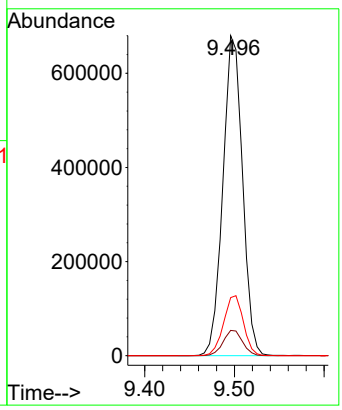


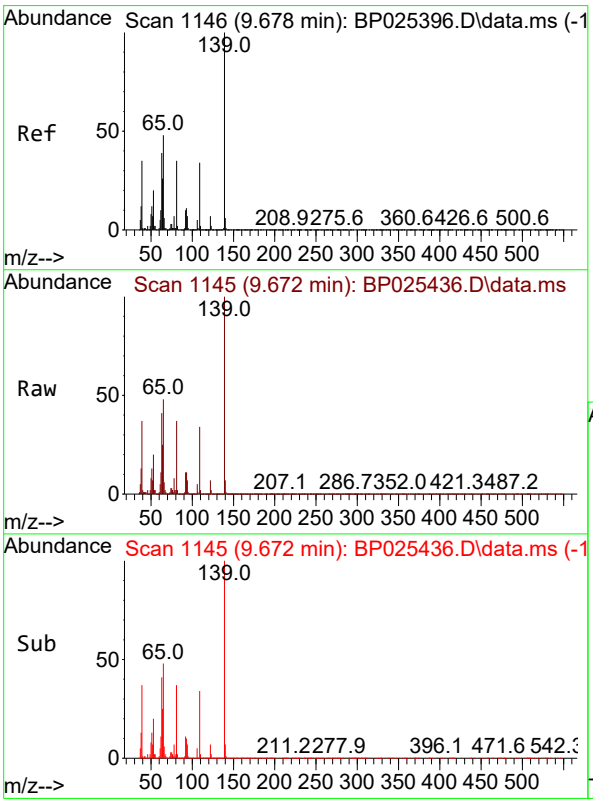
#25
Isophorone
Concen: 41.573 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1033357

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.1	15.4	23.0

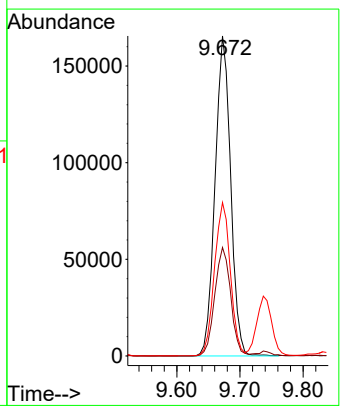


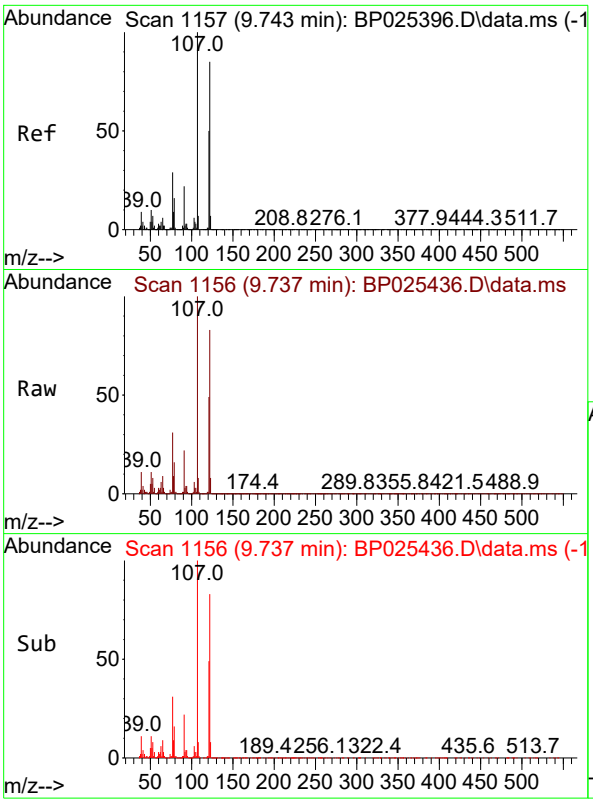


#26
2-Nitrophenol
Concen: 43.982 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 283328

Ion	Ratio	Lower	Upper
139	100		
109	33.9	26.9	40.3
65	47.9	38.3	57.5



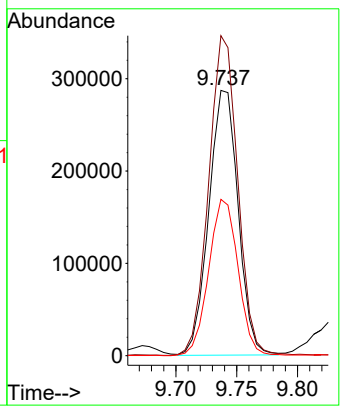


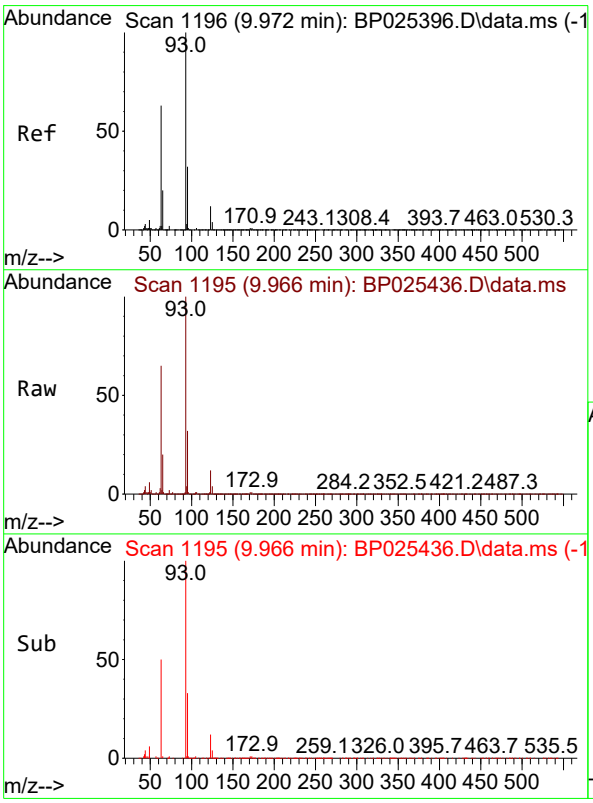
#27
2,4-Dimethylphenol
Concen: 43.443 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 481271

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	58.9	46.6	69.8

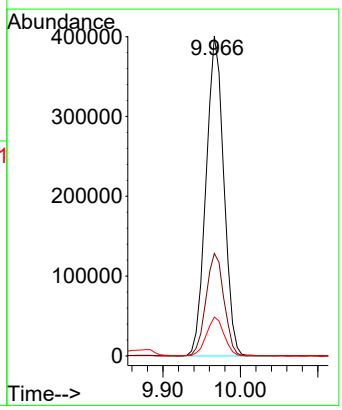


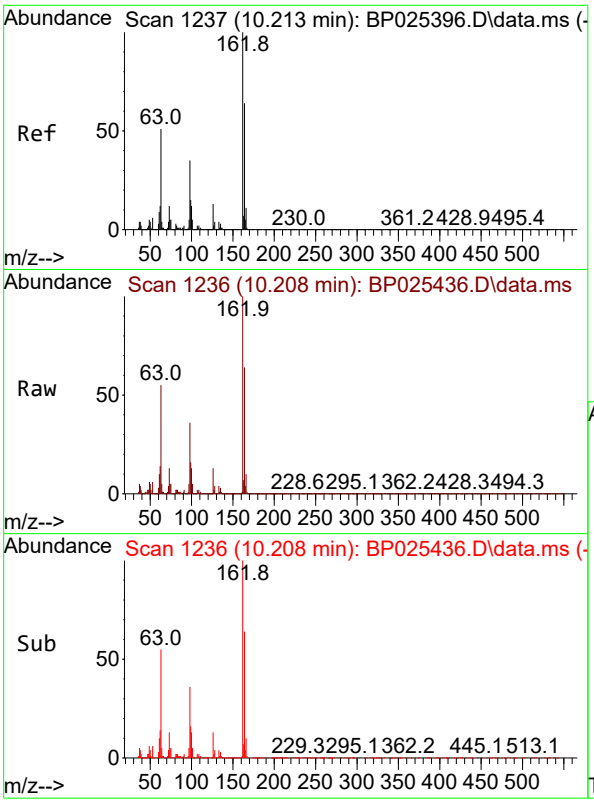


#28
bis(2-Chloroethoxy)methane
Concen: 42.398 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 93 Resp: 637027

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	12.1	9.4	14.0



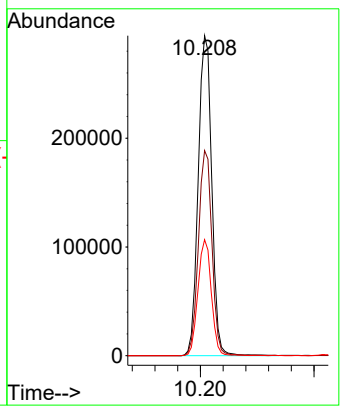


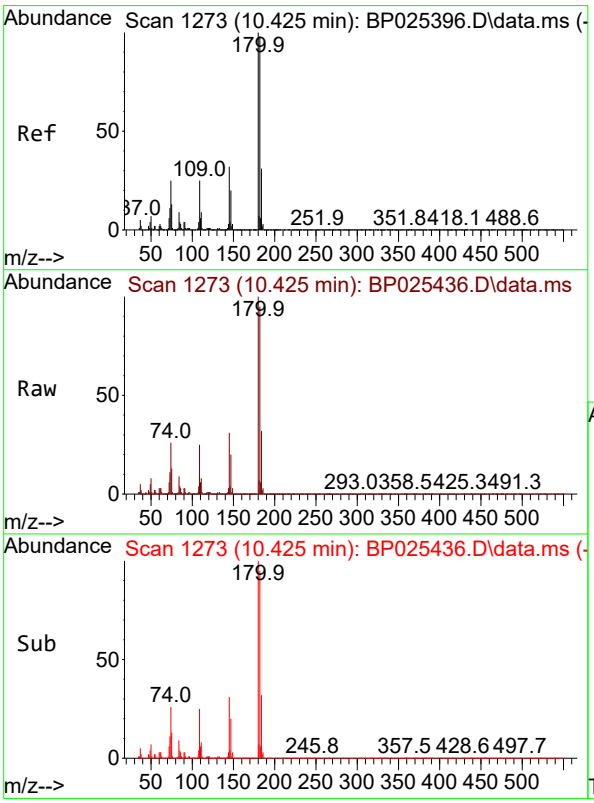
#29
2,4-Dichlorophenol
Concen: 44.245 ng
RT: 10.208 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 486914

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.4	84.4
98	36.2	14.9	54.9

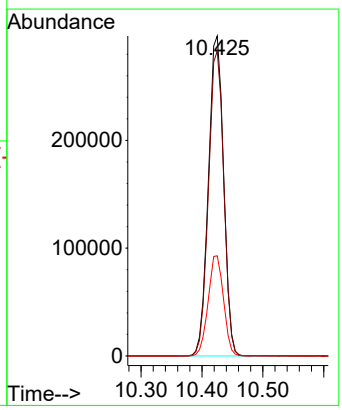


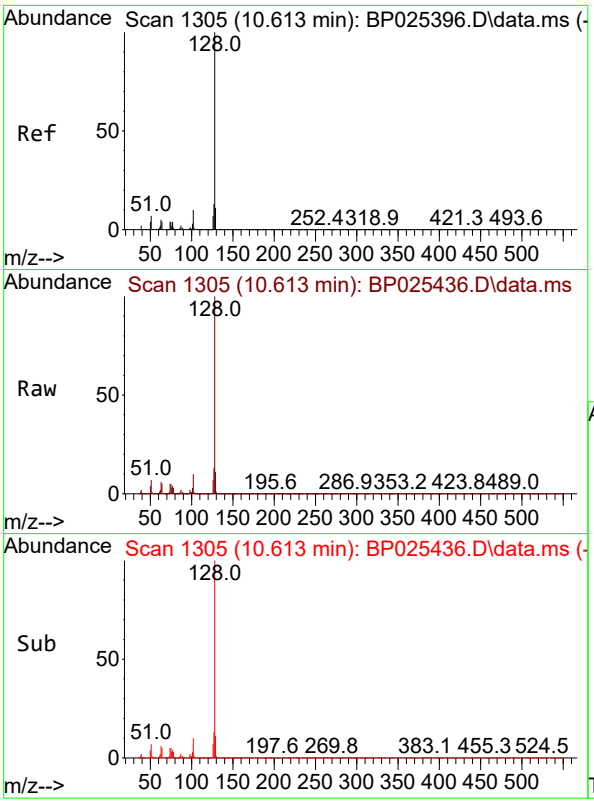


#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:180 Resp: 515873

Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.0	117.0
145	31.3	25.9	38.9



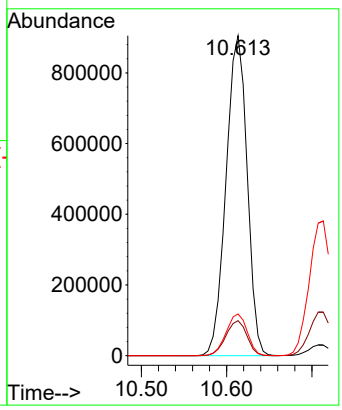


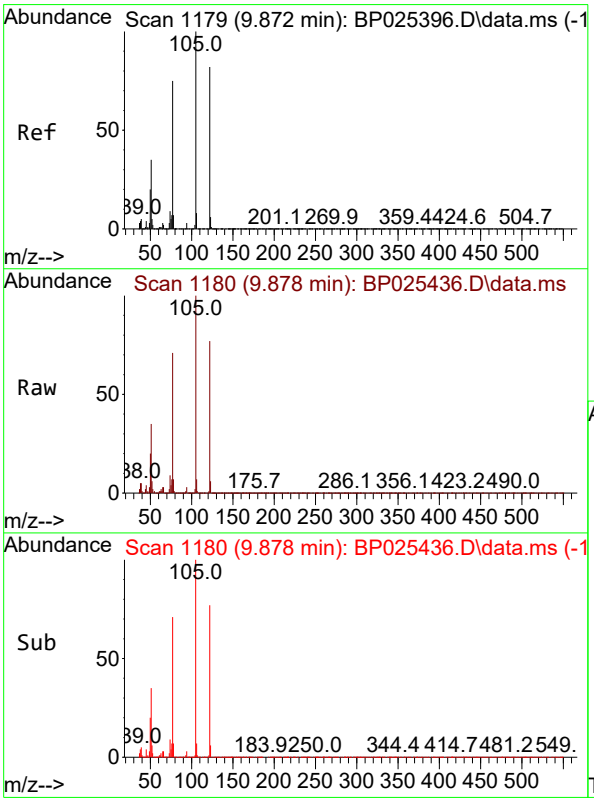
#31
Naphthalene
Concen: 42.217 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1558976

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.7	16.1

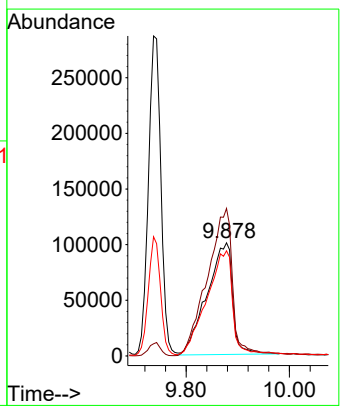


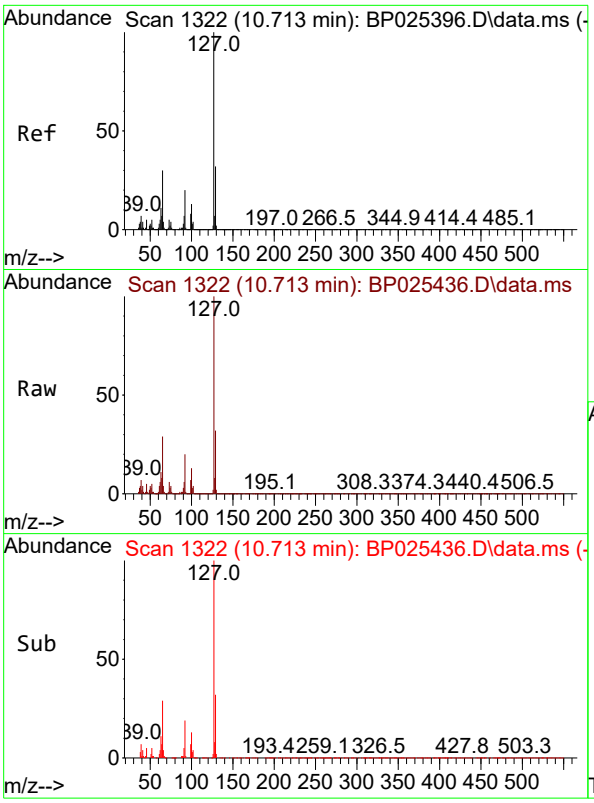


#32
Benzoic acid
Concen: 42.339 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:122 Resp: 346284

Ion	Ratio	Lower	Upper
122	100		
105	130.5	100.6	140.6
77	93.0	71.5	111.5



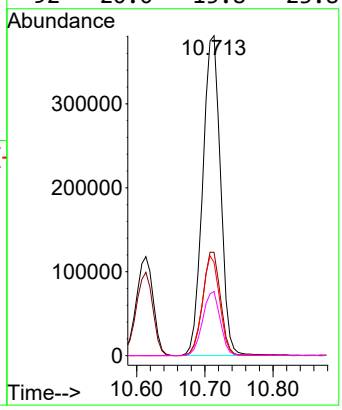


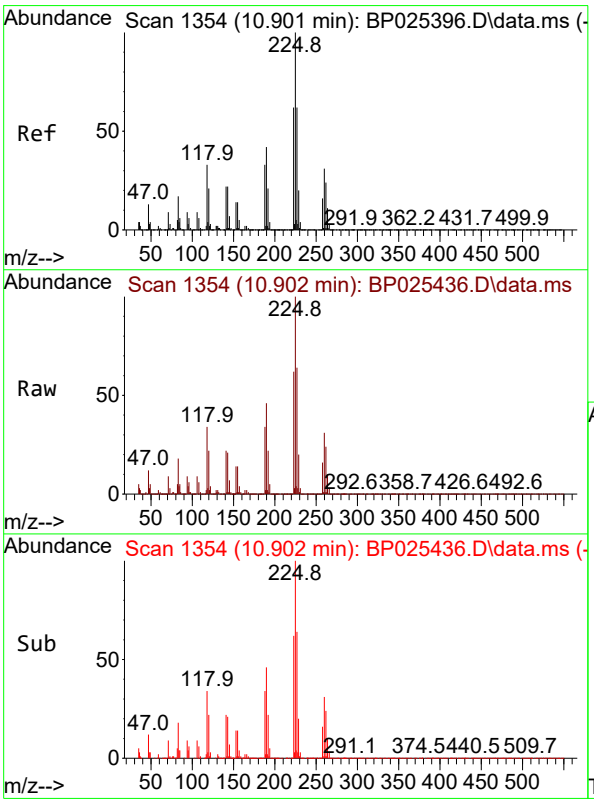
#33
4-Chloroaniline
Concen: 42.532 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 693770

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	29.1	23.8	35.6
92	20.0	15.8	23.8

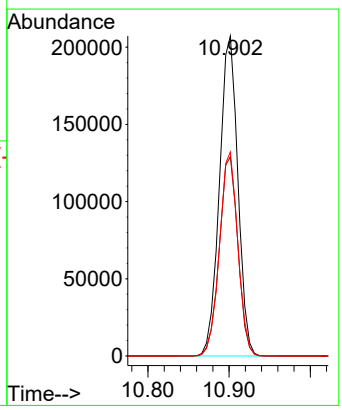


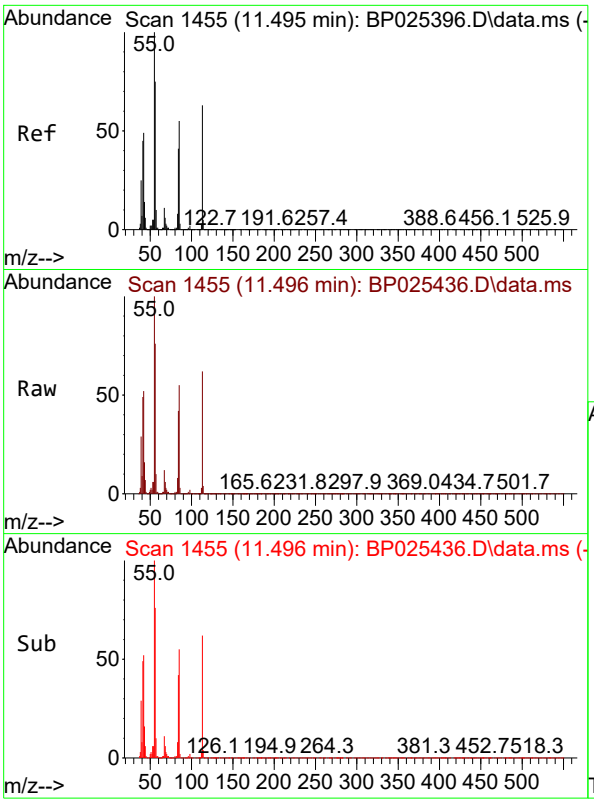


#34
Hexachlorobutadiene
Concen: 43.456 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:225 Resp: 326490

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.8	49.7	74.5



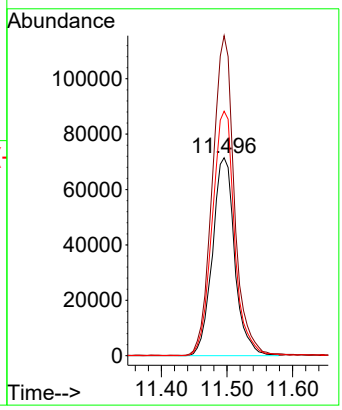


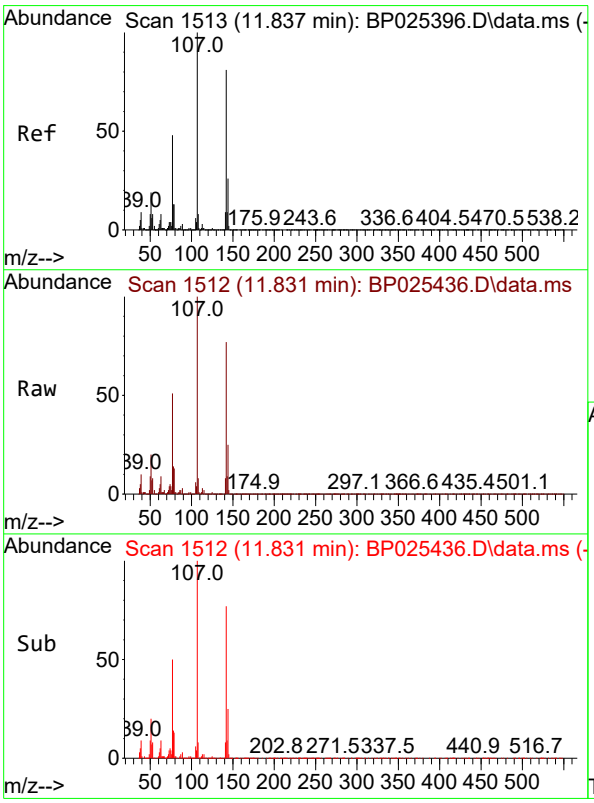
#35
Caprolactam
Concen: 41.554 ng
RT: 11.496 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 167685

Ion	Ratio	Lower	Upper
113	100		
55	161.7	140.0	180.0
56	123.5	100.0	140.0

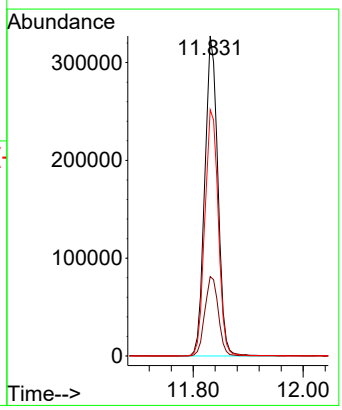


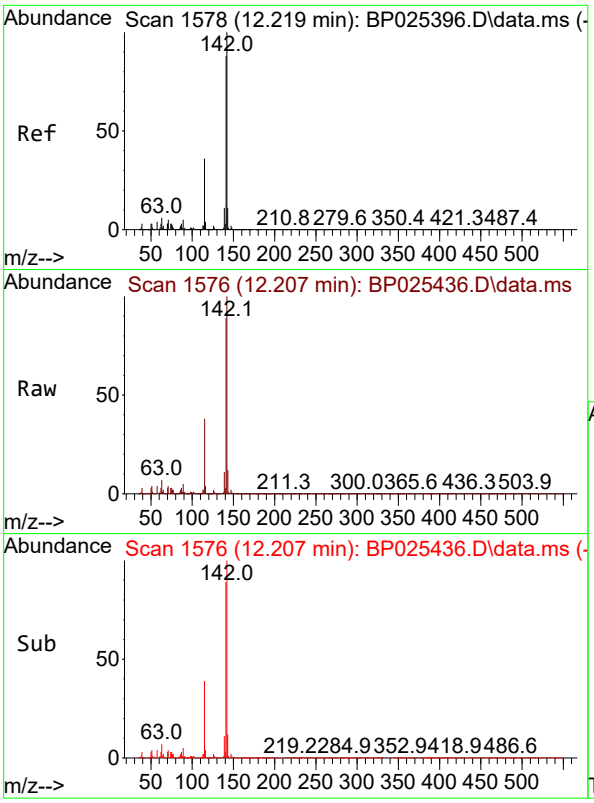


#36
4-Chloro-3-methylphenol
Concen: 42.698 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:107 Resp: 539188

Ion	Ratio	Lower	Upper
107	100		
144	24.8	21.0	31.4
142	76.9	64.6	97.0



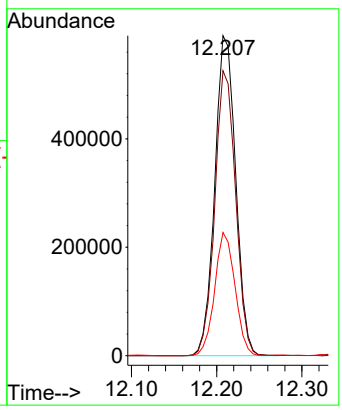


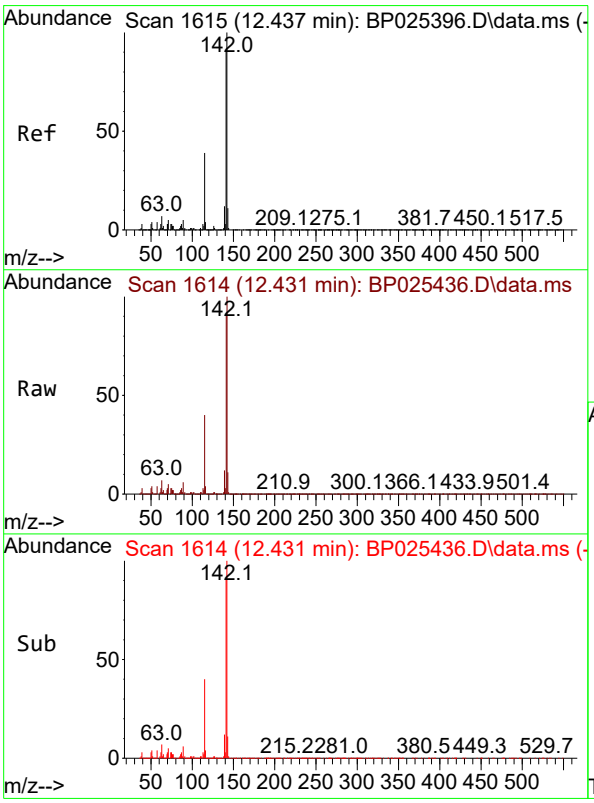
#37
2-Methylnaphthalene
Concen: 41.968 ng
RT: 12.207 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1008537

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	38.5	28.9	43.3

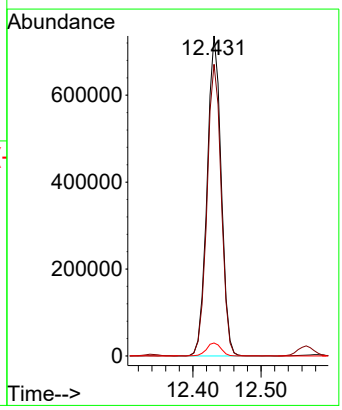


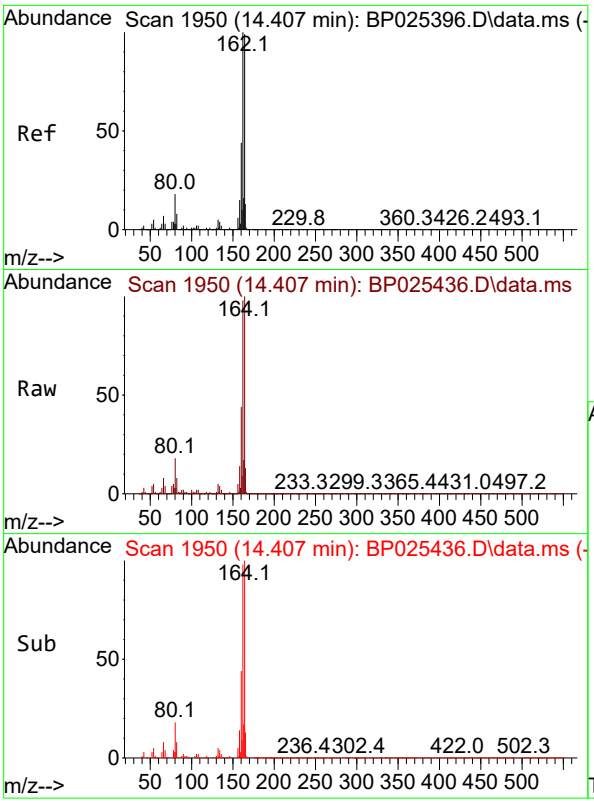


#38
1-Methylnaphthalene
Concen: 41.373 ng
RT: 12.431 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:142 Resp: 1057345

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.1	109.7
116	4.1	3.2	4.8



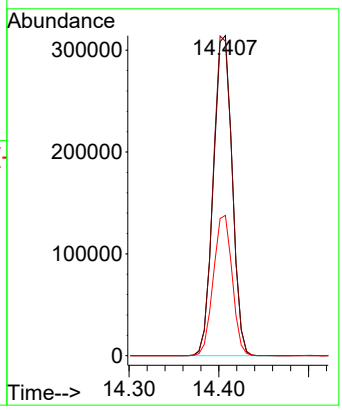


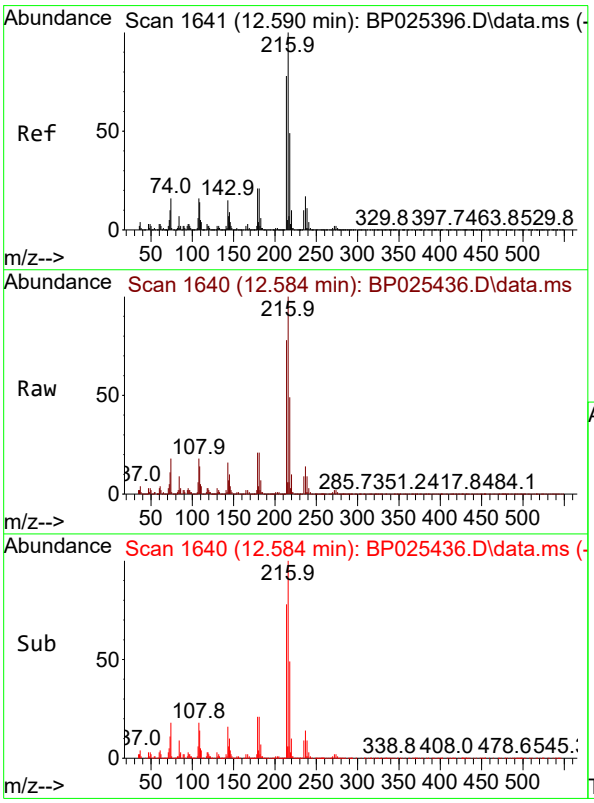
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 456766

Ion	Ratio	Lower	Upper
164	100		
162	98.2	81.0	121.6
160	43.8	35.4	53.2

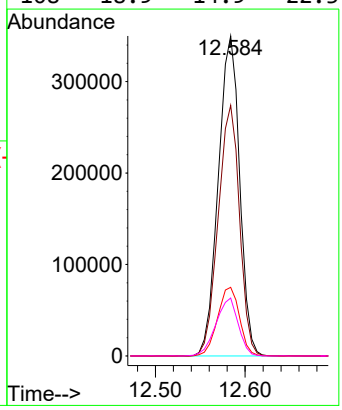


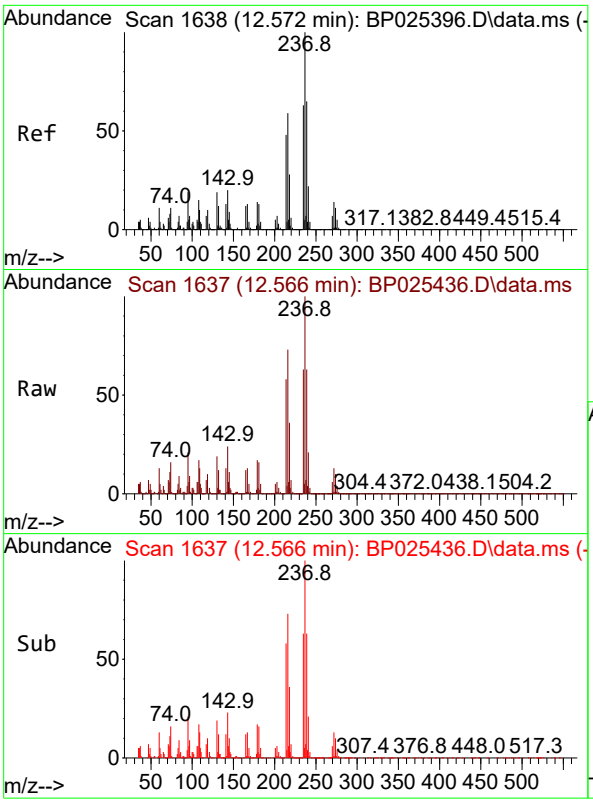


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.807 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:216 Resp: 577904

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	22.0	17.1	25.7
108	18.9	14.9	22.3



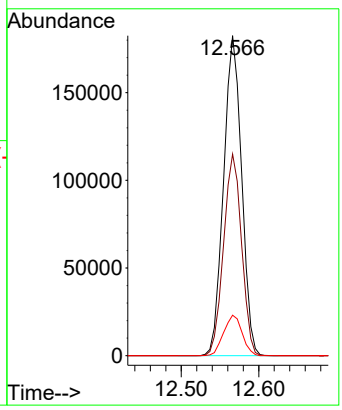


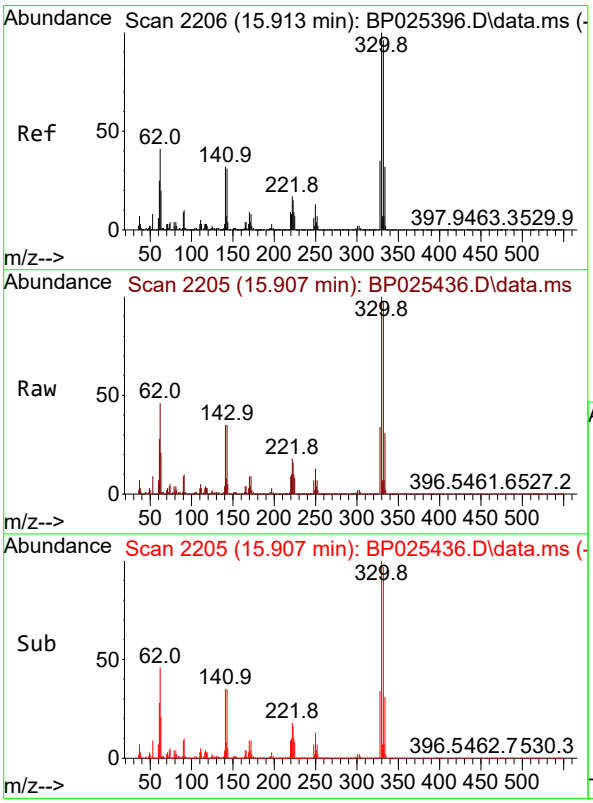
#41
Hexachlorocyclopentadiene
Concen: 37.087 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 295524

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.7	82.7
272	12.7	0.0	34.0

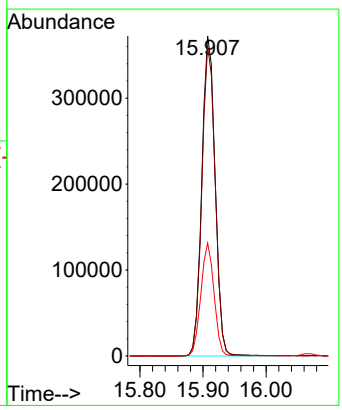


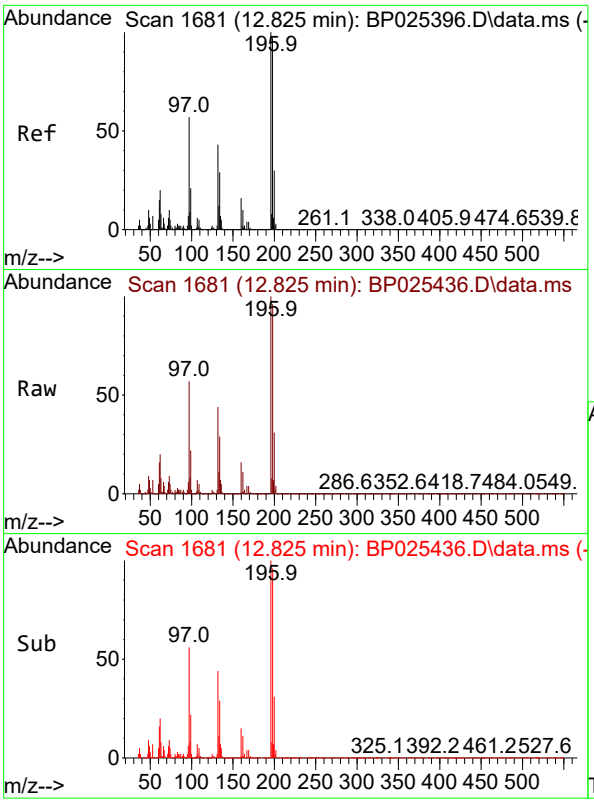


#42
2,4,6-Tribromophenol
Concen: 88.488 ng
RT: 15.907 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:330 Resp: 544037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	35.0	26.6	39.8



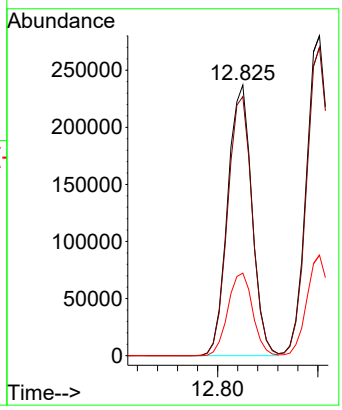


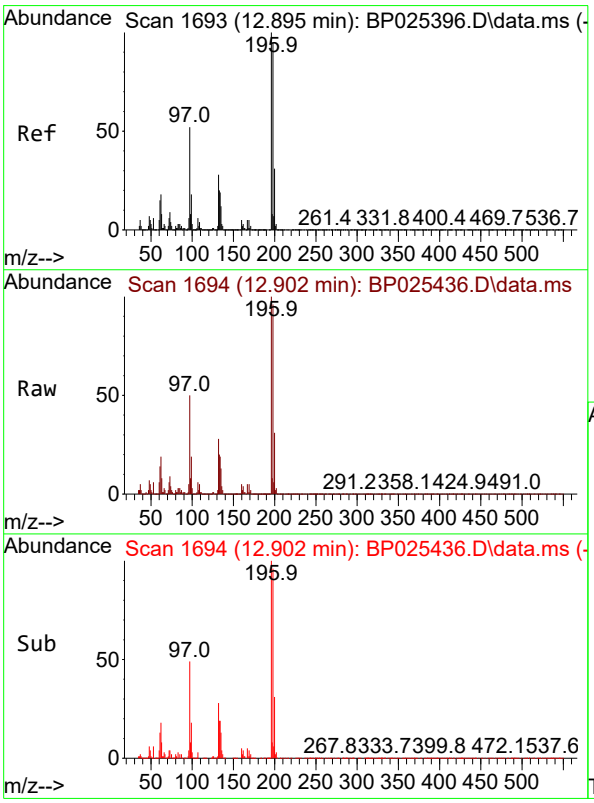
#43
2,4,6-Trichlorophenol
Concen: 44.759 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 398621

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.2	115.8
200	30.5	23.9	35.9

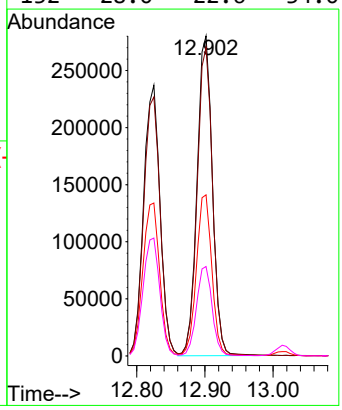


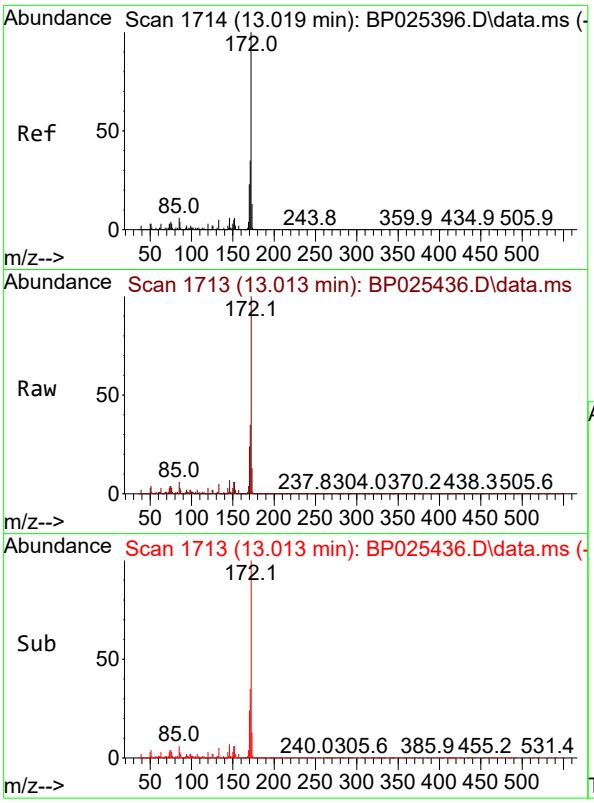


#44
2,4,5-Trichlorophenol
Concen: 45.101 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:196 Resp: 440218

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	50.4	41.2	61.8
132	28.0	22.6	34.0



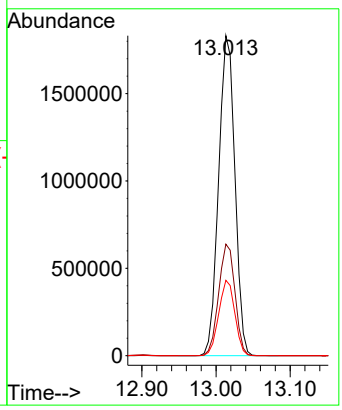


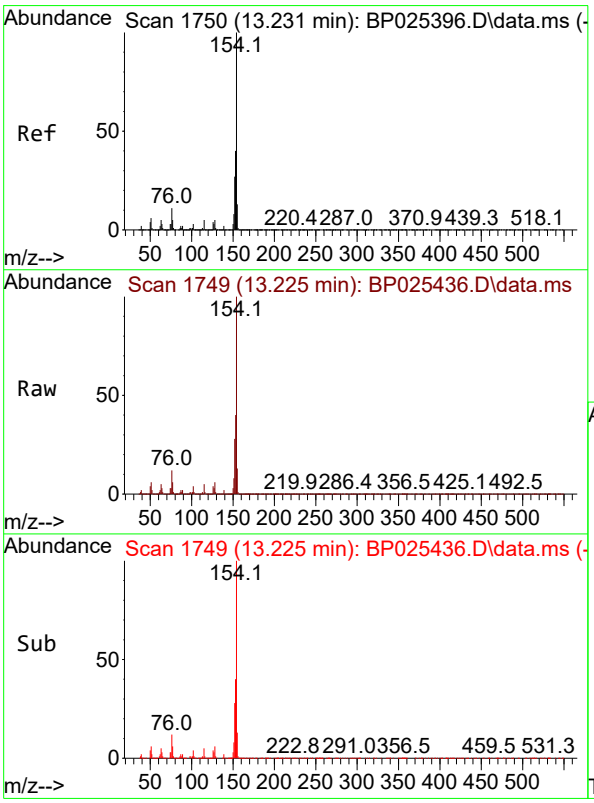
#45
2-Fluorobiphenyl
Concen: 83.499 ng
RT: 13.013 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2790655

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.5	18.6	28.0

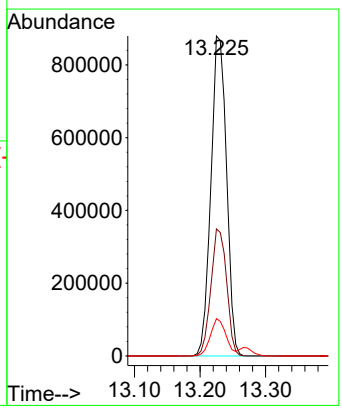


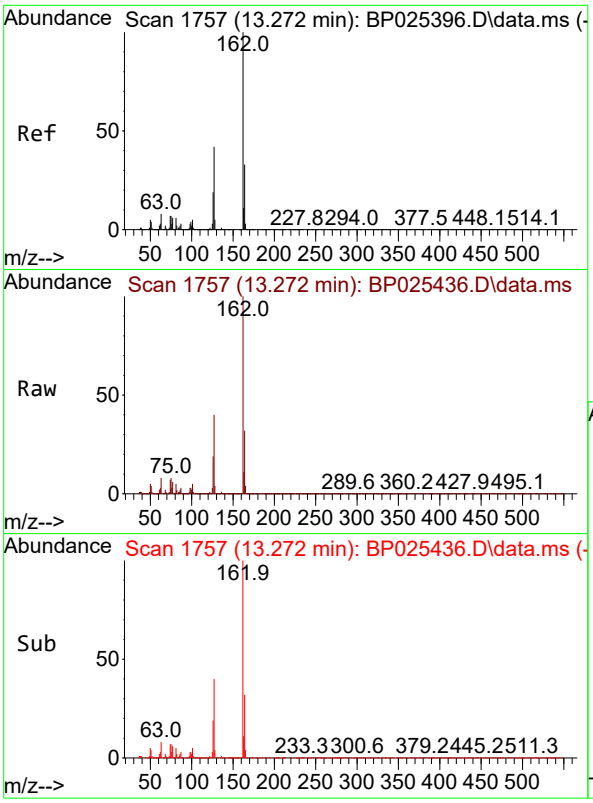


#46
1,1'-Biphenyl
Concen: 43.790 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1452635

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.5	59.5
76	11.6	0.0	31.1



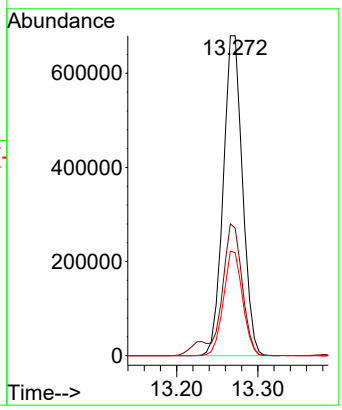


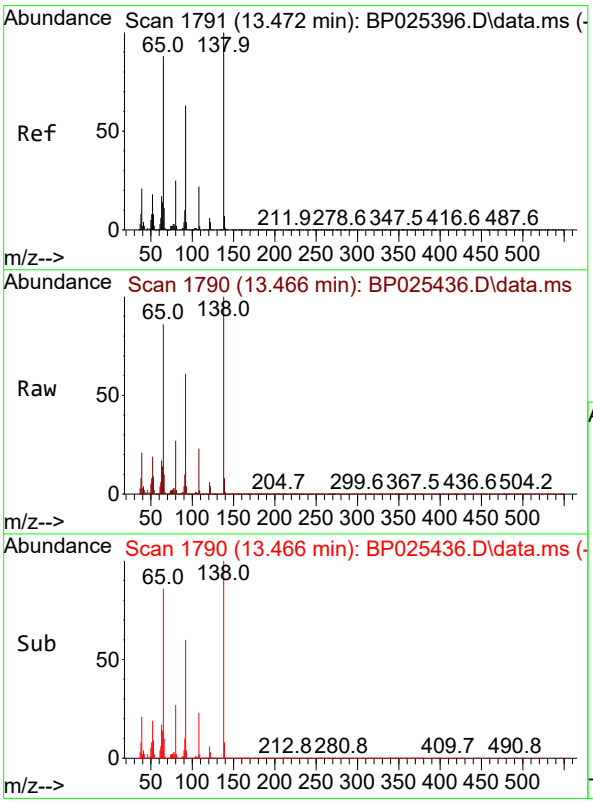
#47
2-Chloronaphthalene
Concen: 43.406 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1120958

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	32.2	26.2	39.2

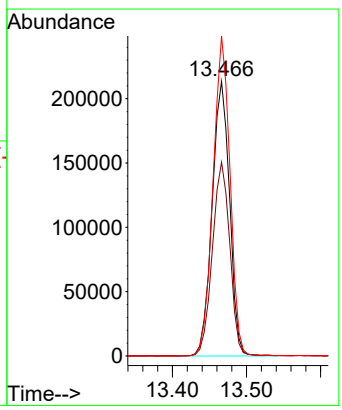


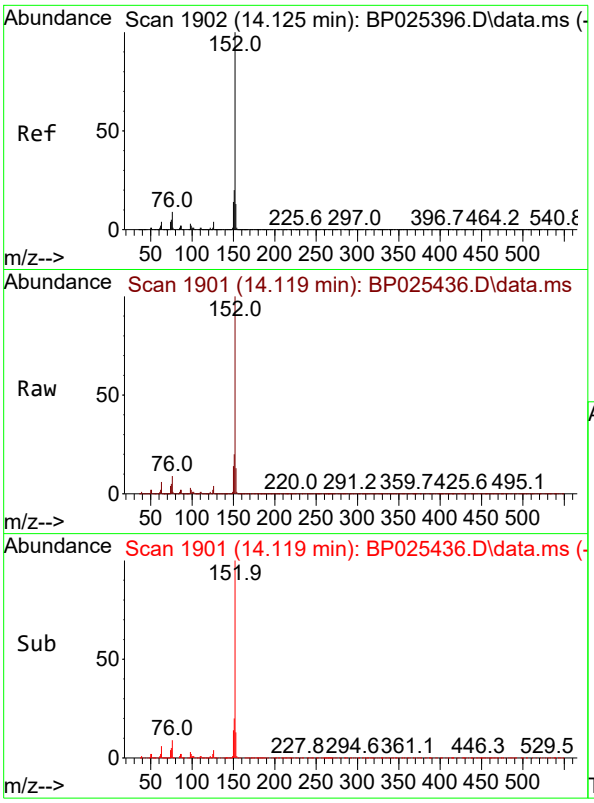


#48
2-Nitroaniline
Concen: 46.337 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion: 65 Resp: 348676

Ion	Ratio	Lower	Upper
65	100		
92	70.5	57.6	86.4
138	116.5	91.0	136.6



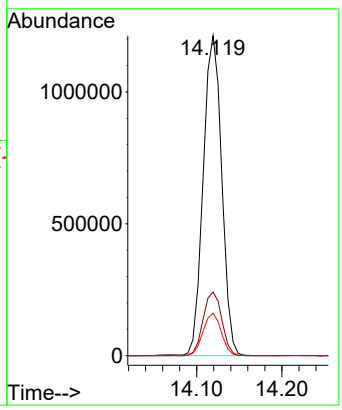


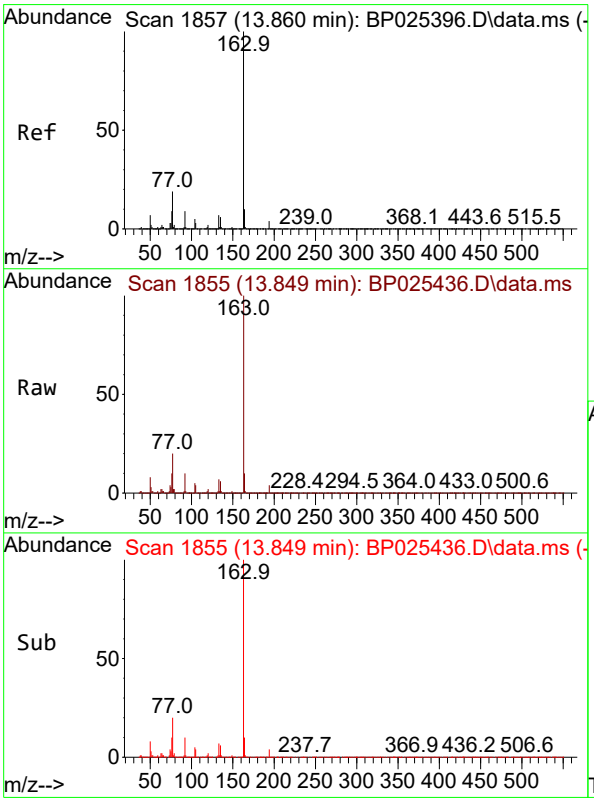
#49
Acenaphthylene
Concen: 42.840 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1830675

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.3	10.6	15.8

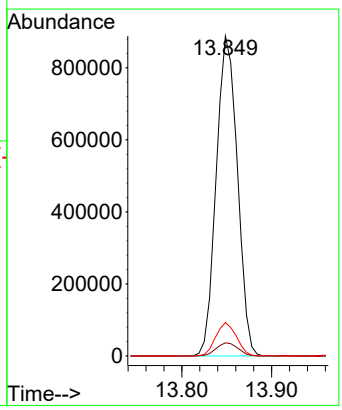


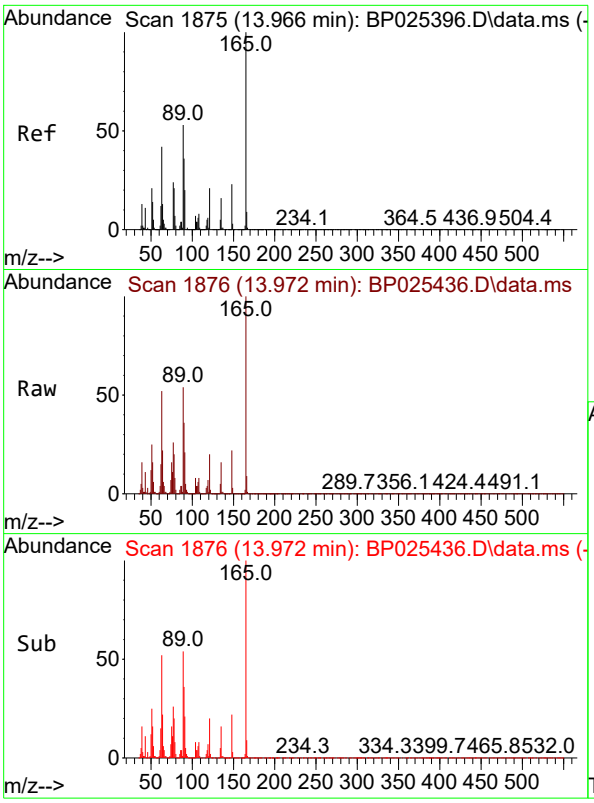


#50
Dimethylphthalate
Concen: 43.502 ng
RT: 13.849 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:163 Resp: 1455084

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	7.9	11.9



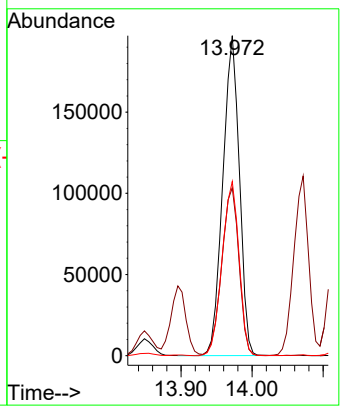


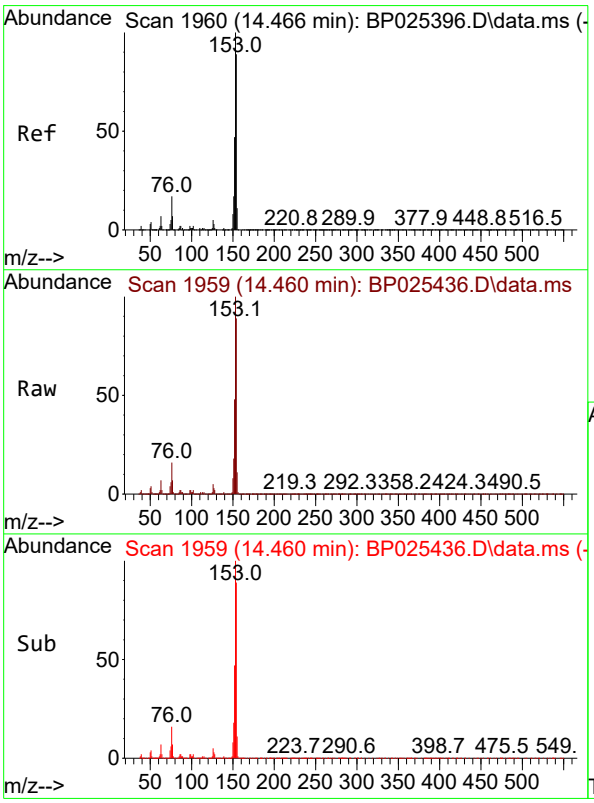
#51
2,6-Dinitrotoluene
Concen: 45.175 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 318483

Ion	Ratio	Lower	Upper
165	100		
63	52.5	40.9	61.3
89	54.4	42.1	63.1

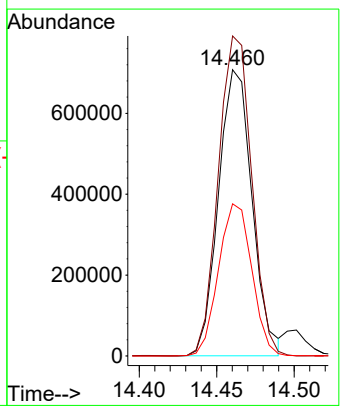


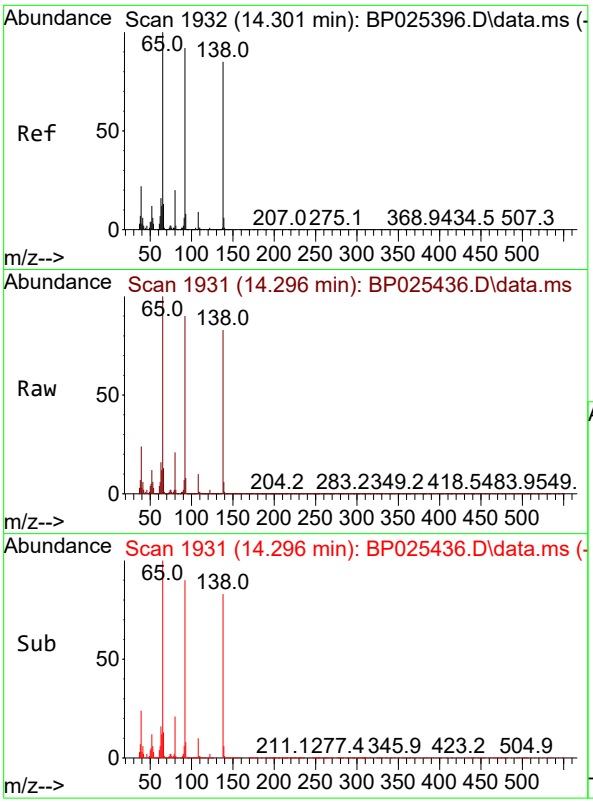


#52
Acenaphthene
Concen: 42.553 ng
RT: 14.460 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:154 Resp: 1067358

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.2	135.2
152	53.2	42.1	63.1



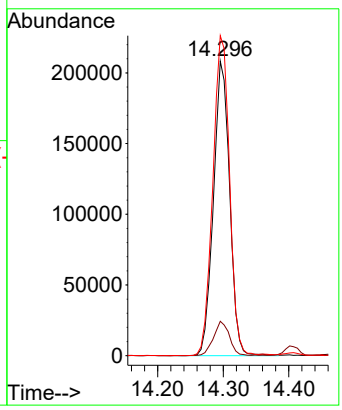


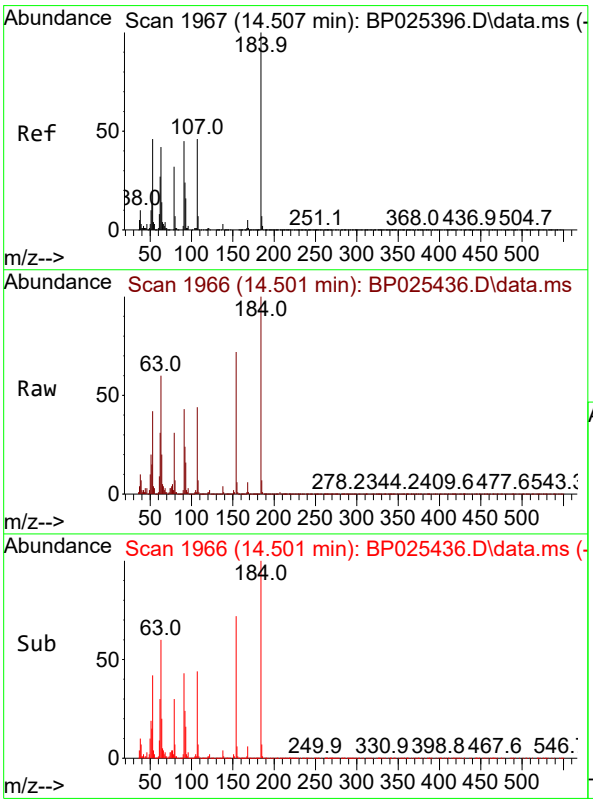
#53
3-Nitroaniline
Concen: 44.932 ng
RT: 14.296 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 356395

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	108.6	86.2	129.2

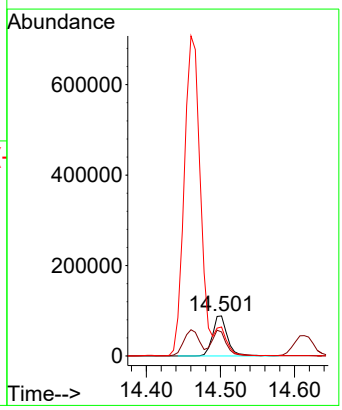


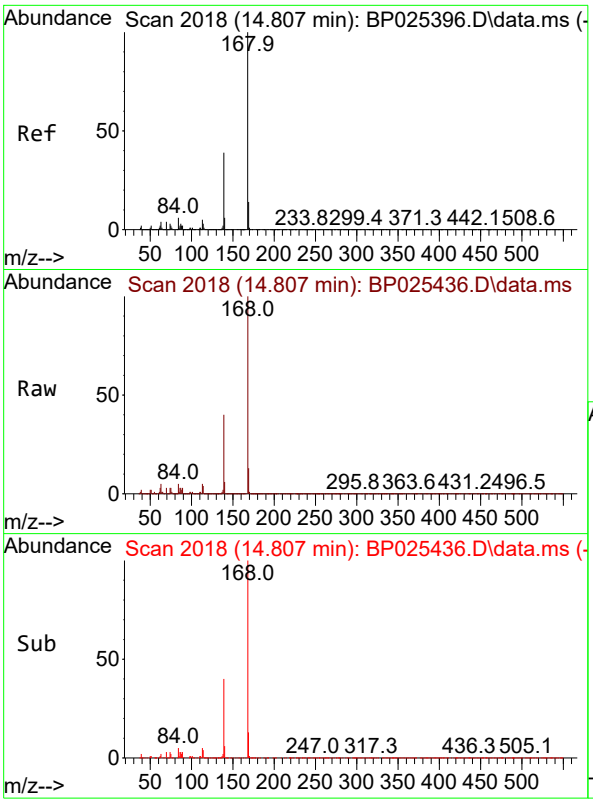


#54
2,4-Dinitrophenol
Concen: 32.634 ng
RT: 14.501 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:184 Resp: 122865

Ion	Ratio	Lower	Upper
184	100		
63	60.0	49.4	74.2
154	72.5	54.6	82.0



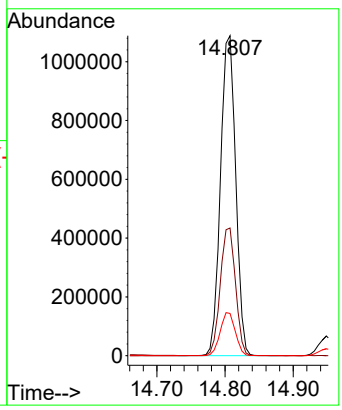


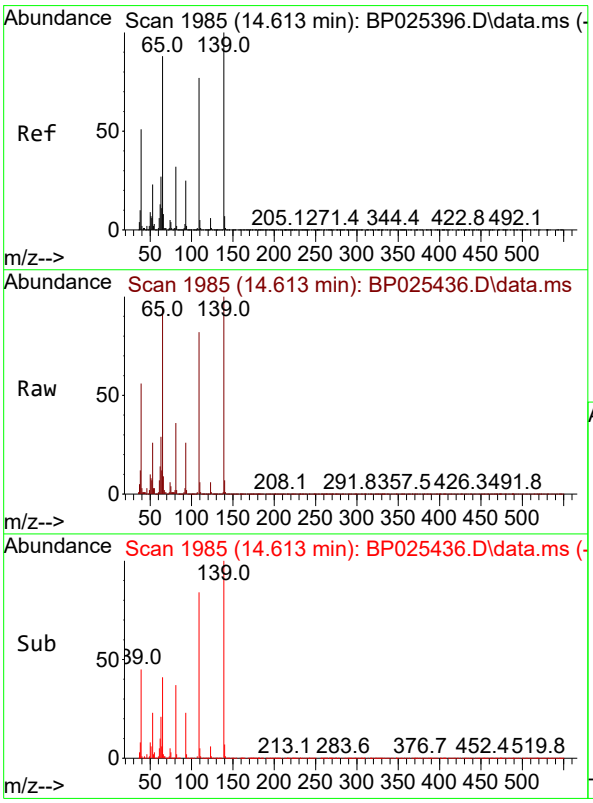
#55
Dibenzofuran
Concen: 42.593 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1689125

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.5	47.3
169	13.2	10.9	16.3

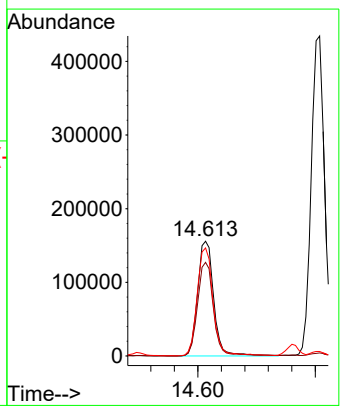


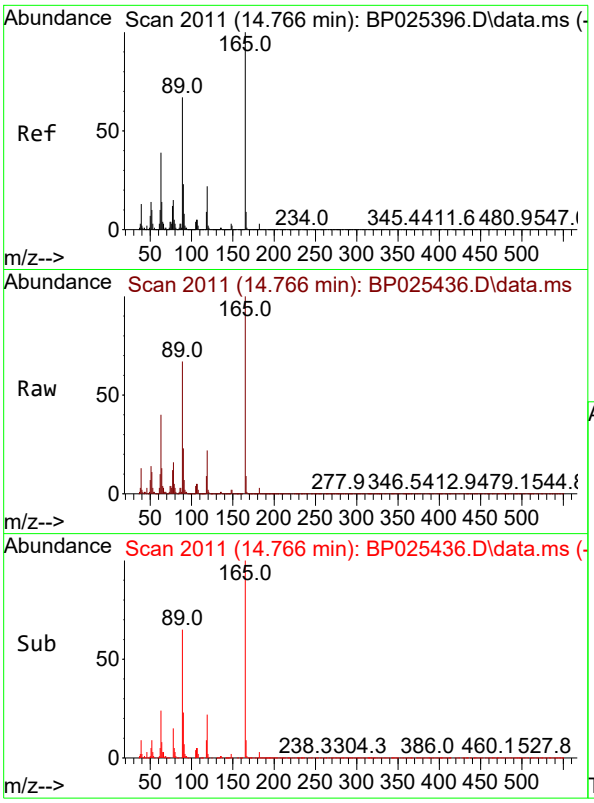


#56
4-Nitrophenol
Concen: 45.358 ng
RT: 14.613 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:139 Resp: 295639

Ion	Ratio	Lower	Upper
139	100		
109	81.5	56.6	96.6
65	94.1	68.2	108.2



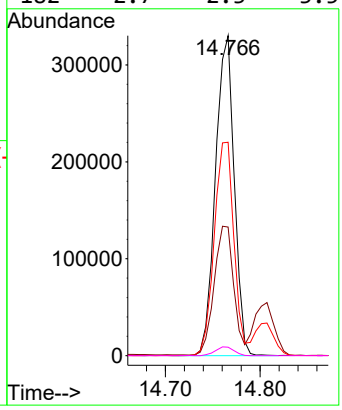


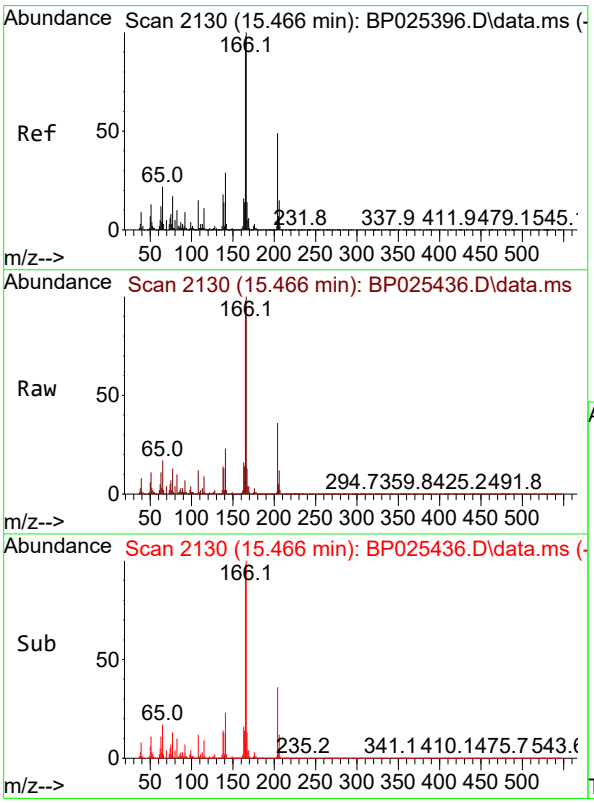
#57
2,4-Dinitrotoluene
Concen: 45.189 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 454531

Ion	Ratio	Lower	Upper
165	100		
63	40.2	31.4	47.2
89	66.7	53.3	79.9
182	2.7	2.3	3.5

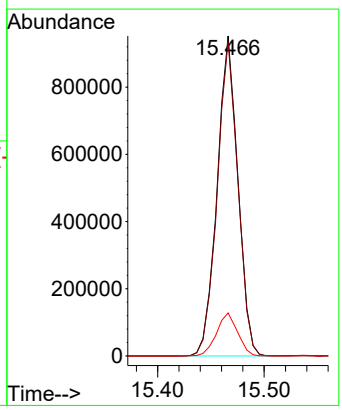


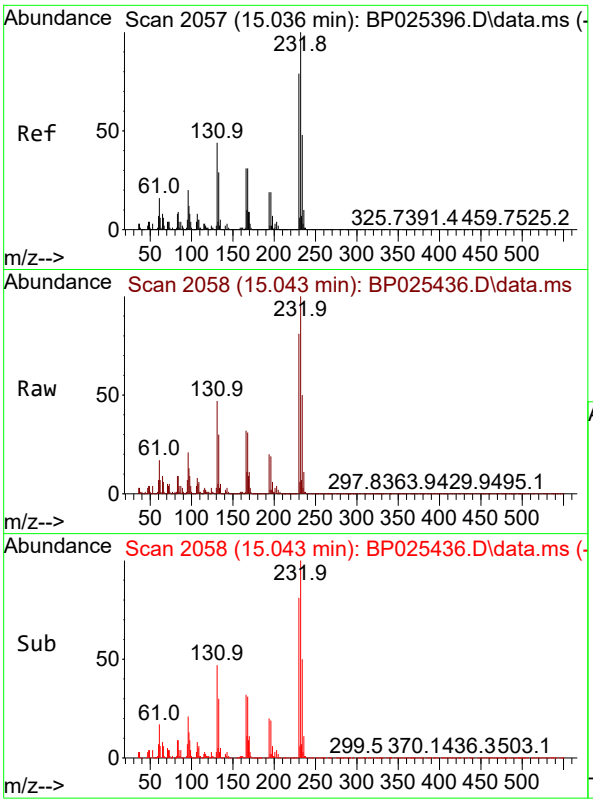


#58
Fluorene
Concen: 41.160 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:166 Resp: 1287972

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.8	118.2
167	13.5	11.0	16.4



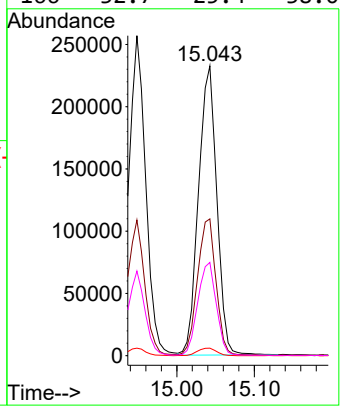


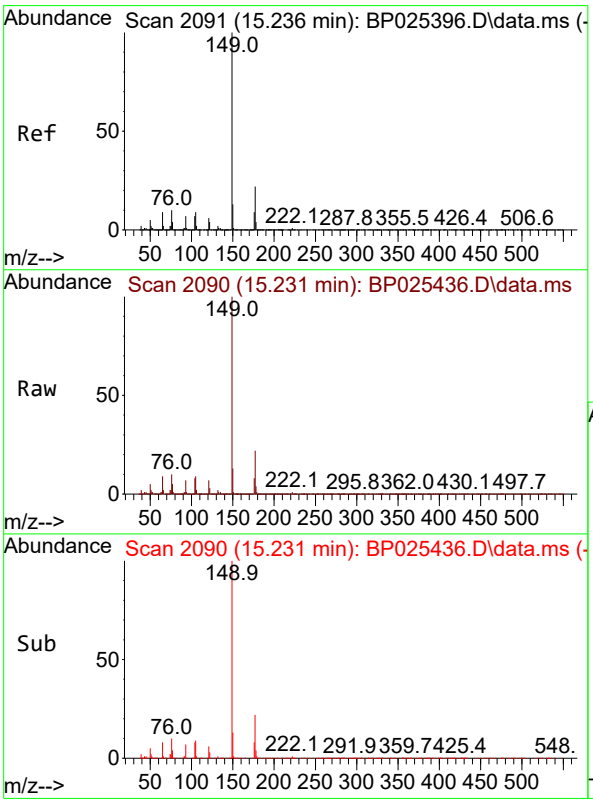
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.201 ng
RT: 15.043 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 380952

Ion	Ratio	Lower	Upper
232	100		
131	48.7	37.0	55.6
130	2.7	1.9	2.9
166	32.7	25.4	38.0

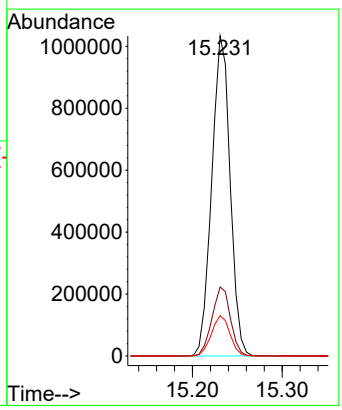


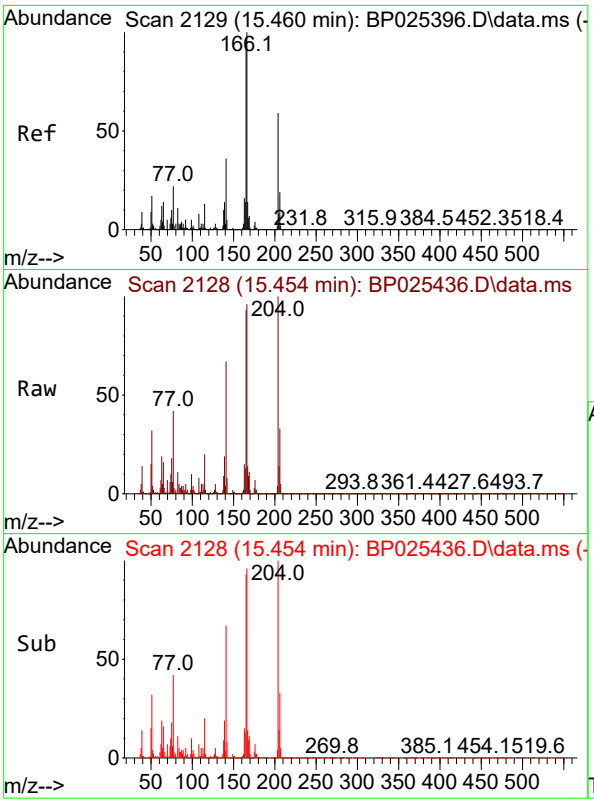


#60
Diethylphthalate
Concen: 43.195 ng
RT: 15.231 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1468089

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	12.6	10.3	15.5



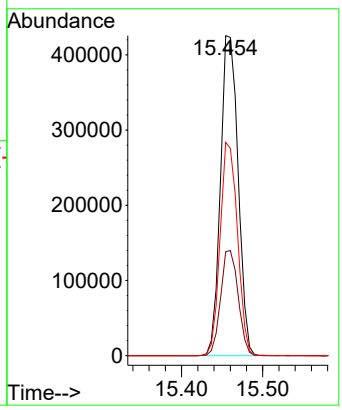


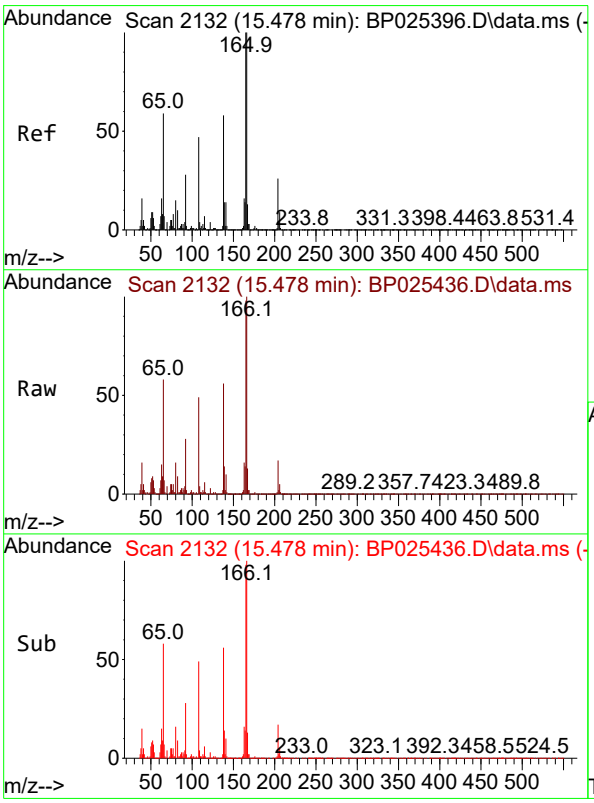
#61
4-Chlorophenyl-phenylether
Concen: 41.240 ng
RT: 15.454 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 641804

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.8
141	66.7	49.4	74.2

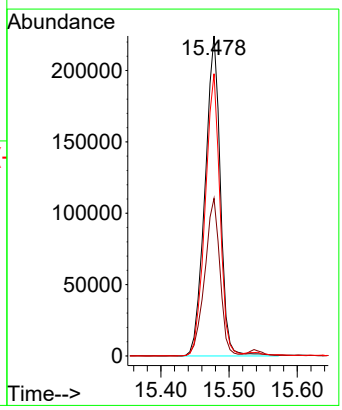


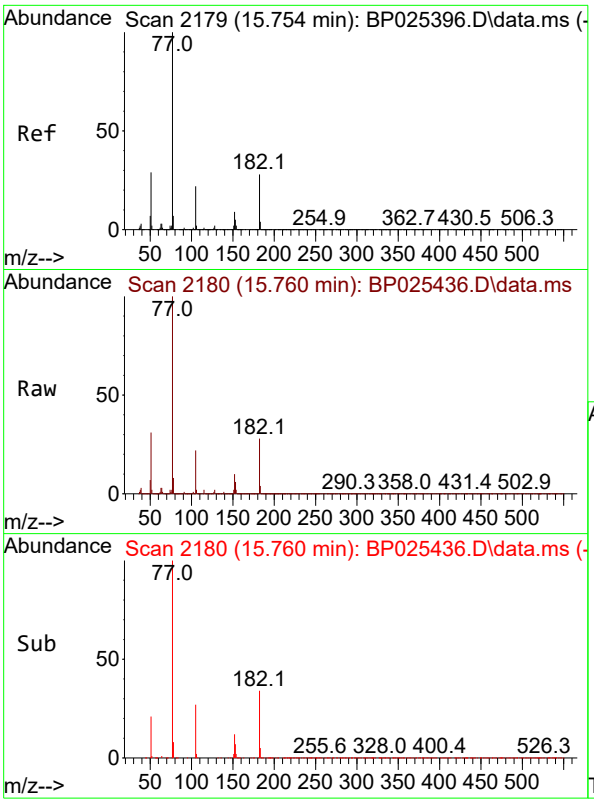


#62
4-Nitroaniline
Concen: 43.130 ng
RT: 15.478 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:138 Resp: 350711

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.1	69.1
108	88.2	61.5	101.5



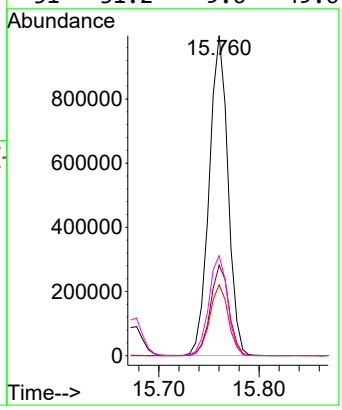


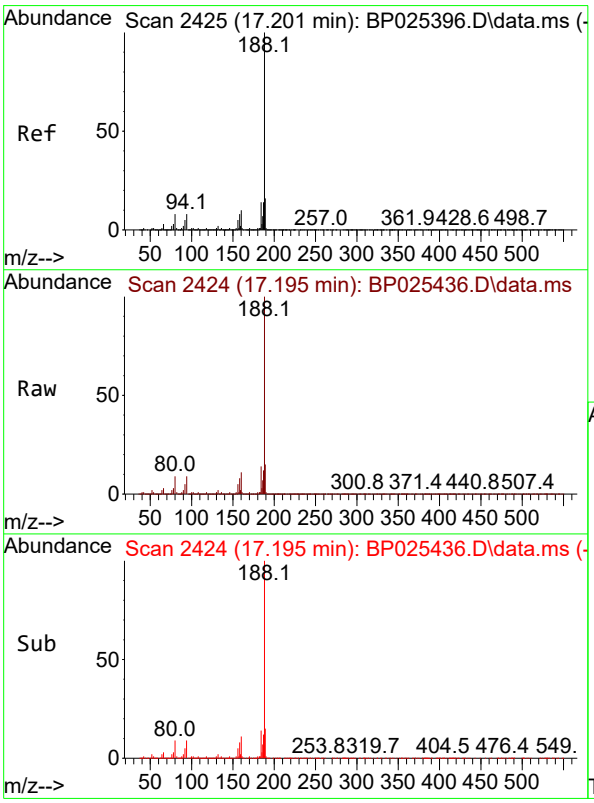
#63
Azobenzene
Concen: 44.580 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1297353

Ion	Ratio	Lower	Upper
77	100		
182	28.3	7.5	47.5
105	22.1	2.1	42.1
51	31.2	9.6	49.6

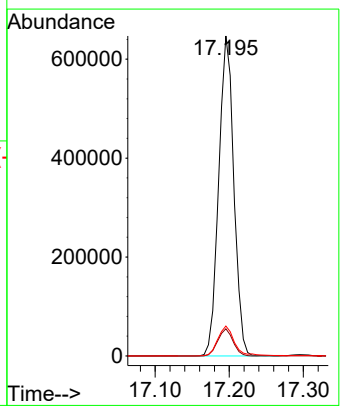


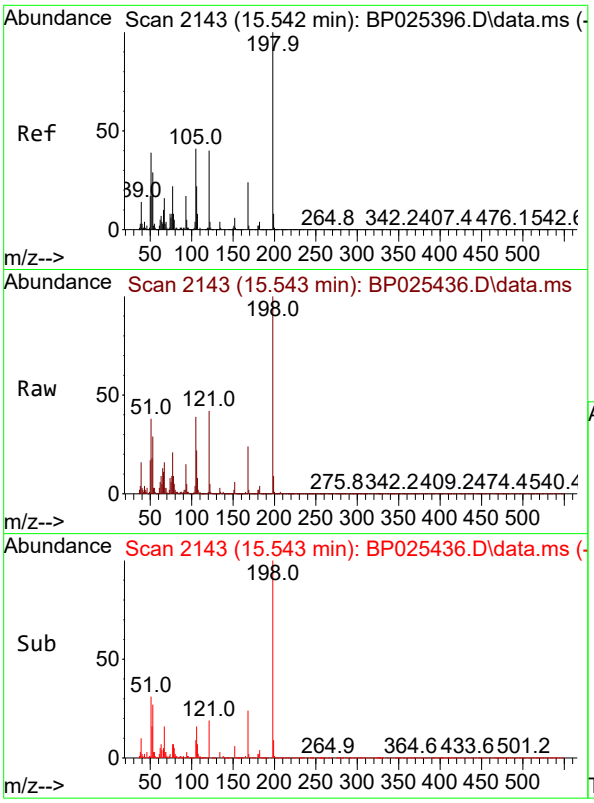


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:188 Resp: 916670

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	6.7	10.1



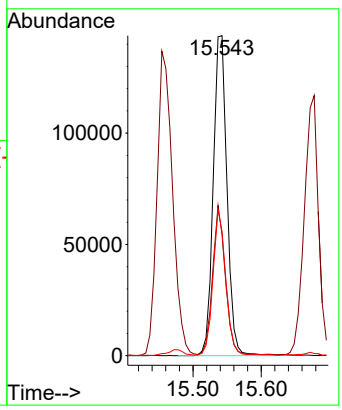


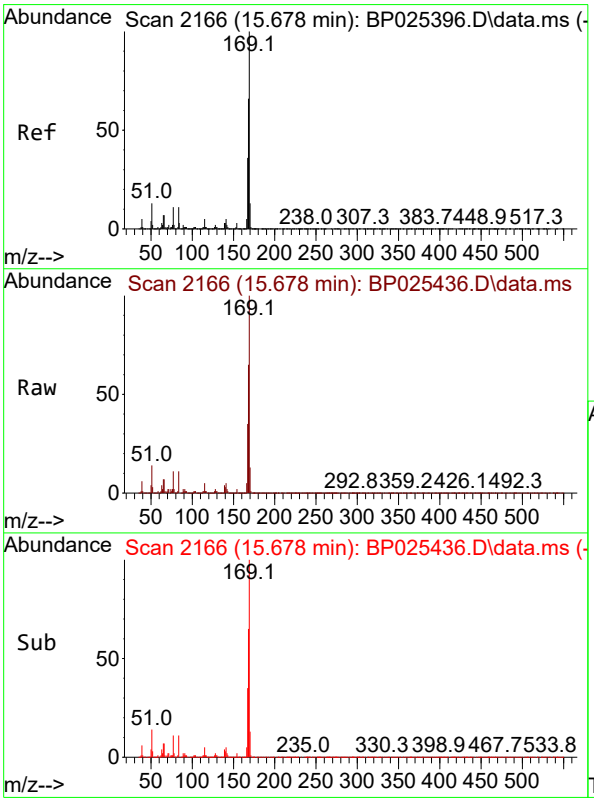
#65
4,6-Dinitro-2-methylphenol
Concen: 35.341 ng
RT: 15.543 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 201944

Ion	Ratio	Lower	Upper
198	100		
51	37.8	19.6	59.6
105	38.8	20.9	60.9

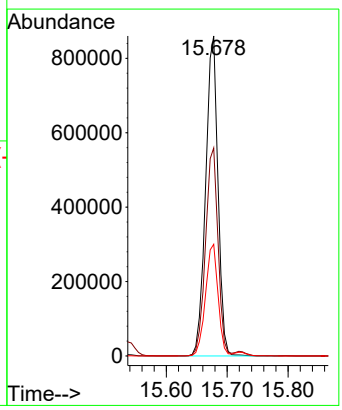


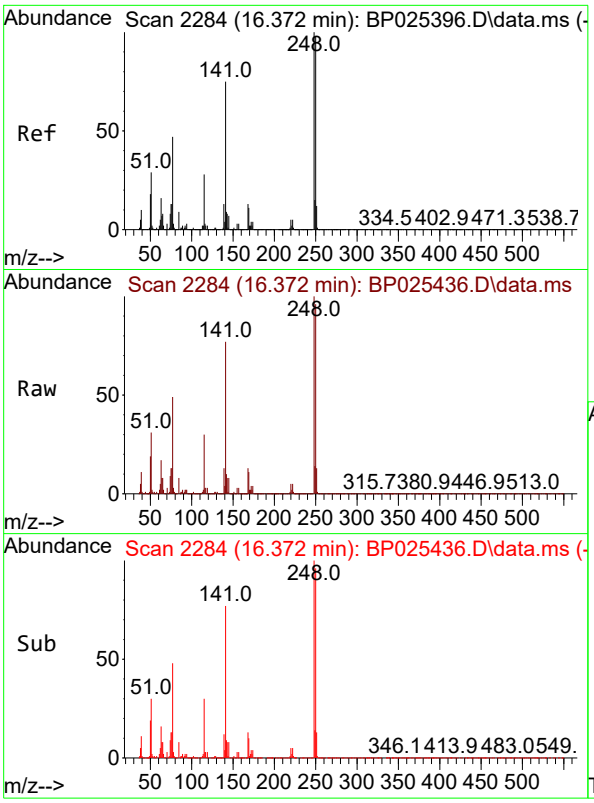


#66
n-Nitrosodiphenylamine
Concen: 43.243 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:169 Resp: 1208784

Ion	Ratio	Lower	Upper
169	100		
168	65.0	53.2	79.8
167	34.9	28.7	43.1



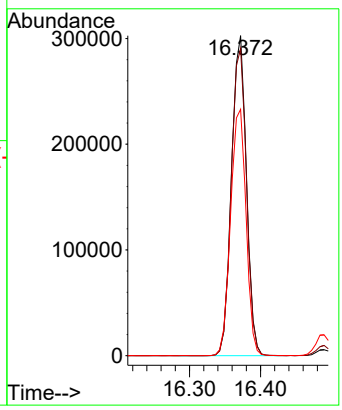


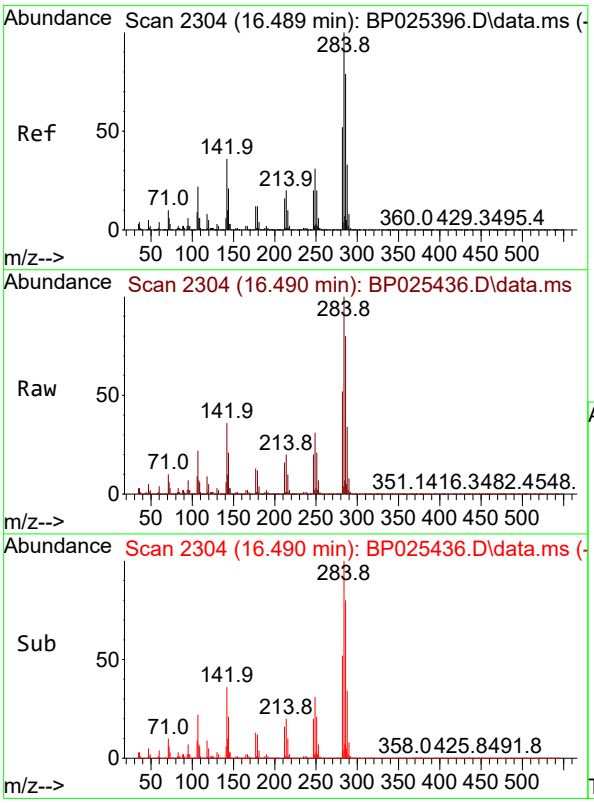
#67
4-Bromophenyl-phenylether
Concen: 43.928 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 442865

Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.2	117.2
141	77.0	59.6	89.4

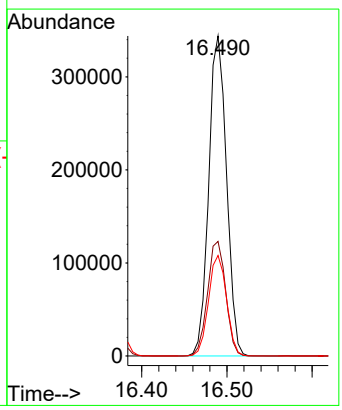


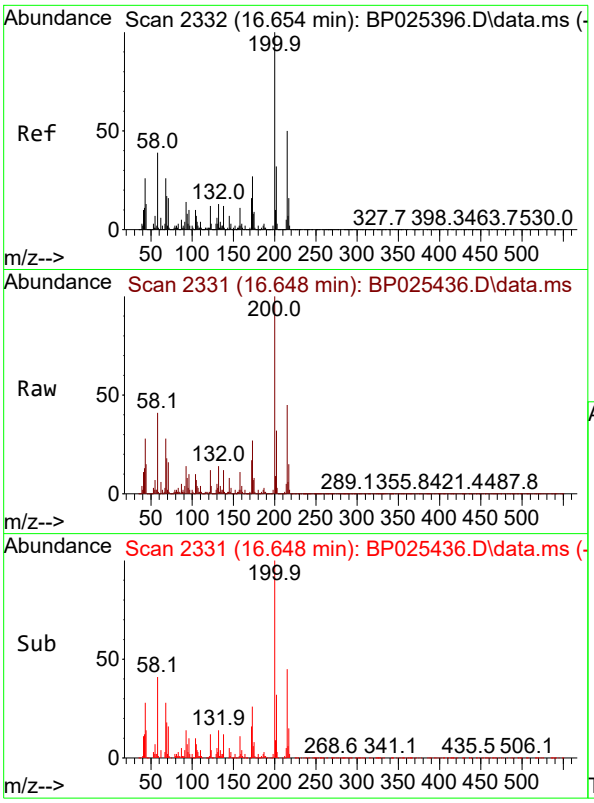


#68
Hexachlorobenzene
Concen: 42.691 ng
RT: 16.490 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:284 Resp: 498920

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.1	43.7
249	31.4	25.0	37.4



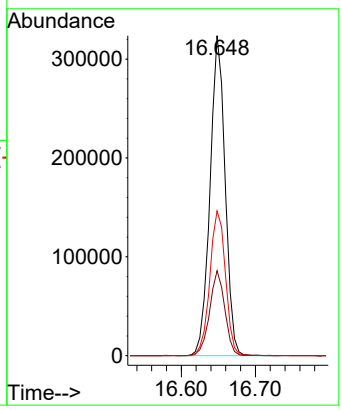


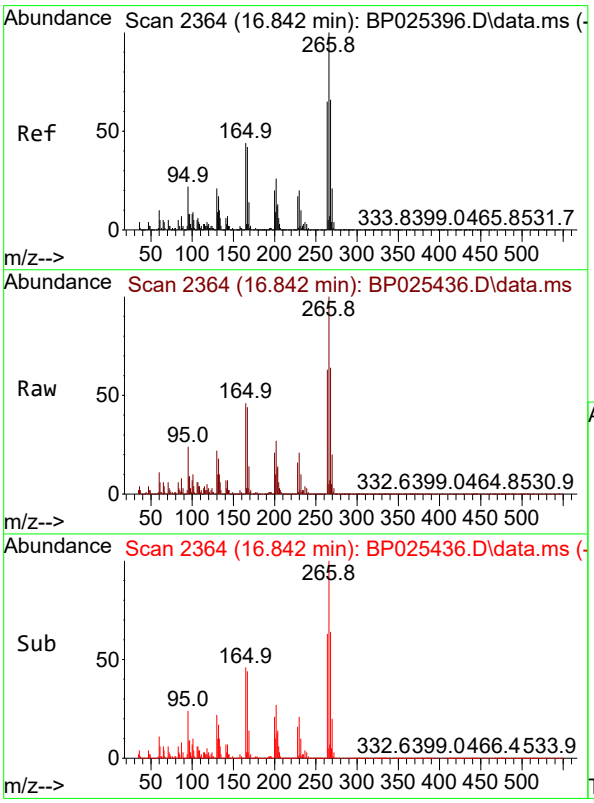
#69
Atrazine
Concen: 43.775 ng
RT: 16.648 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 458257

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.7	46.7
215	45.3	29.7	69.7

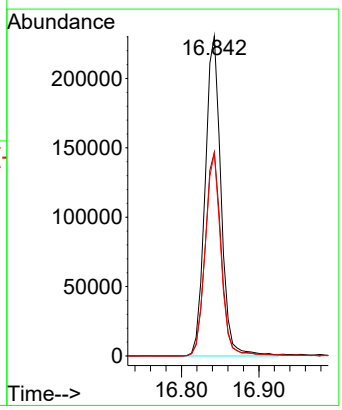


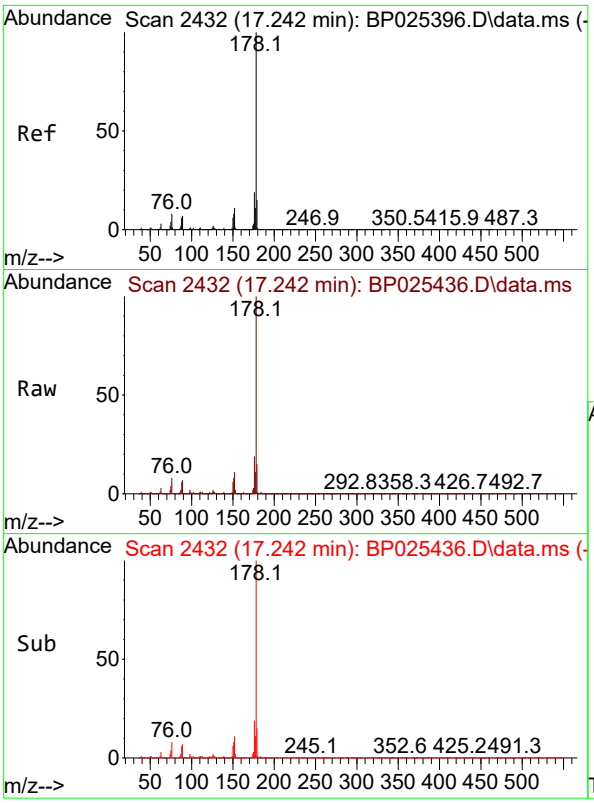


#70
Pentachlorophenol
Concen: 44.342 ng
RT: 16.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:266 Resp: 327120

Ion	Ratio	Lower	Upper
266	100		
268	63.7	52.6	79.0
264	63.4	52.0	78.0



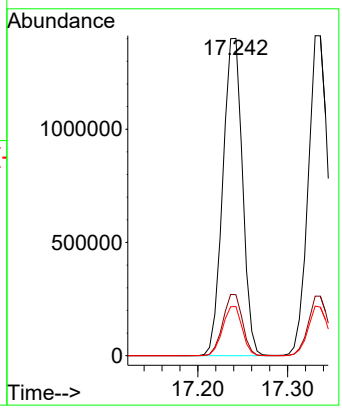


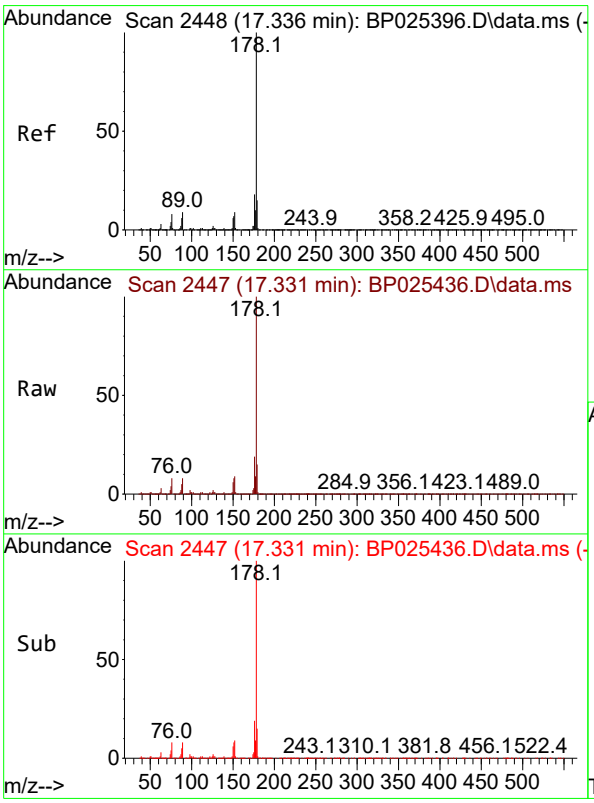
#71
Phenanthrene
Concen: 42.302 ng
RT: 17.242 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2130157

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.2	18.4

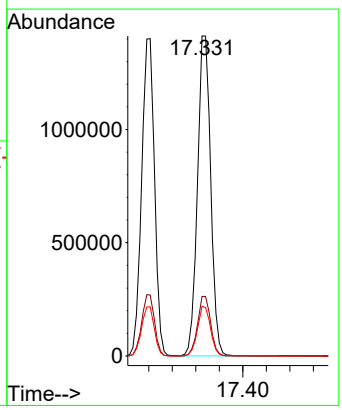


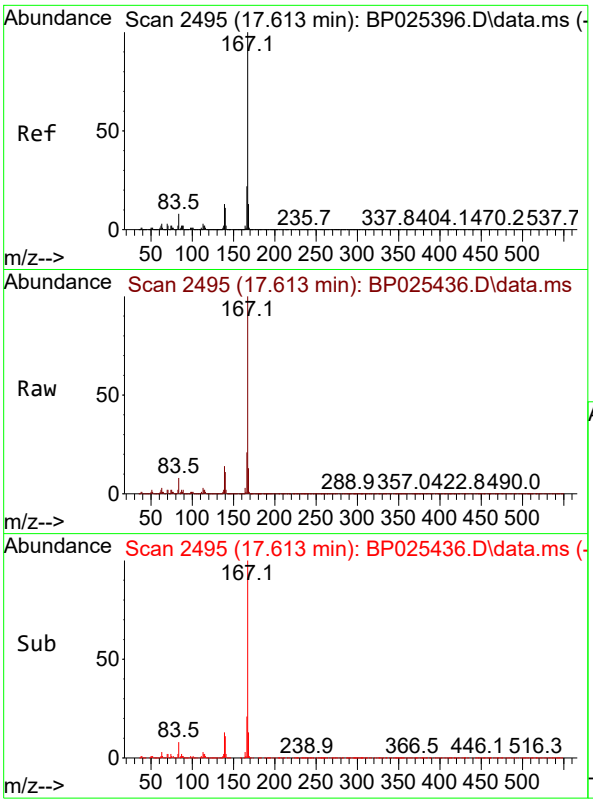


#72
Anthracene
Concen: 42.872 ng
RT: 17.331 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:178 Resp: 2204625

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.2	18.2



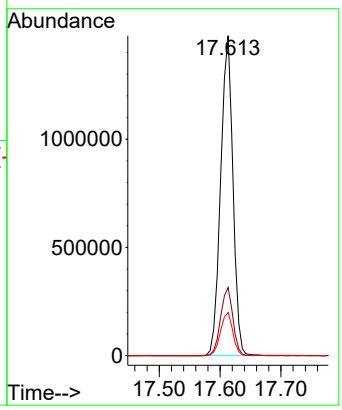


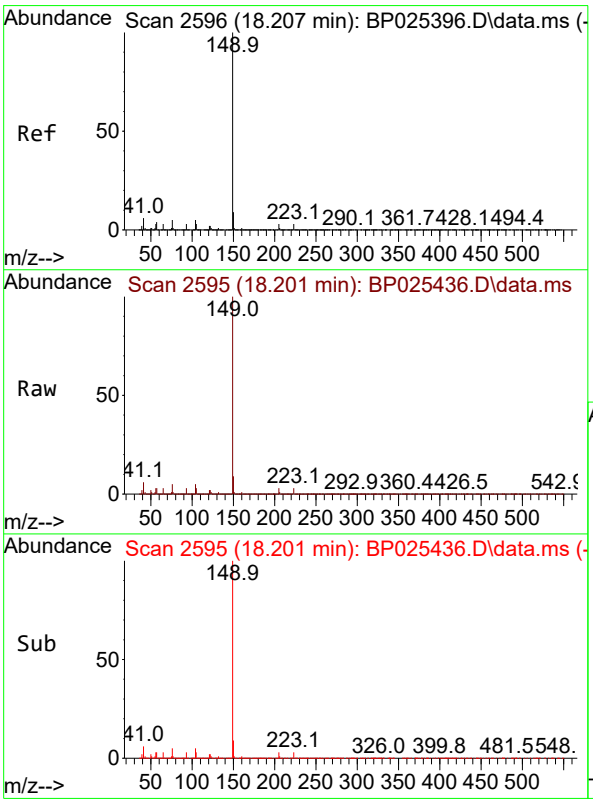
#73
Carbazole
Concen: 42.695 ng
RT: 17.613 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 2067991

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.5	10.6	16.0

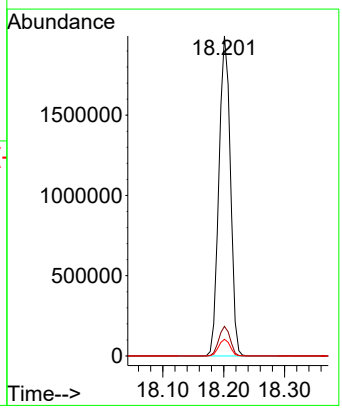


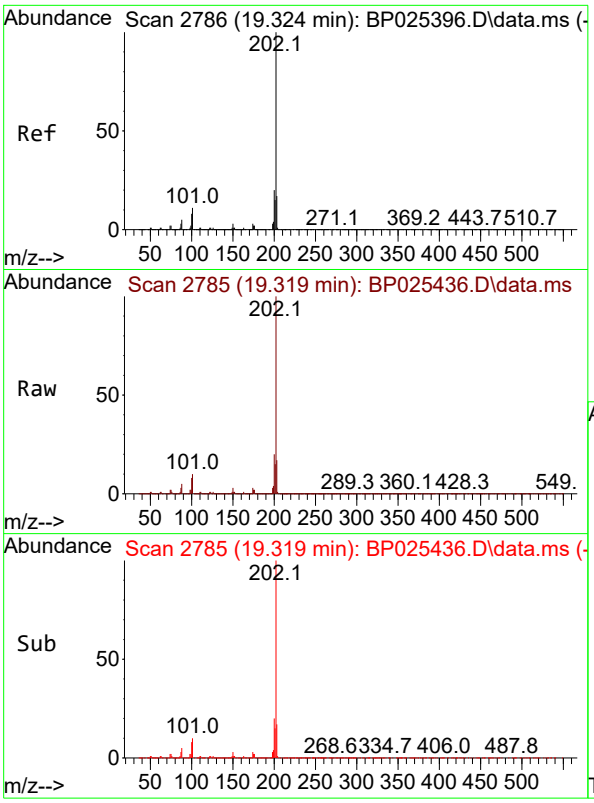


#74
Di-n-butylphthalate
Concen: 43.693 ng
RT: 18.201 min Scan# 2595
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 2603783

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



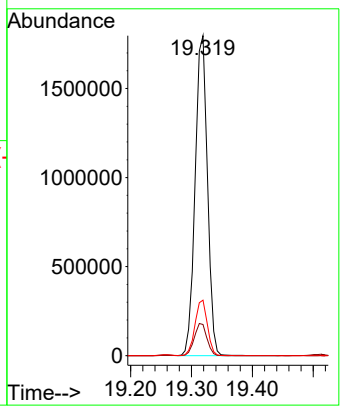


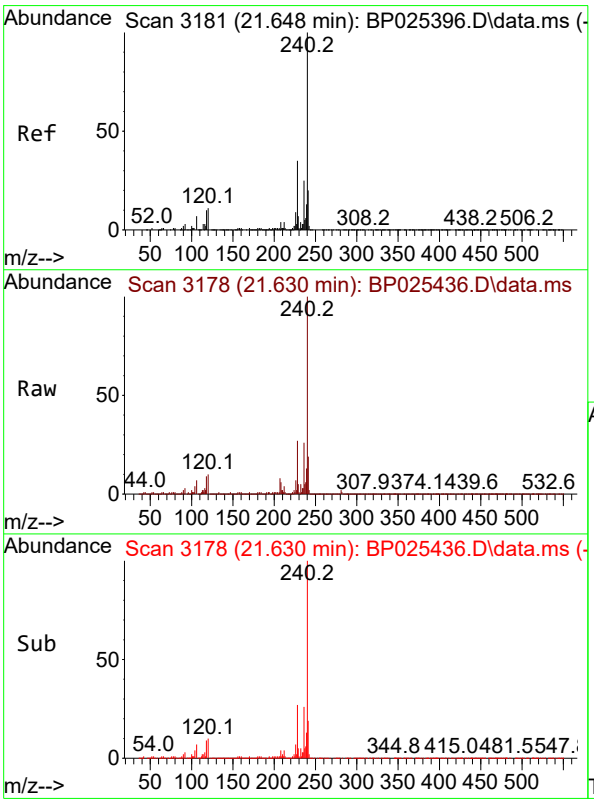
#75
Fluoranthene
Concen: 41.933 ng
RT: 19.319 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2518758

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.1
203	17.3	0.0	37.3

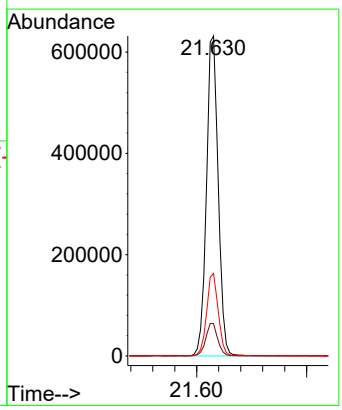


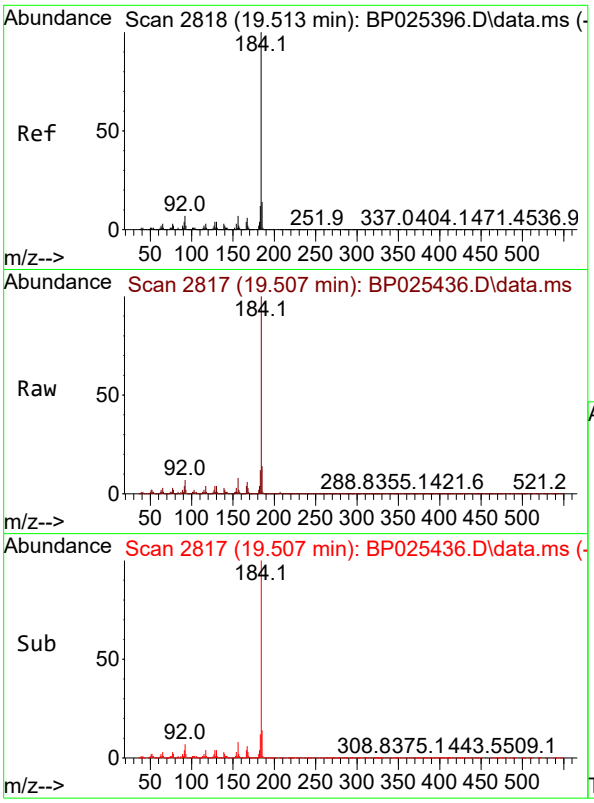


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:240 Resp: 933454

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.8	19.8	29.8



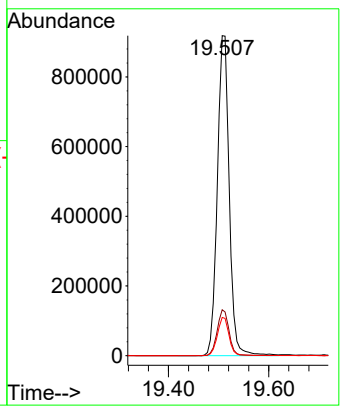


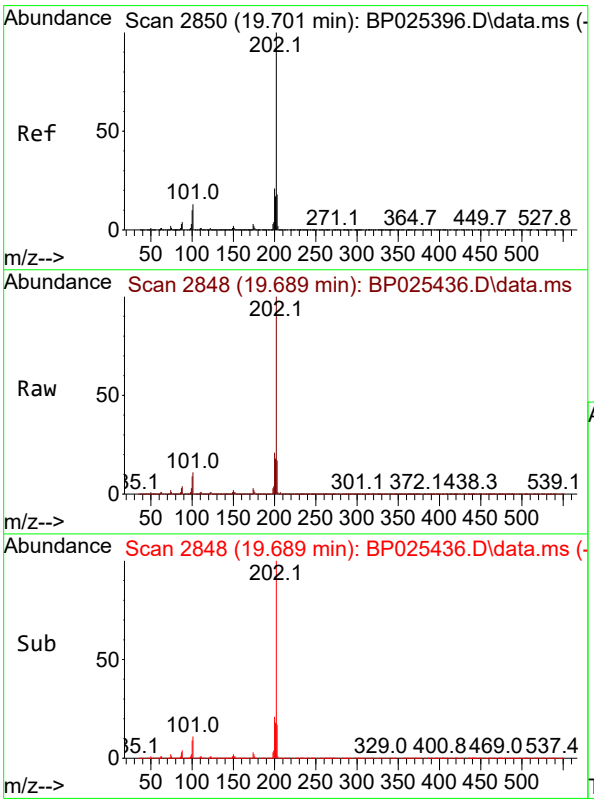
#77
Benzidine
Concen: 47.349 ng
RT: 19.507 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1508404

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.0	9.4	14.2

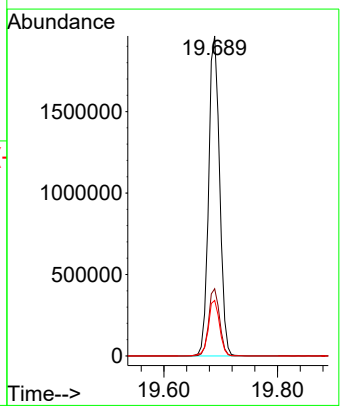


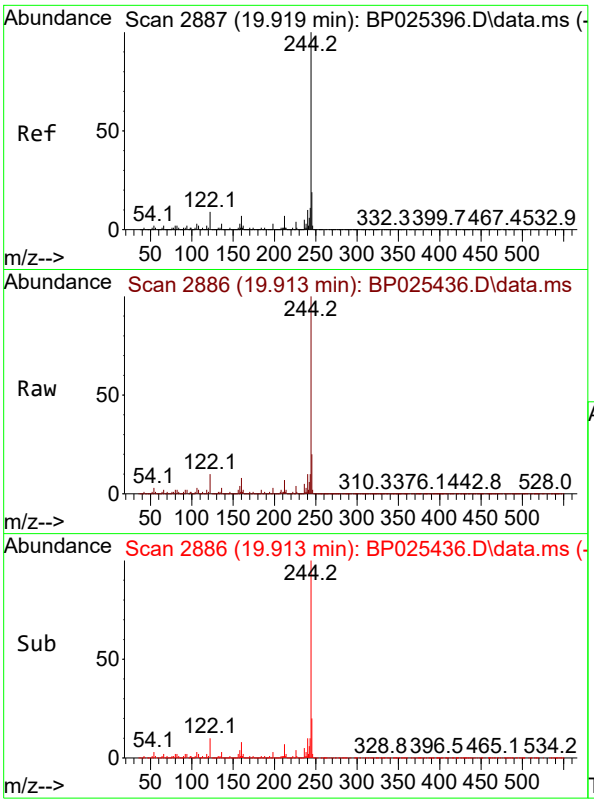


#78
Pyrene
Concen: 43.183 ng
RT: 19.689 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:202 Resp: 2619981

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.3	14.2	21.2



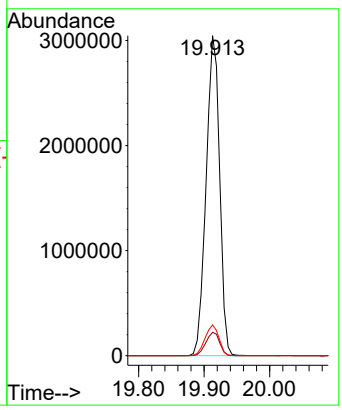


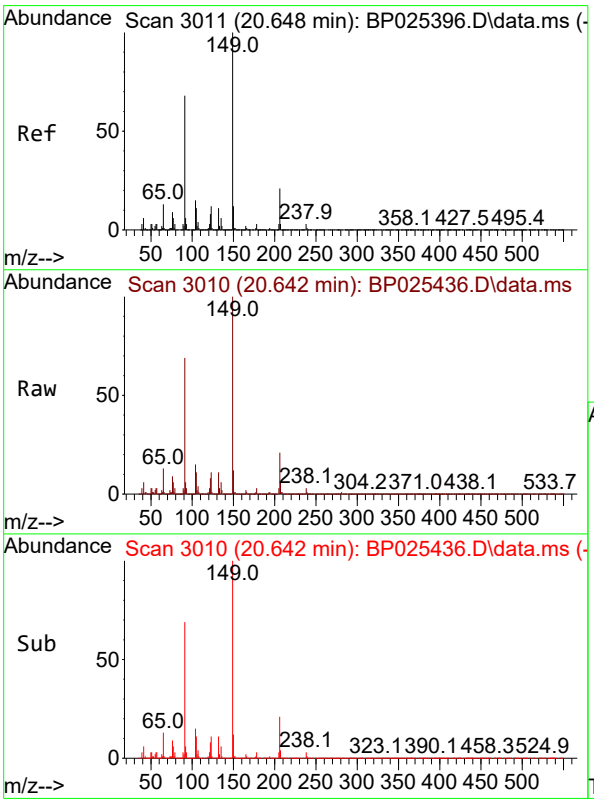
#79
Terphenyl-d14
Concen: 85.603 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 4367516

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.6	7.4	11.2

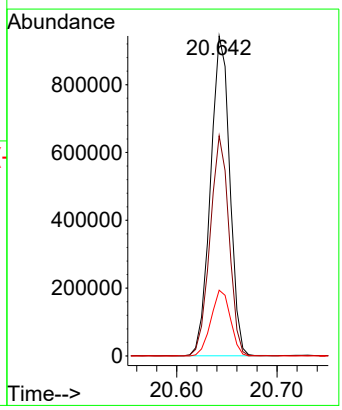


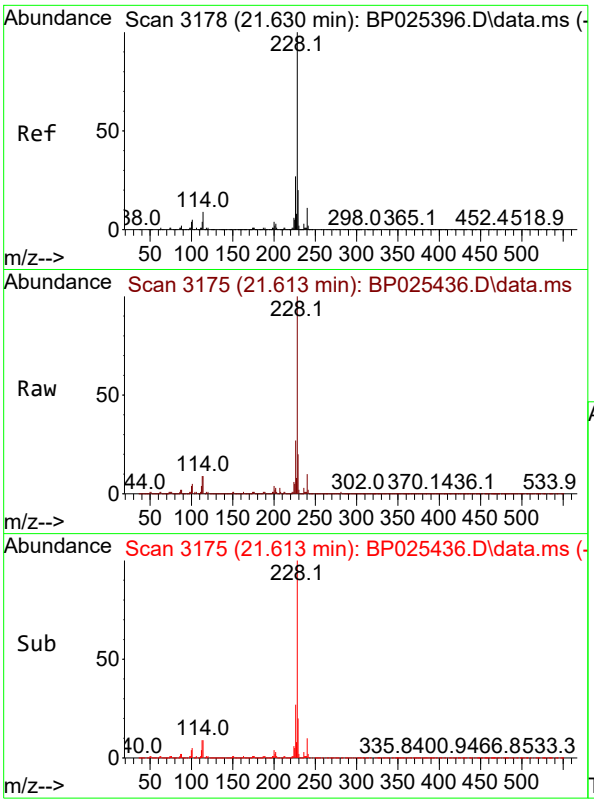


#80
Butylbenzylphthalate
Concen: 45.693 ng
RT: 20.642 min Scan# 3010
Delta R.T. -0.006 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1256440

Ion	Ratio	Lower	Upper
149	100		
91	68.8	54.2	81.2
206	20.6	16.6	24.8



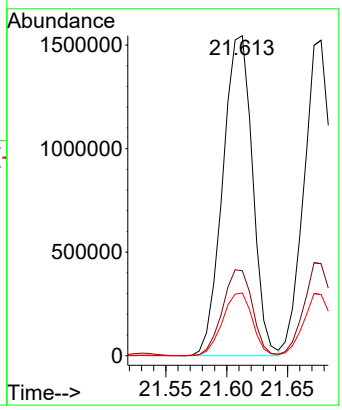


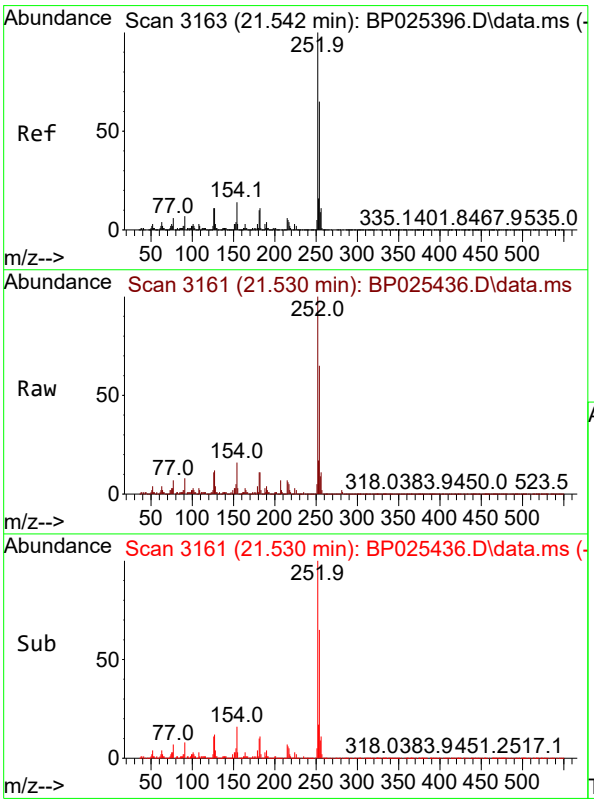
#81
Benzo(a)anthracene
Concen: 42.665 ng
RT: 21.613 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2626516

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.6	15.6	23.4

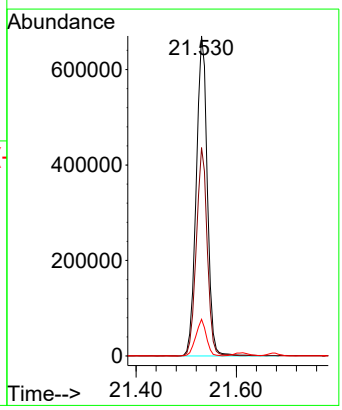


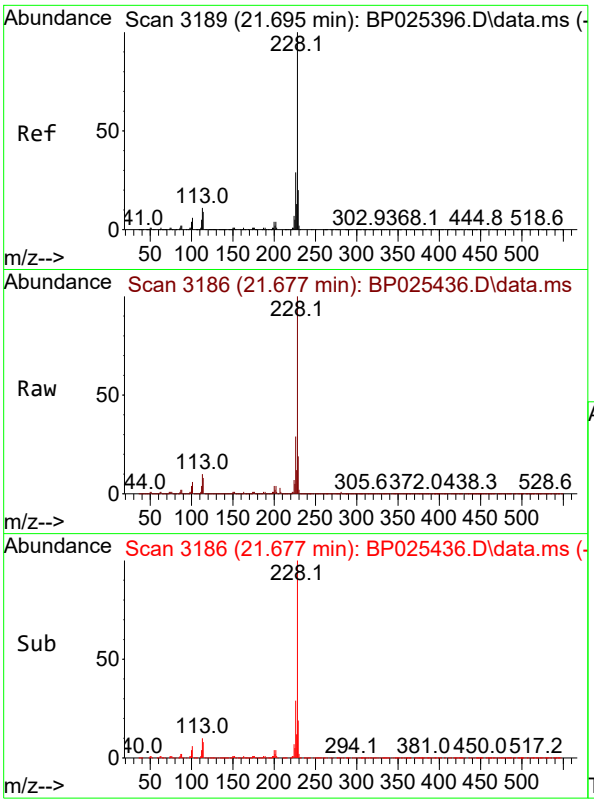


#82
3,3'-Dichlorobenzidine
Concen: 44.224 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 1026166

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.8	77.6
126	11.5	9.1	13.7



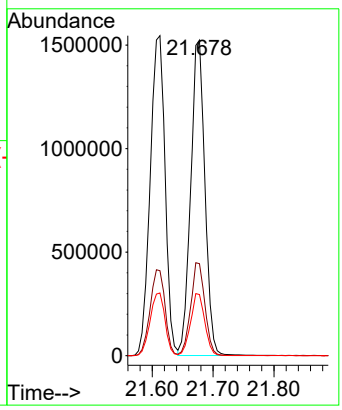


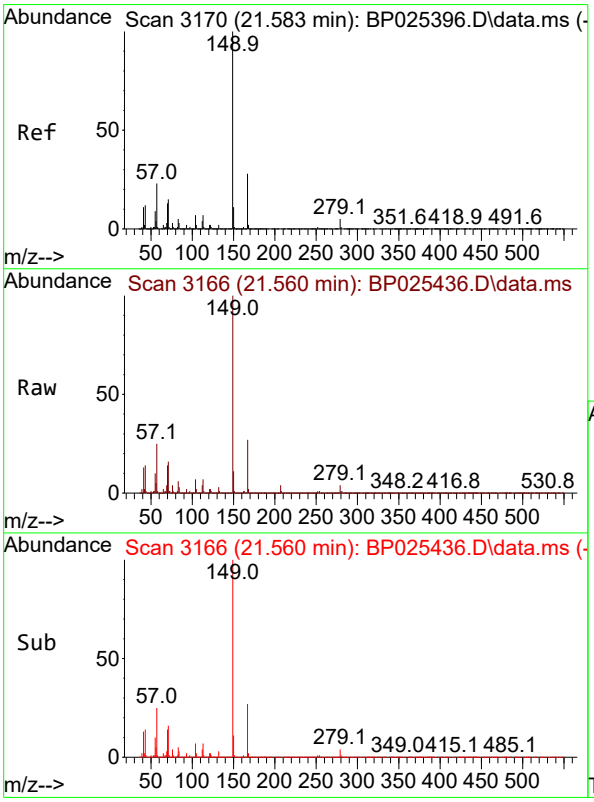
#83
Chrysene
Concen: 42.767 ng
RT: 21.677 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2465631

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.2	34.8
229	19.4	15.6	23.4

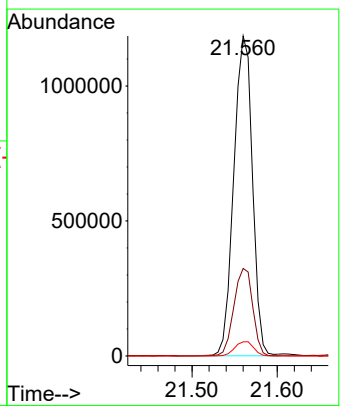


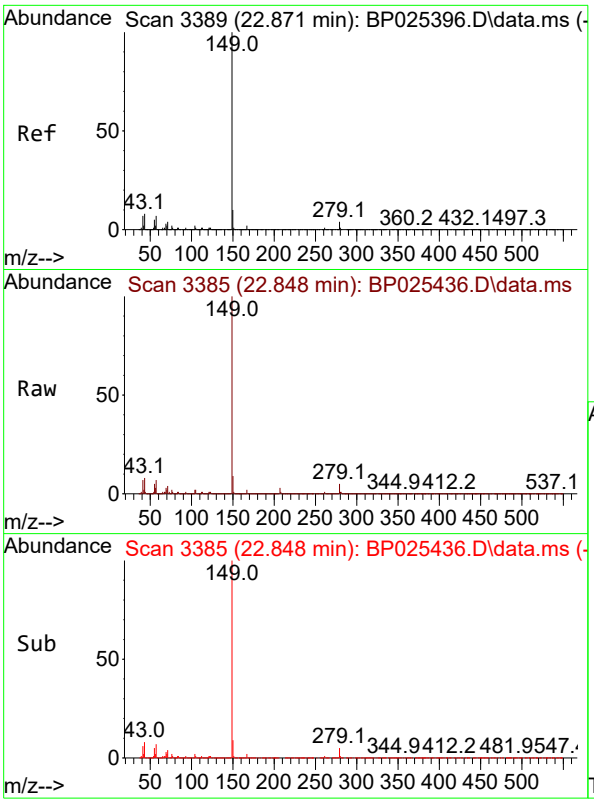


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.485 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:149 Resp: 1800639

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	4.4	3.8	5.6



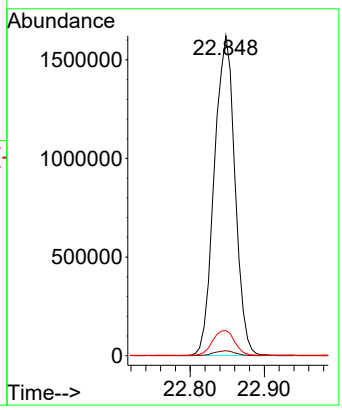


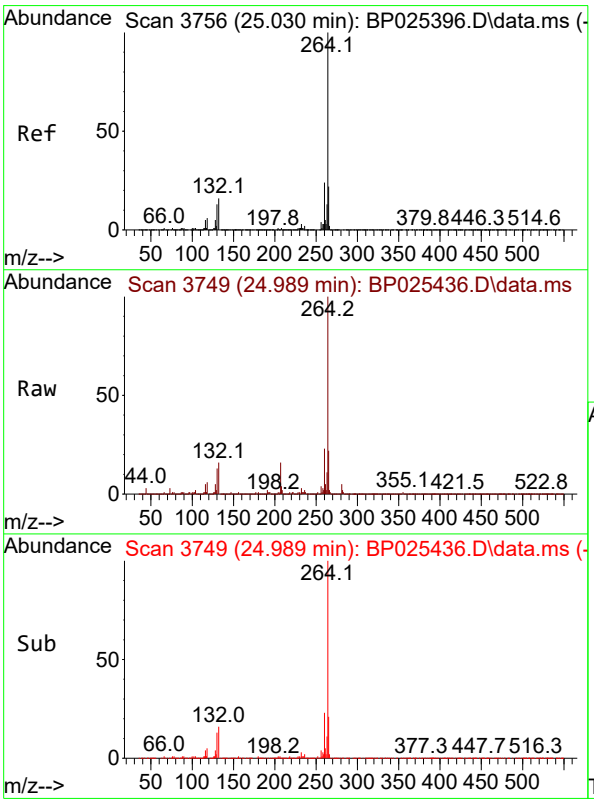
#85
Di-n-octyl phthalate
Concen: 45.079 ng
RT: 22.848 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 3138516

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5

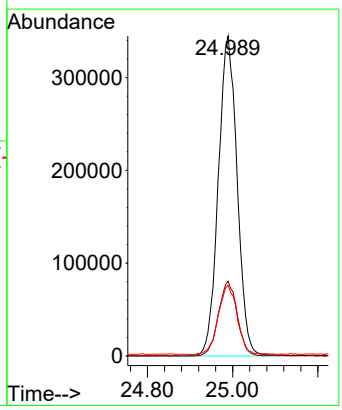


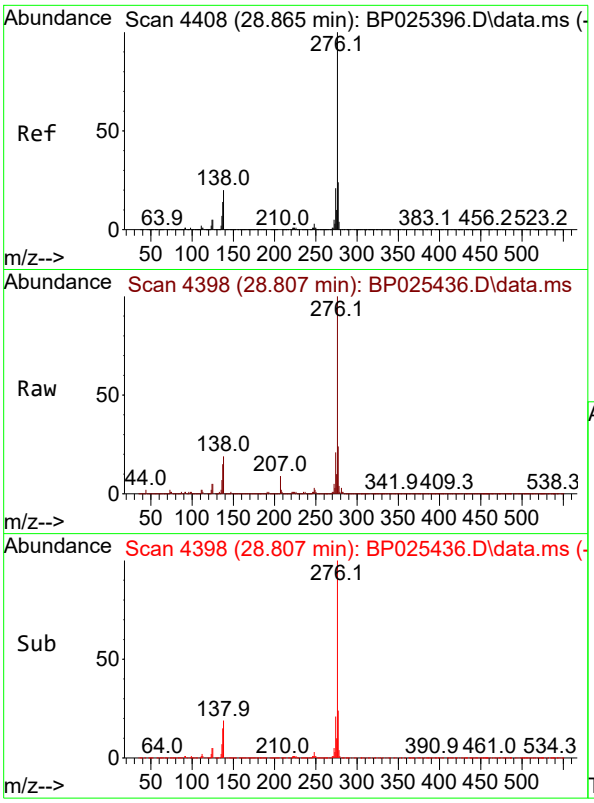


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:264 Resp: 1056853

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	22.1	17.4	26.0



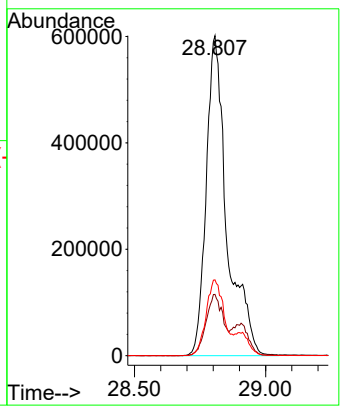


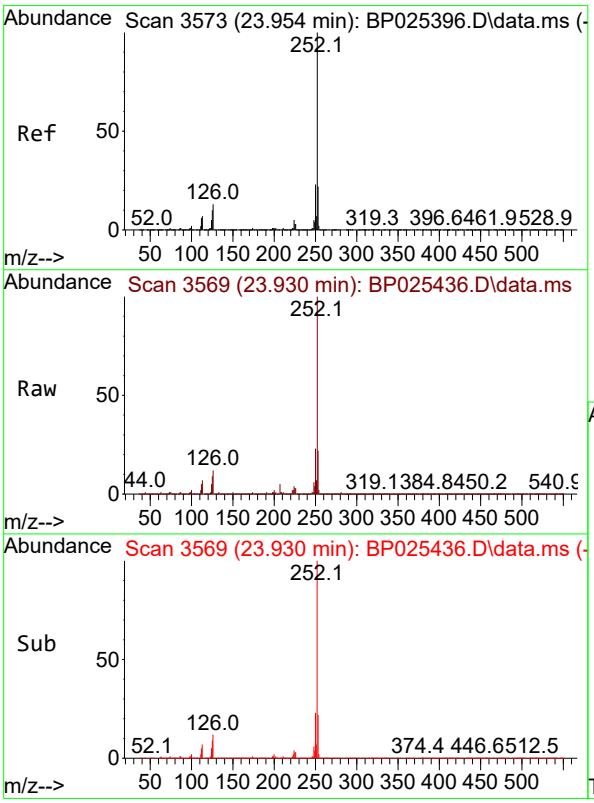
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.530 ng
RT: 28.807 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 3296276

Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.9	19.3
277	20.8	17.0	25.6

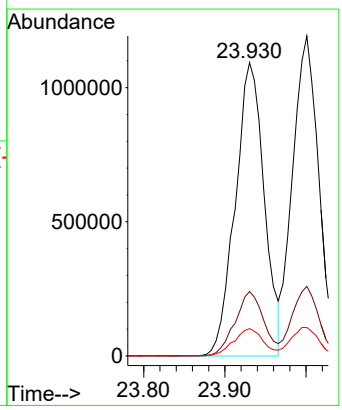


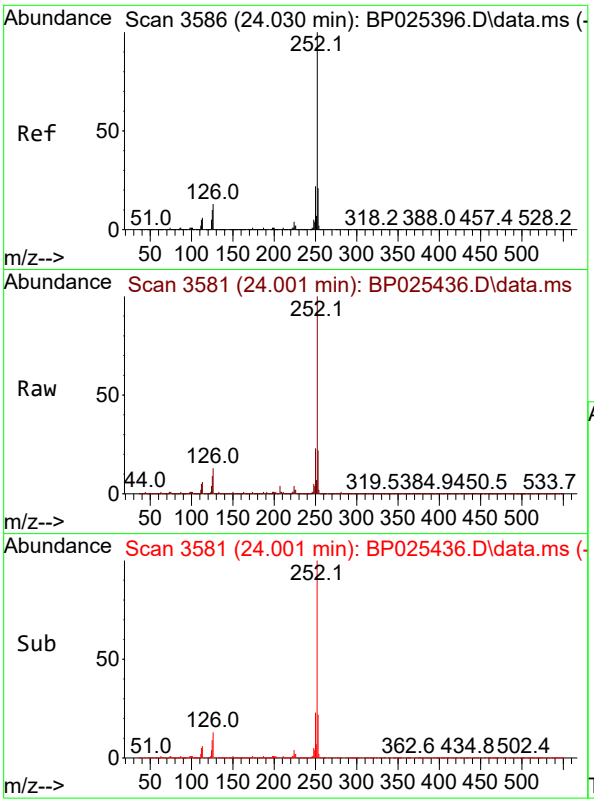


#88
Benzo(b)fluoranthene
Concen: 43.518 ng
RT: 23.930 min Scan# 3569
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2712012

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.3	7.9	11.9



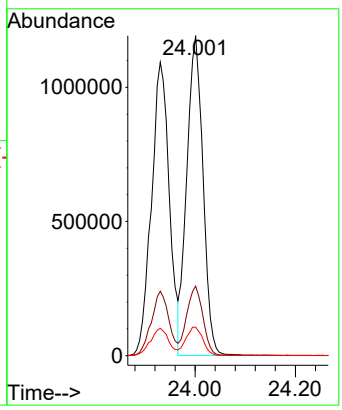


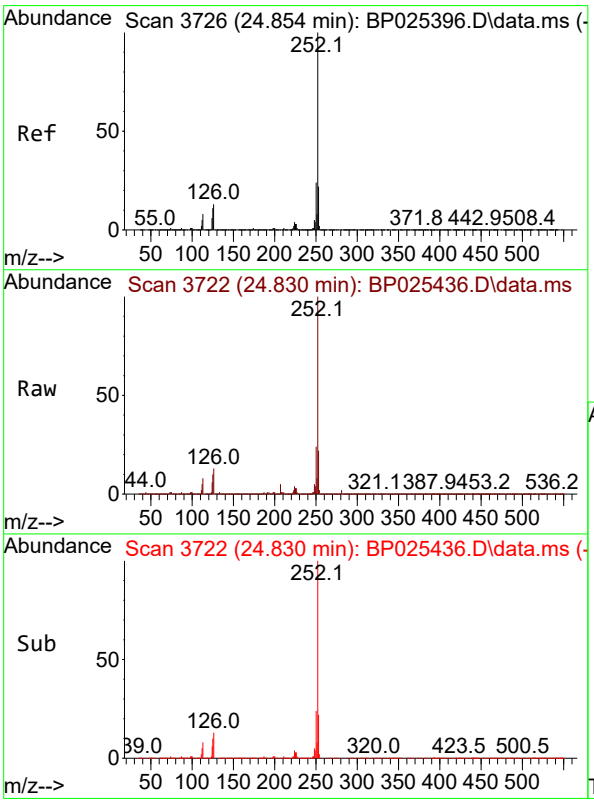
#89
Benzo(k)fluoranthene
Concen: 42.878 ng
RT: 24.001 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2673968

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	8.9	7.8	11.6

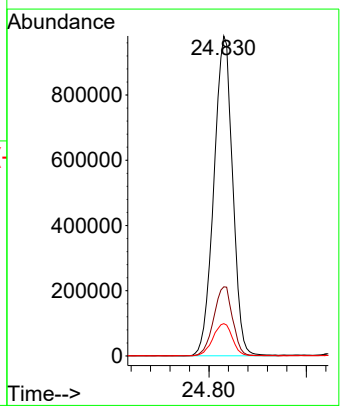


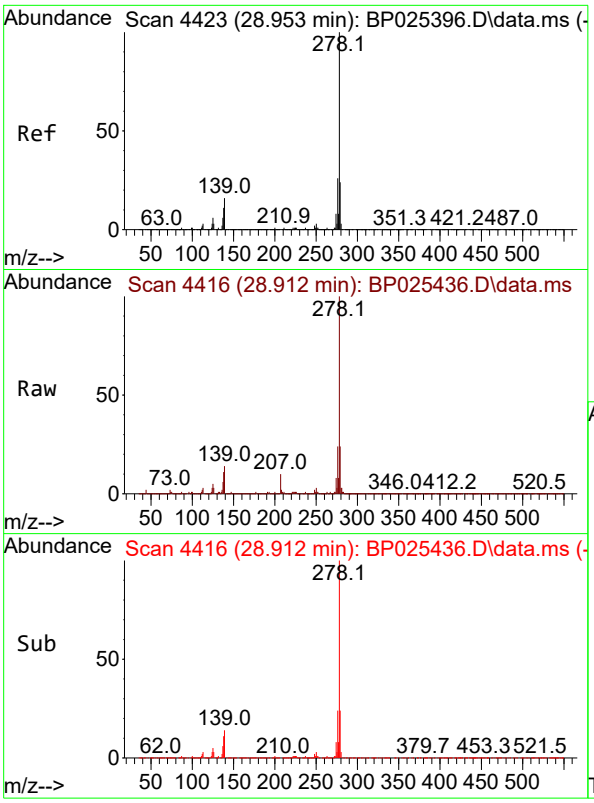


#90
Benzo(a)pyrene
Concen: 43.232 ng
RT: 24.830 min Scan# 3722
Delta R.T. -0.023 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:252 Resp: 2622614

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.1	8.7	13.1



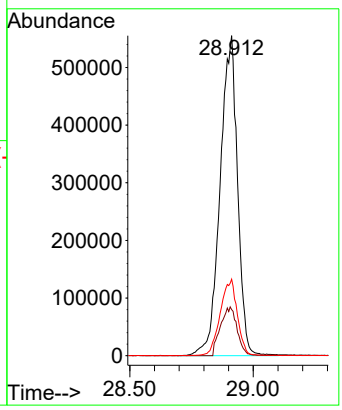


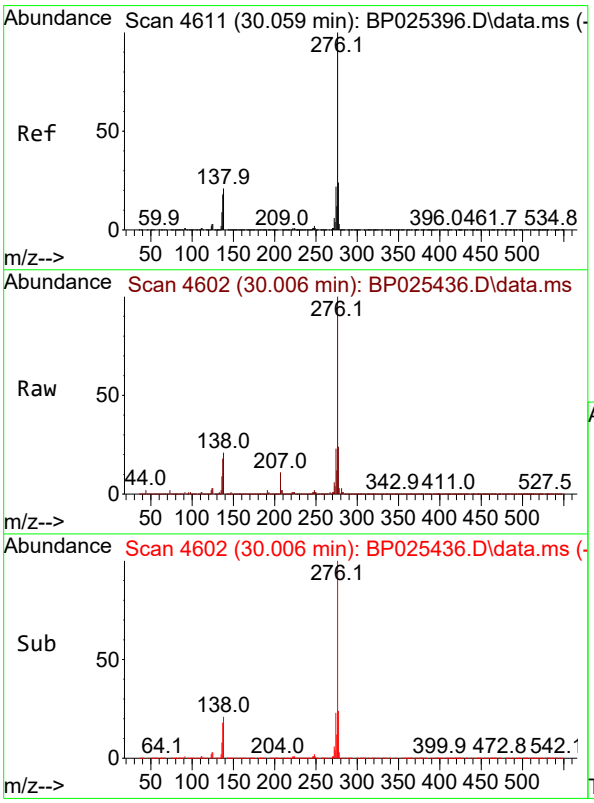
#91
Dibenzo(a,h)anthracene
Concen: 42.888 ng
RT: 28.912 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2716441

Ion	Ratio	Lower	Upper
278	100		
139	14.4	13.0	19.4
279	23.9	19.4	29.2

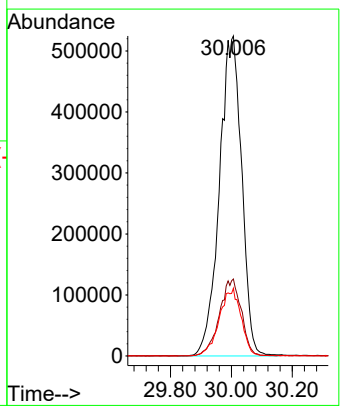




#92
Benzo(g,h,i)perylene
Concen: 42.750 ng
RT: 30.006 min Scan# 4602
Delta R.T. -0.053 min
Lab File: BP025436.D
Acq: 15 Aug 2025 21:03

Tgt Ion:276 Resp: 2661609

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	21.2	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	159158	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	679178	20.000	ng	0.00
39) Acenaphthene-d10	14.413	164	450864	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	905283	20.000	ng	0.00
76) Chrysene-d12	21.642	240	932001	20.000	ng	0.00
86) Perylene-d12	25.012	264	1054169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	766191	79.946	ng	0.00
7) Phenol-d6	6.966	99	999385	81.335	ng	0.00
23) Nitrobenzene-d5	8.931	82	1089412	81.140	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	501941	82.710	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2539096	76.967	ng	0.00
79) Terphenyl-d14	19.930	244	3955073	77.640	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	146798	39.105	ng	98
3) Pyridine	3.725	79	399648	38.896	ng	95
4) n-Nitrosodimethylamine	3.631	42	183947	43.424	ng	91
6) Aniline	7.119	93	673487	40.682	ng	98
8) 2-Chlorophenol	7.360	128	442242	40.892	ng	99
9) Benzaldehyde	6.937	77	278873	32.395	ng	97
10) Phenol	6.990	94	528660	41.003	ng	96
11) bis(2-Chloroethyl)ether	7.213	93	403740	40.176	ng	99
12) 1,3-Dichlorobenzene	7.678	146	477680	40.056	ng	99
13) 1,4-Dichlorobenzene	7.825	146	485332	39.818	ng	99
14) 1,2-Dichlorobenzene	8.137	146	470101	39.843	ng	100
15) Benzyl Alcohol	8.019	79	396938	40.657	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.307	45	567987	42.192	ng	98
17) 2-Methylphenol	8.219	107	366688	40.950	ng	99
18) Hexachloroethane	8.860	117	180159	40.200	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	332906	40.903	ng	97
20) 3+4-Methylphenols	8.542	107	500121	40.292	ng	98
22) Acetophenone	8.595	105	683834	40.149	ng	98
24) Nitrobenzene	8.972	77	491390	40.951	ng	99
25) Isophorone	9.501	82	957661	40.304	ng	100
26) 2-Nitrophenol	9.678	139	251156	40.785	ng	99
27) 2,4-Dimethylphenol	9.736	122	428351	40.448	ng	98
28) bis(2-Chloroethoxy)met...	9.966	93	579381	40.338	ng	99
29) 2,4-Dichlorophenol	10.207	162	424988	40.398	ng	98
30) 1,2,4-Trichlorobenzene	10.425	180	449563	38.983	ng	100
31) Naphthalene	10.613	128	1406520	39.844	ng	99
32) Benzoic acid	9.895	122	408095	52.196	ng	97
33) 4-Chloroaniline	10.713	127	634028	40.661	ng	99
34) Hexachlorobutadiene	10.901	225	280821	39.100	ng	98
35) Caprolactam	11.501	113	158902	41.192	ng	98
36) 4-Chloro-3-methylphenol	11.836	107	498499	41.295	ng	98
37) 2-Methylnaphthalene	12.219	142	914456	39.806	ng	97
38) 1-Methylnaphthalene	12.436	142	964168	39.466	ng	100
40) 1,2,4,5-Tetrachloroben...	12.583	216	515884	39.618	ng	99
41) Hexachlorocyclopentadiene	12.566	237	362128	46.040	ng	99
43) 2,4,6-Trichlorophenol	12.825	196	360300	40.986	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

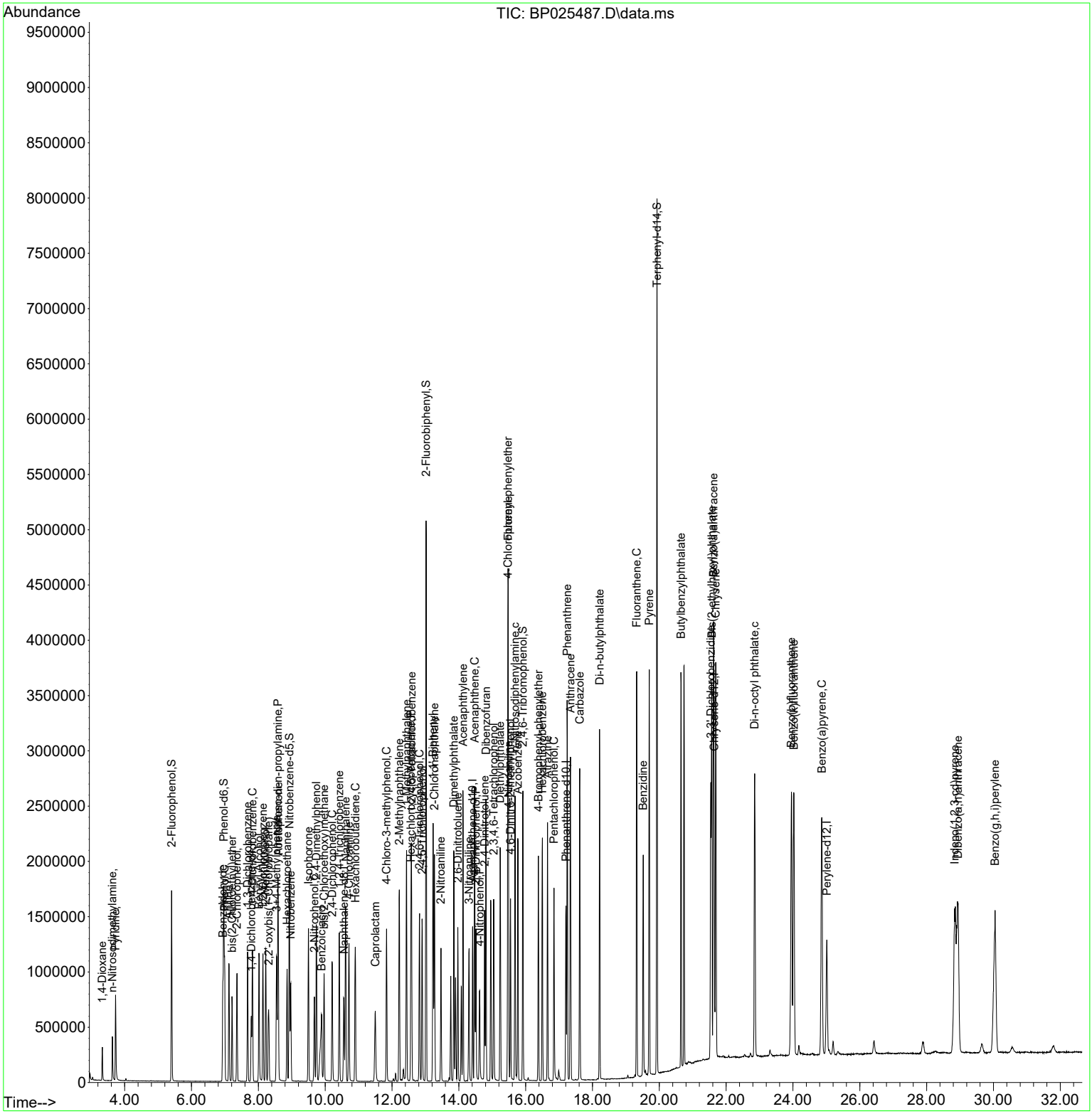
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	399763	41.492	ng		98
46) 1,1'-Biphenyl	13.230	154	1318412	40.264	ng		100
47) 2-Chloronaphthalene	13.272	162	1019352	39.989	ng		99
48) 2-Nitroaniline	13.466	65	324159	43.643	ng		98
49) Acenaphthylene	14.124	152	1703788	40.393	ng		100
50) Dimethylphthalate	13.854	163	1355491	41.055	ng		100
51) 2,6-Dinitrotoluene	13.972	165	294671	42.345	ng		93
52) Acenaphthene	14.472	154	965696	39.004	ng		99
53) 3-Nitroaniline	14.307	138	330858	42.258	ng		94
54) 2,4-Dinitrophenol	14.513	184	299007	80.460	ng		97
55) Dibenzofuran	14.813	168	1541513	39.380	ng		100
56) 4-Nitrophenol	14.624	139	271237	42.159	ng		97
57) 2,4-Dinitrotoluene	14.772	165	428628	43.171	ng		97
58) Fluorene	15.477	166	1201420	38.896	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.042	232	350101	41.154	ng		98
60) Diethylphthalate	15.236	149	1386072	41.316	ng		99
61) 4-Chlorophenyl-phenyle...	15.466	204	598934	38.989	ng		96
62) 4-Nitroaniline	15.489	138	331726	41.329	ng		93
63) Azobenzene	15.766	77	1240846	43.196	ng		98
65) 4,6-Dinitro-2-methylph...	15.548	198	322240	57.103	ng		94
66) n-Nitrosodiphenylamine	15.683	169	1132449	41.022	ng		99
67) 4-Bromophenyl-phenylether	16.383	248	402714	40.448	ng		98
68) Hexachlorobenzene	16.501	284	461625	39.997	ng		97
69) Atrazine	16.654	200	420453	40.669	ng		99
70) Pentachlorophenol	16.848	266	307884	42.259	ng		98
71) Phenanthrene	17.242	178	1961812	39.449	ng		99
72) Anthracene	17.342	178	2071008	40.780	ng		99
73) Carbazole	17.618	167	1903889	39.801	ng		99
74) Di-n-butylphthalate	18.212	149	2414257	41.022	ng		100
75) Fluoranthene	19.324	202	2322167	39.147	ng		98
77) Benzidine	19.518	184	1232065	38.735	ng		100
78) Pyrene	19.701	202	2394461	39.527	ng		100
80) Butylbenzylphthalate	20.654	149	1127547	41.070	ng		98
81) Benzo(a)anthracene	21.624	228	2426505	39.477	ng		100
82) 3,3'-Dichlorobenzidine	21.542	252	903654	39.005	ng		98
83) Chrysene	21.689	228	2294146	39.855	ng		99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1659835	41.071	ng		99
85) Di-n-octyl phthalate	22.853	149	2843533	40.906	ng		99
87) Indeno(1,2,3-cd)pyrene	28.841	276	1338699	17.316	ng	#	73
88) Benzo(b)fluoranthene	23.953	252	2471608	39.761	ng		99
89) Benzo(k)fluoranthene	24.030	252	2451237	39.407	ng		99
90) Benzo(a)pyrene	24.865	252	2406620	39.773	ng		99
91) Dibenzo(a,h)anthracene	28.941	278	2487038	39.366	ng		98
92) Benzo(g,h,i)perylene	30.047	276	2423566	39.026	ng		98

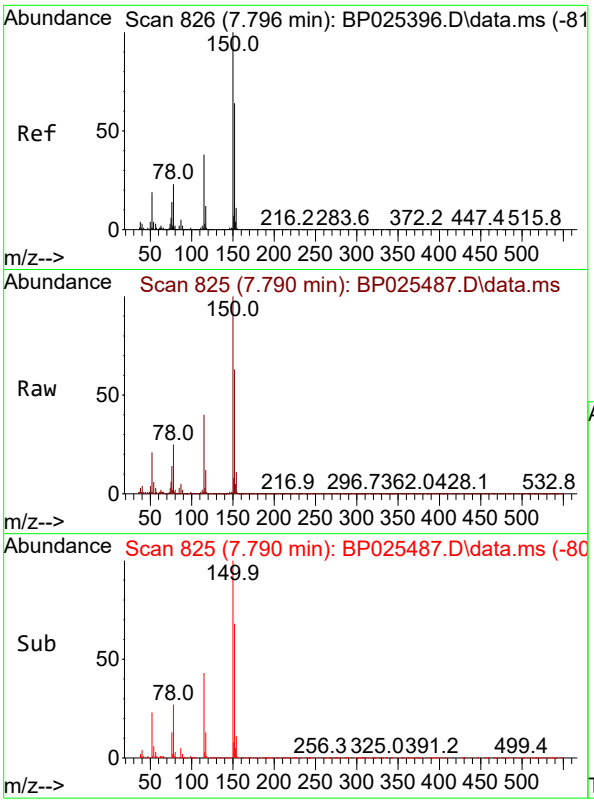
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025487.D
Acq On : 19 Aug 2025 23:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Aug 20 02:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



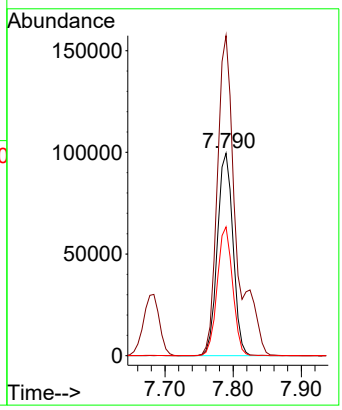


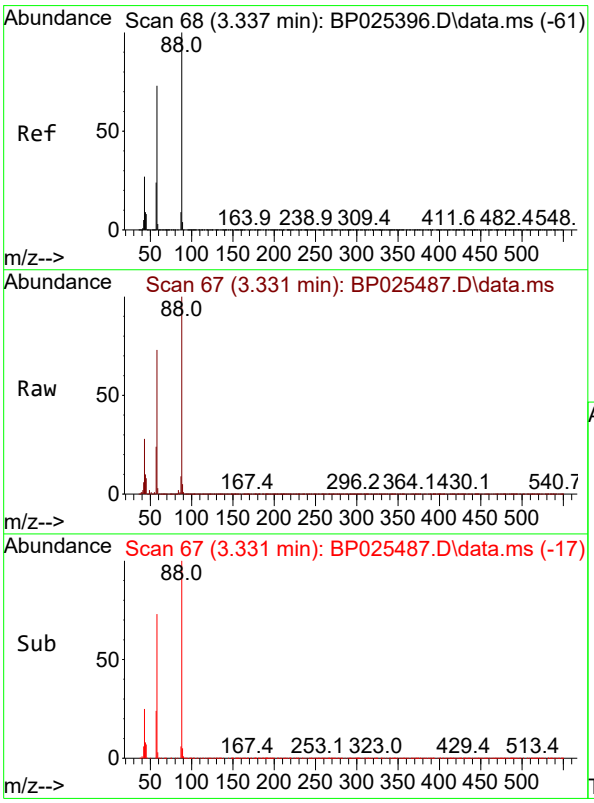
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 159158

Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.9	188.9
115	63.6	48.5	72.7

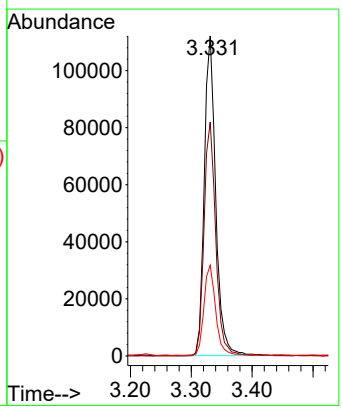


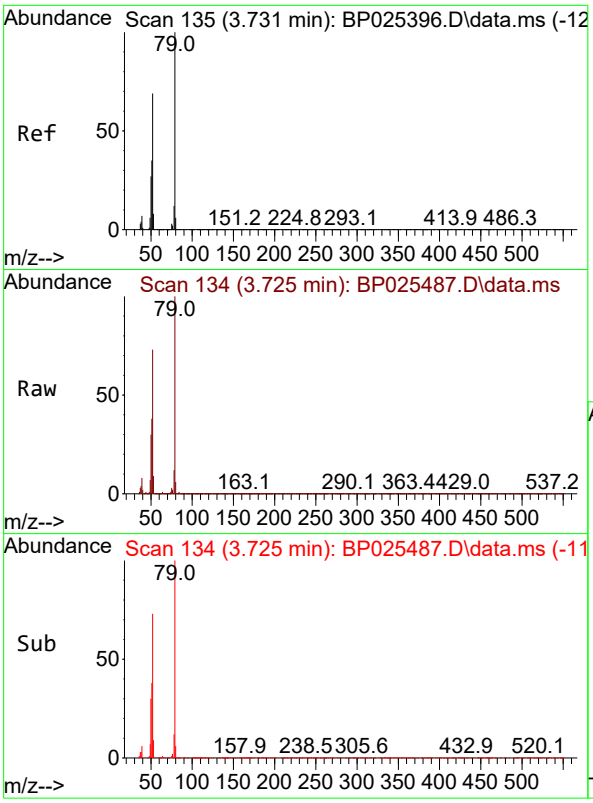


#2
1,4-Dioxane
Concen: 39.105 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 88 Resp: 146798

Ion	Ratio	Lower	Upper
88	100		
58	75.0	59.2	88.8
43	28.8	21.7	32.5



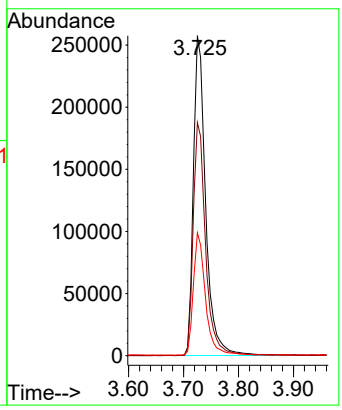


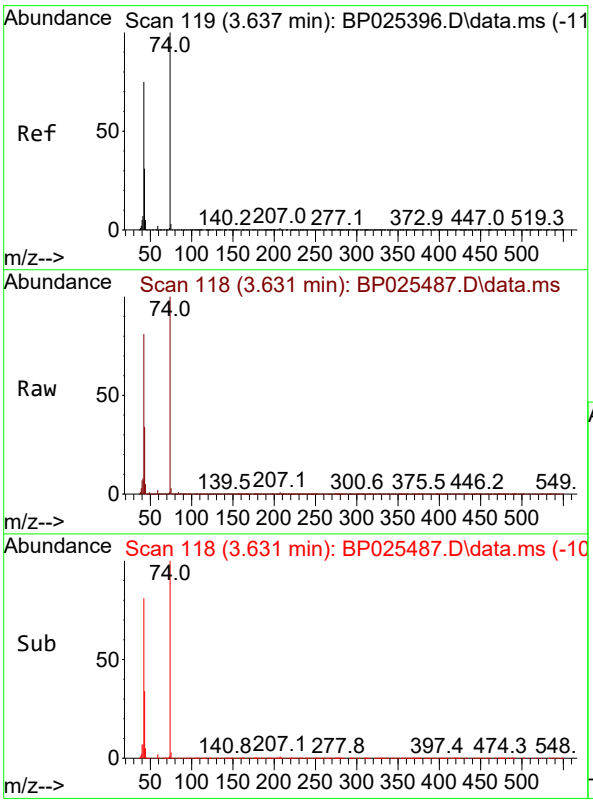
#3
Pyridine
Concen: 38.896 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 399648

Ion	Ratio	Lower	Upper
79	100		
52	72.9	55.5	83.3
51	38.4	28.3	42.5

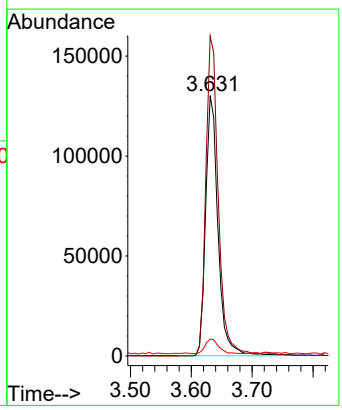


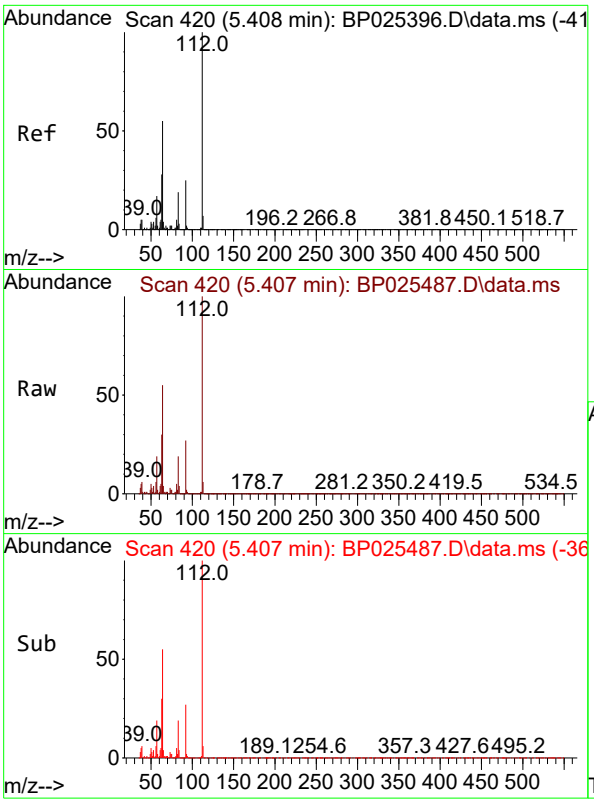


#4
n-Nitrosodimethylamine
Concen: 43.424 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 42 Resp: 183947

Ion	Ratio	Lower	Upper
42	100		
74	122.9	107.0	160.4
44	6.5	6.2	9.4



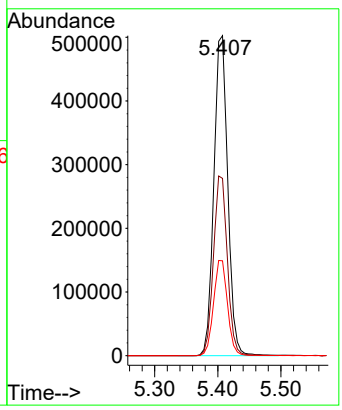


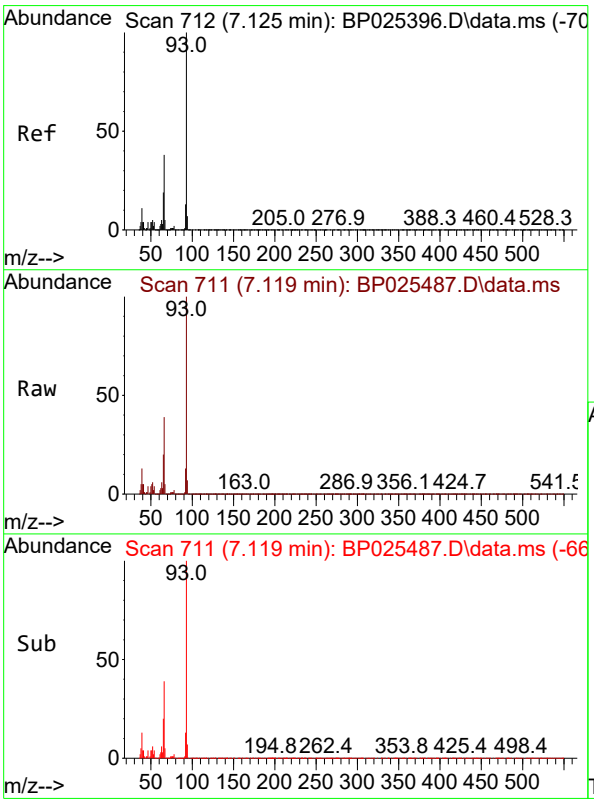
#5
2-Fluorophenol
Concen: 79.946 ng
RT: 5.407 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 766191

Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.8	65.8
63	29.7	22.7	34.1

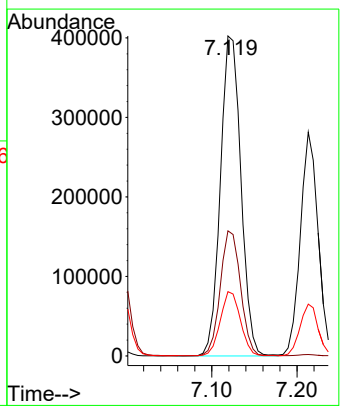


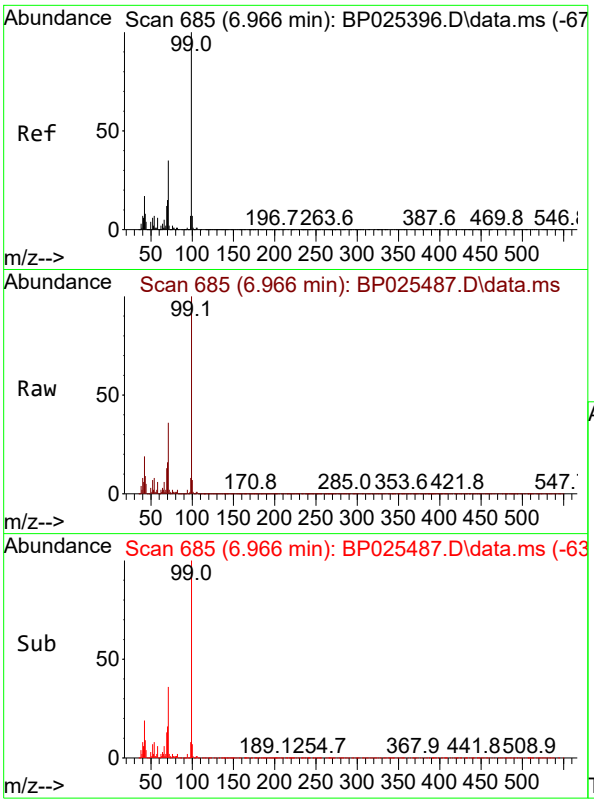


#6
Aniline
Concen: 40.682 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 673487

Ion	Ratio	Lower	Upper
93	100		
66	39.1	30.4	45.6
65	20.1	15.3	22.9



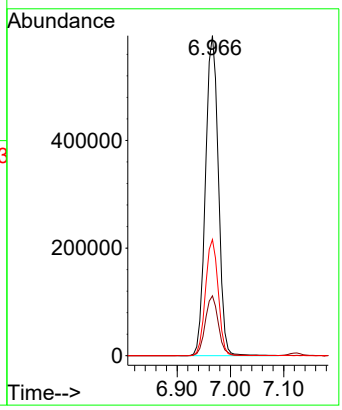


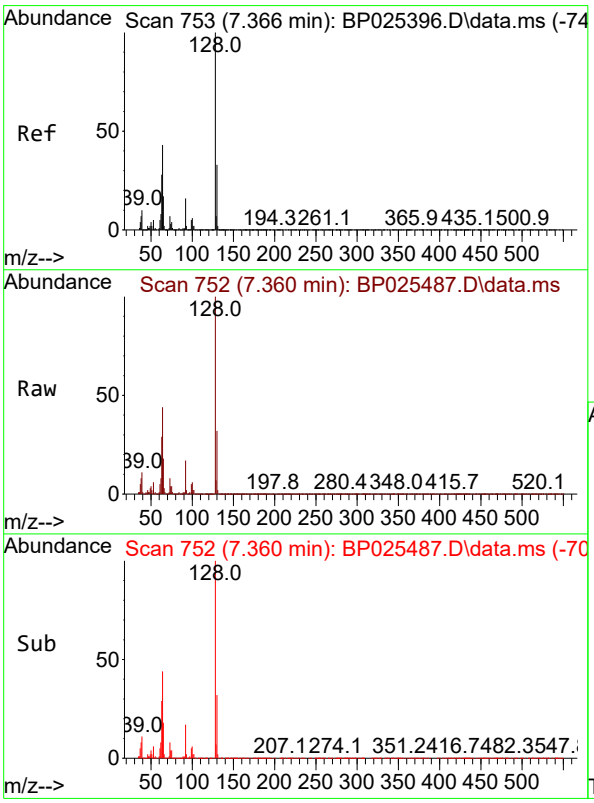
#7
Phenol-d6
Concen: 81.335 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 999385

Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.7	20.5
71	36.3	28.2	42.4

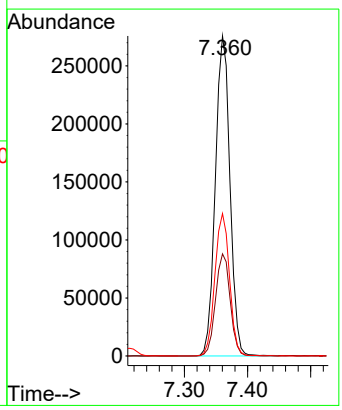


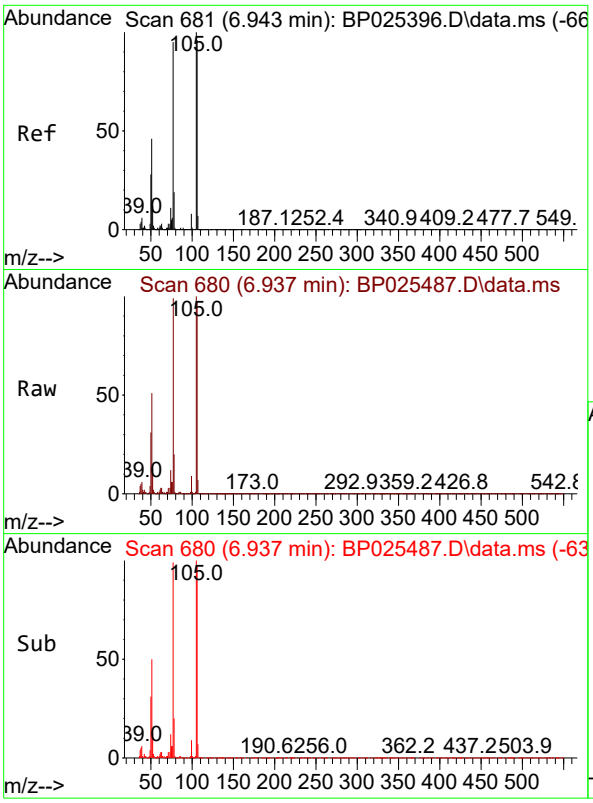


#8
2-Chlorophenol
Concen: 40.892 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:128 Resp: 442242

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	44.5	23.4	63.4



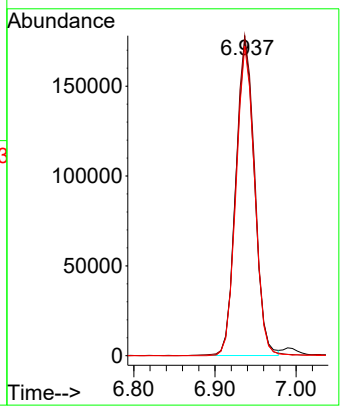


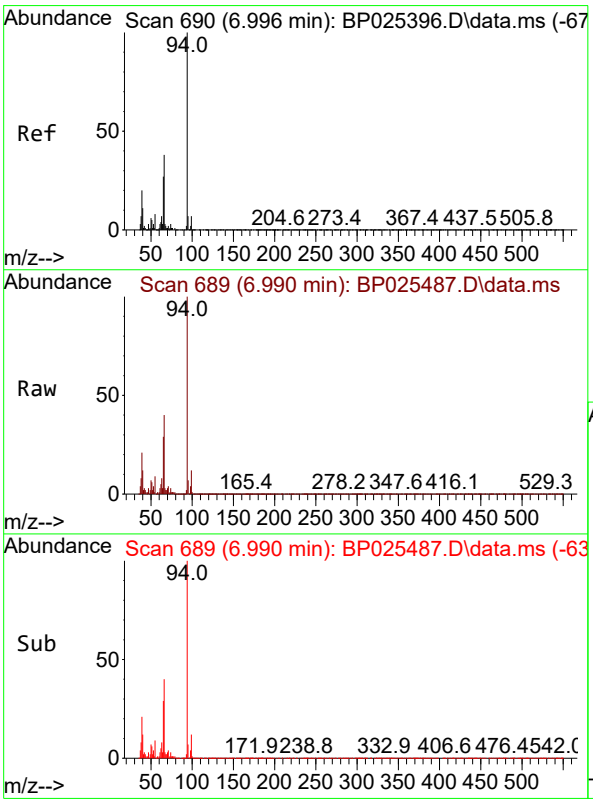
#9
Benzaldehyde
Concen: 32.395 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 278873

Ion	Ratio	Lower	Upper
77	100		
105	101.2	84.8	124.8
106	97.9	80.5	120.5

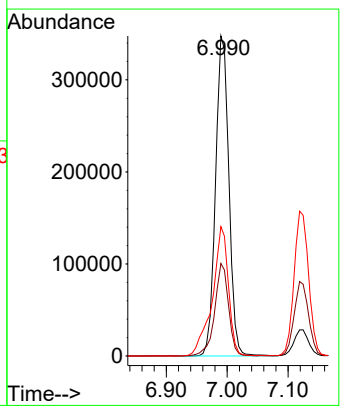


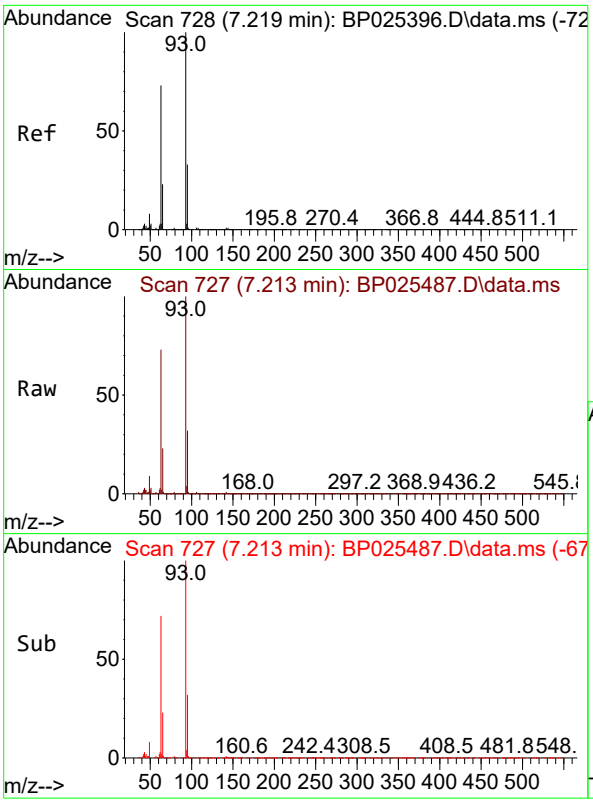


#10
Phenol
Concen: 41.003 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 94 Resp: 528660

Ion	Ratio	Lower	Upper
94	100		
65	28.9	6.8	46.8
66	40.4	18.2	58.2



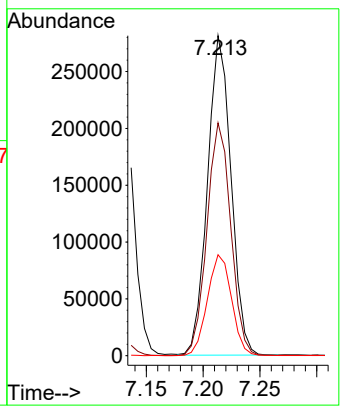


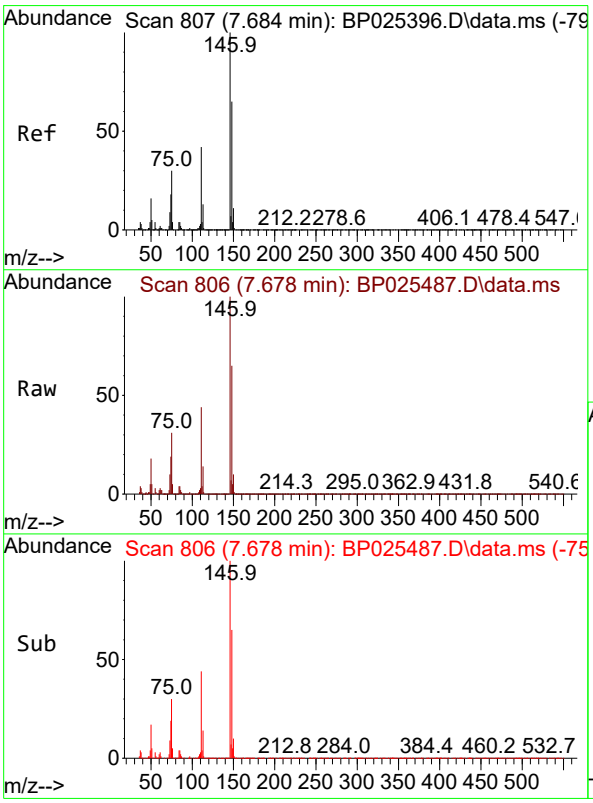
#11
bis(2-Chloroethyl)ether
Concen: 40.176 ng
RT: 7.213 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 403740

Ion	Ratio	Lower	Upper
93	100		
63	72.7	52.6	92.6
95	31.5	12.7	52.7

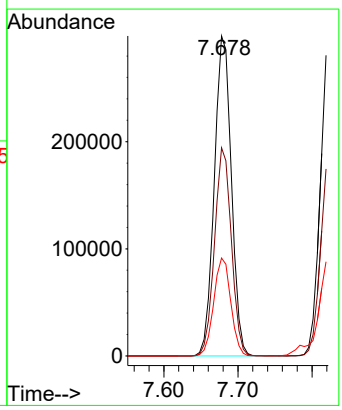


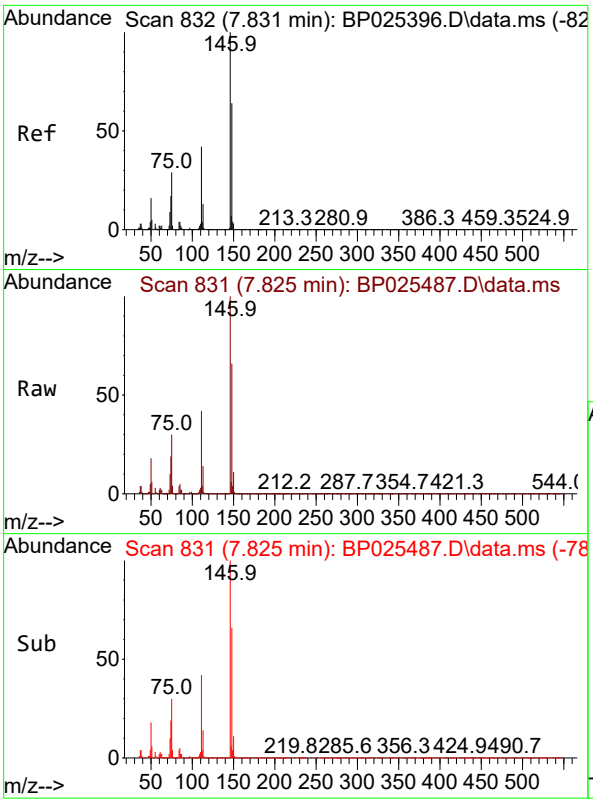


#12
1,3-Dichlorobenzene
Concen: 40.056 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 477680

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	30.6	23.7	35.5



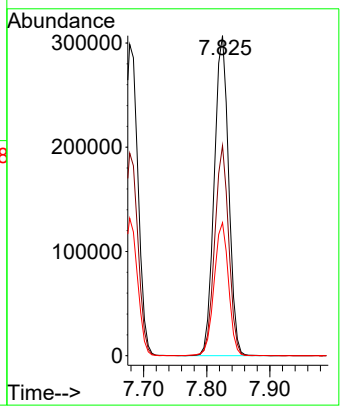


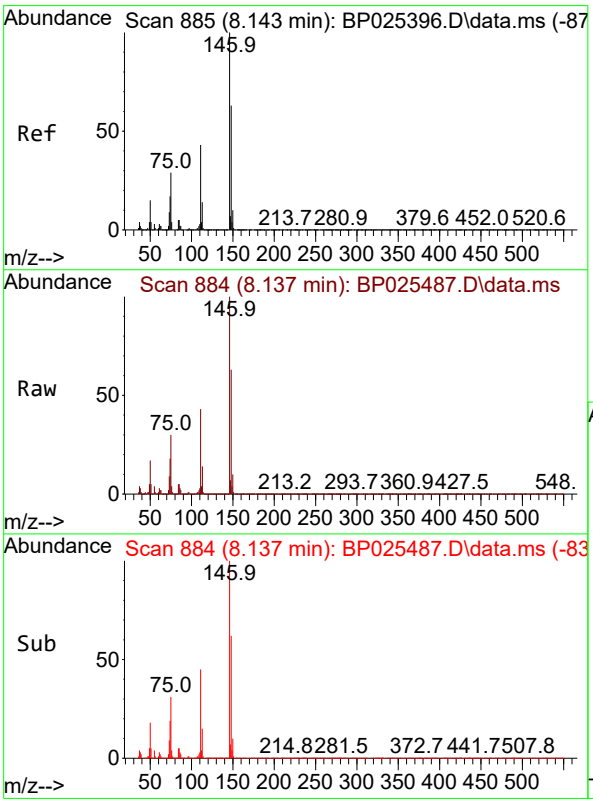
#13
1,4-Dichlorobenzene
Concen: 39.818 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 485332

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.6	77.4
111	41.6	33.4	50.0

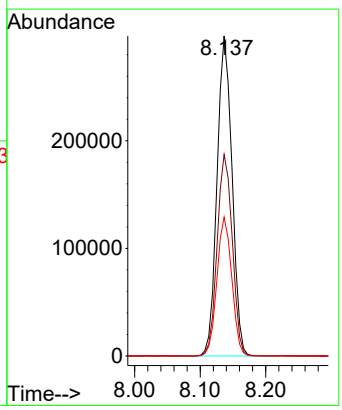


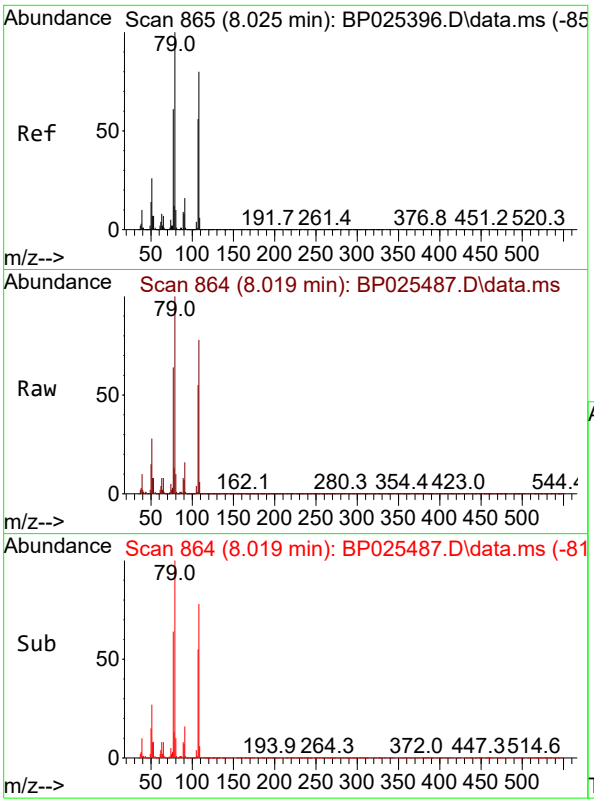


#14
1,2-Dichlorobenzene
Concen: 39.843 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 470101

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	43.3	34.5	51.7



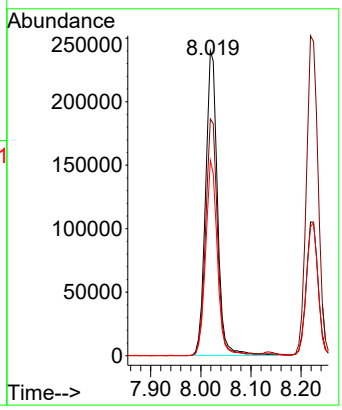


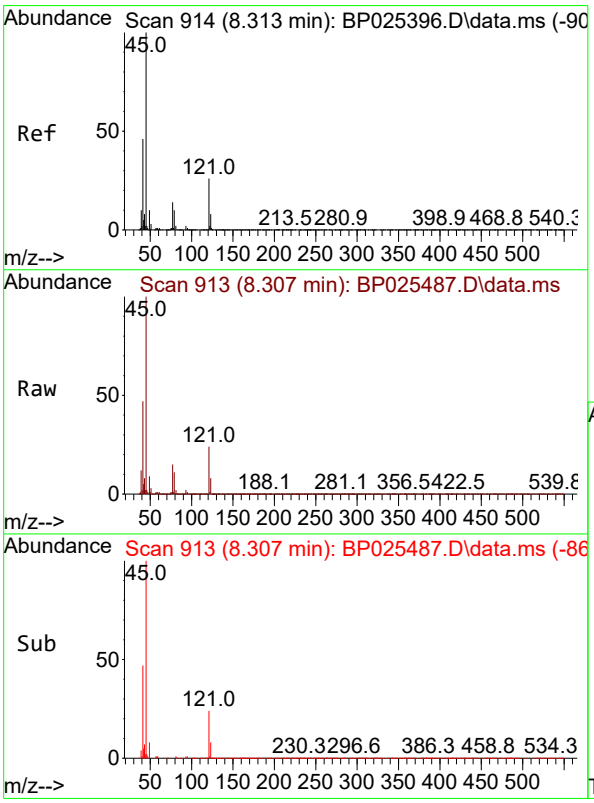
#15
Benzyl Alcohol
Concen: 40.657 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 396938

Ion	Ratio	Lower	Upper
79	100		
108	77.6	63.8	95.6
77	64.0	49.0	73.4

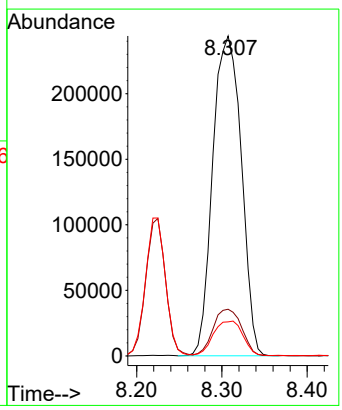


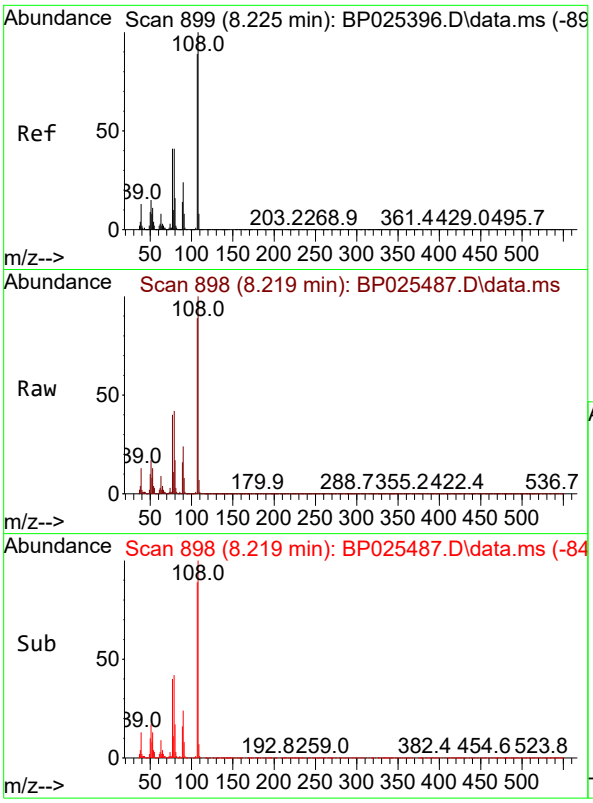


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.192 ng
RT: 8.307 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 45 Resp: 567987

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.6	0.0	31.8



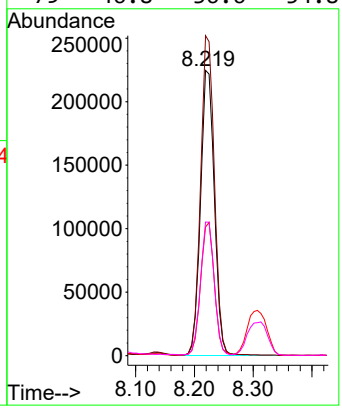


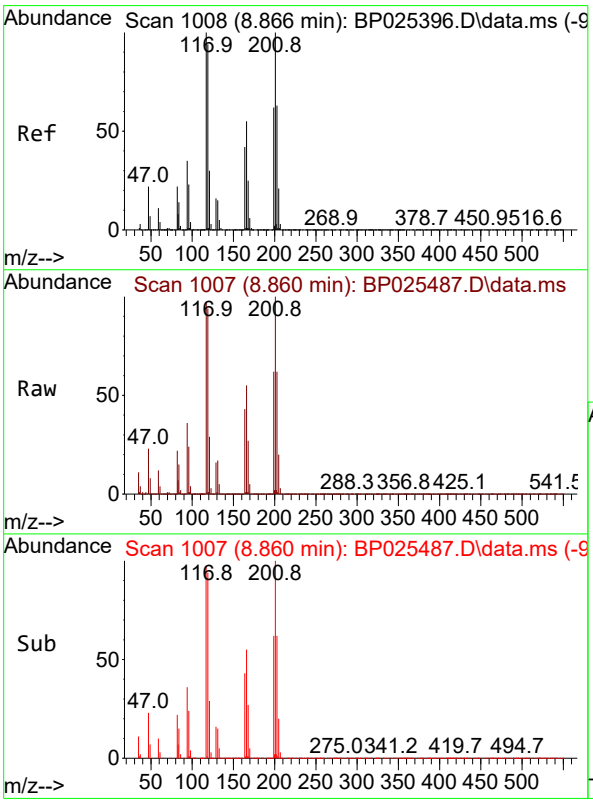
#17
2-Methylphenol
Concen: 40.950 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 366688

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.4	134.0
77	45.1	36.3	54.5
79	46.8	36.6	54.8

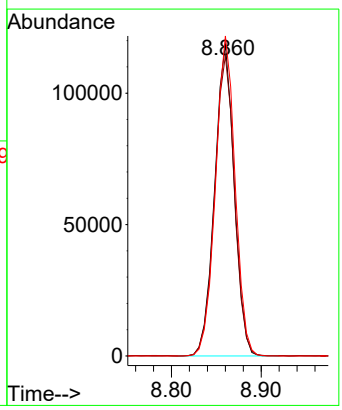


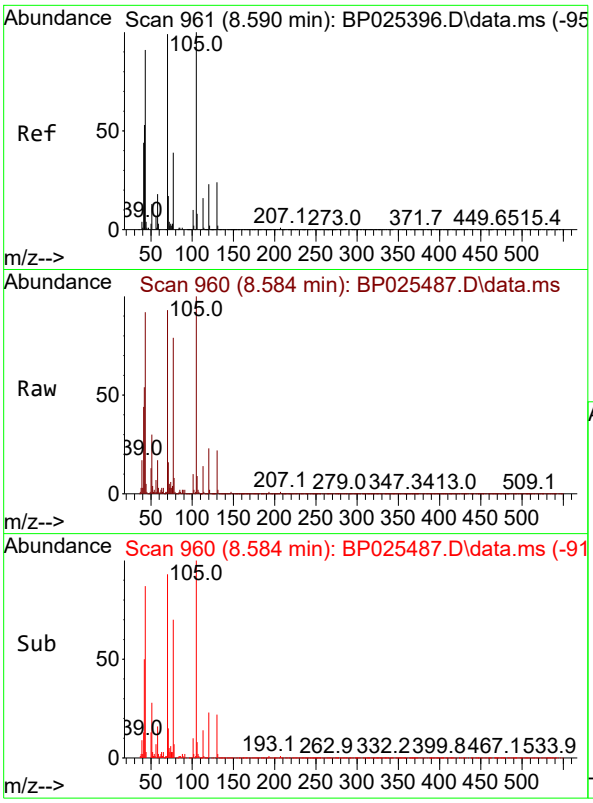


#18
Hexachloroethane
Concen: 40.200 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:117 Resp: 180159

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.1	112.7
201	102.7	80.1	120.1



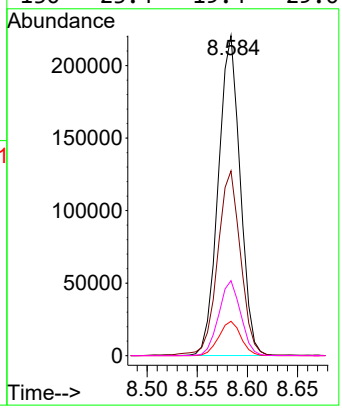


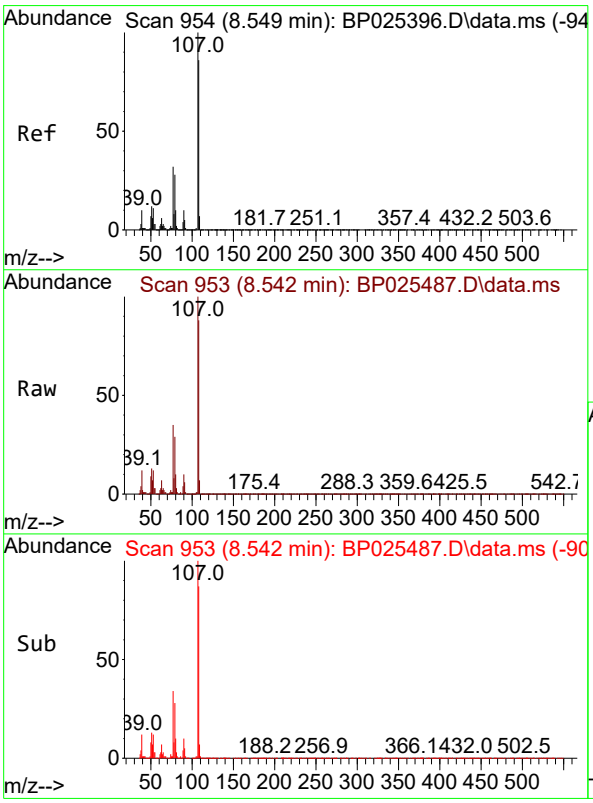
#19
n-Nitroso-di-n-propylamine
Concen: 40.903 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 332906

Ion	Ratio	Lower	Upper
70	100		
42	57.8	43.8	65.6
101	10.7	8.5	12.7
130	23.4	19.4	29.0

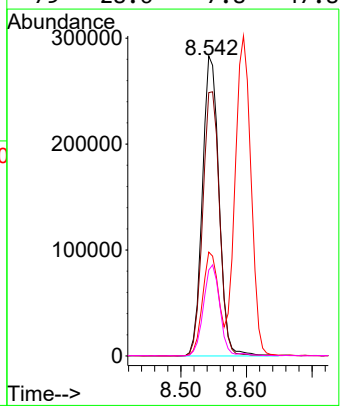


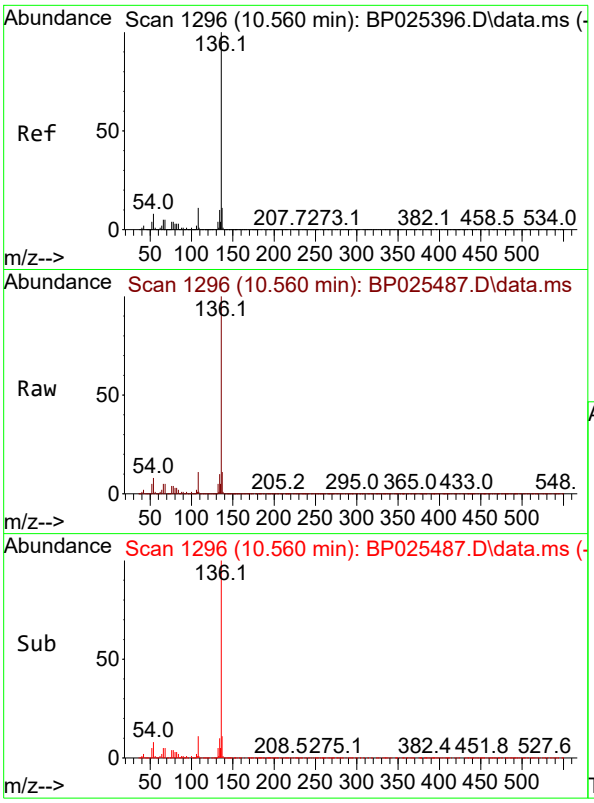


#20
3+4-Methylphenols
Concen: 40.292 ng
RT: 8.542 min Scan# 953
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 500121

Ion	Ratio	Lower	Upper
107	100		
108	87.8	66.3	106.3
77	34.6	12.3	52.3
79	28.6	7.8	47.8



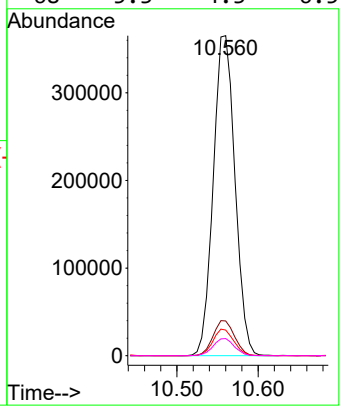


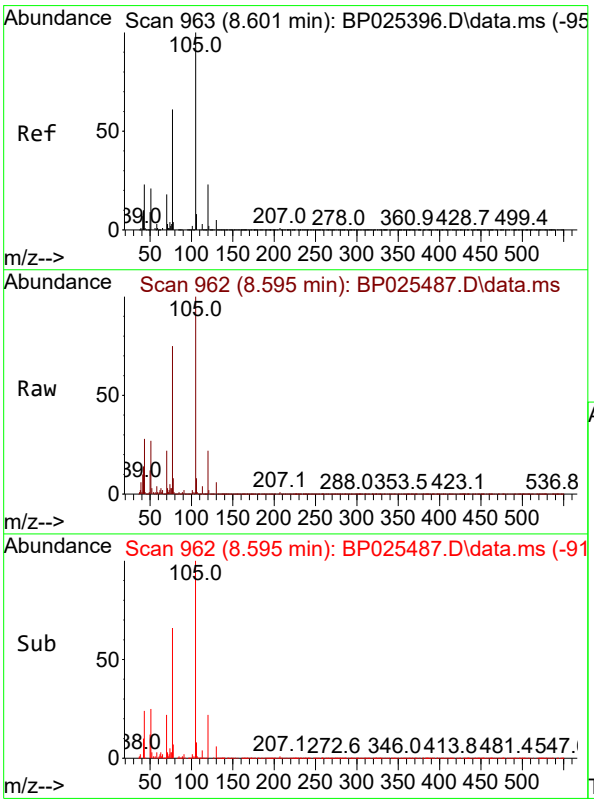
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 679178

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.0	6.0	9.0
68	5.3	4.3	6.5

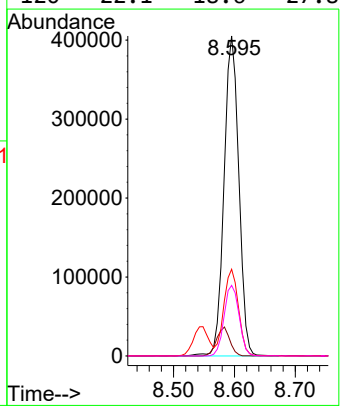


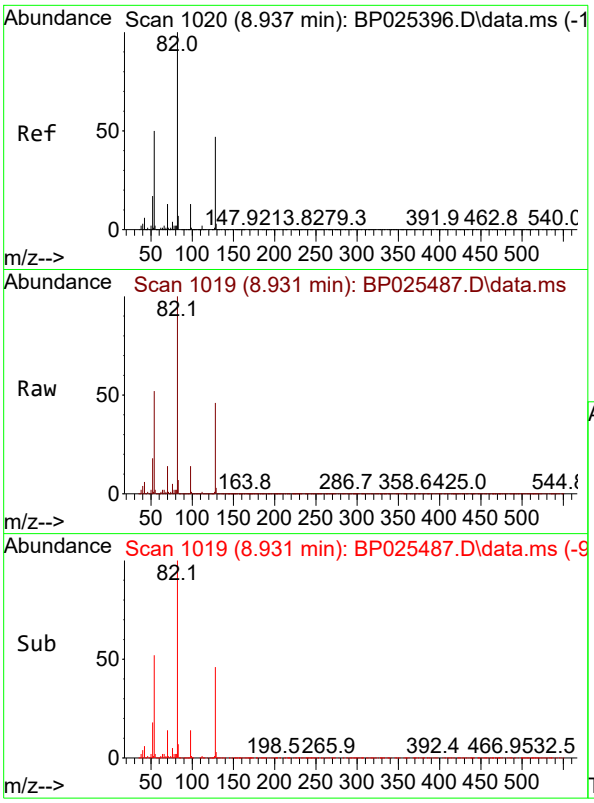


#22
Acetophenone
Concen: 40.149 ng
RT: 8.595 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:105 Resp: 683834

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.6	4.0
51	27.1	20.6	30.8
120	22.1	18.6	27.8



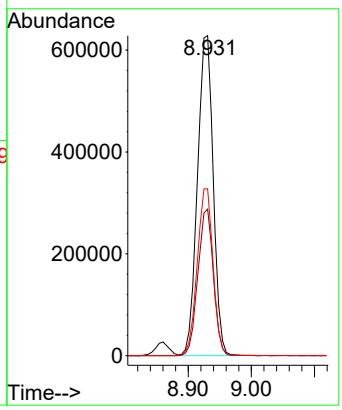


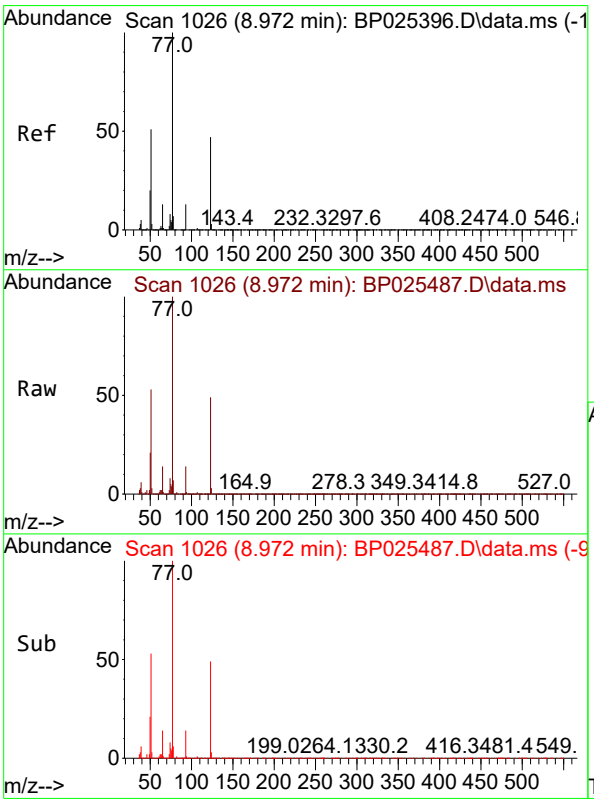
#23
Nitrobenzene-d5
Concen: 81.140 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1089412

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	52.2	39.8	59.6

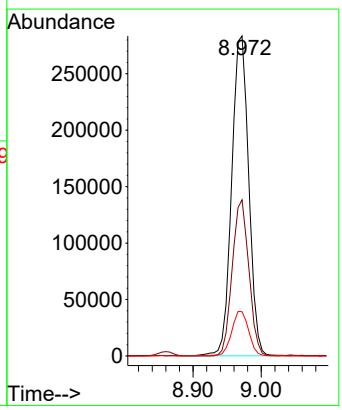


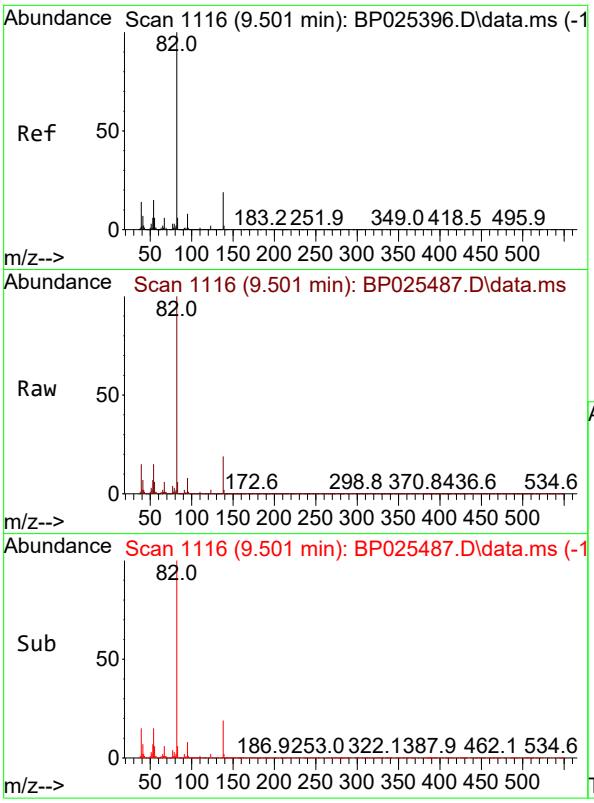


#24
Nitrobenzene
Concen: 40.951 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 77 Resp: 491390

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	13.9	10.6	15.8



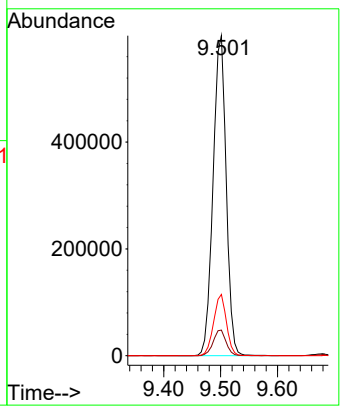


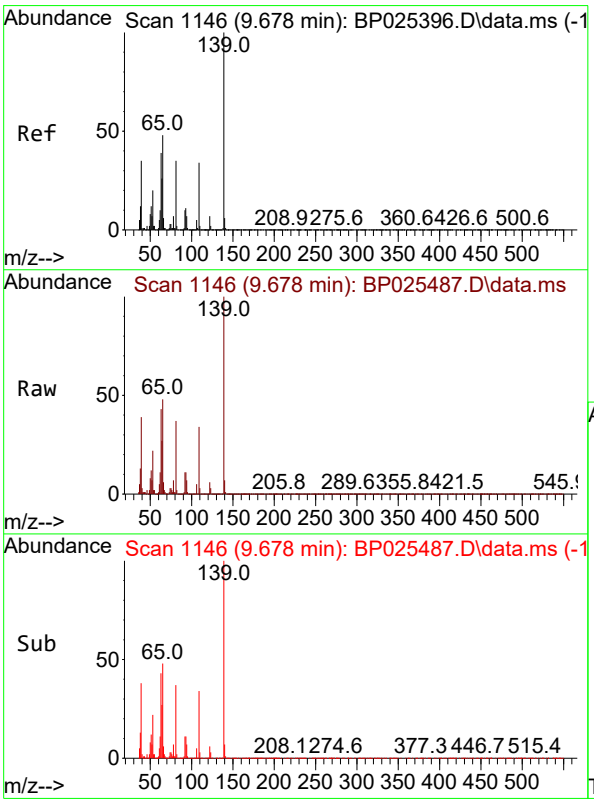
#25
Isophorone
Concen: 40.304 ng
RT: 9.501 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 957661

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	19.2	15.4	23.0

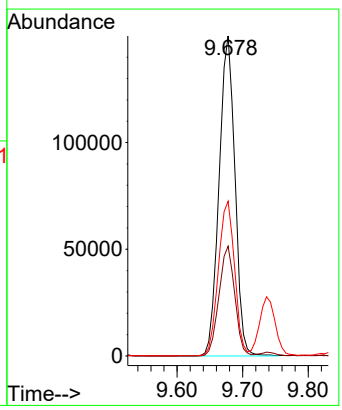


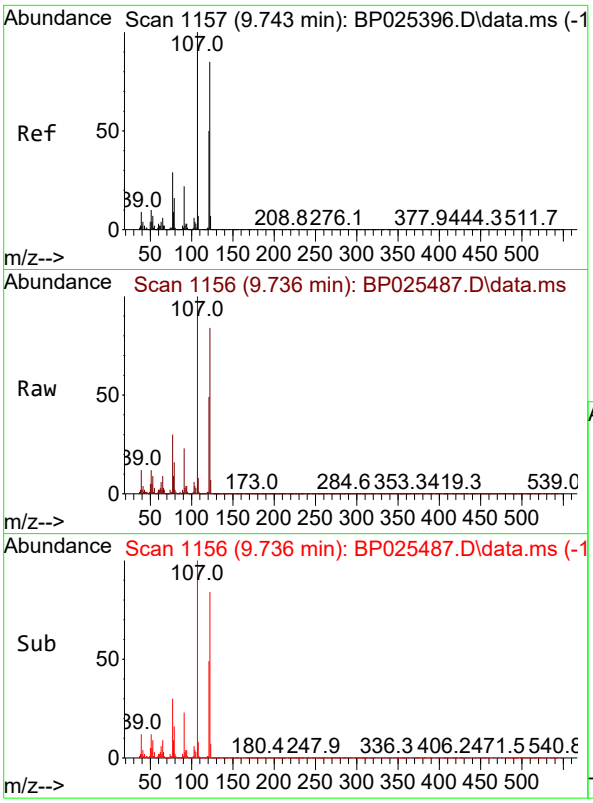


#26
2-Nitrophenol
Concen: 40.785 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:139 Resp: 251156

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.9	40.3
65	48.3	38.3	57.5



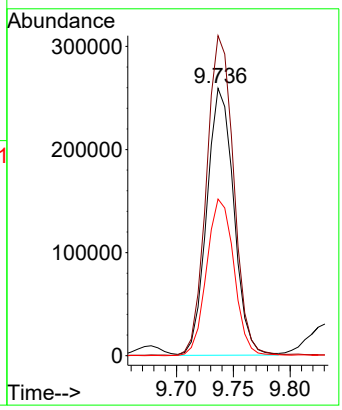


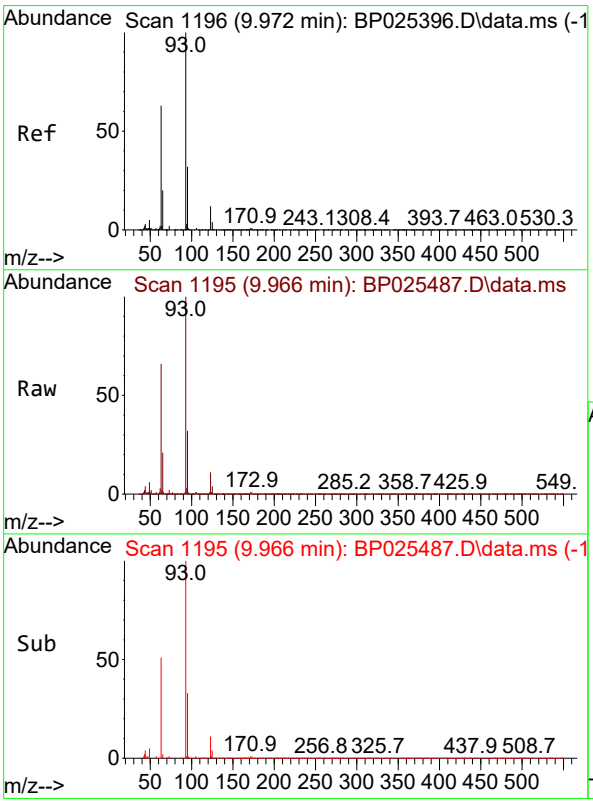
#27
2,4-Dimethylphenol
Concen: 40.448 ng
RT: 9.736 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 428351

Ion	Ratio	Lower	Upper
122	100		
107	119.7	93.7	140.5
121	58.6	46.6	69.8

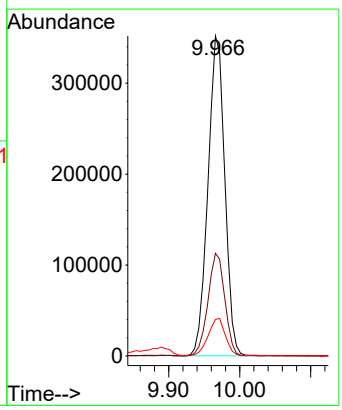


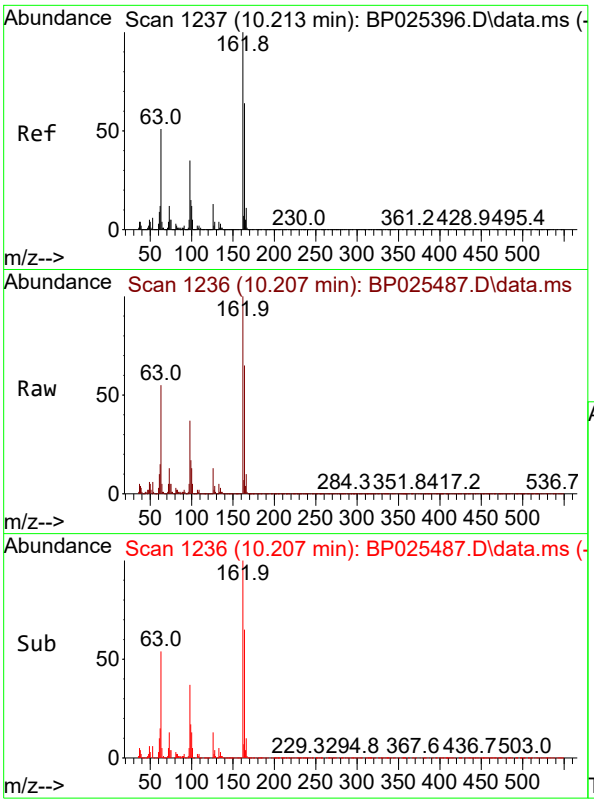


#28
bis(2-Chloroethoxy)methane
Concen: 40.338 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 579381

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.0
123	11.4	9.4	14.0



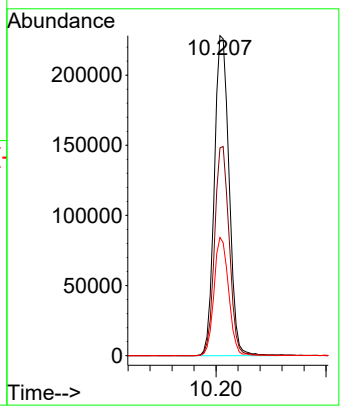


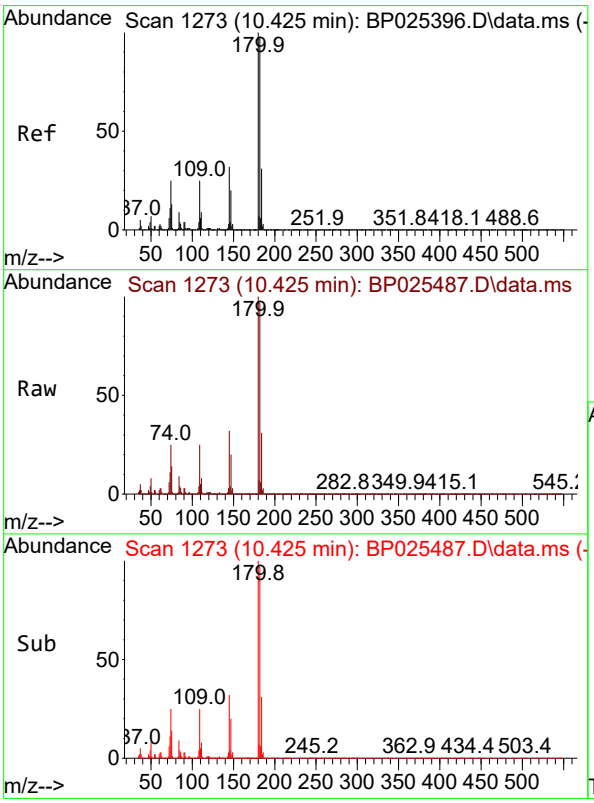
#29
2,4-Dichlorophenol
Concen: 40.398 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 424988

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.4	84.4
98	36.9	14.9	54.9

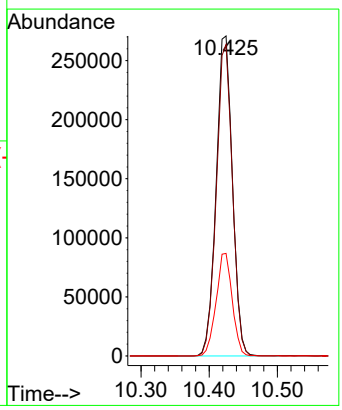


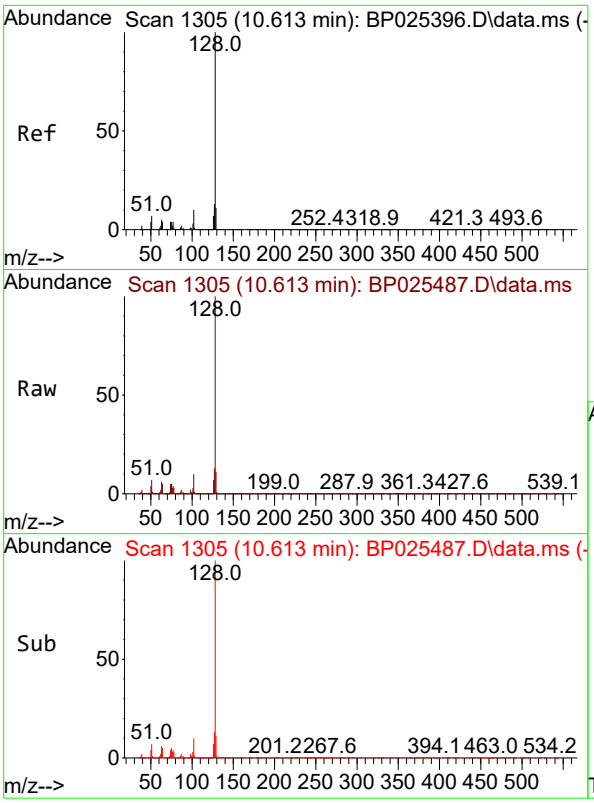


#30
1,2,4-Trichlorobenzene
Concen: 38.983 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:180 Resp: 449563

Ion	Ratio	Lower	Upper
180	100		
182	97.3	78.0	117.0
145	32.1	25.9	38.9



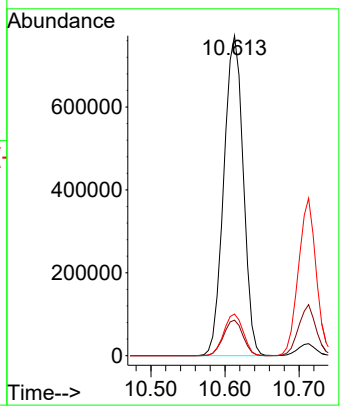


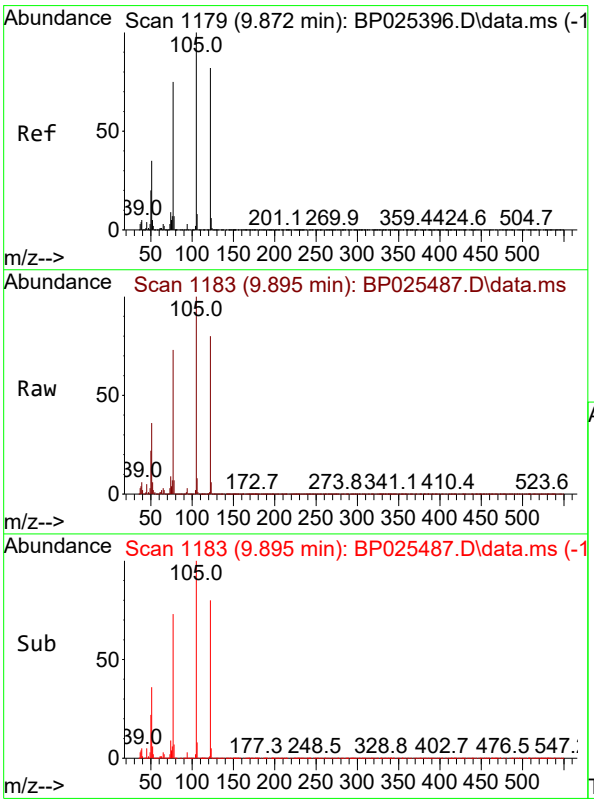
#31
Naphthalene
Concen: 39.844 ng
RT: 10.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1406520

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.0	10.7	16.1

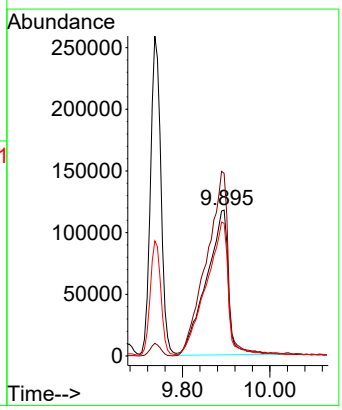


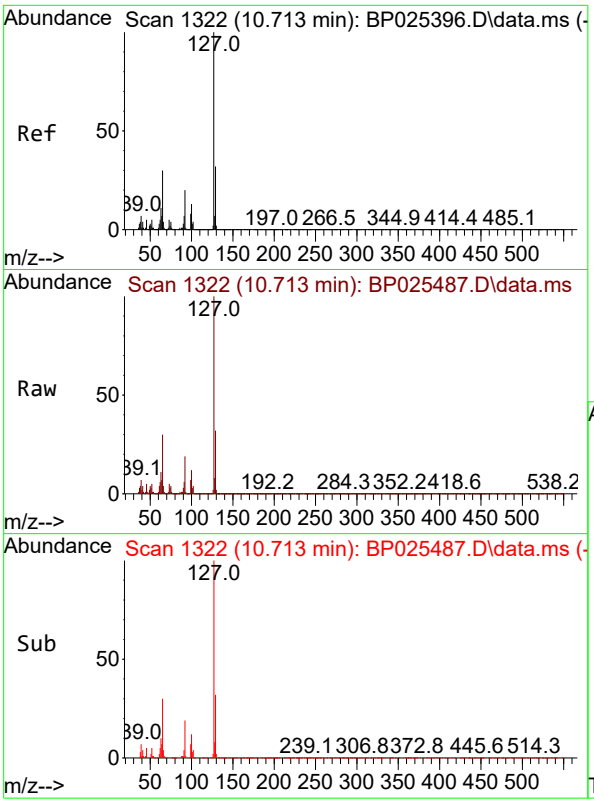


#32
Benzoic acid
Concen: 52.196 ng
RT: 9.895 min Scan# 1183
Delta R.T. 0.023 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:122 Resp: 408095

Ion	Ratio	Lower	Upper
122	100		
105	125.2	100.6	140.6
77	91.0	71.5	111.5



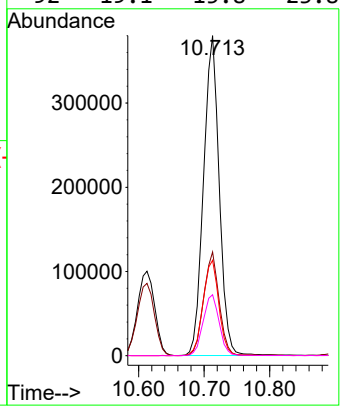


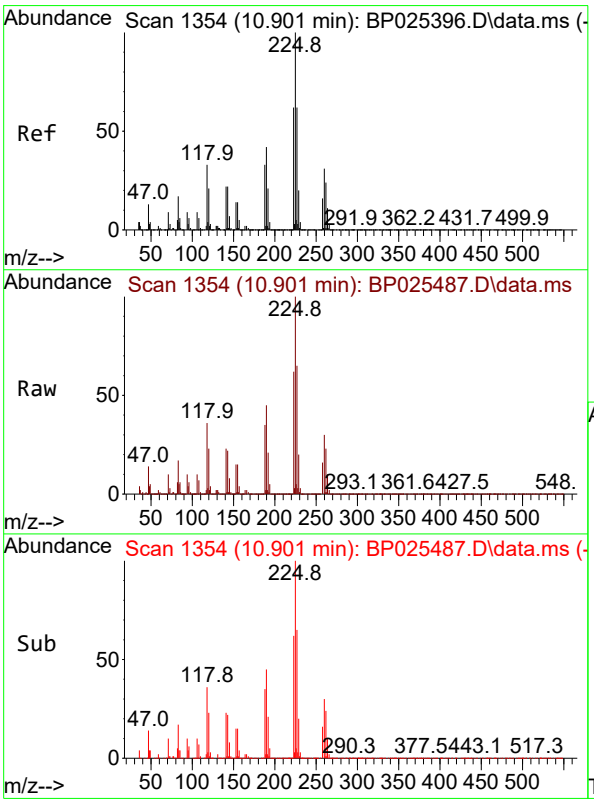
#33
4-Chloroaniline
Concen: 40.661 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 634028

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.2
65	29.8	23.8	35.6
92	19.1	15.8	23.8

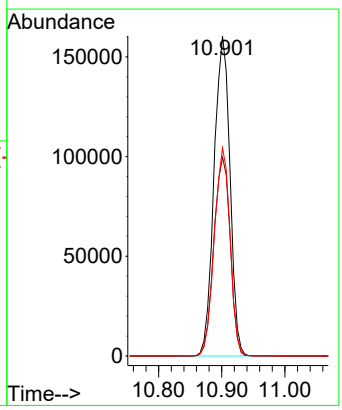


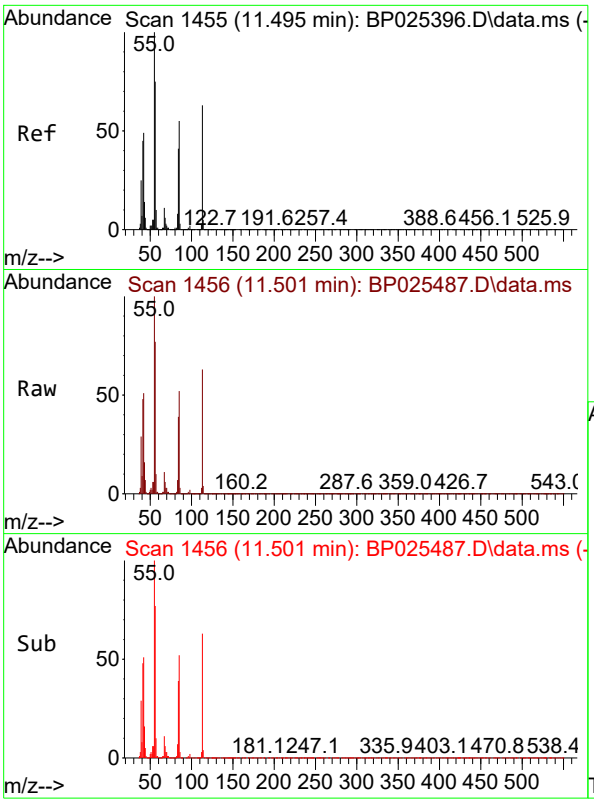


#34
Hexachlorobutadiene
Concen: 39.100 ng
RT: 10.901 min Scan# 1354
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:225 Resp: 280821

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.0	75.0
227	65.1	49.7	74.5



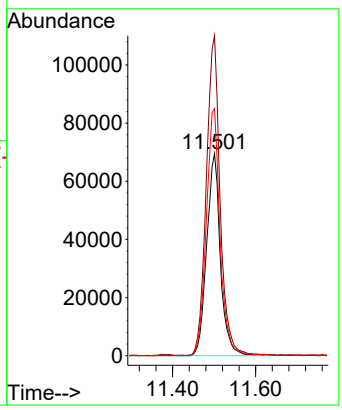


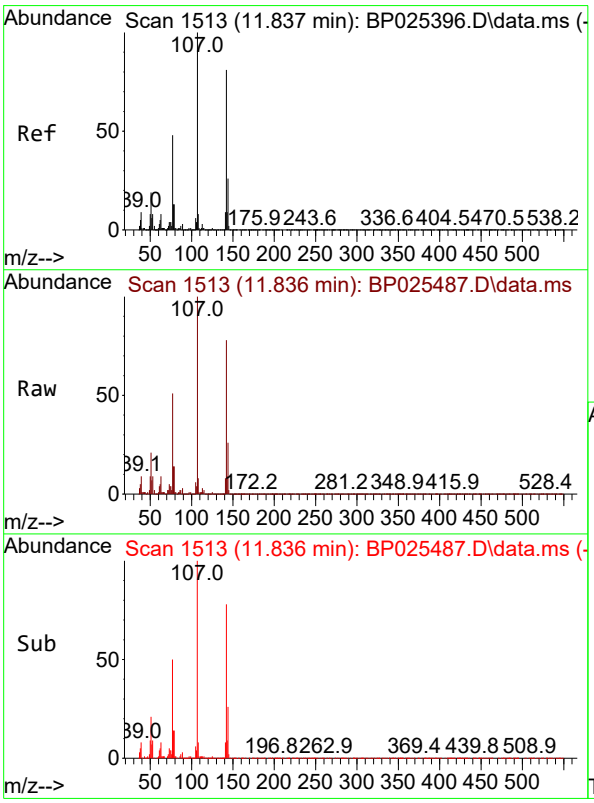
#35
Caprolactam
Concen: 41.192 ng
RT: 11.501 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 158902

Ion	Ratio	Lower	Upper
113	100		
55	158.4	140.0	180.0
56	122.3	100.0	140.0

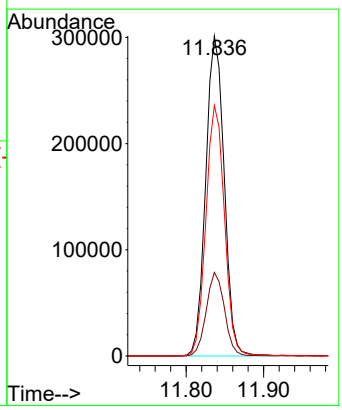


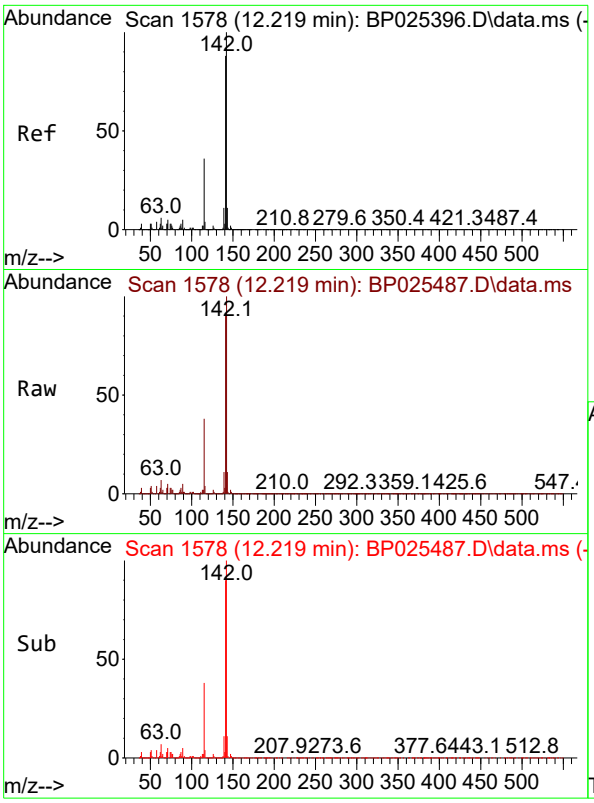


#36
4-Chloro-3-methylphenol
Concen: 41.295 ng
RT: 11.836 min Scan# 1513
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 498499

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.0	31.4
142	78.3	64.6	97.0





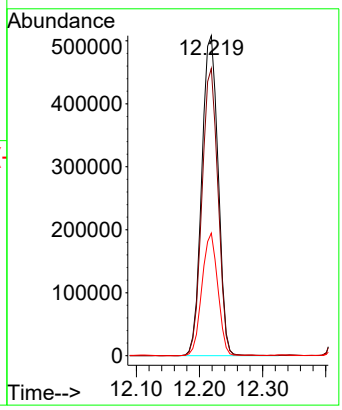
#37
2-Methylnaphthalene
Concen: 39.806 ng
RT: 12.219 min Scan# 1

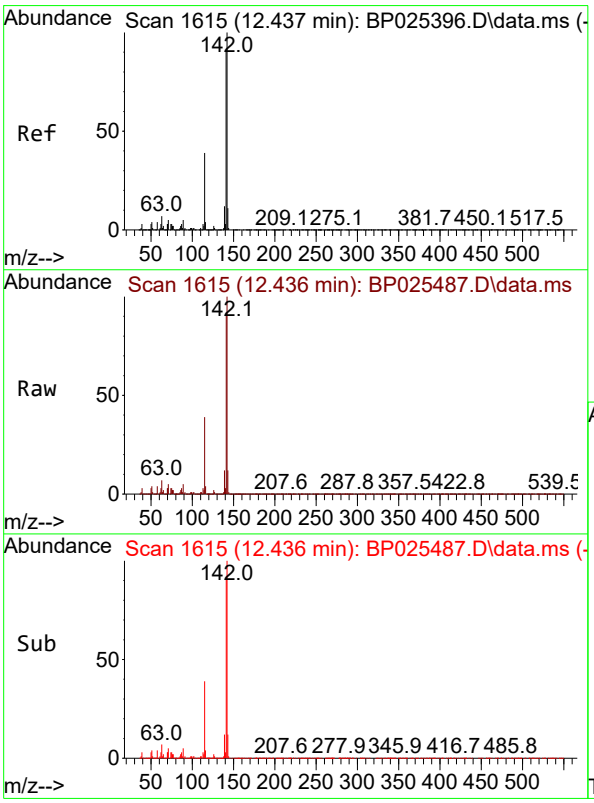
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 914456

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.3	105.5
115	38.3	28.9	43.3

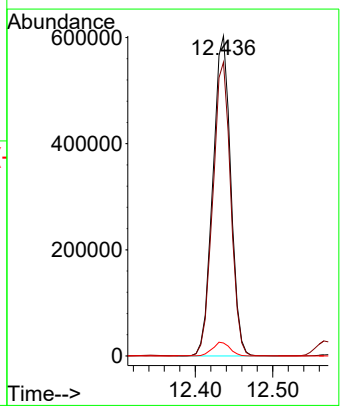


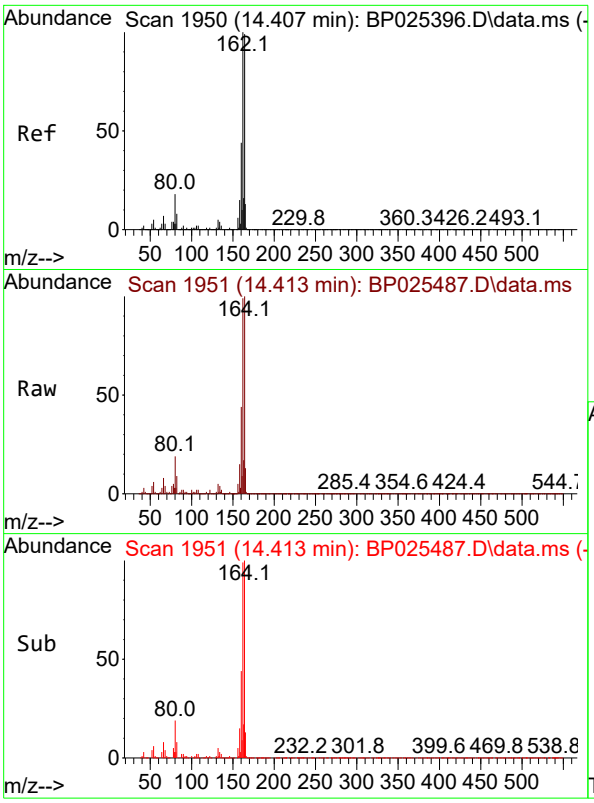


#38
1-Methylnaphthalene
Concen: 39.466 ng
RT: 12.436 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 964168

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7
116	4.0	3.2	4.8



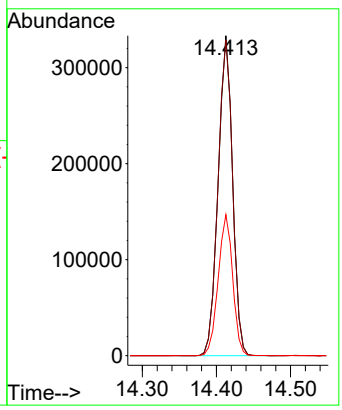


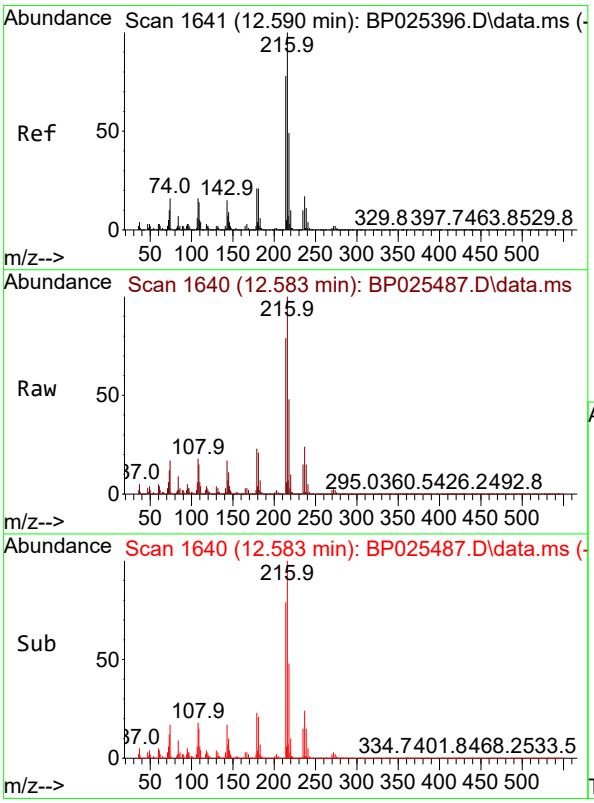
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.413 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 450864

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.0	121.6
160	44.1	35.4	53.2

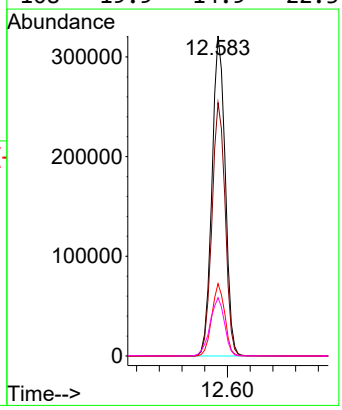


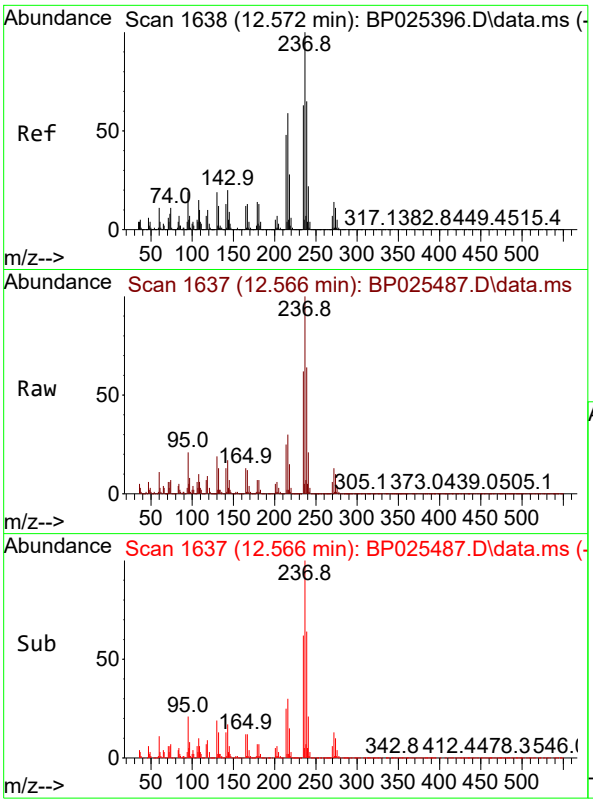


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.618 ng
RT: 12.583 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:216 Resp: 515884

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	22.1	17.1	25.7
108	19.9	14.9	22.3



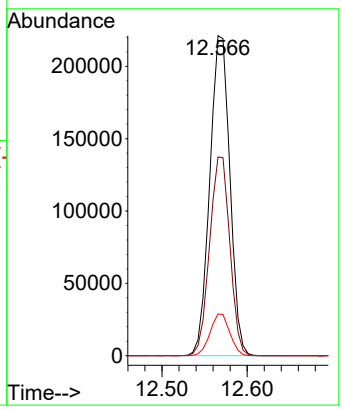


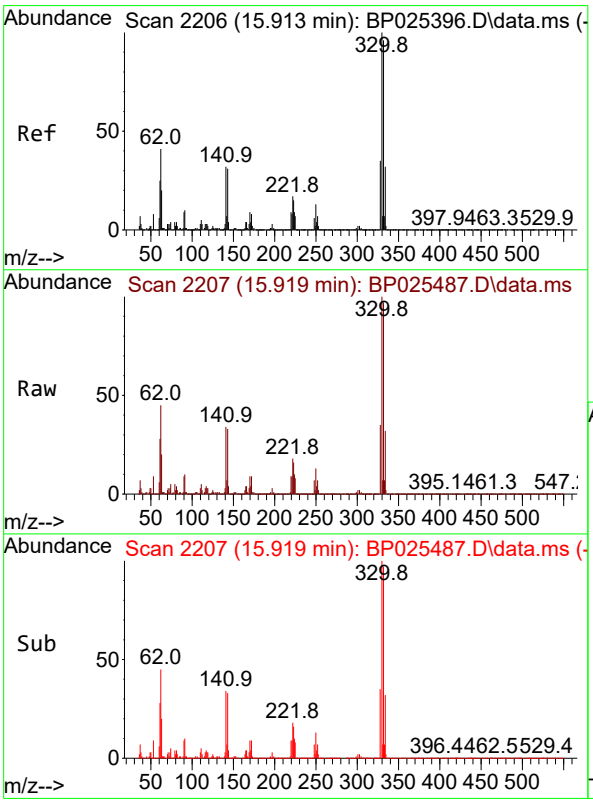
#41
Hexachlorocyclopentadiene
Concen: 46.040 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 362128

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.7	82.7
272	13.1	0.0	34.0

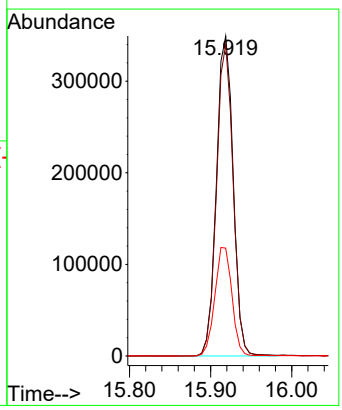


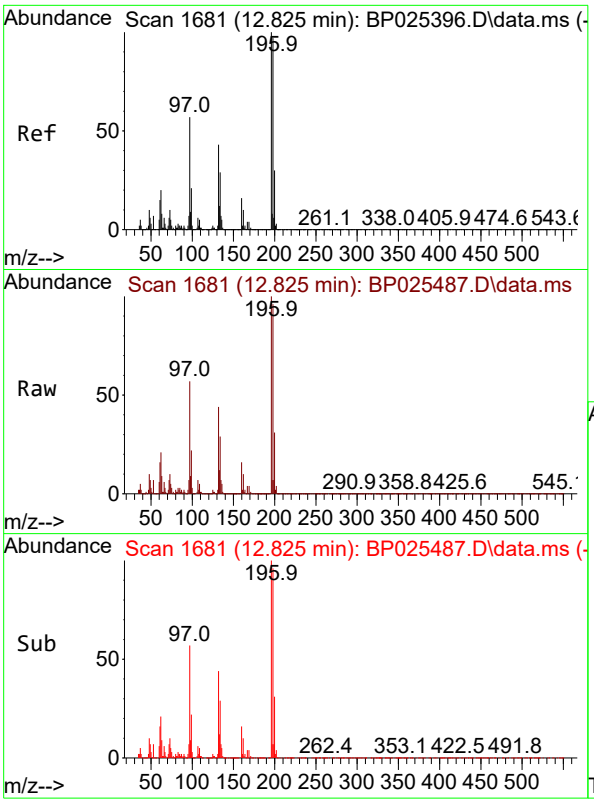


#42
2,4,6-Tribromophenol
Concen: 82.710 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:330 Resp: 501941

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	34.8	26.6	39.8



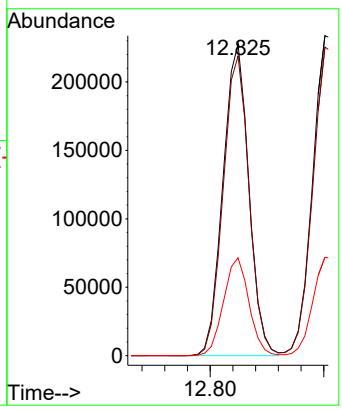


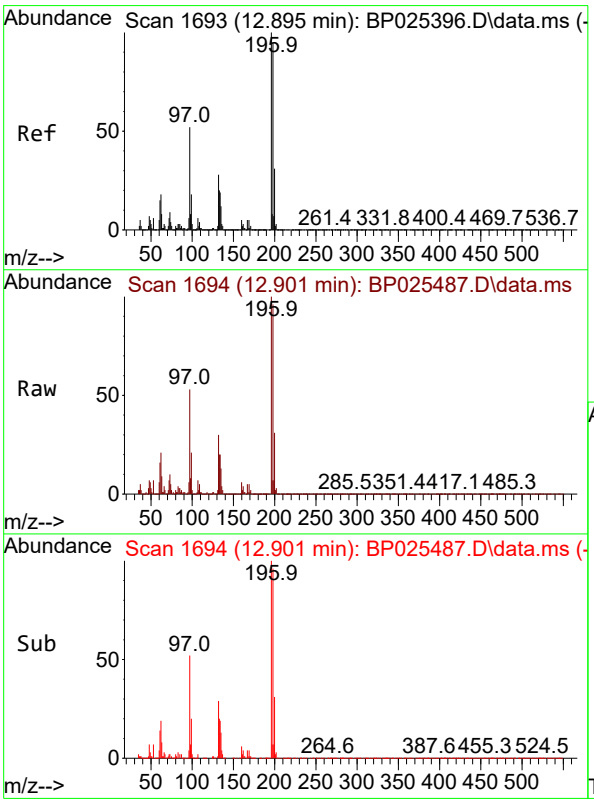
#43
2,4,6-Trichlorophenol
Concen: 40.986 ng
RT: 12.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 360300

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.2	115.8
200	31.4	23.9	35.9

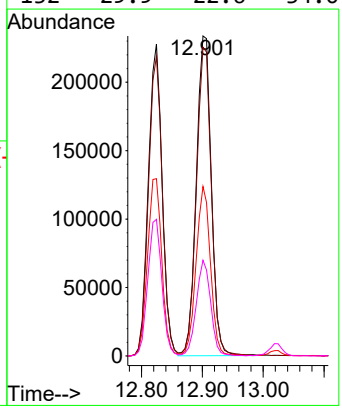


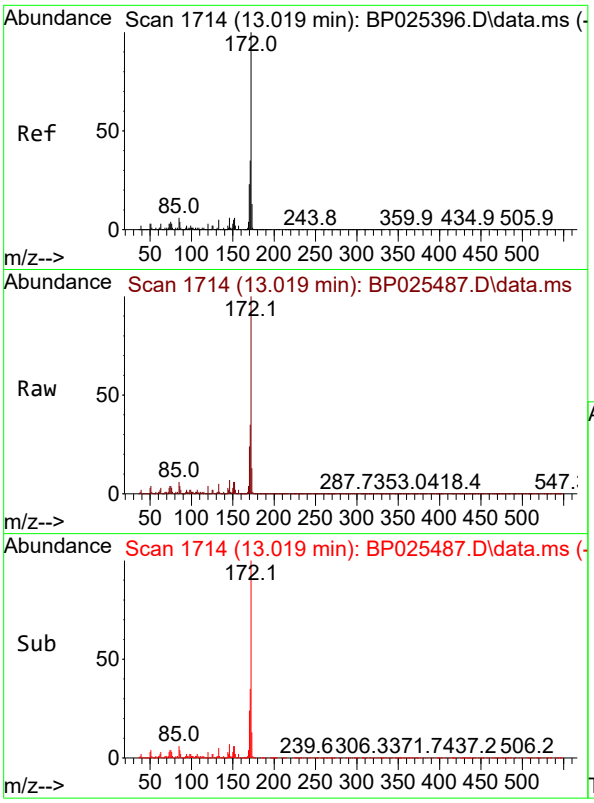


#44
2,4,5-Trichlorophenol
Concen: 41.492 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:196 Resp: 399763

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	53.0	41.2	61.8
132	29.9	22.6	34.0



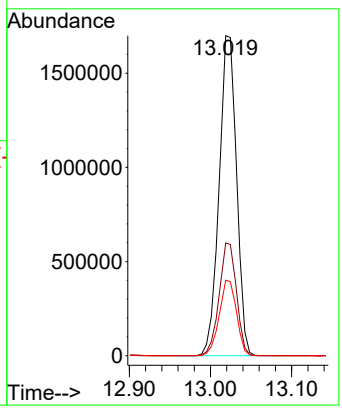


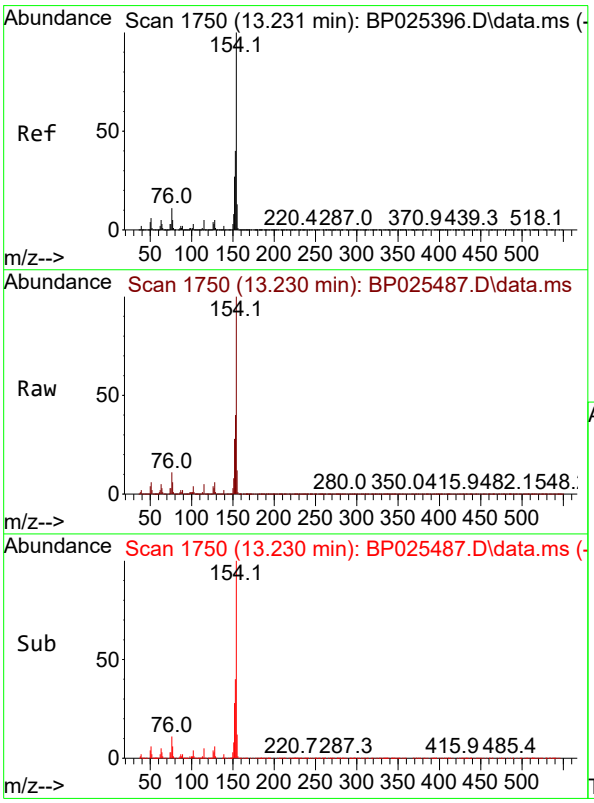
#45
2-Fluorobiphenyl
Concen: 76.967 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2539096

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.6	18.6	28.0

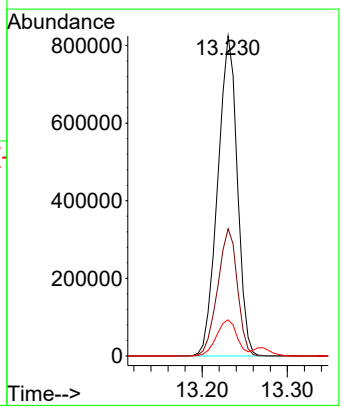


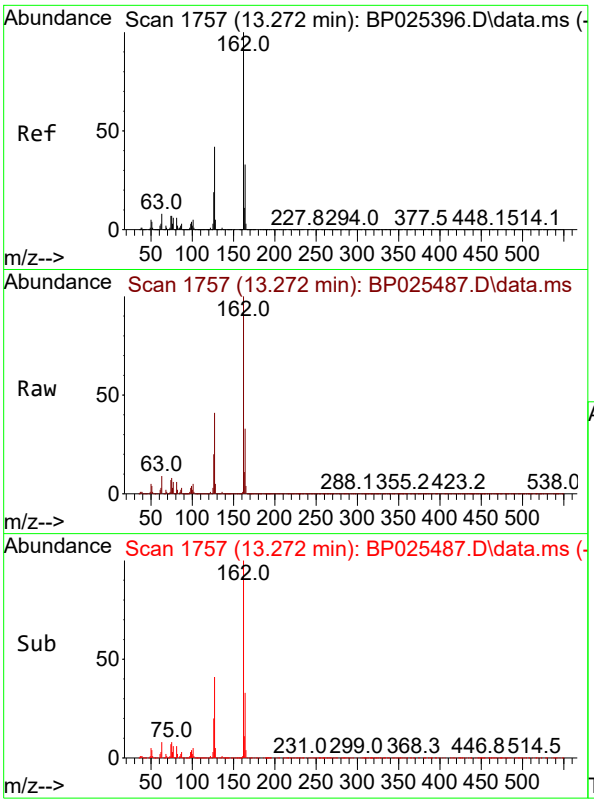


#46
1,1'-Biphenyl
Concen: 40.264 ng
RT: 13.230 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 1318412

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	11.3	0.0	31.1



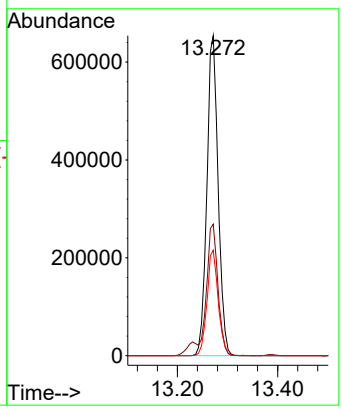


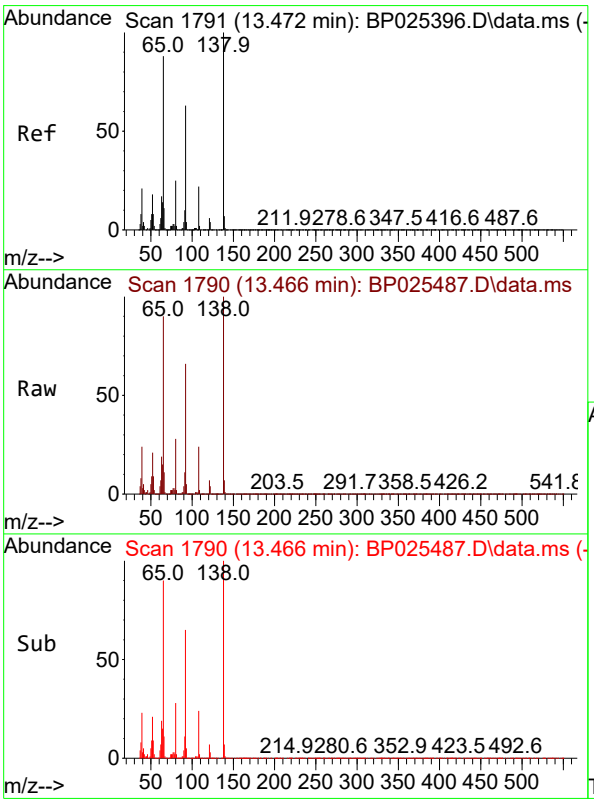
#47
2-Chloronaphthalene
Concen: 39.989 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1019352

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	33.0	26.2	39.2

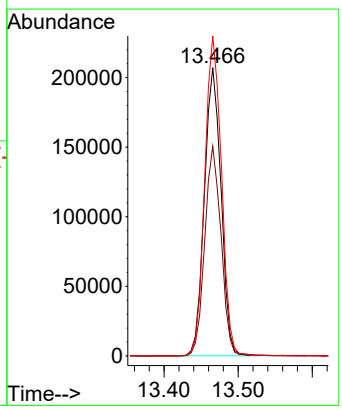


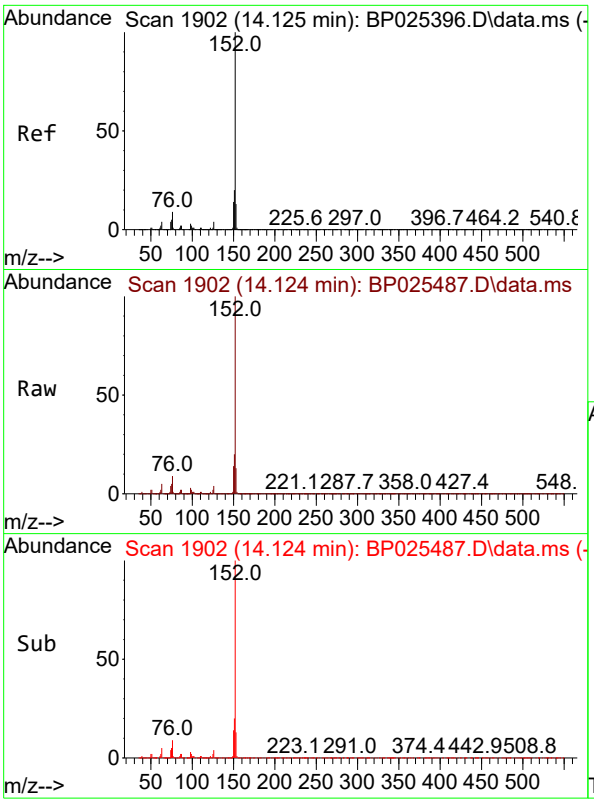


#48
2-Nitroaniline
Concen: 43.643 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 65 Resp: 324159

Ion	Ratio	Lower	Upper
65	100		
92	72.7	57.6	86.4
138	111.0	91.0	136.6



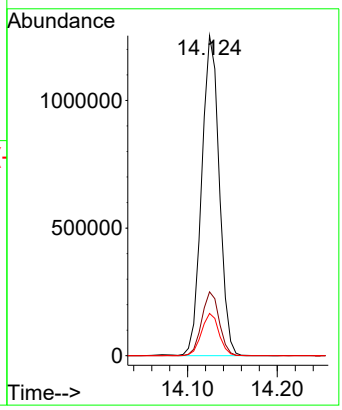


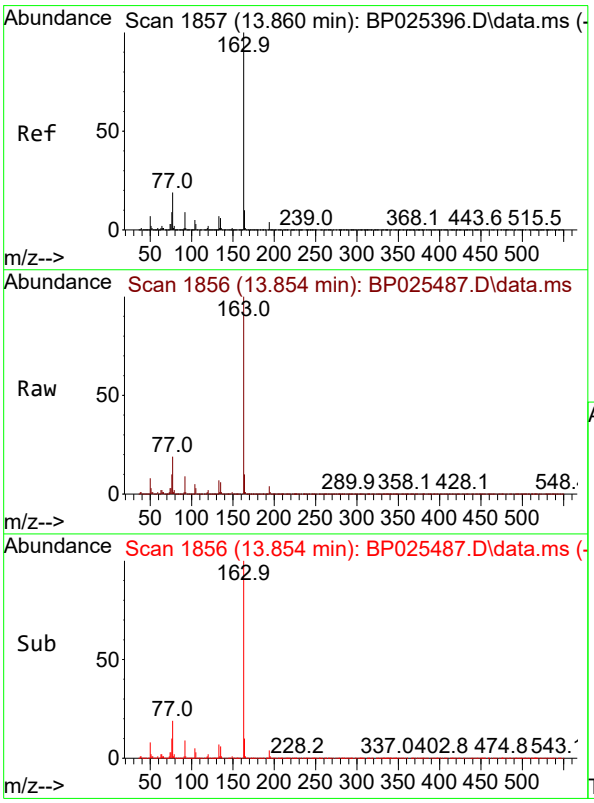
#49
Acenaphthylene
Concen: 40.393 ng
RT: 14.124 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1703788

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

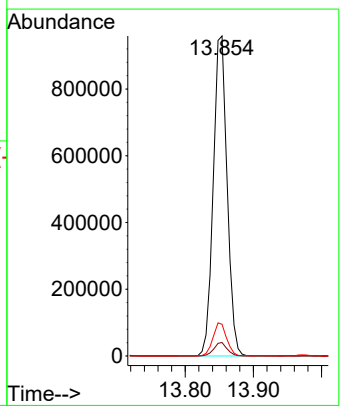


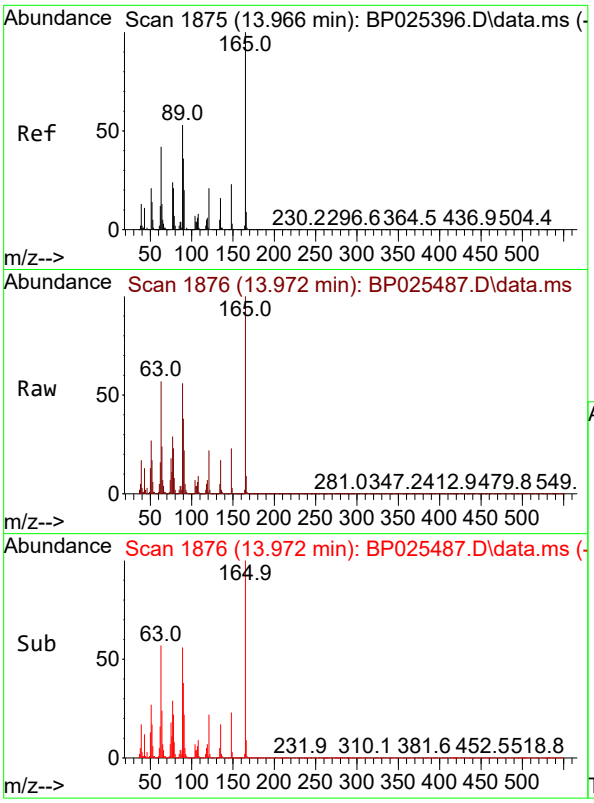


#50
Dimethylphthalate
Concen: 41.055 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:163 Resp: 1355491

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	7.9	11.9



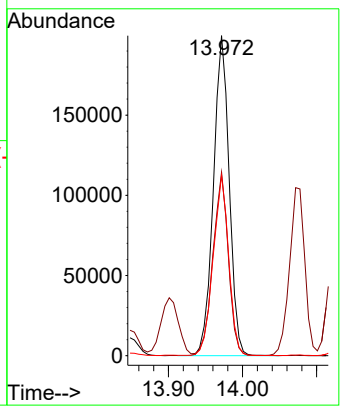


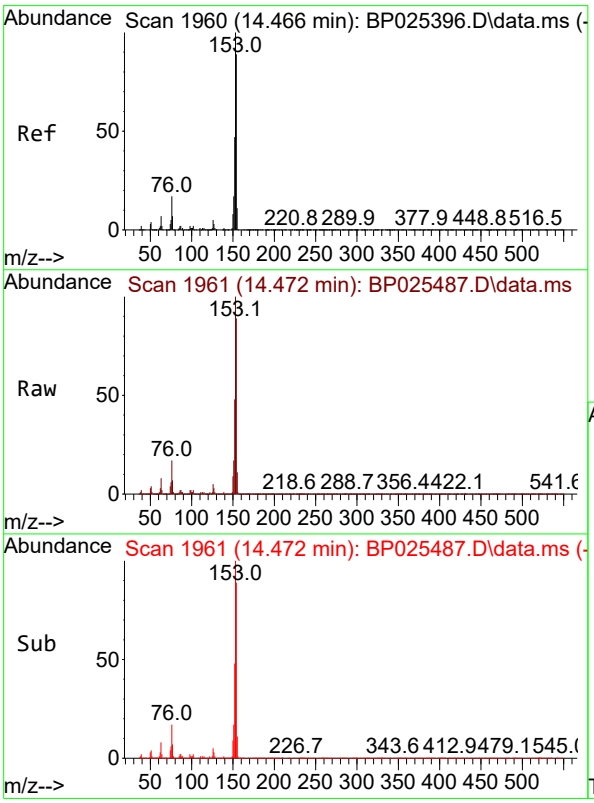
#51
2,6-Dinitrotoluene
Concen: 42.345 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 294671

Ion	Ratio	Lower	Upper
165	100		
63	57.3	40.9	61.3
89	56.4	42.1	63.1

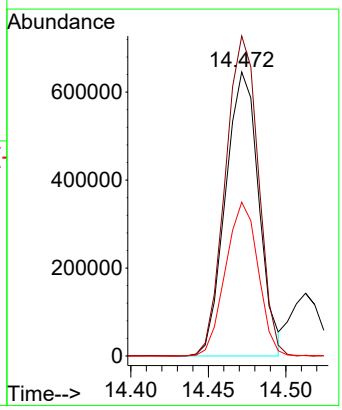


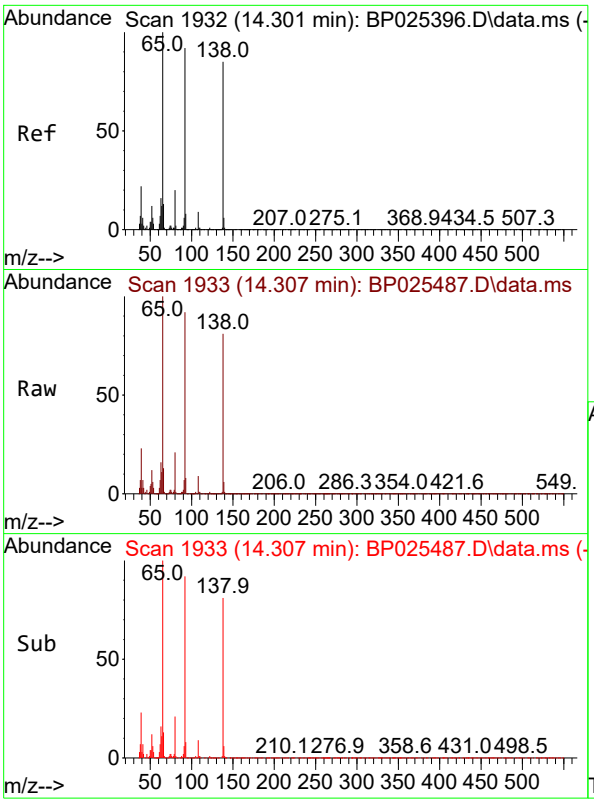


#52
Acenaphthene
Concen: 39.004 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 965696

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.2	135.2
152	54.1	42.1	63.1



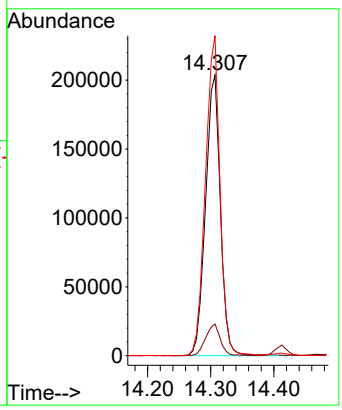


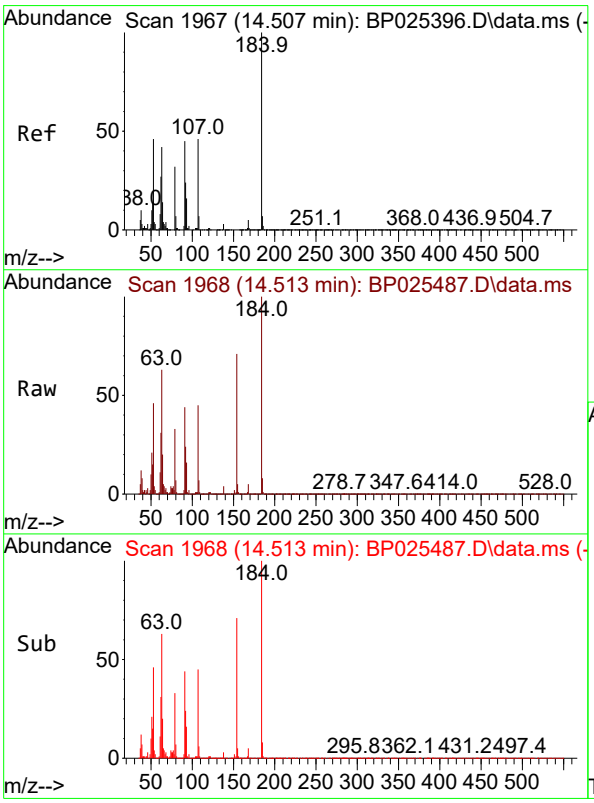
#53
3-Nitroaniline
Concen: 42.258 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 330858

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	114.1	86.2	129.2

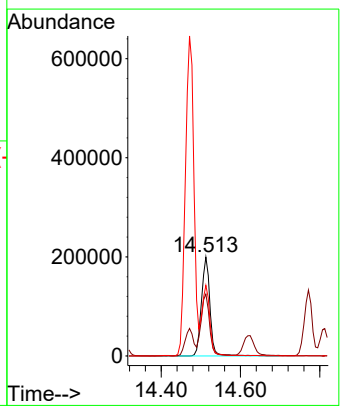


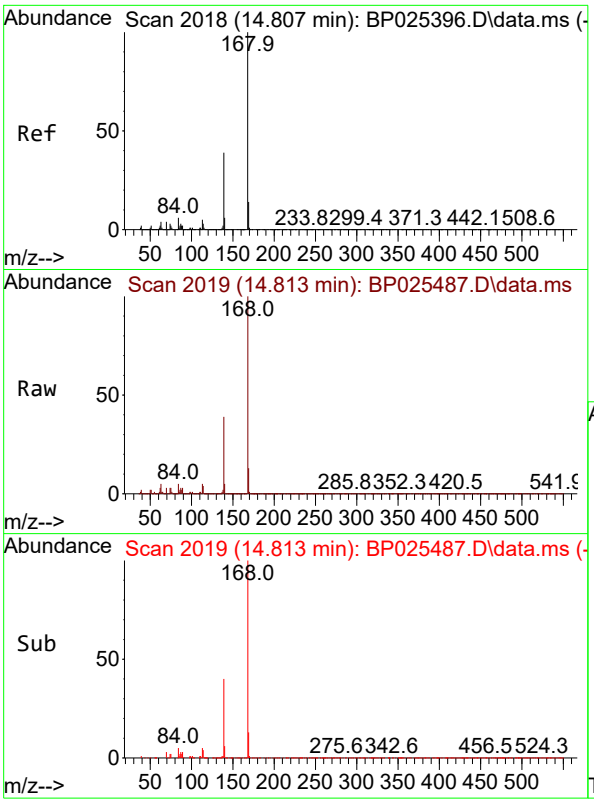


#54
2,4-Dinitrophenol
Concen: 80.460 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:184 Resp: 299007

Ion	Ratio	Lower	Upper
184	100		
63	62.7	49.4	74.2
154	71.4	54.6	82.0



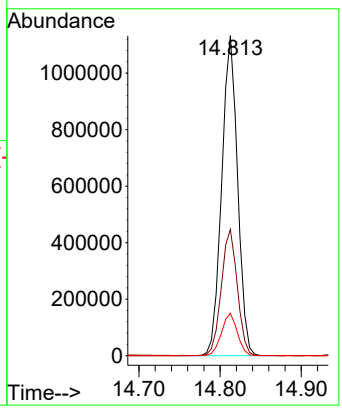


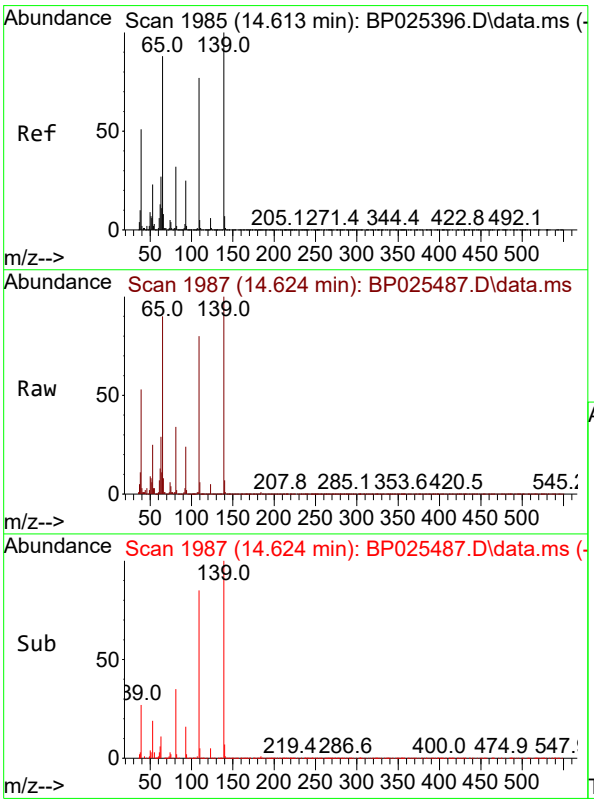
#55
Dibenzofuran
Concen: 39.380 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1541513

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.5	47.3
169	13.2	10.9	16.3

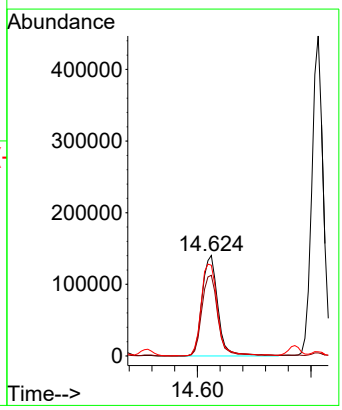


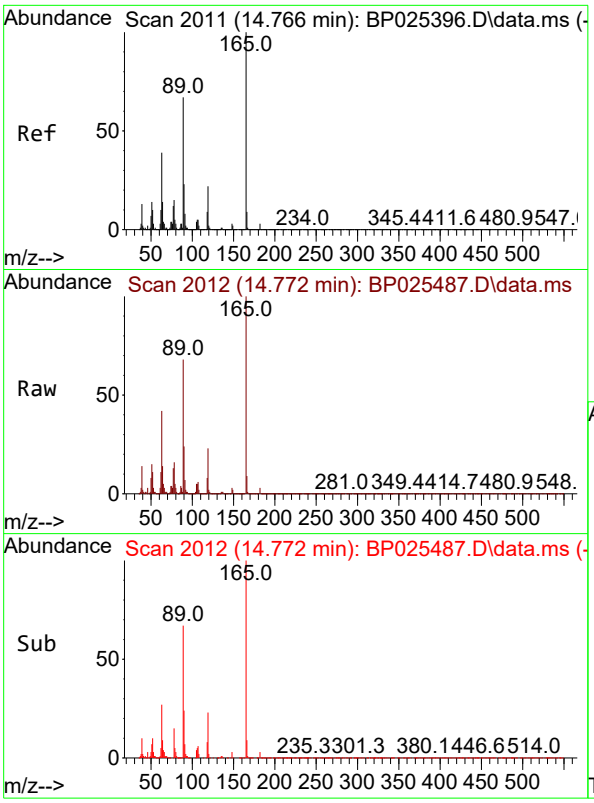


#56
4-Nitrophenol
Concen: 42.159 ng
RT: 14.624 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:139 Resp: 271237

Ion	Ratio	Lower	Upper
139	100		
109	80.3	56.6	96.6
65	90.3	68.2	108.2



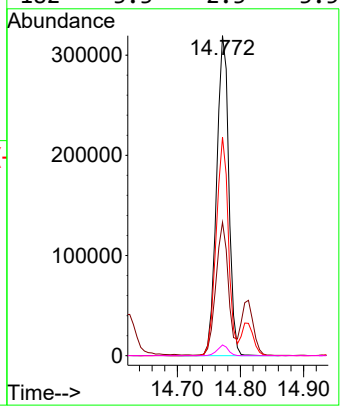


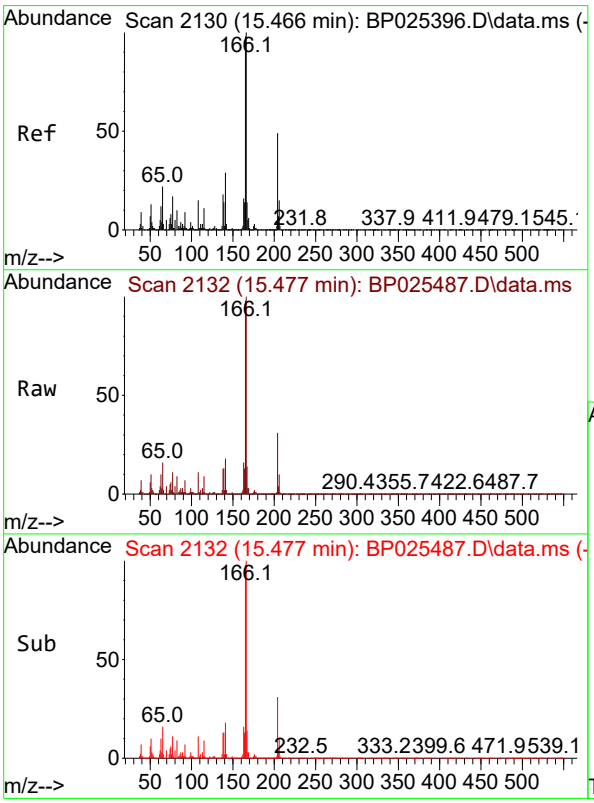
#57
2,4-Dinitrotoluene
Concen: 43.171 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 428628

Ion	Ratio	Lower	Upper
165	100		
63	41.7	31.4	47.2
89	68.3	53.3	79.9
182	3.3	2.3	3.5

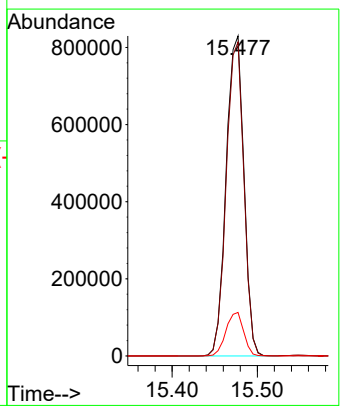


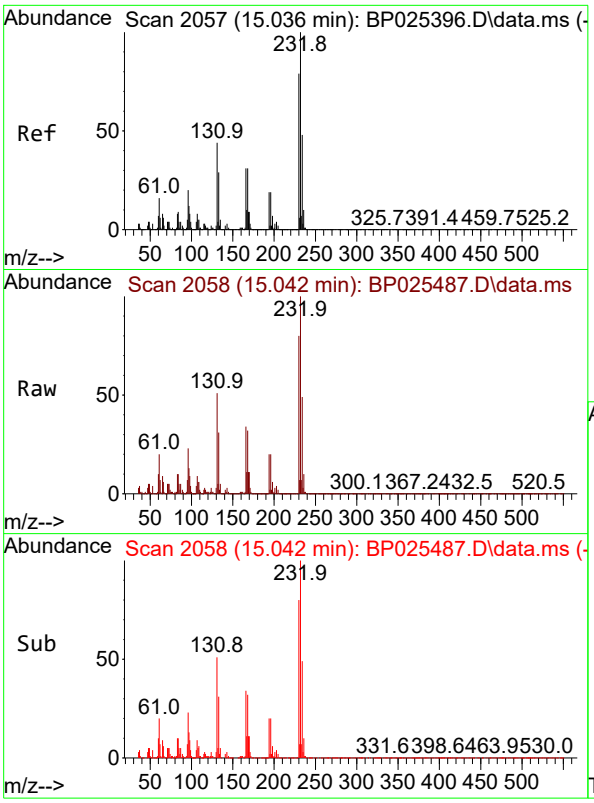


#58
Fluorene
Concen: 38.896 ng
RT: 15.477 min Scan# 2132
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:166 Resp: 1201420

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.8	118.2
167	13.6	11.0	16.4



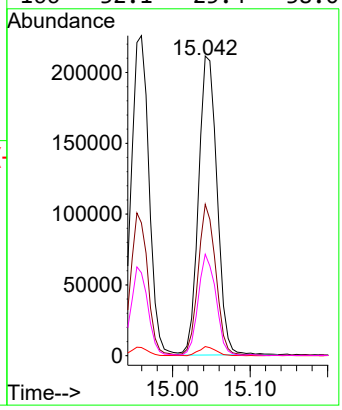


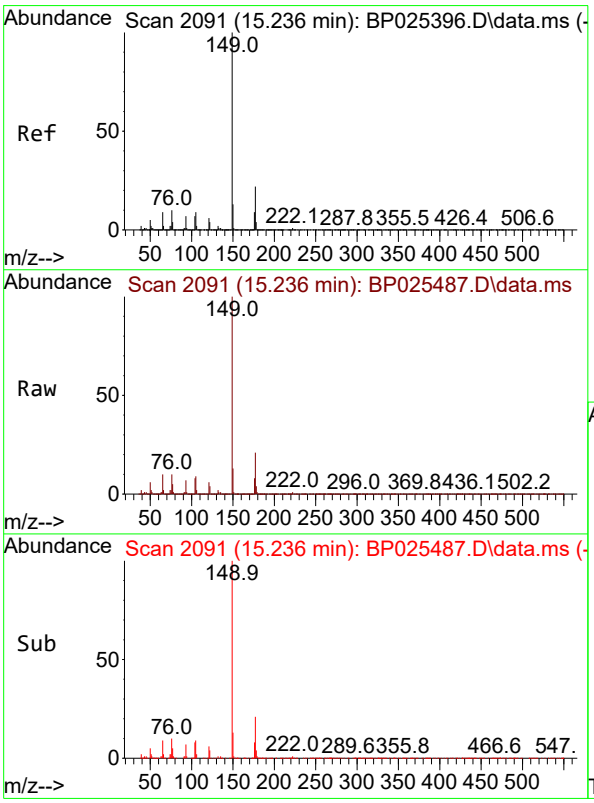
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.154 ng
RT: 15.042 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 350101

Ion	Ratio	Lower	Upper
232	100		
131	48.6	37.0	55.6
130	2.8	1.9	2.9
166	32.1	25.4	38.0

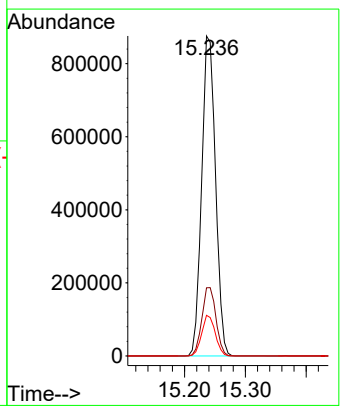


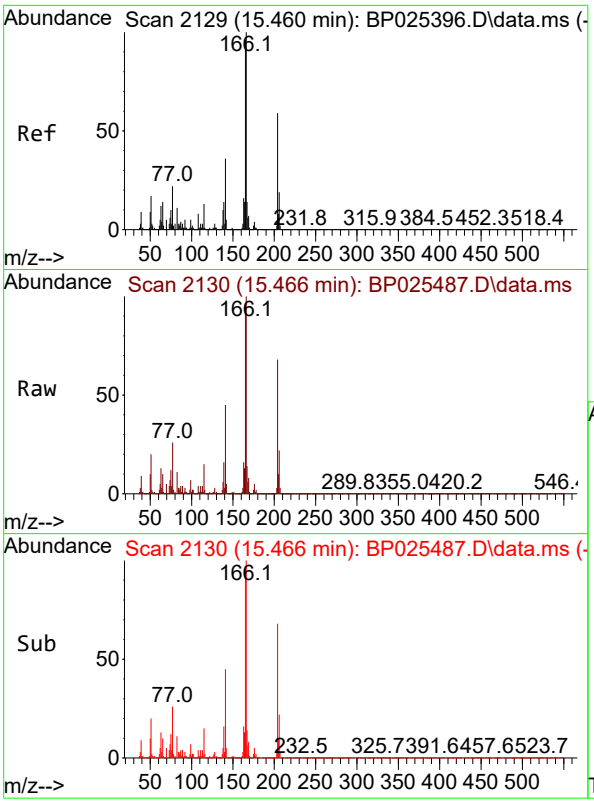


#60
Diethylphthalate
Concen: 41.316 ng
RT: 15.236 min Scan# 2091
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1386072

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.7	10.3	15.5



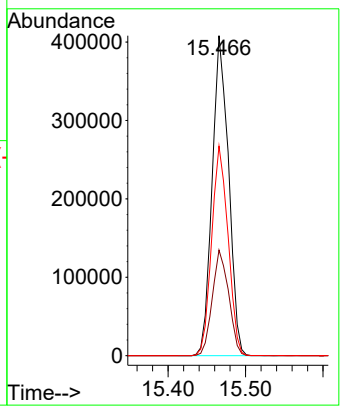


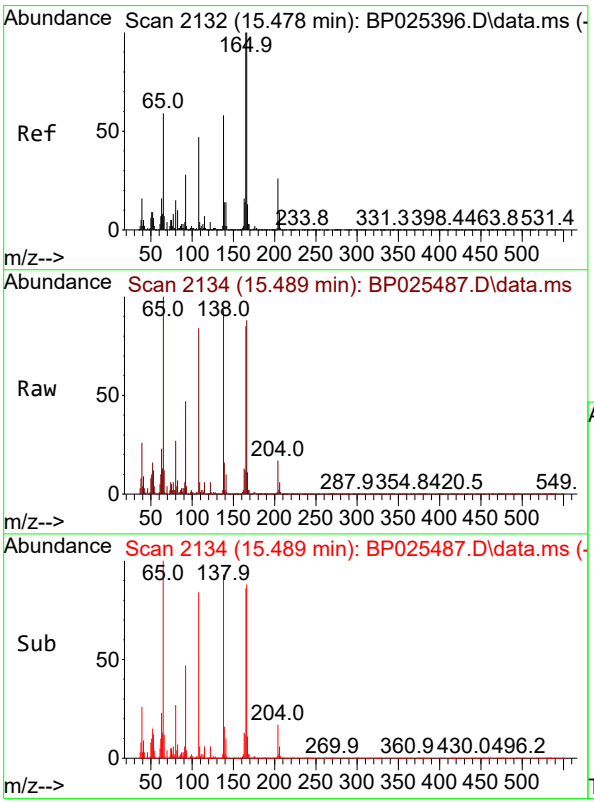
#61
4-Chlorophenyl-phenylether
Concen: 38.989 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 598934

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.8
141	65.5	49.4	74.2

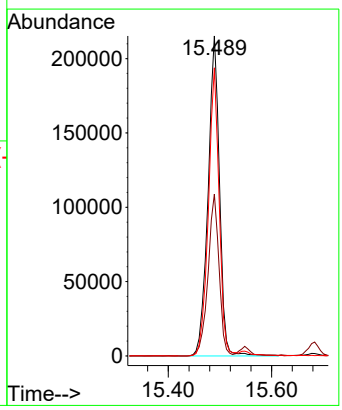


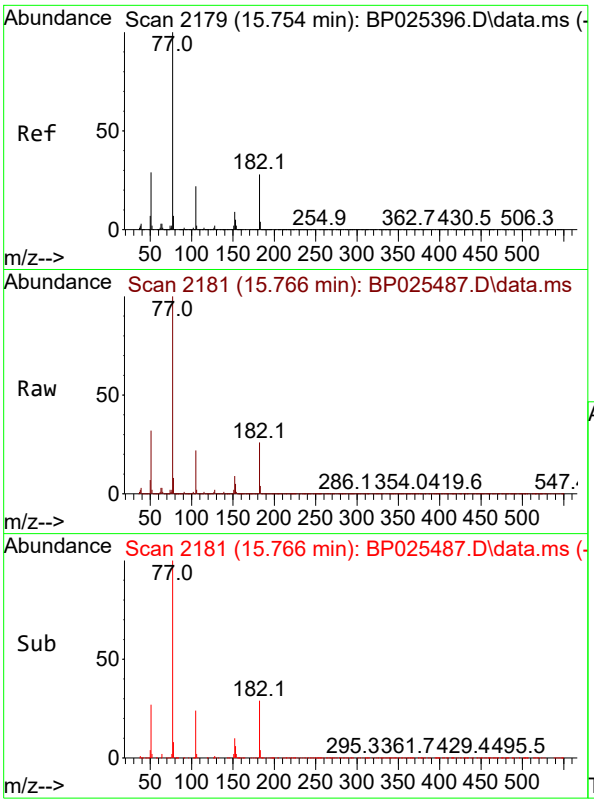


#62
4-Nitroaniline
Concen: 41.329 ng
RT: 15.489 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:138 Resp: 331726

Ion	Ratio	Lower	Upper
138	100		
92	50.6	29.1	69.1
108	90.0	61.5	101.5



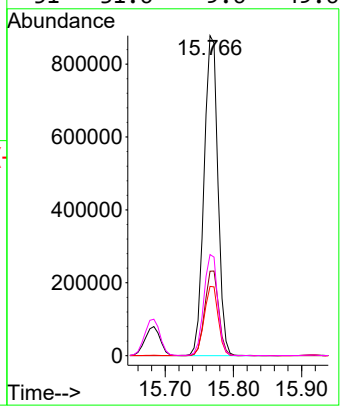


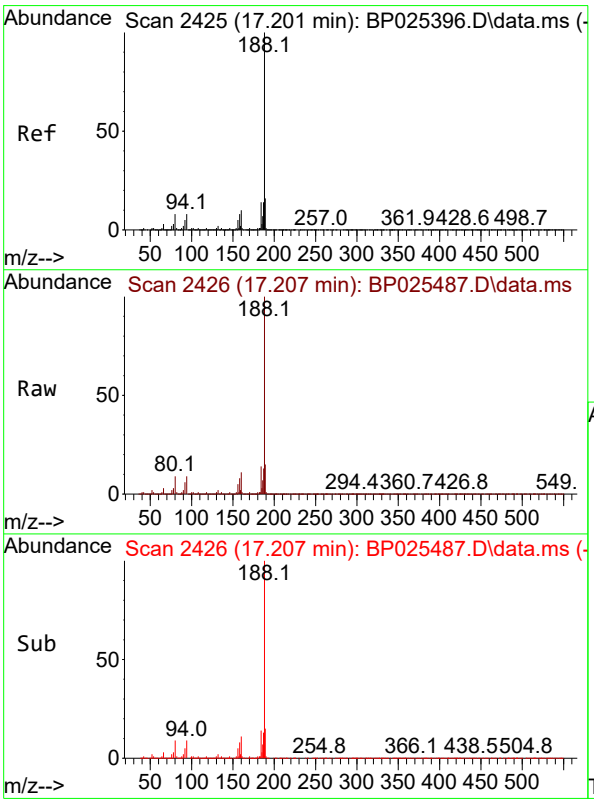
#63
Azobenzene
Concen: 43.196 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1240846

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.6	2.1	42.1
51	31.6	9.6	49.6

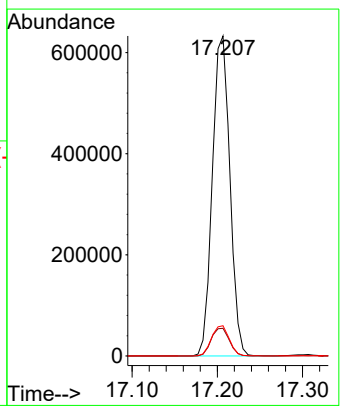


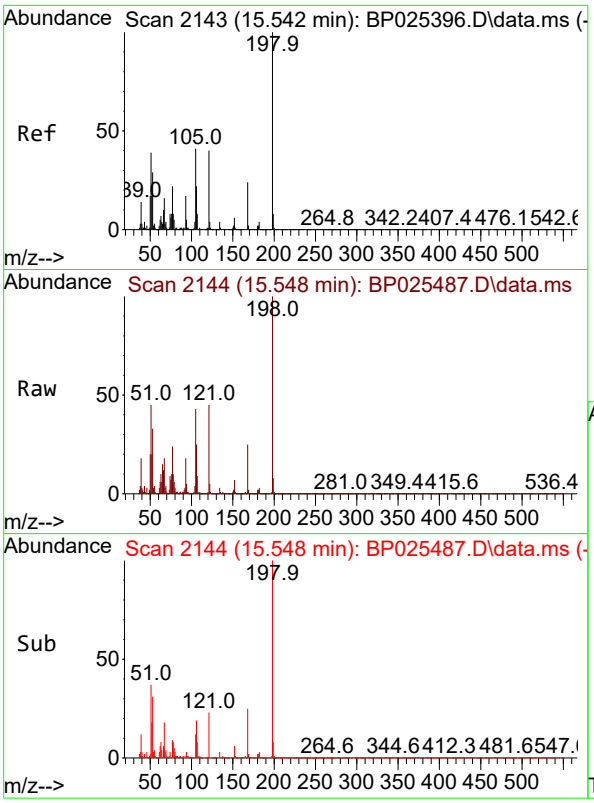


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:188 Resp: 905283

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	6.7	10.1



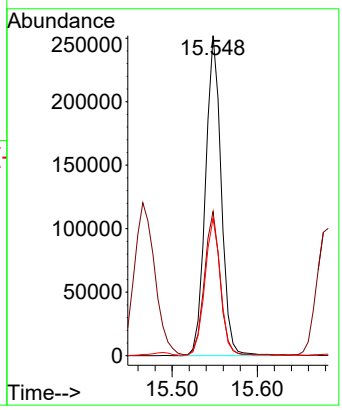


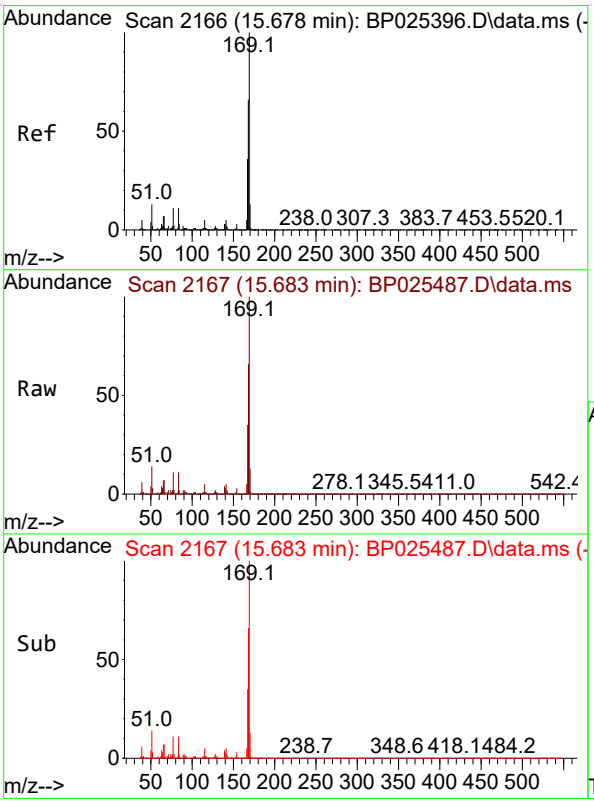
#65
4,6-Dinitro-2-methylphenol
Concen: 57.103 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 322240

Ion	Ratio	Lower	Upper
198	100		
51	45.1	19.6	59.6
105	42.9	20.9	60.9

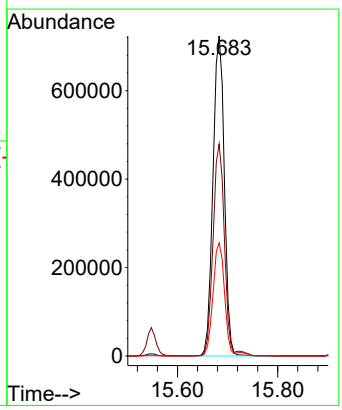


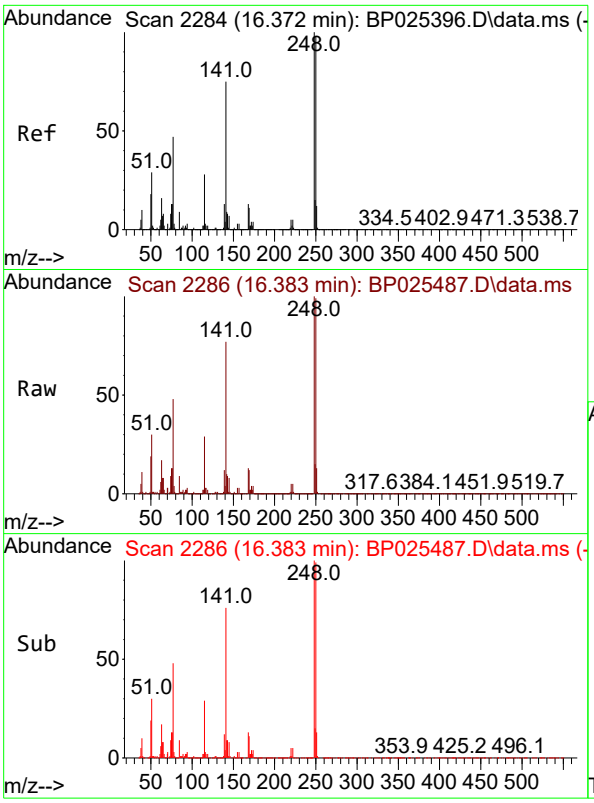


#66
n-Nitrosodiphenylamine
Concen: 41.022 ng
RT: 15.683 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:169 Resp: 1132449

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	35.3	28.7	43.1



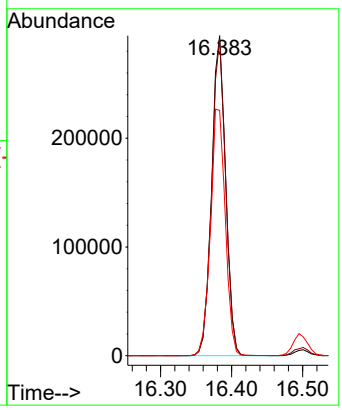


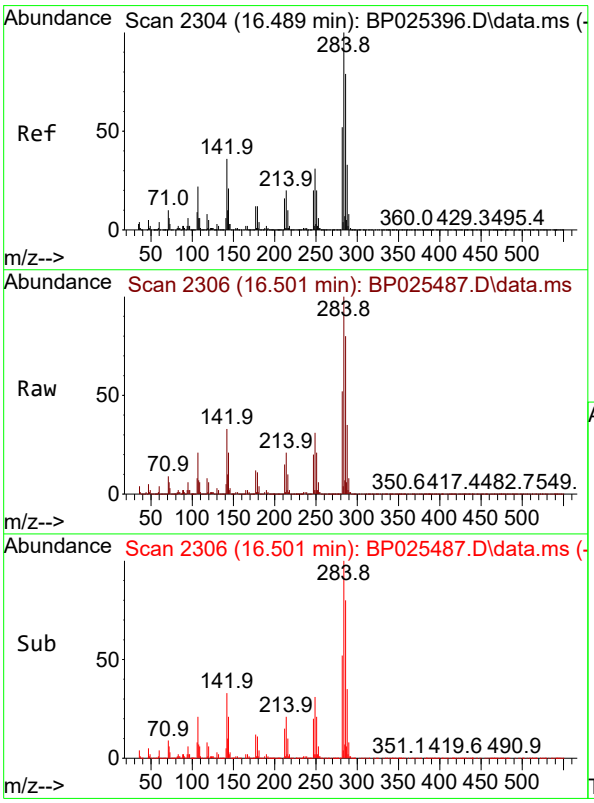
#67
4-Bromophenyl-phenylether
Concen: 40.448 ng
RT: 16.383 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 402714

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.2
141	76.6	59.6	89.4

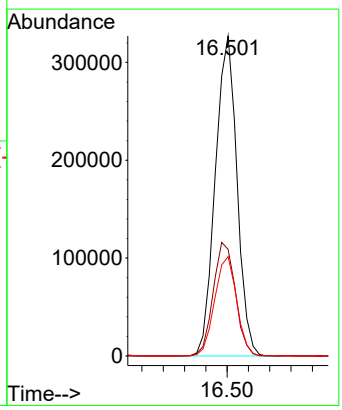


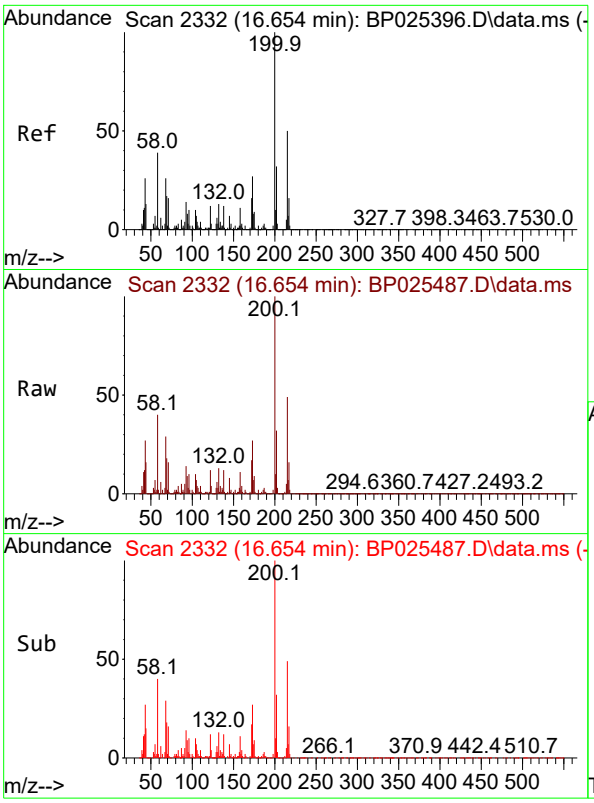


#68
Hexachlorobenzene
Concen: 39.997 ng
RT: 16.501 min Scan# 2306
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:284 Resp: 461625

Ion	Ratio	Lower	Upper
284	100		
142	33.3	29.1	43.7
249	31.1	25.0	37.4



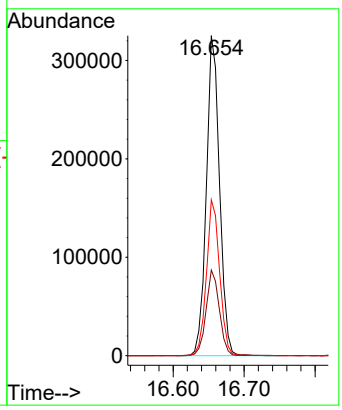


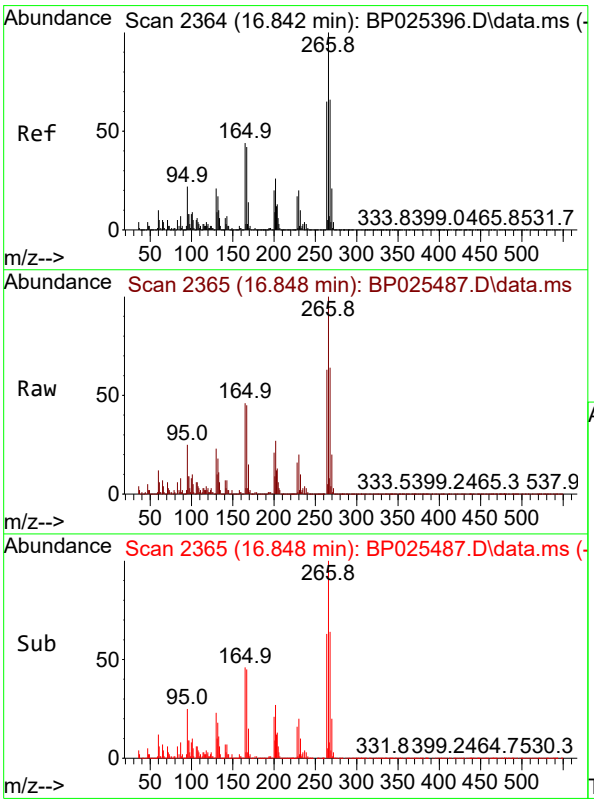
#69
Atrazine
Concen: 40.669 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 420453

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.7	46.7
215	48.7	29.7	69.7

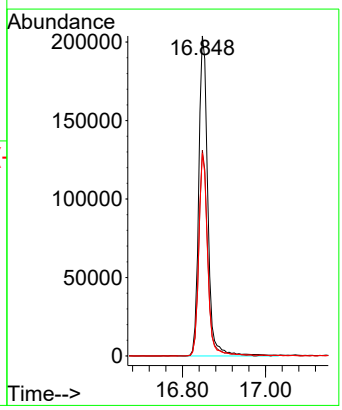


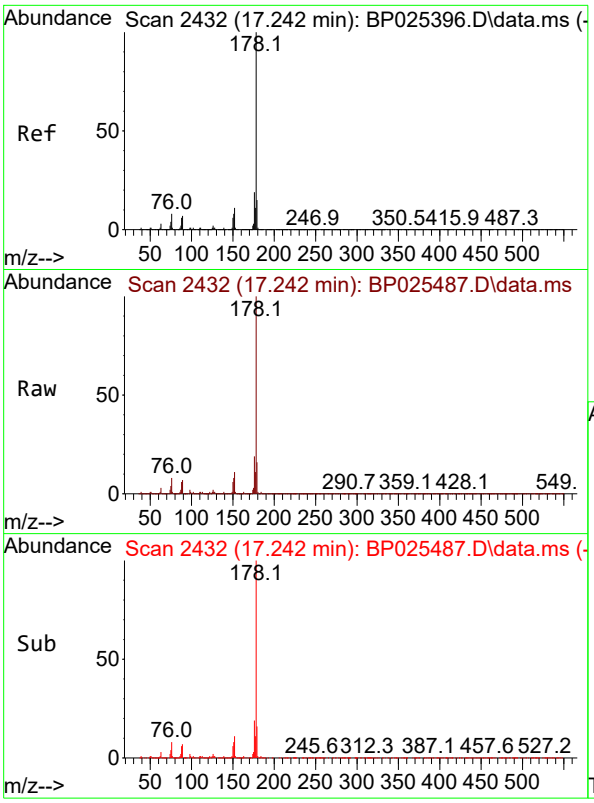


#70
Pentachlorophenol
Concen: 42.259 ng
RT: 16.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:266 Resp: 307884

Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.6	79.0
264	63.3	52.0	78.0



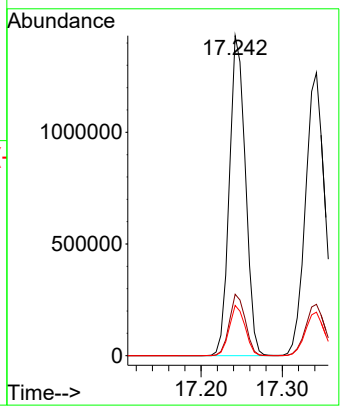


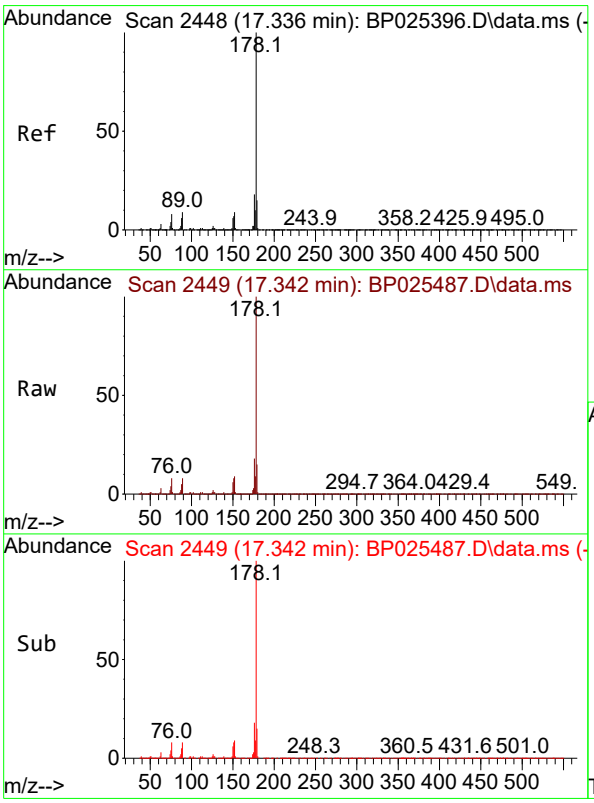
#71
Phenanthrene
Concen: 39.449 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1961812

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.7	12.2	18.4

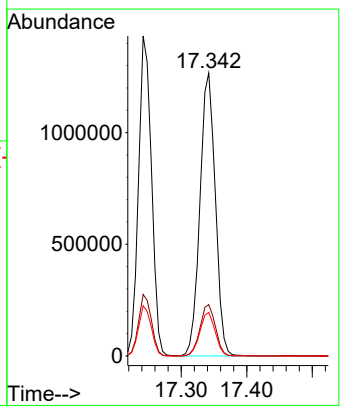


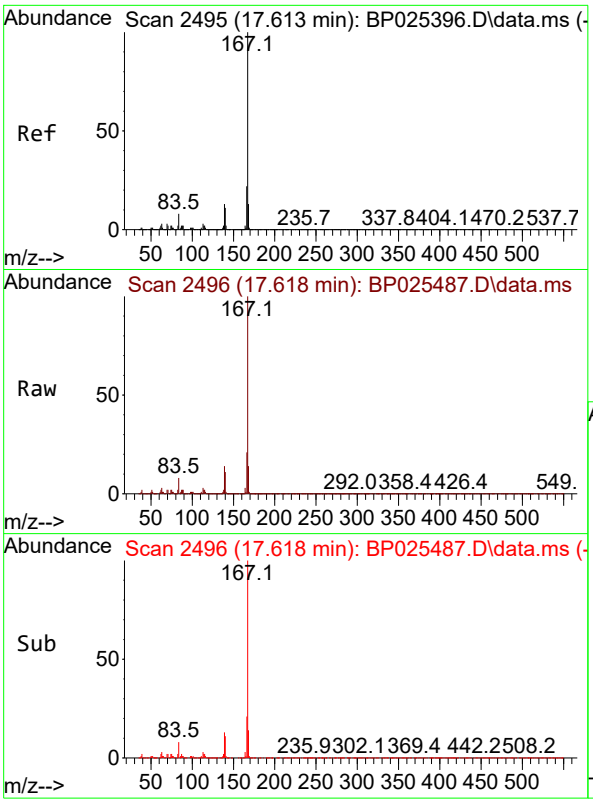


#72
Anthracene
Concen: 40.780 ng
RT: 17.342 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:178 Resp: 2071008

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.2	18.2



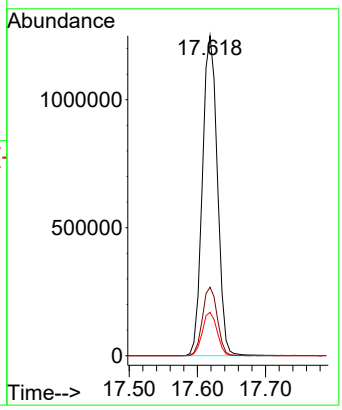


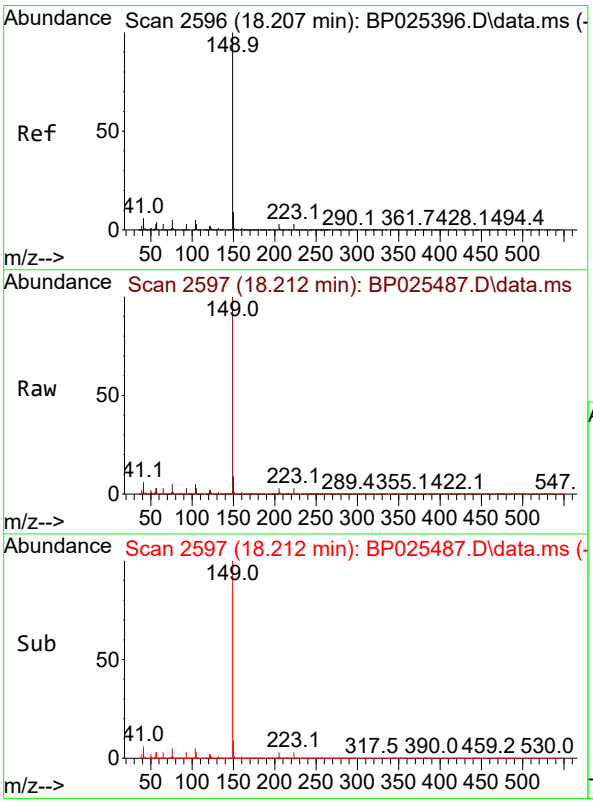
#73
Carbazole
Concen: 39.801 ng
RT: 17.618 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1903889

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.6	10.6	16.0

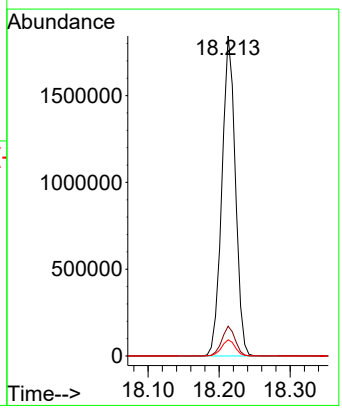


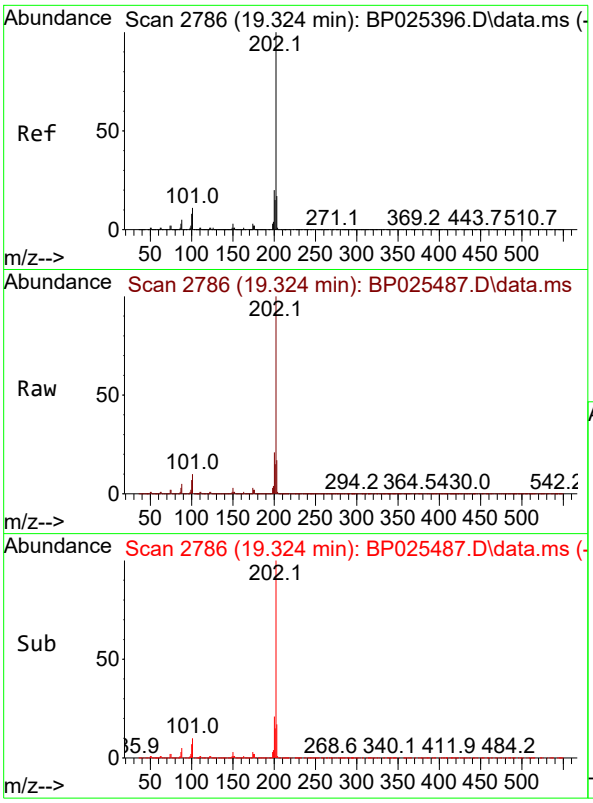


#74
Di-n-butylphthalate
Concen: 41.022 ng
RT: 18.212 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 2414257

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.0	4.2	6.2



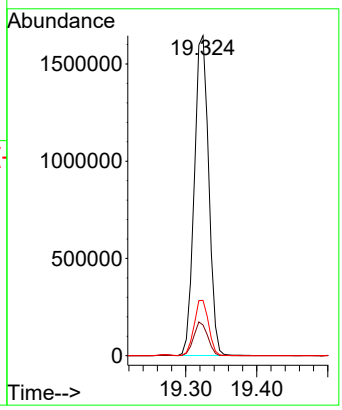


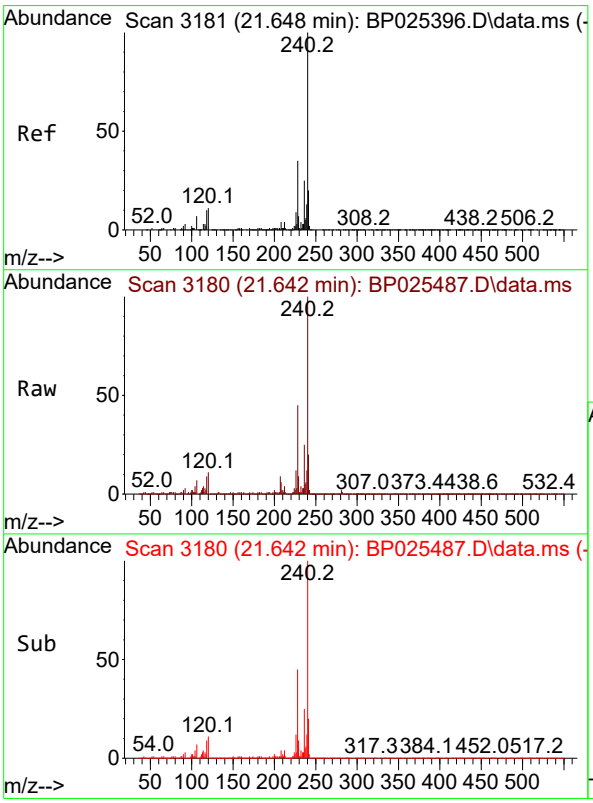
#75
Fluoranthene
Concen: 39.147 ng
RT: 19.324 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2322167

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.1
203	17.3	0.0	37.3

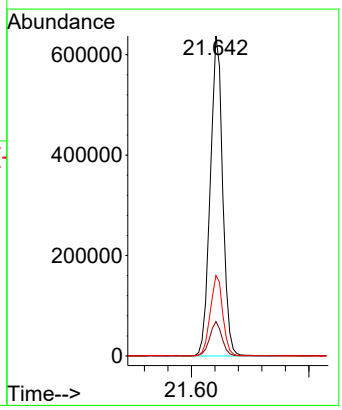


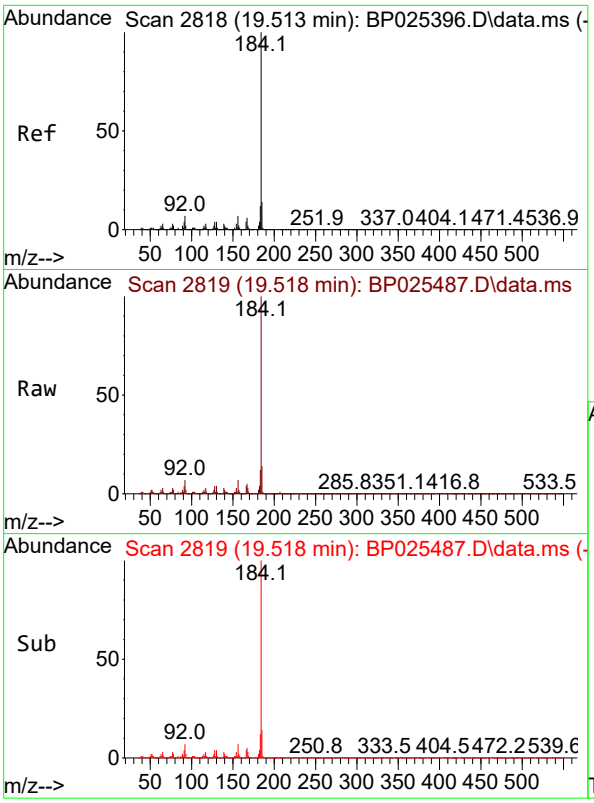


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:240 Resp: 932001

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.1	19.8	29.8



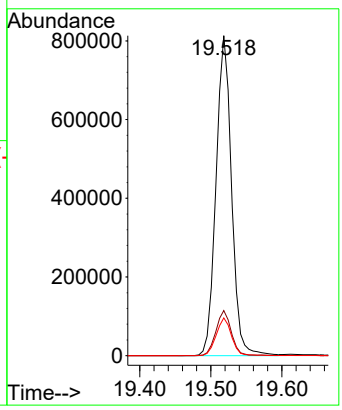


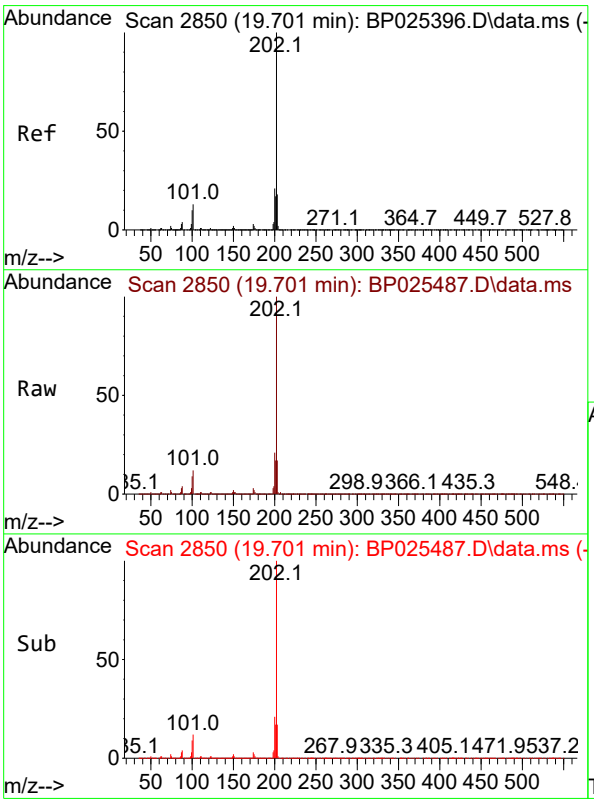
#77
Benzidine
Concen: 38.735 ng
RT: 19.518 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1232065

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.8	9.4	14.2

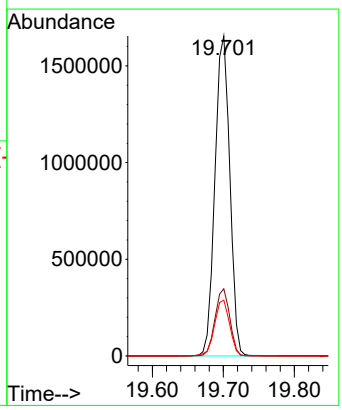


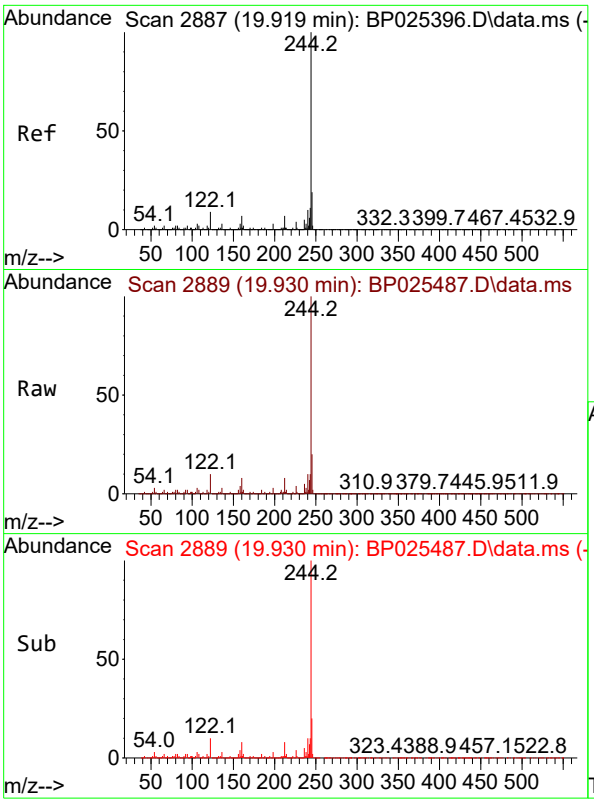


#78
Pyrene
Concen: 39.527 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 2394461

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.5	14.2	21.2



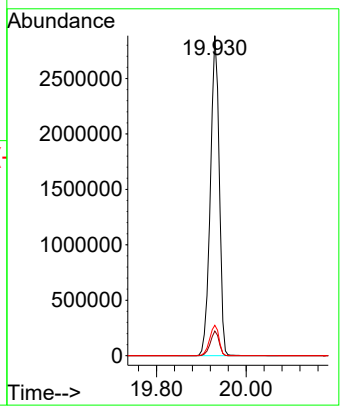


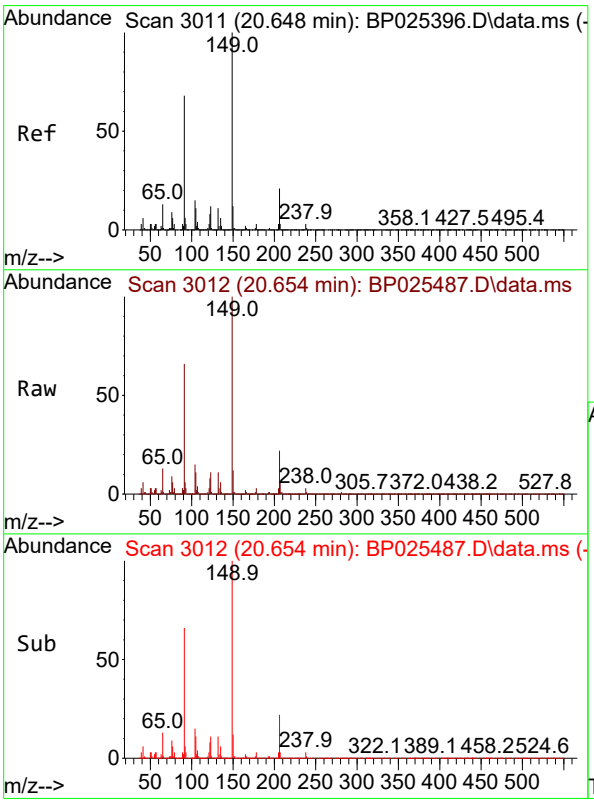
#79
Terphenyl-d14
Concen: 77.640 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3955073

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	9.5	7.4	11.2

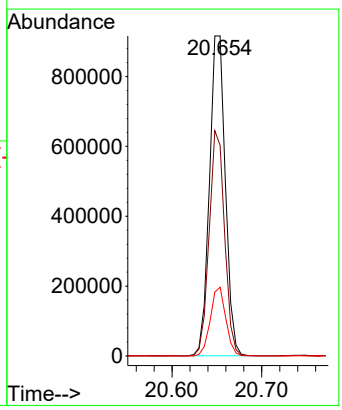


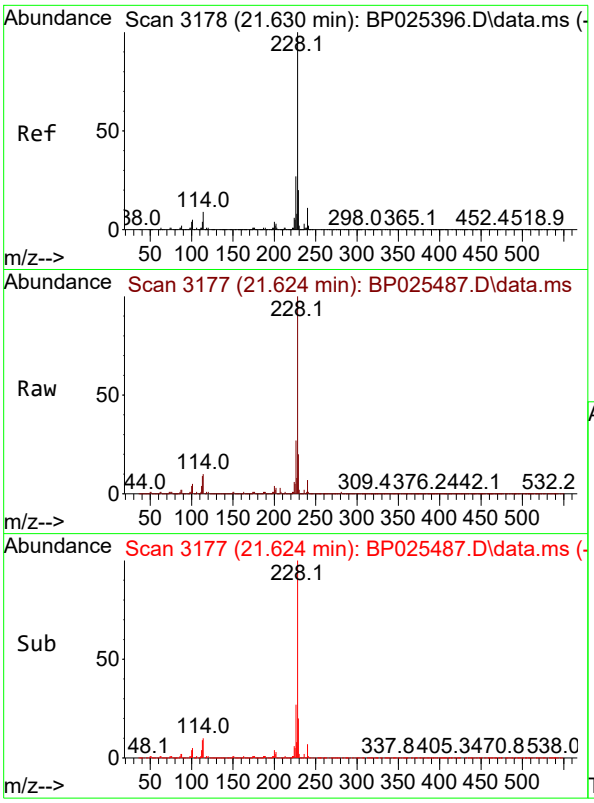


#80
Butylbenzylphthalate
Concen: 41.070 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1127547

Ion	Ratio	Lower	Upper
149	100		
91	65.8	54.2	81.2
206	21.5	16.6	24.8



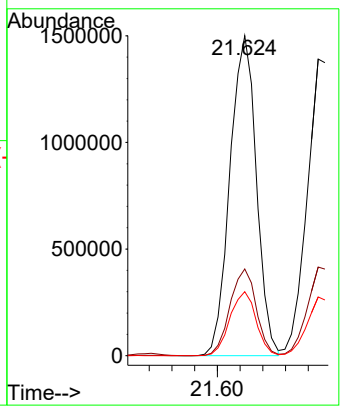


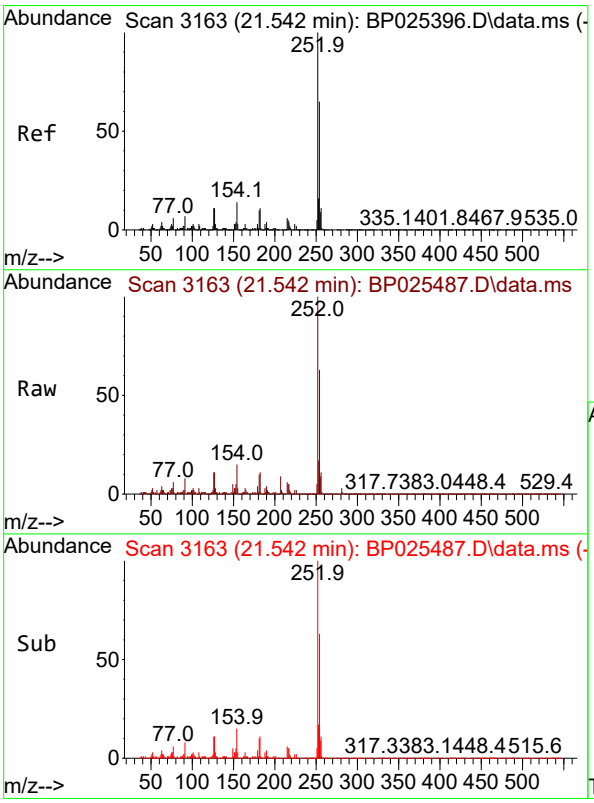
#81
Benzo(a)anthracene
Concen: 39.477 ng
RT: 21.624 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2426505

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.0	15.6	23.4

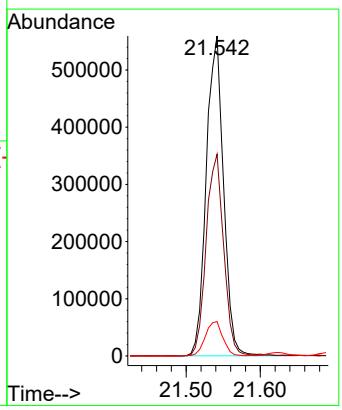


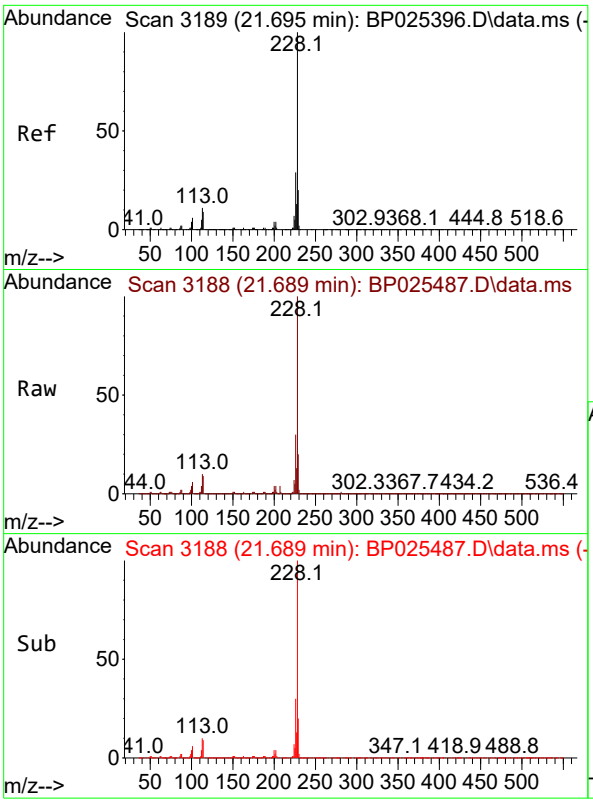


#82
3,3'-Dichlorobenzidine
Concen: 39.005 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 903654

Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.8	77.6
126	10.7	9.1	13.7



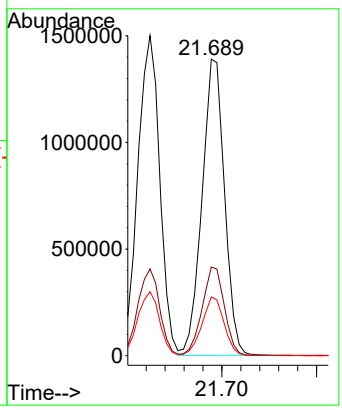


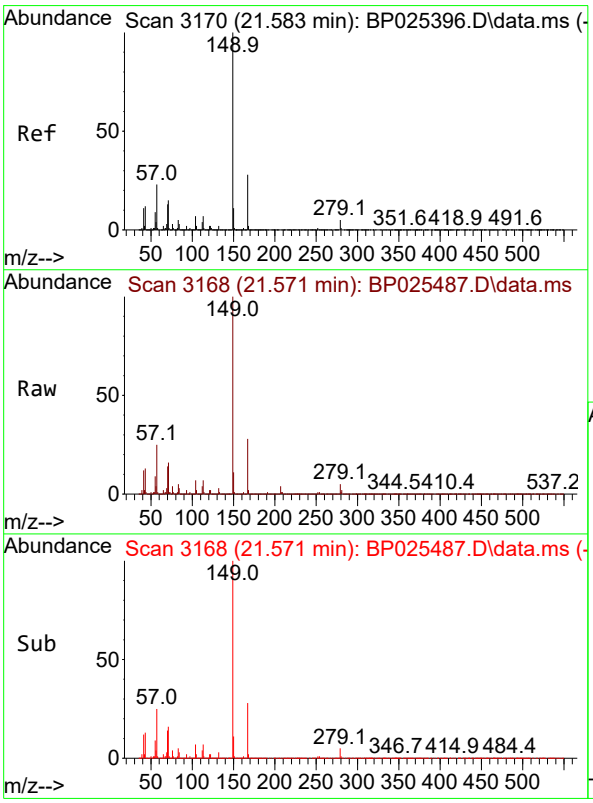
#83
Chrysene
Concen: 39.855 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2294146

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	19.8	15.6	23.4

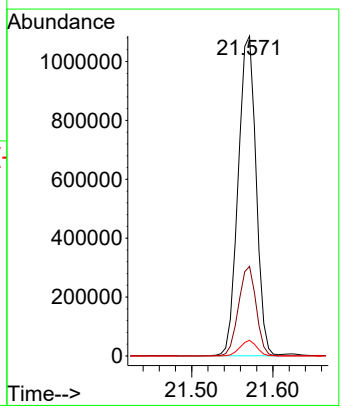


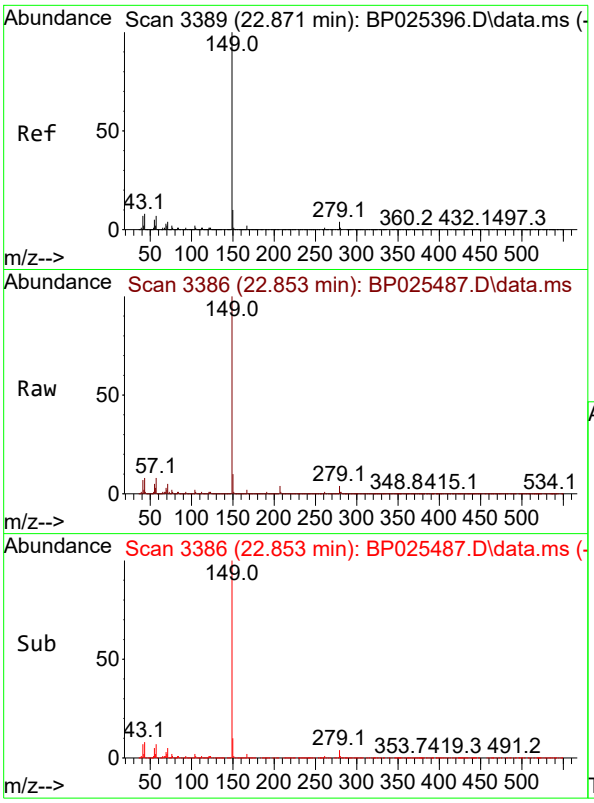


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.071 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:149 Resp: 1659835

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.1	33.1
279	4.9	3.8	5.6



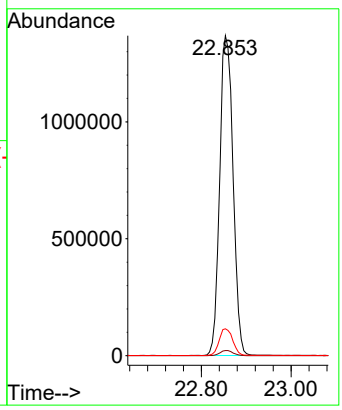


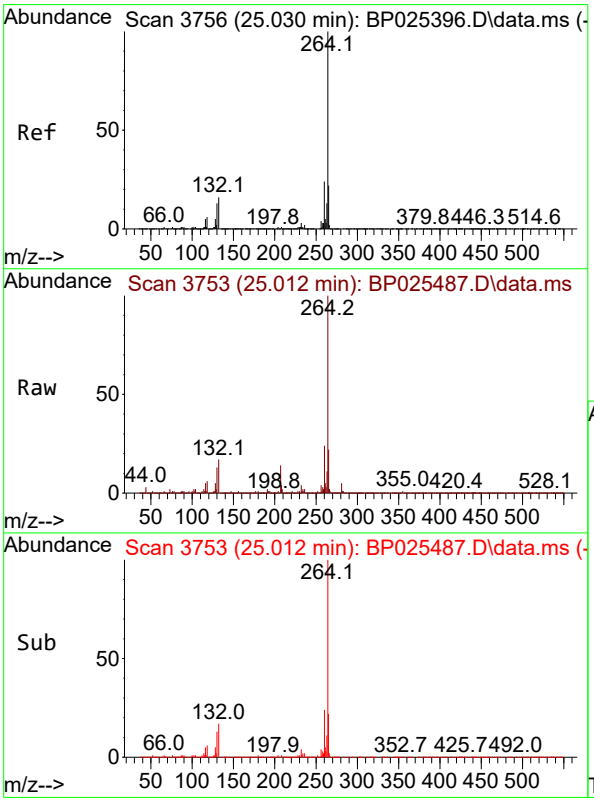
#85
Di-n-octyl phthalate
Concen: 40.906 ng
RT: 22.853 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2843533

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.3	9.5

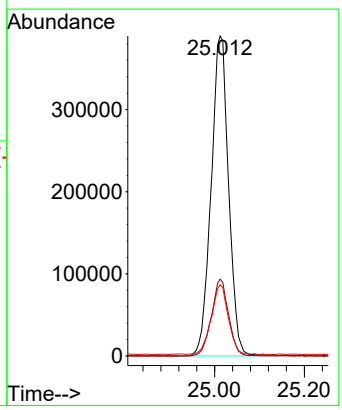


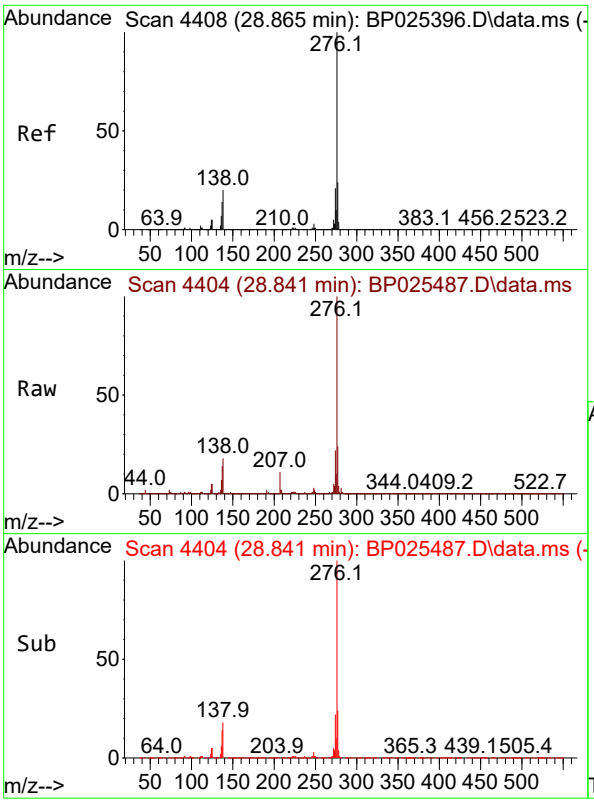


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.012 min Scan# 3753
Delta R.T. -0.018 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:264 Resp: 1054169

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.2	17.4	26.0



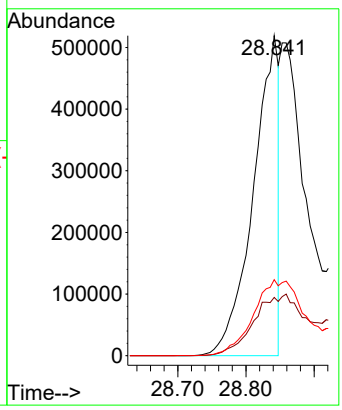


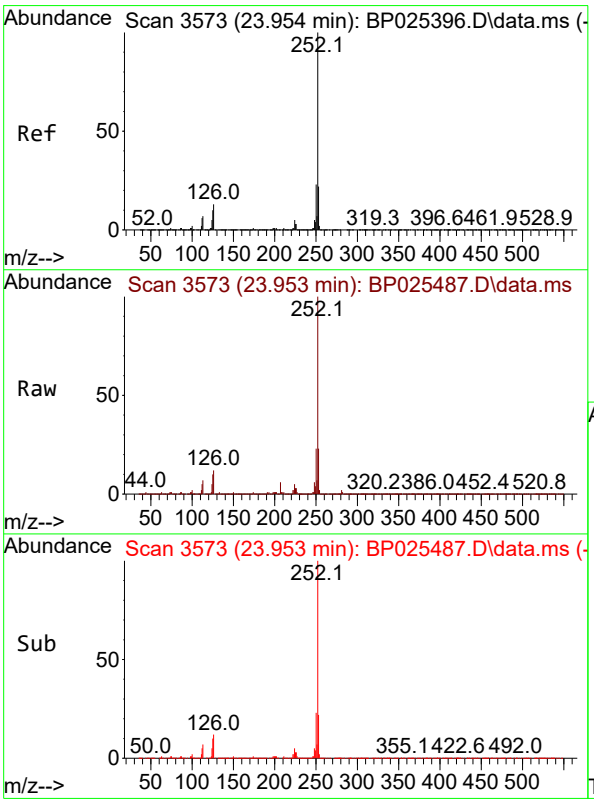
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.316 ng
RT: 28.841 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1338699

Ion	Ratio	Lower	Upper
276	100		
138	38.7	12.9	19.3#
277	24.3	17.0	25.6

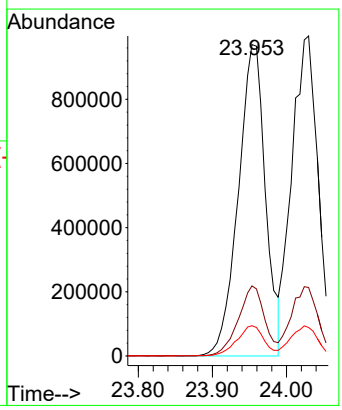


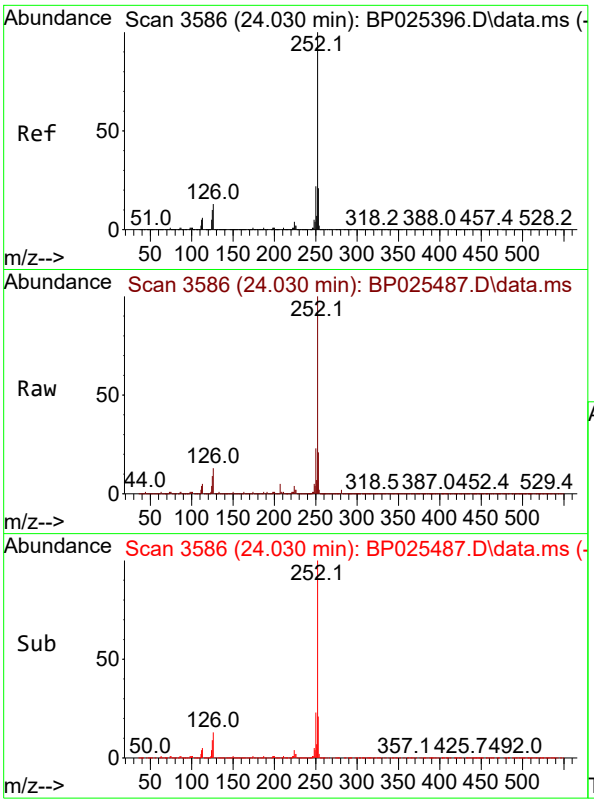


#88
Benzo(b)fluoranthene
Concen: 39.761 ng
RT: 23.953 min Scan# 3573
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 2471608

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	9.7	7.9	11.9



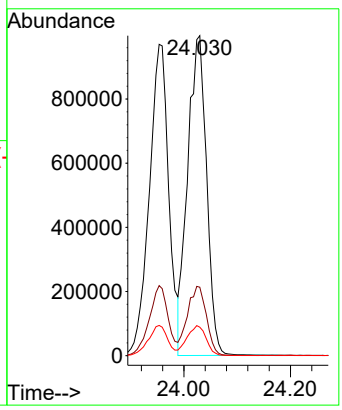


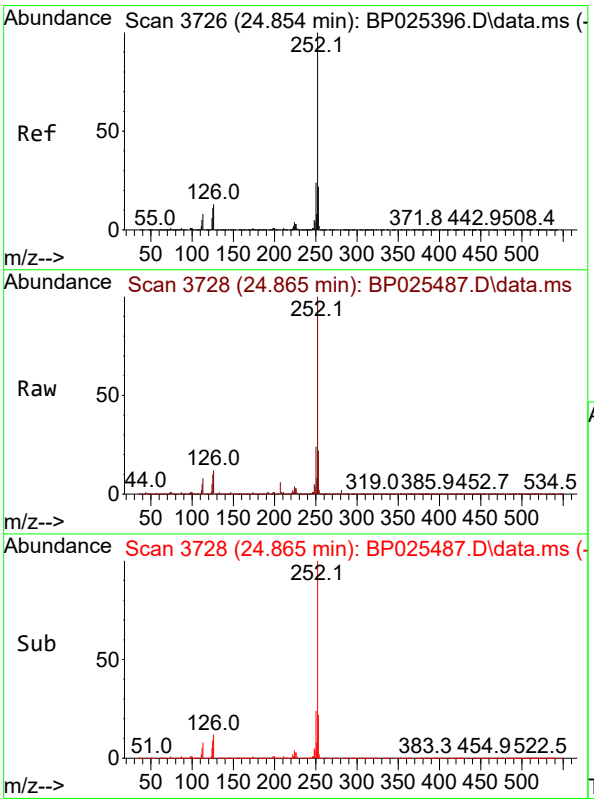
#89
Benzo(k)fluoranthene
Concen: 39.407 ng
RT: 24.030 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2451237

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	8.9	7.8	11.6

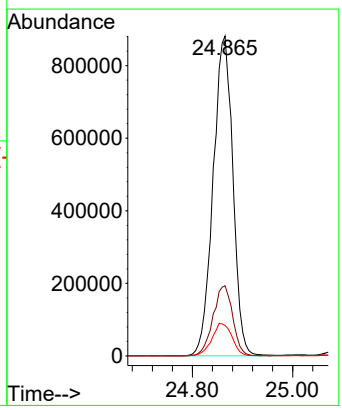


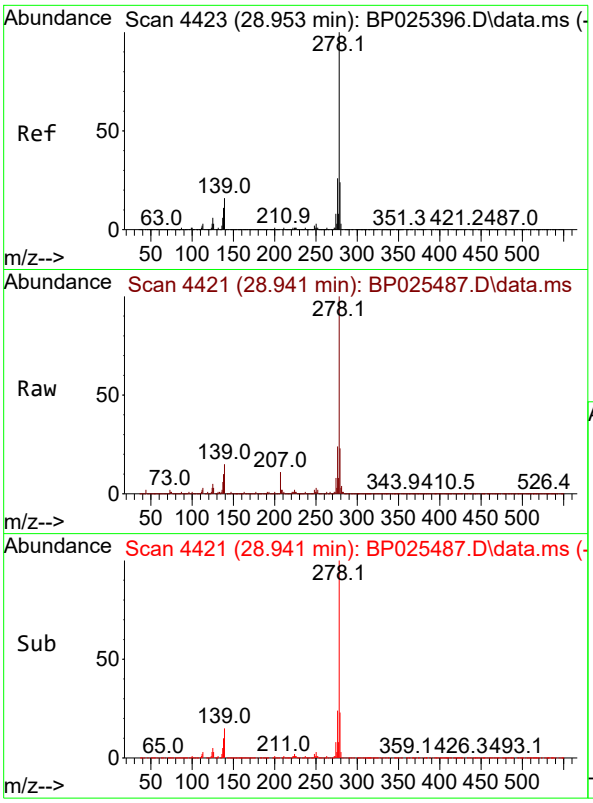


#90
Benzo(a)pyrene
Concen: 39.773 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:252 Resp: 2406620

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	8.7	13.1



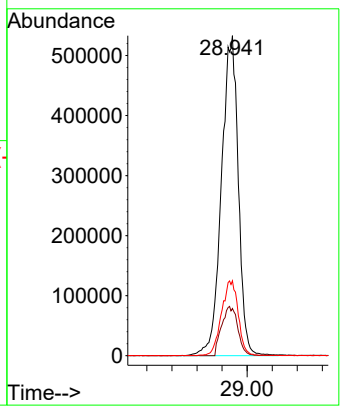


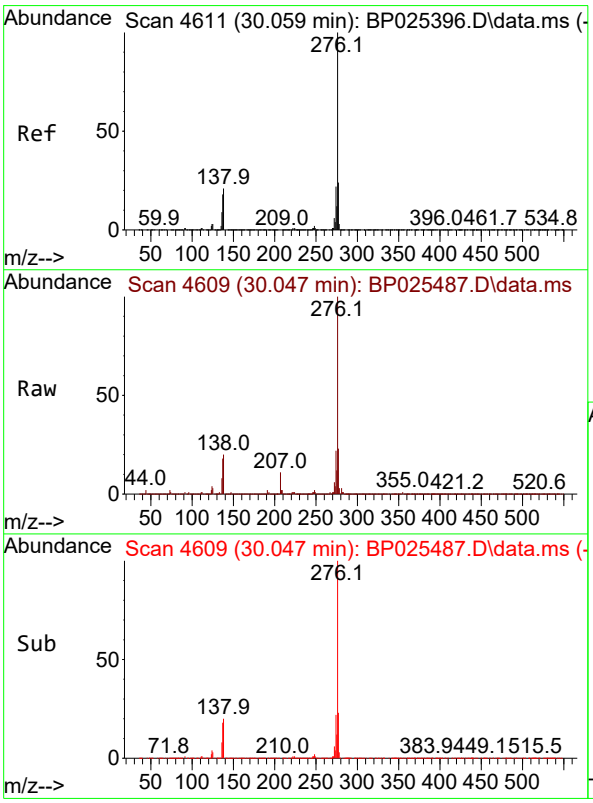
#91
Dibenzo(a,h)anthracene
Concen: 39.366 ng
RT: 28.941 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2487038

Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.0	19.4
279	23.4	19.4	29.2

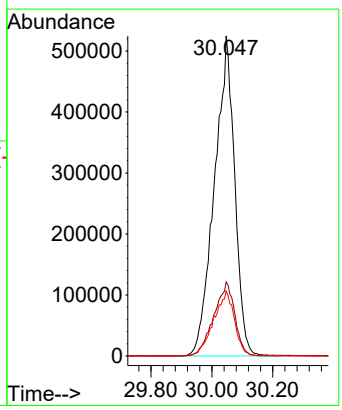




#92
Benzo(g,h,i)perylene
Concen: 39.026 ng
RT: 30.047 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025487.D
Acq: 19 Aug 2025 23:46

Tgt Ion:276 Resp: 2423566

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.0
138	20.3	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	147637	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	617928	20.000	ng	0.00
39) Acenaphthene-d10	14.407	164	400331	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	794586	20.000	ng	0.00
76) Chrysene-d12	21.648	240	859938	20.000	ng	0.00
86) Perylene-d12	25.018	264	959319	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	719851	80.973	ng	0.00
7) Phenol-d6	6.966	99	928207	81.437	ng	0.00
23) Nitrobenzene-d5	8.931	82	996684	81.592	ng	0.00
42) 2,4,6-Tribromophenol	15.919	330	434204	80.580	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	2329621	79.531	ng	0.00
79) Terphenyl-d14	19.930	244	3655452	77.772	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.331	88	143916	41.329	ng	98
3) Pyridine	3.731	79	384461	40.337	ng	95
4) n-Nitrosodimethylamine	3.631	42	170424	43.372	ng	94
6) Aniline	7.119	93	617192	40.190	ng	97
8) 2-Chlorophenol	7.360	128	401335	40.005	ng	98
9) Benzaldehyde	6.937	77	190261	23.826	ng	96
10) Phenol	6.990	94	487981	40.802	ng	96
11) bis(2-Chloroethyl)ether	7.219	93	374074	40.129	ng	99
12) 1,3-Dichlorobenzene	7.678	146	441153	39.880	ng	96
13) 1,4-Dichlorobenzene	7.819	146	454745	40.220	ng	99
14) 1,2-Dichlorobenzene	8.137	146	437042	39.931	ng	98
15) Benzyl Alcohol	8.019	79	368154	40.652	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.313	45	520729	41.700	ng	98
17) 2-Methylphenol	8.225	107	336589	40.522	ng	100
18) Hexachloroethane	8.860	117	170458	41.003	ng	97
19) n-Nitroso-di-n-propyla...	8.584	70	303621	40.216	ng	97
20) 3+4-Methylphenols	8.549	107	458019	39.780	ng	97
22) Acetophenone	8.601	105	619709	39.991	ng	98
24) Nitrobenzene	8.972	77	440063	40.309	ng	98
25) Isophorone	9.496	82	864797	40.003	ng	100
26) 2-Nitrophenol	9.678	139	223032	39.808	ng	97
27) 2,4-Dimethylphenol	9.737	122	385100	39.968	ng	97
28) bis(2-Chloroethoxy)met...	9.966	93	515756	39.468	ng	98
29) 2,4-Dichlorophenol	10.207	162	387958	40.533	ng	99
30) 1,2,4-Trichlorobenzene	10.419	180	408012	38.887	ng	97
31) Naphthalene	10.607	128	1252509	38.998	ng	100
32) Benzoic acid	9.878	122	284166	39.948	ng	96
33) 4-Chloroaniline	10.713	127	561871	39.605	ng	99
34) Hexachlorobutadiene	10.895	225	261058	39.951	ng	96
35) Caprolactam	11.490	113	136092	38.776	ng	98
36) 4-Chloro-3-methylphenol	11.831	107	441463	40.195	ng	96
37) 2-Methylnaphthalene	12.219	142	809155	38.714	ng	99
38) 1-Methylnaphthalene	12.437	142	851212	38.296	ng	100
40) 1,2,4,5-Tetrachloroben...	12.584	216	469176	40.579	ng	99
41) Hexachlorocyclopentadiene	12.566	237	291550	41.746	ng	99
43) 2,4,6-Trichlorophenol	12.831	196	319303	40.907	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.895	196	350964	41.026	ng	99
46) 1,1'-Biphenyl	13.225	154	1153599	39.678	ng	99
47) 2-Chloronaphthalene	13.272	162	900445	39.783	ng	98
48) 2-Nitroaniline	13.472	65	281785	42.727	ng	97
49) Acenaphthylene	14.125	152	1492877	39.860	ng	100
50) Dimethylphthalate	13.854	163	1165139	39.744	ng	99
51) 2,6-Dinitrotoluene	13.972	165	253787	41.073	ng	93
52) Acenaphthene	14.478	154	943497	42.917	ng	99
53) 3-Nitroaniline	14.301	138	285327	41.043	ng	97
54) 2,4-Dinitrophenol	14.507	184	142309	43.128	ng	97
55) Dibenzofuran	14.813	168	1363388	39.226	ng	98
56) 4-Nitrophenol	14.619	139	231578	40.538	ng	92
57) 2,4-Dinitrotoluene	14.766	165	365491	41.459	ng	96
58) Fluorene	15.466	166	1053490	38.412	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.036	232	306484	40.574	ng	98
60) Diethylphthalate	15.242	149	1206790	40.513	ng	99
61) 4-Chlorophenyl-phenyle...	15.466	204	531056	38.934	ng	97
62) 4-Nitroaniline	15.483	138	288849	40.530	ng	93
63) Azobenzene	15.766	77	1076346	42.199	ng	98
65) 4,6-Dinitro-2-methylph...	15.542	198	207617	41.917	ng	93
66) n-Nitrosodiphenylamine	15.678	169	973360	40.171	ng	99
67) 4-Bromophenyl-phenylether	16.378	248	351898	40.268	ng	97
68) Hexachlorobenzene	16.495	284	404392	39.919	ng	98
69) Atrazine	16.654	200	364653	40.186	ng	100
70) Pentachlorophenol	16.842	266	271451	42.449	ng	96
71) Phenanthrene	17.242	178	1705125	39.064	ng	99
72) Anthracene	17.336	178	1754702	39.365	ng	99
73) Carbazole	17.613	167	1650038	39.300	ng	99
74) Di-n-butylphthalate	18.213	149	2085492	40.373	ng	100
75) Fluoranthene	19.330	202	2058062	39.528	ng	99
77) Benzidine	19.519	184	965340	32.893	ng	99
78) Pyrene	19.701	202	2123016	37.983	ng	100
80) Butylbenzylphthalate	20.654	149	1028893	40.617	ng	98
81) Benzo(a)anthracene	21.630	228	2219096	39.128	ng	99
82) 3,3'-Dichlorobenzidine	21.542	252	839996	39.295	ng	99
83) Chrysene	21.695	228	2094426	39.434	ng	99
84) Bis(2-ethylhexyl)phtha...	21.571	149	1528918	41.001	ng	99
85) Di-n-octyl phthalate	22.865	149	2647644	41.280	ng	98
87) Indeno(1,2,3-cd)pyrene	28.842	276	2736984	38.904	ng	98
88) Benzo(b)fluoranthene	23.959	252	2250091	39.777	ng	99
89) Benzo(k)fluoranthene	24.036	252	2294595	40.536	ng	99
90) Benzo(a)pyrene	24.871	252	2174497	39.490	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2262080	39.346	ng	98
92) Benzo(g,h,i)perylene	30.042	276	2184778	38.659	ng	100

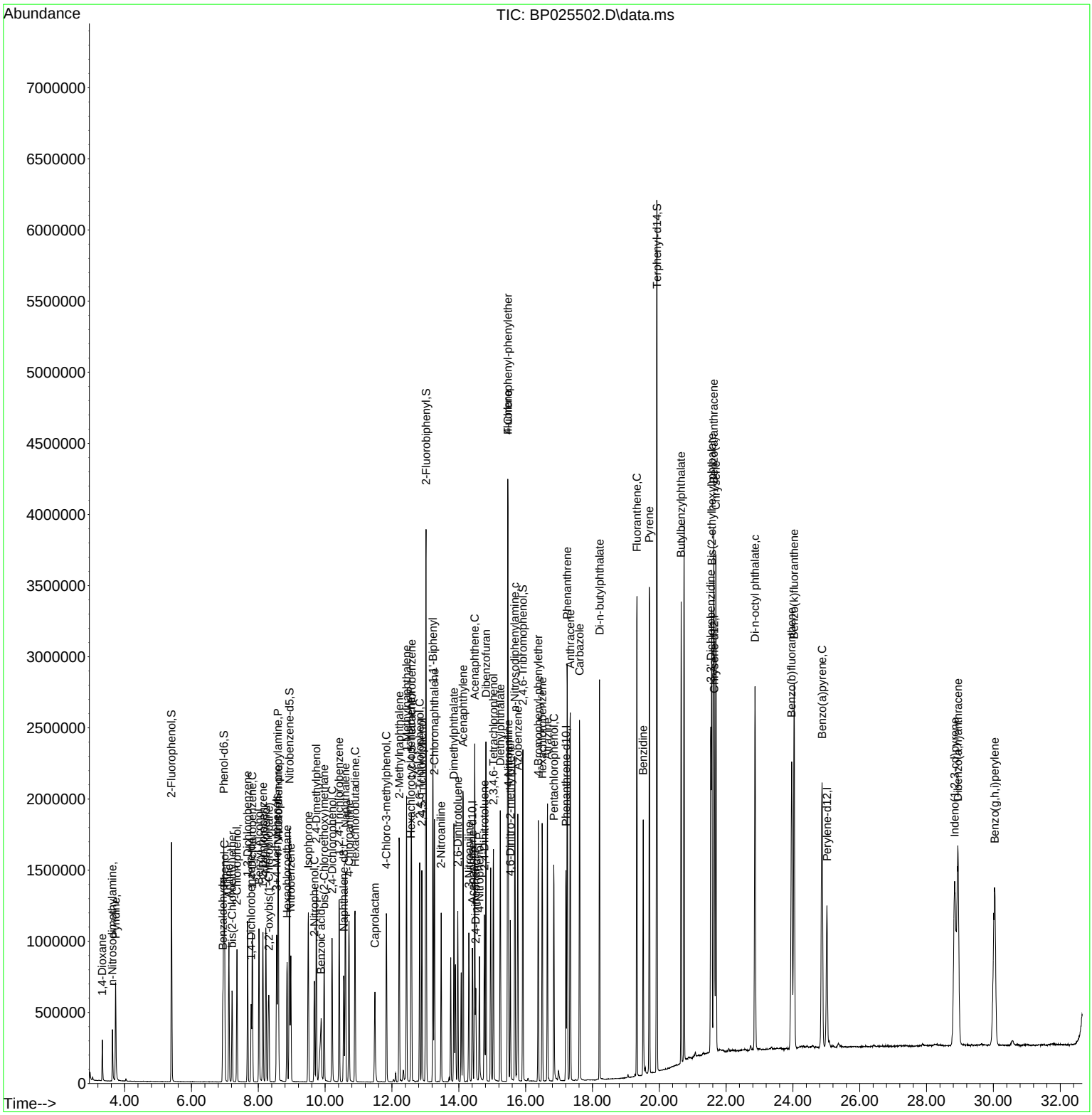
(#) = qualifier out of range (m) = manual integration (+) = signals summed

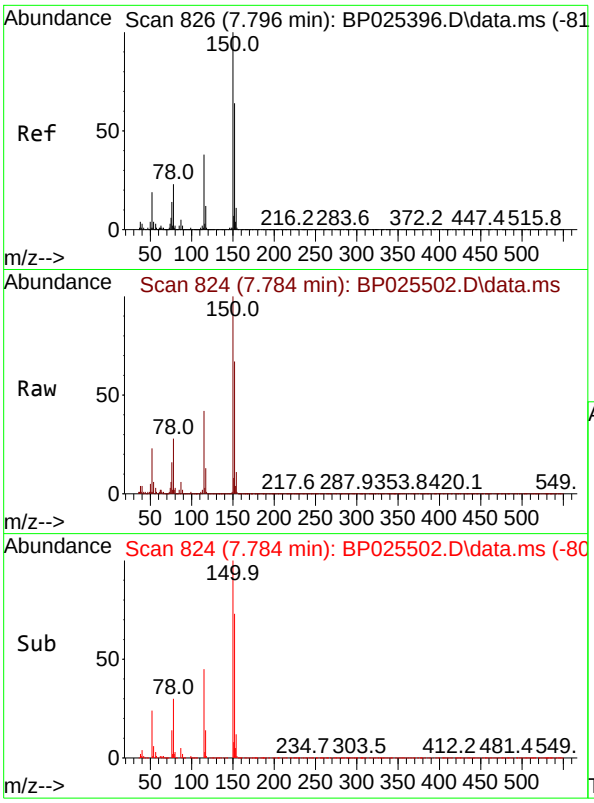
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
Data File : BP025502.D
Acq On : 20 Aug 2025 10:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 20 11:50:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



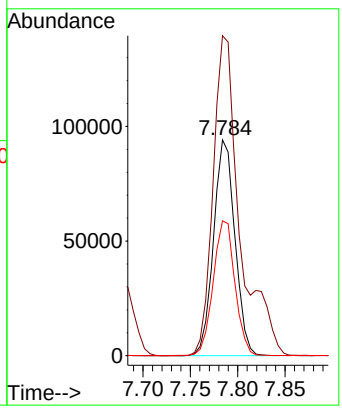


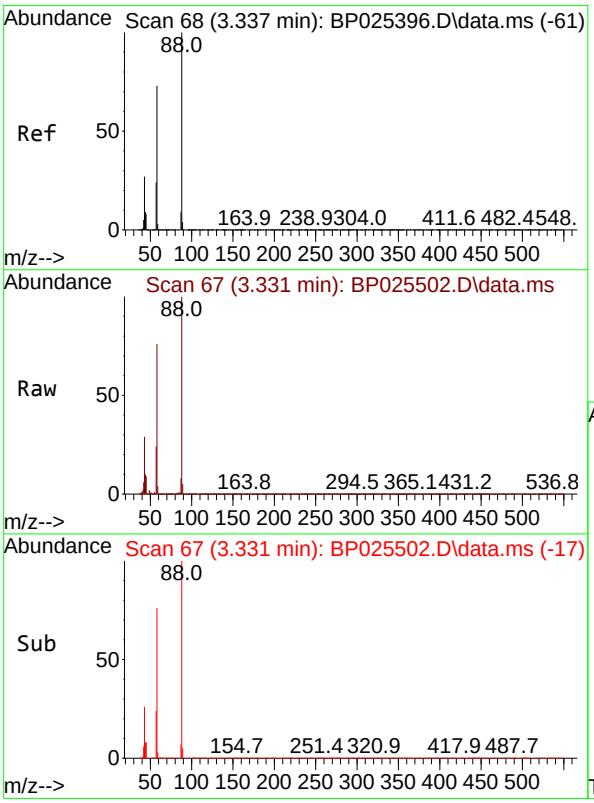
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 147637

Ion	Ratio	Lower	Upper
152	100		
150	148.3	125.9	188.9
115	62.5	48.5	72.7

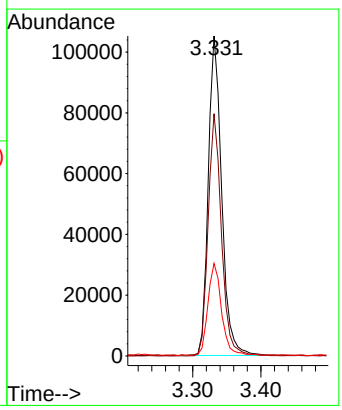


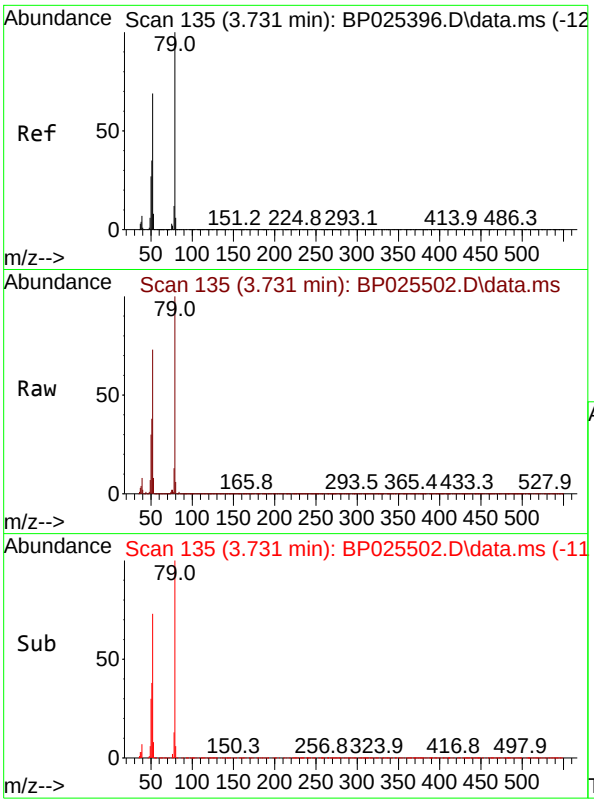


#2
1,4-Dioxane
Concen: 41.329 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 88 Resp: 143916

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	28.9	21.7	32.5



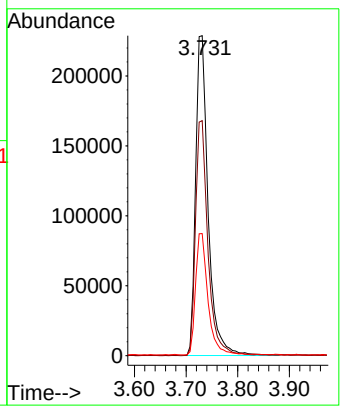


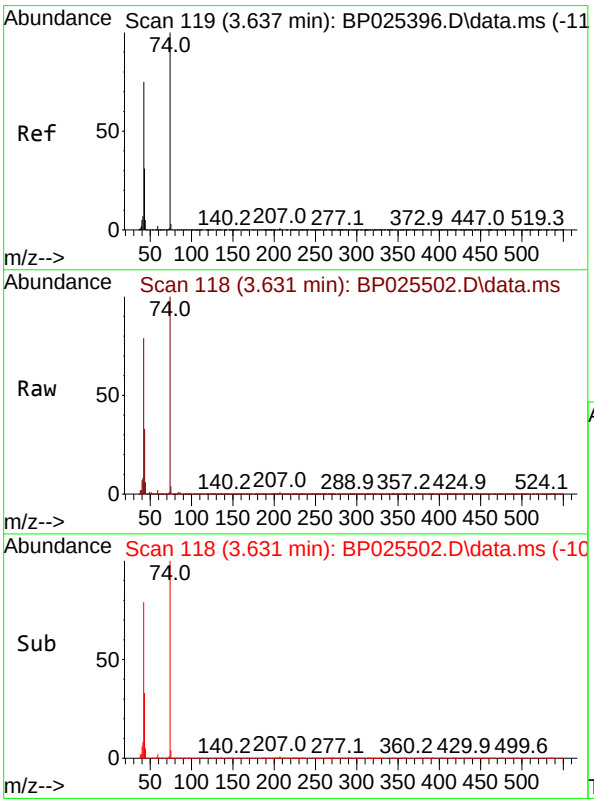
#3
Pyridine
Concen: 40.337 ng
RT: 3.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 384461

Ion	Ratio	Lower	Upper
79	100		
52	73.4	55.5	83.3
51	38.2	28.3	42.5

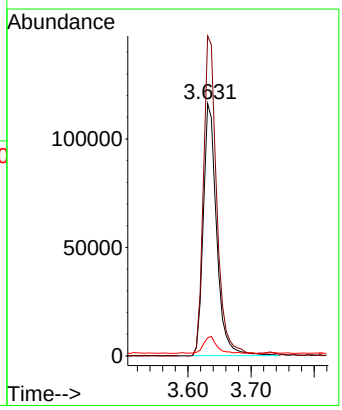


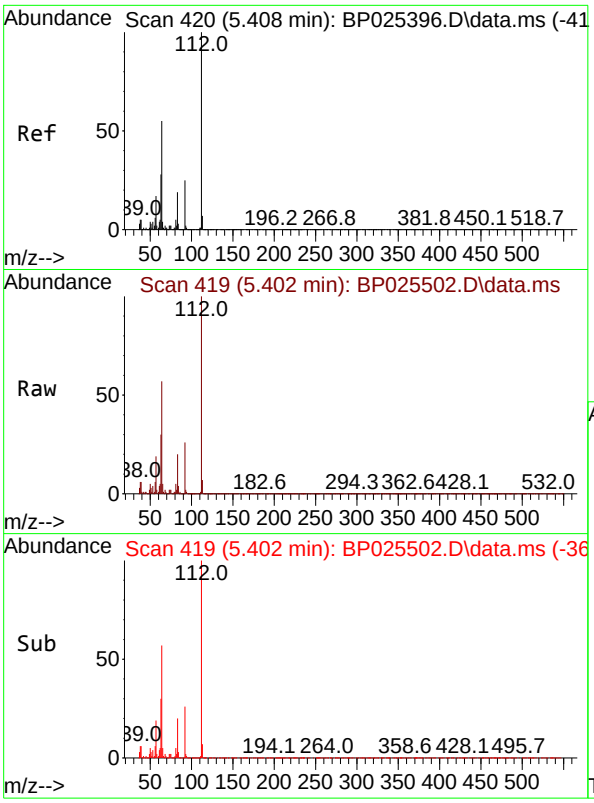


#4
n-Nitrosodimethylamine
Concen: 43.372 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 42 Resp: 170424

Ion	Ratio	Lower	Upper
42	100		
74	126.8	107.0	160.4
44	7.2	6.2	9.4



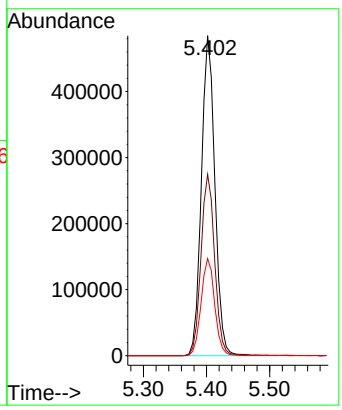


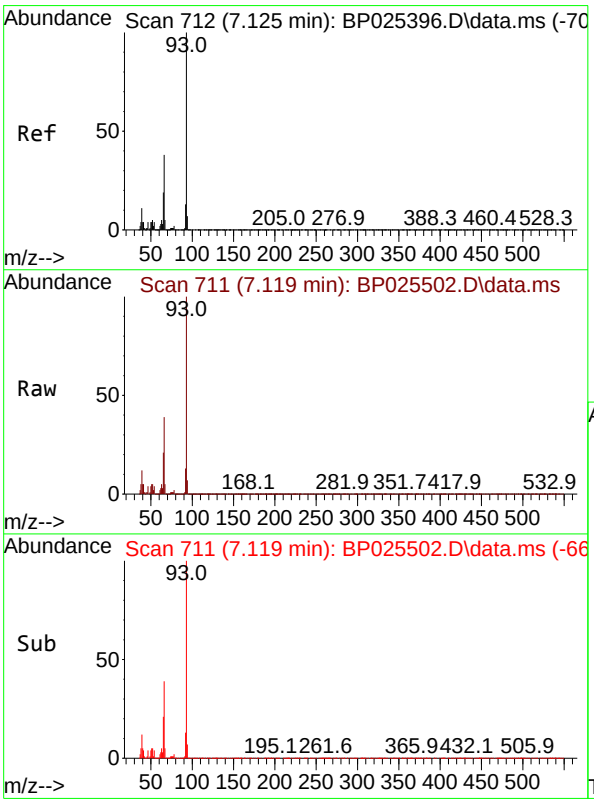
#5
2-Fluorophenol
Concen: 80.973 ng
RT: 5.402 min Scan# 41
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 719851

Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.8	65.8
63	30.4	22.7	34.1

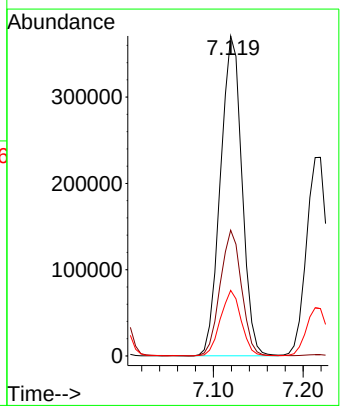


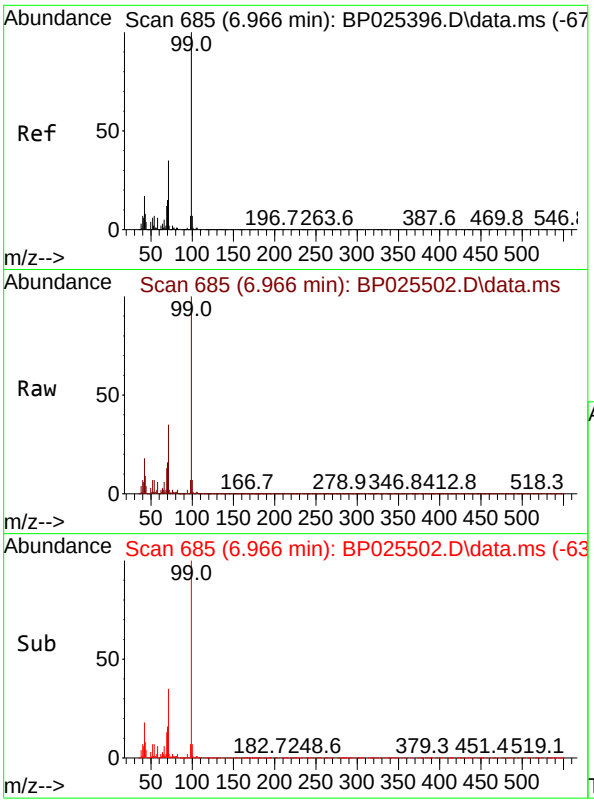


#6
Aniline
Concen: 40.190 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 617192

Ion	Ratio	Lower	Upper
93	100		
66	39.3	30.4	45.6
65	20.5	15.3	22.9



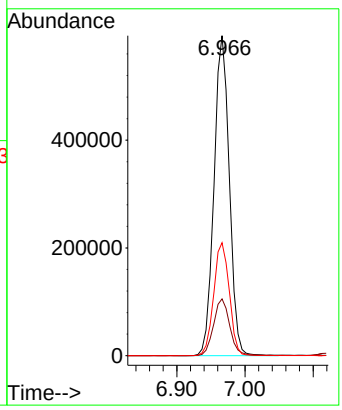


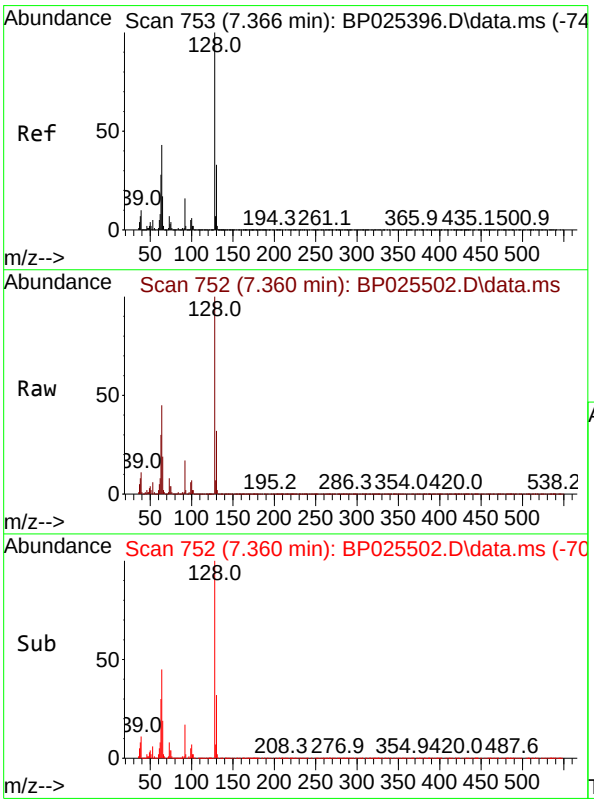
#7
Phenol-d6
Concen: 81.437 ng
RT: 6.966 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 928207

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.7	20.5
71	35.3	28.2	42.4

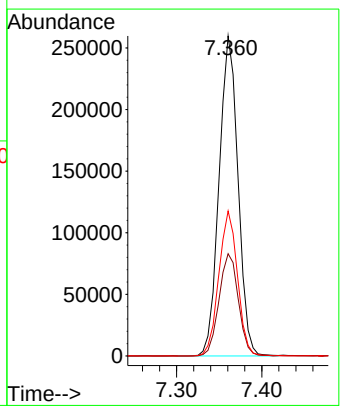


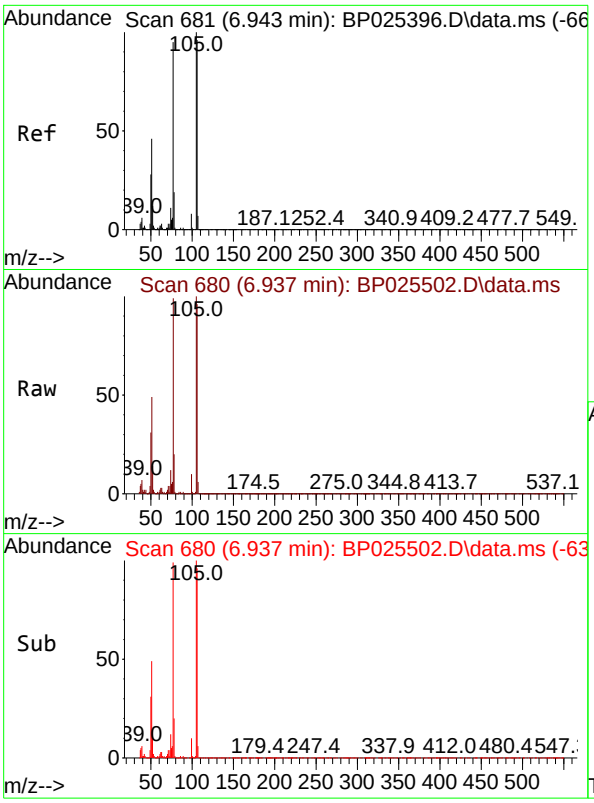


#8
2-Chlorophenol
Concen: 40.005 ng
RT: 7.360 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:128 Resp: 401335

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	45.3	23.4	63.4



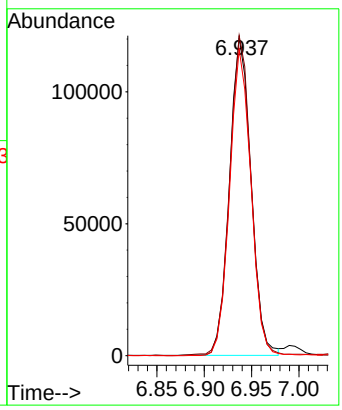


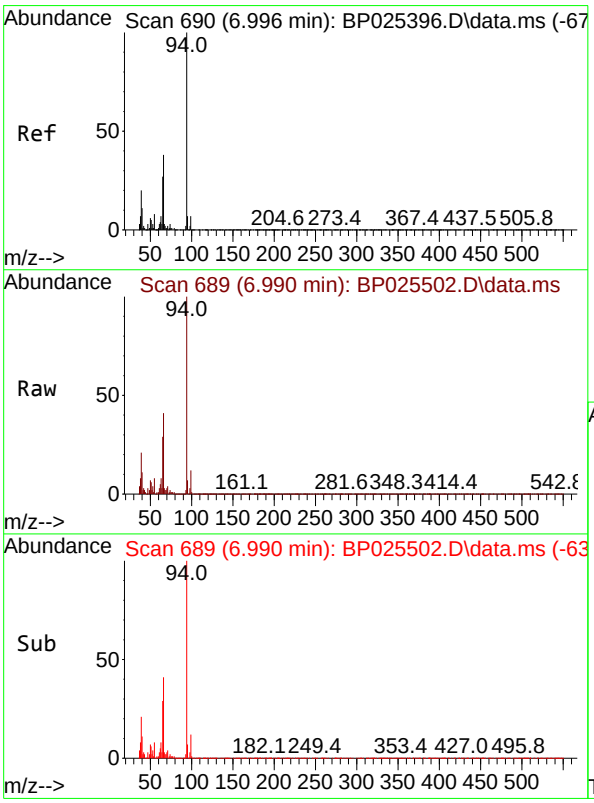
#9
Benzaldehyde
Concen: 23.826 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 190261

Ion	Ratio	Lower	Upper
77	100		
105	100.6	84.8	124.8
106	96.4	80.5	120.5

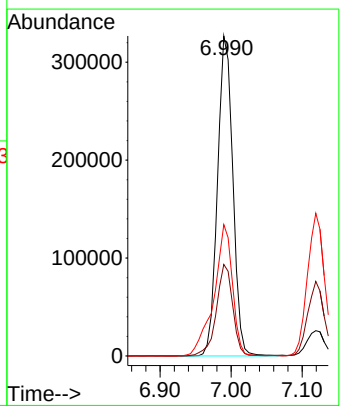


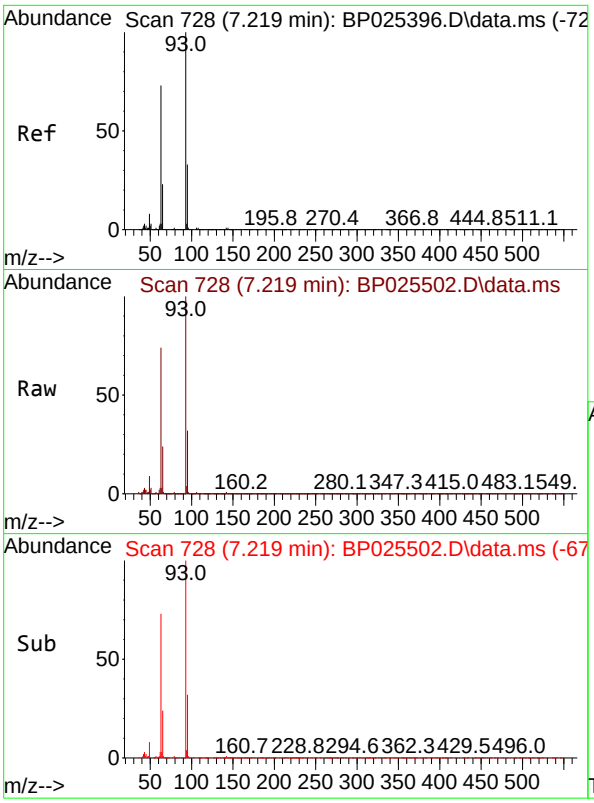


#10
Phenol
Concen: 40.802 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 94 Resp: 487981

Ion	Ratio	Lower	Upper
94	100		
65	28.6	6.8	46.8
66	41.1	18.2	58.2



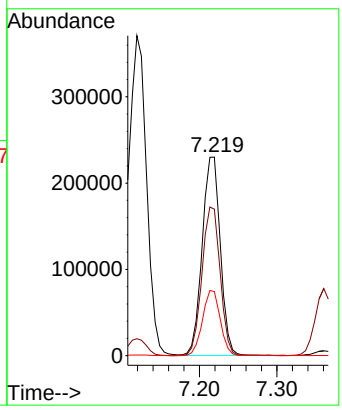


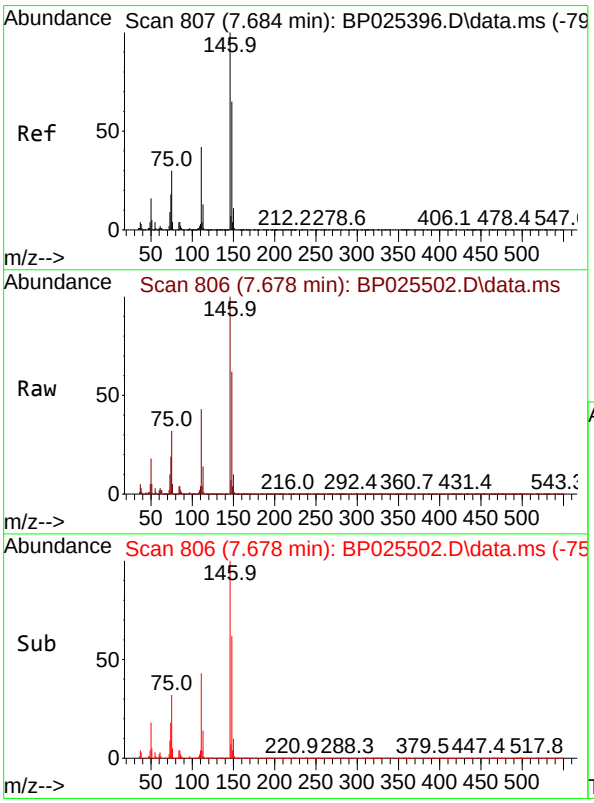
#11
bis(2-Chloroethyl)ether
Concen: 40.129 ng
RT: 7.219 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 374074

Ion	Ratio	Lower	Upper
93	100		
63	73.8	52.6	92.6
95	32.3	12.7	52.7

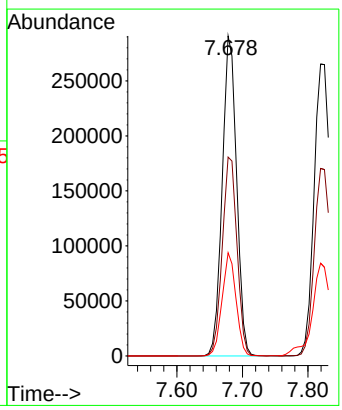


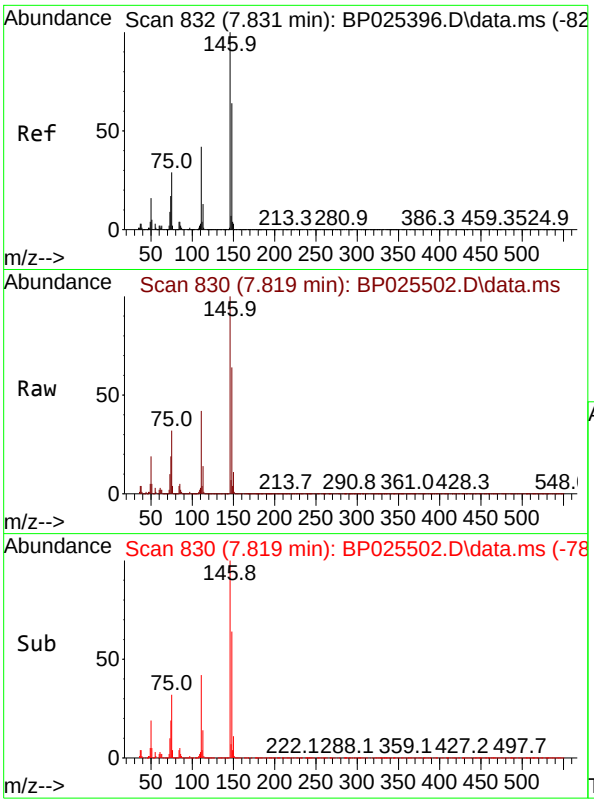


#12
1,3-Dichlorobenzene
Concen: 39.880 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 441153

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.9	77.9
75	32.3	23.7	35.5



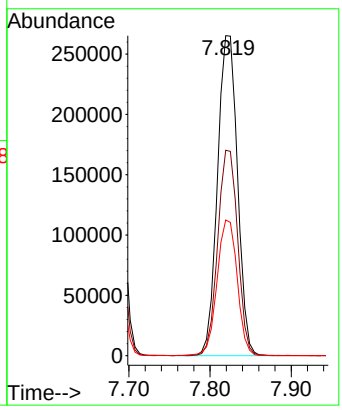


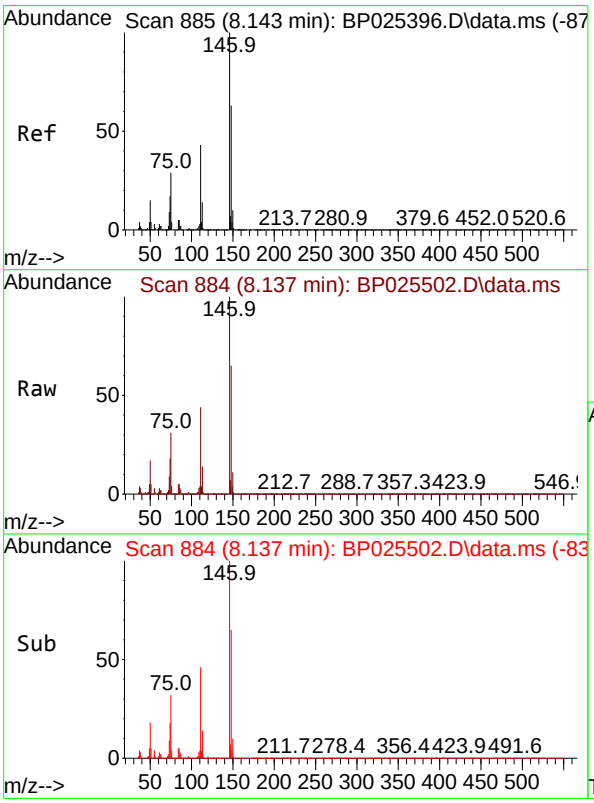
#13
1,4-Dichlorobenzene
Concen: 40.220 ng
RT: 7.819 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 454745

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
111	42.4	33.4	50.0

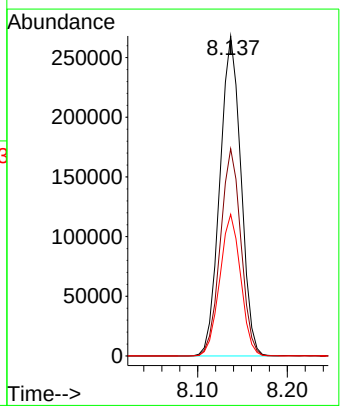


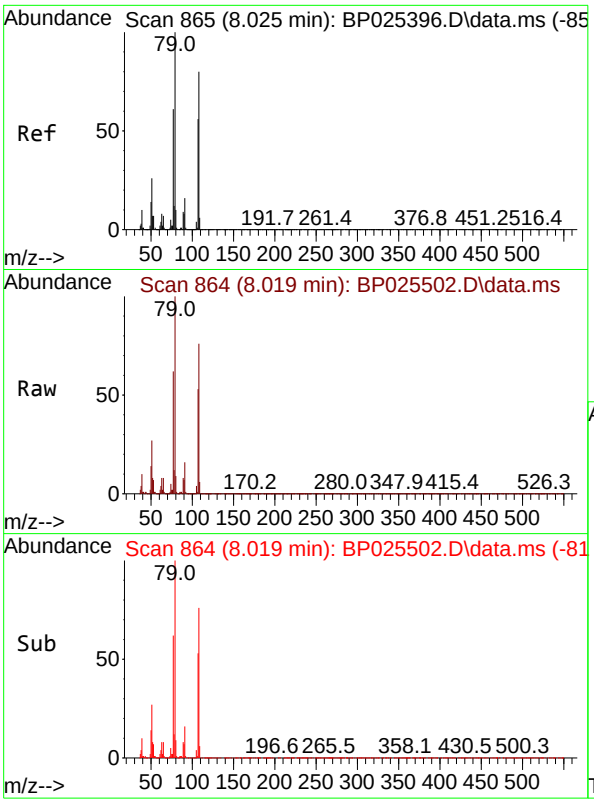


#14
1,2-Dichlorobenzene
Concen: 39.931 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:146 Resp: 437042

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.4	75.6
111	44.3	34.5	51.7



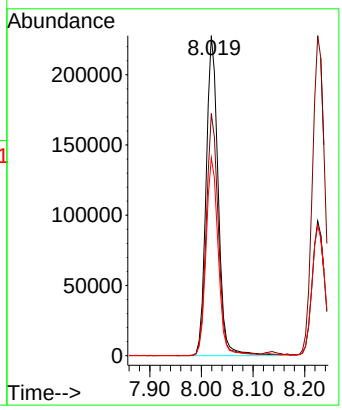


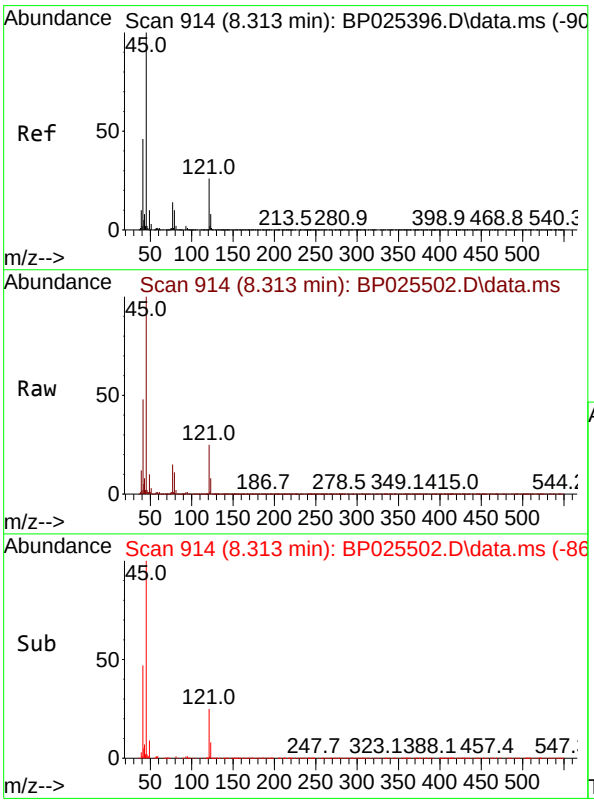
#15
Benzyl Alcohol
Concen: 40.652 ng
RT: 8.019 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 368154

Ion	Ratio	Lower	Upper
79	100		
108	75.7	63.8	95.6
77	61.9	49.0	73.4

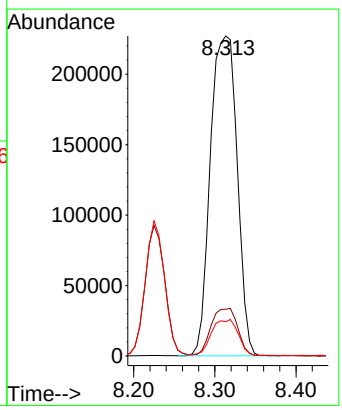


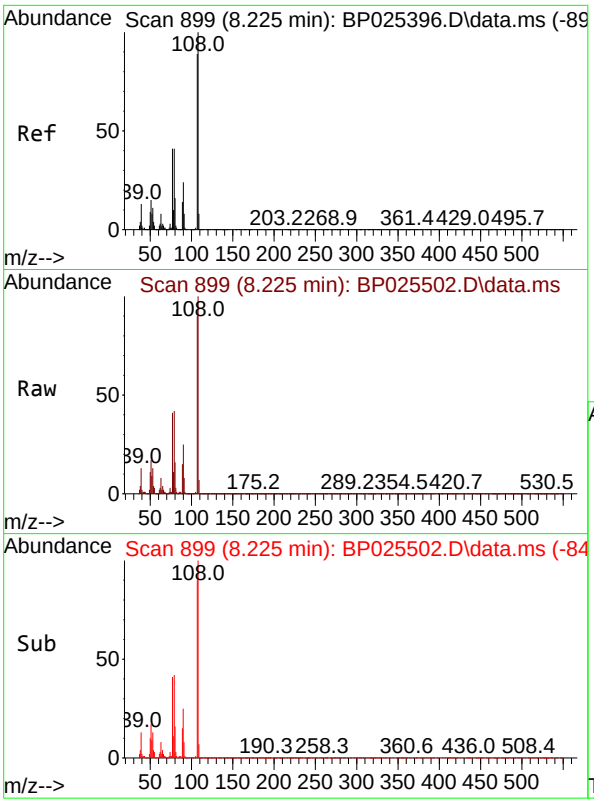


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.700 ng
RT: 8.313 min Scan# 914
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 45 Resp: 520729

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.3
79	10.7	0.0	31.8



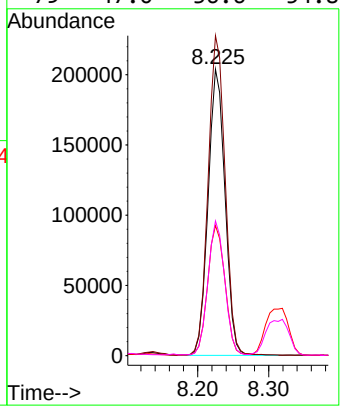


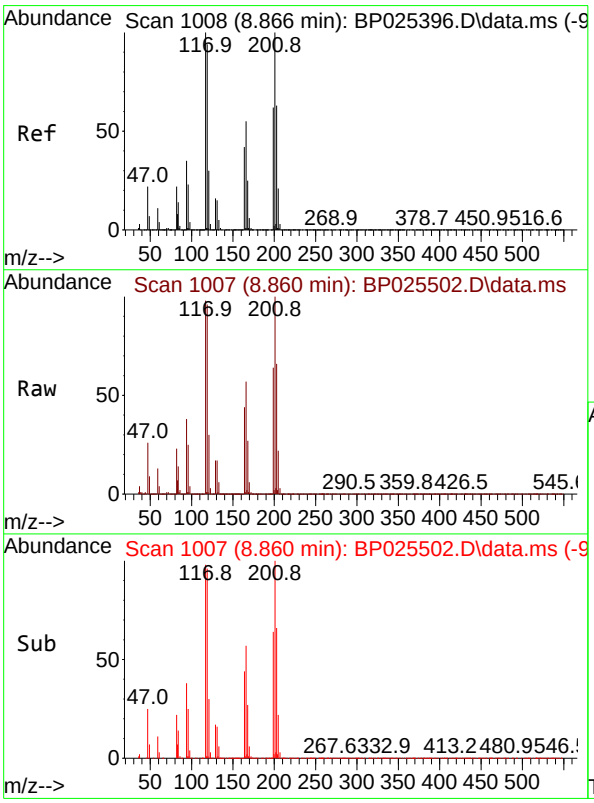
#17
2-Methylphenol
Concen: 40.522 ng
RT: 8.225 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 336589

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.4	134.0
77	45.4	36.3	54.5
79	47.0	36.6	54.8

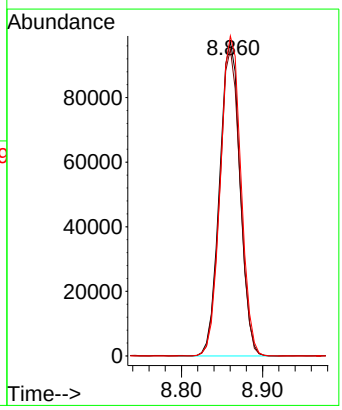


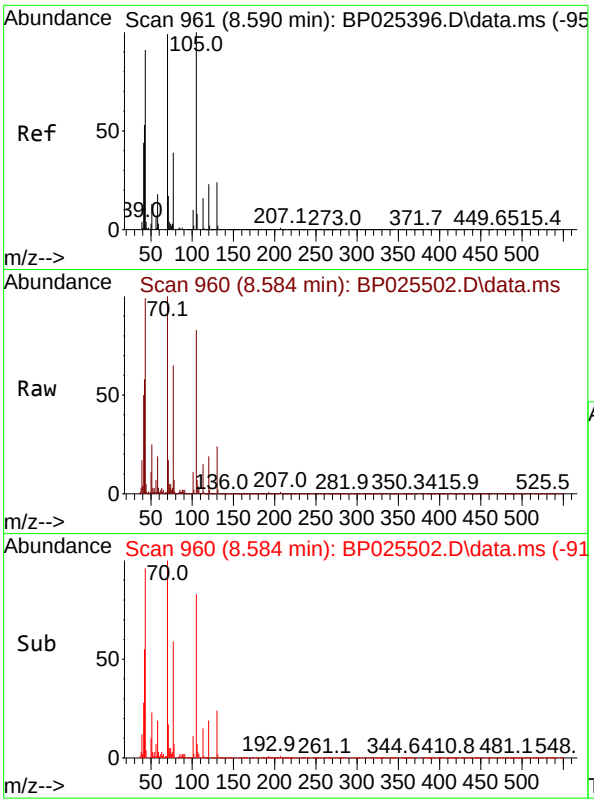


#18
Hexachloroethane
Concen: 41.003 ng
RT: 8.860 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:117 Resp: 170458

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.1	112.7
201	101.9	80.1	120.1



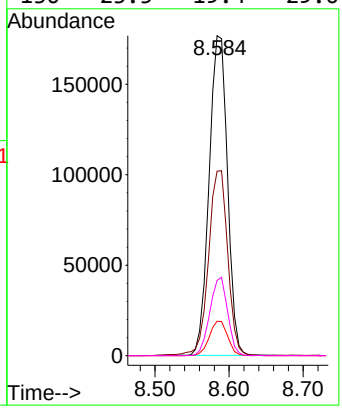


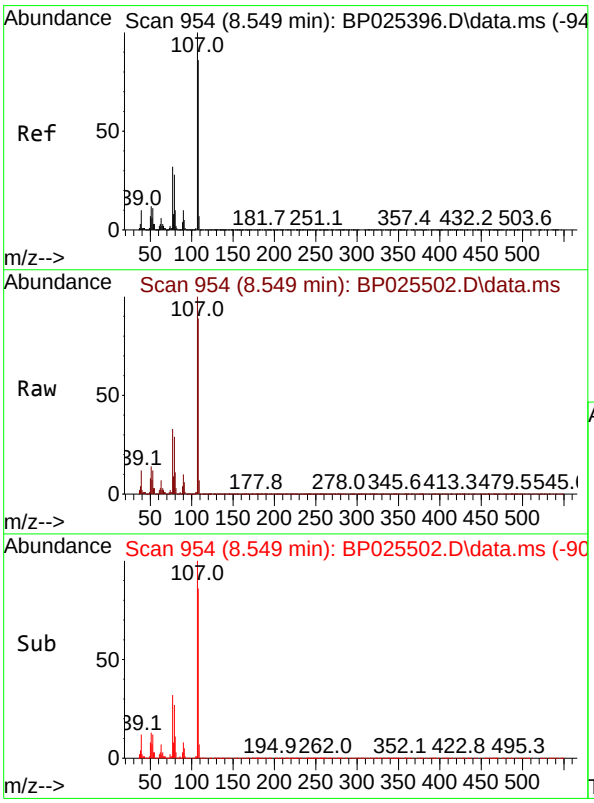
#19
n-Nitroso-di-n-propylamine
Concen: 40.216 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 303621

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.7	8.5	12.7
130	23.5	19.4	29.0

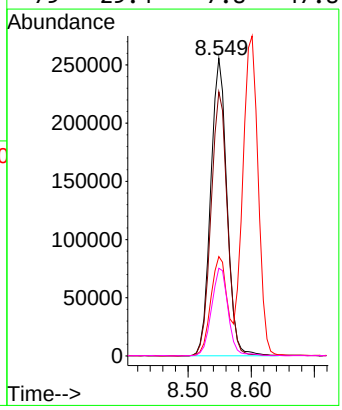


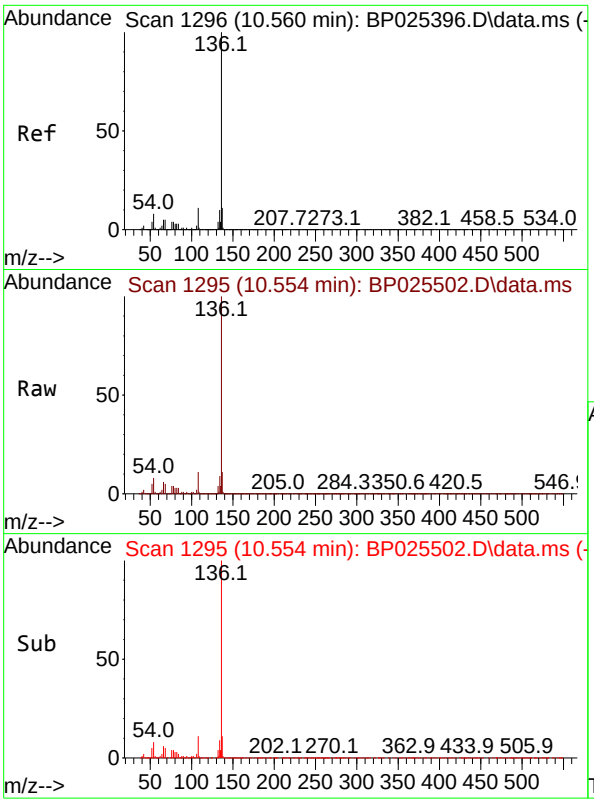


#20
3+4-Methylphenols
Concen: 39.780 ng
RT: 8.549 min Scan# 954
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 458019

Ion	Ratio	Lower	Upper
107	100		
108	88.7	66.3	106.3
77	33.3	12.3	52.3
79	29.4	7.8	47.8



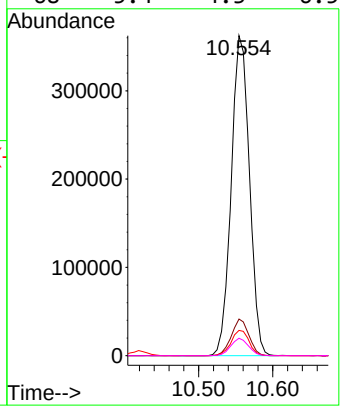


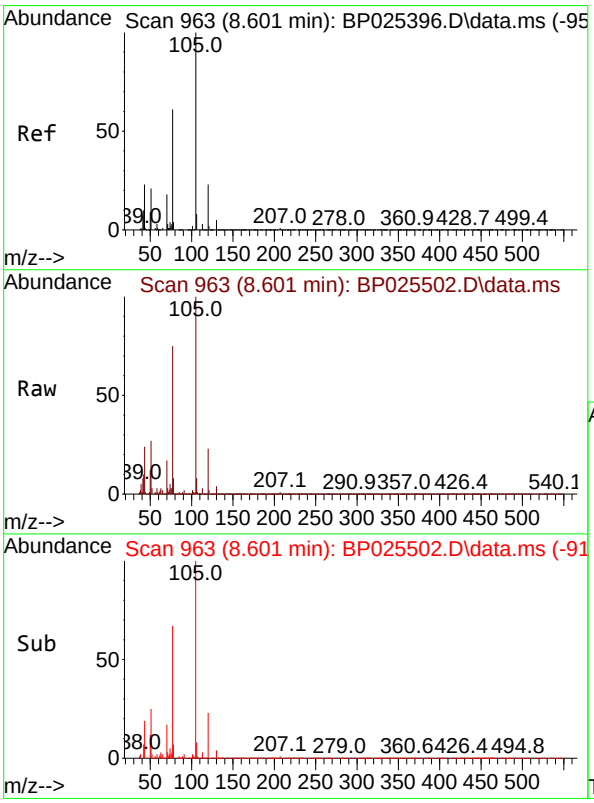
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 617928

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.9	6.0	9.0
68	5.4	4.3	6.5

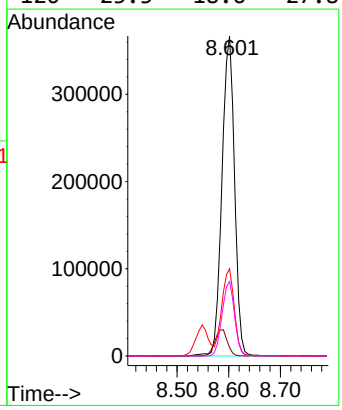


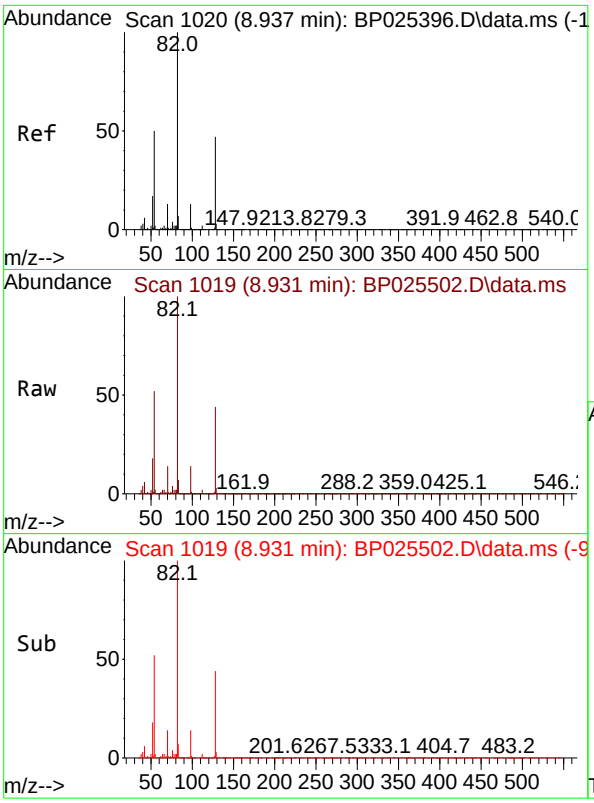


#22
Acetophenone
Concen: 39.991 ng
RT: 8.601 min Scan# 963
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:105 Resp: 619709

Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.6	4.0
51	27.2	20.6	30.8
120	23.3	18.6	27.8



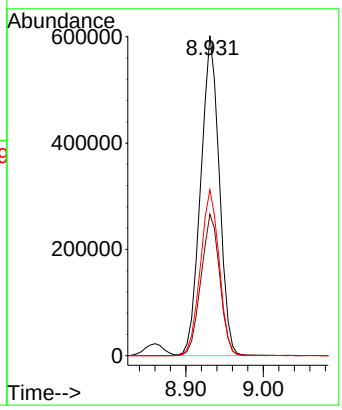


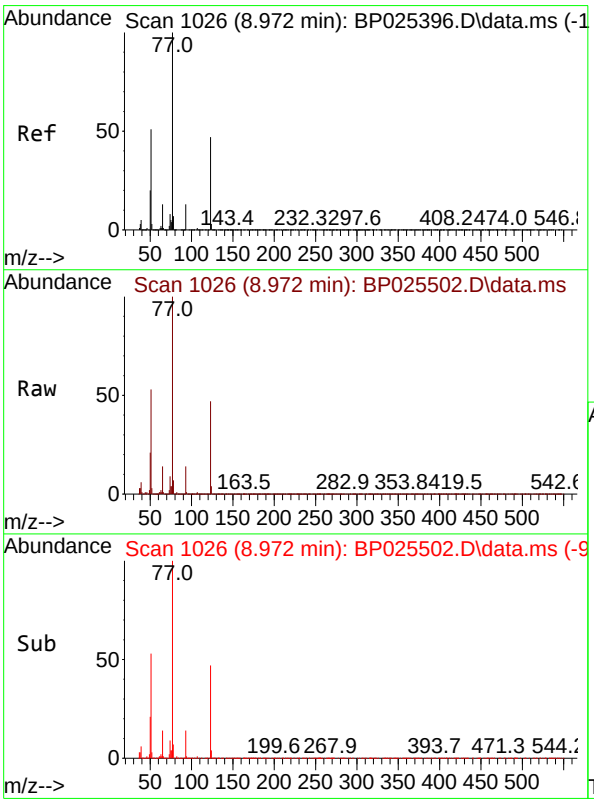
#23
Nitrobenzene-d5
Concen: 81.592 ng
RT: 8.931 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 996684

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.7	56.5
54	51.9	39.8	59.6

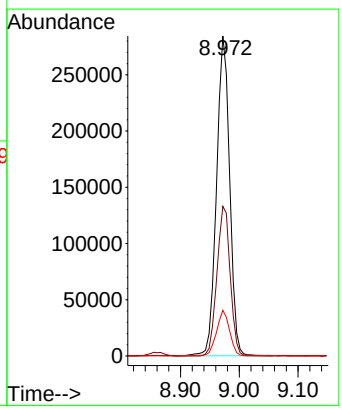


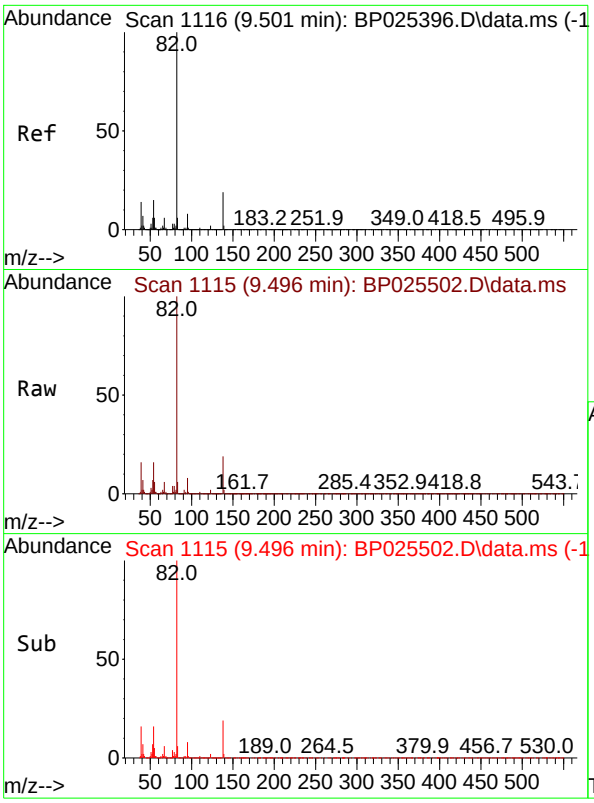


#24
Nitrobenzene
Concen: 40.309 ng
RT: 8.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 77 Resp: 440063

Ion	Ratio	Lower	Upper
77	100		
123	46.8	38.6	58.0
65	14.2	10.6	15.8



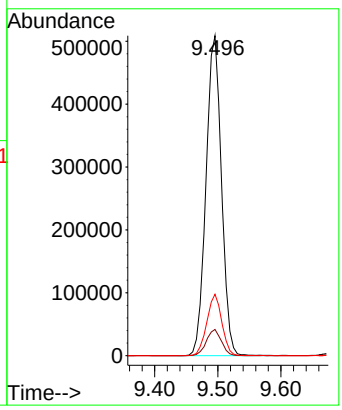


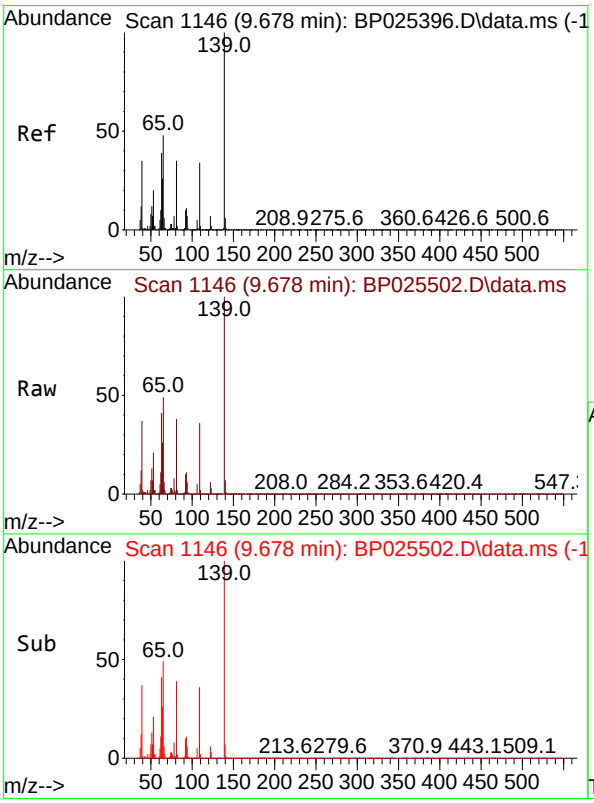
#25
Isophorone
Concen: 40.003 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 864797

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	19.2	15.4	23.0

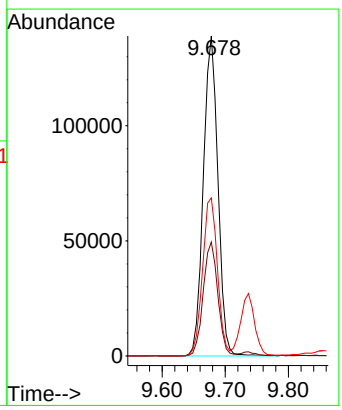


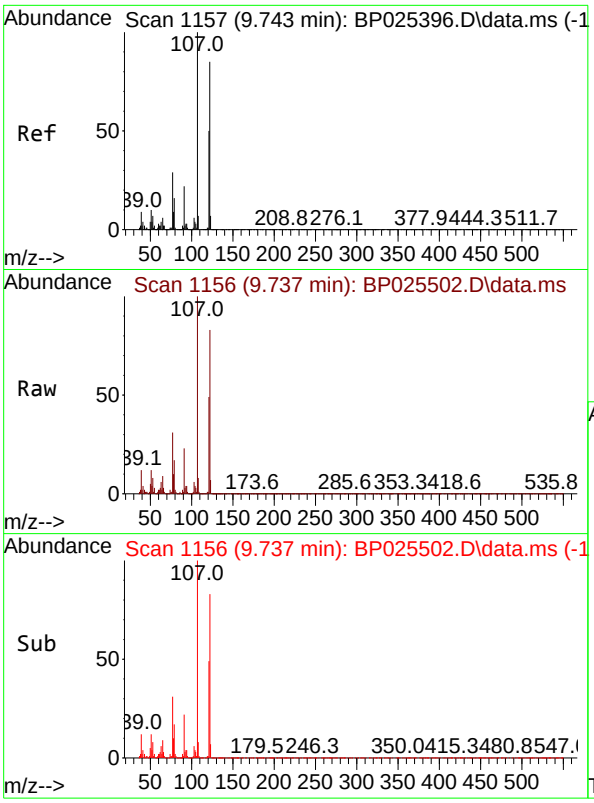


#26
2-Nitrophenol
Concen: 39.808 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:139 Resp: 223032

Ion	Ratio	Lower	Upper
139	100		
109	35.6	26.9	40.3
65	49.4	38.3	57.5



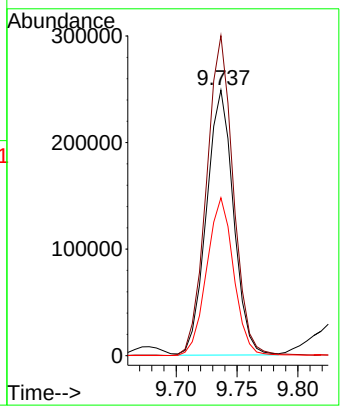


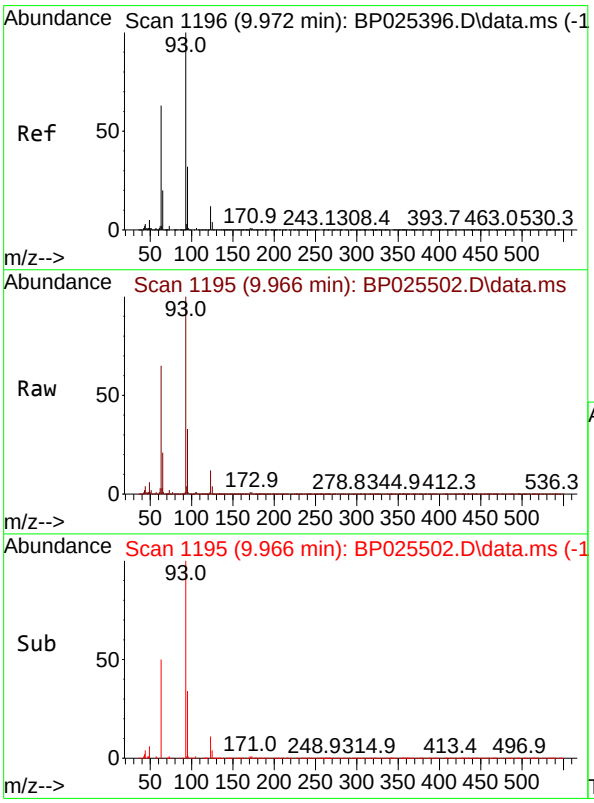
#27
2,4-Dimethylphenol
Concen: 39.968 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 385100

Ion	Ratio	Lower	Upper
122	100		
107	120.5	93.7	140.5
121	59.5	46.6	69.8

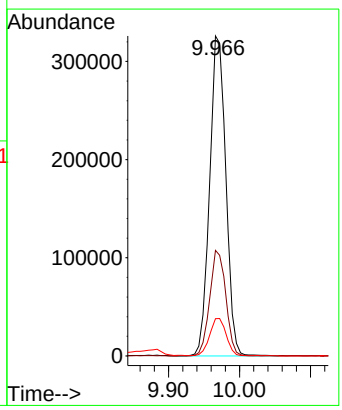


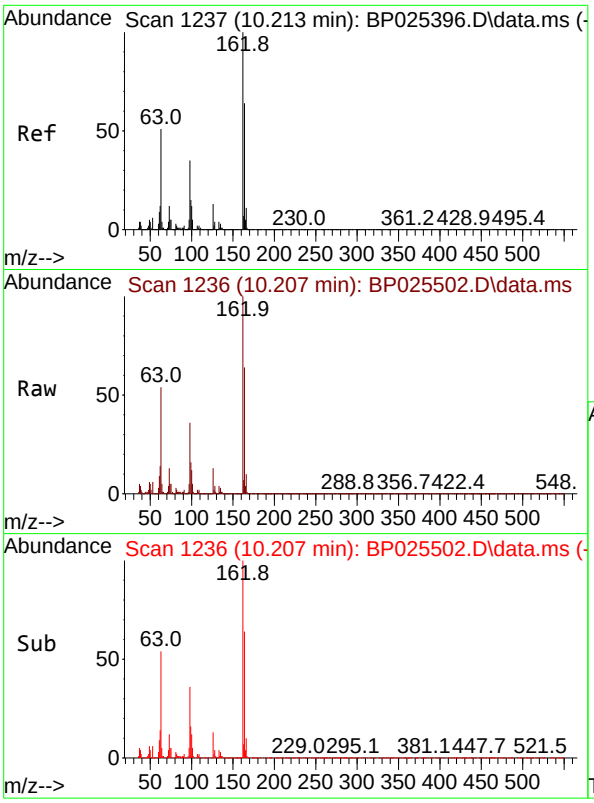


#28
bis(2-Chloroethoxy)methane
Concen: 39.468 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 93 Resp: 515756

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.4	38.0
123	11.7	9.4	14.0



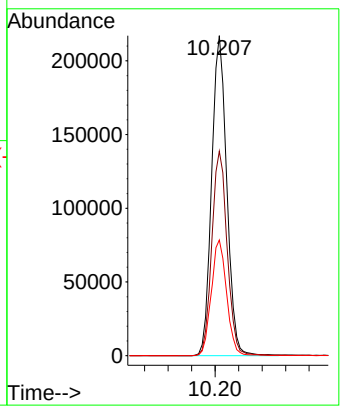


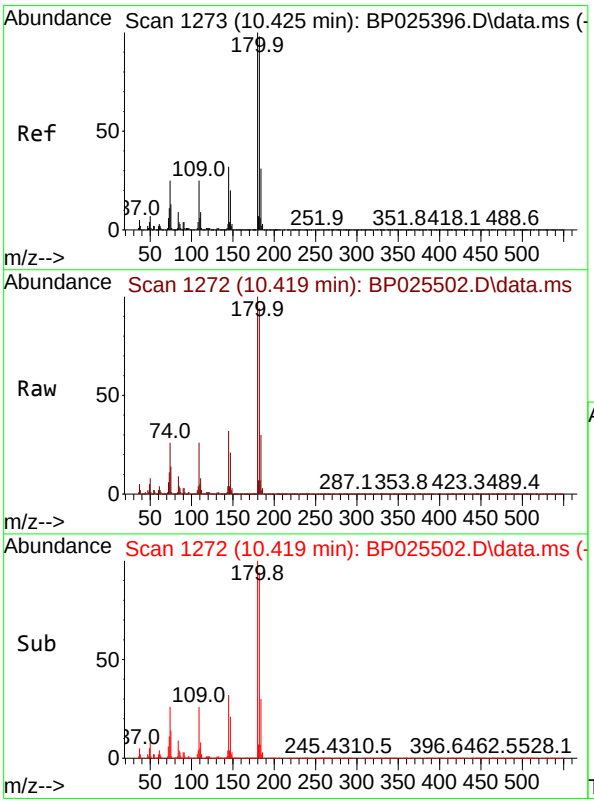
#29
2,4-Dichlorophenol
Concen: 40.533 ng
RT: 10.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 387958

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.4	84.4
98	36.2	14.9	54.9

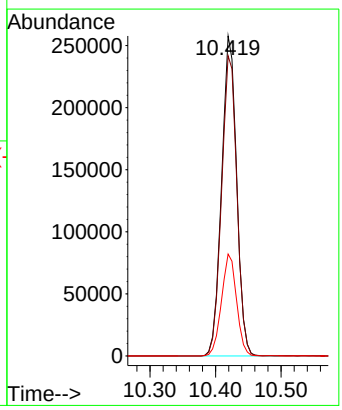


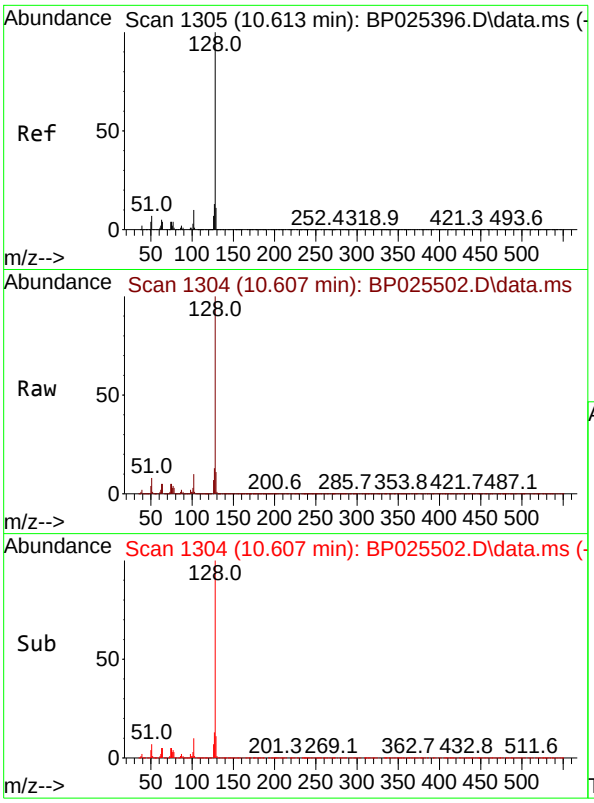


#30
1,2,4-Trichlorobenzene
Concen: 38.887 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:180 Resp: 408012

Ion	Ratio	Lower	Upper
180	100		
182	93.8	78.0	117.0
145	31.8	25.9	38.9



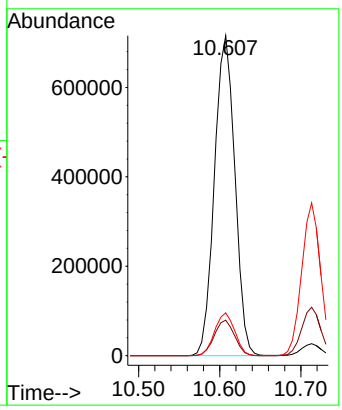


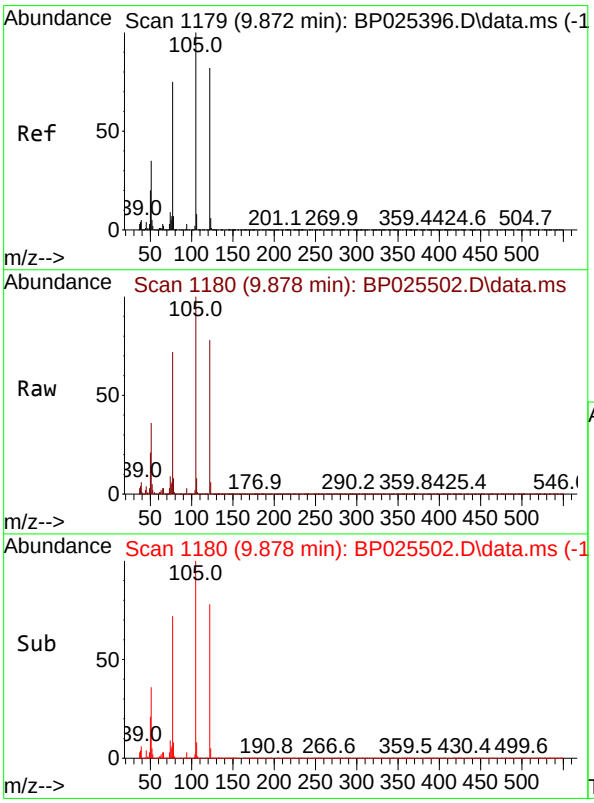
#31
Naphthalene
Concen: 38.998 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1252509

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.4	10.7	16.1

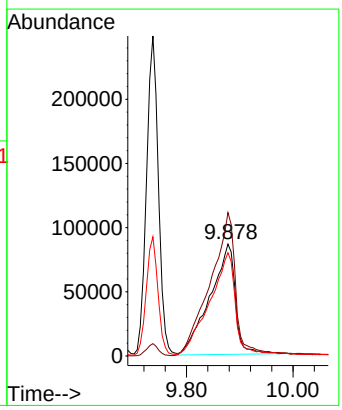


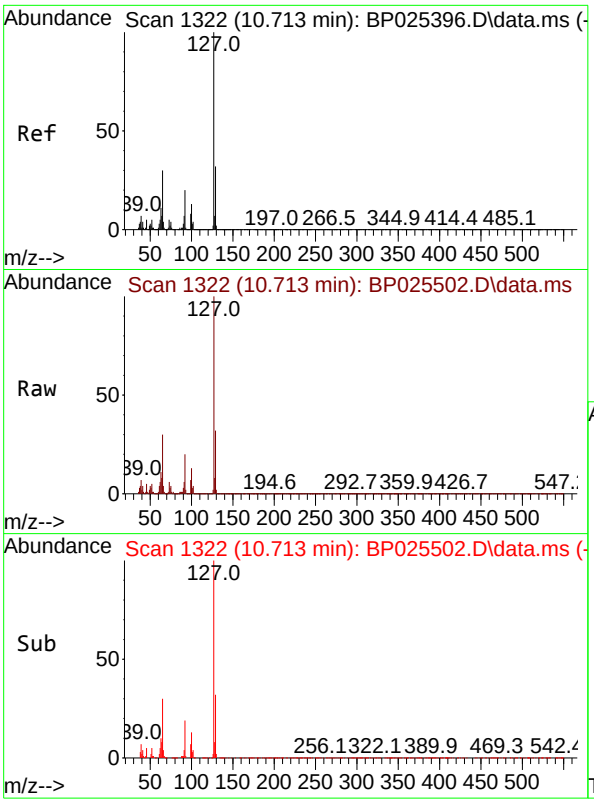


#32
Benzoic acid
Concen: 39.948 ng
RT: 9.878 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:122 Resp: 284166

Ion	Ratio	Lower	Upper
122	100		
105	128.1	100.6	140.6
77	92.2	71.5	111.5



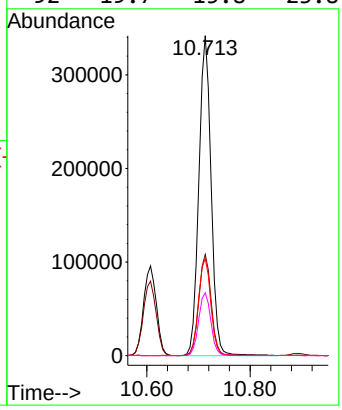


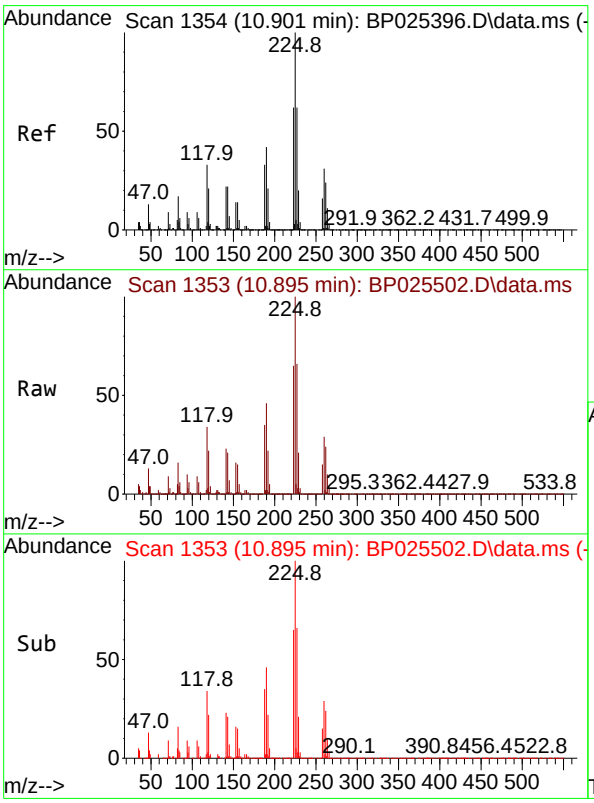
#33
4-Chloroaniline
Concen: 39.605 ng
RT: 10.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 561871

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.2
65	30.3	23.8	35.6
92	19.7	15.8	23.8

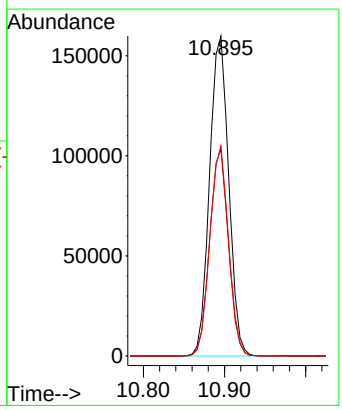


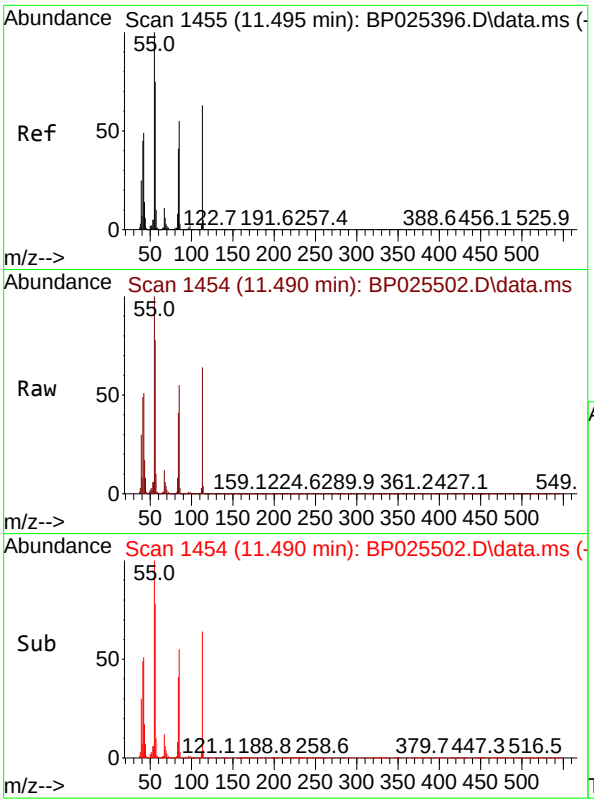


#34
Hexachlorobutadiene
Concen: 39.951 ng
RT: 10.895 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:225 Resp: 261058

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.0	75.0
227	65.7	49.7	74.5



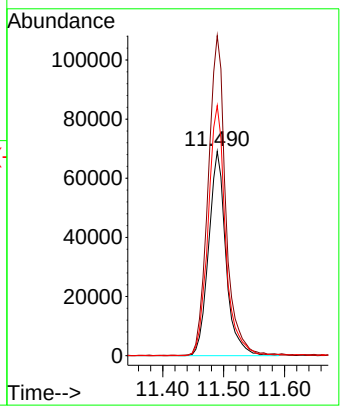


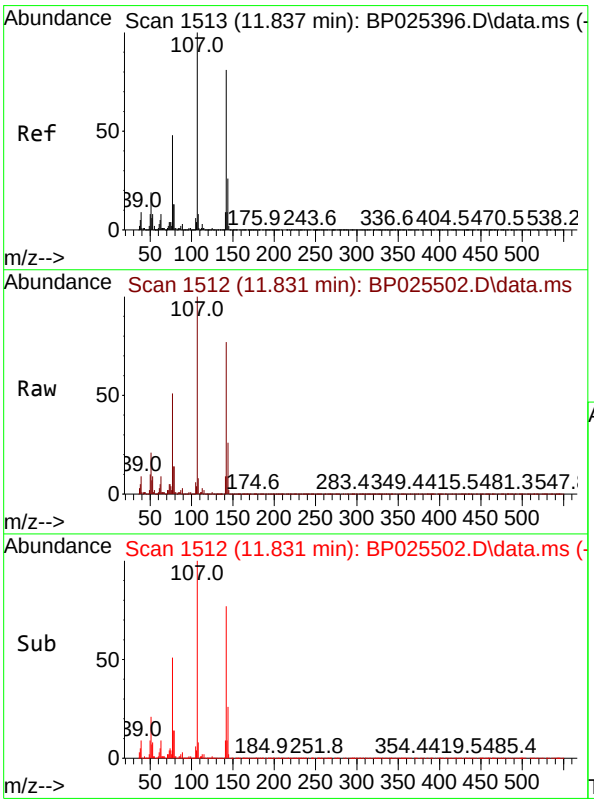
#35
Caprolactam
Concen: 38.776 ng
RT: 11.490 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 136092

Ion	Ratio	Lower	Upper
113	100		
55	156.6	140.0	180.0
56	122.4	100.0	140.0

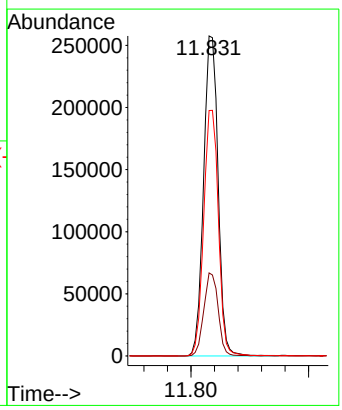


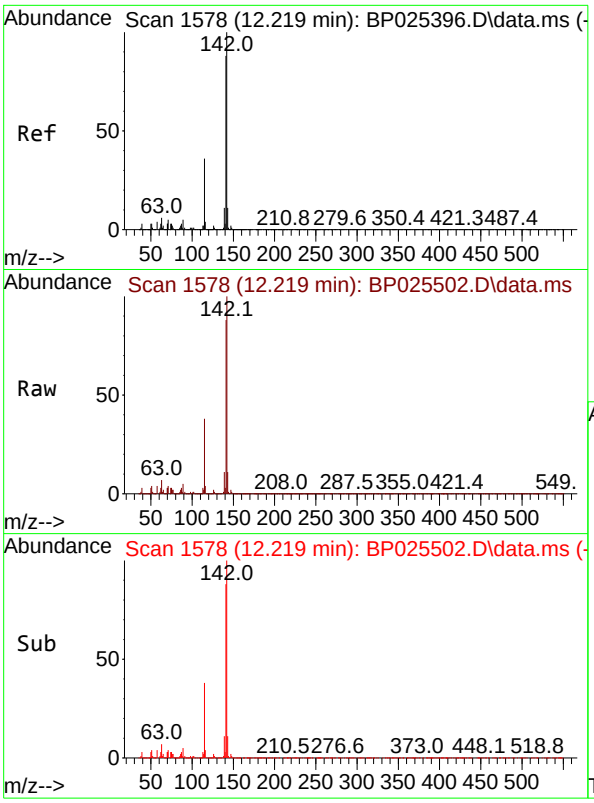


#36
4-Chloro-3-methylphenol
Concen: 40.195 ng
RT: 11.831 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:107 Resp: 441463

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.4
142	76.7	64.6	97.0



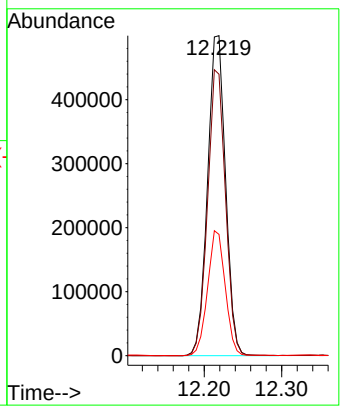


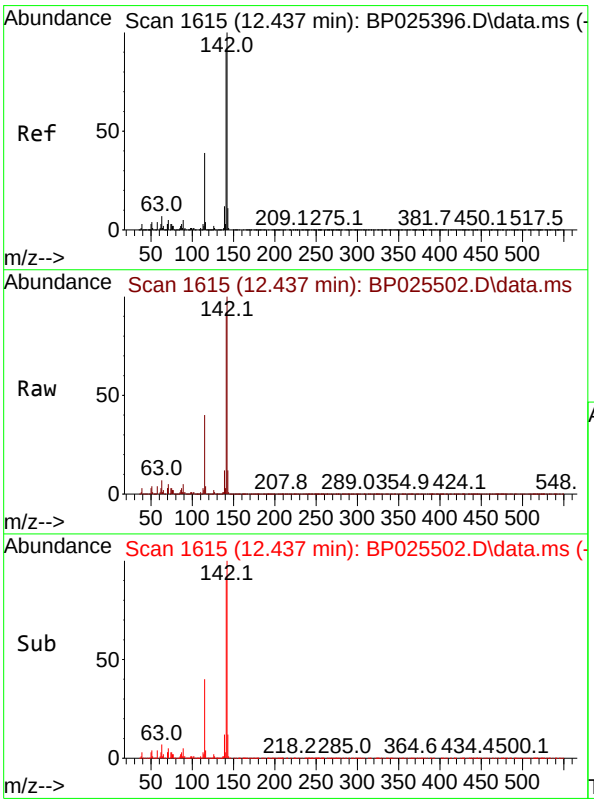
#37
2-Methylnaphthalene
Concen: 38.714 ng
RT: 12.219 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 809155

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	37.9	28.9	43.3

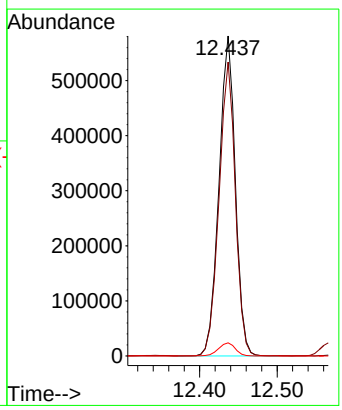


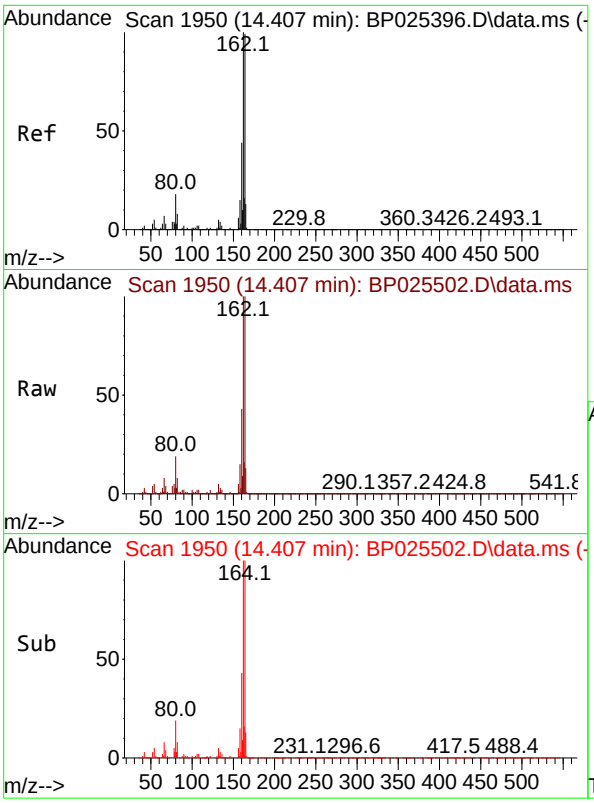


#38
1-Methylnaphthalene
Concen: 38.296 ng
RT: 12.437 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:142 Resp: 851212

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7
116	4.1	3.2	4.8



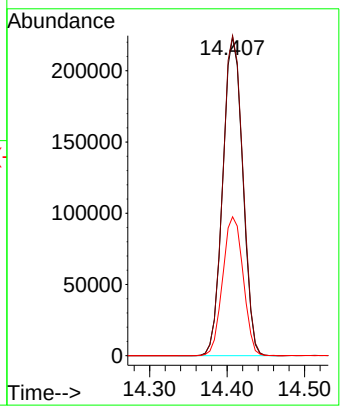


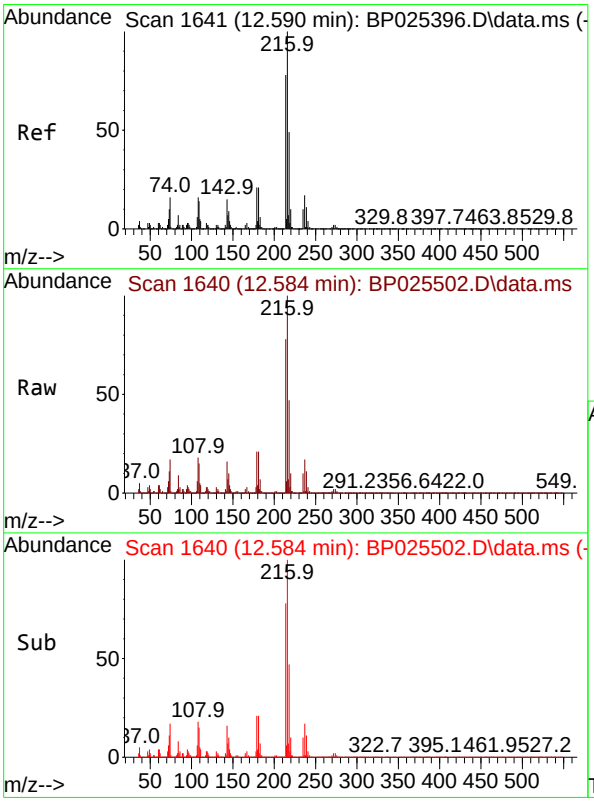
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 400331

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.6
160	43.6	35.4	53.2

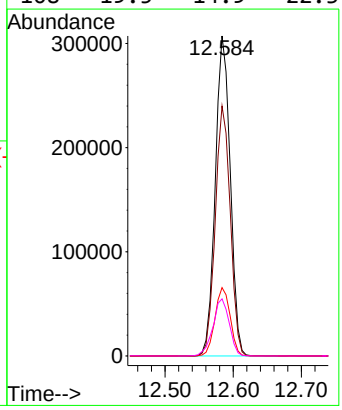


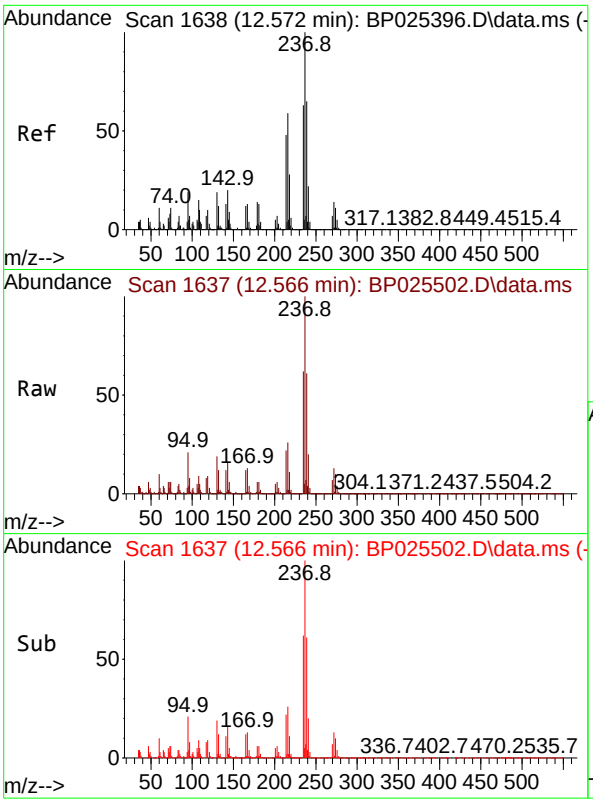


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.579 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:216 Resp: 469176

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.4
179	21.7	17.1	25.7
108	19.5	14.9	22.3



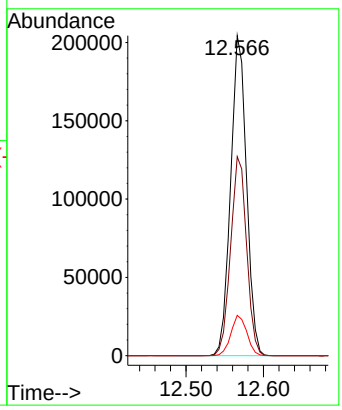


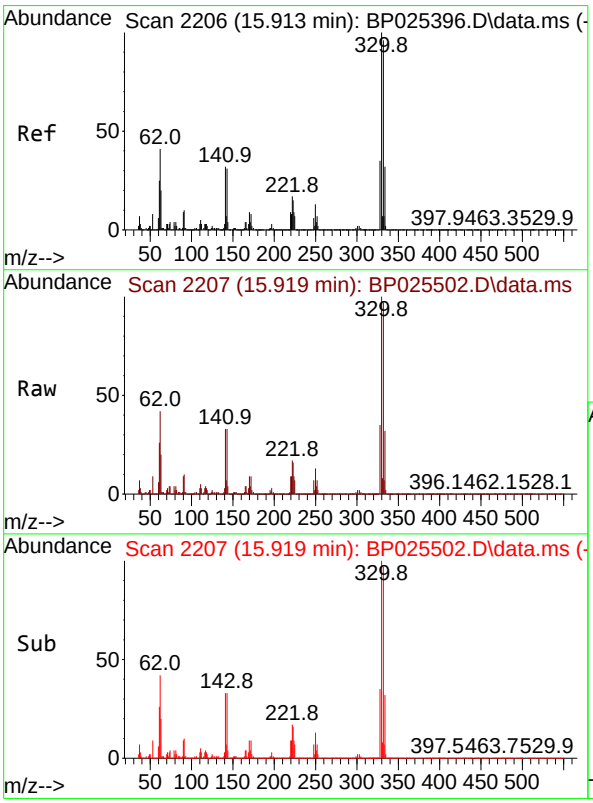
#41
Hexachlorocyclopentadiene
Concen: 41.746 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 291550

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.7	82.7
272	12.6	0.0	34.0

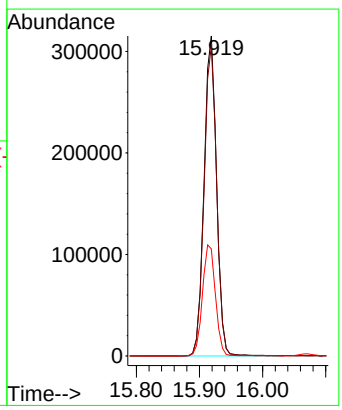


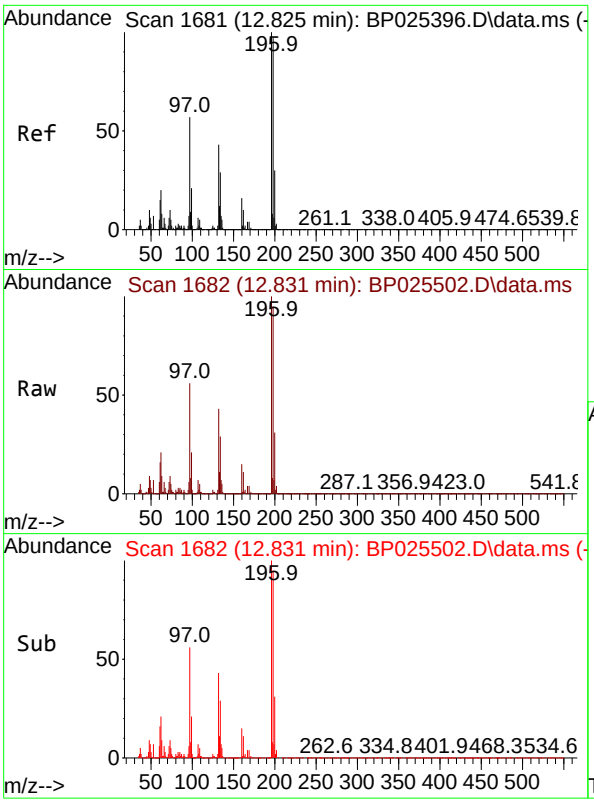


#42
2,4,6-Tribromophenol
Concen: 80.580 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:330 Resp: 434204

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	36.0	26.6	39.8



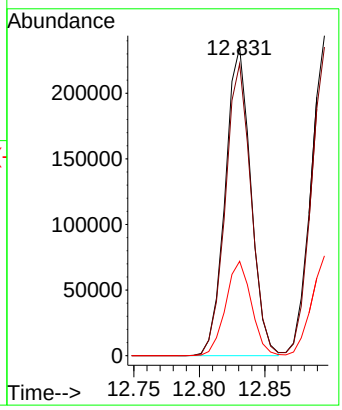


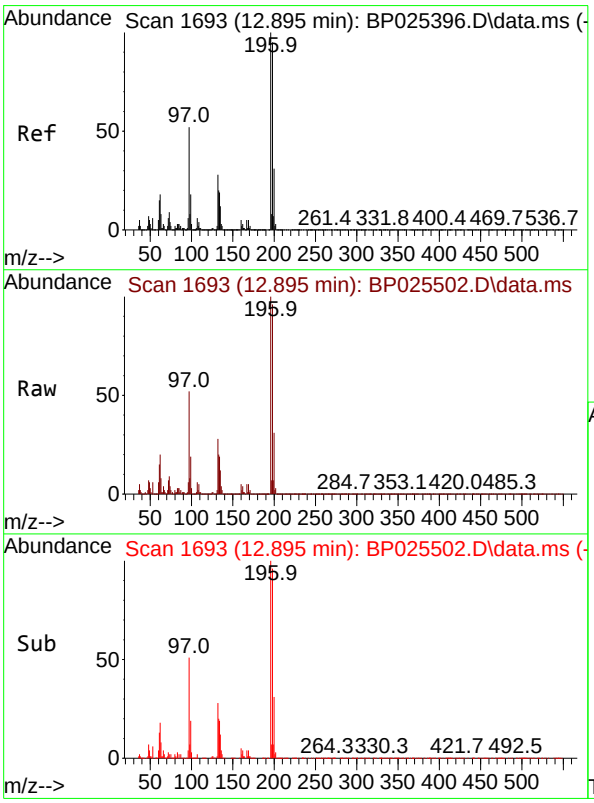
#43
2,4,6-Trichlorophenol
Concen: 40.907 ng
RT: 12.831 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 319303

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.2	115.8
200	30.6	23.9	35.9

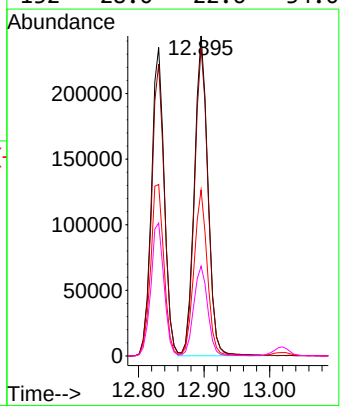


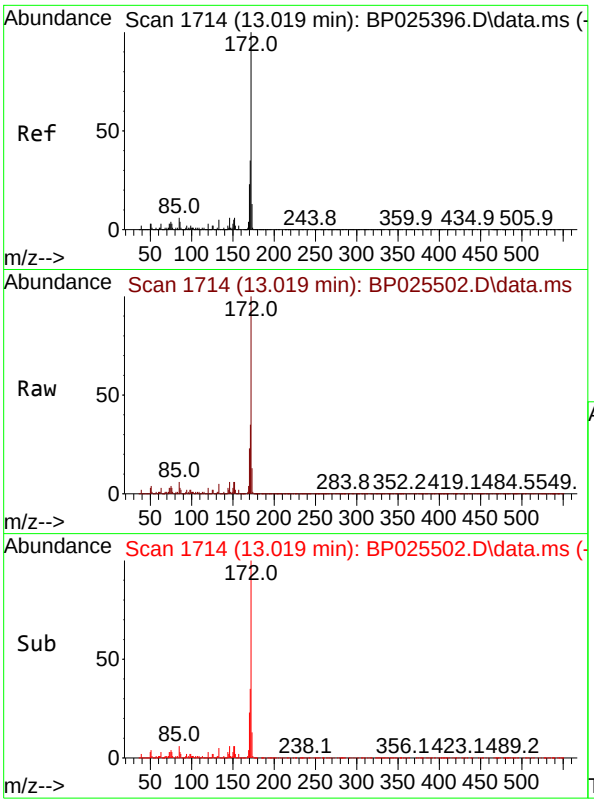


#44
2,4,5-Trichlorophenol
Concen: 41.026 ng
RT: 12.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:196 Resp: 350964

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	51.9	41.2	61.8
132	28.0	22.6	34.0



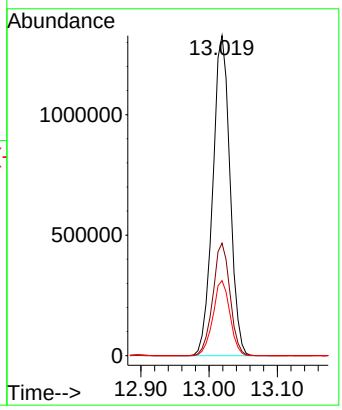


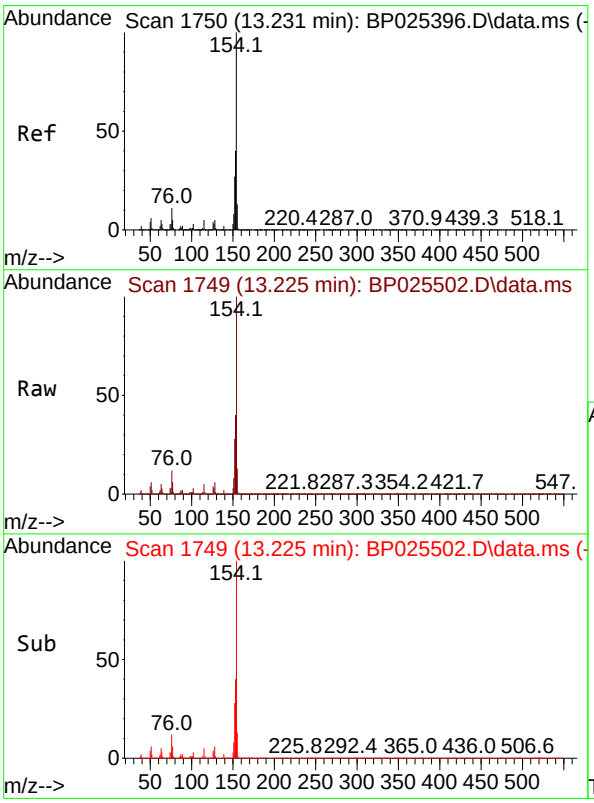
#45
2-Fluorobiphenyl
Concen: 79.531 ng
RT: 13.019 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2329621

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.5	18.6	28.0

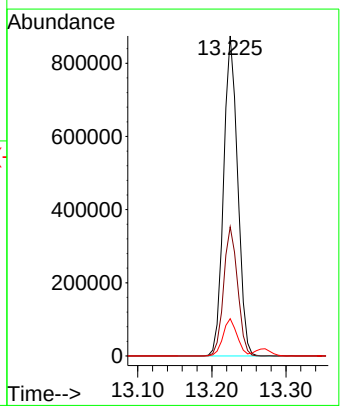


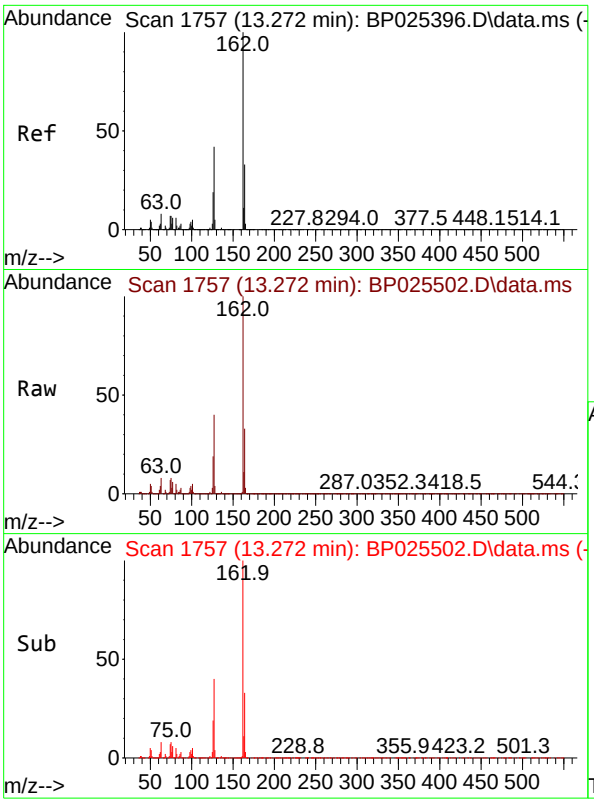


#46
1,1'-Biphenyl
Concen: 39.678 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 1153599

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	11.7	0.0	31.1



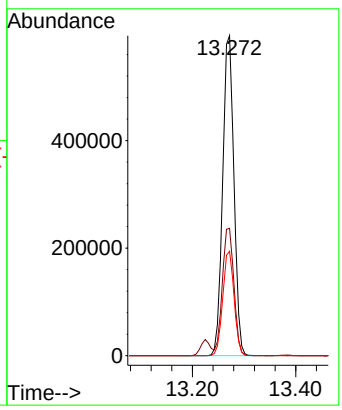


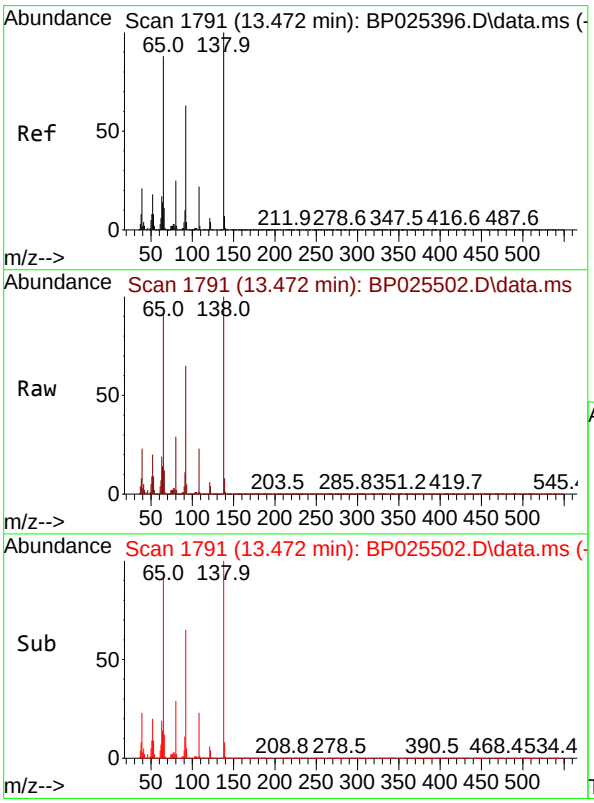
#47
2-Chloronaphthalene
Concen: 39.783 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 900445

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	32.7	26.2	39.2

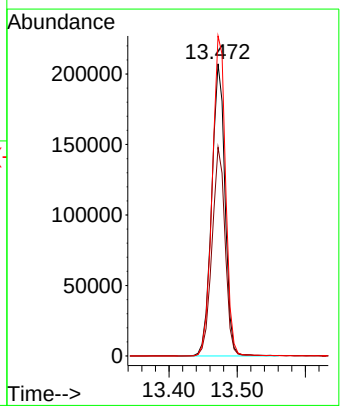


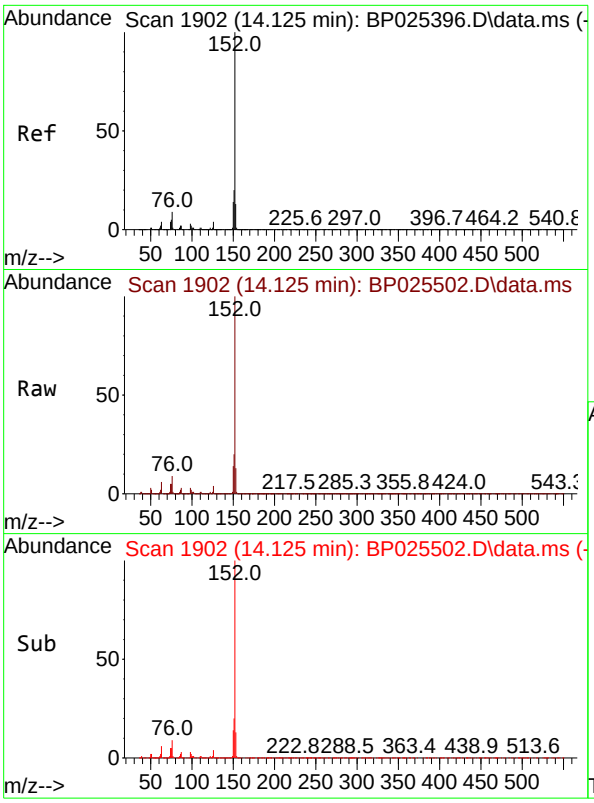


#48
2-Nitroaniline
Concen: 42.727 ng
RT: 13.472 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion: 65 Resp: 281785

Ion	Ratio	Lower	Upper
65	100		
92	71.4	57.6	86.4
138	109.5	91.0	136.6



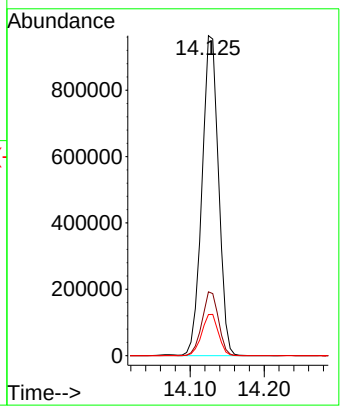


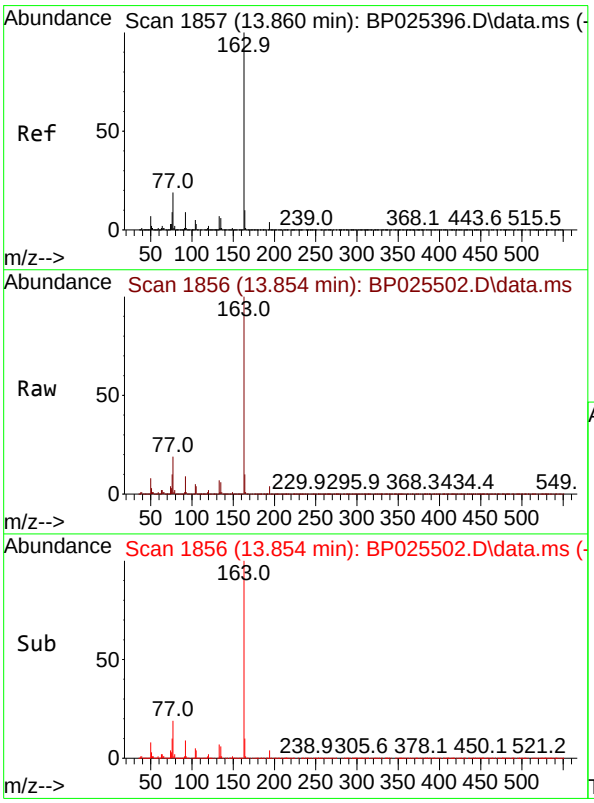
#49
Acenaphthylene
Concen: 39.860 ng
RT: 14.125 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1492877

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	12.8	10.6	15.8

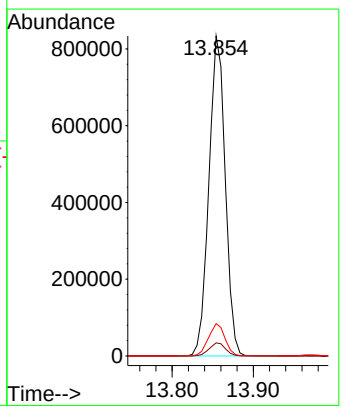


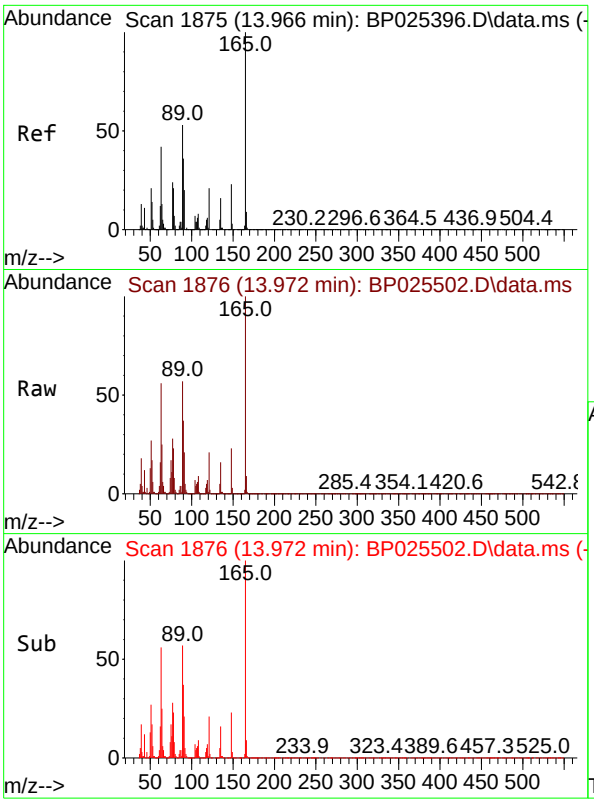


#50
Dimethylphthalate
Concen: 39.744 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:163 Resp: 1165139

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9



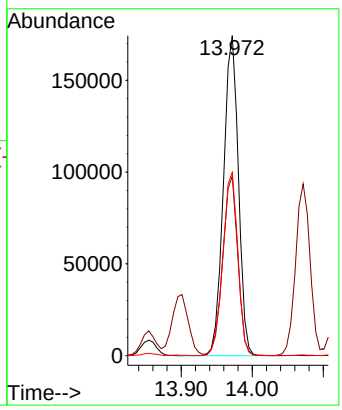


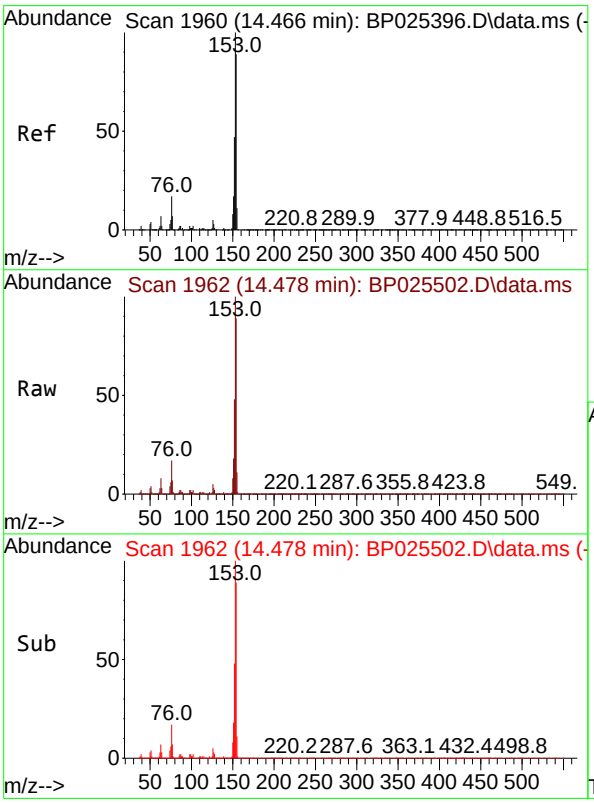
#51
2,6-Dinitrotoluene
Concen: 41.073 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 253787

Ion	Ratio	Lower	Upper
165	100		
63	56.1	40.9	61.3
89	57.3	42.1	63.1

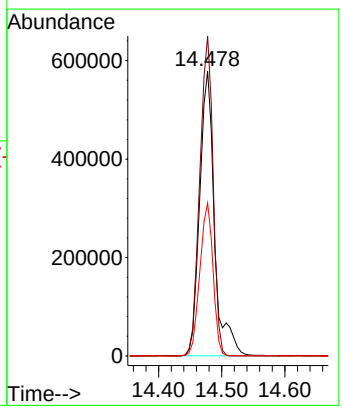


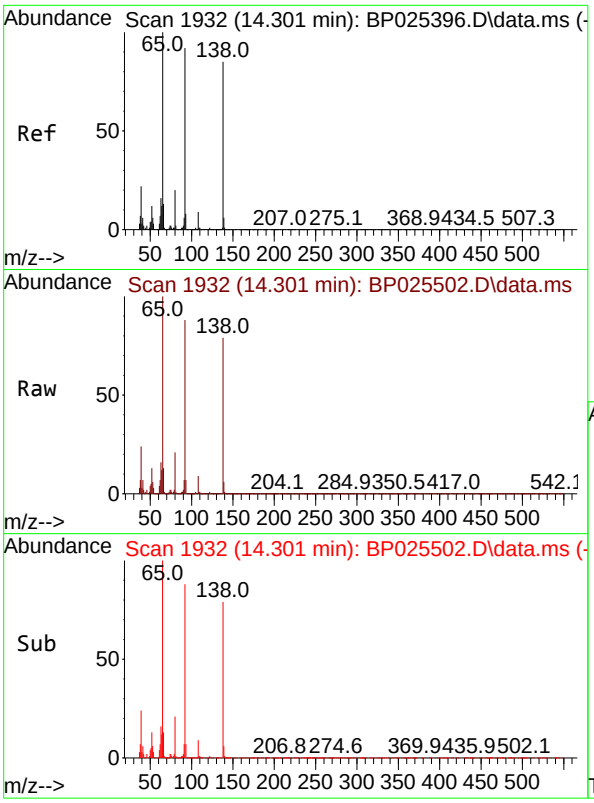


#52
Acenaphthene
Concen: 42.917 ng
RT: 14.478 min Scan# 1962
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:154 Resp: 943497

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.2	135.2
152	53.8	42.1	63.1



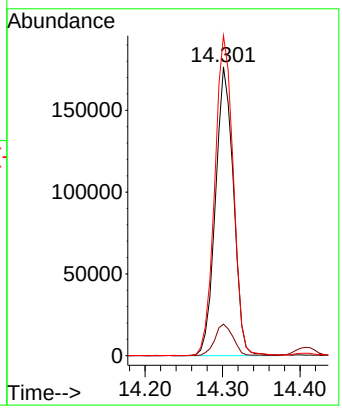


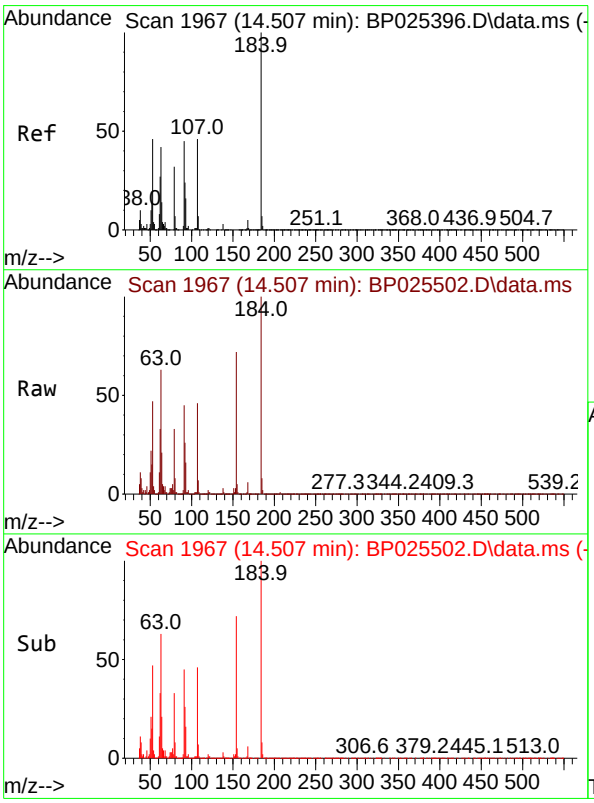
#53
3-Nitroaniline
Concen: 41.043 ng
RT: 14.301 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 285327

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.3	12.5
92	110.8	86.2	129.2

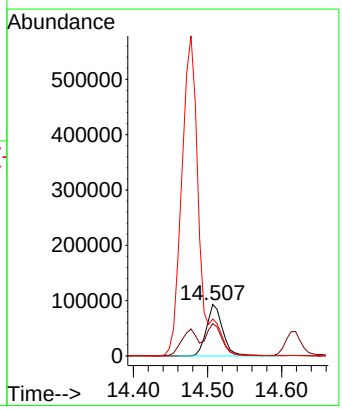


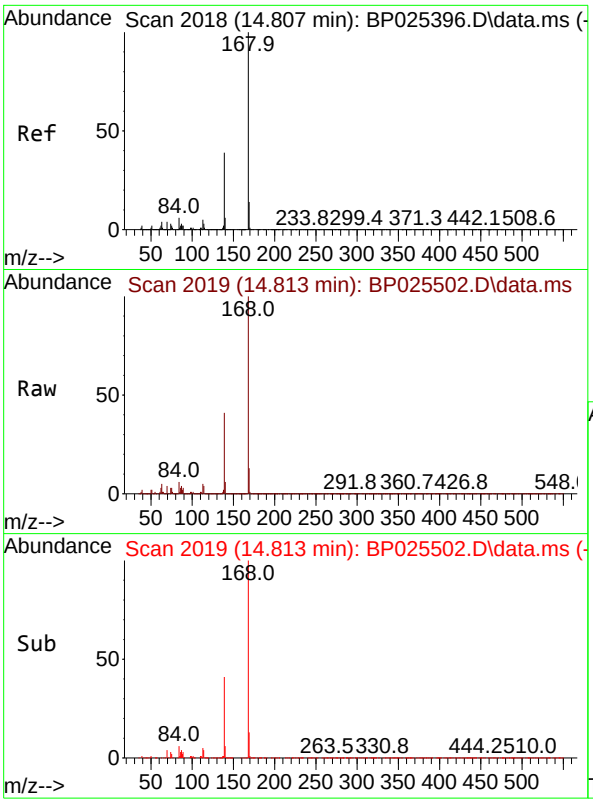


#54
2,4-Dinitrophenol
Concen: 43.128 ng
RT: 14.507 min Scan# 1967
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:184 Resp: 142309

Ion	Ratio	Lower	Upper
184	100		
63	62.8	49.4	74.2
154	71.8	54.6	82.0



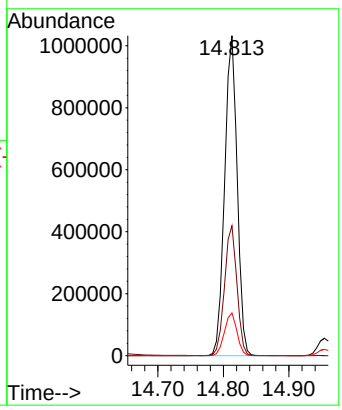


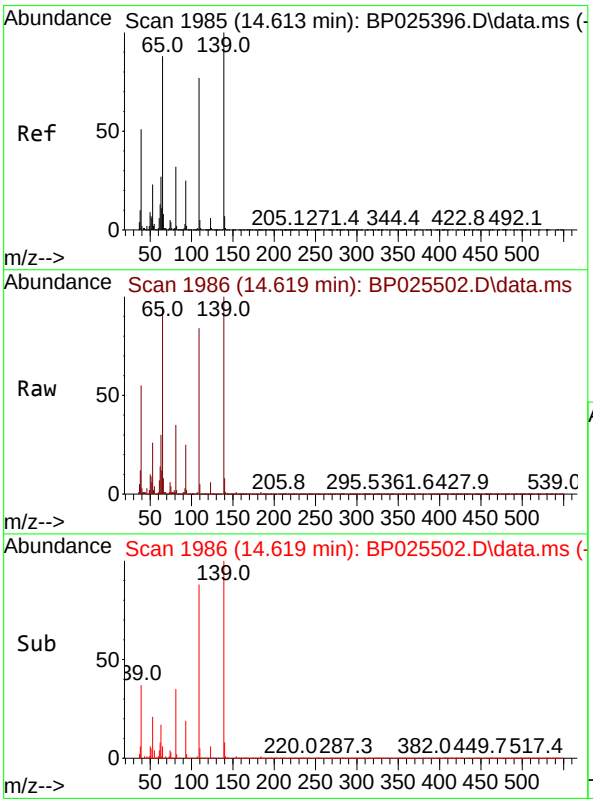
#55
Dibenzofuran
Concen: 39.226 ng
RT: 14.813 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1363388

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.5	47.3
169	13.3	10.9	16.3

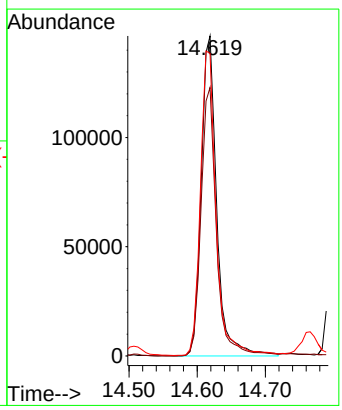


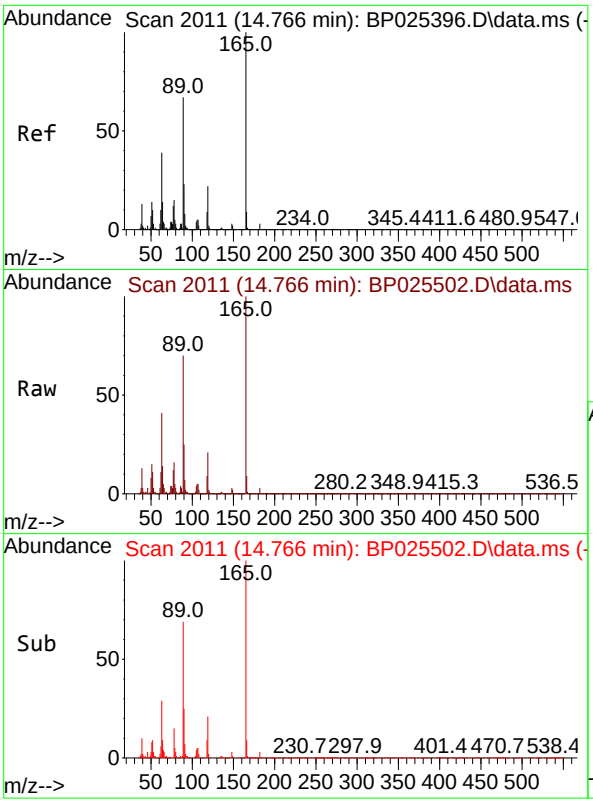


#56
4-Nitrophenol
Concen: 40.538 ng
RT: 14.619 min Scan# 1986
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:139 Resp: 231578

Ion	Ratio	Lower	Upper
139	100		
109	83.9	56.6	96.6
65	94.5	68.2	108.2



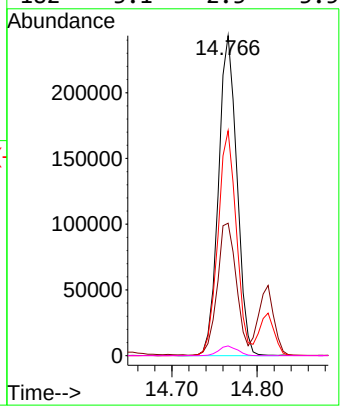


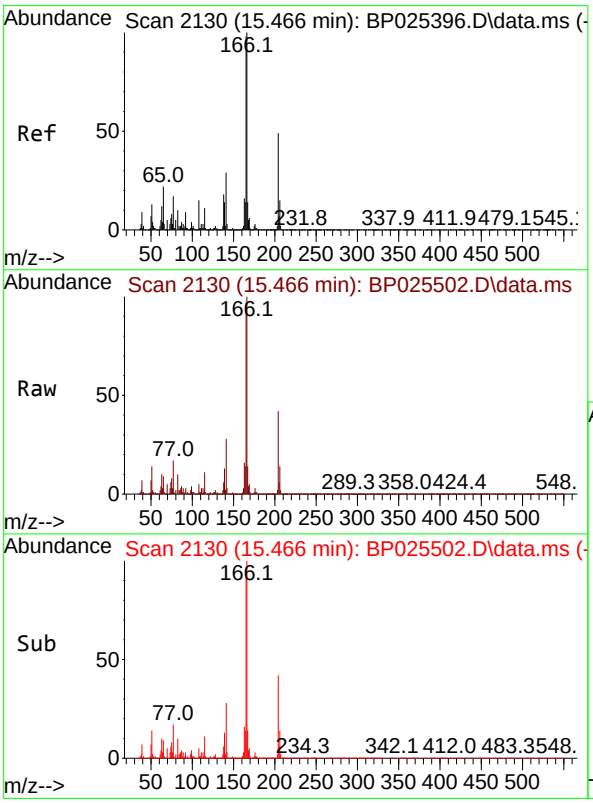
#57
2,4-Dinitrotoluene
Concen: 41.459 ng
RT: 14.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 365491

Ion	Ratio	Lower	Upper
165	100		
63	41.4	31.4	47.2
89	70.3	53.3	79.9
182	3.1	2.3	3.5

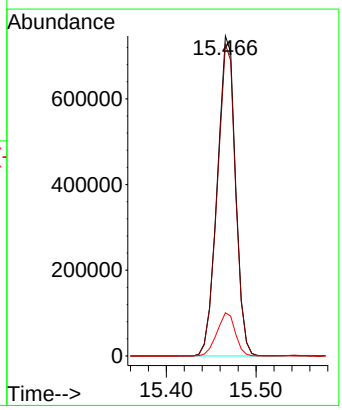


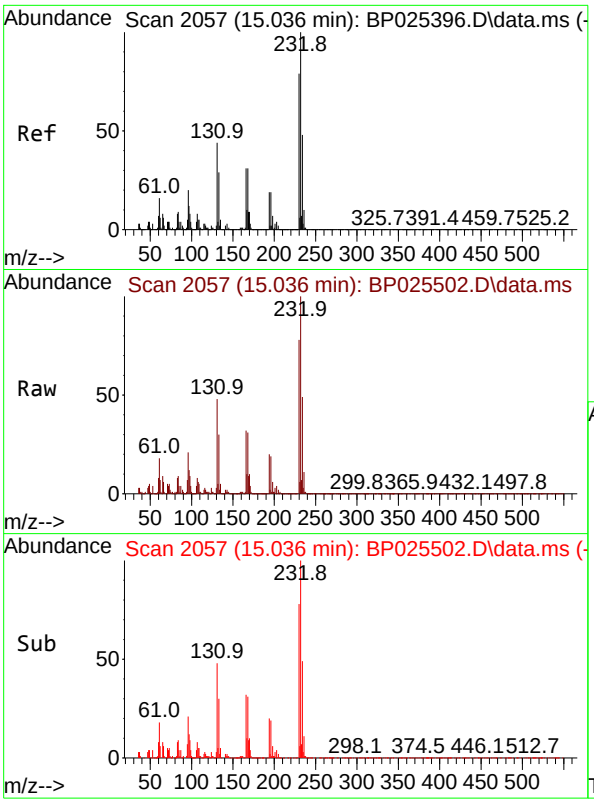


#58
Fluorene
Concen: 38.412 ng
RT: 15.466 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:166 Resp: 1053490

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.5	11.0	16.4



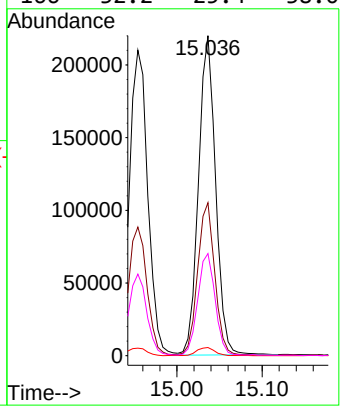


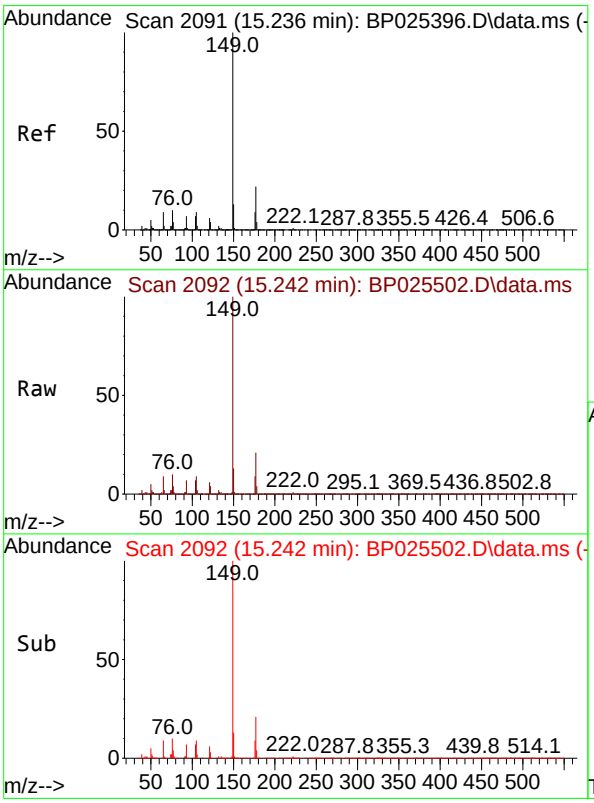
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.574 ng
RT: 15.036 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 306484

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.2	25.4	38.0

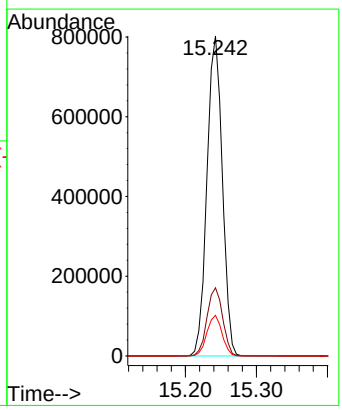


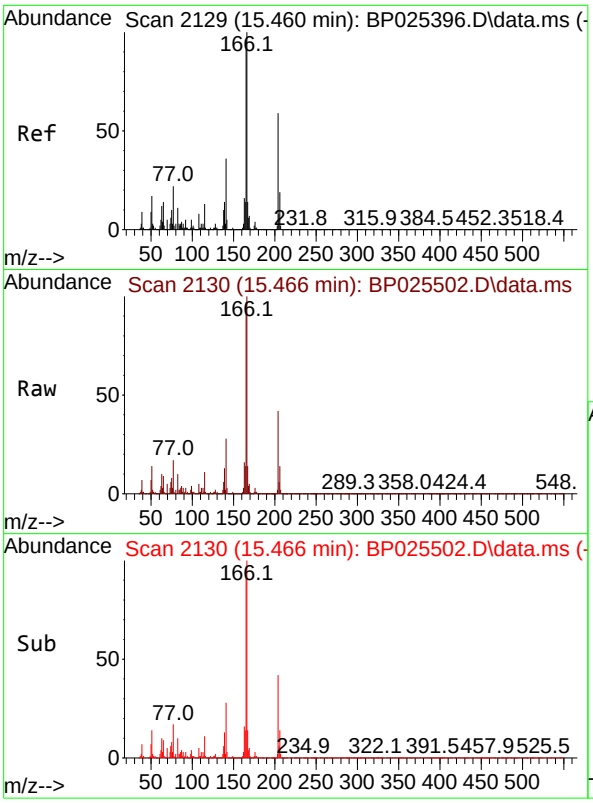


#60
Diethylphthalate
Concen: 40.513 ng
RT: 15.242 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1206790

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.7	10.3	15.5



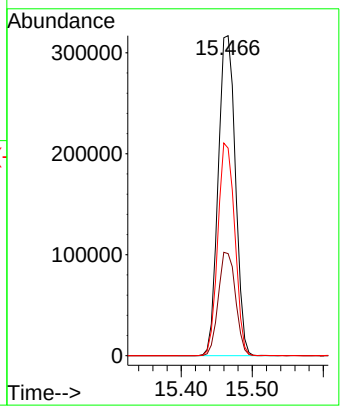


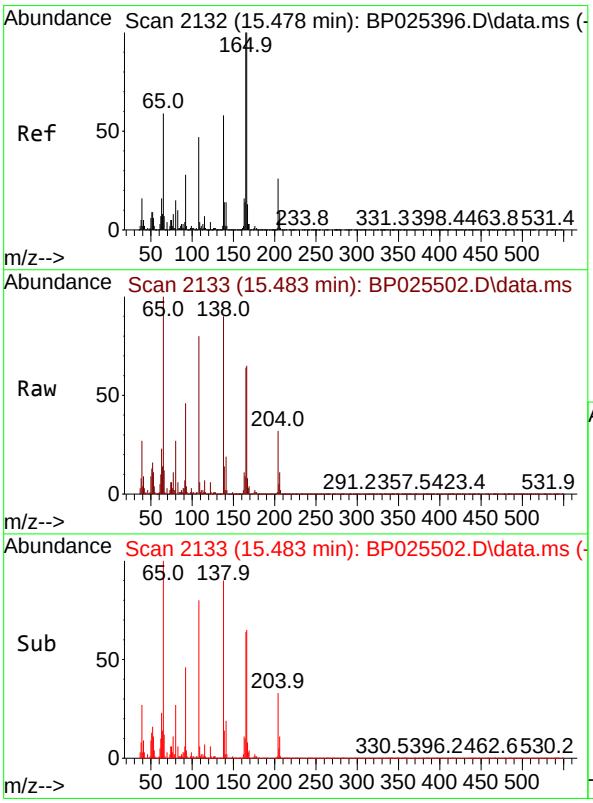
#61
4-Chlorophenyl-phenylether
Concen: 38.934 ng
RT: 15.466 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 531056

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.8
141	64.8	49.4	74.2

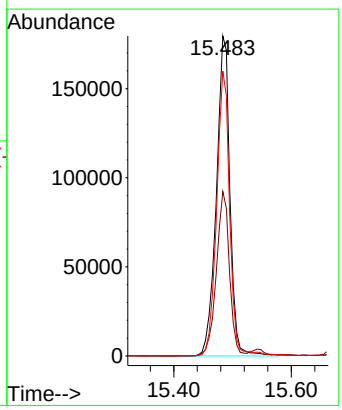


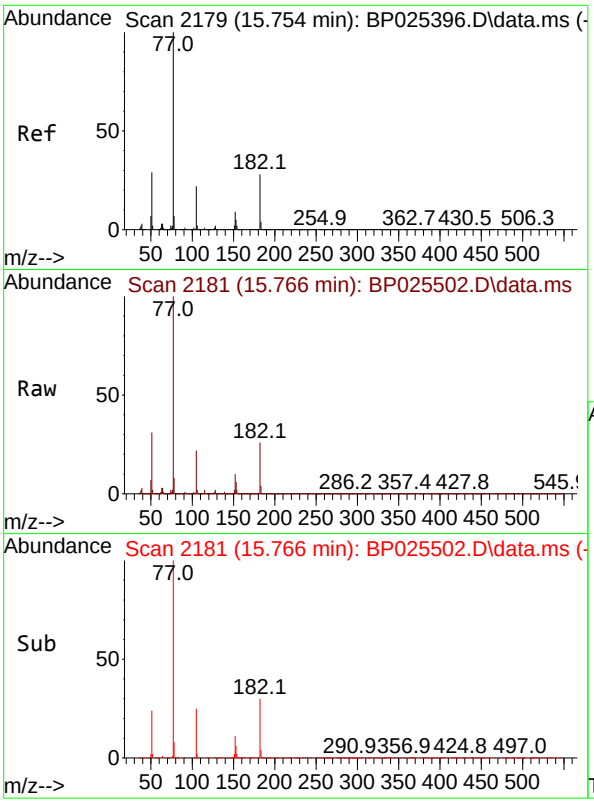


#62
4-Nitroaniline
Concen: 40.530 ng
RT: 15.483 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:138 Resp: 288849

Ion	Ratio	Lower	Upper
138	100		
92	51.4	29.1	69.1
108	89.0	61.5	101.5



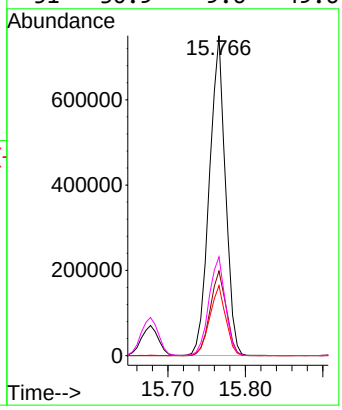


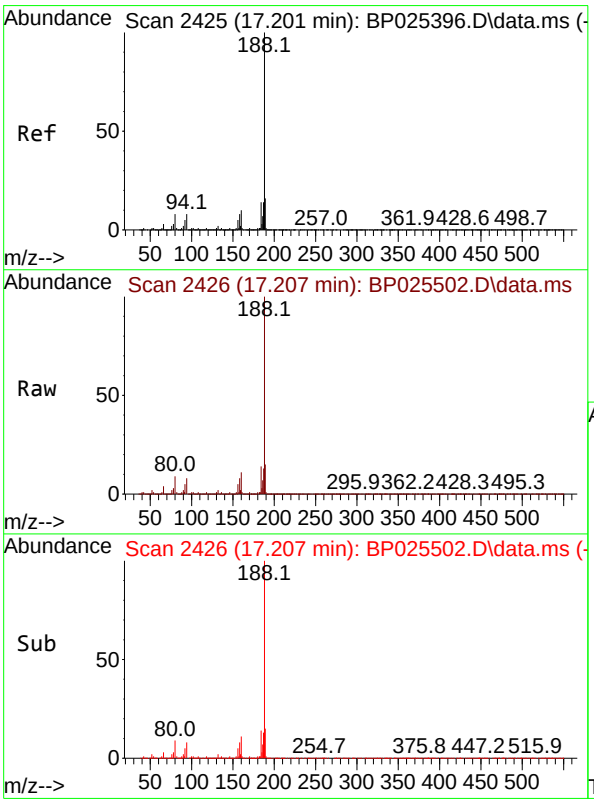
#63
Azobenzene
Concen: 42.199 ng
RT: 15.766 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1076346

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.5	47.5
105	21.9	2.1	42.1
51	30.9	9.6	49.6

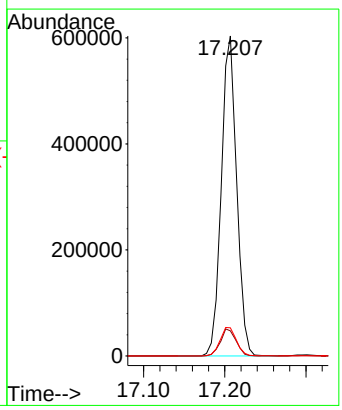


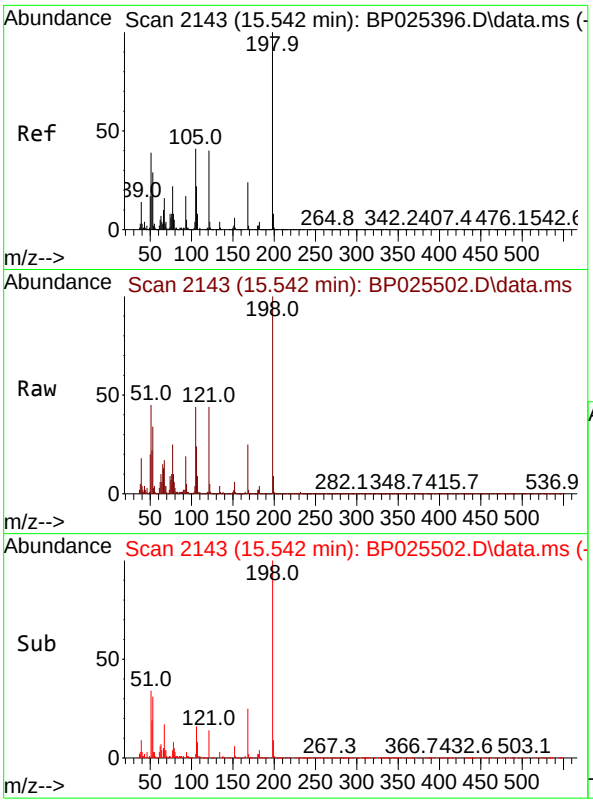


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:188 Resp: 794586

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.6	10.0
80	8.8	6.7	10.1



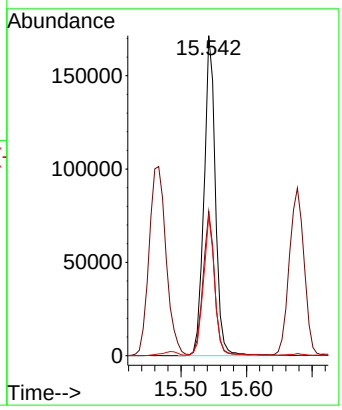


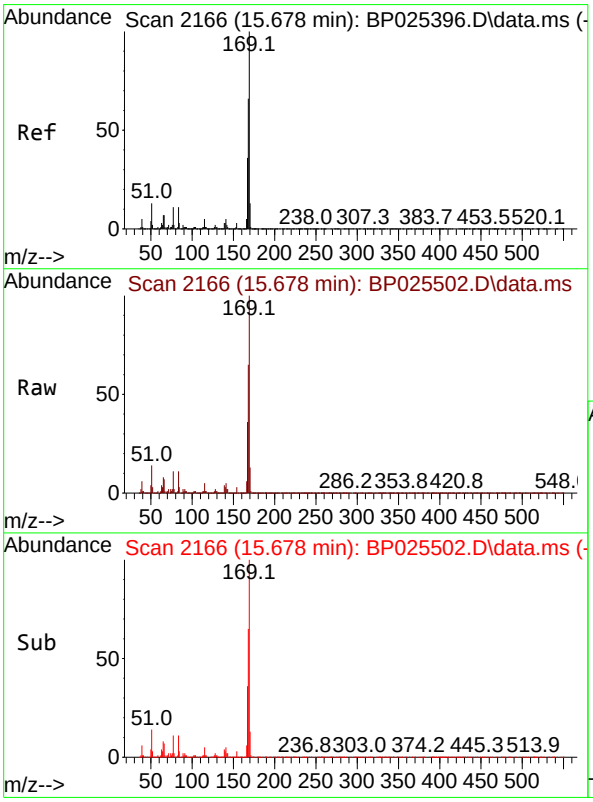
#65
4,6-Dinitro-2-methylphenol
Concen: 41.917 ng
RT: 15.542 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 207617

Ion	Ratio	Lower	Upper
198	100		
51	45.1	19.6	59.6
105	43.8	20.9	60.9

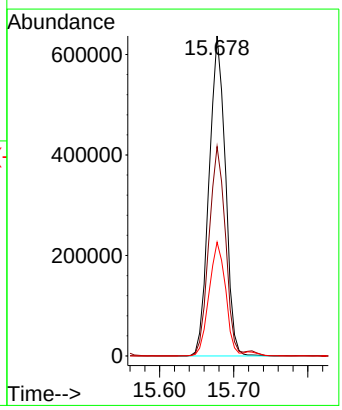


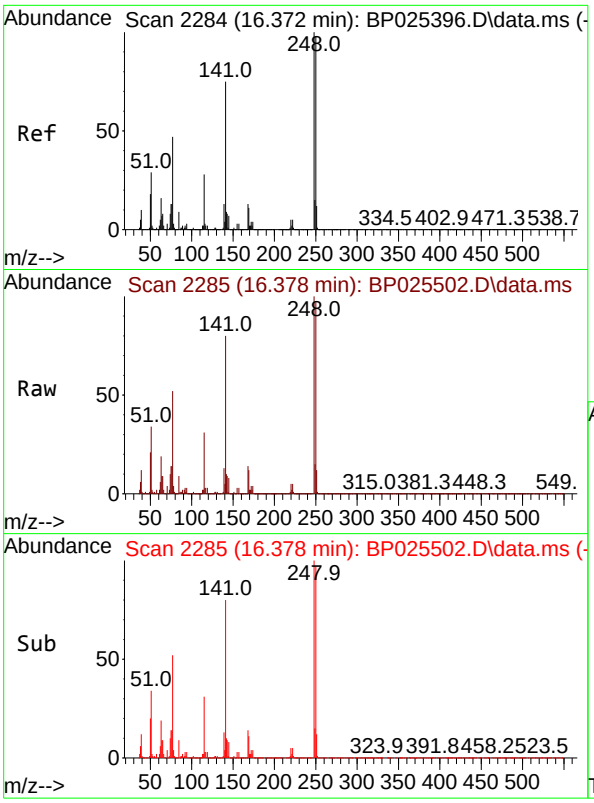


#66
n-Nitrosodiphenylamine
Concen: 40.171 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:169 Resp: 973360

Ion	Ratio	Lower	Upper
169	100		
168	65.4	53.2	79.8
167	35.6	28.7	43.1



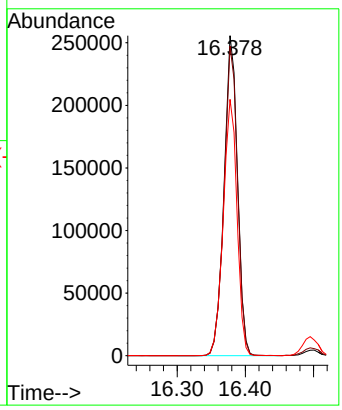


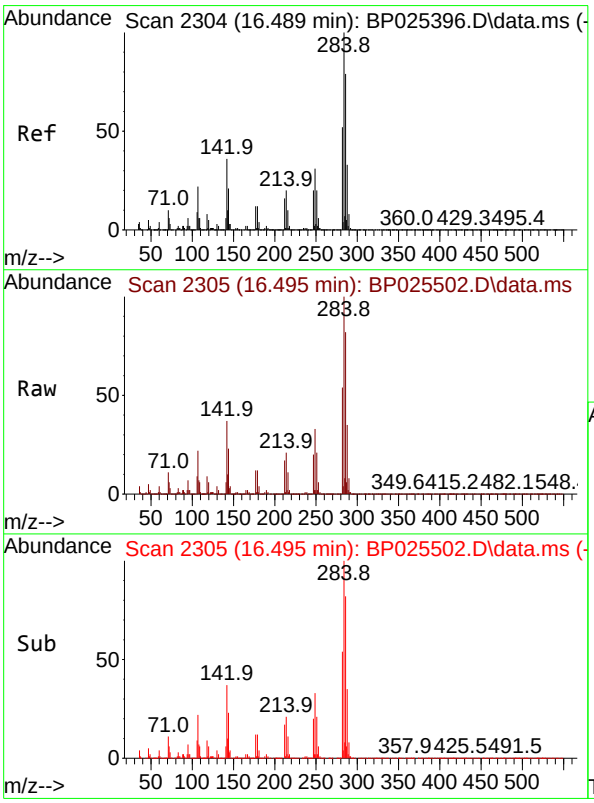
#67
4-Bromophenyl-phenylether
Concen: 40.268 ng
RT: 16.378 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 351898

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.2
141	80.1	59.6	89.4

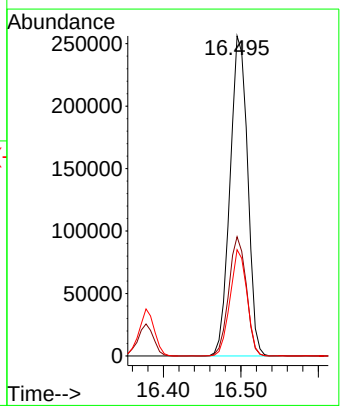


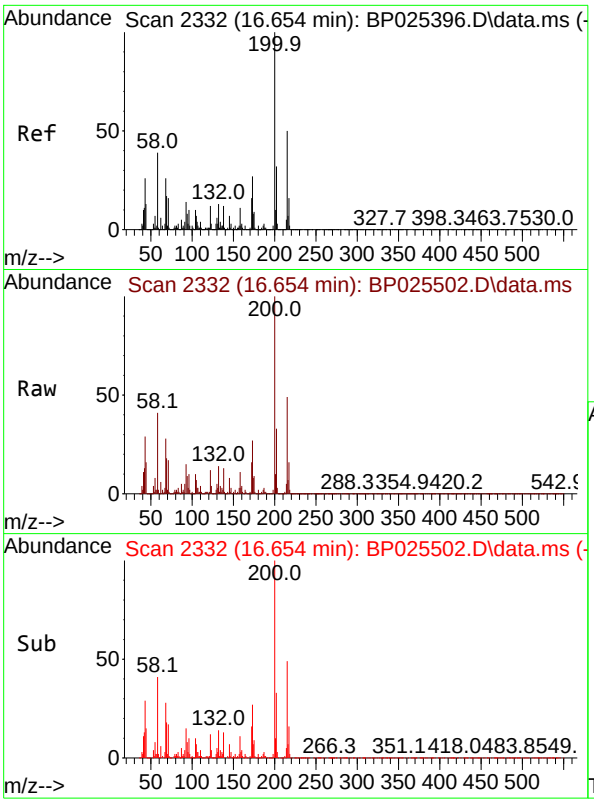


#68
Hexachlorobenzene
Concen: 39.919 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:284 Resp: 404392

Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.1	43.7
249	33.2	25.0	37.4



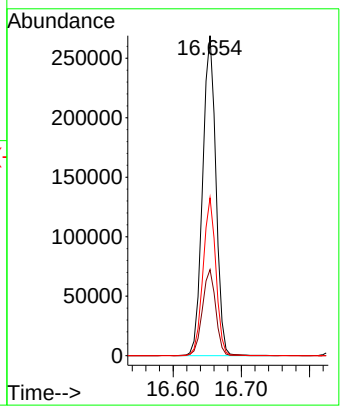


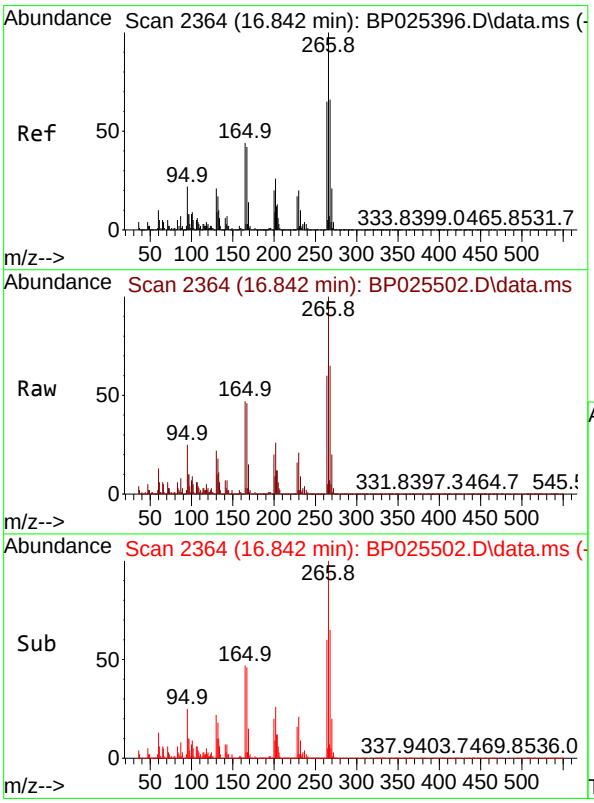
#69
Atrazine
Concen: 40.186 ng
RT: 16.654 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 364653

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.7	46.7
215	49.3	29.7	69.7

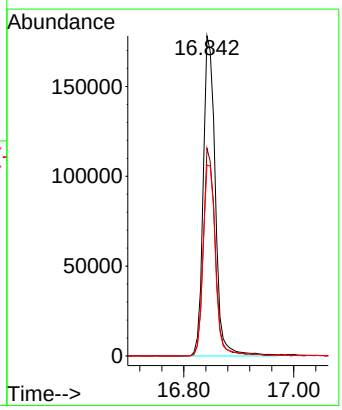


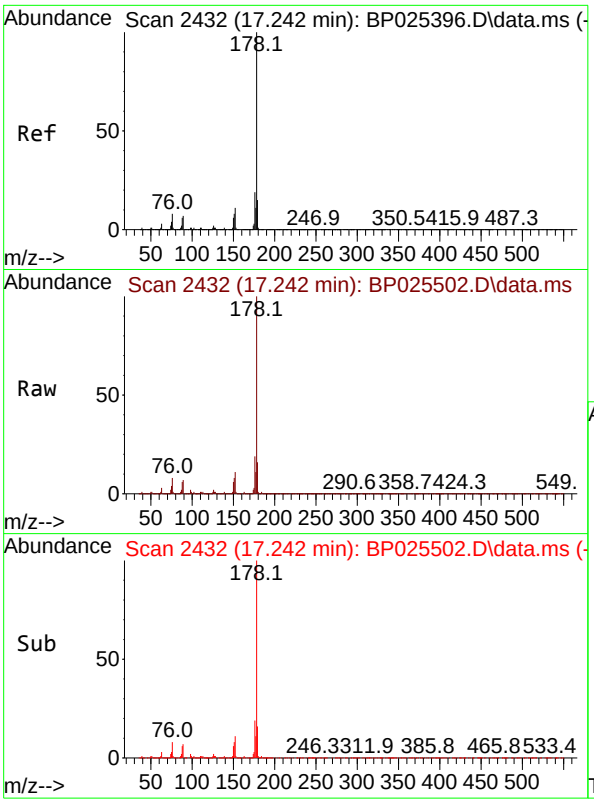


#70
Pentachlorophenol
Concen: 42.449 ng
RT: 16.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:266 Resp: 271451

Ion	Ratio	Lower	Upper
266	100		
268	64.9	52.6	79.0
264	59.7	52.0	78.0



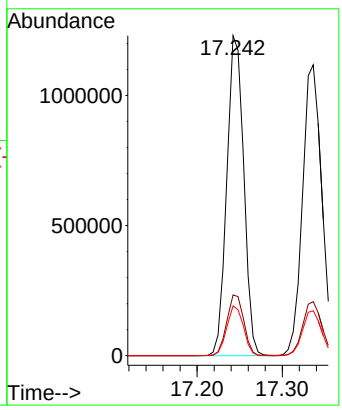


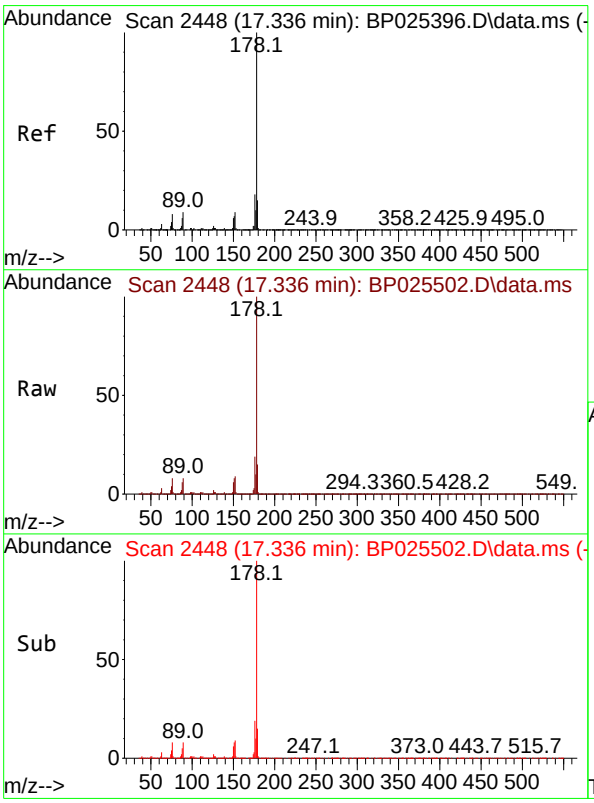
#71
Phenanthrene
Concen: 39.064 ng
RT: 17.242 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1705125

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.6	12.2	18.4

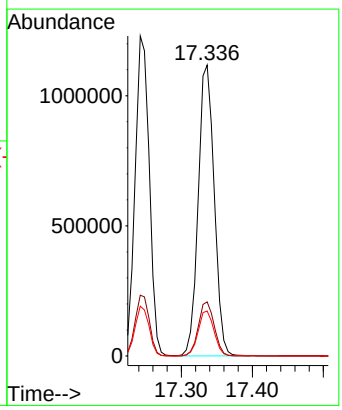


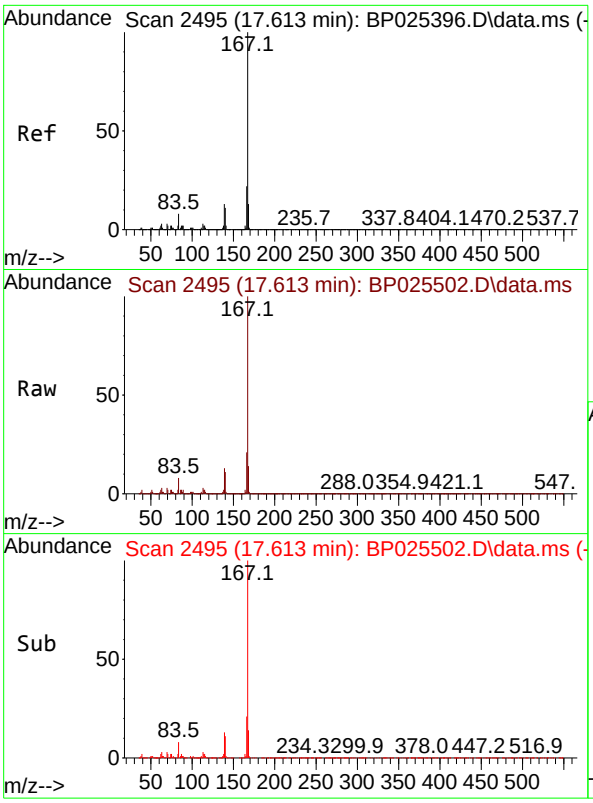


#72
Anthracene
Concen: 39.365 ng
RT: 17.336 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:178 Resp: 1754702

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.2	18.2



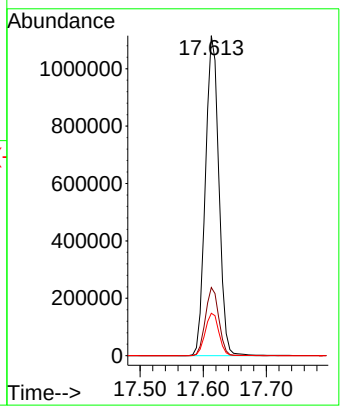


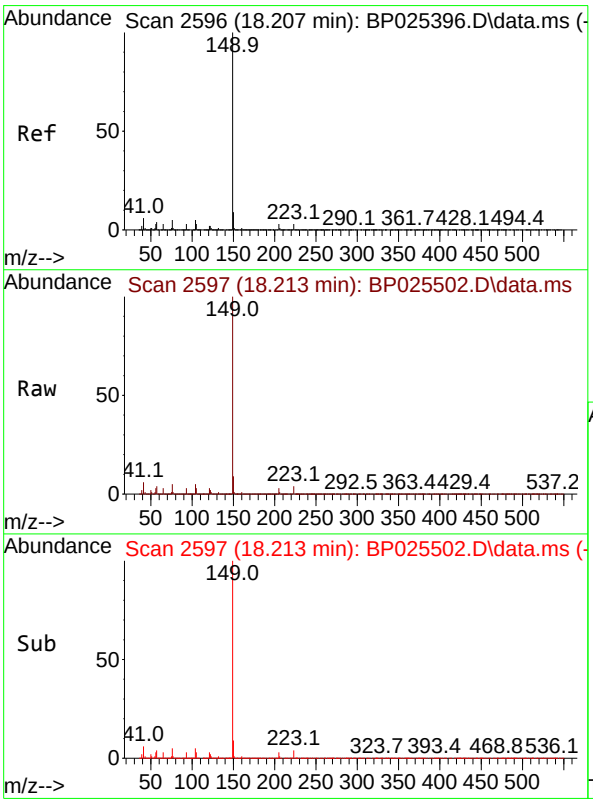
#73
Carbazole
Concen: 39.300 ng
RT: 17.613 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1650038

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.5	26.3
139	13.3	10.6	16.0

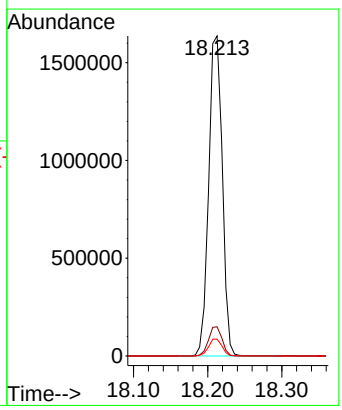


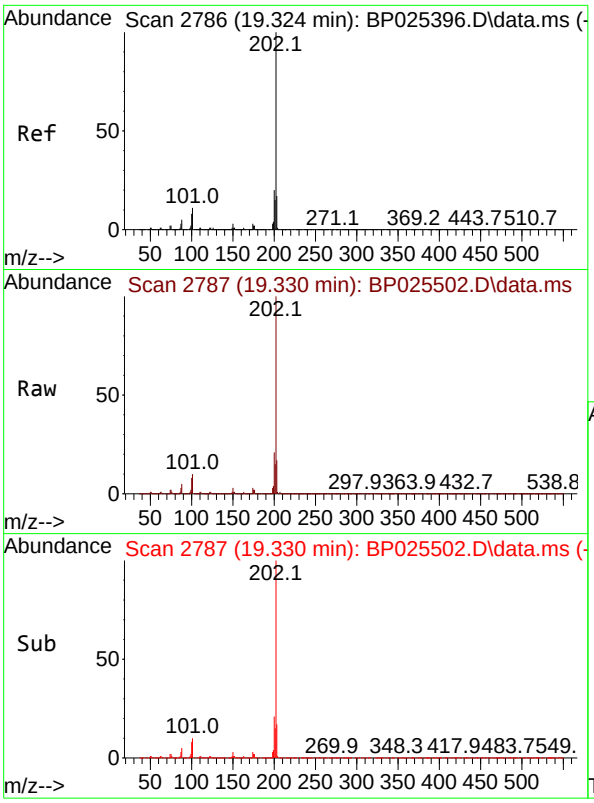


#74
Di-n-butylphthalate
Concen: 40.373 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 2085492

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



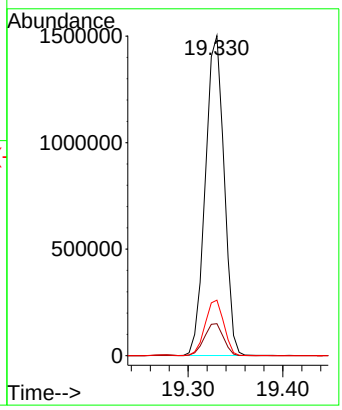


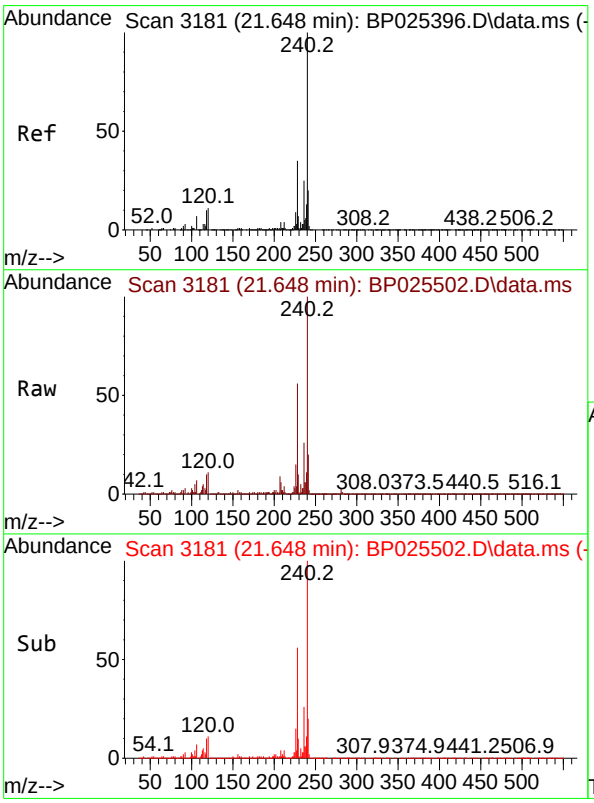
#75
Fluoranthene
Concen: 39.528 ng
RT: 19.330 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2058062

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.3	0.0	37.3

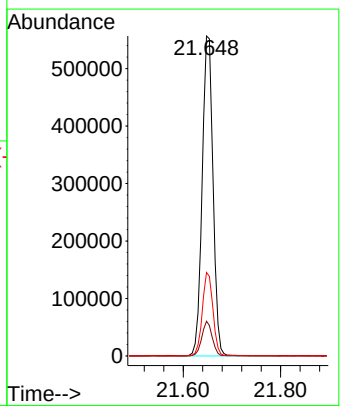


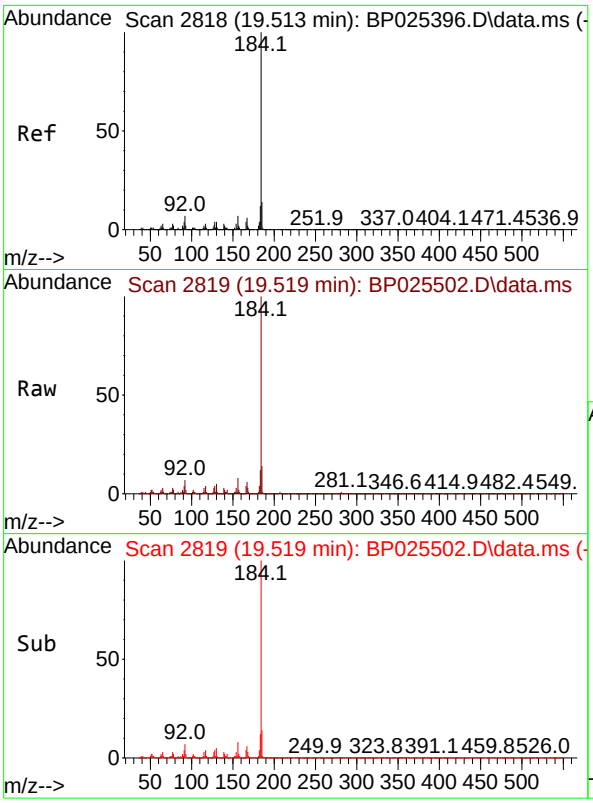


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.648 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:240 Resp: 859938

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	26.1	19.8	29.8



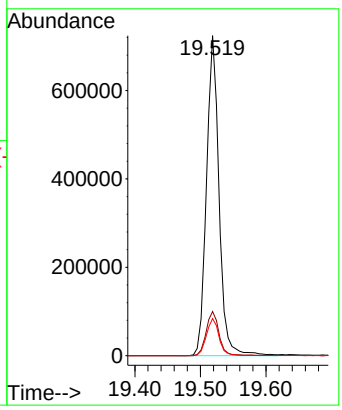


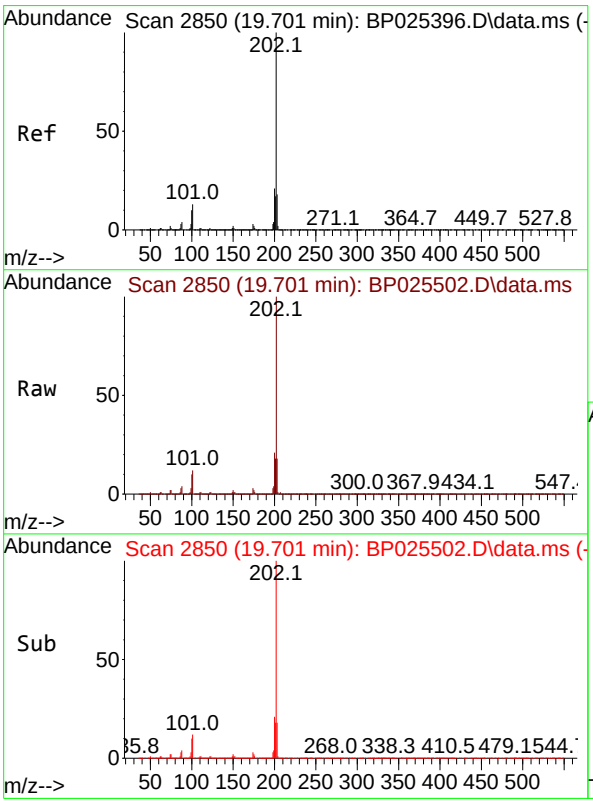
#77
Benzidine
Concen: 32.893 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 965340

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.5	17.3
183	11.6	9.4	14.2

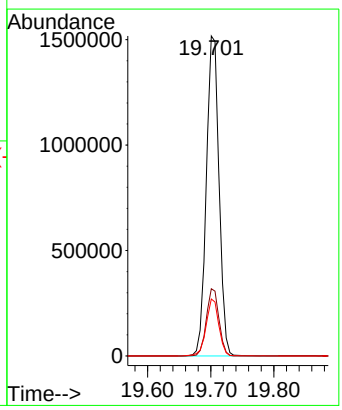


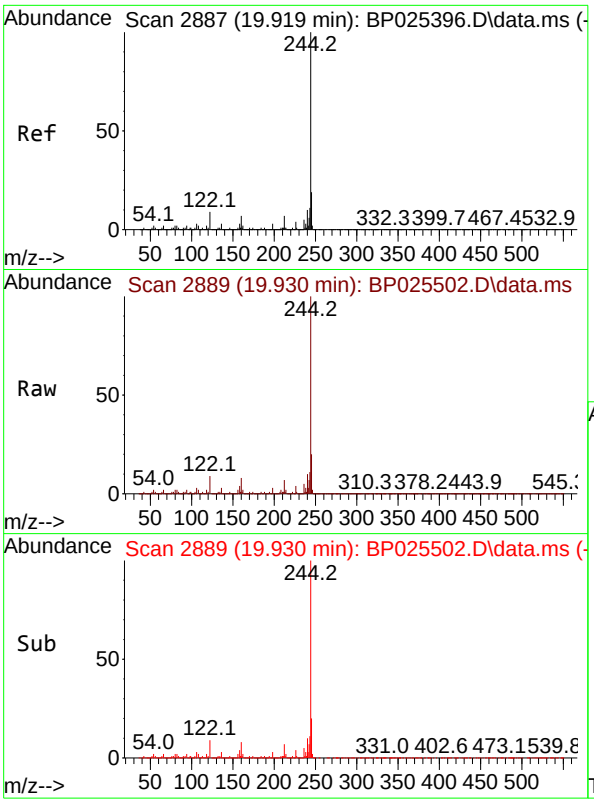


#78
Pyrene
Concen: 37.983 ng
RT: 19.701 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:202 Resp: 2123016

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.8	14.2	21.2



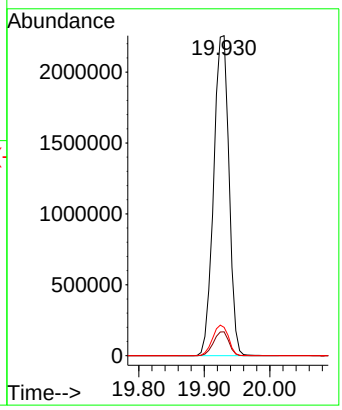


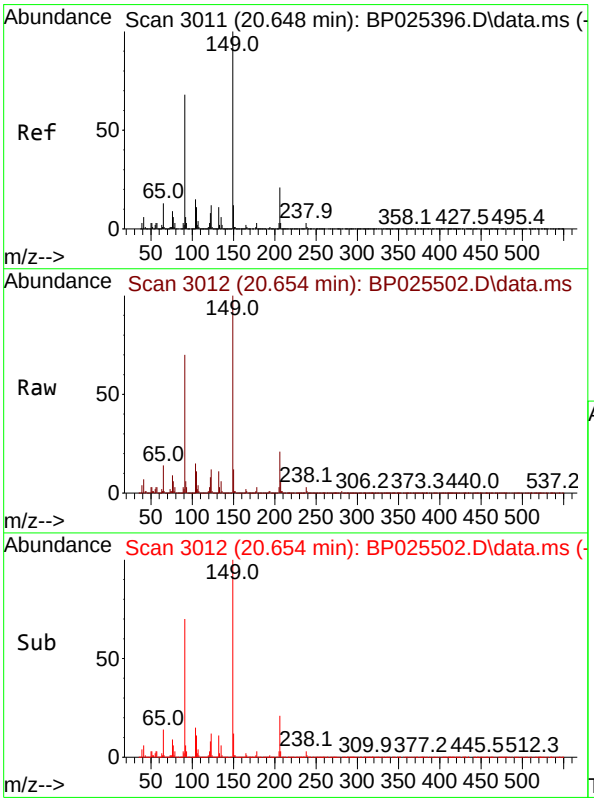
#79
Terphenyl-d14
Concen: 77.772 ng
RT: 19.930 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3655452

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	8.9	7.4	11.2

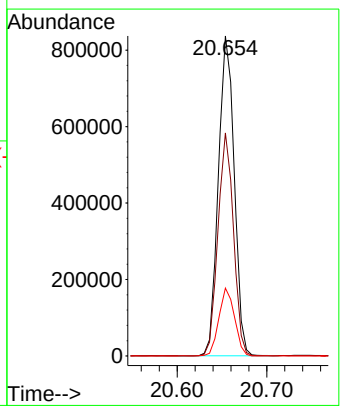


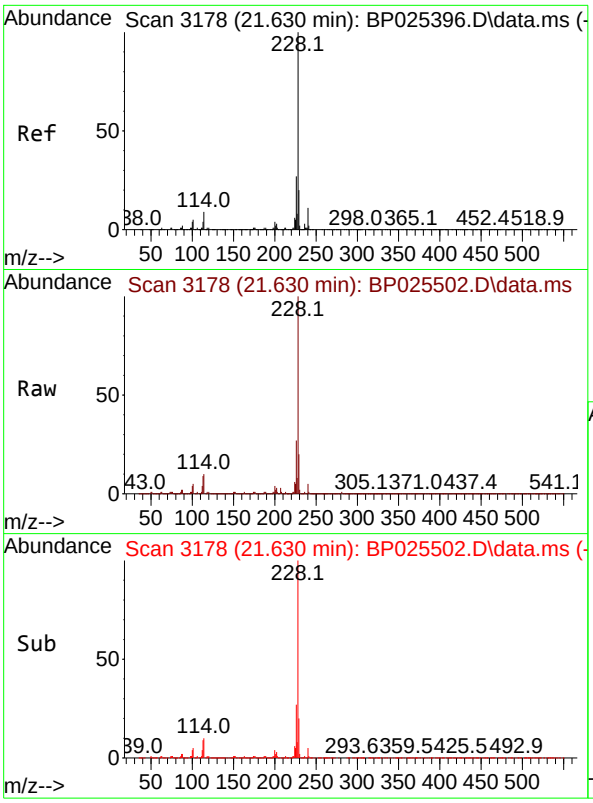


#80
Butylbenzylphthalate
Concen: 40.617 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1028893

Ion	Ratio	Lower	Upper
149	100		
91	69.7	54.2	81.2
206	21.2	16.6	24.8



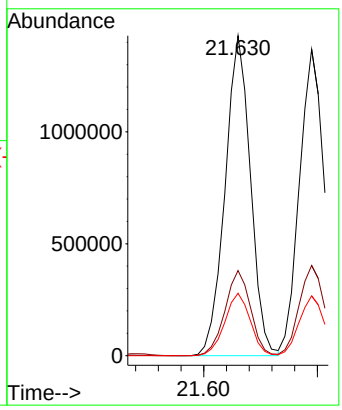


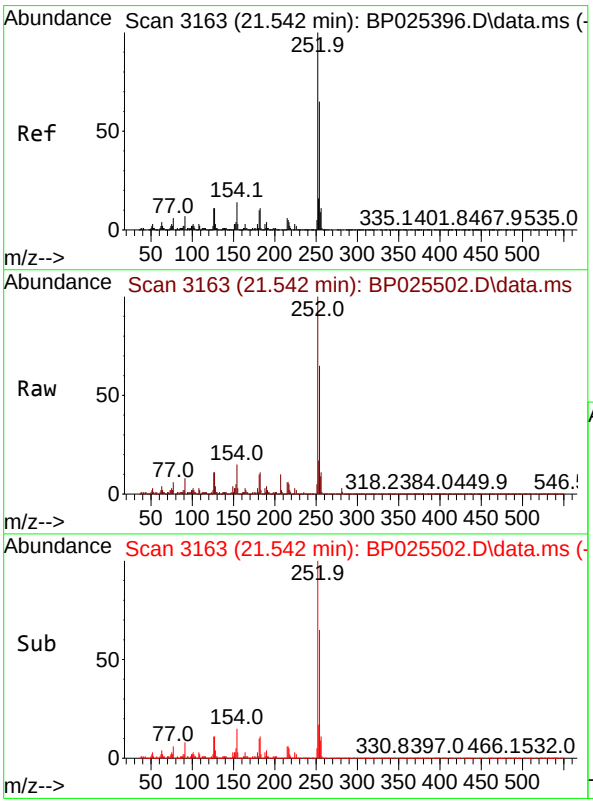
#81
Benzo(a)anthracene
Concen: 39.128 ng
RT: 21.630 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2219096

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.6	23.4

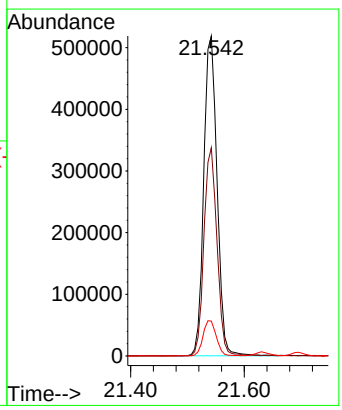


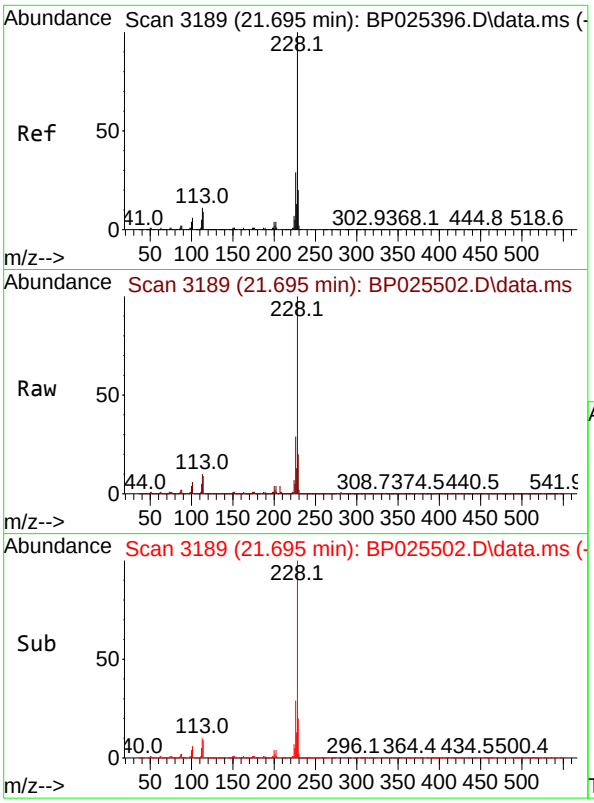


#82
3,3'-Dichlorobenzidine
Concen: 39.295 ng
RT: 21.542 min Scan# 3163
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 839996

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.8	77.6
126	10.9	9.1	13.7



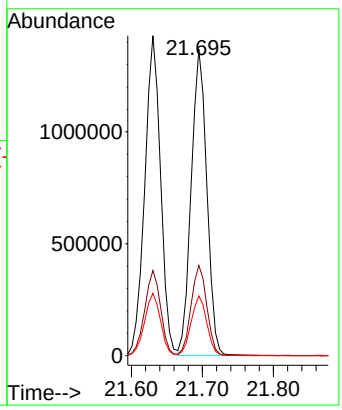


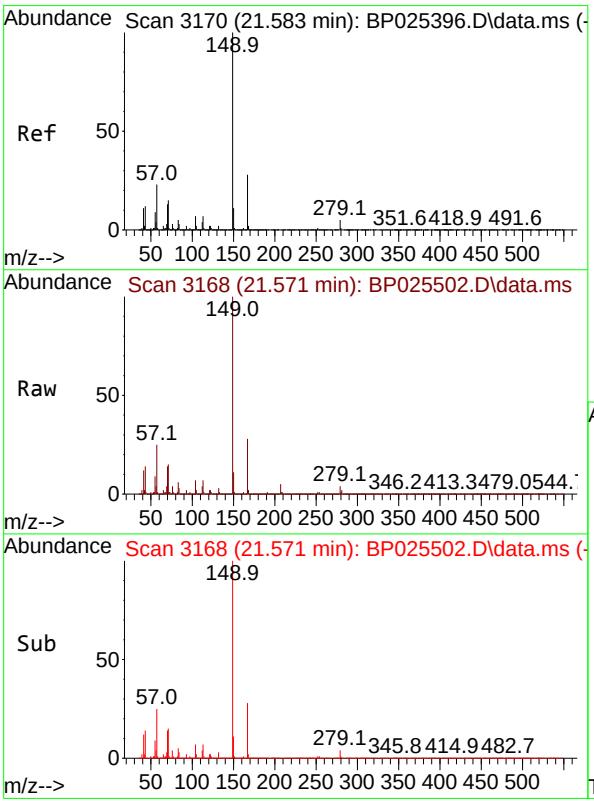
#83
Chrysene
Concen: 39.434 ng
RT: 21.695 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2094426

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	19.5	15.6	23.4

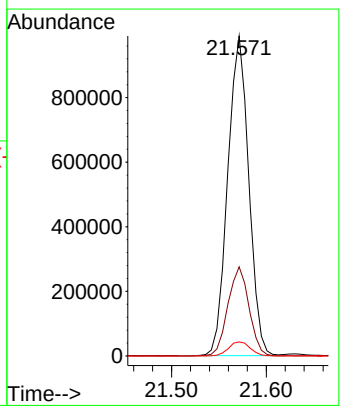


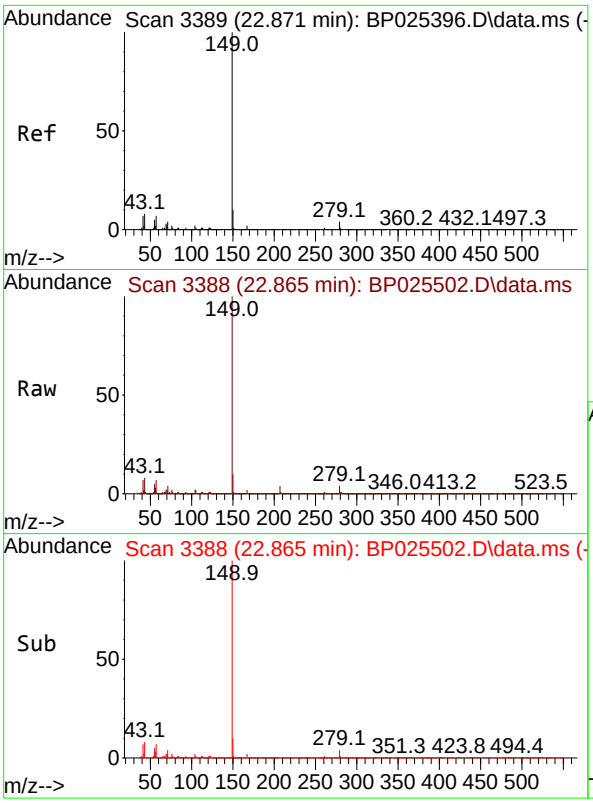


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.001 ng
RT: 21.571 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:149 Resp: 1528918

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.1	33.1
279	4.4	3.8	5.6



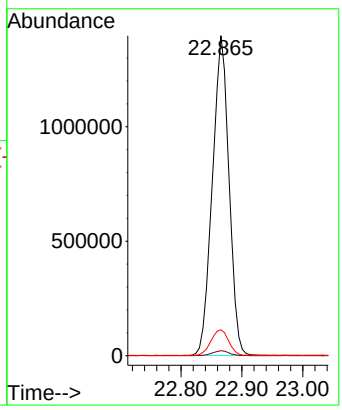


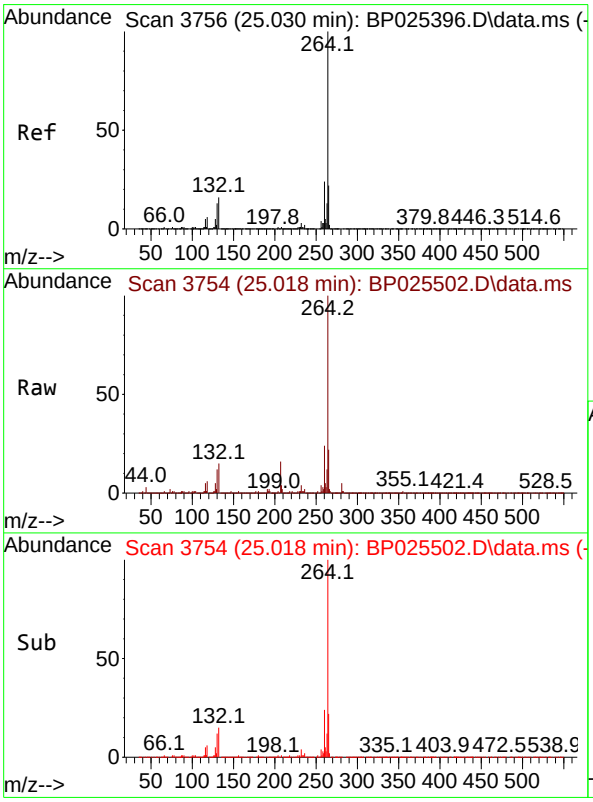
#85
Di-n-octyl phthalate
Concen: 41.280 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2647644

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.3	9.5

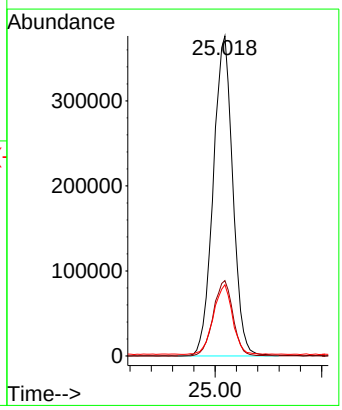


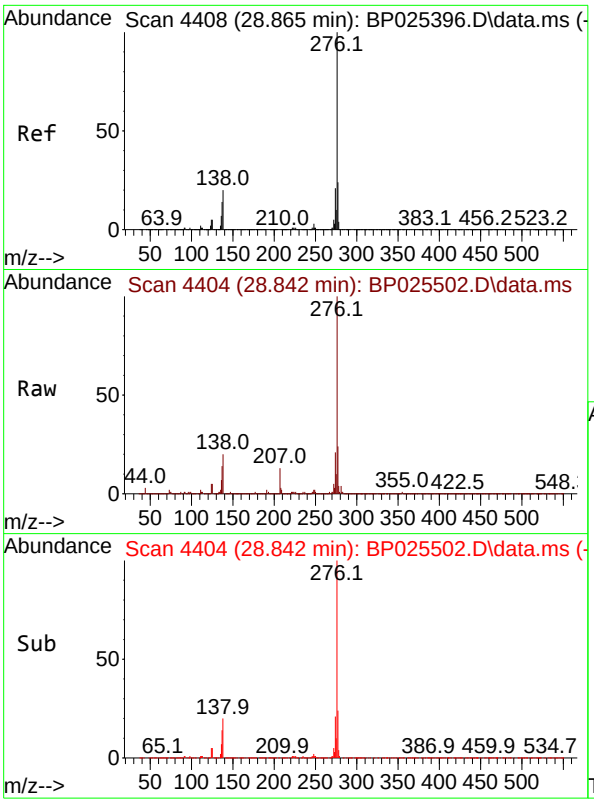


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:264 Resp: 959319

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.3	17.4	26.0



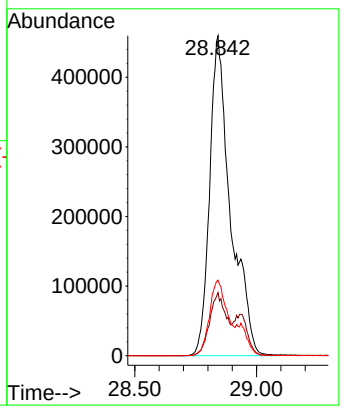


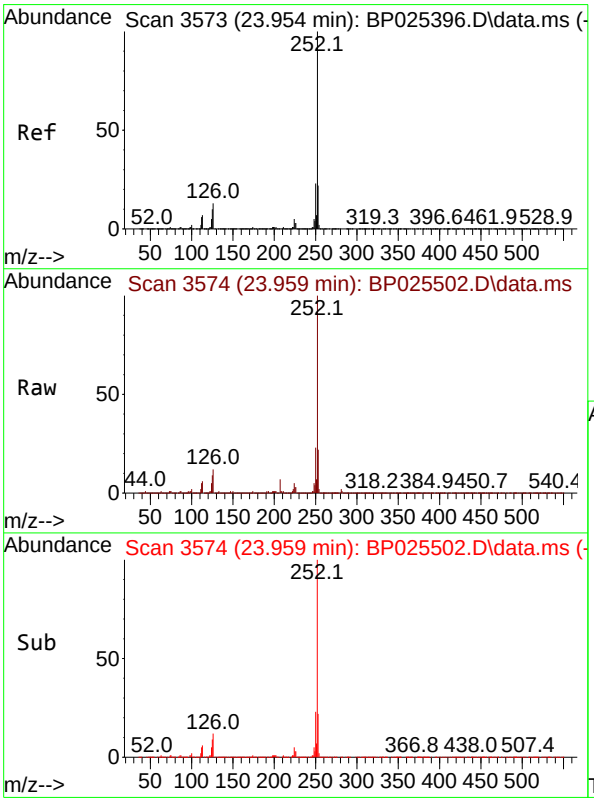
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.904 ng
RT: 28.842 min Scan# 44
Delta R.T. -0.024 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2736984

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.9	19.3
277	20.3	17.0	25.6

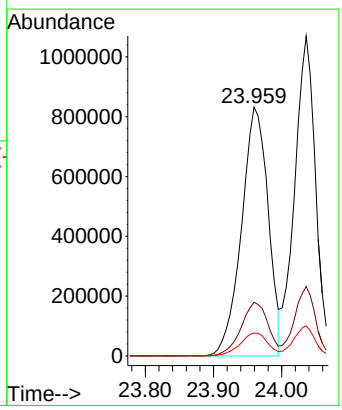


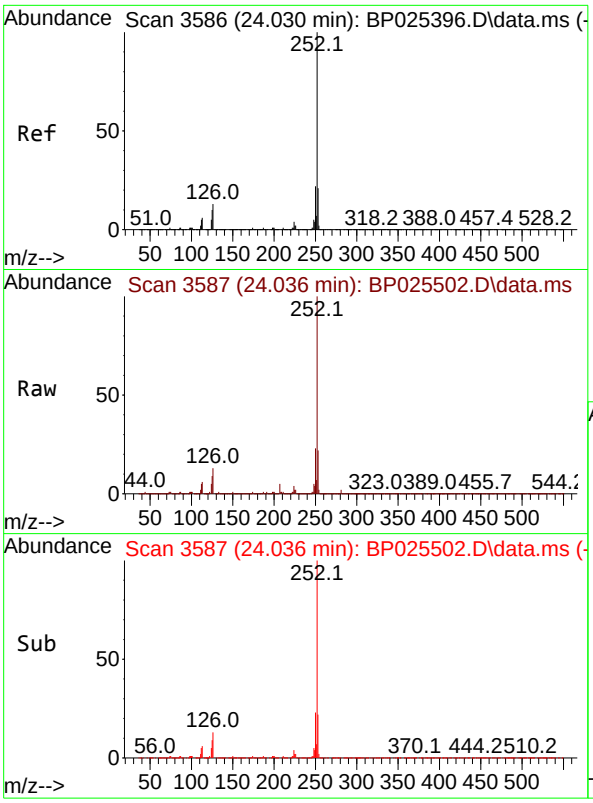


#88
Benzo(b)fluoranthene
Concen: 39.777 ng
RT: 23.959 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2250091

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.2	7.9	11.9



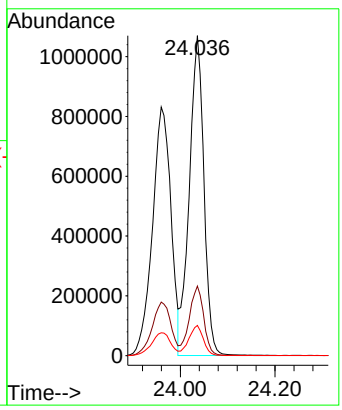


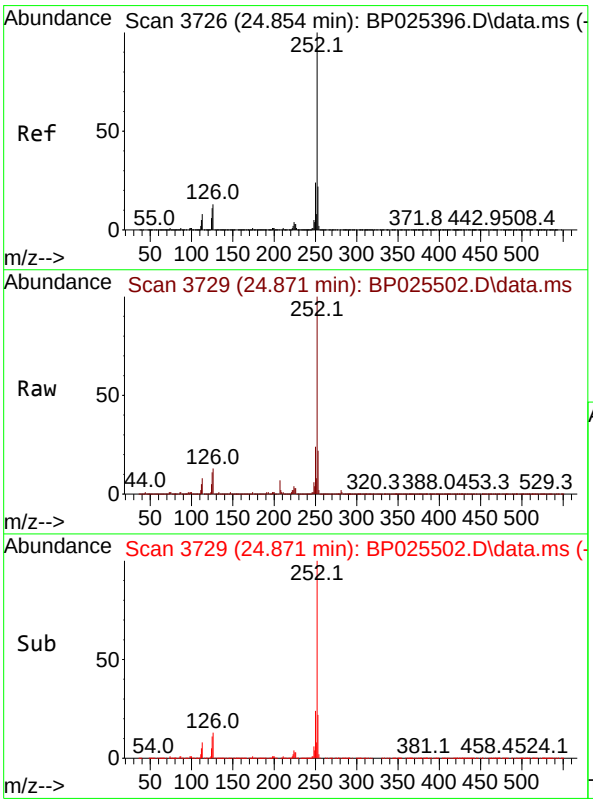
#89
Benzo(k)fluoranthene
Concen: 40.536 ng
RT: 24.036 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2294595

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	9.5	7.8	11.6

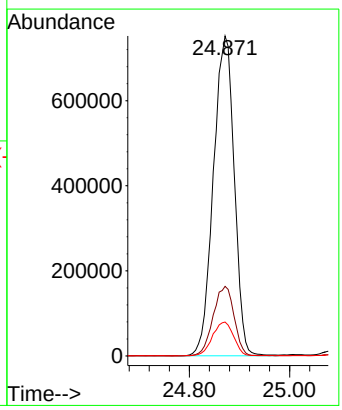


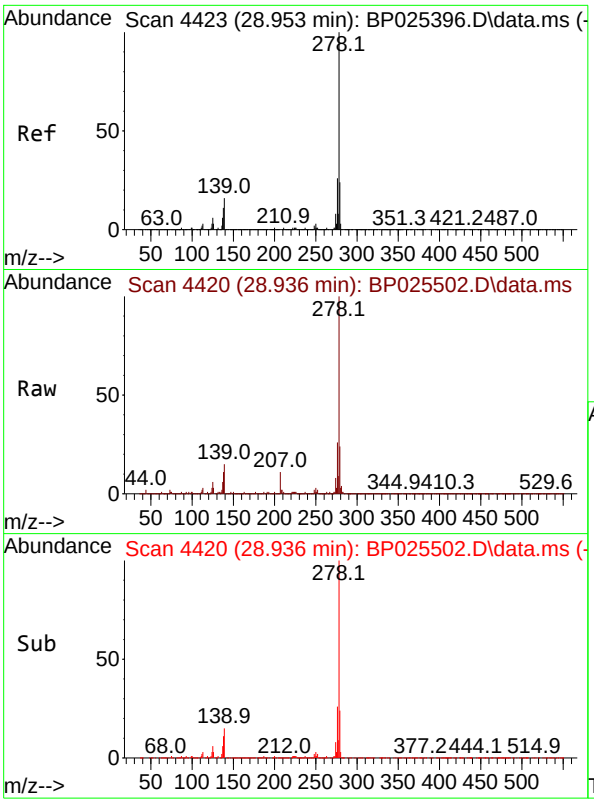


#90
Benzo(a)pyrene
Concen: 39.490 ng
RT: 24.871 min Scan# 3729
Delta R.T. 0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:252 Resp: 2174497

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.6	8.7	13.1



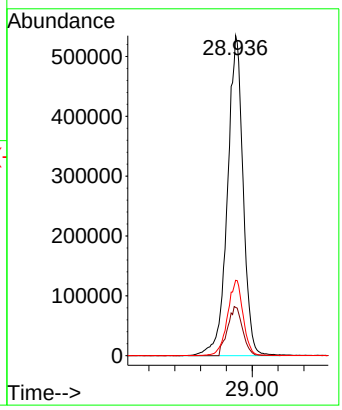


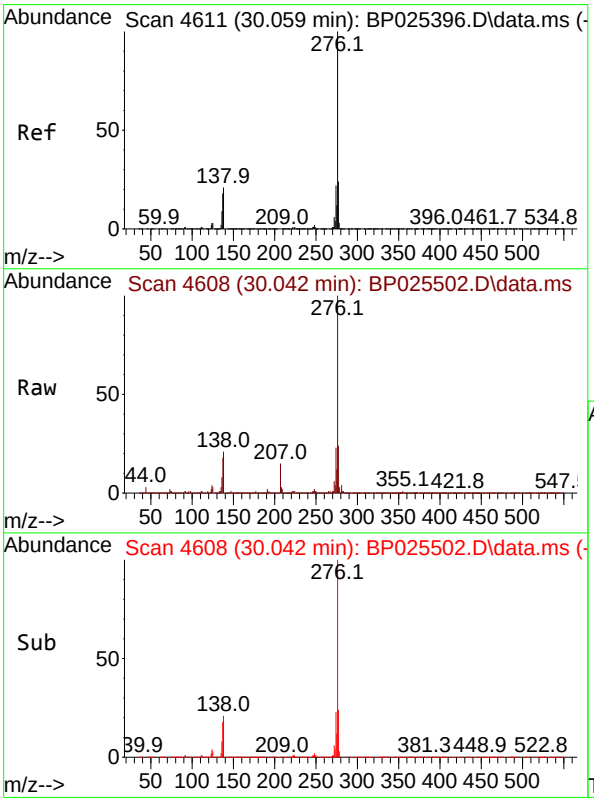
#91
Dibenzo(a,h)anthracene
Concen: 39.346 ng
RT: 28.936 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2262080

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	23.5	19.4	29.2

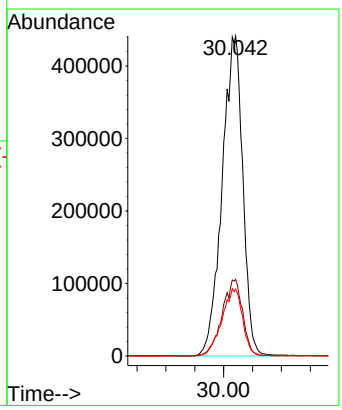




#92
Benzo(g,h,i)perylene
Concen: 38.659 ng
RT: 30.042 min Scan# 4608
Delta R.T. -0.018 min
Lab File: BP025502.D
Acq: 20 Aug 2025 10:41

Tgt Ion:276 Resp: 2184778

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	20.9	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	196853	20.000	ng		0.00
21) Naphthalene-d8	10.555	136	796434	20.000	ng		0.00
39) Acenaphthene-d10	14.407	164	542391	20.000	ng		0.00
64) Phenanthrene-d10	17.207	188	1090849	20.000	ng		0.00
76) Chrysene-d12	21.642	240	892873	20.000	ng		0.00
86) Perylene-d12	25.024	264	958463	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1211281	102.187	ng		0.00
7) Phenol-d6	6.972	99	1591692	104.735	ng		0.00
23) Nitrobenzene-d5	8.931	82	1023958	65.037	ng		0.00
42) 2,4,6-Tribromophenol	15.913	330	771618	105.692	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	2319713	58.451	ng		0.00
79) Terphenyl-d14	19.925	244	3434227	70.370	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	174087	37.494	ng		96
3) Pyridine	3.725	79	483273	38.028	ng		95
4) n-Nitrosodimethylamine	3.631	42	256777	49.010	ng		90
6) Aniline	7.125	93	752387	36.745	ng		99
8) 2-Chlorophenol	7.366	128	652515	48.782	ng		100
9) Benzaldehyde	6.937	77	299983	28.174	ng		97
10) Phenol	7.002	94	788903	49.471	ng		97
11) bis(2-Chloroethyl)ether	7.219	93	565023	45.459	ng		99
12) 1,3-Dichlorobenzene	7.678	146	658534	44.648	ng		97
13) 1,4-Dichlorobenzene	7.825	146	666221	44.192	ng		98
14) 1,2-Dichlorobenzene	8.137	146	650052	44.544	ng		99
15) Benzyl Alcohol	8.025	79	586521	48.572	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.308	45	772444	46.392	ng		99
17) 2-Methylphenol	8.225	107	541309	48.875	ng		98
18) Hexachloroethane	8.861	117	253613	45.754	ng		99
19) n-Nitroso-di-n-propyla...	8.584	70	447356	44.440	ng		97
20) 3+4-Methylphenols	8.549	107	747172	48.669	ng		98
22) Acetophenone	8.602	105	925700	46.348	ng	#	98
24) Nitrobenzene	8.972	77	669544	47.583	ng		99
25) Isophorone	9.502	82	1291341	46.346	ng		98
26) 2-Nitrophenol	9.678	139	359110	49.729	ng		99
27) 2,4-Dimethylphenol	9.743	122	616027	49.605	ng		97
28) bis(2-Chloroethoxy)met...	9.966	93	792282	47.040	ng		98
29) 2,4-Dichlorophenol	10.213	162	629551	51.032	ng		98
30) 1,2,4-Trichlorobenzene	10.425	180	608202	44.974	ng		98
31) Naphthalene	10.607	128	1888650	45.625	ng		99
32) Benzoic acid	9.908	122	515480	56.224	ng		96
33) 4-Chloroaniline	10.713	127	450951	24.662	ng		99
34) Hexachlorobutadiene	10.896	225	388664	46.148	ng		99
35) Caprolactam	11.507	113	202272	44.716	ng		97
36) 4-Chloro-3-methylphenol	11.843	107	734853	51.912	ng		95
37) 2-Methylnaphthalene	12.213	142	1263780	46.913	ng		99
38) 1-Methylnaphthalene	12.437	142	1302740	45.474	ng		100
40) 1,2,4,5-Tetrachloroben...	12.590	216	702998	44.877	ng		99
41) Hexachlorocyclopentadiene	12.566	237	844610	89.262	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	529135	50.034	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	592451	51.115	ng	99
46) 1,1'-Biphenyl	13.225	154	1816843	46.123	ng	98
47) 2-Chloronaphthalene	13.272	162	1392441	45.407	ng	100
48) 2-Nitroaniline	13.466	65	470973	52.709	ng	96
49) Acenaphthylene	14.125	152	2335961	46.035	ng	100
50) Dimethylphthalate	13.854	163	1923497	48.428	ng	99
51) 2,6-Dinitrotoluene	13.972	165	423357	50.571	ng	94
52) Acenaphthene	14.472	154	1333260	44.762	ng	99
53) 3-Nitroaniline	14.307	138	306252	32.515	ng	96
54) 2,4-Dinitrophenol	14.513	184	518294	115.933	ng	97
55) Dibenzofuran	14.807	168	2154905	45.760	ng	98
56) 4-Nitrophenol	14.631	139	779771	100.749	ng	90
57) 2,4-Dinitrotoluene	14.772	165	614566	51.453	ng	97
58) Fluorene	15.472	166	1680951	45.238	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.048	232	520533	50.862	ng	98
60) Diethylphthalate	15.237	149	1984056	49.161	ng	99
61) 4-Chlorophenyl-phenyle...	15.460	204	831152	44.976	ng	95
62) 4-Nitroaniline	15.490	138	454185	47.037	ng	94
63) Azobenzene	15.760	77	1878426	54.357	ng	99
65) 4,6-Dinitro-2-methylph...	15.548	198	350723	51.578	ng	94
66) n-Nitrosodiphenylamine	15.678	169	1571731	47.250	ng	100
67) 4-Bromophenyl-phenylether	16.372	248	585013	48.762	ng	96
68) Hexachlorobenzene	16.495	284	647628	46.567	ng	97
69) Atrazine	16.654	200	609543	48.929	ng	97
70) Pentachlorophenol	16.854	266	874797	99.646	ng	98
71) Phenanthrene	17.248	178	2736199	45.661	ng	99
72) Anthracene	17.337	178	2877852	47.028	ng	100
73) Carbazole	17.619	167	2644146	45.874	ng	99
74) Di-n-butylphthalate	18.213	149	3447802	48.618	ng	100
75) Fluoranthene	19.331	202	3141701	43.953	ng	98
77) Benzidine	19.519	184	1326808	43.542	ng	100
78) Pyrene	19.701	202	3208701	55.290	ng	100
80) Butylbenzylphthalate	20.654	149	1400983	53.266	ng	98
81) Benzo(a)anthracene	21.625	228	2805279	47.640	ng	100
82) 3,3'-Dichlorobenzidine	21.536	252	732910	33.021	ng	99
83) Chrysene	21.689	228	2621789	47.543	ng	99
84) Bis(2-ethylhexyl)phtha...	21.566	149	1896634	48.987	ng	100
85) Di-n-octyl phthalate	22.854	149	3136775	47.102	ng	99
87) Indeno(1,2,3-cd)pyrene	28.854	276	3107131	44.205	ng	94
88) Benzo(b)fluoranthene	23.960	252	2744537	48.561	ng	99
89) Benzo(k)fluoranthene	24.042	252	2665398	47.128	ng	99
90) Benzo(a)pyrene	24.866	252	2619564	47.615	ng	100
91) Dibenzo(a,h)anthracene	28.936	278	2852762	49.664	ng	99
92) Benzo(g,h,i)perylene	30.048	276	2821095	49.963	ng	98

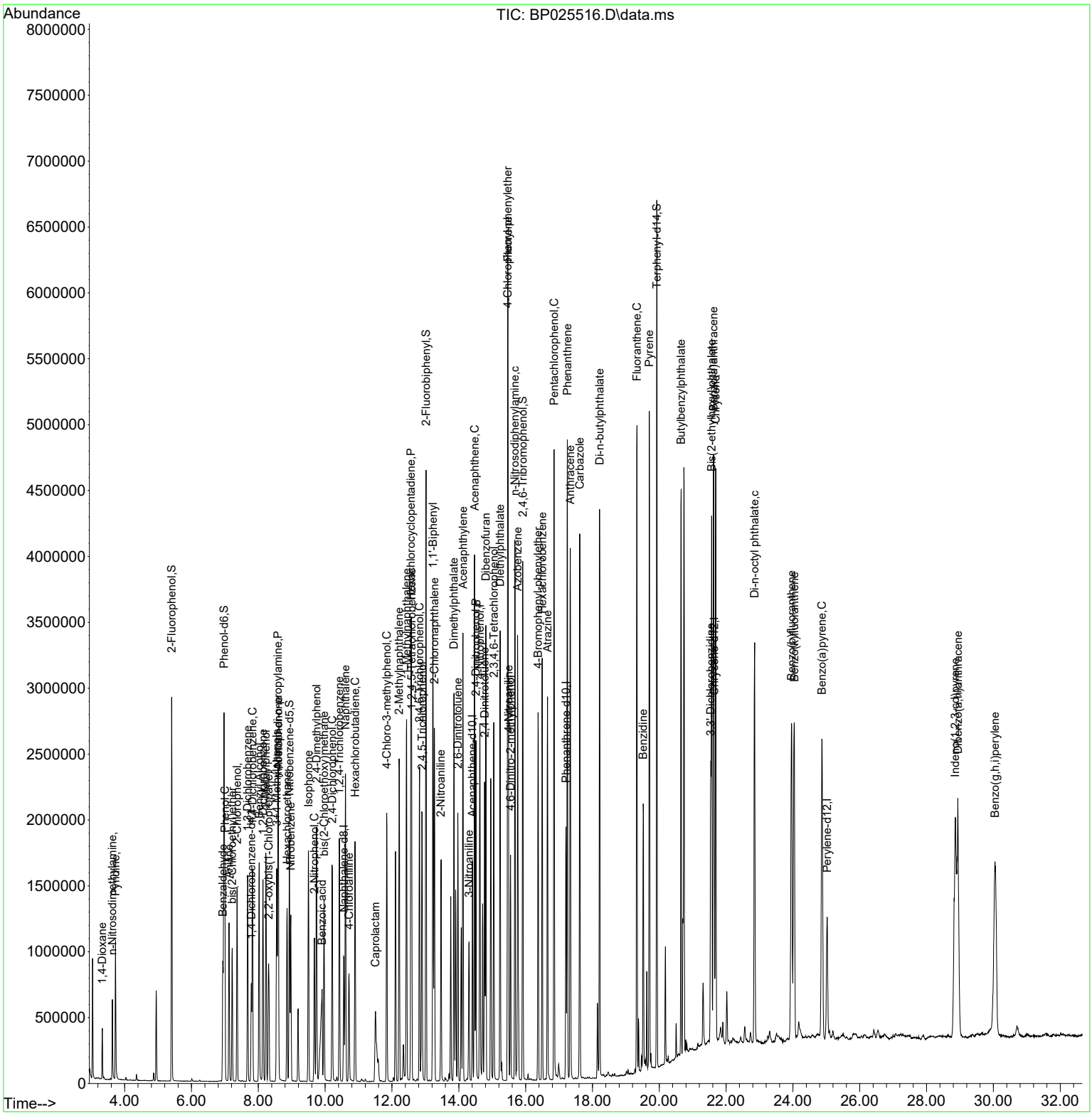
(#) = qualifier out of range (m) = manual integration (+) = signals summed

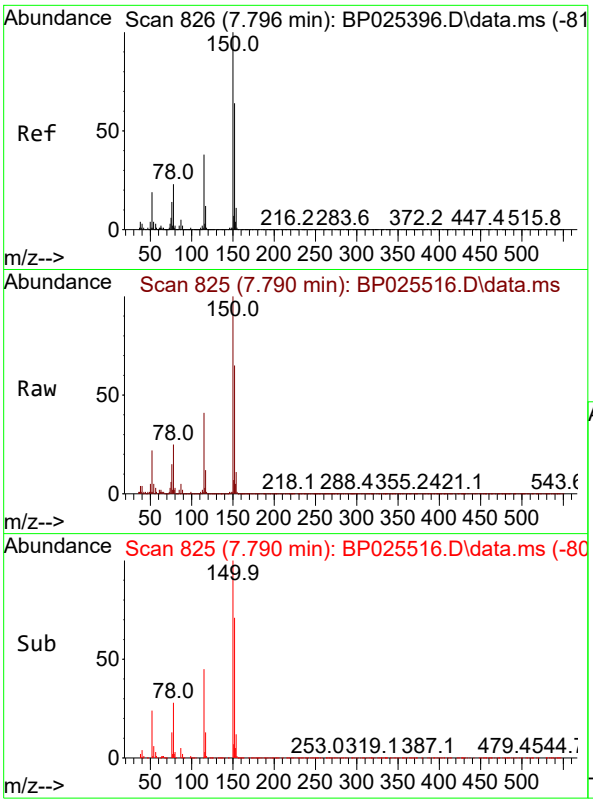
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025516.D
Acq On : 20 Aug 2025 21:11
Operator : CG/JU
Sample : Q2819-03MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Quant Time: Aug 21 01:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



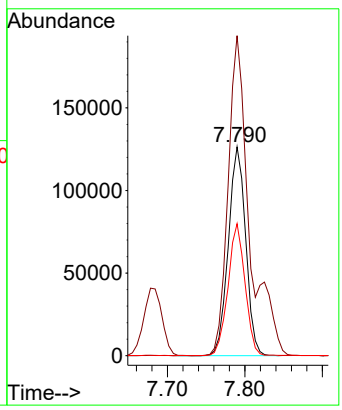


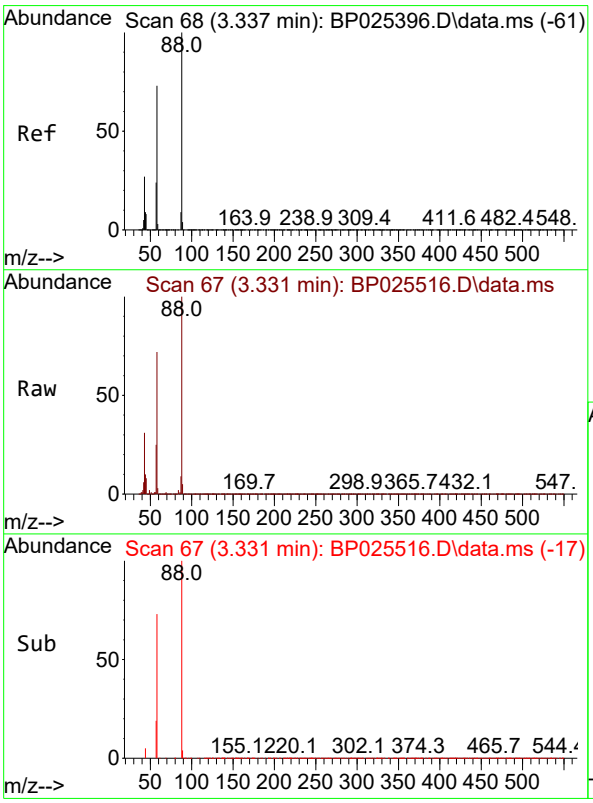
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:152 Resp: 196853

Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.9	188.9
115	63.3	48.5	72.7

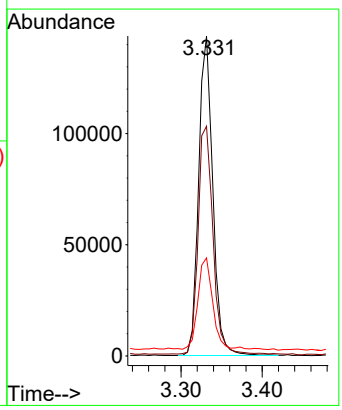


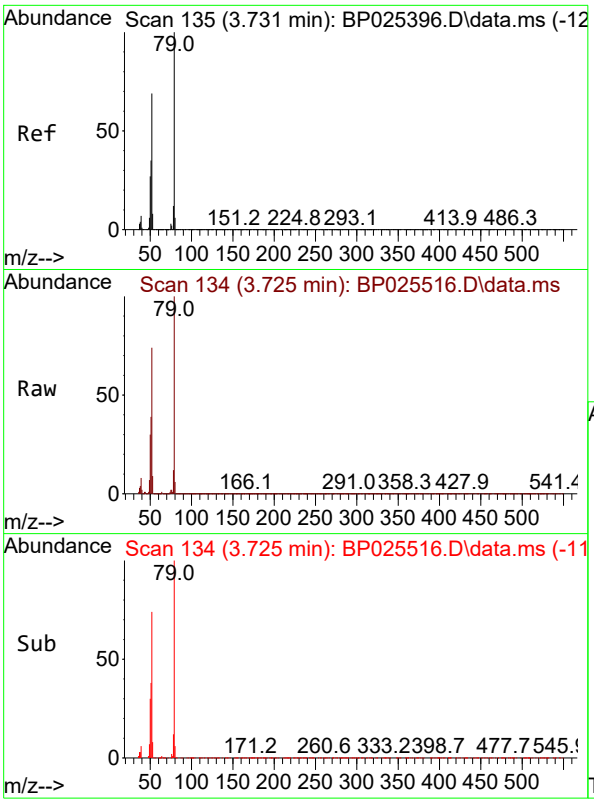


#2
1,4-Dioxane
Concen: 37.494 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 88 Resp: 174087

Ion	Ratio	Lower	Upper
88	100		
58	76.7	59.2	88.8
43	29.8	21.7	32.5



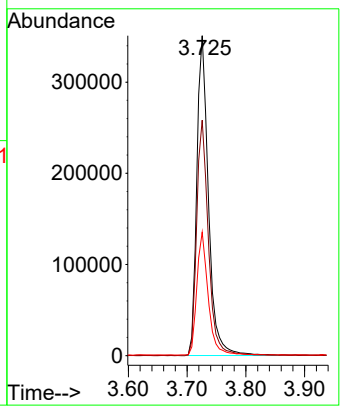


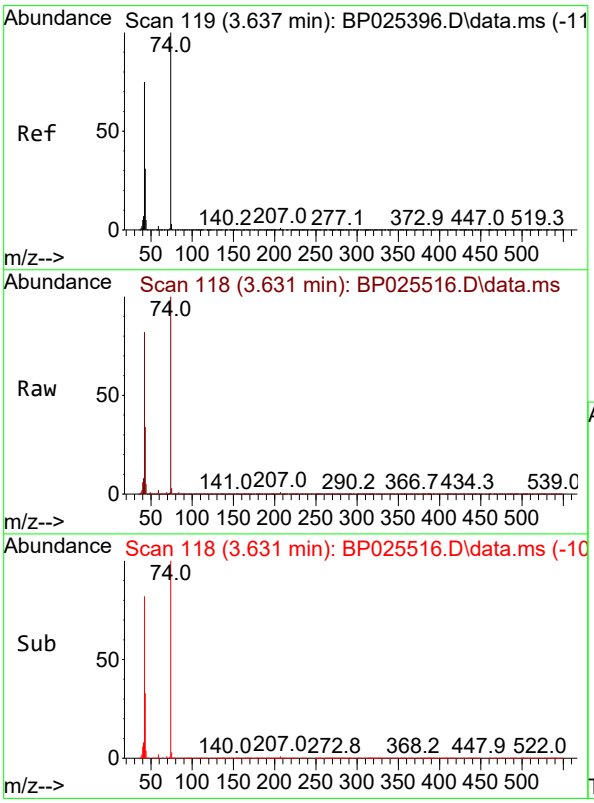
#3
Pyridine
Concen: 38.028 ng
RT: 3.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 79 Resp: 483273

Ion	Ratio	Lower	Upper
79	100		
52	73.6	55.5	83.3
51	38.6	28.3	42.5

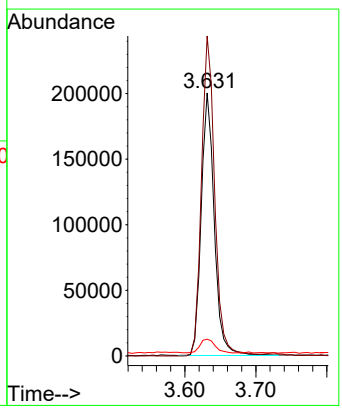


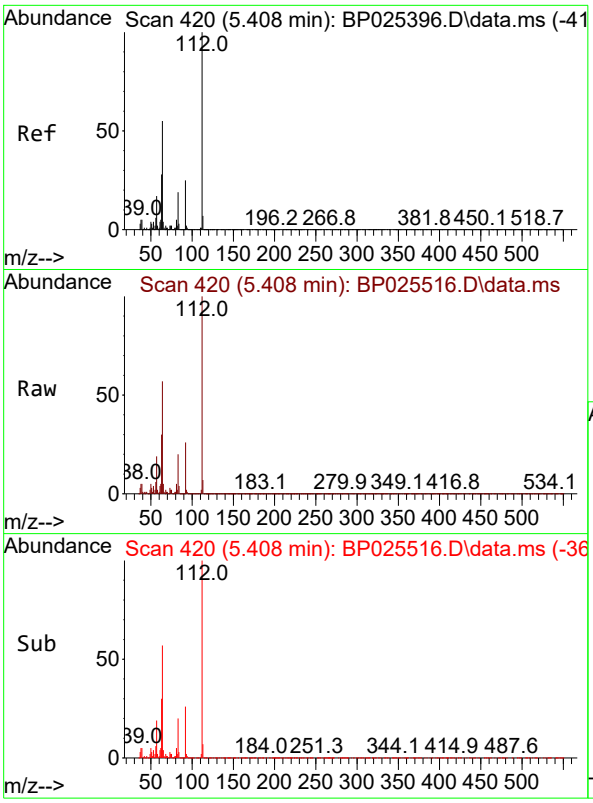


#4
n-Nitrosodimethylamine
Concen: 49.010 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 42 Resp: 256777

Ion	Ratio	Lower	Upper
42	100		
74	121.7	107.0	160.4
44	6.4	6.2	9.4



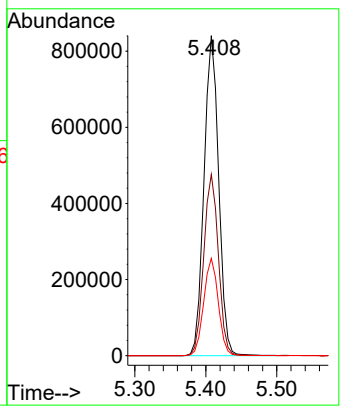


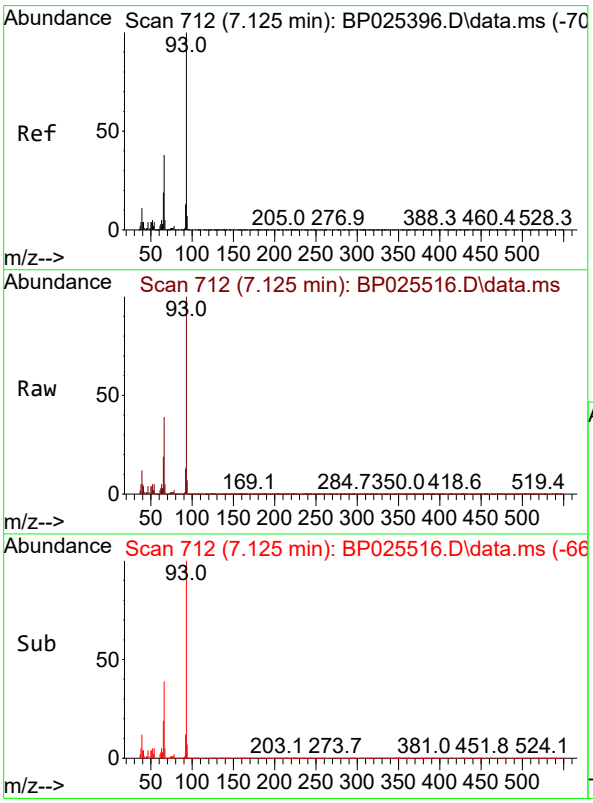
#5
2-Fluorophenol
Concen: 102.187 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:112 Resp: 1211281

Ion	Ratio	Lower	Upper
112	100		
64	56.6	43.8	65.8
63	30.4	22.7	34.1

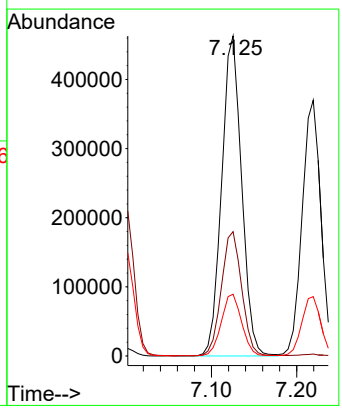


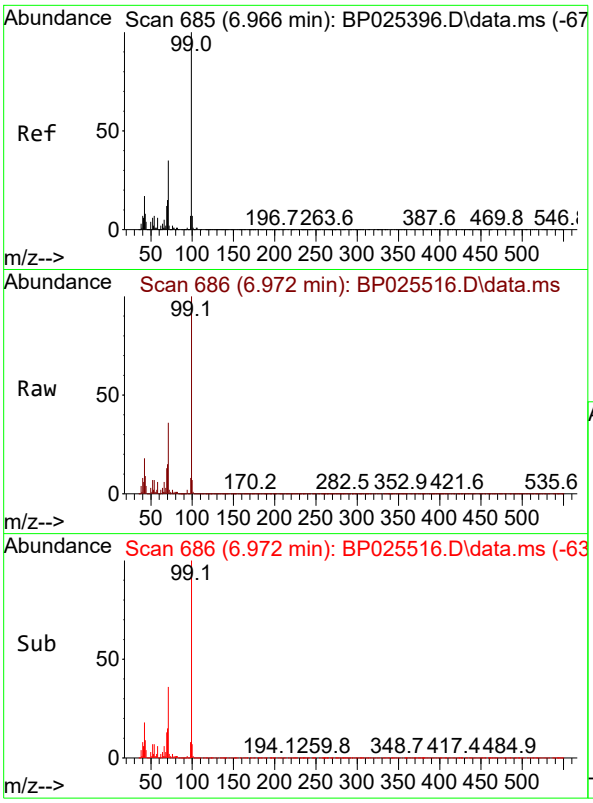


#6
Aniline
Concen: 36.745 ng
RT: 7.125 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 93 Resp: 752387

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.4	45.6
65	19.3	15.3	22.9



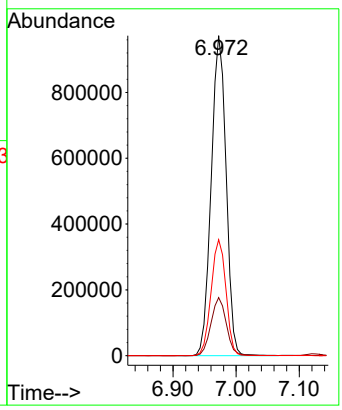


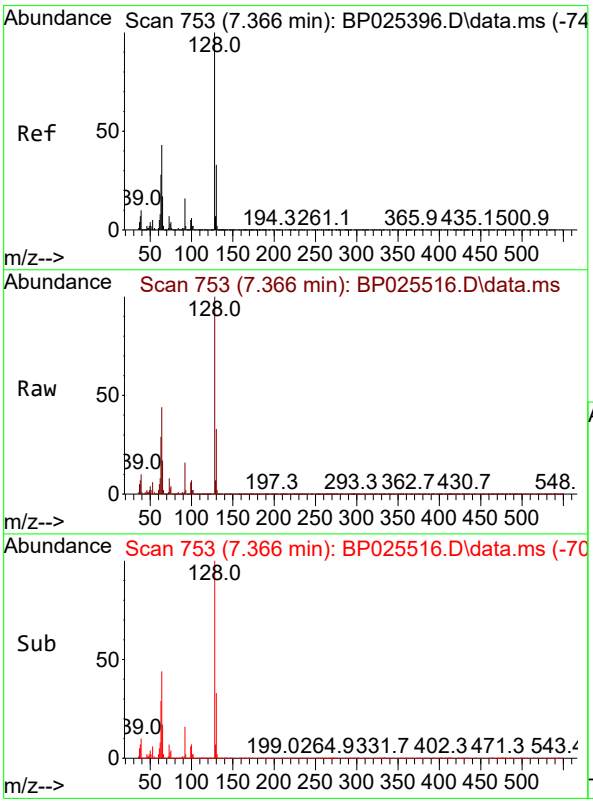
#7
Phenol-d6
Concen: 104.735 ng
RT: 6.972 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 99 Resp: 1591692

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	36.2	28.2	42.4

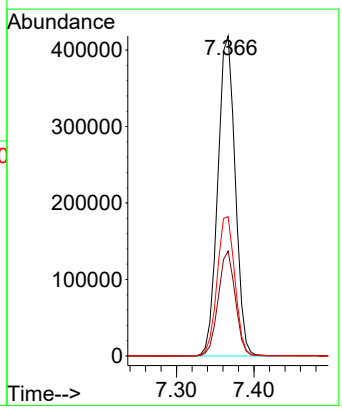


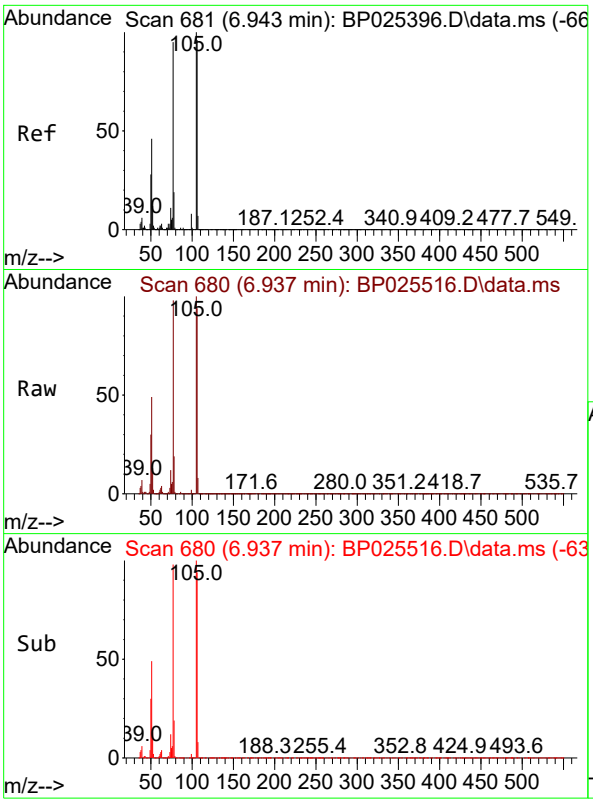


#8
2-Chlorophenol
Concen: 48.782 ng
RT: 7.366 min Scan# 753
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:128 Resp: 652515

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	43.6	23.4	63.4



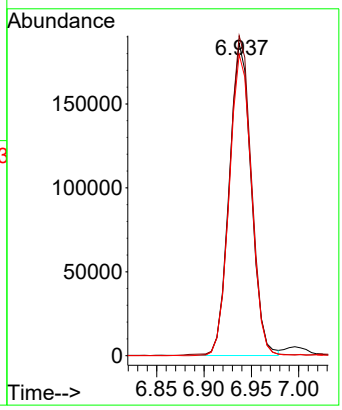


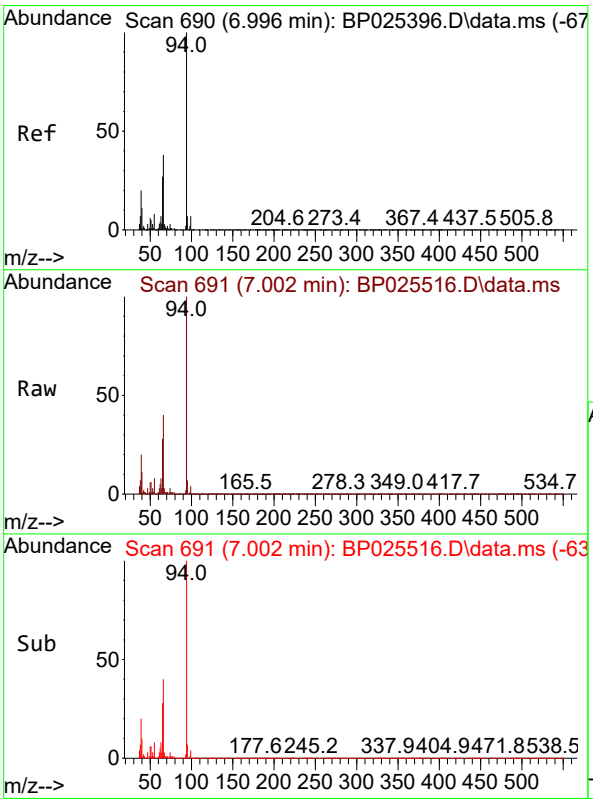
#9
Benzaldehyde
Concen: 28.174 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 77 Resp: 299983

Ion	Ratio	Lower	Upper
77	100		
105	102.5	84.8	124.8
106	96.5	80.5	120.5

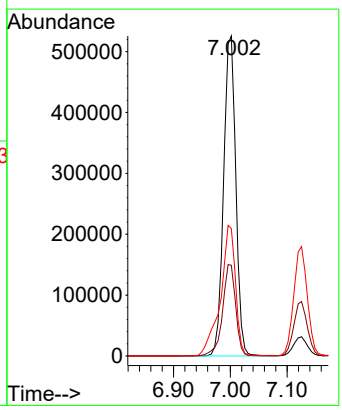


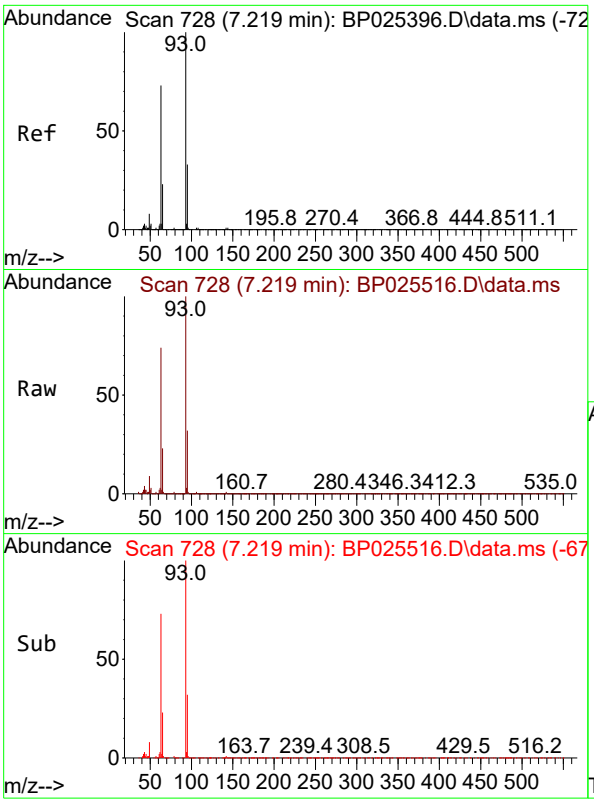


#10
Phenol
Concen: 49.471 ng
RT: 7.002 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 94 Resp: 788903

Ion	Ratio	Lower	Upper
94	100		
65	28.3	6.8	46.8
66	39.9	18.2	58.2



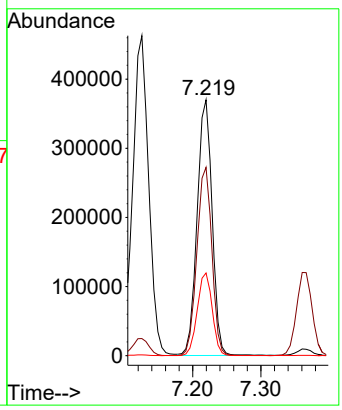


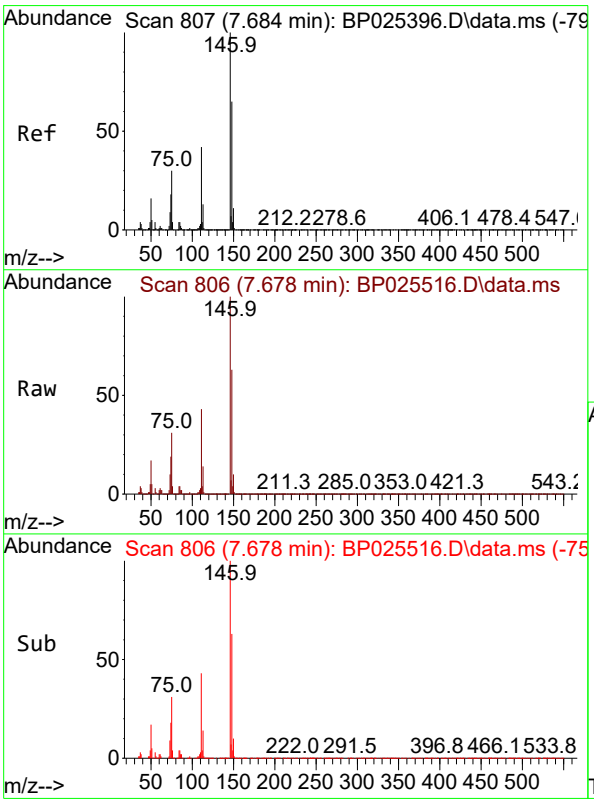
#11
bis(2-Chloroethyl)ether
Concen: 45.459 ng
RT: 7.219 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 93 Resp: 565023

Ion	Ratio	Lower	Upper
93	100		
63	73.6	52.6	92.6
95	32.3	12.7	52.7

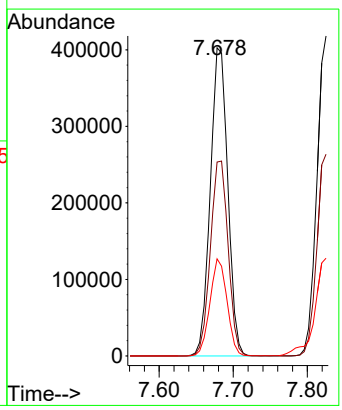


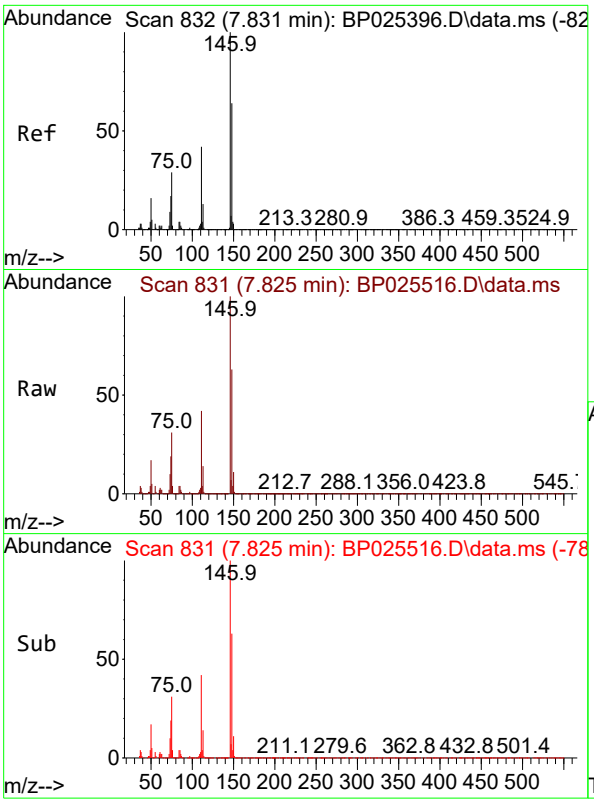


#12
1,3-Dichlorobenzene
Concen: 44.648 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:146 Resp: 658534

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
75	31.5	23.7	35.5



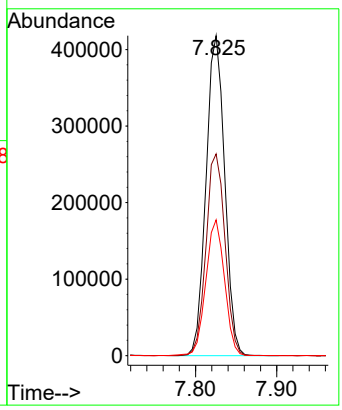


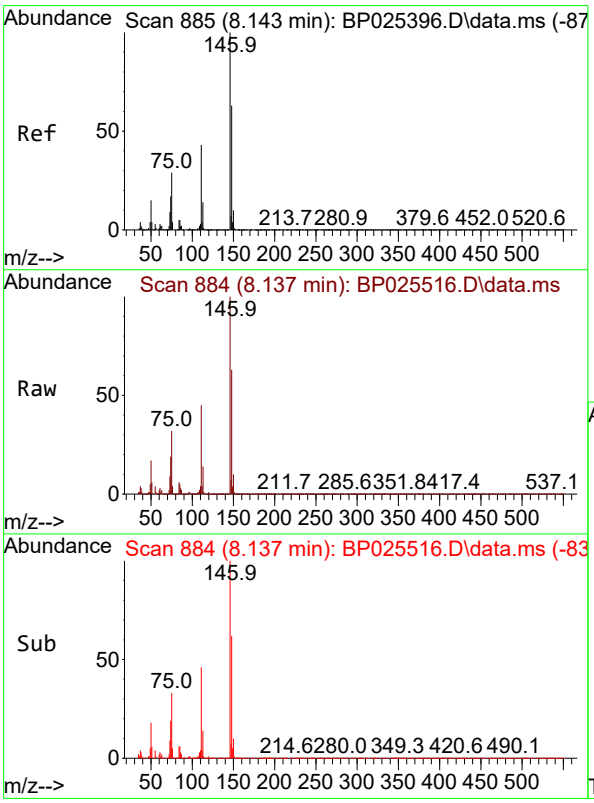
#13
1,4-Dichlorobenzene
Concen: 44.192 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:146 Resp: 666221

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
111	42.5	33.4	50.0

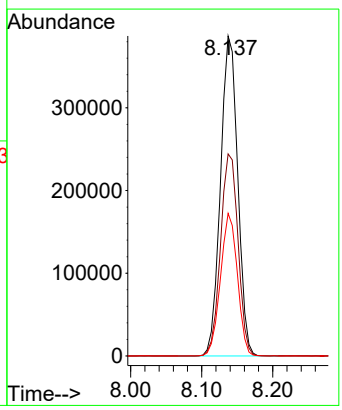


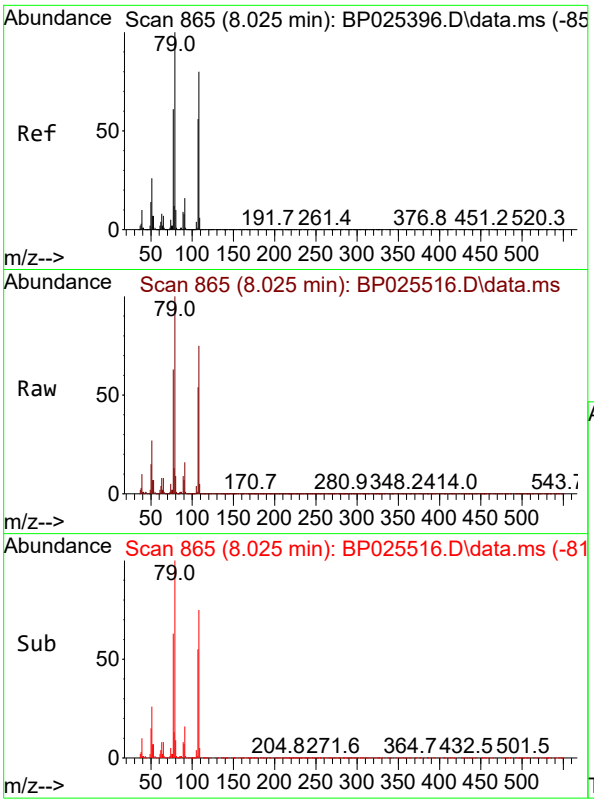


#14
1,2-Dichlorobenzene
Concen: 44.544 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:146 Resp: 650052

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	44.6	34.5	51.7



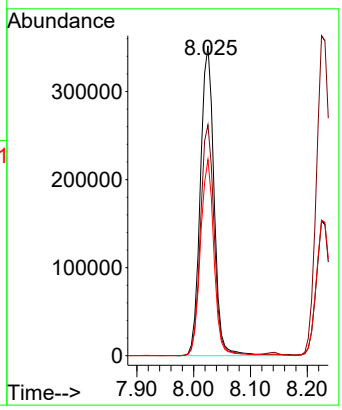


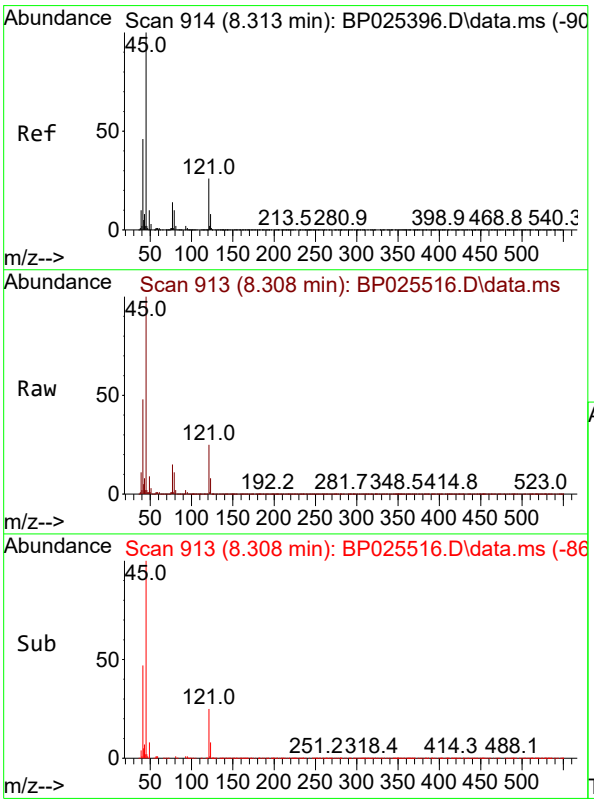
#15
Benzyl Alcohol
Concen: 48.572 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 79 Resp: 586521

Ion	Ratio	Lower	Upper
79	100		
108	74.5	63.8	95.6
77	63.3	49.0	73.4

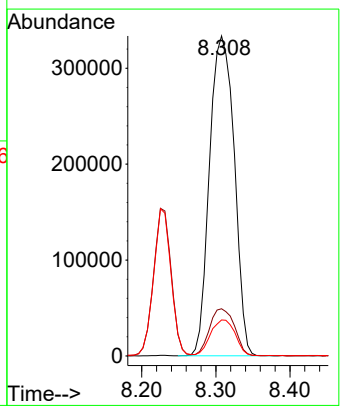


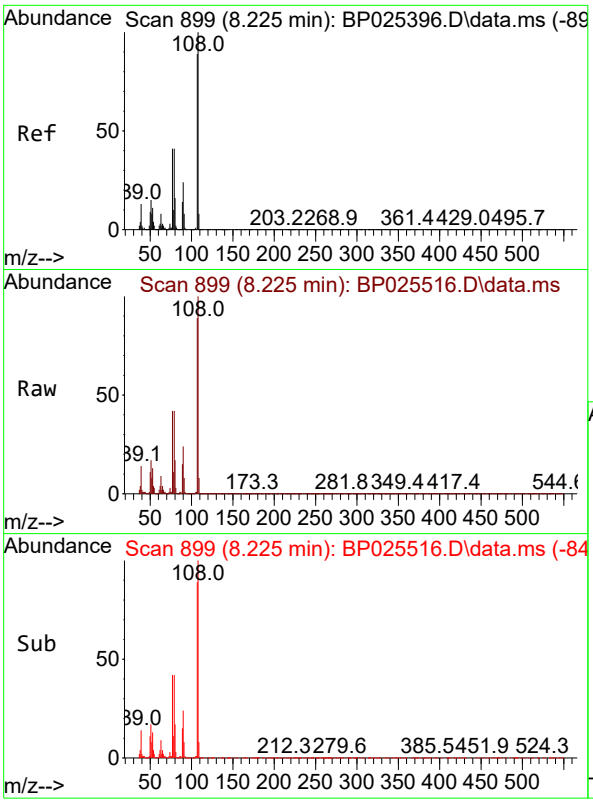


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.392 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 45 Resp: 772444

Ion	Ratio	Lower	Upper
45	100		
77	14.8	0.0	35.3
79	11.2	0.0	31.8



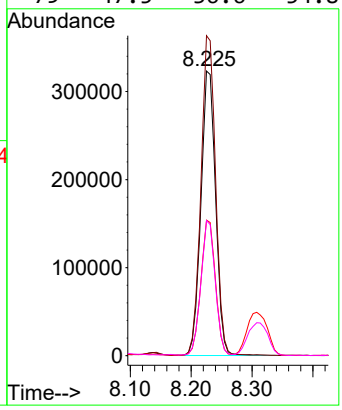


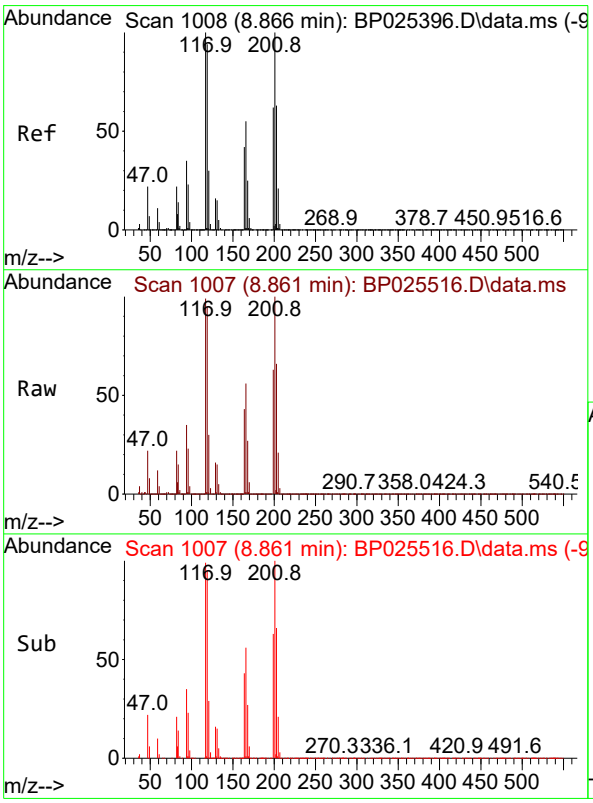
#17
2-Methylphenol
Concen: 48.875 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:107 Resp: 541309

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.4	134.0
77	47.6	36.3	54.5
79	47.5	36.6	54.8

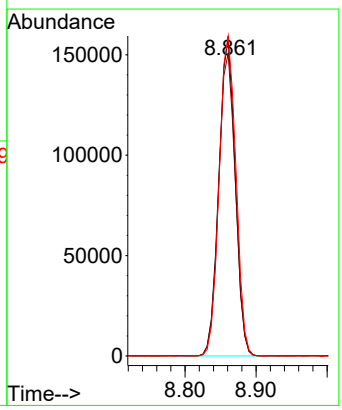


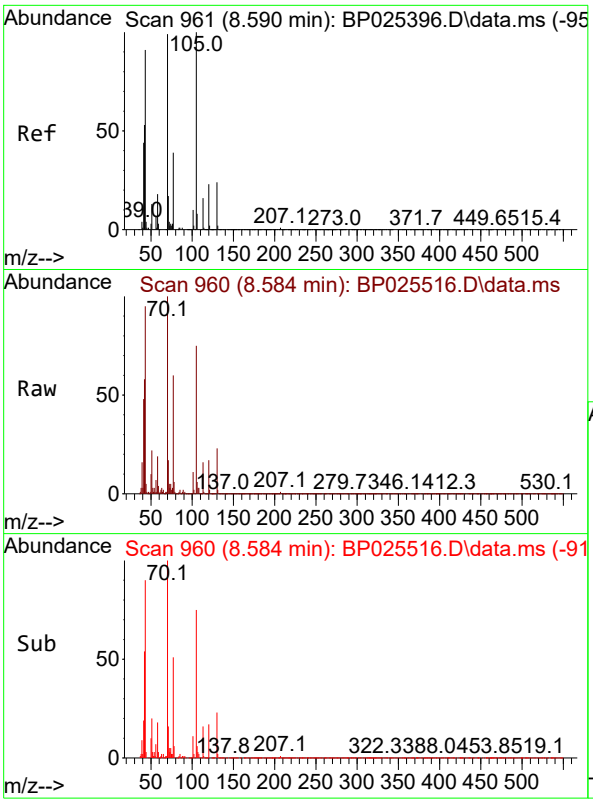


#18
Hexachloroethane
Concen: 45.754 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:117 Resp: 253613

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.1	112.7
201	100.8	80.1	120.1



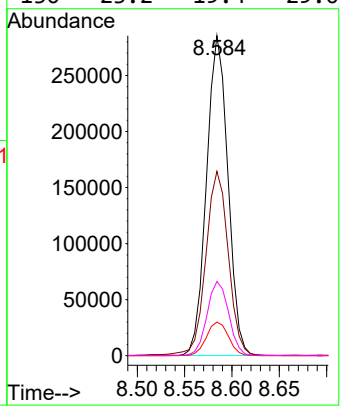


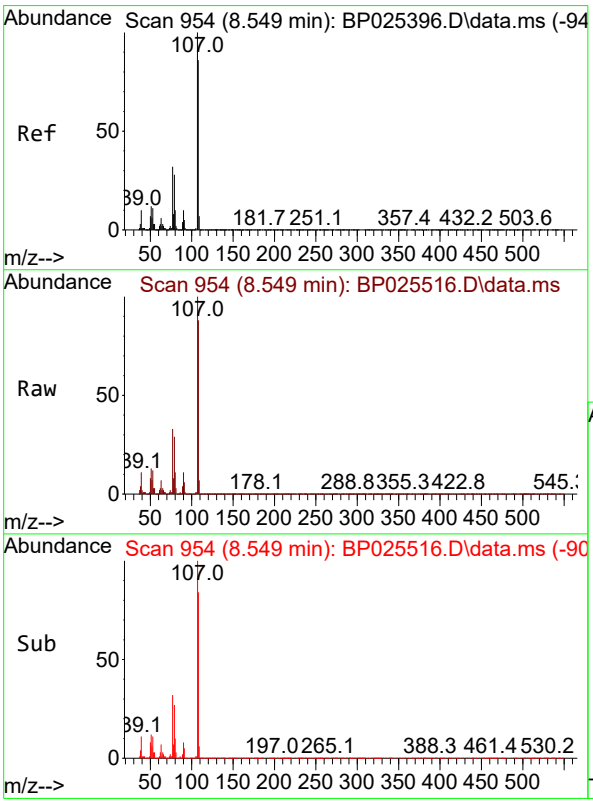
#19
n-Nitroso-di-n-propylamine
Concen: 44.440 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 70 Resp: 447356

Ion	Ratio	Lower	Upper
70	100		
42	57.6	43.8	65.6
101	10.5	8.5	12.7
130	23.2	19.4	29.0

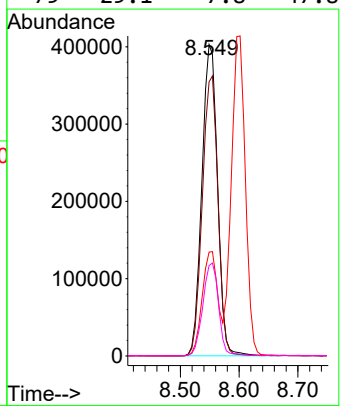


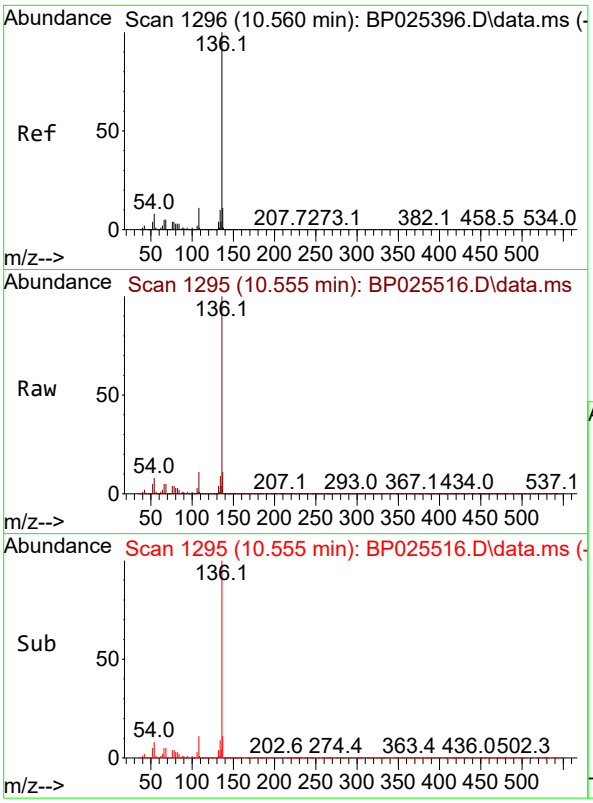


#20
3+4-Methylphenols
Concen: 48.669 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:107 Resp: 747172

Ion	Ratio	Lower	Upper
107	100		
108	88.0	66.3	106.3
77	33.3	12.3	52.3
79	29.1	7.8	47.8



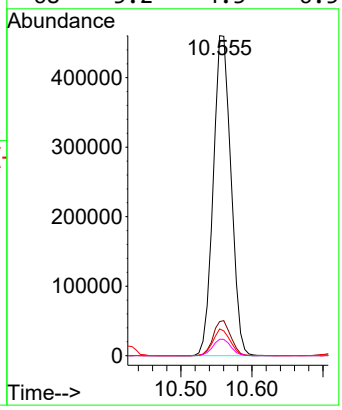


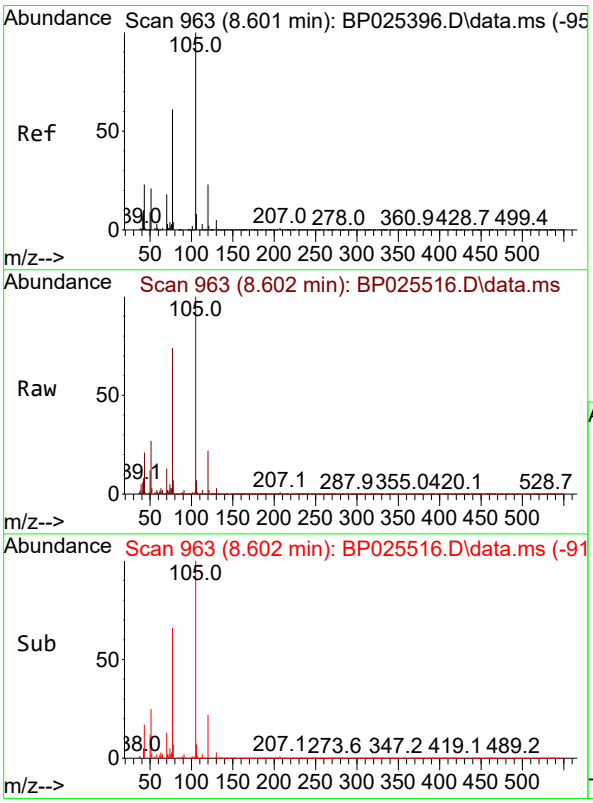
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:136 Resp: 796434

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	8.4	6.0	9.0
68	5.2	4.3	6.5

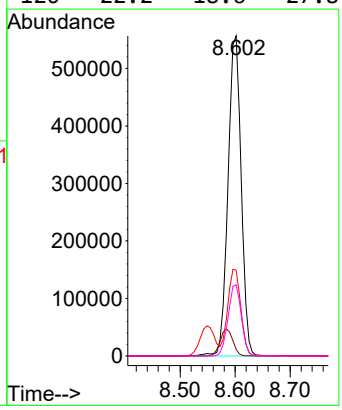


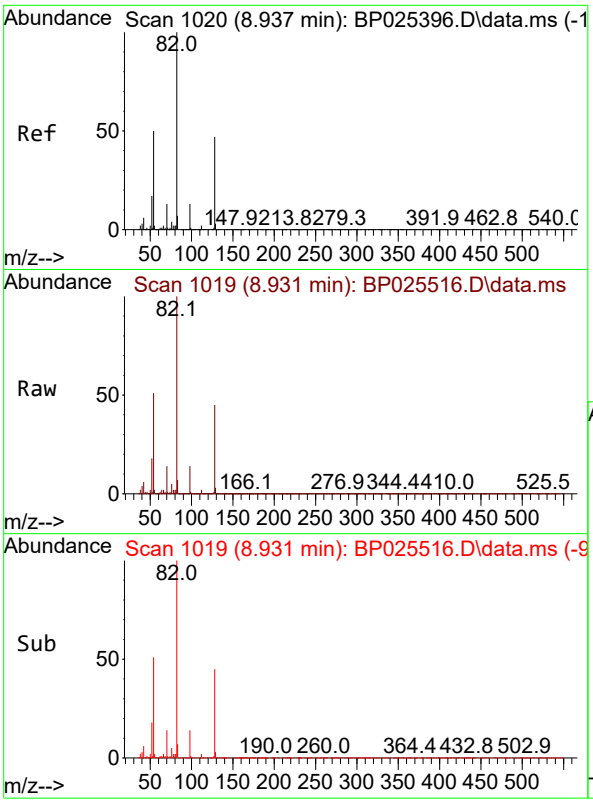


#22
Acetophenone
Concen: 46.348 ng
RT: 8.602 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:105 Resp: 925700

Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.6	4.0#
51	26.8	20.6	30.8
120	22.2	18.6	27.8



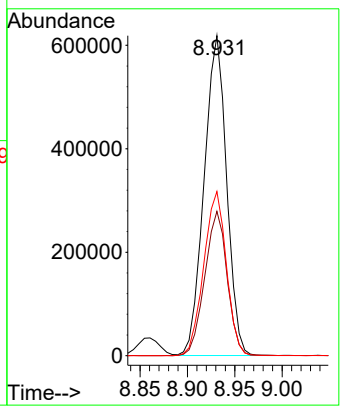


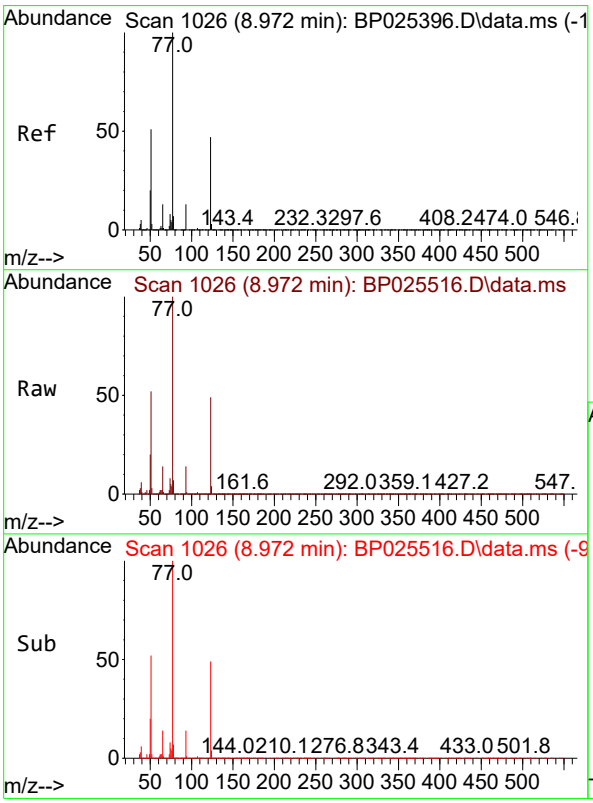
#23
Nitrobenzene-d5
Concen: 65.037 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 82 Resp: 1023958

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6

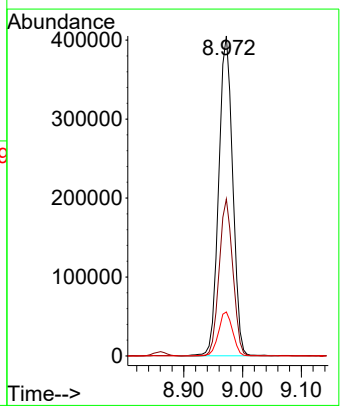


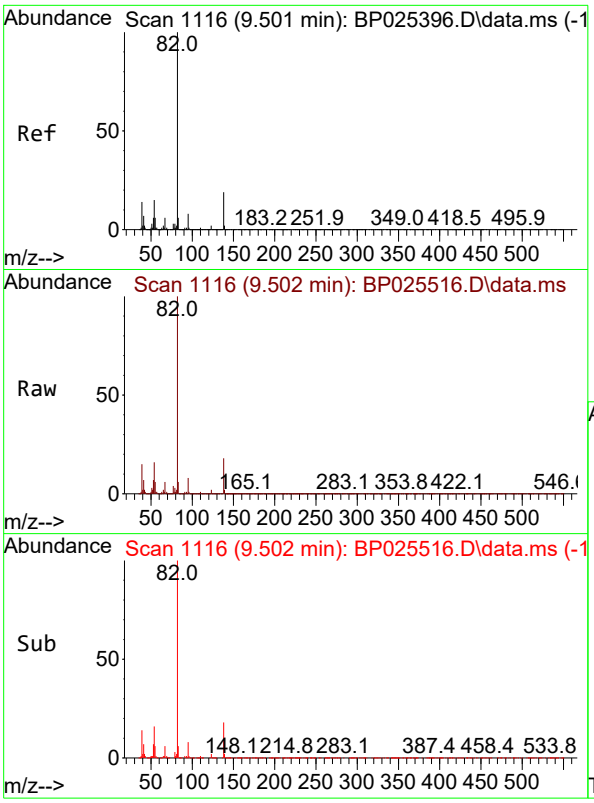


#24
Nitrobenzene
Concen: 47.583 ng
RT: 8.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 77 Resp: 669544

Ion	Ratio	Lower	Upper
77	100		
123	49.1	38.6	58.0
65	13.8	10.6	15.8



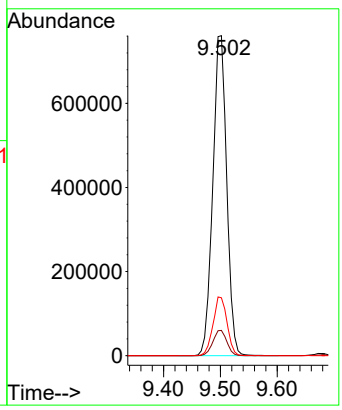


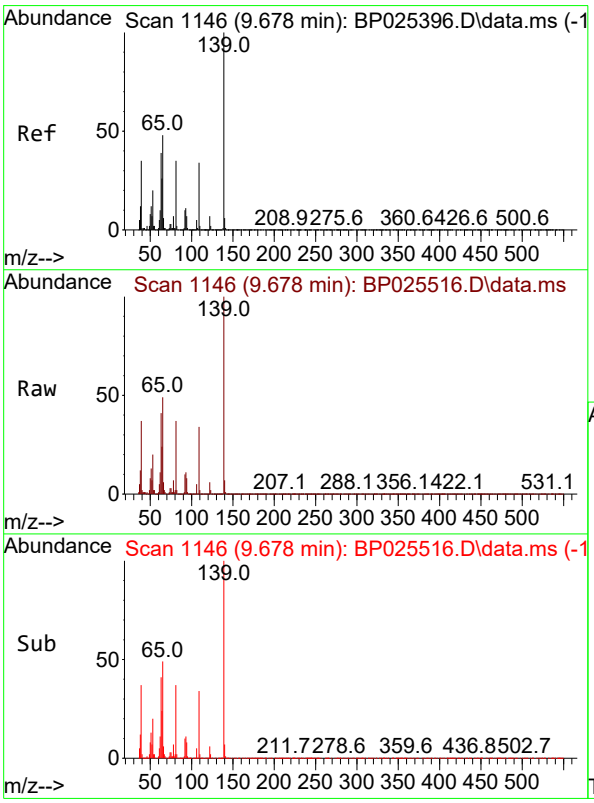
#25
Isophorone
Concen: 46.346 ng
RT: 9.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 82 Resp: 1291341

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.1	15.4	23.0

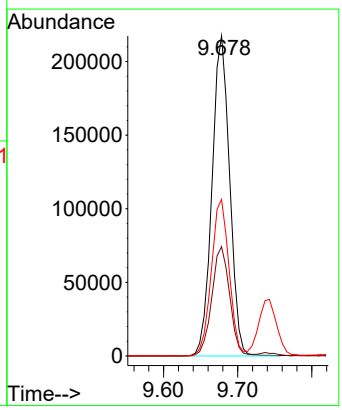


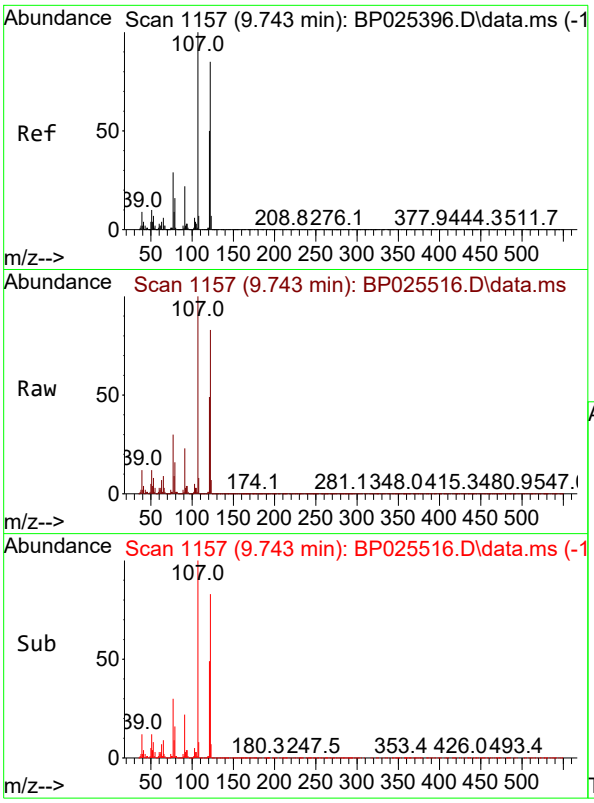


#26
2-Nitrophenol
Concen: 49.729 ng
RT: 9.678 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:139 Resp: 359110

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.9	40.3
65	48.9	38.3	57.5



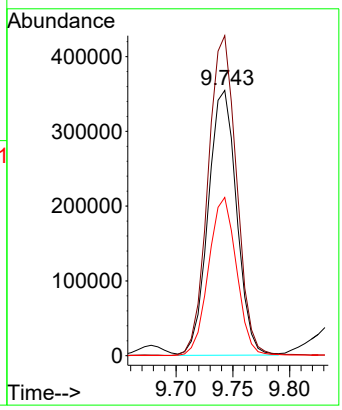


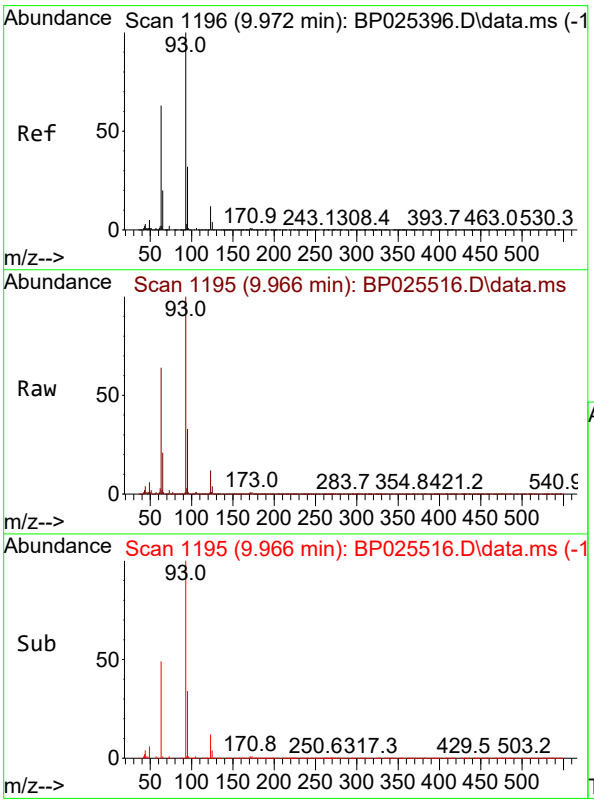
#27
2,4-Dimethylphenol
Concen: 49.605 ng
RT: 9.743 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:122 Resp: 616027

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	59.7	46.6	69.8

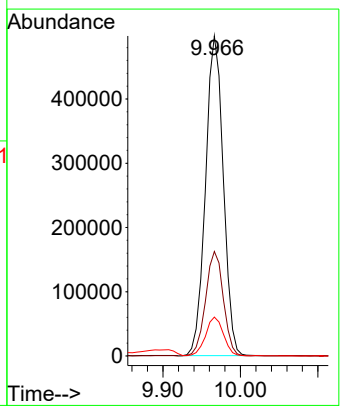


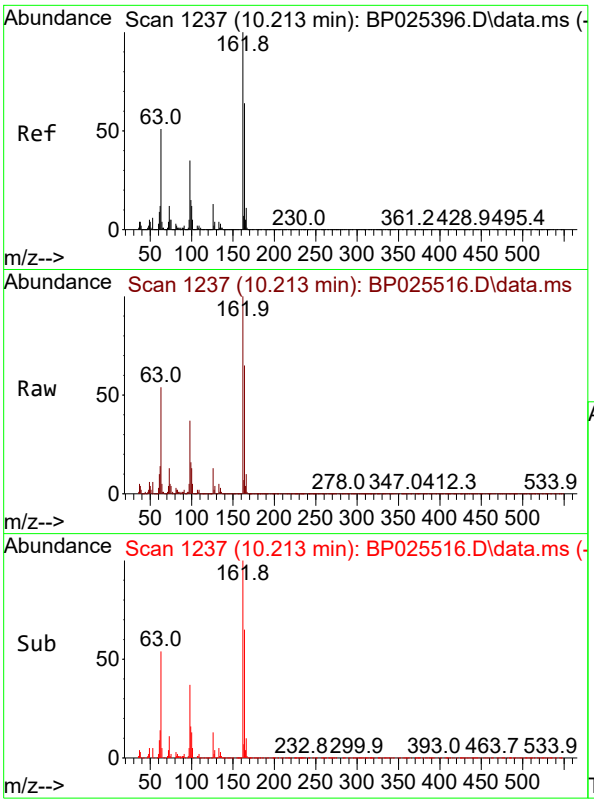


#28
bis(2-Chloroethoxy)methane
Concen: 47.040 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 93 Resp: 792282

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.0
123	12.2	9.4	14.0



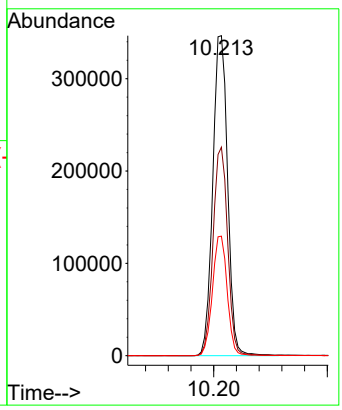


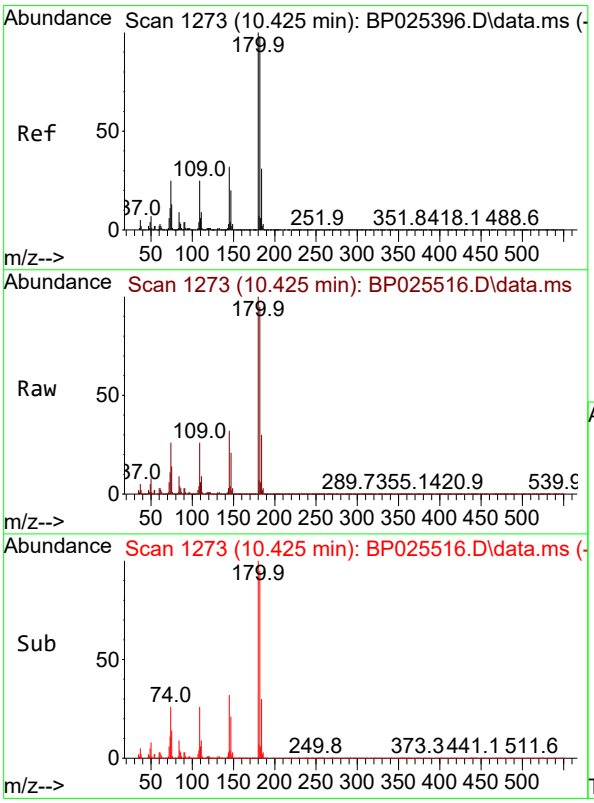
#29
2,4-Dichlorophenol
Concen: 51.032 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:162 Resp: 629551

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.4	84.4
98	37.4	14.9	54.9

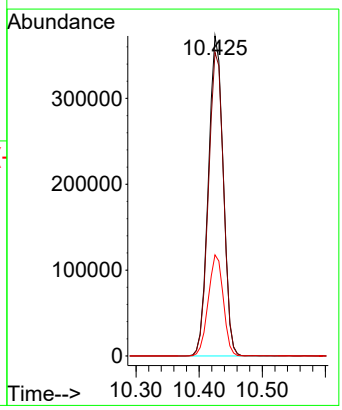


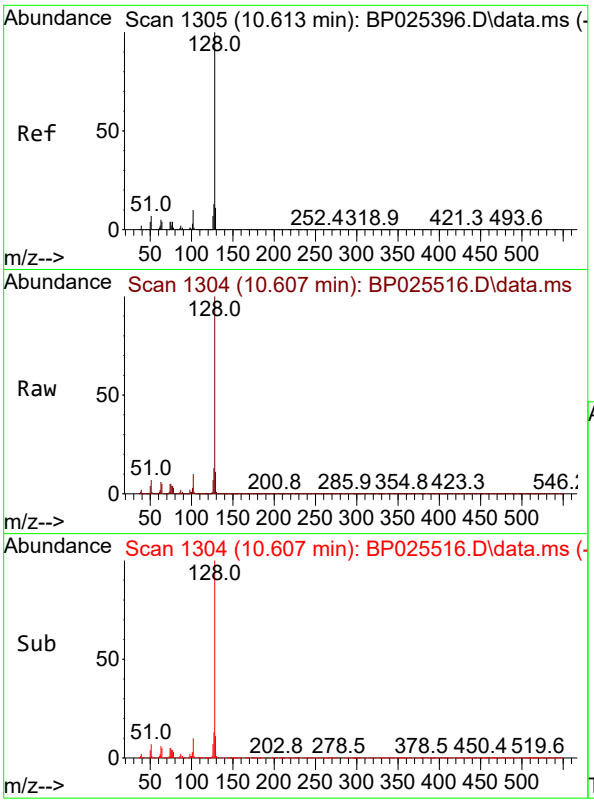


#30
1,2,4-Trichlorobenzene
Concen: 44.974 ng
RT: 10.425 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:180 Resp: 608202

Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.0	117.0
145	31.6	25.9	38.9



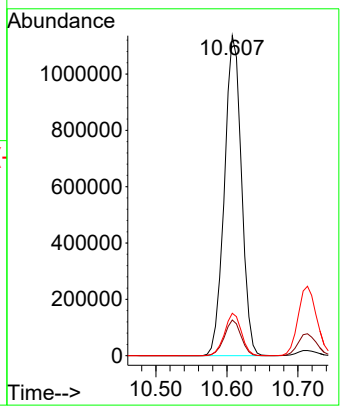


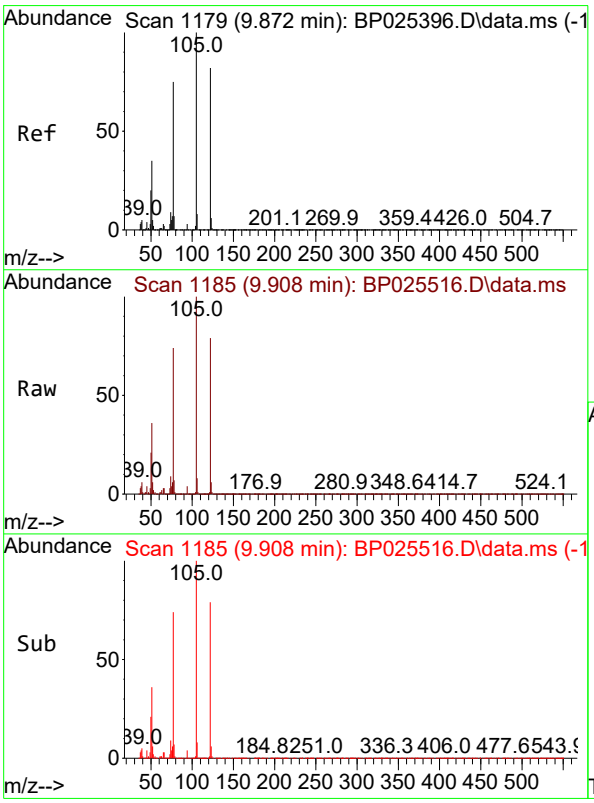
#31
Naphthalene
Concen: 45.625 ng
RT: 10.607 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:128 Resp: 1888650

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.3	10.7	16.1

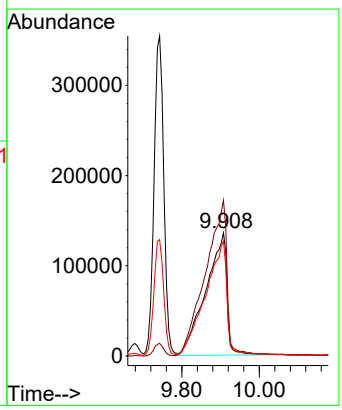


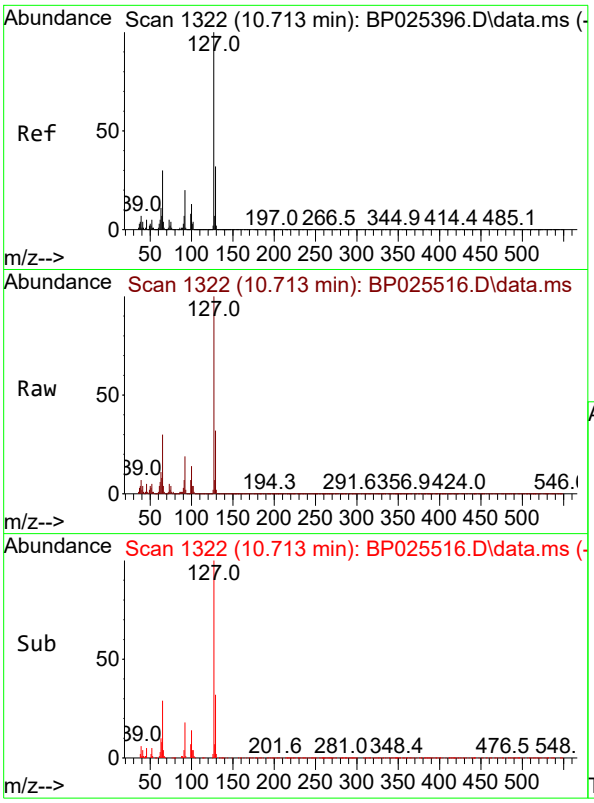


#32
Benzoic acid
Concen: 56.224 ng
RT: 9.908 min Scan# 1185
Delta R.T. 0.035 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:122 Resp: 515480

Ion	Ratio	Lower	Upper
122	100		
105	126.5	100.6	140.6
77	93.3	71.5	111.5



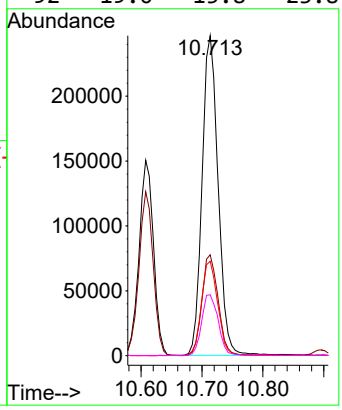


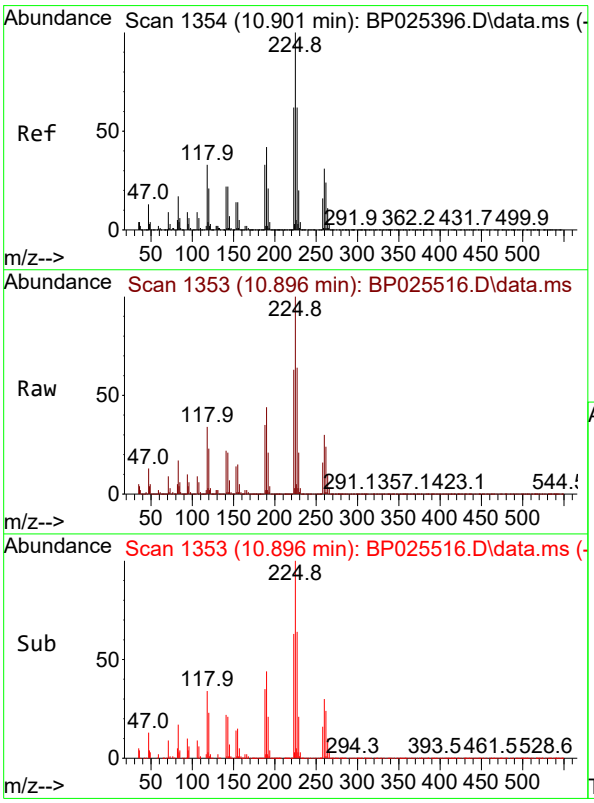
#33
4-Chloroaniline
Concen: 24.662 ng
RT: 10.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:127 Resp: 450951

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	29.5	23.8	35.6
92	19.0	15.8	23.8

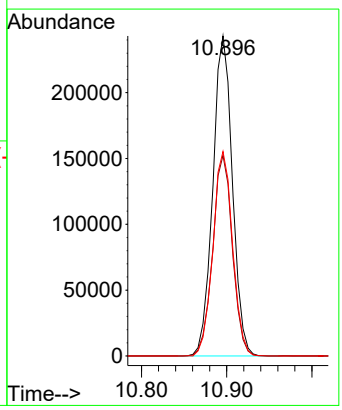


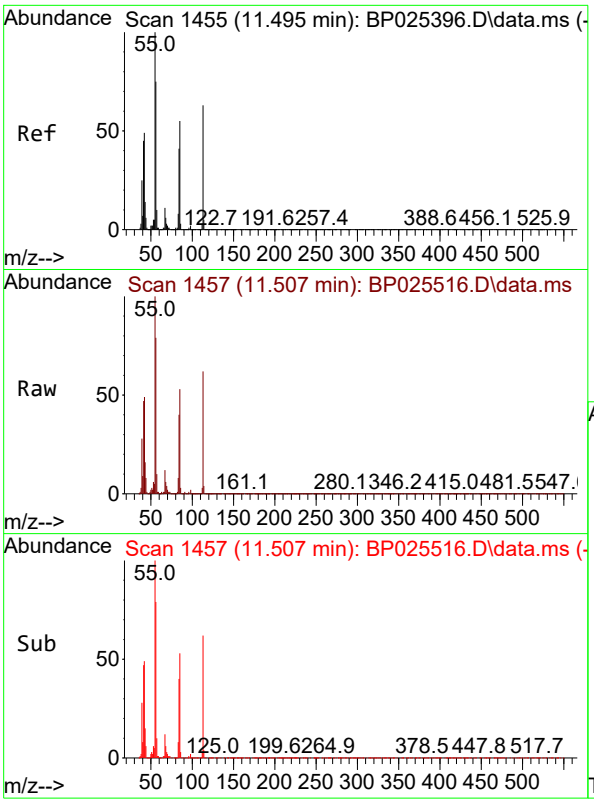


#34
Hexachlorobutadiene
Concen: 46.148 ng
RT: 10.896 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:225 Resp: 388664

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.0	75.0
227	63.9	49.7	74.5



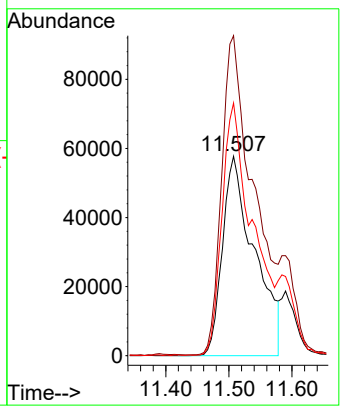


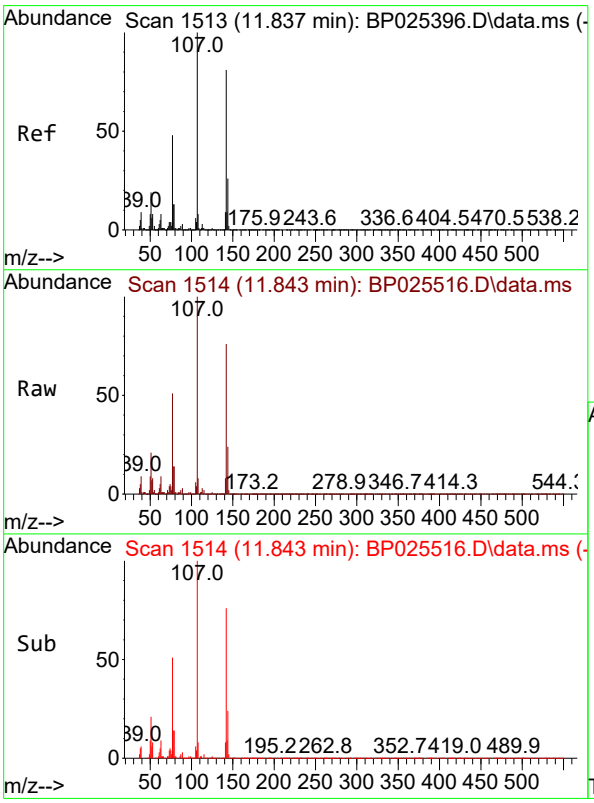
#35
Caprolactam
Concen: 44.716 ng
RT: 11.507 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:113 Resp: 202272

Ion	Ratio	Lower	Upper
113	100		
55	160.5	140.0	180.0
56	126.7	100.0	140.0

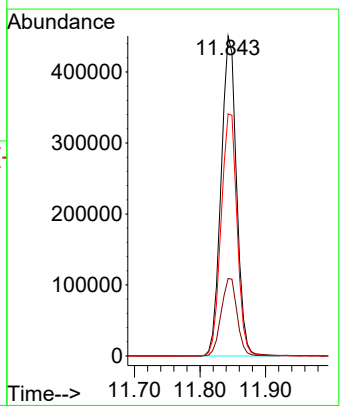


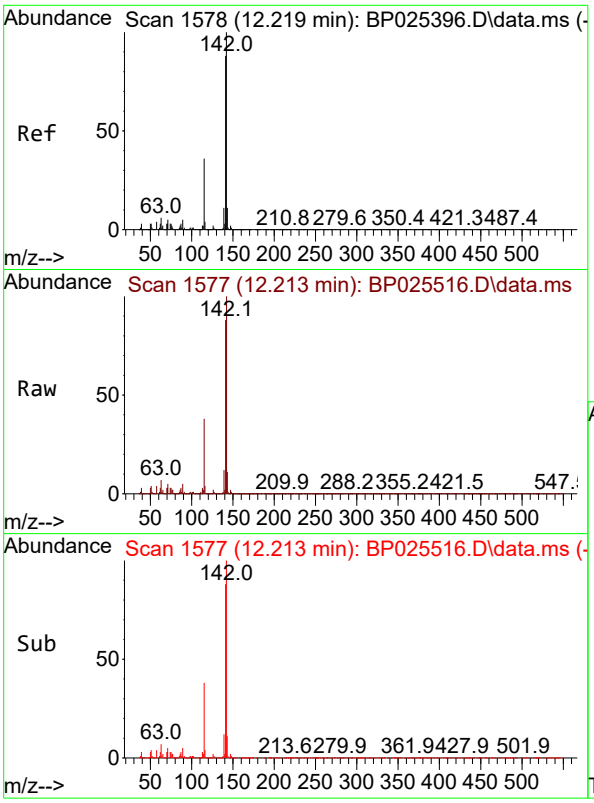


#36
4-Chloro-3-methylphenol
Concen: 51.912 ng
RT: 11.843 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:107 Resp: 734853

Ion	Ratio	Lower	Upper
107	100		
144	24.2	21.0	31.4
142	75.7	64.6	97.0



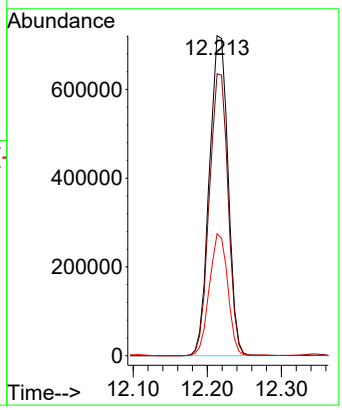


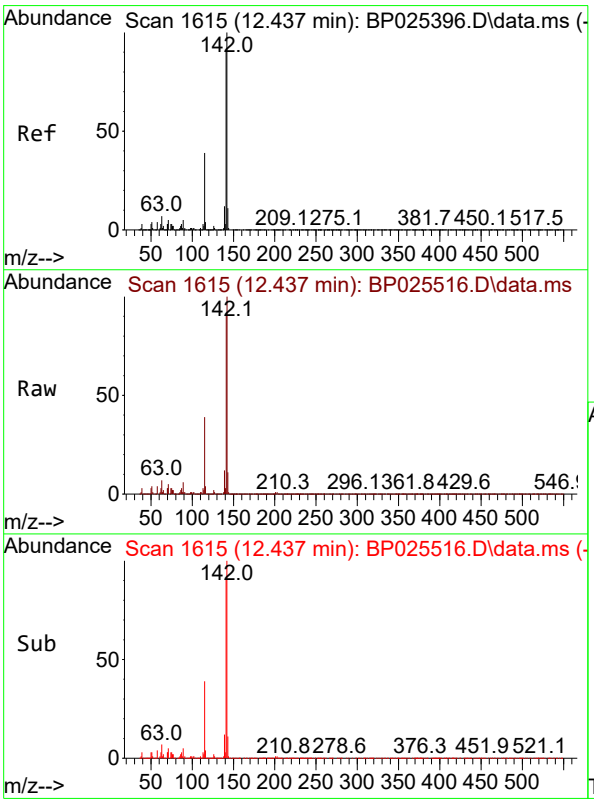
#37
2-Methylnaphthalene
Concen: 46.913 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:142 Resp: 1263780

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	38.1	28.9	43.3

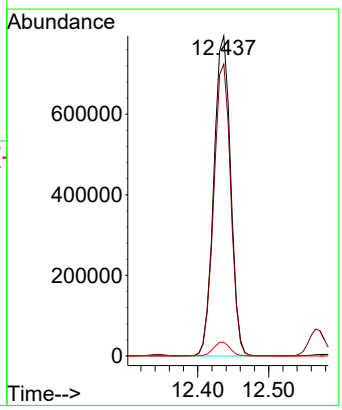


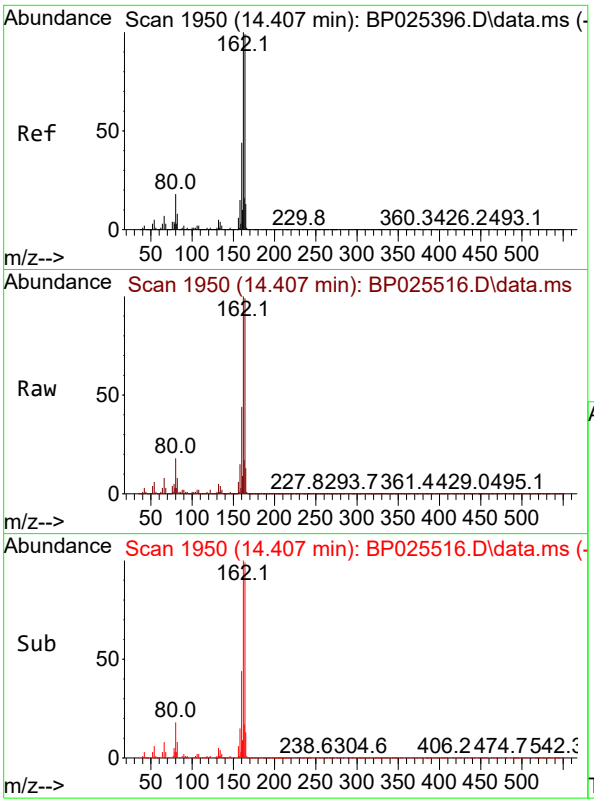


#38
1-Methylnaphthalene
Concen: 45.474 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:142 Resp: 1302740

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7
116	4.3	3.2	4.8



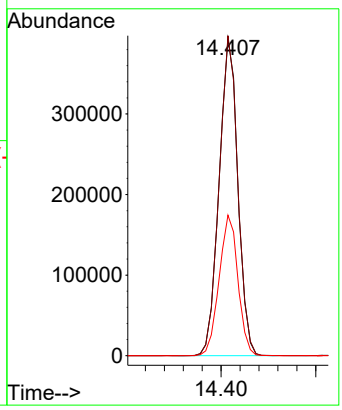


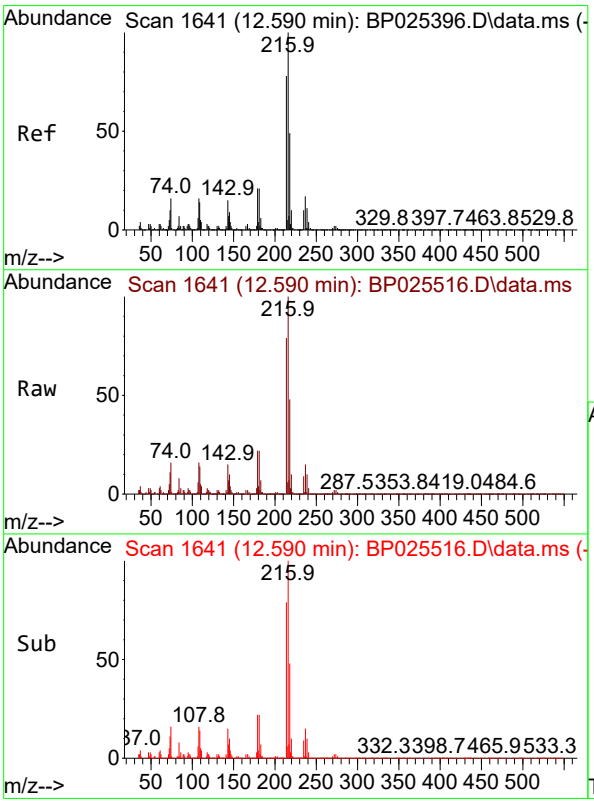
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:164 Resp: 542391

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.0	121.6
160	44.3	35.4	53.2

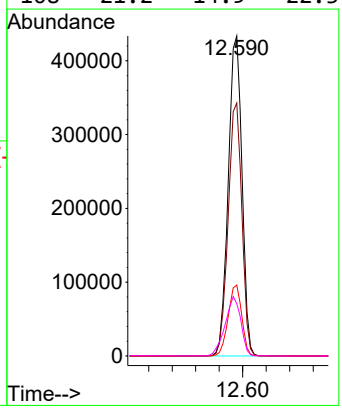


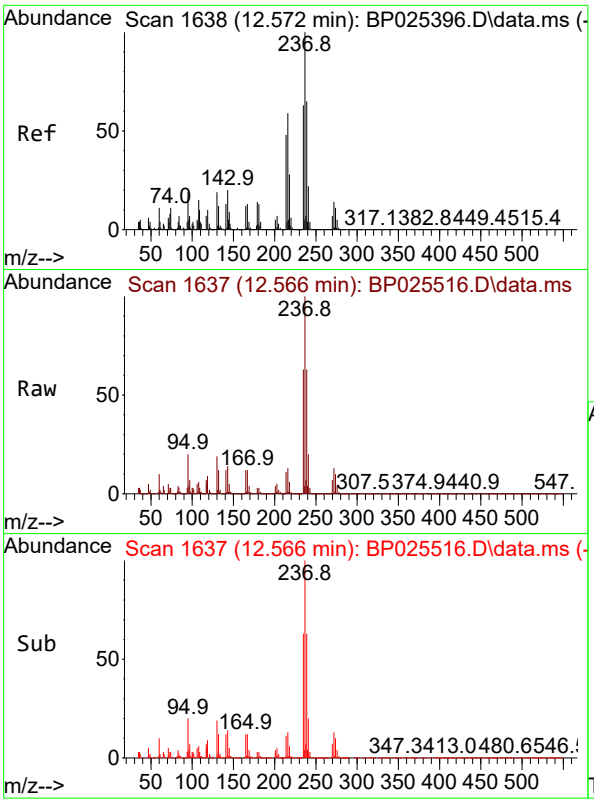


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.877 ng
RT: 12.590 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:216 Resp: 702998

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.9	17.1	25.7
108	21.2	14.9	22.3



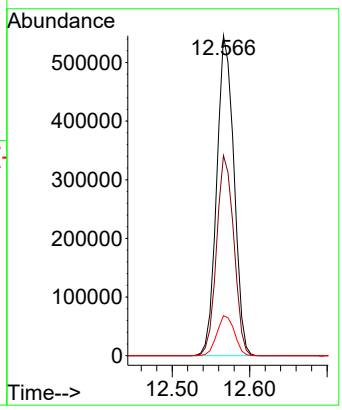


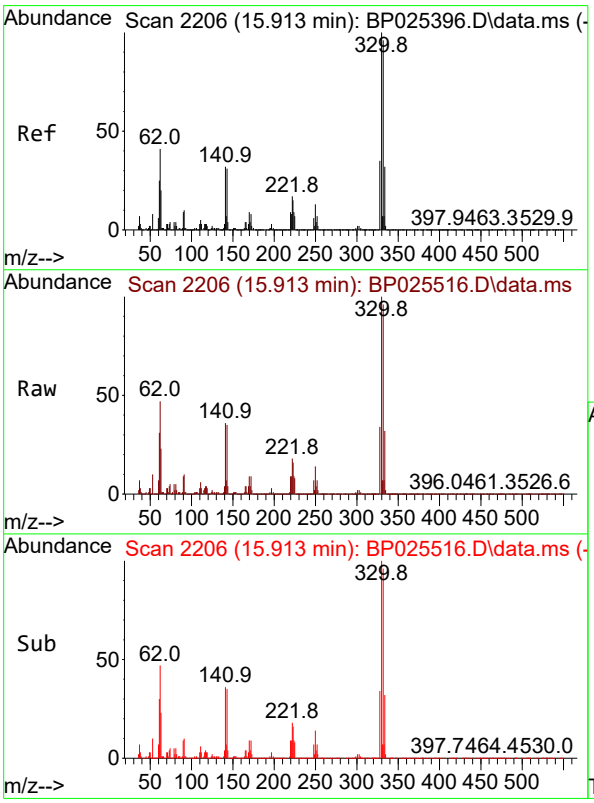
#41
Hexachlorocyclopentadiene
Concen: 89.262 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:237 Resp: 844610

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.7	82.7
272	12.5	0.0	34.0

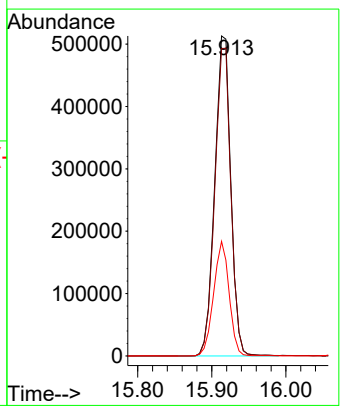


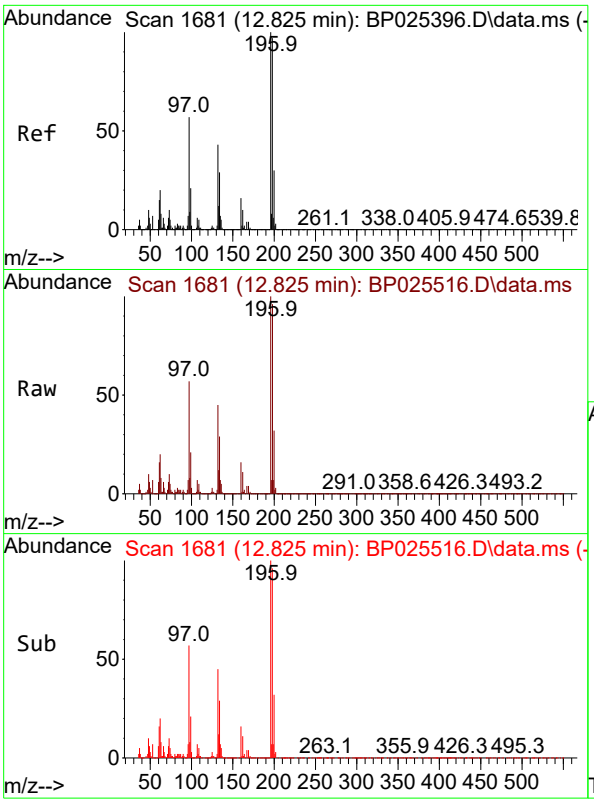


#42
2,4,6-Tribromophenol
Concen: 105.692 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:330 Resp: 771618

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	34.6	26.6	39.8



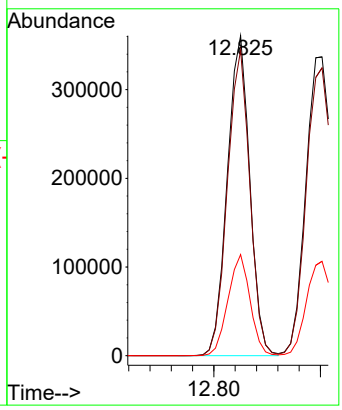


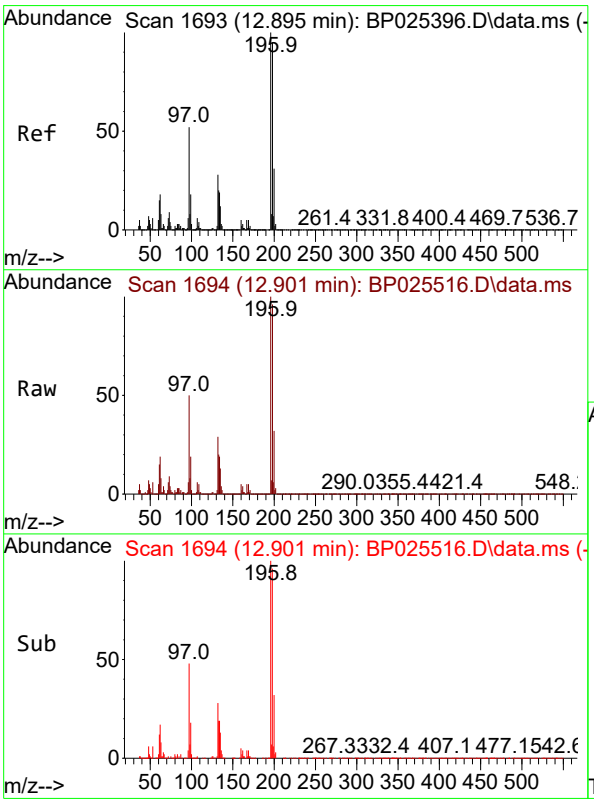
#43
2,4,6-Trichlorophenol
Concen: 50.034 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:196 Resp: 529135

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.2	115.8
200	31.6	23.9	35.9

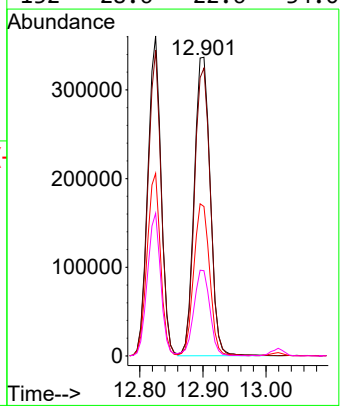


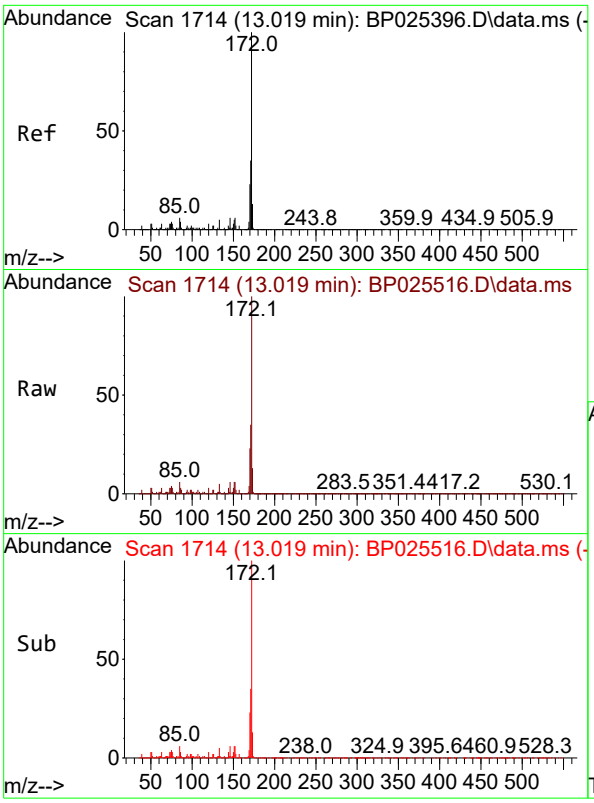


#44
2,4,5-Trichlorophenol
Concen: 51.115 ng
RT: 12.901 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:196 Resp: 592451

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.2	114.2
97	50.0	41.2	61.8
132	28.6	22.6	34.0



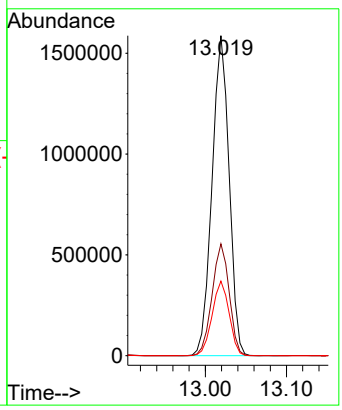


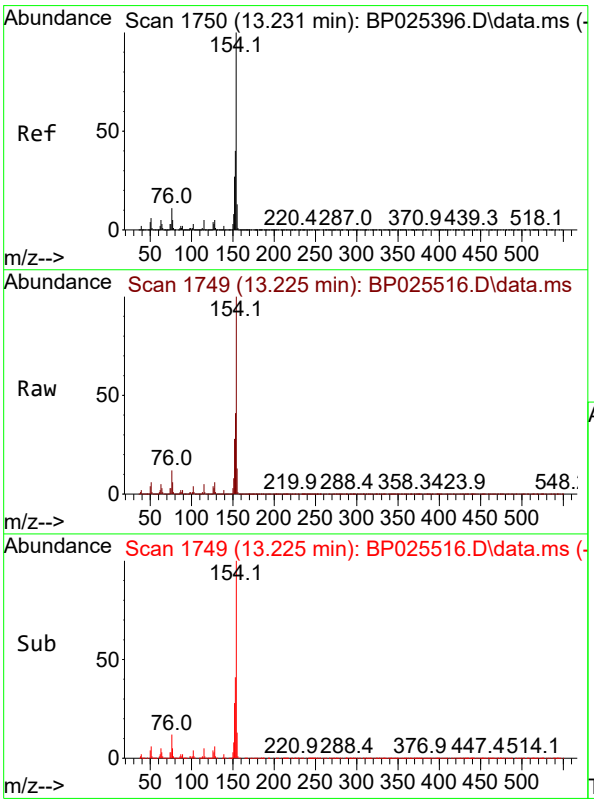
#45
2-Fluorobiphenyl
Concen: 58.451 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:172 Resp: 2319713

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.3	18.6	28.0

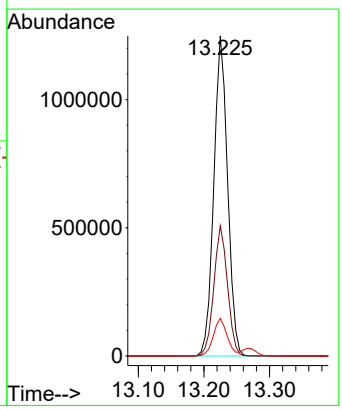


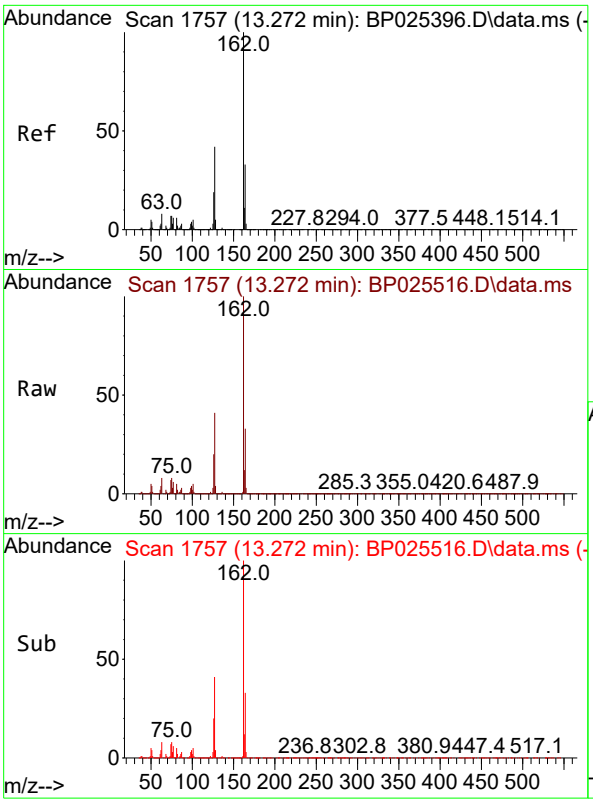


#46
1,1'-Biphenyl
Concen: 46.123 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:154 Resp: 1816843

Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	11.7	0.0	31.1



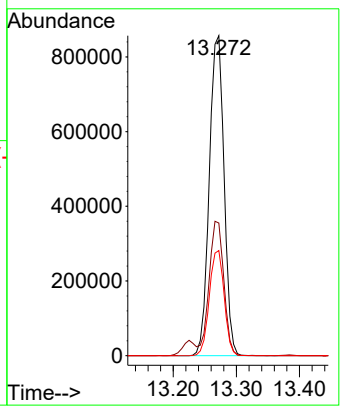


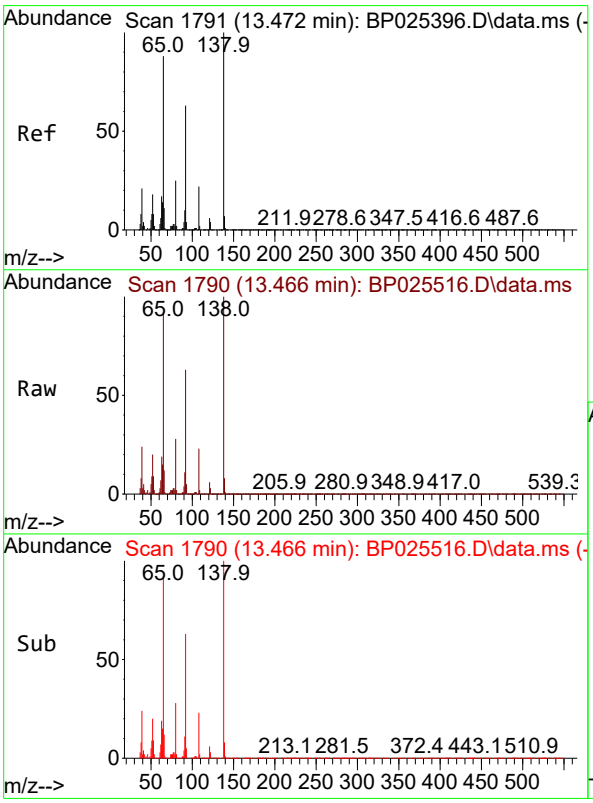
#47
2-Chloronaphthalene
Concen: 45.407 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:162 Resp: 1392441

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.8	26.2	39.2

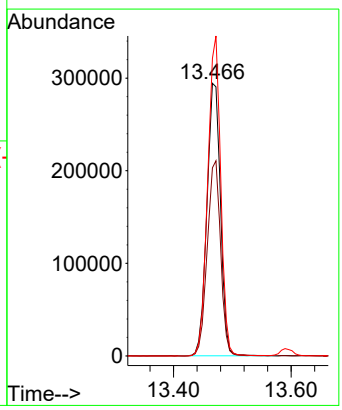


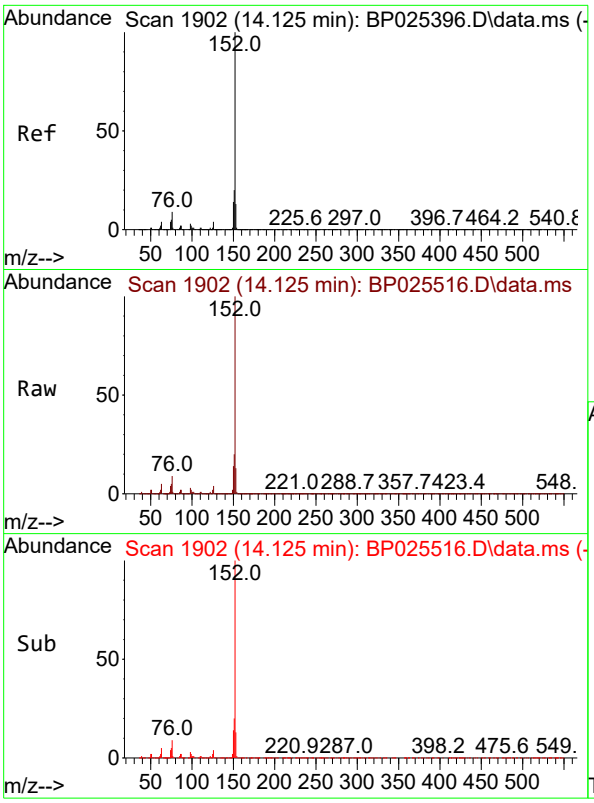


#48
2-Nitroaniline
Concen: 52.709 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion: 65 Resp: 470973

Ion	Ratio	Lower	Upper
65	100		
92	69.0	57.6	86.4
138	109.2	91.0	136.6



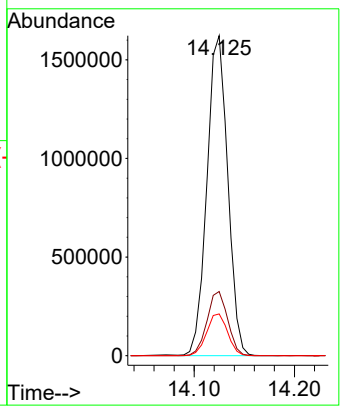


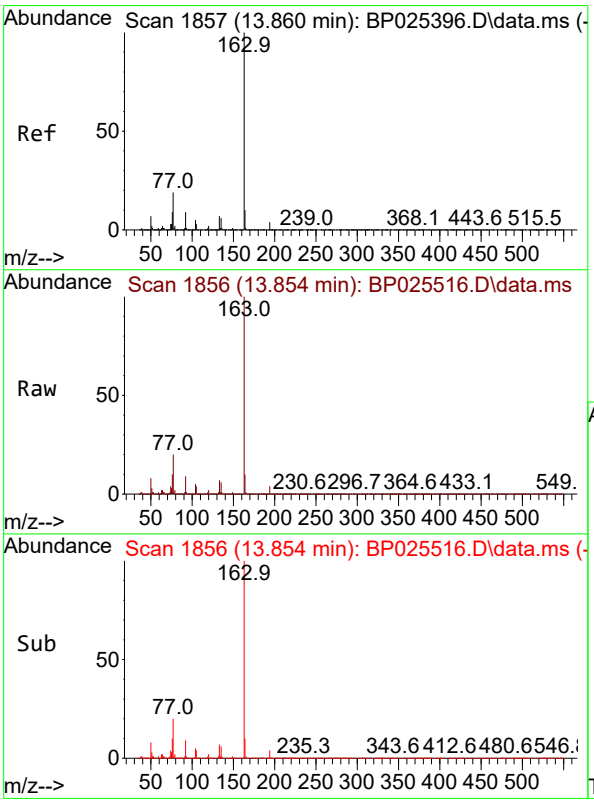
#49
Acenaphthylene
Concen: 46.035 ng
RT: 14.125 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:152 Resp: 2335961

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.1	10.6	15.8

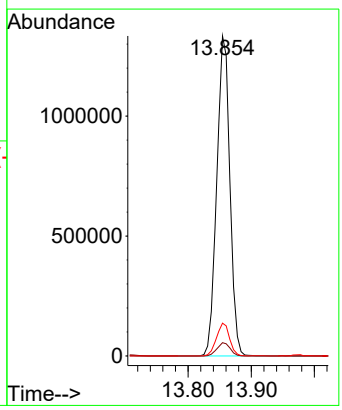


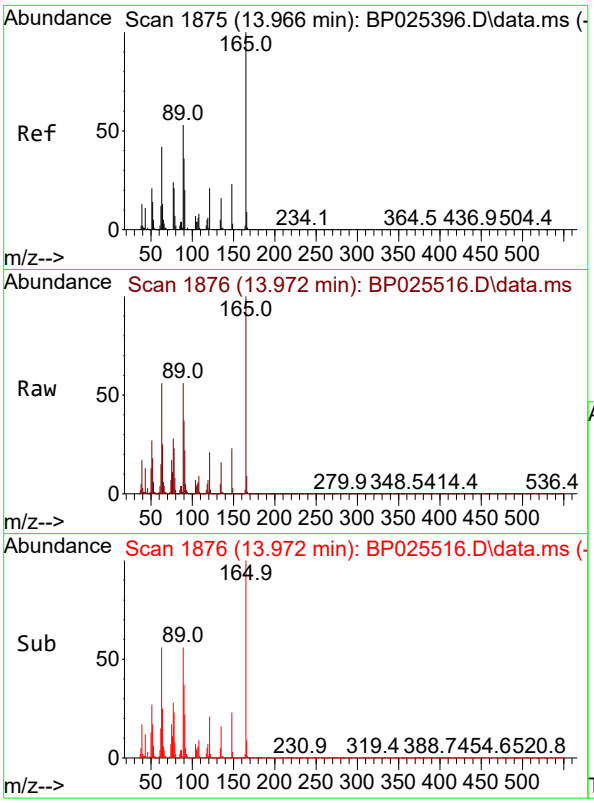


#50
Dimethylphthalate
Concen: 48.428 ng
RT: 13.854 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:163 Resp: 1923497

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.2	7.9	11.9



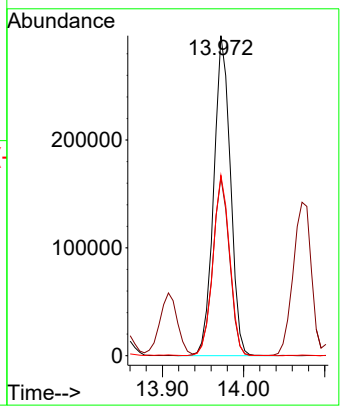


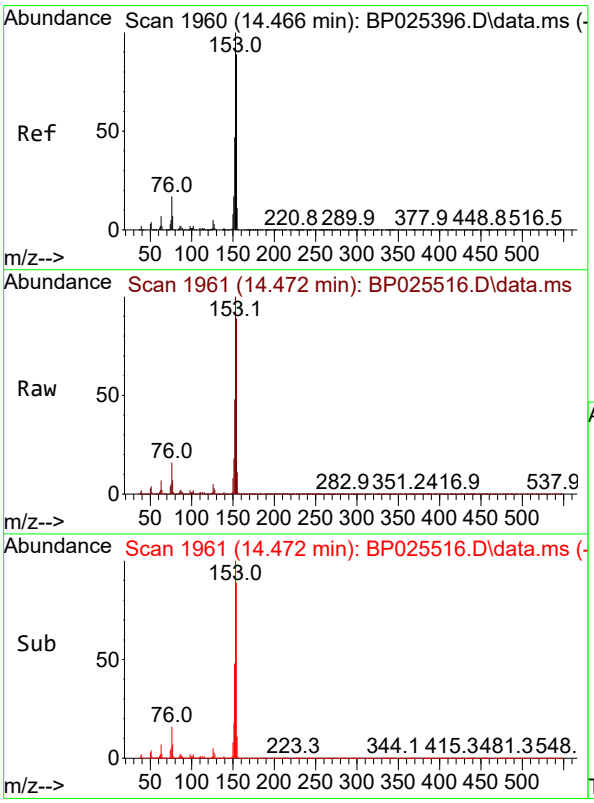
#51
2,6-Dinitrotoluene
Concen: 50.571 ng
RT: 13.972 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:165 Resp: 423357

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	56.3	42.1	63.1

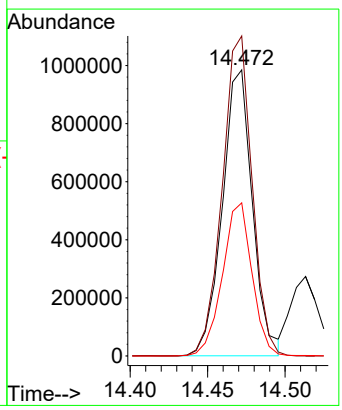


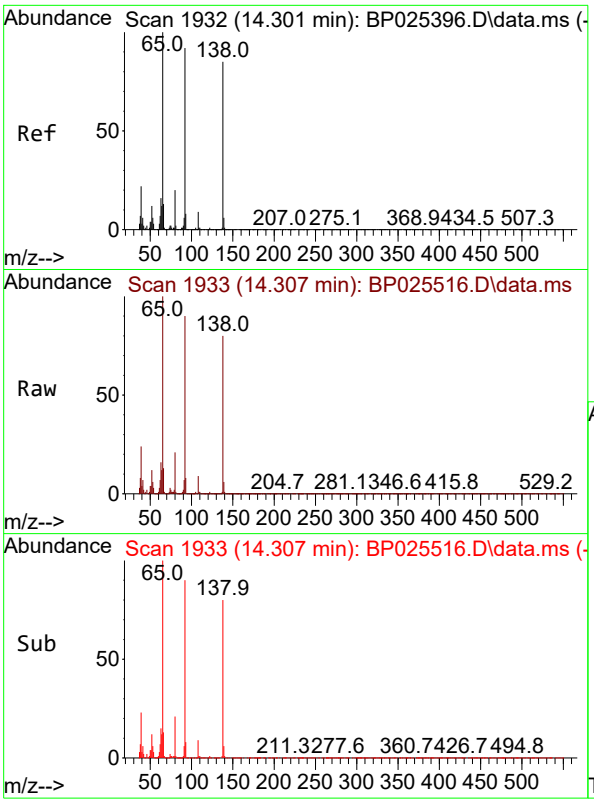


#52
Acenaphthene
Concen: 44.762 ng
RT: 14.472 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:154 Resp: 1333260

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.2	135.2
152	53.6	42.1	63.1



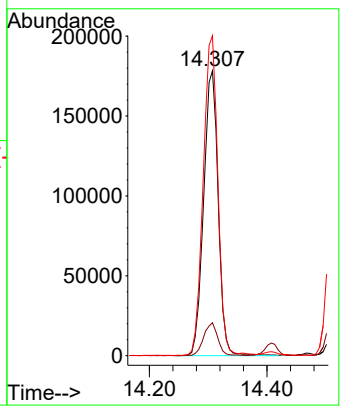


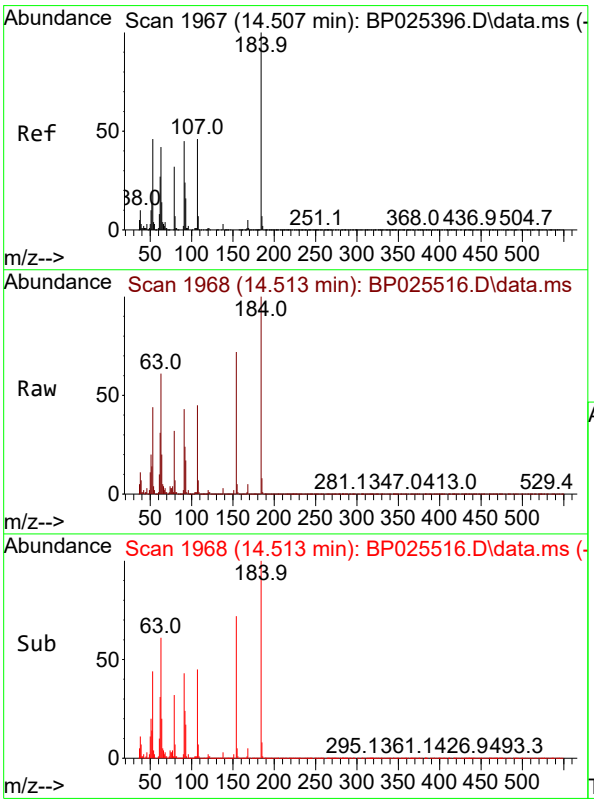
#53
3-Nitroaniline
Concen: 32.515 ng
RT: 14.307 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:138 Resp: 306252

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.3	12.5
92	112.4	86.2	129.2

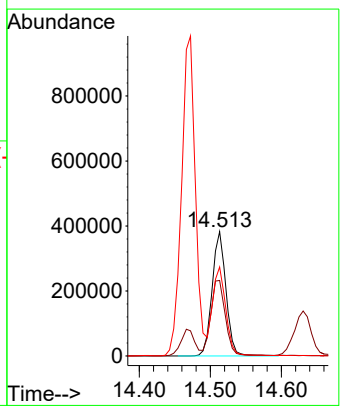


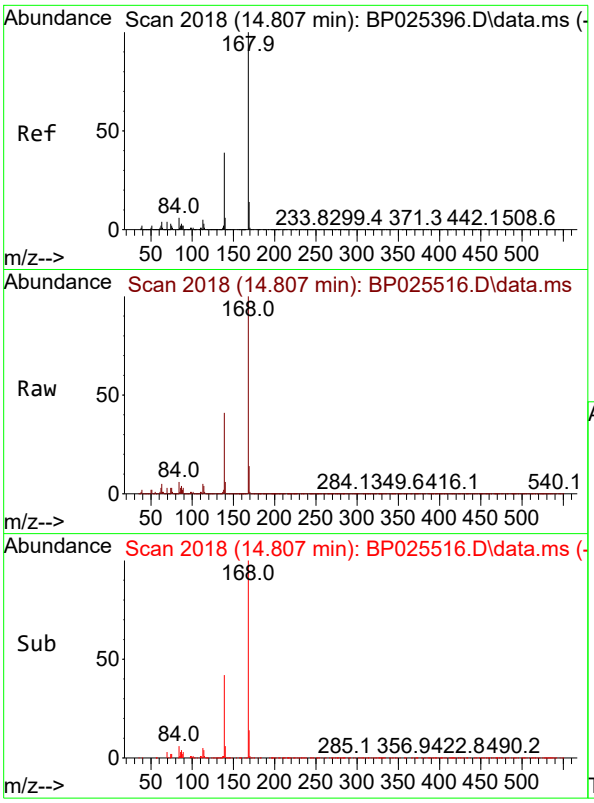


#54
2,4-Dinitrophenol
Concen: 115.933 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:184 Resp: 518294

Ion	Ratio	Lower	Upper
184	100		
63	60.8	49.4	74.2
154	71.5	54.6	82.0



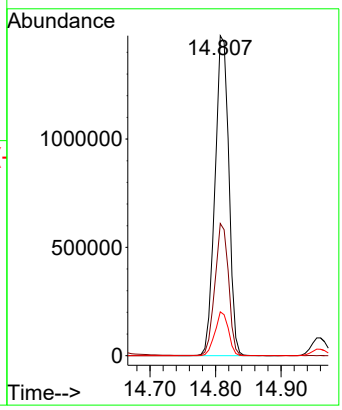


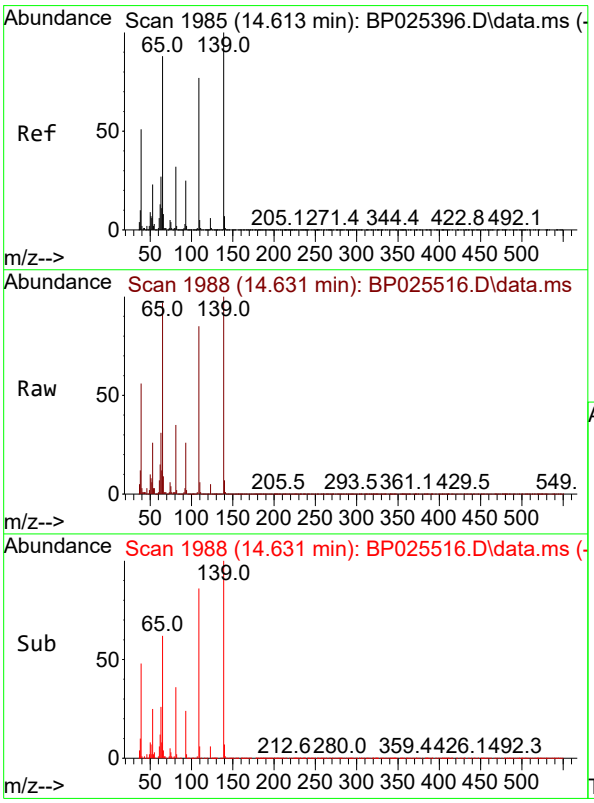
#55
Dibenzofuran
Concen: 45.760 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:168 Resp: 2154905

Ion	Ratio	Lower	Upper
168	100		
139	41.3	31.5	47.3
169	13.7	10.9	16.3

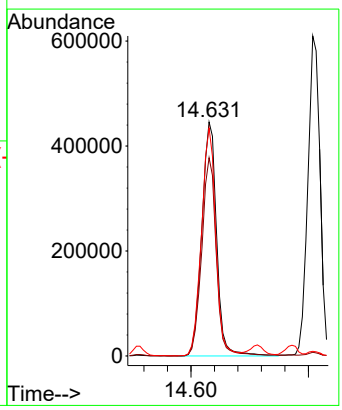


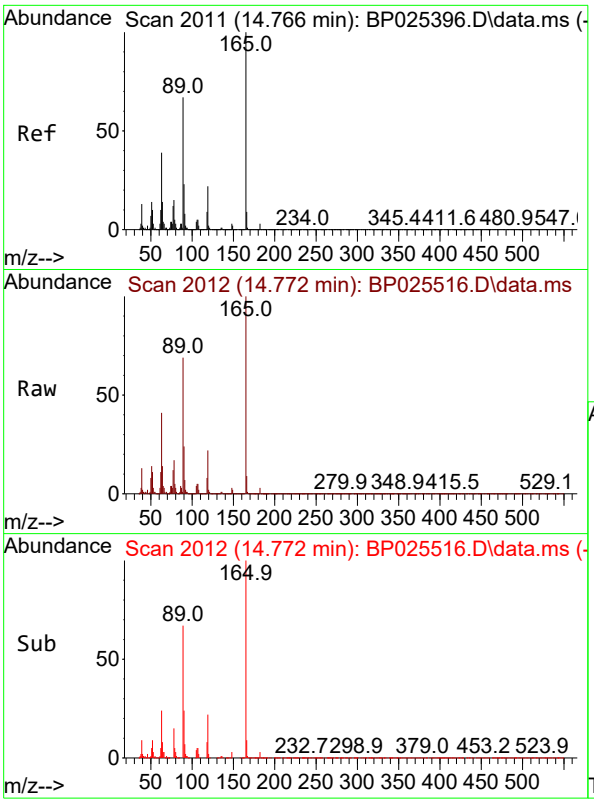


#56
4-Nitrophenol
Concen: 100.749 ng
RT: 14.631 min Scan# 1988
Delta R.T. 0.018 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:139 Resp: 779771

Ion	Ratio	Lower	Upper
139	100		
109	84.8	56.6	96.6
65	97.4	68.2	108.2



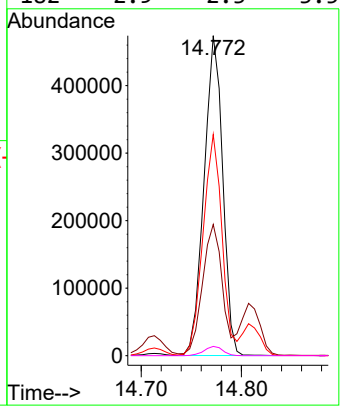


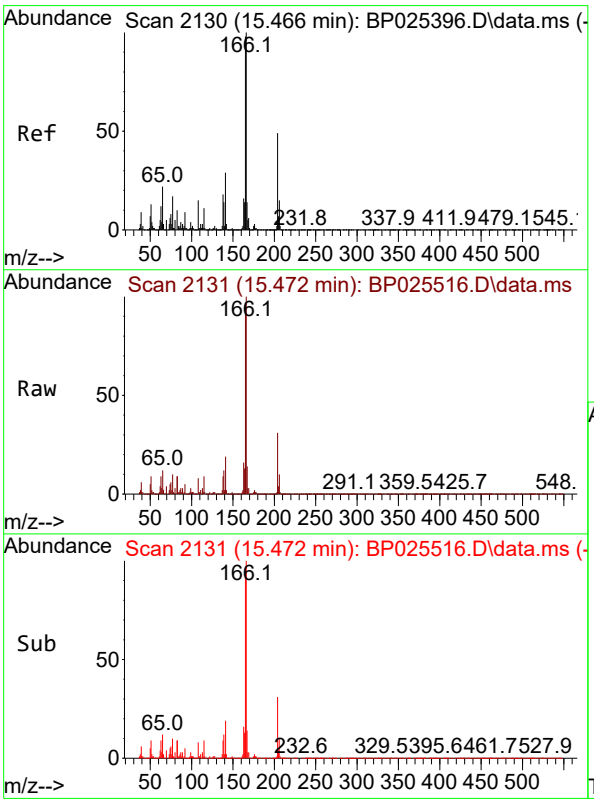
#57
2,4-Dinitrotoluene
Concen: 51.453 ng
RT: 14.772 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:165 Resp: 614566

Ion	Ratio	Lower	Upper
165	100		
63	41.0	31.4	47.2
89	69.1	53.3	79.9
182	2.9	2.3	3.5

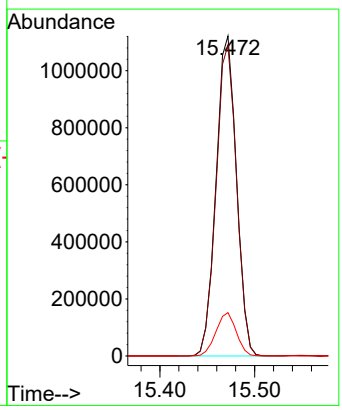


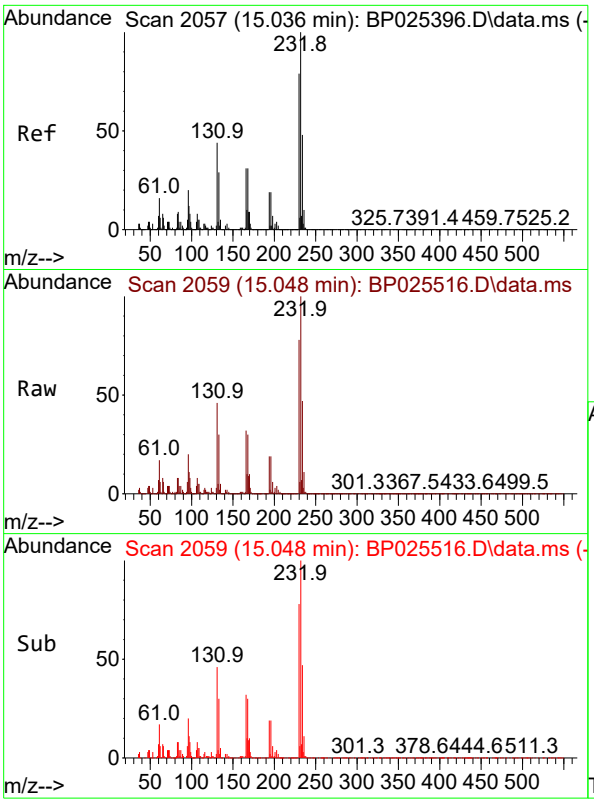


#58
Fluorene
Concen: 45.238 ng
RT: 15.472 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:166 Resp: 1680951

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.8	118.2
167	13.6	11.0	16.4



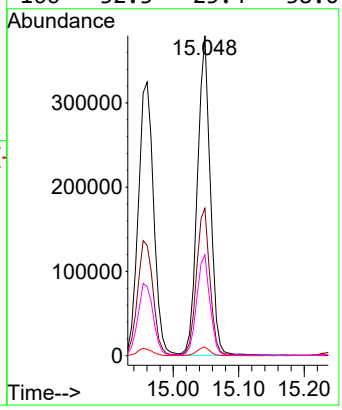


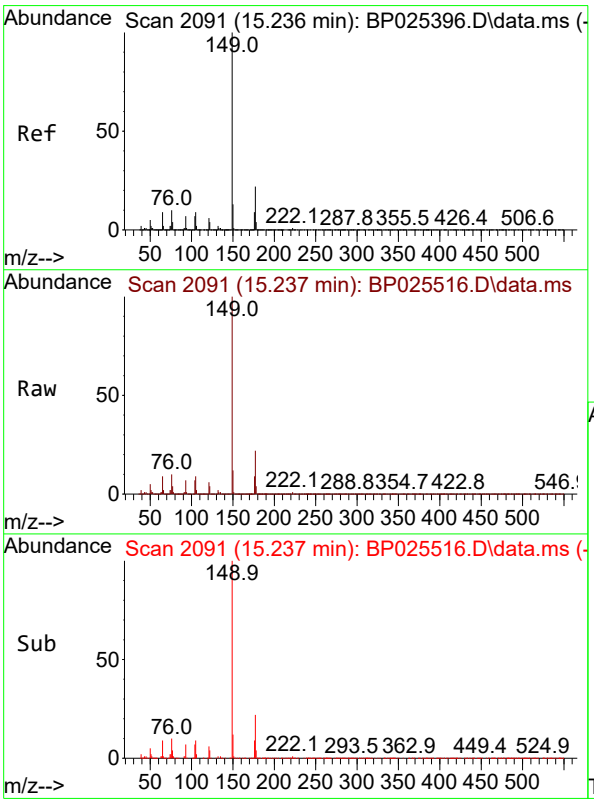
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.862 ng
RT: 15.048 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:232 Resp: 520533

Ion	Ratio	Lower	Upper
232	100		
131	47.7	37.0	55.6
130	2.6	1.9	2.9
166	32.3	25.4	38.0

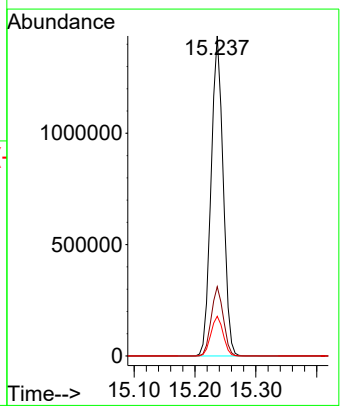


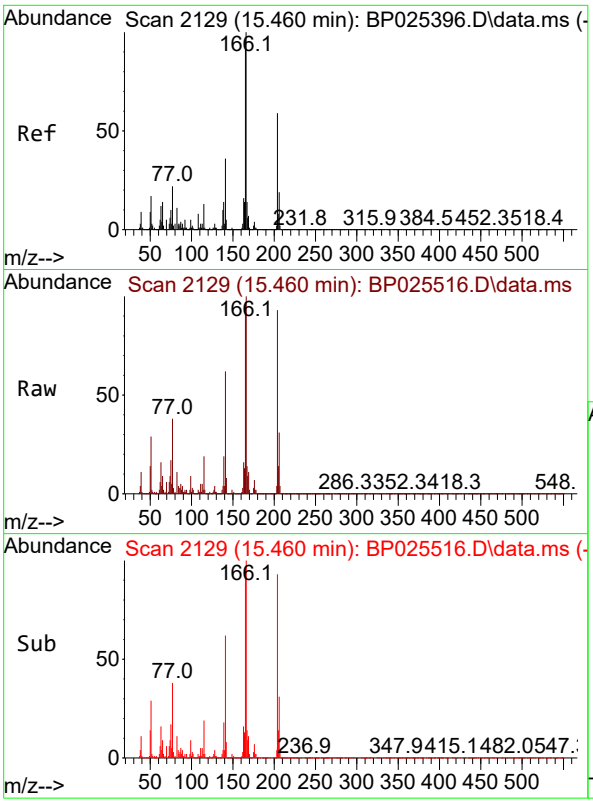


#60
Diethylphthalate
Concen: 49.161 ng
RT: 15.237 min Scan# 2091
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1984056

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.4	10.3	15.5



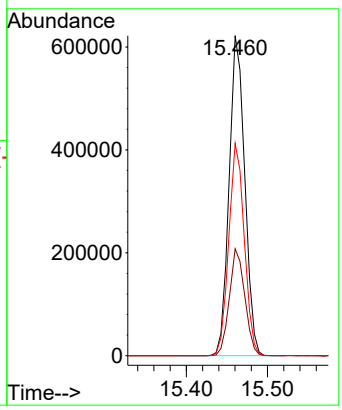


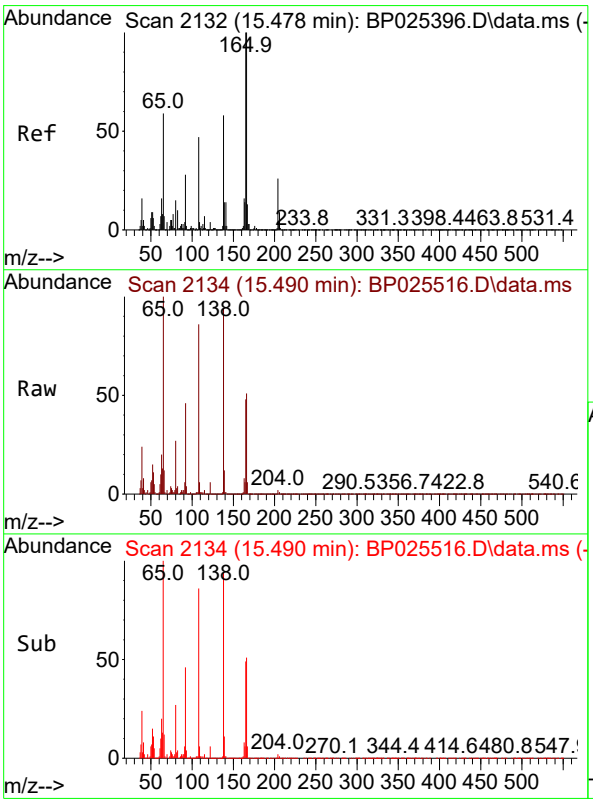
#61
4-Chlorophenyl-phenylether
Concen: 44.976 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:204 Resp: 831152

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.8
141	66.4	49.4	74.2

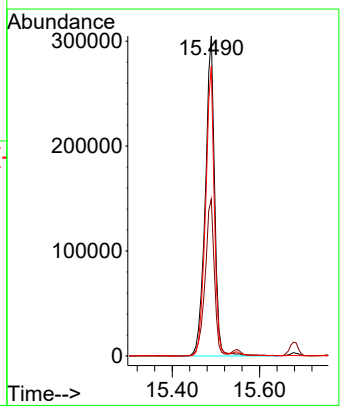


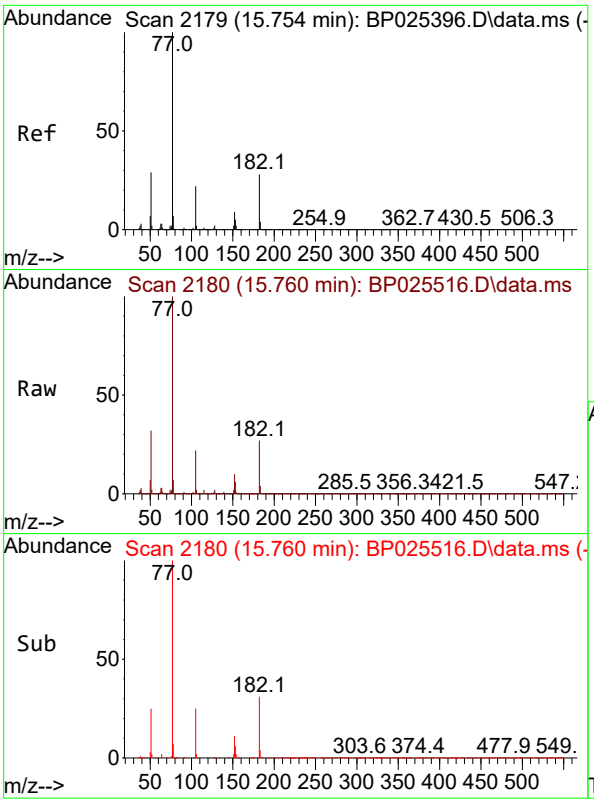


#62
4-Nitroaniline
Concen: 47.037 ng
RT: 15.490 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:138 Resp: 454185

Ion	Ratio	Lower	Upper
138	100		
92	49.1	29.1	69.1
108	90.7	61.5	101.5



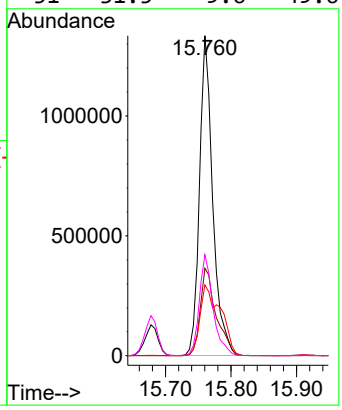


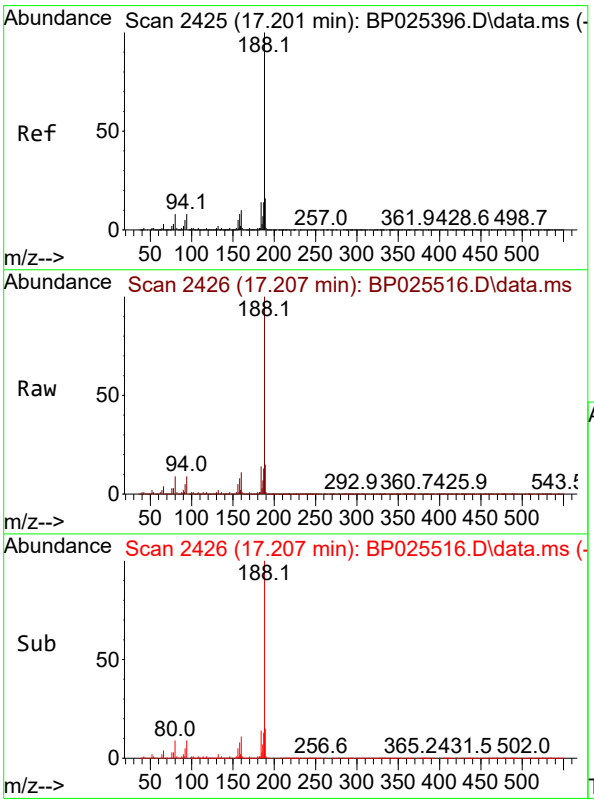
#63
Azobenzene
Concen: 54.357 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion: 77 Resp: 1878426

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.5	47.5
105	22.1	2.1	42.1
51	31.5	9.6	49.6

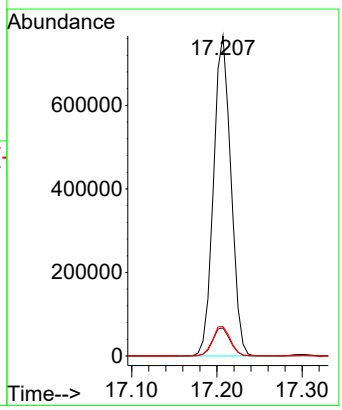


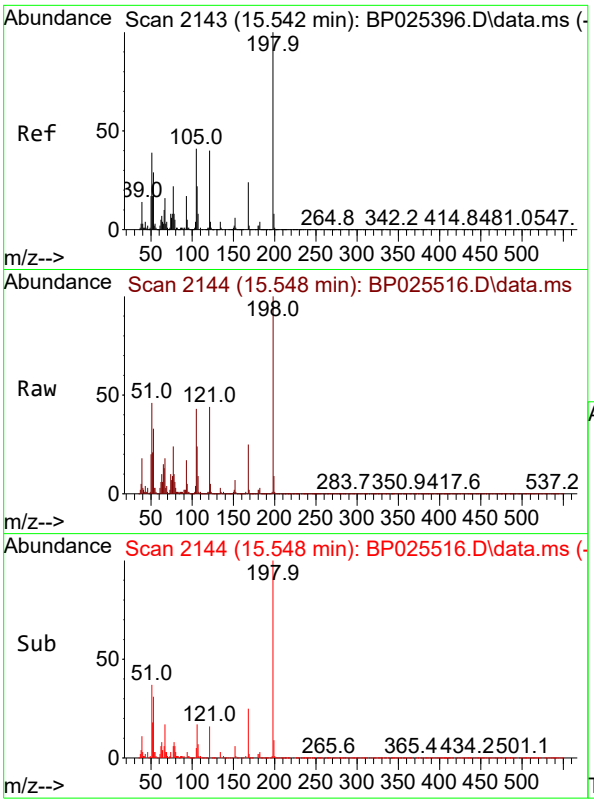


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:188 Resp: 1090849

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.2	6.7	10.1



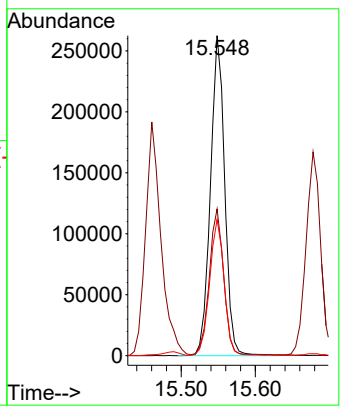


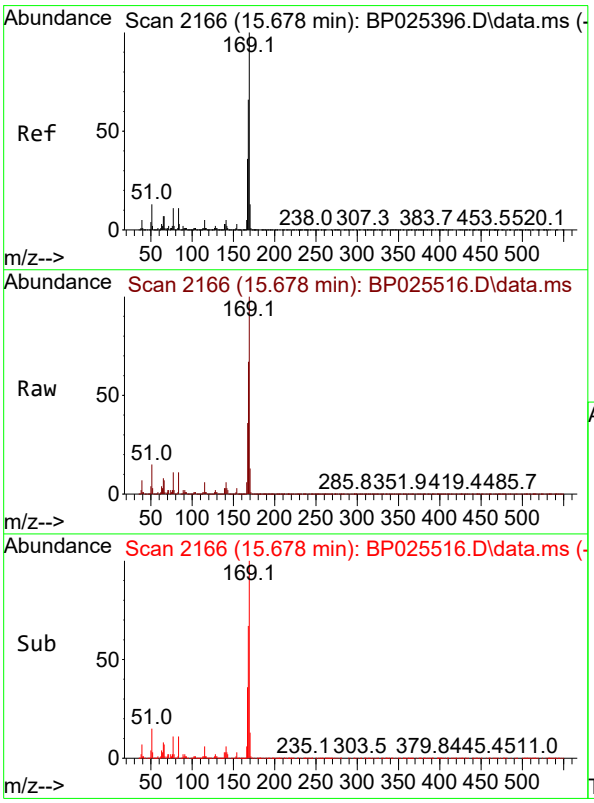
#65
4,6-Dinitro-2-methylphenol
Concen: 51.578 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:198 Resp: 350723

Ion	Ratio	Lower	Upper
198	100		
51	45.9	19.6	59.6
105	42.6	20.9	60.9

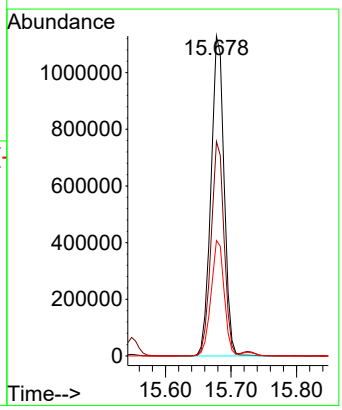


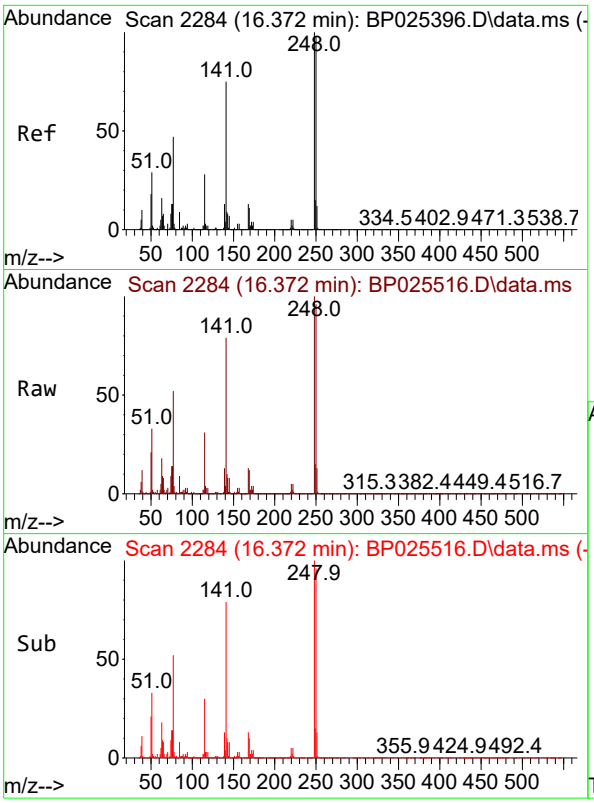


#66
n-Nitrosodiphenylamine
Concen: 47.250 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:169 Resp: 1571731

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.2	79.8
167	36.1	28.7	43.1



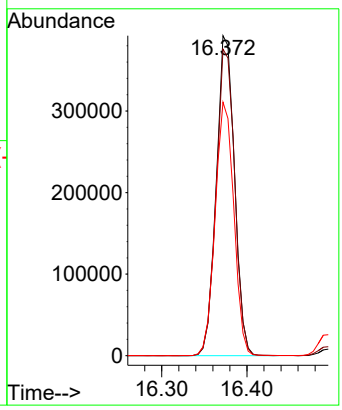


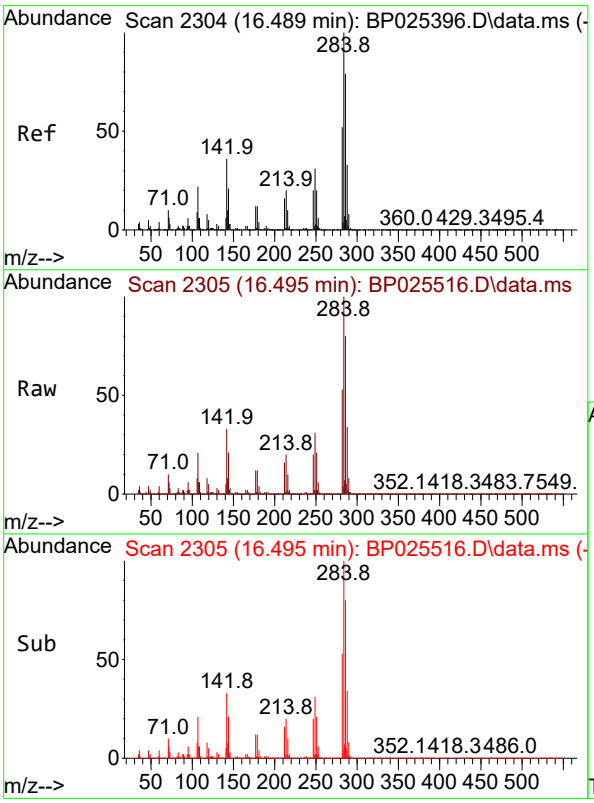
#67
4-Bromophenyl-phenylether
Concen: 48.762 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:248 Resp: 585013

Ion	Ratio	Lower	Upper
248	100		
250	95.8	78.2	117.2
141	79.2	59.6	89.4

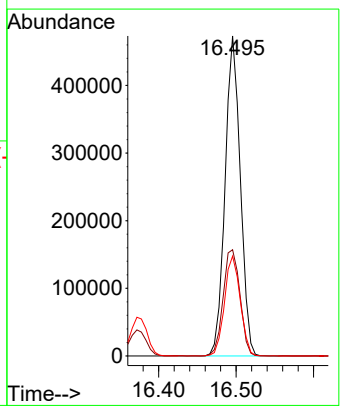


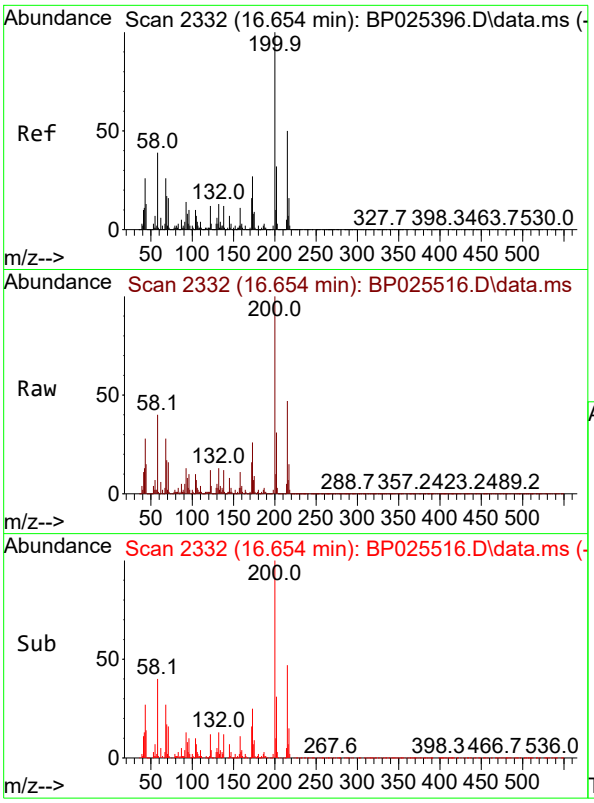


#68
Hexachlorobenzene
Concen: 46.567 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:284 Resp: 647628

Ion	Ratio	Lower	Upper
284	100		
142	33.2	29.1	43.7
249	31.2	25.0	37.4



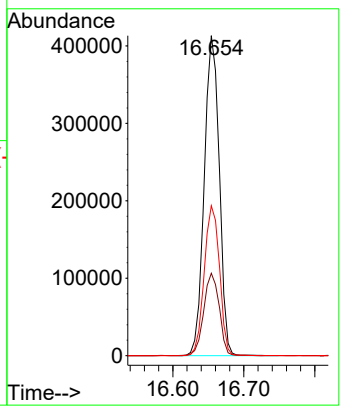


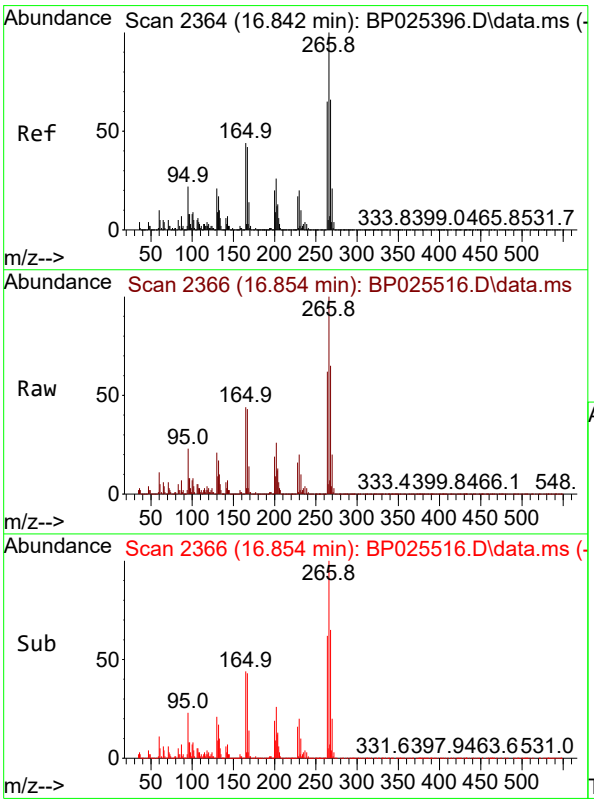
#69
Atrazine
Concen: 48.929 ng
RT: 16.654 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:200 Resp: 609543

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.7	46.7
215	46.9	29.7	69.7

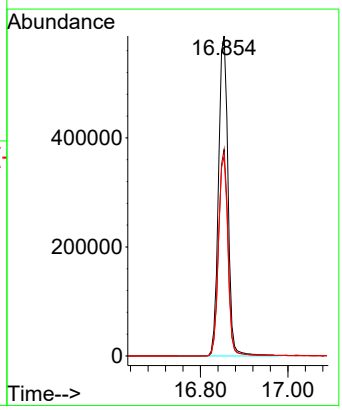


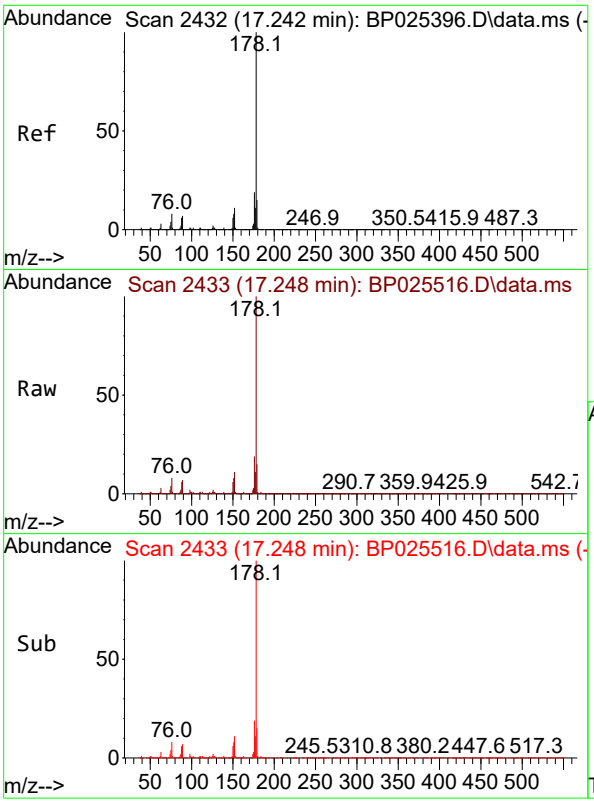


#70
Pentachlorophenol
Concen: 99.646 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:266 Resp: 874797

Ion	Ratio	Lower	Upper
266	100		
268	64.5	52.6	79.0
264	62.3	52.0	78.0



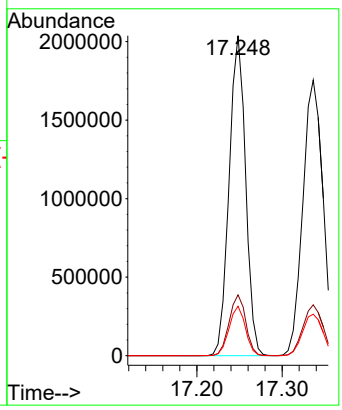


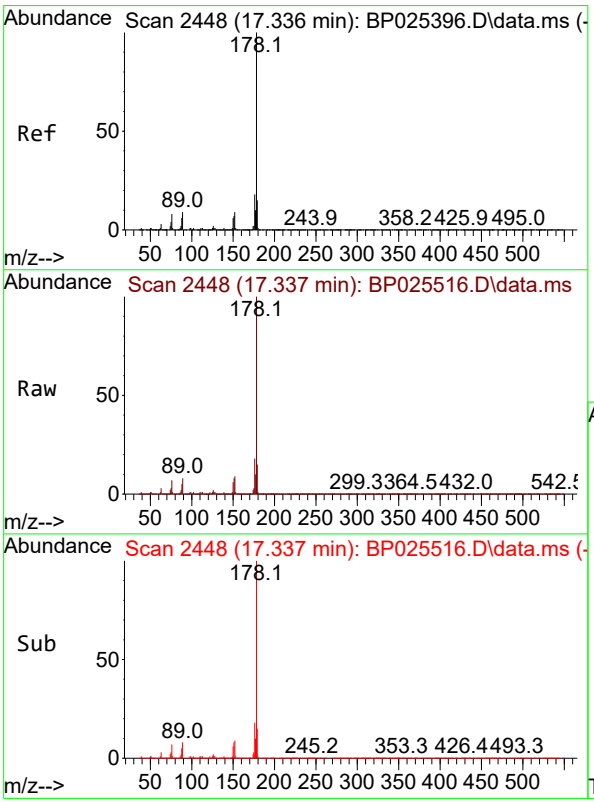
#71
Phenanthrene
Concen: 45.661 ng
RT: 17.248 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:178 Resp: 2736199

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.4	12.2	18.4

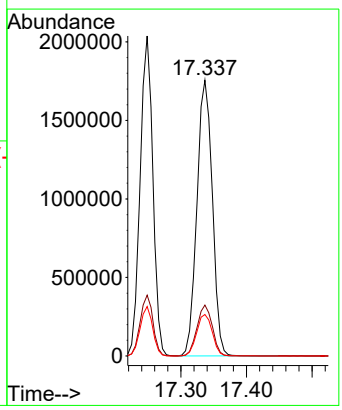


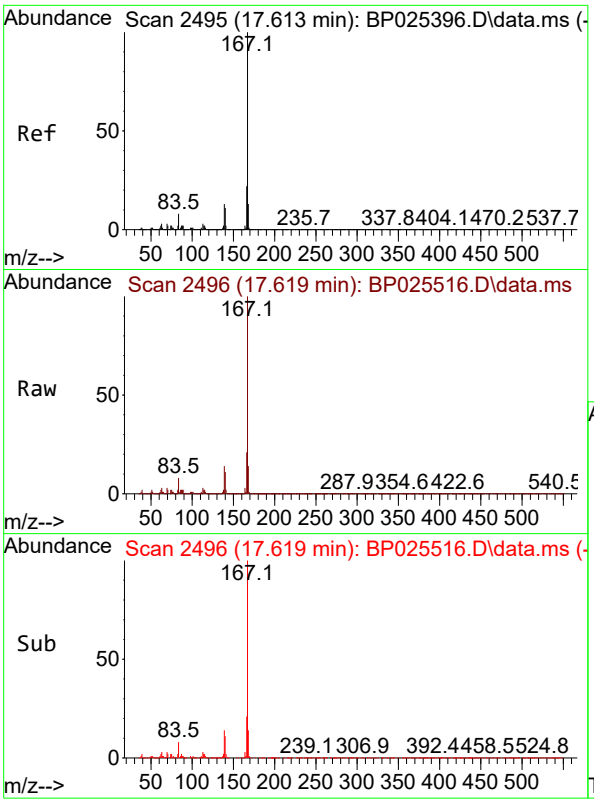


#72
Anthracene
Concen: 47.028 ng
RT: 17.337 min Scan# 2448
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:178 Resp: 2877852

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.0	12.2	18.2



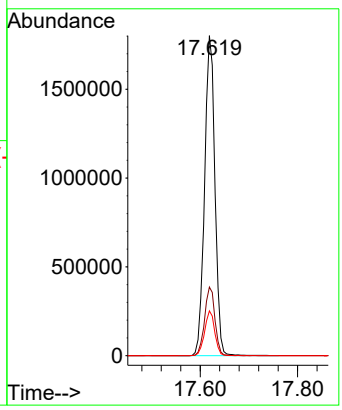


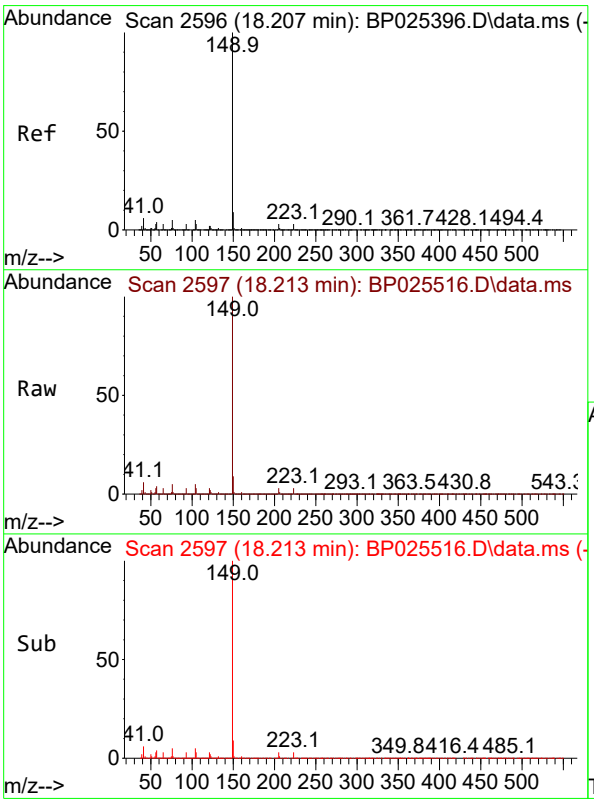
#73
Carbazole
Concen: 45.874 ng
RT: 17.619 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:167 Resp: 2644146

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	14.0	10.6	16.0

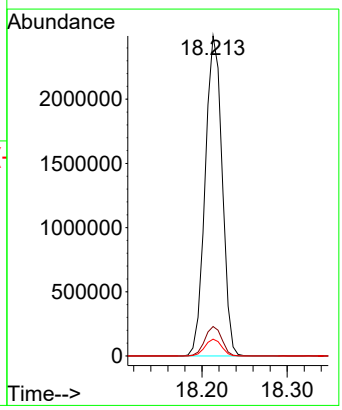


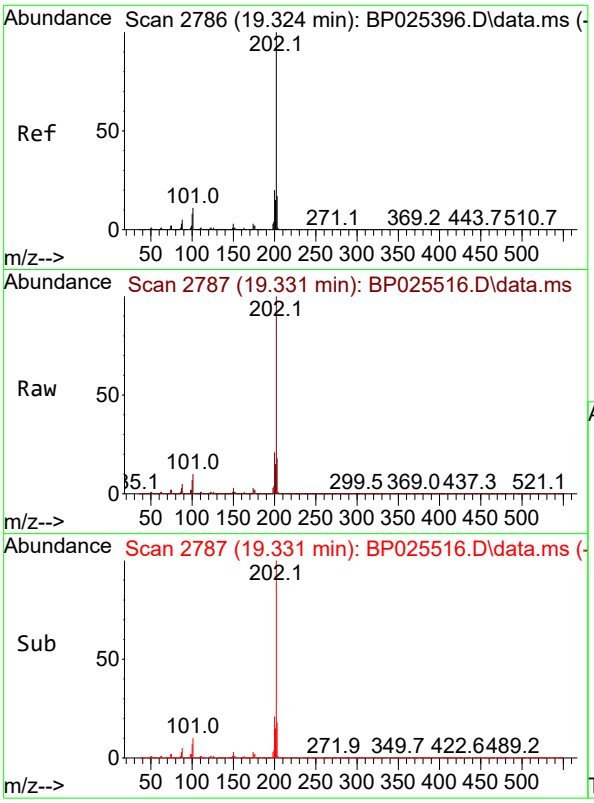


#74
Di-n-butylphthalate
Concen: 48.618 ng
RT: 18.213 min Scan# 2597
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 3447802

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



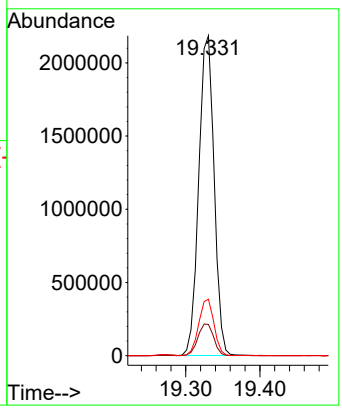


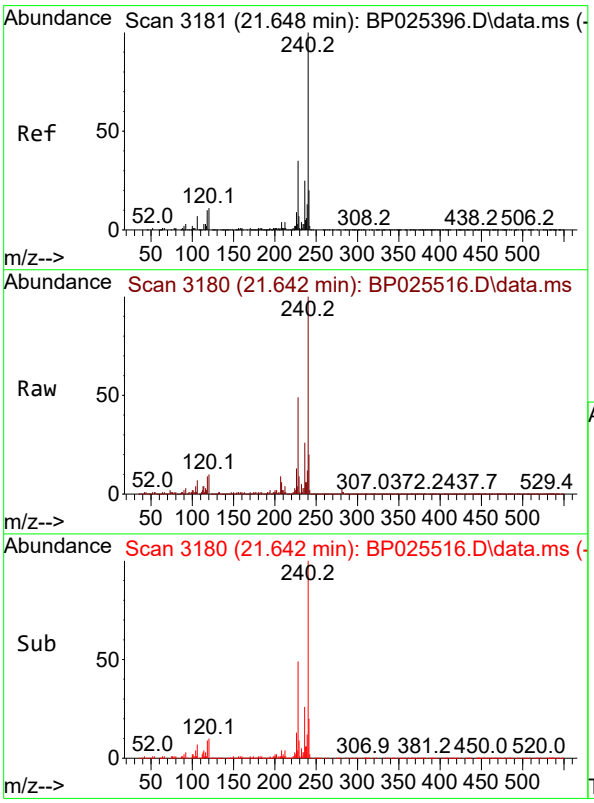
#75
Fluoranthene
Concen: 43.953 ng
RT: 19.331 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:202 Resp: 3141701

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.1
203	17.6	0.0	37.3

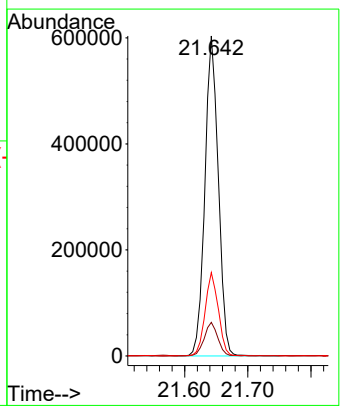


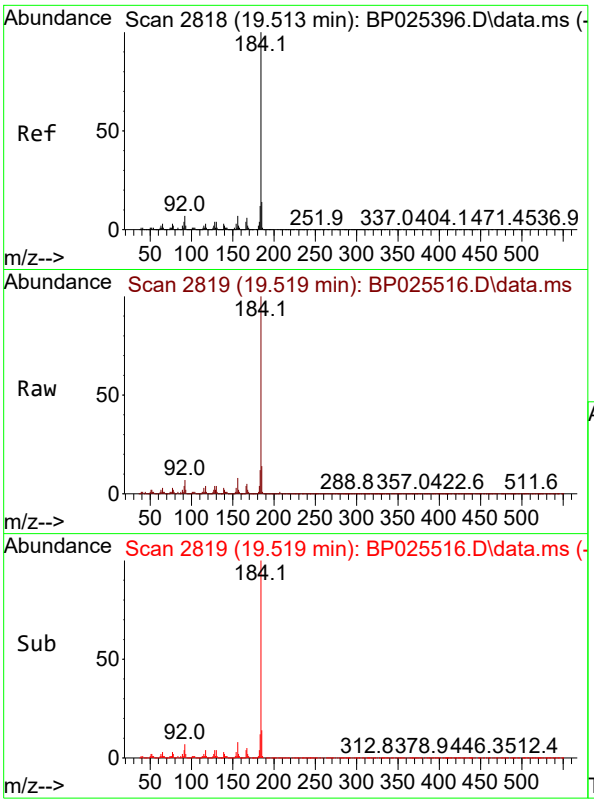


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:240 Resp: 892873

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.9	13.3
236	26.1	19.8	29.8



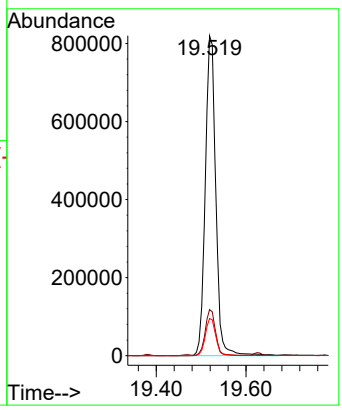


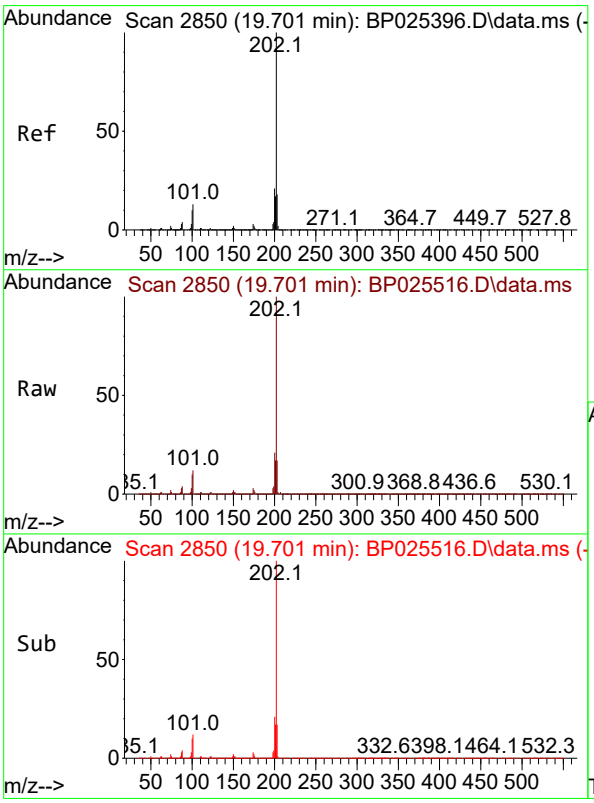
#77
Benzidine
Concen: 43.542 ng
RT: 19.519 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:184 Resp: 1326808

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.6	9.4	14.2

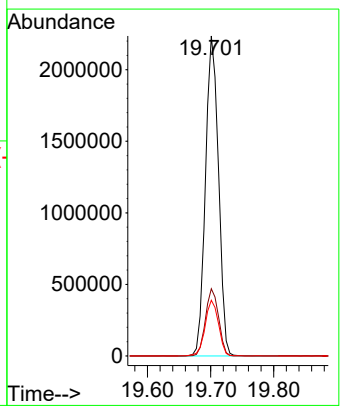


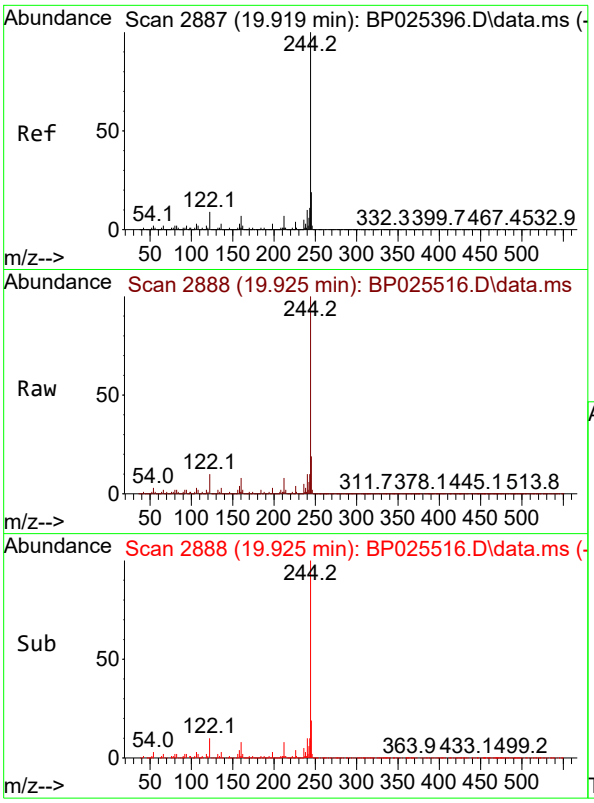


#78
Pyrene
Concen: 55.290 ng
RT: 19.701 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:202 Resp: 3208701

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.4	14.2	21.2



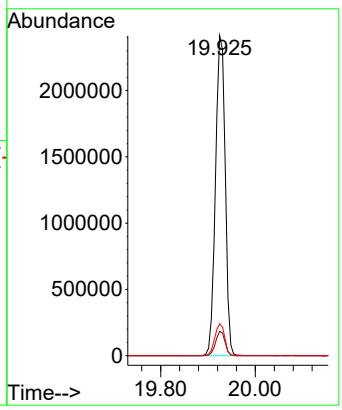


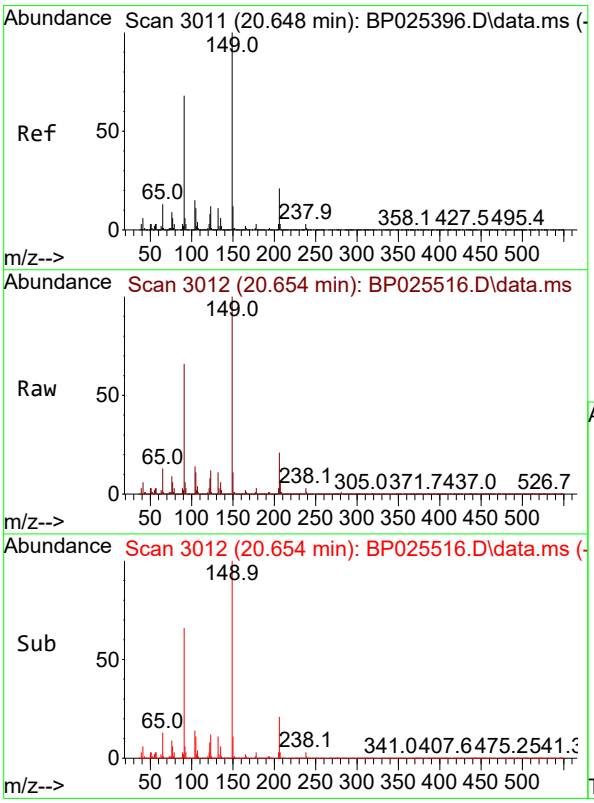
#79
Terphenyl-d14
Concen: 70.370 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:244 Resp: 3434227

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.0	7.4	11.2

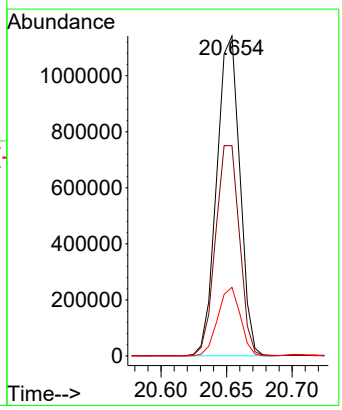


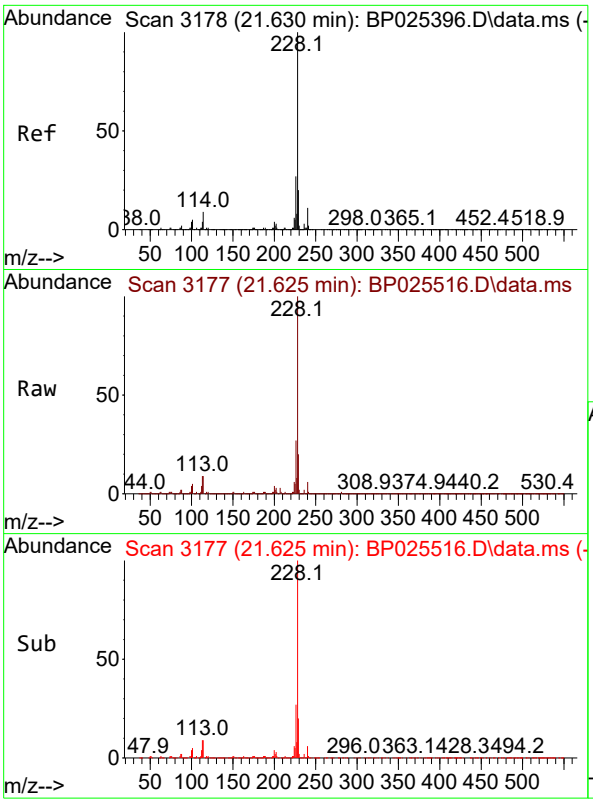


#80
Butylbenzylphthalate
Concen: 53.266 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1400983

Ion	Ratio	Lower	Upper
149	100		
91	65.7	54.2	81.2
206	21.5	16.6	24.8



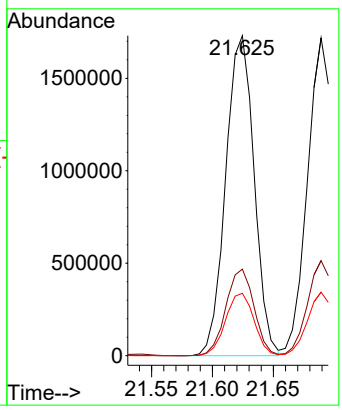


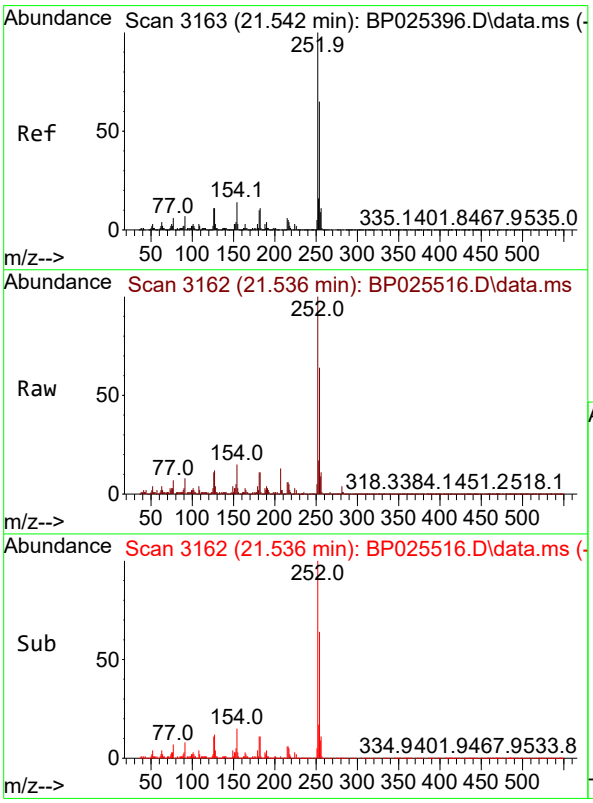
#81
Benzo(a)anthracene
Concen: 47.640 ng
RT: 21.625 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:228 Resp: 2805279

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.5	15.6	23.4

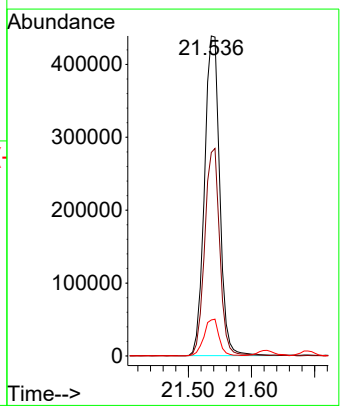


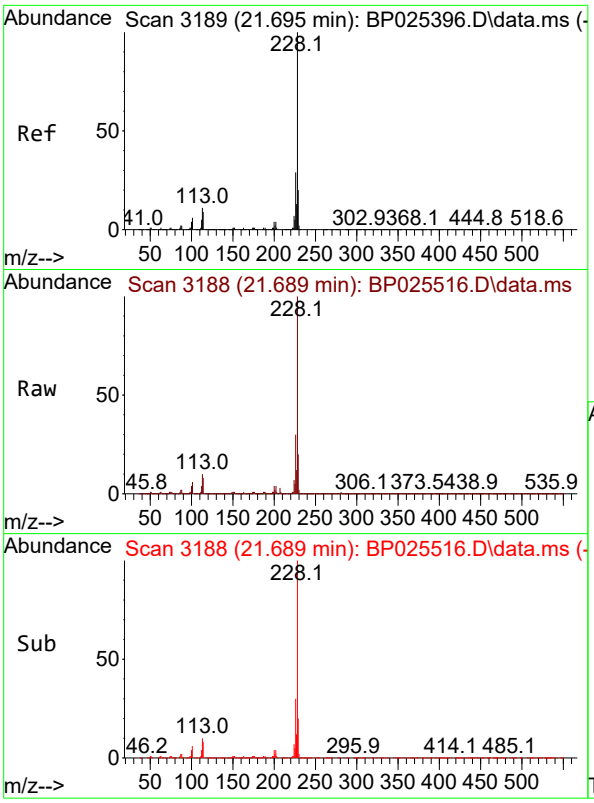


#82
3,3'-Dichlorobenzidine
Concen: 33.021 ng
RT: 21.536 min Scan# 3162
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 732910

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.8	77.6
126	11.2	9.1	13.7



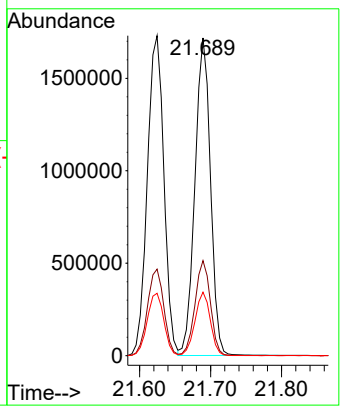


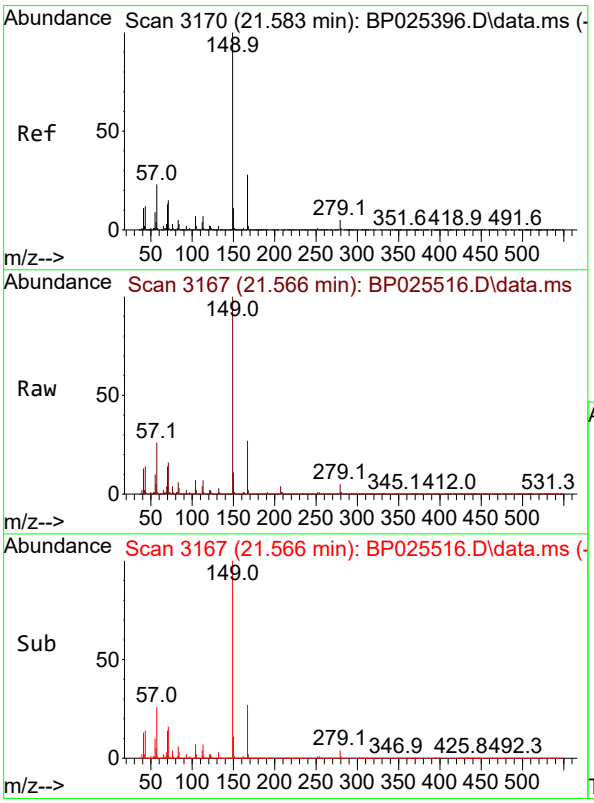
#83
Chrysene
Concen: 47.543 ng
RT: 21.689 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:228 Resp: 2621789

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	20.0	15.6	23.4

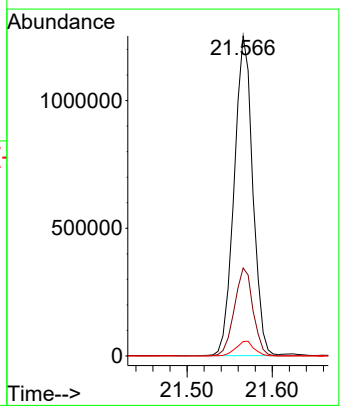


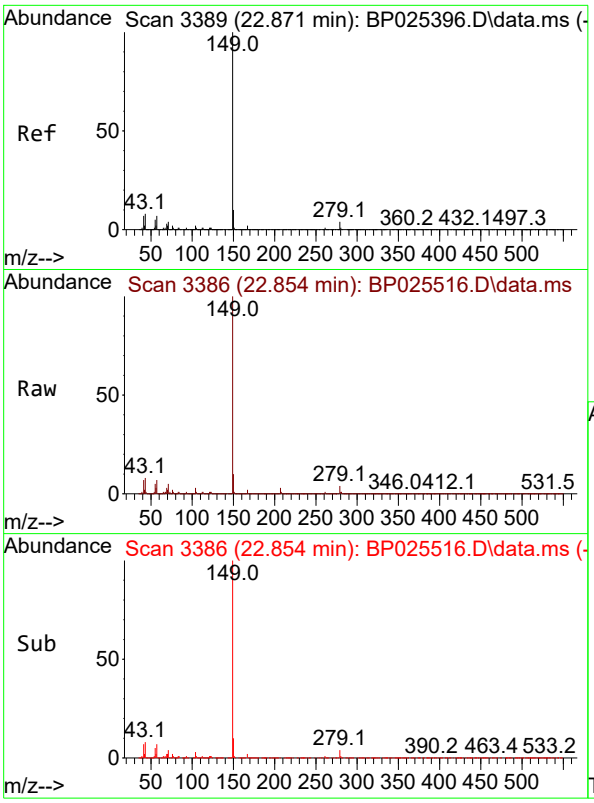


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.987 ng
RT: 21.566 min Scan# 3167
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:149 Resp: 1896634

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.5	3.8	5.6



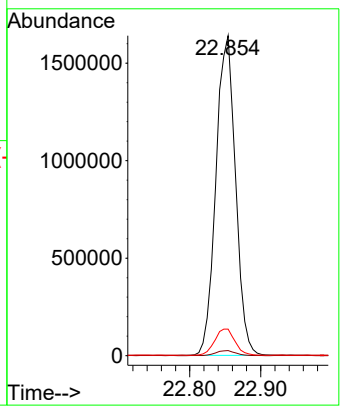


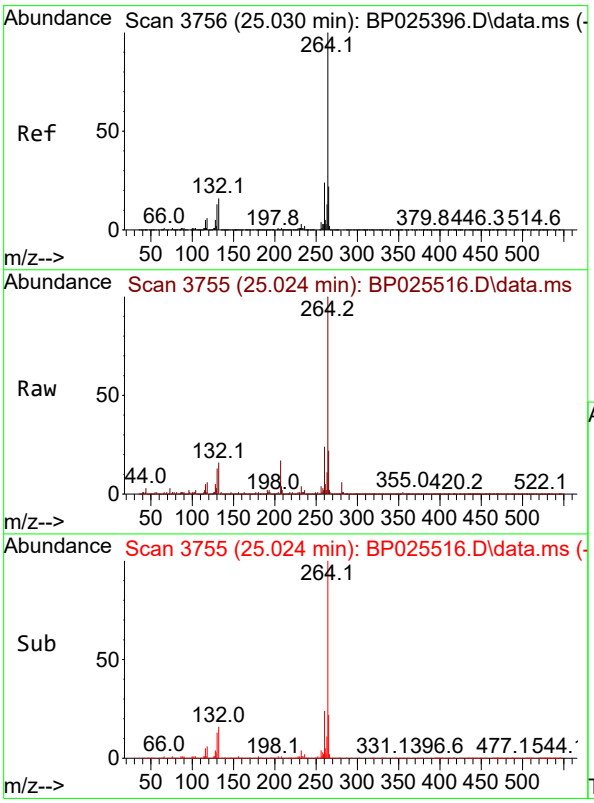
#85
Di-n-octyl phthalate
Concen: 47.102 ng
RT: 22.854 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:149 Resp: 3136775

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.3	9.5

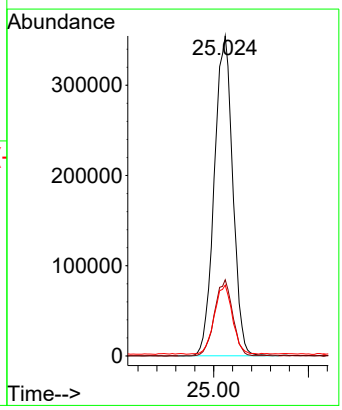


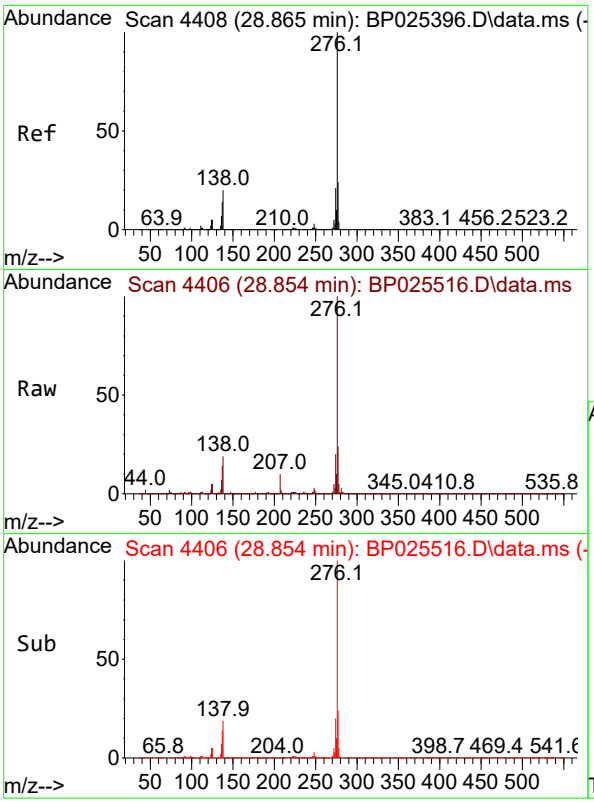


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3755
Delta R.T. -0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:264 Resp: 958463

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.1	17.4	26.0



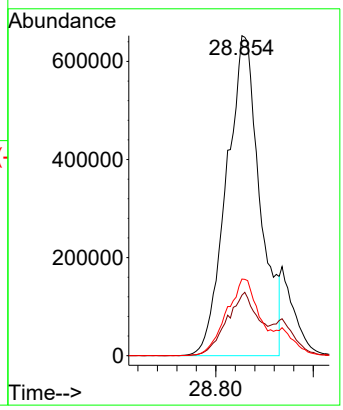


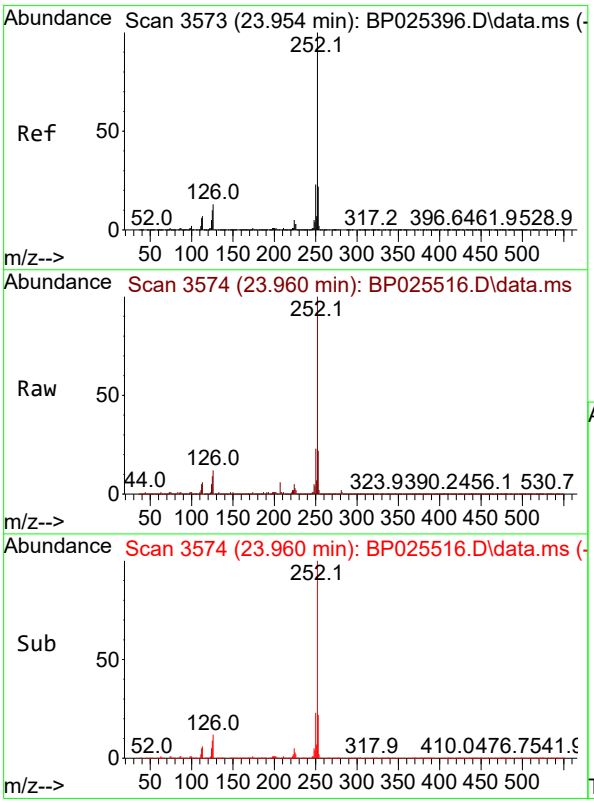
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.205 ng
RT: 28.854 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:276 Resp: 3107131

Ion	Ratio	Lower	Upper
276	100		
138	18.8	12.9	19.3
277	23.6	17.0	25.6

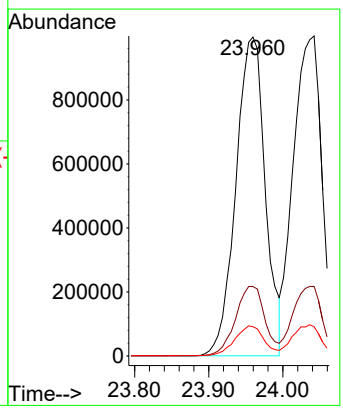


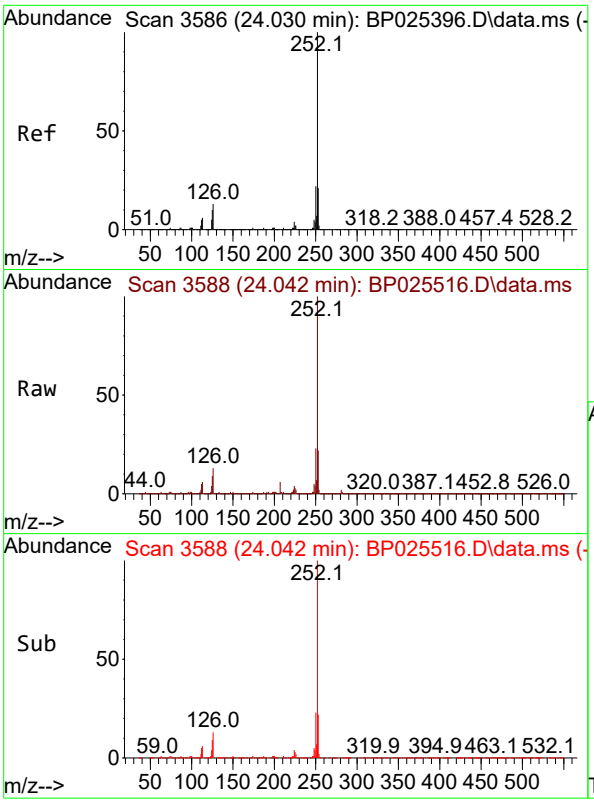


#88
Benzo(b)fluoranthene
Concen: 48.561 ng
RT: 23.960 min Scan# 3574
Delta R.T. 0.006 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 2744537

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.2	7.9	11.9



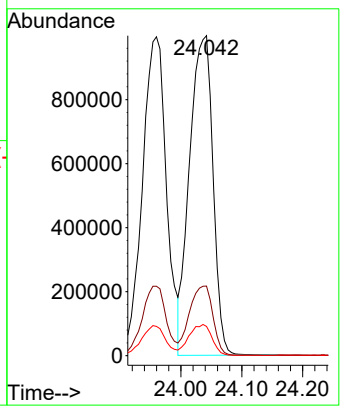


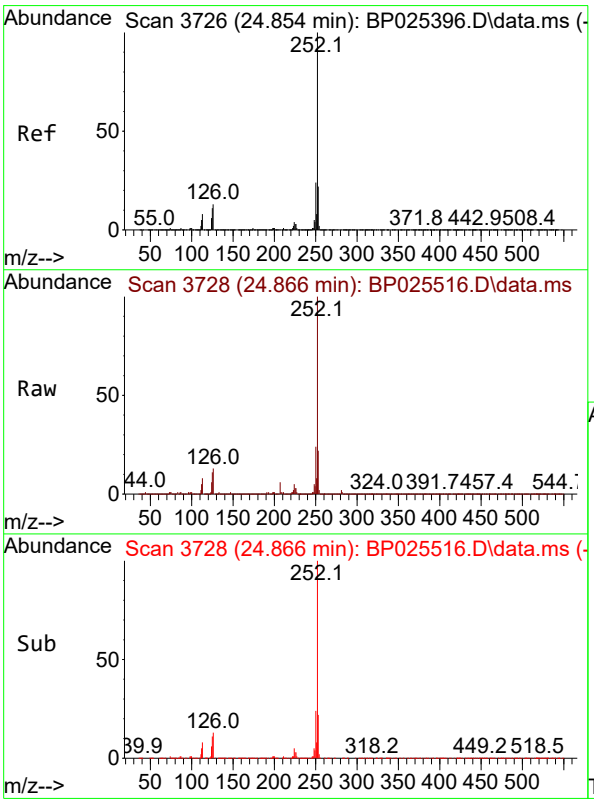
#89
Benzo(k)fluoranthene
Concen: 47.128 ng
RT: 24.042 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:252 Resp: 2665398

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	9.1	7.8	11.6

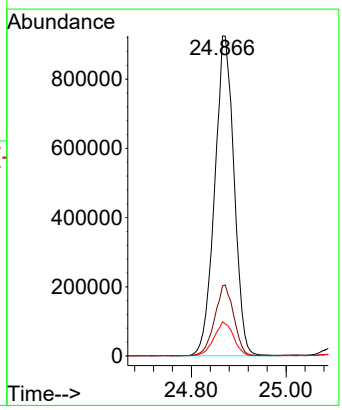


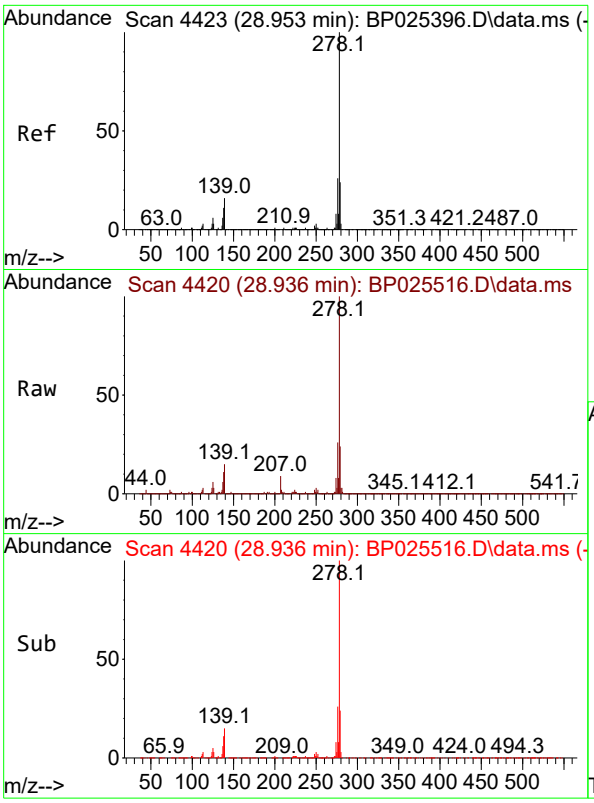


#90
Benzo(a)pyrene
Concen: 47.615 ng
RT: 24.866 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:252 Resp: 2619564

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.7	8.7	13.1



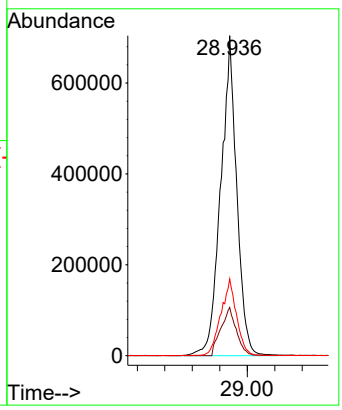


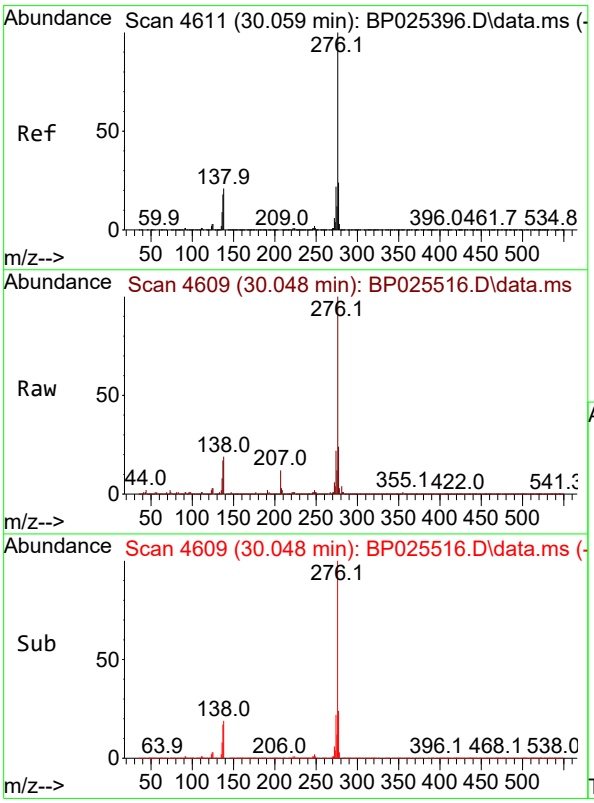
#91
Dibenzo(a,h)anthracene
Concen: 49.664 ng
RT: 28.936 min Scan# 44
Delta R.T. -0.017 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Instrument :
BNA_P
ClientSampleId :
22BP-WMS

Tgt Ion:278 Resp: 2852762

Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.0	19.4
279	24.0	19.4	29.2

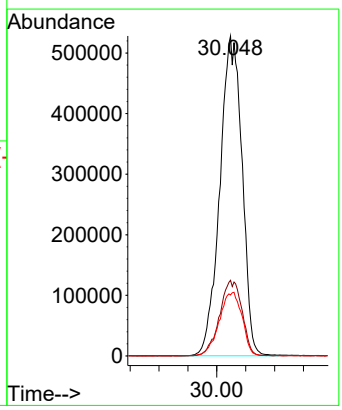




#92
Benzo(g,h,i)perylene
Concen: 49.963 ng
RT: 30.048 min Scan# 4609
Delta R.T. -0.012 min
Lab File: BP025516.D
Acq: 20 Aug 2025 21:11

Tgt Ion:276 Resp: 2821095

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.0
138	19.1	16.7	25.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.790	152	184860	20.000	ng		0.00
21) Naphthalene-d8	10.560	136	722280	20.000	ng		0.00
39) Acenaphthene-d10	14.396	164	447048	20.000	ng		-0.01
64) Phenanthrene-d10	17.207	188	890323	20.000	ng		0.00
76) Chrysene-d12	21.654	240	903947	20.000	ng		0.00
86) Perylene-d12	25.019	264	1025346	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.408	112	1144678	102.833	ng		0.00
7) Phenol-d6	6.967	99	1445596	101.293	ng		0.00
23) Nitrobenzene-d5	8.931	82	936777	65.608	ng		0.00
42) 2,4,6-Tribromophenol	15.919	330	623372	103.597	ng		0.00
45) 2-Fluorobiphenyl	13.019	172	1983638	60.642	ng		0.00
79) Terphenyl-d14	19.925	244	2999909	60.718	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	182983	41.967	ng		98
3) Pyridine	3.726	79	493698	41.368	ng		95
4) n-Nitrosodimethylamine	3.631	42	247455	50.295	ng		93
6) Aniline	7.119	93	649735	33.790	ng		97
8) 2-Chlorophenol	7.361	128	608568	48.448	ng		100
9) Benzaldehyde	6.937	77	285008	28.504	ng		97
10) Phenol	6.996	94	715775	47.797	ng		96
11) bis(2-Chloroethyl)ether	7.214	93	538406	46.128	ng		97
12) 1,3-Dichlorobenzene	7.678	146	650335	46.952	ng		99
13) 1,4-Dichlorobenzene	7.825	146	649360	45.868	ng		100
14) 1,2-Dichlorobenzene	8.137	146	625644	45.653	ng		99
15) Benzyl Alcohol	8.025	79	528480	46.605	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.308	45	736456	47.100	ng		98
17) 2-Methylphenol	8.225	107	484474	46.581	ng		99
18) Hexachloroethane	8.861	117	249463	47.925	ng		97
19) n-Nitroso-di-n-propyla...	8.584	70	405488	42.894	ng		95
20) 3+4-Methylphenols	8.549	107	658121	45.649	ng		96
22) Acetophenone	8.596	105	852338	47.056	ng	#	97
24) Nitrobenzene	8.966	77	613843	48.104	ng		99
25) Isophorone	9.496	82	1155702	45.736	ng		98
26) 2-Nitrophenol	9.672	139	323093	49.335	ng		96
27) 2,4-Dimethylphenol	9.737	122	533447	47.366	ng		96
28) bis(2-Chloroethoxy)met...	9.966	93	707355	46.309	ng		99
29) 2,4-Dichlorophenol	10.213	162	555155	49.622	ng		98
30) 1,2,4-Trichlorobenzene	10.419	180	572771	46.702	ng		97
31) Naphthalene	10.613	128	1739431	46.334	ng		99
32) Benzoic acid	9.890	122	431194	51.860	ng		96
33) 4-Chloroaniline	10.708	127	377734	22.779	ng		99
34) Hexachlorobutadiene	10.902	225	370916	48.563	ng		98
35) Caprolactam	11.502	113	187670	45.747	ng		95
36) 4-Chloro-3-methylphenol	11.837	107	615878	47.974	ng		97
37) 2-Methylnaphthalene	12.213	142	1096821	44.896	ng		98
38) 1-Methylnaphthalene	12.437	142	1157054	44.535	ng		100
40) 1,2,4,5-Tetrachloroben...	12.584	216	625693	48.461	ng		98
41) Hexachlorocyclopentadiene	12.566	237	802842	102.943	ng		99
43) 2,4,6-Trichlorophenol	12.825	196	442620	50.780	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

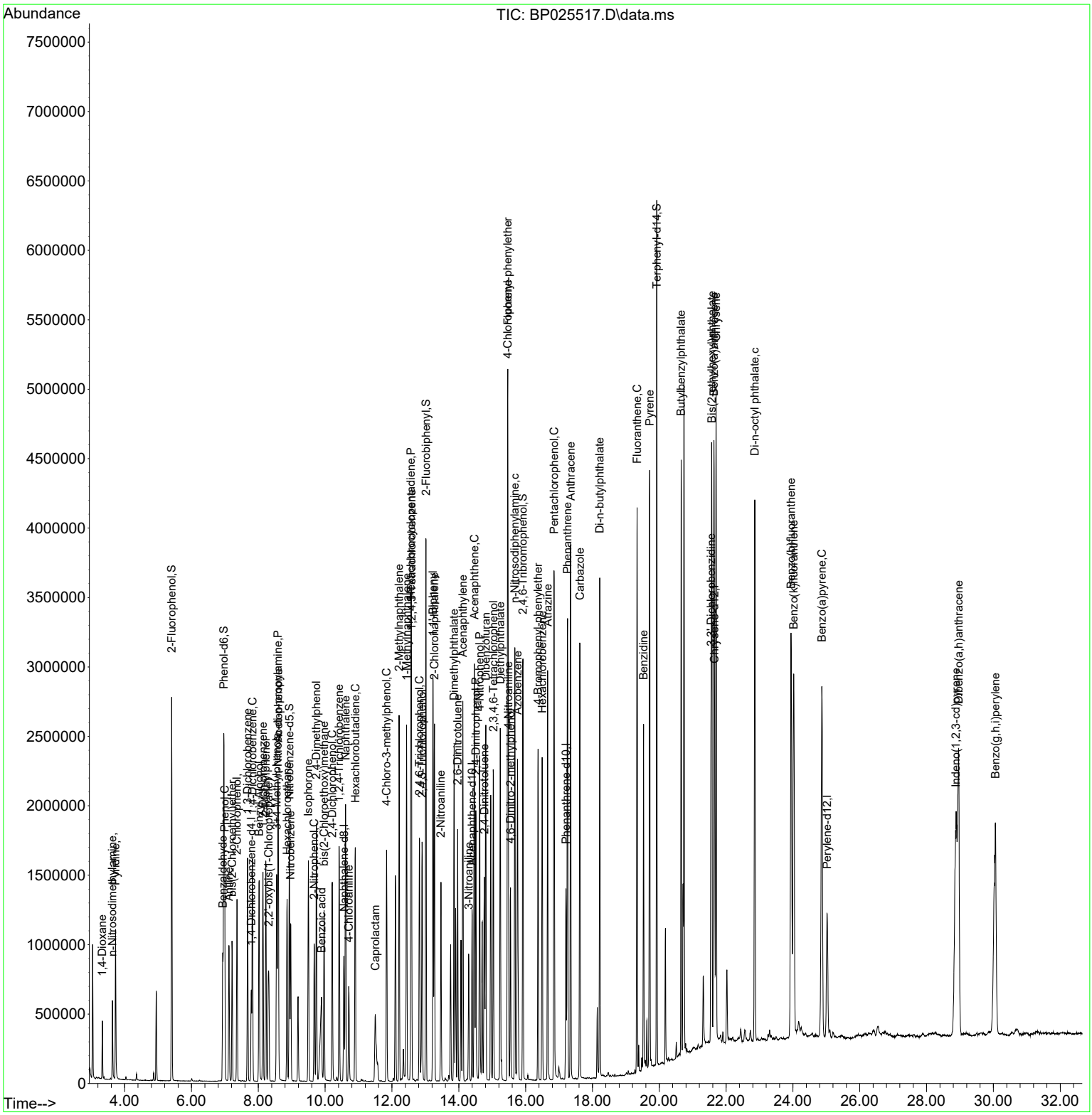
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	490354	51.330	ng		99
46) 1,1'-Biphenyl	13.231	154	1568313	48.304	ng		99
47) 2-Chloronaphthalene	13.272	162	1201838	47.550	ng		99
48) 2-Nitroaniline	13.466	65	380529	51.670	ng		98
49) Acenaphthylene	14.119	152	2000907	47.841	ng		100
50) Dimethylphthalate	13.860	163	1548844	47.312	ng		100
51) 2,6-Dinitrotoluene	13.966	165	342534	49.643	ng		95
52) Acenaphthene	14.466	154	1145454	46.659	ng		98
53) 3-Nitroaniline	14.296	138	234663	30.228	ng		92
54) 2,4-Dinitrophenol	14.513	184	436661	118.504	ng		98
55) Dibenzofuran	14.807	168	1839493	47.393	ng		98
56) 4-Nitrophenol	14.625	139	653354	102.419	ng		93
57) 2,4-Dinitrotoluene	14.766	165	502093	51.002	ng		97
58) Fluorene	15.466	166	1413344	46.148	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	422581	50.097	ng		98
60) Diethylphthalate	15.243	149	1602496	48.175	ng		100
61) 4-Chlorophenyl-phenyle...	15.460	204	704890	46.278	ng		97
62) 4-Nitroaniline	15.484	138	380825	47.851	ng		96
63) Azobenzene	15.760	77	1553558	54.544	ng		98
65) 4,6-Dinitro-2-methylph...	15.548	198	287397	51.785	ng		92
66) n-Nitrosodiphenylamine	15.678	169	1274387	46.939	ng		99
67) 4-Bromophenyl-phenylether	16.372	248	460977	47.077	ng		95
68) Hexachlorobenzene	16.495	284	537114	47.319	ng		100
69) Atrazine	16.660	200	502043	49.377	ng		98
70) Pentachlorophenol	16.854	266	733038	102.305	ng		98
71) Phenanthrene	17.254	178	2332780	47.697	ng		100
72) Anthracene	17.348	178	2303551	46.121	ng		100
73) Carbazole	17.625	167	2239338	47.601	ng		99
74) Di-n-butylphthalate	18.219	149	2892663	49.977	ng		100
75) Fluoranthene	19.336	202	2780027	47.653	ng		99
77) Benzidine	19.531	184	1311867	42.524	ng		99
78) Pyrene	19.713	202	2862551	48.721	ng		99
80) Butylbenzylphthalate	20.654	149	1352098	50.777	ng		99
81) Benzo(a)anthracene	21.636	228	2870654	48.153	ng		100
82) 3,3'-Dichlorobenzidine	21.548	252	747438	33.263	ng		99
83) Chrysene	21.701	228	2684186	48.078	ng		99
84) Bis(2-ethylhexyl)phtha...	21.572	149	1972886	50.332	ng		99
85) Di-n-octyl phthalate	22.860	149	3483541	51.668	ng		99
87) Indeno(1,2,3-cd)pyrene	28.871	276	1787509	23.772	ng	#	78
88) Benzo(b)fluoranthene	23.942	252	3016187	49.886	ng		99
89) Benzo(k)fluoranthene	24.024	252	2975796	49.184	ng		99
90) Benzo(a)pyrene	24.866	252	2906291	49.381	ng		100
91) Dibenzo(a,h)anthracene	28.959	278	3060770	49.809	ng		98
92) Benzo(g,h,i)perylene	30.059	276	3035965	50.261	ng		99

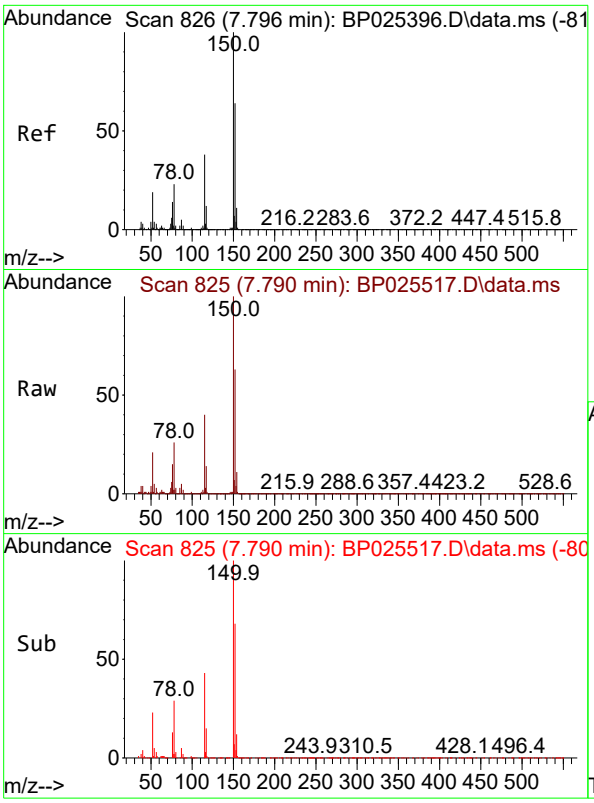
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025517.D
Acq On : 20 Aug 2025 21:52
Operator : CG/JU
Sample : Q2819-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Quant Time: Aug 21 01:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



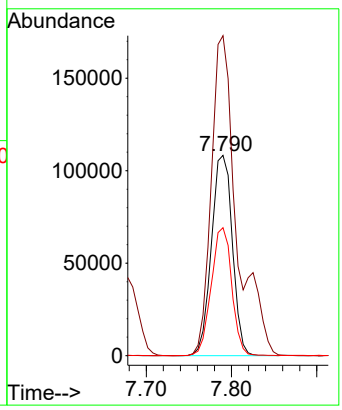


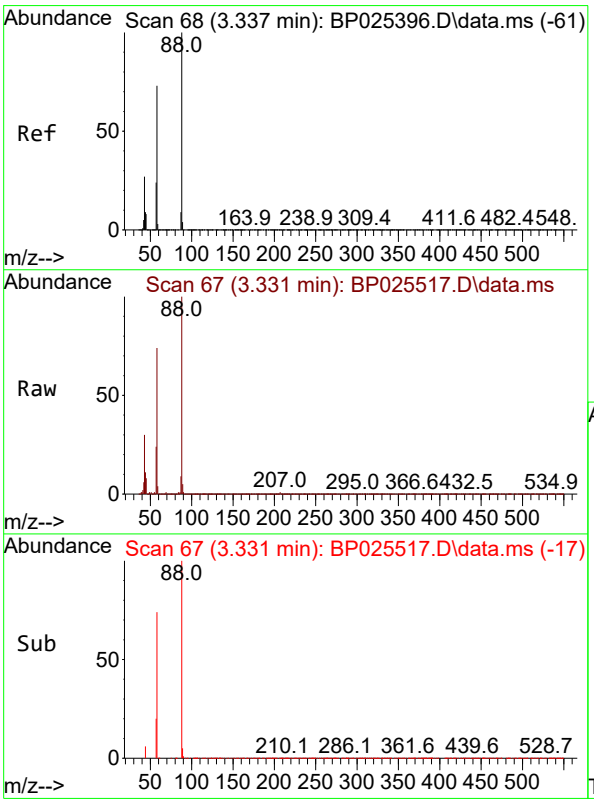
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:152 Resp: 184860

Ion	Ratio	Lower	Upper
152	100		
150	159.8	125.9	188.9
115	63.9	48.5	72.7

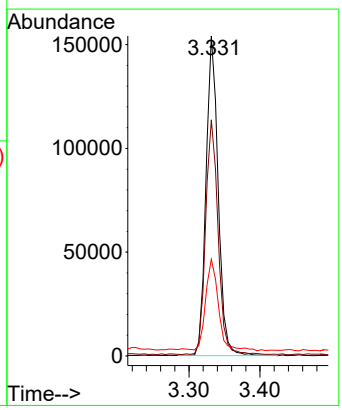


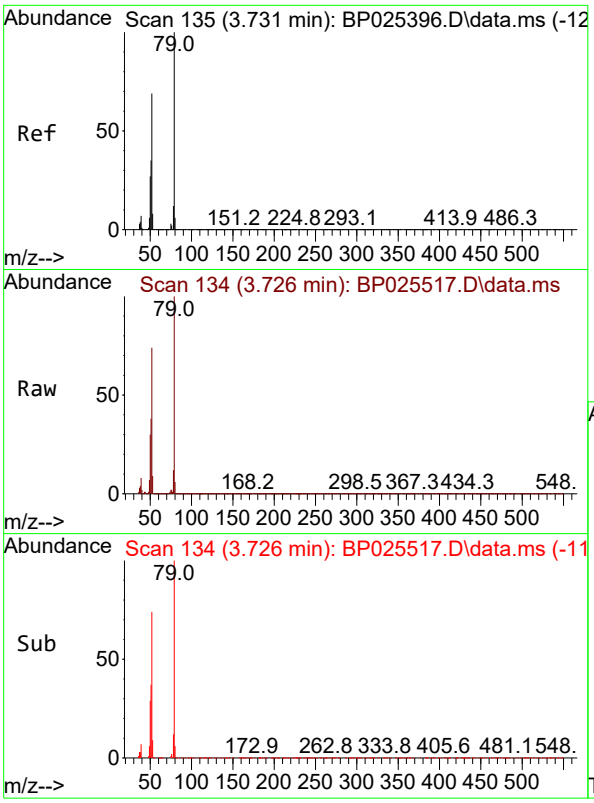


#2
1,4-Dioxane
Concen: 41.967 ng
RT: 3.331 min Scan# 67
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 88 Resp: 182983

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.2	88.8
43	29.6	21.7	32.5



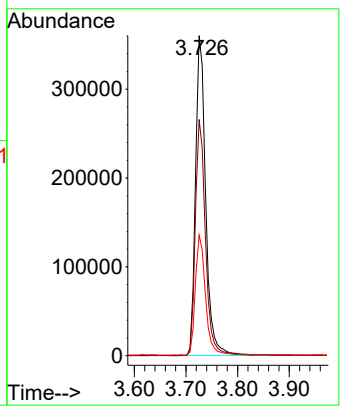


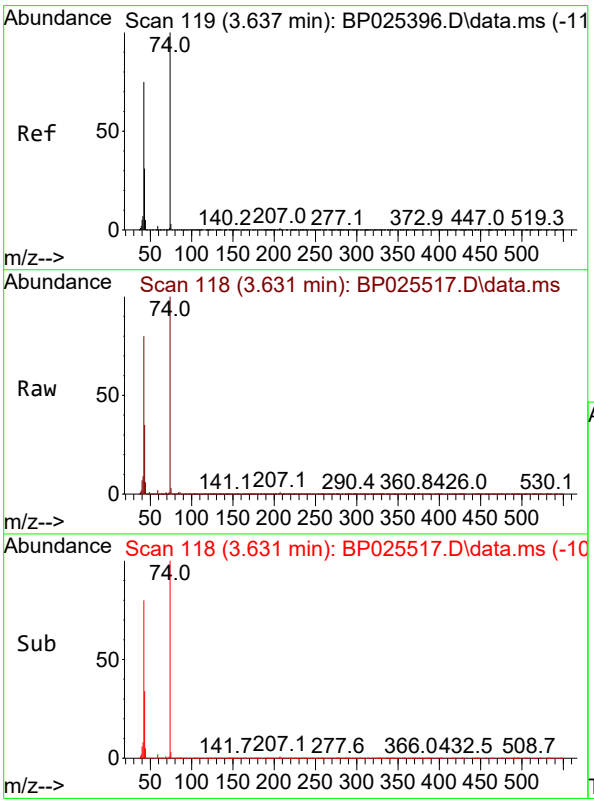
#3
Pyridine
Concen: 41.368 ng
RT: 3.726 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 79 Resp: 493698

Ion	Ratio	Lower	Upper
79	100		
52	73.8	55.5	83.3
51	37.6	28.3	42.5

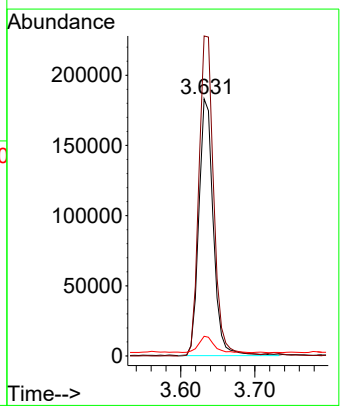


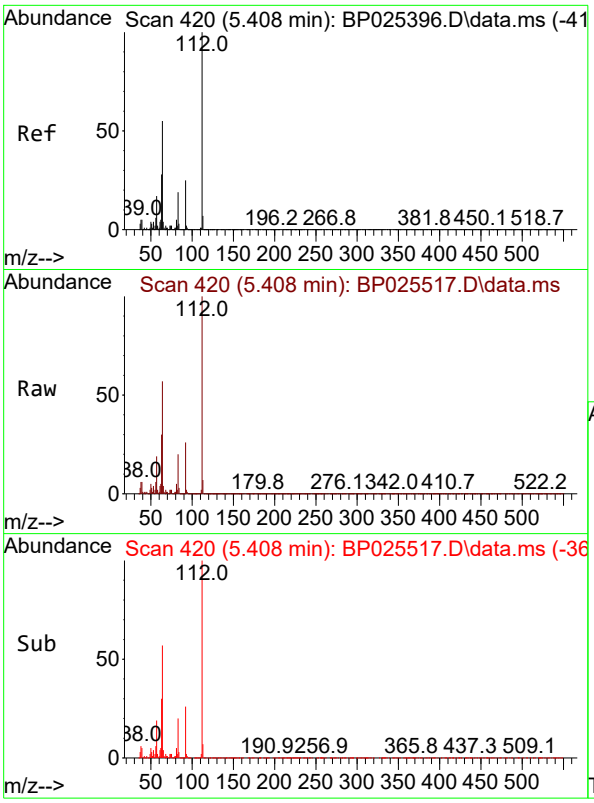


#4
n-Nitrosodimethylamine
Concen: 50.295 ng
RT: 3.631 min Scan# 118
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 42 Resp: 247455

Ion	Ratio	Lower	Upper
42	100		
74	124.4	107.0	160.4
44	7.6	6.2	9.4



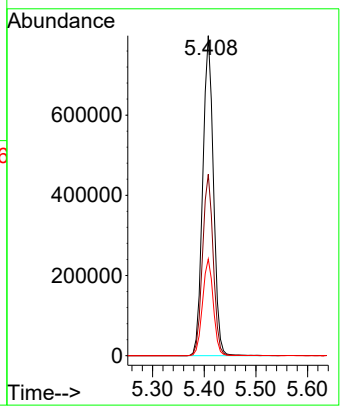


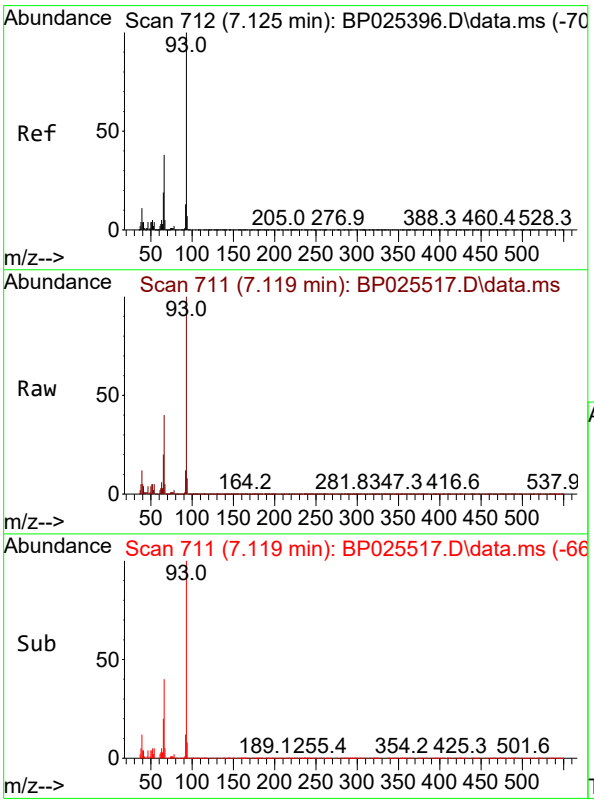
#5
2-Fluorophenol
Concen: 102.833 ng
RT: 5.408 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:112 Resp: 1144678

Ion	Ratio	Lower	Upper
112	100		
64	56.7	43.8	65.8
63	30.2	22.7	34.1

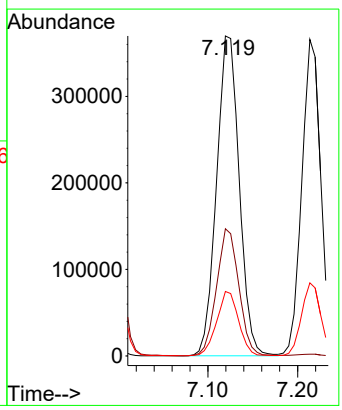


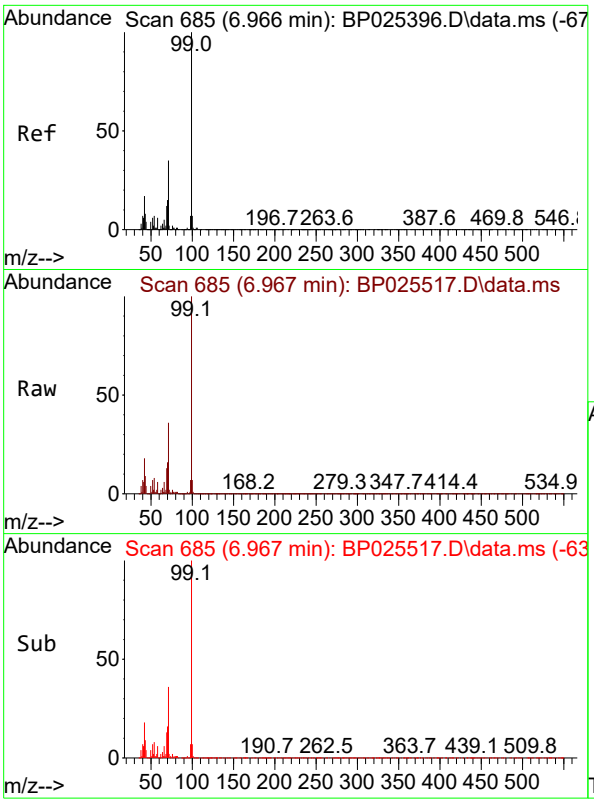


#6
Aniline
Concen: 33.790 ng
RT: 7.119 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 93 Resp: 649735

Ion	Ratio	Lower	Upper
93	100		
66	39.8	30.4	45.6
65	20.1	15.3	22.9



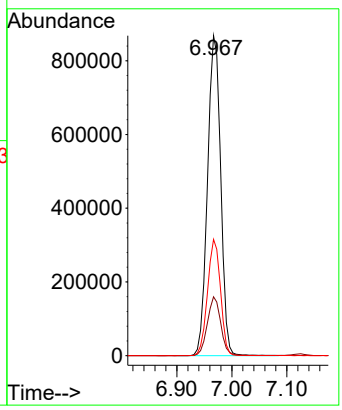


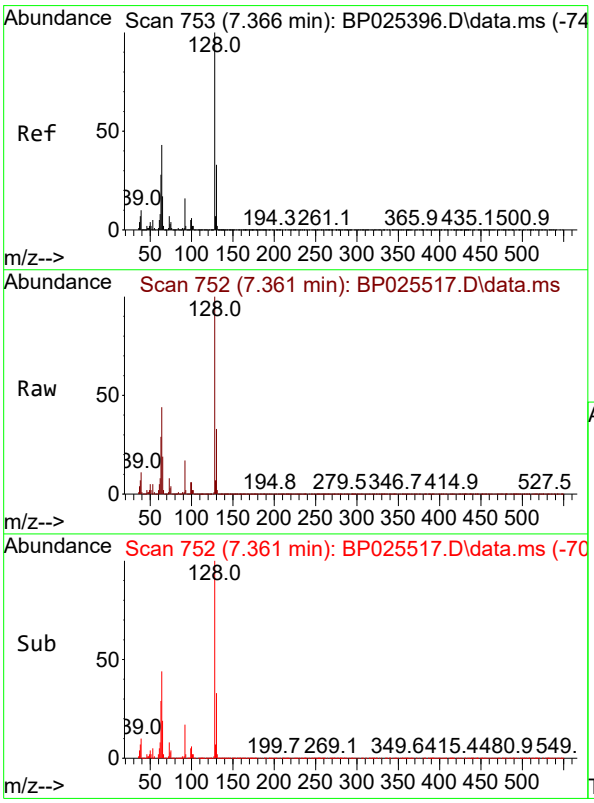
#7
Phenol-d6
Concen: 101.293 ng
RT: 6.967 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 99 Resp: 1445596

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.7	20.5
71	36.4	28.2	42.4

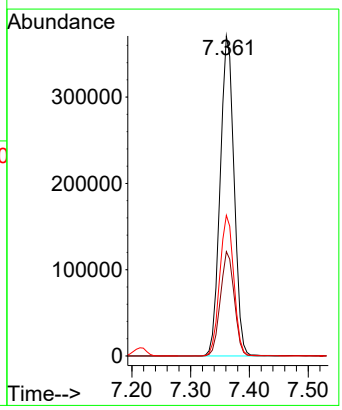


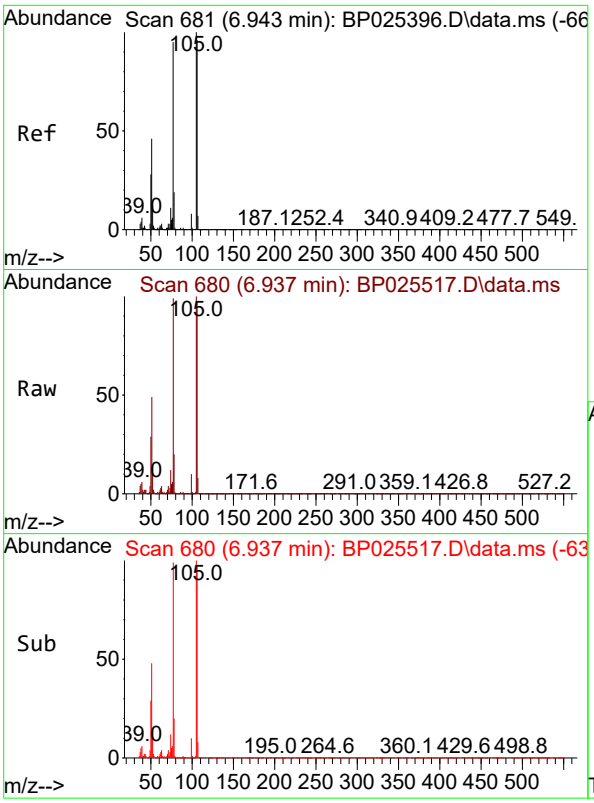


#8
2-Chlorophenol
Concen: 48.448 ng
RT: 7.361 min Scan# 752
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:128 Resp: 608568

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	44.0	23.4	63.4



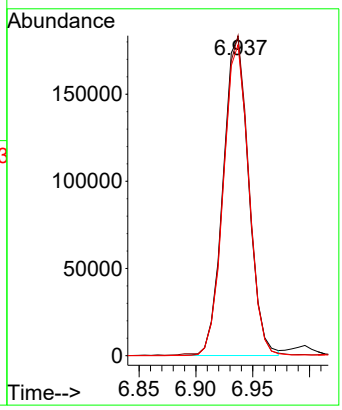


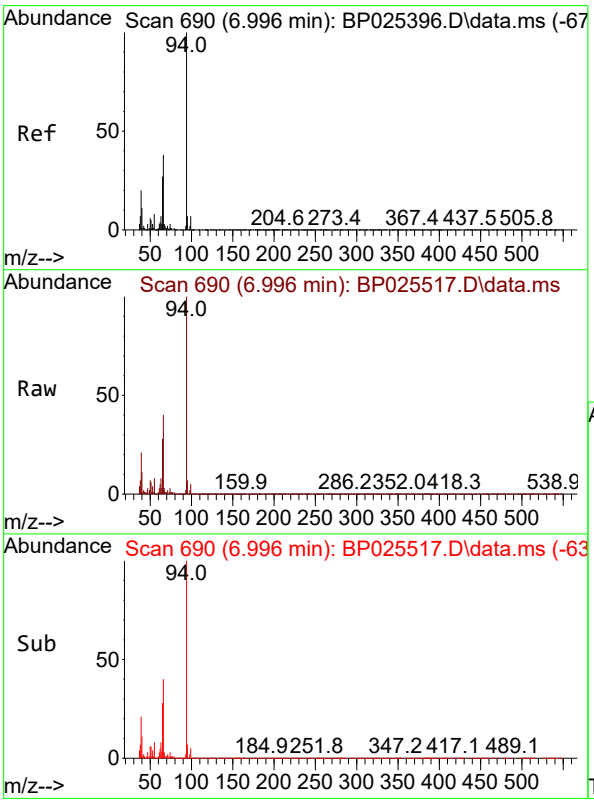
#9
Benzaldehyde
Concen: 28.504 ng
RT: 6.937 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 77 Resp: 285008

Ion	Ratio	Lower	Upper
77	100		
105	100.8	84.8	124.8
106	97.9	80.5	120.5

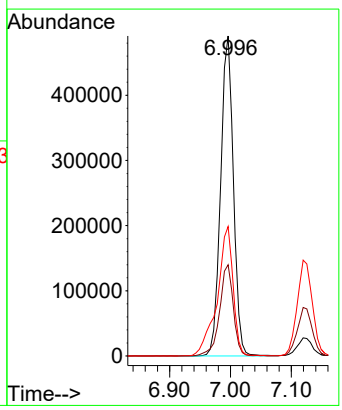


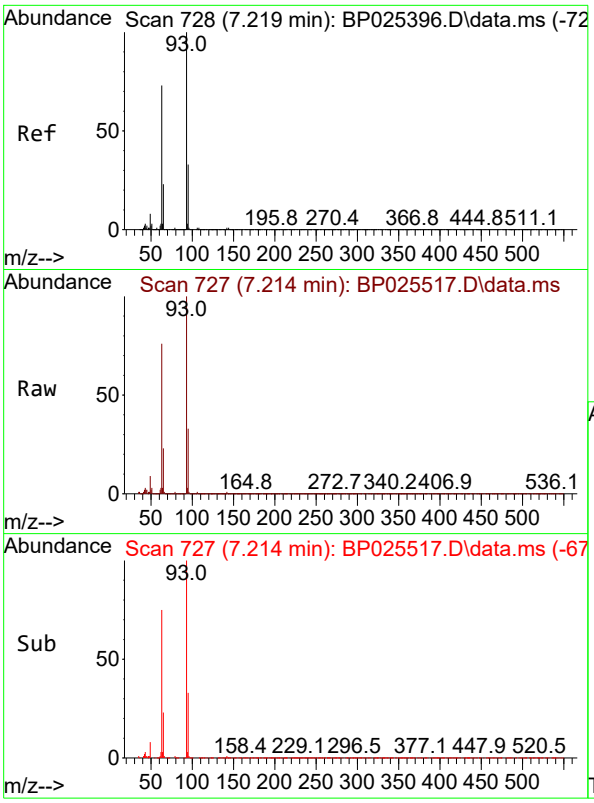


#10
Phenol
Concen: 47.797 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 94 Resp: 715775

Ion	Ratio	Lower	Upper
94	100		
65	28.5	6.8	46.8
66	40.5	18.2	58.2



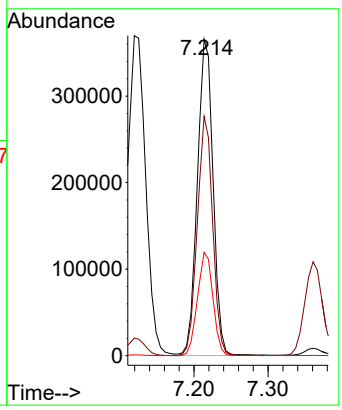


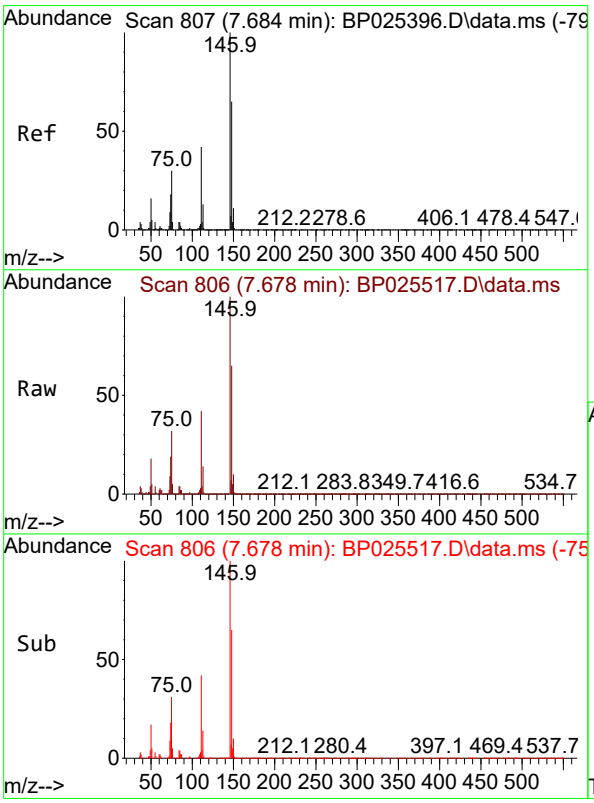
#11
bis(2-Chloroethyl)ether
Concen: 46.128 ng
RT: 7.214 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 93 Resp: 538406

Ion	Ratio	Lower	Upper
93	100		
63	75.6	52.6	92.6
95	32.7	12.7	52.7

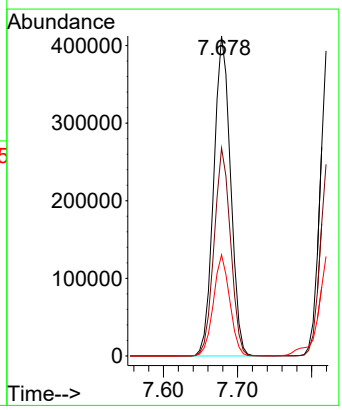


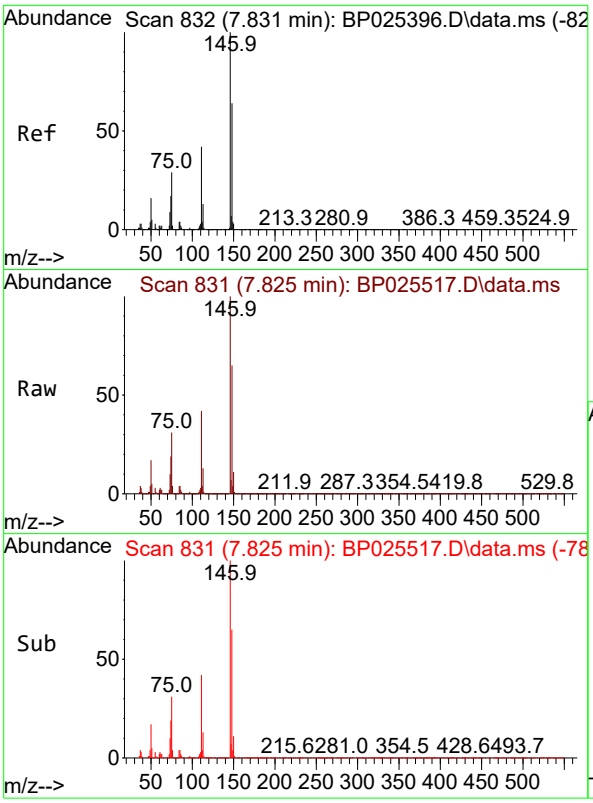


#12
1,3-Dichlorobenzene
Concen: 46.952 ng
RT: 7.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:146 Resp: 650335

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.9	77.9
75	31.6	23.7	35.5



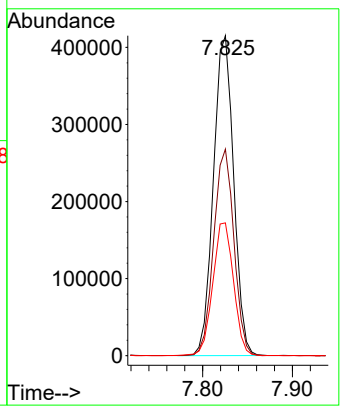


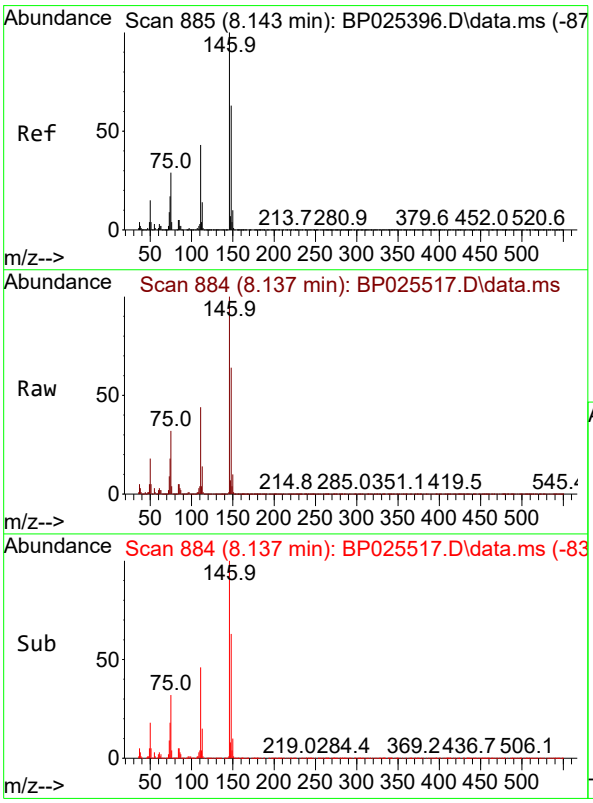
#13
1,4-Dichlorobenzene
Concen: 45.868 ng
RT: 7.825 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:146 Resp: 649360

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
111	41.5	33.4	50.0

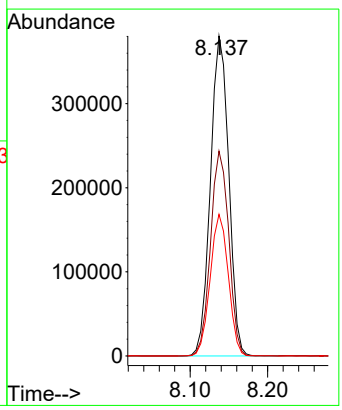


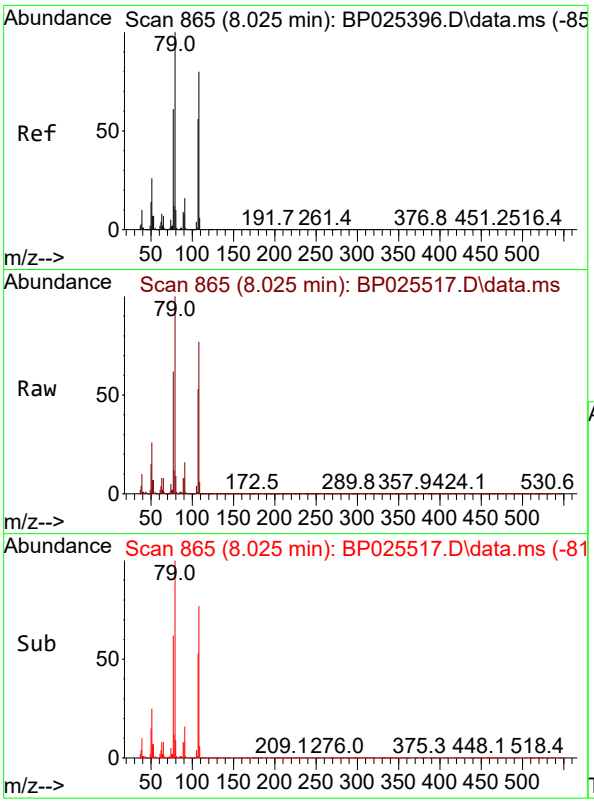


#14
1,2-Dichlorobenzene
Concen: 45.653 ng
RT: 8.137 min Scan# 884
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:146 Resp: 625644

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	44.2	34.5	51.7



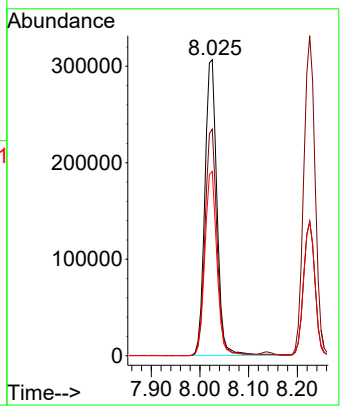


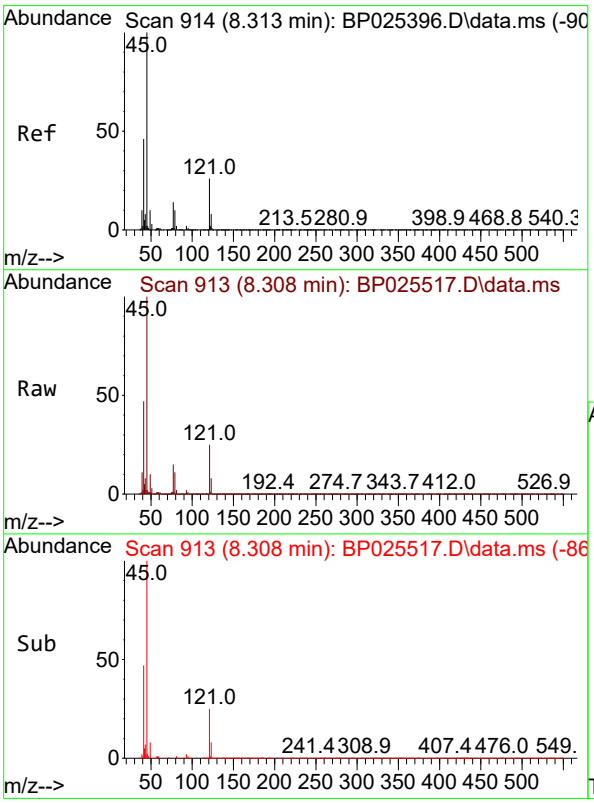
#15
Benzyl Alcohol
Concen: 46.605 ng
RT: 8.025 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 79 Resp: 528480

Ion	Ratio	Lower	Upper
79	100		
108	76.5	63.8	95.6
77	62.2	49.0	73.4

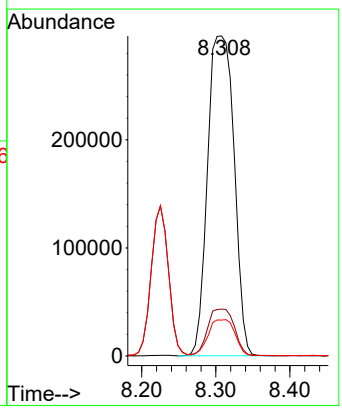


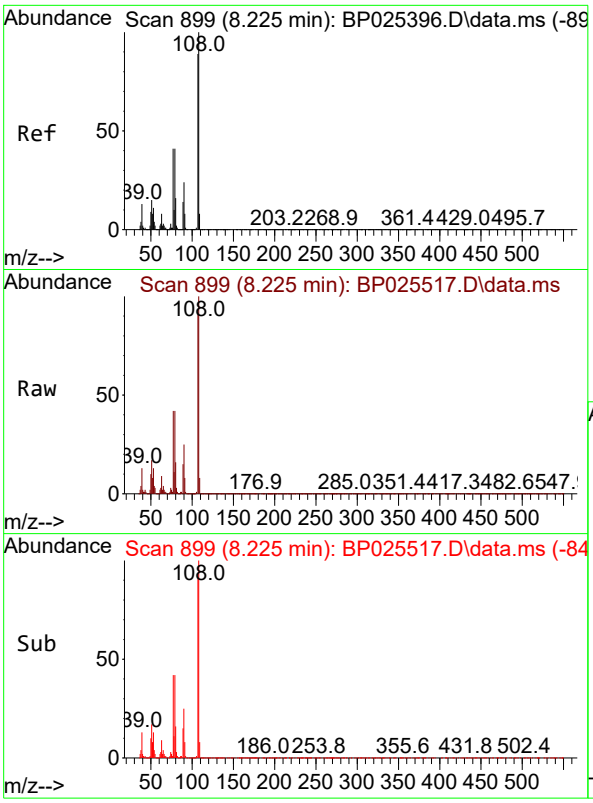


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.100 ng
RT: 8.308 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 45 Resp: 736456

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	35.3
79	11.2	0.0	31.8



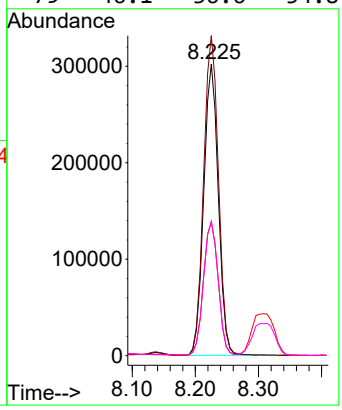


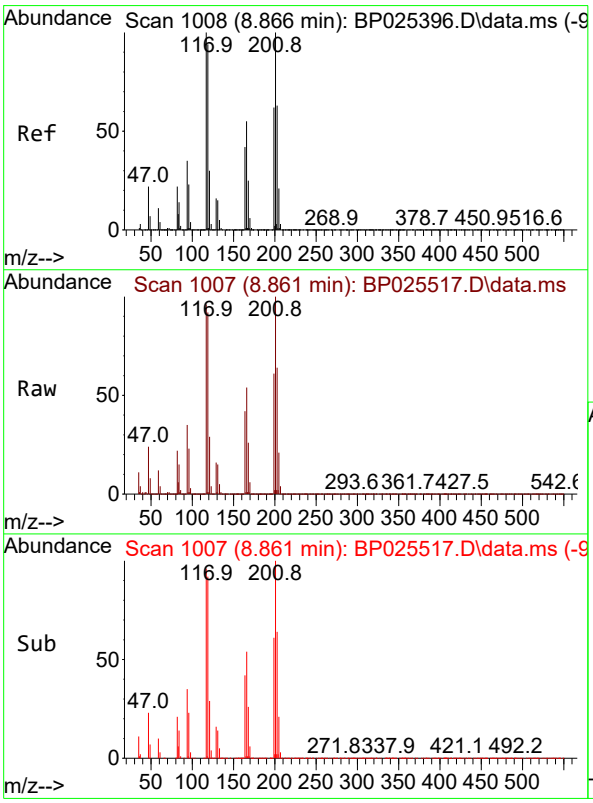
#17
2-Methylphenol
Concen: 46.581 ng
RT: 8.225 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:107 Resp: 484474

Ion	Ratio	Lower	Upper
107	100		
108	109.7	89.4	134.0
77	45.9	36.3	54.5
79	46.1	36.6	54.8

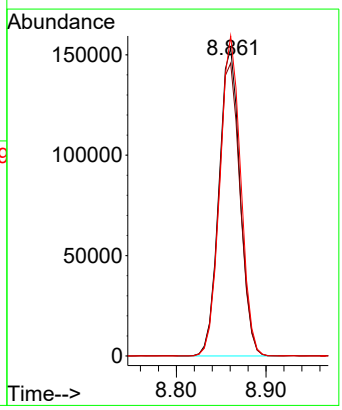


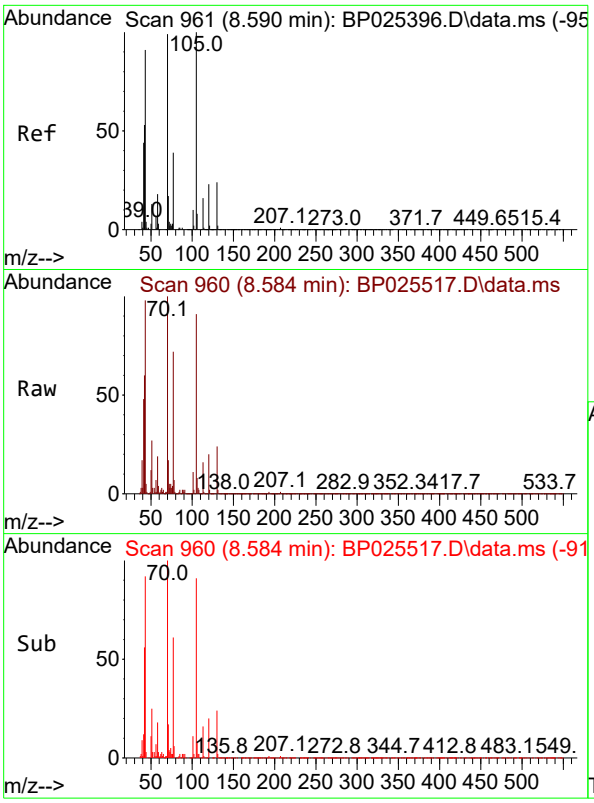


#18
Hexachloroethane
Concen: 47.925 ng
RT: 8.861 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:117 Resp: 249463

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.1	112.7
201	104.0	80.1	120.1



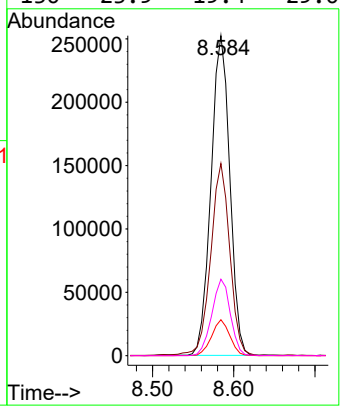


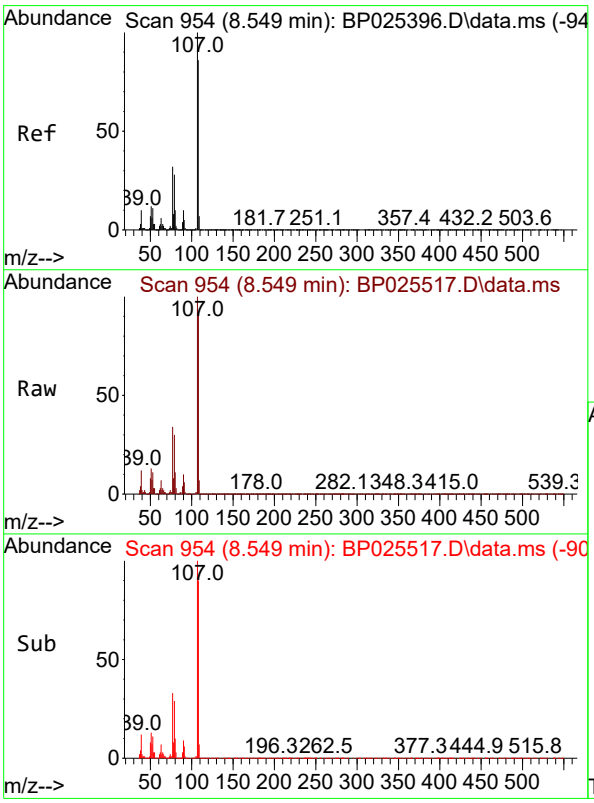
#19
n-Nitroso-di-n-propylamine
Concen: 42.894 ng
RT: 8.584 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 70 Resp: 405488

Ion	Ratio	Lower	Upper
70	100		
42	60.0	43.8	65.6
101	11.3	8.5	12.7
130	23.9	19.4	29.0

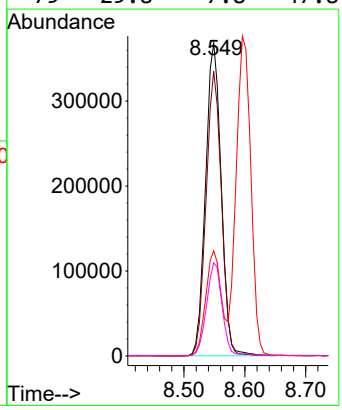


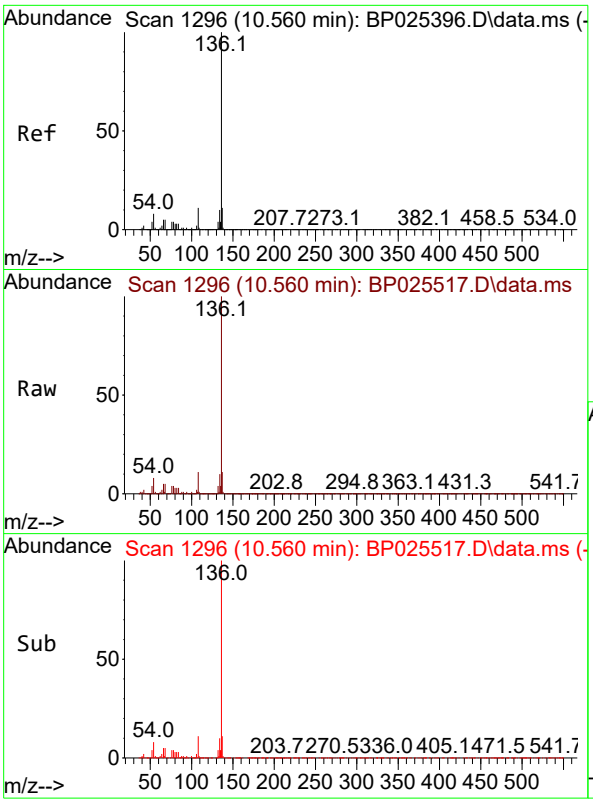


#20
3+4-Methylphenols
Concen: 45.649 ng
RT: 8.549 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:107 Resp: 658121

Ion	Ratio	Lower	Upper
107	100		
108	91.0	66.3	106.3
77	33.6	12.3	52.3
79	29.8	7.8	47.8



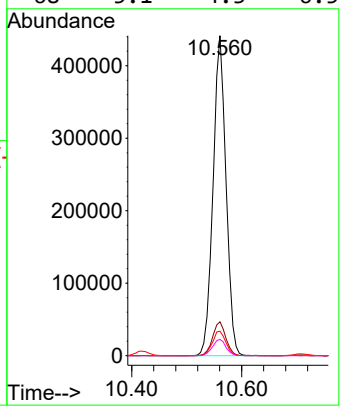


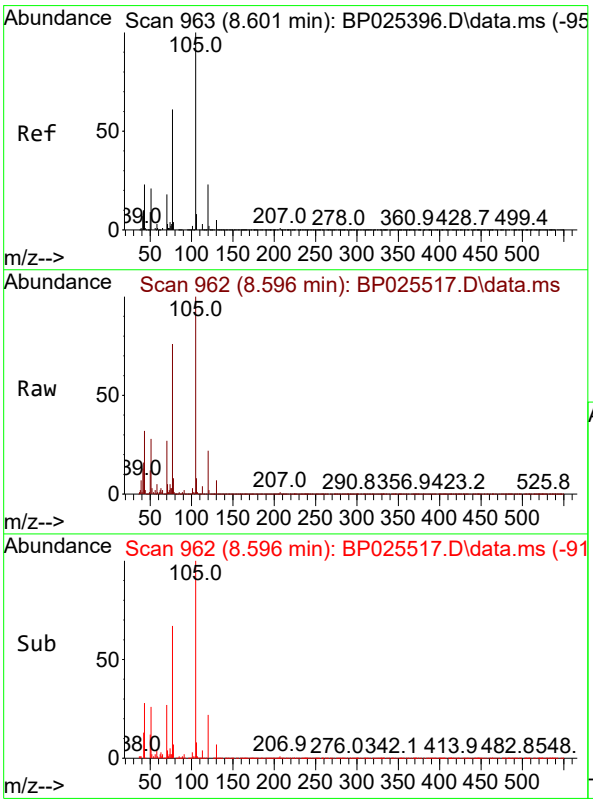
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:136 Resp: 722280

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.7	6.0	9.0
68	5.1	4.3	6.5

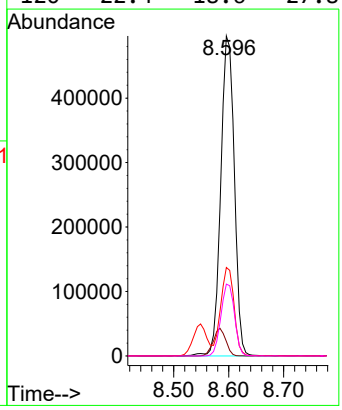


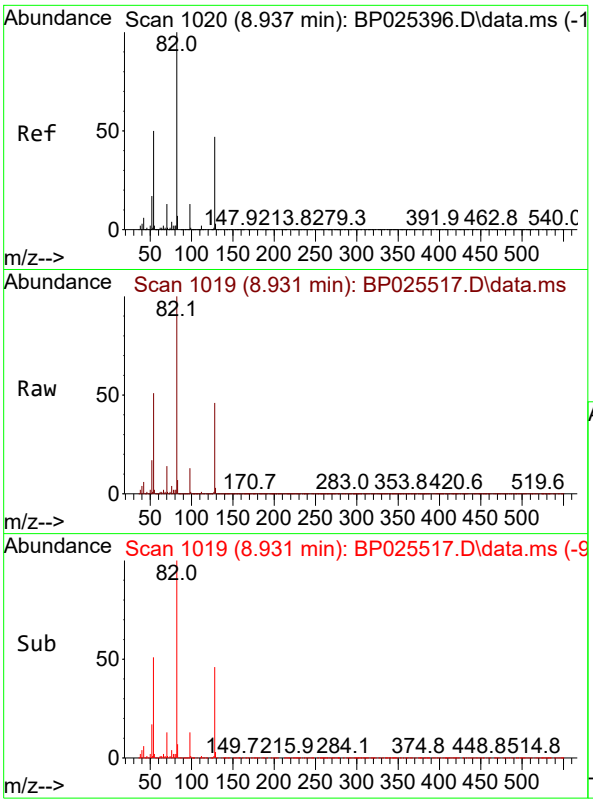


#22
Acetophenone
Concen: 47.056 ng
RT: 8.596 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:105 Resp: 852338

Ion	Ratio	Lower	Upper
105	100		
71	4.5	2.6	4.0#
51	27.7	20.6	30.8
120	22.4	18.6	27.8



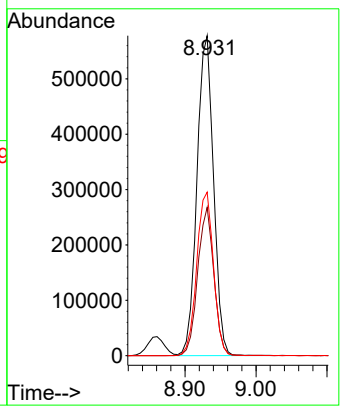


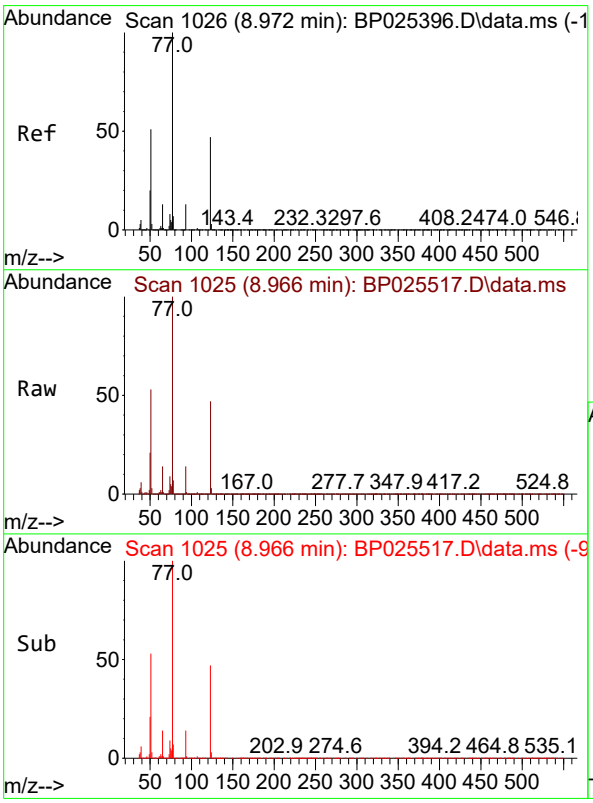
#23
Nitrobenzene-d5
Concen: 65.608 ng
RT: 8.931 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 82 Resp: 936777

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.7	56.5
54	51.1	39.8	59.6

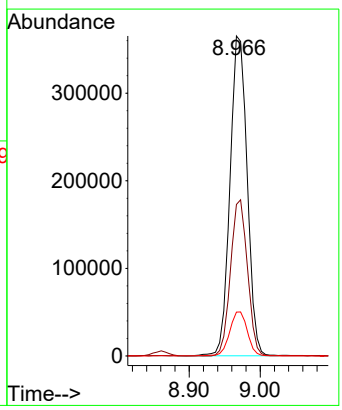


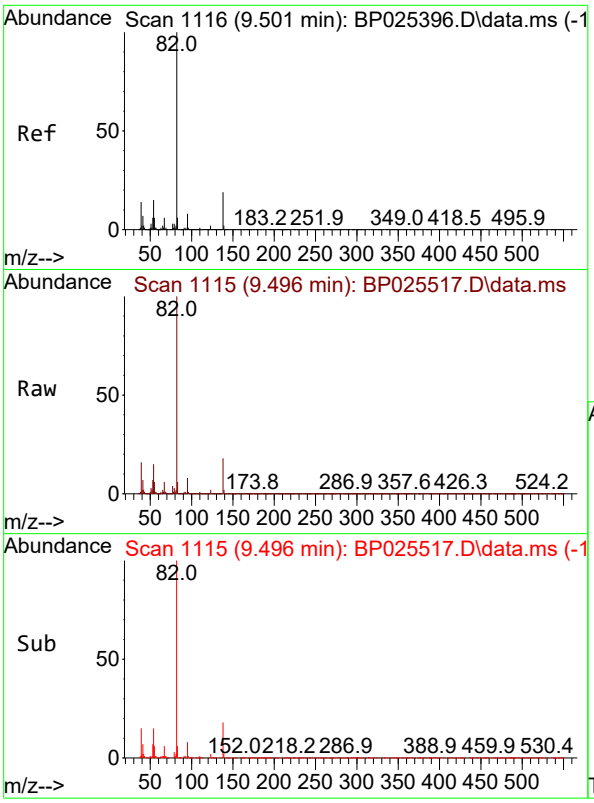


#24
Nitrobenzene
Concen: 48.104 ng
RT: 8.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 77 Resp: 613843

Ion	Ratio	Lower	Upper
77	100		
123	47.3	38.6	58.0
65	13.7	10.6	15.8



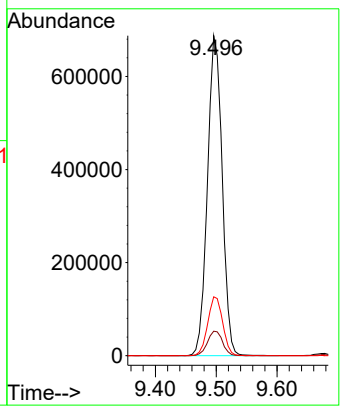


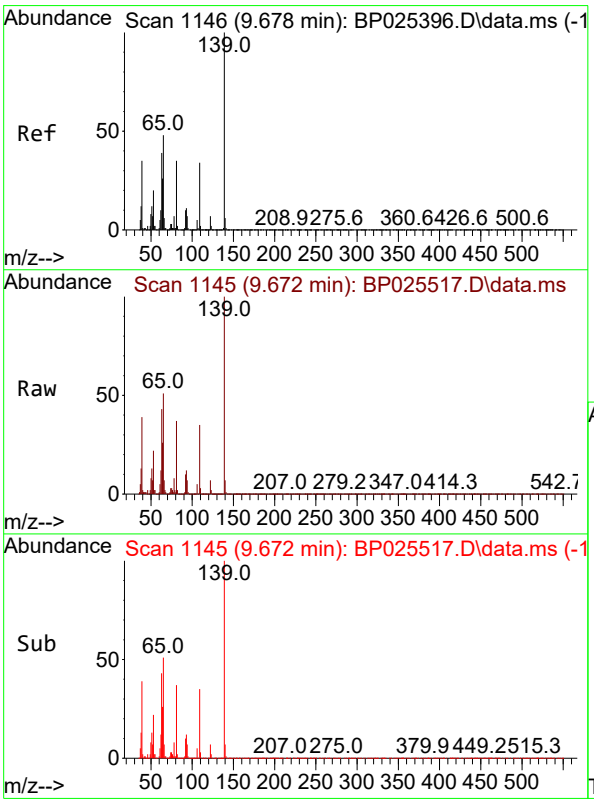
#25
Isophorone
Concen: 45.736 ng
RT: 9.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 82 Resp: 1155702

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.4	15.4	23.0

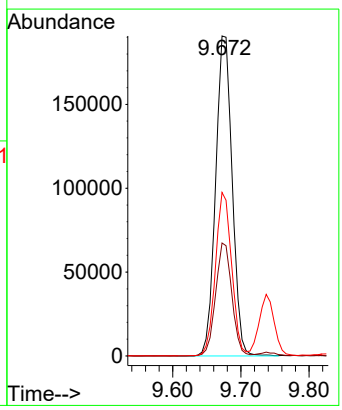


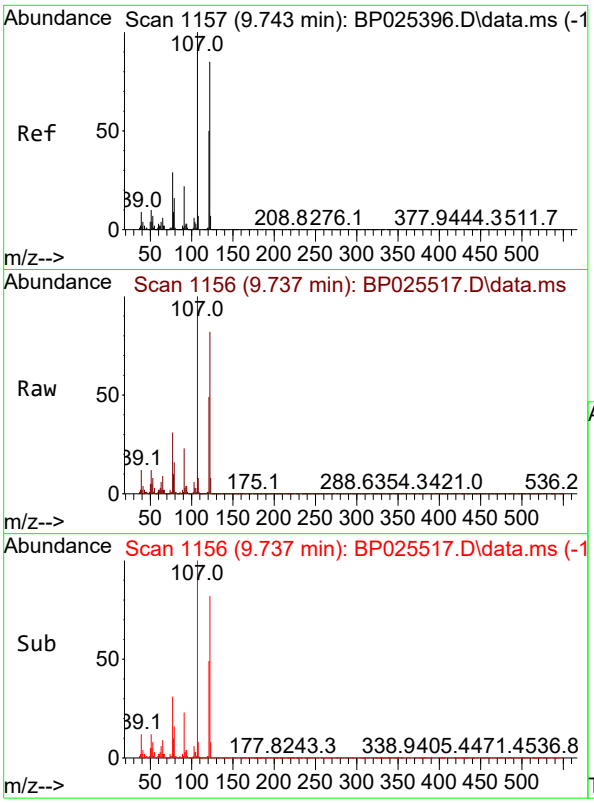


#26
2-Nitrophenol
Concen: 49.335 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:139 Resp: 323093

Ion	Ratio	Lower	Upper
139	100		
109	35.3	26.9	40.3
65	51.1	38.3	57.5



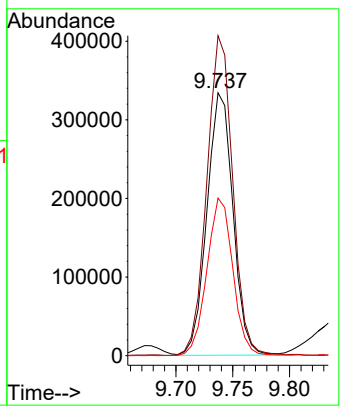


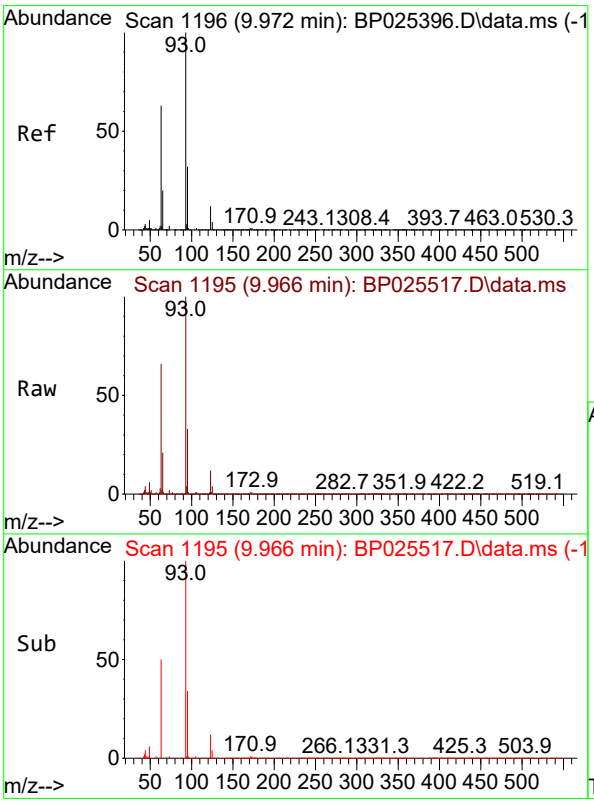
#27
2,4-Dimethylphenol
Concen: 47.366 ng
RT: 9.737 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:122 Resp: 533447

Ion	Ratio	Lower	Upper
122	100		
107	121.7	93.7	140.5
121	59.9	46.6	69.8

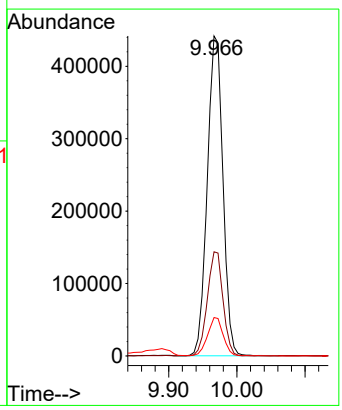


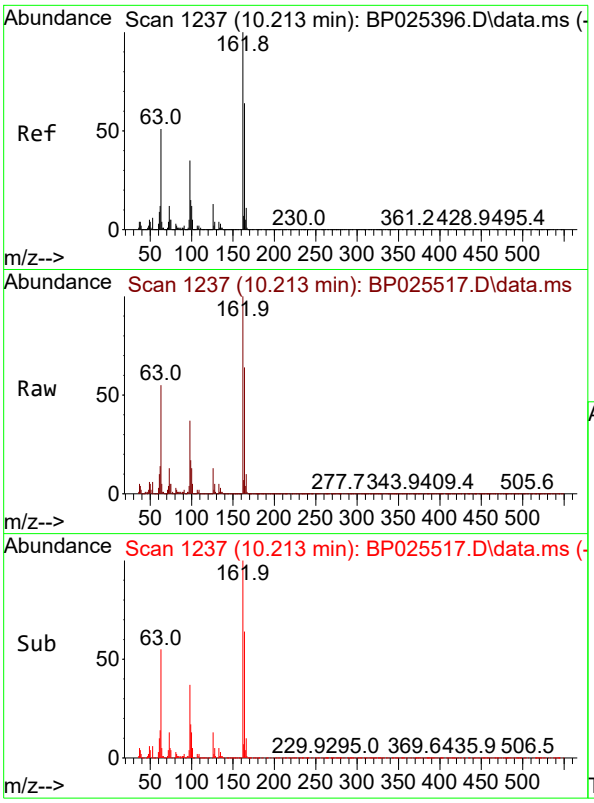


#28
bis(2-Chloroethoxy)methane
Concen: 46.309 ng
RT: 9.966 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 93 Resp: 707355

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.0
123	12.0	9.4	14.0



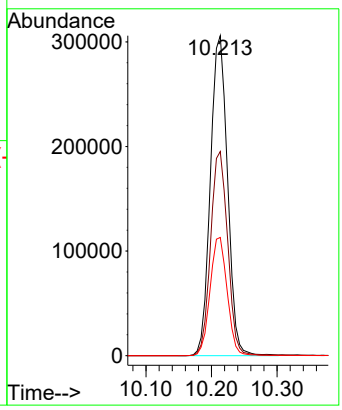


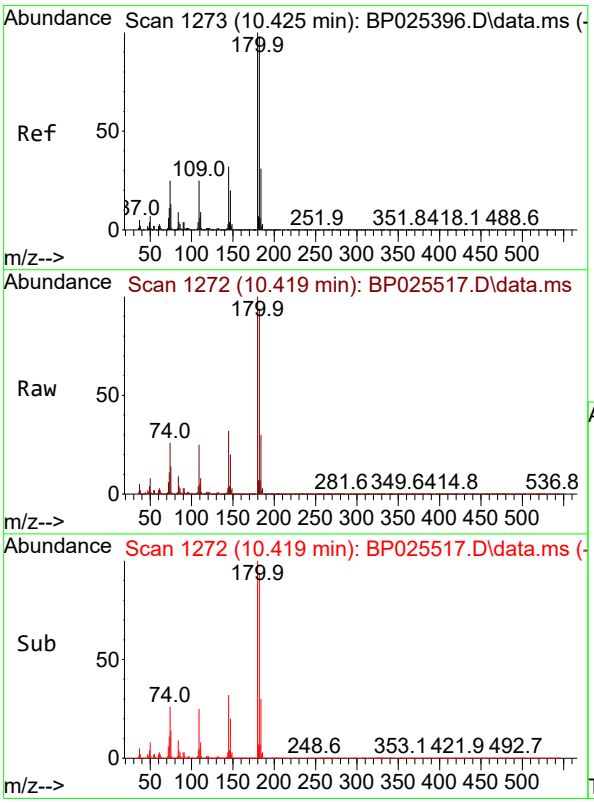
#29
2,4-Dichlorophenol
Concen: 49.622 ng
RT: 10.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:162 Resp: 555155

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.4	84.4
98	37.0	14.9	54.9

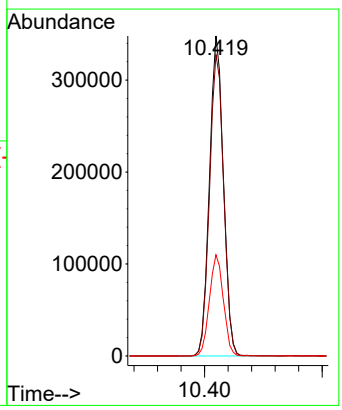


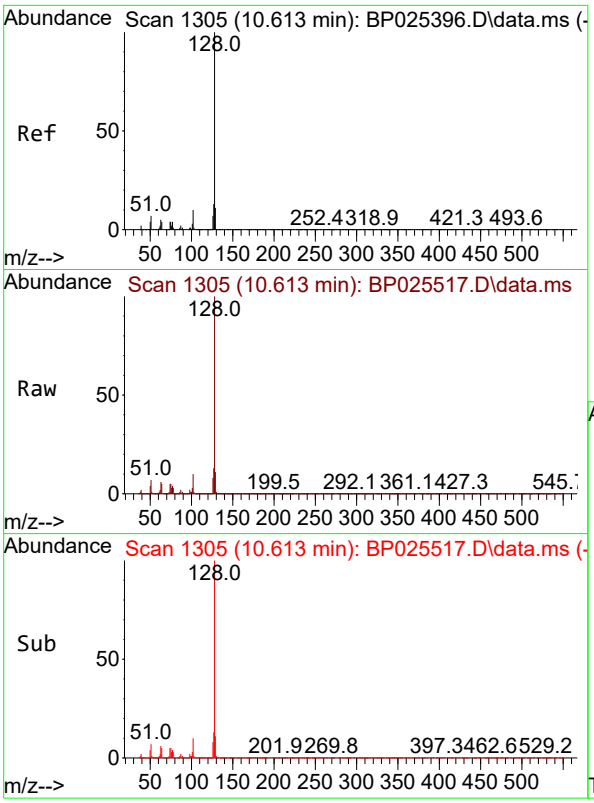


#30
1,2,4-Trichlorobenzene
Concen: 46.702 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:180 Resp: 572771

Ion	Ratio	Lower	Upper
180	100		
182	94.2	78.0	117.0
145	31.6	25.9	38.9



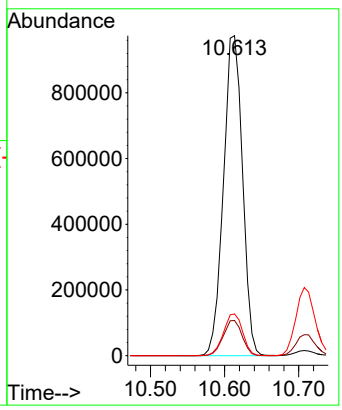


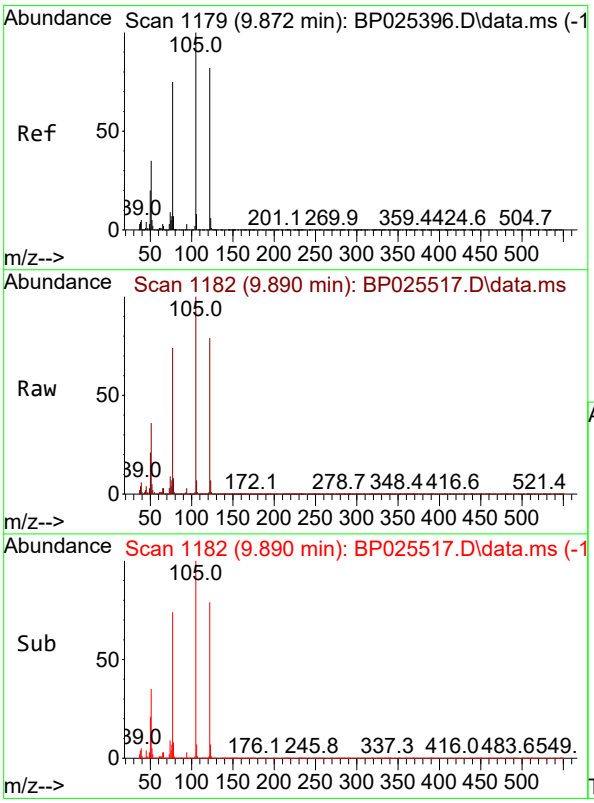
#31
Naphthalene
Concen: 46.334 ng
RT: 10.613 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:128 Resp: 1739431

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.7	16.1

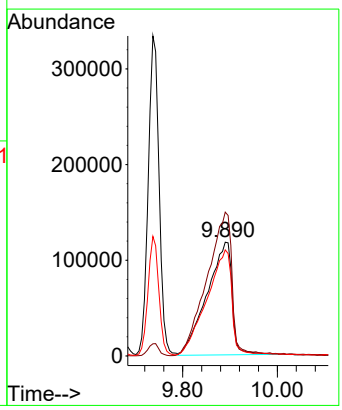


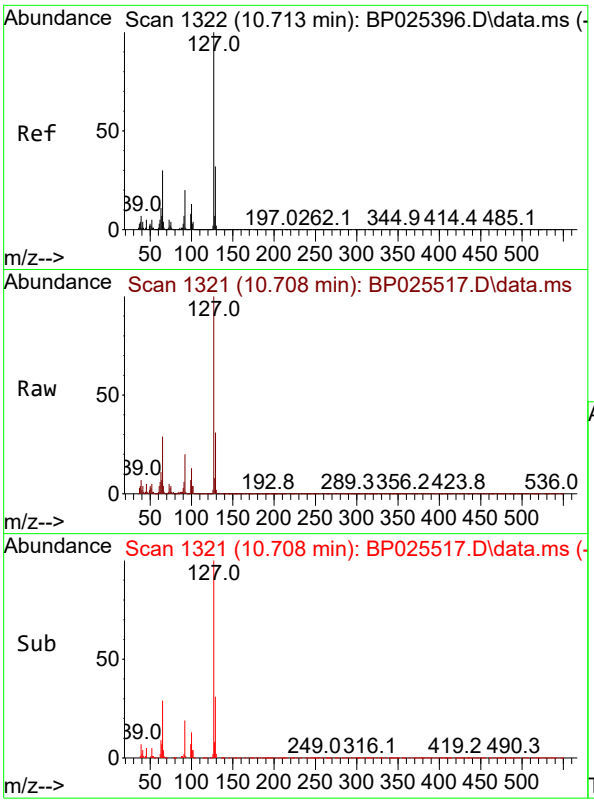


#32
Benzoic acid
Concen: 51.860 ng
RT: 9.890 min Scan# 1182
Delta R.T. 0.018 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:122 Resp: 431194

Ion	Ratio	Lower	Upper
122	100		
105	126.5	100.6	140.6
77	93.3	71.5	111.5



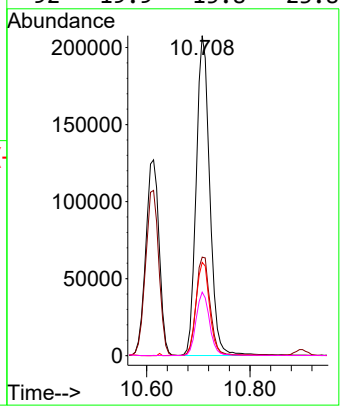


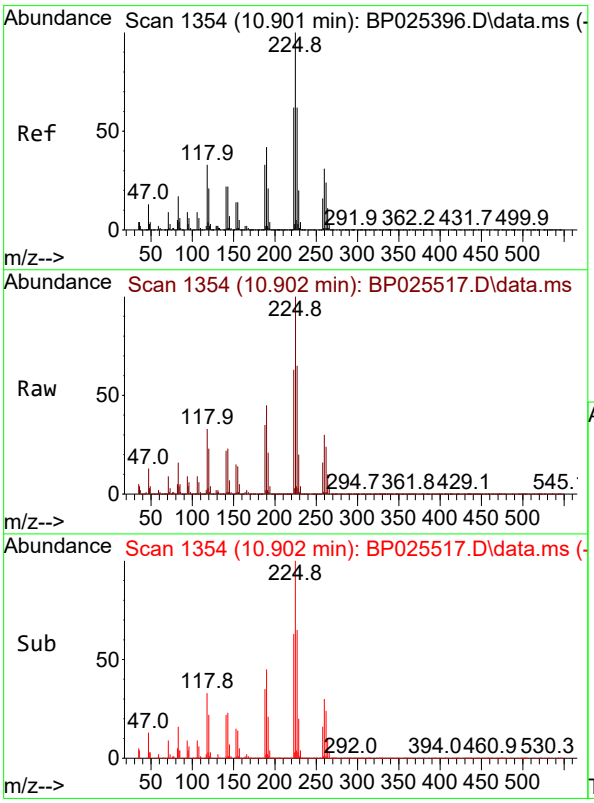
#33
4-Chloroaniline
Concen: 22.779 ng
RT: 10.708 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:127 Resp: 377734

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.4	38.2
65	29.1	23.8	35.6
92	19.9	15.8	23.8

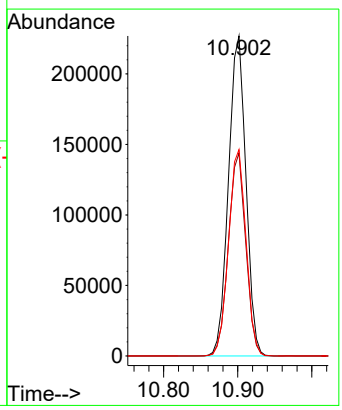


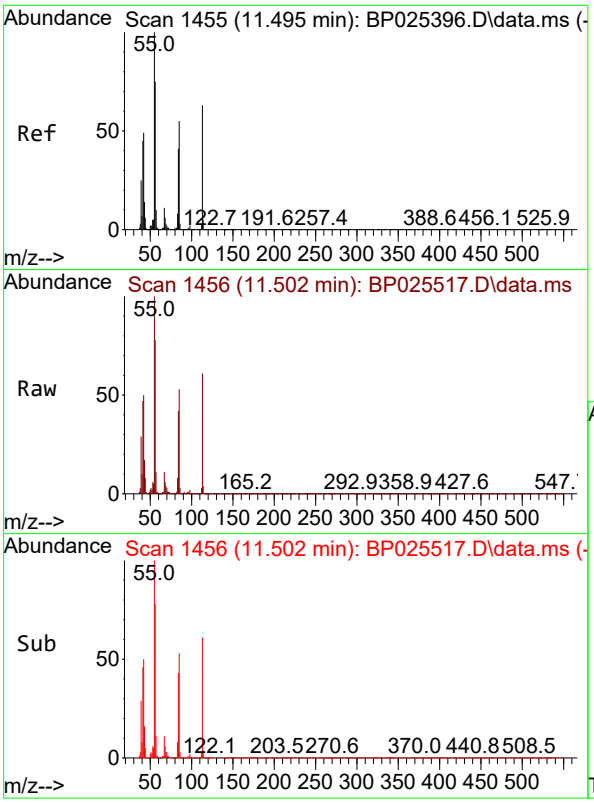


#34
Hexachlorobutadiene
Concen: 48.563 ng
RT: 10.902 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:225 Resp: 370916

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.0	75.0
227	64.5	49.7	74.5



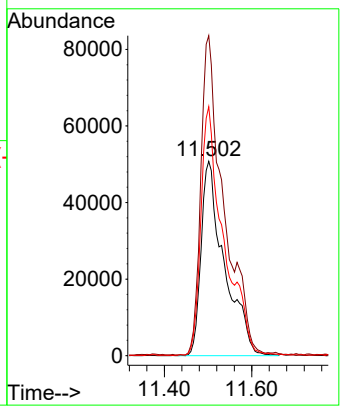


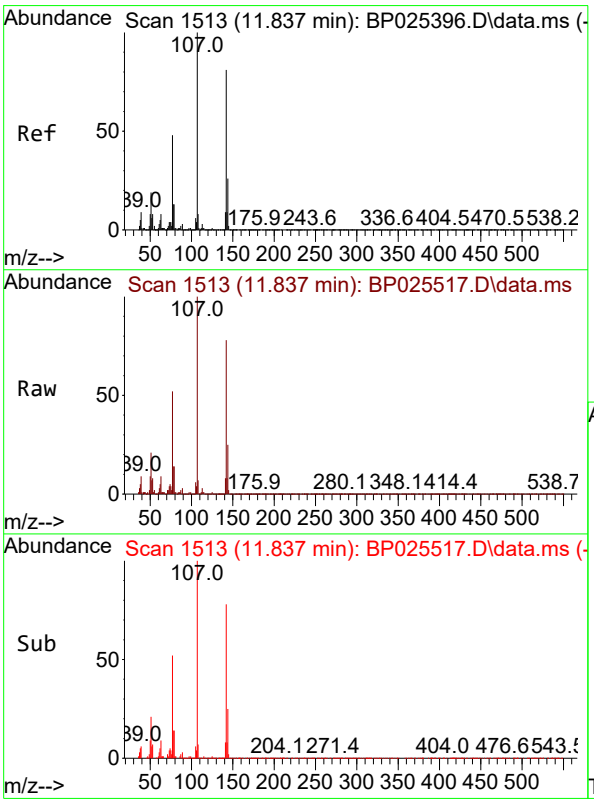
#35
Caprolactam
Concen: 45.747 ng
RT: 11.502 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:113 Resp: 187670

Ion	Ratio	Lower	Upper
113	100		
55	164.6	140.0	180.0
56	128.1	100.0	140.0

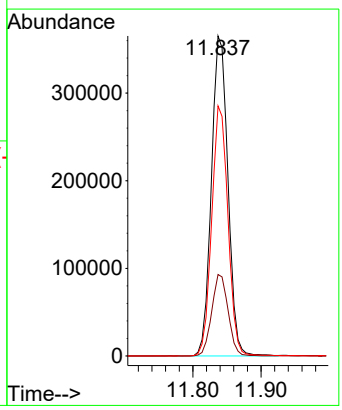


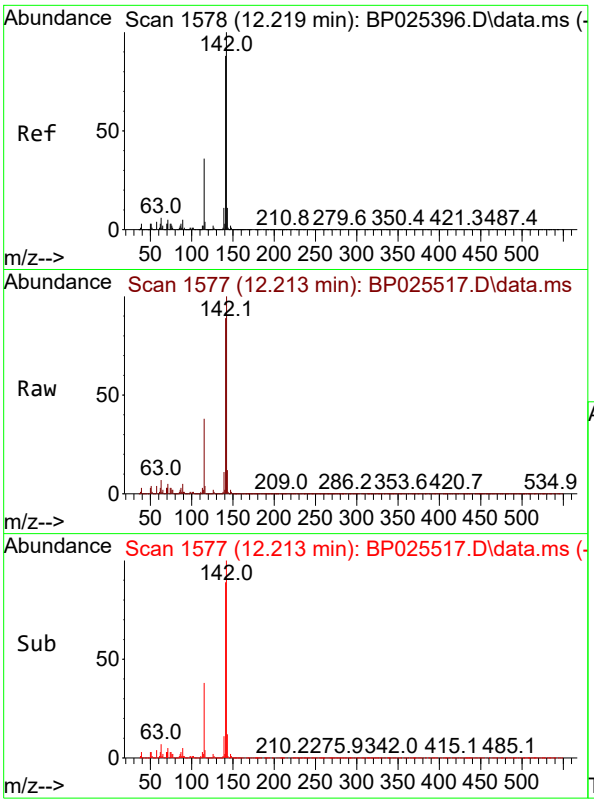


#36
4-Chloro-3-methylphenol
Concen: 47.974 ng
RT: 11.837 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:107 Resp: 615878

Ion	Ratio	Lower	Upper
107	100		
144	25.5	21.0	31.4
142	78.1	64.6	97.0



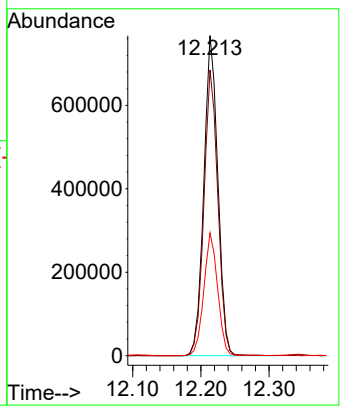


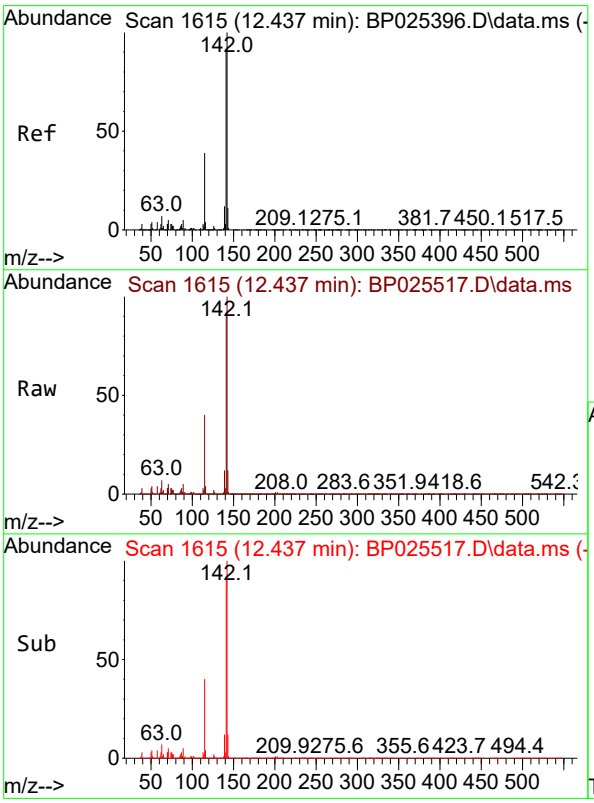
#37
2-Methylnaphthalene
Concen: 44.896 ng
RT: 12.213 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:142 Resp: 1096821

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.3	105.5
115	38.4	28.9	43.3

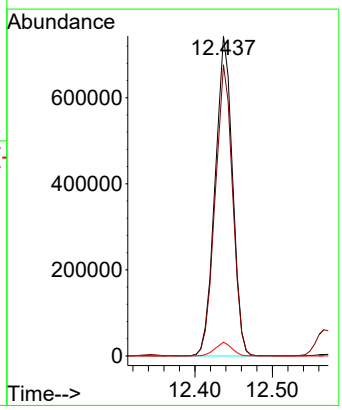


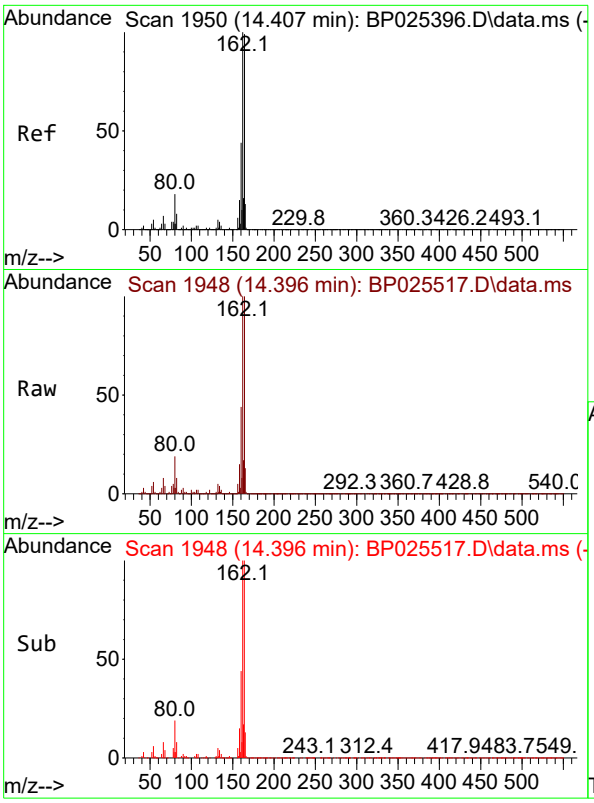


#38
1-Methylnaphthalene
Concen: 44.535 ng
RT: 12.437 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:142 Resp: 1157054

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.1	109.7
116	4.3	3.2	4.8



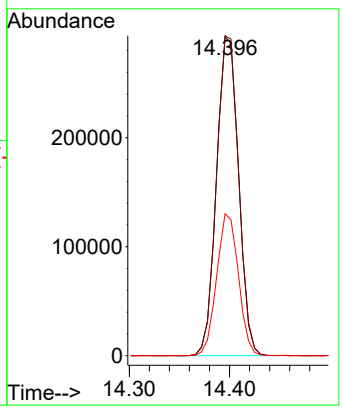


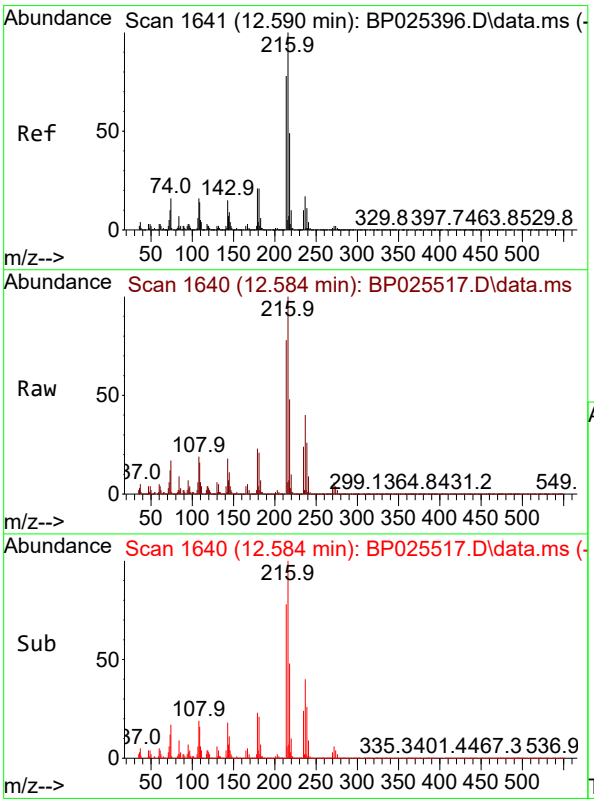
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.396 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:164 Resp: 447048

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.6
160	44.5	35.4	53.2

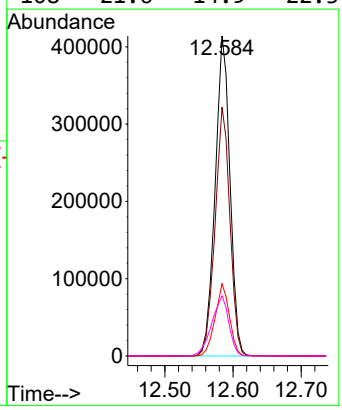


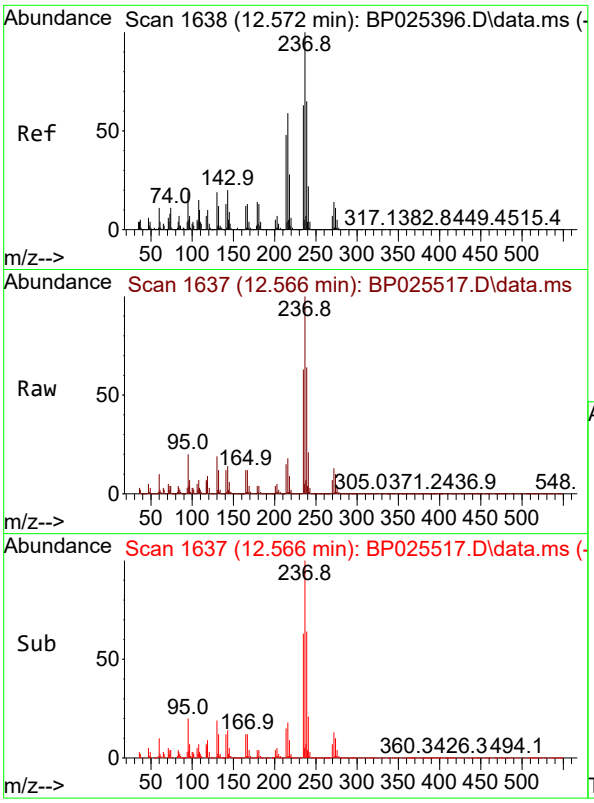


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.461 ng
RT: 12.584 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:216 Resp: 625693

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	21.9	17.1	25.7
108	21.6	14.9	22.3



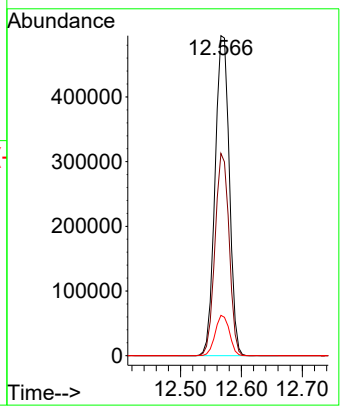


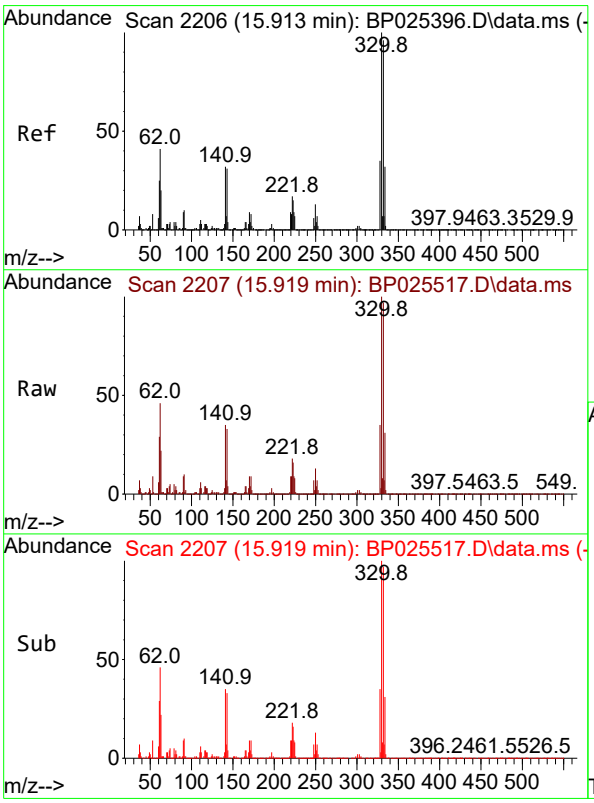
#41
Hexachlorocyclopentadiene
Concen: 102.943 ng
RT: 12.566 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:237 Resp: 802842

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.7	82.7
272	12.6	0.0	34.0

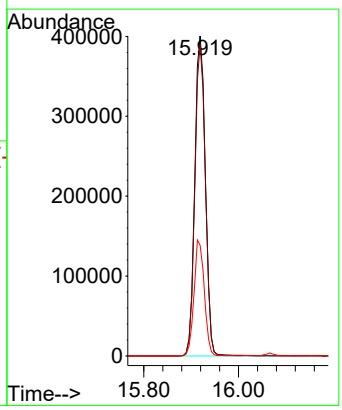


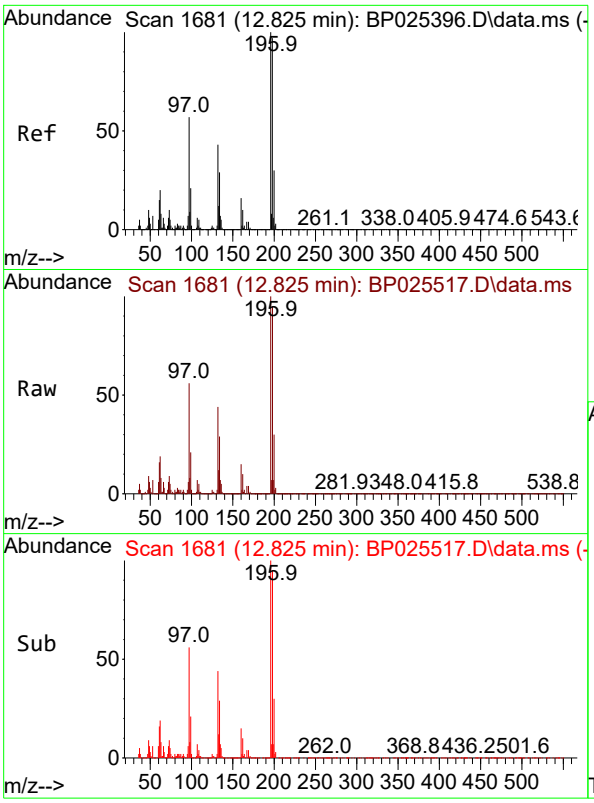


#42
2,4,6-Tribromophenol
Concen: 103.597 ng
RT: 15.919 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:330 Resp: 623372

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	35.3	26.6	39.8



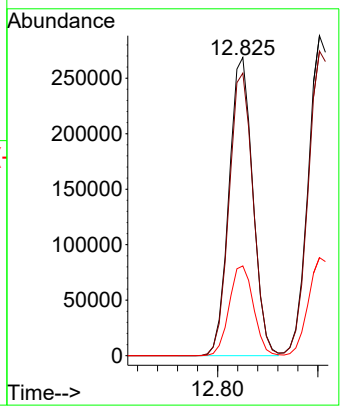


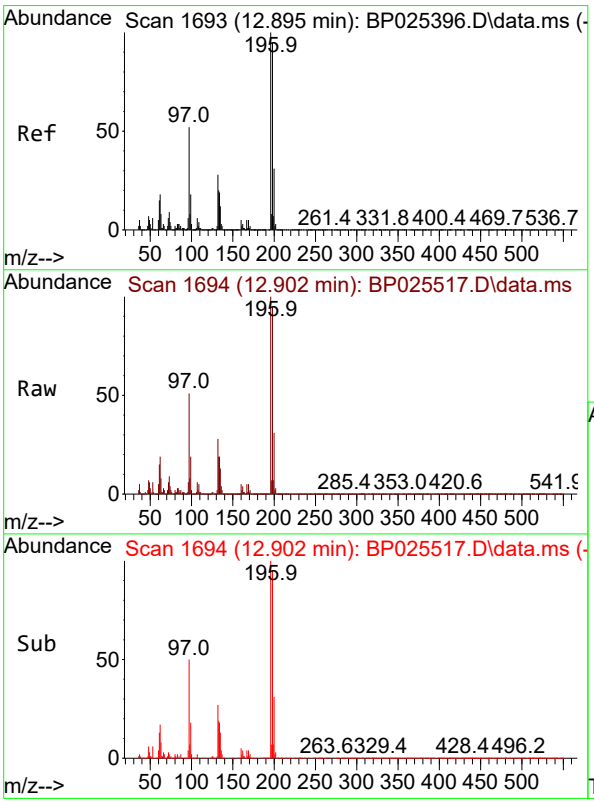
#43
2,4,6-Trichlorophenol
Concen: 50.780 ng
RT: 12.825 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:196 Resp: 442620

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	30.1	23.9	35.9

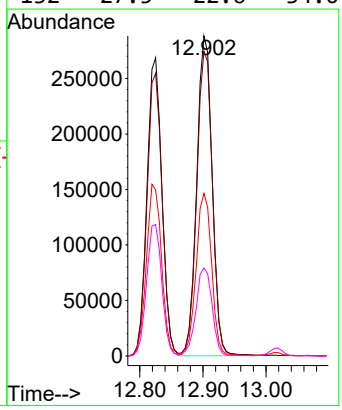


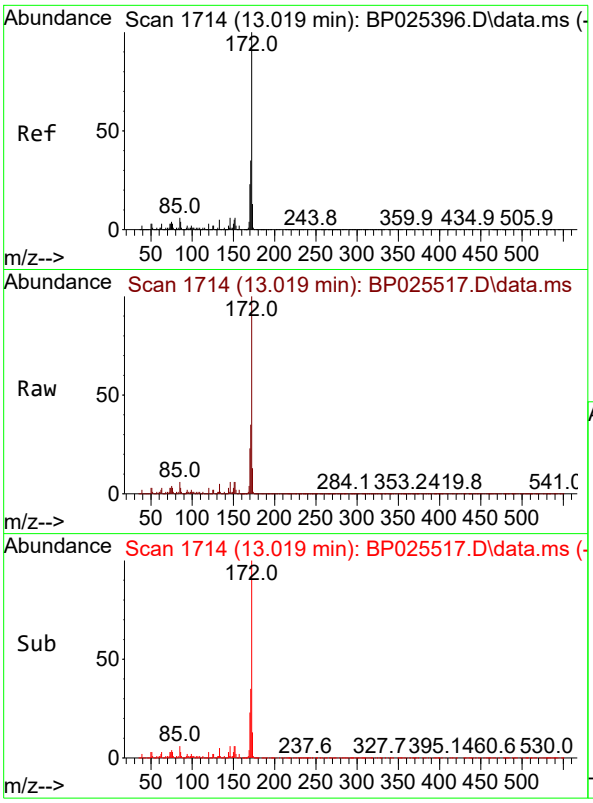


#44
2,4,5-Trichlorophenol
Concen: 51.330 ng
RT: 12.902 min Scan# 1694
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:196 Resp: 490354

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
97	50.8	41.2	61.8
132	27.5	22.6	34.0



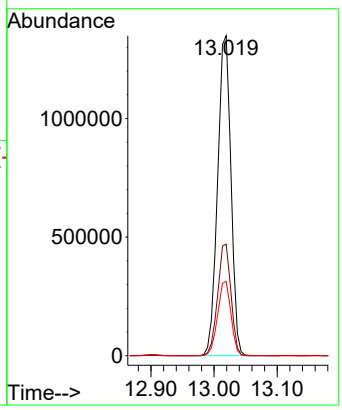


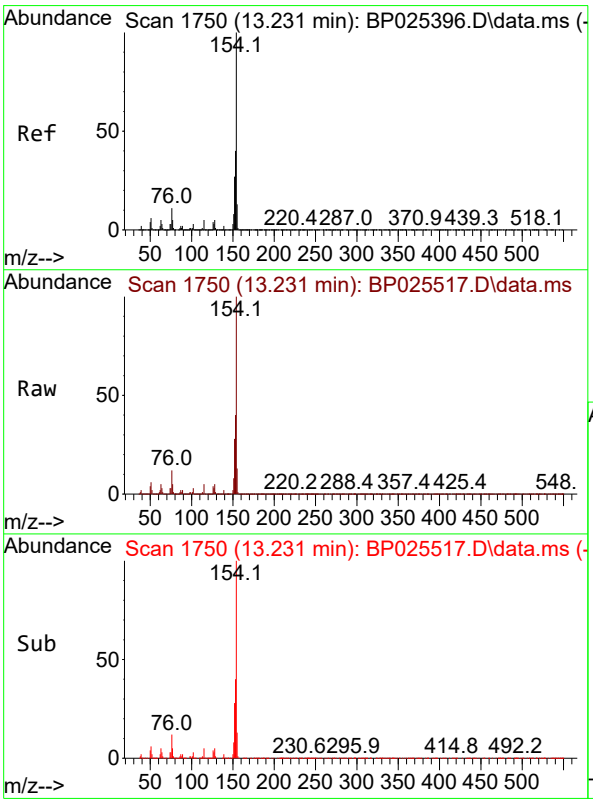
#45
2-Fluorobiphenyl
Concen: 60.642 ng
RT: 13.019 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:172 Resp: 1983638

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.2	18.6	28.0

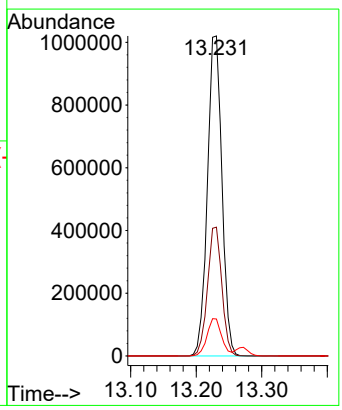


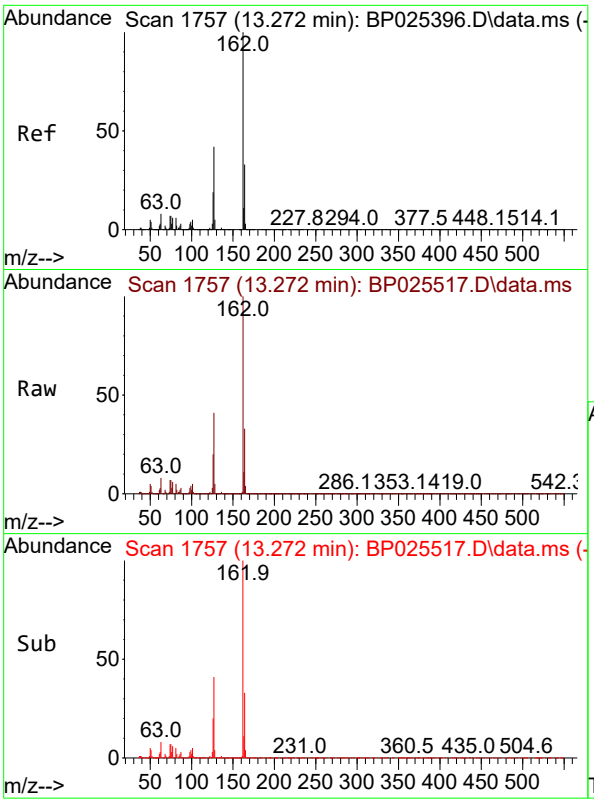


#46
1,1'-Biphenyl
Concen: 48.304 ng
RT: 13.231 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:154 Resp: 1568313

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	11.6	0.0	31.1



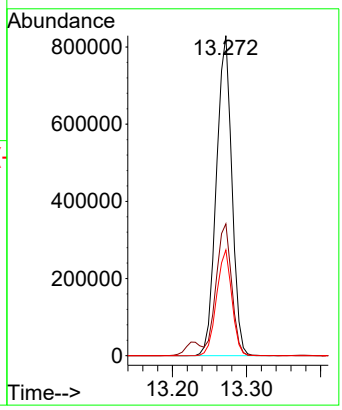


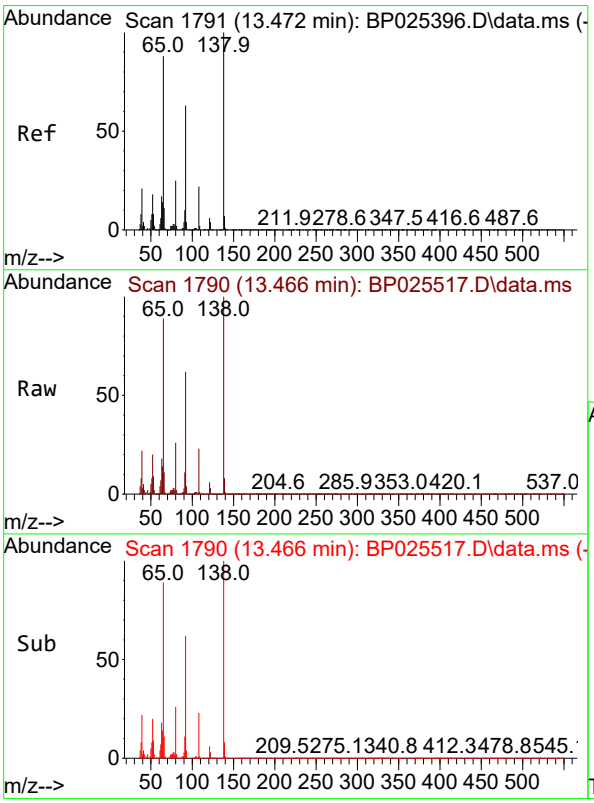
#47
2-Chloronaphthalene
Concen: 47.550 ng
RT: 13.272 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:162 Resp: 1201838

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.4	50.2
164	33.0	26.2	39.2

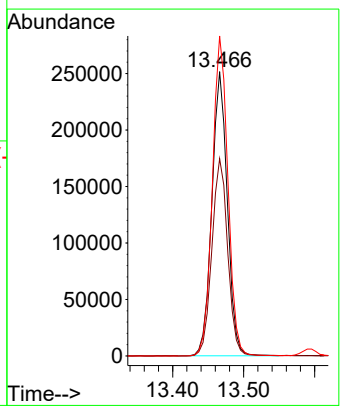


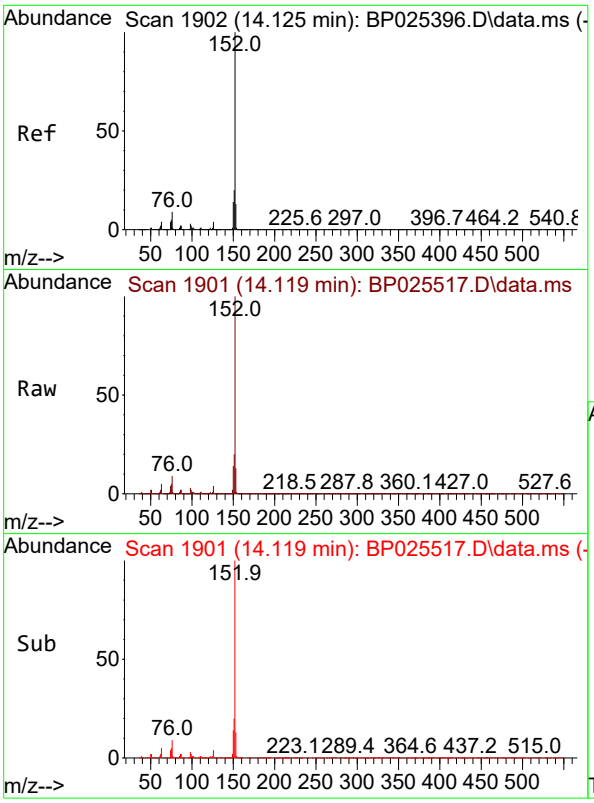


#48
2-Nitroaniline
Concen: 51.670 ng
RT: 13.466 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion: 65 Resp: 380529

Ion	Ratio	Lower	Upper
65	100		
92	69.4	57.6	86.4
138	112.5	91.0	136.6



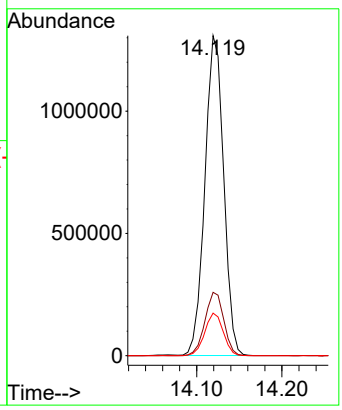


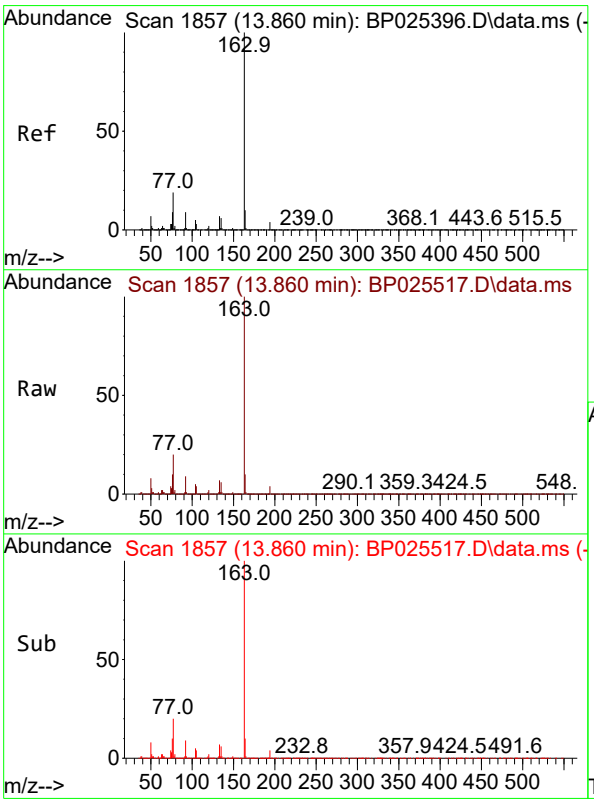
#49
Acenaphthylene
Concen: 47.841 ng
RT: 14.119 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:152 Resp: 2000907

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.3	10.6	15.8

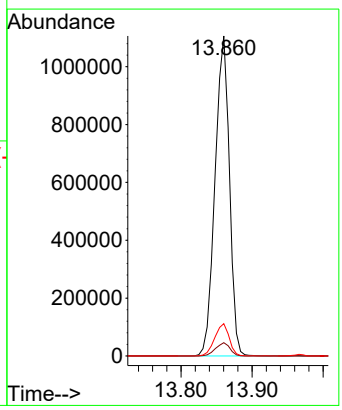


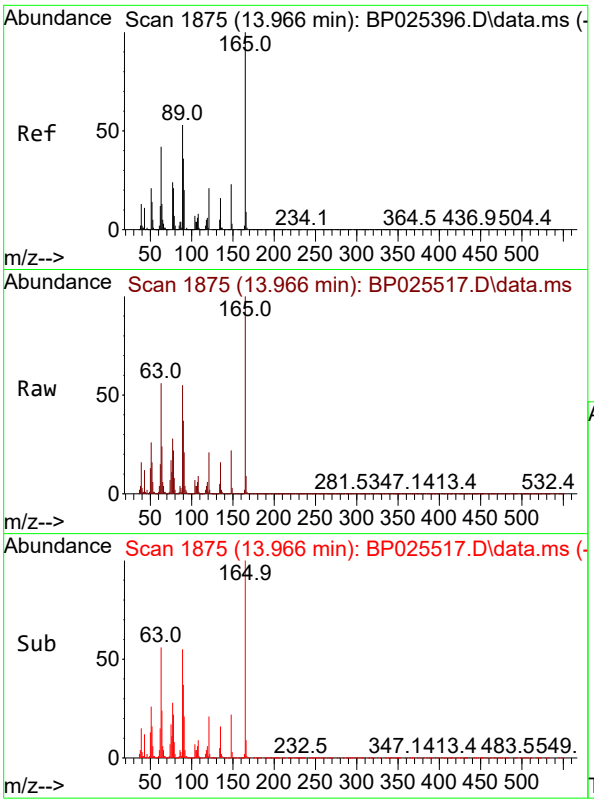


#50
Dimethylphthalate
Concen: 47.312 ng
RT: 13.860 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:163 Resp: 1548844

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	7.9	11.9



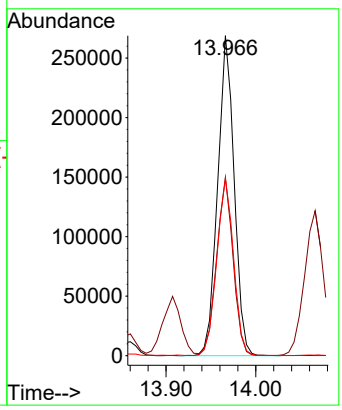


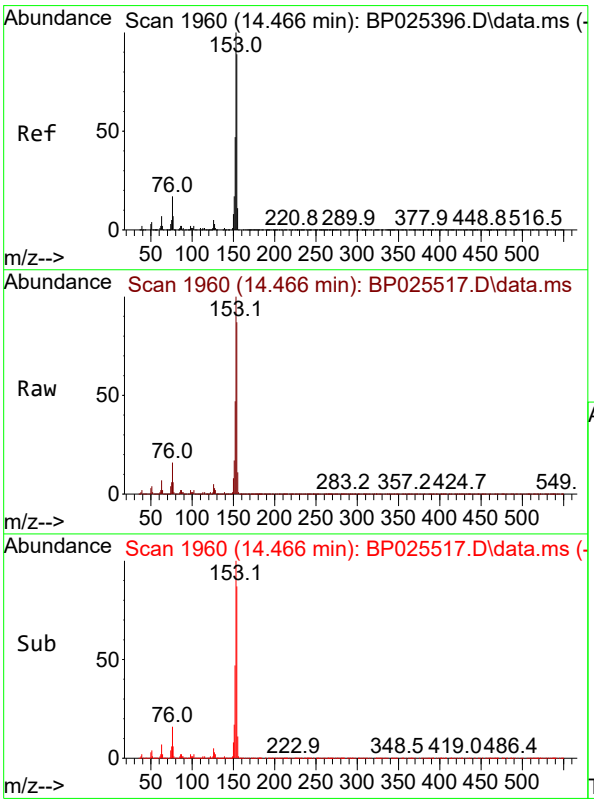
#51
2,6-Dinitrotoluene
Concen: 49.643 ng
RT: 13.966 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:165 Resp: 342534

Ion	Ratio	Lower	Upper
165	100		
63	55.7	40.9	61.3
89	55.5	42.1	63.1

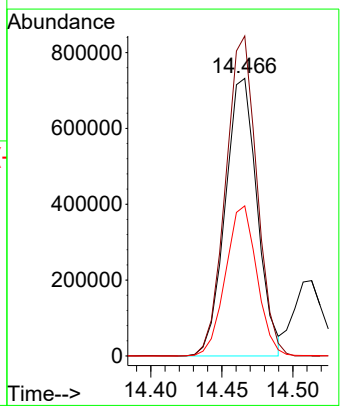


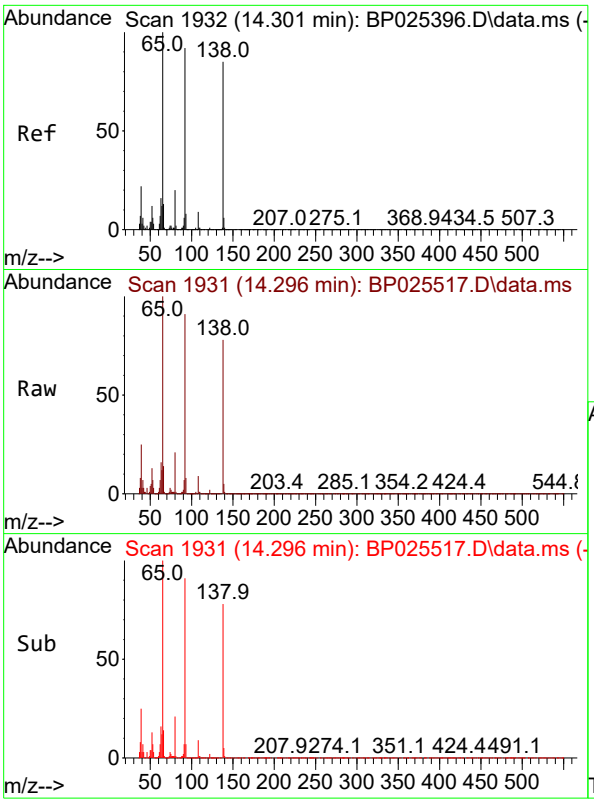


#52
Acenaphthene
Concen: 46.659 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:154 Resp: 1145454

Ion	Ratio	Lower	Upper
154	100		
153	115.2	90.2	135.2
152	54.0	42.1	63.1



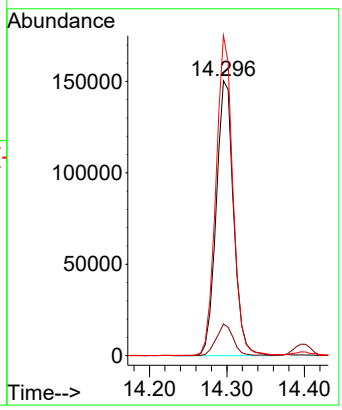


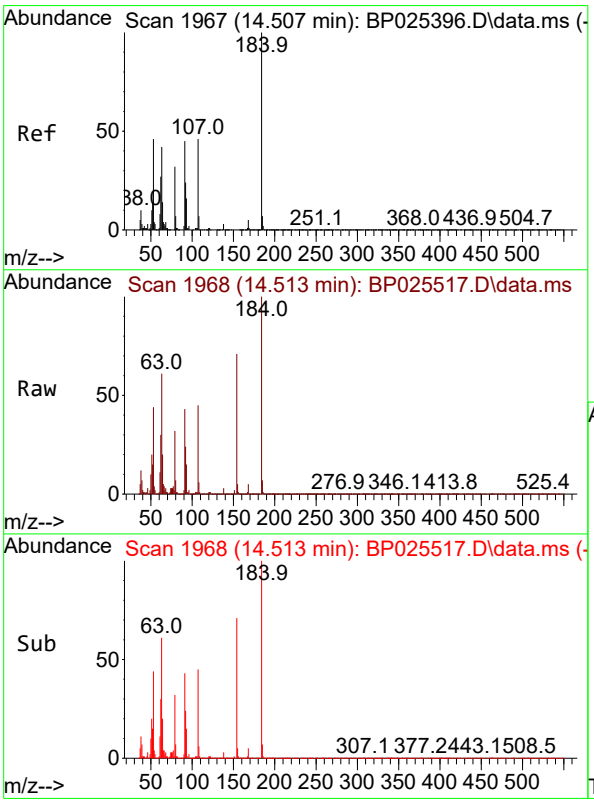
#53
3-Nitroaniline
Concen: 30.228 ng
RT: 14.296 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:138 Resp: 234663

Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.3	12.5
92	116.4	86.2	129.2

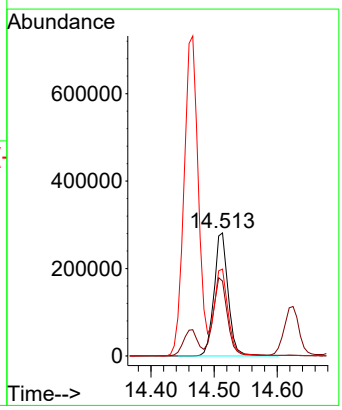


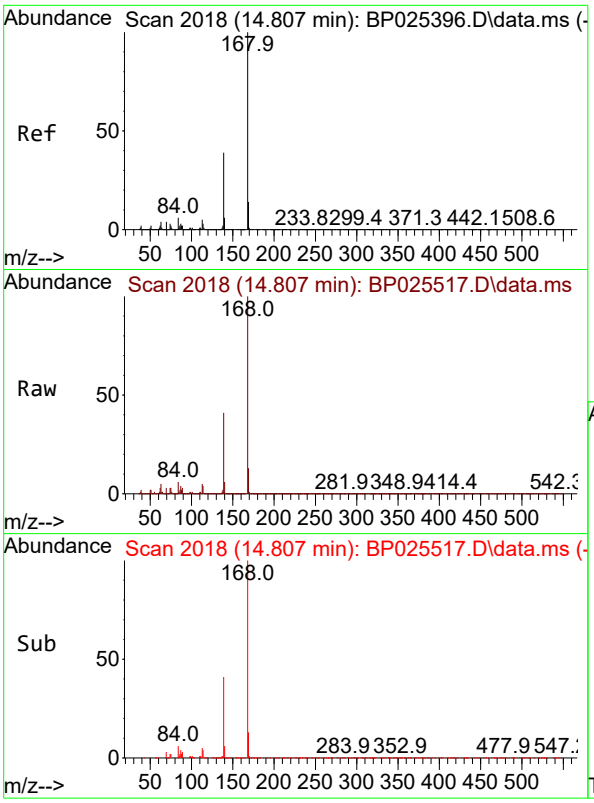


#54
2,4-Dinitrophenol
Concen: 118.504 ng
RT: 14.513 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:184 Resp: 436661

Ion	Ratio	Lower	Upper
184	100		
63	60.9	49.4	74.2
154	70.6	54.6	82.0



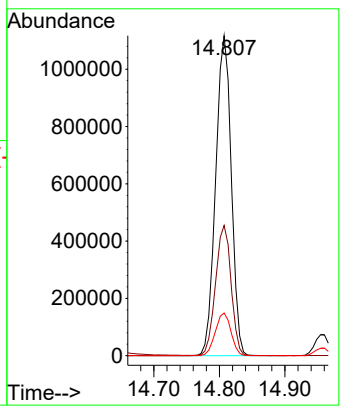


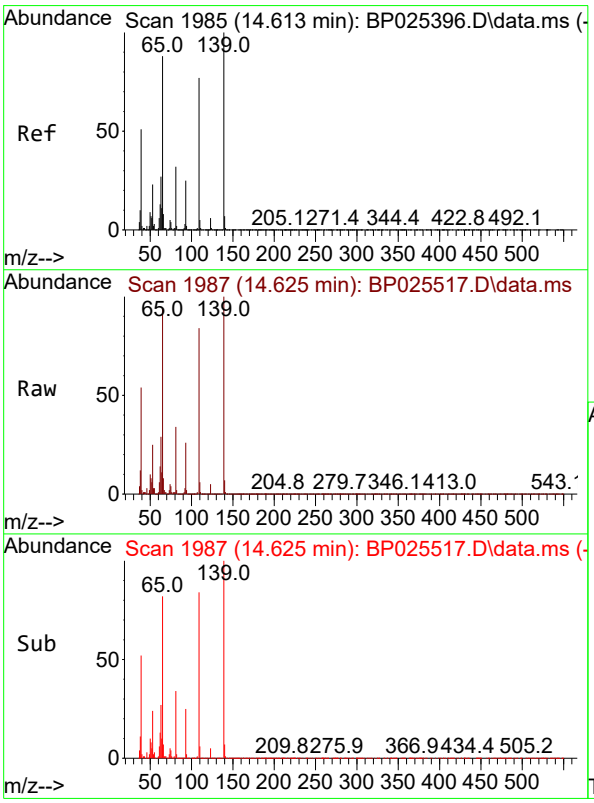
#55
Dibenzofuran
Concen: 47.393 ng
RT: 14.807 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:168 Resp: 1839493

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.5	47.3
169	13.3	10.9	16.3

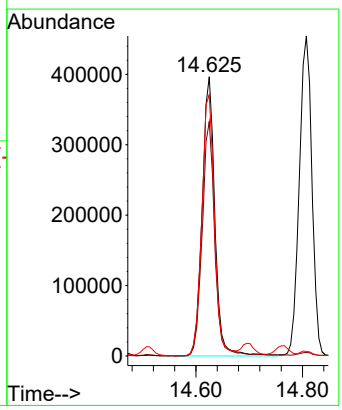


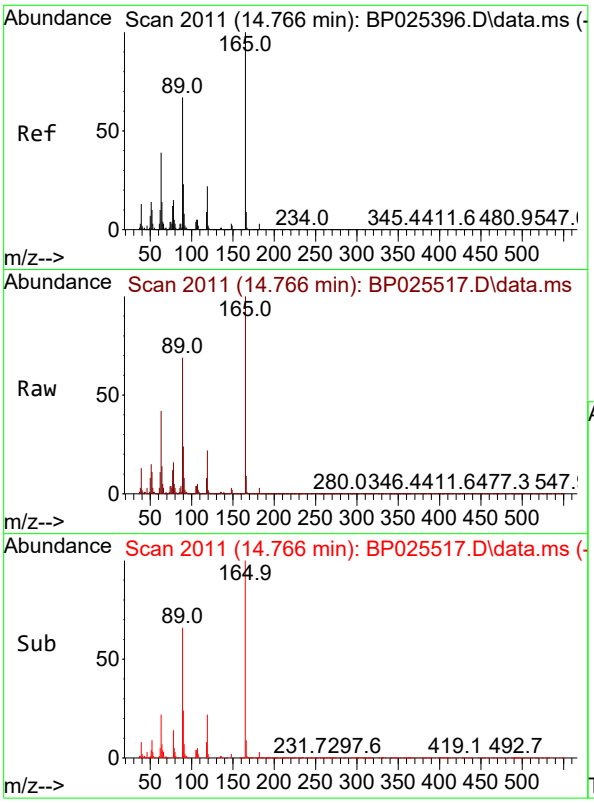


#56
4-Nitrophenol
Concen: 102.419 ng
RT: 14.625 min Scan# 1987
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:139 Resp: 653354

Ion	Ratio	Lower	Upper
139	100		
109	83.9	56.6	96.6
65	93.6	68.2	108.2



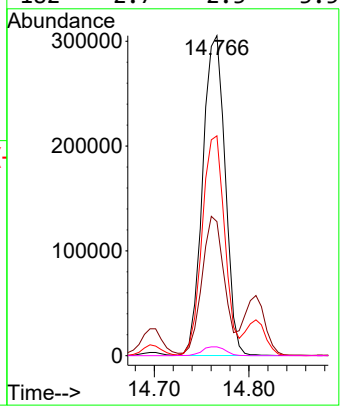


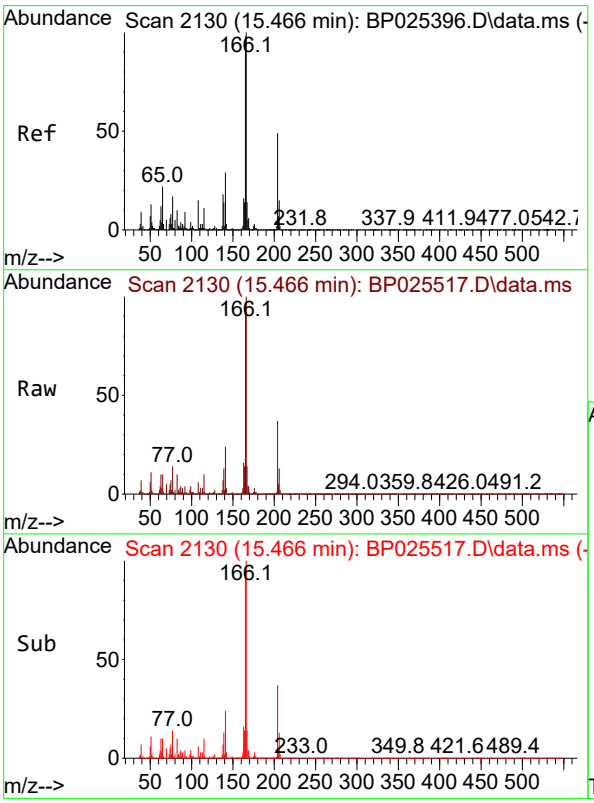
#57
2,4-Dinitrotoluene
Concen: 51.002 ng
RT: 14.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:165 Resp: 502093

Ion	Ratio	Lower	Upper
165	100		
63	41.9	31.4	47.2
89	68.7	53.3	79.9
182	2.7	2.3	3.5

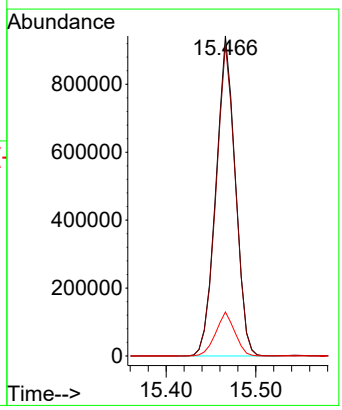


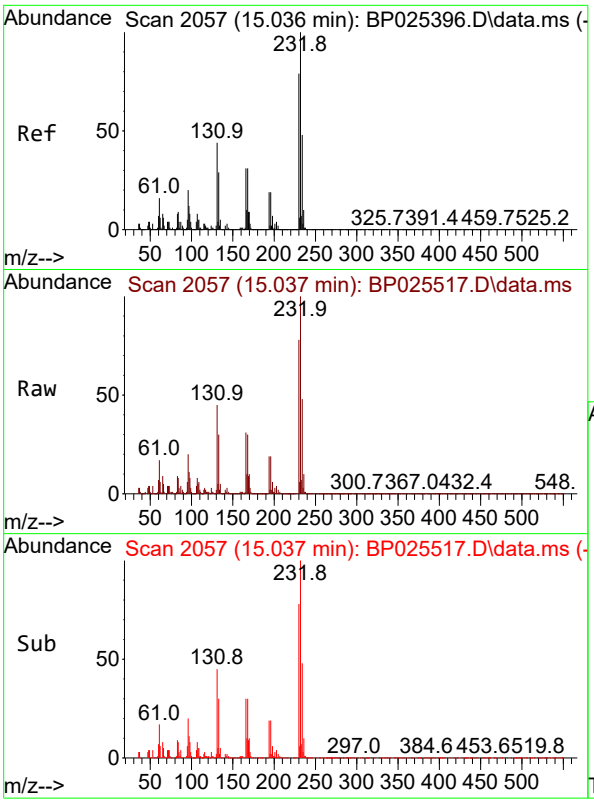


#58
Fluorene
Concen: 46.148 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:166 Resp: 1413344

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.8	118.2
167	13.7	11.0	16.4



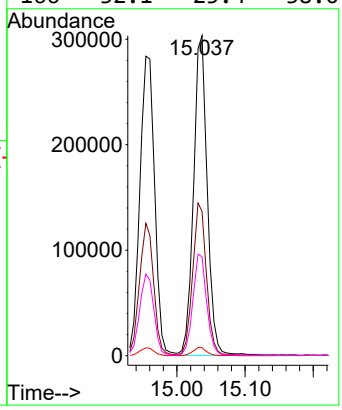


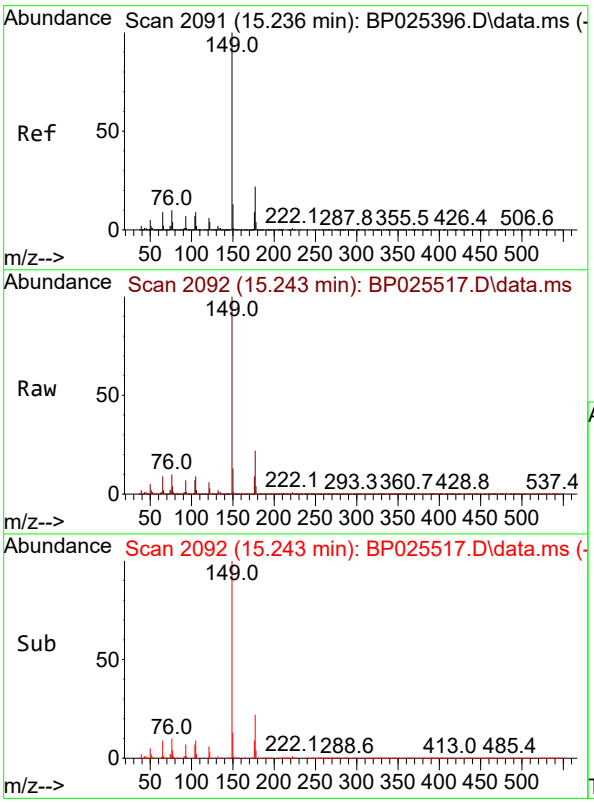
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.097 ng
RT: 15.037 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:232 Resp: 422581

Ion	Ratio	Lower	Upper
232	100		
131	47.8	37.0	55.6
130	2.6	1.9	2.9
166	32.1	25.4	38.0

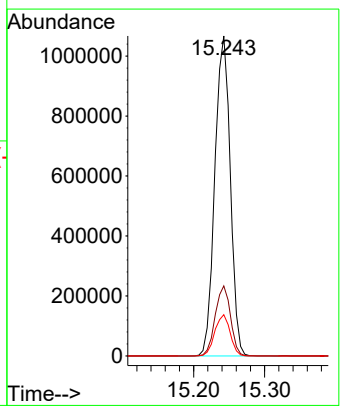


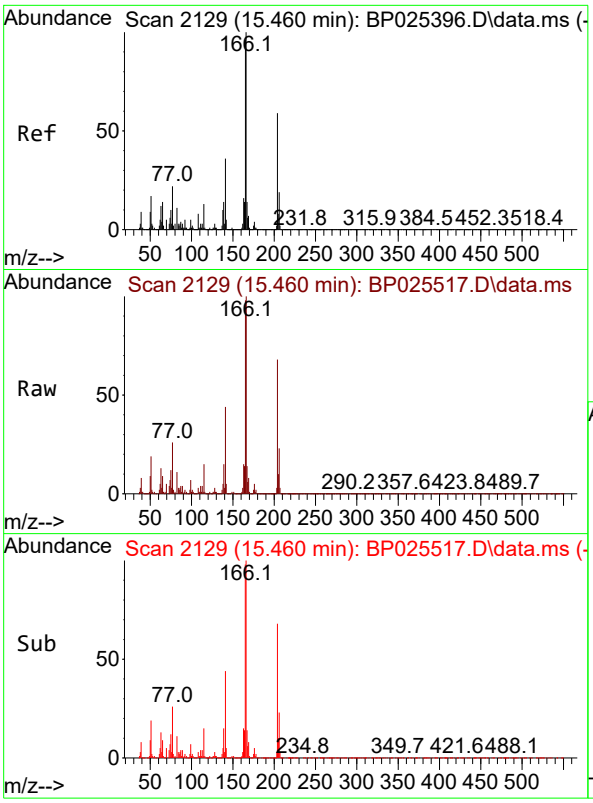


#60
Diethylphthalate
Concen: 48.175 ng
RT: 15.243 min Scan# 2092
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1602496

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.9	10.3	15.5



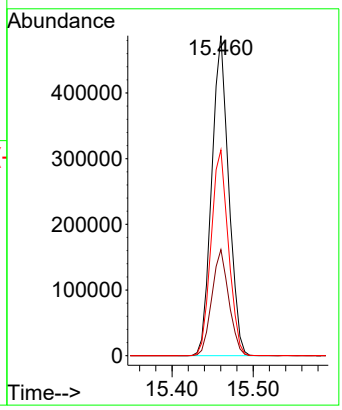


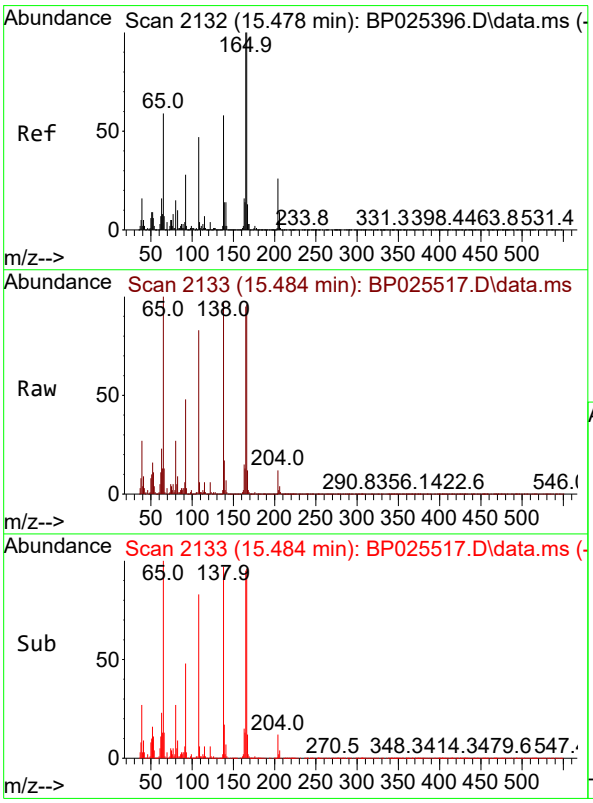
#61
4-Chlorophenyl-phenylether
Concen: 46.278 ng
RT: 15.460 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:204 Resp: 704890

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.8
141	64.3	49.4	74.2

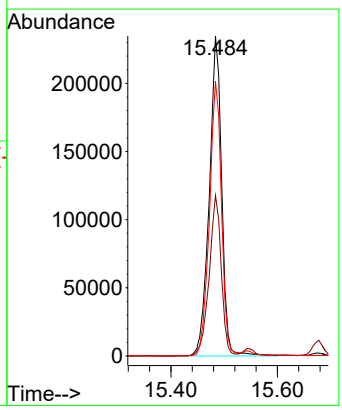


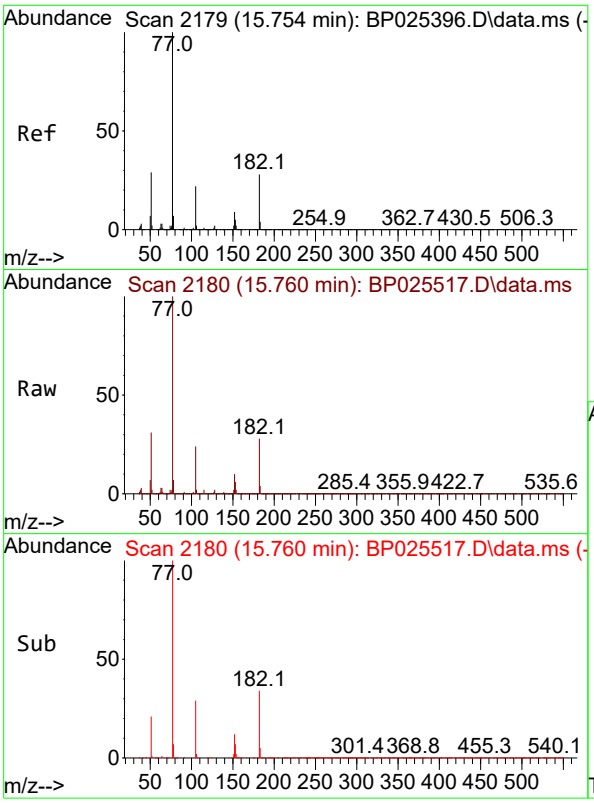


#62
4-Nitroaniline
Concen: 47.851 ng
RT: 15.484 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:138 Resp: 380825

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.1	69.1
108	85.8	61.5	101.5



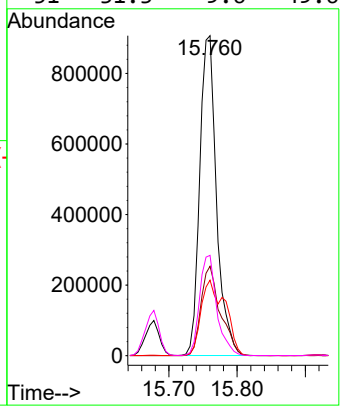


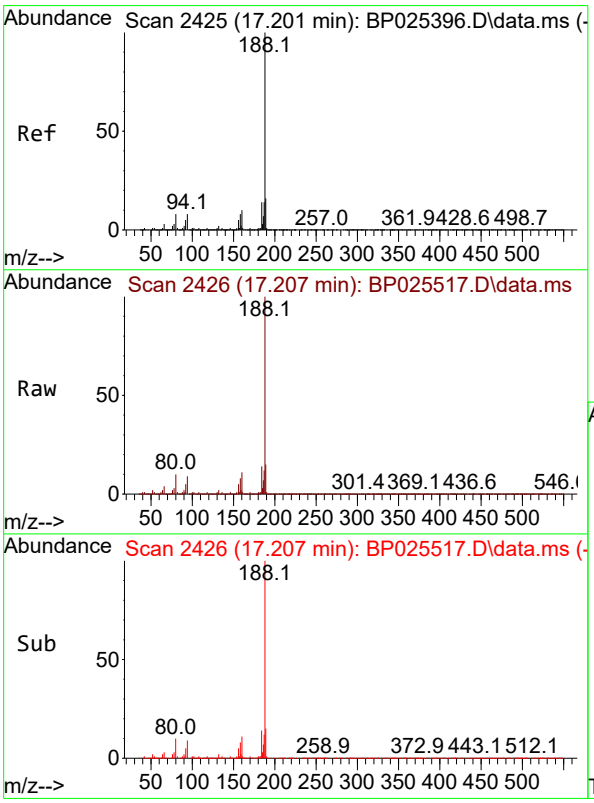
#63
Azobenzene
Concen: 54.544 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion: 77 Resp: 1553558

Ion	Ratio	Lower	Upper
77	100		
182	27.9	7.5	47.5
105	23.6	2.1	42.1
51	31.3	9.6	49.6

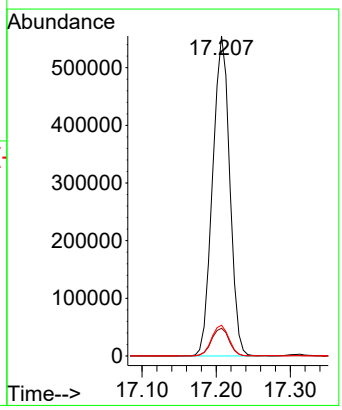


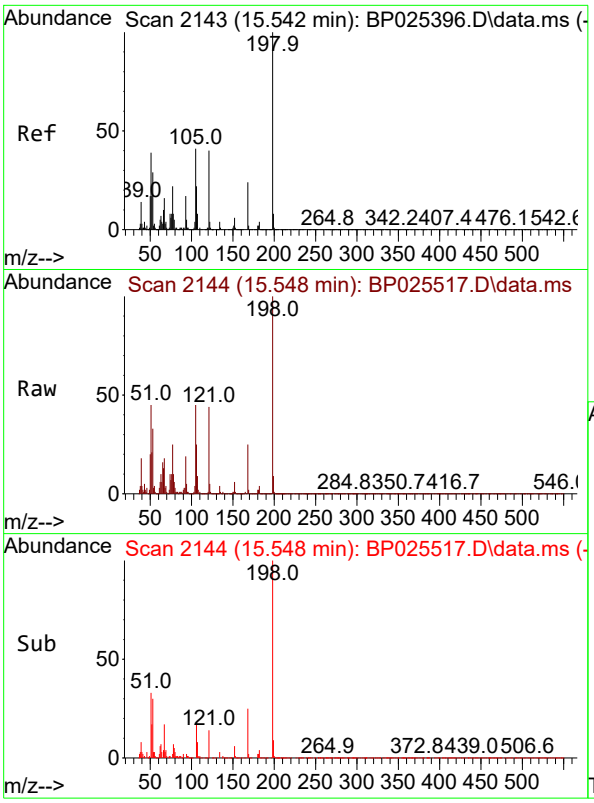


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:188 Resp: 890323

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.6	6.7	10.1



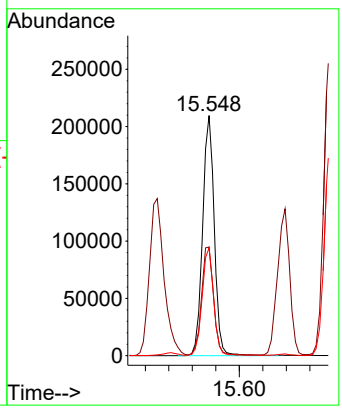


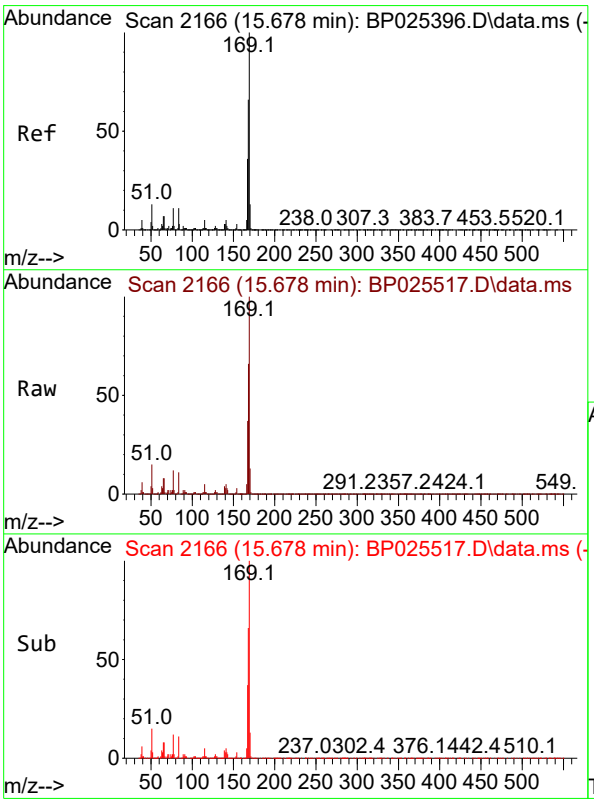
#65
4,6-Dinitro-2-methylphenol
Concen: 51.785 ng
RT: 15.548 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:198 Resp: 287397

Ion	Ratio	Lower	Upper
198	100		
51	45.3	19.6	59.6
105	44.9	20.9	60.9

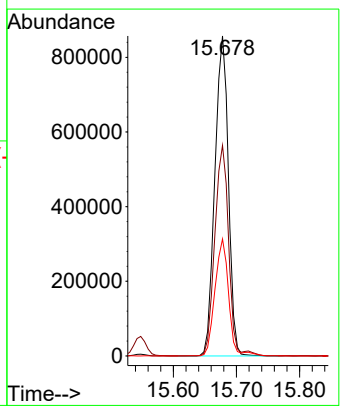


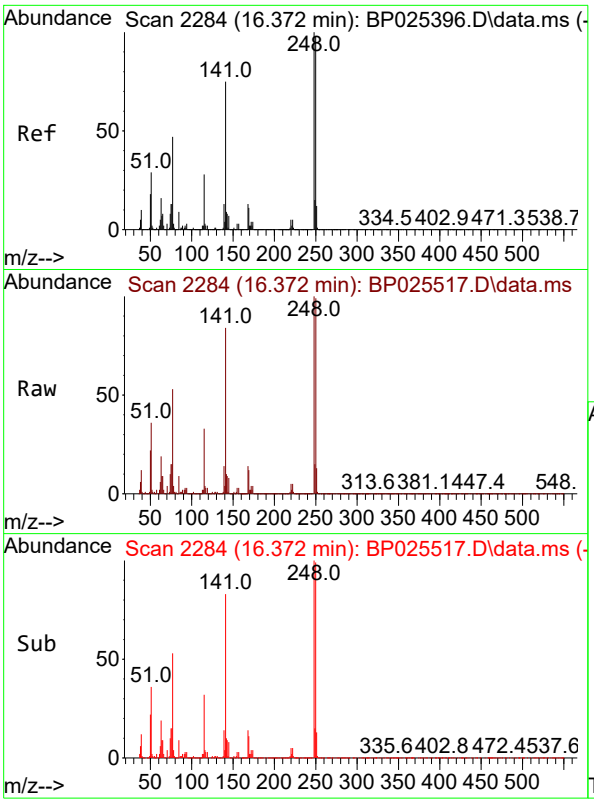


#66
n-Nitrosodiphenylamine
Concen: 46.939 ng
RT: 15.678 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:169 Resp: 1274387

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.2	79.8
167	36.6	28.7	43.1



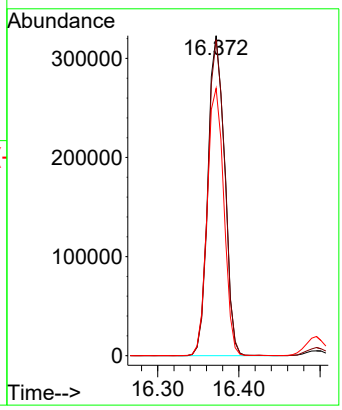


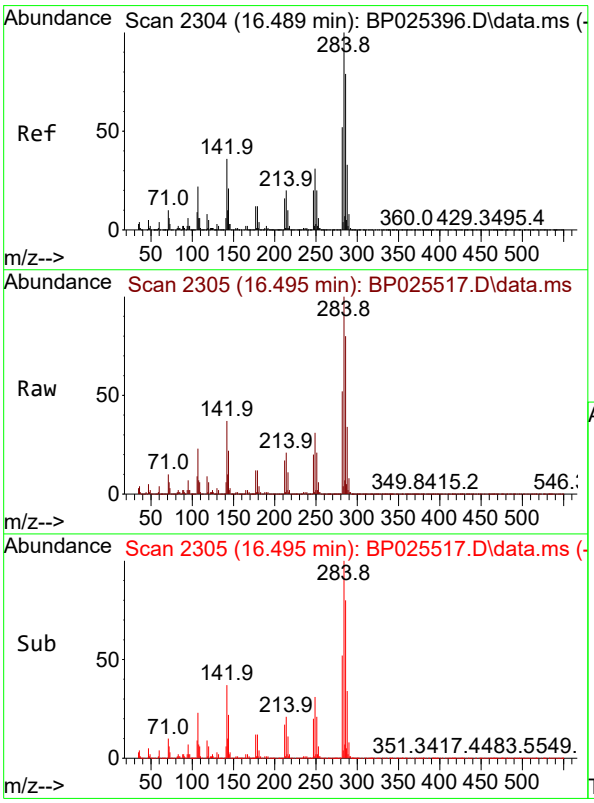
#67
4-Bromophenyl-phenylether
Concen: 47.077 ng
RT: 16.372 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:248 Resp: 460977

Ion	Ratio	Lower	Upper
248	100		
250	98.8	78.2	117.2
141	83.6	59.6	89.4

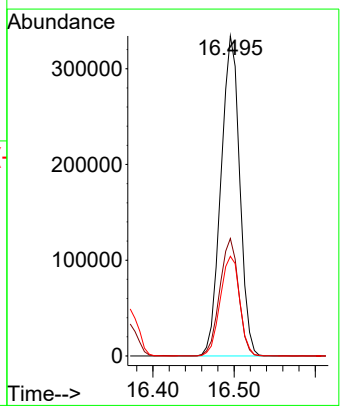


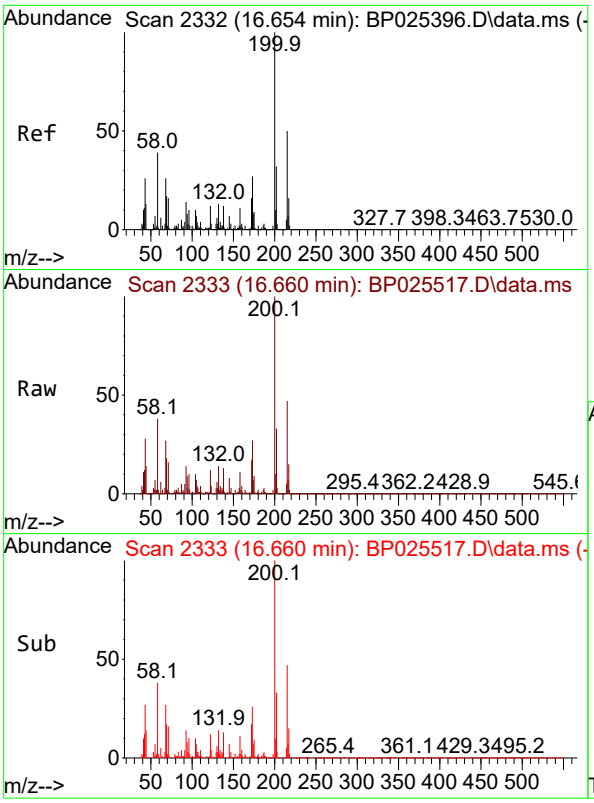


#68
Hexachlorobenzene
Concen: 47.319 ng
RT: 16.495 min Scan# 2305
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:284 Resp: 537114

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.1	43.7
249	31.2	25.0	37.4



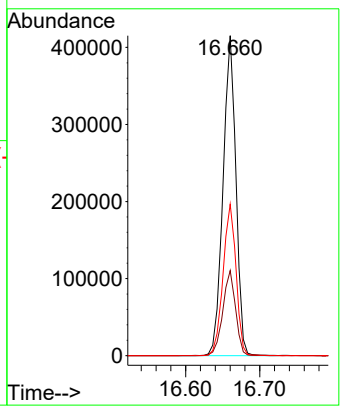


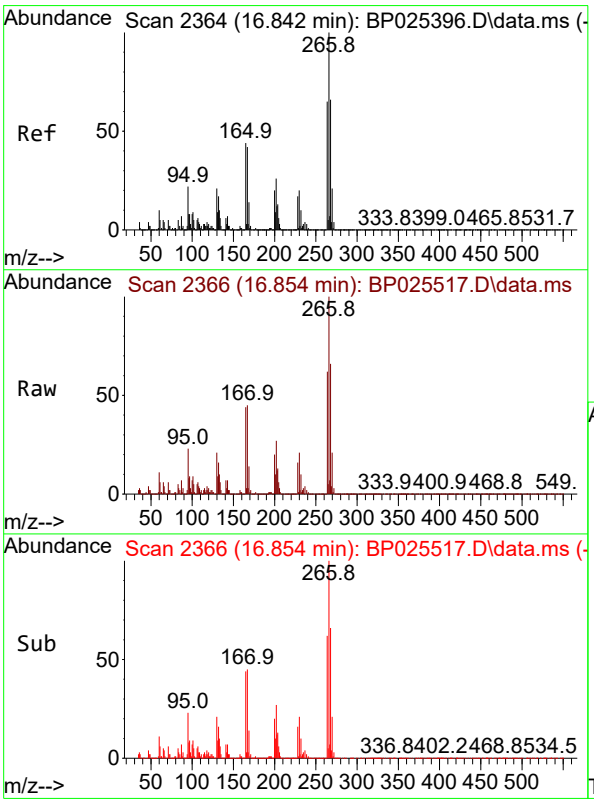
#69
Atrazine
Concen: 49.377 ng
RT: 16.660 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:200 Resp: 502043

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.7	46.7
215	47.4	29.7	69.7

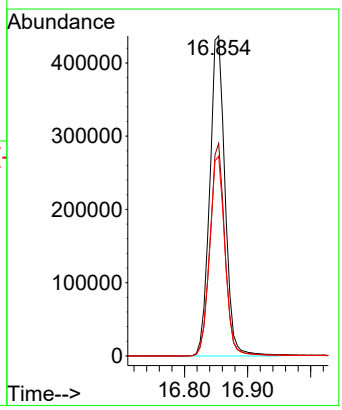


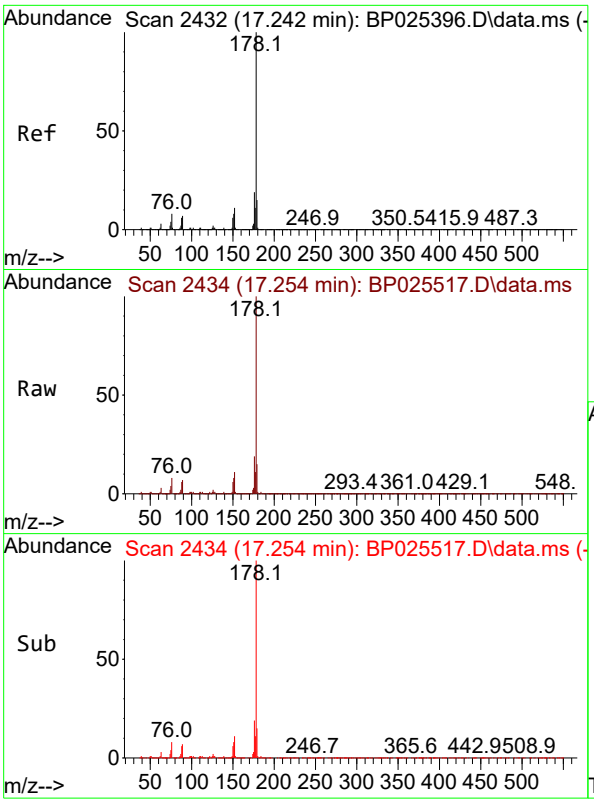


#70
Pentachlorophenol
Concen: 102.305 ng
RT: 16.854 min Scan# 2366
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:266 Resp: 733038

Ion	Ratio	Lower	Upper
266	100		
268	66.4	52.6	79.0
264	62.5	52.0	78.0



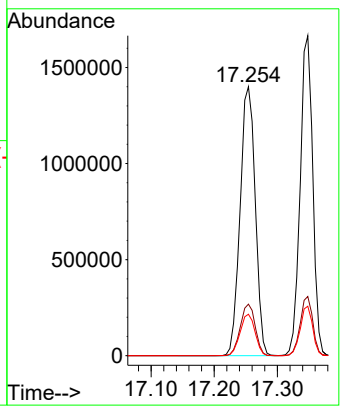


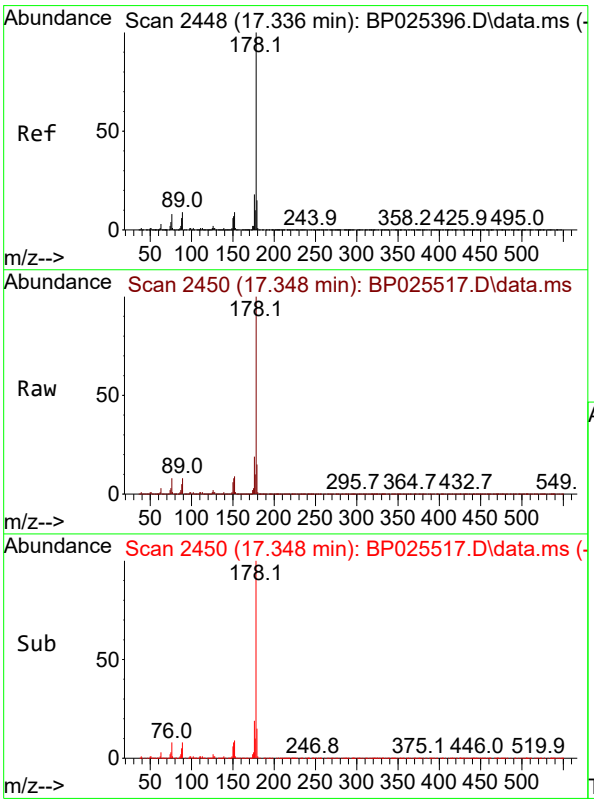
#71
Phenanthrene
Concen: 47.697 ng
RT: 17.254 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:178 Resp: 2332780

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.4	12.2	18.4

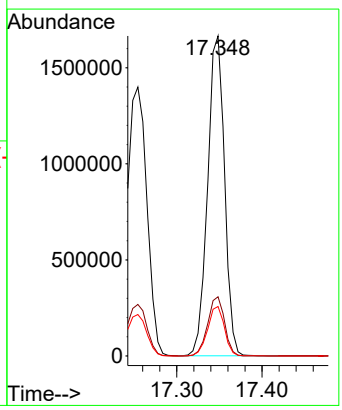


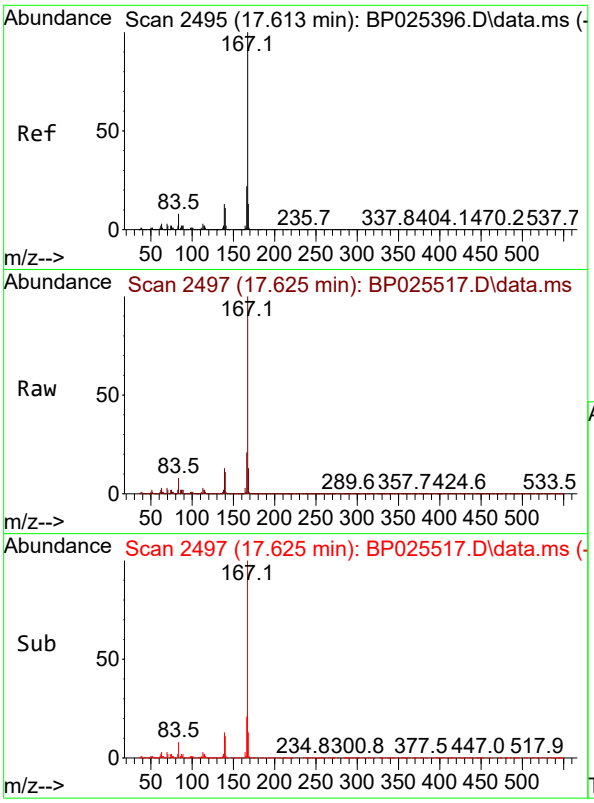


#72
Anthracene
Concen: 46.121 ng
RT: 17.348 min Scan# 2450
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:178 Resp: 2303551

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.2	18.2



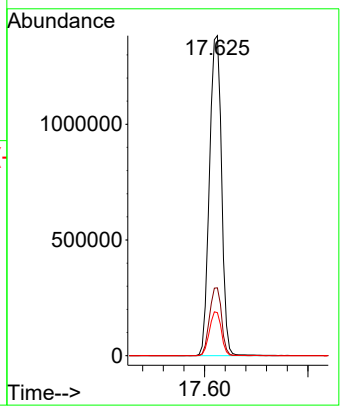


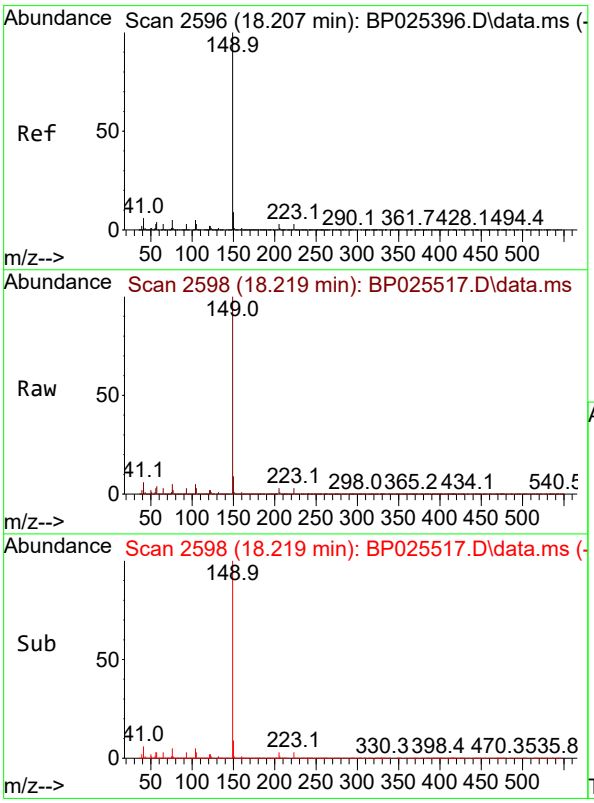
#73
Carbazole
Concen: 47.601 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:167 Resp: 2239338

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.5	26.3
139	13.5	10.6	16.0

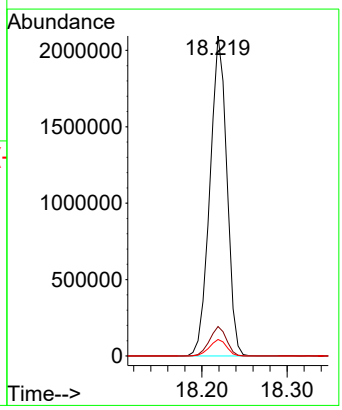


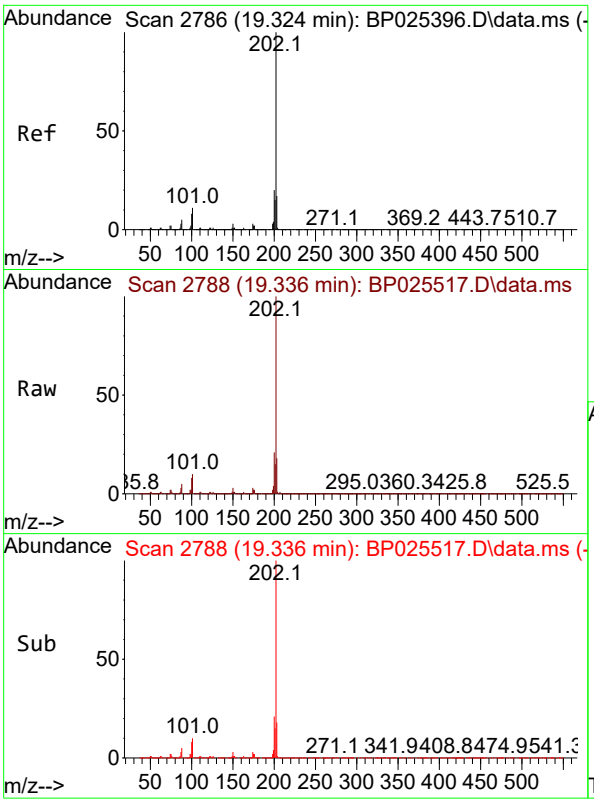


#74
Di-n-butylphthalate
Concen: 49.977 ng
RT: 18.219 min Scan# 2598
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 2892663

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



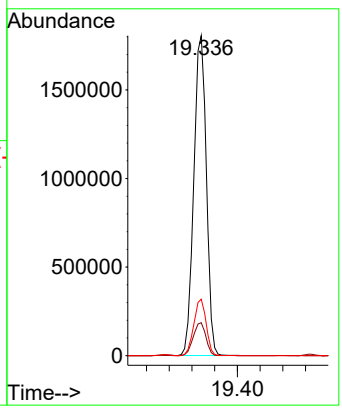


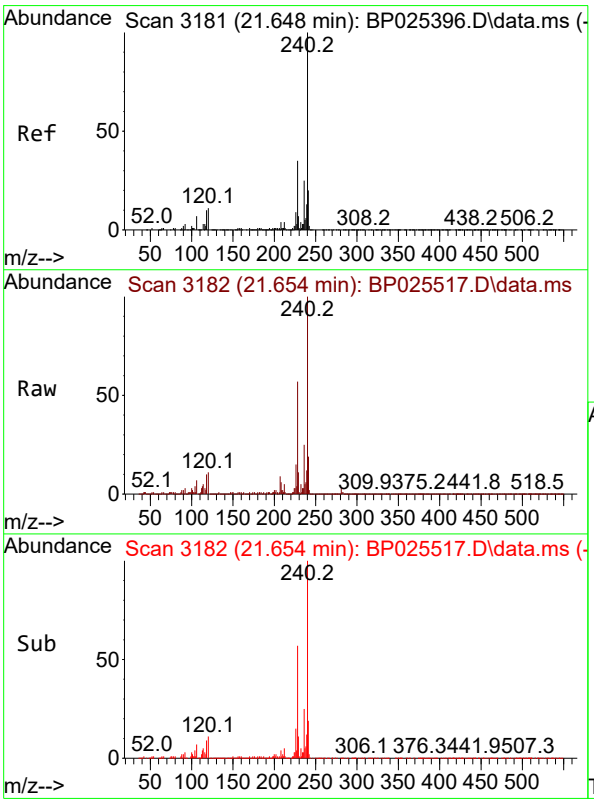
#75
Fluoranthene
Concen: 47.653 ng
RT: 19.336 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:202 Resp: 2780027

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.1
203	17.7	0.0	37.3

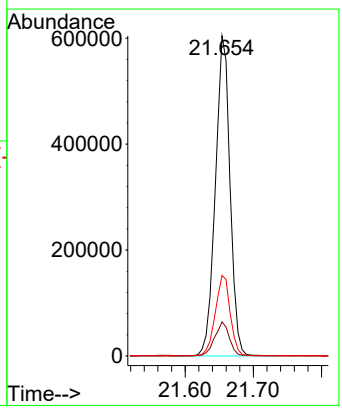


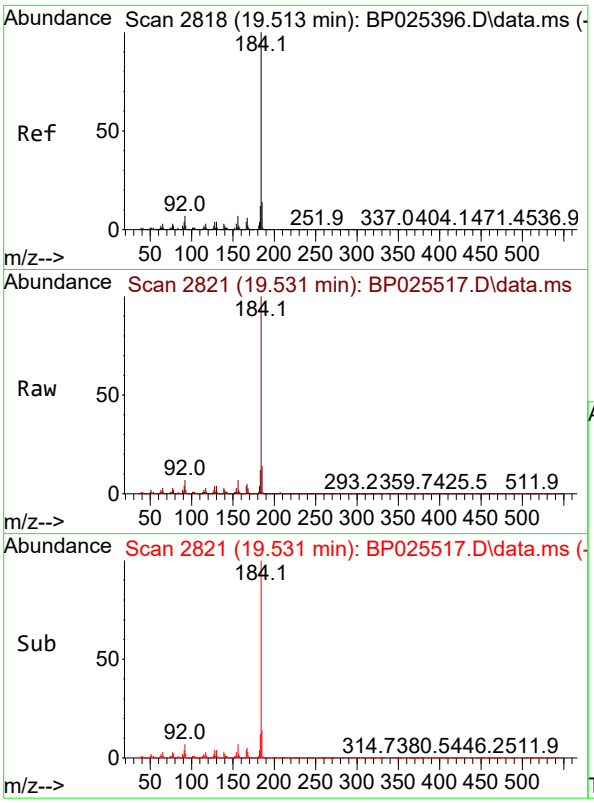


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:240 Resp: 903947

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.1	19.8	29.8



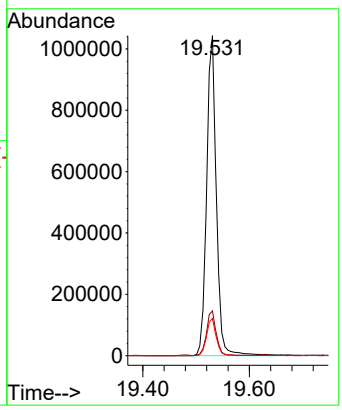


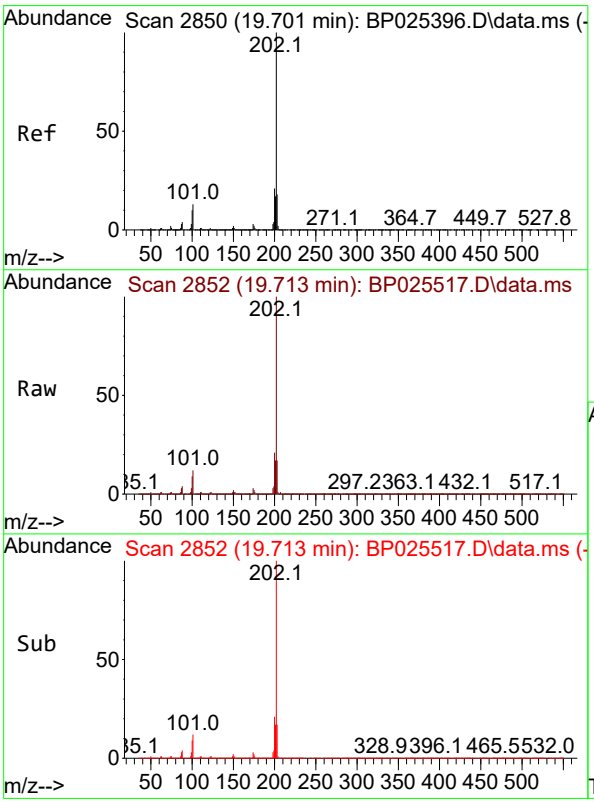
#77
Benzidine
Concen: 42.524 ng
RT: 19.531 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:184 Resp: 1311867

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	11.7	9.4	14.2

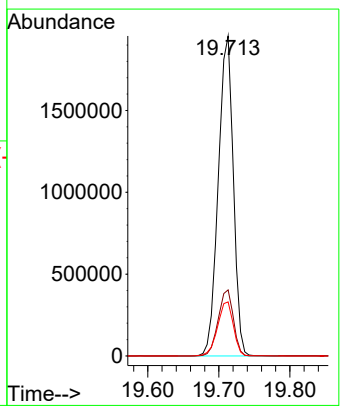


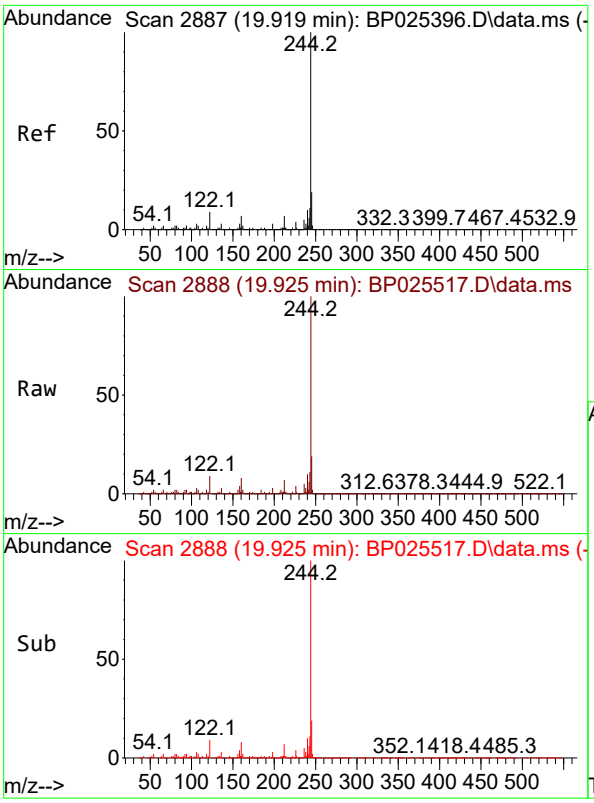


#78
Pyrene
Concen: 48.721 ng
RT: 19.713 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:202 Resp: 2862551

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	16.9	14.2	21.2



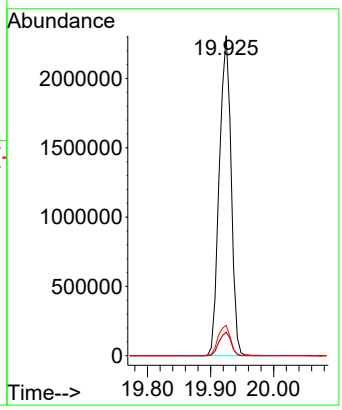


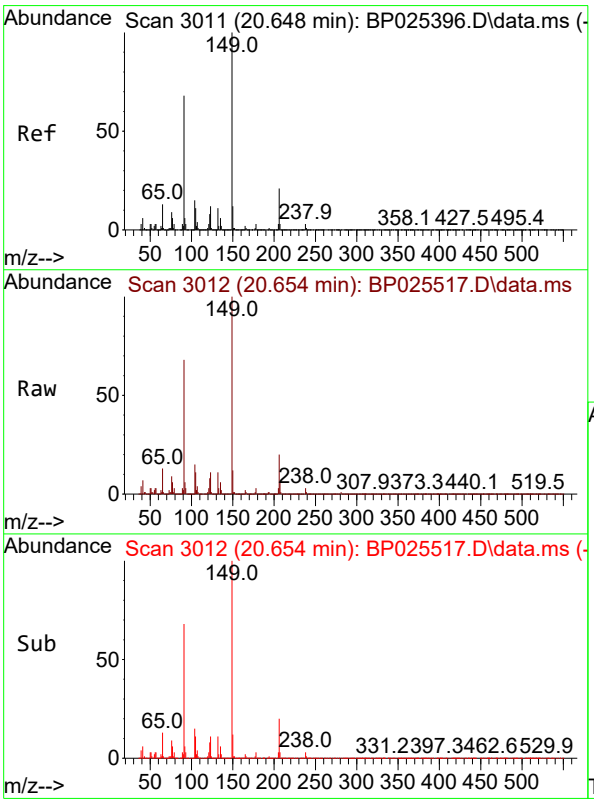
#79
Terphenyl-d14
Concen: 60.718 ng
RT: 19.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:244 Resp: 2999909

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.4	7.4	11.2

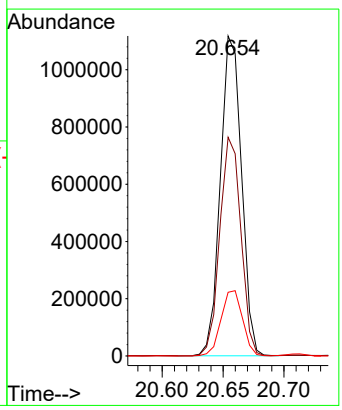


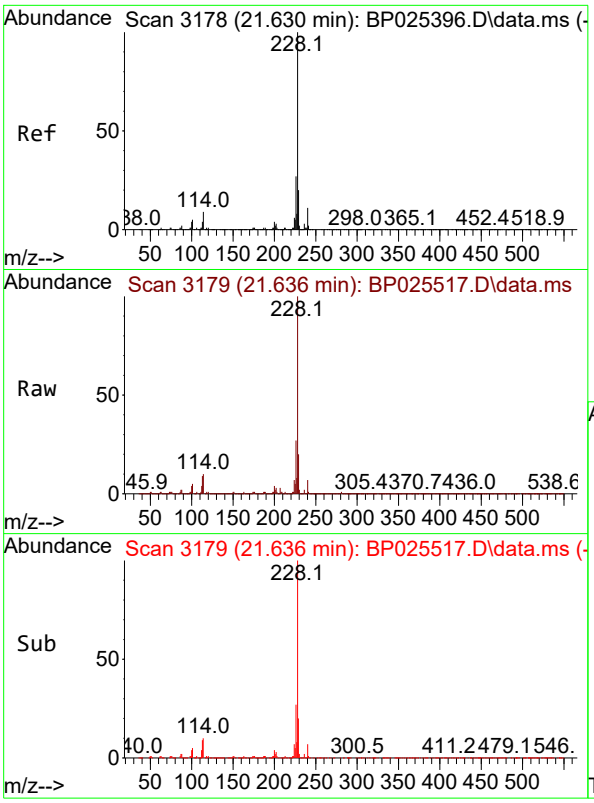


#80
Butylbenzylphthalate
Concen: 50.777 ng
RT: 20.654 min Scan# 3012
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1352098

Ion	Ratio	Lower	Upper
149	100		
91	68.4	54.2	81.2
206	19.9	16.6	24.8



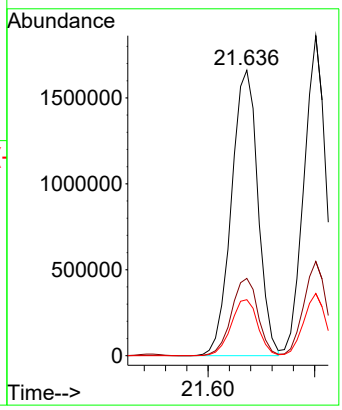


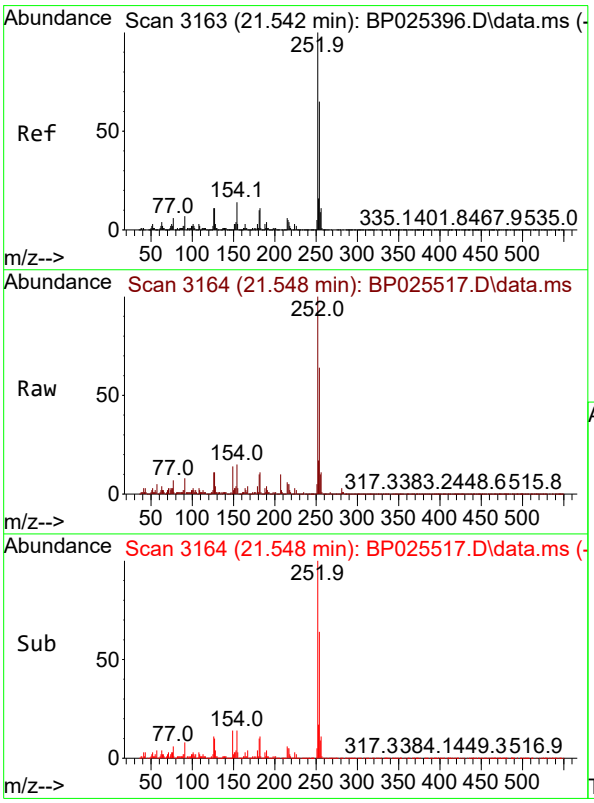
#81
Benzo(a)anthracene
Concen: 48.153 ng
RT: 21.636 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:228 Resp: 2870654

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.6	15.6	23.4

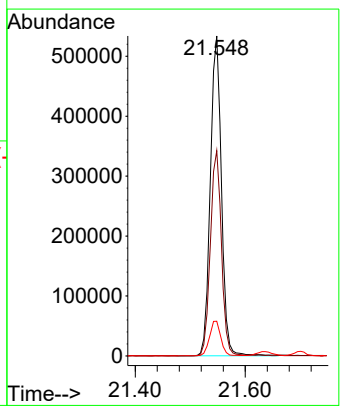


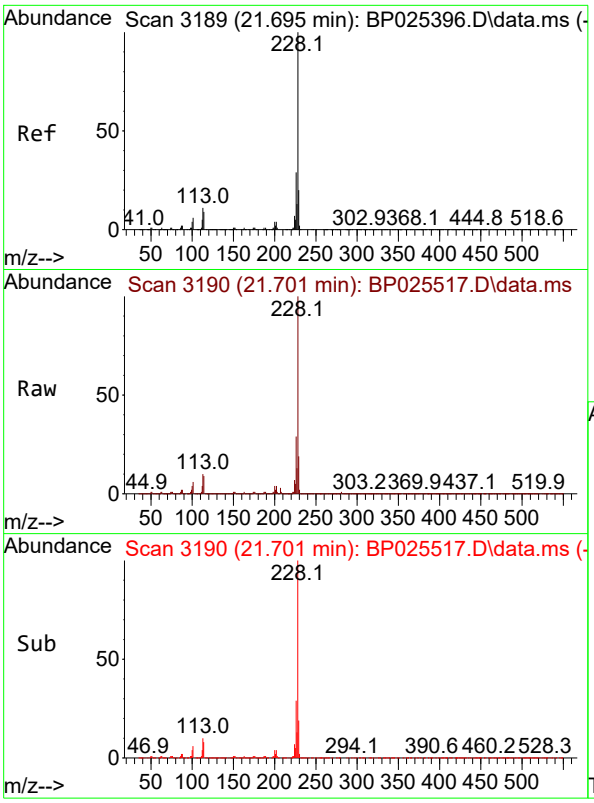


#82
3,3'-Dichlorobenzidine
Concen: 33.263 ng
RT: 21.548 min Scan# 3164
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 747438

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.8	77.6
126	10.8	9.1	13.7



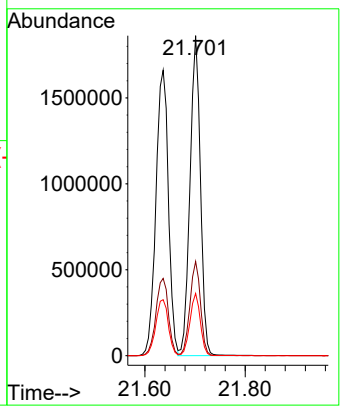


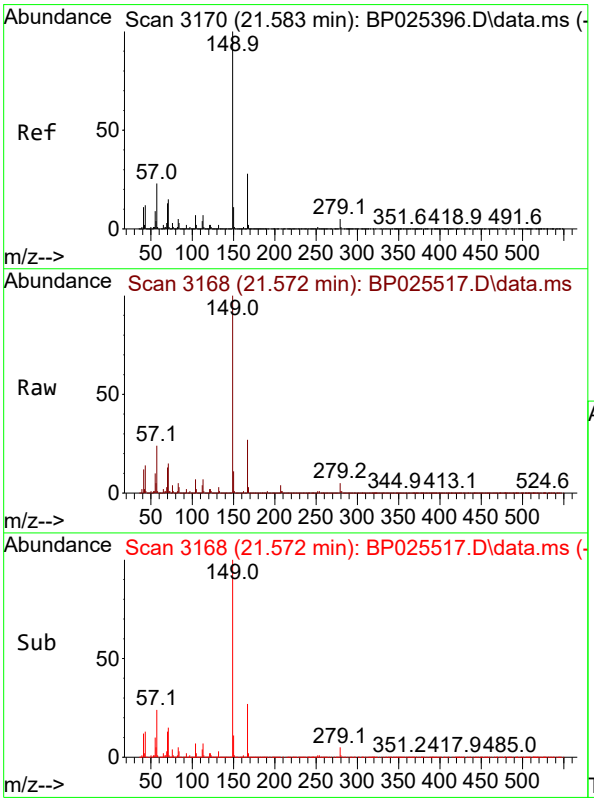
#83
Chrysene
Concen: 48.078 ng
RT: 21.701 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:228 Resp: 2684186

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.5	15.6	23.4

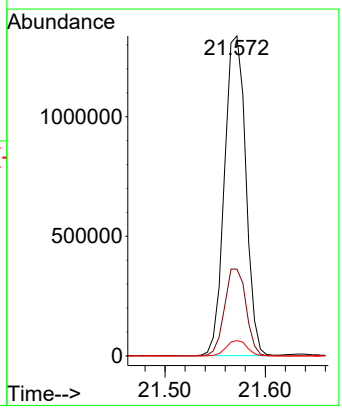


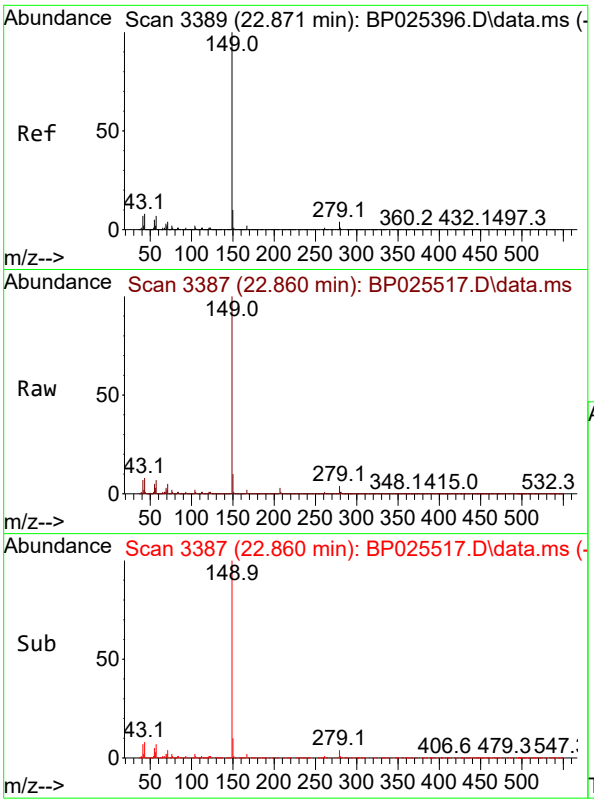


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.332 ng
RT: 21.572 min Scan# 3168
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:149 Resp: 1972886

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.1	33.1
279	4.8	3.8	5.6



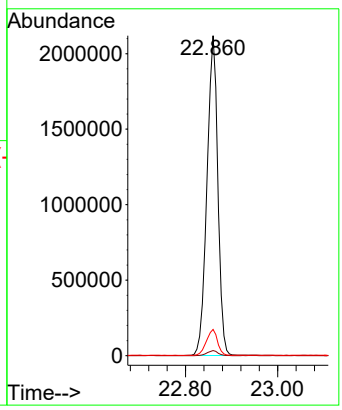


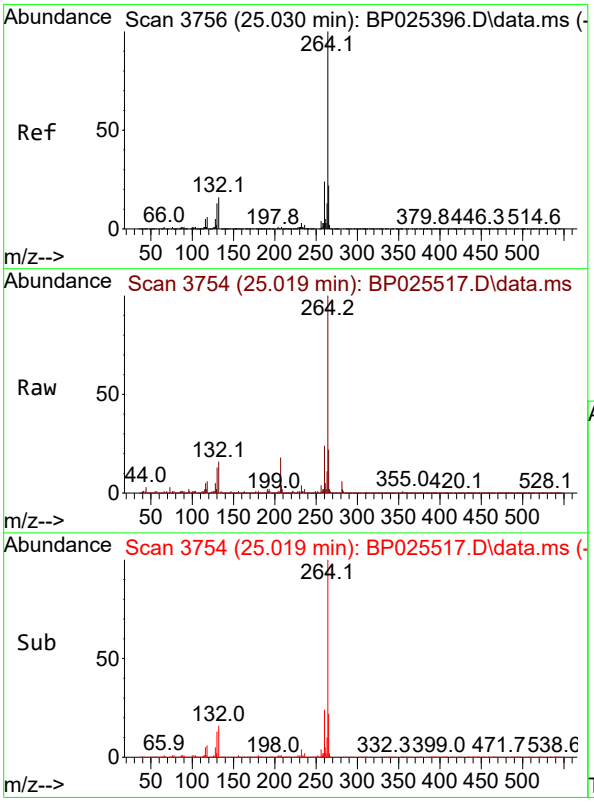
#85
Di-n-octyl phthalate
Concen: 51.668 ng
RT: 22.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:149 Resp: 3483541

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.3	9.5

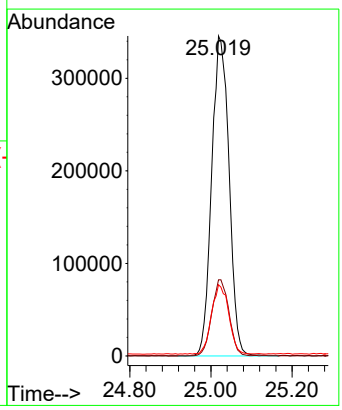


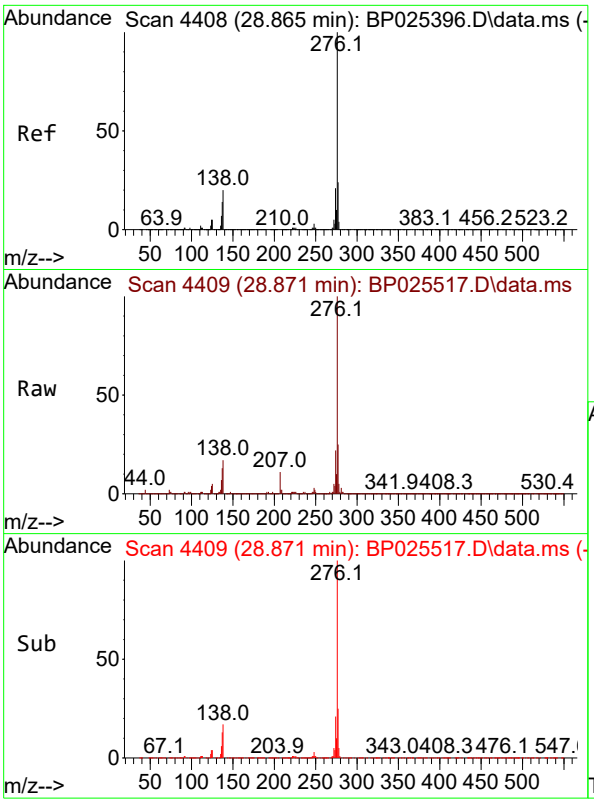


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.019 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:264 Resp: 1025346

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.3	17.4	26.0



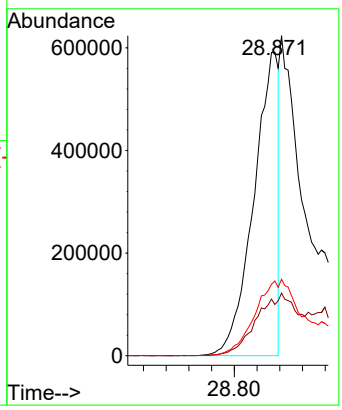


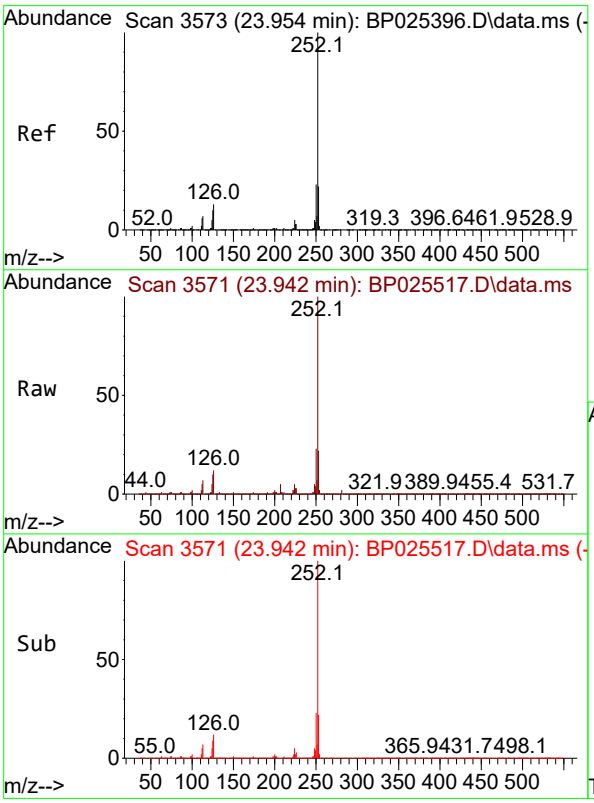
#87
Indeno(1,2,3-cd)pyrene
Concen: 23.772 ng
RT: 28.871 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:276 Resp: 1787509

Ion	Ratio	Lower	Upper
276	100		
138	34.2	12.9	19.3#
277	24.3	17.0	25.6

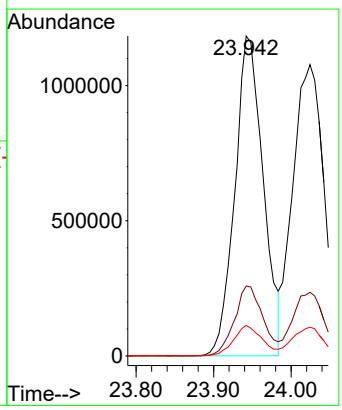


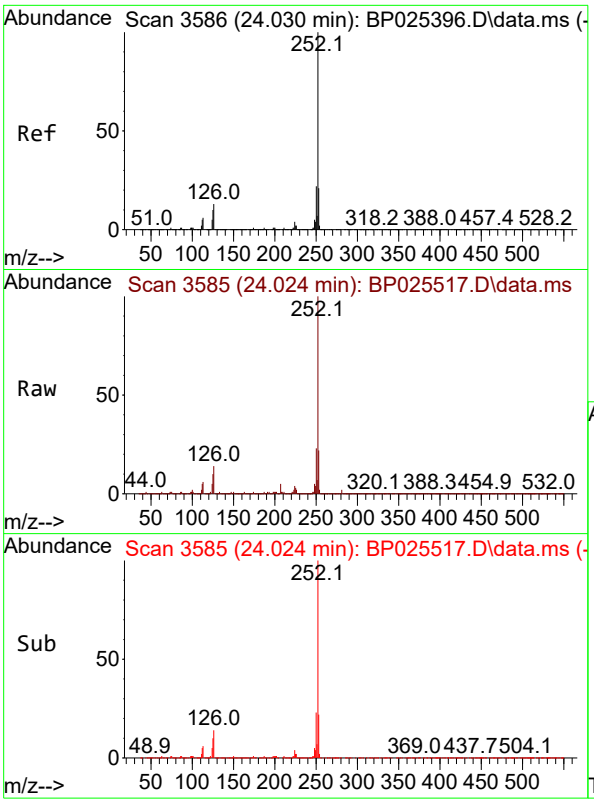


#88
Benzo(b)fluoranthene
Concen: 49.886 ng
RT: 23.942 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 3016187

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.6	7.9	11.9



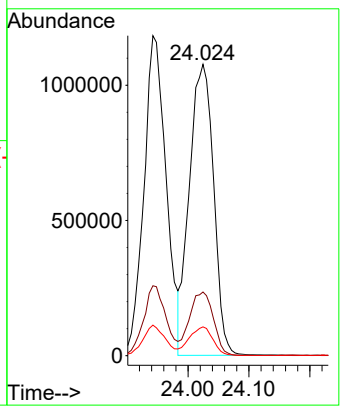


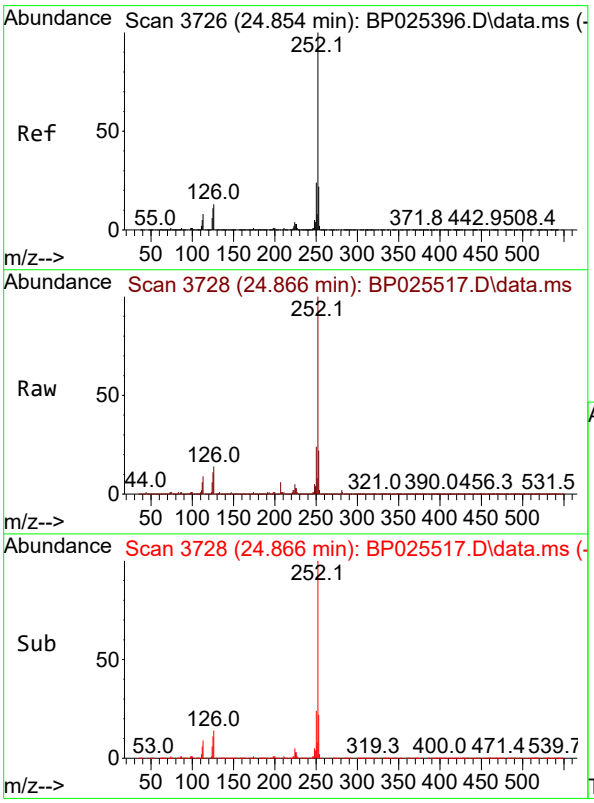
#89
Benzo(k)fluoranthene
Concen: 49.184 ng
RT: 24.024 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

Tgt Ion:252 Resp: 2975796

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.9	7.8	11.6

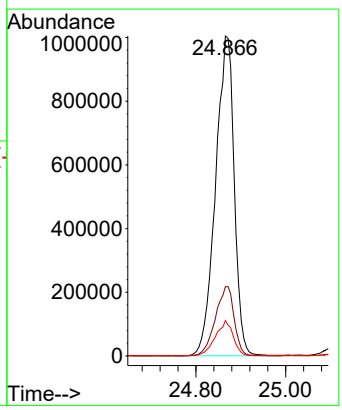


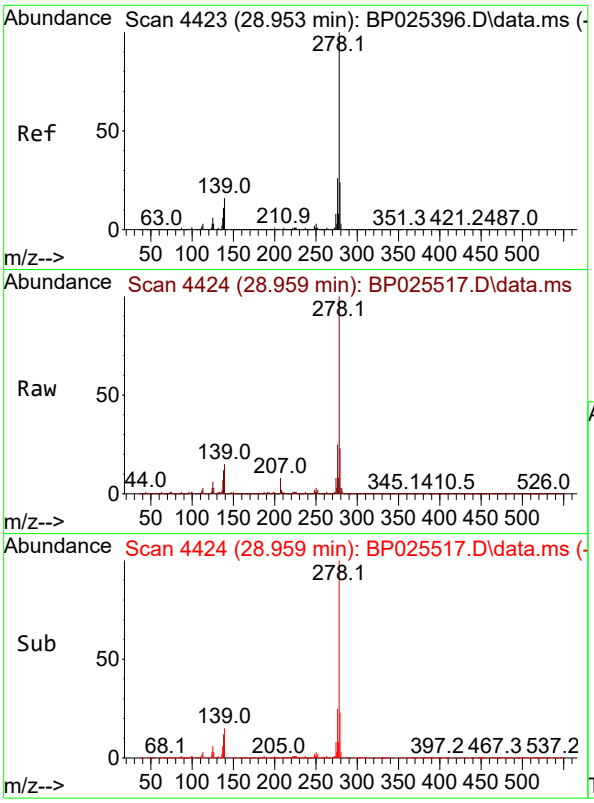


#90
Benzo(a)pyrene
Concen: 49.381 ng
RT: 24.866 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:252 Resp: 2906291

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.0	8.7	13.1



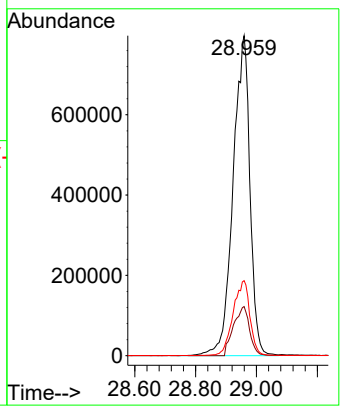


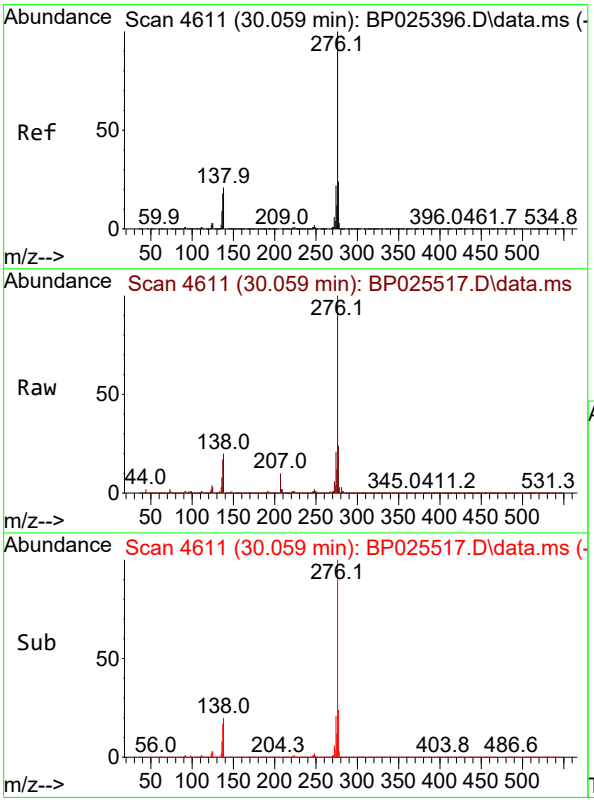
#91
Dibenzo(a,h)anthracene
Concen: 49.809 ng
RT: 28.959 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Instrument :
BNA_P
ClientSampleId :
22BP-WMSD

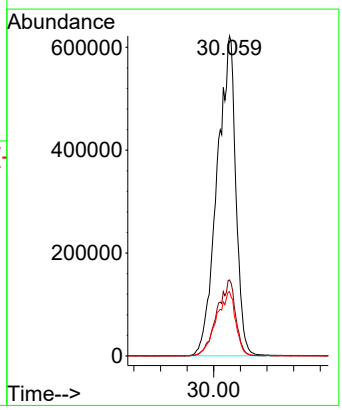
Tgt Ion:278 Resp: 3060770

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	23.4	19.4	29.2





#92
Benzo(g,h,i)perylene
Concen: 50.261 ng
RT: 30.059 min Scan# 4611
Delta R.T. 0.000 min
Lab File: BP025517.D
Acq: 20 Aug 2025 21:52

Tgt Ion:276 Resp: 3035965

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	20.1	16.7	25.1